VERINA Engineering, P.C.

2024 PERIODIC REVIEW REPORT

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



Verina Engineering, P.C.
1011 U.S. Highway 22, Suite 302
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January 2025

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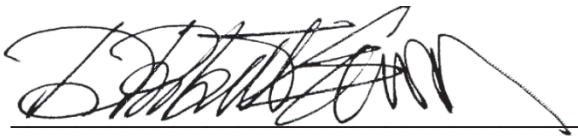
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CERTIFICATION

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





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

INTRODUCTION

On behalf of Dover Corporation (Dover), Verina Engineering, PC (VERINA) has prepared this Periodic Review Report (PRR) to summarize the site activities implemented in 2024 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 remedial activities implemented in 2024 include:

- Monthly injections of permanganate into groundwater;
- Semi-annual groundwater monitoring and sampling; and
- Monthly monitoring of the Active Sub-Slab Depressurization (ASD) System.

The project was implemented in accordance with the executed Order on Consent between Dover and the New York State of Environmental Conservation (NYSDEC), dated January 19, 2001, and the NYSDEC-approved Site Management Plan (SMP), dated April 14, 2017. The 2024 activities also responded to the comments and requests from NYSDEC in its August 19, 2024 response letter to the 2023 PRR.

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 [ft^2]) 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.

2024 GROUNDWATER REMEDIATION AND MONITORING PROGRAM

GROUNDWATER REMEDIATION

VERINA continued the ISCO remediation program at the site in 2024 via manual injections. Manual injections occurred monthly at wells MW-8, MW-9, MW-10, MW-11, MW-16 and MW-17 utilizing a 10% sodium permanganate solution, as needed. Those wells which had exhibited a purple or pink color to their water were considered to have residual ISCO solution existing in that well and were not injected into, whereas those wells which had exhibited a clear water color were considered to be free of residual ISCO solution and were injected into. An approximate target volume of 5 gallons was injected into each well with a clear water color during the monthly injection events in 2024. A total of 88 gallons of ISCO injection solution were injected at the site in 2024. The monthly manual injection log is provided in Appendix A.

In response to the recommendations made by VERINA in the 2023 PRR, Parratt-Wolff Inc., (PWI) of Lewisburg, PA, was on Site in March 2024. They conducted well repairs and redevelopment work under the direct supervision of VERINA personnel. MW-11 was successfully redeveloped. Additionally, the vault and manhole cover for MW-9 was replaced.

In August 2024, VERINA received the response letter from the NYSDEC regarding the 2023 PRR submitted in January 2024. The NYSDEC requested wells MW-8, MW-13, W-14, and MW-16 also be sampled for COCs and 1,4-Dioxane. In addition, the NYSDEC also requested the inclusion of Trichloroethane (TCA), 1,1-Dichloroethane, and 1,1-Dichloroethene in the historical groundwater analytical results table. These results can be found in Table 6.

GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring events were conducted semi-annually in 2024 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 19, 2024, and the second groundwater sampling event was conducted on September 16, 2024.

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-14, MW-16, MW-17, and TMP-A) on site and recorded on VERINA's groundwater gauging logs in order to establish groundwater elevations and groundwater flow direction at the site.

Water level measurements were taken with a water level meter equipped with a stainless-steel probe and measuring tape graduated in units of 0.01 foot. Groundwater elevation measurements from March 2024 and September 2024 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 2024 event and on Figure 4 for the September 2024 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 2024. In addition to those wells, monitoring wells DMW-3, DMW-4, MW-6, MW-7, MW-11, MW-13, MW-14, and TMP-A were also sampled during the

September 2024 sampling event. Groundwater sampling was conducted using low-flow methodology and groundwater quality parameters, including pH, dissolved oxygen (DO), conductivity, temperature, turbidity, oxidation-reduction potential (ORP), and salinity, were measured via a multi-parameter water quality instrument coupled with a flow-through cell. In addition to measuring field parameters, the purged groundwater from each well was visually inspected for the presence of a purple or pink color, which would indicate the presence of un-reacted permanganate within the groundwater. A change in color of the water in the wells from dark purple to light pink (i.e., > visual concentration of 0.5 milligrams per liter [mg/L]) or clear (i.e., < visual concentration of 0.5 mg/L) indicates that the permanganate would have been consumed, diluted, or transported with groundwater.

Groundwater samples from monitoring wells that exhibited residual permanganate, as indicated by a pink or purple color of the purge water, were collected in laboratory-provided unpreserved vials pre-charged in the field with sodium thiosulfate. The sodium thiosulfate was added to neutralize the residual permanganate in the groundwater sample as it may influence the performance of the laboratory's analytical instruments. During the March 2024 sampling event, monitoring wells MW-8, MW-9, MW-10, MW-16, and MW-17 exhibited residual permanganate and during the September 2024 sampling event, monitoring wells MW-8, MW-9, MW-11, MW-16, and MW-17 exhibited residual permanganate. 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). In response to the 2023 PRR submitted by VERINA, NYSDEC requested select wells be analyzed for 1,4-dioxane. In the September 2024 sampling event, wells MW-8, MW-13, MW-14, and MW-16 were analyzed for 1,4-dioxane in addition to the site SSPL VOCs.

GROUNDWATER ELEVATION AND FLOW DIRECTIONS

The groundwater elevation data from March and September 2024 are summarized in Tables 1 and 2, respectively. The groundwater elevation contour map for the March and September 2024 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 2024 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 2017, and the plume as of September 2023 and September 2024 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 7. In response to the 2023 PRR submitted by VERINA, NYSDEC requested similar figures be constructed for 1,1,1-TCA. An isoconcentration map comparing the total molar concentration of 1,1,1-TCA 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 2017, and the plume as of September 2023 and September 2024 is presented on Figure 6. A graphical depiction of the decreasing trend of 1,1,1-TCA concentrations, the site contaminant of concern with the highest observed historic concentrations, is presented on Figure 8.

The groundwater sampling field logs for both the March and September 2024 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 2024 semi-annual groundwater monitoring events, VERINA makes the following conclusions:

- In comparing the September 2024 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 99% mass reduction of COCs in groundwater was estimated since the ISCO injection was implemented in 2009.

- In comparing the September 2023 and September 2024 contaminant concentrations and plume maps, decreases in COC concentrations were noted in most wells.

- Several COCs were detected above their respective NYSDEC groundwater quality standards in wells MW-8 and MW-16 during the March 2024 sampling event. These COCs consist of 1,1-DCA, cis-1,2-DCE, and/or TCE.

- Several COCs were detected above their respective NYSDEC groundwater quality standards in wells MW-10, MW-16 and MW-17 during the September 2024 sampling

event. These COCs consist of 1,1-DCA, 1,4-dioxane, 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 2024.
- The continuation of sodium permanganate injections in 2024 reduced the residual COC concentrations at the site when comparing September 2023 and September 2024 sampling results.
- The COCs continue to be remediated at the site and decreasing trends are observed in all monitoring locations.

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

ASD SYSTEM INSPECTIONS

In accordance with the approved 2012 Remedial Design Work Plan – Active Sub-Slab Depressurization System (VERINA 2012), an ASD system was installed at the site. This system, shown on Figure 9, 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 operating continuously. VERINA collected a round of indoor air samples in March 2018 which indicated that no site-specific COC concentrations in the indoor air samples exceeded the NYSDOH's Indoor Air Guidance Values.

During 2024, monthly inspections of the ASD system were implemented. No structural changes were noted in 2024 and the ASD system operated normally month to month. The pressure gauge measurements at each of the four vapor extraction points which were collected monthly. The monthly ASD inspection logs are included as Appendix D.

CONCLUSIONS AND RECOMMENDATIONS

Based on the findings and conclusions of the groundwater monitoring program, field observations and ASD system OM&M results, VERINA has drawn the following conclusions:

- Based on the analytical results of the historic and current groundwater sampling events, COCs have not been detected in monitoring wells DMW-3, DMW-4, MW-6, MW-7, MW-9, MW-11, MW-13, MW-14, and TMP-A during several of the recent sampling events.
- A comparison of the 2024 groundwater sampling results to the historical baseline sampling results indicates that the total VOC mass in the groundwater at the site has decreased by 99% since the remedial action was implemented in June 2009.
- The 2024 groundwater monitoring results indicated several COCs exceed their respective NYSDEC groundwater quality standards, including 1,1-DCA, 1,4-dioxane, cis-1,2-DCE, 1,1,1-TCA and TCE in wells MW-8, MW-10, MW-16, and/or MW-17 during the September 2024 sampling event.
- The groundwater plume has been contained at the site and concentrations of COCs within the site groundwater plume continue to be remediated.

Based on these conclusions, we recommend the following:

- Based on the historical analytical results for COCs, including 1,4-Dioxane, at the site, VERINA proposes to reduce the sampling frequency from semi-annually to annually in September 2025 and samples to be collected from all on-site monitoring wells.
- Based on observations made during the 2024 monthly injection events and groundwater monitoring event, no wells were noted to need repair or redevelopment.
- VERINA will continue monthly inspections of the ASD system in 2025.
- VERINA will continue to assess groundwater data in 2025 to determine if chemical injections are needed, or can be reduced in the future.

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

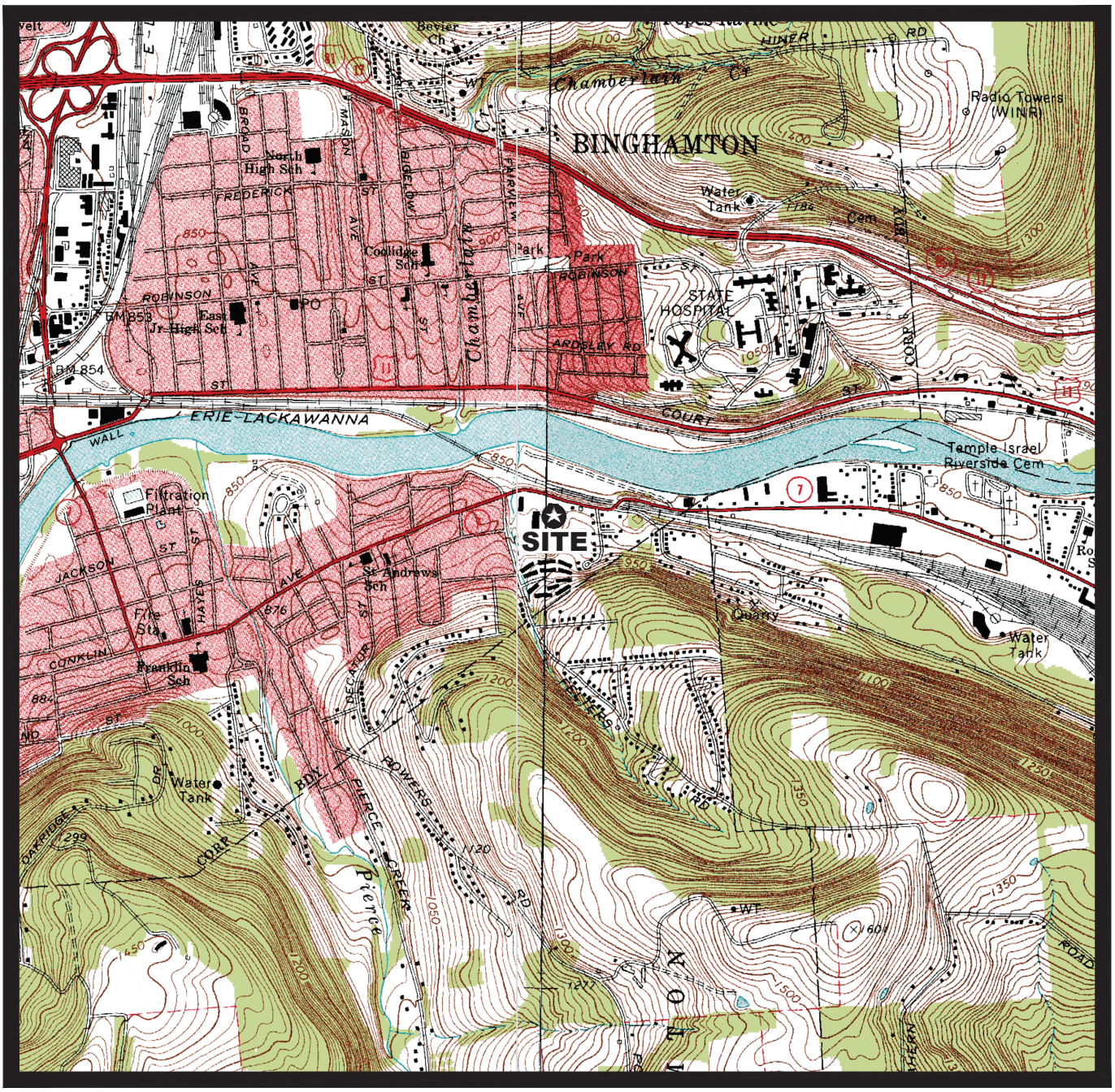
REFERENCES

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

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

VERINA Engineering, PC (VERINA). January 2024. *2023 Periodic Review Report.*

Figures



WEST BINGHAMTON AND
EAST BINGHAMTON QUADRANGLES
7.5–MINUTE SERIES

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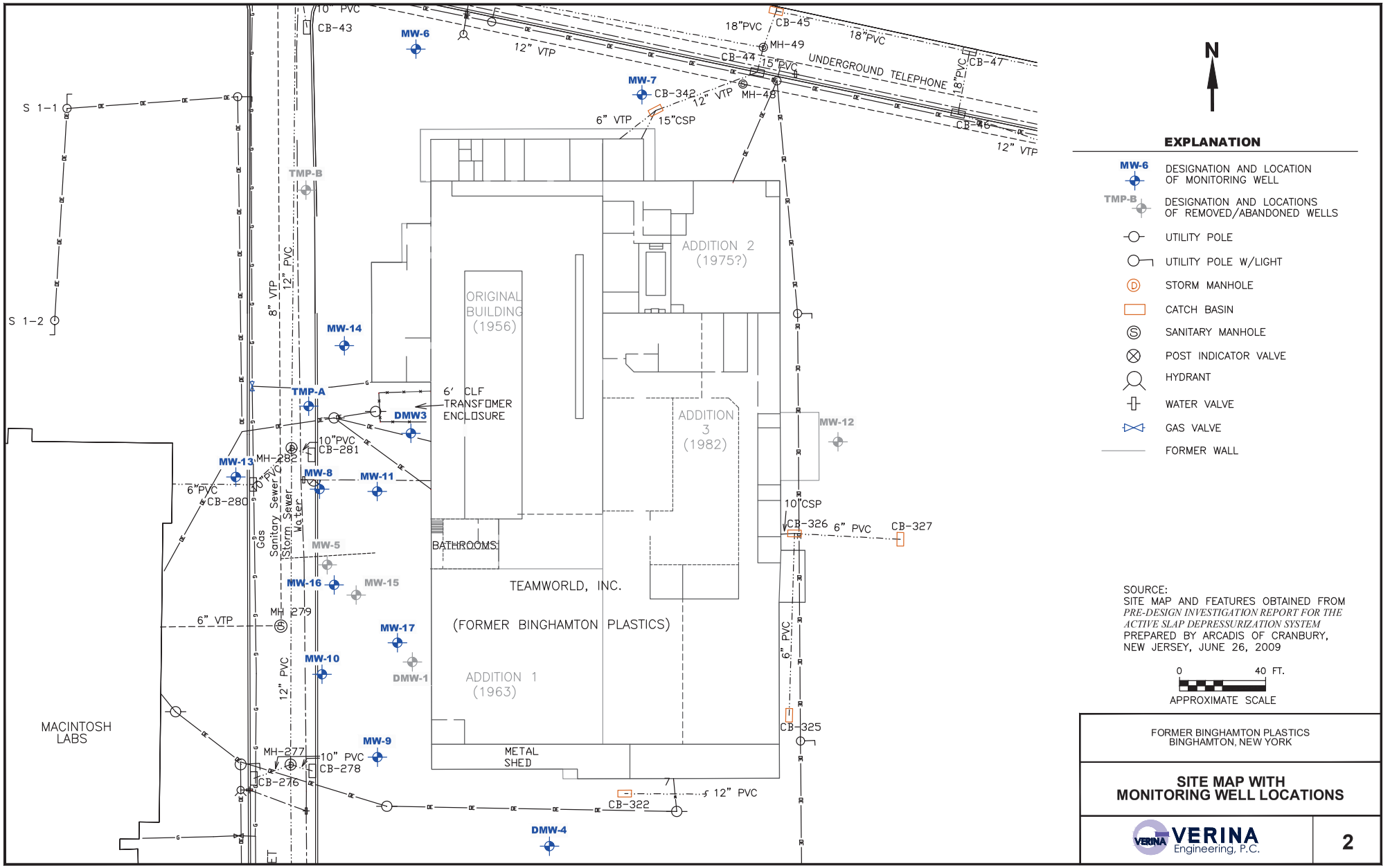
APPROXIMATE SCALE

FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

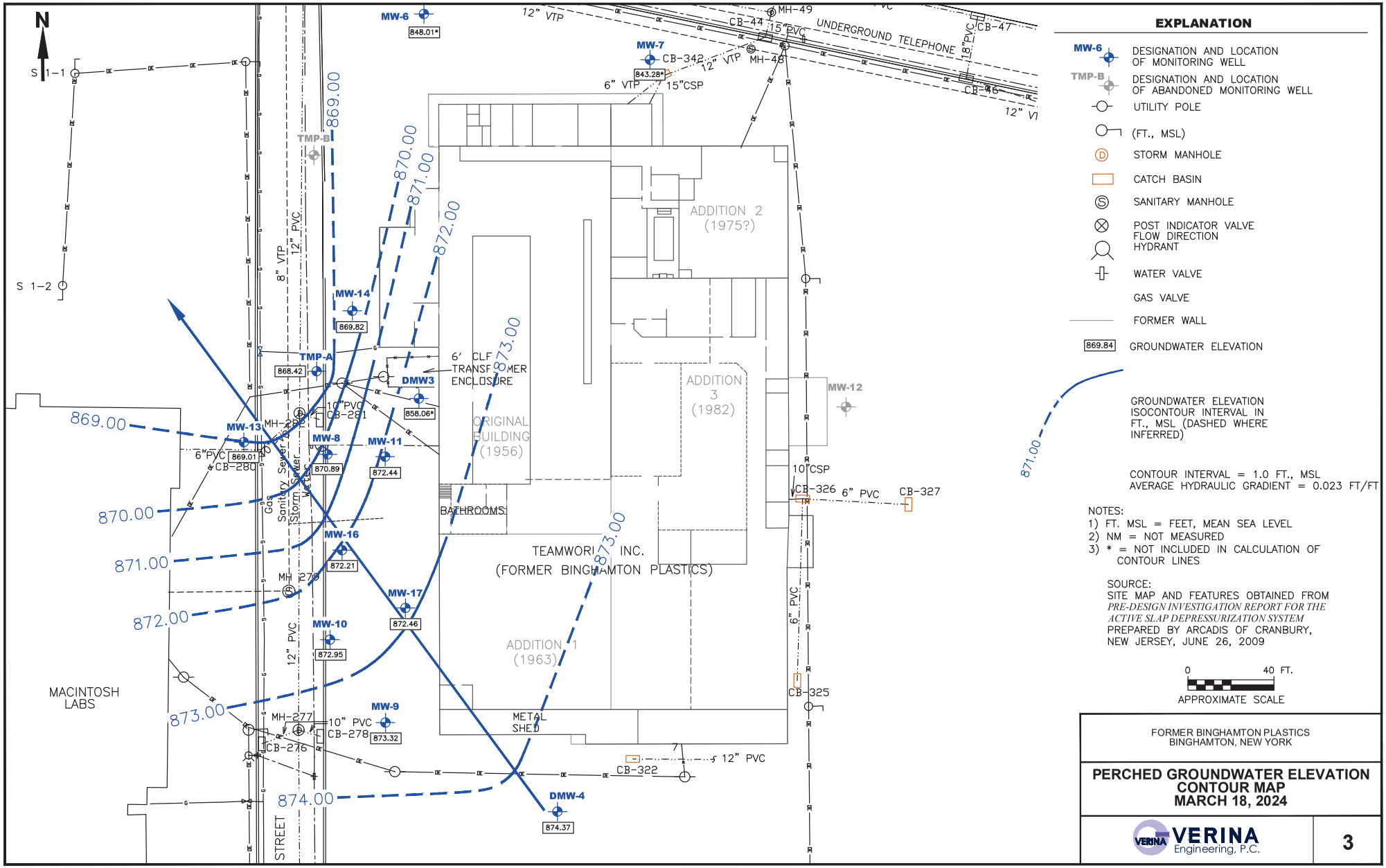
REGIONAL LOCATION MAP

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EXPLANATION

- MW-6 — DESIGNATION AND LOCATION OF MONITORING WELL
- TMP-B — DESIGNATION AND LOCATION OF ABANDONED MONITORING WELL
- UTILITY POLE
- (FT., MSL)
- STORM MANHOLE
- CATCH BASIN
- SANITARY MANHOLE
- POST INDICATOR VALVE
- FLOW DIRECTION
- HYDRANT
- WATER VALVE
- GAS VALVE
- FORMER WALL
- 869.84 — GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION ISOCONTOUR INTERVAL IN FT., MSL (DASHED WHERE INFERRED)

CONTOUR INTERVAL = 1.0 FT., MSL
AVERAGE HYDRAULIC GRADIENT = 0.023 FT/FT

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

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

0 40 FT.
APPROXIMATE SCALE

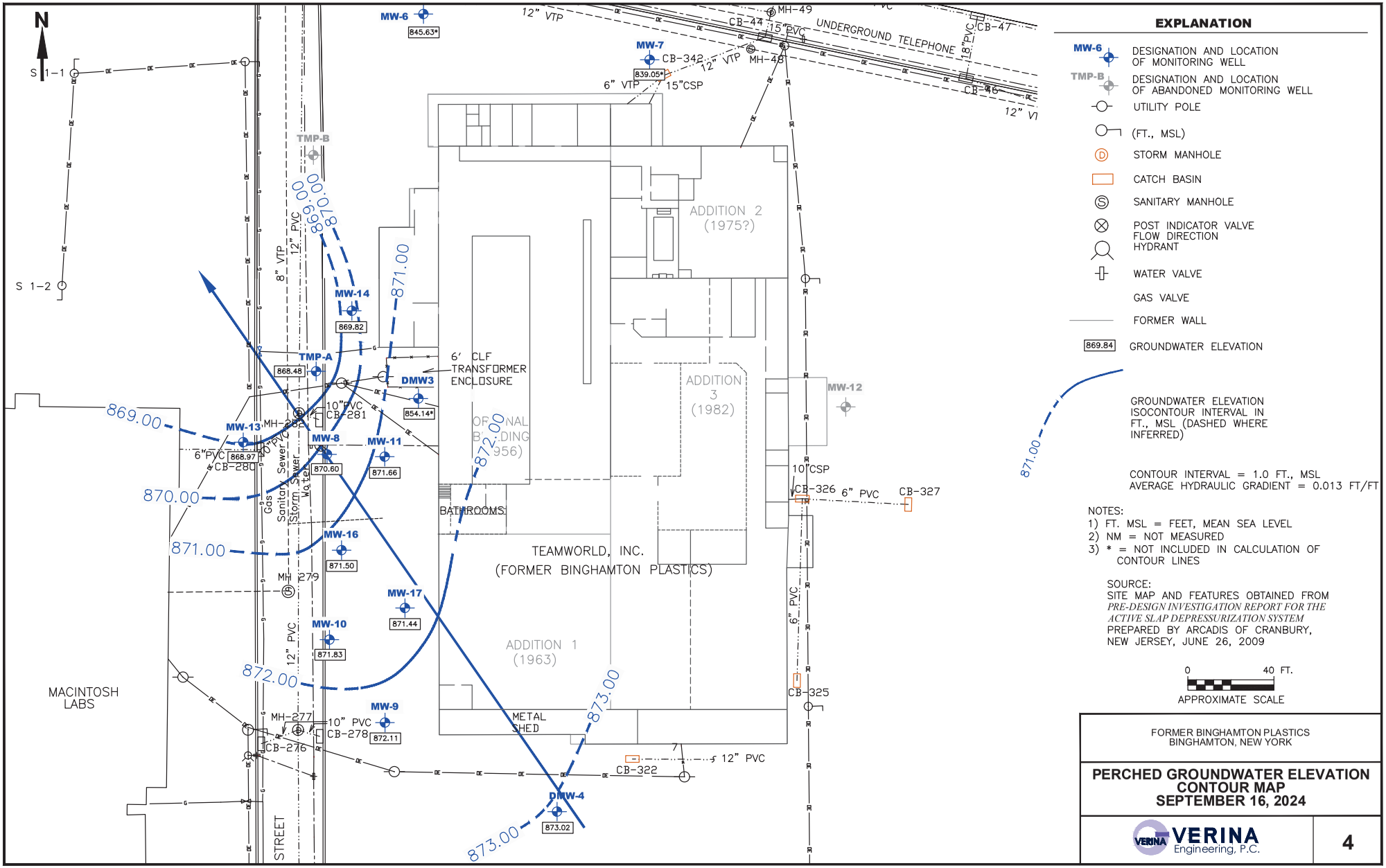
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PERCHED GROUNDWATER ELEVATION CONTOUR MAP MARCH 18, 2024

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BINGHAMTON, NEW YORK

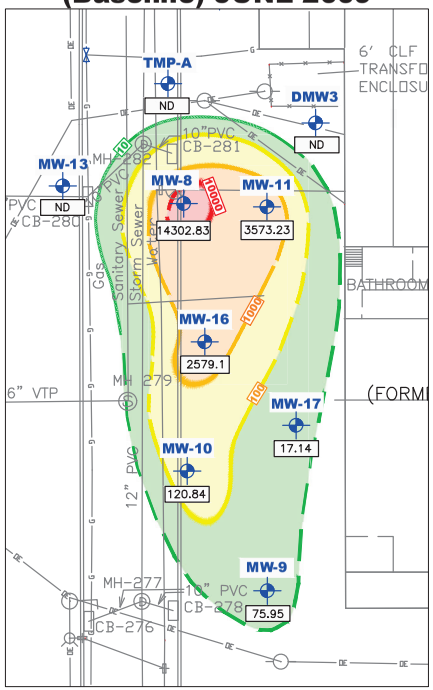
PERCHED GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 16, 2024

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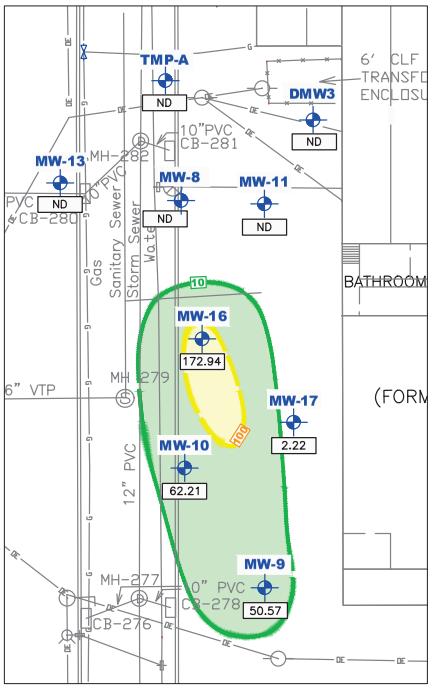
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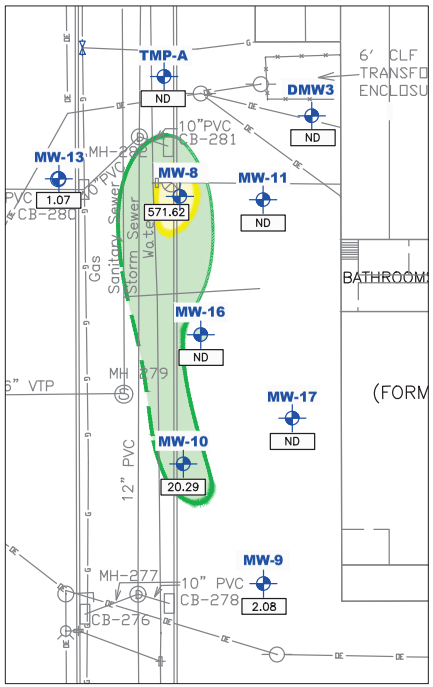
(Baseline) JUNE 2009



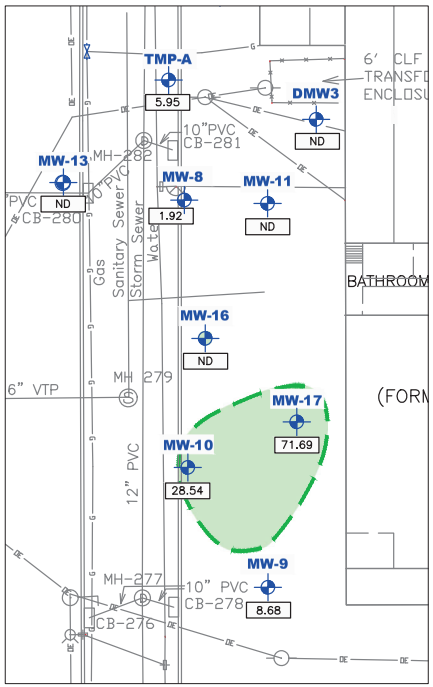
SEPTEMBER 2017



SEPTEMBER 2023



SEPTEMBER 2024



0 40 FT.

APPROXIMATE SCALE

EXPLANATION

- MOLAR CONCENTRATION > 10 (mol x 10^8)/L (AS CHLORIDE EQUIVALENTS)
- MOLAR CONCENTRATION > 100 (mol x 10^8)/L (AS CHLORIDE EQUIVALENTS)
- MOLAR CONCENTRATION > 1000 (mol x 10^8)/L (AS CHLORIDE EQUIVALENTS)
- MOLAR CONCENTRATION > 10000 (mol x 10^8)/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 SLAP DEPRESSURIZATION SYSTEM* PREPARED BY ARCADIS OF CRANBURY, NEW JERSEY, JUNE 26, 2009

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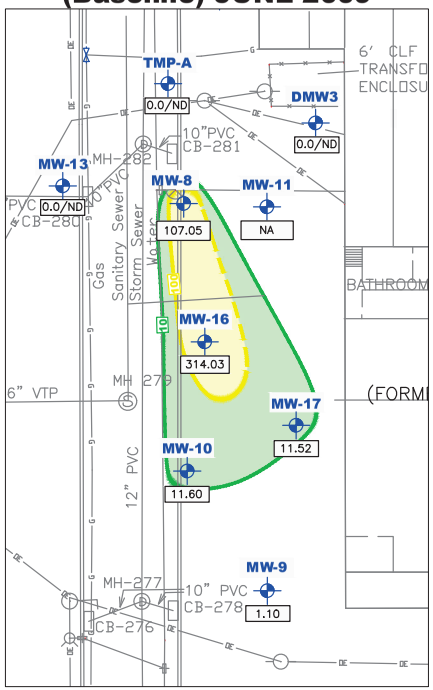
ESTIMATED PCE AND DAUGHTER PRODUCTS TOTAL MOLAR ISOCONCENTRATION PLUME MAPS AS CHLORIDE EQUIVALENTS, BASELINE TO SEPTEMBER 2024

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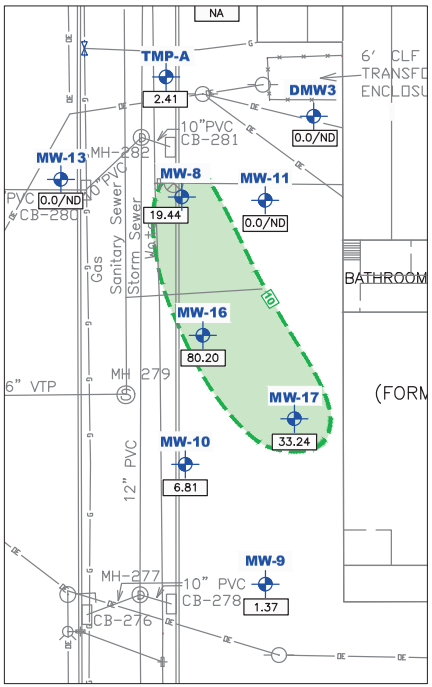
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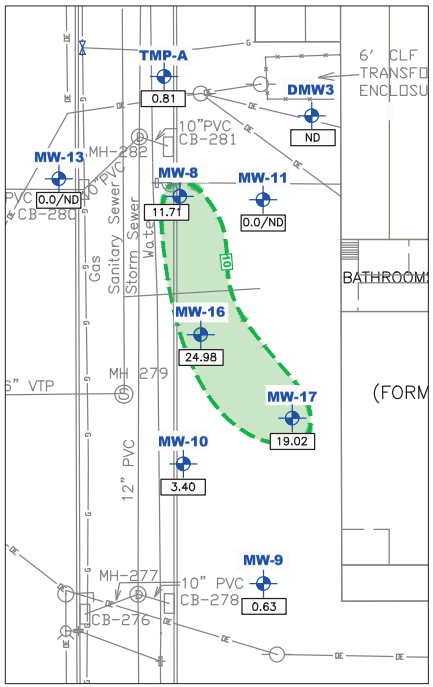
(Baseline) JUNE 2009



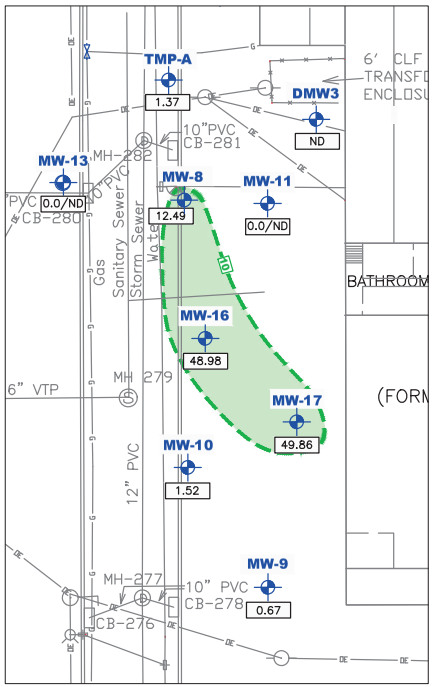
SEPTEMBER 2017



SEPTEMBER 2023



SEPTEMBER 2024



0 40 FT.

APPROXIMATE SCALE

EXPLANATION

- MOLAR CONCENTRATION > 10 (mol x 10^8)/L (AS CHLORIDE EQUIVALENTS)
- MOLAR CONCENTRATION > 100 (mol x 10^8)/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 SLAP DEPRESSURIZATION SYSTEM* PREPARED BY ARCADIS OF CRANBURY, NEW JERSEY, JUNE 26, 2009

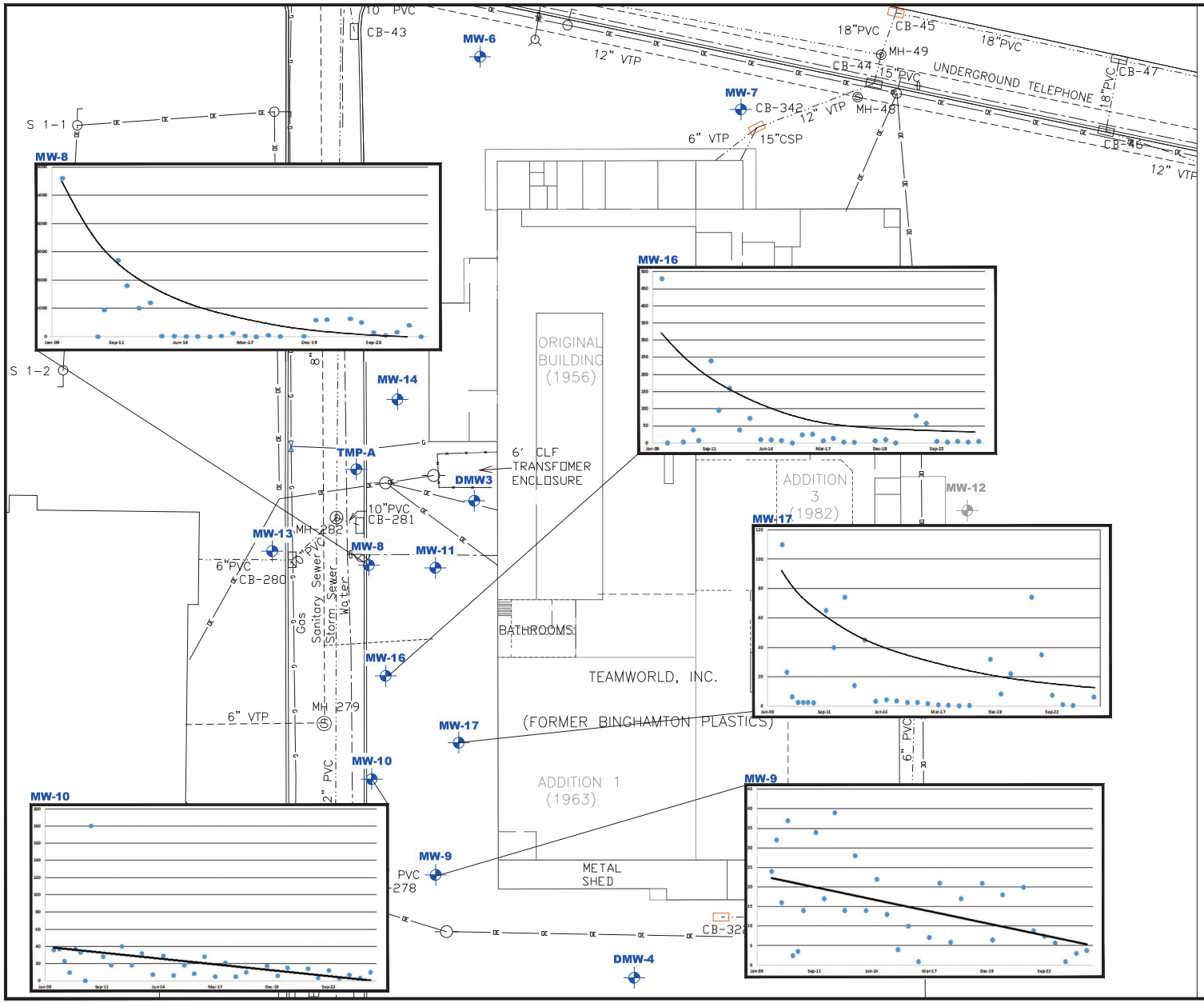
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

ESTIMATED 1,1,1-TCA AND DAUGHTER PRODUCTS TOTAL MOLAR ISOCONCENTRATION PLUME MAPS AS CHLORIDE EQUIVALENTS, BASELINE TO SEPTEMBER 2024

VERINA Engineering, P.C.

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\\server02\Shared\JOBFILES\5101-DOVER\5101.0003 - Dover Binghamton, NY\CAD\2024\5101.0003-Figure-006-TCA-00-2024.dwg LAYOUT: TCA SAVED: 12/27/2024 9:56 AM BY: CLAUDIO STABILE



EXPLANATION

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

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

0 40 FT.
APPROXIMATE SCALE

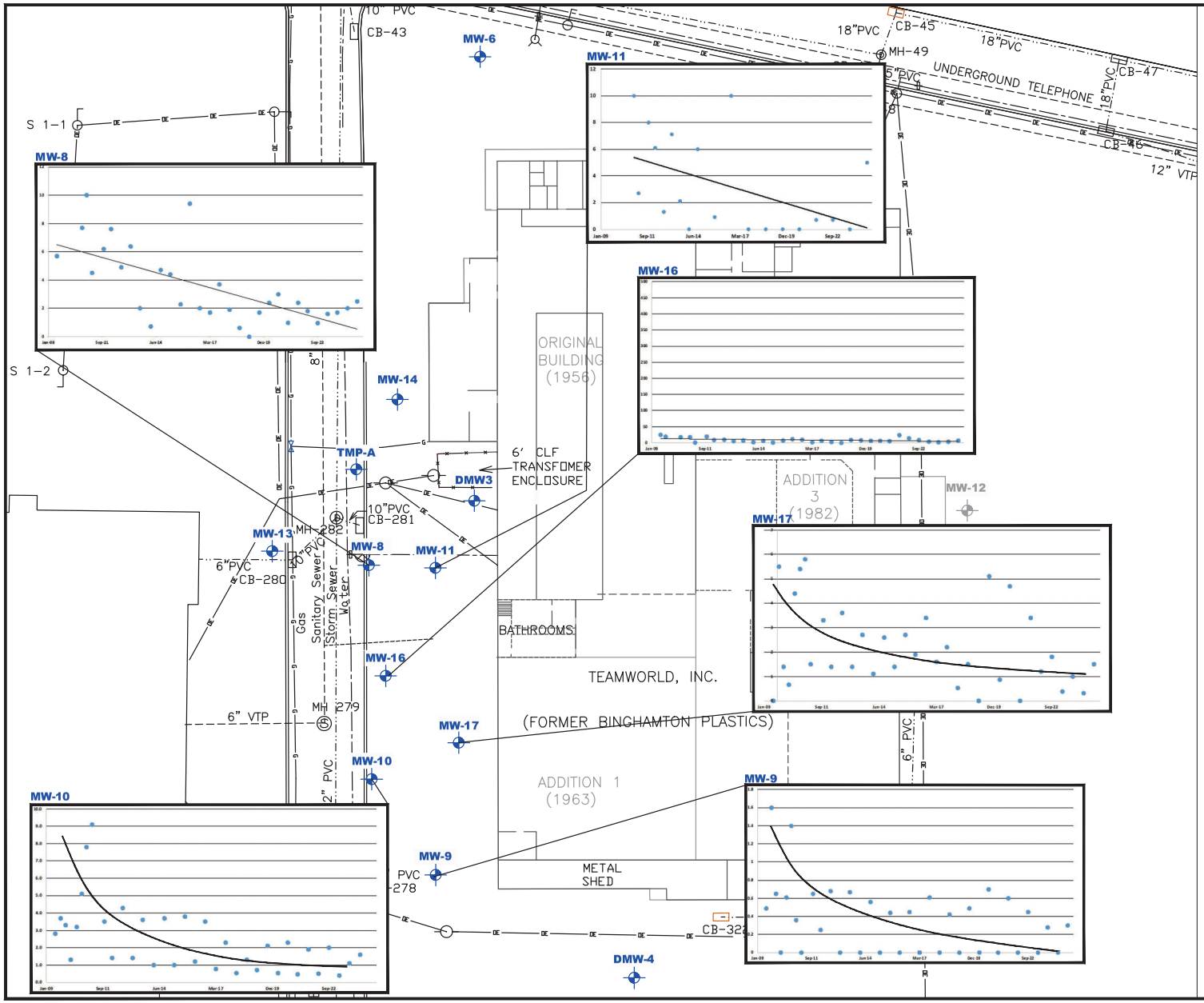
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

TCE TREND ANALYSIS AT SELECT WELLS

VERINA Engineering, P.C.

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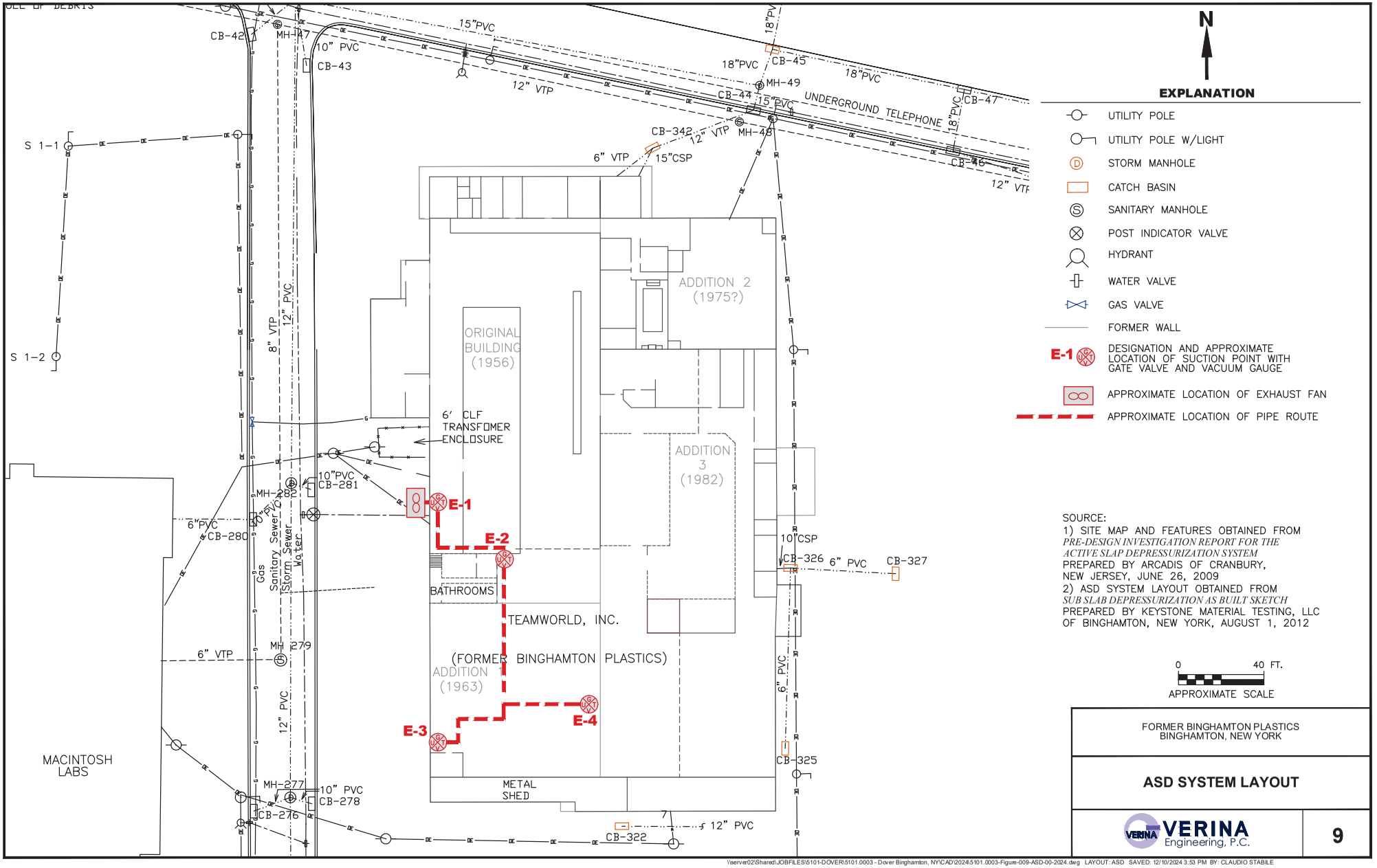
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

1,1,1-TCA TREND ANALYSIS AT SELECT WELLS

VERINA Engineering, P.C.

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Tables

Table 1 - Groundwater Elevation Data - March 2024, 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	16.16	858.06
DMW-4	2	15	5 - 15	878.32	878.38	877.91	3.54	874.37
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	21.36	848.01
MW-7	2	40	30 - 40	869.96	869.99	869.60	26.32	843.28
MW-8	2	15	5 - 15	873.22	873.18	872.83	1.94	870.89
MW-9	2	15	5 - 15	875.02	875.04	874.76	1.44	873.32
MW-10	2	15	5 - 15	875.7	875.71	875.47	2.52	872.95
MW-11	2	20	10 - 20	874.53	874.52	874.14	1.70	872.44
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	4.59	869.01
MW-14	2	15	5 - 15	871.06	871.07	870.57	0.75	869.82
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	1.90	872.21
MW-17	2	15	5 - 15	874.03	NS	873.74	1.28	872.46
TMP-A	1	8	3 - 8	871.59	NS	871.39	2.97	868.42
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

NS = Not surveyed

Groundwater elevation measured on March 18, 2024

Table 2 - Groundwater Elevation Data - September 2024, Former Binghamton Plastics, Binghamton, New York

Monitoring Well	Well Diameter (in)	Total Depth (ft, bg)	Screened Interval (ft, bg)	Surface Elevation (ft, msl)	Top of Casing Elevation (ft, msl)	Top of PVC Elevation (ft, msl)	Depth to Water (ft, TOC)	Groundwater Elevation (ft, msl)
DMW-1	4	15	5-15	876.19	876.44	874.21	Abandoned	NA
DMW-3	2	48	41-48	875.16	875.16	874.22	20.08	854.14
DMW-4	2	15	4-14	878.32	878.38	877.91	4.89	873.02
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	23.74	845.63
MW-7	2	40	30-40	869.96	869.99	869.60	30.55	839.05
MW-8	2	15	5-15	873.22	873.18	872.83	2.23	870.60
MW-9	2	15	5-15	875.02	875.04	874.76	2.65	872.11
MW-10	2	15	5-15	875.70	875.71	875.47	3.64	871.83
MW-11	2	20	10-20	874.53	874.52	874.14	2.48	871.66
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	4.63	868.97
MW-14	2	15	5-15	871.06	871.07	870.57	0.75	869.82
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	2.61	871.50
MW-17	2	15	5-15	874.03	NS	873.74	2.30	871.44
TMP-A	1	8	3-8	871.59	NS	871.39	2.91	868.48
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

NS = Not surveyed

Groundwater elevation measured on September 16, 2024

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

	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
Well ID No.	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

	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
Well ID No.	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

	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
Well ID No.	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

	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
Well ID No.	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

	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
Well ID No.	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

	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
Well ID No.	March 2023	September 2023	March 2024	September 2024		
MW-8	1.0	1.0	1.17	19.2		
MW-9	0.0	64.0	0.95	2.4		
MW-10	0.4	NA	0.43	NA		
MW-11	NS	560.0	NS	NA		
MW-16	46.0	400.0	3.85	20.0		
MW-17	0.4	30.0	4.93	9.0		

NOTES:

ppm = parts per million

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

NS = Not sampled during given sampling event

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

Table 4 - Groundwater Analytical Data - March 2024, Former Binghamton Plastics, Binghamton, New York

Sample ID	NYSDEC GWQS	MW-8-032024	DUP-032024	MW-9-031924	MW-10-031924	MW-16-031924
Laboratory ID		R2402277-008	R2402277-009	R2402277-004	R2402277-003	R2402277-006
Date Sampled		3/20/2024	3/20/2024	3/19/2024	3/19/2024	3/19/2024
Units		µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	2.0 J	2.2 J	1.0 U	0.32 J	11
1,1-Dichloroethene	5	3.1 J	3.1 J	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	260	250	1.0 U	0.93 J	13
trans-1,2-Dichloroethene	5	13 U	13 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	13 U	13 U	1.0 U	0.32 J	1.0 U
1,1,1-Trichloroethane	5	2.0 J	2.0 J	1.0 U	0.39 J	4.0
Trichloroethene	5	400	380	3.0	3.2	3.2
Vinyl Chloride	2	13 U	13 U	1.0 U	1.0 U	1.0 U

Sample ID	NYSDEC GWQS	MW-17-031924	FB-031924	FB-032024	TB-031924
Laboratory ID		R2402277-002	R2402277-005	R2402277-007	R2402277-001
Date Sampled		3/19/2024	3/19/2024	3/20/2024	3/19/2024
Units		µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	4.3	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.34 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	0.31 J	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

J = Estimated value

µg/l = micrograms per liter

U = Compound analyzed for but not detected aboive 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 2024, Former Binghamton Plastics, Binghamton, New York

Sample ID	NYSDEC GWQS	MW-6-091724	MW-7-091724	MW-8-091724	MW-9-091624	MW-10-091624	MW-11-091724
Laboratory ID		R2409108-009	R2409108-012	R2409108-013	R2409108-002	R2409108-007	R2409108-016
Date Sampled		9/17/2024	9/17/2024	9/17/2024	9/16/2024	9/16/2024	9/17/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs							
1,1-Dichloroethane	5	1.0 U	1.0 U	3.4	1.0 U	0.49 J	10 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	2.1	10 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	0.76 J	10 U
1,1,1-Trichloroethane	2	1.0 U	1.0 U	2.5	0.30 J	1.6	10 U
Trichloroethene	5	1.0 U	1.0 U	0.84 J	3.8	9.8	10 U
Vinyl Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U
SVOCs							
1,4-Dioxane	0.35	NA	NA	0.80 U	NA	NA	NA

Sample ID	NYSDEC GWQS	MW-13-091724	MW-14-091624	MW-16-091724	MW-17-091624	DMW-3-091724	DMW-4-091624
Laboratory ID		R2409108-017	R2409108-005	R2409108-010	R2409108-004	R2409108-011	R2409108-008
Date Sampled		9/17/2024	9/16/2024	9/17/2024	9/16/2024	9/17/2024	9/16/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs							
1,1-Dichloroethane	5	1.0 U	1.0 U	16	23	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	10 U	27	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	10 U	1.0	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	2	1.0 U	1.0 U	7.4 J	1.5	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	10 U	6.1	1.0 U	0.22 J
Vinyl Chloride	5	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
SVOCs							
1,4-Dioxane	0.35	0.089	0.040 U	1.1	NA	NA	NA

Sample ID	NYSDEC GWQS	TMP-A-091624	FB-091624	FB-091724	TB-091624		
Laboratory ID		R2409108-003	R2409108-006	R2409108-015	R2409108-001		
Date Sampled		9/16/2024	9/16/2024	9/17/2024	9/16/2024		
Units		ug/L	ug/L	ug/L	ug/L		
VOCs							
1,1-Dichloroethane	5	0.39 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		
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U		
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U		
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U		
1,1,1-Trichloroethane	2	0.26 J	1.0 U	1.0 U	1.0 U		
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U		
Vinyl Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U		
SVOCs							
1,4-Dioxane	0.35	NA	0.040 U	0.040 U	NA		

Notes:

J = Estimated value

µg/l = micrograms per liter

U = Compound analyzed for but not detected aboive 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-DCE (ug/L)	trans-1,2-DCE (ug/L)	PCE	TCE	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene
Units:		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
MW-1/DMW-1	2/8/1999	1000	< 180	< 360	8200	71	620	150 J	85
MW-2/DMW-2	12/10/1998	7.9	< 2.5	1.3 J	86	< 10	5.5	<5	<5
MW-3/DMW-3	12/10/1998	<2.5	<2.5	<0.5	1.1 J	<10	<0.5	<0.5	<0.5
	9/18/2001	< 0.5	< 0.5	< 0.5	0.5 J	< 0.5	<0.5	<0.5	<0.5
	4/1/2002	0.03 J	< 0.5	< 0.5	0.3 J	< 0.5	<0.5	<0.5	<0.5
	9/19/2002	0.2 J	<0.5	0.07 J	0.3 J	<0.5	<0.5	<0.5	<0.5
	3/28/2003	<0.5	<0.5	0.2 J	0.1 J	<0.5	<0.5	<0.5	<0.5
	6/19/2003	0.8	<0.5	0.3 J	0.8	<0.5	<0.5	<0.5	<0.5
	9/16/2003	<0.5	<0.5	0.3 J	0.08 J	<0.5	<0.5	<0.5	<0.5
	1/6/2004	<0.5	0.091 J	0.31 J	0.16 J	<0.5	<0.5	<0.5	0.091 J
	4/6/2004	0.2 J	<0.5	0.25 J	0.15 J	<0.5	<0.5	<0.5	<0.5
	6/24/2004	<0.5	<0.5	0.17	<0.5	<0.5	<0.5	<0.5	<0.5
	9/20/2004	<0.5	<0.5	0.23 J	0.13 J	<0.5	<0.5	<0.5	<0.5
	3/23/2005	<0.5	<0.5	<0.5	0.13J	<0.5	<0.5	<0.5	<0.5
	9/27/2005	<2	<2	<1	<1	<2	<2	<2	<2
	3/7/2006	<5	<5	0.43J	<5	<5	<5	<5	<5
	5/25/2006	<5	<5	<5	<5	<5	<5	<5	<5
	9/19/2006	<5	<5	<5	<5	<5	<5	<5	<5
	4/2/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	8/28/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/15/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/24/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	7/22/2008	<5.0	<5.0	<5.0	0.88 J	<5.0	<5.0	<5.0	<5.0
	10/7/2008	<5.0	<5.0	<5.0	0.40 J	<5.0	<5.0	<5.0	<5.0
	12/2/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12/14/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 (<5.0)	<5.0 (<5.0)	<5.0 (<5.0)
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.52 J	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/11/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-4/DMW-4	12/9/1998	< 2.5	< 2.5	< 5	1.2J	< 10	<5	<5	<5
	9/16/2024	<1.0	<1.0	<1.0	0.22 J	<1.0	<1.0	<1.0	<1.0
MW-5	12/10/1998	480	11	1	17,000	20	1.1	170	500
	9/18/2001	370 J	< 500	<500	23,000	< 500	760	<500	430 J
	4/1/2002	0.3 J	< 0.5	0.06 J	48	< 0.5	0.8	<0.5	<0.5
MW-6	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10	<5	<5	<5
	9/17/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-7	12/8/1998	< 2.5	< 2.5	< 5	< 5	< 10	<5	<5	<5
	9/17/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-8	12/10/1998	0.25	< 5	< 0.01	0.35	<20	<10	2.8 J	<10
	9/18/2001	650	< 25	< 25	100	44	<25	<25	<25
	4/1/2002	170	2	6	230	6	7	3	4
	9/18/2002	240	3 J	<6	560	<6	4 J	<6	<2
	3/28/2003	370	4	0.4 J	420	16	34	6	11
	6/19/2003	1,000	19	<13	810	36	14	11 J	10 J
	9/16/2003	960	14 J	<31	250	240	40	24 J	17 J
	1/6/2004	670	7.3 J	<18	500	7.7 J	8 J	13	9.8 J
	4/6/2004	1,900	12 J	<50	420	300	36 J	24 J	31 J
	6/24/2004	2,500	27	83	170	430	65	26	33
	9/20/2004	6,200	75	<210	380	740	<210	48	75
	3/23/2005	4,000	44 J	<0.5	930	490	6.7 J	29 J	43 J
	6/14/2005	<2	<2	<1	<1	<2	6.6	9.6	<2
	9/27/2005	<2	<2	<1	<1	<2	9.7	19	<2
	3/7/2006	<50	<50	<50	<50	<50	13 J	7.5 J	<50
	4/2/2007	110	0.69J	<5.0	360D	<5.0	4.3 J	8.9	1.7 J
	10/15/2007	640 D	9.8 J	<13	2700 D	66	5.0 J	18	20
	3/24/2008	170	3.3 J	<13	790 D	4.2 J	1.8 J	5.4 J	1.4 J
	7/22/2008	900	14 J	<100	3400	120	6.4 J	15 J	26 J
	10/7/2008	640	18 J	<100	3200	82 J	7.6 J	23 J	19 J
	12/2/2008	440	6.4 J	<25	2200 D	3.6 J	4.0 J	8.0 J	10 J
	3/10/2009	450	<100	<100	2200	38 J	<100	<100	14 J
	6/9/2009	680	14 J	<50	5600 D	53	5.7 J	16 J	30 J
	9/14/2009	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/2009	NS	NS	NS	NS	NS	NS	NS	NS
	3/8/2010	NS	NS	NS	NS	NS	NS	NS	NS
	6/21/2010	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0	7.7	6.1	<5.0
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0	10	4.6 J	<5.0
	3/23/2011	100	0.43 J	<5.0	940 D	3.9 J	4.5 J	1.6 J	1.8 J
	10/27/2011	330 D	1.6 J	<5.0	2700 D	21	6.2	16.0	12.0
	3/13/2012	290	3.2 J	<50	1800	32 J	7.6 J	3.1 J	8.4 J
	9/17/2012	360	<50	<50	1000	33 J	4.9 J	4.7 J	<50
	3/11/2013	210	11 J	<50	1200	5.3 J	6.39 J (6.2 J)	3.0 J (2.5 J)	<50 (<50)
	9/2/2013	1.7 J	<5.0	<5.0	16	<5.0	2.0 J	3.6 J	<5.0
	3/17/2014	0.85 J	<5.0	<5.0	12	<5.0	0.72 J	1.3 J	<5.0
	9/20/2014	0.67 J	<5.0	<5.0	3.9 J	<5.0	4.7 J	3.9 J	<5.0
	3/18/2015	0.75 J	<5.0	<5.0	6.4	<5.0	4.4 J	7	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0	2.3 J	2.4 J	<5.0
	3/17/2016	9.1	<1.0	<1.0	27	<1.0	9.4	8	<1.0
	9/15/2016	71	<1.0	<1.0	120	<1.0	2	4	<1.0
	3/22/2017	29	<1.0	<1.0	26	<1.0	1.7	1.6	1.1
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0	3.7	5.5	<1.0
	3/22/2018	67	0.33 J	<1.0	50	<1.0	1.9	2.2	<5.7
	9/20/2018	11 (15)	<1.0	<1.0 (<1.0)	8.7 (9.7)	<1.0 (<1.0)	0.62 J (0.51 J)	2.1 (2.0)	<1.0 (<1.0)
	3/20/2019	92	<10.0	<10.0	24	<10.0	<10	<10	<10
	9/23/2019	4.1	<1.0	<1.0	13	<1.0	1.7	3.2	<1.0
	3/25/2020	480 D	8.6	<1.0	580 D	2.2	2.4	3.0	5.3
	9/14/2020	1000 D	12	<5.0	600	14	3.0 J	6.0	9.5
	3/9/2021	120	1.6 J	<2.5	270	<2.5	0.99 J	1.2 J	2.5 J
	9/14/2021	700 D	9.7	<2.5	630 D	10	2.4 J	3.3	5.9
	3/9/2022	260 (260)	2.9 J (2.9 J)	<5.0 (<530)	500 (520)	2.5 J	1.8 J (1.9 J)	1.2 J (1.4 J)	3.6 J (3.6 J)
	9/13/2022	160	0.32 J	<1.0	150	<1.0	0.97 J	1.3	1.1
	3/16/2023	38 (43)	<1.0 (<1.0)	<1.0 (<1.0)	32 (35)	<1.0 (<1.0)	1.6 (1.6)	1.6 (1.5)	0.64 J (0.63 J)
	9/11/2023	100 (85)	<2.0 (2.9)	<2.0 (<1.0)	160 (140)	<2.0 (<1.0)	1.7 J (1.8)	2.9 (3.1)	0.98 J (<1.0)
	3/20/2024	260 (250)	<13.0 (<13.0)	<13.0 (<13.0)	400 (380)	<13.0 (<13.0)	2.0 J (2.0 J)	2.0 J (2.2 J)	3.1 J (3.1 J)
	9/17/2024	<1.0	<1.0	<1.0	0.84 J	<1.0	2.5	3.4	<1.0

See notes on last page.

Sample Location	Sampling Date	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene
Units:		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
MW-9	12/10/1998	7.3	< 2.5	1.2J	77	< 10	4.4 J	< 5	< 5
	4/1/2002	0.6	< 0.5	0.2 J	20	< 0.5	< 0.5	< 0.5	< 0.5
	9/18/2002	7	0.08 J	1	57 J	0.9 J	6	1	0.3 J
	3/28/2003	1	<0.5	0.4 J	16	<0.5	0.7	< 0.5	< 0.5
	6/19/2003	3	0.04 J	0.5	26	0.09 J	1	0.2 J	< 0.5
	916/2003	4.1	<1.3	0.61 J	40	<1.3	1.9	< 1.3	< 1.3
	1/6/2004	2.4	0.083 J	0.48 J	23	<0.5	0.78	0.12 J	0.097 J
	4/6/2004	0.8 J	<1	0.61 J	30	<1	0.55 J	< 1	< 1
	6/24/2004	4.7	<0.5	0.53	27	0.52	1	< 0.5	0.15 J
	9/20/2004	6.2	<2.0	0.79 J	57	<2.0	1.7 J	< 2.0	< 2.0
	3/23/2005	0.78	<0.5	0.23 J	17	<0.5	0.35 J	< 0.5	< 0.5
	9/27/2005	5.5	<2	<2	46	<2	2.3	< 2	< 2
	3/7/2006	<5	<5	<5	<5	<5	1.5 J	< 5	< 5
	4/2/2007	0.85J	<5.0	<5.0	24	<5.0	< 5.0	< 5.0	< 5.0
	8/28/2007	8.4	<5.0	0.88 J	55	0.67 J	2.2 J	0.58 J	0.42 J
	10/15/2007	10	<5.0	0.81 J	55	<5.0	1.8 J	0.38 J	< 5.0
	3/24/2008	0.44 J	<5.0	<5.0	19	<5.0	< 5.0	< 5.0	< 5.0
	7/21/2008	12	<5.0	0.55 J	45	0.55 J	2.4 J	0.45 J	0.41 J
	10/8/2008	7.1	<5.0	0.59 J	49	<5.0	1.9 J	0.32 J	0.20 J
	12/2/2008	5.8	<5.0	0.47 J	49	<5.0	0.84 J	< 5.0	< 5.0
	3/10/2009	2.1 J	<5.0	<5.0	24	<5.0	< 5.0	< 5.0	< 5.0
	6/10/2009	1.4 J	<5.0	<5.0	32	<5.0	0.49 J	< 5.0	< 5.0
	9/16/2009	1.9 J	<5.0	0.83 J	24	<5.0	1.6 J	< 5.0	< 5.0
	12/8/2009	2.2 J	<5.0	0.43 J	32	<5.0	0.65 J	<5.0	<5.0
	3/8/2010	0.78 J	<5.0	<5.0	16	<5.0	<5.0 (< 5.0)	<5.0 (< 5.0)	<5.0 (< 5.0)
	6/21/2010	1.60 J	<5.0	<5.0	37	<5.0	0.61 J	<5.0	<5.0
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0	1.4 J	<5.0	<5.0
	12/16/2010	<5.0	<5.0	<5.0	3.6 J	<5.0	0.36 J	<5.0	<5.0
	3/23/2011	<5.0	<5.0	<5.0	14	<5.0	<5.0	<5.0	<5.0
	10/26/2011	0.76 J	<5.0	0.38 J	34	<5.0	0.65 J	<5.0	<5.0
	3/13/2012	0.21 J	<5.0	<5.0	17	<5.0	0.25 J	<5.0	<5.0
	9/18/2012	1.1 J	<5.0	0.39 J	39	<5.0	0.68 J	<5.0	<5.0
	3/11/2013	<5.0	<5.0	<5.0	14	<5.0	<5.0	<5.0	<5.0
	9/5/2013	0.94 J	<5.0	0.31 J	28	<5.0	0.67 J	<5.0	<5.0
	3/17/2014	0.41 J	<5.0	<5.0	14	<5.0	<5.0	<5.0	<5.0
	9/21/2014	<5.0	<5.0	<5.0	22	<5.0	0.56 J	<5.0	<5.0
	3/19/2015	0.92 J	<5.0	<5.0	13	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	4.0 J	<5.0	0.44 J	<5.0	<5.0
	3/17/2016	0.31 J	<1.0	<1.0	10	<1.0	<1.0	<1.0	<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)	0.45 J	<1.0	<1.0
	3/21/2017	<1.0	<1.0	<1.0	7.1	<1.0	<1.0	<1.0	<1.0
	9/14/2017	0.92 J	<1.0	0.30 J	21	<1.0	0.61 J	<1.0	<1.0
	3/22/2018	<1.0	<1.0	<1.0	5.9	<1.0	<0.36	<0.20	<0.57
	9/20/2018	<1.0	<1.0	<1.0	17	<1.0	0.42 J	<1.0	<1.0
	3/20/2019	<10.0	<10.0	<10.0	5.3 J	<10.0	<10	<10	<10
	9/23/2019	0.32 J	<1.0	0.29 J	21	<1.0	0.49 J	<1.0	<1.0
	3/25/2020	0.34 J	<1.0	<1.0	6.5	<1.0	<1.0	<1.0	<1.0
	9/14/2020	0.36 J	<1.0	<1.0	18	<1.0	0.70 J	<1.0	<1.0
	3/9/2021	<1.0	<1.0	<1.0	9.8	<1.0	<1.0	<1.0	<1.0
	9/14/2021	<1.0	<1.0	0.31 J	20	<1.0	0.60 J	<1.0	<1.0
	3/9/2022	0.38 J	<1.0	<1.0	8.8	<1.0	<1.0	<1.0	<1.0
	9/13/2022	<1.0	<1.0	<1.0	7.4	<1.0	0.45 J	<1.0	<1.0
	3/16/2023	<1.0	<1.0	<1.0	5.7	<1.0	<1.0	<1.0	<1.0
	9/11/2023	<1.0	<1.0	<1.0	0.91 J	<1.0	0.28 J	<1.0	<1.0
	3/19/2024	<1.0	<1.0	<1.0	3.0	<1.0	<1.0	<1.0	<1.0
	9/16/2024	<1.0	<1.0	<1.0	3.8	<1.0	0.30 J	<1.0	<2.0
MW-10	12/10/1998	18	< 2.5	54	64	2.3 J	2.5	14	< 5
	9/18/2001	10	< 1.4	2	21	18	10	22	1 J
	4/1/2002	11	0.3 J	1	16	2	7	13	1
	9/18/2002	14	0.4 J	4	53 J	21	13	13	2
	3/28/2003	11	0.2 J	2	25	2	6	6	< 0.5
	6/19/2003	13	0.5 J	3	32	9	8	11	2
	9/16/2003	15	0.39 J	2.4	42	12	7.3	8.6	2.4
	1/6/2004	4.3	0.26 J	1.6	13	0.43 J	2.2	3.6	0.51
	4/6/2004	4.7	<0.5	0.89	13	0.38 J	1.4	1.4	0.6
	6/24/2004	16	0.65	2.6	45	8.6	5	6.0	2.5
	9/20/2004	3.4	0.15 J	2.7	16	0.9	5.2	9.4	0.36 J
	3/23/2005	3.8	0.11 J	1.1	12	0.57	2.1	3.5	0.83
	9/27/2005	13	<2	3	50	6.6	6.5	6.1	< 2
	3/7/2006	9.3	<5	1.6J	27	2.5J	4 J	2.6 J	1.2 J
	9/19/2006	17	0.48J	2.2J	32	5.9	4.8 J	4.4 J	1.4 J
	8/28/2007	12	0.33 J	2.2 J	31	5.9	4.0 J	4.4 J	1.3 J
	10/15/2007	4.8 J	<5.0	2.1 J	16	1.7 J	3.3 J	5.7	0.78 J
	3/24/2008	3.9 J	<5.0	0.53 J	6.6	<5.0	0.73 J	0.93 J	< 5.0
	7/21/2008	3.7 J	<5.0	0.45 J	5.3	0.72 J	0.76 J	1.8 J	0.27J
	10/8/2008	12	0.26 J	1.4 J	25	5.3	3.5 J	3.7 J	0.93 J
	12/2/2008	4.4 J	<5.0	1.2 J	9.4	<5.0	2.1 J	2.4 J	0.34 J
	3/10/2009	4.3 J	<5.0	0.77 J	9.2	<5.0	1.1 J	1.3 J	< 5.0
	6/8/2009	15	<5.0	1.6 J	36	2.4 J	2.8 J	1.5 J	1.1 J
	9/14/2009	18	<5.0	2.0 J	37	4.8 J	3.7 J	2.9 J	1.2 J
	12/9/2009	13	<5.0	1.3 J	23	1.1 J	3.3 J	1.9 J	0.72 J
	3/8/2010	5.3	<5.0	0.71 J	9.7	<5.0	1.3 J	1.1 J	<5.0
	6/22/2010	19	0.29 J	1.6 J	37	3.5 J	3.2 J	1.7 J	1.0 J
	9/21/2010	18	0.32 J	1.8 J	33	4.5 J	5.1	2.7 J	1.0 J
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0	7.8	24	<5.0
	3/23/2011	86	<5.0	0.67 J	180	1.8 J	9.1	28.0	5.70
	10/26/2011	11	0.21 J	1.7 J	28	2.2 J	3.5 J	2.0 J	0.85 J
	3/13/2012	6	<5.0	0.81 J	18	0.46 J	1.4 J	1.0 J	<5.0
	9/17/2012	14	<5.0	1.8 J	40	2.7 J	4.3 J (4.3 J)	1.8 J (1.8 J)	0.69 J (0.75 J)
	3/11/2013	7.9	<5.0	0.72 J	18	0.49 J	1.4 J	0.99 J	<5.0
	9/2/2013	11	<5.0	1.7 J	32	1.1 J	3.6 J	1.7 J	<5.0
	3/17/2014	3.4 J	<5.0	0.63 J	7.3	<5.0	1.0 J (0.88 J)	0.82 J (0.82 J)	<5.0 (<5.0)
	9/21/2014	8.9	<5.0	1.4 J	29	0.69 J	3.7 J	1.1 J	<5.0
	3/18/2015	2.1 J	<5.0	0.66 J	6.2	<5.0	1.0 J	0.69 J	<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)	3.8 J (3.6 J)	0.81 J (0.78 J)	<5.0 (<5.0)
	3/17/2016	2.9	<1.0	0.76 J	8.2	<1.0	1.2	0.97 J	<1.0
	9/15/2016	6.3	<1.0	1.6	28	0.36 J	3.5	1.2	<1.0
	3/21/2017	2.6	<1.0	0.70 J	5.0	<1.0	0.77 J	0.74 J	<1.0
	9/14/2017	5.1 (4.9)	<1.0 (<1.0)	1.3 (1.4)	21 (21)	0.38 J (<1.0)	2.3 (2.4)	0.81 J (0.70 J)	<1.0 (<1.0)
	3/20/2018	2.2	<1.0	0.52 J	5.0	<1.0	0.54 J	0.72 J	<0.57
	9/20/2018	2.6	<1.0	0.87 J	10	<1.0	1.3	0.79 J	<1.0
	3/20/2019	2	<1.0	0.52 J	7.0	<1.0	0.70 J	0.43 J	<1.0
	9/23/2019	2.8	<1.0	1.1	17	<1.0	2.1	0.76 J	<1.0
	3/25/2020	1.9	<1.0	0.42 J	5.8	<1.0	0.53 J	0.47 J	<1.0
	9/14/2020	3.6	<1.0	1	15.0	0.26 J	2.3	0.83 J	<1.0
	3/9/2021	1.2	<1.0	0.37 J	3.6	<1.0	0.46 J	0.46 J	<1.0
	9/14/2021	3.4	<1.0	0.81 J	14.0	0.25 J	1.9	0.74 J	<1.0
	3/9/2022	0.94 J	<1.0	0.44 J	3.3	<1.0	0.49 J	0.34 J	<1.0
	9/13/2022	2.4	<1.0	0.88 J	12	<1.0	2	0.72 J	<1.0
	3/16/2023	0.91 J	<1.0	0.23 J	2.8	<1.0	0.40 J	0.35 J	<1.0
	9/11/2023	1.3	<1.0	0.77 J	6.9	<1.0	1.10	0.46 J	<1.0
	3/19/2024	0.93 J	<1.0	0.32 J	3.2	<1.0	0.39 J	0.32 J	<1.0
	9/16/2024	2.1	<1.0	0.76 J	9.8	<1.0	1.6	0.49 J	<1.0

See notes on last page.

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	1,1,1-Trichloroethane µg/l	1,1-Dichloroethane µg/l	1,1-Dichloroethene µg/l
MW-11	12/9/1998	1,100	11	< 5	1,400	140	12	8.9	12
	9/18/2001	850	< 31	<31	700	77	< 31	< 31	< 31
	4/1/2002	1,100	12	<50	1,500	23	18	<50	17
	9/19/2002	1,600	12 J	<25	2,100	82	13 J	<25	13 J
	3/28/2003	1,200	11	0.2 J	2,400	58	< 63	7	14
	6/19/2003	1,300	10 J	<25	2,500	24 J	24 J	<25	8 J
	9/16/2003	1,700	13 J	<83	2,500	170	47 J	<83	17 J
	1/6/2004	1,200	31 J	<53	1,500	28 J	< 63	<63	30 J
	4/6/2004	1,700	17	<83	2,300	6.8	15	8.6	14
	6/24/2004	1,600	18	<63	1,900	29	<63	<63	30
	9/20/2004	2,300 D	26 DJ	<63	2,200 D	58 DJ	16 DJ	15 DJ	24 DJ
	3/23/2005	1,500 D	21	<0.5	1,300 D	7.8	9.9	6.8	13
	6/14/2005	<2	<2	<1	<1	<2	5.3	2.8	< 2
	9/27/2005	<2	<2	<1	<1	<2	11	3.6	< 2
	3/7/2006	<500	<500	<500	<500	<500	<500	<500	< 500
	10/15/2007	<5.0	<5.0	<5.0	<5.0	< 5.0	45	9.7	< 5.0
	3/24/2008	130	<25	<25	520	5.2 J	51	9.2 J	<25
	7/22/2008	1900	15 J	<100	2900	140	26J	8.0 J	14 J
	10/7/2008	NS	NS	NS	NS	NS	NS	NS	NS
	12/2/2008	NS	NS	NS	NS	NS	NS	NS	NS
	3/11/2009	990	9.1 J	<25	3200 D	67	20 J	4.3 J	9.4 J
	6/8/2009	NS	NS	NS	NS	NS	NS	NS	NS
	9/14/2009	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/2009	NS	NS	NS	NS	NS	NS	NS	NS
	3/9/2010	NS	NS	NS	NS	NS	NS	NS	NS
	6/21/2010	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2010	NS	NS	NS	NS	NS	NS	NS	NS
	12/16/2010	<5.0	<5.0	<5.0	<5.0	<5.0	10	3.2 J	<5.0
	3/23/2011	<5.0	<5.0	<5.0	<5.0	<5.0	2.7 J	0.61 J	<5.0
	10/27/2011	<5.0	<5.0	<5.0	0.57 J	<5.0	8.0	2.6 J	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0	6.1	2.5 J	<5.0
	9/17/2012	<5.0	<5.0	<5.0	0.62 J	<5.0	1.3 J	0.64 J	<5.0
	3/11/2013	<5.0	<5.0	<5.0	<5.0	<5.0	7.1	2.2 J	<5.0
	9/2/2013	1.2 J	<5.0	<5.0	4.3 J	<5.0	2.1 J	1.4 J	<5.0
	3/18/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<25	<25	<25	<25	<25	6.0J (6.1 J)	1.8 J (1.7 J)	<25 (<25)
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0	0.92 J	<5.0	<5.0
	9/15/2016	<10	<10	<10	<10	<10	10	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2019	<10	<10	<10	<10	<10	<10	<10	<10
	9/14/2020	<1.0	<1.0	<1.0	5.0 J	<1.0	<1.0	<1.0	<1.0
	9/14/2021	0.32 J	<1.0	<1.0	0.21 J	<1.0	0.71 J	0.46 J	<1.0
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	0.71 J	0.24 J	<1.0
	9/11/2023	<10	<10	<10	<10	<10	<10	<10	<10
	9/17/2024	<10	<10	<10	<10	<10	<10	<10	<10
MW-12	12/7/1998	< 2.5	< 2.5	< 5	< 5	< 10	< 5	< 5	< 5
MW-13	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10	< 5	< 5	< 5
	3/24/2008	NS	NS	NS	NS	NS	NS	NS	NS
	7/23/2008	NS	NS	NS	NS	NS	NS	NS	NS
	10/9/2008	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	12/2/2008	<5.0	<5.0	<5.0	0.96 J	<5.0	< 5.0	< 5.0	< 5.0
	3/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	6/10/2009	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	12/7/2009	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	12/16/2010	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	3/23/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 (<5.0)	<5.0 (<5.0)	<5.0 (<5.0)
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2021	<1.0	<1.0	<1.0	0.29 J	<1.0	<1.0	<1.0	<1.0
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/11/2023	<1.0	<1.0	<1.0	0.47 J	<1.0	<1.0	<1.0	<1.0
	9/17/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-14	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10	<5	<5	<5
	9/18/2001	< 0.5	< 0.5	< 0.5	0.2J	< 0.5	< 0.5	< 0.5	< 0.5
	3/28/2003	<0.5	<0.5	0.08 J	<0.5	<0.5	< 0.5	< 0.5	< 0.5
	6/19/2003	<0.5	<0.5	0.3 J	0.04 J	<0.5	< 0.5	< 0.5	< 0.5
	9/16/2003	<0.5	<0.5	0.087 J	<0.5	<0.5	< 0.5	< 0.5	< 0.5
	1/6/2004	<0.5	<0.5	<0.5	0.064 J	<0.5	< 0.5	< 0.5	< 0.5
	4/6/2004	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5
	6/24/2004	2.1	<0.5	0.27 J	6.5	<0.5	< 0.5	< 0.5	< 0.5
	9/20/2004	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5
	3/23/2005	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5
	3/7/2006	<5.0	<5.0	<5.0	<5.0	<5.0	< 5	< 5	< 5
	5/25/2006	<5.0	<5.0	<5.0	<5.0	<5.0	< 5	< 5	< 5
	9/19/2006	<5.0	<5.0	<5.0	<5.0	<5.0	< 5	< 5	< 5
	4/2/2007	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	8/28/2007	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	10/15/2007	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	3/24/2008	<5.0	<5.0	<5.0	0.62 J	<5.0	< 5.0	< 5.0	< 5.0
	7/23/2008	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	10/7/2008	<5.0	<5.0	<5.0	0.32 J	<5.0	< 5.0	< 5.0	< 5.0
	12/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	3/11/2009	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	6/10/2009	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	12/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	12/14/2010	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0
	3/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2012	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 (<5.0)	<5.0 (<5.0)	<5.0 (<5.0)
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/16/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

See notes on last page.

Sample Location	Sampling Date	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene
Units:		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
MW-15	12/10/1998	960	11	14	6,900	23	1.6	220 J	560
	9/18/2001	790	< 84	< 84	4,000	68 J	690	130	290
	4/1/2002	510	10	17	3,400	34	690	86	280
MW-16	9/19/2002	1,500	11 J	<32	340	38	110	120	17 J
	3/28/2003	440	7	0.2 J	15	59	120	130	5
	6/19/2003	400	12	0.3 J	48	58	62	280	5
	9/16/2003	87	4.8	0.323 J	9	24	7.3	79	1.4 J
	1/6/2004	68	3.3	<2.5	6.6	20	4.3	25	0.97
	4/6/2004	22	1.1	0.23 J	2.6	5.6	2.1	9.6	0.29 J
	6/24/2004	6.8	2	0.23 J	4.1	2.3	0.43 J	10	0.12 J
	9/20/2004	78 D	5.2 D	<2.5	17	27 D	1.7DJ	22 D	0.84 DJ
	3/23/2005	9.3	5.4	<0.5	0.95	4.4	<0.5	4.2	<0.5
	9/25/2005	12	5.4	<1	6.2	11	7.7	53	<2
	3/7/2006	<500	<500	<500	<500	<500	<500	51 J	<500
	10/15/2007	240 D	13	0.64 J	110	140	7.1	86	22
	3/24/2008	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/2008	240	8.7 J	<13	69	87	5.2 J	45	17
	10/8/2008	710	13 J	1.1 J	330	180	15 J	67	62
	12/2/2008	450 D	10	0.94 J	320	88	11	47	51
	3/10/2009	270	4.6 J	1.1 J	280	42	8.8 J	32	35
	6/10/2009	650	10 J	<25	480	76	25	51	75
	9/15/2009	<5	<5	0.55 J	<5	<5	20	65	<5
	12/8/2009	NS	NS	NS	NS	NS	NS	NS	NS
	3/9/2010	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	18	50	<5.0
	9/20/2010	NS	NS	NS	NS	NS	NS	NS	NS
	12/16/2010	16	<5.0	<5.0	38	<5.0	18	45	1.8 J
	3/23/2011	4.1 J	<5.0	0.70 J	7.4	<5.0	0.73 J	0.77 J	<5.0
	10/27/2011	140	5.6	1.8 J	240 D	<5.0	20.0	55.0	<5.0
	3/13/2012	94	2.7 J	0.44 J	96	10	8.7	34	<5.0
	9/17/2012	140	2.0 J	0.71 J	160	11	9.8	58	0.82 J
	3/11/2013	96	7.5	0.34 J	38	1.9 J	5.8	32	<5.0
	9/5/2013	170	10	0.50 J	72	9.3	7.6	43	<5.0
	3/17/2014	49	1.4 J	<5.0	10	14	2.1 J	10	<5.0
	9/21/2014	17	<5.0	0.43 J	8.6	<5.0	6	41	<5.0
	3/18/2015	31	0.35 J	<5.0	7.1	15	1.1 J	7.8	1.8 J
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0	7.3	53	<5.0
	3/17/2016	87 (88)	1.4 (1.7)	0.89 J (0.70 J)	24 (24)	1.2 (0.96 J)	12(12)	36 (36)	<1.0 (<1.0)
	9/15/2016	83	0.87 J	0.61 J	26	4.9	9.7	59	1
	3/22/2017	30 (40)	<1.0 (<1.0)	<1.0 (<1.0)	6.1 (7.3)	8.1 (8.7)	2.3(2.7)	8.7 (11)	1.3 (1.9)
	9/14/2017	67	<1.0	0.30 J	13	2.7	6.7	31	1.2
	3/22/2018	15 (14)	<1.0 (<1.0)	<1.0 (<1.0)	2.4 (2.3)	<1.0 (<1.0)	2.8 (2.5)	7.7 (7.3)	<0.57 (0.57)
	9/20/2018	1.5	<1.0	160	1.6	<1.0	<1.0	<1.0	<1.0
	3/20/2019	68 (59)	<1.0 (<1.0)	0.23 J (0.30 J)	18 (16)	<1.0 (<1.0)	8.9 (8.7)	18 (18)	0.47 J (0.54 J)
	9/23/2019	32 (35)	<1.0 (<1.0)	0.27 J (0.27 J)	6.6 (7.1)	<1.0 (<1.0)	7.7 (7.6)	23 (23)	<1.0 (0.28 J)
	3/25/2020	34 (44)	<1.0 (<1.0)	<1.0 (0.23 J)	10 (17)	<1.0 (<1.0)	6.7 (6.6)	15 (17)	0.29 (0.74)
	9/14/2020	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	6.6 (7.0)	21 (23)	<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)	5.4 (5.5)	11 (11)	<1.0 (<1.0)
	9/14/2021	130 (120)	5.0 (4.6)	0.52 J (<1.0)	80 (75)	0.24 J (<1.0)	24 (24)	32 (30)	<1.0 (<1.0)
	3/9/2022	120	0.33 J	0.37 J	58	12	14	18	6.2
	9/13/2022	9.4	<1.0	0.27 J	4.8	<1.0	8.7	37	<1.0
	3/16/2023	13	<1.0	<1.0	2.5	<1.0	4	13	<1.0
	9/11/2023	<10	<10	<10	<10	<10	2.3 J	9.8 J	<10
	3/19/2024	13	<1.0	<1.0	3.2	<1.0	4.0	11	<1.0
	9/17/2024	<10	<10	<10	<10	<10	7.4 J	16	<10
MW-17	9/19/2002	1,800	18 J	<42	2,800	38 J	450	200	160
	3/28/2003	280	11	0.3 J	2	180	70	260	16
	6/19/2003	50	13	<6	1	65	8	230	3 J
	9/16/2003	4	11	1.6 J	0.74 J	9.1	3	160	1.5 J
	1/6/2004	3.3 J	6.4	<4.2	0.81 J	2.4 J	5.1	97	<4.2
	4/6/2004	3 J	6.8	<5	1.6 J	4.5 J	18	92	<5
	6/24/2004	<4.2	9.8	2.2	1.1	1.5	5	120	1.2
	9/20/2004	3.3 J	11	2.1 J	<5.0	6.7	9.2	130	<5.0
	3/25/2005	7.9	7.3	<0.5	0.8	5.9	8.6	68	0.66
	9/27/2005	150	8	<1	71	24	5	66	2
	3/7/2006	<50	<50	<50	<50	<50	26 J	63	<50
	9/19/2006	0.33	24	3.2	31	17	6.8	1.3 J	0.51 J
	8/28/2007	55	2.4 J	0.82 J	110	82	8.4	30	1.3 J
	10/15/2007	37	1.5 J	0.38 J	73	6.6	3.8 J	18	0.68 J
	3/24/2008	3.0 J	0.33 J	<5.0	1.2 J	0.93 J	<5.0	2.4 J	<5.0
	7/21/2008	2.4 J	0.94 J	<5.0	0.66 J	1.1 J	0.39 J	7.1	<5.0
	10/8/2008	16	1.6 J	0.21 J	35	5.7	2.7	17	0.41 J
	12/2/2008	6.6	0.46 J	<5.0	15	1.3 J	0.46 J	3.0 J	<5.0
	3/10/2009	3.7 J	0.46 J	<5.0	4.4 J	1.9 J	<5.0	3.2 J	<5.0
	6/9/2009	2.8 J	0.78 J	<5.0	3.5 J	1.1 J	<5.0	5.7	<5.0
	9/14/2009	38	2.5 J	0.60 J	110	9.1	5.5	34	1.1 J
	12/8/2009	7.4	0.61 J	<5.0	23	2.1 J	1.4 J	6.9	<5.0
	3/9/2010	4.5 J	<5.0	<5.0	6.5	1.1 J	0.66 J	3.4 J	<5.0
	6/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	4.4 J	24	<5.0
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0	5.4	24	<5.0
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0	5.8	36	<5.0
	3/23/2011	5.6	<5.0	<5.0	2.2 J	<5.0	1.5 J	9.2	<5.0
	10/26/2011	87	4.2 J	0.53 J	65	20	3.3 J	25.0	0.91 J
	3/14/2012	77	3.3 J	0.27 J	40	18	1.4 J	14.0	0.87 J
	9/17/2012	200	10	0.44 J	74	8.2	3.6 J	31	<5.0
	3/11/2013	53	2.8 J	<5.0	14	0.41 J	1.4 J	13	<5.0
	9/5/2013	84	3.6 J	<5.0	45	1.3 J	2.7 J	20	<5.0
	3/17/2014	18	1.0 J	<5.0	3.3 J	<5.0	1.1 J	8.7	<5.0
	9/21/2014	10	<5.0	<5.0	4.3 J	<5.0	2.6 J	17	<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)	1.4 J (1.6 J)	11 (12)	<5.0 (<5.0)
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0	2.7 J	21	<5.0
	3/17/2016	3.7	<1.0	<1.0	2.4	<1.0	1.9	13	<1.0
	9/15/2016	1.4	<1.0	0.30 J	1.7	<1.0	3.4	23	<1.0
	3/21/2017	0.78 J	<1.0	<1.0	0.78 J	<1.0	1.6	<1.0	6.3
	9/14/2017	0.40 J	<1.0	<1.0	0.61 J	<1.0	2.2	14	<1.0
	3/22/2018	<1.0	<1.0	<1.0	<1.0	<1.0	0.53 J	2.8	<0.57
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	7.1	<1.0
	3/20/2019	<10.0	<10.0	<10.0	<10.0	<10.0	<10	3.2 J	<10
	9/23/2019	66	<1.0	<1.0	32	0.25 J	5.1	31	2.6
	3/25/2020	19	<1.0	<1.0	8.3	0.69 J	0.86 J	6.9	0.26 J
	9/14/2020	23	<1.0	0.61 J	22	<1.0	4.7	38	0.30 J
	3/9/2021	7.2	0.55 J	<1.0	3.3	0.21 J	<1.0	2	<1.0
	9/14/2021	200	5	0.61 J	74	30	3.4	36	5.1
	3/9/2022	86	2.1	0.41 J	35	11	1.2	14	1.7
	9/13/2022	27	1.6	<1.0	7.5	0.38 J	1.8	24	<1.0
	3/16/2023	4.4	0.30 J	<1.0	1.0	1.1	0.39 J	5.7	<1.0
	9/11/2023	<1.0	<1.0	<1.0	<1.0	<1.0	1	8.3	<1.0
	3/19/2024	0.34 J	<1.0	<1.0	<1.0	<1.0	0.31 J	4.3	<1.0
	9/16/2024	27	1.0	<1.0	6.1	<1.0	1.5	23	<1.0
TMP-A	3/22/2005	<0.5	<0.5	<0.5	<0.5	<0.5	0.74	0.31 J	0.5
	9/27/2005	<2	<2	<1	<2	<2	<2	<2	<2
	3/7/2006	<5	<5	<5	<5	<5	0.62 J	0.31 J	<5
	5/25/2006	<5	<5	<5	<5	<5	<5	0.35 J	<5
	9/19/2006	<5	<5	<5	<5	<5	0.56 J	0.63 J	<5.0
	4/2/2007	<5	<5	<5	<5	<5	0.80 J	<5	<5
	7/23/2008	<5	<5	<5	<5	<5	<5.0	0.72 J	<5.0
	10/7/2008	<5	<5	<5	<5	<5	<5.0	0.40 J	<5.0
	3/9/2009	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0
	6/9/2009	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0
	9/16/2009	<5	<5	<5	<5	<5	0.51 J	<5.0	<5.0
	3/8/2010	<5	<5	<5	<5	<5	0.46 J	<5.0	<5.0
	10/27/2011	<5	<5	<5	<5	<5	<5.0	0.26 J	<5.0
	3/13/2012	<5.0	<5.0	<5.0	<5.0	<5.0	0.32 J	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.37 J	<5.0
	3/11/2013	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/5/2013	<5.0	<5.0	<5.0	<5.0	<5.0	0.37 J	0.56 J	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.52 J	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.31 J	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.21 J	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0	0.54 J	0.59 J	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.76 J	<1.0
	9/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.83 J	<1.0
	9/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.25 J	<1.0
	9/11/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.40 J	<1.0
	9/16/2024	1.0 J	<1.0	<1.0	1.0 J	1.0 J	0.26 J	0.39 J	<1.0

NOTES:

J = Estimated value; compound detected below Detection Limit.

D = Compound identified in an analysis at a secondary dilution factor

= Baseline result

NS=Not sampled

µg/l = Micrograms per liter

< = Not detected above laboratory reporting limit given

Appendices

Appendix A

VERINA Engineering, P.C.

MONTHLY ISCO INJECTION LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Well ID	MW-8		MW-9		MW-10		MW-11		MW-16		MW-17		Total Injected (gal)	COMMENTS
Date	Water Pink or Purple (Y/N)	ISCO Solution Injected (gal)	Water Pink or Purple (Y/N)	ISCO Solution Injected (gal)	Water Pink or Purple (Y/N)	ISCO Solution Injected (gal)	Water Pink or Purple (Y/N)	ISCO Solution Injected (gal)	Water Pink or Purple (Y/N)	ISCO Solution Injected (gal)	Water Pink or Purple (Y/N)	ISCO Solution Injected (gal)		
1/9/2024	Y		Y		N	5	Y		Y		Y		5.0	Injections completed by MKS, MC, and CB
2/19/2024	Y		N	8	N	5	Y		Y		N	5	18.0	Injections completed by MKS and SB
3/18/2024	Y		Y		Y		Y		Y		Y		0.0	Bailing completed by MAV, RS and AM
4/22/2024	Y		N	5	N	7	N	3	N	5	N	5	25.0	Injections completed by MAV and MC
5/13/2024	Y		Y		Y		Y		Y		Y		0.0	Bailing completed by MAV and RG
6/18/2024	Y		Y		N	5	Y		Y		Y	3	8.0	Injections completed by MC and MR
7/15/2024	Y		Y		Y		Y		Y		Y		0.0	Bailing completed by MAV and LV
8/20/2024	N	5	N	5	N	5	Y		Y		Y		15.0	Injections completed by LV and MS
9/25/2024	Y		Y		N	5	Y		Y		Y		5.0	Injections completed by MKS, KD, MPC
10/14/2024	Y		Y		Y		Y		Y		Y		0.0	Bailing completed by KD and RG.
11/11/2024	Y		Y		Y		Y		Y		Y		0.0	. Bailing completed by AM and RG. MW-10 = Pink
12/17/2024	Y		Y		N	7	Y		Y		N	5	12.0	Injections completed by LV and MS

Appendix B

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-8	Date:	3/20/2024	
Field Personnel:	AM	Weather:	Cloudy, 21-38 F	

PRE-PURGE INFO:

Well Depth (ft btoc):	13.79	Depth to Water (ft btoc):	1.94
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Purple	Mn/MnO4 (mg/L):	1.17
Volume Purged (gal):	3	Sample ID:	MW-8-032024 + DUP-032024
Final Depth to Water (ft btoc):	4.00	Sample Time:	10:25

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
9:25	8.99	7.44	3.370	622.5	10.09	58.3	2.30	1.78	125	
9:30	8.87	7.54	3.389	625.7	11.36	72.5	2.30	1.79	125	
9:35	8.88	7.70	3.315	623.1	10.61	65.4	2.33	1.74	125	
9:40	9.01	7.73	3.298	623.7	11.74	76.8	2.33	1.73	125	
9:45	8.89	7.75	3.098	617.9	9.84	45.9	2.96	1.62	125	
9:50	8.81	7.75	2.987	614.9	8.84	27.3	2.96	1.56	125	
9:55	8.74	7.74	2.909	611.8	6.46	17.0	3.21	1.52	125	
10:00	8.76	7.74	2.900	612.0	7.33	16.9	3.21	1.51	100	
10:05	8.78	7.75	2.894	611.6	6.70	14.2	3.70	1.51	100	
10:10	8.81	7.75	2.883	612.1	6.89	13.8	3.70	1.50	100	
10:15	8.83	7.76	2.868	612.5	6.30	12.8	3.70	1.49	100	
10:20	8.83	7.76	2.820	613.2	6.44	13.8	4.00	1.47	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-9	Date:	3/19/2024	
Field Personnel:	RAS	Weather:	Cloudy, 24-35 F	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.63	Depth to Water (ft btoc):	1.50
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Purple	Mn/MnO4 (mg/L):	0.95
Volume Purged (gal):	4	Sample ID:	MW-9-031924
Final Depth to Water (ft btoc):	1.50	Sample Time:	14:50

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
14:00	9.59	7.04	1.159	651.0	9.26	233	1.50	0.58	200	
14:05	9.29	7.08	1.174	662.0	8.52	136	1.53	0.59	200	
14:10	9.17	7.07	1.166	661.0	8.27	67.3	1.51	0.58	200	
14:15	9.14	7.06	1.152	661.0	8.11	42.5	1.51	0.58	200	
14:20	9.12	7.06	1.140	661.0	7.96	33.9	1.50	0.57	200	
14:25	9.10	7.05	1.125	661.0	7.76	27.8	1.53	0.56	200	
14:30	9.12	7.05	1.119	661.0	7.58	24.1	1.52	0.56	200	
14:35	9.10	7.04	1.115	661.0	7.52	18.6	1.52	0.56	200	
14:40	9.10	7.05	1.109	661.0	7.40	18.4	1.50	0.55	200	
14:45	9.10	7.04	1.107	661.0	7.36	18.0	1.55	0.55	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page	1 of 1
Monitoring Well:	MW-10	Date:	3/19/2024		
Field Personnel:	RAS	Weather:	Cloudy, 24-32 F		

PRE-PURGE INFO:

Well Depth (ft btoc):	13.95	Depth to Water (ft btoc):	2.60
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Pink	Mn/MnO4 (mg/L):	0.43
Volume Purged (gal):	4	Sample ID:	MW-10-031924 + MS/MSD-031924
Final Depth to Water (ft btoc):	2.84	Sample Time:	13:00

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
12:10	8.47	7.05	0.769	575.0	4.88	423	2.60	0.38	200	
12:15	8.49	7.08	0.788	572.0	4.62	348	3.04	0.39	200	
12:20	8.40	7.10	0.770	580.0	4.63	214	3.05	0.38	200	
12:25	8.28	7.08	0.772	586.0	4.61	109	3.06	0.38	200	
12:30	8.22	7.08	0.787	594.0	4.40	70.1	3.07	0.39	200	
12:35	8.20	7.08	0.797	600.0	4.18	62.3	3.07	0.39	200	
12:40	8.23	7.10	0.804	602.0	4.07	39.2	3.01	0.39	200	
12:45	8.23	7.08	0.810	604.0	4.00	29.2	3.01	0.40	200	
12:50	8.22	7.09	0.812	604.0	3.98	27.8	3.02	0.40	200	
12:55	8.19	7.10	0.814	607.0	3.93	27.0	3.00	0.40	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-16	Date:	3/19/2024	
Field Personnel:	AM	Weather:	Cloudy, 24-36 F	

PRE-PURGE INFO:

Well Depth (ft btoc):	13.04	Depth to Water (ft btoc):	1.90
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	9

POST-PURGE INFO:

Color:	Purple	Mn/MnO4 (mg/L):	3.85
Volume Purged (gal):	3	Sample ID:	MW-16-031924
Final Depth to Water (ft btoc):	3.95	Sample Time:	16:55

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
15:55	8.77	7.26	0.295	635.1	13.48	301	1.90	0.15	100	
16:00	8.83	7.31	0.402	644.3	14.43	269	4.05	0.20	125	
16:05	8.90	7.32	0.483	655.1	14.93	208	4.05	0.24	125	
16:10	8.95	7.27	0.772	667.5	15.08	155	4.31	0.39	125	
16:15	8.91	7.39	1.268	672.7	16.01	119	4.31	0.65	125	
16:20	8.96	7.41	1.465	673.8	17.20	115	3.95	0.74	100	
16:25	8.91	7.36	1.625	676.1	16.89	104	3.95	0.83	100	
16:30	8.91	7.33	1.713	677.5	16.48	98.2	3.95	0.88	100	
16:35	8.91	7.39	1.804	678.5	16.06	90.1	3.95	0.92	100	
16:40	8.94	7.47	1.897	679.2	15.95	82.7	3.95	0.98	100	
16:45	8.93	7.45	1.861	680.4	15.66	80.1	3.95	1.12	100	
16:50	8.96	7.55	1.843	680.7	15.59	75.8	3.95	1.18	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-17	Date:	3/19/2024	
Field Personnel:	RAS	Weather:	Cloudy, 24-30 F	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.58	Depth to Water (ft btoc):	1.83
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Purple	Mn/MnO4 (mg/L):	4.93
Volume Purged (gal):	4	Sample ID:	MW-17-031924
Final Depth to Water (ft btoc):	2.41	Sample Time:	11:30

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
10:10	9.31	7.09	0.619	555.3	5.03	367	1.82	0.30	200	
10:15	9.10	7.08	0.635	570.0	3.71	393	1.93	0.31	200	
10:20	8.80	7.07	0.647	577.0	3.00	403	1.75	0.32	200	
10:25	8.69	7.09	0.646	581.0	2.80	479	1.76	0.32	200	
10:30	8.69	7.12	0.649	586.0	2.54	459	1.76	0.32	200	
10:35	9.93	7.13	0.650	594.0	2.61	363	1.78	0.32	200	
10:40	10.08	7.14	0.653	601.0	2.86	376	1.79	0.32	200	
10:45	10.11	7.15	0.663	609.0	3.68	392	3.10	0.32	200	
10:50	10.02	7.17	0.726	620.0	4.08	300	3.33	0.33	200	
10:55	9.81	7.18	0.746	621.0	4.10	290	2.81	0.37	200	
11:00	9.86	7.18	0.773	624.0	4.36	231	2.79	0.38	200	
11:05	9.89	7.19	0.829	628.0	4.53	154	2.61	0.41	200	
11:10	9.96	7.19	0.865	631.0	4.60	134	2.51	0.43	200	
11:15	10.01	7.20	0.888	634.0	4.61	124	2.46	0.44	200	
11:20	9.92	7.19	0.908	635.0	4.63	112	2.43	0.45	200	
11:25	10.02	7.20	0.918	638.0	4.62	114	2.41	0.46	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-6	Date:	9/17/2024	
Field Personnel:	MKS	Weather:	Sunny, 60s	

PRE-PURGE INFO:

Well Depth (ft btoc):	39.78	Depth to Water (ft btoc):	23.00
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	30-40
Pump Used:	QED Sample Pro	Depth of Pump (ft btoc):	~ 35FT

POST-PURGE INFO:

Color:	Clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~ 2.5	Sample ID:	MW-6-091724
Final Depth to Water (ft btoc):	24.50	Sample Time:	10:30

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
9:40	12.24	7.57	0.338	53.0	2.41	37.80	24.00	0.20	110	
9:45	11.97	7.37	0.324	48.0	1.79	35.00	24.10	0.20	110	
9:50	11.83	7.28	0.304	43.0	1.70	31.20	24.16	0.10	110	
9:55	11.81	7.29	0.297	40.0	1.69	29.30	24.20	0.10	110	
10:00	11.85	7.38	0.293	37.0	1.75	26.70	24.30	0.10	110	
10:05	11.87	7.35	0.292	36.0	1.79	24.60	24.30	0.10	110	
10:10	11.85	7.36	0.291	34.0	1.64	17.80	24.35	0.10	110	
10:15	11.87	7.36	0.290	32.0	1.62	15.40	24.40	0.10	110	
10:20	11.88	7.37	0.290	30.0	1.61	13.10	24.40	0.10	110	
10:25	11.90	7.38	0.289	28.0	1.51	12.70	24.50	0.10	110	
10:30	11.94	7.40	0.289	27.0	1.52	12.00	24.50	0.10	110	

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LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-7	Date:	9/17/2024	
Field Personnel:	MKS	Weather:	Sunny, 70s	

PRE-PURGE INFO:

Well Depth (ft btoc):	39.45	Depth to Water (ft btoc):	
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	30-40
Pump Used:	QED Sample Pro	Depth of Pump (ft btoc):	~35

POST-PURGE INFO:

Color:	Clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	2 gal	Sample ID:	MW-7-091724
Final Depth to Water (ft btoc):	33.45	Sample Time:	12:20

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
11:35	22.99	7.11	0.622	57.0	5.56	103.0	29.50	0.40	125	
11:40	18.35	7.30	1.080	87.0	3.22	56.4	30.45	0.50	125	
11:45	14.21	7.35	1.130	78.0	1.94	56.9	31.80	0.60	125	
11:50	13.68	7.38	1.130	77.0	1.94	57.7	32.40	0.60	125	
11:55	13.59	7.36	1.120	76.0	1.93	57.4	32.60	0.60	125	
12:00	14.75	7.38	1.090	72.0	1.74	57.3	32.97	0.50	100	
12:05	15.13	7.39	1.080	68.0	1.90	53.5	33.10	0.50	100	
12:10	15.40	7.40	1.080	64.0	1.95	49.3	33.30	0.50	100	
12:15	15.55	7.40	1.080	62.0	1.97	48.7	33.37	0.50	100	
12:20	15.62	7.41	1.080	61.0	2.02	48.2	33.45	0.50	100	

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LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-8	Date:	9/17/2024	
Field Personnel:	MAV	Weather:	Sunny, 55-71	

PRE-PURGE INFO:

Well Depth (ft btoc):	13.72	Depth to Water (ft btoc):	2.30
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Purple	Mn/MnO4 (mg/L):	19.2
Volume Purged (gal):	3	Sample ID:	MW-8-091724
Final Depth to Water (ft btoc):	4.96	Sample Time:	13:05

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
11:55	22.14	6.73	2.729	674.9	39.49	115.00	2.42	1.47	100	
12:00	20.83	6.61	2.888	680.4	22.56	91.40	2.69	1.49	240	
12:05	20.56	6.56	2.368	678.8	18.53	54.40	3.88	1.16	240	
12:10	21.28	6.55	1.637	681.1	13.90	44.50	2.91	0.81	200	
12:15	21.31	6.52	1.460	681.8	11.72	35.60	3.00	0.72	200	
12:20	21.12	6.42	1.160	682.8	9.02	22.00	3.29	0.56	200	
12:25	21.05	6.37	1.094	684.1	7.34	13.50	4.19	0.55	200	
12:30	21.09	6.41	1.131	686.3	7.04	13.00	4.25	0.55	160	
12:35	21.10	6.43	1.146	687.0	6.93	11.60	4.27	0.57	160	
12:40	21.11	6.54	1.211	689.9	6.86	14.00	4.40	0.60	160	
12:45	21.02	6.57	1.211	690.5	7.40	13.30	4.48	0.60	160	
12:50	21.19	6.54	1.191	689.4	7.31	9.32	4.65	0.59	160	
12:55	21.29	6.50	1.232	689.3	7.26	9.81	4.70	0.62	160	
13:00	21.33	6.49	1.231	689.7	7.25	9.97	4.85	0.63	160	

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LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-9	Date:	9/16/2024	
Field Personnel:	MKS	Weather:	Sunny, 65s	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.31	Depth to Water (ft btoc):	2.65
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

Color:	Purple	Mn/MnO4 (mg/L):	2.40
Volume Purged (gal):	2.5	Sample ID:	MW-9-091624
Final Depth to Water (ft btoc):	2.68	Sample Time:	12:50

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
11:10	19.58	6.89	2.081	654.3	4.69	119.00	2.70	0.82	150	
11:15	20.38	6.89	1.942	654.8	5.05	110.00	2.68	0.82	150	
11:20	20.81	6.89	1.766	656.8	4.38	97.60	2.68	0.82	150	
11:25	20.80	6.87	1.620	657.4	3.87	69.00	2.69	0.81	150	
11:30	20.76	6.87	1.594	658.3	3.77	58.80	2.70	0.80	120	
11:35	20.81	6.86	1.562	658.2	3.59	54.30	2.71	0.79	120	
11:40	20.82	6.85	1.540	685.8	3.46	46.90	2.71	0.78	120	
11:45	20.74	6.84	1.511	660.7	3.27	32.80	2.13	0.76	120	
11:50	20.81	6.83	1.499	662.1	3.11	28.70	2.69	0.76	120	
11:55	20.77	6.81	1.488	663.1	2.91	23.20	2.69	0.75	120	
12:00	20.84	6.80	1.480	665.3	2.80	14.60	2.71	0.74	120	
12:05	20.95	6.79	1.473	666.4	2.65	12.00	2.68	0.74	120	
12:10	20.84	6.78	1.465	667.0	2.58	10.70	2.67	0.74	120	
12:15	20.94	6.77	1.458	668.4	2.47	9.02	2.72	0.73	120	
12:20	21.07	6.77	1.453	669.8	2.37	7.89	2.72	0.73	120	
12:25	20.91	6.76	1.454	671.0	2.22	6.68	2.70	0.73	120	
12:30	20.96	6.76	1.451	673.7	2.04	5.97	2.70	0.73	120	
12:35	20.90	6.76	1.450	674.6	2.03	5.02	2.70	0.73	120	
12:40	20.91	6.76	1.444	673.9	2.02	4.68	2.70	0.73	120	
12:45	20.98	6.76	1.444	674.5	2.03	4.95	2.68	0.73	120	

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LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-10	Date:	9/16/2024	
Field Personnel:	MAV	Weather:	Sunny, 55-78	

PRE-PURGE INFO:

Well Depth (ft btoc):	13.86	Depth to Water (ft btoc):	3.64
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Orange/Brown (Light)	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	6.5	Sample ID:	MW-10-091624
Final Depth to Water (ft btoc):	3.70	Sample Time:	17:45

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
16:00	21.78	6.86	0.950	401.1	3.57	320.0	3.70	0.47	240	
16:05	21.10	6.89	0.957	444.4	2.43	141.0	3.85	0.47	200	
16:10	20.99	6.89	0.958	457.1	2.33	85.4	3.90	0.47	200	
16:15	20.89	6.90	0.960	483.9	2.22	55.6	3.91	0.47	200	
16:20	20.90	6.90	0.961	497.3	2.09	42.0	3.90	0.47	200	
16:25	20.81	6.90	0.962	521.4	1.99	26.1	3.91	0.48	200	
16:30	20.75	6.90	0.964	539.7	1.73	18.4	3.91	0.48	200	
16:35	20.66	6.91	0.966	572.6	1.41	14.0	3.93	0.48	200	
16:40	20.65	6.91	0.967	577.1	1.41	13.8	3.93	0.48	200	
16:45	20.59	6.91	0.966	580.7	1.43	12.5	3.94	0.48	200	
16:50	20.58	6.91	0.966	587.3	1.39	9.77	3.94	0.48	200	
16:55	20.55	6.92	0.968	605.3	1.31	10.5	3.90	0.48	200	
17:00	20.54	6.92	0.967	617.4	1.26	26.2	3.93	0.48	200	
17:05	20.48	6.93	0.967	625.6	1.25	13.2	3.91	0.48	200	
17:10	20.49	6.93	0.967	627.0	1.27	11.7	3.95	0.48	200	
17:15	20.46	6.93	0.966	634.8	1.22	8.30	3.95	0.48	200	
17:20	20.46	6.93	0.965	638.5	1.21	7.84	3.95	0.48	200	
17:25	20.43	6.93	0.966	643.1	1.18	4.81	3.93	0.48	200	
17:30	20.41	6.93	0.966	643.9	1.17	4.00	3.94	0.48	200	
17:35	20.41	6.93	0.964	645.5	1.16	3.81	3.97	0.48	200	
17:40	20.38	6.94	0.964	647.1	1.16	3.67	3.95	0.48	200	

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LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-11	Date:	9/17/2024	
Field Personnel:	MPC	Weather:	Sunny, 80's	

PRE-PURGE INFO:

Well Depth (ft btoc):	18.77	Depth to Water (ft btoc):	2.89
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	10 - 20
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	~15

POST-PURGE INFO:

Color:	Purple	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	5	Sample ID:	MW-11-091724
Final Depth to Water (ft btoc):	13.61	Sample Time:	14:10

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
12:05	19.02	8.18	3.300	625.1	15.76	63.40	0.94	1.75	420	
12:10	18.74	7.97	2.914	653.6	2.10	143.0	6.42	1.48	160	
12:15	18.91	7.96	2.089	652.0	3.48	57.50	2.63	1.06	160	
12:20	19.06	7.97	1.918	653.7	7.39	30.00	6.74	0.98	170	
12:25	19.08	7.97	1.849	655.1	8.02	20.90	10.96	0.94	200	
12:30	18.91	8.00	1.870	656.1	8.91	36.70	11.06	0.95	160	
12:35	18.75	8.06	1.992	655.0	15.40	52.30	11.15	1.02	160	
12:40	18.99	8.08	2.170	657.7	16.62	65.30	11.16	1.12	160	
12:45	18.95	8.08	2.190	658.4	13.89	50.30	11.16	1.13	160	
12:50	19.01	8.08	2.304	659.9	18.60	39.30	11.17	1.19	160	
12:55	18.90	8.09	2.319	660.4	15.94	31.30	11.17	1.20	160	
13:05	18.79	8.09	2.328	656.6	22.03	27.80	11.22	1.20	160	
13:10	18.80	8.10	2.305	659.5	17.32	17.20	11.22	1.19	160	
13:15	18.66	8.17	2.139	659.1	18.85	6.31	11.54	1.09	200	
13:20	18.64	8.24	2.943	656.0	19.66	3.67	11.76	0.99	200	
13:25	18.55	8.29	1.895	653.1	20.88	3.68	11.90	0.97	200	
13:30	18.54	8.28	1.993	651.3	24.72	4.95	12.11	1.03	200	
13:35	18.47	8.27	2.090	649.6	25.49	4.81	12.22	1.08	200	
13:40	18.46	8.25	2.193	651.8	24.33	7.70	12.40	1.13	200	
13:45	18.44	8.24	2.278	659.0	28.10	10.60	12.52	1.18	200	
13:50	18.40	8.24	2.363	661.2	24.35	11.10	12.68	1.22	200	
13:55	18.34	8.23	2.484	662.2	32.86	15.30	13.03	1.29	200	
14:00	18.26	8.24	2.534	662.6	30.68	24.50	13.22	1.32	200	
14:05	18.38	8.23	2.504	664.7	32.46	25.30	13.61	1.29	200	

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LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-13	Date:	9/17/2024	
Field Personnel:	MPC	Weather:	Sunny, 80s	

PRE-PURGE INFO:

Well Depth (ft btoc):	13.75	Depth to Water (ft btoc):	4.49
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	10	Sample ID:	MW-13-091724
Final Depth to Water (ft btoc):	8.70	Sample Time:	16:55

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
14:55	19.63	6.79	2.083	278.3	17.95	5.68	4.51	1.06	400	
15:00	19.75	6.97	1.404	285.5	12.30	3.96	5.47	0.69	500	
15:05	19.52	6.92	1.613	306.9	15.56	1.34	5.80	0.82	100	
15:10	19.42	6.89	1.759	308.5	11.25	0.72	6.98	0.90	100	
15:15	Solving YSI issues									
15:20	19.28	6.88	1.901	308.7	11.36	0.71	3.38	0.97	115	
15:25	19.26	6.88	1.878	315.8	10.12	0.62	5.43	0.96	105	
15:30	19.39	6.88	1.884	296.1	9.08	0.89	6.82	0.96	200	
15:35	19.21	6.96	1.792	313.0	8.34	0.91	12.30	0.91	200	
15:40	19.22	6.99	1.755	320.0	9.22	10.5	7.37	0.89	400	
15:45	19.26	7.00	1.737	327.0	10.89	4.81	7.49	0.88	300	
15:50	19.25	6.99	1.746	329.2	11.23	2.35	7.52	0.89	460	
15:55	19.25	6.99	1.730	335.1	10.18	1.52	7.52	0.88	400	
16:00	19.26	6.99	1.728	344.2	14.84	0.92	7.82	0.88	300	
16:05	19.22	6.99	1.719	349.0	14.03	1.15	7.92	0.87	400	
16:10	19.15	6.99	1.719	354.8	15.32	1.76	7.98	0.87	400	
16:15	19.18	8.69	6.393	317.1	94.10	1.28	7.56	3.50	400	
16:20	19.10	7.73	6.455	308.2	84.70	1.37	7.57	3.54	400	
16:25	19.02	9.08	6.001	306.9	100.10	2.25	7.87	3.28	400	
16:30	18.97	8.81	6.110	311.3	96.90	2.16	7.98	3.34	400	
16:35	18.95	8.58	6.213	317.1	92.00	0.91	8.5	3.40	440	
16:40	18.94	8.11	6.237	319.8	88.10	2.56	8.27	3.42	440	
16:45	18.91	7.69	6.273	322.0	84.10	2.35	8.33	3.44	440	
16:50	18.86	7.32	6.318	324.0	80.20	2.15	8.55	3.46	440	
16:55	18.82	7.09	6.357	326.3	77.80	1.69	8.62	3.48	440	

VERINA

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-14	Date:	9/16/2024	
Field Personnel:	MKS	Weather:	Sunny 80's	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.18	Depth to Water (ft btoc):	0.70
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	0.30	Sample ID:	MW-14-091624
Final Depth to Water (ft btoc):	3.75	Sample Time:	15:40

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
14:55	22.54	7.27	0.574	79.2	3.20	26.8	1.05	0.28	150	
15:00	22.20	7.20	0.572	81.4	2.91	32.6	1.82	0.28	150	
15:05	20.81	7.20	0.562	75.6	1.73	42.7	2.23	0.27	150	
15:10	20.87	7.22	0.560	72.4	1.57	39.8	2.97	0.27	150	
15:15	21.18	7.30	0.561	66.2	1.55	36.8	3.31	0.27	150	
15:20	21.22	7.31	0.560	65.3	1.65	31.8	3.48	0.27	150	
15:25	22.37	7.36	0.559	62.8	2.05	27.2	3.52	0.27	150	
15:30	22.92	7.41	0.558	52.5	2.20	18.0	3.61	0.27	150	
15:35	23.44	7.40	0.559	51.8	2.17	18.5	3.70	0.27	150	
15:40	23.21	7.38	0.561	51.9	2.25	18.6	3.72	0.27	150	

VERINA

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-16	Date:	9/17/2024	
Field Personnel:	MAV	Weather:	Sunny, 51-77's	

PRE-PURGE INFO:

Well Depth (ft btoc):	12.95	Depth to Water (ft btoc):	2.61
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Purple	Mn/MnO4 (mg/L):	20.0
Volume Purged (gal):	1.5	Sample ID:	MW-16-091724
Final Depth to Water (ft btoc):	3.56	Sample Time:	10:35

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	5%	10%	0.3 ft		100 - 500	
10:00	19.47	7.28	5.795	621.9	32.91	374.0	3.15	3.06	120	
10:05	19.52	7.34	4.564	628.2	32.51	251.0	3.53	2.41	120	
10:10	19.24	7.19	5.106	652.3	30.15	209.0	3.80	2.71	120	
10:15	19.36	7.20	5.841	658.0	29.46	161.0	3.89	3.24	100	
10:20	19.42	7.31	8.525	665.2	30.03	113.0	3.89	4.79	100	
10:25	19.45	7.31	8.576	665.3	29.82	109.0	3.89	4.79	100	
10:30	19.60	7.35	8.708	664.7	29.63	106.0	3.89	4.88	100	

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LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-17	Date:	9/16/2024	
Field Personnel:	MAV	Weather:	Sunny, 55-78's	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.45	Depth to Water (ft btoc):	2.30
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5 - 15
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	10

POST-PURGE INFO:

Color:	Purple	Mn/MnO4 (mg/L):	9.0
Volume Purged (gal):	1.5	Sample ID:	MW-17-091624
Final Depth to Water (ft btoc):	3.05	Sample Time:	14:55

1WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
14:05	21.16	7.15	1.193	645.2	14.88	237.0	3.23	0.59	150	
14:10	20.89	7.13	1.107	656.9	12.99	226.0	3.26	0.55	160	
14:15	21.41	7.13	1.039	659.7	12.00	247.0	3..27	0.51	160	
14:20	21.09	7.12	1.042	661.3	11.81	244.0	3.29	0.52	160	
14:25	20.99	7.11	1.071	664.5	11.71	187.0	3.33	0.53	160	
14:30	21.21	7.09	1.185	668.5	11.35	109.0	3.37	0.59	160	
14:35	21.13	7.09	1.207	669.3	11.23	91.4	3.38	0.60	160	
14:40	21.01	7.09	1.229	669.5	11.03	85.4	3.39	0.61	160	
14:45	20.95	7.08	1.233	669.7	10.95	82.5	3.42	0.62	160	
14:50	21.02	7.08	1.243	670.4	10.75	78.3	3.45	0.62	160	

VERINA

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	TMP-A	Date:	9/16/2024	
Field Personnel:	MKS	Weather:	Sunny 70's	

PRE-PURGE INFO:

Well Depth (ft btoc):	7.15	Depth to Water (ft btoc):	2.70
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	3 - 8
Pump Used:	0.75" Bladder	Depth of Pump (ft btoc):	6

POST-PURGE INFO:

Color:	Clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	0.5	Sample ID:	TMP-A-091624
Final Depth to Water (ft btoc):	3.50	Sample Time:	14:10

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
13:25	25.64	7.26	1.298	-15.5	2.85	94.0	3.00	0.64	100	
13:30	24.54	7.23	1.280	-10.6	1.48	98.2	3.06	0.84	100	
13:35	24.75	7.19	1.387	1.4	1.22	62.9	3.09	0.70	100	
13:40	24.82	7.14	1.432	10.2	1.06	37.8	3.12	0.72	100	
13:45	24.68	7.12	1.504	9.2	1.01	29.1	3.25	0.75	100	
13:50	24.77	7.11	1.556	7.1	0.99	7.27	3.50	0.78	100	
13:55	24.99	7.09	1.551	5.1	0.97	5.92	3.50	0.78	100	
14:00	25.92	7.09	1.555	2.2	1.01	5.67	3.50	0.78	100	
14:05	25.80	7.10	1.557	2.7	1.01	5.65	3.50	0.78	100	
14:10	25.93	7.12	1.560	3.5	1.02	6.62	3.50	0.78	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	DMW-3	Date:	9/17/2024	
Field Personnel:	MPC	Weather:	Sunny, 60s/70s	

PRE-PURGE INFO:

Well Depth (ft btoc):	34.24	Depth to Water (ft btoc):	20.11
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	41 - 48
Pump Used:	1.75" Bladder	Depth of Pump (ft btoc):	48

POST-PURGE INFO:

Color:	Clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	2	Sample ID:	DMW-3-091724
Final Depth to Water (ft btoc):	48.26	Sample Time:	10:35

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
9:25	16.09	11.97	0.454	-114.3	7.58	4.73	20.11	0.23	120	
9:30	15.93	12.14	0.525	-117.3	7.30	5.83	20.11	0.26	120	
9:35	15.86	12.24	0.571	-120.1	6.67	7.81	20.11	0.28	125	
9:40	15.84	12.28	0.589	-116.0	7.18	9.24	20.11	0.29	125	
9:45	15.84	12.29	0.597	-110.6	7.02	12.4	24.26	0.29	130	
9:50	15.85	12.30	0.606	-106.4	6.40	10.5	24.98	0.30	130	
9:55	15.93	12.30	0.613	-103.4	6.59	6.35	25.39	0.30	240	
10:00	16.22	12.29	0.616	-98.8	6.57	9.37	25.39	0.30	100	
10:05	16.20	12.29	0.617	-96.7	6.46	7.36	27.72	0.30	125	
10:10	16.18	12.29	0.618	-94.7	6.41	6.22	28.12	0.30	100	
10:15	16.21	12.29	0.619	-91.7	7.02	6.95	29.18	0.30	100	
10:20	16.24	12.29	0.618	-89.3	6.54	4.52	29.42	0.30	105	
10:25	16.24	12.29	0.616	-87.0	6.73	4.66	30.37	0.30	100	
10:30	16.22	12.29	0.613	-86.2	6.82	4.34	31.48	0.30	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover - Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	DMW-4	Date:	9/16/2024	
Field Personnel:	MKS + MPC	Weather:	Sunny 80's	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.00	Depth to Water (ft btoc):	4.89
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	4 - 14
Pump Used:	2" Bladder	Depth of Pump (ft btoc):	9

POST-PURGE INFO:

Color:	Clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	5	Sample ID:	DMW-4-091624
Final Depth to Water (ft btoc):	5.00	Sample Time:	18:30

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
16:25	22.63	6.78	1.518	83.3	4.69	103.00	4.90	0.78	125	
16:30	21.60	6.75	1.554	80.9	3.63	90.70	4.90	0.79	125	
16:35	21.19	6.74	1.562	78.5	3.45	90.70	4.95	0.79	125	
16:40	20.97	6.77	1.561	77.9	3.39	71.00	4.95	0.79	125	
16:45	20.84	6.79	1.554	78.7	3.37	42.10	4.98	0.78	125	
16:50	20.75	6.78	1.542	80.8	3.33	38.70	4.98	0.78	125	
16:55	20.65	6.78	1.536	83.7	3.31	38.40	4.98	0.77	125	
17:00	20.60	6.70	1.536	91.0	3.25	28.40	4.98	0.77	125	
17:05	20.56	6.67	1.539	94.8	3.21	101.00	4.98	0.78	125	
17:10	20.55	6.67	1.547	97.6	3.15	4.05	4.98	0.78	125	
17:15	20.47	6.66	1.555	100.3	3.08	3.47	4.98	0.79	125	
17:20	20.46	6.66	1.561	102.5	3.03	2.77	4.98	0.79	125	
17:25	20.39	6.68	1.565	104.2	3.00	2.73	4.98	0.79	125	
17:30	20.35	6.68	1.570	106.1	2.98	2.91	4.98	0.79	125	
17:35	20.35	6.68	1.573	106.7	2.94	2.42	4.98	0.79	125	
17:40	20.32	6.69	1.576	108.3	2.91	3.53	4.98	0.80	125	
17:45	Solving YSI Issues									
17:50	20.28	6.68	1.582	112.9	2.87	1.90	4.98	0.80	125	
17:55	20.25	6.68	1.584	114.4	2.86	3.91	4.98	0.80	125	
18:00	20.21	6.68	1.586	117.7	2.84	3.88	4.98	0.80	125	
18:05	20.20	6.67	1.585	120.0	2.83	3.39	4.98	0.80	125	
18:10	20.18	6.68	1.587	122.5	2.80	3.23	4.98	0.80	125	
18:15	20.16	6.67	1.586	124.5	2.79	4.47	4.98	0.80	125	
18:20	20.11	6.68	1.586	126.6	2.79	2.73	4.98	0.80	125	
18:25	20.09	6.68	1.587	128.4	2.79	2.40	4.98	0.80	125	

Appendix C

March 27, 2024 Service Request No:R2402277

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

Laboratory Results for: Dover Binghamton

Dear Ms.MacCarter, LSRP,

Enclosed are the results of the sample(s) submitted to our laboratory March 21, 2024
For your reference, these analyses have been assigned our service request number **R2402277.**

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

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

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Janice Jaeger
Project Manager

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ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
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ALS Environmental

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

Service Request: R2402277
Date Received: 03/21/2024

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.
Manual Integrations may have been used in the quantitation of the results in this report. Manual Integrations are readily identified in the raw data on the Quantitation Reports (Organics) by the automatic placement of an “m” next to the sample result. For Ion Chromatography, the manual integrations are identified by the automatic placement of “manipulated” or "manually integrated" in the upper left corner of the chromatogram (Hexavalent Chromium) or “M” by the result in the “Type” column (anions). The reason for the manual integration is noted on the “after” chromatogram, which is found with the original chromatogram and quantitation report. All integrations follow the lab SOP ADM-INT “Manual Integration.”

Sample Receipt:

Nine water samples were received for analysis at ALS Environmental on 03/21/2024. 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 03/27/2024

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

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2402277-001	TB-031924	3/19/2024	0000
R2402277-002	MW-17-031924	3/19/2024	1130
R2402277-003	MW-10-031924	3/19/2024	1300
R2402277-004	MW-9-031924	3/19/2024	1450
R2402277-005	FB-031924	3/19/2024	1530
R2402277-006	MW-16-031924	3/19/2024	1655
R2402277-007	FB-032024	3/20/2024	0945
R2402277-008	MW-8-032024	3/20/2024	1025
R2402277-009	DUP-032024	3/20/2024	0000

Chain of Custody / Analytical Request Form

69212

SR#:

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

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Verina Consulting Group	Project Name: Dover Binghamton
Contact: Savan MacCarter	Project Number: 5101.0003
Email: Smaccarter@vcg-llc.com	ALS Quote #:
Phone: 908-864-4400	Sampler's Signature: Michael Valenzi
Address: 1011 US-22 W	Email CC:
Bridgewater, NJ ~~USA~~ 08807	Email CC:
United States	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	SSPL VOCs					Notes:
	TB - 031924	3/19/24	00:00	GW	2									X					1
	MW-17 - 031924	3/19/24	11:30	GW	3									X					0
	MW-10 - 031924	3/19/24	13:00	GW	3									X					0
	MS/MSD - 031924	3/19/24	13:00	GW	3	X								X					0
	MS/MSD - 031924	3/19/24	13:00	GW	3	X								X					0
	MW-9 - 031924	3/19/24	14:50	GW	3									X					0
	FB - 031924	3/19/24	15:30	GW	3									X					1
	MW-16 - 031924	3/19/24	16:55	GW	3									X					0
	FB - 032024	3/20/24	09:45	GW	3									X					1
	MW-8 - 032024	3/20/24	10:25	GW	3									X					0

Special Instructions / Comments:
- Sodium Thiosulfate added to all unpreserved Samples
- SSPL VOCs = "1,1-DCA", "1,1-DCE", "cis-1,2-DCE", "trans-1,2-DCE", "PCE", "TCE", "1,1,1-TCA", "VC"

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

Report Requirements
X Tier II/Cat A -Results/QC
____Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: NYSDEC EQUIS

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (X) Same as Report To

PO #: 5101.0003
Company: Verina Consulting Group
Contact: Savan MacCarter
Email: Smaccarter@vcg-llc.com
Phone: 908-864-4400
Address: 1011 US-22 W
Bridgewater NJ 08807

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Michael Valenzi	RCal				
Printed Name	Michael Valenzi	Remy Cabo				
Company	VERINA	ALS				
Date/Time	3/20/24 11:00	3/21/24 815				

R2402277 5
Verina Consulting Group, LLC
Dover Binghamton

Distribution: White - Lab Copy; Yellow - Return to Originator

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Chain of Custody / Analytical Request Form

69211

SR#:

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

Report To:

Company: Verina consulting Group
Contact: Savan MacCarter
Email: Smaccarter@vcg-llc.com
Phone: 908-864-4400
Address: 1011 US-22 W
Bridgewater NJ, 08807

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER

Project Name: Dover Binghamton
Project Number: 5101.0003
ALS Quote #:
Sampler's Signature:
Email CC:
Email CC:
State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	SSPL VOCs					Notes:
	DUP-032024	3/20/24	00:00	GW	3									X					0

Special Instructions / Comments:

- Sodium thiosulfate added to all unpreserved samples
- SSPL VOCs = "1,1-DCA", "1,1-DCE", "cis-1,2-DCE", "trans-1,2-DEE", "PCE", "TCE", "1,1,1-TCA", "VC"

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

X Tier II/Cat A -Results/QC
____Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: NYSDEC EQuIS

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (X Same as Report To)

PO #: 5101.0003
Company: Verina consulting Group
Contact: Savan MacCarter
Email: Smaccarter@vcg-llc.com
Phone: 908-864-4400
Address: 1011 US-22 W
Bridgewater NJ, 08807

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Michael Vagnini	Remy Rubin				
Company	VERINA	ALS				
Date/Time	3/20/24 11:00	3/21/24 815				

Distribution: White - Lab Copy; Yellow - Return to Originator

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R2402277 5
Verina Consulting Group, LLC
Dover Binghamton

Cooler Receipt and Preservation Check Form

Project/Client Verina Consulting Group Folder Number _____

Cooler received on 3/21/24 by: RR COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk, or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 3/21/24 Time: 827 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	5.4						
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: SMO by RR on 3/21 at 0830
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: _____ Time: _____ by: _____

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

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample-ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_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 $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	24006976	11/26				

Bottle lot numbers: 012224-3AXH, 010124-3AWA
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: KC
PC Secondary Review: _____

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

Miscellaneous Forms

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

REPORT QUALIFIERS AND DEFINITIONS

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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	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.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: 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 Accreditations[1]

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

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

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

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

Client: Verina Consulting Group, LLC
Project: Dover Binghamton/5101.0003
Service Request: R2402277

Sample Name: TB-031924
Lab Code: R2402277-001
Sample Matrix: Water
Date Collected: 03/19/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-17-031924
Lab Code: R2402277-002
Sample Matrix: Water
Date Collected: 03/19/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-10-031924
Lab Code: R2402277-003
Sample Matrix: Water
Date Collected: 03/19/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-9-031924
Lab Code: R2402277-004
Sample Matrix: Water
Date Collected: 03/19/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: FB-031924
Lab Code: R2402277-005
Sample Matrix: Water
Date Collected: 03/19/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client: Verina Consulting Group, LLC
Project: Dover Binghamton/5101.0003
Service Request: R2402277

Sample Name: MW-16-031924
Lab Code: R2402277-006
Sample Matrix: Water
Date Collected: 03/19/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: FB-032024
Lab Code: R2402277-007
Sample Matrix: Water
Date Collected: 03/20/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-8-032024
Lab Code: R2402277-008
Sample Matrix: Water
Date Collected: 03/20/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: DUP-032024
Lab Code: R2402277-009
Sample Matrix: Water
Date Collected: 03/20/24
Date Received: 03/21/24

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

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

Volatile Organic Compounds by GC/MS

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

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 00:00
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	TB-031924	**Units:**	ug/L
Lab Code:	R2402277-001	**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	03/25/24 15:06	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/25/24 15:06	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/25/24 15:06	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/25/24 15:06	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/25/24 15:06	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/25/24 15:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/25/24 15:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/25/24 15:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	03/25/24 15:06	
Dibromofluoromethane	96	80 - 116	03/25/24 15:06	
Toluene-d8	101	87 - 121	03/25/24 15:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 15:30
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	FB-031924	**Units:**	ug/L
Lab Code:	R2402277-005	**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	03/25/24 15:28	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/25/24 15:28	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/25/24 15:28	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/25/24 15:28	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/25/24 15:28	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/25/24 15:28	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/25/24 15:28	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/25/24 15:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/25/24 15:28	
Dibromofluoromethane	94	80 - 116	03/25/24 15:28	
Toluene-d8	99	87 - 121	03/25/24 15:28	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/20/24 09:45
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	FB-032024	**Units:**	ug/L
Lab Code:	R2402277-007	**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	03/25/24 15:51	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/25/24 15:51	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/25/24 15:51	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/25/24 15:51	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/25/24 15:51	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/25/24 15:51	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/25/24 15:51	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/25/24 15:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/25/24 15:51	
Dibromofluoromethane	92	80 - 116	03/25/24 15:51	
Toluene-d8	100	87 - 121	03/25/24 15:51	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/20/24 10:25
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-8-032024	**Units:**	ug/L
Lab Code:	R2402277-008	**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**	**J**	13	0.50	2.5	03/25/24 16:13	
1,1-Dichloroethane (1,1-DCA)	**2.0**	**J**	13	0.50	2.5	03/25/24 16:13	
1,1-Dichloroethene (1,1-DCE)	**3.1**	**J**	13	0.50	2.5	03/25/24 16:13	
Tetrachloroethene (PCE)	13	U	13	0.53	2.5	03/25/24 16:13	
Trichloroethene (TCE)	**400**		13	0.50	2.5	03/25/24 16:13	
Vinyl Chloride	13	U	13	0.50	2.5	03/25/24 16:13	
cis-1,2-Dichloroethene	**260**		13	0.58	2.5	03/25/24 16:13	
trans-1,2-Dichloroethene	13	U	13	0.50	2.5	03/25/24 16:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/25/24 16:13	
Dibromofluoromethane	96	80 - 116	03/25/24 16:13	
Toluene-d8	103	87 - 121	03/25/24 16:13	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/20/24 00:00
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	DUP-032024	**Units:**	ug/L
Lab Code:	R2402277-009	**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**	**J**	13	0.50	2.5	03/25/24 16:45	
1,1-Dichloroethane (1,1-DCA)	**2.2**	**J**	13	0.50	2.5	03/25/24 16:45	
1,1-Dichloroethene (1,1-DCE)	**3.1**	**J**	13	0.50	2.5	03/25/24 16:45	
Tetrachloroethene (PCE)	13	U	13	0.53	2.5	03/25/24 16:45	
Trichloroethene (TCE)	**380**		13	0.50	2.5	03/25/24 16:45	
Vinyl Chloride	13	U	13	0.50	2.5	03/25/24 16:45	
cis-1,2-Dichloroethene	**250**		13	0.58	2.5	03/25/24 16:45	
trans-1,2-Dichloroethene	13	U	13	0.50	2.5	03/25/24 16:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/25/24 16:45	
Dibromofluoromethane	95	80 - 116	03/25/24 16:45	
Toluene-d8	103	87 - 121	03/25/24 16:45	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 11:30
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-17-031924	**Units:**	ug/L
Lab Code:	R2402277-002	**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)	**0.31 J**	1.0	0.20	1	03/22/24 21:47	
1,1-Dichloroethane (1,1-DCA)	**4.3**	1.0	0.20	1	03/22/24 21:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 21:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/22/24 21:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/22/24 21:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 21:47	
cis-1,2-Dichloroethene	**0.34 J**	1.0	0.23	1	03/22/24 21:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 21:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/22/24 21:47	
Dibromofluoromethane	92	80 - 116	03/22/24 21:47	
Toluene-d8	99	87 - 121	03/22/24 21:47	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 13:00
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-10-031924	**Units:**	ug/L
Lab Code:	R2402277-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.39 J**	1.0	0.20	1	03/22/24 22:09	
1,1-Dichloroethane (1,1-DCA)	**0.32 J**	1.0	0.20	1	03/22/24 22:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 22:09	
Tetrachloroethene (PCE)	**0.32 J**	1.0	0.21	1	03/22/24 22:09	
Trichloroethene (TCE)	**3.2**	1.0	0.20	1	03/22/24 22:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 22:09	
cis-1,2-Dichloroethene	**0.93 J**	1.0	0.23	1	03/22/24 22:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 22:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/22/24 22:09	
Dibromofluoromethane	92	80 - 116	03/22/24 22:09	
Toluene-d8	100	87 - 121	03/22/24 22:09	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 14:50
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-9-031924	**Units:**	ug/L
Lab Code:	R2402277-004	**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	03/22/24 22:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/22/24 22:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 22:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/22/24 22:31	
Trichloroethene (TCE)	**3.0**	1.0	0.20	1	03/22/24 22:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 22:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/22/24 22:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 22:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/22/24 22:31	
Dibromofluoromethane	91	80 - 116	03/22/24 22:31	
Toluene-d8	99	87 - 121	03/22/24 22:31	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 16:55
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-16-031924	**Units:**	ug/L
Lab Code:	R2402277-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**4.0**	1.0	0.20	1	03/22/24 22:53	
1,1-Dichloroethane (1,1-DCA)	**11**	1.0	0.20	1	03/22/24 22:53	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 22:53	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/22/24 22:53	
Trichloroethene (TCE)	**3.2**	1.0	0.20	1	03/22/24 22:53	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 22:53	
cis-1,2-Dichloroethene	**13**	1.0	0.23	1	03/22/24 22:53	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 22:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/22/24 22:53	
Dibromofluoromethane	93	80 - 116	03/22/24 22:53	
Toluene-d8	101	87 - 121	03/22/24 22:53	

QC Summary Forms

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

Volatile Organic Compounds by GC/MS

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

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton/5101.0003
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
TB-031924	R2402277-001	96	96	101
FB-031924	R2402277-005	91	94	99
FB-032024	R2402277-007	91	92	100
MW-8-032024	R2402277-008	95	96	103
DUP-032024	R2402277-009	94	95	103
Lab Control Sample	RQ2403036-03	96	97	101
Method Blank	RQ2403036-04	93	95	101

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	03/25/24 12:20
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-14
Lab Code:	RQ2403036-04	**File ID:**	I:\ACQUDATA\MSVOA14\Data\032524\F9017.D\
Analysis Method:	8260C	**Analysis Lot:**	835815
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2403036-03	I:\ACQUDATA\MSVOA14\Data\032524\F9014.D\	03/25/24 11:13
TB-031924	R2402277-001	I:\ACQUDATA\MSVOA14\Data\032524\F9024.D\	03/25/24 15:06
FB-031924	R2402277-005	I:\ACQUDATA\MSVOA14\Data\032524\F9025.D\	03/25/24 15:28
FB-032024	R2402277-007	I:\ACQUDATA\MSVOA14\Data\032524\F9026.D\	03/25/24 15:51
MW-8-032024	R2402277-008	I:\ACQUDATA\MSVOA14\Data\032524\F9027.D\	03/25/24 16:13
DUP-032024	R2402277-009	I:\ACQUDATA\MSVOA14\Data\032524\F9028.D\	03/25/24 16:45

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2403036-04	**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	03/25/24 12:20	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/25/24 12:20	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/25/24 12:20	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/25/24 12:20	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/25/24 12:20	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/25/24 12:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/25/24 12:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/25/24 12:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/25/24 12:20	
Dibromofluoromethane	95	80 - 116	03/25/24 12:20	
Toluene-d8	101	87 - 121	03/25/24 12:20	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	03/25/24 11:13
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-14
Lab Code:	RQ2403036-03	**File ID:**	I:\ACQUDATA\MSVOA14\Data\032524\F9014.D\
Analysis Method:	8260C	**Analysis Lot:**	835815
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2403036-04	I:\ACQUDATA\MSVOA14\Data\032524\F9017.D\	03/25/24 12:20
TB-031924	R2402277-001	I:\ACQUDATA\MSVOA14\Data\032524\F9024.D\	03/25/24 15:06
FB-031924	R2402277-005	I:\ACQUDATA\MSVOA14\Data\032524\F9025.D\	03/25/24 15:28
FB-032024	R2402277-007	I:\ACQUDATA\MSVOA14\Data\032524\F9026.D\	03/25/24 15:51
MW-8-032024	R2402277-008	I:\ACQUDATA\MSVOA14\Data\032524\F9027.D\	03/25/24 16:13
DUP-032024	R2402277-009	I:\ACQUDATA\MSVOA14\Data\032524\F9028.D\	03/25/24 16:45

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

Service Request: R2402277
Date Analyzed: 03/25/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2403036-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.6	20.0	98	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	18.9	20.0	94	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.0	20.0	90	71-118
Tetrachloroethene (PCE)	8260C	21.3	20.0	106	72-125
Trichloroethene (TCE)	8260C	20.8	20.0	104	74-122
Vinyl Chloride	8260C	15.6	20.0	78	74-159
cis-1,2-Dichloroethene	8260C	19.2	20.0	96	80-121
trans-1,2-Dichloroethene	8260C	18.8	20.0	94	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003 **Date Analyzed:**03/25/24 10:04

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\032524\F9012.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-14 **Analysis Lot:** 835815

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.3	30845	Pass
75	95	30	60	52.7	72775	Pass
95	95	100	100	100.0	138179	Pass
96	95	5	9	6.8	9390	Pass
173	174	0	2	0.0	0	Pass
174	95	50	120	90.8	125472	Pass
175	174	5	9	8.0	10067	Pass
176	174	95	101	96.3	120843	Pass
177	176	5	9	6.7	8068	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2403036-02	I:\ACQUDATA\MSVOA14\Data\032524\F9013.D\	03/25/24 10:37	
Lab Control Sample	RQ2403036-03	I:\ACQUDATA\MSVOA14\Data\032524\F9014.D\	03/25/24 11:13	
Method Blank	RQ2403036-04	I:\ACQUDATA\MSVOA14\Data\032524\F9017.D\	03/25/24 12:20	
TB-031924	R2402277-001	I:\ACQUDATA\MSVOA14\Data\032524\F9024.D\	03/25/24 15:06	
FB-031924	R2402277-005	I:\ACQUDATA\MSVOA14\Data\032524\F9025.D\	03/25/24 15:28	
FB-032024	R2402277-007	I:\ACQUDATA\MSVOA14\Data\032524\F9026.D\	03/25/24 15:51	
MW-8-032024	R2402277-008	I:\ACQUDATA\MSVOA14\Data\032524\F9027.D\	03/25/24 16:13	
DUP-032024	R2402277-009	I:\ACQUDATA\MSVOA14\Data\032524\F9028.D\	03/25/24 16:45	

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003 **Date Analyzed:**03/25/24 10:37

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

File ID: I:\ACQUDATA\MSVOA14\Data\032524\F9013.D\ **Lab Code:**RQ2403036-02
Instrument ID: R-MS-14 **Analysis Lot:**835815
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	296,960	12.04	534,862	6.48	512,698	9.93
	Upper Limit ==>	593,920	12.21	1,069,724	6.65	1,025,396	10.10
	Lower Limit ==>	148,480	11.87	267,431	6.31	256,349	9.76
Associated Analyses							
Lab Control Sample	RQ2403036-03	276542	12.04	540715	6.48	505653	9.93
Method Blank	RQ2403036-04	251078	12.04	515209	6.48	470005	9.93
TB-031924	R2402277-001	241720	12.04	481807	6.48	462234	9.93
FB-031924	R2402277-005	234175	12.03	490739	6.48	447424	9.93
FB-032024	R2402277-007	236743	12.03	497633	6.48	454832	9.93
MW-8-032024	R2402277-008	236953	12.03	491903	6.48	454283	9.93
DUP-032024	R2402277-009	237096	12.04	500329	6.48	454004	9.93

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003 **Date Analyzed:**03/25/24 10:37

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

File ID: I:\ACQUDATA\MSVOA14\Data\032524\F9013.D\ **Lab Code:**RQ2403036-02
Instrument ID: R-MS-14 **Analysis Lot:**835815
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	361,761	5.35
	Upper Limit ==>	723,522	5.52
	Lower Limit ==>	180,881	5.18
Associated Analyses			
Lab Control Sample	RQ2403036-03	373585	5.35
Method Blank	RQ2403036-04	350464	5.35
TB-031924	R2402277-001	330439	5.35
FB-031924	R2402277-005	330950	5.36
FB-032024	R2402277-007	331730	5.36
MW-8-032024	R2402277-008	335643	5.36
DUP-032024	R2402277-009	331238	5.35

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton/5101.0003
Sample Matrix: Water

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

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
MW-17-031924	R2402277-002	91	92	99
MW-10-031924	R2402277-003	91	92	100
MW-9-031924	R2402277-004	91	91	99
MW-16-031924	R2402277-006	94	93	101
Lab Control Sample	RQ2402993-03	99	97	102
Method Blank	RQ2402993-05	90	90	96
MW-10-031924 MS	RQ2402993-07	101	96	102
MW-10-031924 DMS	RQ2402993-08	100	97	101

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24
Sample Matrix:	Water	**Date Received:**	03/21/24
		Date Analyzed:	03/23/24
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name:	MW-10-031924	**Units:**	ug/L
Lab Code:	R2402277-003	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2402993-07			Duplicate Matrix Spike RQ2402993-08					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	0.39 J	46.9	50.0	93	51.7	50.0	103	74-127	10	30
1,1-Dichloroethane (1,1-DCA)	0.32 J	45.3	50.0	90	49.0	50.0	97	74-132	8	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	44.8	50.0	90	47.2	50.0	94	71-118	5	30
Tetrachloroethene (PCE)	0.32 J	50.7	50.0	101	53.9	50.0	107	72-125	6	30
Trichloroethene (TCE)	3.2	52.3	50.0	98	55.6	50.0	105	74-122	6	30
Vinyl Chloride	1.0 U	39.3	50.0	79	41.6	50.0	83	74-159	6	30
cis-1,2-Dichloroethene	0.93 J	47.4	50.0	93	50.6	50.0	99	77-127	7	30
trans-1,2-Dichloroethene	1.0 U	44.8	50.0	90	47.2	50.0	94	73-118	5	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.

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	03/22/24 15:50
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name:	Method Blank	**Instrument ID:**	R-MS-14
Lab Code:	RQ2402993-05	**File ID:**	I:\ACQUDATA\MSVOA14\Data\032224\F8982.D\
Analysis Method:	8260C	**Analysis Lot:**	835723
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2402993-03	I:\ACQUDATA\MSVOA14\Data\032224\F8979.D	03/22/24 14:29
MW-17-031924	R2402277-002	I:\ACQUDATA\MSVOA14\Data\032224\F8998.D	03/22/24 21:47
MW-10-031924	R2402277-003	I:\ACQUDATA\MSVOA14\Data\032224\F8999.D	03/22/24 22:09
MW-9-031924	R2402277-004	I:\ACQUDATA\MSVOA14\Data\032224\F9000.D	03/22/24 22:31
MW-16-031924	R2402277-006	I:\ACQUDATA\MSVOA14\Data\032224\F9001.D	03/22/24 22:53
MW-10-031924MS	RQ2402993-07	I:\ACQUDATA\MSVOA14\Data\032224\F9004.D	03/23/24 00:00
MW-10-031924DMS	RQ2402993-08	I:\ACQUDATA\MSVOA14\Data\032224\F9005.D	03/23/24 00:22

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2402993-05	**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	03/22/24 15:50	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/22/24 15:50	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 15:50	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/22/24 15:50	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/22/24 15:50	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 15:50	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/22/24 15:50	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 15:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/22/24 15:50	
Dibromofluoromethane	90	80 - 116	03/22/24 15:50	
Toluene-d8	96	87 - 121	03/22/24 15:50	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	03/22/24 14:29
Sample Matrix:	Water	**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:	RQ2402993-03	**File ID:**	I:\ACQUDATA\MSVOA14\Data\032224\F8979.D\
Analysis Method:	8260C	**Analysis Lot:**	835723
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2402993-05	I:\ACQUDATA\MSVOA14\Data\032224\F8982.D\	03/22/24 15:50
MW-17-031924	R2402277-002	I:\ACQUDATA\MSVOA14\Data\032224\F8998.D\	03/22/24 21:47
MW-10-031924	R2402277-003	I:\ACQUDATA\MSVOA14\Data\032224\F8999.D\	03/22/24 22:09
MW-9-031924	R2402277-004	I:\ACQUDATA\MSVOA14\Data\032224\F9000.D\	03/22/24 22:31
MW-16-031924	R2402277-006	I:\ACQUDATA\MSVOA14\Data\032224\F9001.D\	03/22/24 22:53
MW-10-031924MS	RQ2402993-07	I:\ACQUDATA\MSVOA14\Data\032224\F9004.D\	03/23/24 00:00
MW-10-031924DMS	RQ2402993-08	I:\ACQUDATA\MSVOA14\Data\032224\F9005.D\	03/23/24 00:22

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

Service Request: R2402277
Date Analyzed: 03/22/24

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2402993-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.6	20.0	98	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	18.7	20.0	93	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.1	20.0	90	71-118
Tetrachloroethene (PCE)	8260C	21.0	20.0	105	72-125
Trichloroethene (TCE)	8260C	20.7	20.0	104	74-122
Vinyl Chloride	8260C	15.8	20.0	79	74-159
cis-1,2-Dichloroethene	8260C	19.8	20.0	99	80-121
trans-1,2-Dichloroethene	8260C	18.7	20.0	93	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003 **Date Analyzed:**03/22/24 13:21

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA14\Data\032224\F8977.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-14 **Analysis Lot:** 835723

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.6	30427	Pass
75	95	30	60	52.0	73207	Pass
95	95	100	100	100.0	140691	Pass
96	95	5	9	6.7	9468	Pass
173	174	0	2	0.0	0	Pass
174	95	50	120	91.2	128352	Pass
175	174	5	9	8.5	10912	Pass
176	174	95	101	97.4	124981	Pass
177	176	5	9	6.8	8439	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2402993-02	I:\ACQUDATA\MSVOA14\Data\032224\F8978.D\	03/22/24 13:54	
Lab Control Sample	RQ2402993-03	I:\ACQUDATA\MSVOA14\Data\032224\F8979.D\	03/22/24 14:29	
Method Blank	RQ2402993-05	I:\ACQUDATA\MSVOA14\Data\032224\F8982.D\	03/22/24 15:50	
MW-17-031924	R2402277-002	I:\ACQUDATA\MSVOA14\Data\032224\F8998.D\	03/22/24 21:47	
MW-10-031924	R2402277-003	I:\ACQUDATA\MSVOA14\Data\032224\F8999.D\	03/22/24 22:09	
MW-9-031924	R2402277-004	I:\ACQUDATA\MSVOA14\Data\032224\F9000.D\	03/22/24 22:31	
MW-16-031924	R2402277-006	I:\ACQUDATA\MSVOA14\Data\032224\F9001.D\	03/22/24 22:53	
MW-10-031924	RQ2402993-07	I:\ACQUDATA\MSVOA14\Data\032224\F9004.D\	03/23/24 00:00	
MW-10-031924	RQ2402993-08	I:\ACQUDATA\MSVOA14\Data\032224\F9005.D\	03/23/24 00:22	

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003 **Date Analyzed:**03/22/24 13:54

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

File ID: I:\ACQUDATA\MSVOA14\Data\032224\F8978.D\ **Lab Code:**RQ2402993-02
Instrument ID: R-MS-14 **Analysis Lot:**835723
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	291,921	12.04	552,366	6.48	515,044	9.93
	Upper Limit ==>	583,842	12.21	1,104,732	6.65	1,030,088	10.10
	Lower Limit ==>	145,961	11.87	276,183	6.31	257,522	9.76
Associated Analyses							
Lab Control Sample	RQ2402993-03	270507	12.04	543417	6.48	503158	9.93
Method Blank	RQ2402993-05	258556	12.04	541211	6.48	485434	9.93
MW-17-031924	R2402277-002	245036	12.04	514875	6.48	463150	9.93
MW-10-031924	R2402277-003	241908	12.04	512355	6.48	464446	9.93
MW-9-031924	R2402277-004	241729	12.04	509495	6.48	457720	9.93
MW-16-031924	R2402277-006	236811	12.03	498201	6.48	451172	9.93
MW-10-031924MS	RQ2402993-07	267334	12.04	517757	6.48	480549	9.93
MW-10-031924DMS	RQ2402993-08	271118	12.04	541218	6.48	500975	9.93

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003 **Date Analyzed:**03/22/24 13:54

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

File ID: I:\ACQUDATA\MSVOA14\Data\032224\F8978.D\ **Lab Code:**RQ2402993-02
Instrument ID: R-MS-14 **Analysis Lot:**835723
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	374,018	5.35
	Upper Limit ==>	748,036	5.52
	Lower Limit ==>	187,009	5.18
Associated Analyses			
Lab Control Sample	RQ2402993-03	368767	5.35
Method Blank	RQ2402993-05	366476	5.36
MW-17-031924	R2402277-002	351326	5.35
MW-10-031924	R2402277-003	344999	5.36
MW-9-031924	R2402277-004	337040	5.36
MW-16-031924	R2402277-006	336551	5.36
MW-10-031924MS	RQ2402993-07	349182	5.36
MW-10-031924DMS	RQ2402993-08	371527	5.36

Raw Data

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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Volatile Organic Compounds by GC/MS

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Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 00:00
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	TB-031924	**Units:**	ug/L
Lab Code:	R2402277-001	**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	03/25/24 15:06	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/25/24 15:06	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/25/24 15:06	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/25/24 15:06	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/25/24 15:06	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/25/24 15:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/25/24 15:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/25/24 15:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	03/25/24 15:06	
Dibromofluoromethane	96	80 - 116	03/25/24 15:06	
Toluene-d8	101	87 - 121	03/25/24 15:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 15:30
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	FB-031924	**Units:**	ug/L
Lab Code:	R2402277-005	**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	03/25/24 15:28	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/25/24 15:28	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/25/24 15:28	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/25/24 15:28	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/25/24 15:28	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/25/24 15:28	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/25/24 15:28	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/25/24 15:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/25/24 15:28	
Dibromofluoromethane	94	80 - 116	03/25/24 15:28	
Toluene-d8	99	87 - 121	03/25/24 15:28	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/20/24 09:45
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	FB-032024	**Units:**	ug/L
Lab Code:	R2402277-007	**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	03/25/24 15:51	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/25/24 15:51	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/25/24 15:51	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/25/24 15:51	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/25/24 15:51	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/25/24 15:51	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/25/24 15:51	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/25/24 15:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/25/24 15:51	
Dibromofluoromethane	92	80 - 116	03/25/24 15:51	
Toluene-d8	100	87 - 121	03/25/24 15:51	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/20/24 10:25
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-8-032024	**Units:**	ug/L
Lab Code:	R2402277-008	**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**	**J**	13	0.50	2.5	03/25/24 16:13	
1,1-Dichloroethane (1,1-DCA)	**2.0**	**J**	13	0.50	2.5	03/25/24 16:13	
1,1-Dichloroethene (1,1-DCE)	**3.1**	**J**	13	0.50	2.5	03/25/24 16:13	
Tetrachloroethene (PCE)	13	U	13	0.53	2.5	03/25/24 16:13	
Trichloroethene (TCE)	**400**		13	0.50	2.5	03/25/24 16:13	
Vinyl Chloride	13	U	13	0.50	2.5	03/25/24 16:13	
cis-1,2-Dichloroethene	**260**		13	0.58	2.5	03/25/24 16:13	
trans-1,2-Dichloroethene	13	U	13	0.50	2.5	03/25/24 16:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/25/24 16:13	
Dibromofluoromethane	96	80 - 116	03/25/24 16:13	
Toluene-d8	103	87 - 121	03/25/24 16:13	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/20/24 00:00
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	DUP-032024	**Units:**	ug/L
Lab Code:	R2402277-009	**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**	**J**	13	0.50	2.5	03/25/24 16:45	
1,1-Dichloroethane (1,1-DCA)	**2.2**	**J**	13	0.50	2.5	03/25/24 16:45	
1,1-Dichloroethene (1,1-DCE)	**3.1**	**J**	13	0.50	2.5	03/25/24 16:45	
Tetrachloroethene (PCE)	13	U	13	0.53	2.5	03/25/24 16:45	
Trichloroethene (TCE)	**380**		13	0.50	2.5	03/25/24 16:45	
Vinyl Chloride	13	U	13	0.50	2.5	03/25/24 16:45	
cis-1,2-Dichloroethene	**250**		13	0.58	2.5	03/25/24 16:45	
trans-1,2-Dichloroethene	13	U	13	0.50	2.5	03/25/24 16:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/25/24 16:45	
Dibromofluoromethane	95	80 - 116	03/25/24 16:45	
Toluene-d8	103	87 - 121	03/25/24 16:45	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9024.D
Acq On : 25 Mar 2024 03:06 pm
Operator : F.NAEGLER
Sample : R2402277-001
Misc : VCG 6646 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 15:41:32 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

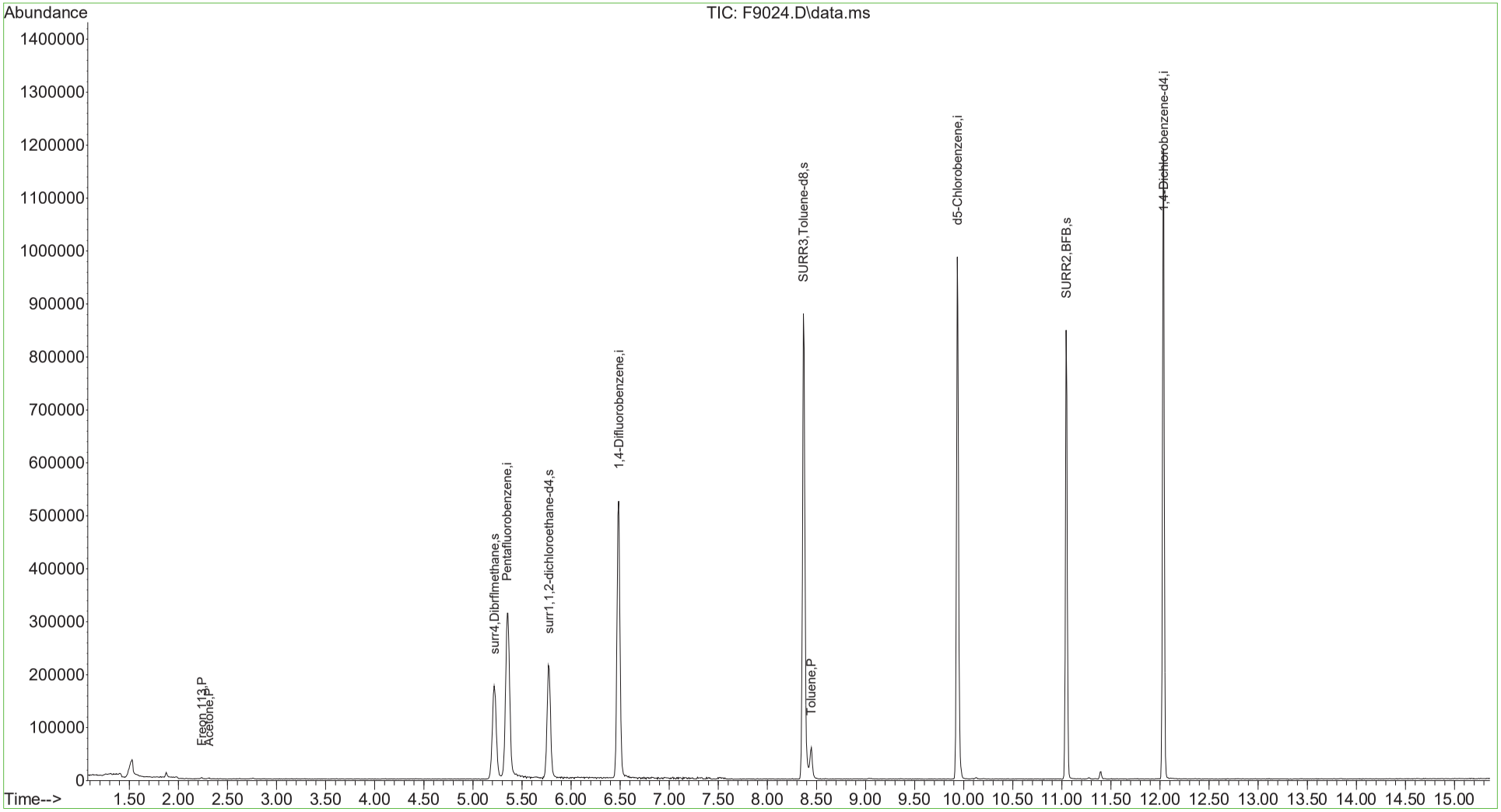
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.350	168	330439	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	481807	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	462234	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	241720	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	145401	47.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.90%			
48) surr1,1,2-dichloroetha...	5.771	65	186063	49.09	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.18%			
65) SURR3,Toluene-d8	8.368	98	572342	50.57	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.14%			
70) SURR2,BFB	11.044	95	202345	47.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.80%			
Target Compounds						Qvalue
15) Freon 113	2.235	101	699	0.276	ug/L #	53
16) Acetone	2.314	43	1731	0.955	ug/L	90
66) Toluene	8.447	91	36146	3.220	ug/L	94

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

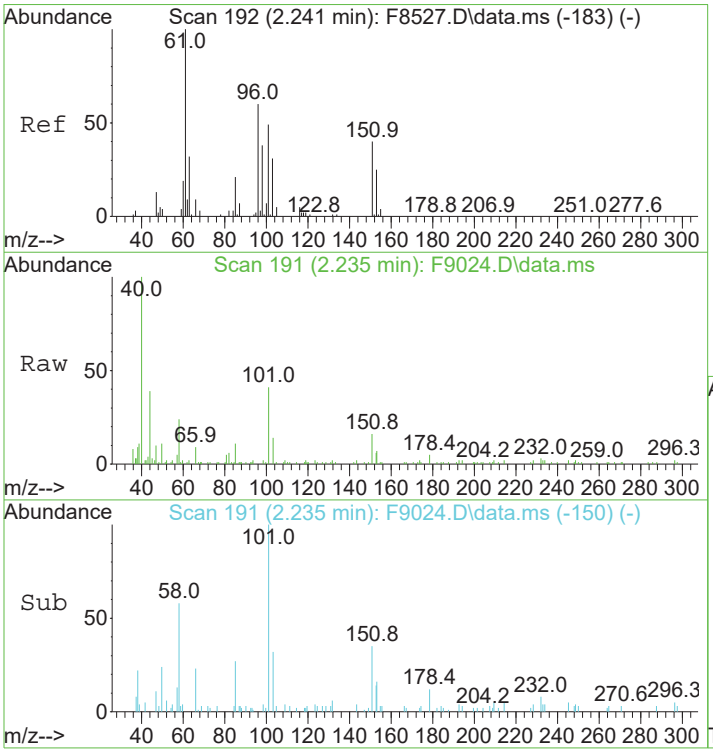
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9024.D
Acq On : 25 Mar 2024 03:06 pm
Operator : F.NAEGLER
Sample : R2402277-001
Misc : VCG 6646 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 15:41:32 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



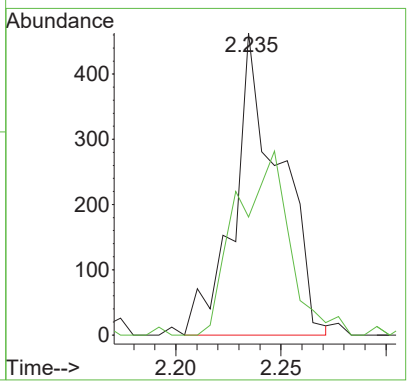
1st FJ 03/26/24
2nd 03/26/24

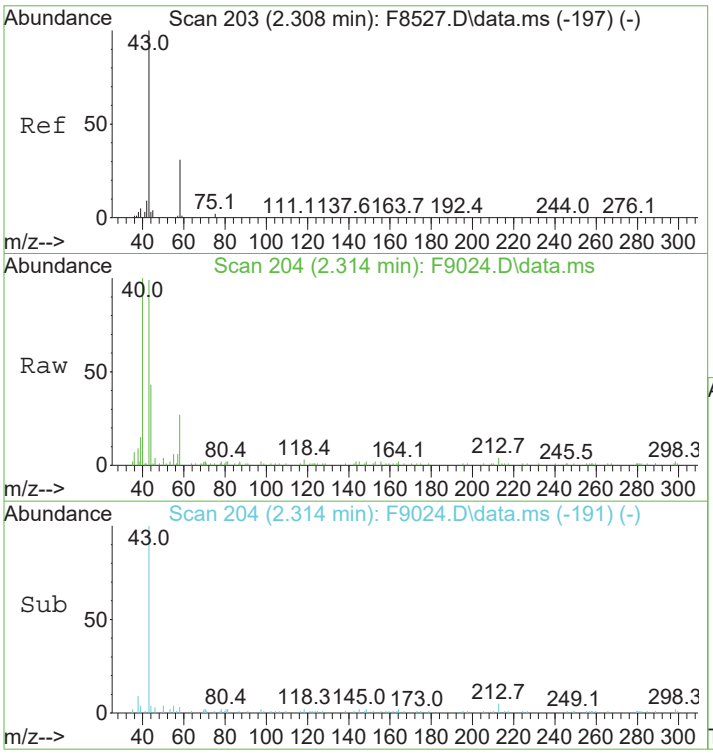


#15
Freon 113
Concen: 0.28 ug/L
RT: 2.235 min Scan# 191
Delta R.T. -0.006 min
Lab File: F9024.D
Acq: 25 Mar 2024 03:06 pm

Tgt Ion:101 Resp: 699

Ion	Ratio	Lower	Upper
101	100		
151	39.1	61.4	101.4#

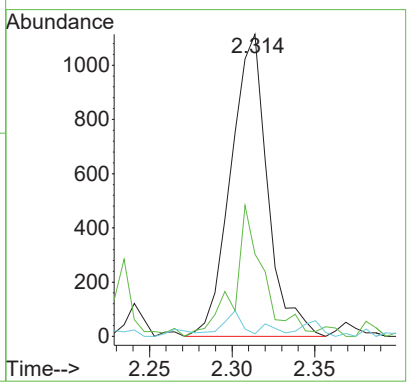


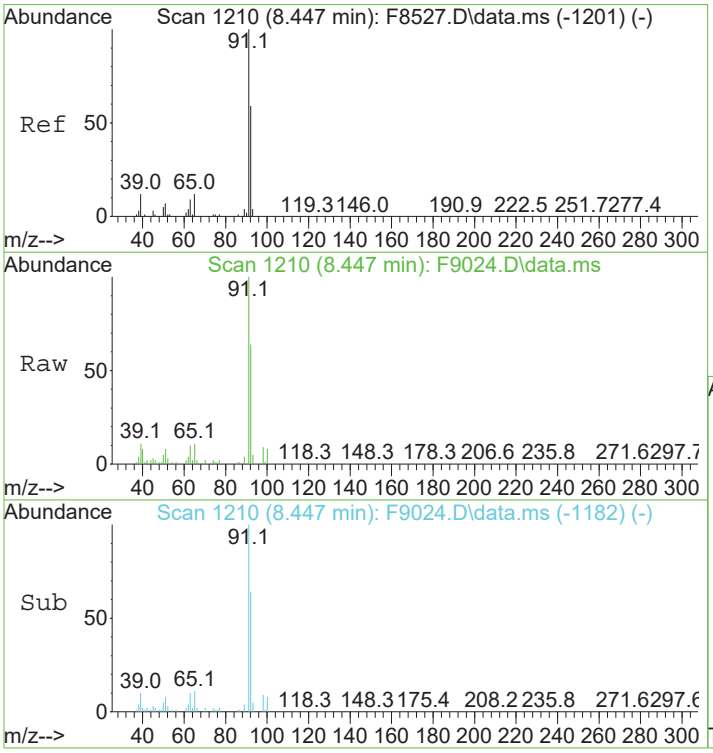


#16
Acetone
Concen: 0.96 ug/L
RT: 2.314 min Scan# 204
Delta R.T. 0.006 min
Lab File: F9024.D
Acq: 25 Mar 2024 03:06 pm

Tgt Ion: 43 Resp: 1731

Ion	Ratio	Lower	Upper
43	100		
58	27.2	10.6	50.6
42	0.9	0.0	28.7

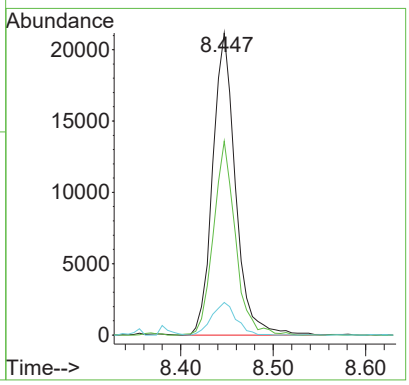




#66
Toluene
Concen: 3.22 ug/L
RT: 8.447 min Scan# 1210
Delta R.T. -0.000 min
Lab File: F9024.D
Acq: 25 Mar 2024 03:06 pm

Tgt Ion: 91 Resp: 36146

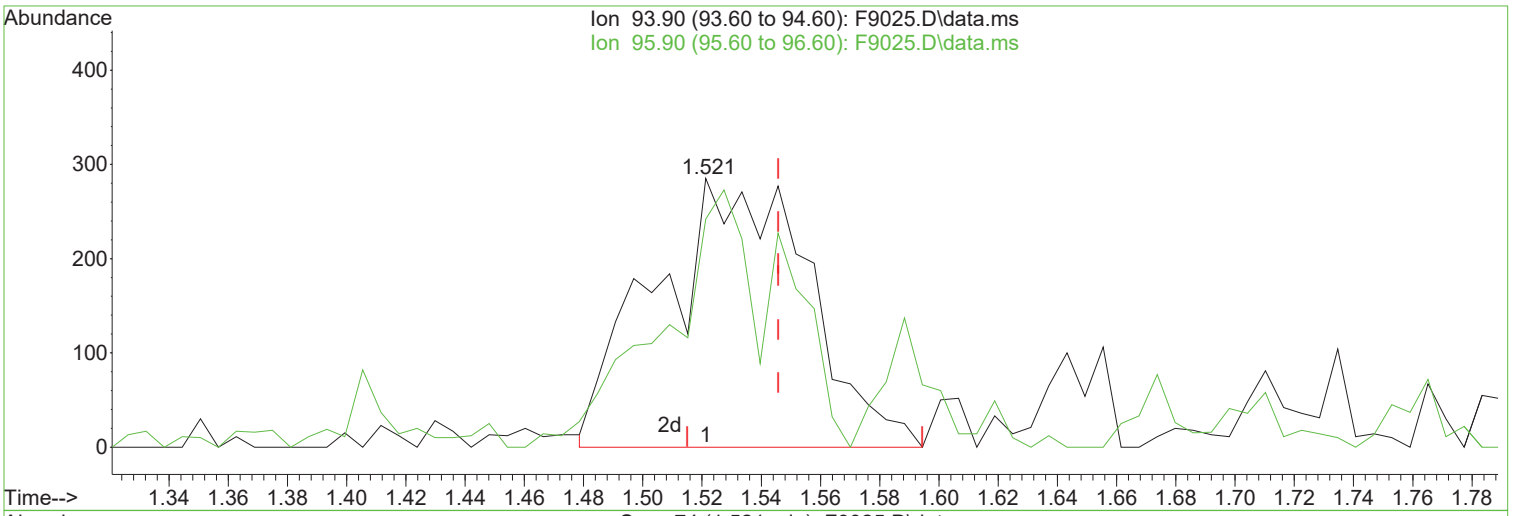
Ion	Ratio	Lower	Upper
91	100		
92	64.2	39.2	79.2
65	10.8	0.0	31.9

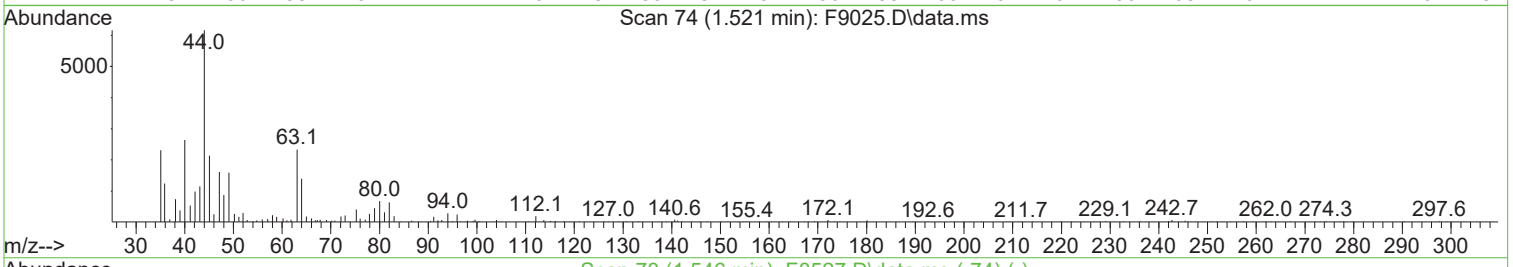


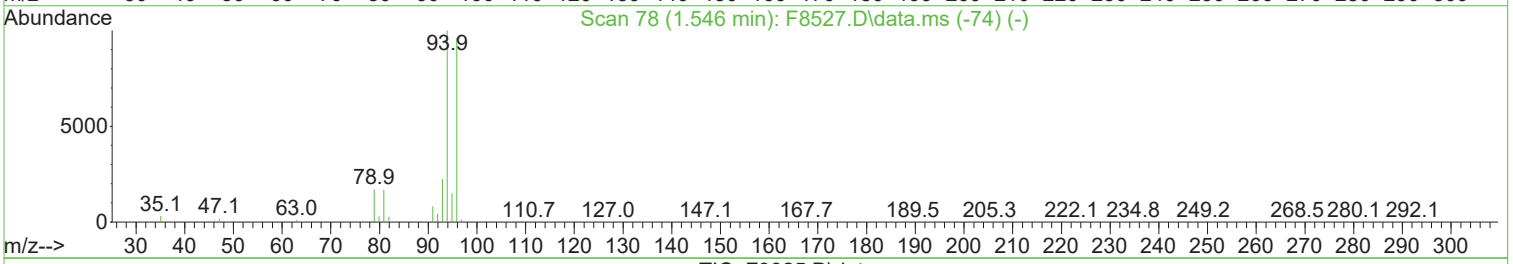
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9025.D
Acq On : 25 Mar 2024 03:28 pm
Operator : F.NAEGLER
Sample : R2402277-005
Misc : VCG 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 25 15:49:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9025.D\data.ms

(6) Bromomethane (P)

1.521min (-0.025) 0.36 ug/L m

response 1017

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	84.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

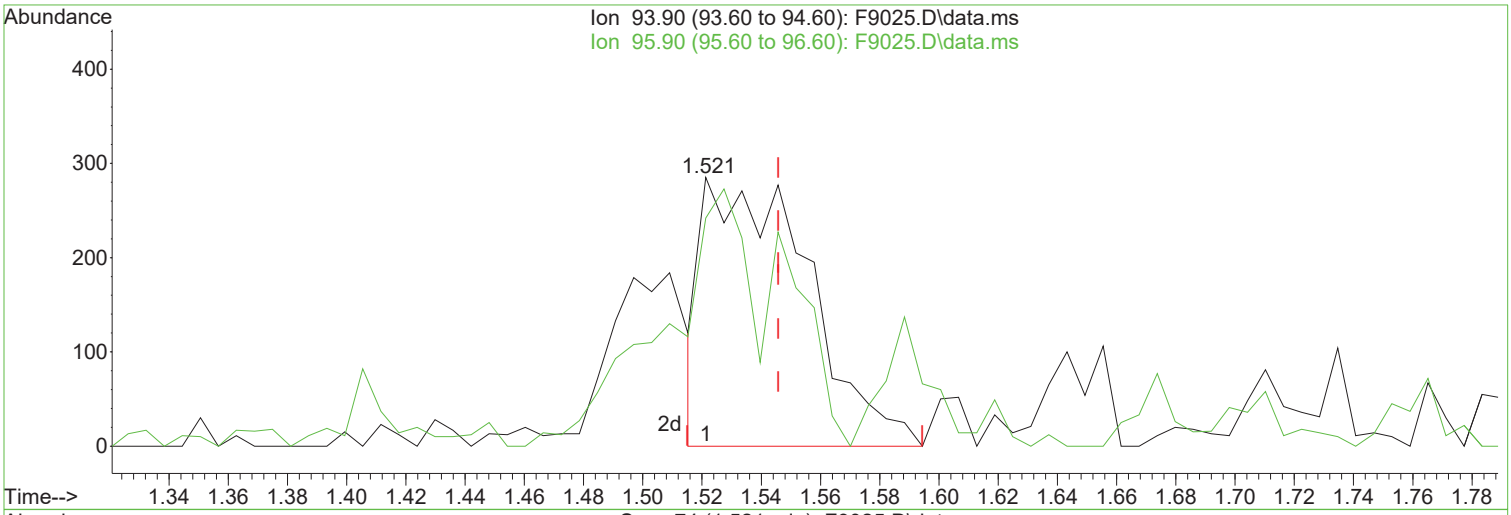
Poor integration.

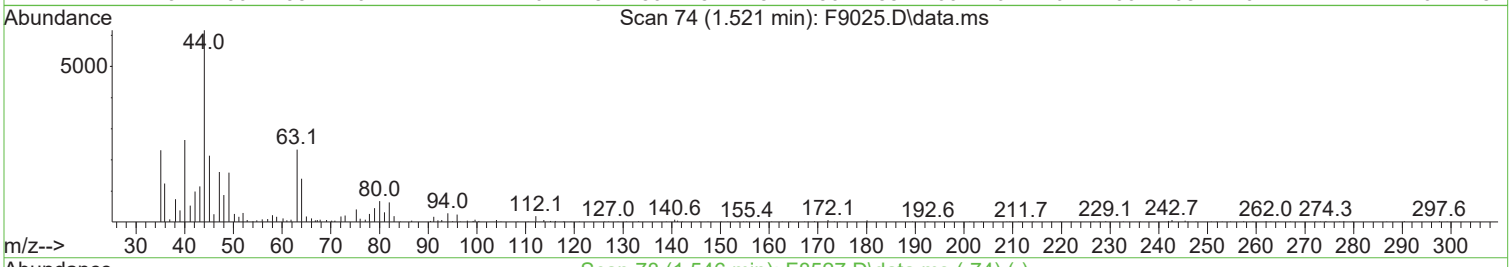
03/26/24

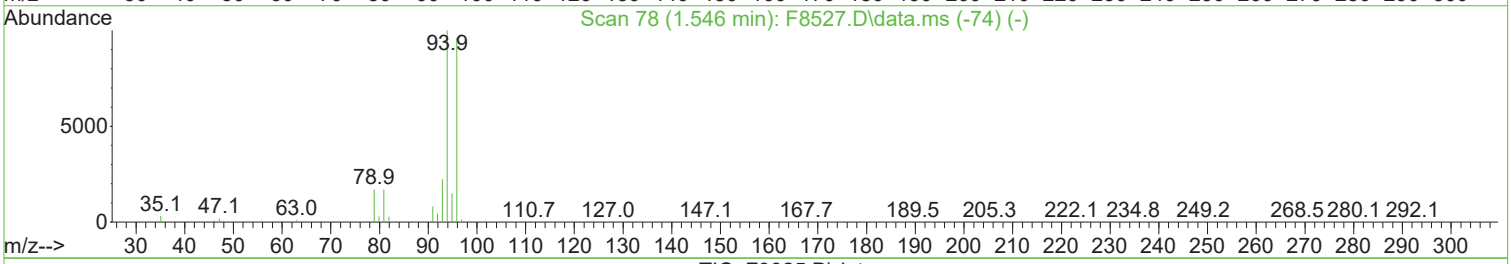
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9025.D
Acq On : 25 Mar 2024 03:28 pm
Operator : F.NAEGLER
Sample : R2402277-005
Misc : VCG 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 25 15:49:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9025.D\data.ms

(6) Bromomethane (P)

1.521min (-0.025) 0.25 ug/L

response 706

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	92.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9025.D
Acq On : 25 Mar 2024 03:28 pm
Operator : F.NAEGLER
Sample : R2402277-005
Misc : VCG 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 25 15:49:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

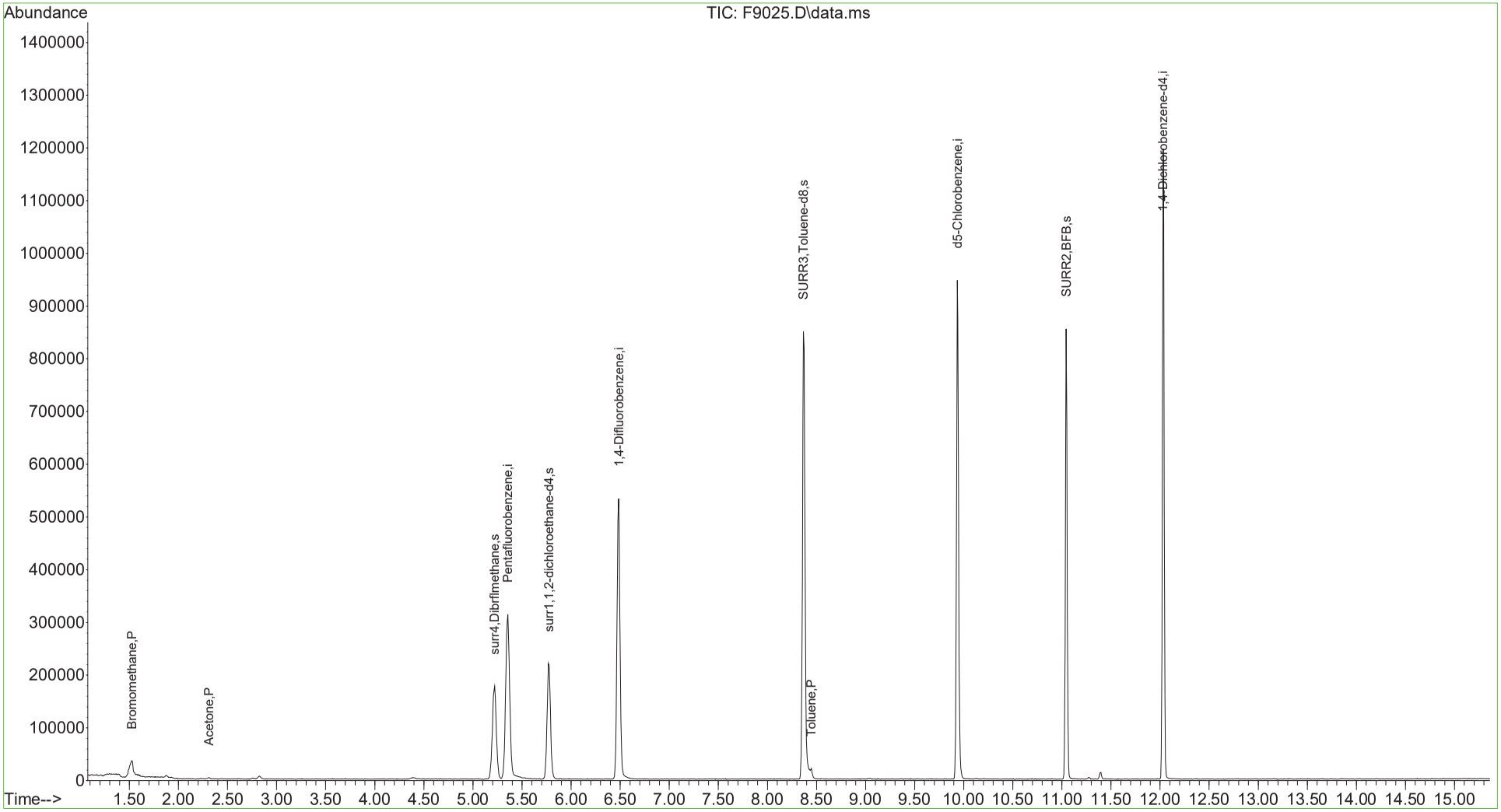
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	330950	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	490739	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	447424	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.031	152	234175	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.222	113	145162	47.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 94.00%			
48) surr1,1,2-dichloroetha...	5.770	65	189413	49.07	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.14%			
65) SURR3,Toluene-d8	8.367	98	573217	49.73	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.46%			
70) SURR2,BFB	11.044	95	196137	45.59	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.18%			
Target Compounds						Qvalue
6) Bromomethane	1.521	94	1017m	0.356	ug/L	
16) Acetone	2.308	43	2287	1.260	ug/L	87
66) Toluene	8.447	91	8316	0.727	ug/L	94

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

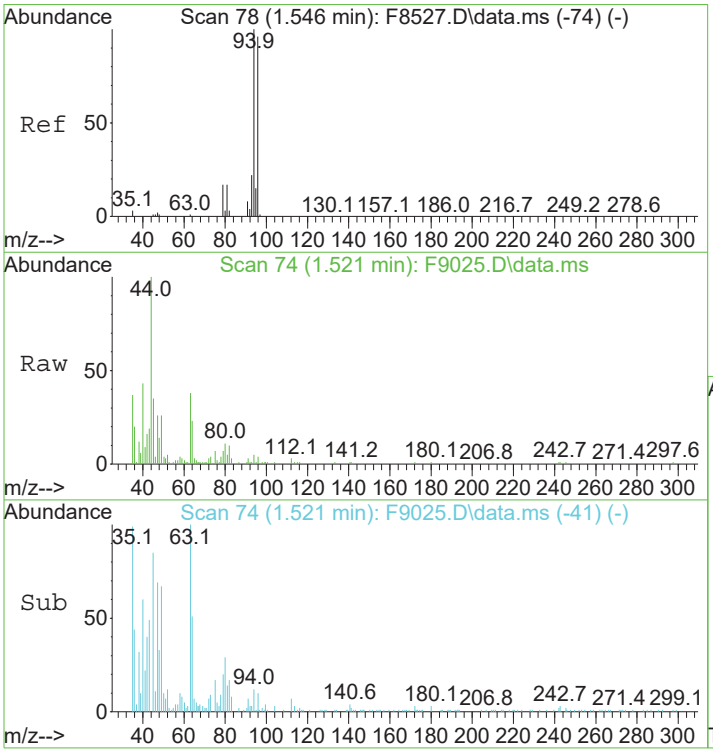
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9025.D
Acq On : 25 Mar 2024 03:28 pm
Operator : F.NAEGLER
Sample : R2402277-005
Misc : VCG 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 25 15:49:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



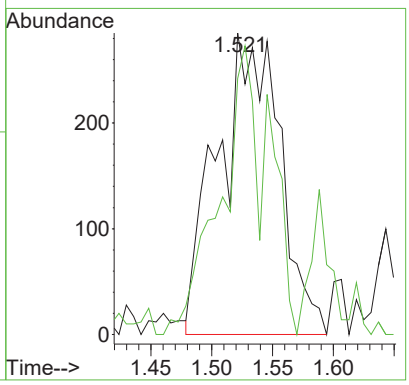
1st FJ 03/26/24
2nd 03/26/24

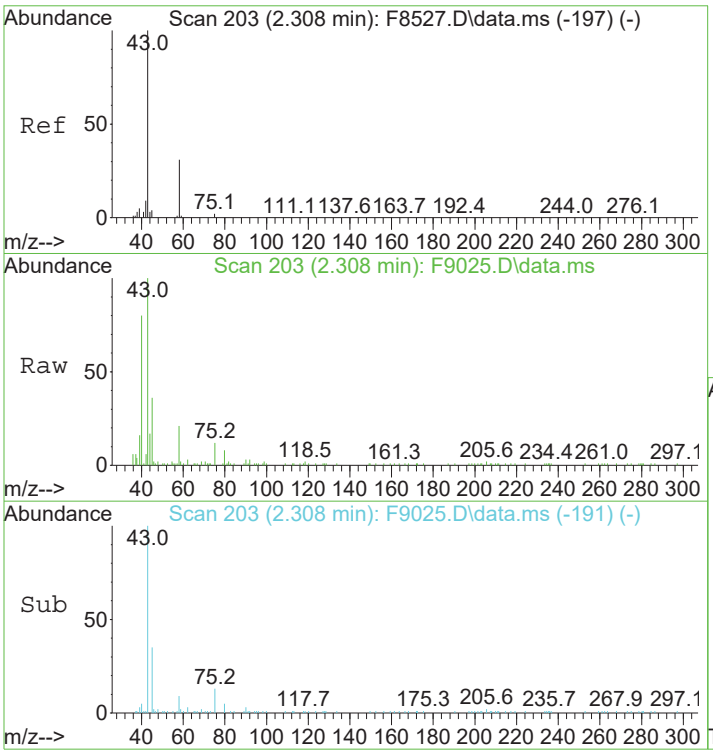


#6
Bromomethane
Concen: 0.36 ug/L m
RT: 1.521 min Scan# 74
Delta R.T. -0.025 min
Lab File: F9025.D
Acq: 25 Mar 2024 03:28 pm

Tgt Ion: 94 Resp: 1017

Ion	Ratio	Lower	Upper
94	100		
96	84.9	75.9	115.9

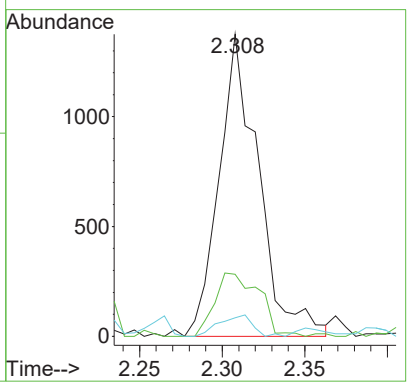


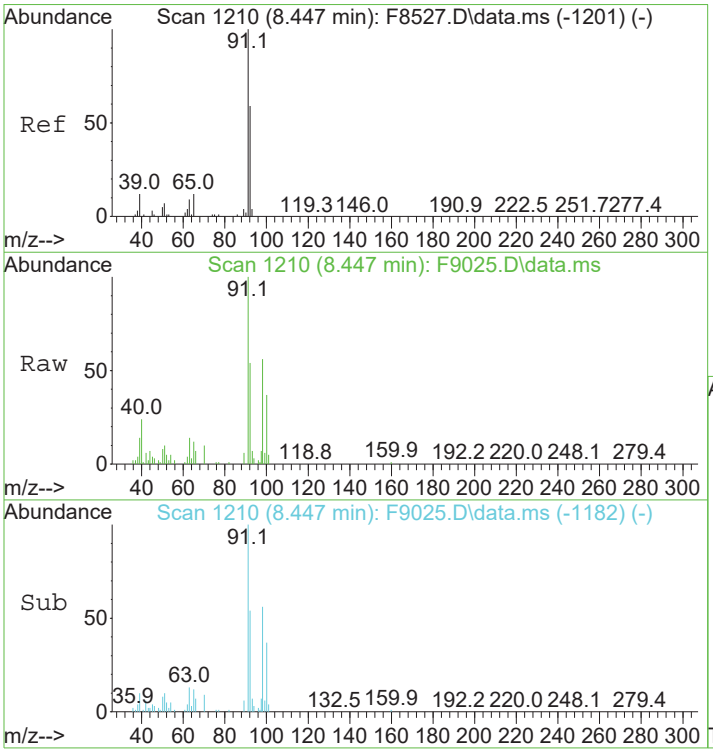


#16
Acetone
Concen: 1.26 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F9025.D
Acq: 25 Mar 2024 03:28 pm

Tgt Ion: 43 Resp: 2287

Ion	Ratio	Lower	Upper
43	100		
58	22.4	10.6	50.6
42	6.1	0.0	28.7

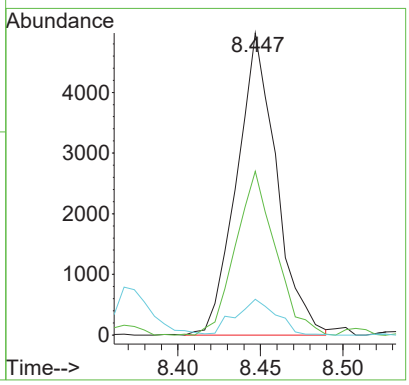




#66
Toluene
Concen: 0.73 ug/L
RT: 8.447 min Scan# 1210
Delta R.T. -0.000 min
Lab File: F9025.D
Acq: 25 Mar 2024 03:28 pm

Tgt Ion: 91 Resp: 8316

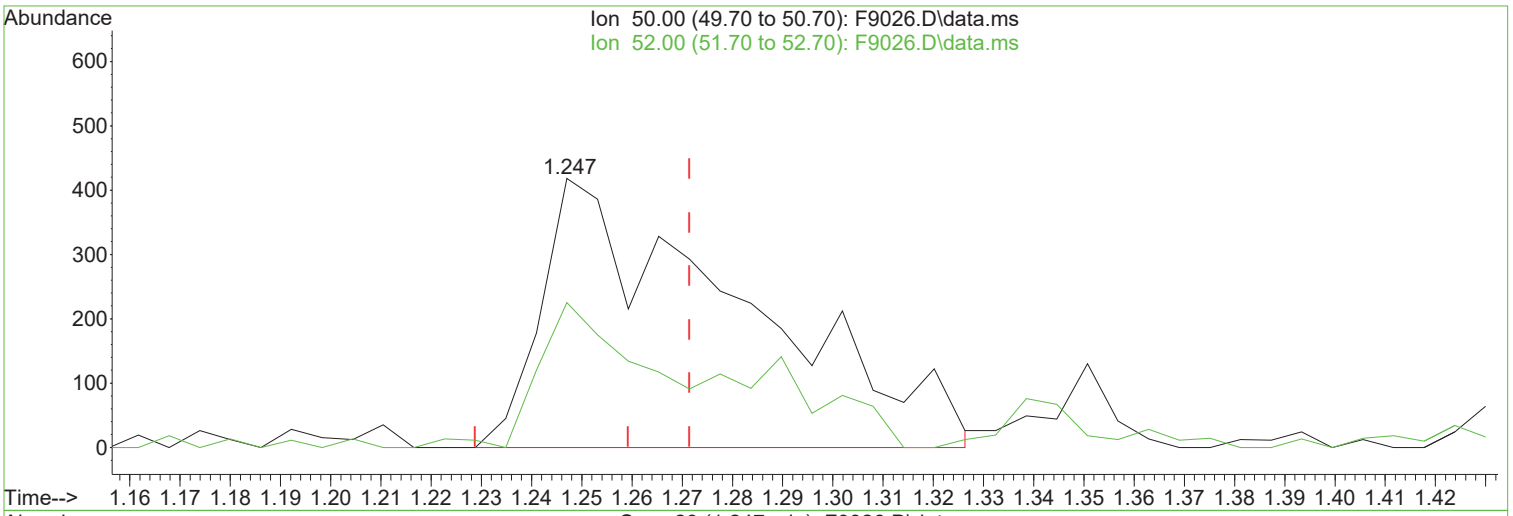
Ion	Ratio	Lower	Upper
91	100		
92	54.2	39.2	79.2
65	11.9	0.0	31.9

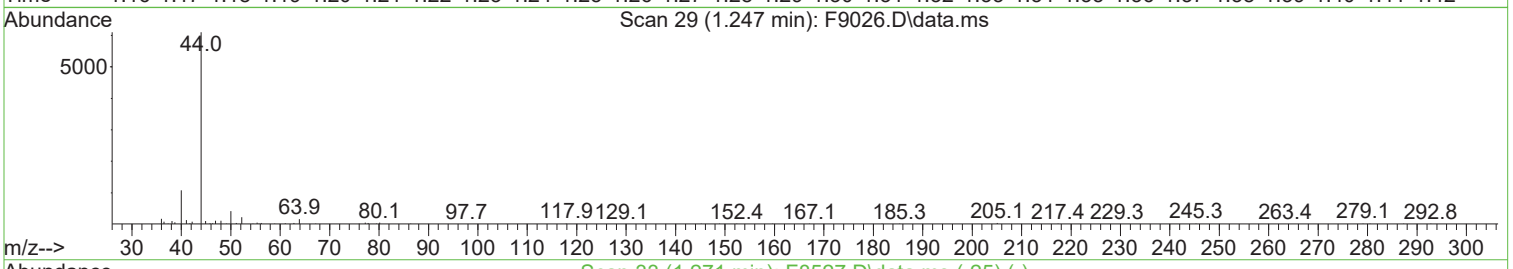


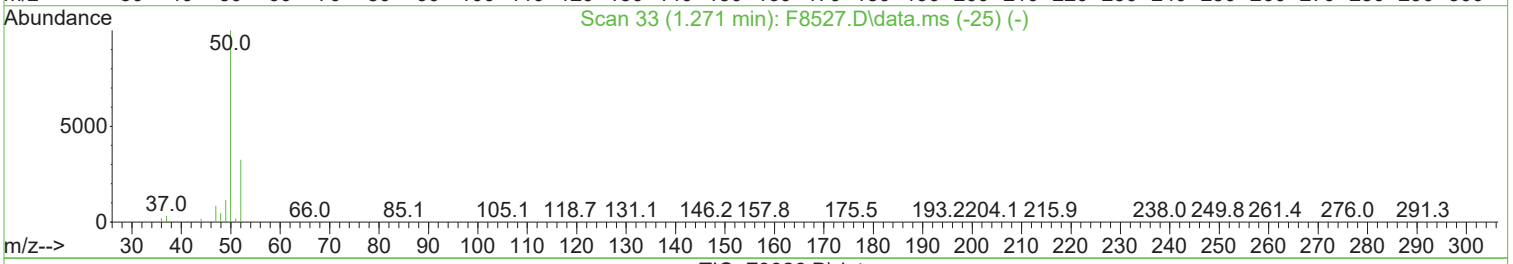
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9026.D
Acq On : 25 Mar 2024 03:51 pm
Operator : F.NAEGLER
Sample : R2402277-007
Misc : VCG 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 25 16:11:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9026.D\data.ms

(4) Chloromethane (P)

1.247min (-0.024) 0.28 ug/L m

response 1156

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.70	53.83#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

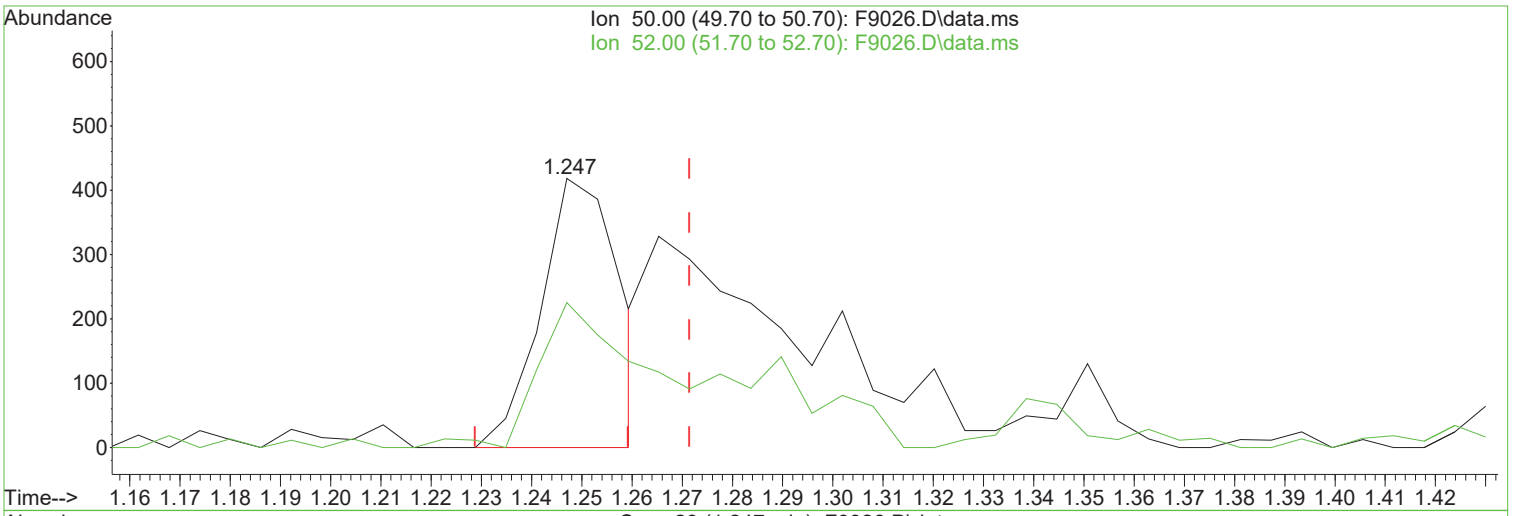
Poor integration.

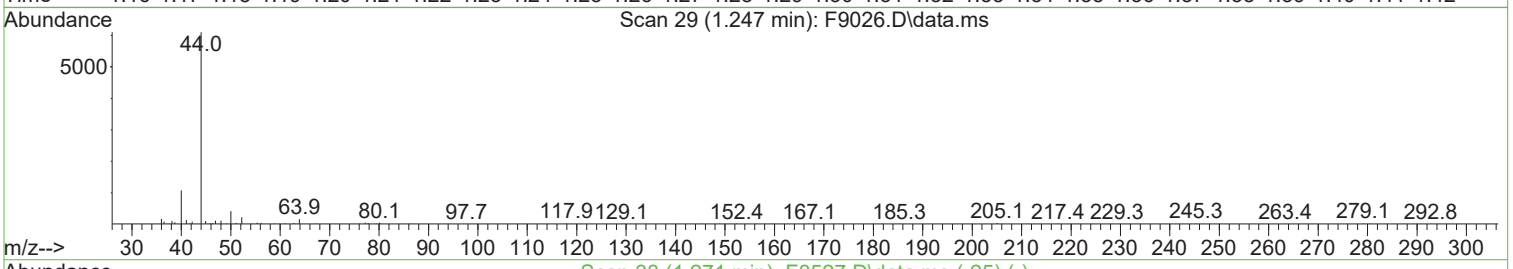
03/26/24

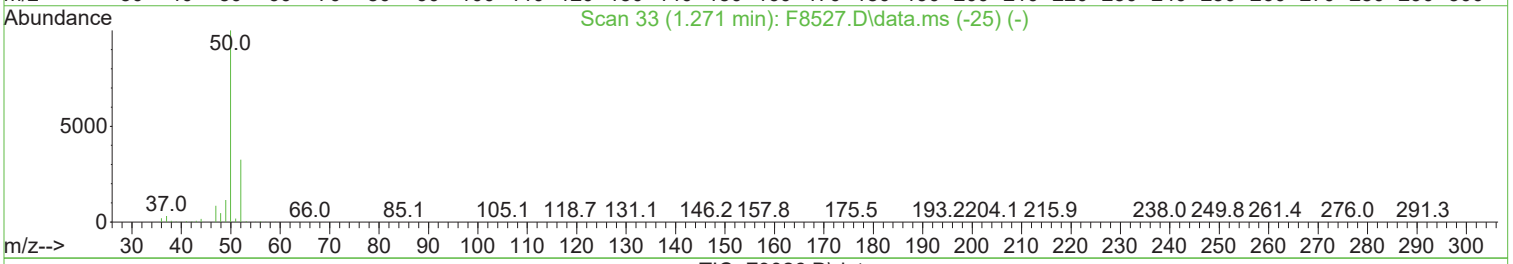
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9026.D
Acq On : 25 Mar 2024 03:51 pm
Operator : F.NAEGLER
Sample : R2402277-007
Misc : VCG 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 25 16:11:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9026.D\data.ms

(4) Chloromethane (P)

1.247min (-0.024) 0.11 ug/L

response 454

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.70	53.83#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9026.D
Acq On : 25 Mar 2024 03:51 pm
Operator : F.NAEGLER
Sample : R2402277-007
Misc : VCG 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 25 16:11:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

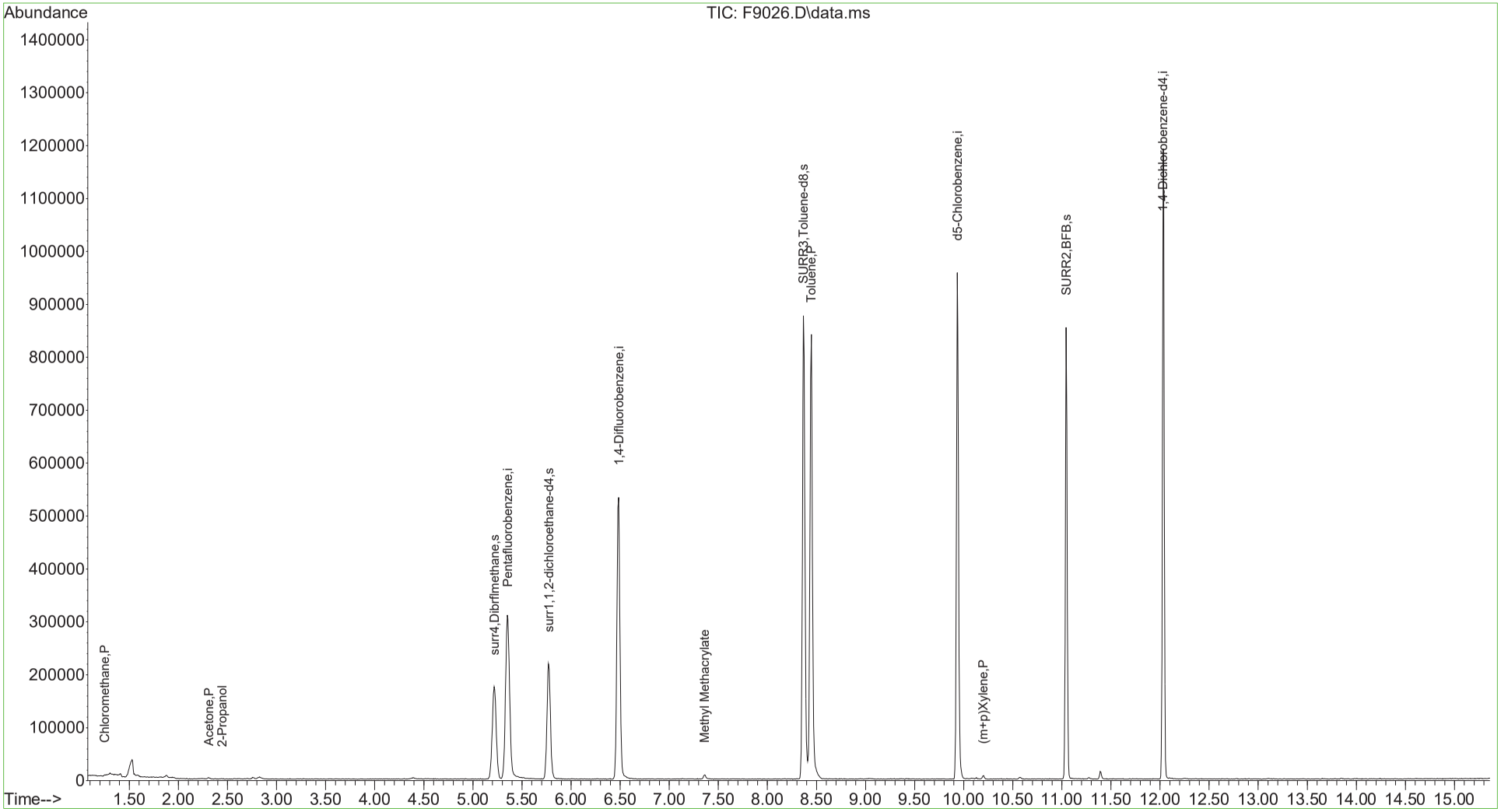
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	331730	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	497633	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	454832	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.032	152	236743	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	143943	45.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 91.92%			
48) surr1,1,2-dichloroetha...	5.771	65	189347	48.37	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.74%			
65) SURR3,Toluene-d8	8.368	98	587003	50.22	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.44%			
70) SURR2,BFB	11.044	95	199415	45.71	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.42%			
Target Compounds						Qvalue
4) Chloromethane	1.247	50	1156m	0.284	ug/L	
16) Acetone	2.308	43	2452	1.348	ug/L	87
17) 2-Propanol	2.442	45	290	0.952	ug/L #	58
59) Methyl Methacrylate	7.362	69	3032	1.247	ug/L #	67
66) Toluene	8.447	91	617402	53.257	ug/L	100
83) (m+p)Xylene	10.197	106	1665	0.326	ug/L #	69

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

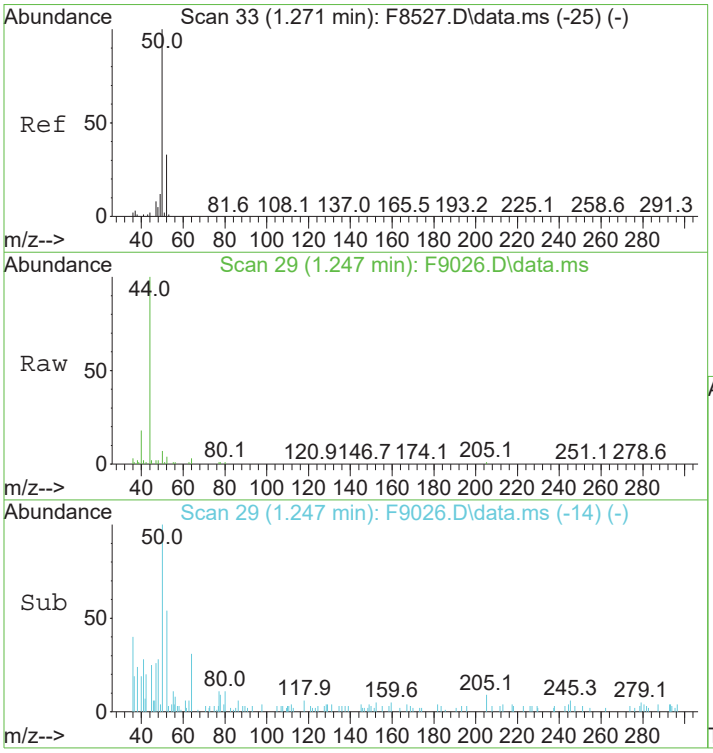
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9026.D
Acq On : 25 Mar 2024 03:51 pm
Operator : F.NAEGLER
Sample : R2402277-007
Misc : VCG 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 25 16:11:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



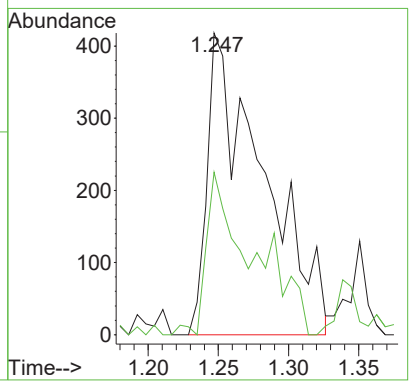
1st FN 03/26/24
2nd 03/26/24

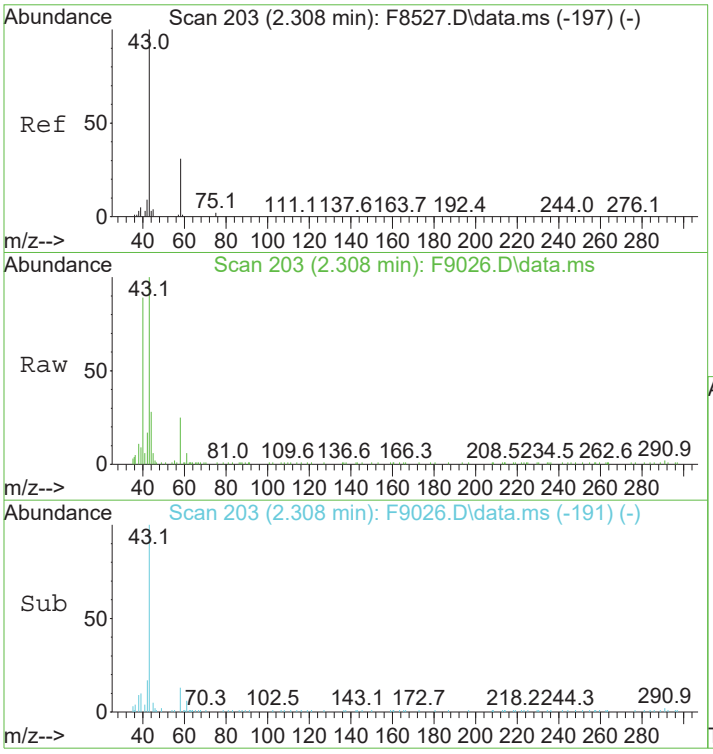


#4
Chloromethane
Concen: 0.28 ug/L m
RT: 1.247 min Scan# 29
Delta R.T. -0.024 min
Lab File: F9026.D
Acq: 25 Mar 2024 03:51 pm

Tgt Ion: 50 Resp: 1156

Ion	Ratio	Lower	Upper
50	100		
52	53.8	12.7	52.7#

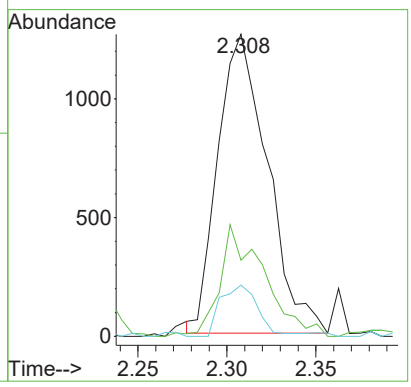


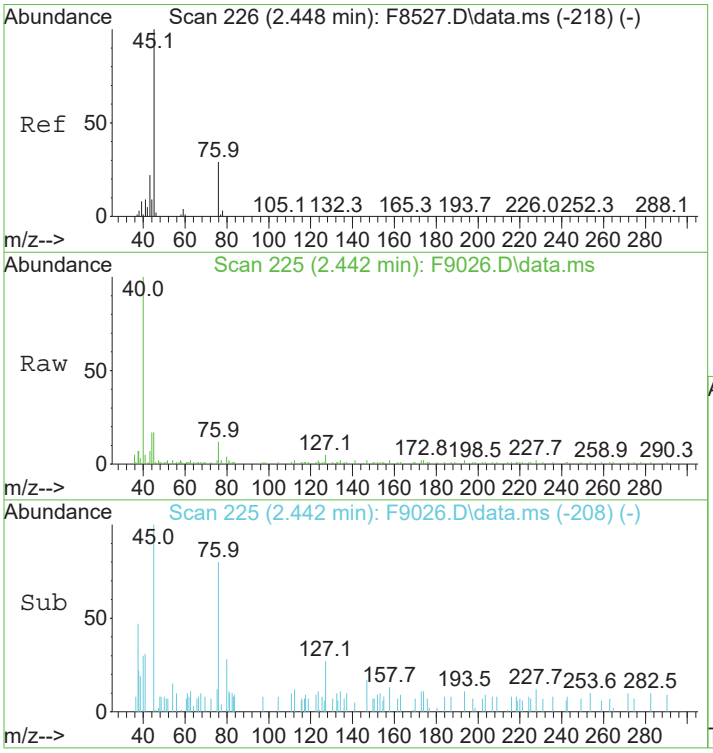


#16
Acetone
Concen: 1.35 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F9026.D
Acq: 25 Mar 2024 03:51 pm

Tgt Ion: 43 Resp: 2452

Ion	Ratio	Lower	Upper
43	100		
58	25.2	10.6	50.6
42	16.9	0.0	28.7

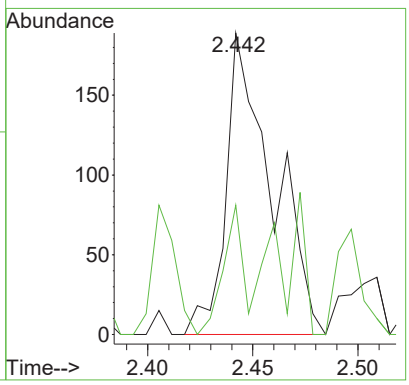


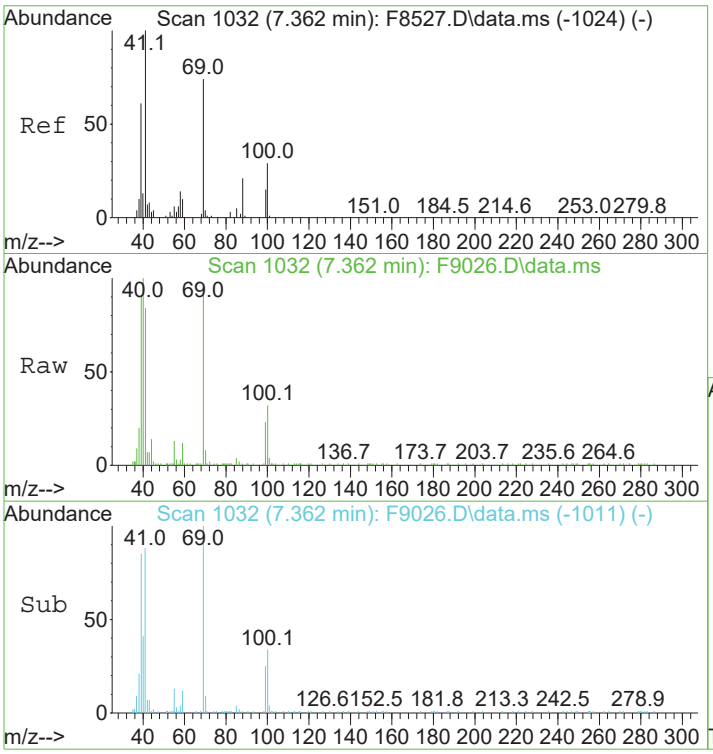


#17
2-Propanol
Concen: 0.95 ug/L
RT: 2.442 min Scan# 225
Delta R.T. -0.006 min
Lab File: F9026.D
Acq: 25 Mar 2024 03:51 pm

Tgt Ion: 45 Resp: 290

Ion	Ratio	Lower	Upper
45	100		
43	42.9	2.6	42.6#

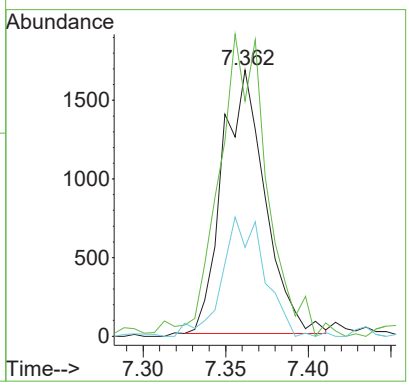


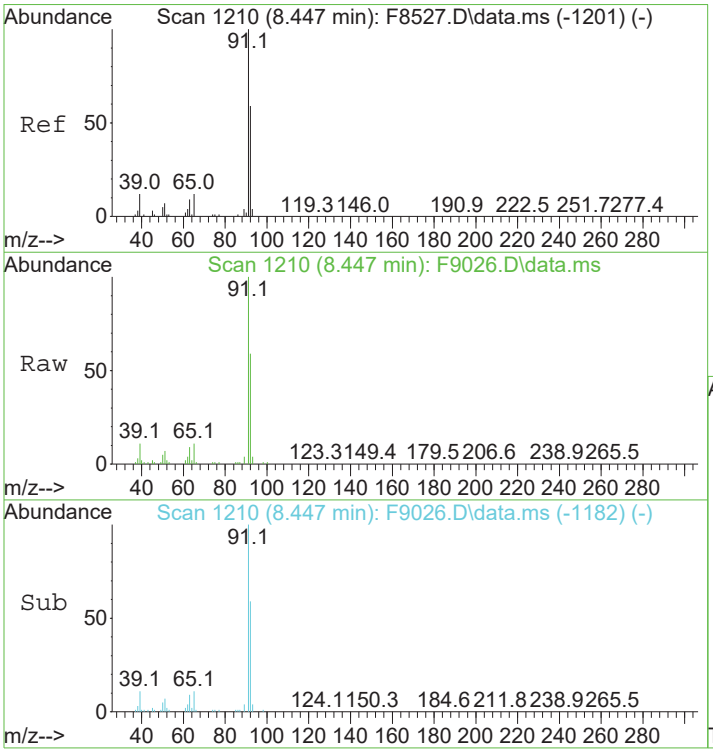


#59
Methyl Methacrylate
Concen: 1.25 ug/L
RT: 7.362 min Scan# 1032
Delta R.T. -0.000 min
Lab File: F9026.D
Acq: 25 Mar 2024 03:51 pm

Tgt Ion: 69 Resp: 3032

Ion	Ratio	Lower	Upper
69	100		
41	88.3	116.0	156.0#
100	33.4	18.5	58.5

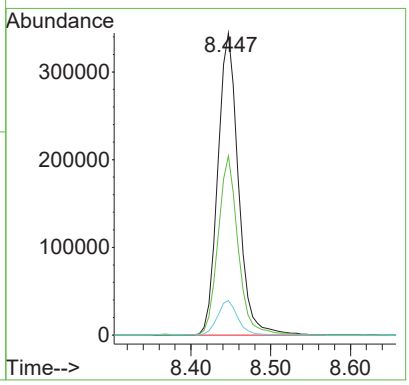


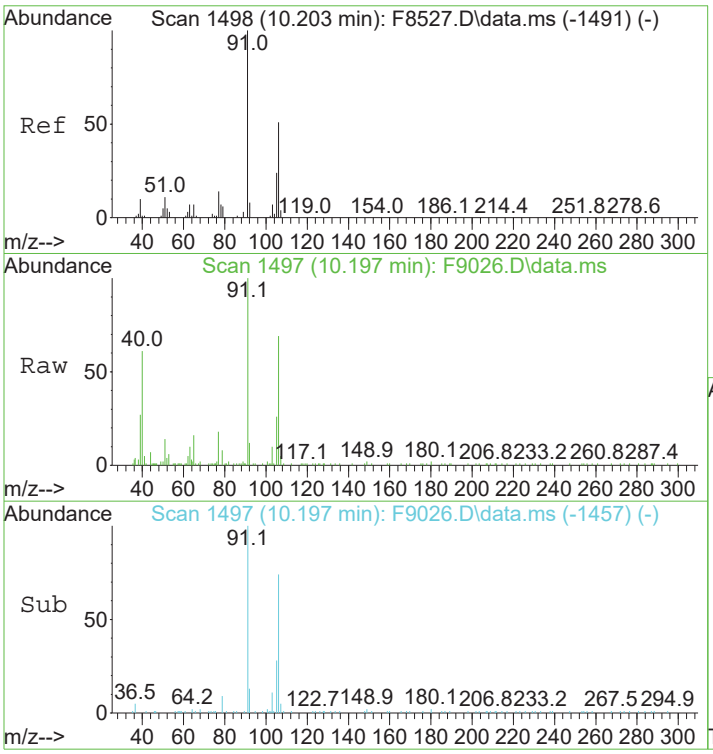


#66
Toluene
Concen: 53.26 ug/L
RT: 8.447 min Scan# 1210
Delta R.T. -0.000 min
Lab File: F9026.D
Acq: 25 Mar 2024 03:51 pm

Tgt Ion: 91 Resp: 617402

Ion	Ratio	Lower	Upper
91	100		
92	59.3	39.2	79.2
65	11.5	0.0	31.9

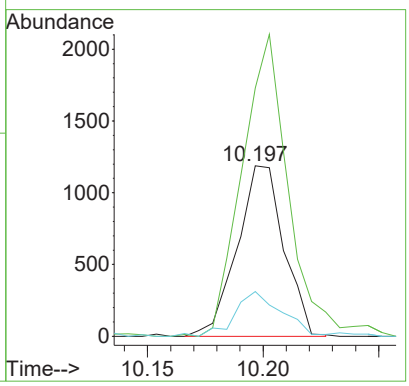




#83
(m+p)Xylene
Concen: 0.33 ug/L
RT: 10.197 min Scan# 1497
Delta R.T. -0.006 min
Lab File: F9026.D
Acq: 25 Mar 2024 03:51 pm

Tgt Ion:106 Resp: 1665

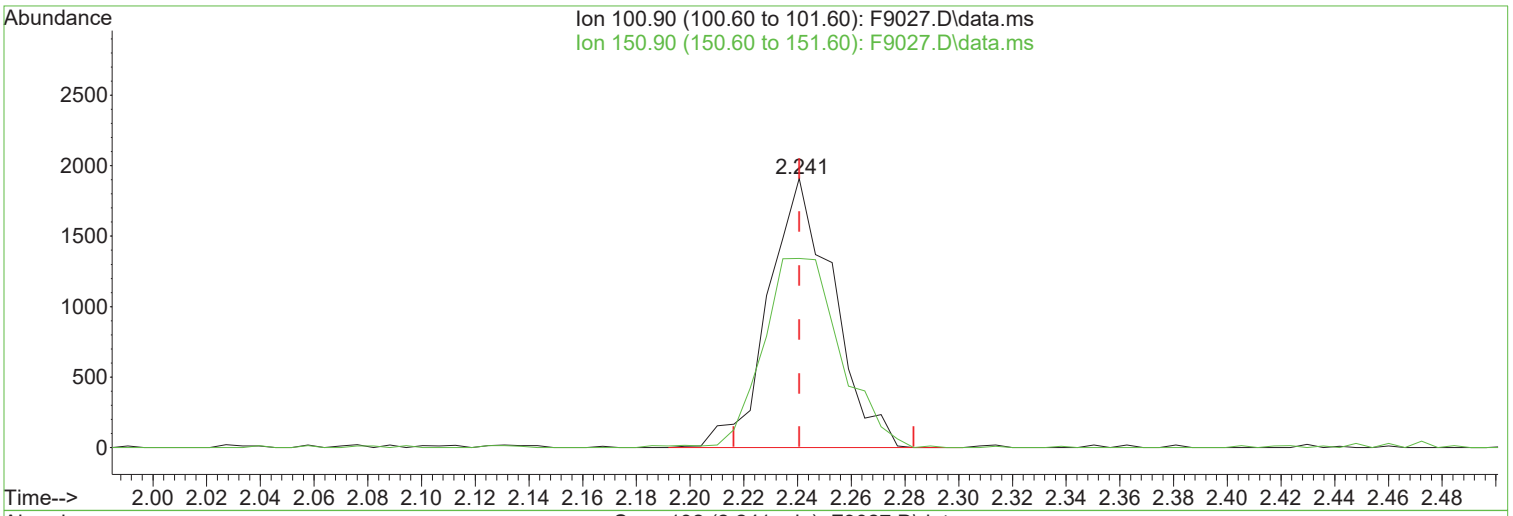
Ion	Ratio	Lower	Upper
106	100		
91	145.5	177.6	217.6#
77	26.2	7.2	47.2

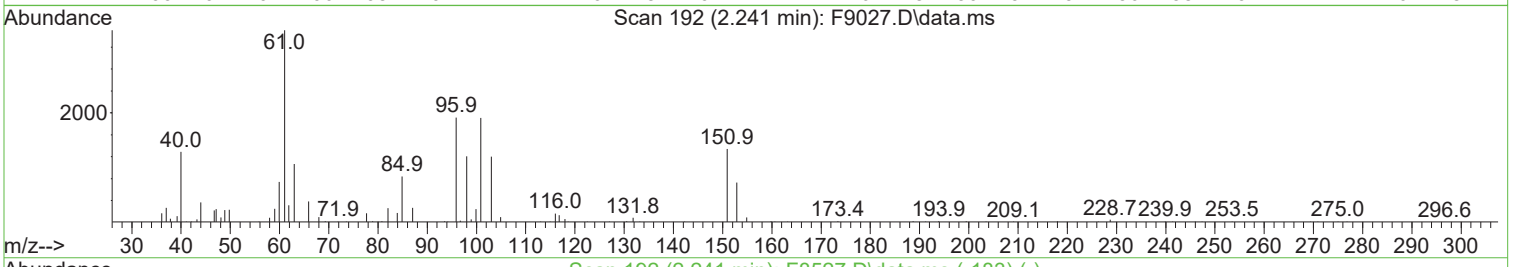


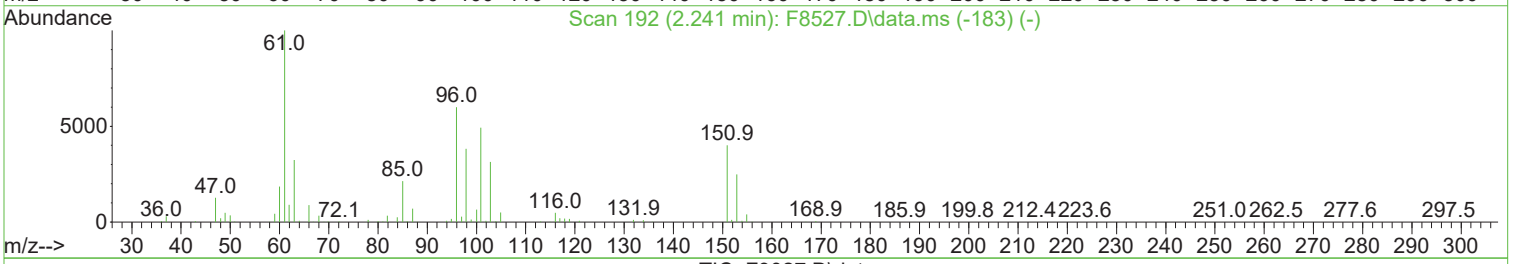
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9027.D
Acq On : 25 Mar 2024 04:13 pm
Operator : F.NAEGLER
Sample : R2402277-008|2.5
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 25 16:29:14 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9027.D\data.ms

(15) Freon 113 (P)

2.241min (-0.000) 1.25 ug/L m

response 3207

Ion	Exp%	Act%
100.90	100.00	100.00
150.90	81.40	70.35
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

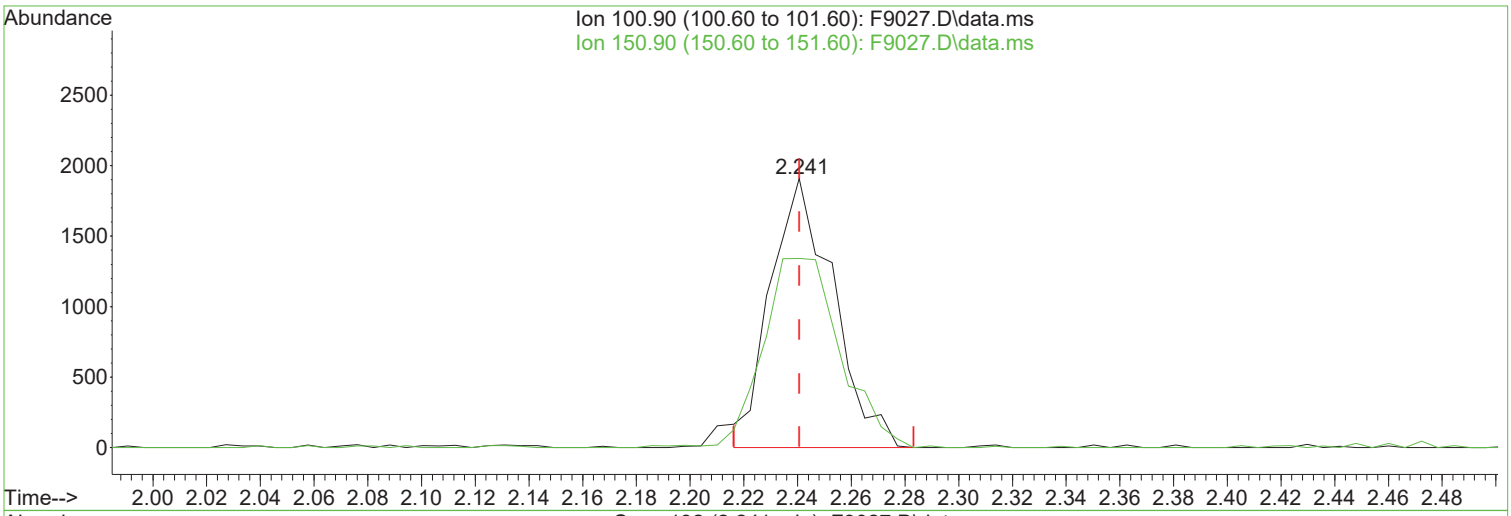
Poor integration.

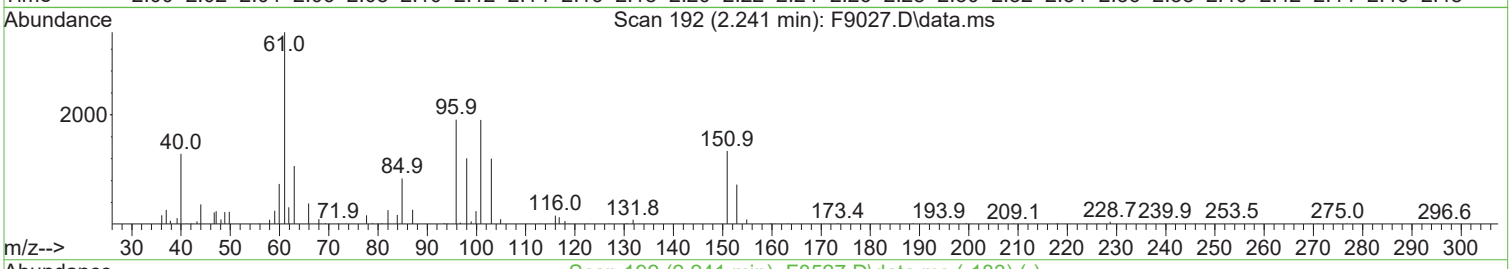
03/26/24

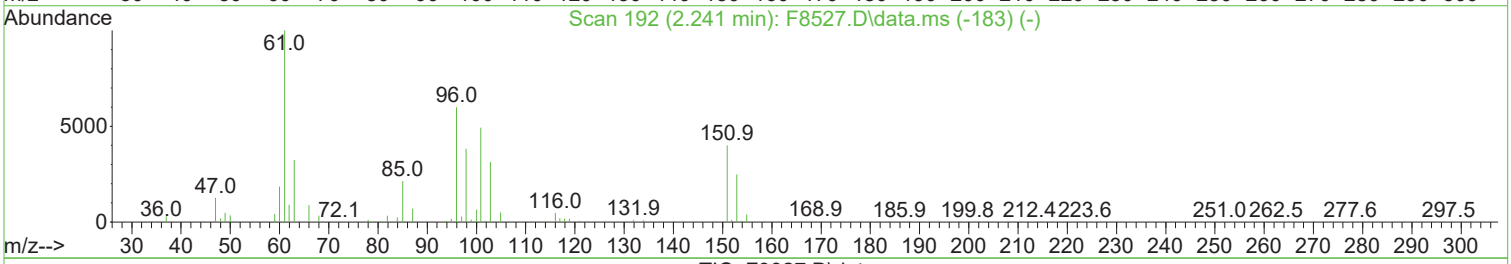
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9027.D
Acq On : 25 Mar 2024 04:13 pm
Operator : F.NAEGLER
Sample : R2402277-008|2.5
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 25 16:29:14 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9027.D\data.ms

(15) Freon 113 (P)

2.241min (-0.000) 1.20 ug/L

response 3083

Ion	Exp%	Act%
100.90	100.00	100.00
150.90	81.40	70.35
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9027.D
Acq On : 25 Mar 2024 04:13 pm
Operator : F.NAEGLER
Sample : R2402277-008|2.5
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 25 16:29:14 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

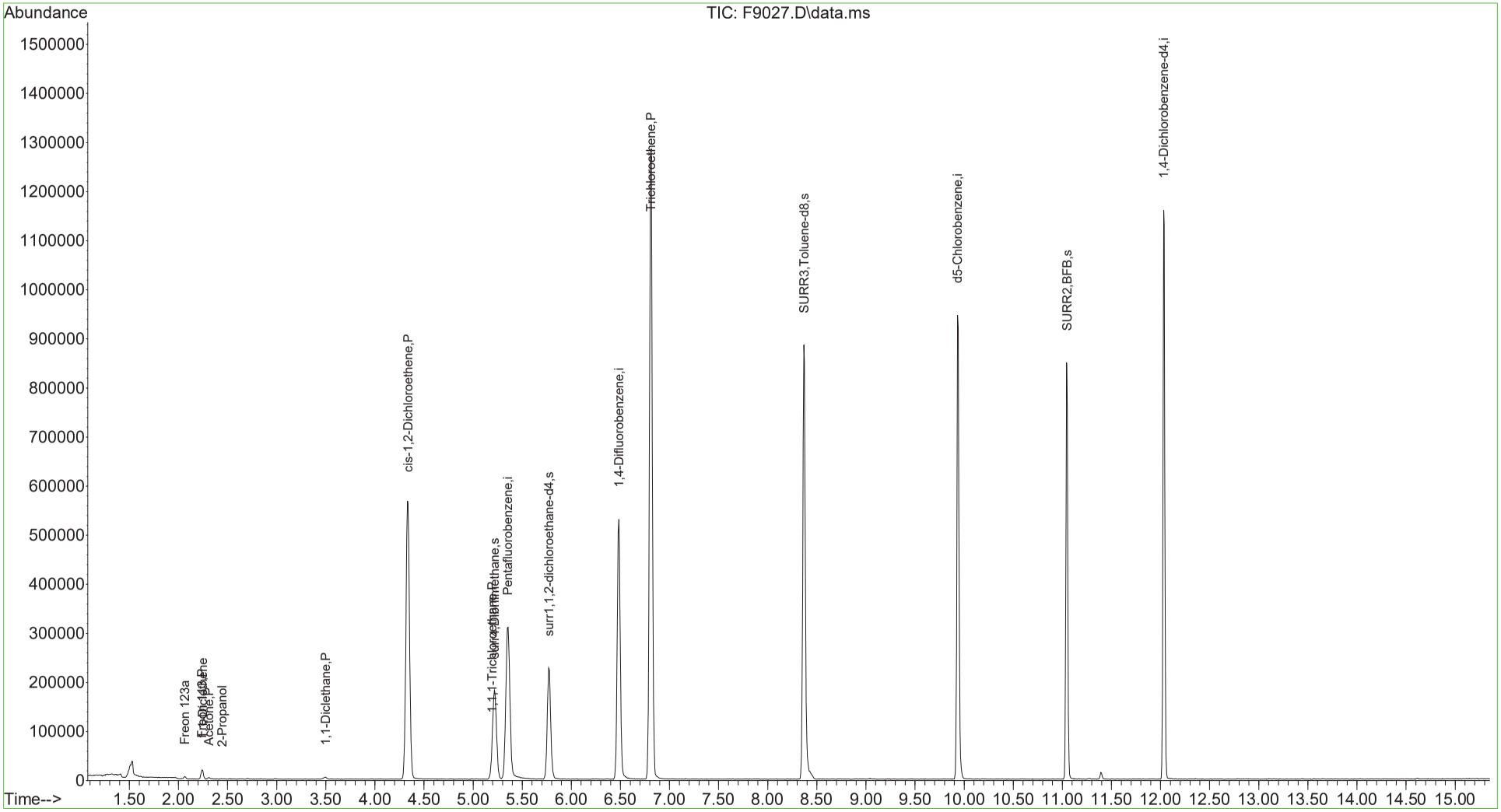
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.356	168	335643	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.484	114	491903	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.934	117	454283	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.031	152	236953	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.216	113	148976	48.12	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.24%				
48) surr1,1,2-dichloroetha...	5.770	65	192192	49.67	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.34%				
65) SURR3,Toluene-d8	8.367	98	597203	51.68	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.36%				
70) SURR2,BFB	11.044	95	204882	47.51	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.02%				
Target Compounds							Qvalue
11) Freon 123a	2.064	67	1956	0.587	ug/L		93
14) 1,1-Diclethene	2.247	96	3196	1.254	ug/L	#	79
15) Freon 113	2.241	101	3207m	1.246	ug/L		
16) Acetone	2.308	43	3467	1.884	ug/L		94
17) 2-Propanol	2.448	45	357	1.158	ug/L		87
28) 1,1-Diclethane	3.496	63	4229	0.814	ug/L		86
34) cis-1,2-Dichloroethene	4.338	96	330680	103.170	ug/L	#	82
41) 1,1,1-Trichloroethane	5.191	97	3191	0.817	ug/L		91
54) Trichloroethene	6.813	130	464906	159.562	ug/L		99

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

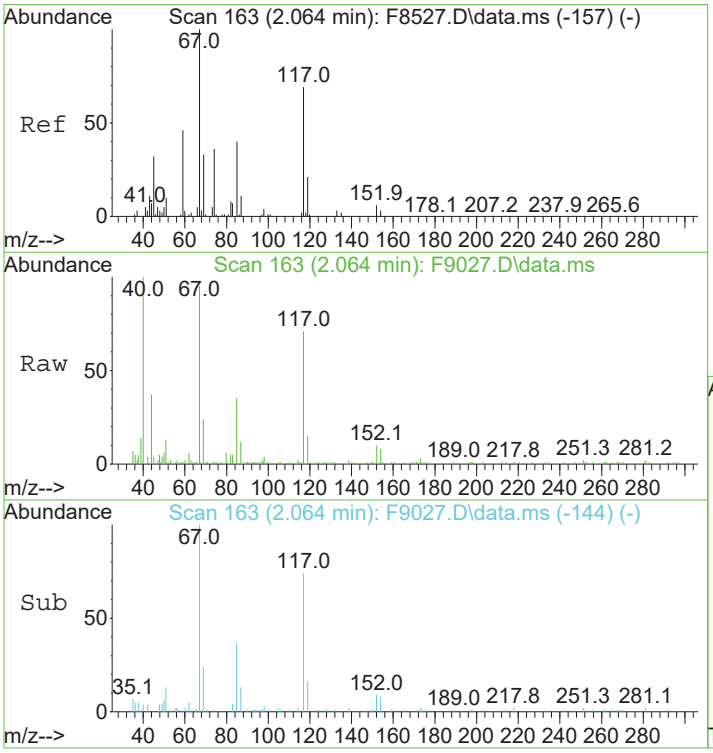
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9027.D
Acq On : 25 Mar 2024 04:13 pm
Operator : F.NAEGLER
Sample : R2402277-008|2.5
Misc : VCG 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 25 16:29:14 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



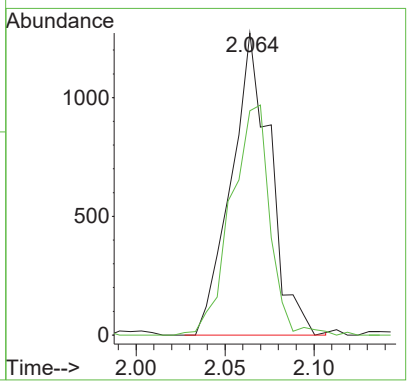
1st FJ 03/26/24
2nd [illegible] 03/26/24

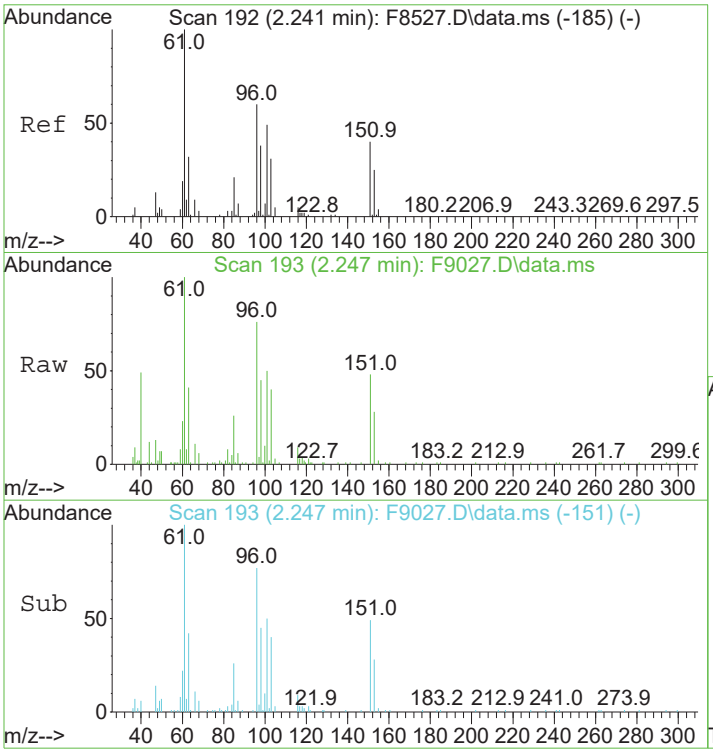


#11
Freon 123a
Concen: 0.59 ug/L
RT: 2.064 min Scan# 163
Delta R.T. -0.000 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion: 67 Resp: 1956

Ion	Ratio	Lower	Upper
67	100		
117	74.3	48.9	88.9

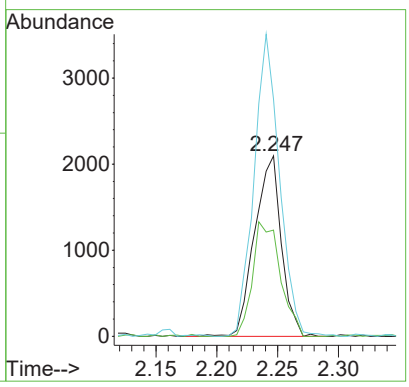


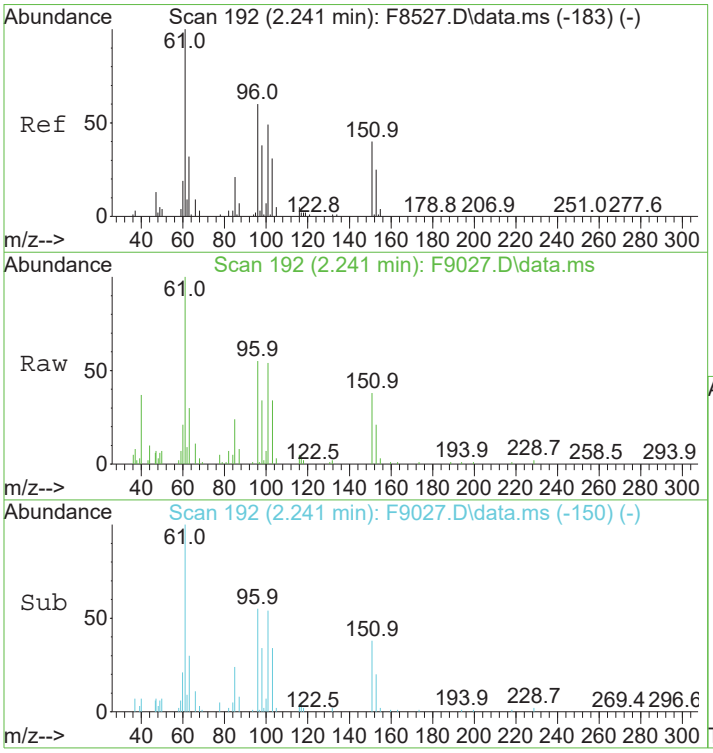


#14
1,1-Diclethene
Concen: 1.25 ug/L
RT: 2.247 min Scan# 193
Delta R.T. 0.006 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion: 96 Resp: 3196

Ion	Ratio	Lower	Upper
96	100		
98	58.8	43.8	83.8
61	131.4	146.9	186.9#

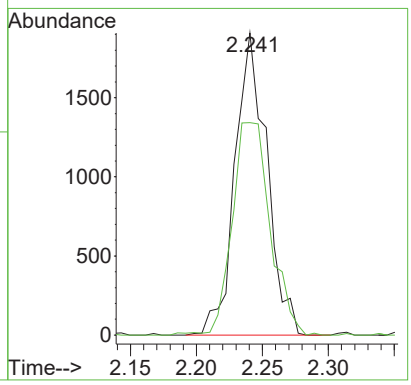


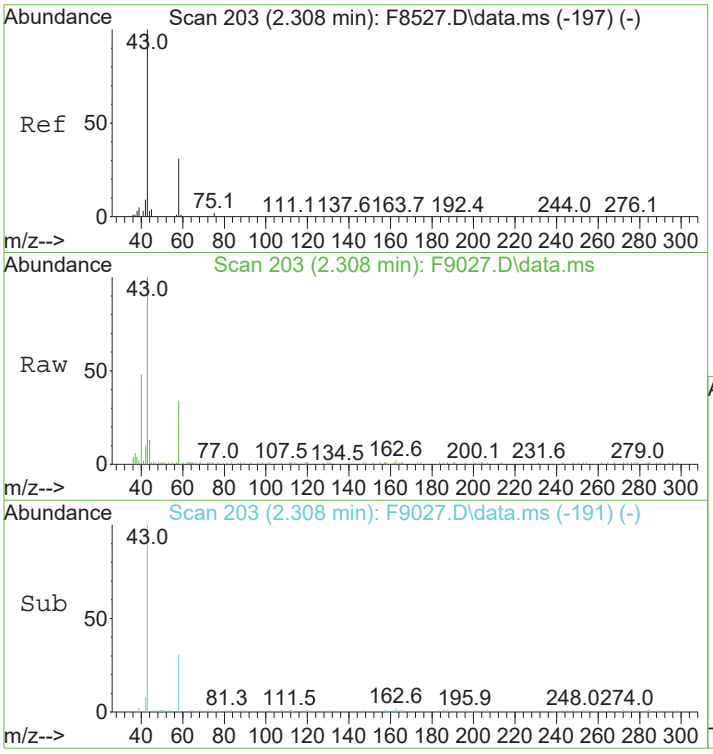


#15
Freon 113
Concen: 1.25 ug/L m
RT: 2.241 min Scan# 192
Delta R.T. -0.000 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion:101 Resp: 3207

Ion	Ratio	Lower	Upper
101	100		
151	70.4	61.4	101.4

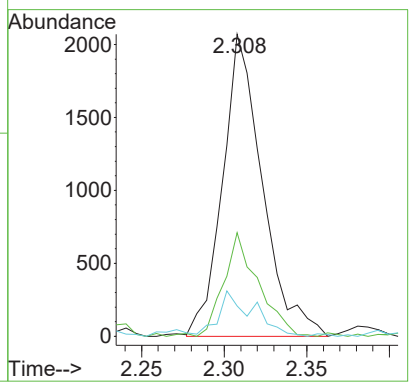


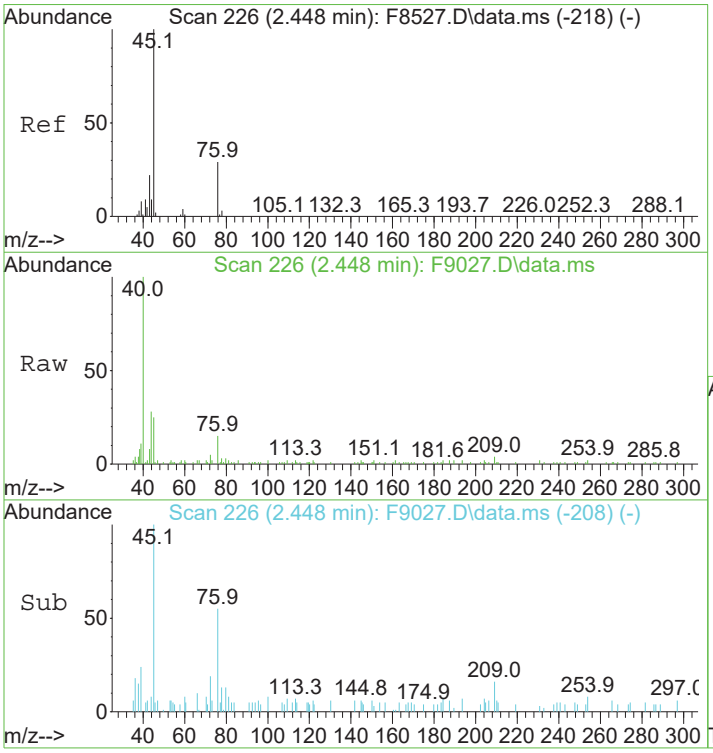


#16
Acetone
Concen: 1.88 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion: 43 Resp: 3467

Ion	Ratio	Lower	Upper
43	100		
58	34.3	10.6	50.6
42	10.0	0.0	28.7

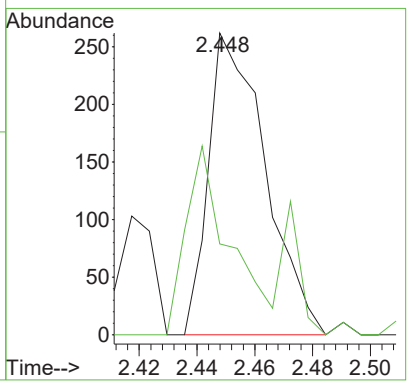


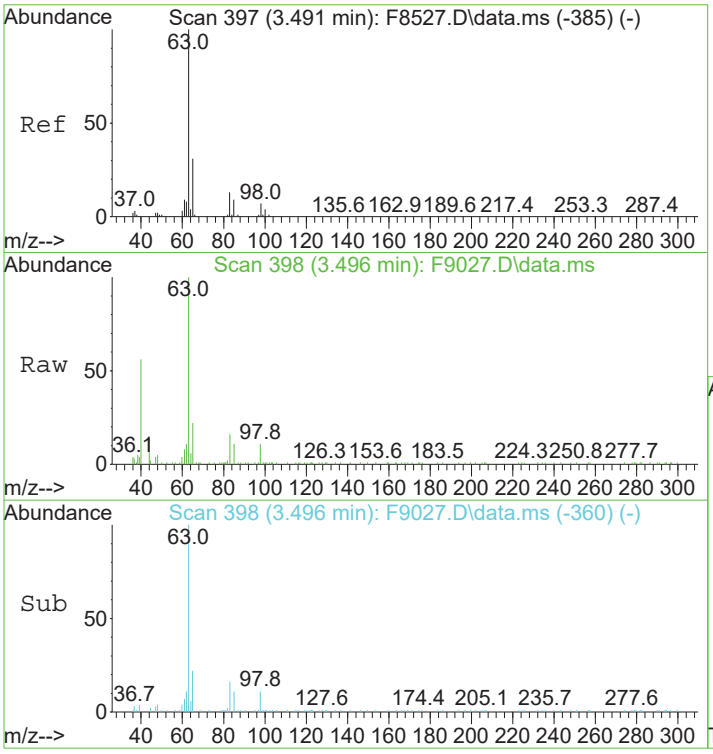


#17
2-Propanol
Concen: 1.16 ug/L
RT: 2.448 min Scan# 226
Delta R.T. -0.000 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion: 45 Resp: 357

Ion	Ratio	Lower	Upper
45	100		
43	28.8	2.6	42.6

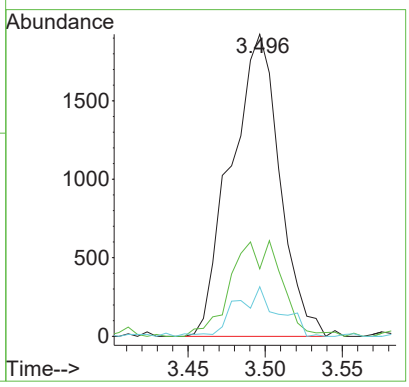


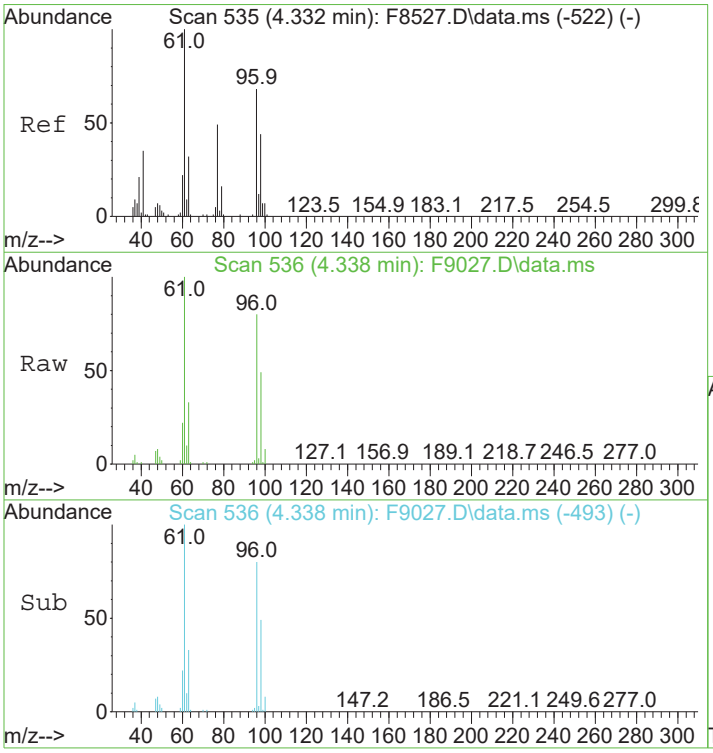


#28
1,1-Diclethane
Concen: 0.81 ug/L
RT: 3.496 min Scan# 398
Delta R.T. 0.006 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion: 63 Resp: 4229

Ion	Ratio	Lower	Upper
63	100		
65	22.3	11.0	51.0
83	16.4	0.0	32.9

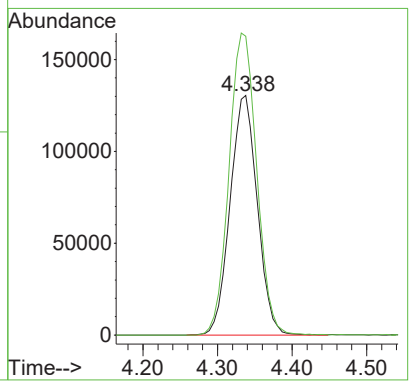


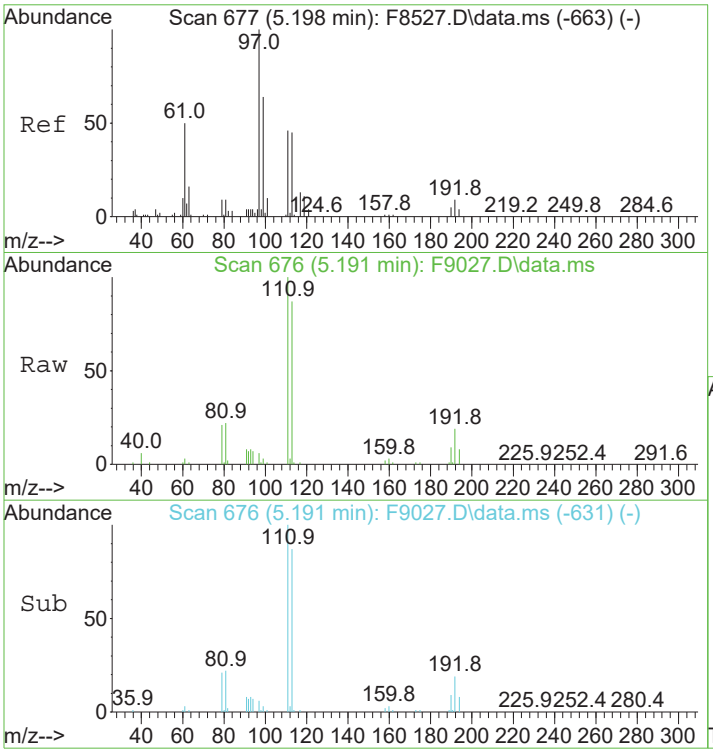


#34
cis-1,2-Dichloroethene
Concen: 103.17 ug/L
RT: 4.338 min Scan# 536
Delta R.T. 0.006 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion: 96 Resp: 330680

Ion	Ratio	Lower	Upper
96	100		
61	124.8	127.4	167.4#

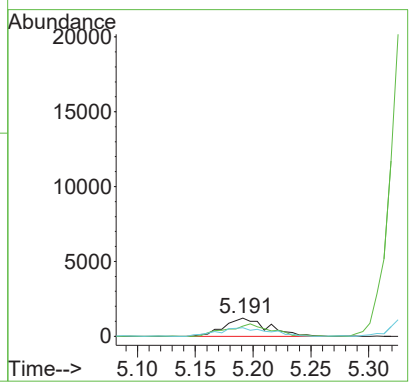


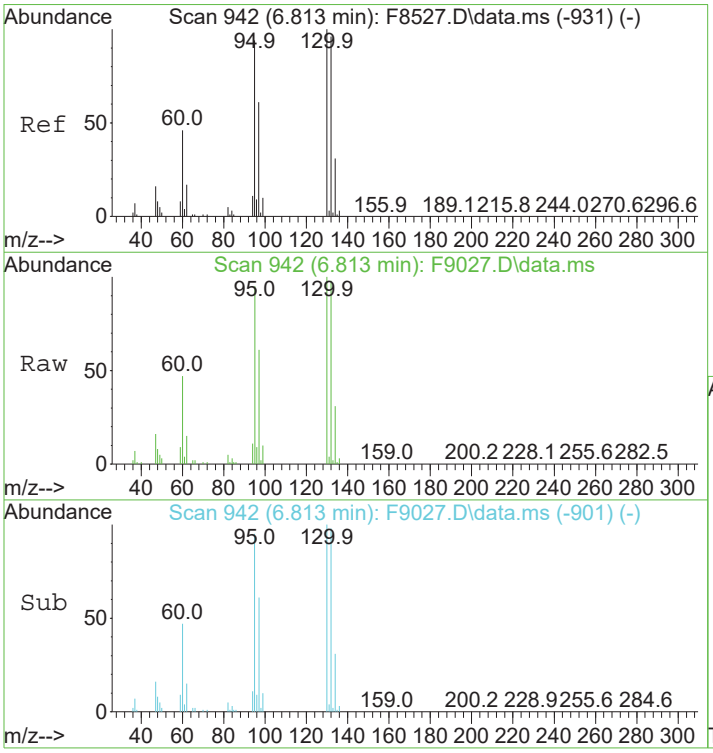


#41
1,1,1-Trichloroethane
Concen: 0.82 ug/L
RT: 5.191 min Scan# 676
Delta R.T. -0.006 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion: 97 Resp: 3191

Ion	Ratio	Lower	Upper
97	100		
99	55.0	43.5	83.5
61	46.3	30.3	70.3

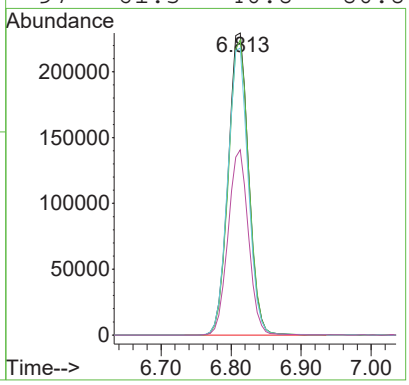




#54
Trichloroethene
Concen: 159.56 ug/L
RT: 6.813 min Scan# 942
Delta R.T. -0.000 min
Lab File: F9027.D
Acq: 25 Mar 2024 04:13 pm

Tgt Ion:130 Resp: 464906

Ion	Ratio	Lower	Upper
130	100		
132	97.7	76.0	116.0
95	95.0	73.7	113.7
97	61.3	40.8	80.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9028.D
Acq On : 25 Mar 2024 04:45 pm
Operator : F.NAEGLER
Sample : R2402277-009|2.5
Misc : VCG 6646 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 08:09:30 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

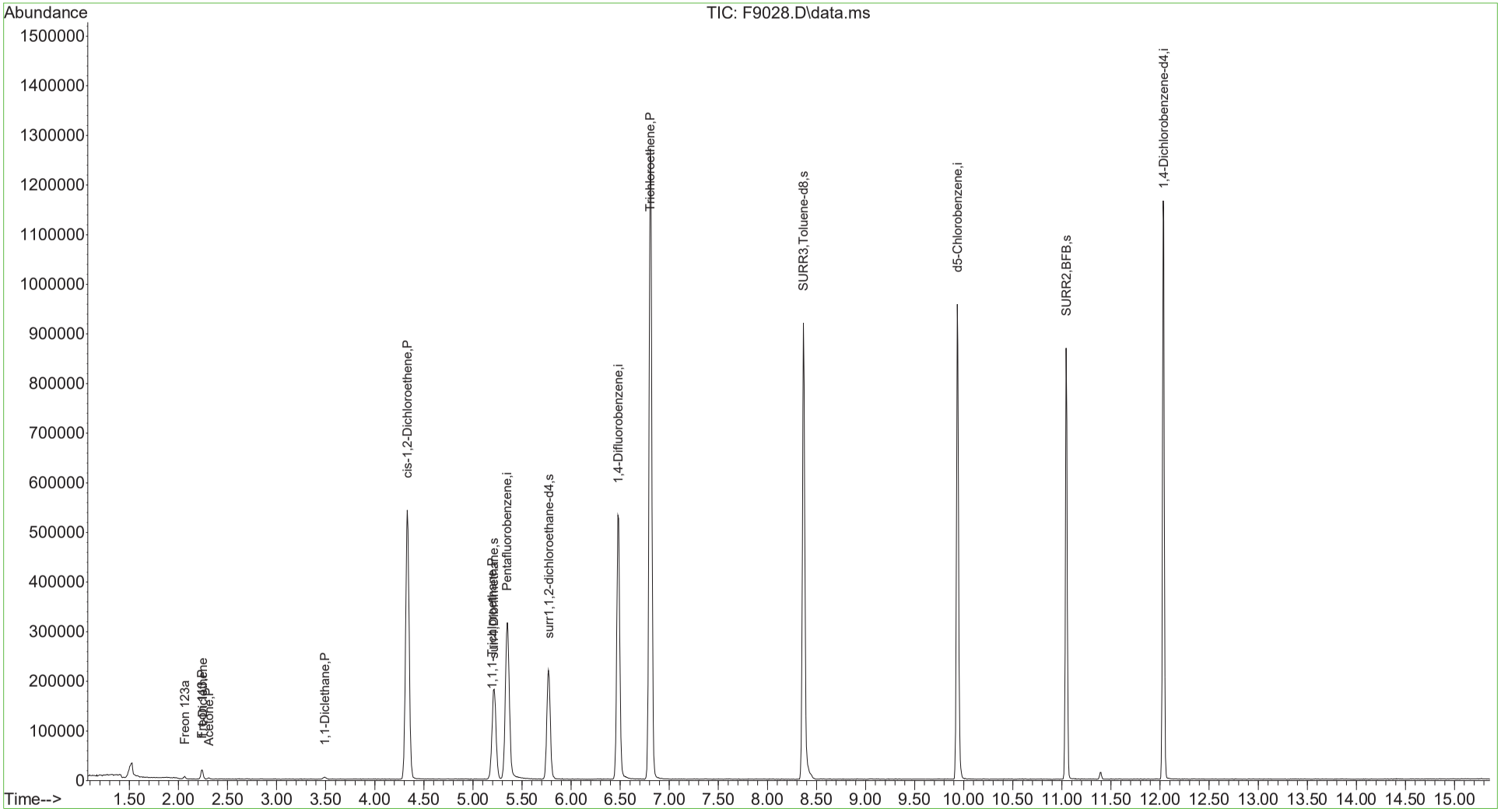
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.350	168	331238	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.478	114	500329	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	454004	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	237096	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.210	113	150063	47.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.30%			
48) surr1,1,2-dichloroetha...	5.770	65	193764	49.23	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.46%			
65) SURR3,Toluene-d8	8.367	98	605911	51.55	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.10%			
70) SURR2,BFB	11.044	95	206956	47.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.36%			
Target Compounds						Qvalue
11) Freon 123a	2.064	67	2230	0.678	ug/L	89
14) 1,1-Diclethene	2.247	96	3067	1.220	ug/L #	82
15) Freon 113	2.235	101	3447	1.357	ug/L	87
16) Acetone	2.308	43	2584	1.423	ug/L	87
28) 1,1-Diclethane	3.490	63	4610	0.899	ug/L	97
34) cis-1,2-Dichloroethene	4.332	96	310053	98.021	ug/L	85
41) 1,1,1-Trichloroethane	5.197	97	3136	0.814	ug/L	83
54) Trichloroethene	6.807	130	453722	153.101	ug/L	99

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

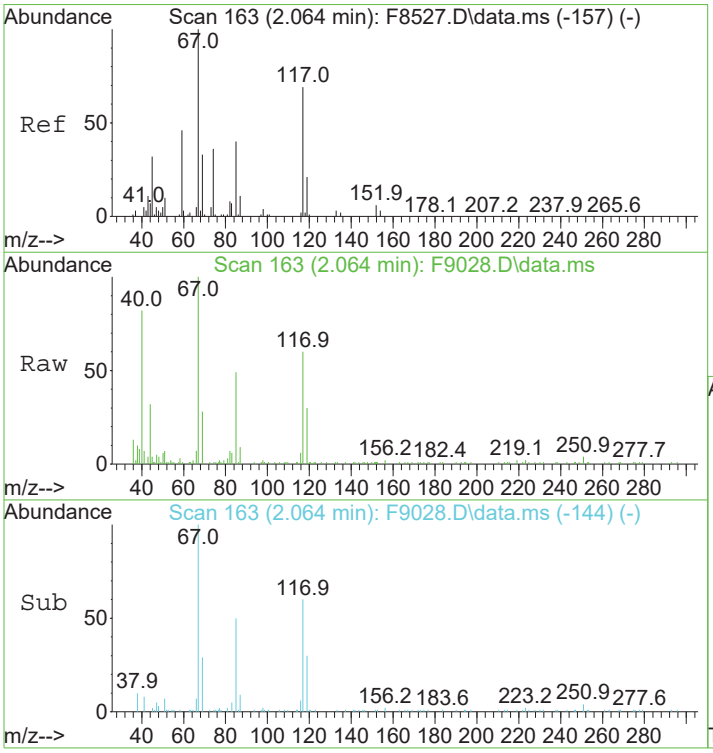
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9028.D
Acq On : 25 Mar 2024 04:45 pm
Operator : F.NAEGLER
Sample : R2402277-009|2.5
Misc : VCG 6646 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 08:09:30 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



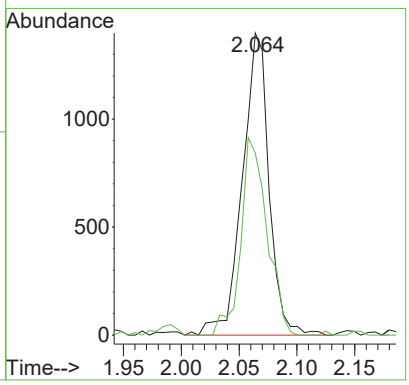
1st FJ 03/26/24
2nd [illegible] 03/26/24

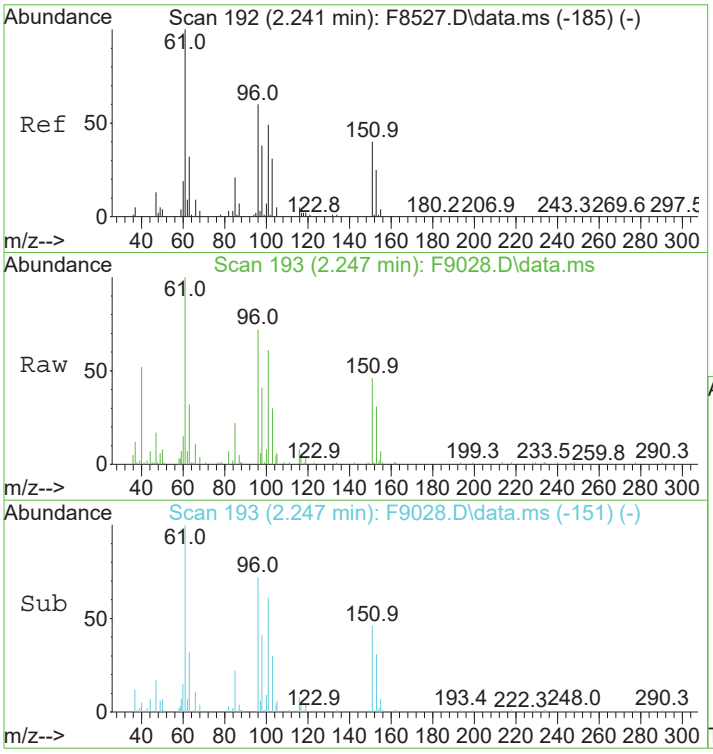


#11
Freon 123a
Concen: 0.68 ug/L
RT: 2.064 min Scan# 163
Delta R.T. -0.000 min
Lab File: F9028.D
Acq: 25 Mar 2024 04:45 pm

Tgt Ion: 67 Resp: 2230

Ion	Ratio	Lower	Upper
67	100		
117	60.3	48.9	88.9

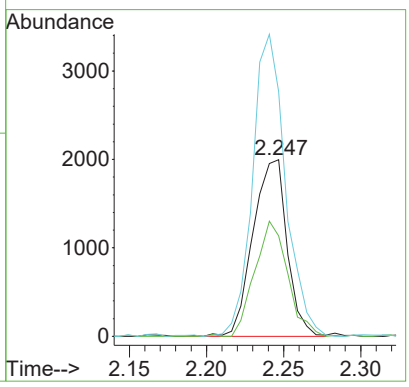


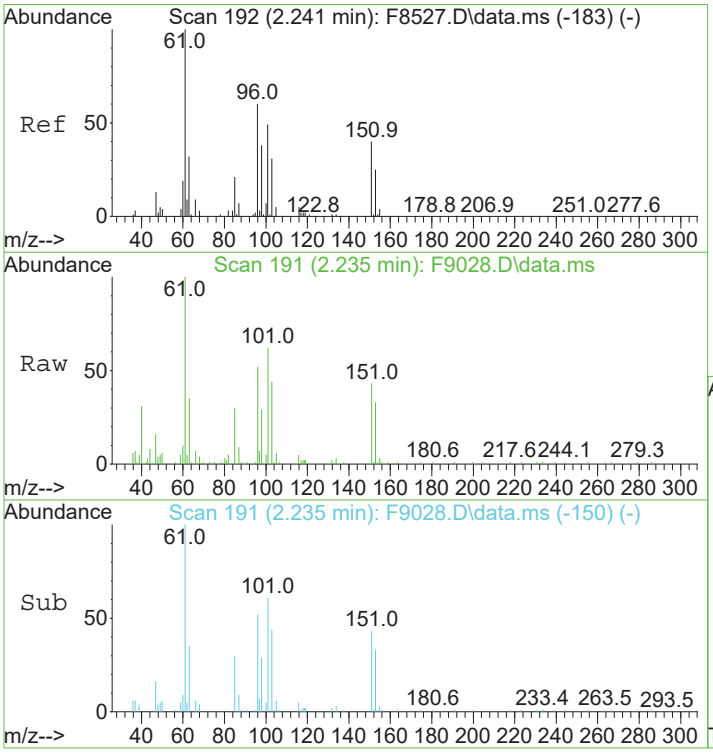


#14
1,1-Diclethene
Concen: 1.22 ug/L
RT: 2.247 min Scan# 193
Delta R.T. 0.006 min
Lab File: F9028.D
Acq: 25 Mar 2024 04:45 pm

Tgt Ion: 96 Resp: 3067

Ion	Ratio	Lower	Upper
96	100		
98	57.0	43.8	83.8
61	138.6	146.9	186.9#

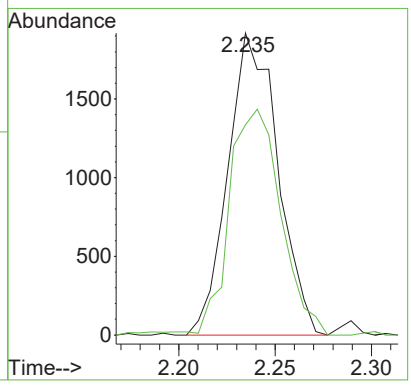


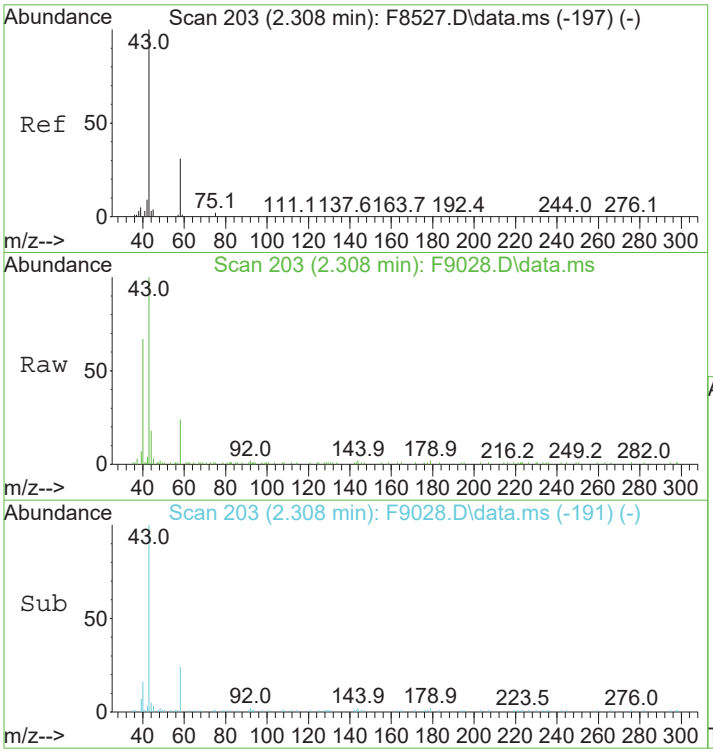


#15
Freon 113
Concen: 1.36 ug/L
RT: 2.235 min Scan# 191
Delta R.T. -0.006 min
Lab File: F9028.D
Acq: 25 Mar 2024 04:45 pm

Tgt Ion:101 Resp: 3447

Ion	Ratio	Lower	Upper
101	100		
151	69.6	61.4	101.4

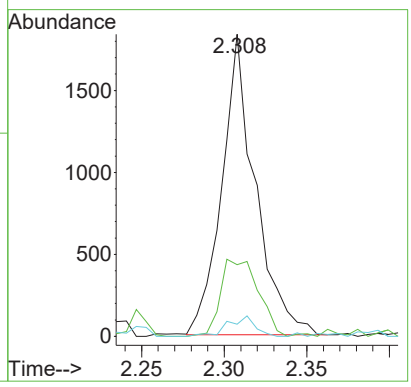


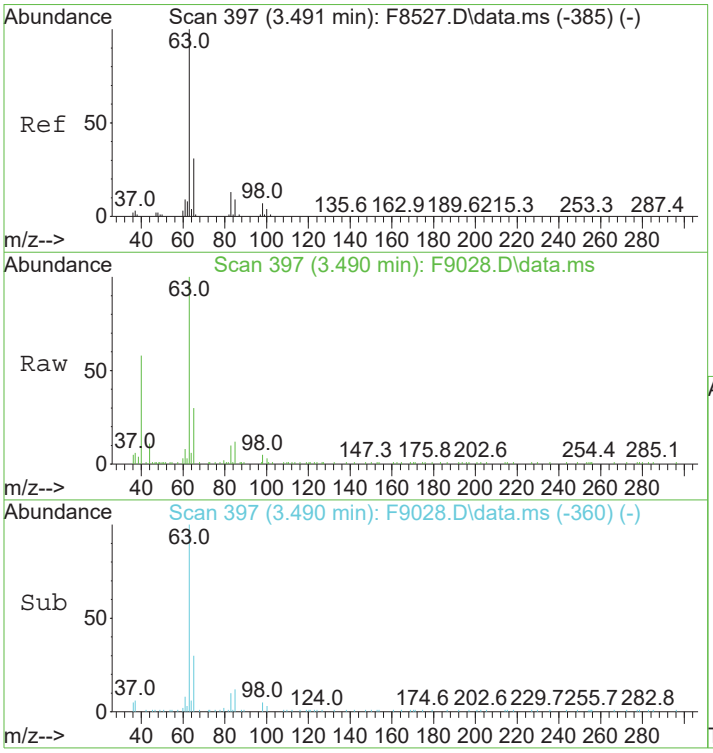


#16
Acetone
Concen: 1.42 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F9028.D
Acq: 25 Mar 2024 04:45 pm

Tgt Ion: 43 Resp: 2584

Ion	Ratio	Lower	Upper
43	100		
58	23.7	10.6	50.6
42	4.0	0.0	28.7

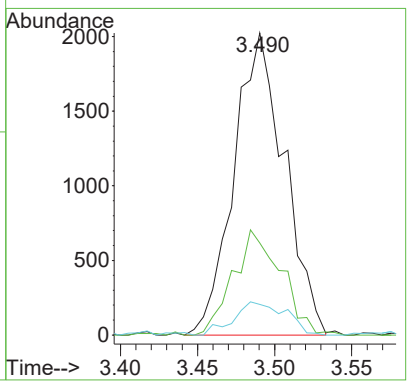


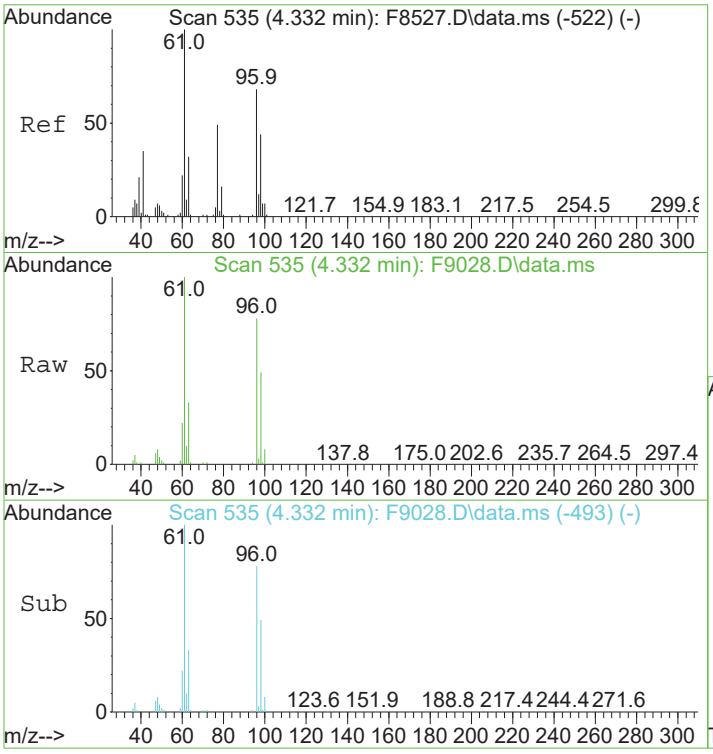


#28
1,1-Diclethane
Concen: 0.90 ug/L
RT: 3.490 min Scan# 397
Delta R.T. -0.000 min
Lab File: F9028.D
Acq: 25 Mar 2024 04:45 pm

Tgt Ion: 63 Resp: 4610

Ion	Ratio	Lower	Upper
63	100		
65	30.4	11.0	51.0
83	10.1	0.0	32.9

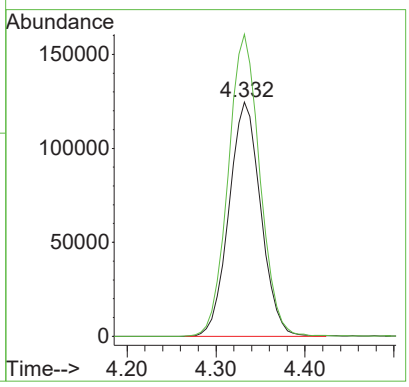


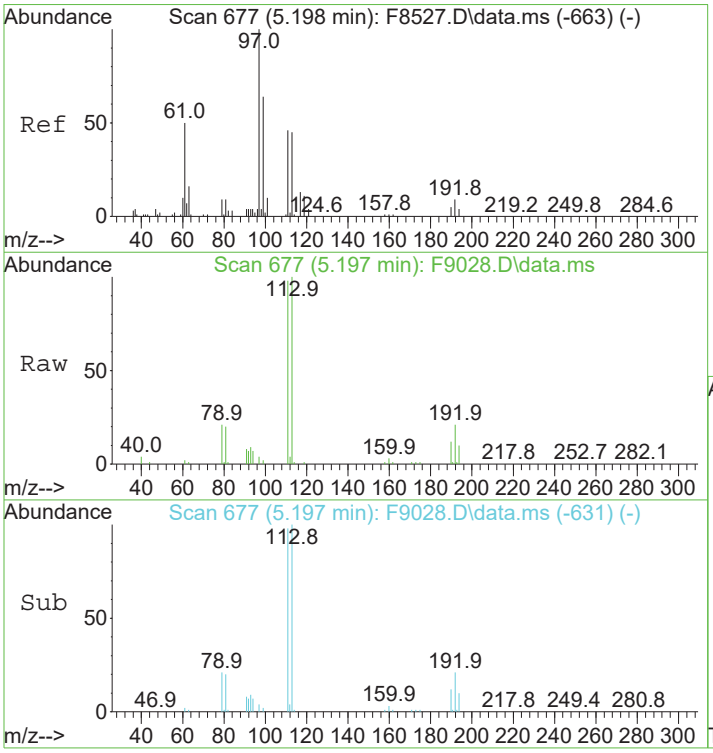


#34
cis-1,2-Dichloroethene
Concen: 98.02 ug/L
RT: 4.332 min Scan# 535
Delta R.T. -0.000 min
Lab File: F9028.D
Acq: 25 Mar 2024 04:45 pm

Tgt Ion: 96 Resp: 310053

Ion	Ratio	Lower	Upper
96	100		
61	129.0	127.4	167.4

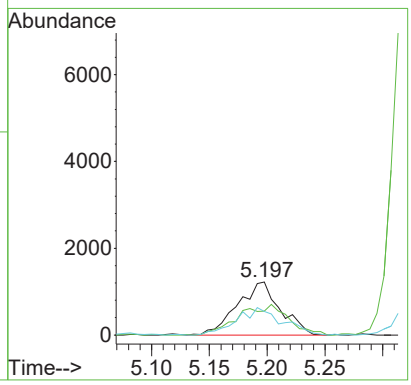


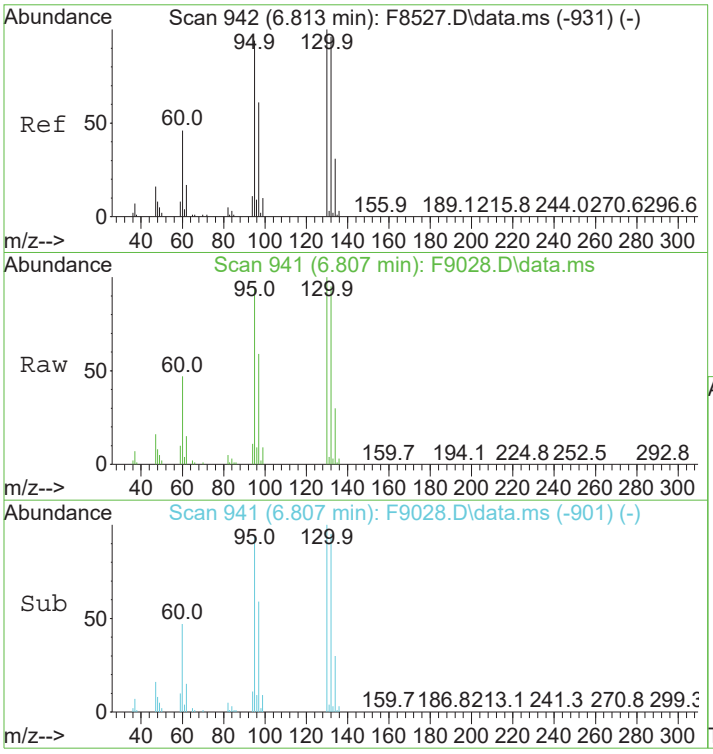


#41
1,1,1-Trichloroethane
Concen: 0.81 ug/L
RT: 5.197 min Scan# 677
Delta R.T. -0.000 min
Lab File: F9028.D
Acq: 25 Mar 2024 04:45 pm

Tgt Ion: 97 Resp: 3136

Ion	Ratio	Lower	Upper
97	100		
99	44.9	43.5	83.5
61	44.7	30.3	70.3

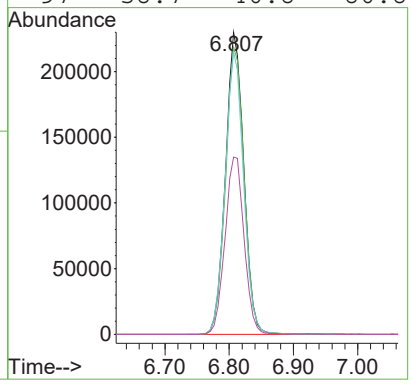




#54
Trichloroethene
Concen: 153.10 ug/L
RT: 6.807 min Scan# 941
Delta R.T. -0.006 min
Lab File: F9028.D
Acq: 25 Mar 2024 04:45 pm

Tgt Ion:130 Resp: 453722

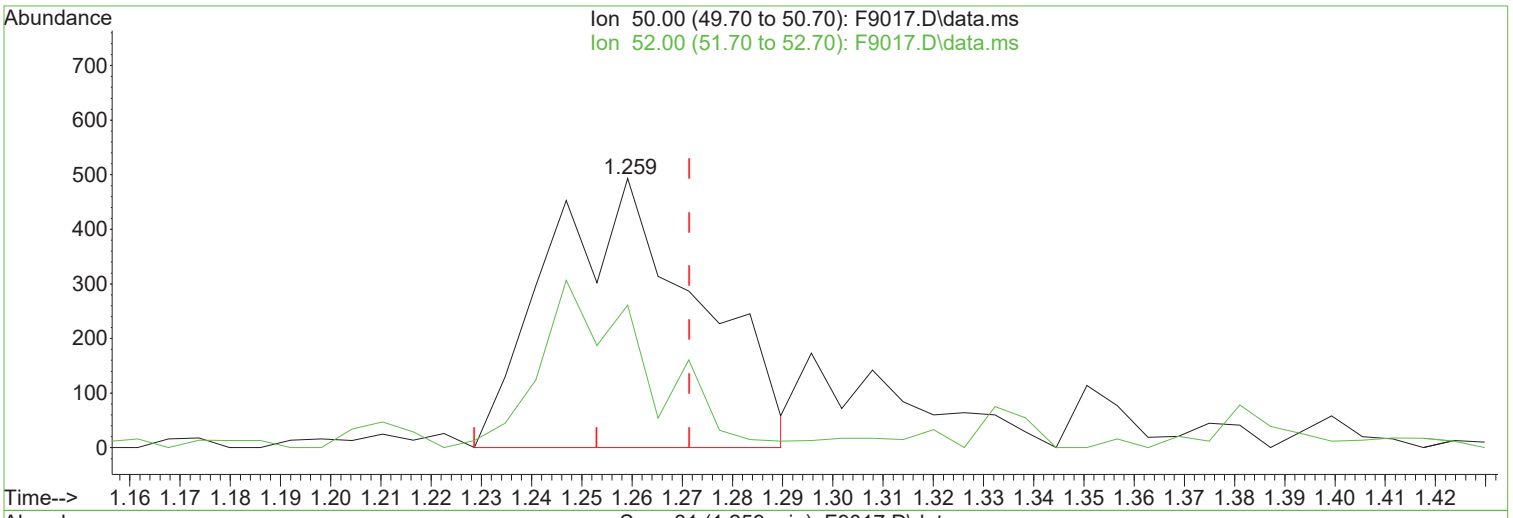
Ion	Ratio	Lower	Upper
130	100		
132	95.2	76.0	116.0
95	93.6	73.7	113.7
97	58.7	40.8	80.8

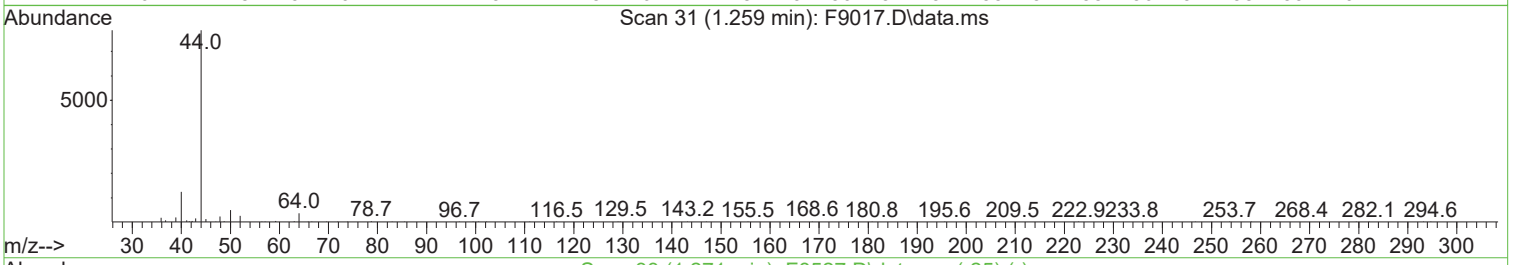


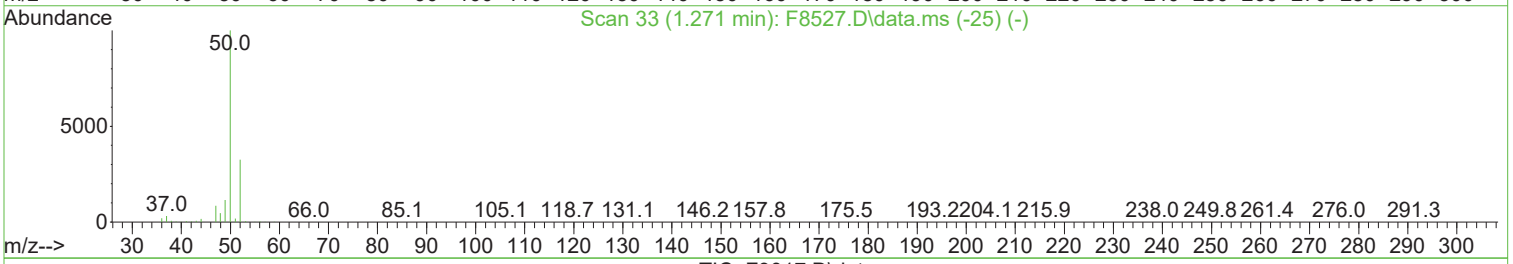
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9017.D
Acq On : 25 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:35:58 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9017.D\data.ms

(4) Chloromethane (P)

1.259min (-0.012) 0.24 ug/L m

response 1026

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.70	52.94#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

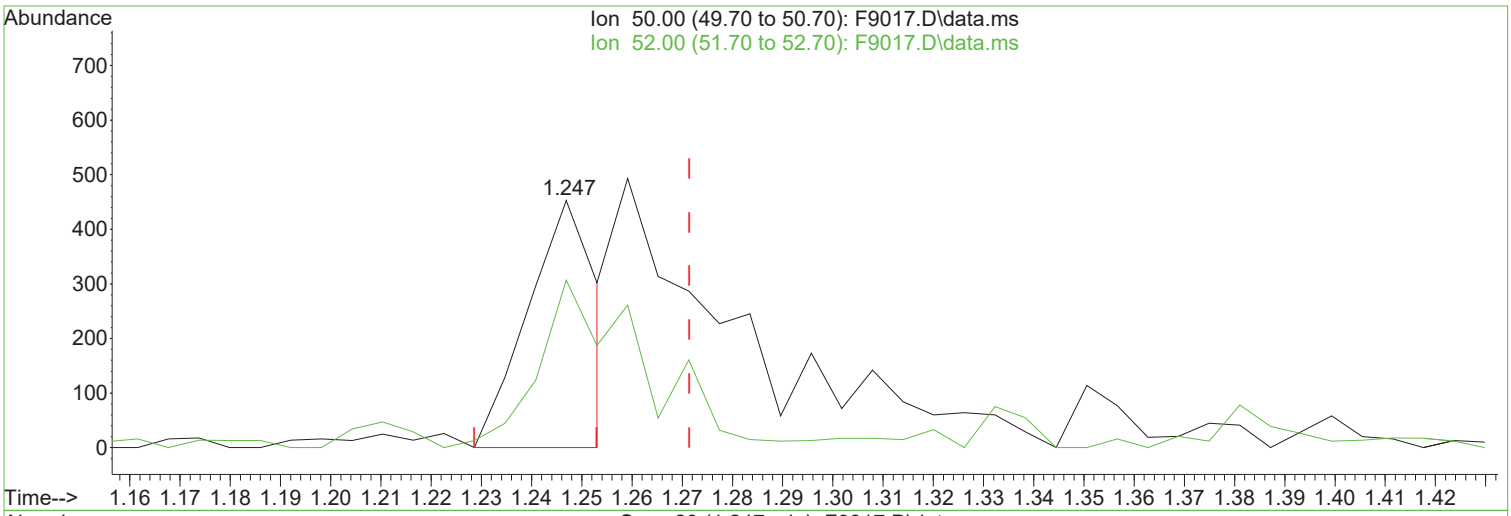
Poor integration.

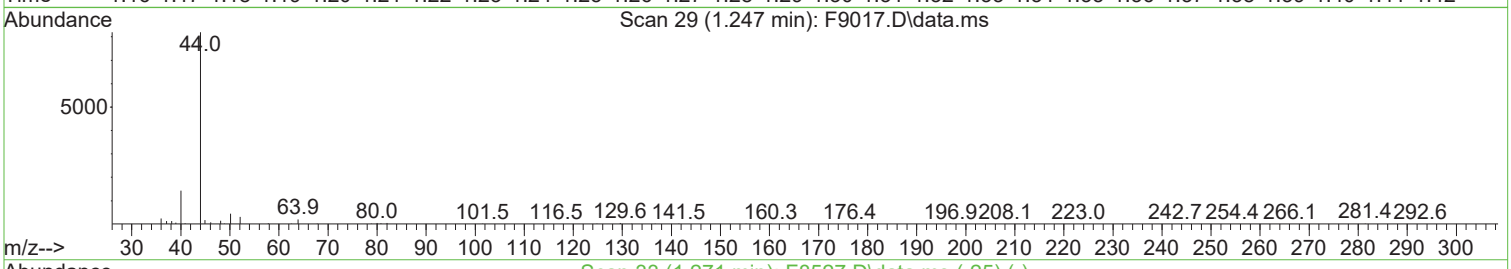
03/25/24

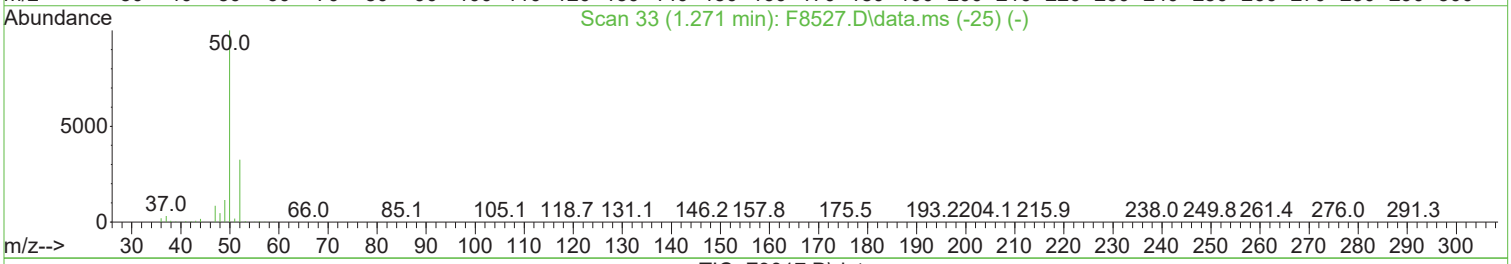
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9017.D
Acq On : 25 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:35:58 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9017.D\data.ms

(4) Chloromethane (P) **Manual Integration:**

1.247min (-0.025) 0.10 ug/L **Before**

response 432

Ion	Exp%	Act%	
50.00	100.00	100.00	03/25/24
52.00	32.70	67.77#	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9017.D
Acq On : 25 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:35:58 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

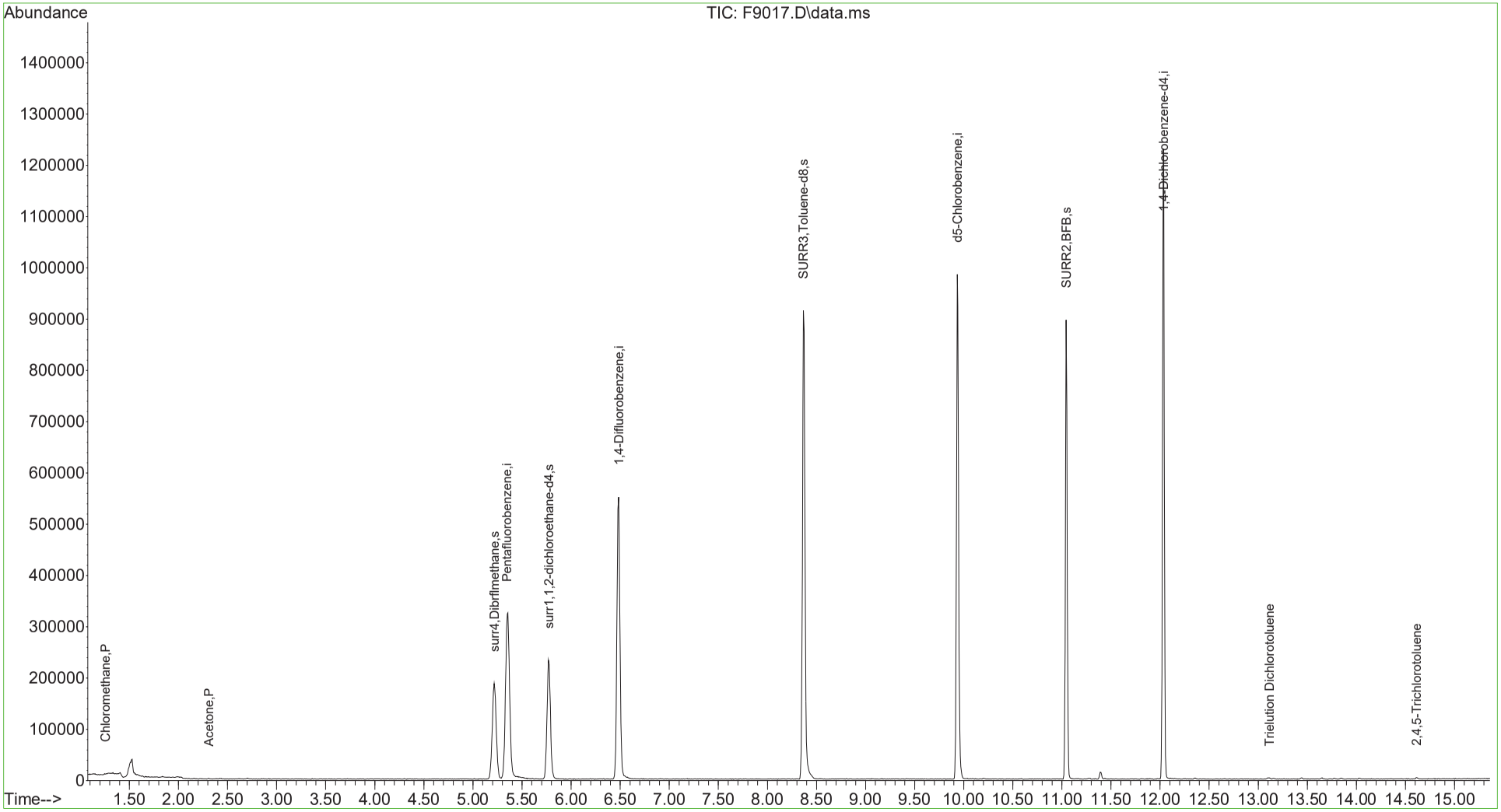
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.350	168	350464	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	515209	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	470005	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.037	152	251078	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	154123	47.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.06%			
48) surr1,1,2-dichloroetha...	5.770	65	197564	48.75	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.50%			
65) SURR3,Toluene-d8	8.367	98	608746	50.30	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.60%			
70) SURR2,BFB	11.044	95	210469	46.60	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.20%			
Target Compounds						Qvalue
4) Chloromethane	1.259	50	1026m	0.239	ug/L	
16) Acetone	2.308	43	907	0.472	ug/L	71
112) Trielution Dichlorotol...	13.110	125	1145	0.208	ug/L	91
119) 2,4,5-Trichlorotoluene	14.616	159	813	0.254	ug/L	91

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

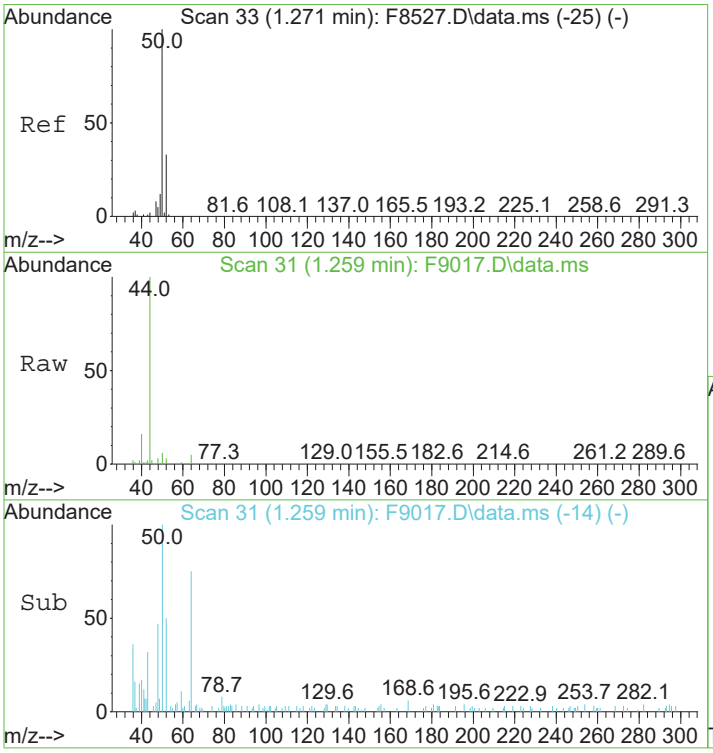
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9017.D
Acq On : 25 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:35:58 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



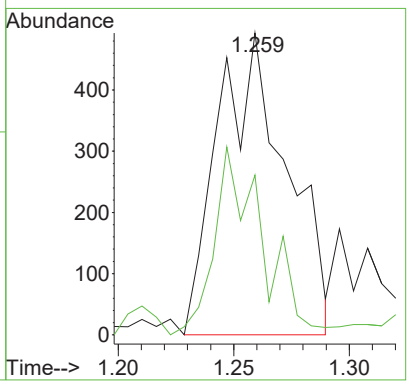
1st FJ 03/25/24
2nd 03/26/24

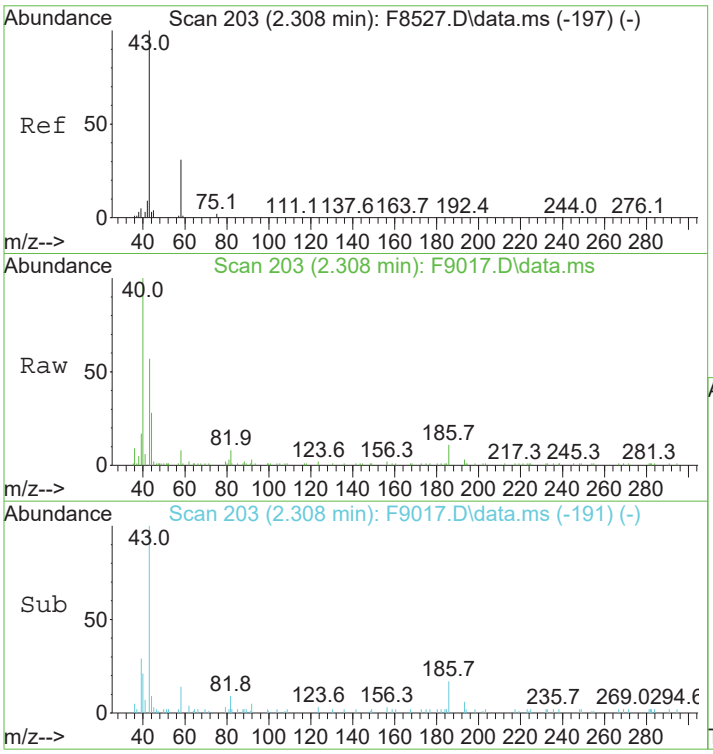


#4
Chloromethane
Concen: 0.24 ug/L m
RT: 1.259 min Scan# 31
Delta R.T. -0.012 min
Lab File: F9017.D
Acq: 25 Mar 2024 12:20 pm

Tgt Ion: 50 Resp: 1026

Ion	Ratio	Lower	Upper
50	100		
52	52.9	12.7	52.7#

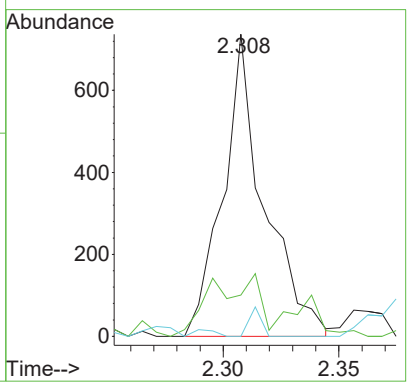


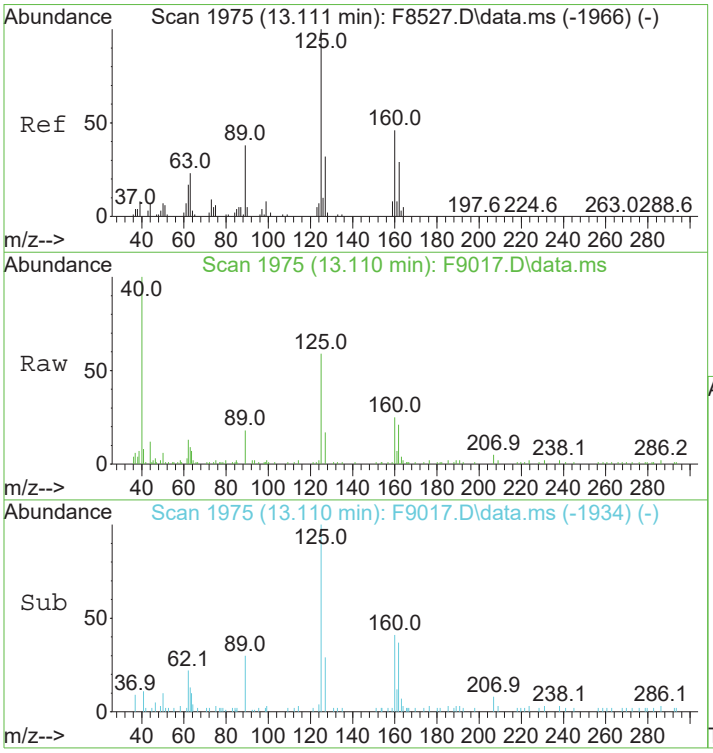


#16
Acetone
Concen: 0.47 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F9017.D
Acq: 25 Mar 2024 12:20 pm

Tgt Ion: 43 Resp: 907

Ion	Ratio	Lower	Upper
43	100		
58	13.7	10.6	50.6
42	0.0	0.0	28.7

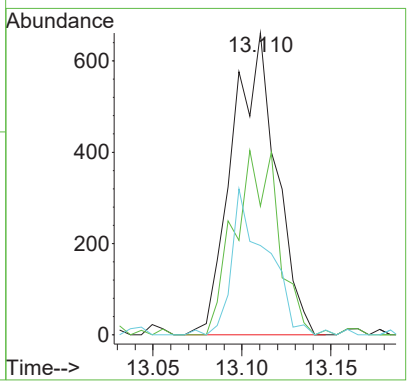


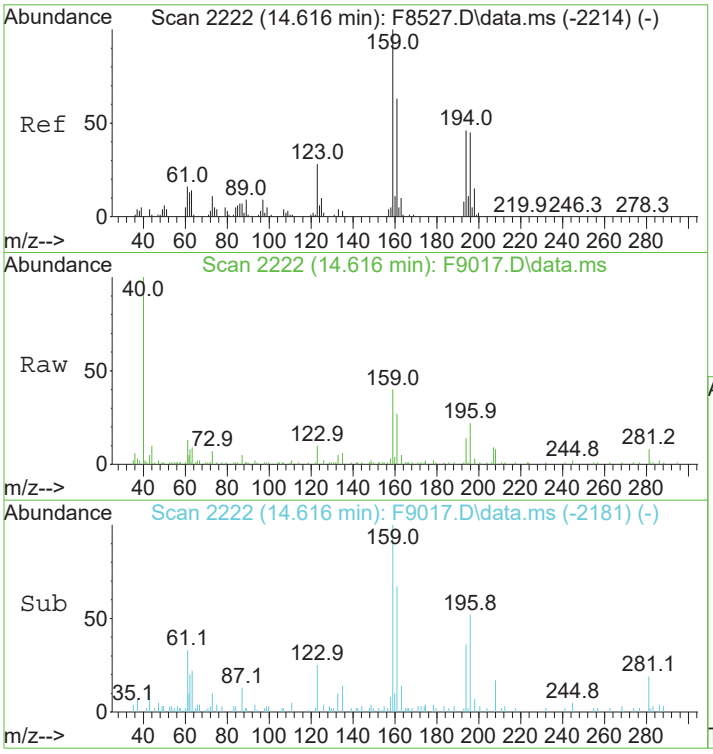


#112
Trielution Dichlorotoluene
Concen: 0.21 ug/L
RT: 13.110 min Scan# 1975
Delta R.T. -0.000 min
Lab File: F9017.D
Acq: 25 Mar 2024 12:20 pm

Tgt Ion:125 Resp: 1145

Ion	Ratio	Lower	Upper
125	100		
160	42.7	26.3	66.3
89	29.7	18.1	58.1

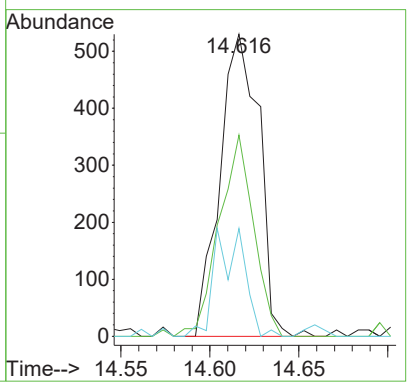




#119
2,4,5-Trichlorotoluene
Concen: 0.25 ug/L
RT: 14.616 min Scan# 2222
Delta R.T. -0.000 min
Lab File: F9017.D
Acq: 25 Mar 2024 12:20 pm

Tgt Ion:159 Resp: 813

Ion	Ratio	Lower	Upper
159	100		
161	66.6	43.0	83.0
194	35.7	26.1	66.1



LSC Area Percent Report

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9017.D
Acq On : 25 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: CPD4.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 250 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Title : MS#14 - 8260 WATERS 5mL Purge

Signal : TIC: F9017.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.527	64	75	82	rBV5	33795	95850	5.84%	1.048%
2	5.216	668	680	692	rBV2	186094	525172	32.02%	5.740%
3	5.356	692	703	716	rBV	322117	928031	56.59%	10.142%
4	5.770	760	771	786	rBV	231777	566676	34.56%	6.193%
5	6.484	878	888	907	rBV	549967	1195084	72.87%	13.061%
6	8.367	1190	1197	1217	rBV	913621	1639923	100.00%	17.923%
7	9.934	1448	1454	1466	rBV	984231	1470415	89.66%	16.070%
8	11.044	1631	1636	1646	rBV	895835	1126658	68.70%	12.313%
9	11.391	1687	1693	1699	rBV3	13838	20851	1.27%	0.228%
10	12.031	1793	1798	1809	rBV	1229114	1581344	96.43%	17.282%

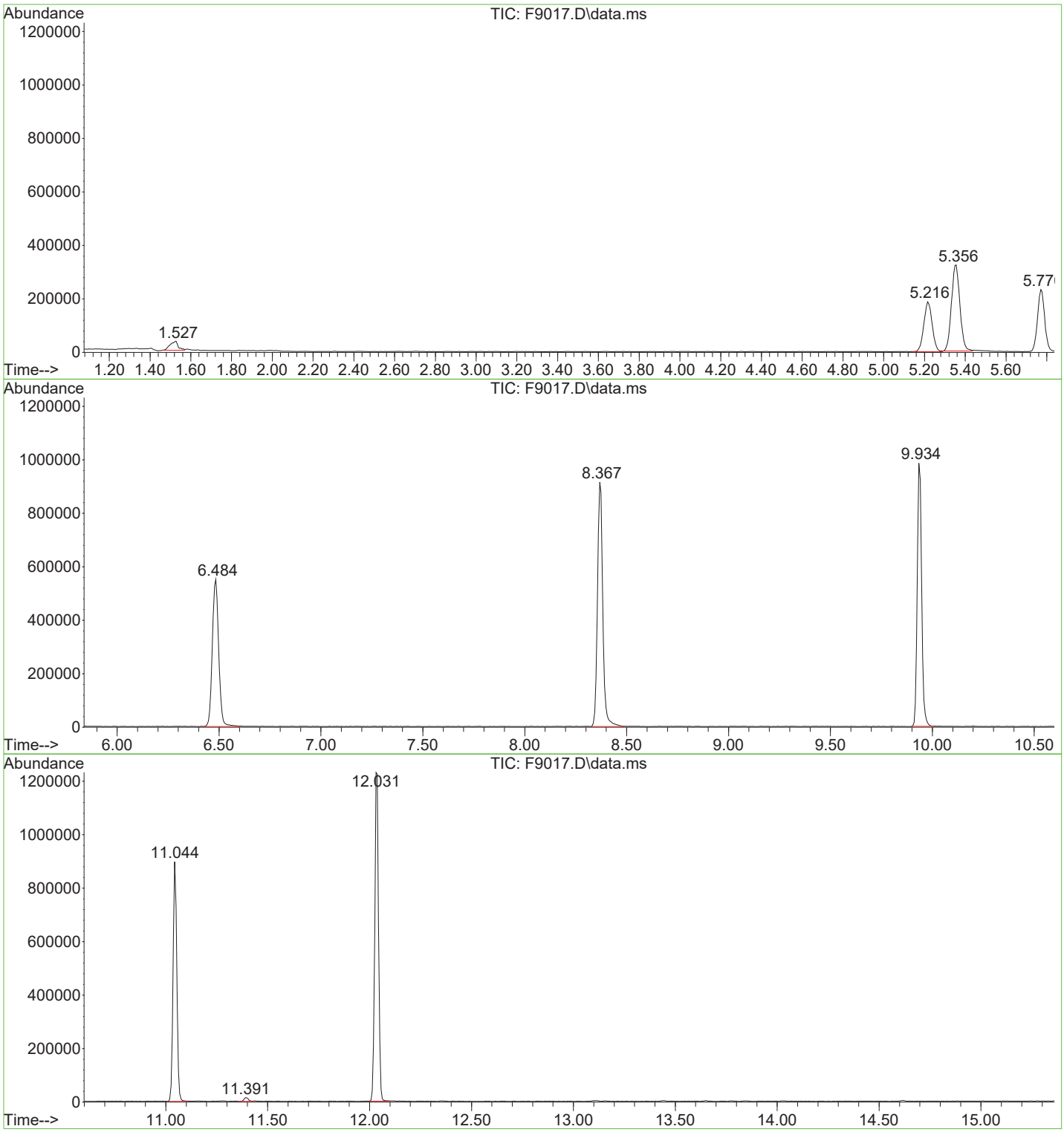
Sum of corrected areas: 9150004

1st FN 03/25/24
2nd MR 03/26/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9017.D
Acq On : 25 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9017.D
Acq On : 25 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge

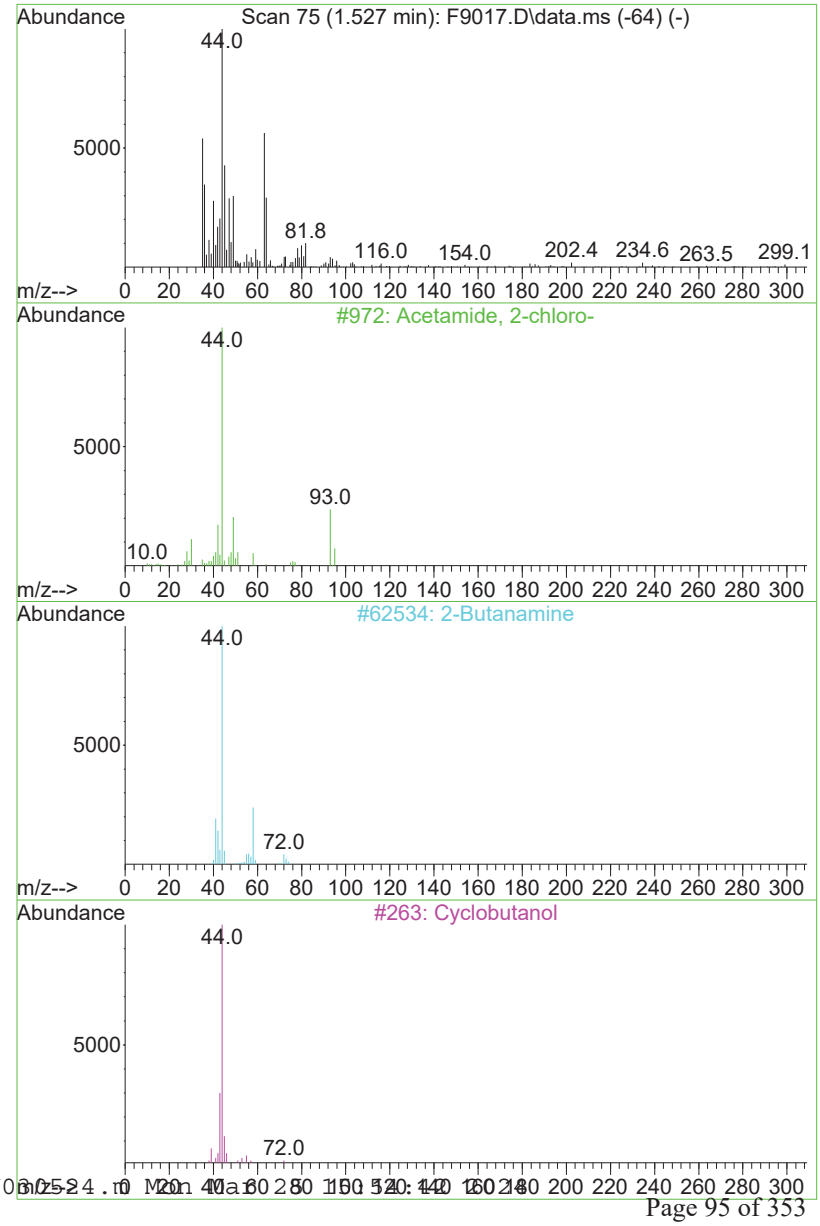
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TIC Integration Parameters: LSCINT.P

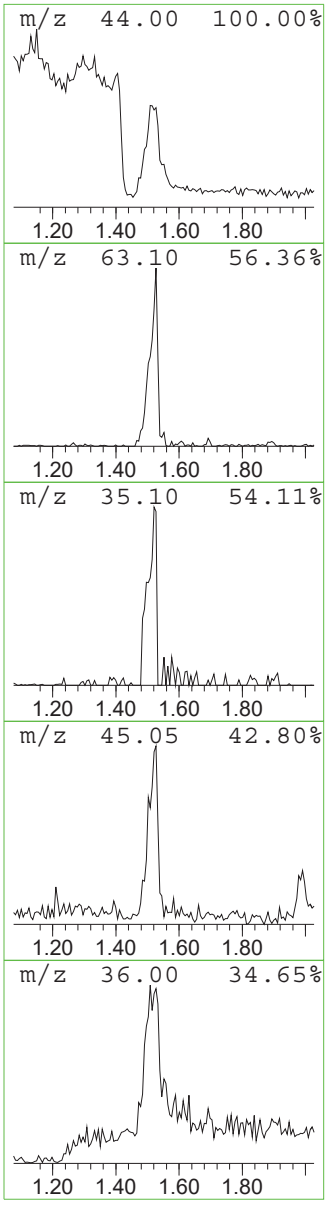
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Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.527	5.16 ug/L	95850	Pentafluorobenzene	5.350

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, 2-chloro-	93	C2H4ClNO	000079-07-2	14
2	2-Butanamine	73	C4H11N	013952-84-6	10
3	Cyclobutanol	72	C4H8O	002919-23-5	10
4	Methanamine, N-methyl-	45	C2H7N	000124-40-3	9
5	Methanamine, N-methyl-	45	C2H7N	000124-40-3	9





Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9017.D
Acq On : 25 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge

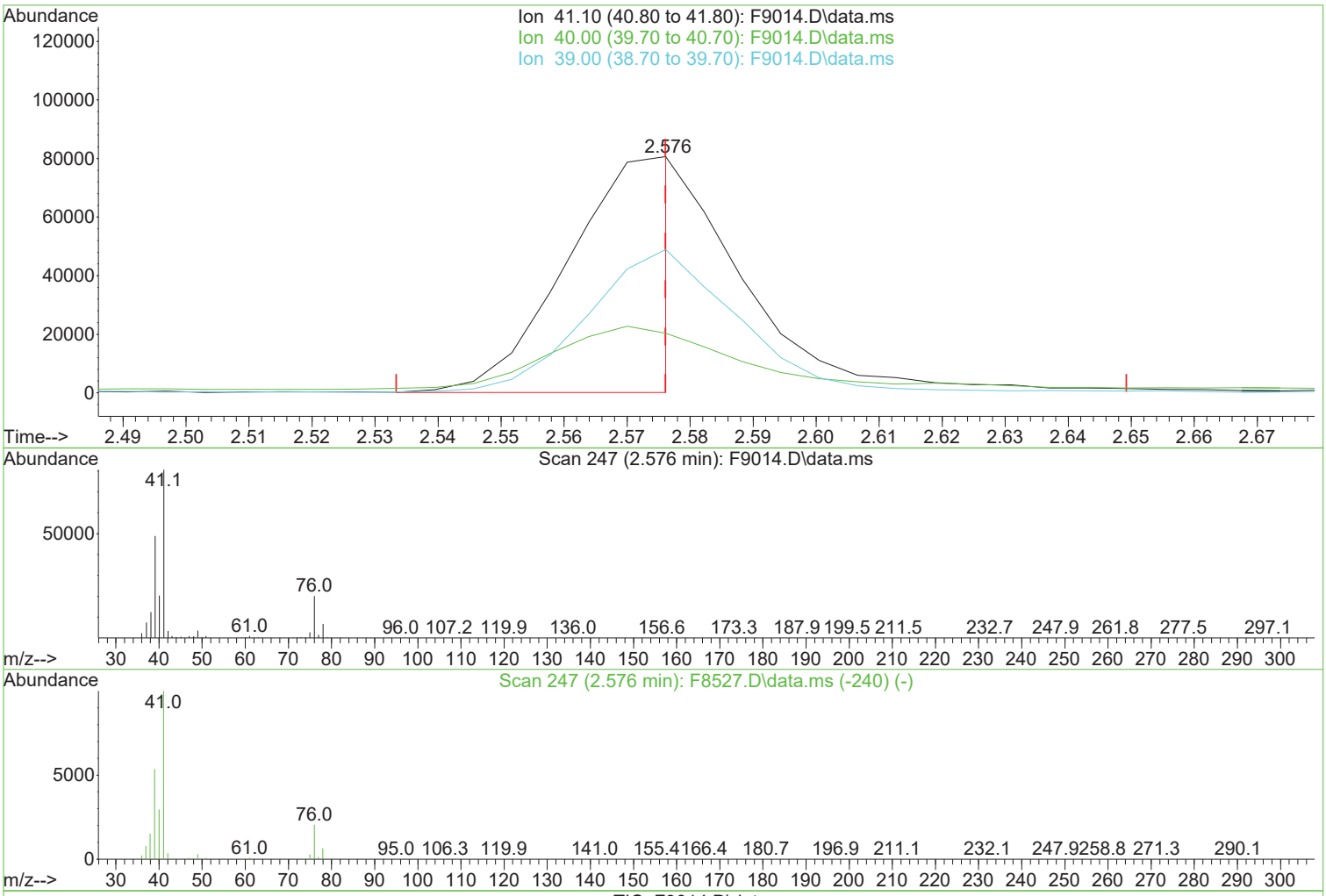
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown	1.527	5.2	ug/L	95850	1	5.350	928031	50.0

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:46:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



TIC: F9014.D\data.ms

(20) Acetonitrile

2.576min (0.000) 109.24 ug/L m

response 98599

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	25.22
39.00	53.70	60.69
0.00	0.00	0.00

Manual Integration:

After

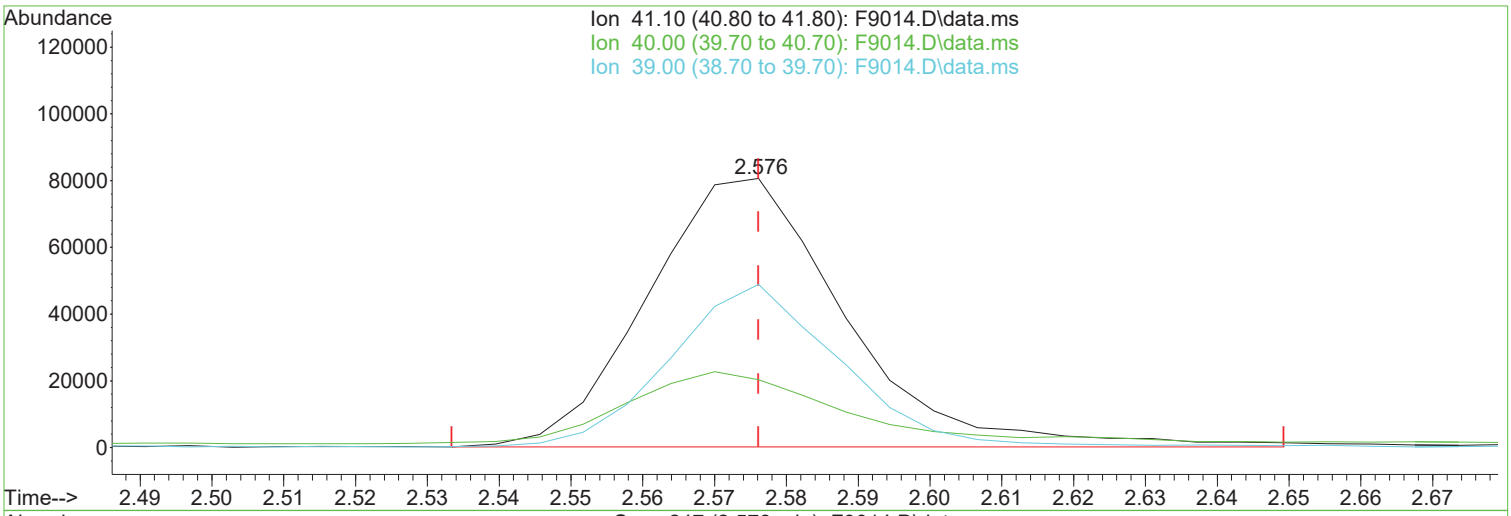
Poor integration.

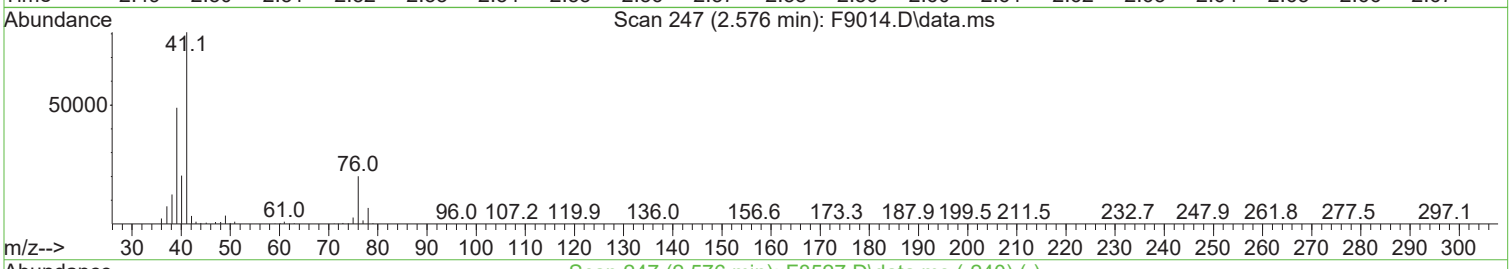
03/25/24

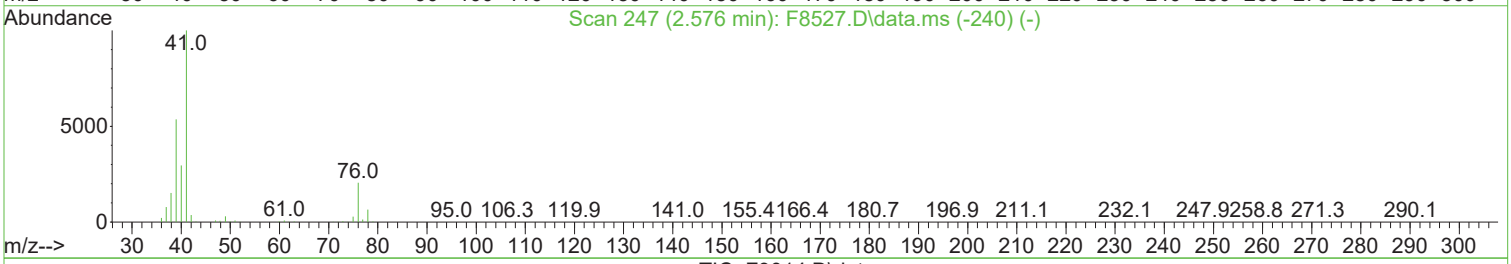
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:46:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9014.D\data.ms

(20) Acetonitrile

2.576min (0.000) 171.60 ug/L

response 154884

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	25.22
39.00	53.70	60.69
0.00	0.00	0.00

Manual Integration:

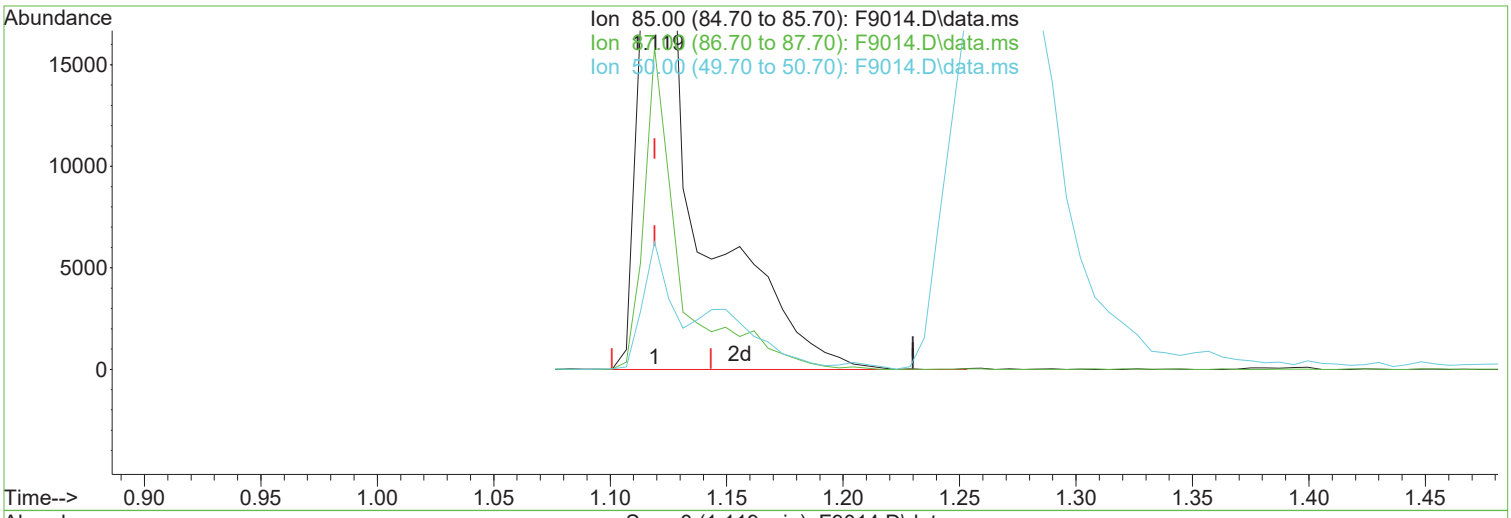
Before

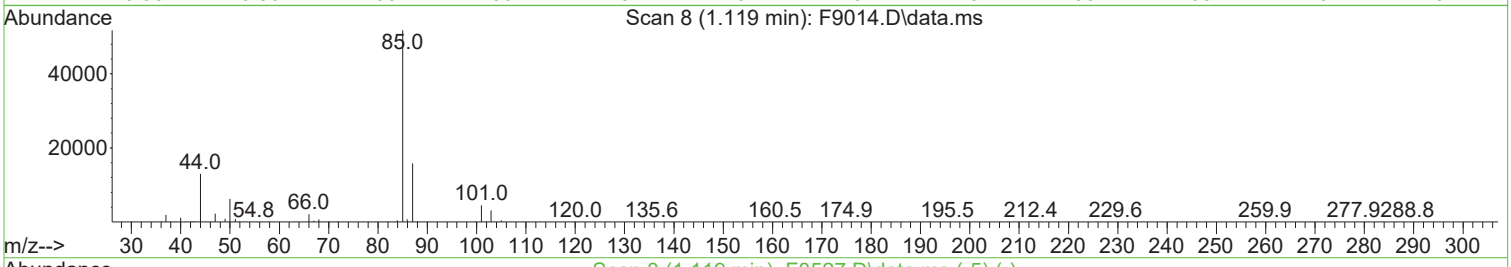
03/25/24

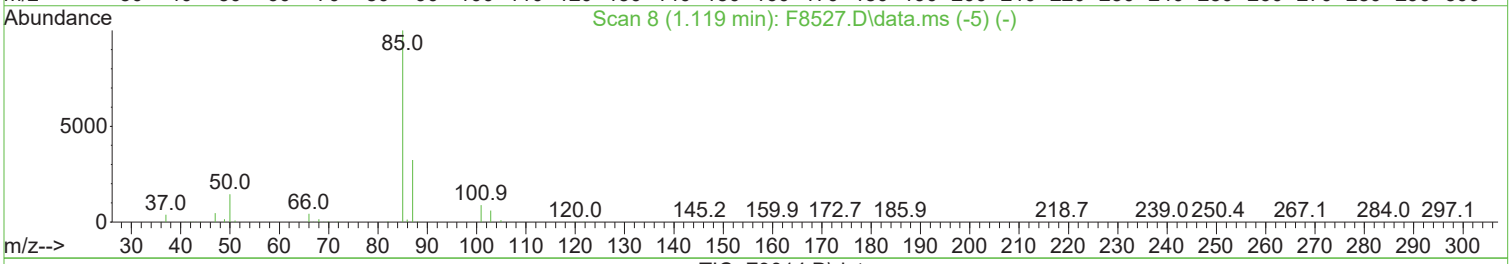
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:46:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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TIC: F9014.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (0.000) 13.60 ug/L m

response 54151

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	30.62
50.00	14.40	12.11
0.00	0.00	0.00

Manual Integration:

After

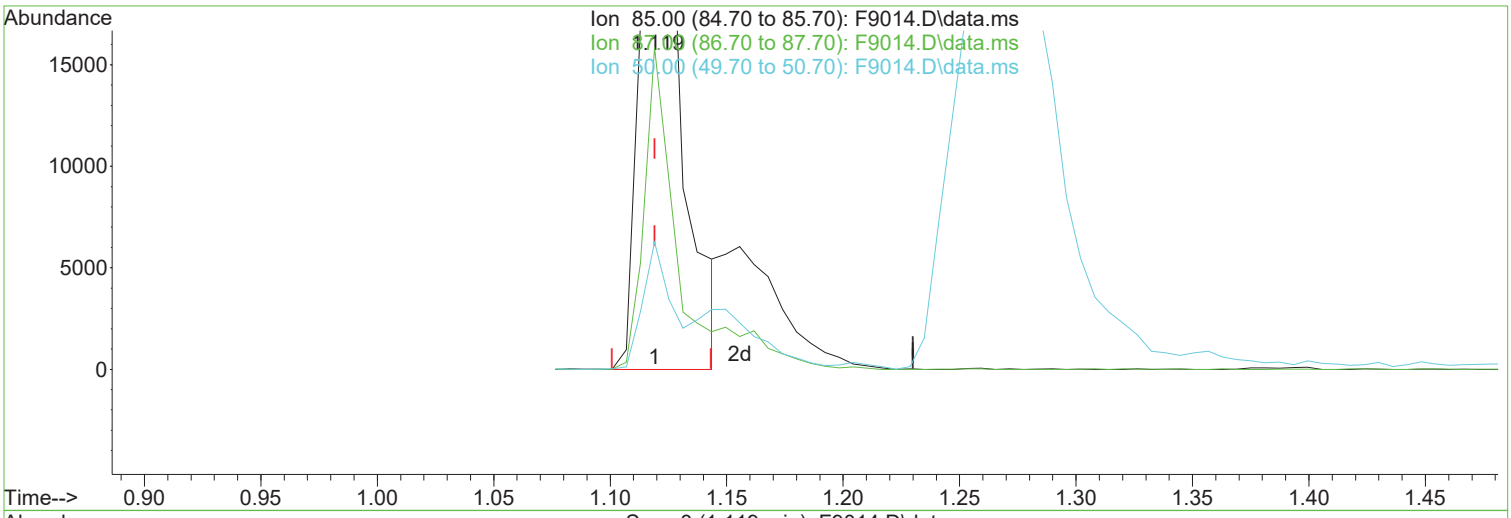
Poor integration.

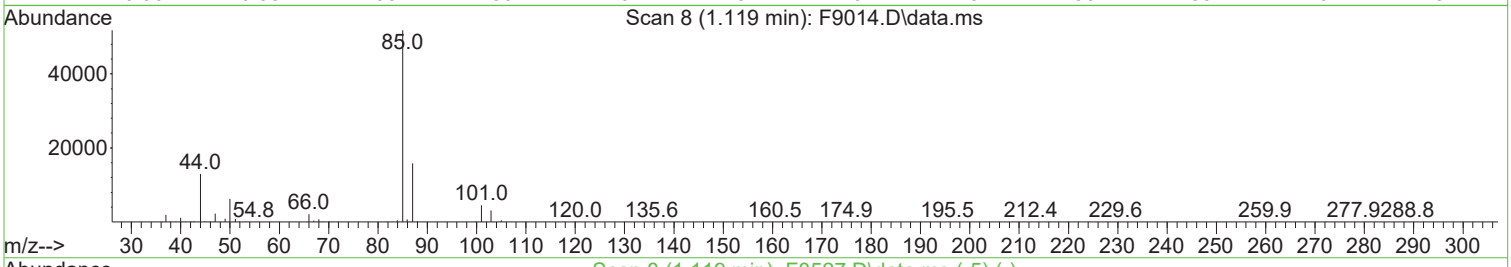
03/25/24

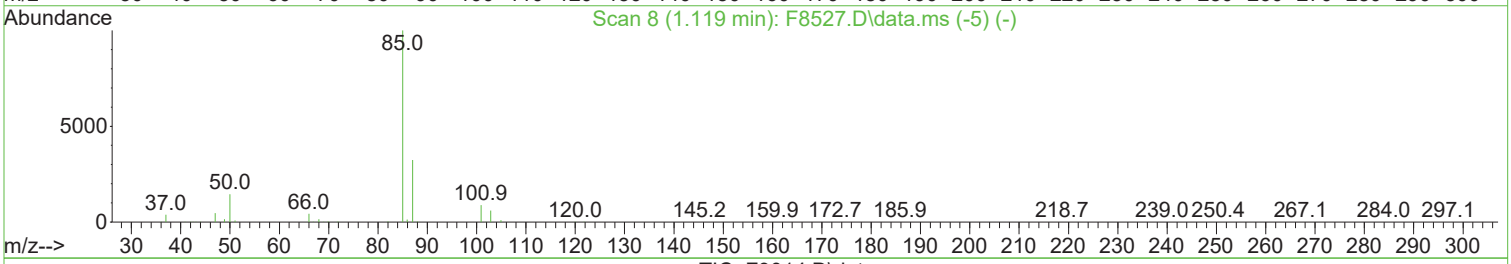
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:46:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9014.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (0.000) 10.89 ug/L

response 43369

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	30.62
50.00	14.40	12.11
0.00	0.00	0.00

Manual Integration:

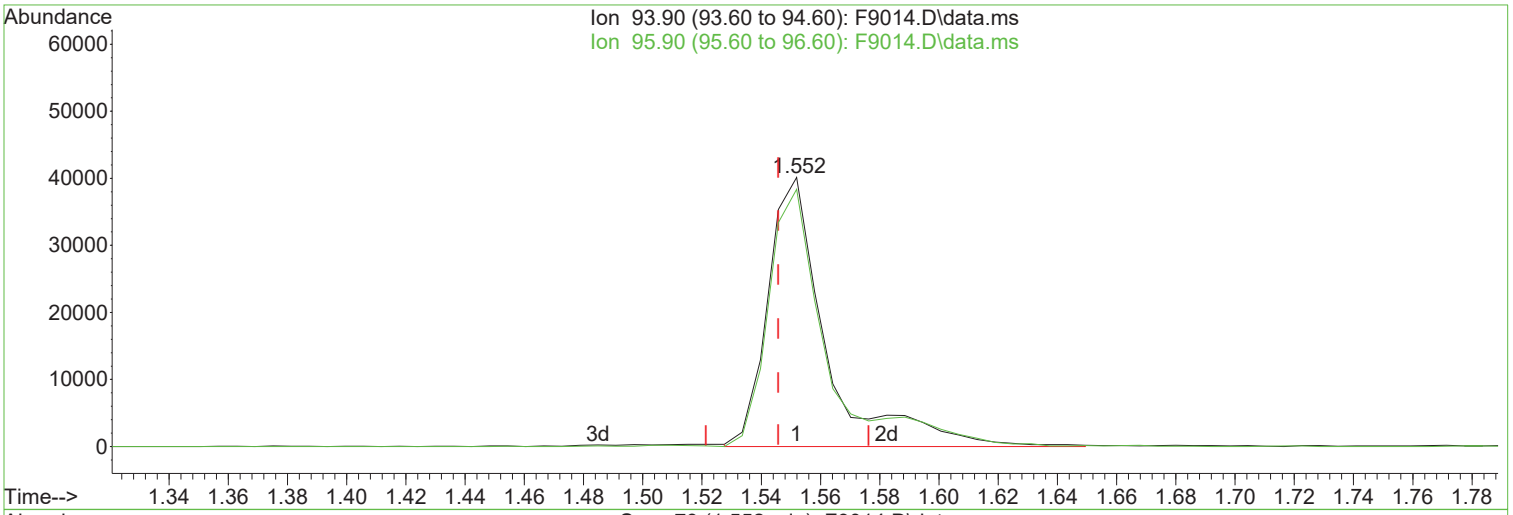
Before

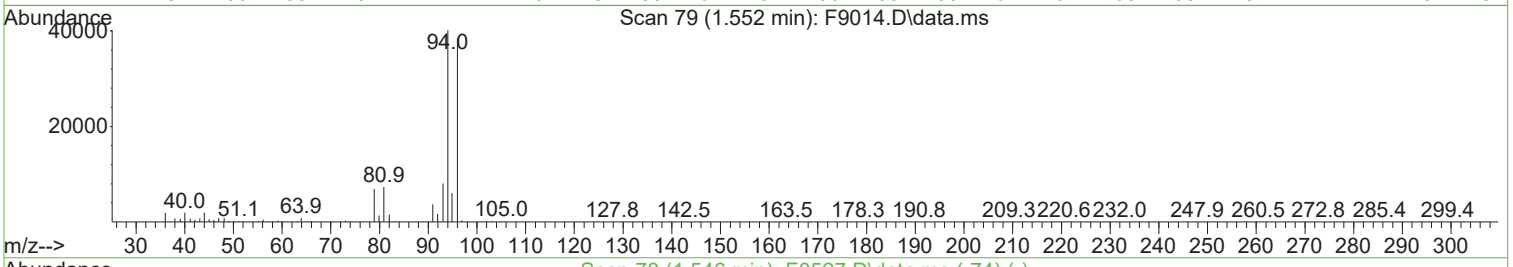
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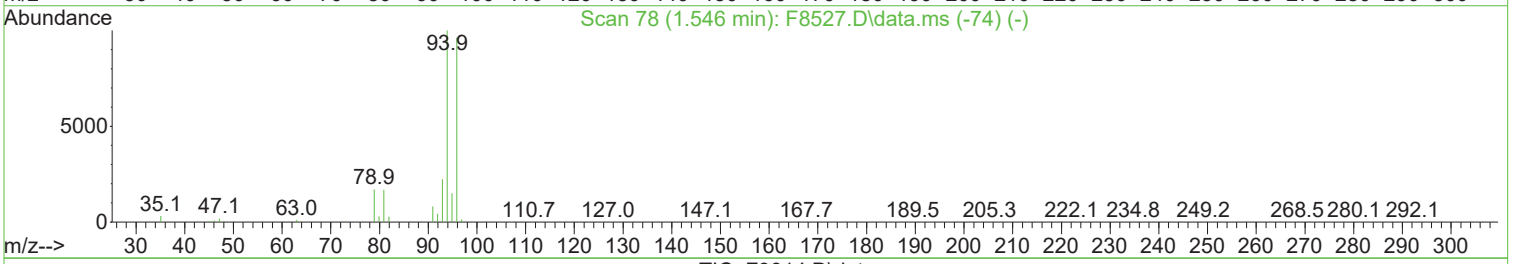
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
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Misc :
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Quant Time: Mar 25 11:46:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9014.D\data.ms

(6) Bromomethane (P)

1.552min (+ 0.006) 17.18 ug/L m

response 55458

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	95.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

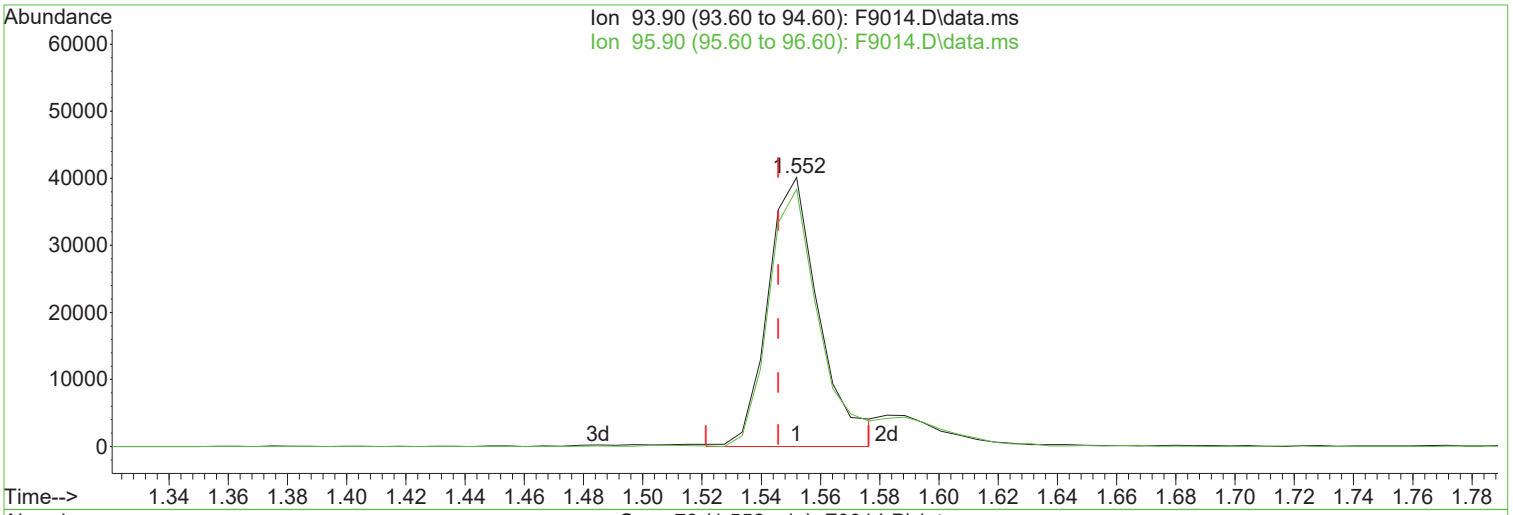
Poor integration.

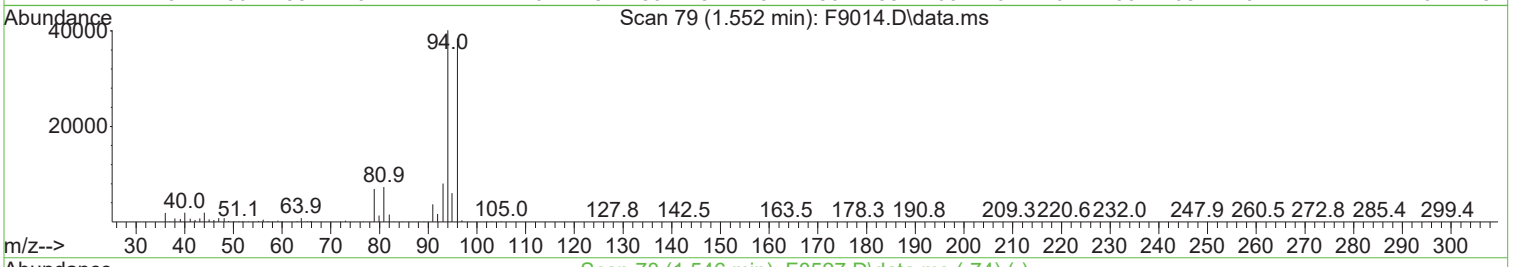
03/25/24

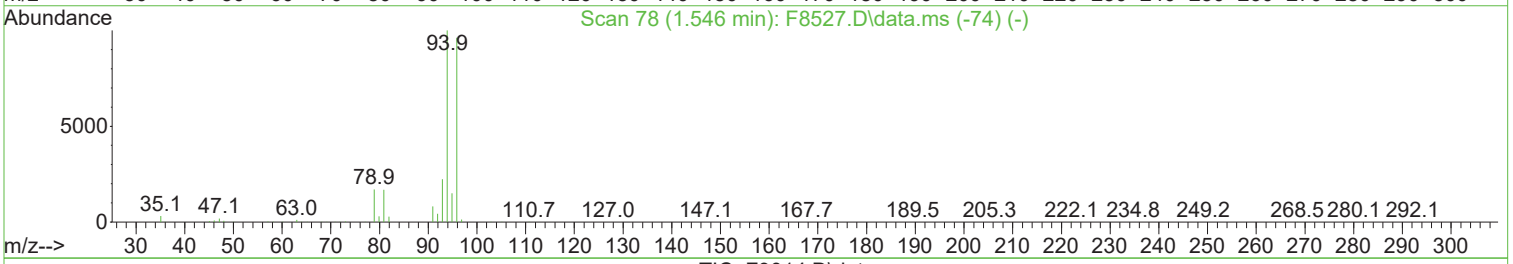
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:46:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9014.D\data.ms

(6) Bromomethane (P)

1.552min (+ 0.006) 14.92 ug/L

response 48180

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	95.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/25/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:46:46 2024
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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.350	168	373585	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.478	114	540715	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	505653	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	276542	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	164786	48.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.84%			
48) surr1,1,2-dichloroetha...	5.771	65	200863	47.22	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 94.44%			
65) SURR3,Toluene-d8	8.368	98	641239	50.49	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.98%			
70) SURR2,BFB	11.044	95	227681	48.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.06%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.143	51	70319	20.256	ug/L	95
3) Dichlorodifluoromethane	1.119	85	54151m	13.597	ug/L	
4) Chloromethane	1.265	50	77652	16.937	ug/L	96
5) Vinyl Chloride	1.326	62	70322	15.614	ug/L	95
6) Bromomethane	1.552	94	55458m	17.177	ug/L	
7) Chloroethane	1.631	64	47746	13.400	ug/L	89
8) Freon 21	1.777	67	116051	17.443	ug/L	99
9) Trichlorofluoromethane	1.820	101	98105	18.519	ug/L	100
10) Diethyl Ether	2.052	59	57284	18.344	ug/L	96
11) Freon 123a	2.064	67	71803	19.363	ug/L	95
12) Freon 123	2.119	83	96878	23.266	ug/L	98
13) Acrolein	2.168	56	27602	27.169	ug/L	99
14) 1,1-Diclethene	2.241	96	51165	18.038	ug/L	96
15) Freon 113	2.241	101	54205	18.917	ug/L	99
16) Acetone	2.302	43	32171	15.707	ug/L	98
17) 2-Propanol	2.442	45	110194	321.244	ug/L	94
18) Iodomethane	2.375	142	77927	18.841	ug/L	98
19) Carbon Disulfide	2.430	76	139778	18.068	ug/L	100
20) Acetonitrile	2.576	41	98599m	109.242	ug/L	
21) Allyl Chloride	2.576	76	31956	21.363	ug/L #	76
22) Methyl Acetate	2.607	43	66863	12.276	ug/L	98
23) Methylene Chloride	2.698	84	63260	18.002	ug/L	98
24) TBA	2.838	59	167060	298.536	ug/L	87
25) Acrylonitrile	2.978	53	171627	87.372	ug/L	97
26) Methyl-t-Butyl Ether	2.991	73	192008	18.279	ug/L	99
27) trans-1,2-Dichloroethene	2.985	96	59016	18.772	ug/L	88
28) 1,1-Diclethane	3.491	63	109114	18.859	ug/L	98
29) Vinyl Acetate	3.582	86	10692	24.919	ug/L #	48
30) DIPE	3.594	45	195884	20.402	ug/L	98
31) 2-Chloro-1,3-Butadiene	3.600	53	96209	20.073	ug/L	97
32) ETBE	4.118	59	156716	17.875	ug/L	98
33) 2,2-Dichloropropane	4.314	77	65198	17.397	ug/L	98
34) cis-1,2-Dichloroethene	4.332	96	68592	19.227	ug/L	92
35) 2-Butanone	4.405	43	40127	14.693	ug/L	99
36) Propionitrile	4.521	54	74388	89.127	ug/L	94
37) Bromochloromethane	4.734	130	45639	19.773	ug/L	99
38) Methacrylonitrile	4.771	67	35315	17.582	ug/L	98
39) Tetrahydrofuran	4.832	42	31033	16.452	ug/L	96
40) Chloroform	4.917	83	110767	19.493	ug/L	97

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.191	97	85054	19.565 ug/L	98
42) TAME	6.063	73	164392	19.401 ug/L	97
44) Cyclohexane	5.252	41	59669	20.238 ug/L	94
46) Carbontetrachloride	5.472	117	71417	19.818 ug/L	99
47) 1,1-Dichloropropene	5.490	75	79697	19.678 ug/L	99
49) Benzene	5.825	78	248664	21.837 ug/L	98
50) 1,2-Dichloroethane	5.893	62	94618	19.799 ug/L	97
51) Iso-Butyl Alcohol	5.893	43	69901	337.943 ug/L	99
52) n-Heptane	6.301	43	77402	21.619 ug/L	100
53) 1-Butanol	6.892	56	99856	876.090 ug/L	94
54) Trichloroethene	6.807	130	66691	20.823 ug/L	95
55) Methylcyclohexane	7.033	55	74889	20.330 ug/L	95
56) 1,2-Diclpropane	7.118	63	65161	20.635 ug/L	95
57) Dibromomethane	7.270	93	45794	20.245 ug/L	97
58) 1,4-Dioxane	7.343	88	28039	367.876 ug/L	99
59) Methyl Methacrylate	7.356	69	56440	21.361 ug/L	92
60) Bromodichloromethane	7.508	83	80688	20.451 ug/L	99
61) 2-Nitropropane	7.831	41	28454	35.274 ug/L	99
62) 2-Chloroethylvinyl Ether	7.880	63	591	0.540 ug/L #	53
63) cis-1,3-Dichloropropene	8.069	75	91928	22.434 ug/L	100
64) 4-Methyl-2-pentanone	8.294	43	90601	17.908 ug/L	98
66) Toluene	8.447	91	274403	21.784 ug/L	98
67) trans-1,3-Dichloropropene	8.746	75	78089	23.151 ug/L	98
68) Ethyl Methacrylate	8.892	69	93603	22.038 ug/L	94
69) 1,1,2-Trichloroethane	8.947	97	64402	20.800 ug/L	98
72) Tetrachloroethene	9.057	164	55165	21.279 ug/L	99
73) 2-Hexanone	9.258	43	64196	17.178 ug/L	98
74) 1,3-Dichloropropane	9.124	76	111035	19.786 ug/L	98
75) Dibromochloromethane	9.361	129	63327	20.523 ug/L	97
76) N-Butyl Acetate	9.410	43	119657	19.080 ug/L	99
77) 1,2-Dibromoethane	9.459	107	65794	21.265 ug/L	98
78) 3-Chlorobenzotrifluoride	9.983	180	99292	20.813 ug/L	98
79) Chlorobenzene	9.965	112	183533	20.764 ug/L	97
80) 4-Chlorobenzotrifluoride	10.044	180	88353	20.806 ug/L	96
81) 1,1,1,2-Tetrachloroethane	10.056	131	57625	20.347 ug/L	97
82) Ethylbenzene	10.087	106	95429	21.330 ug/L	99
83) (m+p)Xylene	10.203	106	239519	42.235 ug/L	97
84) o-Xylene	10.568	106	115639	20.409 ug/L	94
85) Styrene	10.587	104	194433	20.808 ug/L	98
86) Bromoform	10.751	173	45041	22.376 ug/L	99
87) 2-Chlorobenzotrifluoride	10.831	180	92822	19.131 ug/L	99
88) Isopropylbenzene	10.910	105	278256	19.547 ug/L	99
89) Cyclohexanone	11.001	55	66478	97.610 ug/L	98
90) trans-1,4-Dichloro-2-B...	11.245	53	21596	23.542 ug/L	97
92) 1,1,2,2-Tetrachloroethane	11.196	83	94489	18.464 ug/L	99
93) Bromobenzene	11.166	156	81176	21.322 ug/L	93
94) 1,2,3-Trichloropropane	11.227	110	31493	18.877 ug/L	95
95) n-Propylbenzene	11.276	91	340340	20.399 ug/L	98
96) 2-Chlorotoluene	11.343	91	200558	20.133 ug/L	99
97) 3-Chlorotoluene	11.398	91	199819	19.772 ug/L	98
98) 4-Chlorotoluene	11.440	91	241825	20.548 ug/L	99
99) 1,3,5-Trimethylbenzene	11.434	105	240643	19.876 ug/L	99
100) tert-Butylbenzene	11.708	119	208809	20.656 ug/L	99
101) 1,2,4-Trimethylbenzene	11.751	105	240545	20.027 ug/L	98
102) 3,4-Dichlorobenzotrifl...	11.812	214	79019	20.702 ug/L	98
103) sec-Butylbenzene	11.891	105	303325	20.738 ug/L	98

1st FJ 03/25/24
2nd JR 03/26/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:46:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

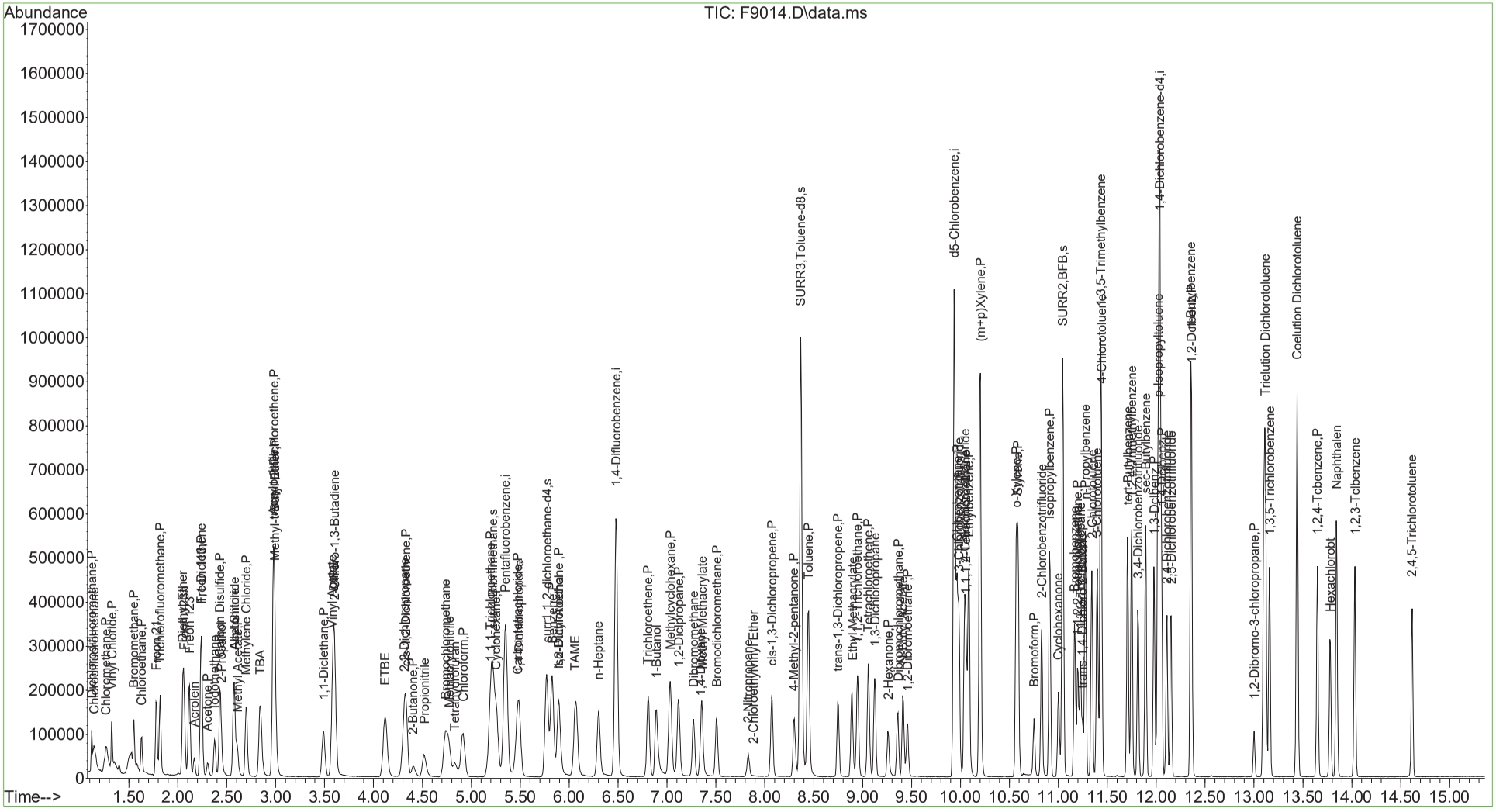
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.019	119	264159	20.877	ug/L	96
105) 1,3-Dclbenz	11.977	146	151826	21.004	ug/L	98
106) 1,4-Dclbenz	12.056	146	154755	20.490	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.111	214	72757	20.403	ug/L	95
108) 2,5-Dichlorobenzotrifl...	12.153	214	79797	20.233	ug/L	97
109) n-Butylbenzene	12.355	91	242253	21.344	ug/L	98
110) 1,2-Dclbenz	12.361	146	149947	20.612	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.001	157	20641	18.496	ug/L	93
112) Trielution Dichlorotol...	13.111	125	362425	59.704	ug/L	98
113) 1,3,5-Trichlorobenzene	13.159	180	112625	20.245	ug/L	99
114) Coelution Dichlorotoluene	13.440	125	265872	40.079	ug/L	97
115) 1,2,4-Tcbenzene	13.647	180	111385	20.919	ug/L	99
116) Hexachlorobt	13.781	225	47256	20.392	ug/L	92
117) Naphthalen	13.842	128	330738	20.496	ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	109696	20.976	ug/L	99
119) 2,4,5-Trichlorotoluene	14.616	159	73936	20.933	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9014.D
Acq On : 25 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : LCS-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:46:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

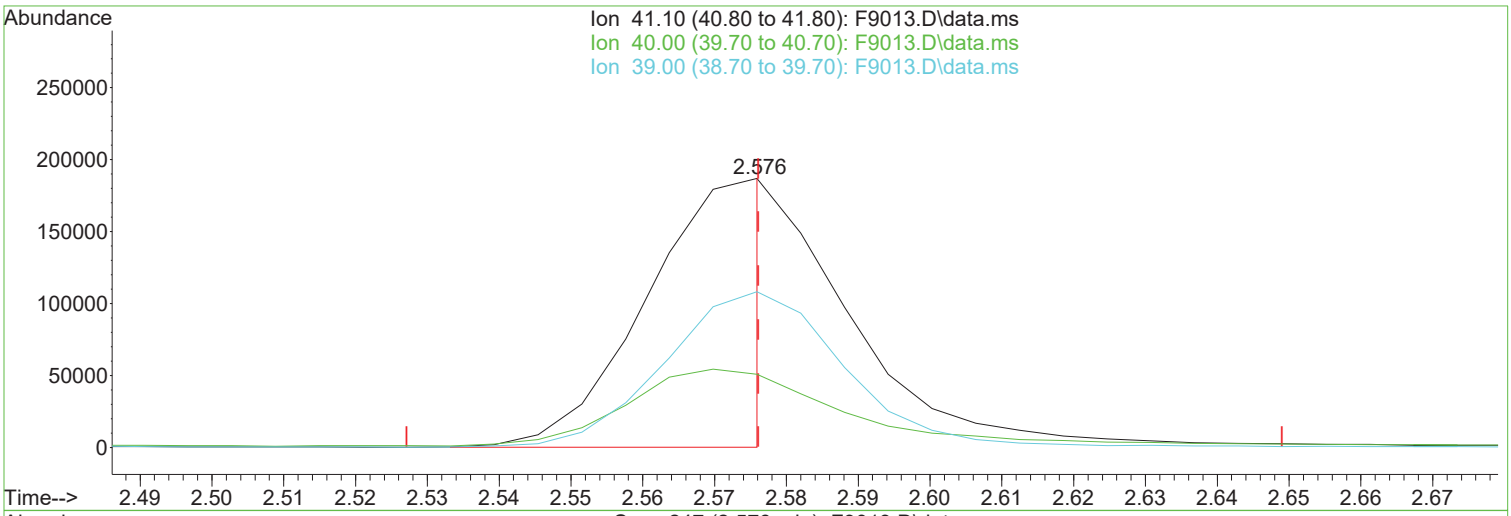


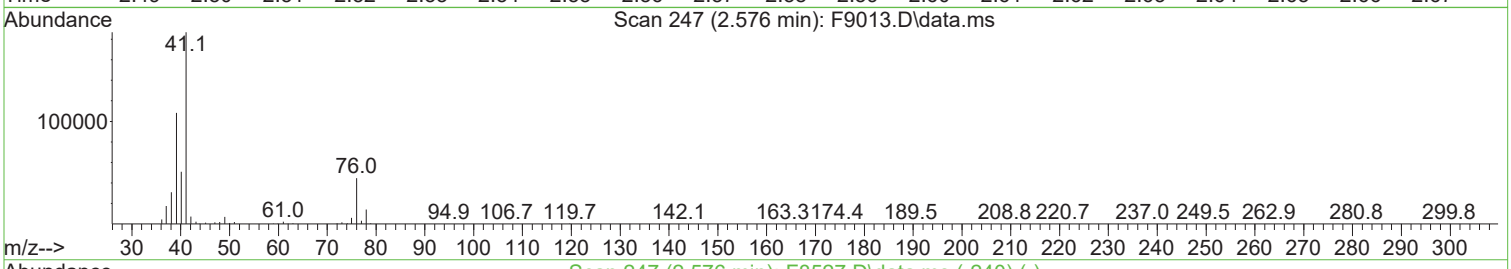
1st FJ 03/25/24
2nd 03/26/24

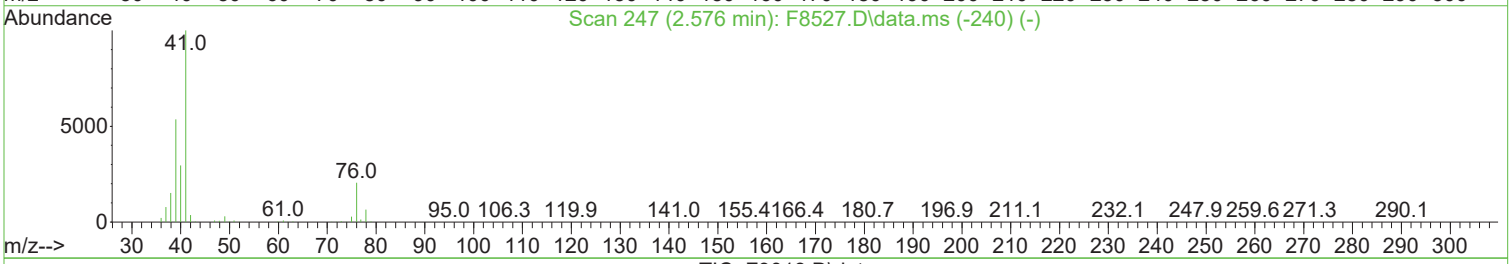
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9013.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 257.96 ug/L m

response 225460

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	27.23
39.00	53.70	57.98
0.00	0.00	0.00

Manual Integration:

After

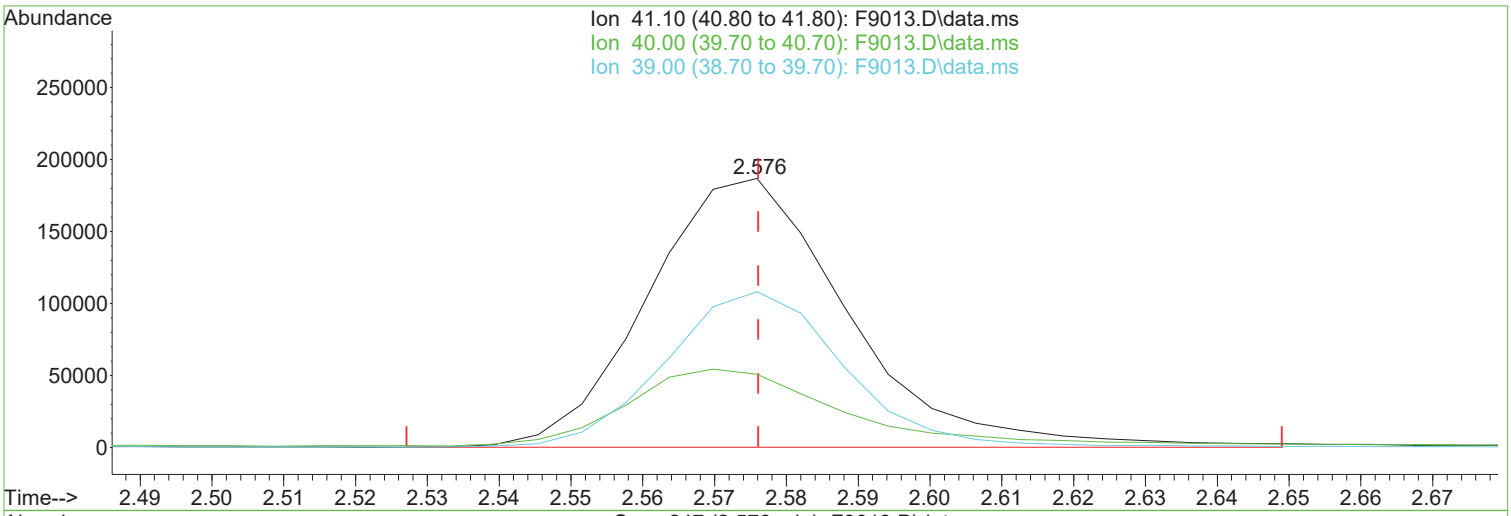
Poor integration.

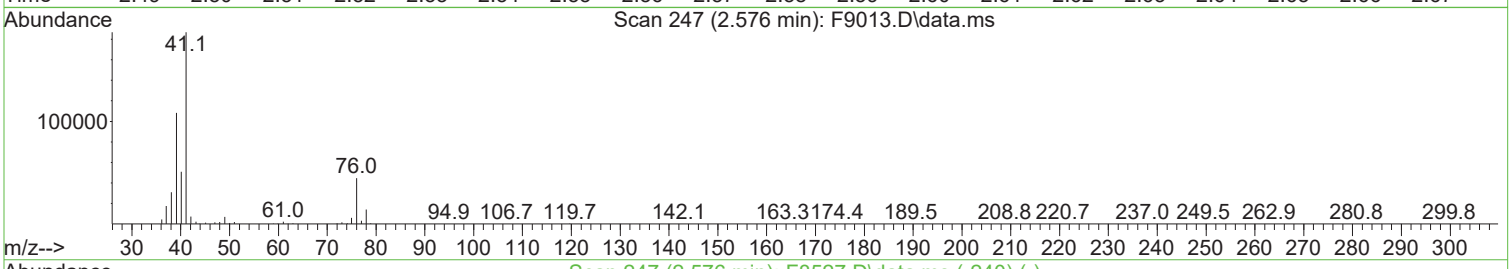
03/25/24

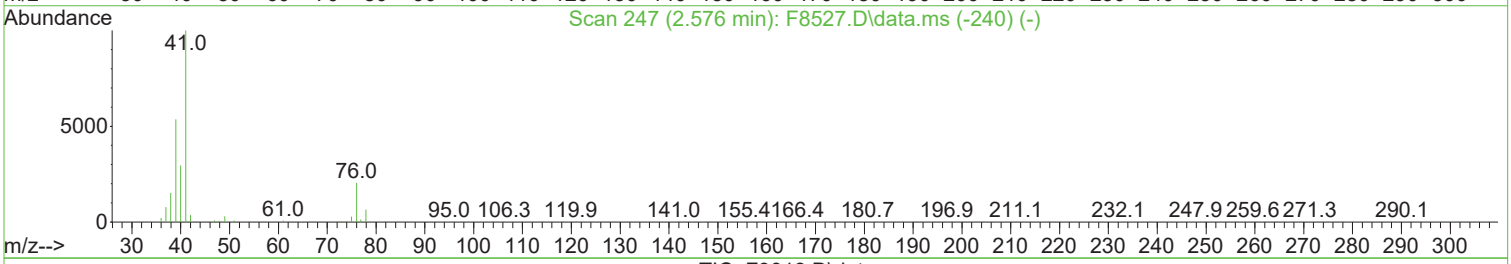
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9013.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 415.64 ug/L

response 363272

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	27.23
39.00	53.70	57.98
0.00	0.00	0.00

Manual Integration:

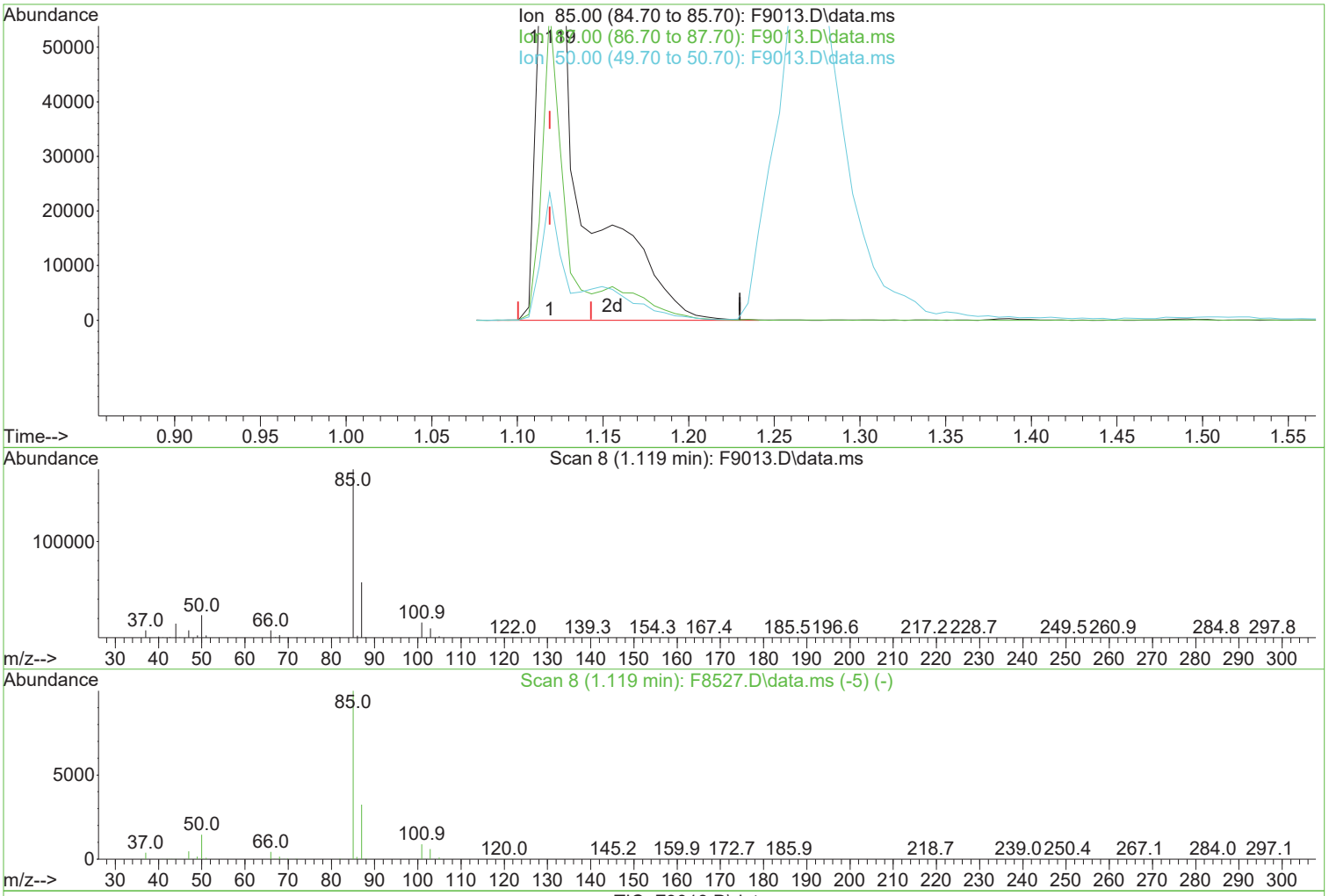
Before

03/25/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



TIC: F9013.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (-0.000) 46.50 ug/L m

response 179342

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	32.83
50.00	14.40	13.36
0.00	0.00	0.00

Manual Integration:

After

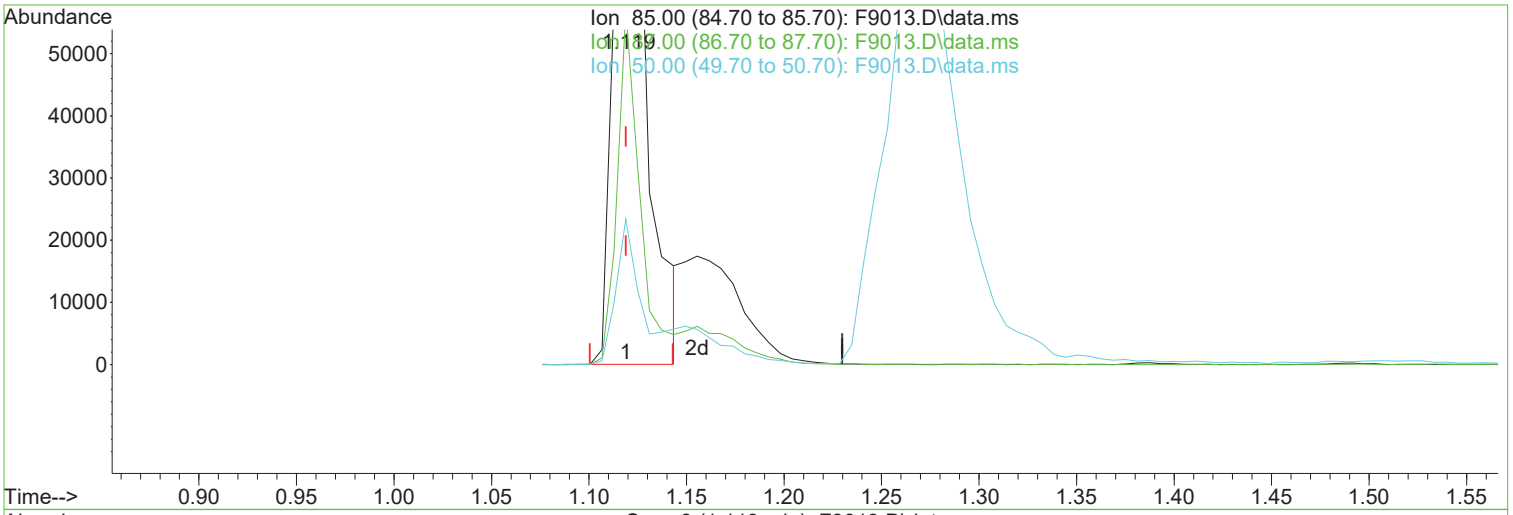
Poor integration.

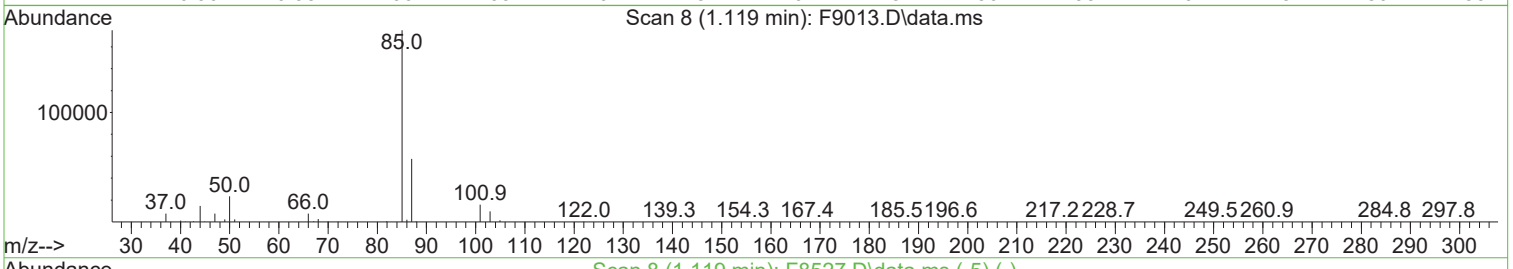
03/25/24

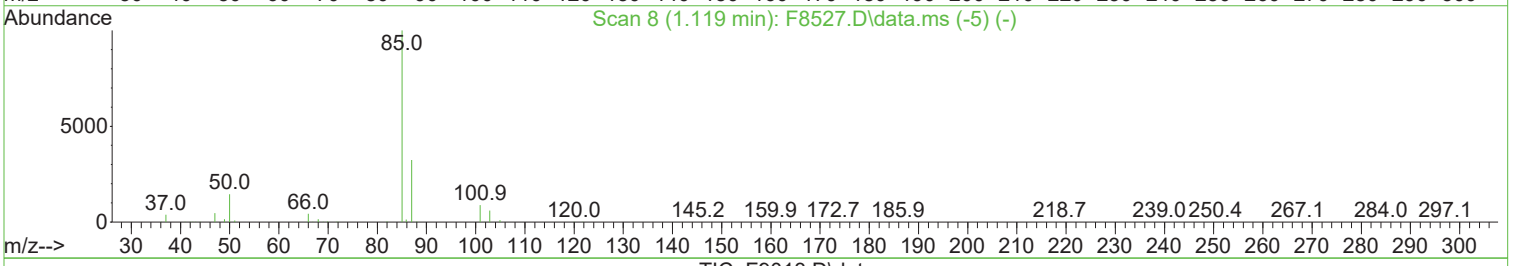
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9013.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (-0.000) 36.91 ug/L

response 142331

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	32.83
50.00	14.40	13.36
0.00	0.00	0.00

Manual Integration:

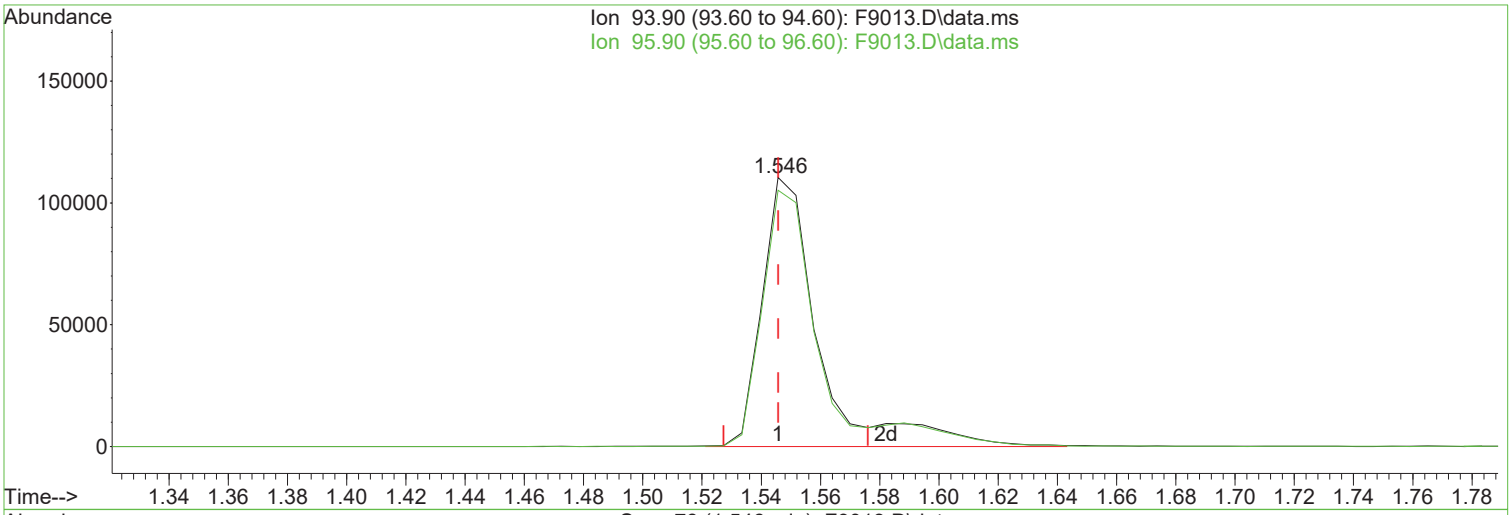
Before

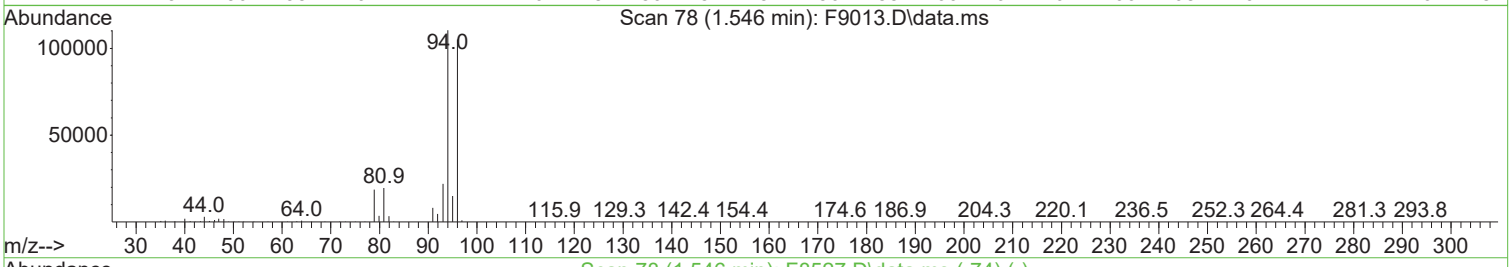
03/25/24

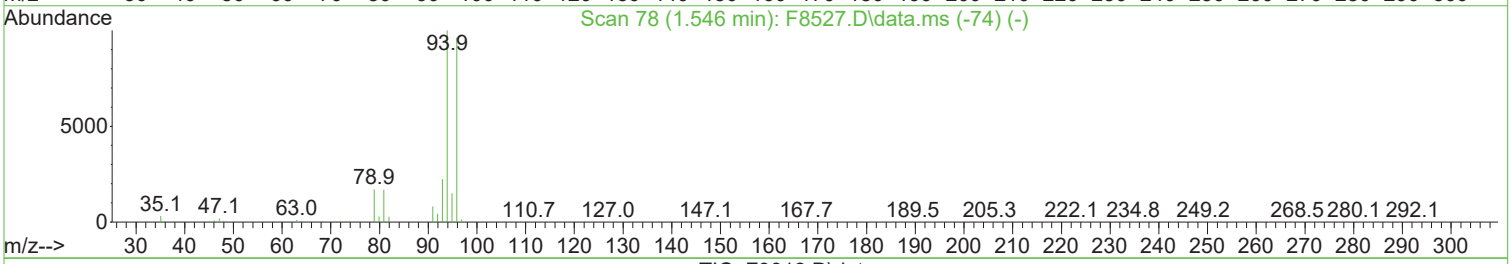
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9013.D\data.ms

(6) Bromomethane (P)

1.546min (-0.000) 47.39 ug/L m

response 148180

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	95.23
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

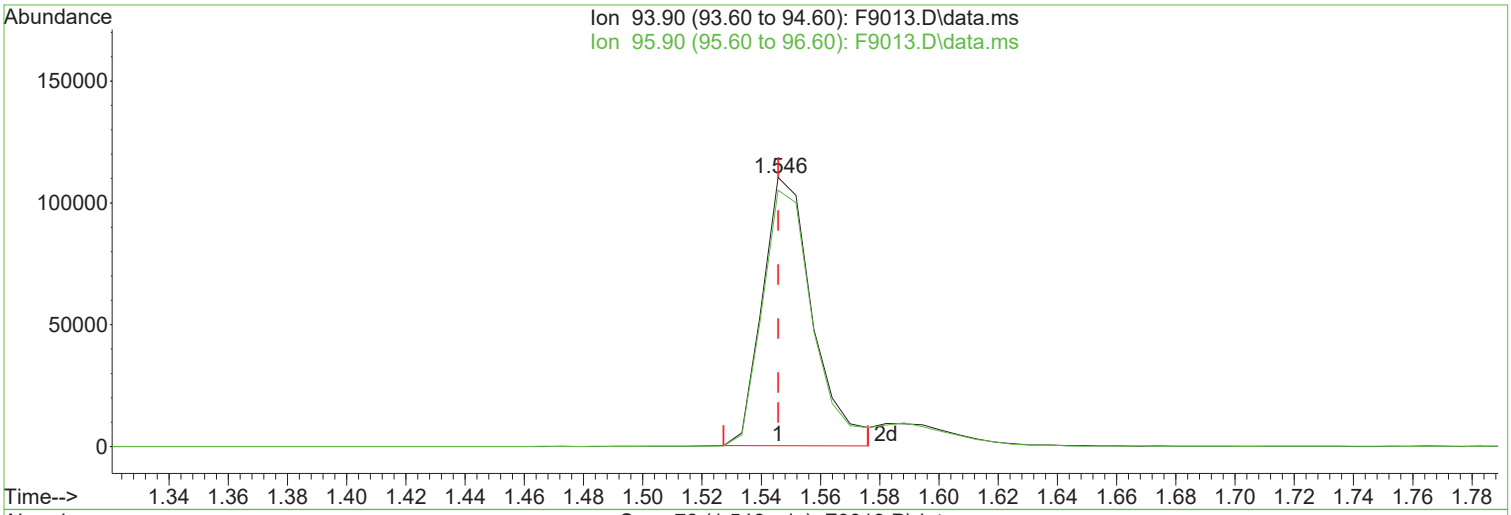
Poor integration.

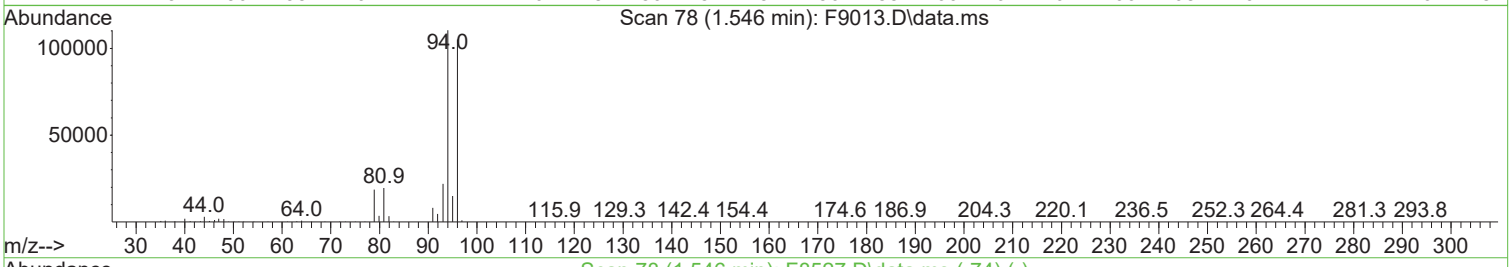
03/25/24

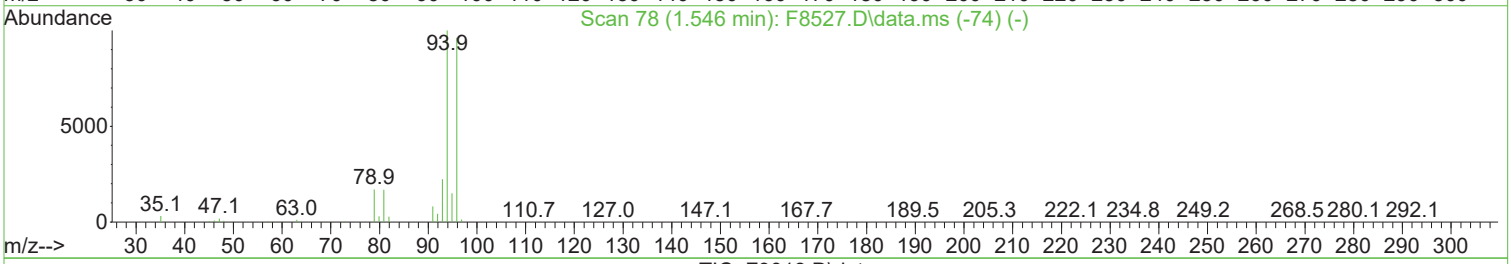
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9013.D\data.ms

(6) Bromomethane (P)

1.546min (-0.000) 41.53 ug/L

response 129850

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	95.23
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/25/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	87	0.00
2		Chlorodifluoromethane	50.000	46.936	6.1	79	0.00
3	P	Dichlorodifluoromethane	50.000	46.504	7.0	72	0.00
4	P	Chloromethane	50.000	42.227	15.5	70	0.00
5	P	Vinyl Chloride	50.000	46.173	7.7	73	0.00
6	P	Bromomethane	50.000	47.395	5.2	86	0.00
7	P	Chloroethane	50.000	47.612	4.8	78	0.00
8		Freon 21	50.000	49.413	1.2	83	0.00
9	P	Trichlorofluoromethane	50.000	49.886	0.2	81	0.00
10		Diethyl Ether	50.000	45.975	8.0	79	0.00
11		Freon 123a	50.000	47.548	4.9	83	0.00
12		Freon 123	50.000	48.569	2.9	83	0.00
13		Acrolein	250.000	108.850	56.5#	35	0.00
14		1,1-Diclethene	50.000	48.796	2.4	80	0.00
15	P	Freon 113	50.000	50.083	-0.2	82	0.00
16	P	Acetone	50.000	39.764	20.5#	65	0.00
17		2-Propanol	1000.000	800.474	20.0	61	0.00
18		Iodomethane	50.000	47.801	4.4	79	0.00
19	P	Carbon Disulfide	50.000	47.530	4.9	78	0.00
20		Acetonitrile	250.000	257.962	-3.2	82	0.00
21		Allyl Chloride	50.000	48.712	2.6	81	0.00
22	P	Methyl Acetate	50.000	42.407	15.2	71	0.00
23	P	Methylene Chloride	50.000	43.862	12.3	79	0.00
24		TBA	1000.000	774.724	22.5#	60	0.00
25		Acrylonitrile	250.000	225.102	10.0	70	0.00
26	P	Methyl-t-Butyl Ether	50.000	44.772	10.5	74	0.00
27	P	trans-1,2-Dichloroethene	50.000	49.160	1.7	82	0.00
28	P	1,1-Diclethane	50.000	47.552	4.9	79	0.00
29		Vinyl Acetate	50.000	51.170	-2.3	86	0.00
30		DIPE	50.000	44.844	10.3	72	0.00
31		2-Chloro-1,3-Butadiene	50.000	51.826	-3.7	83	0.00
32		ETBE	50.000	43.226	13.5	71	0.00
33		2,2-Dichloropropane	50.000	47.829	4.3	77	0.00
34	P	cis-1,2-Dichloroethene	50.000	48.484	3.0	80	0.00
35	P	2-Butanone	50.000	43.609	12.8	70	-0.01
36		Propionitrile	250.000	223.881	10.4	71	0.00
37		Bromochloromethane	50.000	49.394	1.2	82	0.00
38		Methacrylonitrile	50.000	46.493	7.0	74	0.00
39		Tetrahydrofuran	50.000	43.085	13.8	69	-0.01
40	P	Chloroform	50.000	48.739	2.5	80	0.00
41	P	1,1,1-Trichloroethane	50.000	50.305	-0.6	79	0.00
42		TAME	50.000	43.408	13.2	70	0.00
43	i	1,4-Difluorobenzene	50.000	50.000	0.0	82	0.00
44	P	Cyclohexane	50.000	52.338	-4.7	86	0.00
45	s	surr4,Dibrflmethane	50.000	48.601	2.8	81	0.00
46	P	Carbontetrachloride	50.000	50.373	-0.7	82	0.00
47		1,1-Dichloropropene	50.000	49.952	0.1	82	0.00
48	s	surr1,1,2-dichloroethane-d4	50.000	48.020	4.0	80	0.00
49	P	Benzene	50.000	52.747	-5.5	82	0.00
50	P	1,2-Dichloroethane	50.000	48.095	3.8	76	0.00
51		Iso-Butyl Alcohol	1000.000	867.598	13.2	65	0.00

1st FNJ 03/25/24
2nd WR 03/26/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	57.378	-14.8	92	0.00
53		1-Butanol	2500.000	2294.976	8.2	64	0.00
54	P	Trichloroethene	50.000	51.068	-2.1	82	0.00
55	P	Methylcyclohexane	50.000	54.310	-8.6	93	0.00
56	P	1,2-Diclpropane	50.000	51.688	-3.4	79	0.00
57		Dibromomethane	50.000	50.687	-1.4	80	0.00
58		1,4-Dioxane	1000.000	913.194	8.7	72	0.00
59		Methyl Methacrylate	50.000	54.043	-8.1	81	0.00
60	P	Bromodichloromethane	50.000	52.116	-4.2	81	0.00
61		2-Nitropropane	100.000	100.861	-0.9	75	0.00
62		2-Chloroethylvinyl Ether	50.000	59.231	-18.5	94	0.00
63	P	cis-1,3-Dichloropropene	50.000	54.734	-9.5	83	0.00
64	P	4-Methyl-2-pentanone	50.000	48.121	3.8	75	0.00
65	s	SURR3,Toluene-d8	50.000	50.682	-1.4	86	0.00
66	P	Toluene	50.000	54.114	-8.2	87	0.00
67	P	trans-1,3-Dichloropropene	50.000	56.811	-13.6	86	0.00
68		Ethyl Methacrylate	50.000	53.284	-6.6	83	0.00
69	P	1,1,2-Trichloroethane	50.000	53.385	-6.8	84	0.00
70	s	SURR2,BFB	50.000	50.172	-0.3	85	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	90	0.00
72	P	Tetrachloroethene	50.000	53.271	-6.5	90	0.00
73	P	2-Hexanone	50.000	46.435	7.1	76	0.00
74		1,3-Dichloropropane	50.000	48.106	3.8	84	0.00
75	P	Dibromochloromethane	50.000	50.908	-1.8	84	0.00
76		N-Butyl Acetate	50.000	47.403	5.2	80	0.00
77	P	1,2-Dibromoethane	50.000	53.393	-6.8	94	0.00
78		3-Chlorobenzotrifluoride	50.000	48.817	2.4	80	0.00
79	P	Chlorobenzene	50.000	49.806	0.4	87	0.00
80		4-Chlorobenzotrifluoride	50.000	49.856	0.3	80	0.00
81		1,1,1,2-Tetrachloroethane	50.000	48.821	2.4	82	0.00
82	P	Ethylbenzene	50.000	51.909	-3.8	87	0.00
83	P	(m+p)Xylene	100.000	102.848	-2.8	87	0.00
84	P	o-Xylene	50.000	49.879	0.2	85	0.00
85	P	Styrene	50.000	52.935	-5.9	87	0.00
86	P	Bromoform	50.000	52.582	-5.2	87	0.00
87		2-Chlorobenzotrifluoride	50.000	47.014	6.0	78	0.00
88	P	Isopropylbenzene	50.000	50.276	-0.6	83	0.00
89		Cyclohexanone	1000.000	674.967	32.5#	50	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	55.429	-10.9	96	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	46.052	7.9	81	0.00
93		Bromobenzene	50.000	49.666	0.7	89	0.00
94		1,2,3-Trichloropropane	50.000	44.933	10.1	81	0.00
95		n-Propylbenzene	50.000	49.248	1.5	86	0.00
96		2-Chlorotoluene	50.000	47.165	5.7	84	0.00
97		3-Chlorotoluene	50.000	45.127	9.7	79	0.00
98		4-Chlorotoluene	50.000	48.194	3.6	86	0.00
99		1,3,5-Trimethylbenzene	50.000	48.680	2.6	83	0.00
100		tert-Butylbenzene	50.000	48.052	3.9	83	0.00
101		1,2,4-Trimethylbenzene	50.000	49.285	1.4	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	48.562	2.9	82	0.00
103		sec-Butylbenzene	50.000	49.528	0.9	85	0.00
104		p-Isopropyltoluene	50.000	50.130	-0.3	85	0.00
105	P	1,3-Dclbenz	50.000	47.958	4.1	87	0.00
106	P	1,4-Dclbenz	50.000	47.323	5.4	89	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	47.018	6.0	82	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	47.818	4.4	81	0.00
109		n-Butylbenzene	50.000	52.144	-4.3	89	0.00
110	P	1,2-Dclbenz	50.000	48.072	3.9	86	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	44.823	10.4	76	0.00
112		Trielution Dichlorotoluene	150.000	137.731	8.2	79	0.00
113		1,3,5-Trichlorobenzene	50.000	45.618	8.8	79	0.00
114		Coelution Dichlorotoluene	100.000	91.866	8.1	78	0.00
115	P	1,2,4-Tcbenzene	50.000	49.231	1.5	86	0.00
116		Hexachlorobt	50.000	49.585	0.8	87	0.00
117		Naphthalen	50.000	49.403	1.2	84	0.00
118		1,2,3-Tclbenzene	50.000	49.124	1.8	84	0.00
119		2,4,5-Trichlorotoluene	50.000	49.163	1.7	80	0.00
120		2,3,6-Trichlorotoluene	50.000	0.000	100.0#	0	-14.70#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1st FNJ 03/25/24
2nd WR 03/26/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.350	168	361761	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.478	114	534862	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.934	117	512698	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.037	152	296960	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.216	113	163609	48.60	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.20%				
48) surr1,1,2-dichloroetha...	5.770	65	202037	48.02	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.04%				
65) SURR3,Toluene-d8	8.367	98	636775	50.68	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.36%				
70) SURR2,BFB	11.044	95	235263	50.17	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.34%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.149	51	157780	46.936	ug/L		98
3) Dichlorodifluoromethane	1.119	85	179342m	46.504	ug/L		
4) Chloromethane	1.271	50	187471	42.227	ug/L		97
5) Vinyl Chloride	1.326	62	201376	46.173	ug/L		99
6) Bromomethane	1.546	94	148180m	47.395	ug/L		
7) Chloroethane	1.625	64	164284	47.612	ug/L		97
8) Freon 21	1.777	67	318342	49.413	ug/L		99
9) Trichlorofluoromethane	1.820	101	255914	49.886	ug/L		97
10) Diethyl Ether	2.052	59	139028	45.975	ug/L		96
11) Freon 123a	2.064	67	170743	47.548	ug/L		94
12) Freon 123	2.119	83	195841	48.569	ug/L		99
13) Acrolein	2.167	56	107083	108.850	ug/L		94
14) 1,1-Diclethene	2.241	96	134030	48.796	ug/L		99
15) Freon 113	2.241	101	138968	50.083	ug/L		99
16) Acetone	2.302	43	78869	39.764	ug/L		97
17) 2-Propanol	2.442	45	265890	800.474	ug/L		95
18) Iodomethane	2.375	142	191448	47.801	ug/L		99
19) Carbon Disulfide	2.430	76	356058	47.530	ug/L		99
20) Acetonitrile	2.576	41	225460m	257.962	ug/L		
21) Allyl Chloride	2.576	76	70560	48.712	ug/L	#	80
22) Methyl Acetate	2.606	43	223666	42.407	ug/L		98
23) Methylene Chloride	2.704	84	149254	43.862	ug/L		96
24) TBA	2.844	59	419813	774.724	ug/L		90
25) Acrylonitrile	2.978	53	428179	225.102	ug/L		99
26) Methyl-t-Butyl Ether	2.990	73	455422	44.772	ug/L		100
27) trans-1,2-Dichloroethene	2.984	96	149659	49.160	ug/L		92
28) 1,1-Diclethane	3.490	63	266416	47.552	ug/L		98
29) Vinyl Acetate	3.582	86	21261	51.170	ug/L	#	94
30) DIPE	3.594	45	416933	44.844	ug/L		94
31) 2-Chloro-1,3-Butadiene	3.600	53	240534	51.826	ug/L		92
32) ETBE	4.118	59	366985	43.226	ug/L		99
33) 2,2-Dichloropropane	4.313	77	173576	47.829	ug/L		95
34) cis-1,2-Dichloroethene	4.326	96	167492	48.484	ug/L		93
35) 2-Butanone	4.399	43	115329	43.609	ug/L		96
36) Propionitrile	4.515	54	180943	223.881	ug/L		100
37) Bromochloromethane	4.734	130	110398	49.394	ug/L		97
38) Methacrylonitrile	4.771	67	90430	46.493	ug/L		96
39) Tetrahydrofuran	4.825	42	78696	43.085	ug/L		96
40) Chloroform	4.911	83	268180	48.739	ug/L		98

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.191	97	211772	50.305	ug/L	99
42) TAME	6.069	73	356176	43.408	ug/L	99
44) Cyclohexane	5.258	41	152638	52.338	ug/L	98
46) Carbontetrachloride	5.466	117	179567	50.373	ug/L	99
47) 1,1-Dichloropropene	5.490	75	200121	49.952	ug/L	97
49) Benzene	5.825	78	594137	52.747	ug/L	99
50) 1,2-Dichloroethane	5.892	62	227360	48.095	ug/L	97
51) Iso-Butyl Alcohol	5.892	43	187885	867.598	ug/L	99
52) n-Heptane	6.301	43	203206	57.378	ug/L	97
53) 1-Butanol	6.892	56	285371	2294.976	ug/L	100
54) Trichloroethene	6.807	130	161789	51.068	ug/L	99
55) Methylcyclohexane	7.032	55	197897	54.310	ug/L	96
56) 1,2-Diclpropane	7.118	63	161450	51.688	ug/L	100
57) Dibromomethane	7.270	93	113411	50.687	ug/L	99
58) 1,4-Dioxane	7.343	88	68849	913.194	ug/L	99
59) Methyl Methacrylate	7.355	69	141246	54.043	ug/L	96
60) Bromodichloromethane	7.508	83	203394	52.116	ug/L	99
61) 2-Nitropropane	7.831	41	91019	100.861	ug/L	98
62) 2-Chloroethylvinyl Ether	7.935	63	131313	59.231	ug/L	98
63) cis-1,3-Dichloropropene	8.069	75	237313	54.734	ug/L	99
64) 4-Methyl-2-pentanone	8.300	43	240826	48.121	ug/L	97
66) Toluene	8.447	91	674266	54.114	ug/L	99
67) trans-1,3-Dichloropropene	8.752	75	209191	56.811	ug/L	95
68) Ethyl Methacrylate	8.892	69	237636	53.284	ug/L	97
69) 1,1,2-Trichloroethane	8.947	97	163506	53.385	ug/L	98
72) Tetrachloroethene	9.056	164	140029	53.271	ug/L	98
73) 2-Hexanone	9.258	43	175945	46.435	ug/L	97
74) 1,3-Dichloropropane	9.123	76	273716	48.106	ug/L	98
75) Dibromochloromethane	9.361	129	168458	50.908	ug/L	98
76) N-Butyl Acetate	9.410	43	319916	47.403	ug/L	98
77) 1,2-Dibromoethane	9.459	107	167501	53.393	ug/L	95
78) 3-Chlorobenzotrifluoride	9.983	180	236141	48.817	ug/L	98
79) Chlorobenzene	9.965	112	446362	49.806	ug/L	98
80) 4-Chlorobenzotrifluoride	10.044	180	214662	49.856	ug/L	97
81) 1,1,1,2-Tetrachloroethane	10.056	131	146305	48.821	ug/L	99
82) Ethylbenzene	10.087	106	235472	51.909	ug/L	98
83) (m+p)Xylene	10.202	106	591390	102.848	ug/L	99
84) o-Xylene	10.568	106	286562	49.879	ug/L	95
85) Styrene	10.587	104	501529	52.935	ug/L	97
86) Bromoform	10.751	173	115898	52.582	ug/L	96
87) 2-Chlorobenzotrifluoride	10.830	180	231280	47.014	ug/L	99
88) Isopropylbenzene	10.910	105	725674	50.276	ug/L	100
89) Cyclohexanone	11.001	55	466095	674.967	ug/L	99
90) trans-1,4-Dichloro-2-B...	11.245	53	51556	55.429	ug/L	91
92) 1,1,2,2-Tetrachloroethane	11.196	83	253075	46.052	ug/L	99
93) Bromobenzene	11.166	156	203049	49.666	ug/L	94
94) 1,2,3-Trichloropropane	11.227	110	80499	44.933	ug/L	95
95) n-Propylbenzene	11.275	91	882343	49.248	ug/L	99
96) 2-Chlorotoluene	11.342	91	504523	47.165	ug/L	98
97) 3-Chlorotoluene	11.397	91	489740	45.127	ug/L	98
98) 4-Chlorotoluene	11.440	91	609070	48.194	ug/L	100
99) 1,3,5-Trimethylbenzene	11.434	105	632885	48.680	ug/L	99
100) tert-Butylbenzene	11.708	119	521610	48.052	ug/L	99
101) 1,2,4-Trimethylbenzene	11.751	105	635665	49.285	ug/L	98
102) 3,4-Dichlorobenzotrifl...	11.818	214	199046	48.562	ug/L	97
103) sec-Butylbenzene	11.891	105	777928	49.528	ug/L	99

1st FJ 03/25/24
2nd JR 03/26/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

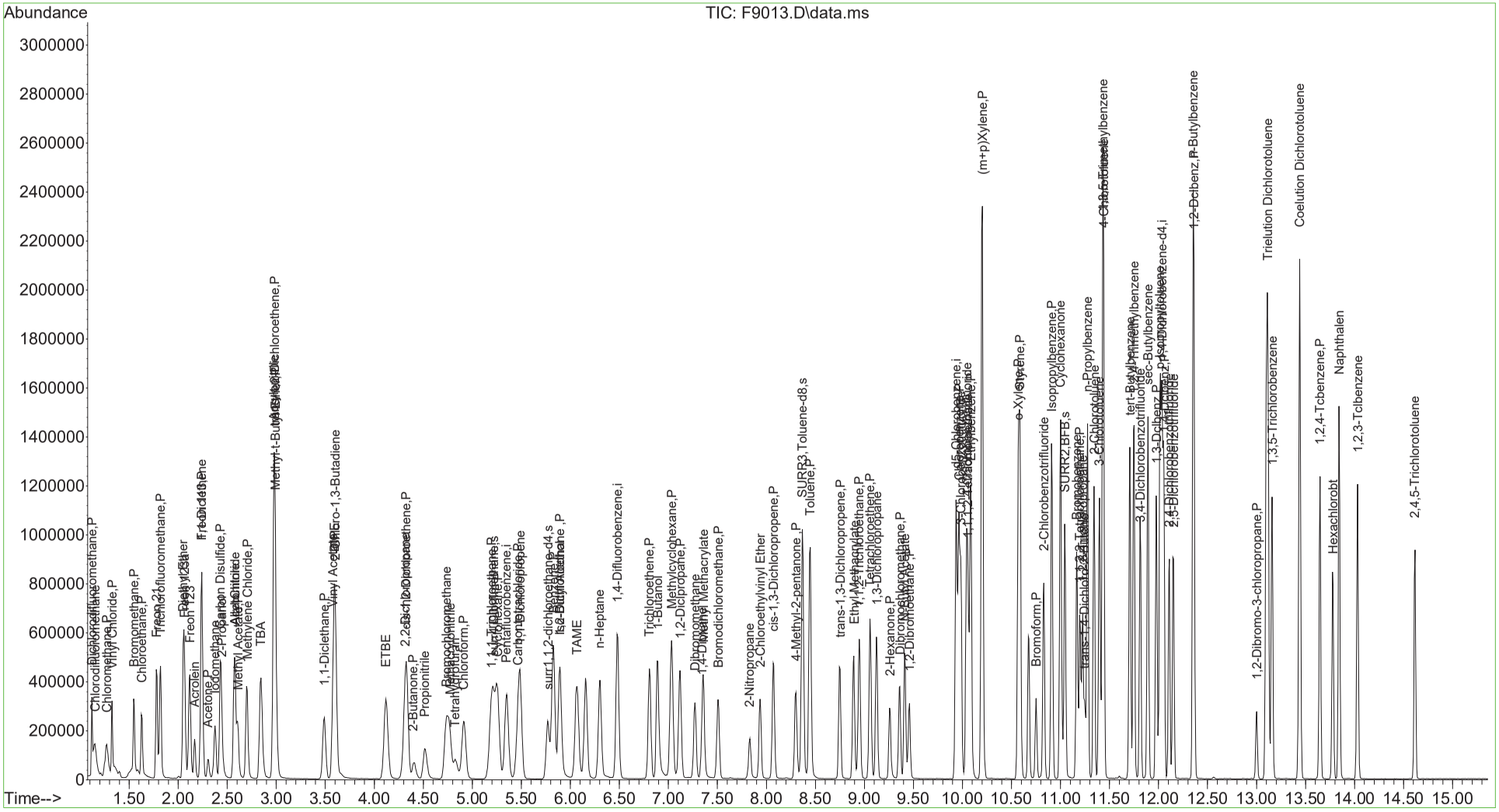
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.013	119	681146	50.130	ug/L	99
105) 1,3-Dclbenz	11.977	146	372265	47.958	ug/L	98
106) 1,4-Dclbenz	12.056	146	383801	47.323	ug/L	97
107) 2,4-Dichlorobenzotrifl...	12.111	214	180045	47.018	ug/L	99
108) 2,5-Dichlorobenzotrifl...	12.153	214	202515	47.818	ug/L	100
109) n-Butylbenzene	12.354	91	635529	52.144	ug/L	100
110) 1,2-Dclbenz	12.361	146	375530	48.072	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.001	157	56146	44.823	ug/L	96
112) Trielution Dichlorotol...	13.110	125	897800	137.731	ug/L	99
113) 1,3,5-Trichlorobenzene	13.159	180	272519	45.618	ug/L	98
114) Coelution Dichlorotoluene	13.440	125	654408	91.866	ug/L	98
115) 1,2,4-Tcbenzene	13.647	180	281488	49.231	ug/L	99
116) Hexachlorobt	13.781	225	123394	49.585	ug/L	98
117) Naphthalen	13.842	128	856080	49.403	ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	275867	49.124	ug/L	99
119) 2,4,5-Trichlorotoluene	14.616	159	186469	49.163	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9013.D
Acq On : 25 Mar 2024 10:37 am
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 10:53:46 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



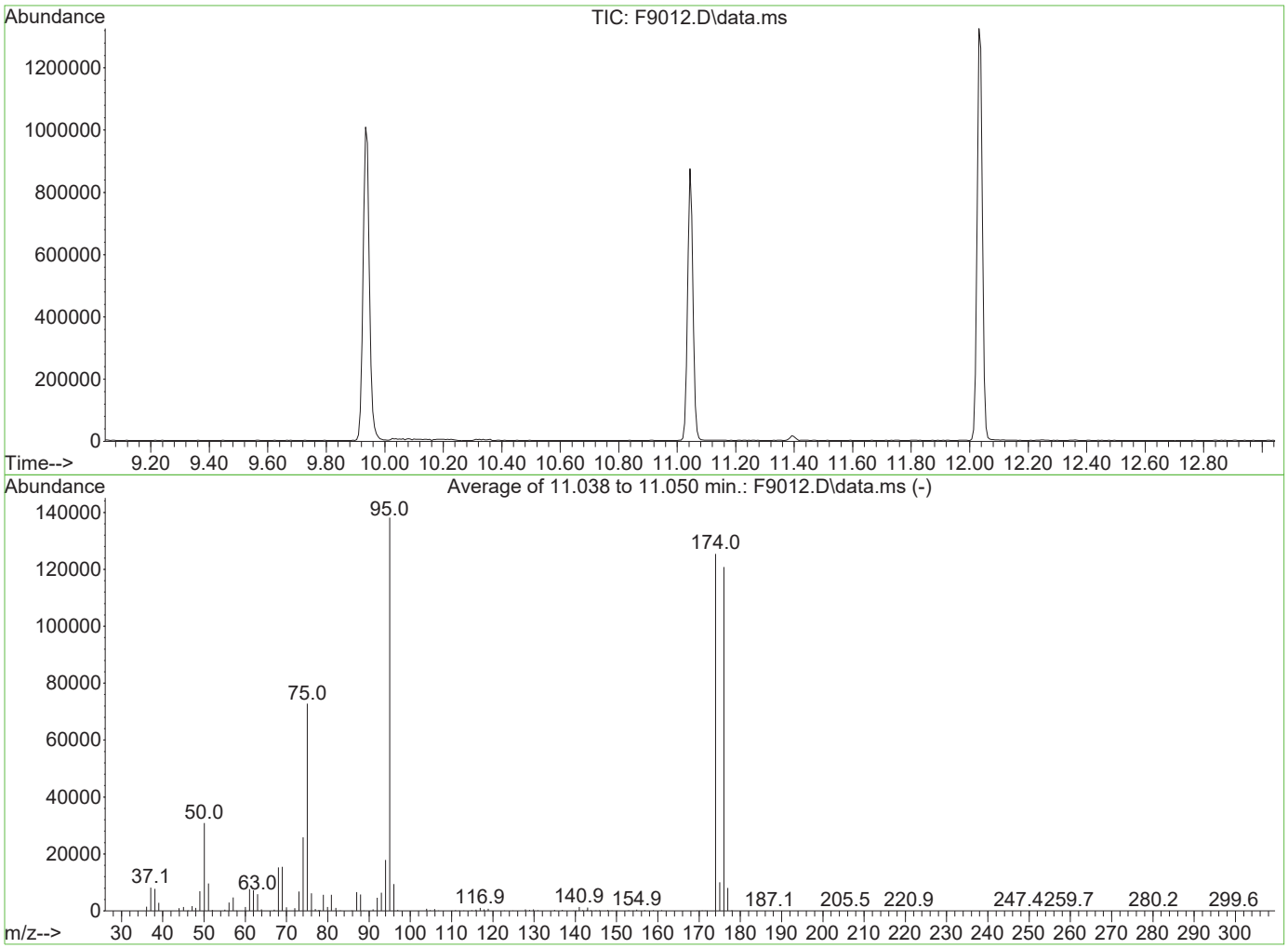
1st FJ 03/25/24
2nd 03/26/24

1st FJ 03/27/24
2nd FJ 03/27/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032524\
Data File : F9012.D
Acq On : 25 Mar 2024 10:04 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Title : MS#14 - 8260 WATERS 5mL Purge
Last Update : Wed Mar 06 14:33:47 2024



AutoFind: Scans 1635, 1636, 1637; 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	22.3	30845	PASS
75	95	30	80	52.7	72775	PASS
95	95	100	100	100.0	138179	PASS
96	95	5	9	6.8	9390	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	90.8	125472	PASS
175	174	5	9	8.0	10067	PASS
176	174	95	101	96.3	120843	PASS
177	176	5	9	6.7	8068	PASS

1st FNJ 03/06/24
2nd WR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	451386	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	689555	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	613748	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	343375	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	209568	48.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.58%			
48) surr1,1,2-dichloroetha...	5.771	65	263766	48.63	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.26%			
65) SURR3,Toluene-d8	8.368	98	789383	48.73	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.46%			
70) SURR2,BFB	11.044	95	301421	49.86	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.72%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.156	51	237729	56.677	ug/L	99
3) Dichlorodifluoromethane	1.119	85	155208	32.255	ug/L	99
4) Chloromethane	1.277	50	227059	40.989	ug/L	100
5) Vinyl Chloride	1.326	62	199891	36.732	ug/L	100
6) Bromomethane	1.546	94	188749m	48.384	ug/L	
7) Chloroethane	1.625	64	147267m	34.206	ug/L	
8) Freon 21	1.783	67	372724	46.367	ug/L	100
9) Trichlorofluoromethane	1.820	101	268649	41.971	ug/L	99
10) Diethyl Ether	2.052	59	190485	50.484	ug/L	99
11) Freon 123a	2.064	67	259022	57.810	ug/L	98
12) Freon 123	2.119	83	342792	68.134	ug/L	99
13) Acrolein	2.168	56	108426	88.331	ug/L	96
14) 1,1-Diclethene	2.241	96	143633	41.910	ug/L	96
15) Freon 113	2.241	101	142471	41.150	ug/L	97
16) Acetone	2.308	43	111375	45.003	ug/L	98
17) 2-Propanol	2.442	45	436690	1053.640	ug/L	99
18) Iodomethane	2.381	142	193245m	38.669	ug/L	
19) Carbon Disulfide	2.430	76	444253	47.528	ug/L	99
20) Acetonitrile	2.576	41	266666m	244.527	ug/L	
21) Allyl Chloride	2.576	76	91194	50.456	ug/L	95
22) Methyl Acetate	2.607	43	239497	36.393	ug/L	98
23) Methylene Chloride	2.704	84	188657	44.433	ug/L	99
24) TBA	2.850	59	684753	1012.742	ug/L	99
25) Acrylonitrile	2.978	53	591091	249.047	ug/L	98
26) Methyl-t-Butyl Ether	2.991	73	644637	50.790	ug/L	99
27) trans-1,2-Dichloroethene	2.984	96	161827	42.603	ug/L	93
28) 1,1-Diclethane	3.490	63	325527	46.566	ug/L	100
29) Vinyl Acetate	3.588	86	33985	65.553	ug/L #	62
30) DIPE	3.600	45	635309	54.764	ug/L	95
31) 2-Chloro-1,3-Butadiene	3.606	53	293099	50.613	ug/L	92
32) ETBE	4.124	59	532607	50.277	ug/L	98
33) 2,2-Dichloropropane	4.320	77	196203	43.329	ug/L	98
34) cis-1,2-Dichloroethene	4.338	96	201187	46.674	ug/L	91
35) 2-Butanone	4.411	43	145410	44.066	ug/L	98
36) Propionitrile	4.527	54	253914	251.788	ug/L	98
37) Bromochloromethane	4.740	130	136855	49.073	ug/L	97
38) Methacrylonitrile	4.771	67	123258	50.788	ug/L	97
39) Tetrahydrofuran	4.832	42	113157	49.651	ug/L	99
40) Chloroform	4.917	83	322326	46.948	ug/L	96

1st FNJ 03/06/24
2nd WR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.197	97	245239	46.688 ug/L	96
42) TAME	6.069	73	566322	55.315 ug/L	98
44) Cyclohexane	5.258	41	200517	53.331 ug/L	100
46) Carbontetrachloride	5.472	117	194678	42.361 ug/L	96
47) 1,1-Dichloropropene	5.496	75	217657	42.141 ug/L	98
49) Benzene	5.831	78	698680	48.113 ug/L	100
50) 1,2-Dichloroethane	5.892	62	297252	48.774 ug/L	99
51) Iso-Butyl Alcohol	5.899	43	277176	984.135 ug/L	100
52) n-Heptane	6.301	43	181153	39.676 ug/L	98
53) 1-Butanol	6.898	56	439957	2685.757 ug/L	99
54) Trichloroethene	6.813	130	182769	44.748 ug/L	96
55) Methylcyclohexane	7.039	55	246064	52.379 ug/L	97
56) 1,2-Diclpropane	7.124	63	196022	48.677 ug/L	99
57) Dibromomethane	7.276	93	143010	49.577 ug/L	97
58) 1,4-Dioxane	7.343	88	91390	940.236 ug/L	93
59) Methyl Methacrylate	7.362	69	187260	55.575 ug/L	97
60) Bromodichloromethane	7.508	83	249979	49.683 ug/L	99
61) 2-Nitropropane	7.831	41	109651	95.161 ug/L	94
62) 2-Chloroethylvinyl Ether	7.941	63	142733	50.468 ug/L	99
63) cis-1,3-Dichloropropene	8.075	75	298875	53.589 ug/L	99
64) 4-Methyl-2-pentanone	8.300	43	321074	49.763 ug/L	95
66) Toluene	8.447	91	735098	45.761 ug/L	98
67) trans-1,3-Dichloropropene	8.752	75	255308	54.171 ug/L	95
68) Ethyl Methacrylate	8.892	69	312717	54.291 ug/L	95
69) 1,1,2-Trichloroethane	8.953	97	196486	49.761 ug/L	98
72) Tetrachloroethene	9.063	164	138251	43.935 ug/L	97
73) 2-Hexanone	9.258	43	236451	52.129 ug/L	99
74) 1,3-Dichloropropane	9.124	76	338327	49.671 ug/L	98
75) Dibromochloromethane	9.361	129	197777	50.006 ug/L	99
76) N-Butyl Acetate	9.410	43	436081	53.390 ug/L	99
77) 1,2-Dibromoethane	9.459	107	194442	51.776 ug/L	99
78) 3-Chlorobenzotrifluoride	9.983	180	284237	49.086 ug/L	96
79) Chlorobenzene	9.965	112	496698	46.297 ug/L	99
80) 4-Chlorobenzotrifluoride	10.044	180	256244	49.715 ug/L	95
81) 1,1,1,2-Tetrachloroethane	10.056	131	172923	48.242 ug/L	99
82) Ethylbenzene	10.087	106	253485	46.680 ug/L	99
83) (m+p)Xylene	10.203	106	645045	93.710 ug/L	98
84) o-Xylene	10.568	106	325221	47.288 ug/L	93
85) Styrene	10.587	104	571170	50.360 ug/L	99
86) Bromoform	10.751	173	147253	55.431 ug/L	95
87) 2-Chlorobenzotrifluoride	10.831	180	288619	49.010 ug/L	98
88) Isopropylbenzene	10.910	105	781571	45.233 ug/L	100
89) Cyclohexanone	11.001	55	1060176	1282.501 ug/L	99
90) trans-1,4-Dichloro-2-B...	11.245	53	67290	60.434 ug/L	86
92) 1,1,2,2-Tetrachloroethane	11.196	83	314030	49.419 ug/L	99
93) Bromobenzene	11.166	156	227478	48.120 ug/L	98
94) 1,2,3-Trichloropropane	11.227	110	101714	49.100 ug/L	95
95) n-Propylbenzene	11.276	91	934206	45.095 ug/L	99
96) 2-Chlorotoluene	11.343	91	562949	45.513 ug/L	99
97) 3-Chlorotoluene	11.397	91	640618	51.051 ug/L	100
98) 4-Chlorotoluene	11.440	91	671721	45.967 ug/L	99
99) 1,3,5-Trimethylbenzene	11.434	105	688872	45.824 ug/L	100
100) tert-Butylbenzene	11.708	119	584560	46.572 ug/L	99
101) 1,2,4-Trimethylbenzene	11.751	105	687772	46.117 ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.818	214	232912	49.143 ug/L	97
103) sec-Butylbenzene	11.891	105	828842	45.637 ug/L	99

1st FJ 03/06/24
2nd JR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

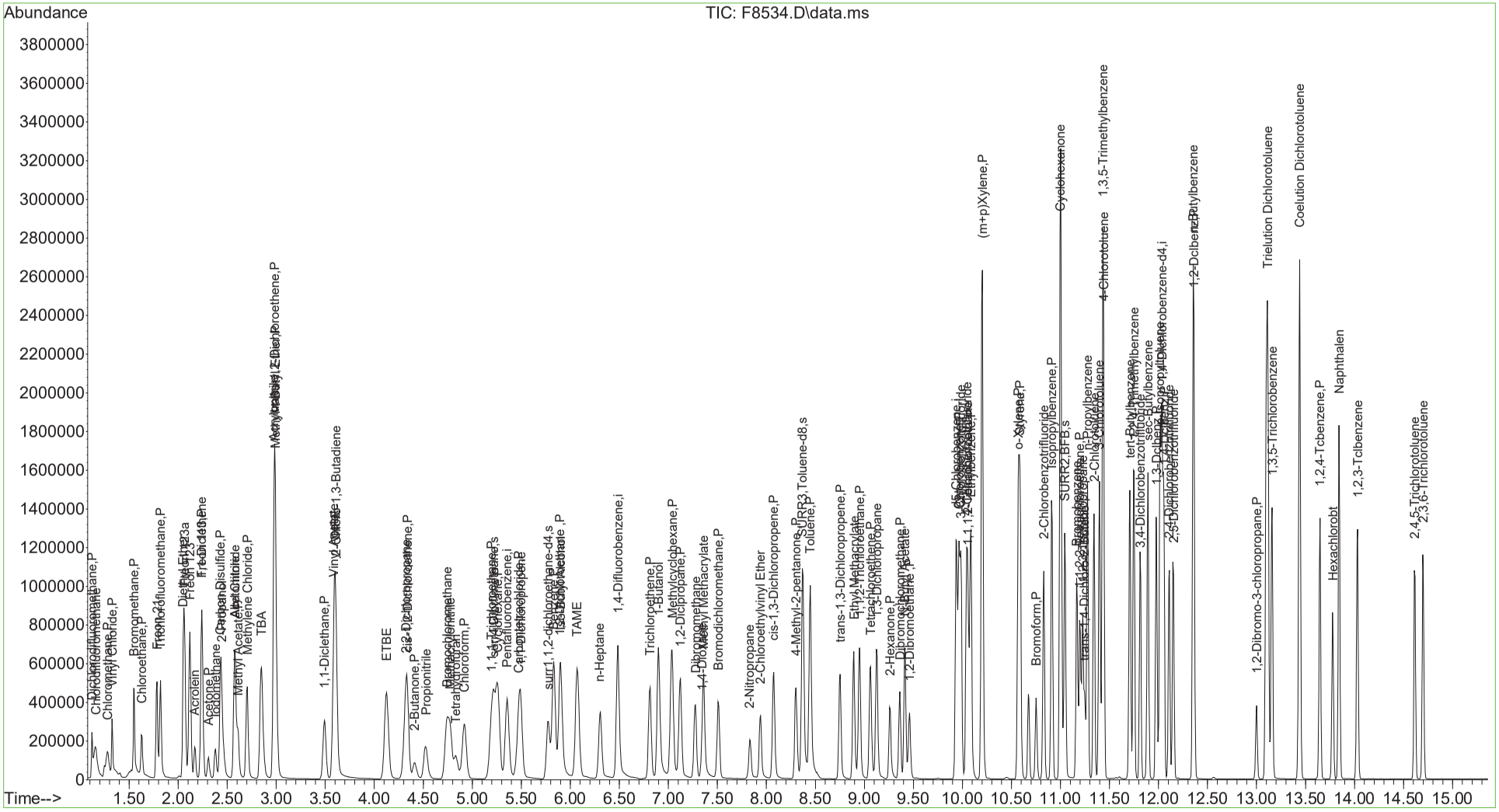
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.013	119	722790	46.005	ug/L	100
105) 1,3-Dclbenz	11.977	146	418463	46.623	ug/L	98
106) 1,4-Dclbenz	12.056	146	431138	45.974	ug/L	99
107) 2,4-Dichlorobenzotrifl...	12.111	214	211969	47.872	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.153	214	239039	48.813	ug/L	99
109) n-Butylbenzene	12.355	91	646378	45.866	ug/L	100
110) 1,2-Dclbenz	12.361	146	431175	47.734	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.001	157	73955	50.613	ug/L	96
112) Trielution Dichlorotol...	13.111	125	1126683	149.480	ug/L	99
113) 1,3,5-Trichlorobenzene	13.159	180	338599	49.018	ug/L	100
114) Coelution Dichlorotoluene	13.440	125	836896	101.603	ug/L	99
115) 1,2,4-Tcbenzene	13.647	180	308531	46.667	ug/L	99
116) Hexachlorobt	13.775	225	125326	43.554	ug/L	98
117) Naphthalen	13.842	128	1018081	50.810	ug/L	100
118) 1,2,3-Tclbenzene	14.031	180	314398	48.417	ug/L	98
119) 2,4,5-Trichlorotoluene	14.610	159	219427	50.032	ug/L	98
120) 2,3,6-Trichlorotoluene	14.696	159	212749	50.572	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



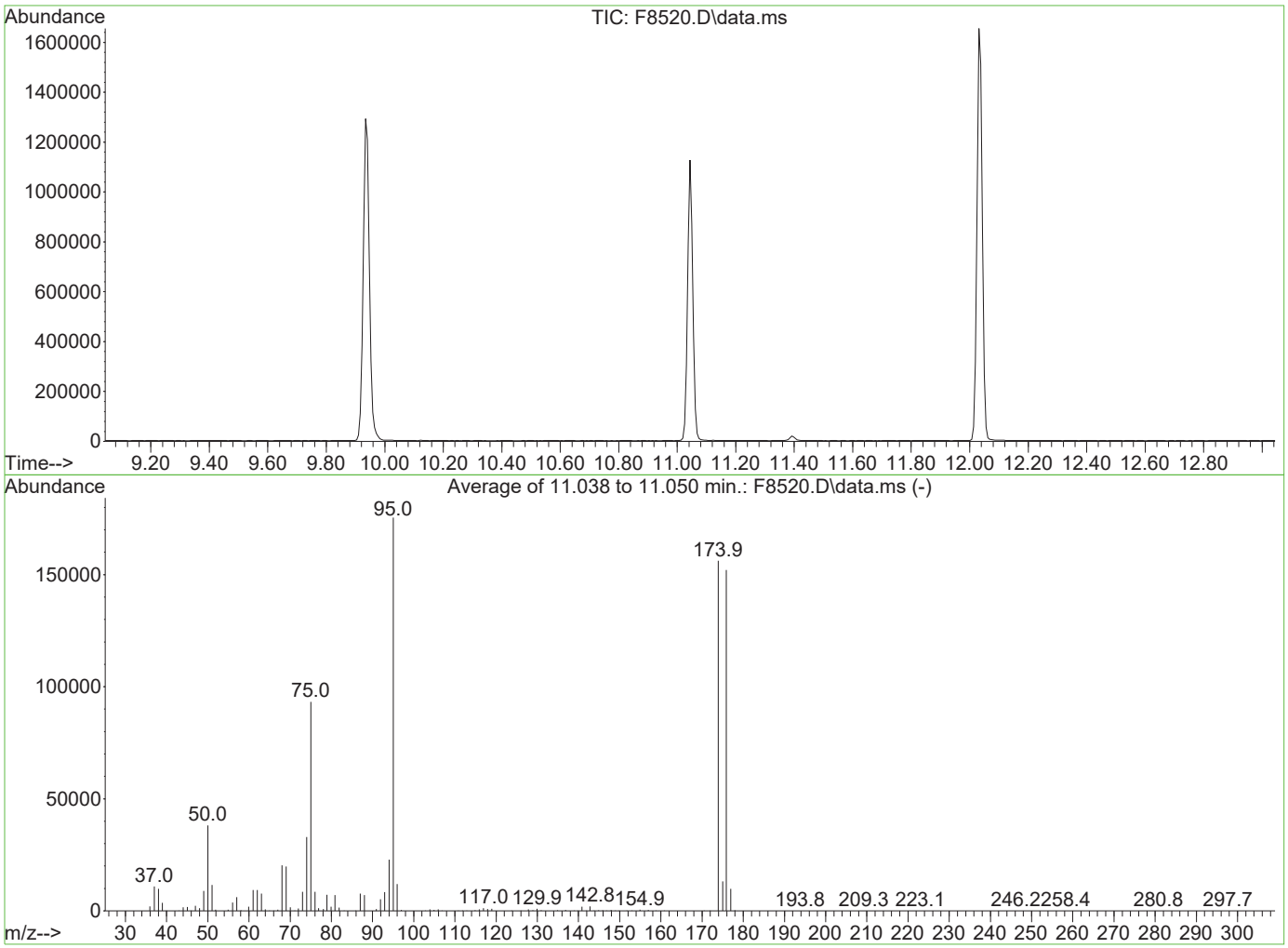
1st FJ 03/06/24
2nd 03/07/24

1st FN 03/06/24
2nd MR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8520.D
Acq On : 05 Mar 2024 09:17 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Title : MS#14 - 8260 WATERS 5mL Purge
Last Update : Wed Feb 21 09:22:24 2024



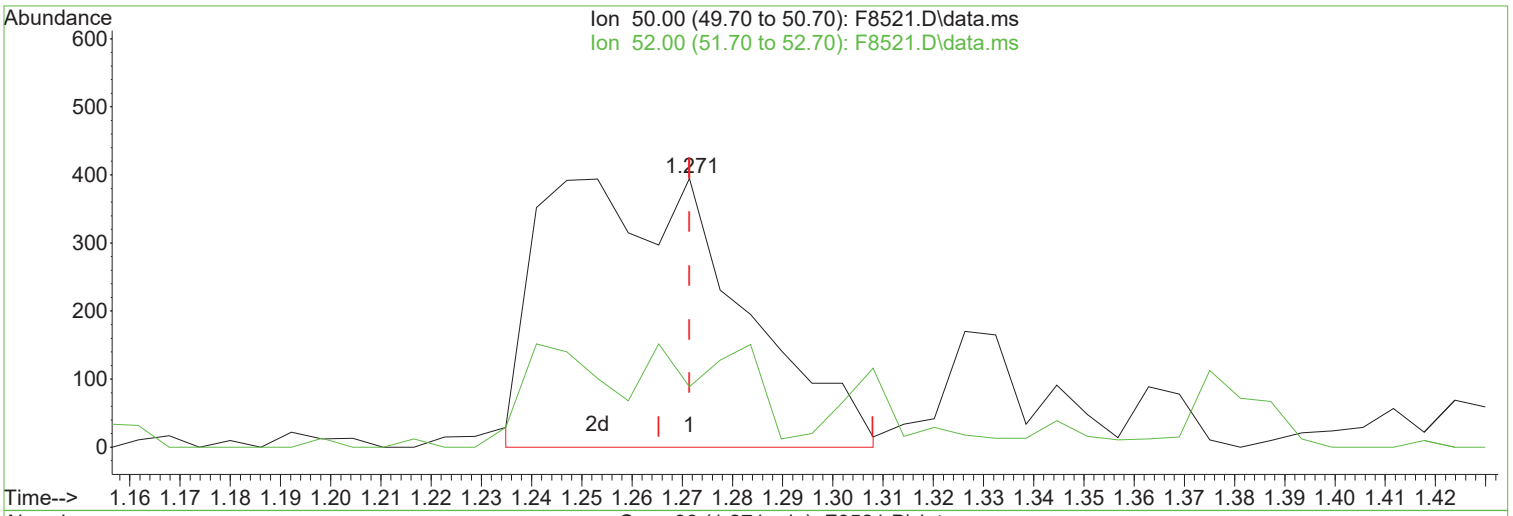
AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

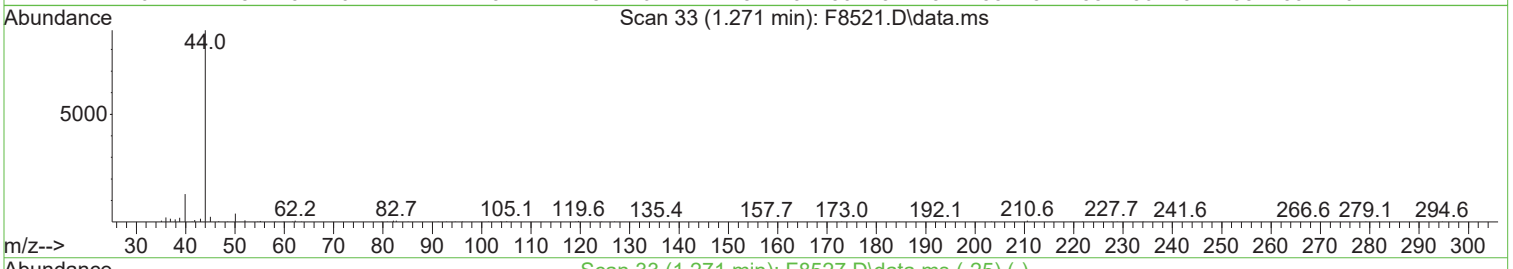
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	38197	PASS
75	95	30	80	53.2	93261	PASS
95	95	100	100	100.0	175465	PASS
96	95	5	9	6.8	11911	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	89.0	156192	PASS
175	174	5	9	8.4	13098	PASS
176	174	95	101	97.4	152141	PASS
177	176	5	9	6.5	9835	PASS

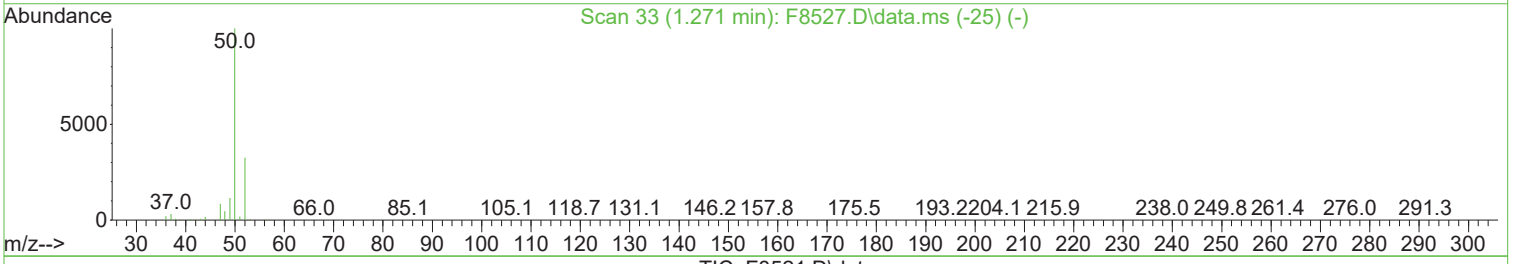
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8521.D
Acq On : 05 Mar 2024 09:55 am
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 15:02:30 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8521.D\data.ms

(4) Chloromethane (P)

1.271min (-0.000) 0.21 ug/L m

response 1067

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	32.70	22.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

03/06/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8521.D
Acq On : 05 Mar 2024 09:55 am
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 15:02:30 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

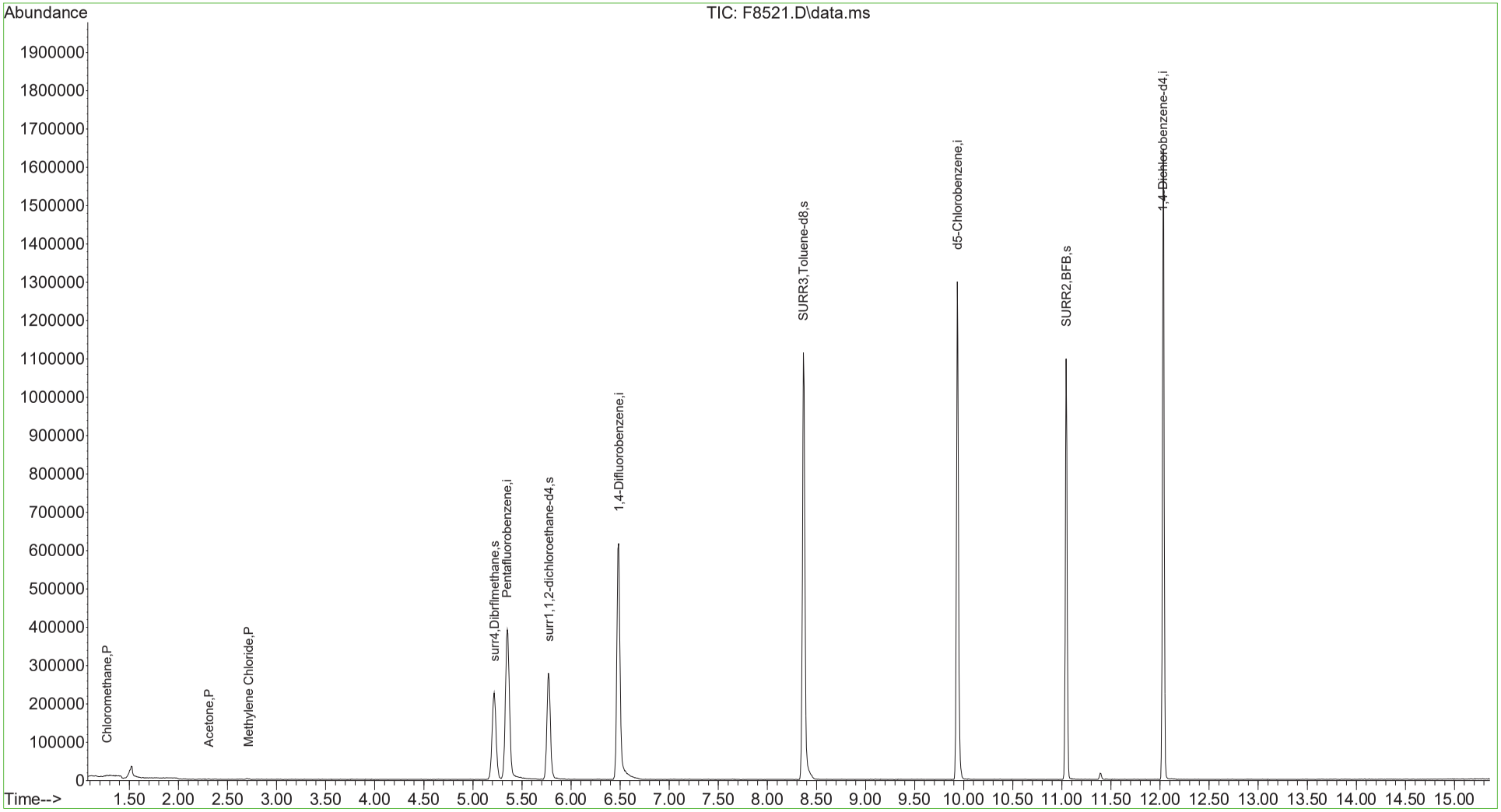
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.350	168	418112	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	631870	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	592057	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.032	152	313145	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	186702	46.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.90%			
48) surr1,1,2-dichloroetha...	5.771	65	250662	50.43	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.86%			
65) SURR3,Toluene-d8	8.368	98	738085	49.73	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.46%			
70) SURR2,BFB	11.044	95	266828	48.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.34%			
Target Compounds						Qvalue
4) Chloromethane	1.271	50	1067m	0.208	ug/L	
16) Acetone	2.314	43	952	0.415	ug/L	73
23) Methylene Chloride	2.710	84	838	0.213	ug/L #	62

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

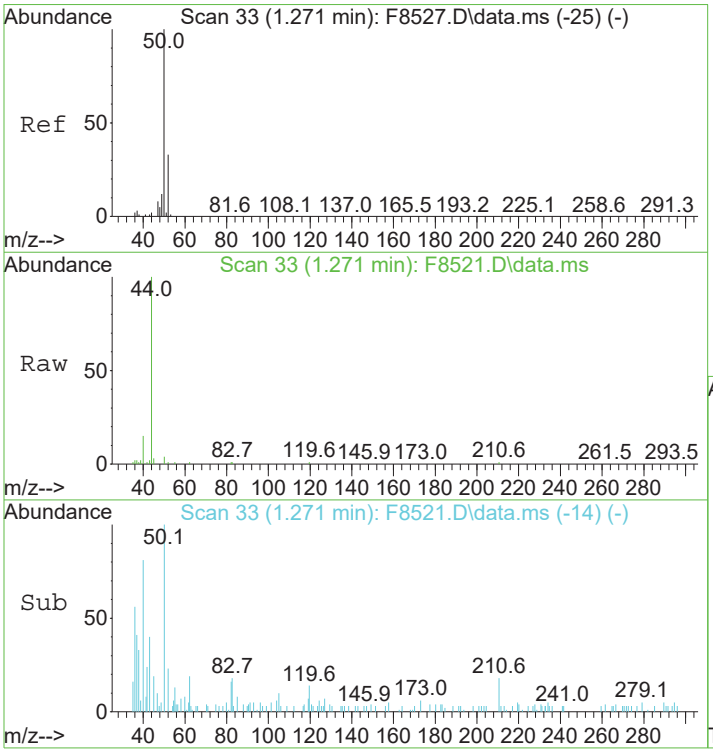
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8521.D
Acq On : 05 Mar 2024 09:55 am
Operator : F.NAEGLER
Sample : ICALBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 15:02:30 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



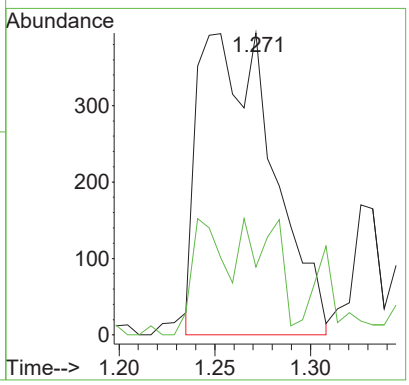
1st FJ 03/06/24
2nd [illegible] 03/07/24

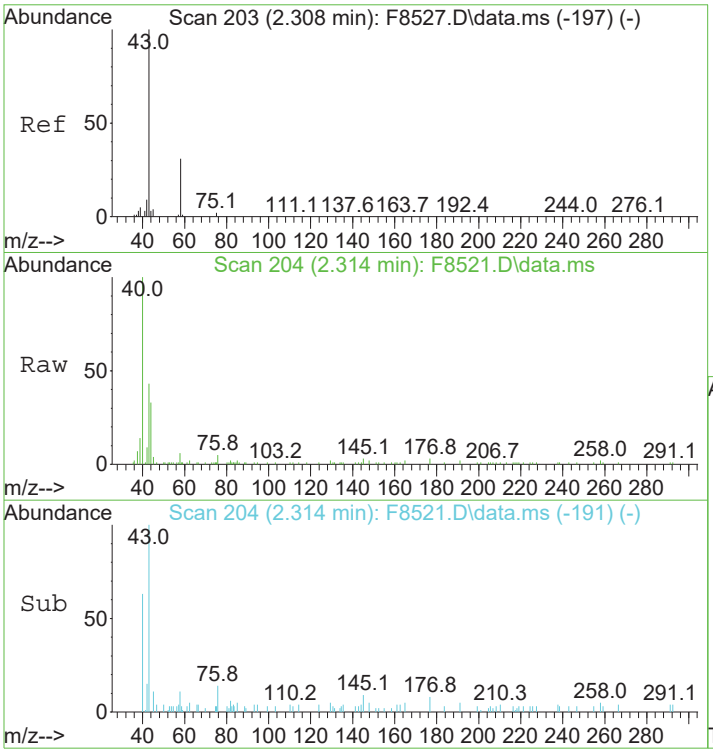


#4
Chloromethane
Concen: 0.21 ug/L m
RT: 1.271 min Scan# 33
Delta R.T. -0.000 min
Lab File: F8521.D
Acq: 05 Mar 2024 09:55 am

Tgt Ion: 50 Resp: 1067

Ion	Ratio	Lower	Upper
50	100		
52	22.5	12.7	52.7

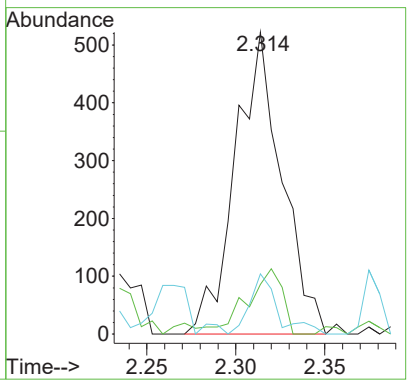


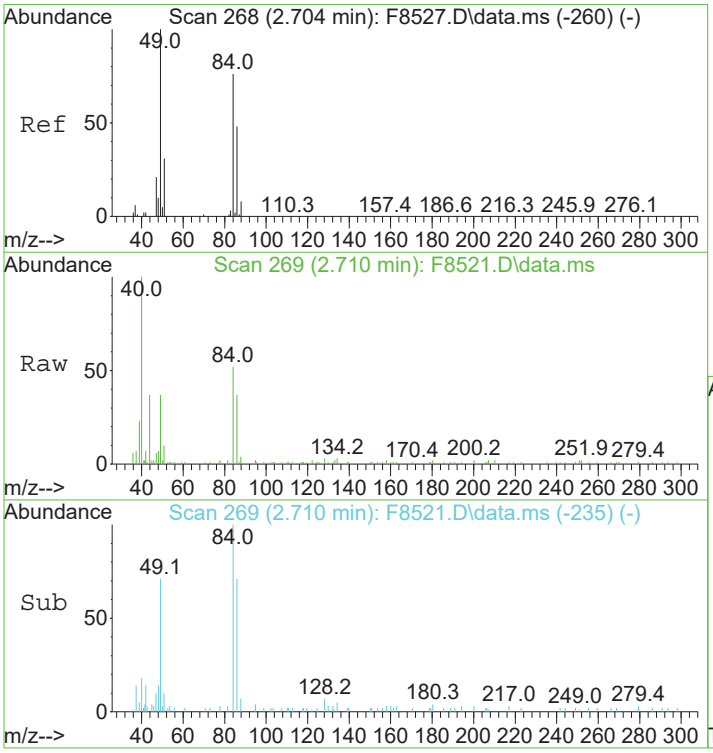


#16
Acetone
Concen: 0.42 ug/L
RT: 2.314 min Scan# 204
Delta R.T. 0.006 min
Lab File: F8521.D
Acq: 05 Mar 2024 09:55 am

Tgt Ion: 43 Resp: 952

Ion	Ratio	Lower	Upper
43	100		
58	16.5	10.6	50.6
42	19.9	0.0	28.7

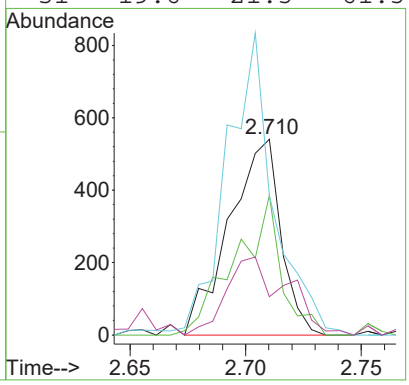




#23
Methylene Chloride
Concen: 0.21 ug/L
RT: 2.710 min Scan# 269
Delta R.T. 0.006 min
Lab File: F8521.D
Acq: 05 Mar 2024 09:55 am

Tgt Ion: 84 Resp: 838

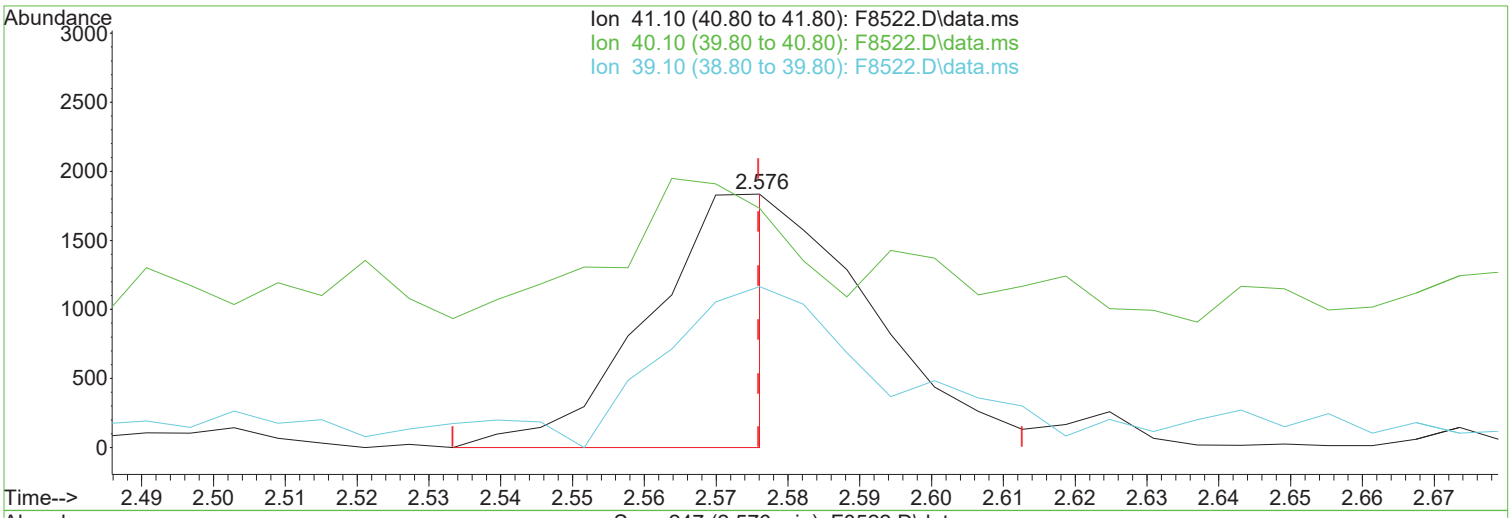
Ion	Ratio	Lower	Upper
84	100		
86	71.3	42.9	82.9
49	71.2	111.7	151.7#
51	19.6	21.3	61.3#

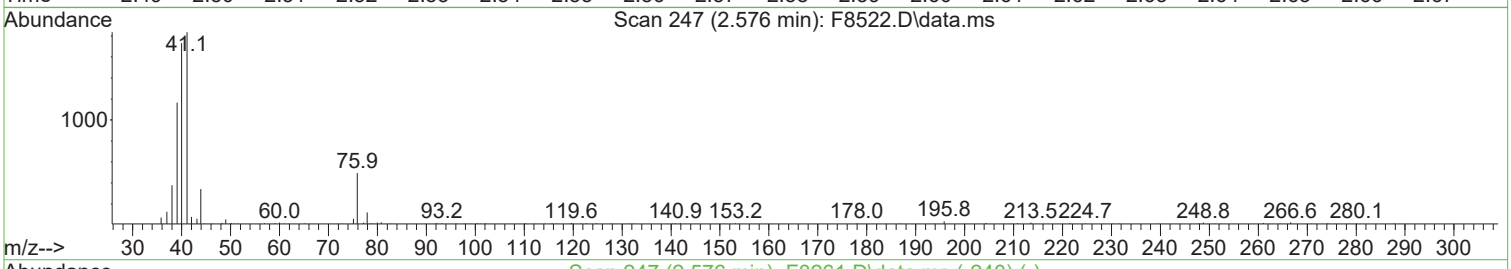


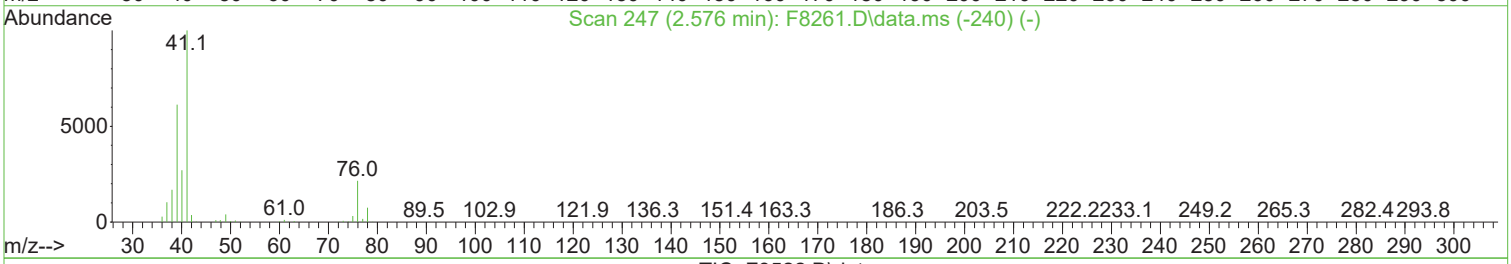
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 2.14 ug/L m

response 2238

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	94.34#
39.10	61.30	63.51
0.00	0.00	0.00

Manual Integration:

After

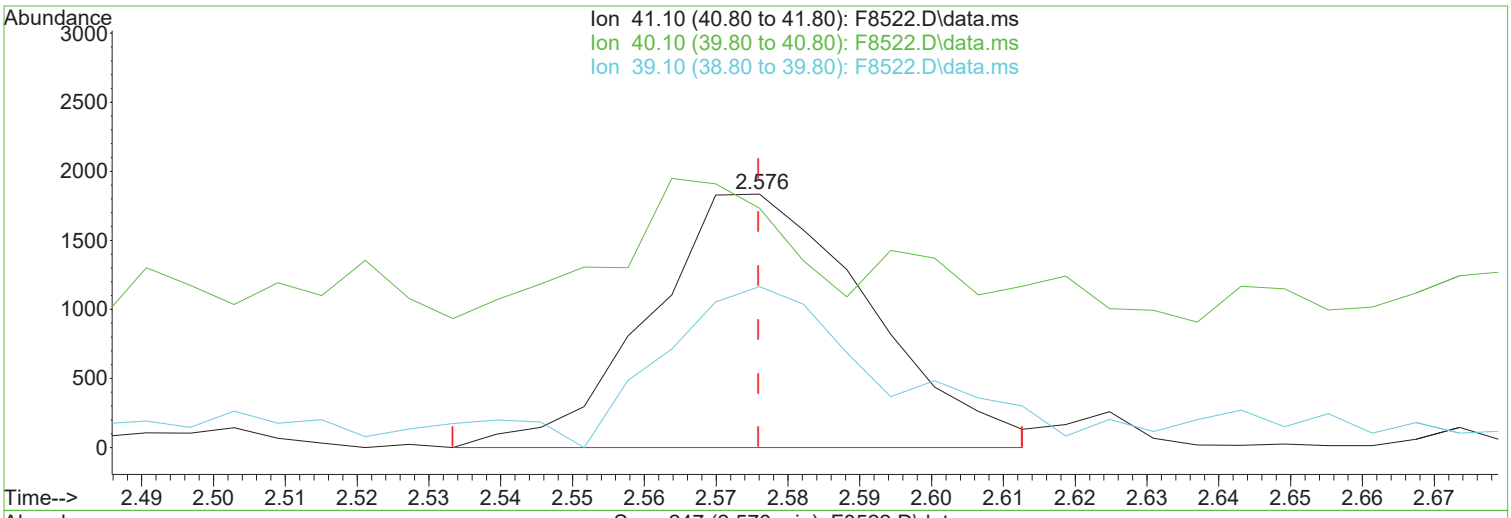
Poor integration.

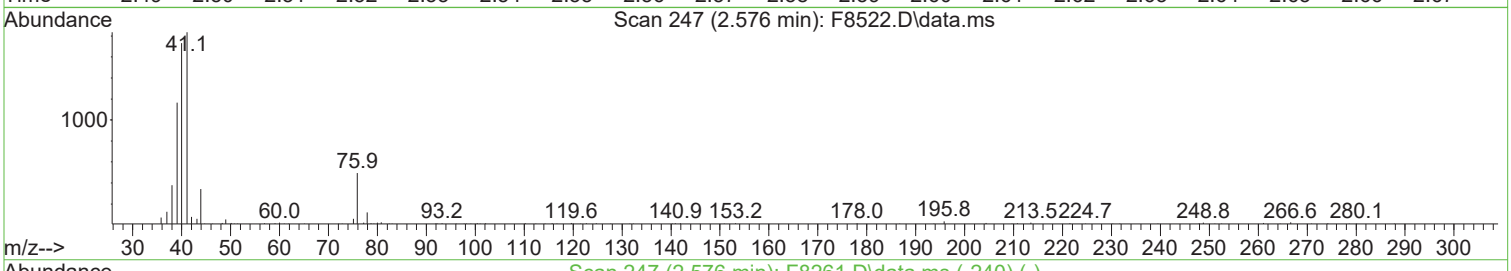
03/06/24

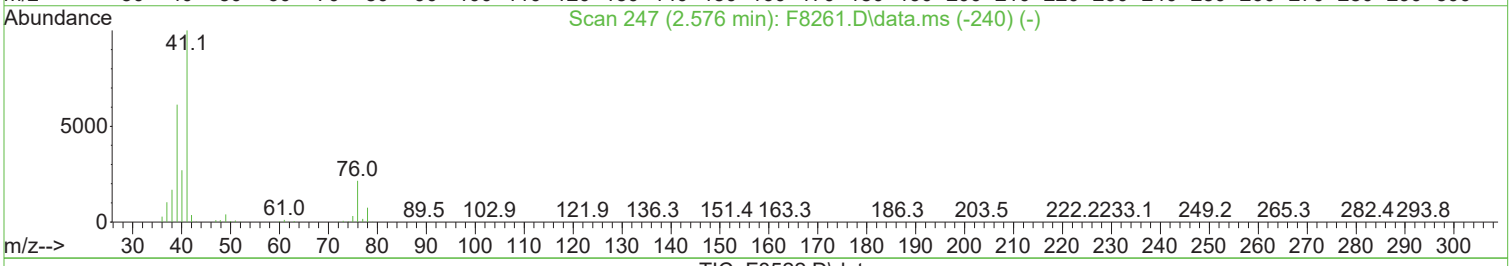
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 3.72 ug/L

response 3889

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	94.34#
39.10	61.30	63.51
0.00	0.00	0.00

Manual Integration:

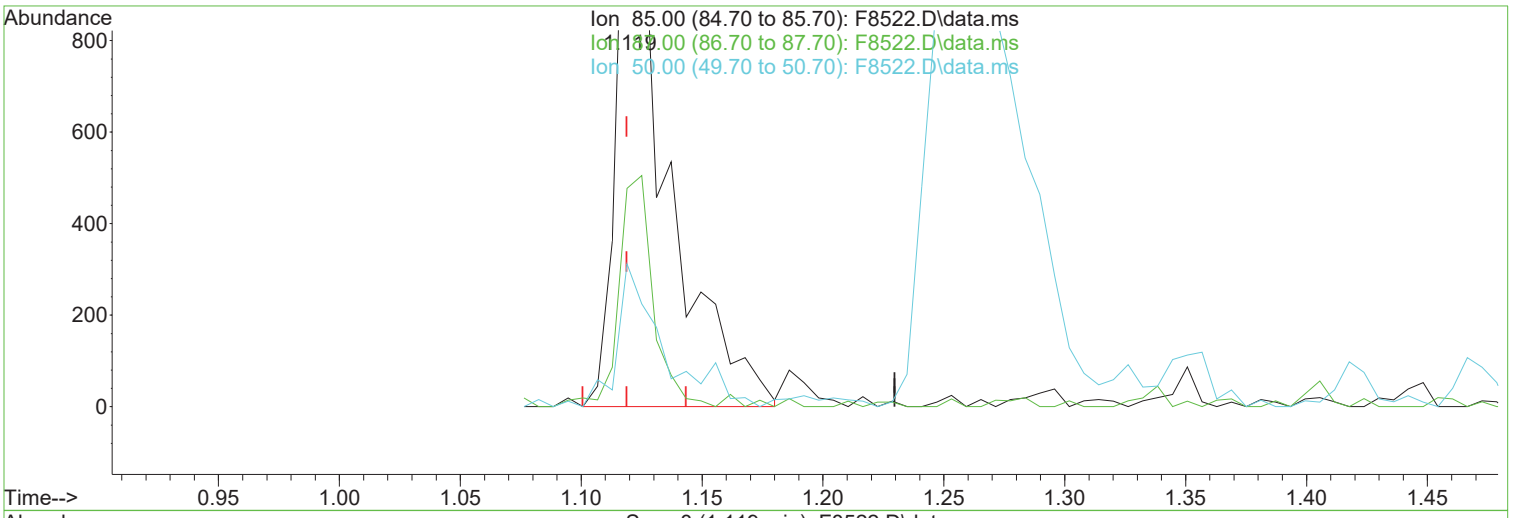
Before

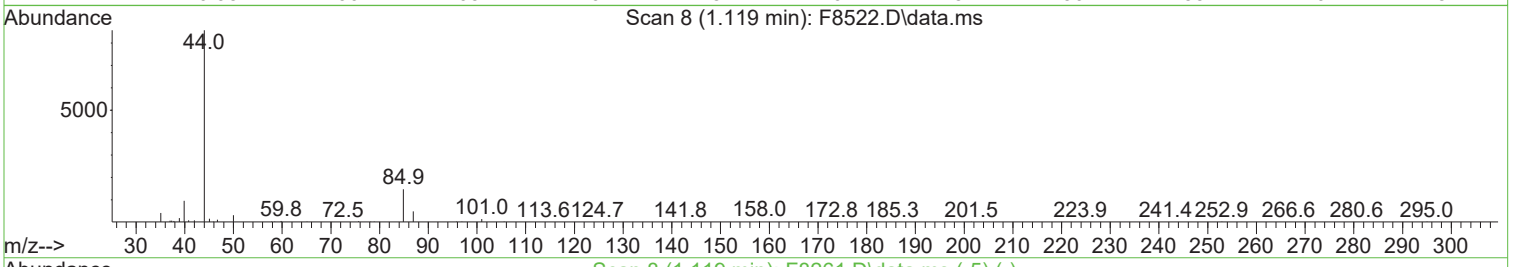
03/06/24

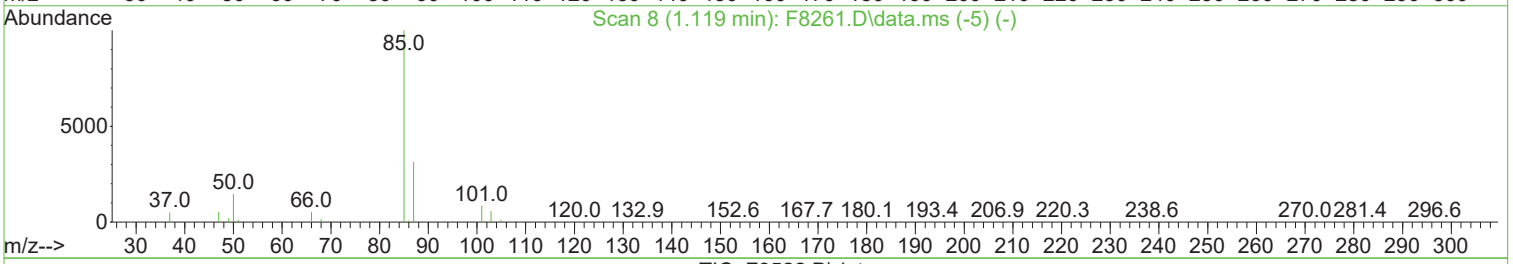
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (+ 0.000) 0.43 ug/L m

response 1854

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	32.34
50.00	14.60	21.15
0.00	0.00	0.00

Manual Integration:

After

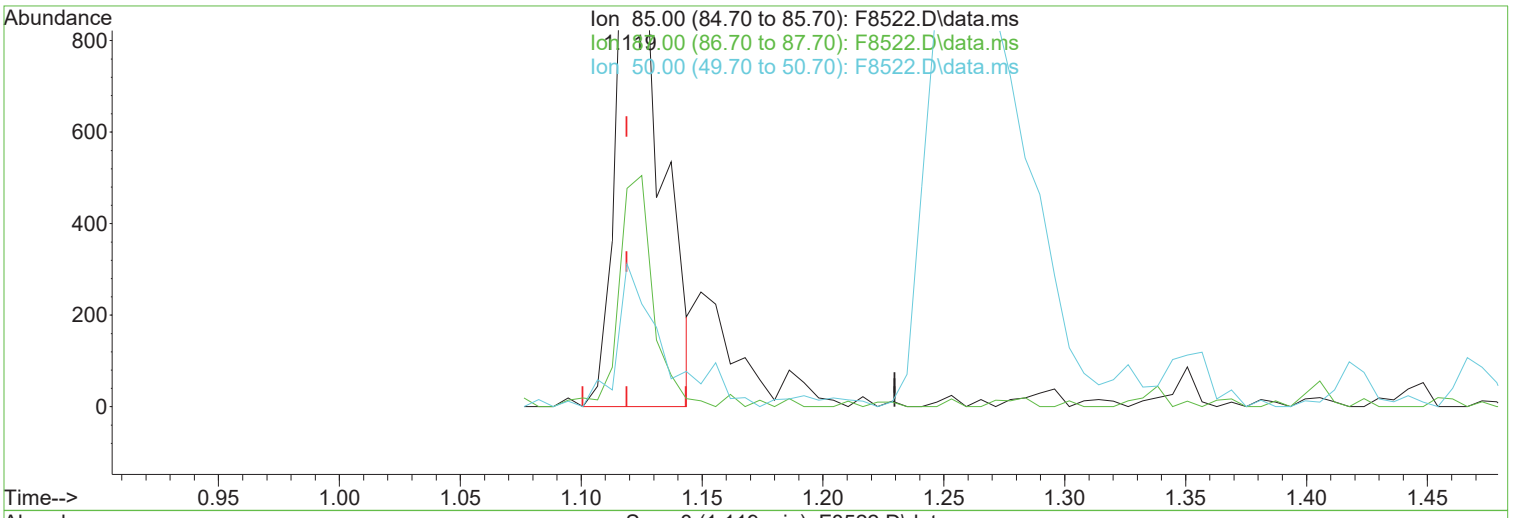
Poor integration.

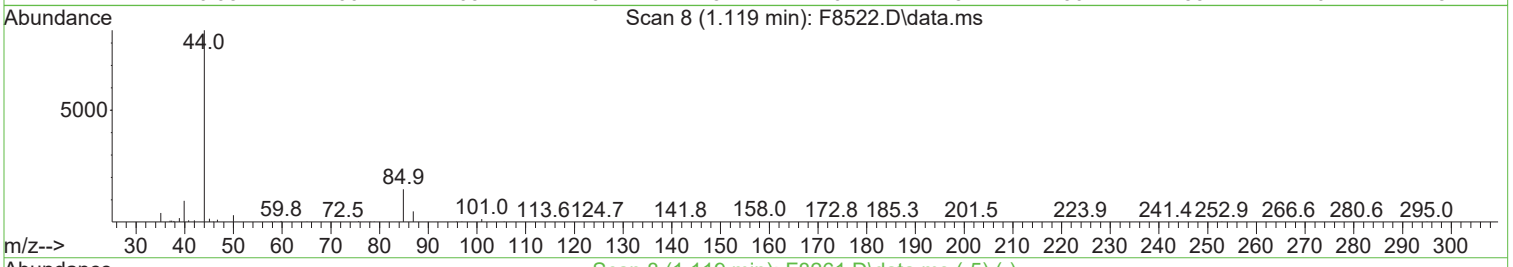
03/06/24

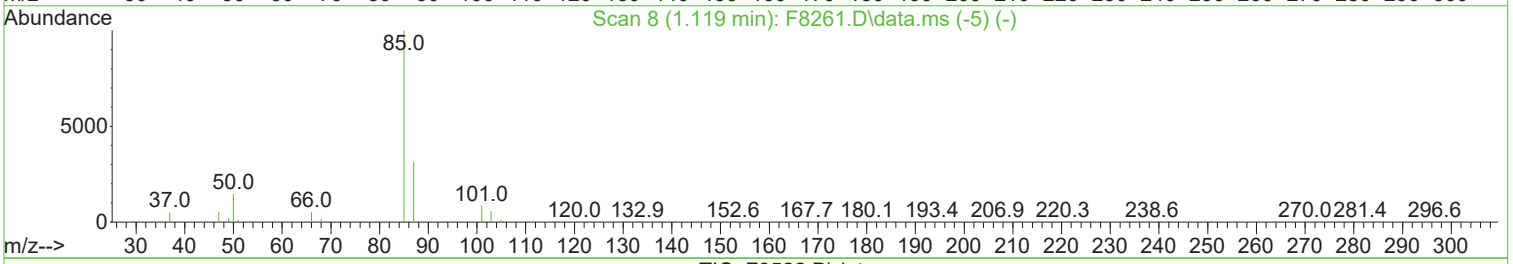
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (+ 0.000) 0.37 ug/L

response 1581

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.30	32.34
50.00	14.60	21.15
0.00	0.00	0.00

Manual Integration:

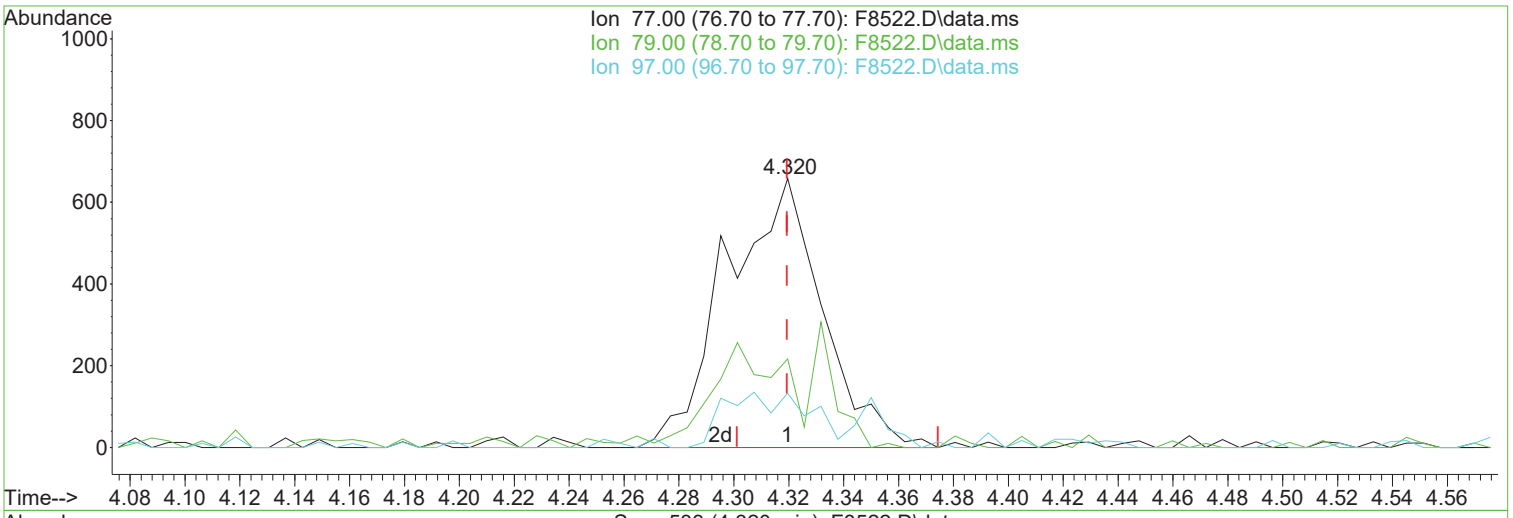
Before

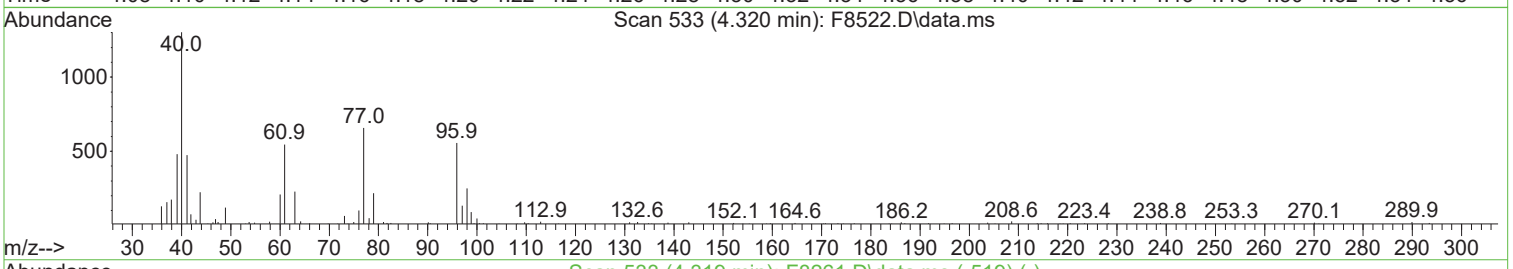
03/06/24

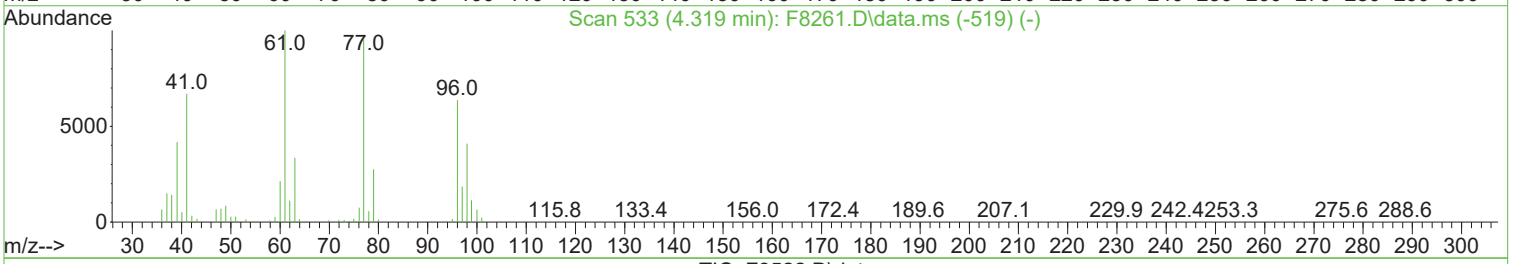
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(33) 2,2-Dichloropropane

4.320min (+ 0.000) 0.34 ug/L m

response 1603

Ion	Exp%	Act%
77.00	100.00	100.00
79.00	28.90	32.98
97.00	19.50	20.21
0.00	0.00	0.00

Manual Integration:

After

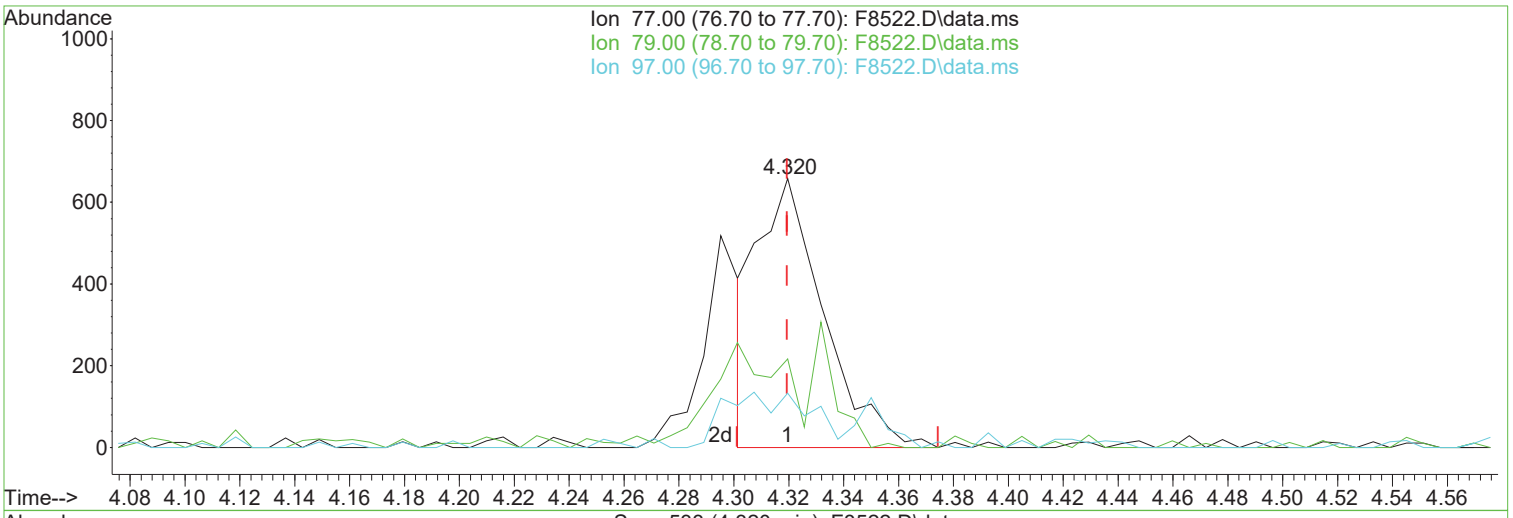
Poor integration.

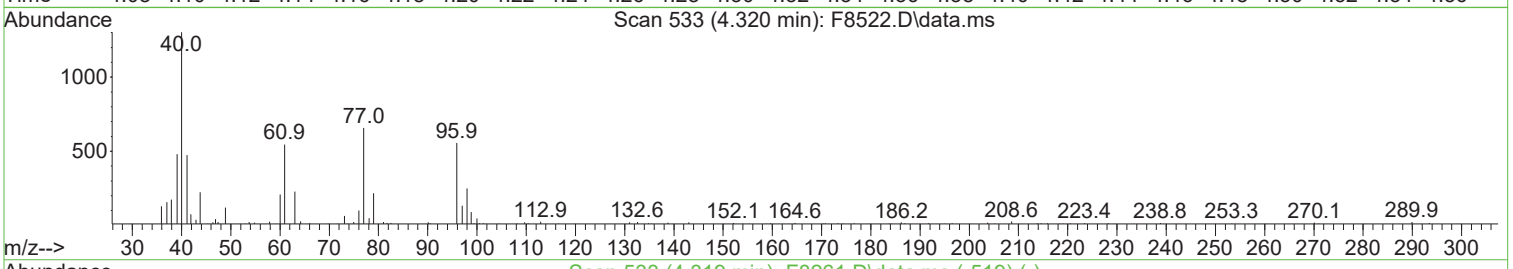
03/06/24

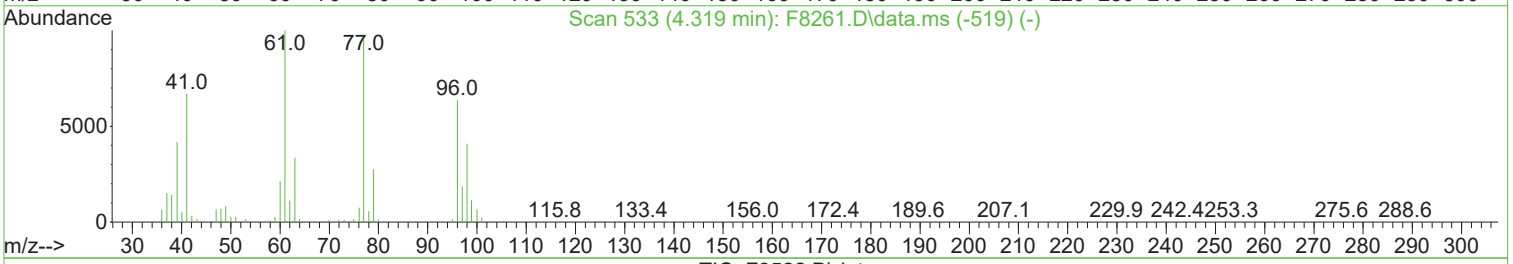
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(33) 2,2-Dichloropropane

4.320min (+ 0.000) 0.24 ug/L

response 1113

Ion	Exp%	Act%
77.00	100.00	100.00
79.00	28.90	32.98
97.00	19.50	20.21
0.00	0.00	0.00

Manual Integration:

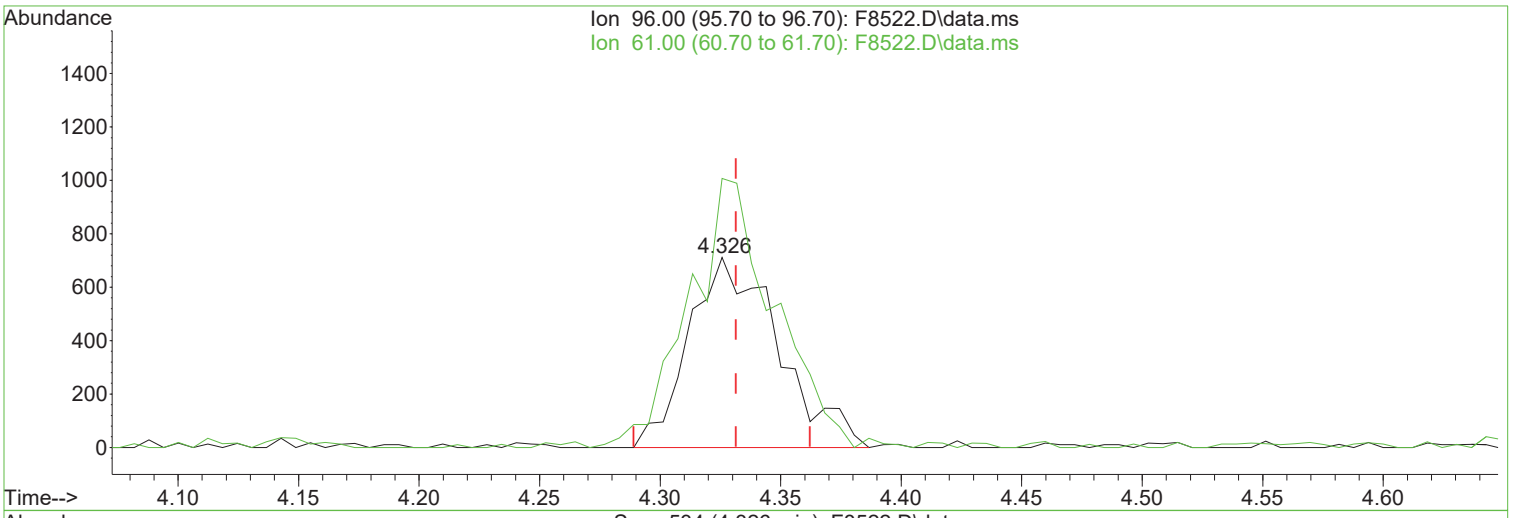
Before

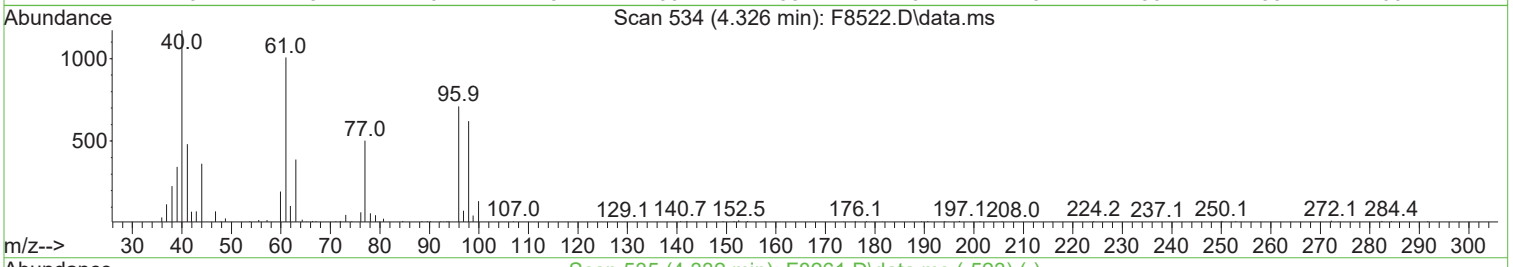
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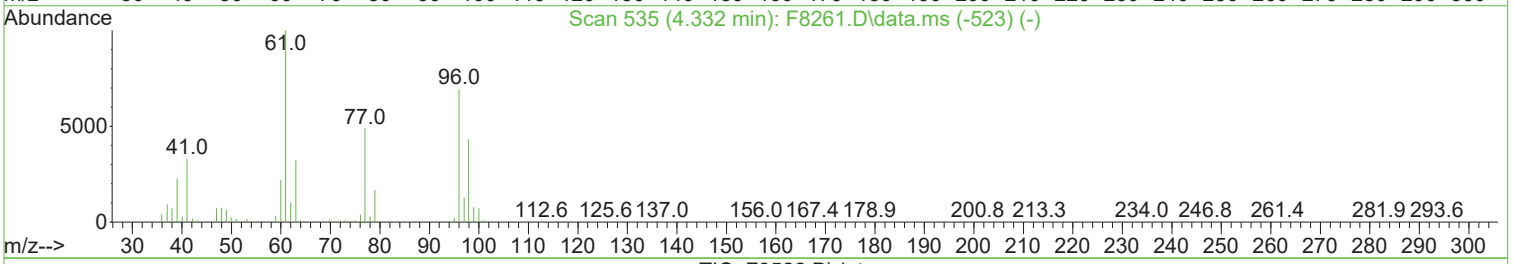
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

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

4.326min (-0.006) 0.44 ug/L m

response 1843

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	144.50	141.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

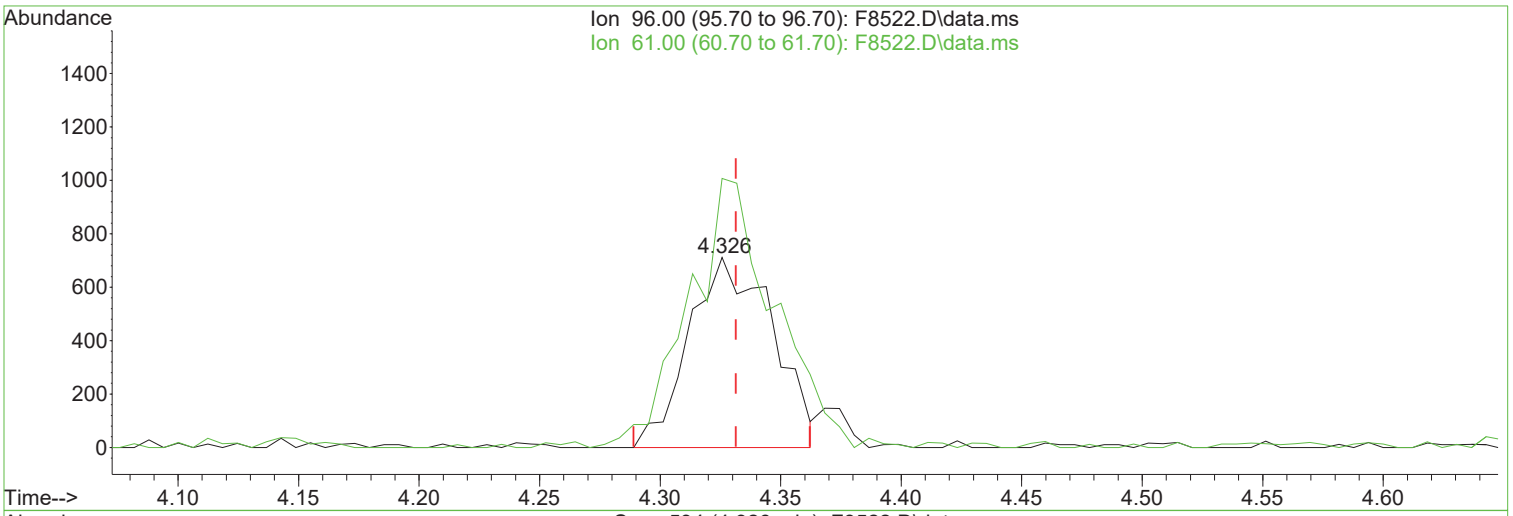
Poor integration.

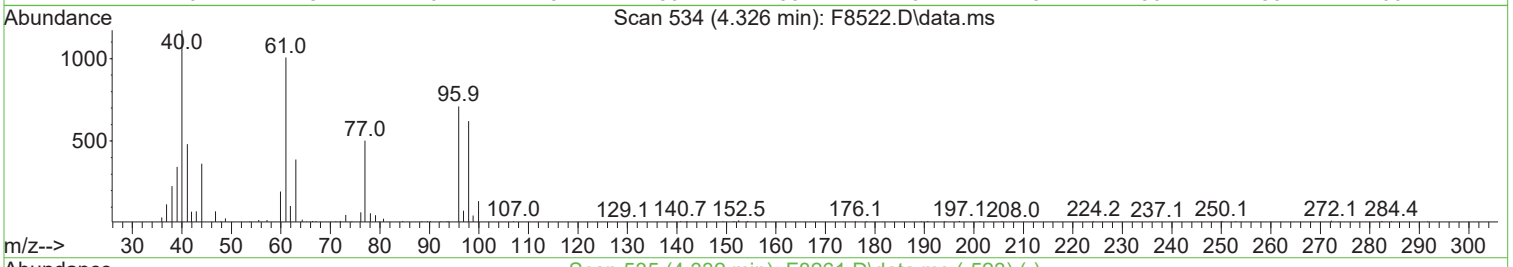
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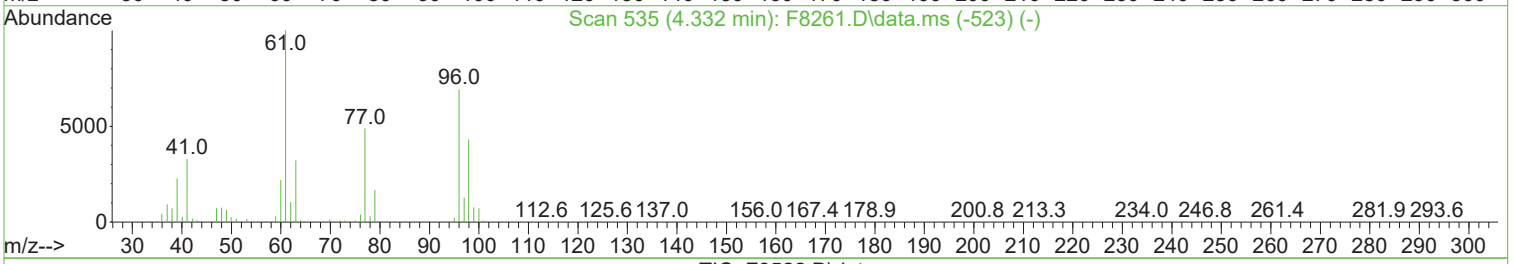
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

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

4.326min (-0.006) 0.41 ug/L

response 1719

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	144.50	141.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

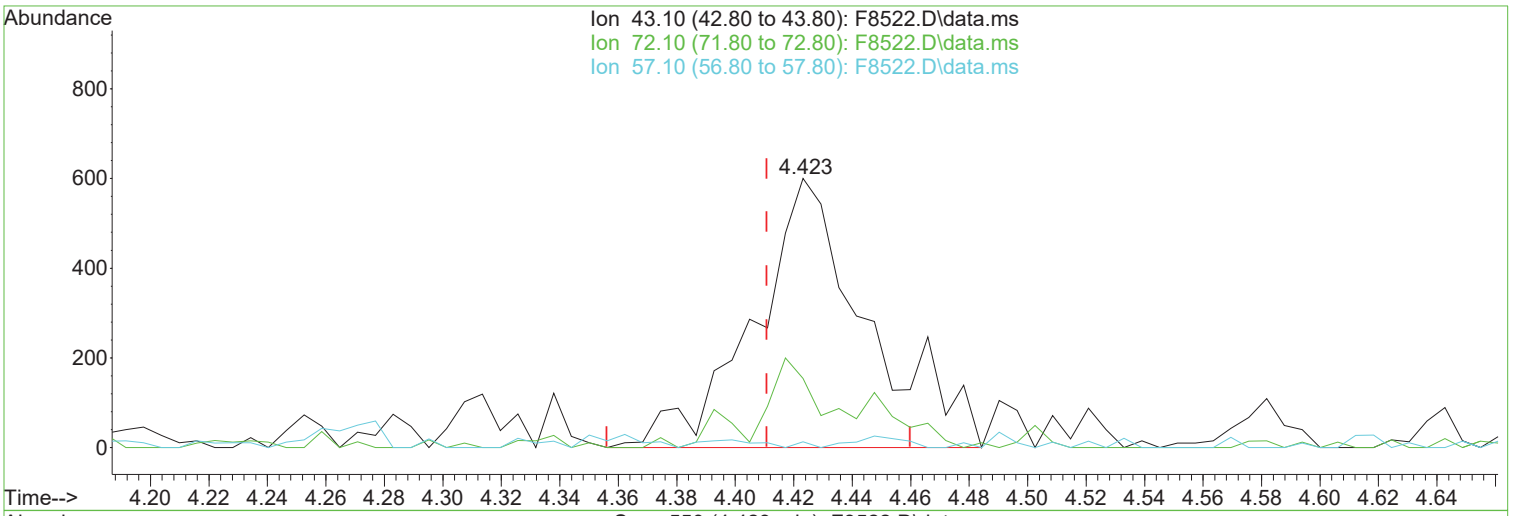
Before

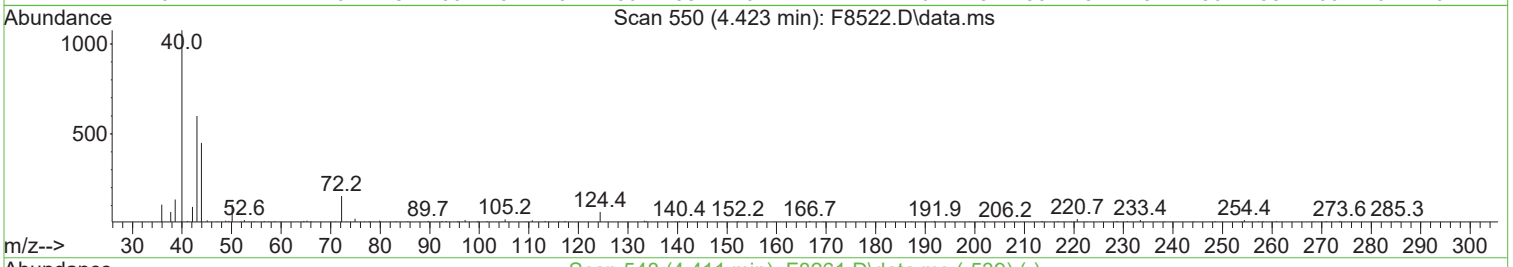
03/06/24

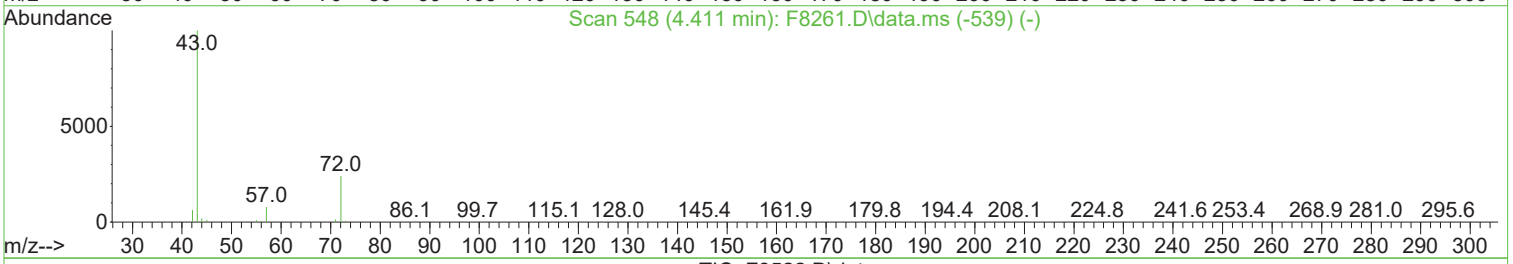
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(35) 2-Butanone (P)

4.423min (+ 0.012) 0.48 ug/L m

response 1611

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	24.50	25.67
57.10	7.80	2.17
0.00	0.00	0.00

Manual Integration:

After

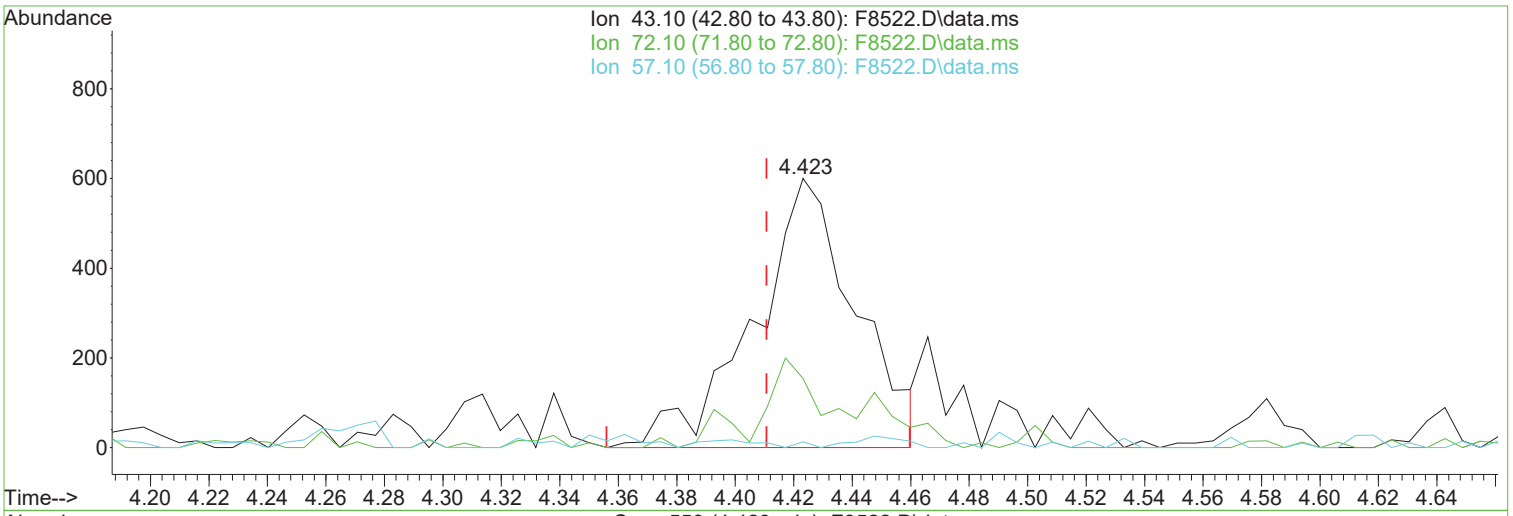
Poor integration.

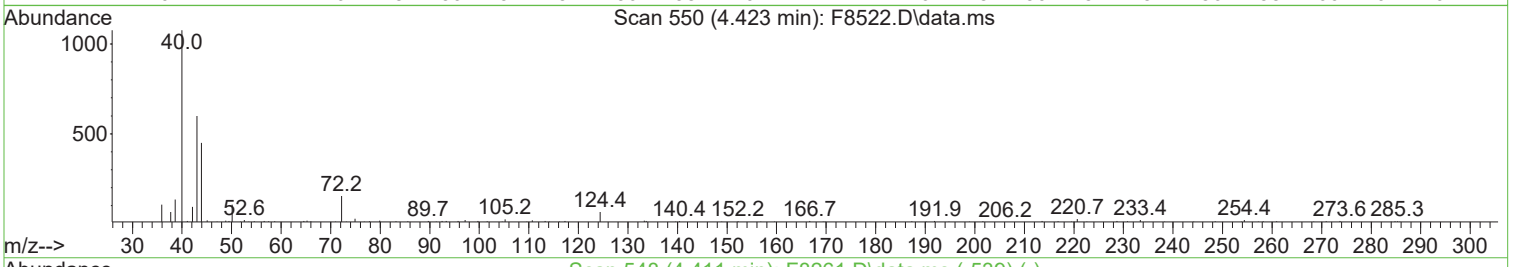
03/06/24

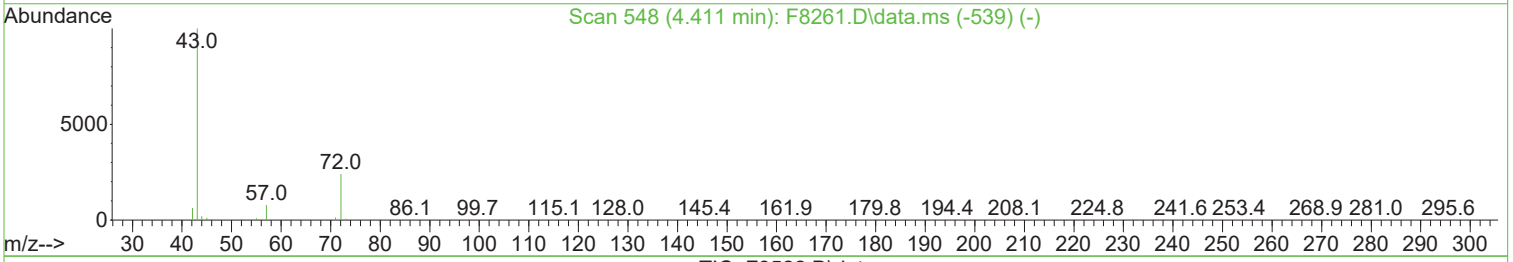
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(35) 2-Butanone (P)

4.423min (+ 0.012) 0.43 ug/L

response 1444

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	24.50	25.67
57.10	7.80	2.17
0.00	0.00	0.00

Manual Integration:

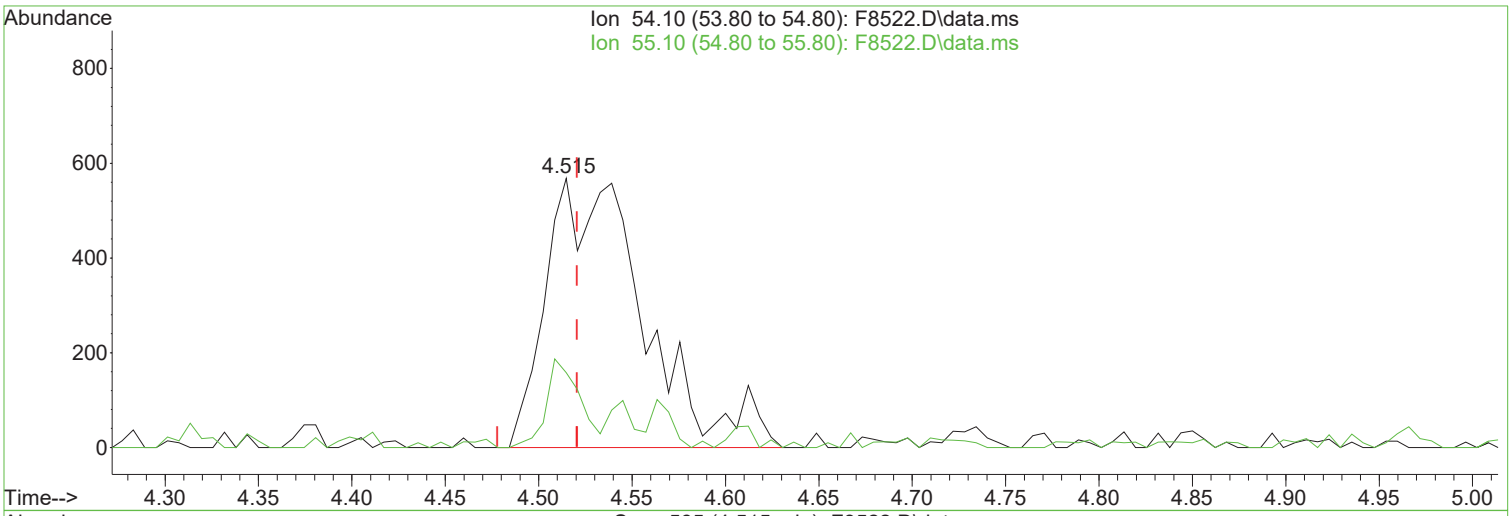
Before

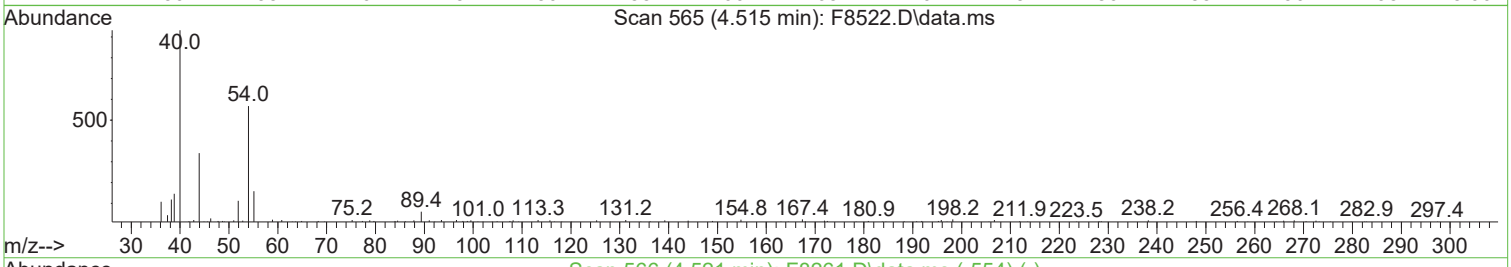
03/06/24

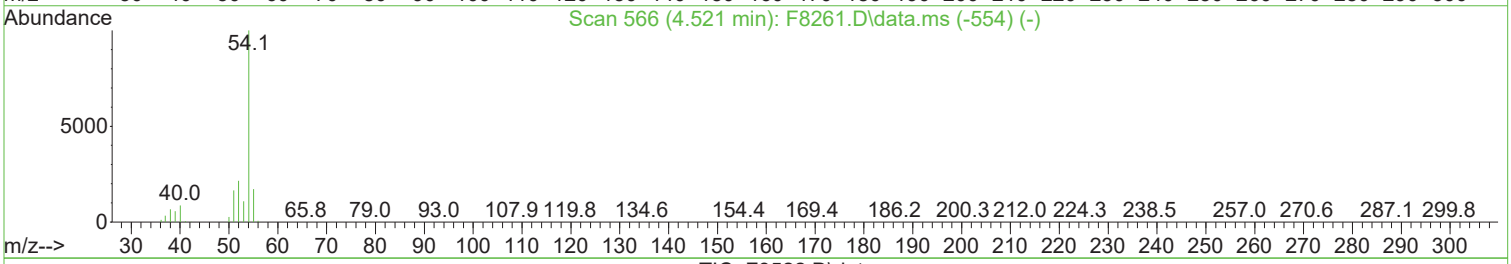
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(36) Propionitrile

4.515min (-0.006) 2.08 ug/L m

response 2071

Ion	Exp%	Act%
54.10	100.00	100.00
55.10	17.50	27.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

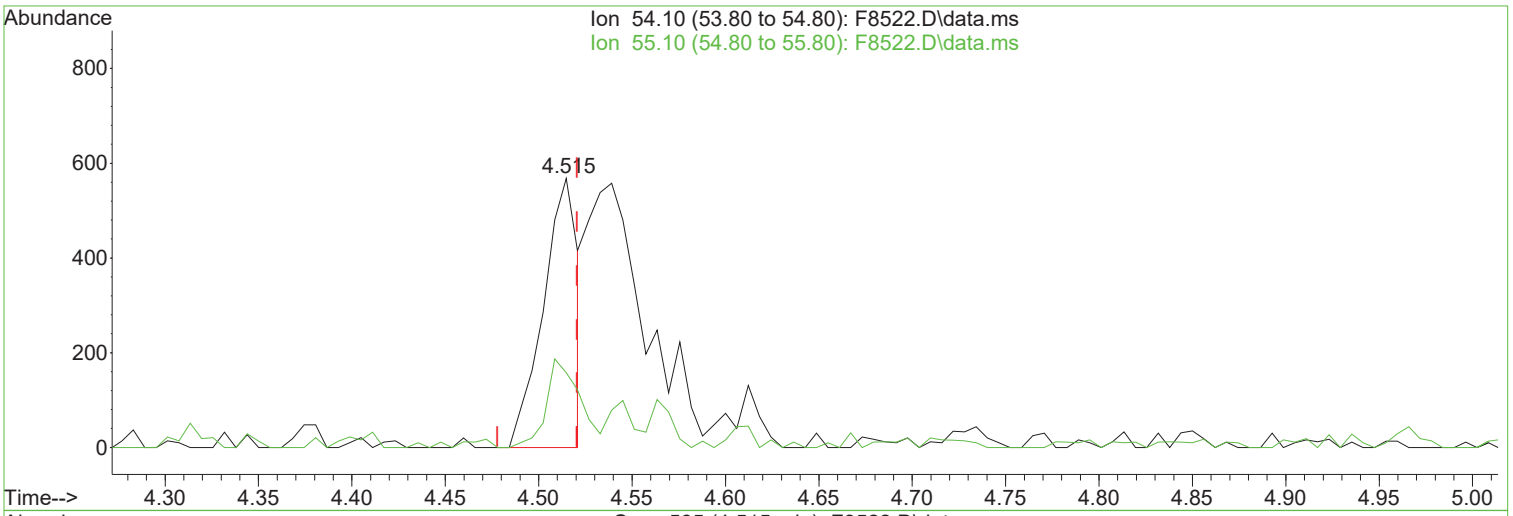
Poor integration.

03/06/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration



TIC: F8522.D\data.ms

(36) Propionitrile

4.515min (-0.006) 0.73 ug/L

response 728

Ion	Exp%	Act%
54.10	100.00	100.00
55.10	17.50	27.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

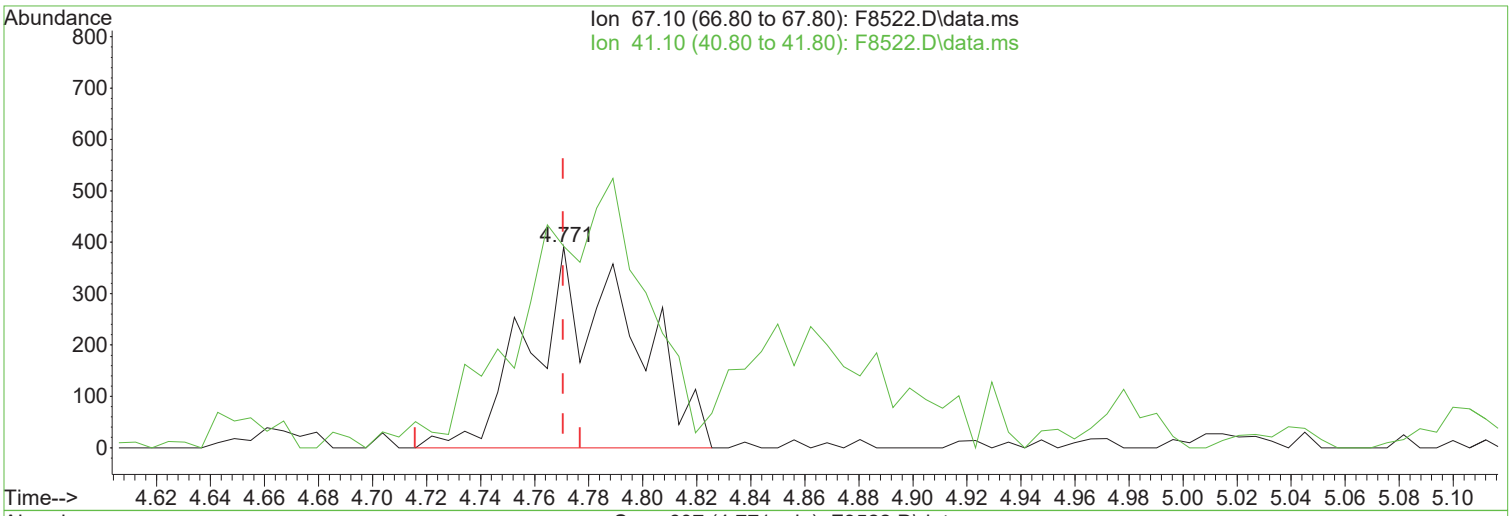
Before

03/06/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration



TIC: F8522.D\data.ms

(38) Methacrylonitrile

4.771min (+ 0.000) 0.42 ug/L m

response 1015

Ion	Exp%	Act%
67.10	100.00	100.00
41.10	150.70	100.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

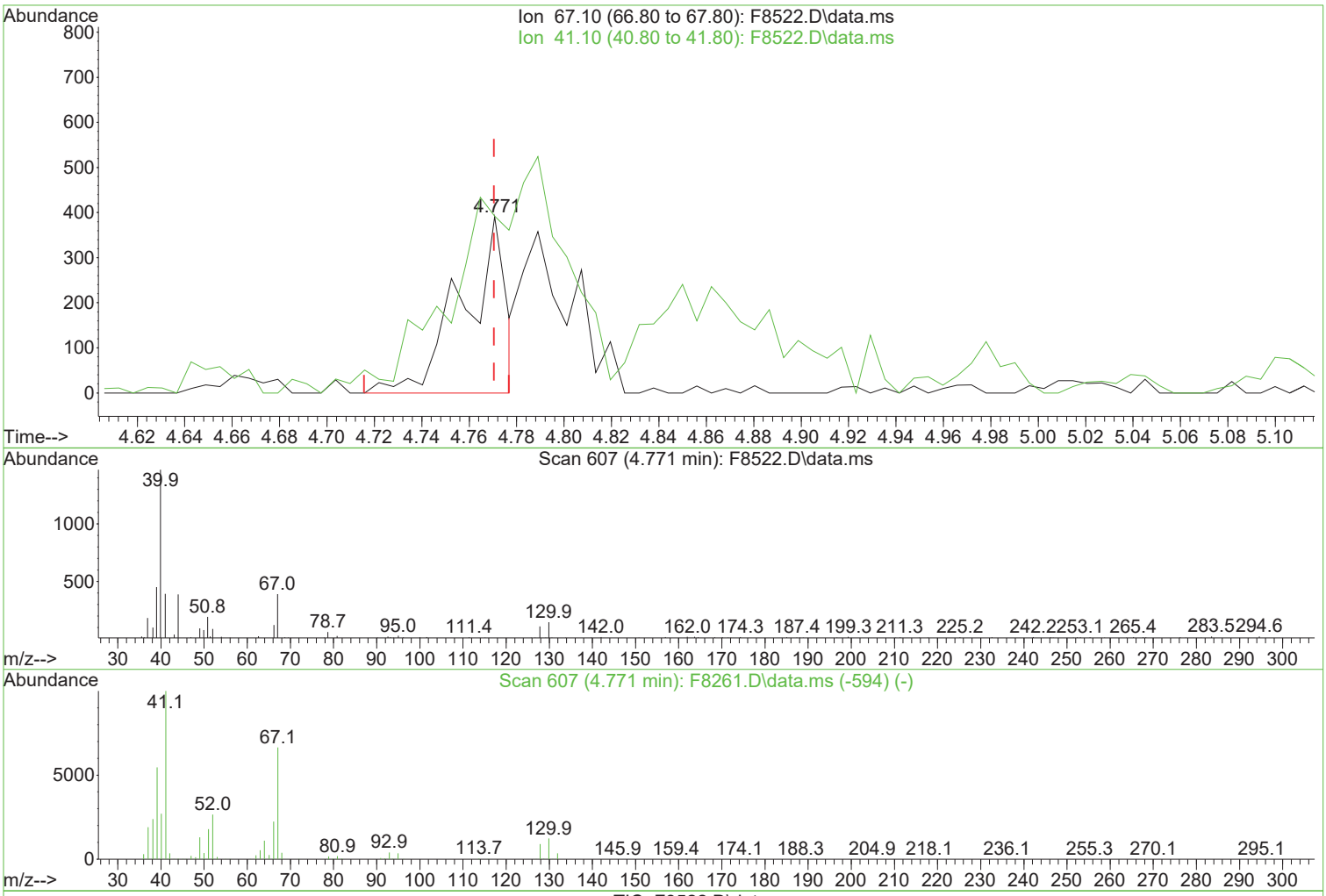
Poor integration.

03/06/24

1st FN 03/06/24
2nd MR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration



TIC: F8522.D\data.ms

(38) Methacrylonitrile

4.771min (+ 0.000) 0.20 ug/L

response 492

Ion	Exp%	Act%
67.10	100.00	100.00
41.10	150.70	97.51#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

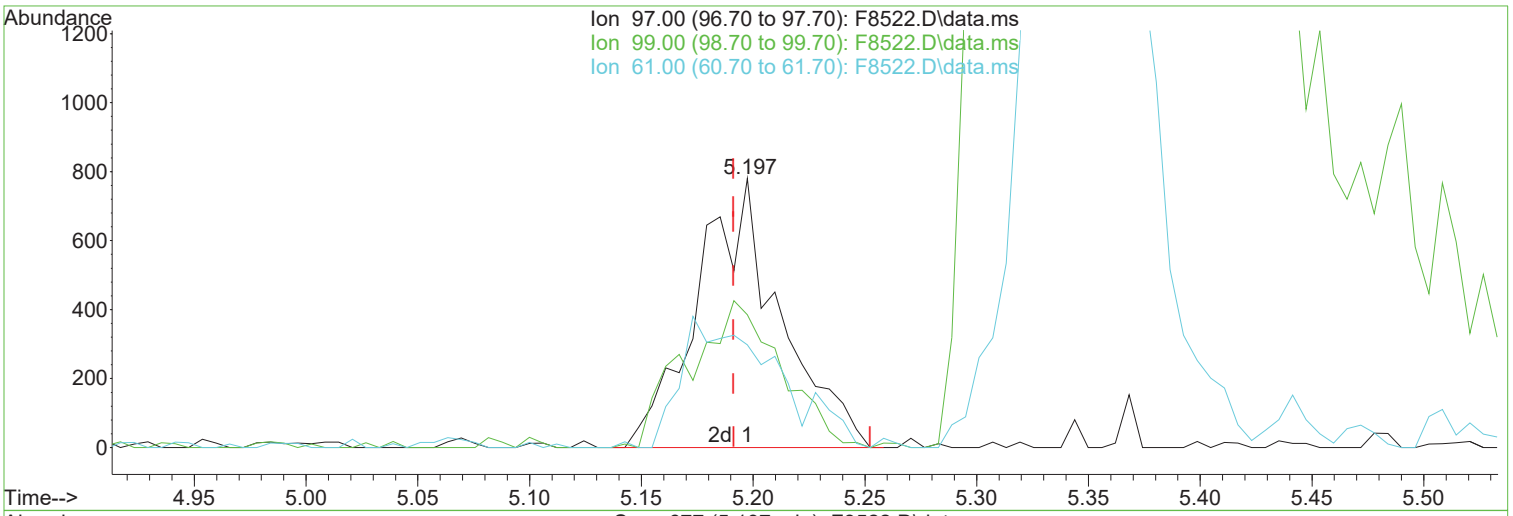
Before

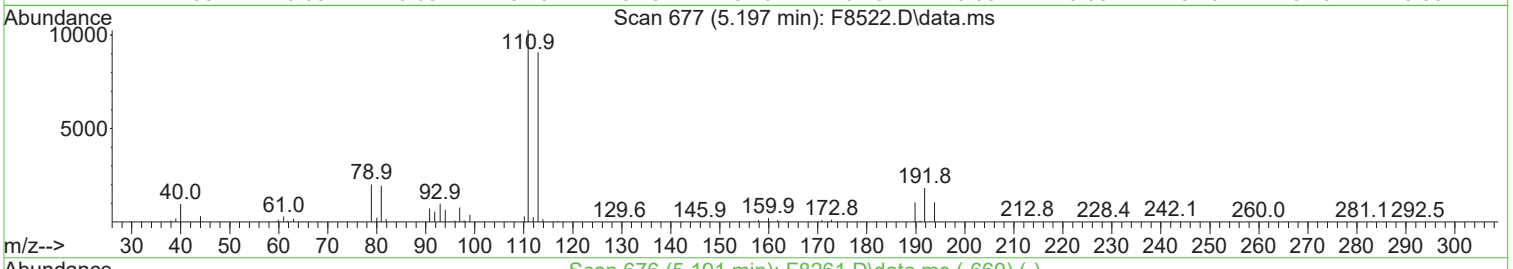
03/06/24

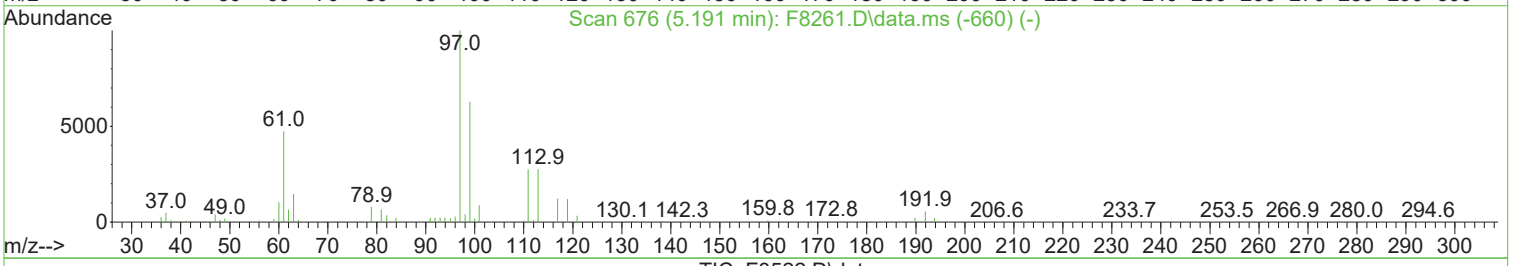
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

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

5.197min (+ 0.006) 0.37 ug/L m

response 2009

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	62.70	49.36
61.00	47.50	38.21
0.00	0.00	0.00

Manual Integration:

After

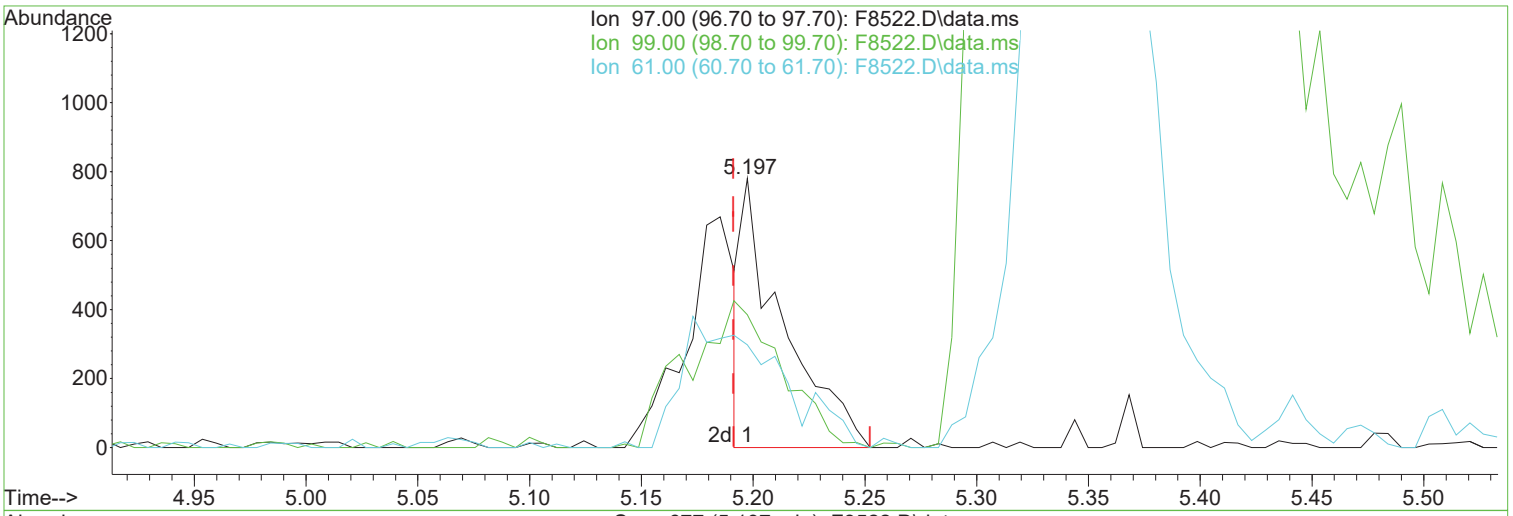
Poor integration.

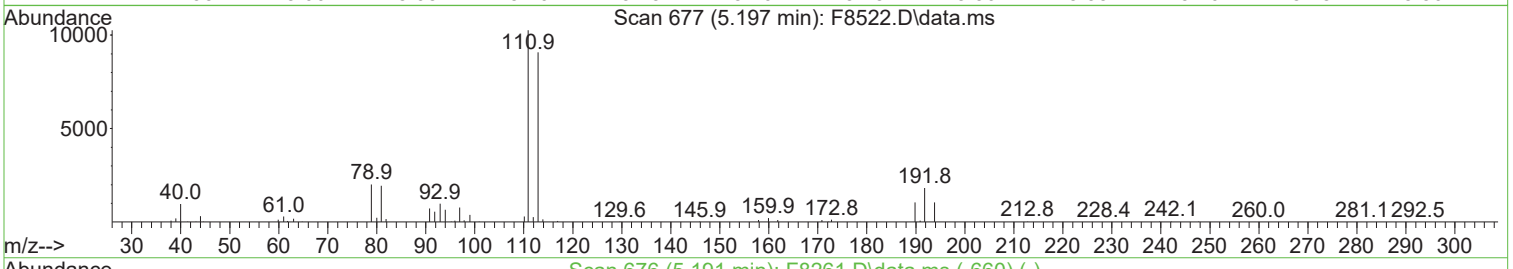
03/06/24

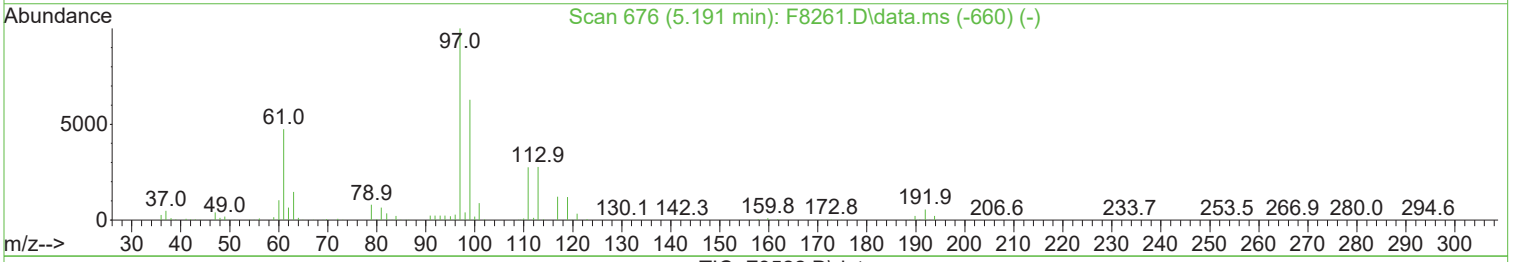
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

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

5.197min (+ 0.006) 0.18 ug/L

response 995

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	62.70	49.36
61.00	47.50	38.21
0.00	0.00	0.00

Manual Integration:

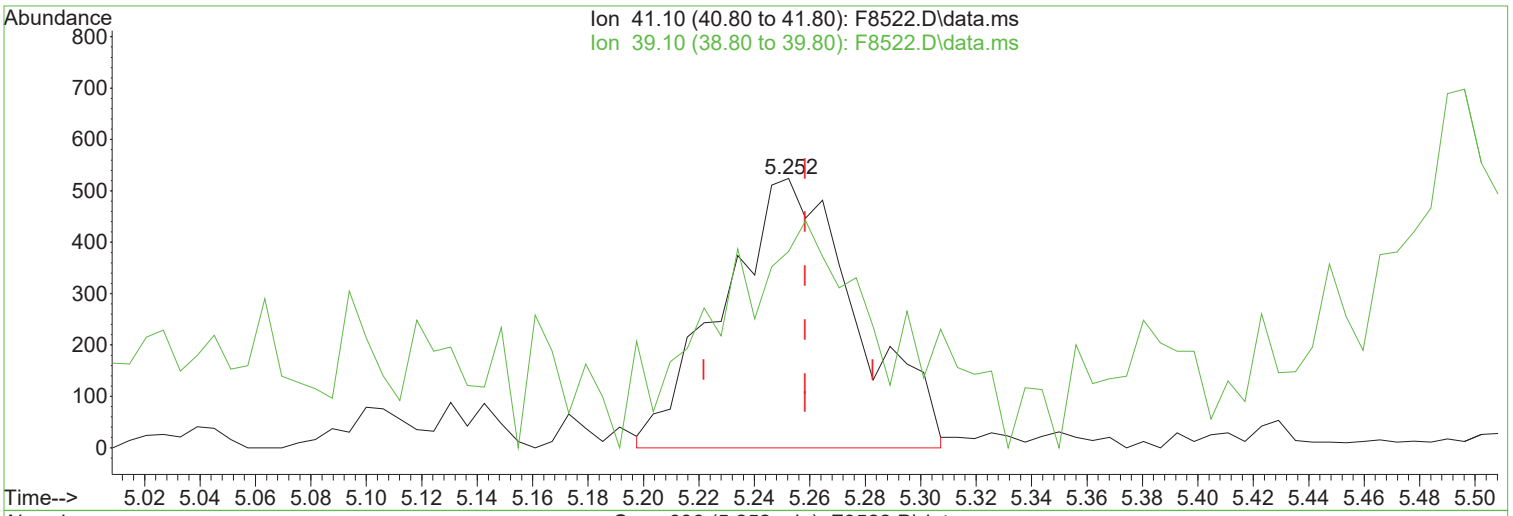
Before

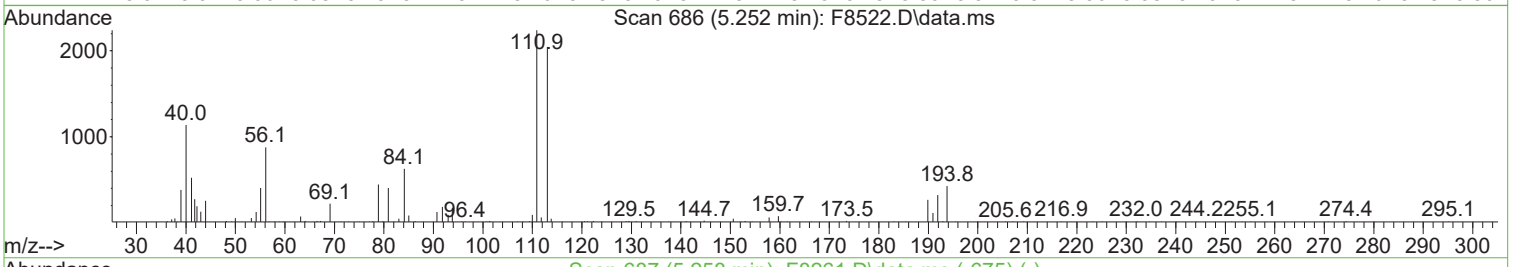
03/06/24

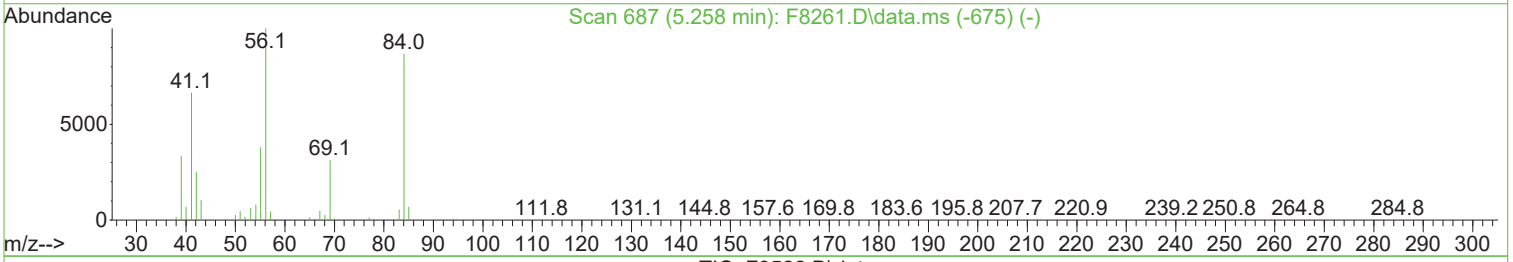
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(44) Cyclohexane (P)

5.252min (-0.006) 0.49 ug/L m

response 1748

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	50.30	72.90#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

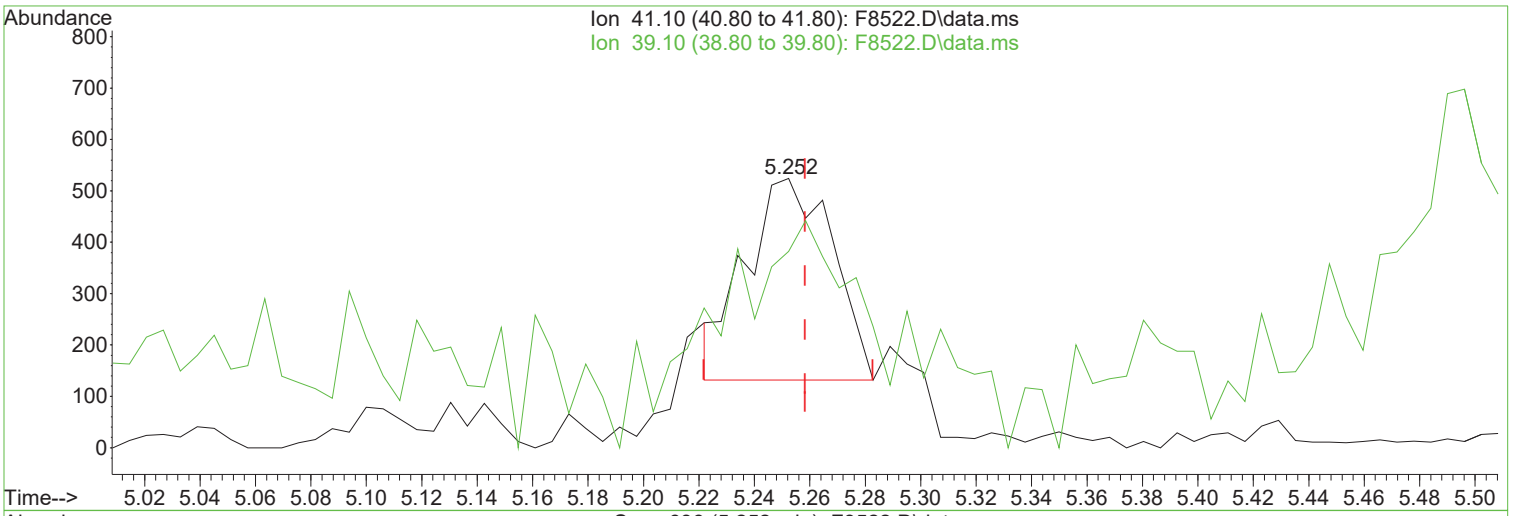
Poor integration.

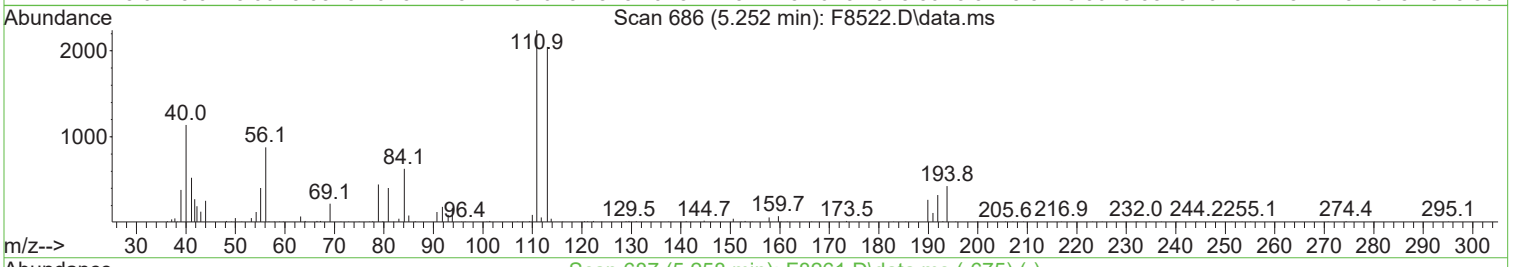
03/06/24

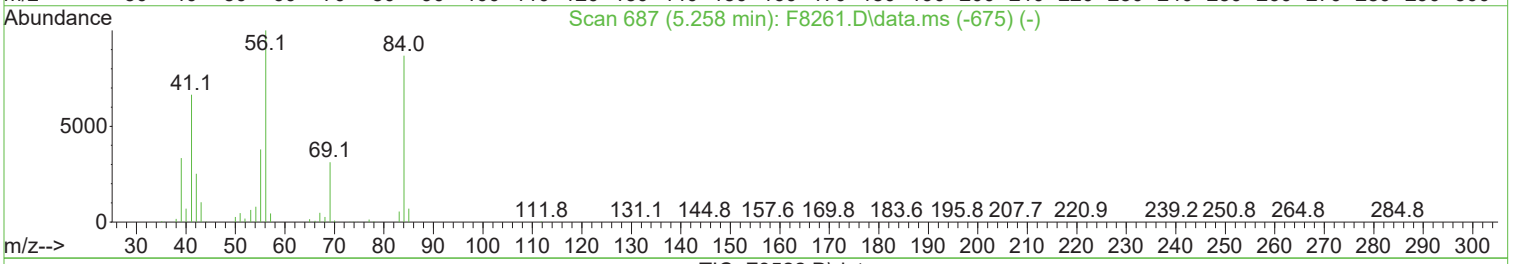
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(44) Cyclohexane (P)

5.252min (-0.006) 0.24 ug/L

response 853

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	50.30	47.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

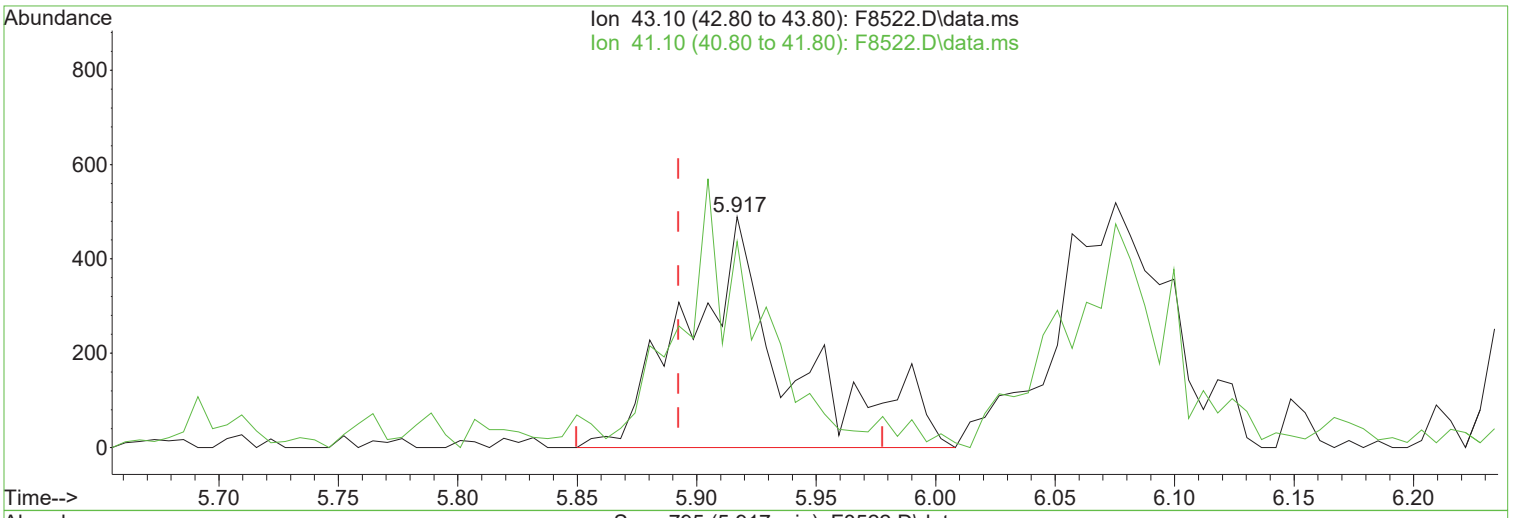
Before

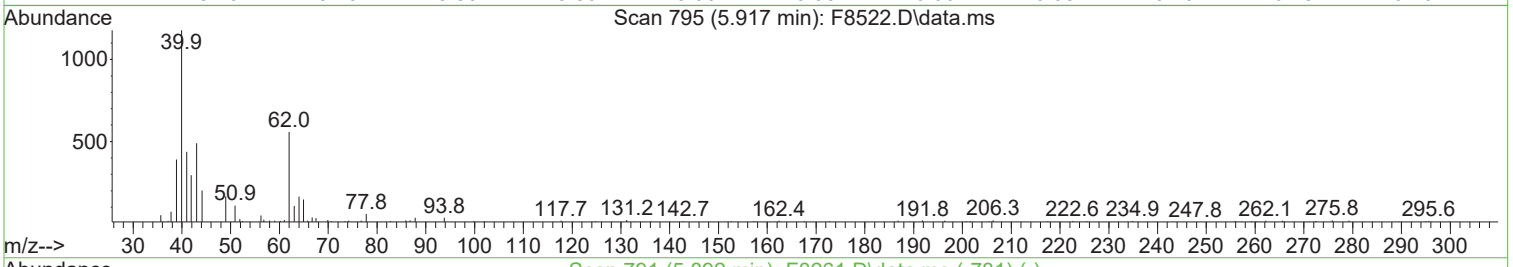
03/06/24

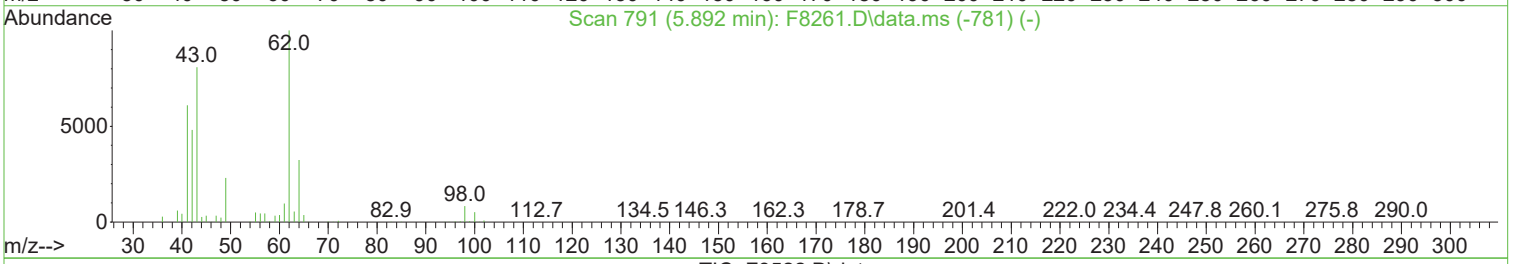
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(51) Iso-Butyl Alcohol

5.917min (+ 0.025) 5.47 ug/L m

response 1482

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	75.50	89.37
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

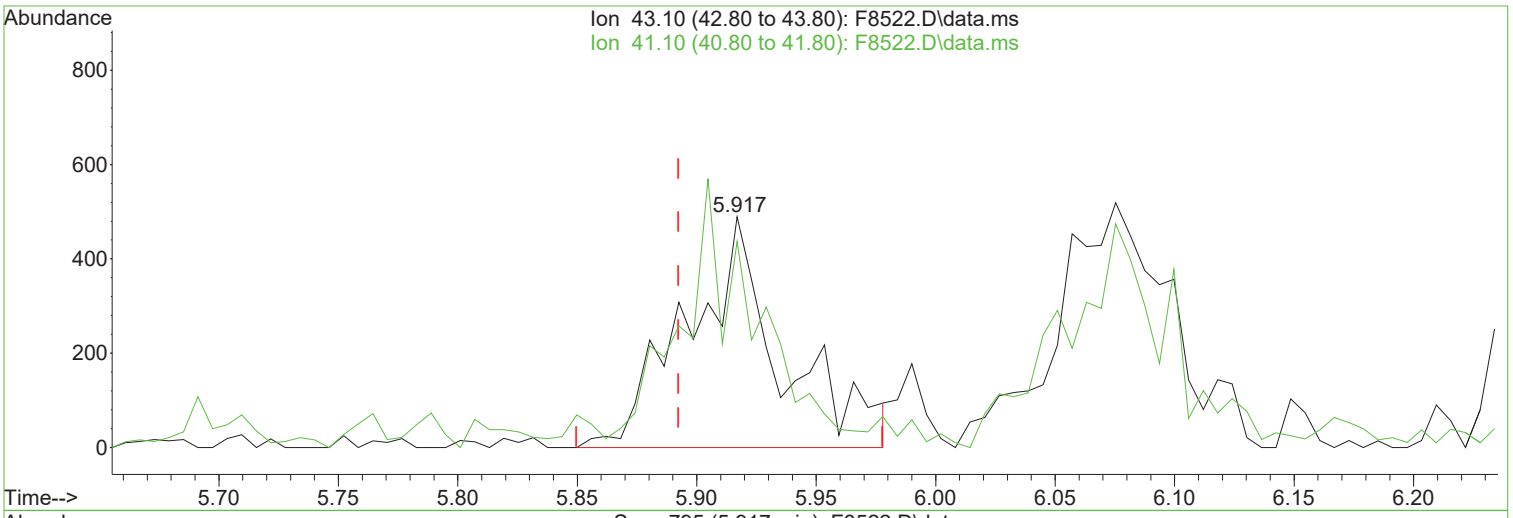
Poor integration.

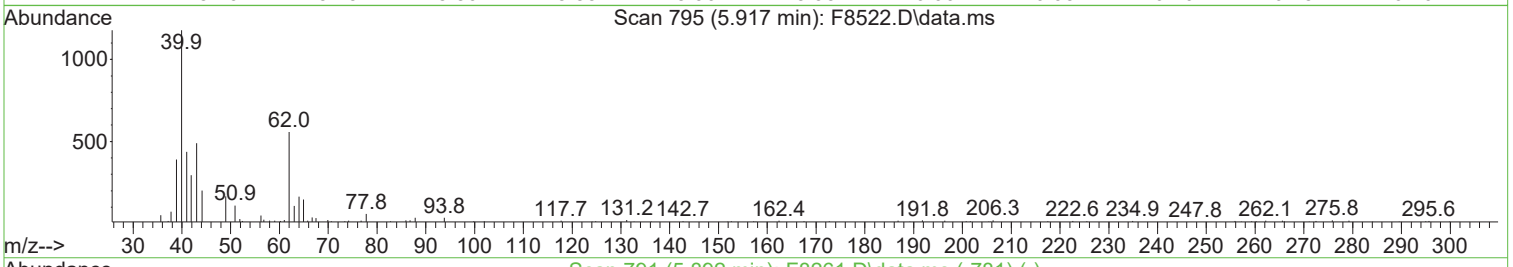
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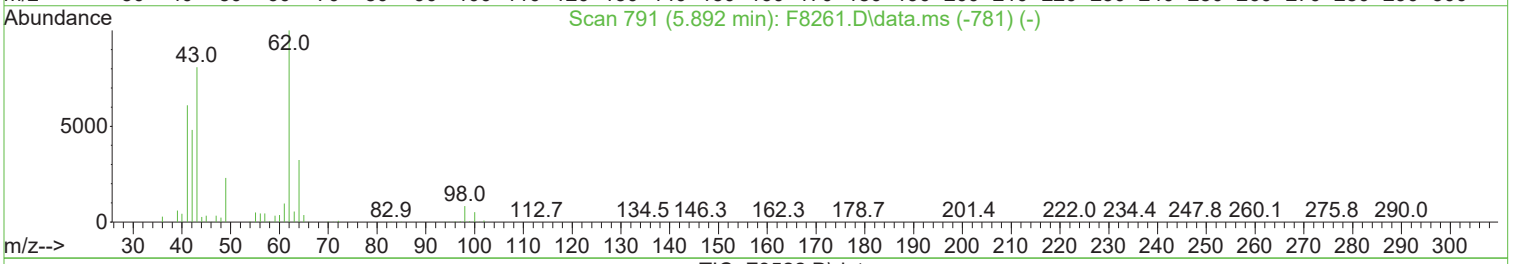
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(51) Iso-Butyl Alcohol

5.917min (+ 0.025) 4.97 ug/L

response 1347

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	75.50	89.37
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

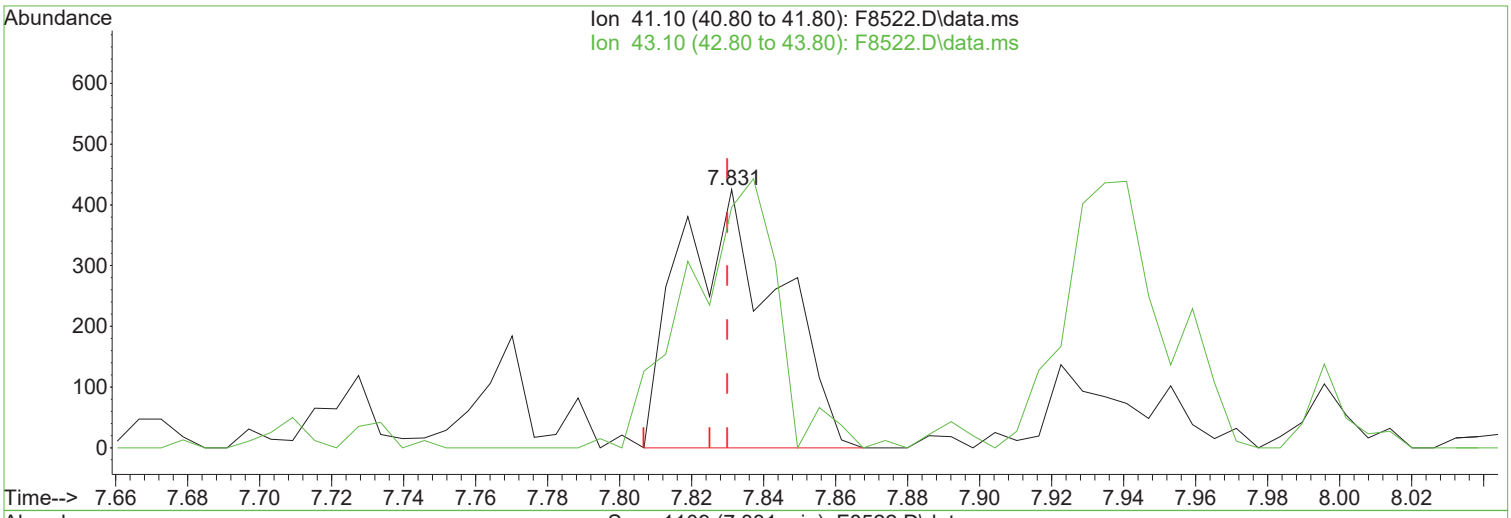
Before

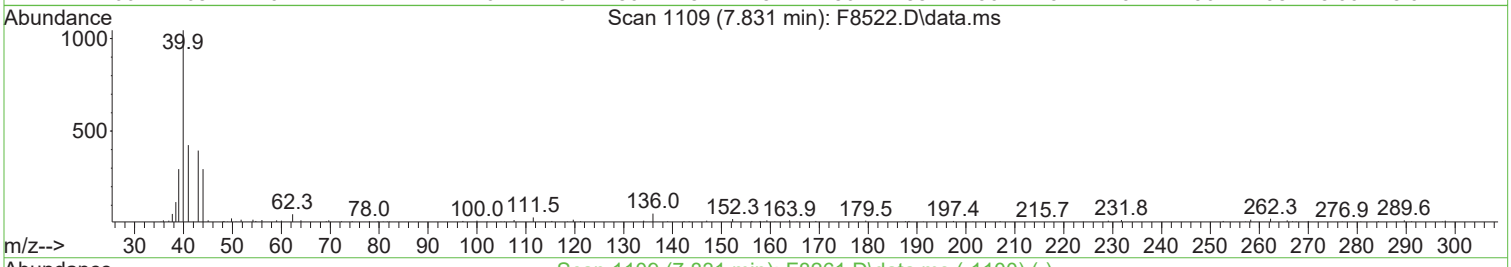
03/06/24

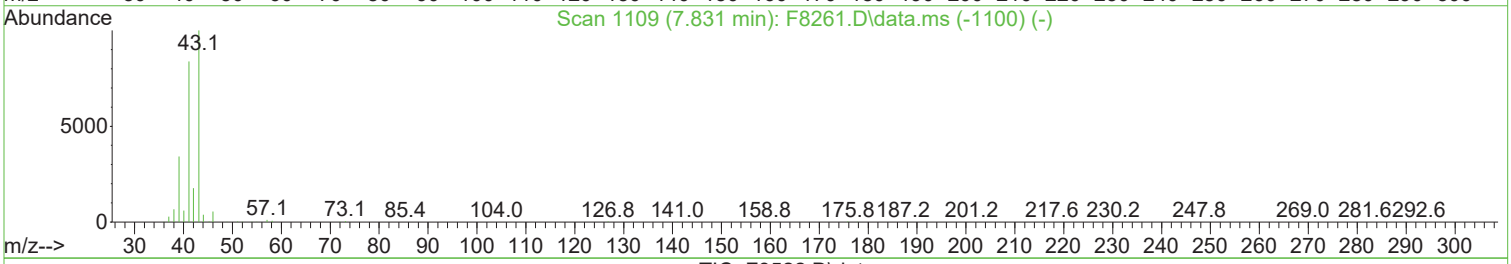
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(61) 2-Nitropropane

7.831min (+ 0.001) 0.64 ug/L m

response 810

Ion	Exp%	Act%
41.10	100.00	100.00
43.10	119.20	93.18#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

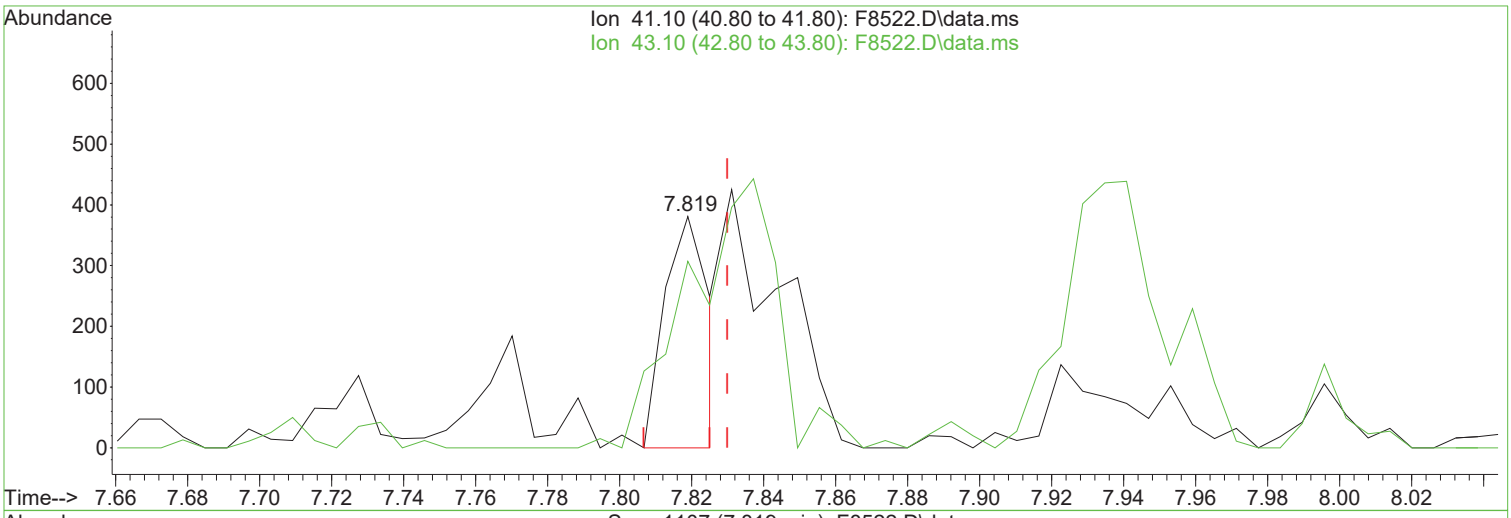
Poor integration.

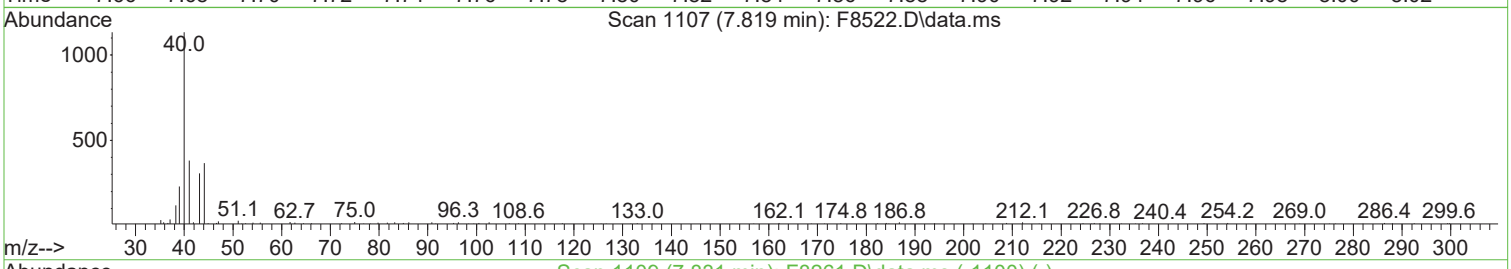
03/06/24

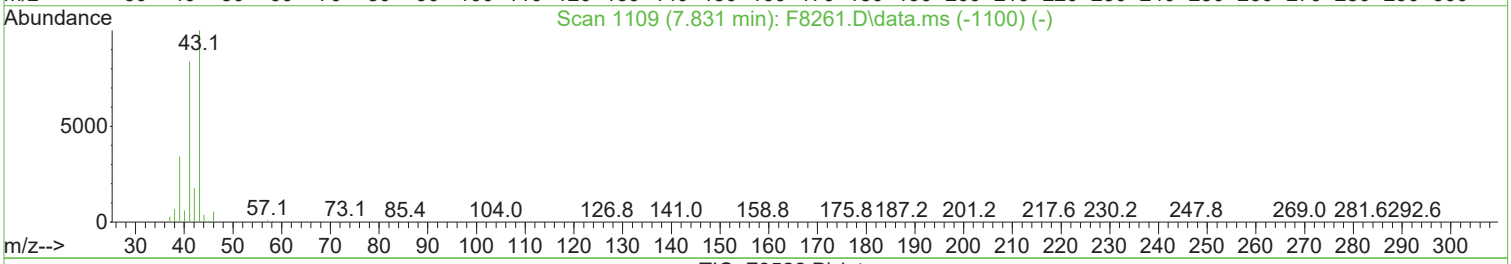
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(61) 2-Nitropropane

7.819min (-0.011) 0.26 ug/L

response 327

Ion	Exp%	Act%
41.10	100.00	100.00
43.10	119.20	80.58#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

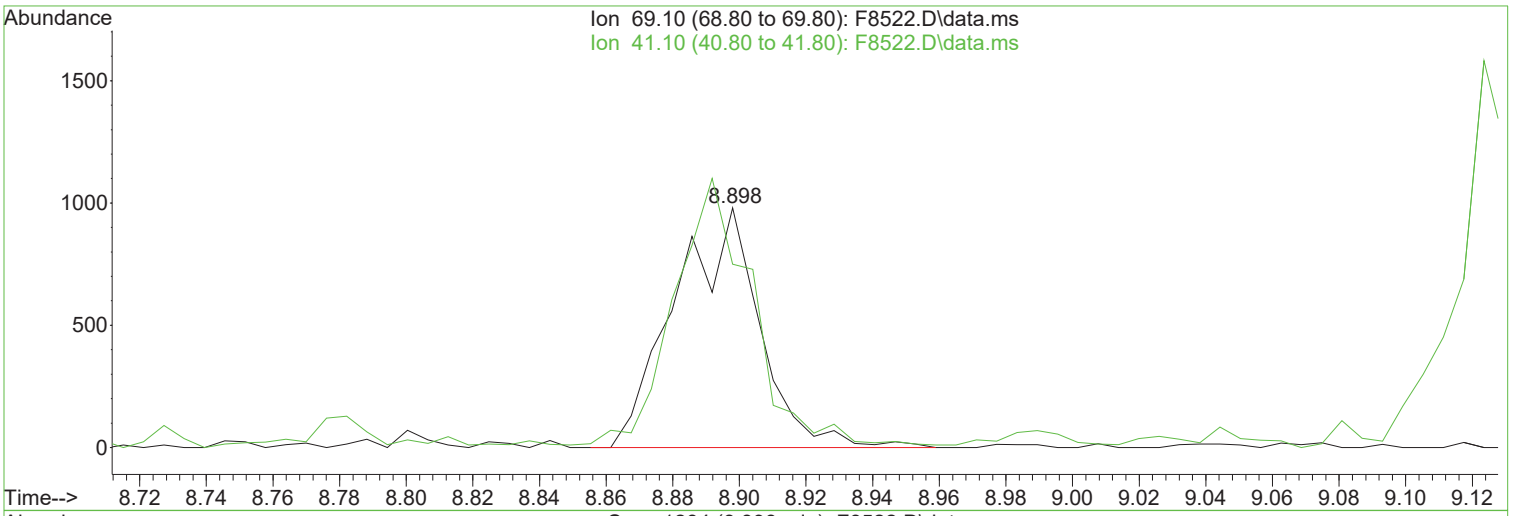
Before

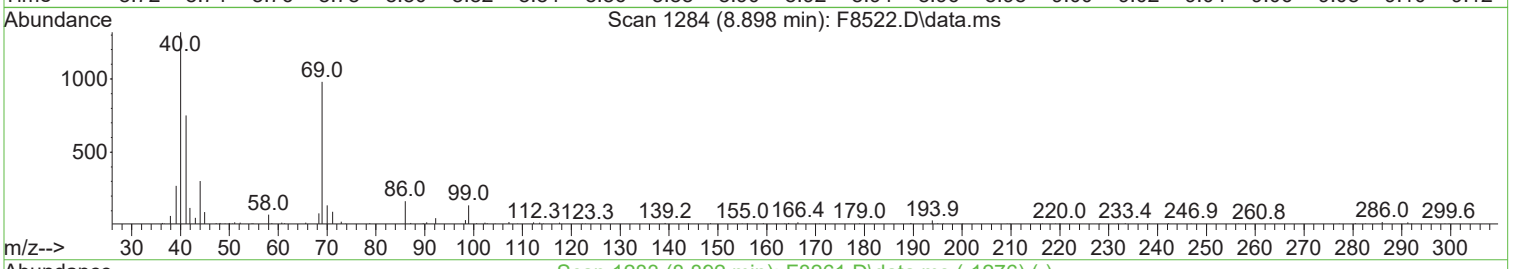
03/06/24

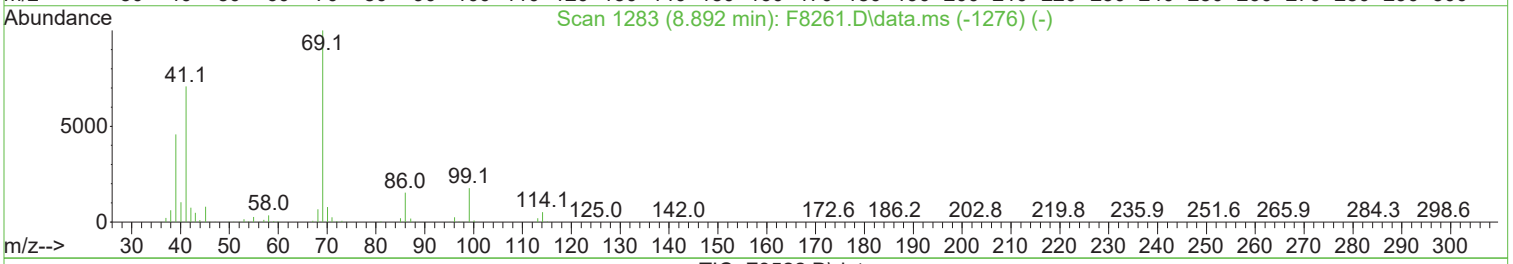
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(68) Ethyl Methacrylate

8.898min (+ 0.006) 0.30 ug/L m

response 1743

Ion	Exp%	Act%
69.10	100.00	100.00
41.10	70.90	76.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

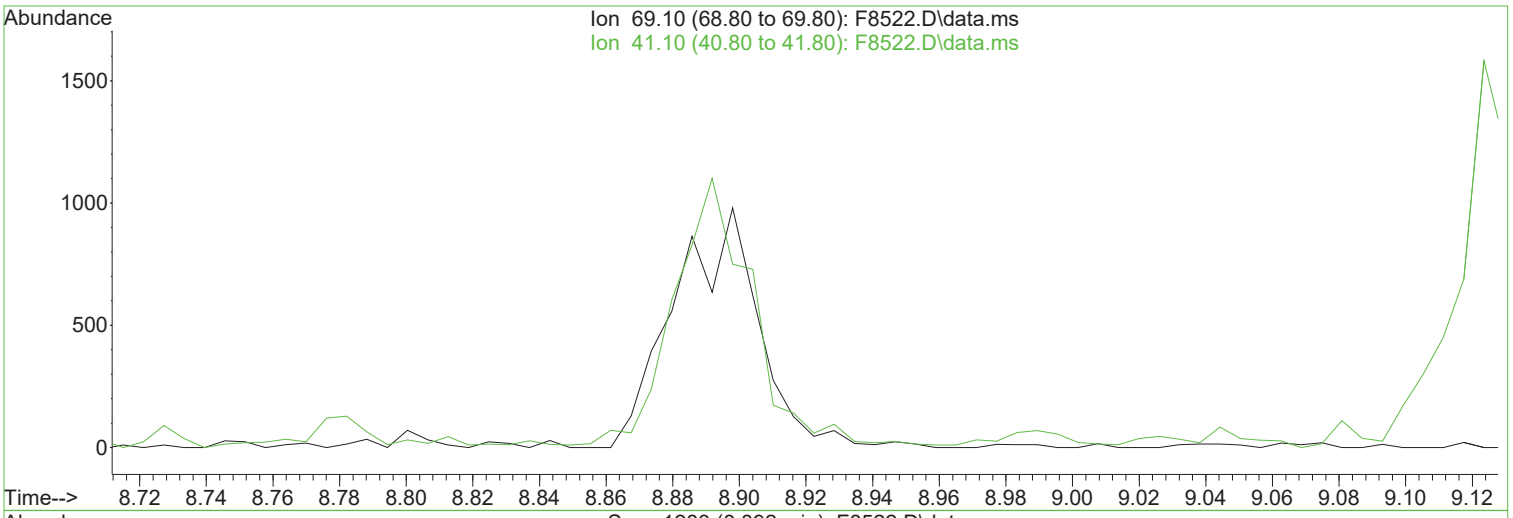
Poor integration.

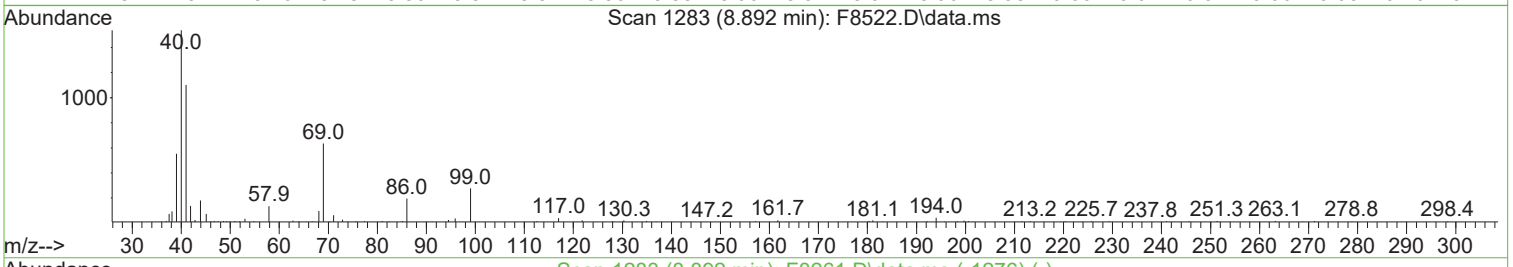
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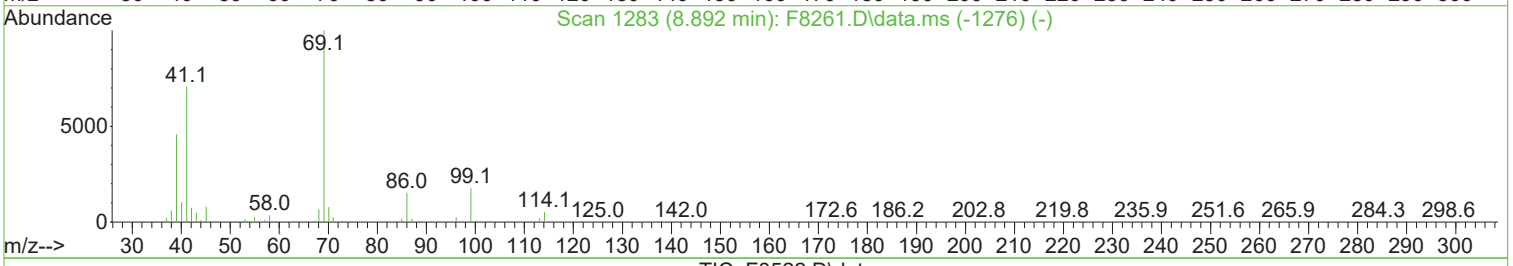
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8522.D\data.ms

(68) Ethyl Methacrylate

8.892min (-8.892) 0.00 ug/L

response 0

Ion	Exp%	Act%
69.10	100.00	0.00
41.10	70.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

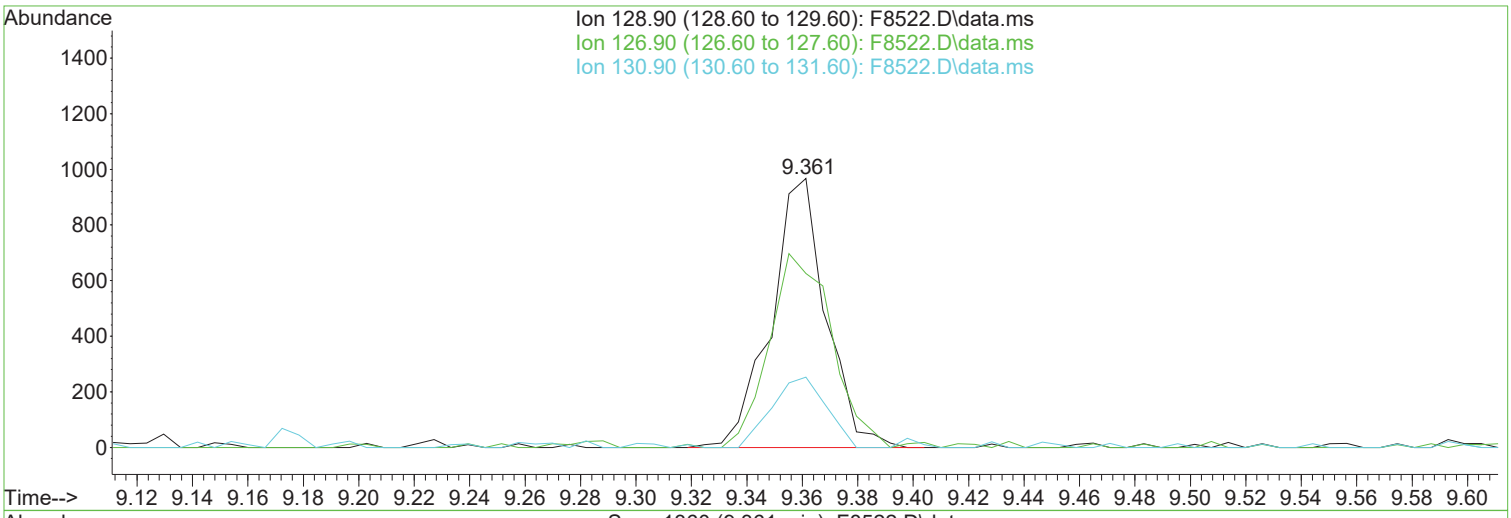
Before

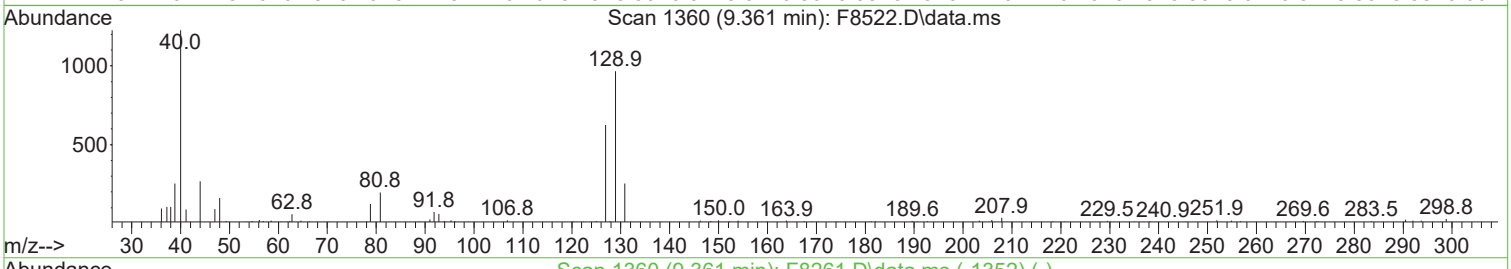
03/06/24

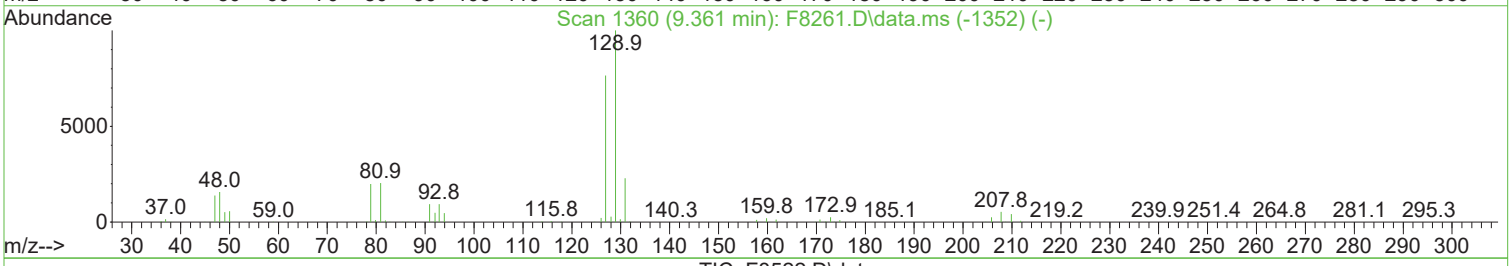
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
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Response via : Initial Calibration







TIC: F8522.D\data.ms

(75) Dibromochloromethane (P)

9.361min (+ 0.000) 0.36 ug/L m

response 1329

Ion	Exp%	Act%
128.90	100.00	100.00
126.90	76.50	64.74
130.90	22.80	26.16
0.00	0.00	0.00

Manual Integration:

After

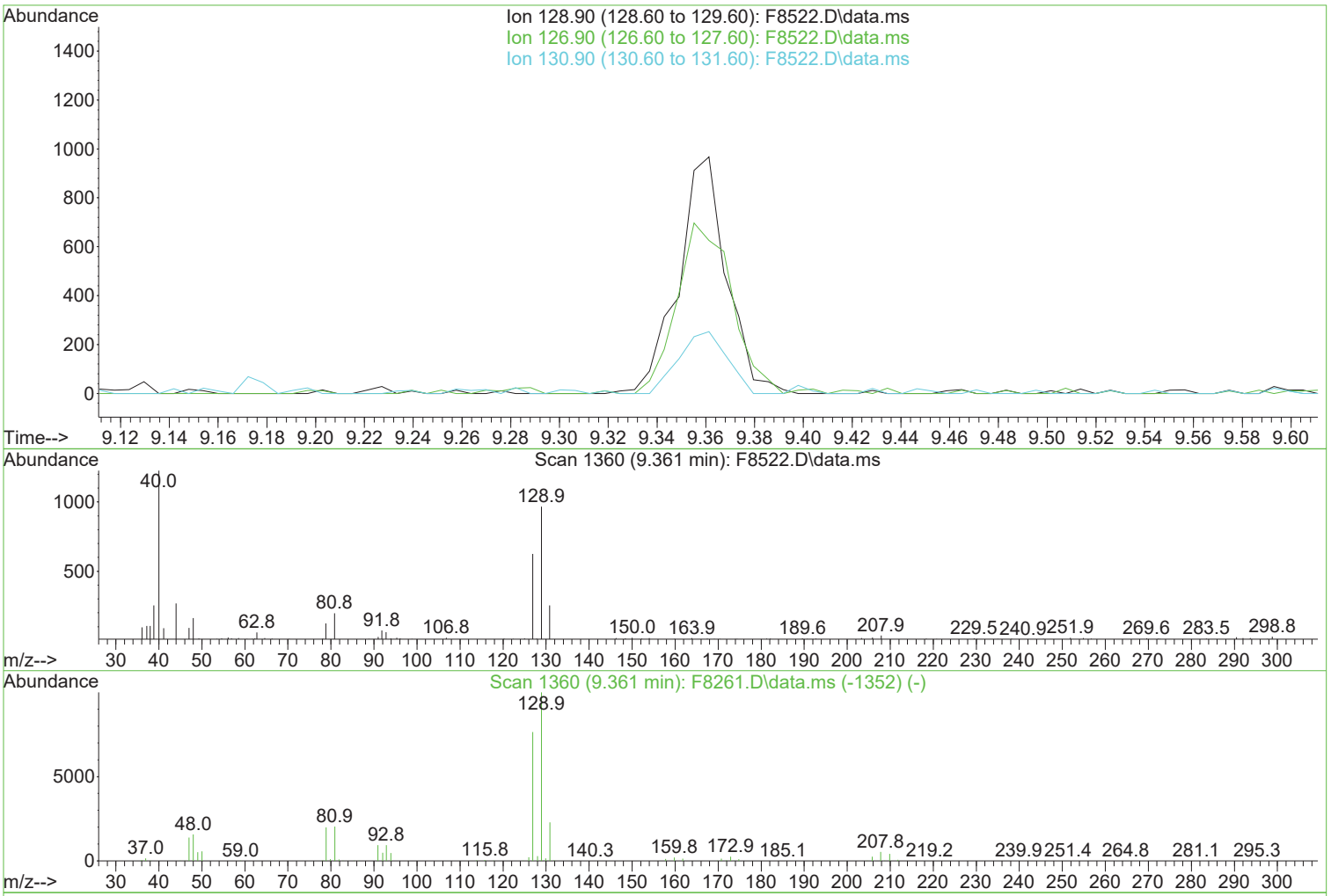
Peak not found.

03/06/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration



TIC: F8522.D\data.ms

(75) Dibromochloromethane (P)

9.361min (-9.361) 0.00 ug/L

response 0

Ion	Exp%	Act%
128.90	100.00	0.00
126.90	76.50	0.00#
130.90	22.80	0.00#
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

1st FNJ 03/06/24
2nd WR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.350	168	412429	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.478	114	626393	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.934	117	581738	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	304963	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.216	113	38847	9.67	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 19.34%#				
48) surr1,1,2-dichloroetha...	5.764	65	53533	10.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.32%#				
65) SURR3,Toluene-d8	8.368	98	157242	9.63	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 19.26%#				
70) SURR2,BFB	11.044	95	53795	8.67	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 17.34%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.143	51	1748	0.510	ug/L		95
3) Dichlorodifluoromethane	1.119	85	1854m	0.430	ug/L		
4) Chloromethane	1.259	50	2881	0.613	ug/L		96
5) Vinyl Chloride	1.326	62	2421	0.484	ug/L		98
6) Bromomethane	1.558	94	1995	0.373	ug/L	#	78
7) Chloroethane	1.631	64	1923	0.426	ug/L		95
8) Freon 21	1.783	67	3018	0.363	ug/L		94
9) Trichlorofluoromethane	1.820	101	2488	0.378	ug/L		85
10) Diethyl Ether	2.052	59	1775	0.459	ug/L		83
11) Freon 123a	2.064	67	2036	0.447	ug/L		90
12) Freon 123	2.113	83	1920	0.404	ug/L		84
13) Acrolein	2.168	56	2477	2.725	ug/L		83
14) 1,1-Diclethene	2.241	96	1482	0.502	ug/L		92
15) Freon 113	2.247	101	1462	0.494	ug/L	#	74
16) Acetone	2.308	43	1818	0.743	ug/L		86
17) 2-Propanol	2.436	45	2654	6.748	ug/L		91
18) Iodomethane	2.375	142	1665	0.375	ug/L		78
19) Carbon Disulfide	2.430	76	3774	0.415	ug/L		98
20) Acetonitrile	2.576	41	2238m	2.142	ug/L		
21) Allyl Chloride	2.570	76	857	0.475	ug/L	#	59
22) Methyl Acetate	2.607	43	2974	0.493	ug/L		88
23) Methylene Chloride	2.698	84	2319	0.578	ug/L		86
24) TBA	2.844	59	4100	5.990	ug/L		92
25) Acrylonitrile	2.978	53	4207	1.866	ug/L		85
26) Methyl-t-Butyl Ether	2.997	73	5061	0.392	ug/L		92
27) trans-1,2-Dichloroethene	2.984	96	1610	0.455	ug/L	#	87
28) 1,1-Diclethane	3.490	63	3149	0.469	ug/L		91
30) DIPE	3.600	45	4497	0.367	ug/L	#	75
31) 2-Chloro-1,3-Butadiene	3.600	53	2161	0.344	ug/L		80
32) ETBE	4.118	59	4483	0.387	ug/L		93
33) 2,2-Dichloropropane	4.320	77	1603m	0.339	ug/L		
34) cis-1,2-Dichloroethene	4.326	96	1843m	0.439	ug/L		
35) 2-Butanone	4.423	43	1611m	0.484	ug/L		
36) Propionitrile	4.515	54	2071m	2.079	ug/L		
37) Bromochloromethane	4.728	130	1204	0.434	ug/L		90
38) Methacrylonitrile	4.771	67	1015m	0.417	ug/L		
39) Tetrahydrofuran	4.850	42	1004	0.455	ug/L		71
40) Chloroform	4.911	83	2821	0.403	ug/L	#	76
41) 1,1,1-Trichloroethane	5.197	97	2009m	0.366	ug/L		

1st FNJ 03/06/24
2nd WR 03/07/24

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Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
42) TAME	6.075	73	3858	0.339 ug/L		92
44) Cyclohexane	5.252	41	1748m	0.485 ug/L		
46) Carbontetrachloride	5.472	117	2532	0.656 ug/L	#	61
47) 1,1-Dichloropropene	5.484	75	2671	0.586 ug/L		76
49) Benzene	5.831	78	6164	0.440 ug/L		92
50) 1,2-Dichloroethane	5.892	62	2678	0.436 ug/L		95
51) Iso-Butyl Alcohol	5.917	43	1482m	5.471 ug/L		
52) n-Heptane	6.295	43	2378	0.565 ug/L	#	79
53) 1-Butanol	6.898	56	1200	7.711 ug/L	#	40
54) Trichloroethene	6.813	130	1869	0.498 ug/L	#	87
55) Methylcyclohexane	7.039	55	1900	0.429 ug/L		92
56) 1,2-Diclpropane	7.112	63	1674	0.435 ug/L		86
57) Dibromomethane	7.264	93	1307	0.456 ug/L		83
58) 1,4-Dioxane	7.356	88	733	7.893 ug/L		78
59) Methyl Methacrylate	7.362	69	1082	0.311 ug/L	#	76
60) Bromodichloromethane	7.502	83	2095	0.426 ug/L		84
61) 2-Nitropropane	7.831	41	810m	0.636 ug/L		
62) 2-Chloroethylvinyl Ether	7.941	63	882	0.340 ug/L		98
63) cis-1,3-Dichloropropene	8.069	75	1891	0.341 ug/L		86
64) 4-Methyl-2-pentanone	8.313	43	1835	0.292 ug/L		80
66) Toluene	8.447	91	6756	0.421 ug/L		87
67) trans-1,3-Dichloropropene	8.752	75	1327	0.262 ug/L	#	75
68) Ethyl Methacrylate	8.898	69	1743m	0.298 ug/L		
69) 1,1,2-Trichloroethane	8.947	97	1467	0.374 ug/L		86
72) Tetrachloroethene	9.056	164	1359	0.491 ug/L		90
73) 2-Hexanone	9.264	43	1218	0.270 ug/L	#	68
74) 1,3-Dichloropropane	9.130	76	2998	0.452 ug/L		90
75) Dibromochloromethane	9.361	129	1329m	0.358 ug/L		
76) N-Butyl Acetate	9.416	43	2343	0.286 ug/L		76
77) 1,2-Dibromoethane	9.465	107	1571	0.395 ug/L		94
78) 3-Chlorobenzotrifluoride	9.983	180	2316	0.436 ug/L		91
79) Chlorobenzene	9.959	112	4791	0.452 ug/L		89
80) 4-Chlorobenzotrifluoride	10.038	180	2201	0.484 ug/L		87
81) 1,1,1,2-Tetrachloroethane	10.056	131	1276	0.398 ug/L		87
82) Ethylbenzene	10.081	106	2133	0.403 ug/L		92
83) (m+p)Xylene	10.203	106	5500	0.827 ug/L		94
84) o-Xylene	10.568	106	2976	0.442 ug/L	#	87
85) Styrene	10.587	104	4107	0.364 ug/L		94
86) Bromoform	10.751	173	913	0.356 ug/L		84
87) 2-Chlorobenzotrifluoride	10.831	180	2500	0.476 ug/L		85
88) Isopropylbenzene	10.910	105	6808	0.404 ug/L		98
89) Cyclohexanone	11.001	55	4653	3.698 ug/L		97
90) trans-1,4-Dichloro-2-B...	11.239	53	392	0.215 ug/L	#	48
92) 1,1,2,2-Tetrachloroethane	11.202	83	2593	0.457 ug/L		86
93) Bromobenzene	11.166	156	1996	0.453 ug/L	#	89
94) 1,2,3-Trichloropropane	11.227	110	868	0.455 ug/L	#	78
95) n-Propylbenzene	11.276	91	7860	0.403 ug/L		98
96) 2-Chlorotoluene	11.343	91	5128	0.437 ug/L		91
97) 3-Chlorotoluene	11.397	91	5209	0.435 ug/L		99
98) 4-Chlorotoluene	11.440	91	5859	0.433 ug/L		96
99) 1,3,5-Trimethylbenzene	11.434	105	5556	0.400 ug/L		93
100) tert-Butylbenzene	11.708	119	4774	0.412 ug/L		98
101) 1,2,4-Trimethylbenzene	11.751	105	5596	0.401 ug/L		97
102) 3,4-Dichlorobenzotrifl...	11.812	214	1946	0.492 ug/L		92
103) sec-Butylbenzene	11.891	105	6413	0.382 ug/L		98
104) p-Isopropyltoluene	12.013	119	5261	0.373 ug/L		92

1st FJ 03/06/24
2nd JR 03/07/24

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Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

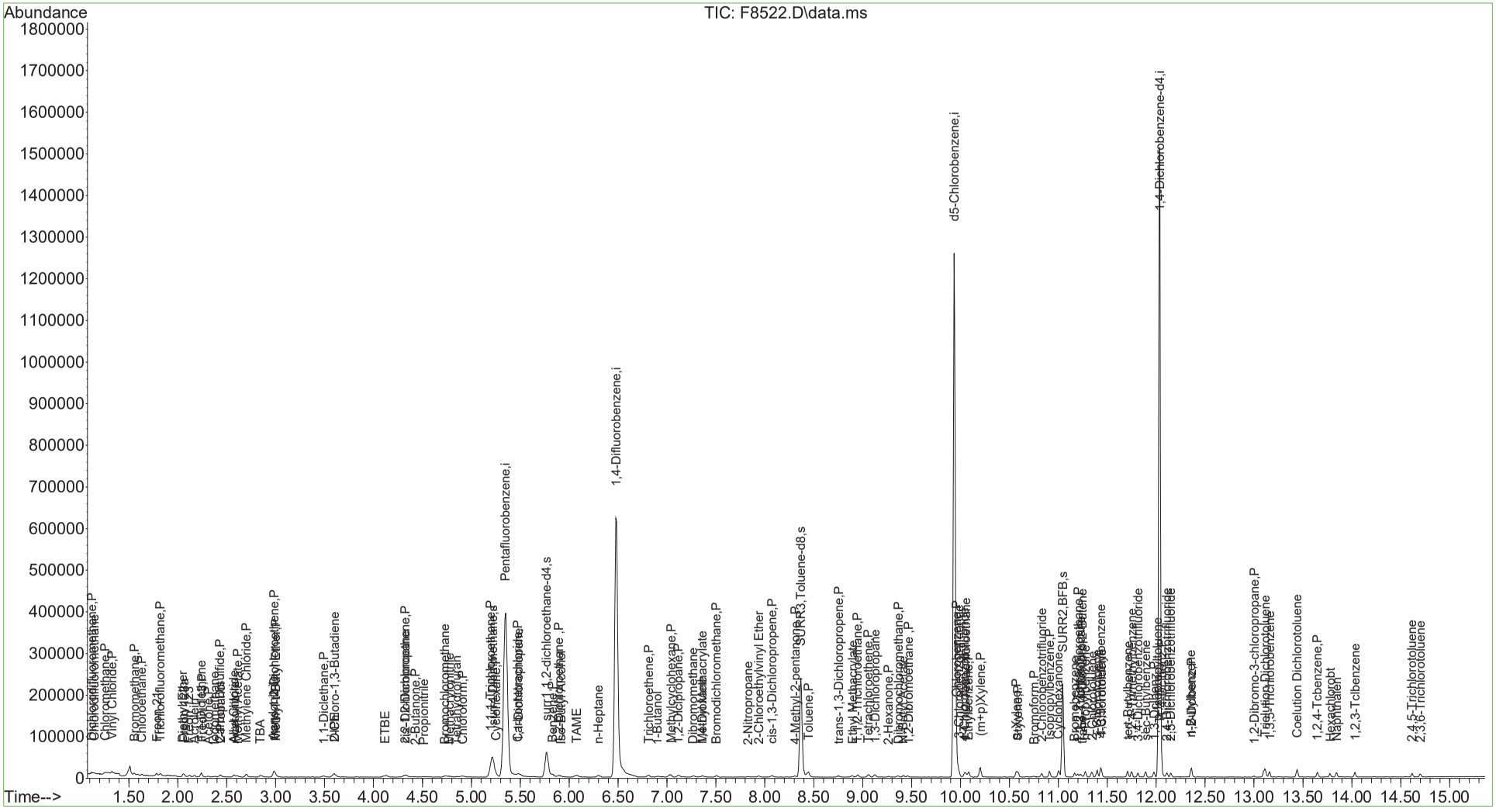
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
105) 1,3-Dclbenz	11.977	146	3945	0.495 ug/L	93
106) 1,4-Dclbenz	12.056	146	4532	0.519 ug/L	95
107) 2,4-Dichlorobenzotrifl...	12.111	214	1884	0.522 ug/L	80
108) 2,5-Dichlorobenzotrifl...	12.147	214	1848	0.458 ug/L	94
109) n-Butylbenzene	12.355	91	4720	0.377 ug/L	91
110) 1,2-Dclbenz	12.361	146	3403	0.412 ug/L	93
111) 1,2-Dibromo-3-chloropr...	13.001	157	416	0.321 ug/L #	78
112) Trielution Dichlorotol...	13.111	125	8330	1.238 ug/L	93
113) 1,3,5-Trichlorobenzene	13.159	180	2879	0.490 ug/L	98
114) Coelution Dichlorotoluene	13.440	125	6000	0.811 ug/L	92
115) 1,2,4-Tcbenzene	13.647	180	2767	0.501 ug/L	99
116) Hexachlorobt	13.775	225	1181	0.535 ug/L	90
117) Naphthalen	13.842	128	6275	0.349 ug/L	95
118) 1,2,3-Tclbenzene	14.031	180	2469	0.448 ug/L	95
119) 2,4,5-Trichlorotoluene	14.616	159	1714	0.456 ug/L	93
120) 2,3,6-Trichlorotoluene	14.696	159	1563	0.442 ug/L	85

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8522.D
Acq On : 05 Mar 2024 11:13 am
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Sample : 0.5 PPB STD
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ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 14:12:19 2024
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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
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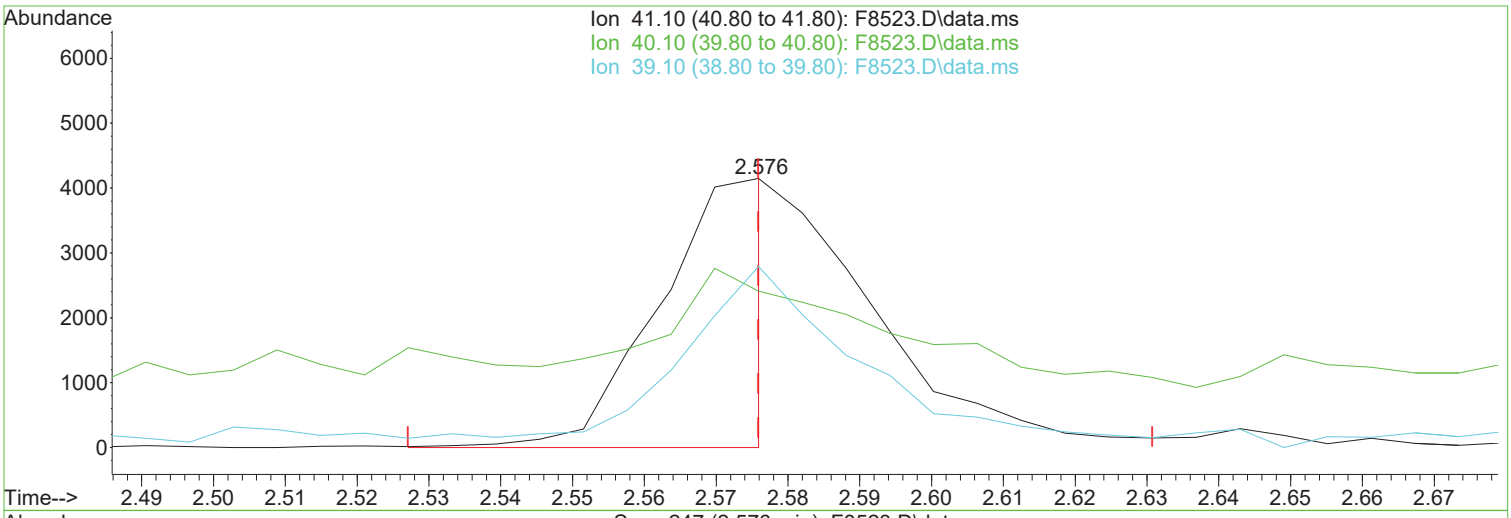


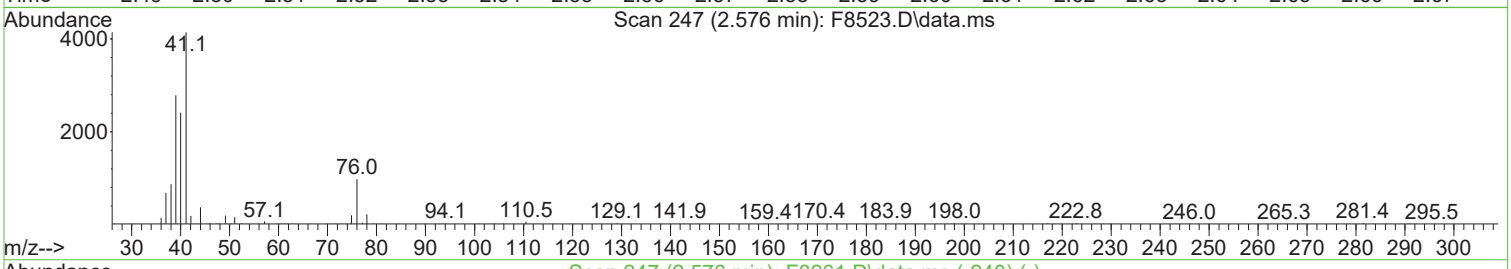
1st FNJ 03/06/24
2nd 03/07/24

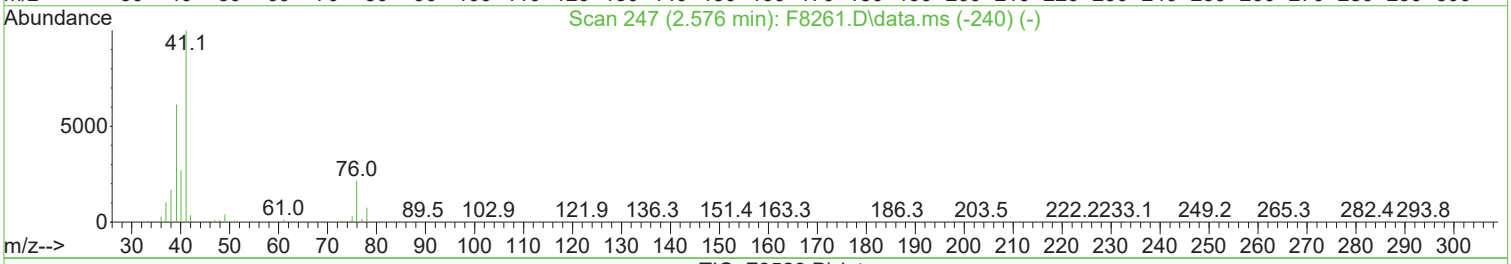
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 4.23 ug/L m

response 4603

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	58.19#
39.10	61.30	67.28
0.00	0.00	0.00

Manual Integration:

After

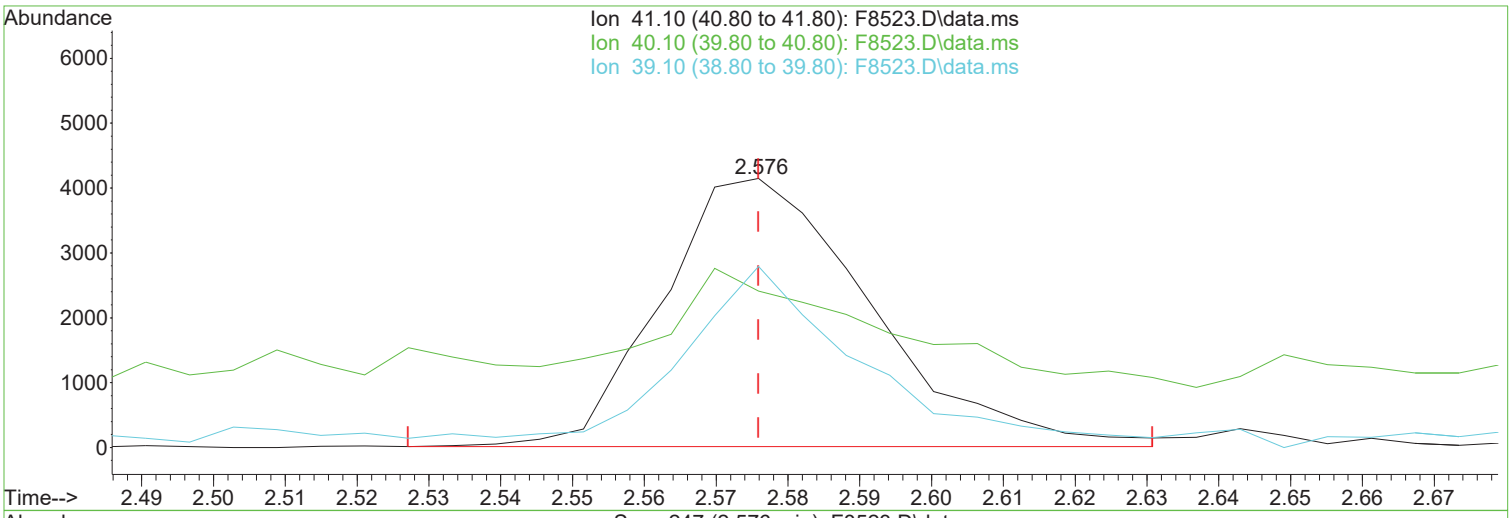
Poor integration.

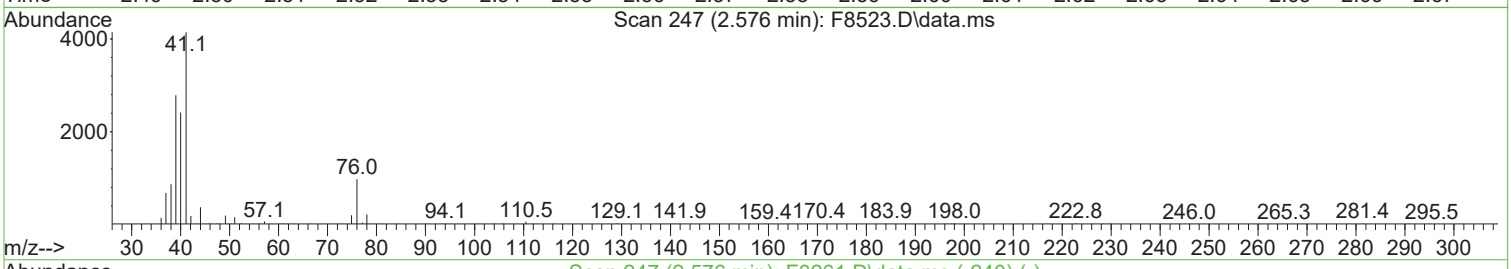
03/06/24

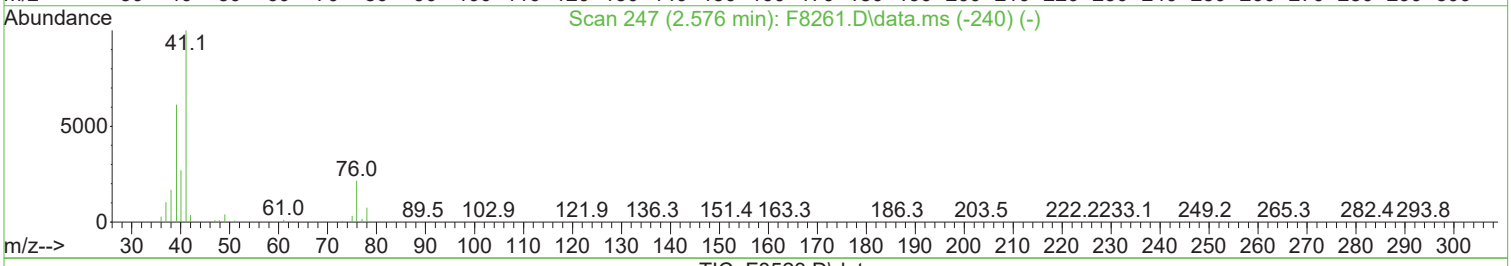
Quantitation Report (Qedit)

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 7.74 ug/L

response 8420

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	58.19#
39.10	61.30	67.28
0.00	0.00	0.00

Manual Integration:

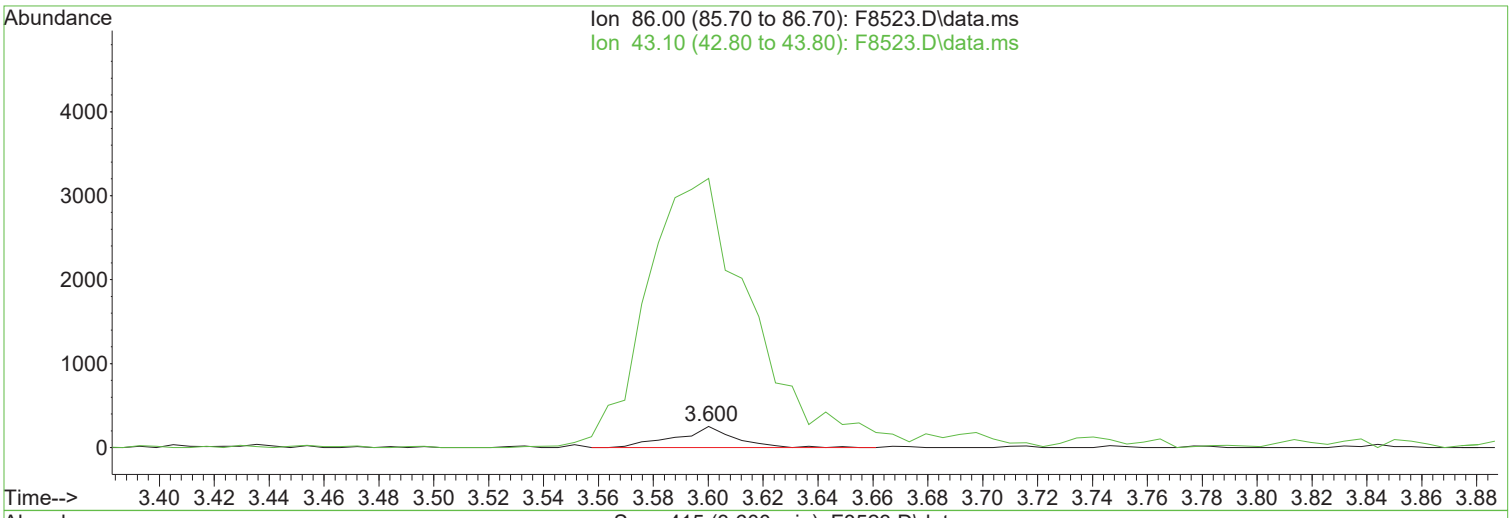
Before

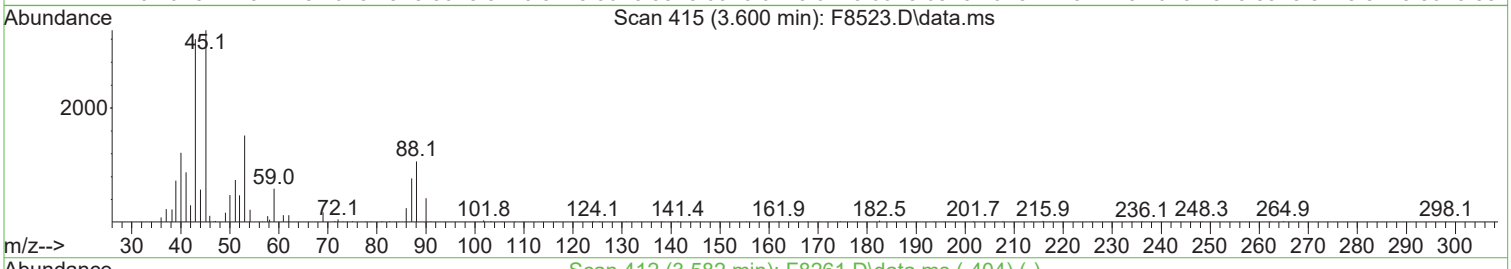
03/06/24

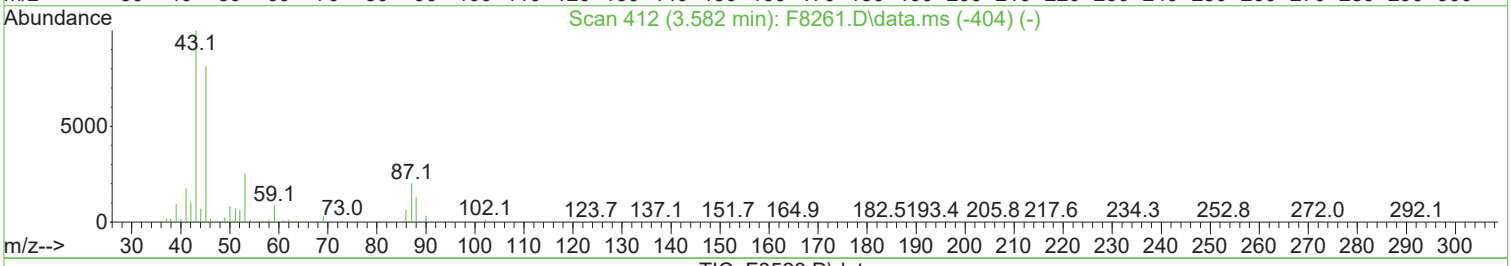
Quantitation Report (Qedit)

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
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TIC: F8523.D\data.ms

(29) Vinyl Acetate

3.600min (+ 0.018) 0.64 ug/L m

response 372

Ion	Exp%	Act%
86.00	100.00	100.00
43.10	1593.30	1266.40#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

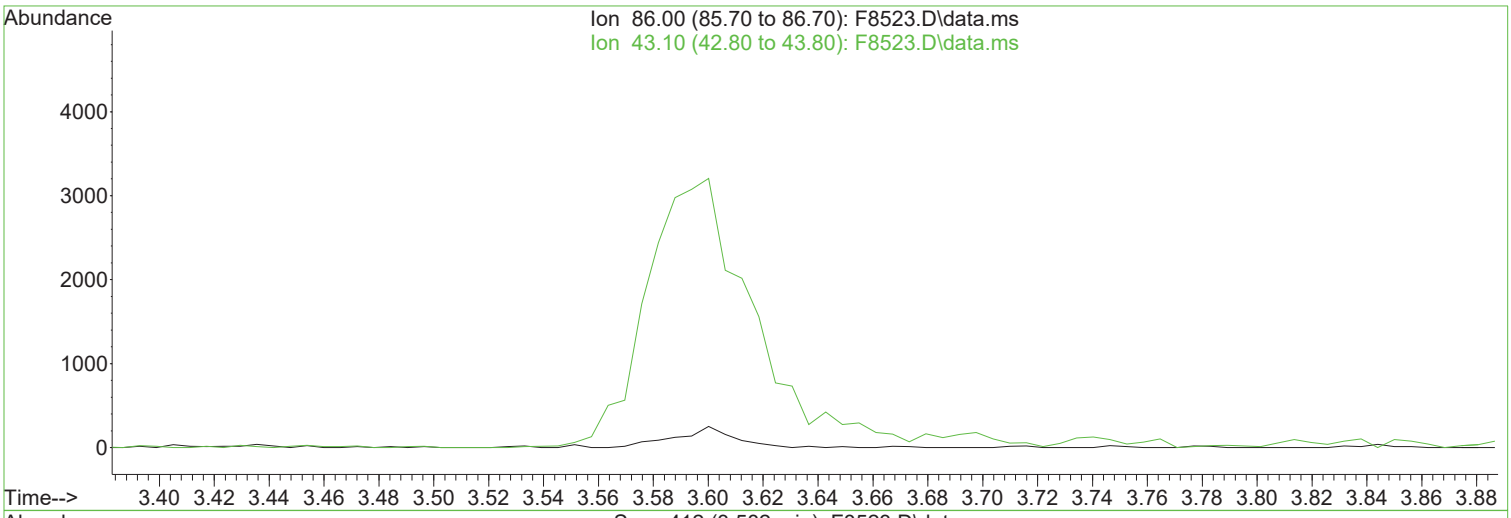
Peak not found.

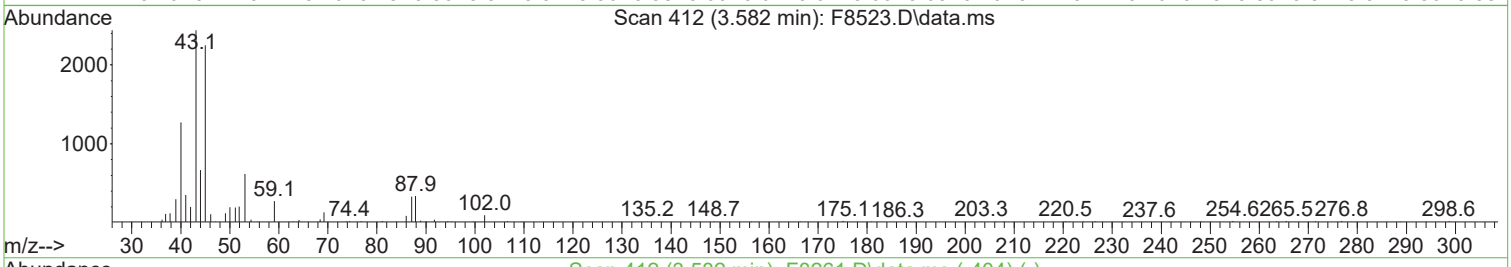
03/06/24

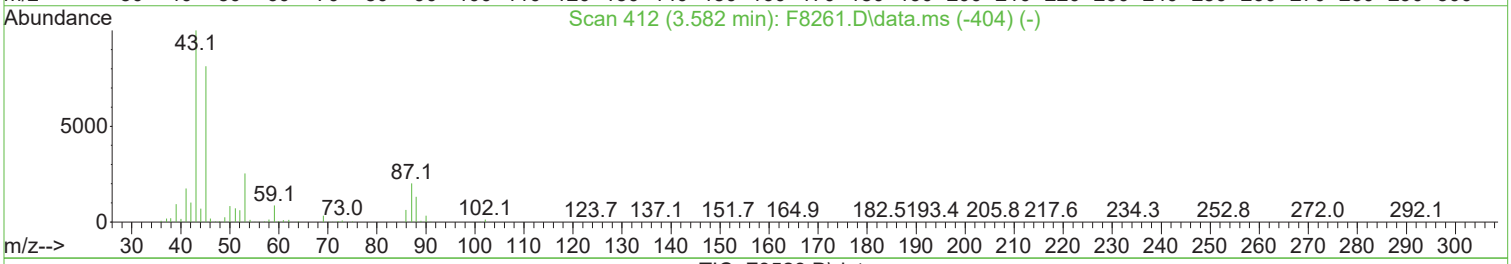
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(29) Vinyl Acetate

3.582min (-3.582) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.00	100.00	0.00
43.10	1593.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

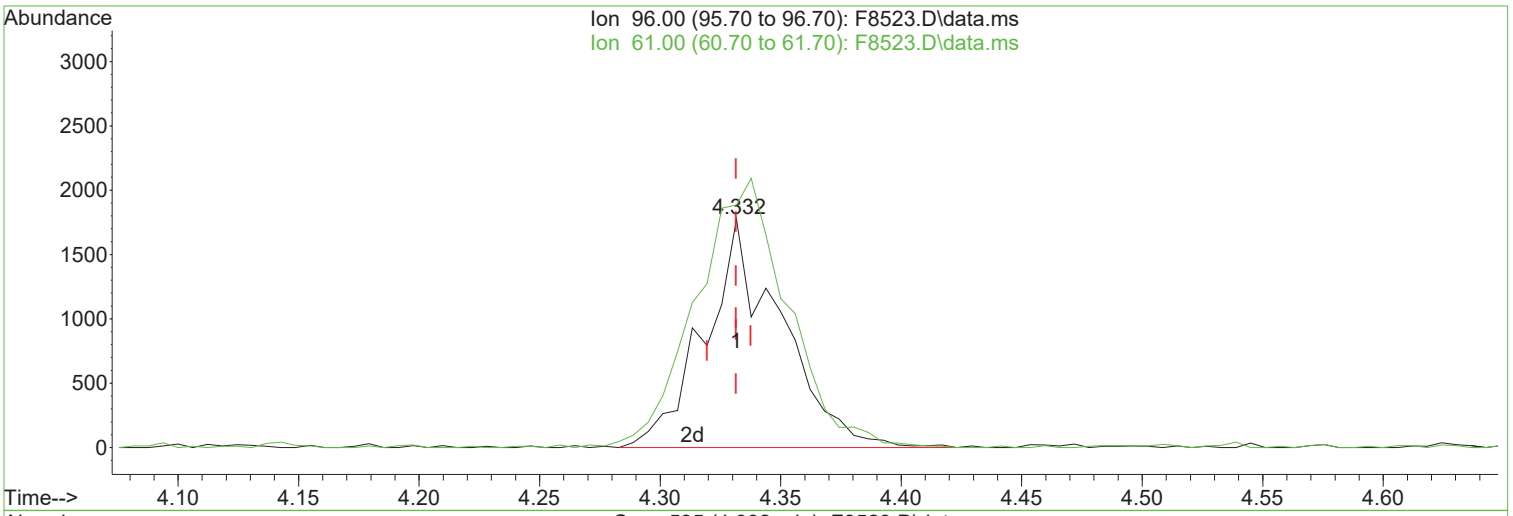
Before

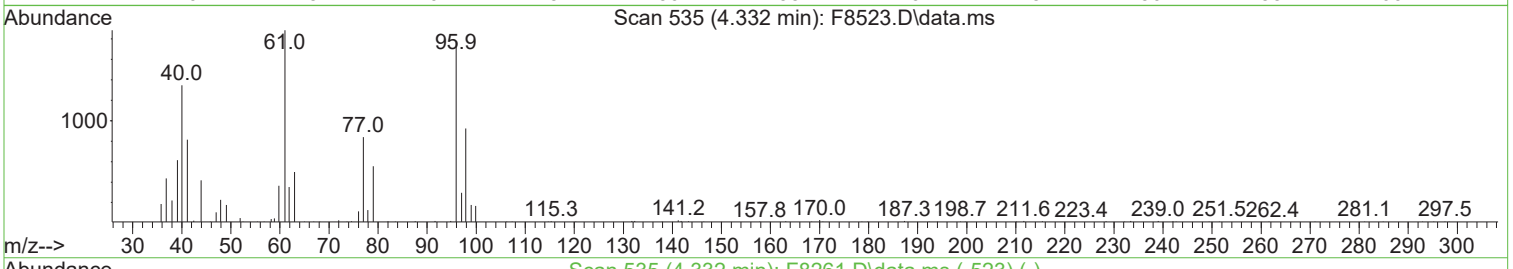
03/06/24

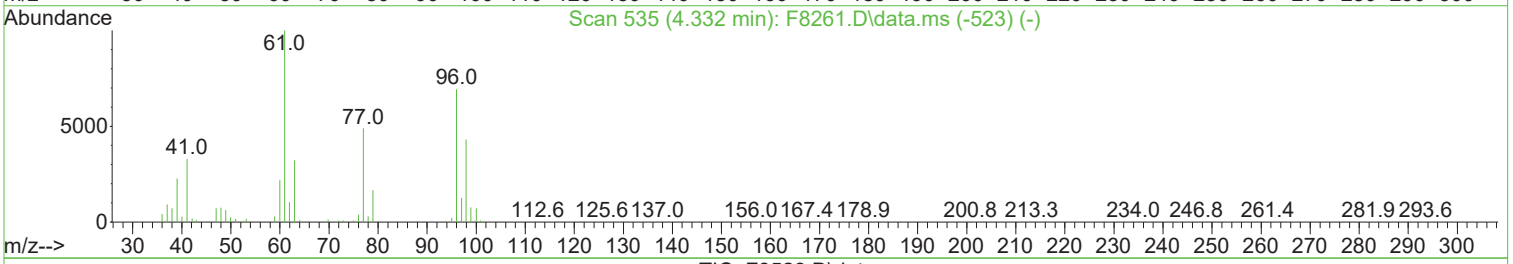
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

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

4.332min (+ 0.000) 0.90 ug/L m

response 3916

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	144.50	106.25#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

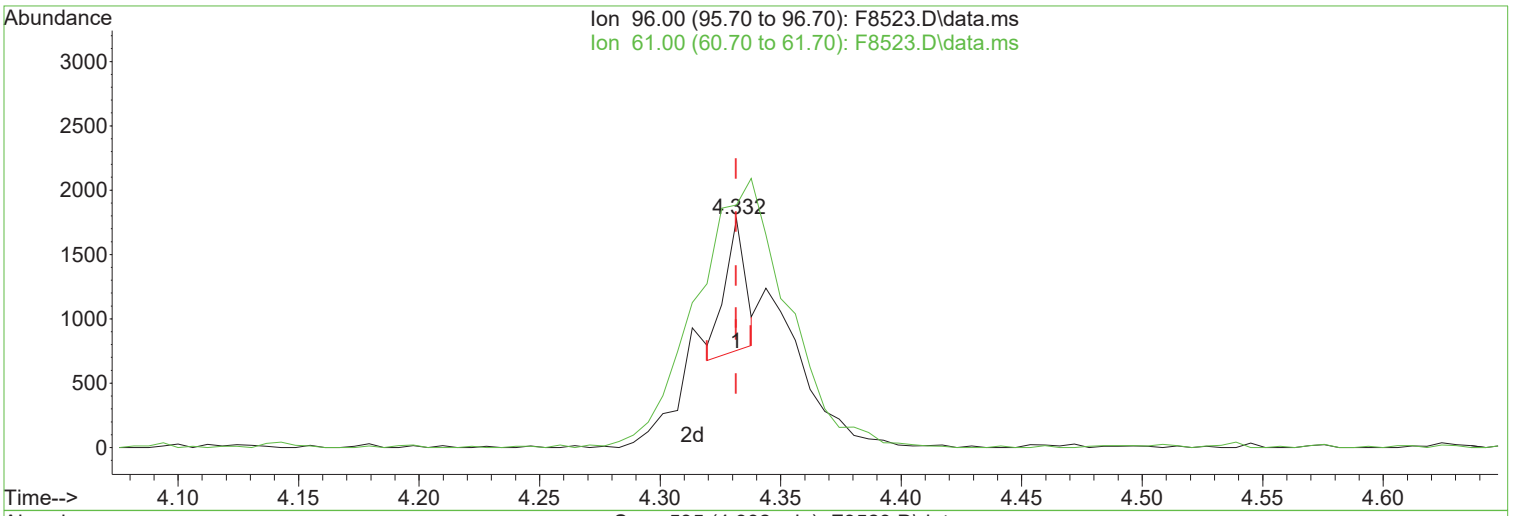
Poor integration.

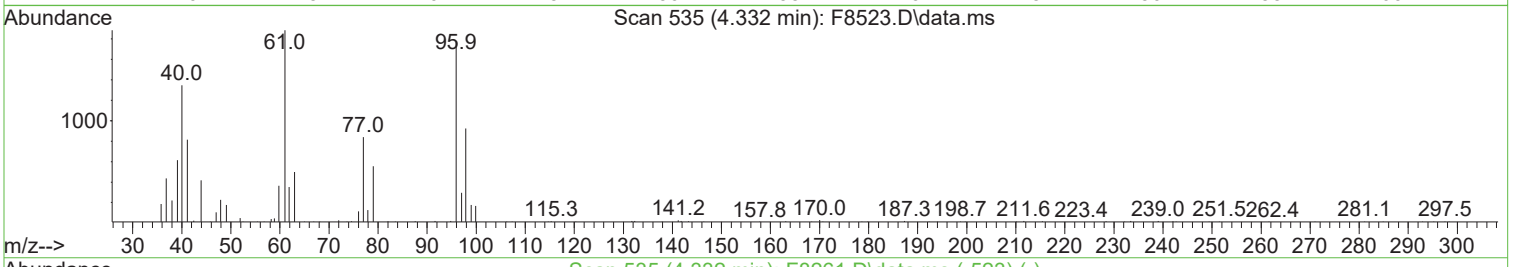
03/06/24

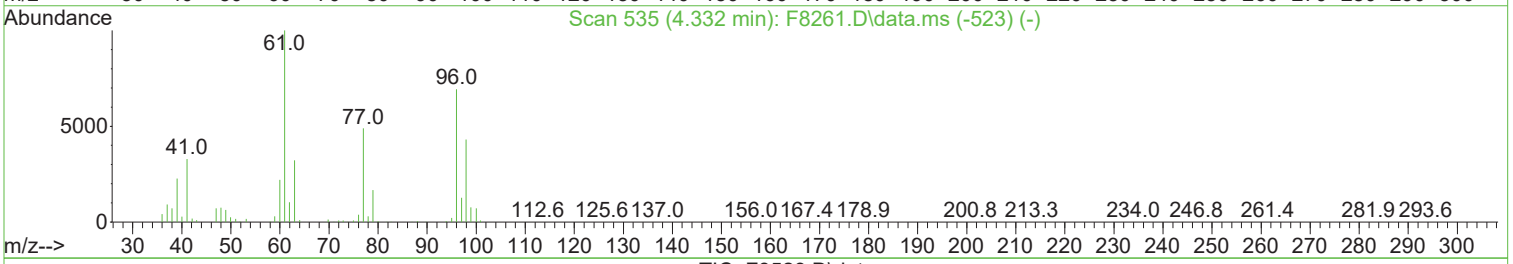
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

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

4.332min (+ 0.000) 0.14 ug/L

response 621

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	144.50	106.25#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

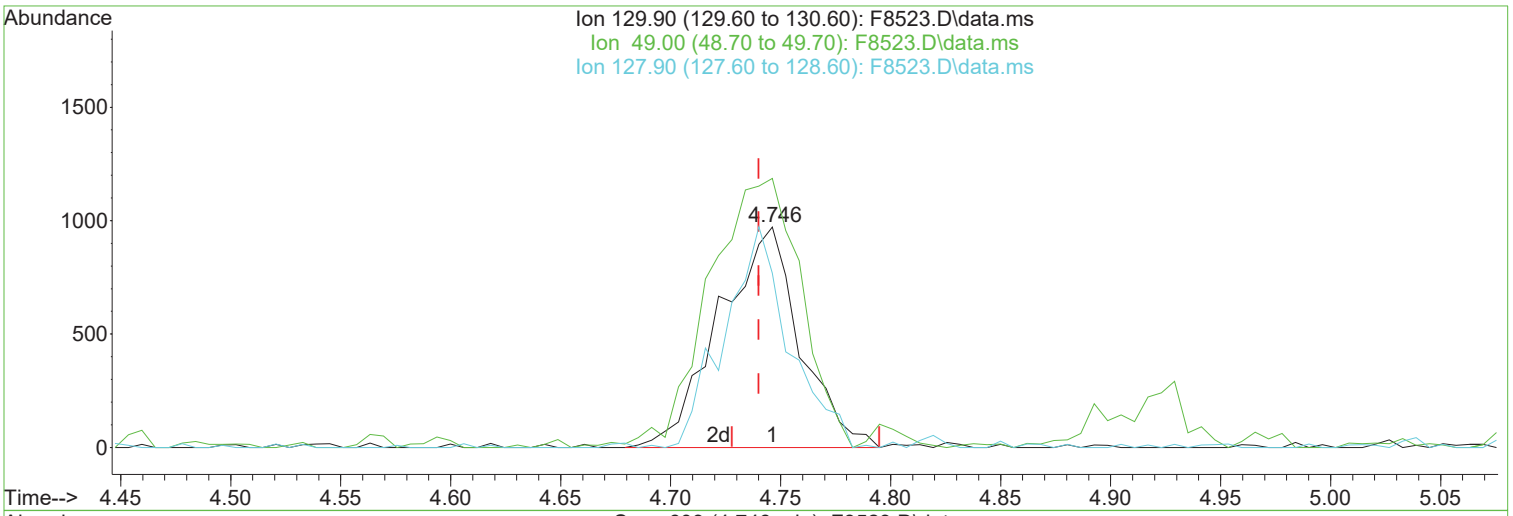
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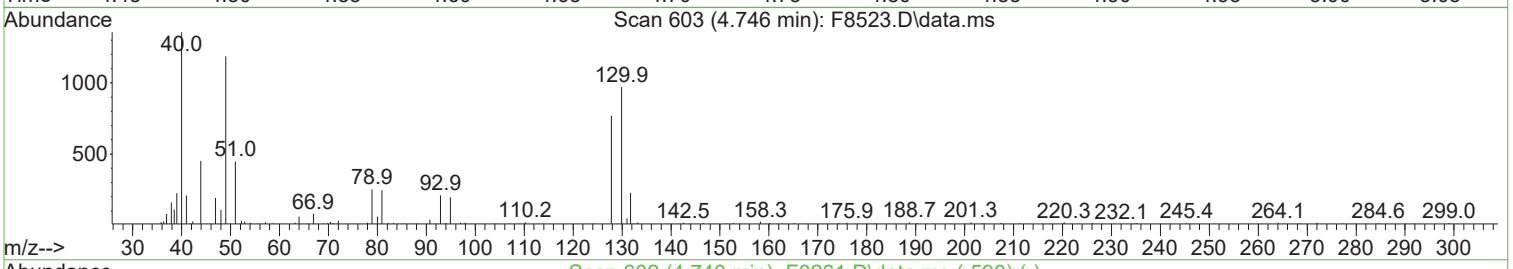
03/06/24

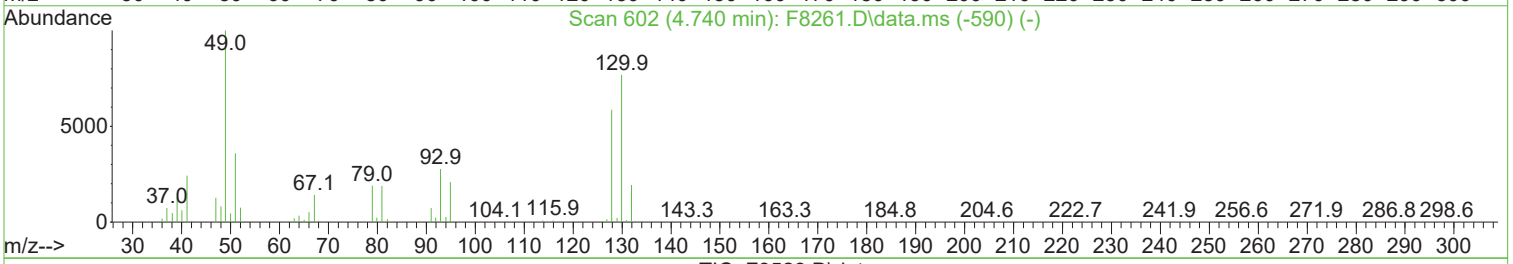
Quantitation Report (Qedit)

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Data File : F8523.D
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Operator : F.NAEGLER
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Misc :
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Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(37) Bromochloromethane

4.746min (+ 0.006) 0.86 ug/L m

response 2475

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	130.40	122.02
127.90	76.40	79.01
0.00	0.00	0.00

Manual Integration:

After

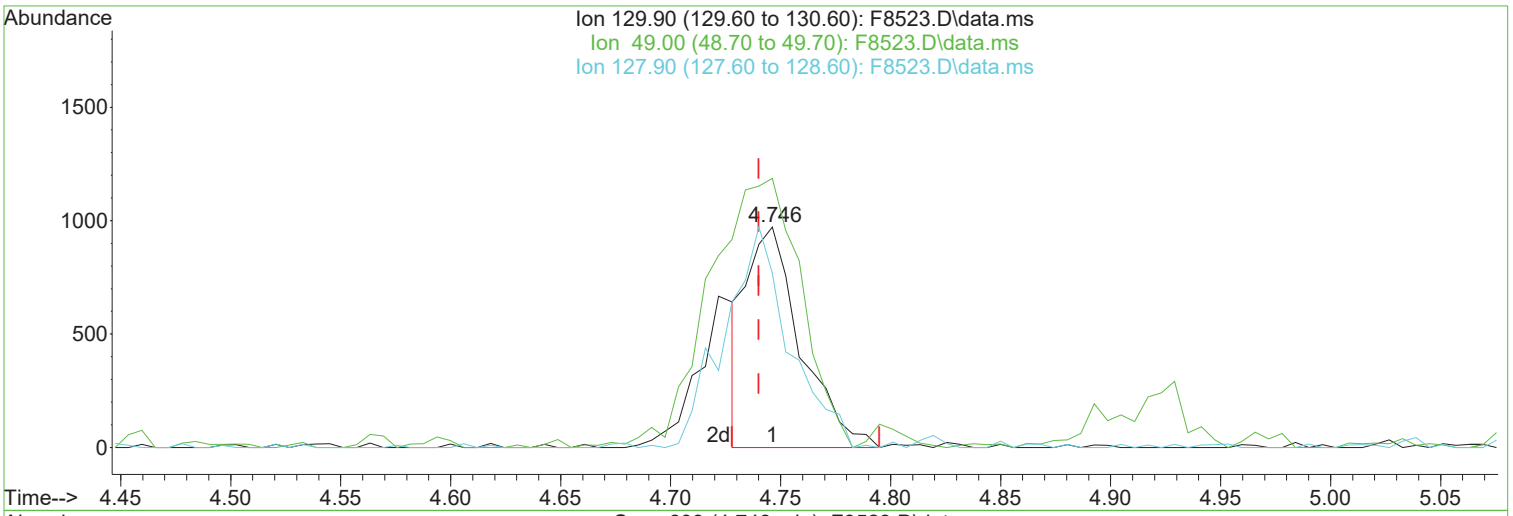
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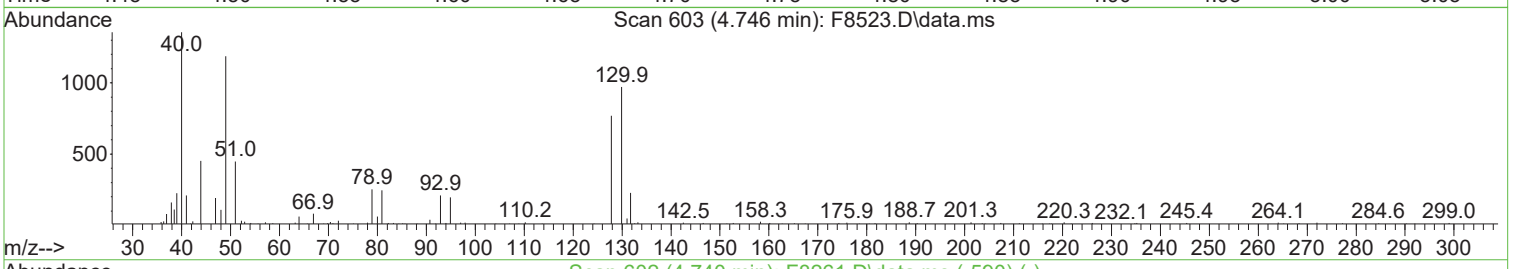
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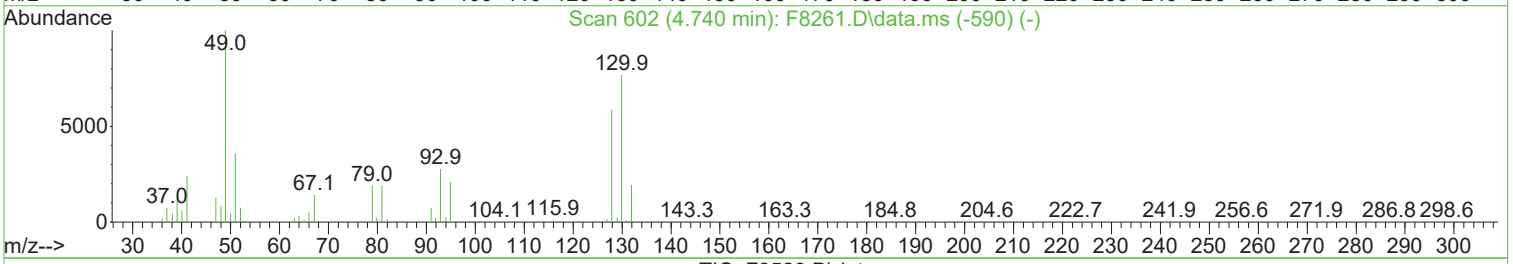
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(37) Bromochloromethane

4.746min (+ 0.006) 0.58 ug/L

response 1667

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	130.40	122.02
127.90	76.40	79.01
0.00	0.00	0.00

Manual Integration:

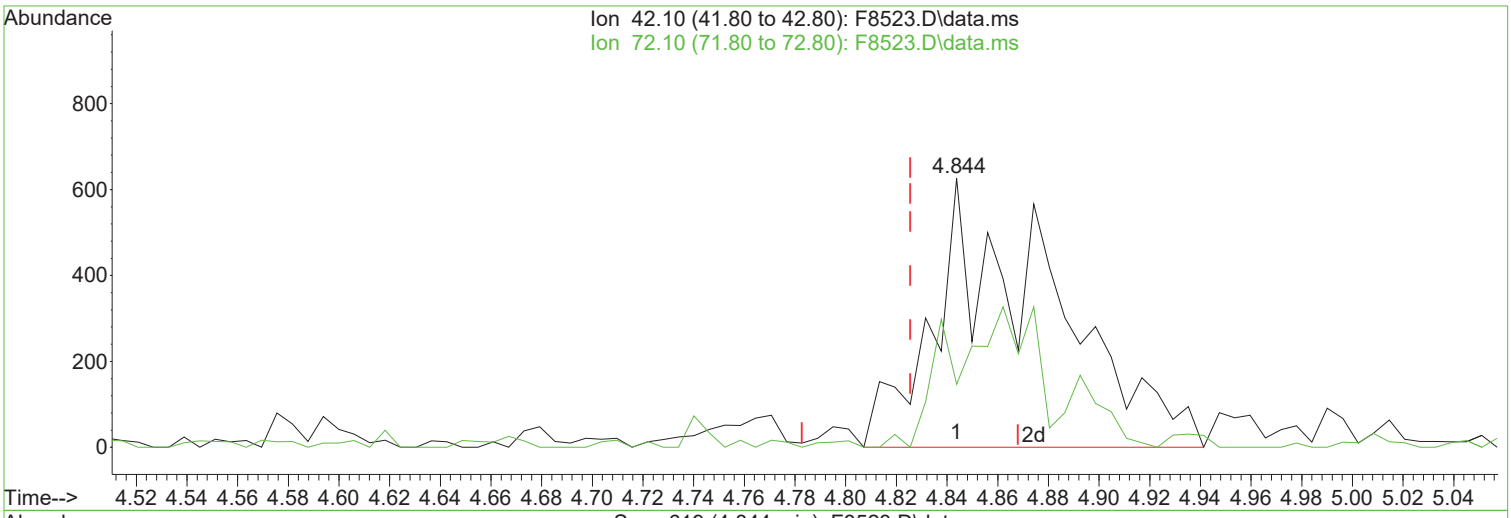
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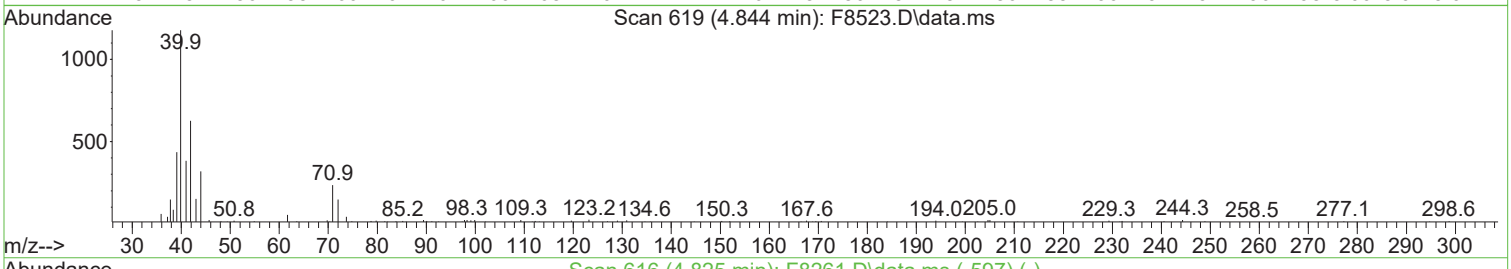
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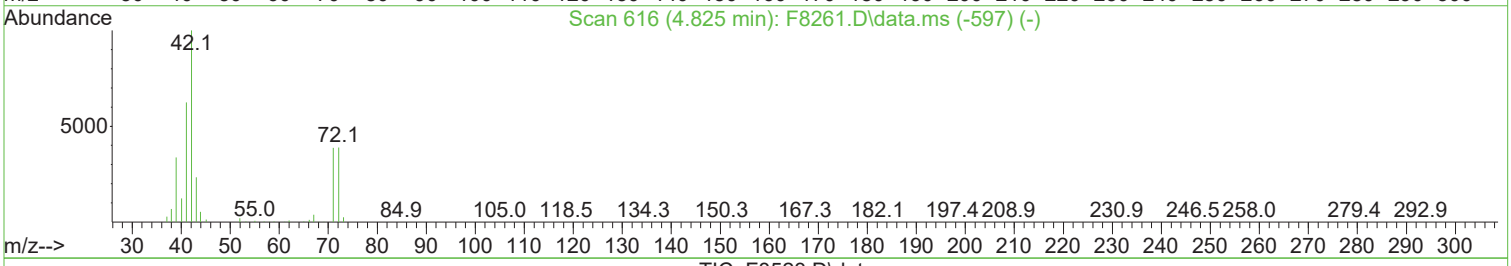
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(39) Tetrahydrofuran

4.844min (+ 0.018) 0.87 ug/L m

response 2000

Ion	Exp%	Act%
42.10	100.00	100.00
72.10	38.90	23.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

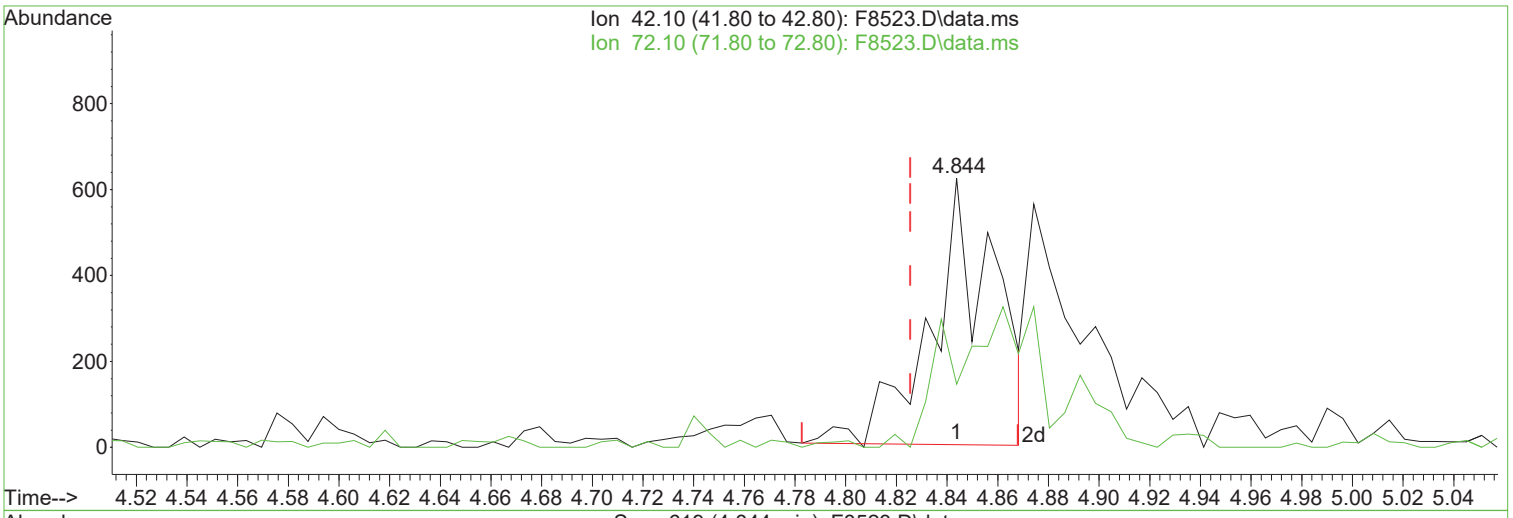
Poor integration.

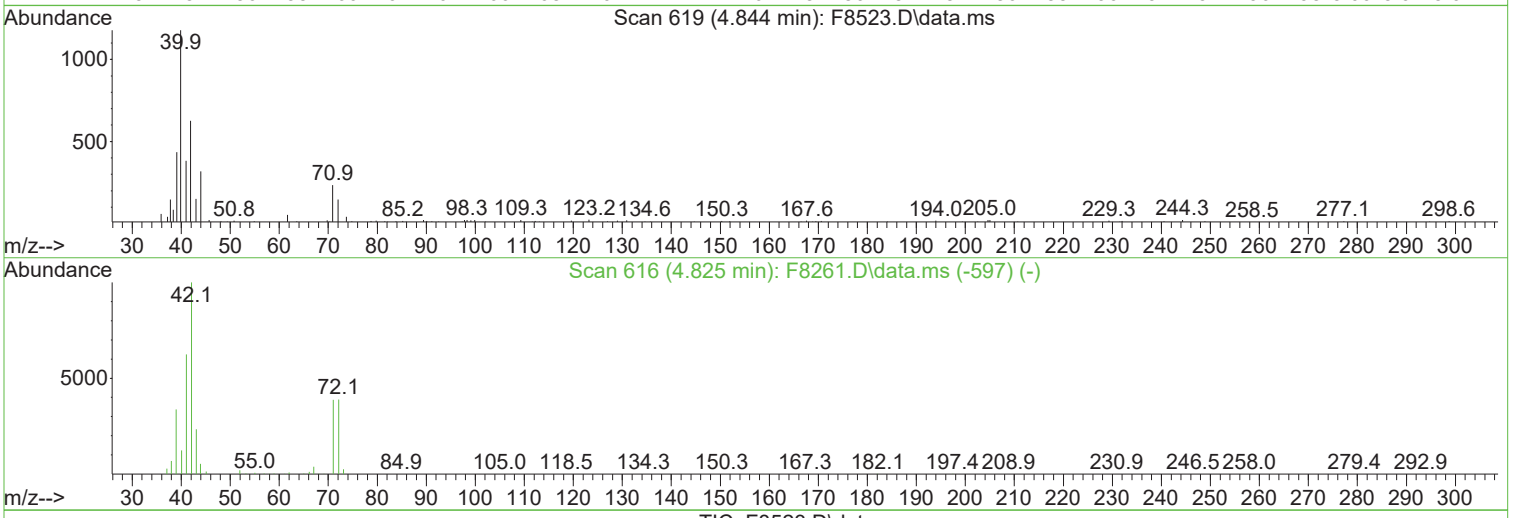
03/06/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration





TIC: F8523.D\data.ms

(39) Tetrahydrofuran

4.844min (+ 0.018) 0.46 ug/L

response 1067

Ion	Exp%	Act%
42.10	100.00	100.00
72.10	38.90	23.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

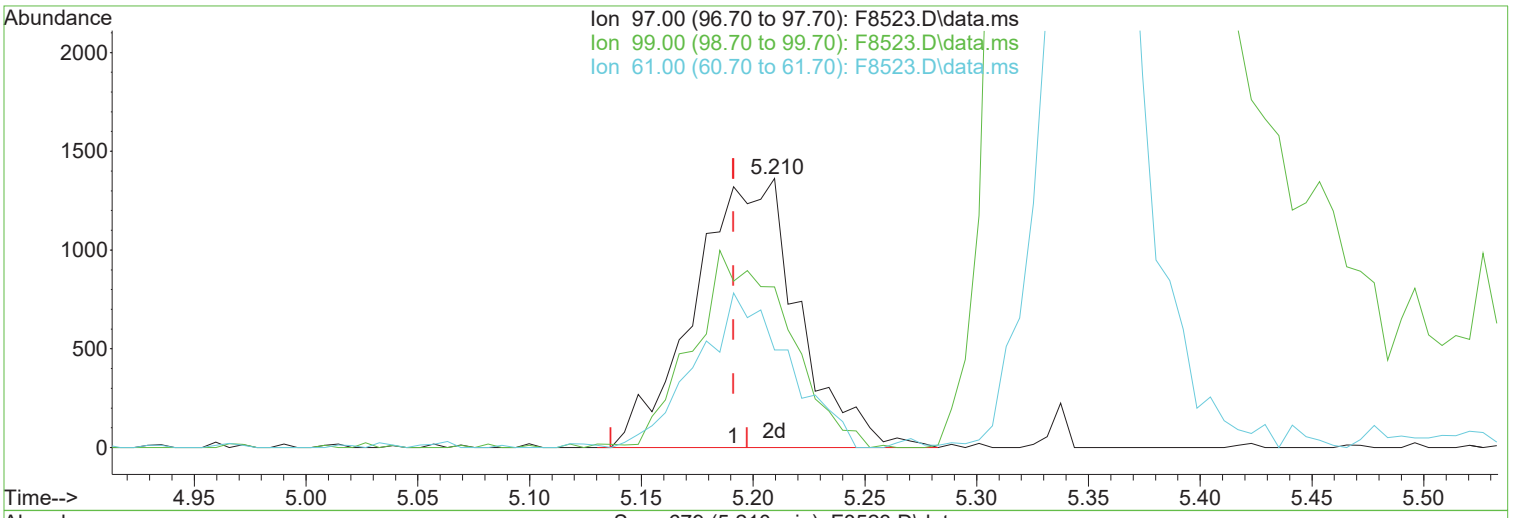
Before

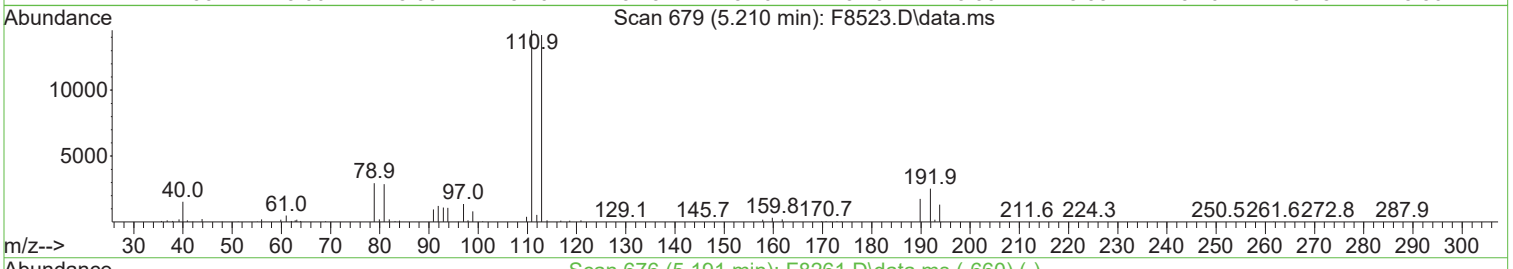
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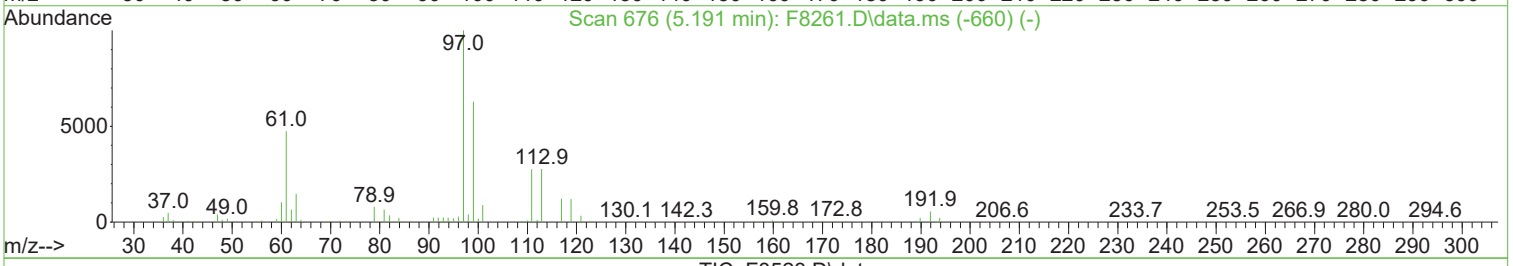
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

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

5.210min (+ 0.018) 0.77 ug/L m

response 4405

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	62.70	59.77
61.00	47.50	36.27
0.00	0.00	0.00

Manual Integration:

After

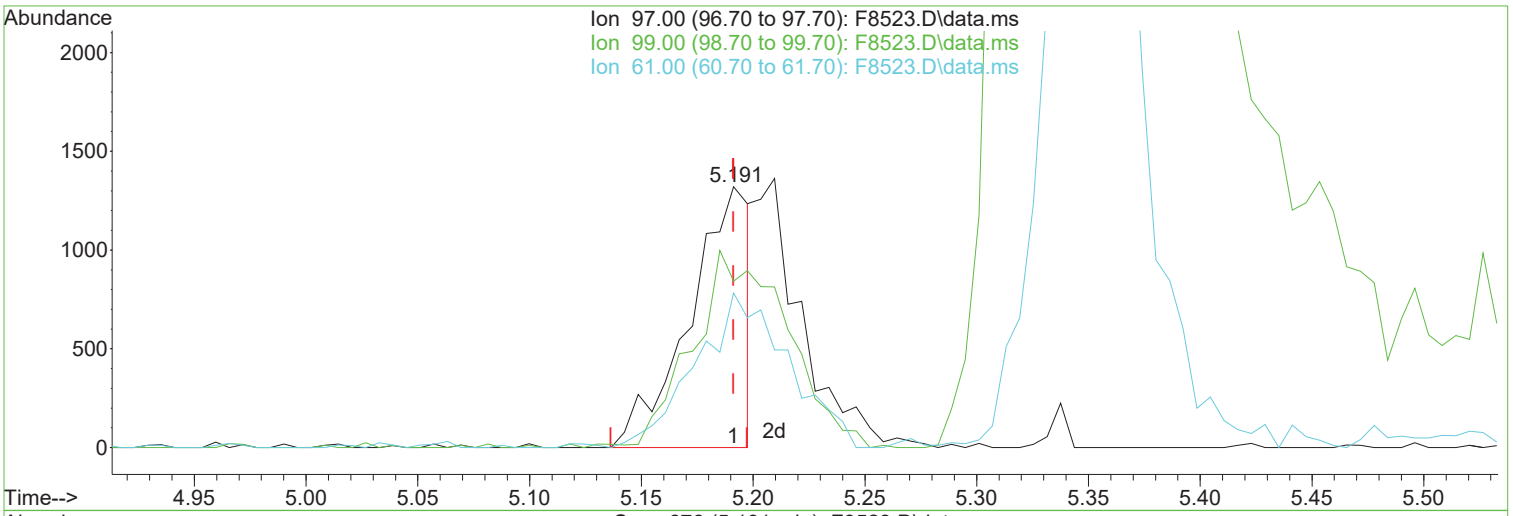
Poor integration.

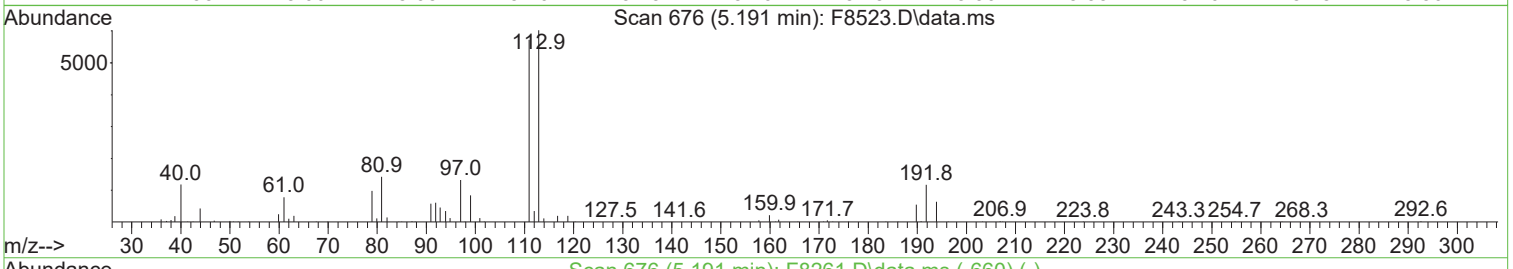
03/06/24

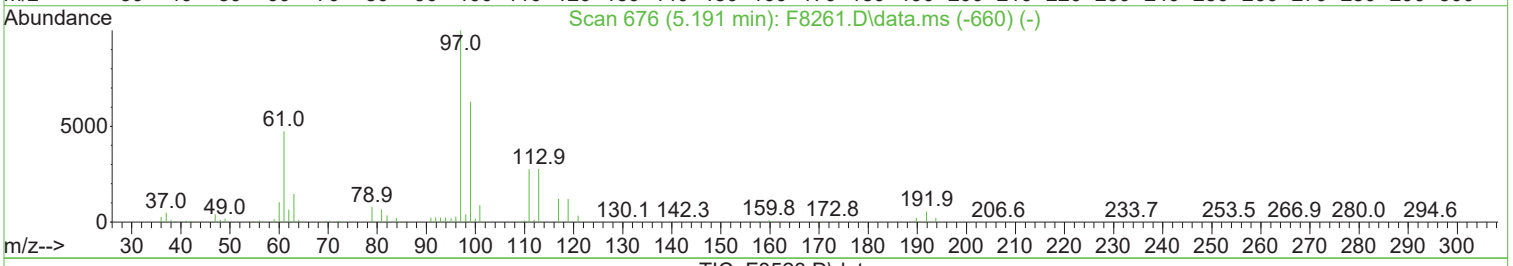
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

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

5.191min (+ 0.000) 0.43 ug/L

response 2470

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	62.70	63.74
61.00	47.50	59.27
0.00	0.00	0.00

Manual Integration:

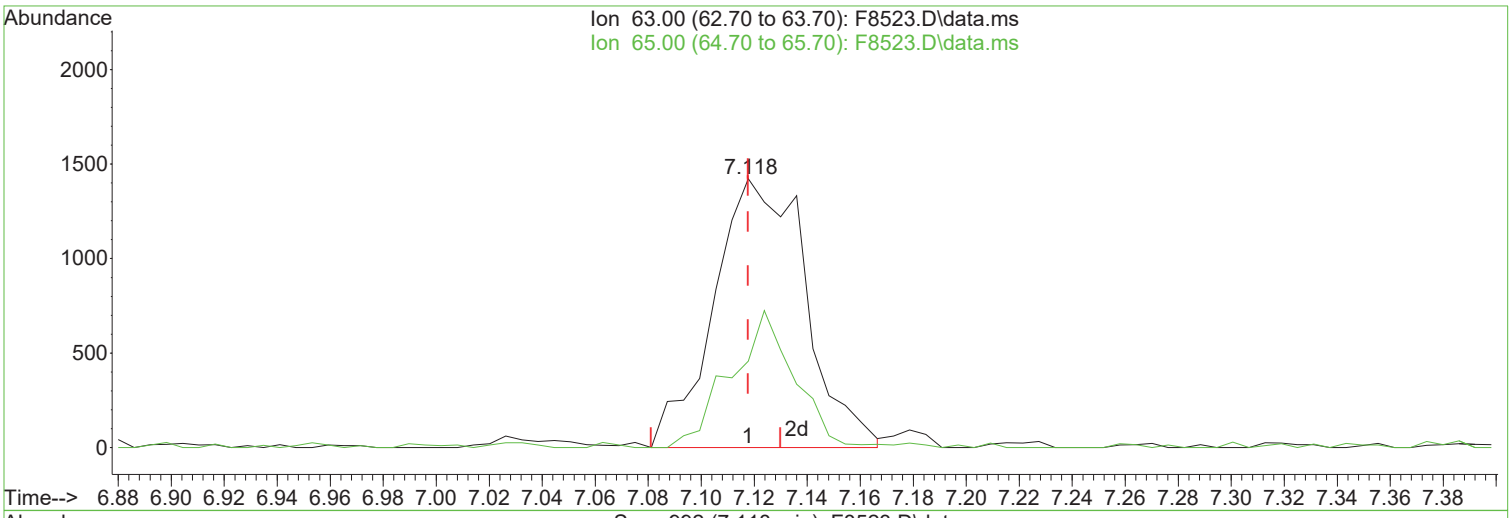
Before

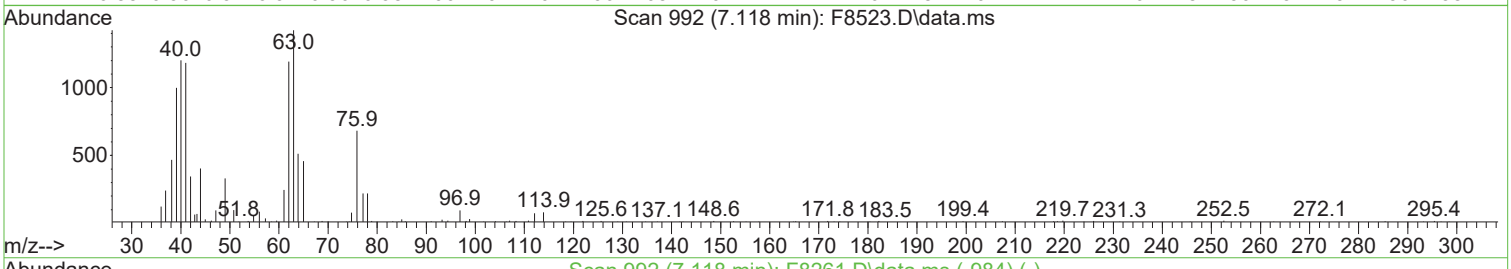
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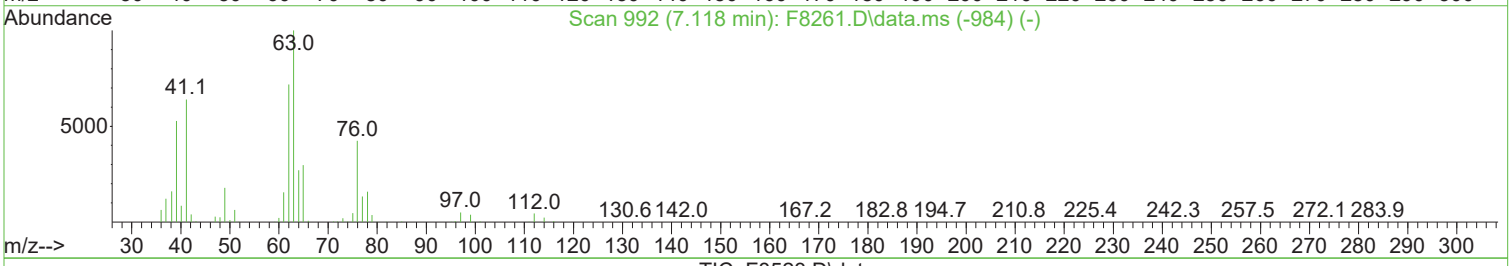
Quantitation Report (Qedit)

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Data File : F8523.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(56) 1,2-Diclpropane (P)

7.118min (+ 0.000) 0.87 ug/L m

response 3431

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	30.00	32.19
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

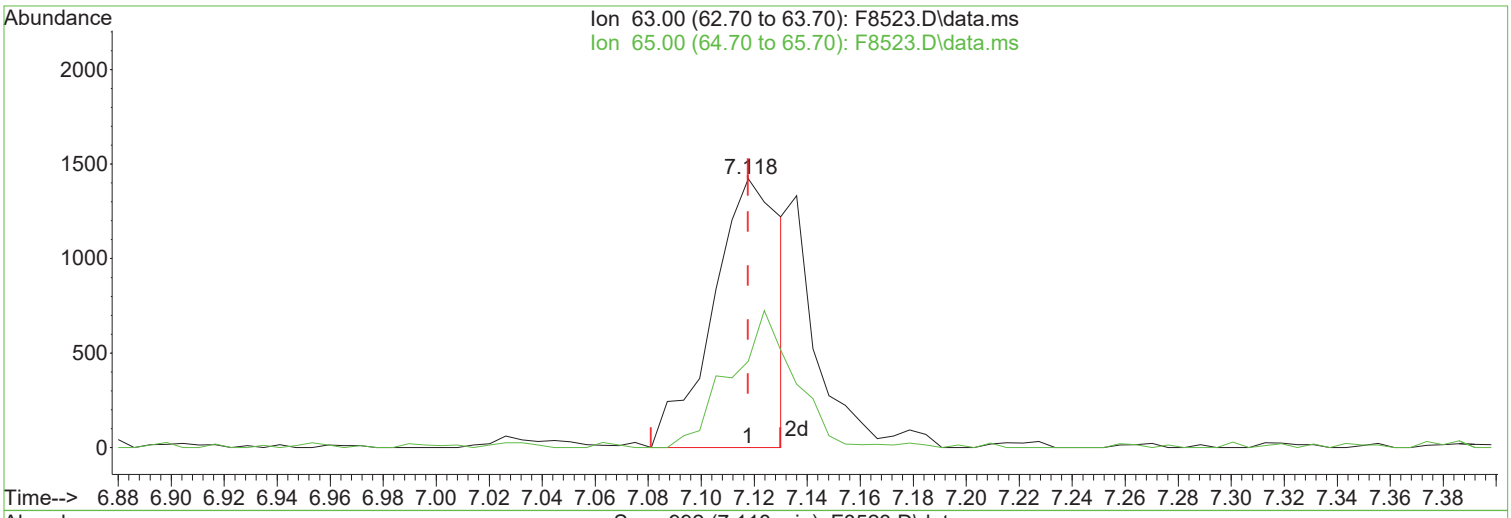
Poor integration.

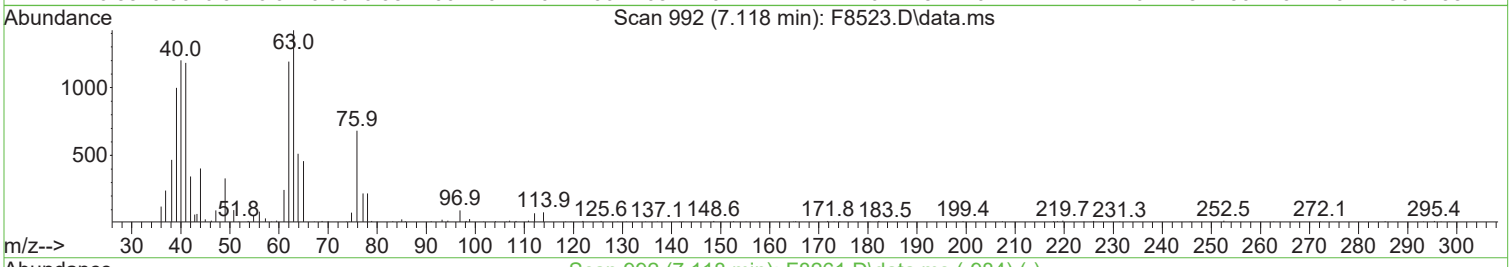
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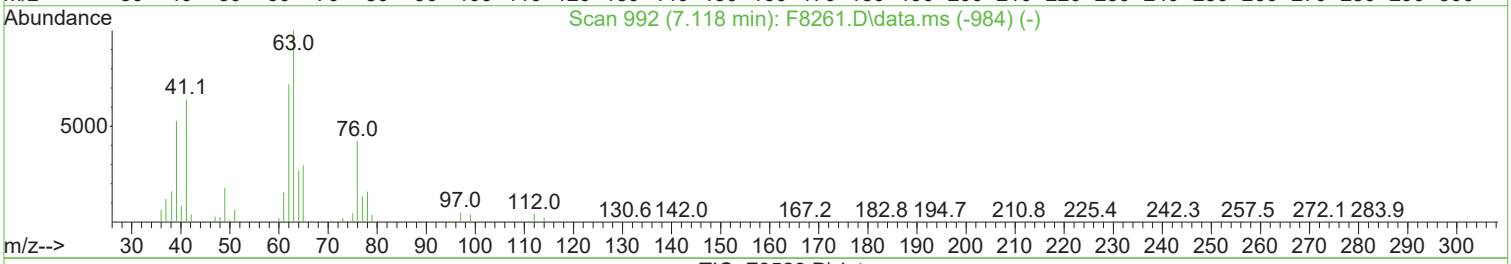
Quantitation Report (Qedit)

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Operator : F.NAEGLER
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(56) 1,2-Diclpropane (P)

7.118min (+ 0.000) 0.63 ug/L

response 2503

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	30.00	32.19
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

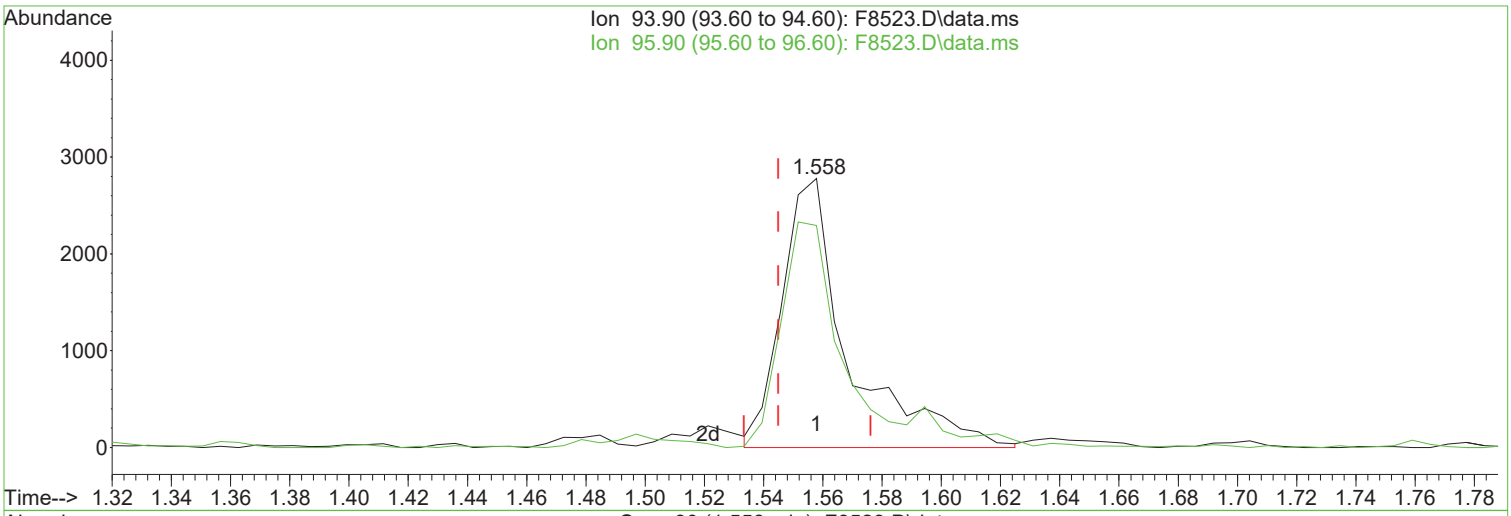
Before

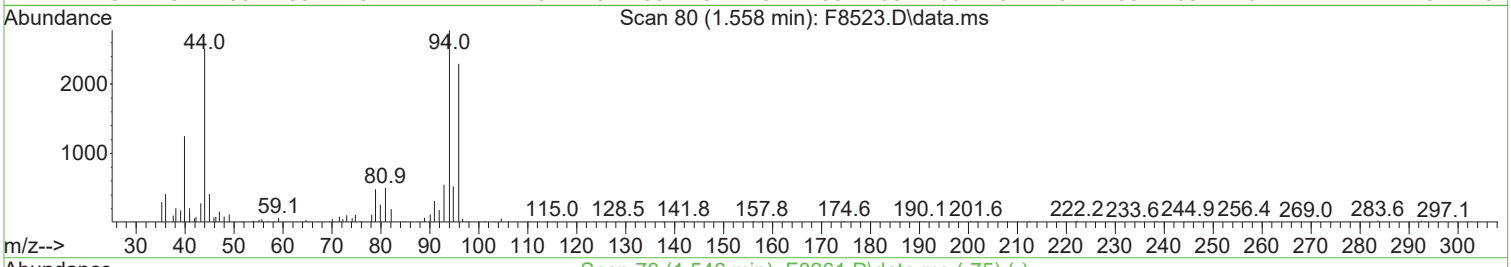
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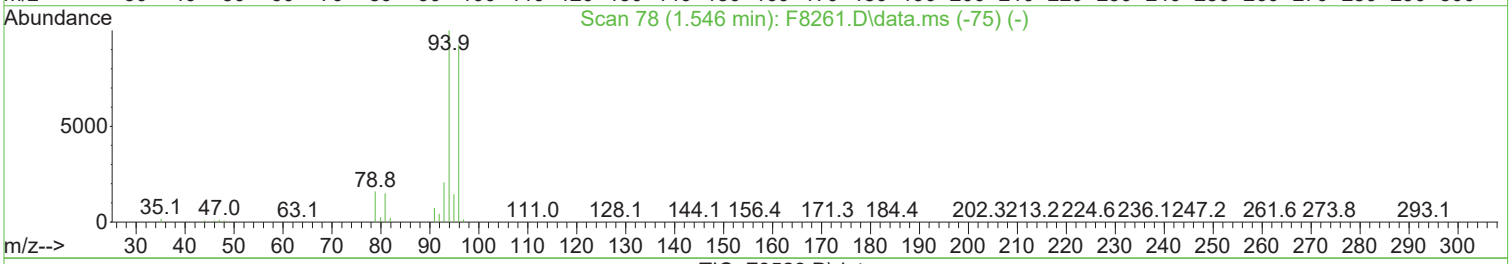
Quantitation Report (Qedit)

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Response via : Initial Calibration







TIC: F8523.D\data.ms

(6) Bromomethane (P)

1.558min (+ 0.013) 0.78 ug/L m

response 4331

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.30	82.54
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

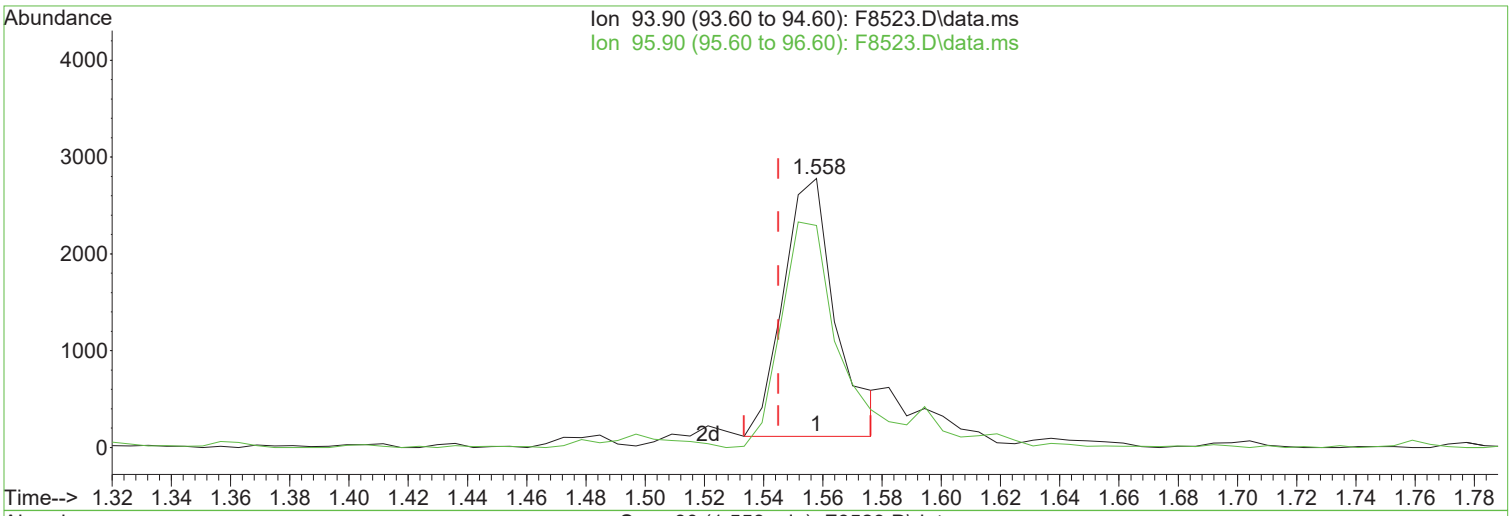
Poor integration.

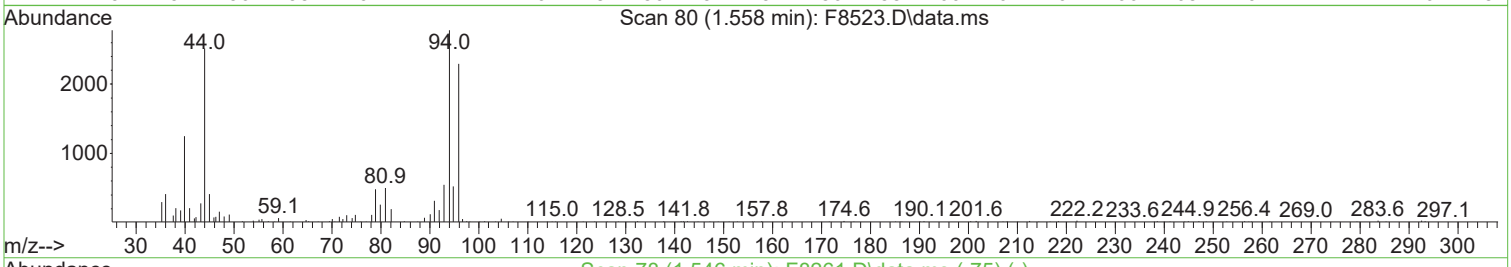
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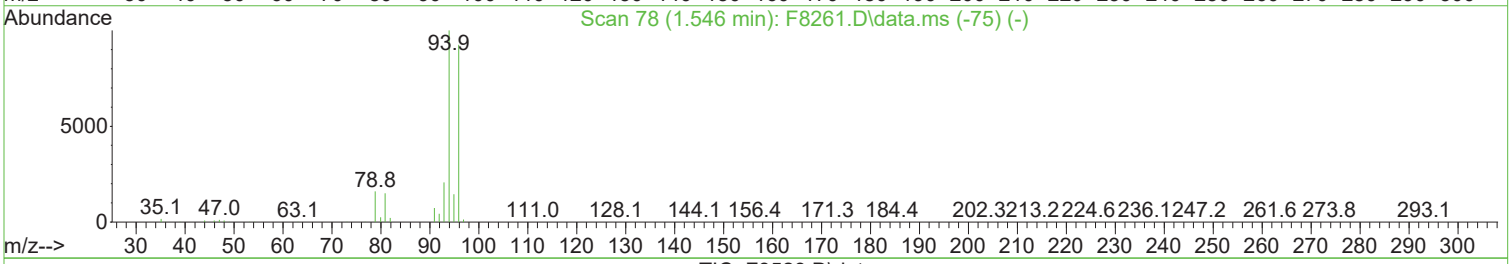
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8523.D
Acq On : 05 Mar 2024 11:35 am
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 14:17:20 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8523.D\data.ms

(6) Bromomethane (P)

1.558min (+ 0.013) 0.59 ug/L

response 3260

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.30	82.54
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

Quantitation Report (QT Reviewed)

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	429404	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	644906	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	580263	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.037	152	308524	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.222	113	45583	11.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 22.04%#			
48) surr1,1,2-dichloroetha...	5.777	65	58977	10.87	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.74%#			
65) SURR3,Toluene-d8	8.367	98	179640	10.68	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.36%#			
70) SURR2,BFB	11.044	95	63122	9.88	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 19.76%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.155	51	3659	1.026	ug/L	79
3) Dichlorodifluoromethane	1.119	85	4304	0.958	ug/L	91
4) Chloromethane	1.265	50	5304	1.084	ug/L	86
5) Vinyl Chloride	1.326	62	4902	0.941	ug/L	76
6) Bromomethane	1.558	94	4331m	0.778	ug/L	
7) Chloroethane	1.631	64	3583	0.763	ug/L	95
8) Freon 21	1.783	67	7306	0.843	ug/L	99
9) Trichlorofluoromethane	1.820	101	5671	0.827	ug/L	98
10) Diethyl Ether	2.058	59	3012	0.747	ug/L	96
11) Freon 123a	2.064	67	3775	0.795	ug/L	77
12) Freon 123	2.119	83	4352	0.879	ug/L	95
13) Acrolein	2.167	56	5159	5.452	ug/L	90
14) 1,1-Diclethene	2.241	96	3036	0.988	ug/L #	86
15) Freon 113	2.241	101	3220	1.045	ug/L	98
16) Acetone	2.308	43	3089	1.213	ug/L	91
17) 2-Propanol	2.448	45	6033	14.734	ug/L	70
18) Iodomethane	2.381	142	3109	0.672	ug/L	98
19) Carbon Disulfide	2.430	76	8557	0.905	ug/L	96
20) Acetonitrile	2.576	41	4603m	4.232	ug/L	
21) Allyl Chloride	2.582	76	1482	0.788	ug/L #	43
22) Methyl Acetate	2.619	43	5837	0.929	ug/L	97
23) Methylene Chloride	2.704	84	4173	0.999	ug/L #	80
24) TBA	2.850	59	10070	14.130	ug/L	69
25) Acrylonitrile	2.984	53	9829	4.188	ug/L	99
26) Methyl-t-Butyl Ether	2.997	73	10551	0.785	ug/L	97
27) trans-1,2-Dichloroethene	2.984	96	3373	0.915	ug/L #	78
28) 1,1-Diclethane	3.490	63	5999	0.859	ug/L	94
29) Vinyl Acetate	3.600	86	372m	0.645	ug/L	
30) DIPE	3.600	45	9270	0.727	ug/L	97
31) 2-Chloro-1,3-Butadiene	3.606	53	4819	0.736	ug/L	89
32) ETBE	4.124	59	8289	0.688	ug/L	93
33) 2,2-Dichloropropane	4.313	77	3487	0.707	ug/L	87
34) cis-1,2-Dichloroethene	4.332	96	3916m	0.895	ug/L	
35) 2-Butanone	4.429	43	2751	0.794	ug/L	100
36) Propionitrile	4.521	54	4137	3.988	ug/L	92
37) Bromochloromethane	4.746	130	2475m	0.856	ug/L	
38) Methacrylonitrile	4.783	67	1971	0.777	ug/L	96
39) Tetrahydrofuran	4.844	42	2000m	0.870	ug/L	
40) Chloroform	4.923	83	6042	0.830	ug/L	94

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	1,1,1-Trichloroethane	5.210	97	4405m	0.770	ug/L		
42)	TAME	6.075	73	8437	0.712	ug/L		94
44)	Cyclohexane	5.252	41	3458	0.933	ug/L		80
46)	Carbontetrachloride	5.459	117	3648	0.918	ug/L	#	76
47)	1,1-Dichloropropene	5.502	75	5351	1.140	ug/L		93
49)	Benzene	5.831	78	12072	0.837	ug/L		98
50)	1,2-Dichloroethane	5.905	62	5428	0.859	ug/L		93
51)	Iso-Butyl Alcohol	5.911	43	3108	11.145	ug/L		81
52)	n-Heptane	6.307	43	4063	0.938	ug/L		92
53)	1-Butanol	6.910	56	2990	18.662	ug/L		91
54)	Trichloroethene	6.807	130	3558	0.921	ug/L		93
55)	Methylcyclohexane	7.038	55	4513	0.991	ug/L	#	81
56)	1,2-Diclpropane	7.118	63	3431m	0.866	ug/L		
57)	Dibromomethane	7.276	93	2419	0.820	ug/L		87
58)	1,4-Dioxane	7.355	88	1560	16.316	ug/L		88
59)	Methyl Methacrylate	7.355	69	2691	0.751	ug/L		88
60)	Bromodichloromethane	7.514	83	4102	0.811	ug/L		97
61)	2-Nitropropane	7.831	41	1423	1.085	ug/L	#	57
62)	2-Chloroethylvinyl Ether	7.941	63	1979	0.741	ug/L		95
63)	cis-1,3-Dichloropropene	8.075	75	3899	0.682	ug/L		88
64)	4-Methyl-2-pentanone	8.306	43	4775	0.739	ug/L		89
66)	Toluene	8.453	91	14079	0.853	ug/L		98
67)	trans-1,3-Dichloropropene	8.752	75	2719	0.522	ug/L		96
68)	Ethyl Methacrylate	8.886	69	3887	0.645	ug/L		93
69)	1,1,2-Trichloroethane	8.953	97	3424	0.849	ug/L		92
72)	Tetrachloroethene	9.062	164	2868	1.039	ug/L	#	84
73)	2-Hexanone	9.264	43	2808	0.624	ug/L		91
74)	1,3-Dichloropropane	9.130	76	5664	0.856	ug/L		94
75)	Dibromochloromethane	9.361	129	3000	0.810	ug/L		87
76)	N-Butyl Acetate	9.416	43	5130	0.629	ug/L		93
77)	1,2-Dibromoethane	9.459	107	3410	0.860	ug/L		92
78)	3-Chlorobenzotrifluoride	9.983	180	5329	1.005	ug/L		98
79)	Chlorobenzene	9.965	112	9653	0.912	ug/L		97
80)	4-Chlorobenzotrifluoride	10.038	180	3903	0.861	ug/L		85
81)	1,1,1,2-Tetrachloroethane	10.056	131	2984	0.933	ug/L		92
82)	Ethylbenzene	10.081	106	4781	0.905	ug/L		98
83)	(m+p)Xylene	10.202	106	11547	1.741	ug/L		100
84)	o-Xylene	10.568	106	5989	0.892	ug/L	#	74
85)	Styrene	10.587	104	9005	0.800	ug/L		94
86)	Bromoform	10.751	173	2064	0.806	ug/L		90
87)	2-Chlorobenzotrifluoride	10.830	180	5235	1.000	ug/L		99
88)	Isopropylbenzene	10.910	105	14596	0.869	ug/L		96
89)	Cyclohexanone	11.001	55	11277	8.986	ug/L		98
90)	trans-1,4-Dichloro-2-B...	11.245	53	1077	0.592	ug/L	#	72
92)	1,1,2,2-Tetrachloroethane	11.196	83	5500	0.959	ug/L		92
93)	Bromobenzene	11.166	156	4143	0.930	ug/L		95
94)	1,2,3-Trichloropropane	11.227	110	1895	0.982	ug/L	#	83
95)	n-Propylbenzene	11.275	91	16493	0.836	ug/L		92
96)	2-Chlorotoluene	11.342	91	10327	0.870	ug/L		97
97)	3-Chlorotoluene	11.397	91	9970	0.824	ug/L		98
98)	4-Chlorotoluene	11.440	91	12347	0.901	ug/L		92
99)	1,3,5-Trimethylbenzene	11.428	105	12125	0.862	ug/L		94
100)	tert-Butylbenzene	11.708	119	10306	0.878	ug/L		94
101)	1,2,4-Trimethylbenzene	11.751	105	11839	0.838	ug/L		98
102)	3,4-Dichlorobenzotrifl...	11.818	214	3845	0.961	ug/L		88
103)	sec-Butylbenzene	11.891	105	15135	0.892	ug/L		98

1st FJ 03/06/24
2nd WR 03/07/24

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

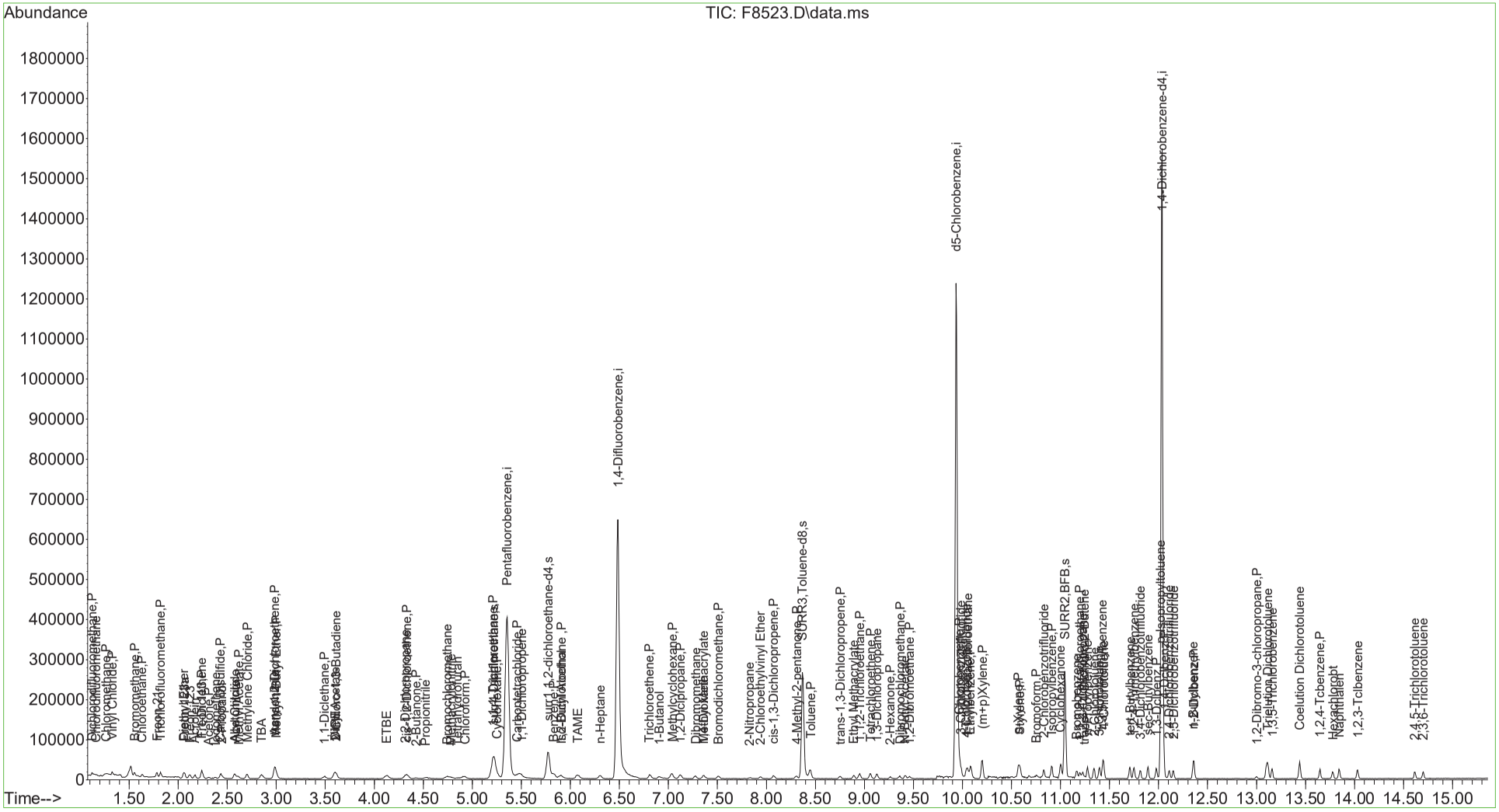
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104)	p-Isopropyltoluene	12.019	119	12729	0.891	ug/L		90
105)	1,3-Dclbenz	11.977	146	7606	0.943	ug/L		89
106)	1,4-Dclbenz	12.056	146	8471	0.959	ug/L		96
107)	2,4-Dichlorobenzotrifl...	12.111	214	3831	1.049	ug/L		96
108)	2,5-Dichlorobenzotrifl...	12.153	214	4061	0.994	ug/L		84
109)	n-Butylbenzene	12.354	91	10969	0.865	ug/L		94
110)	1,2-Dclbenz	12.361	146	7607	0.910	ug/L		95
111)	1,2-Dibromo-3-chloropr...	13.001	157	1067	0.813	ug/L	#	77
112)	Trielution Dichlorotol...	13.110	125	18314	2.690	ug/L		91
113)	1,3,5-Trichlorobenzene	13.159	180	5399	0.909	ug/L		89
114)	Coelution Dichlorotoluene	13.440	125	12812	1.712	ug/L		100
115)	1,2,4-Tcbenzene	13.647	180	5316	0.951	ug/L		95
116)	Hexachlorobt	13.775	225	2567	1.150	ug/L		98
117)	Naphthalen	13.842	128	13366	0.735	ug/L		96
118)	1,2,3-Tclbenzene	14.031	180	5202	0.934	ug/L		92
119)	2,4,5-Trichlorotoluene	14.616	159	3181	0.836	ug/L		94
120)	2,3,6-Trichlorotoluene	14.702	159	3018	0.843	ug/L		97

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

Quantitation Report (QT Reviewed)

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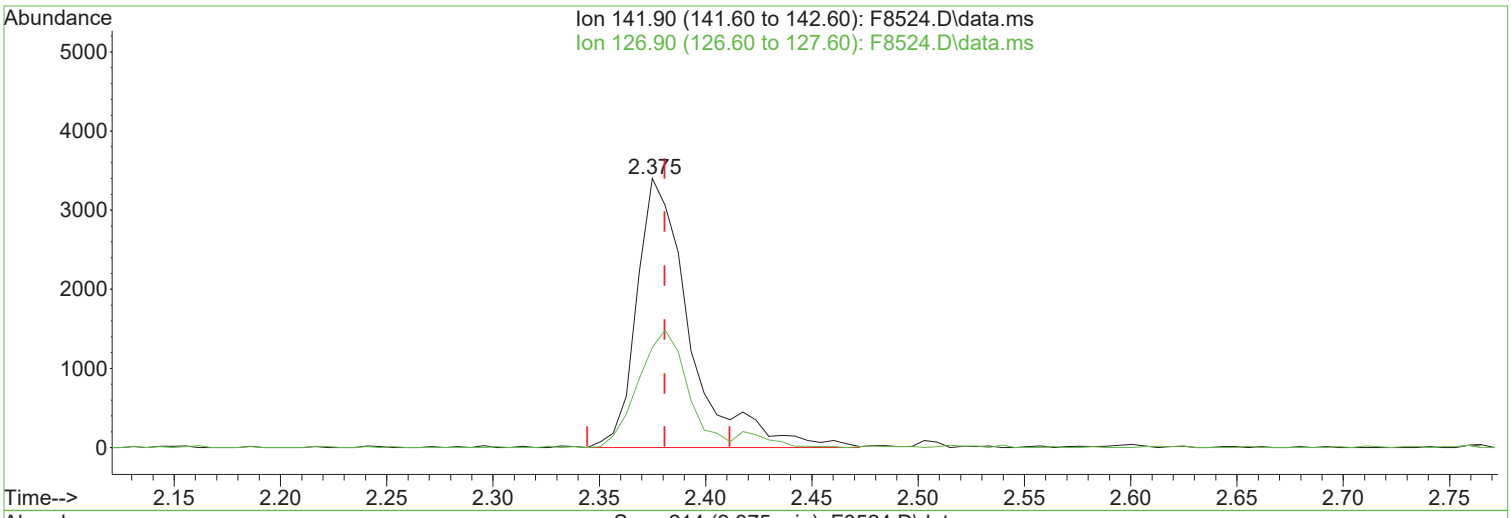


1st FNJ 03/06/24
2nd 03/07/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
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TIC: F8524.D\data.ms

(18) Iodomethane

2.375min (-0.006) 1.37 ug/L m

response 5947

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	46.80	37.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

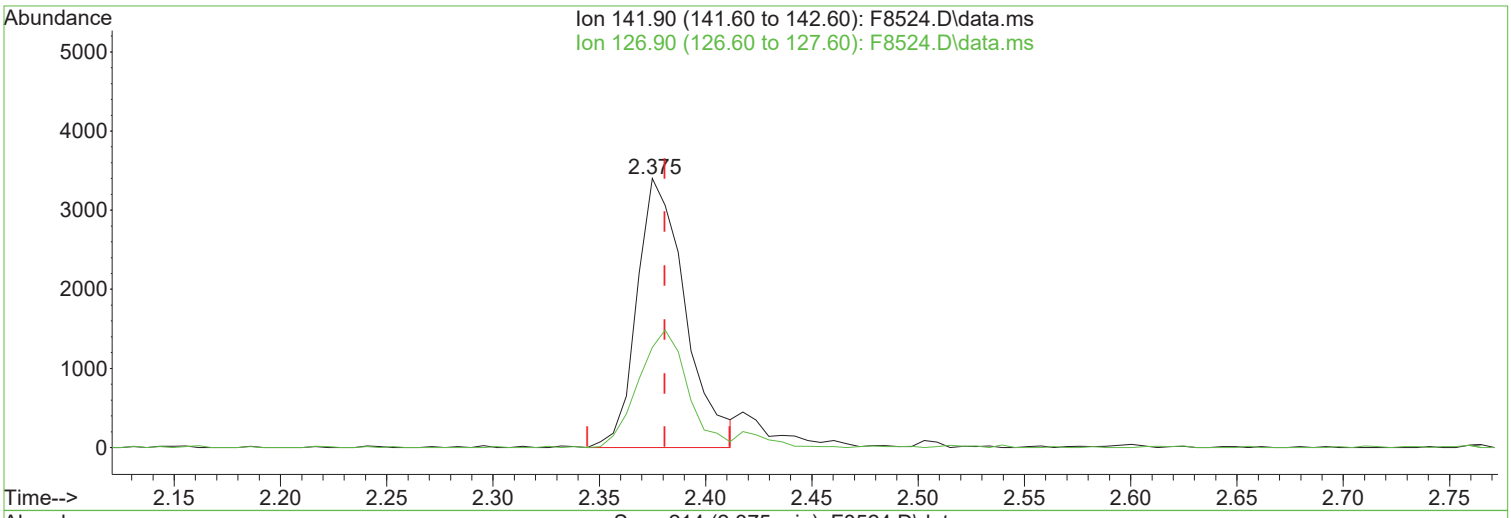
Poor integration.

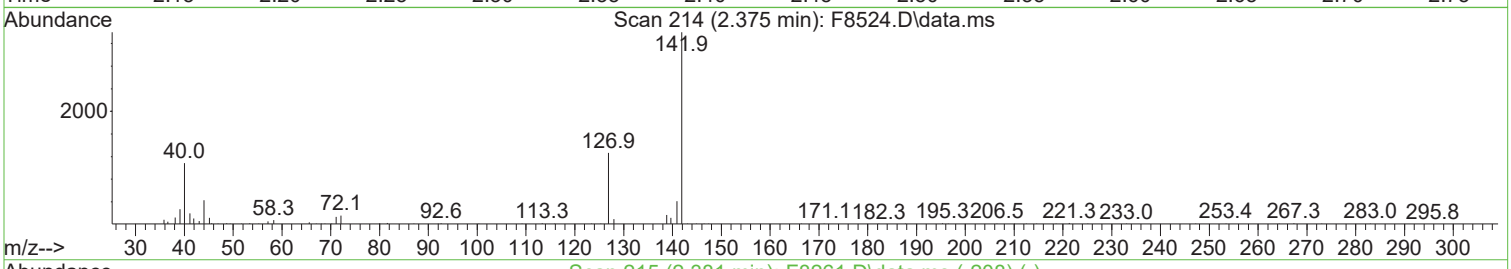
03/06/24

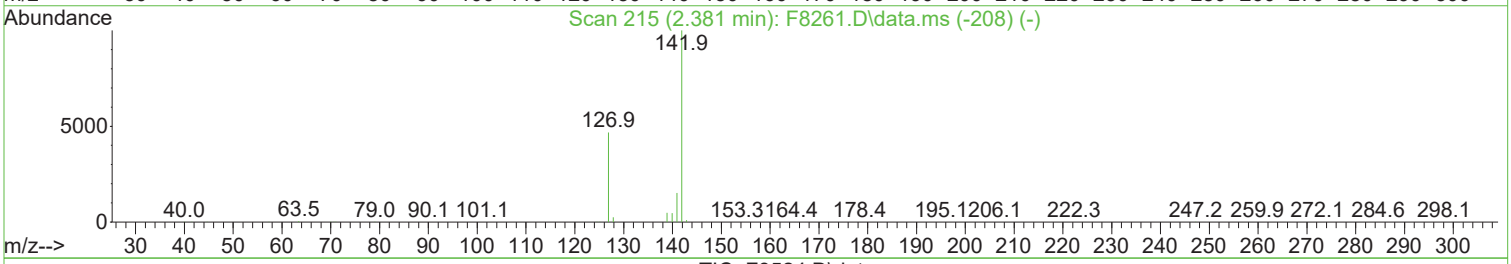
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TIC: F8524.D\data.ms

(18) Iodomethane

2.375min (-0.006) 1.24 ug/L

response 5384

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	46.80	37.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

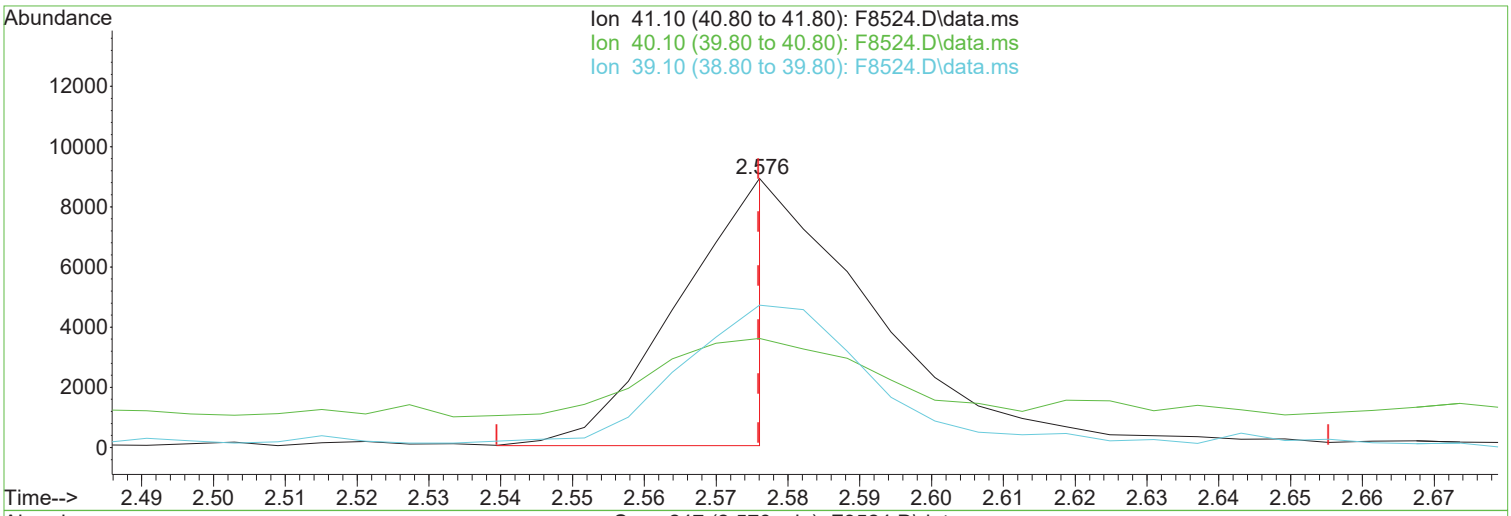
Before

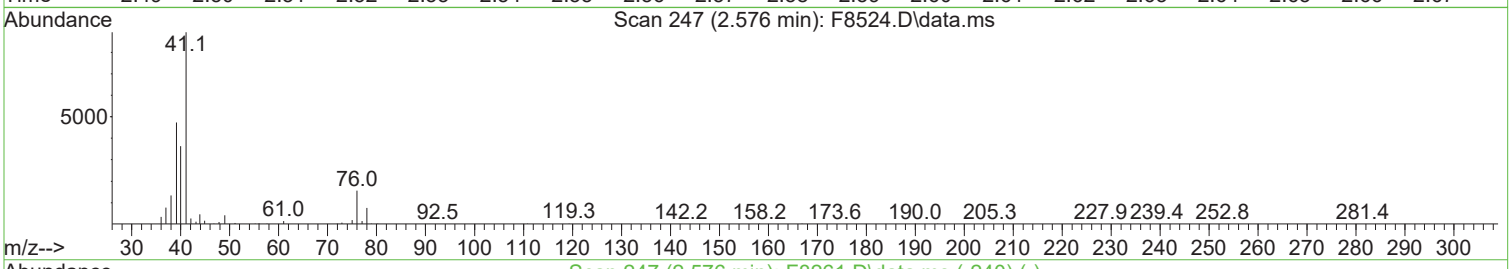
03/06/24

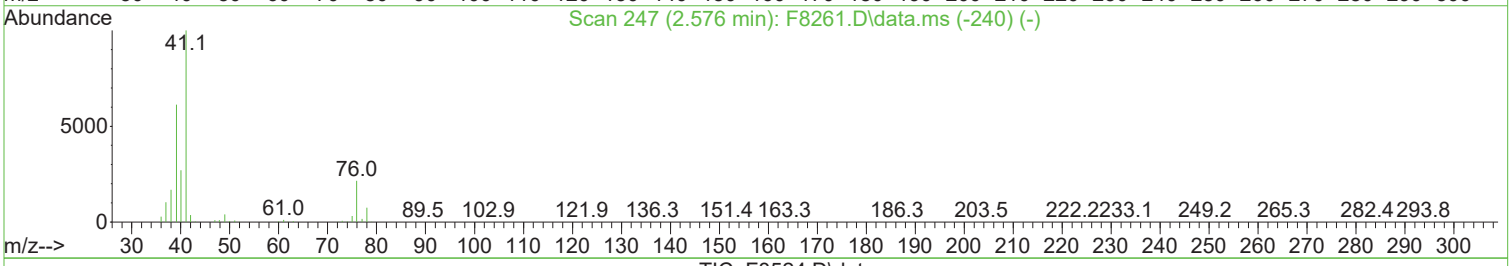
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TIC: F8524.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 8.24 ug/L m

response 8425

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	40.59
39.10	61.30	52.95
0.00	0.00	0.00

Manual Integration:

After

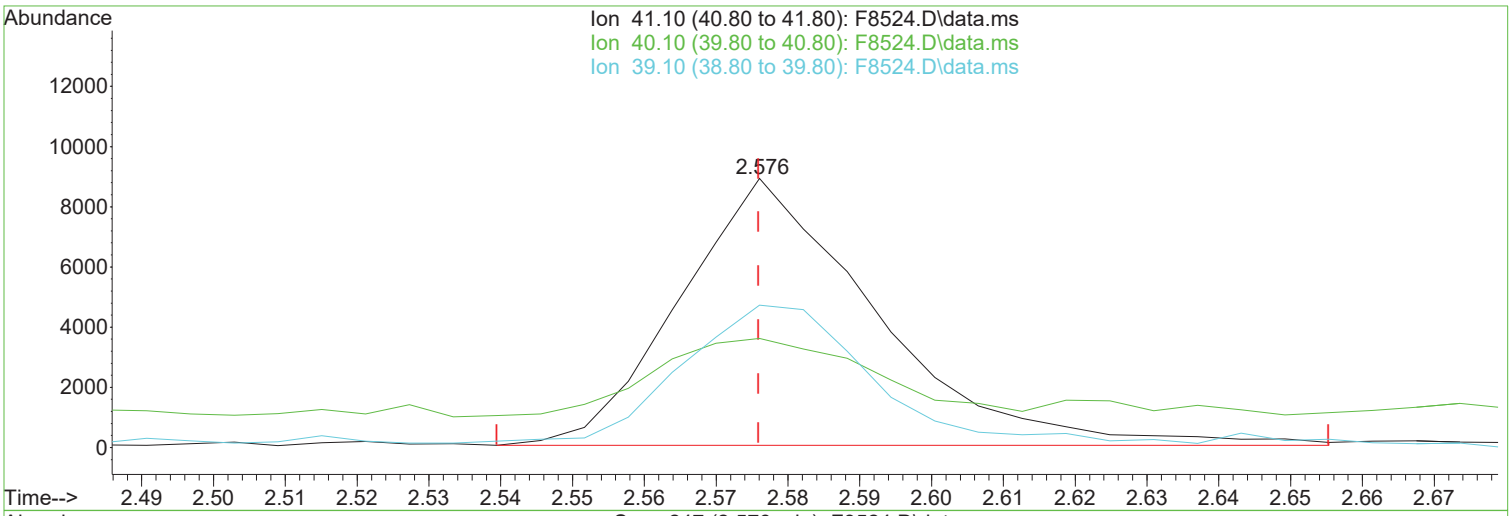
Poor integration.

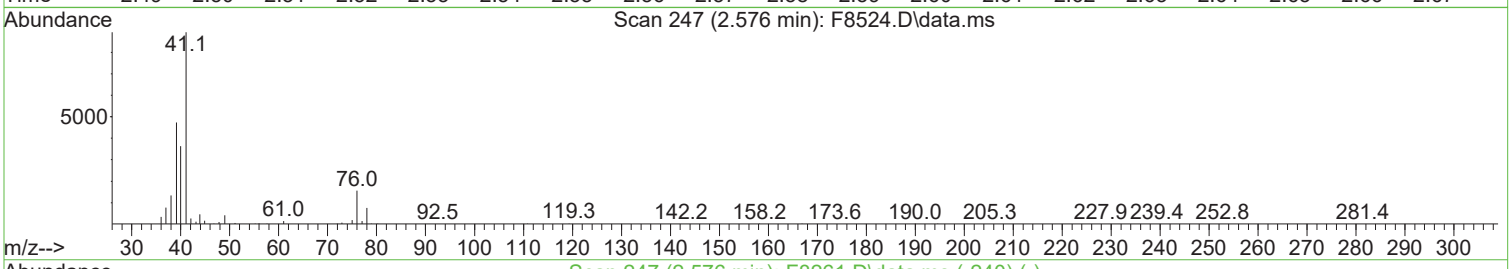
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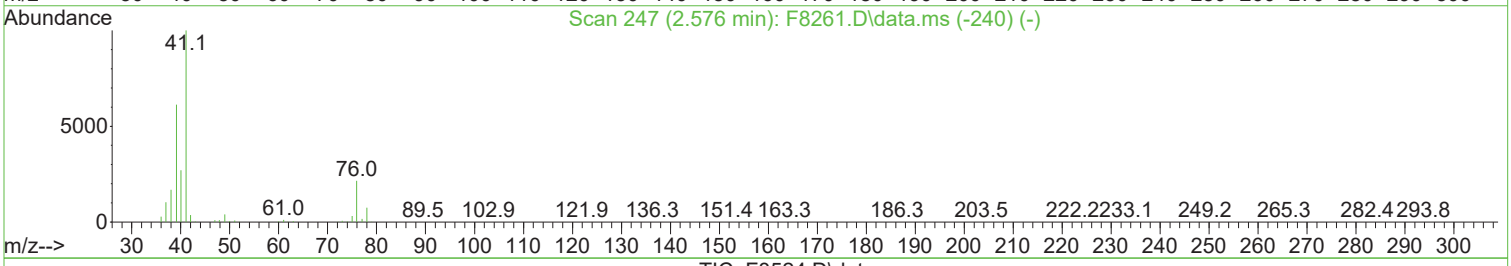
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TIC: F8524.D\data.ms

(20) Acetonitrile **Manual Integration:**

2.576min (+ 0.000) 16.51 ug/L **Before**

response 16890

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	40.59
39.10	61.30	52.95
0.00	0.00	0.00

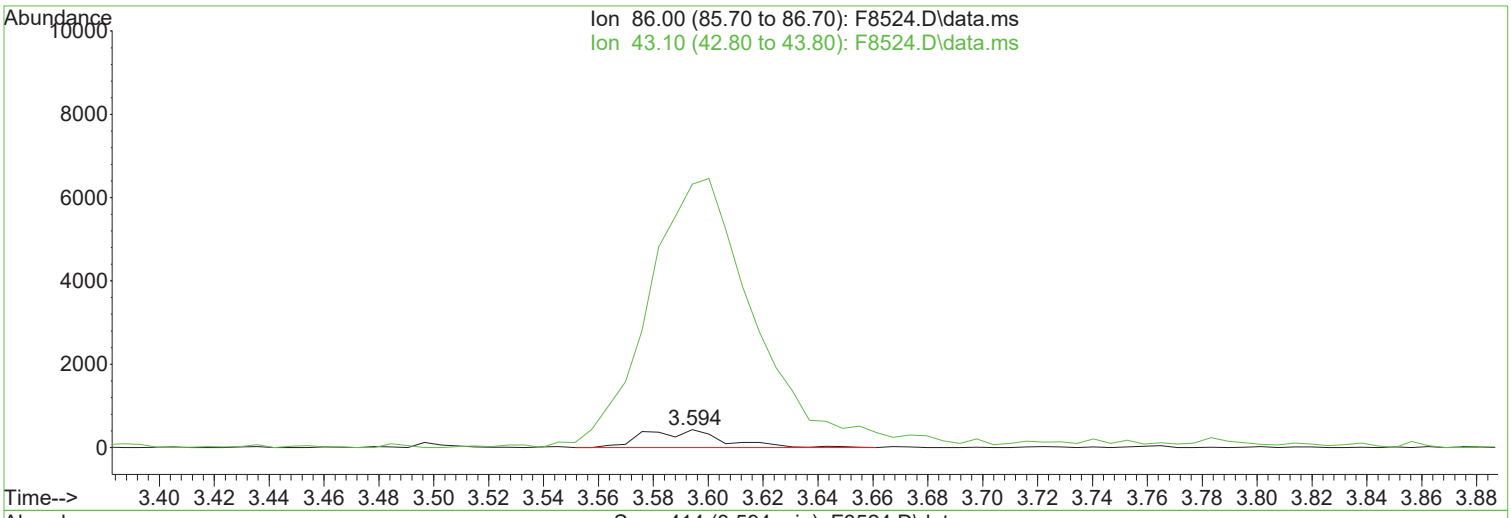
03/06/24

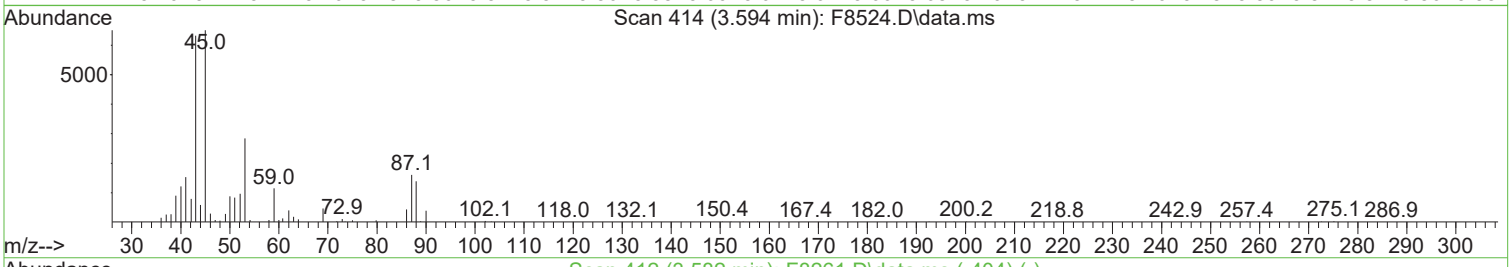
1st FN 03/06/24
2nd MR 03/07/24

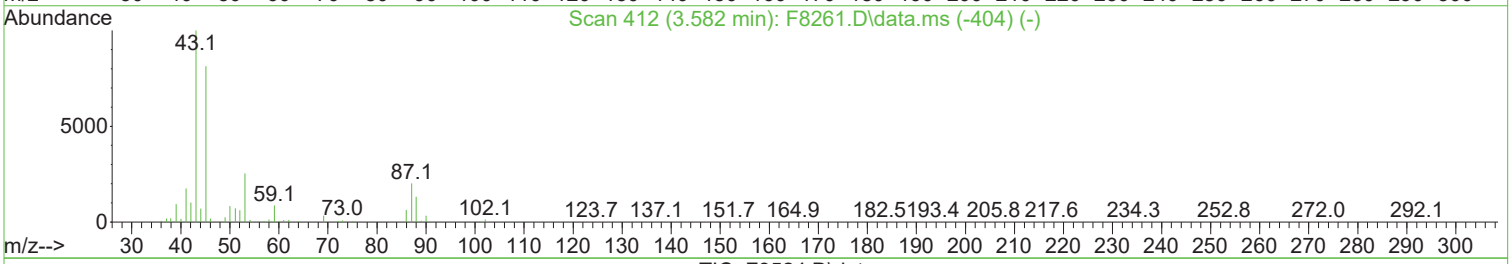
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(29) Vinyl Acetate

3.594min (+ 0.012) 1.60 ug/L m

response 870

Ion	Exp%	Act%
86.00	100.00	100.00
43.10	1593.30	1473.89#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

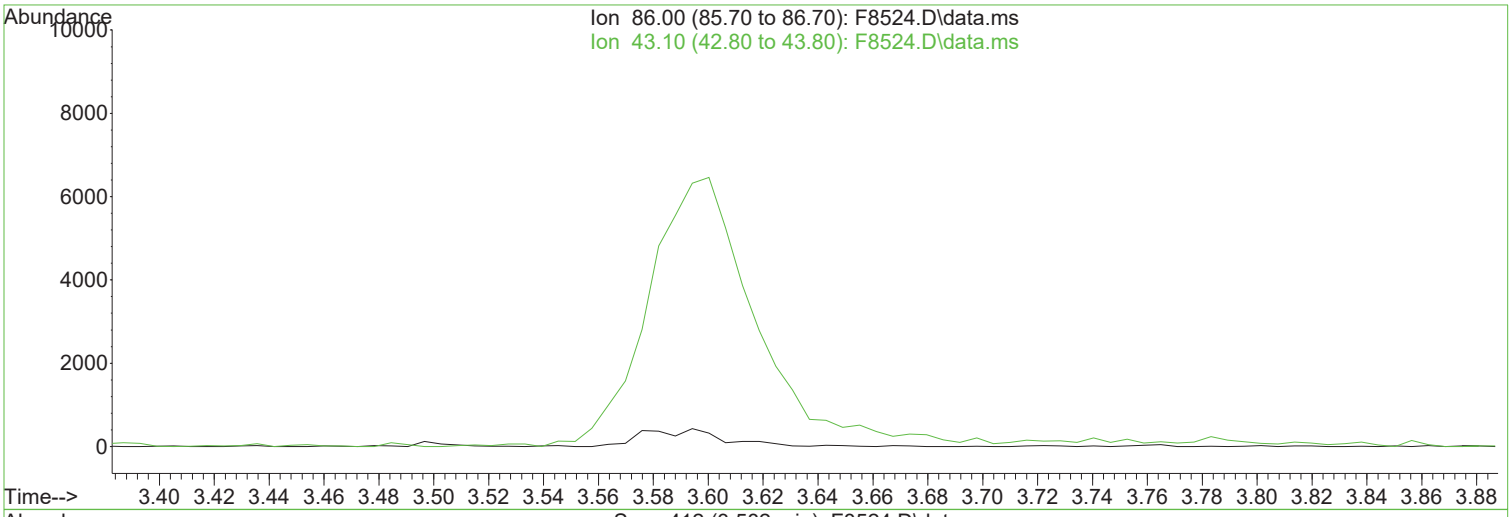
Peak not found.

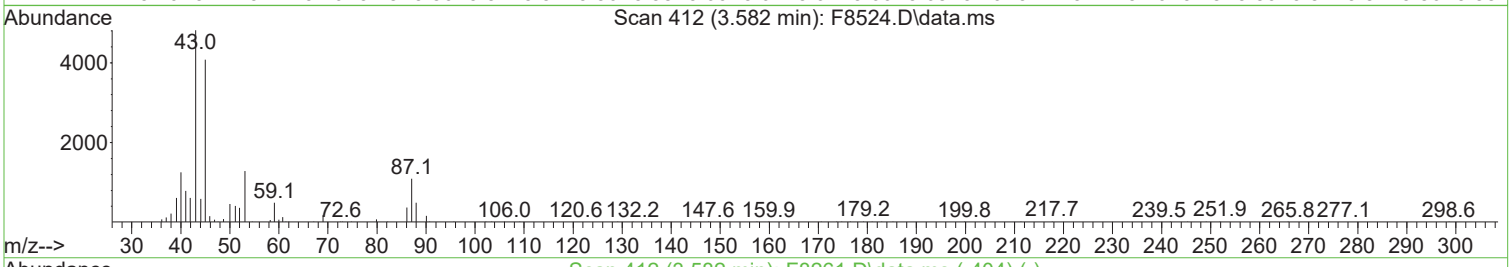
03/06/24

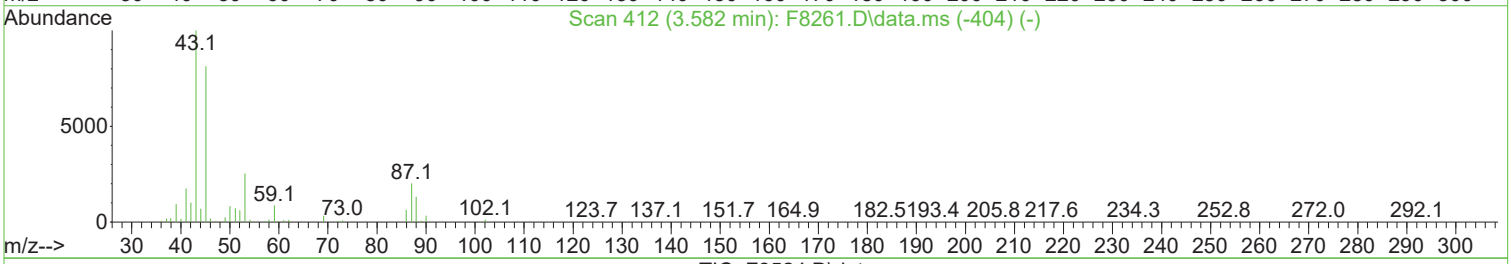
Quantitation Report (Qedit)

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Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(29) Vinyl Acetate **Manual Integration:**

3.582min (-3.582) 0.00 ug/L **Before**

response 0

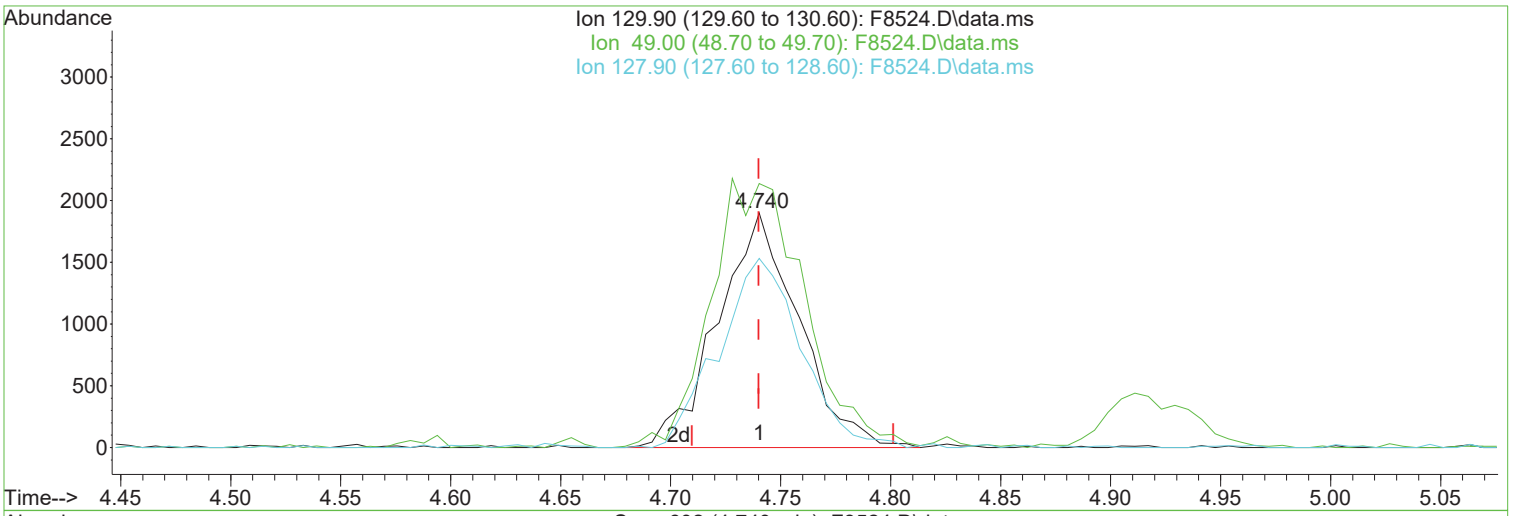
Ion	Exp%	Act%
86.00	100.00	0.00
43.10	1593.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

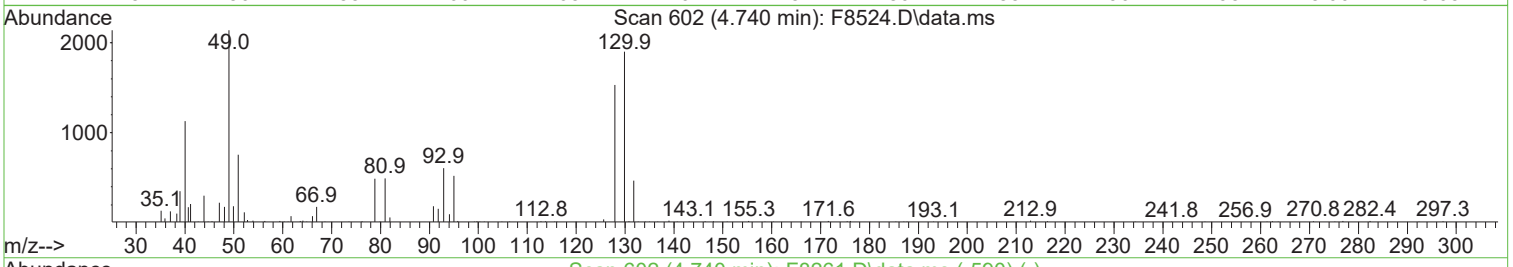
03/06/24

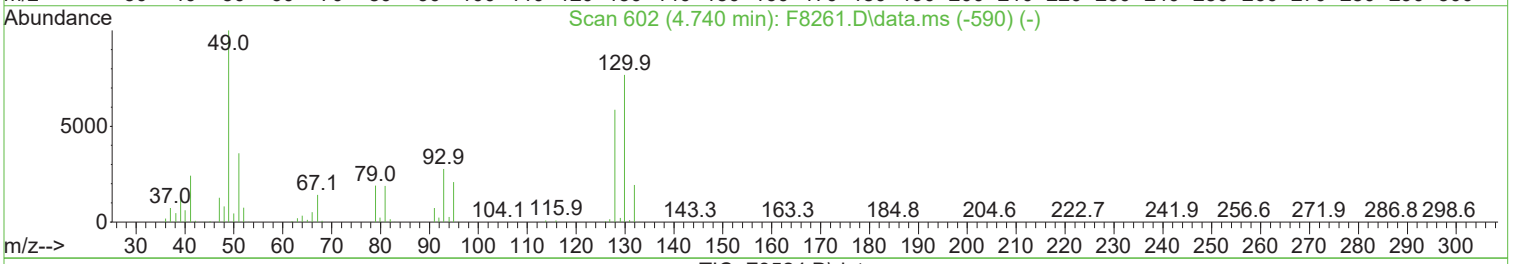
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(37) Bromochloromethane

4.740min (+ 0.000) 1.79 ug/L m

response 4872

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	130.40	112.58
127.90	76.40	80.63
0.00	0.00	0.00

Manual Integration:

After

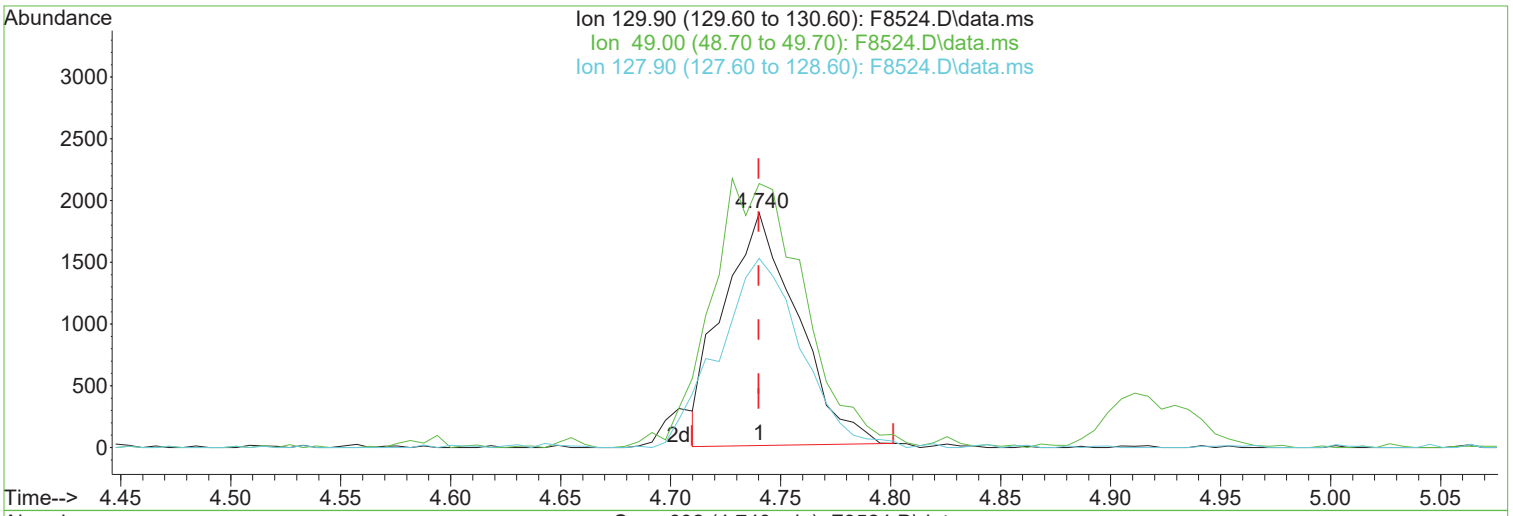
Poor integration.

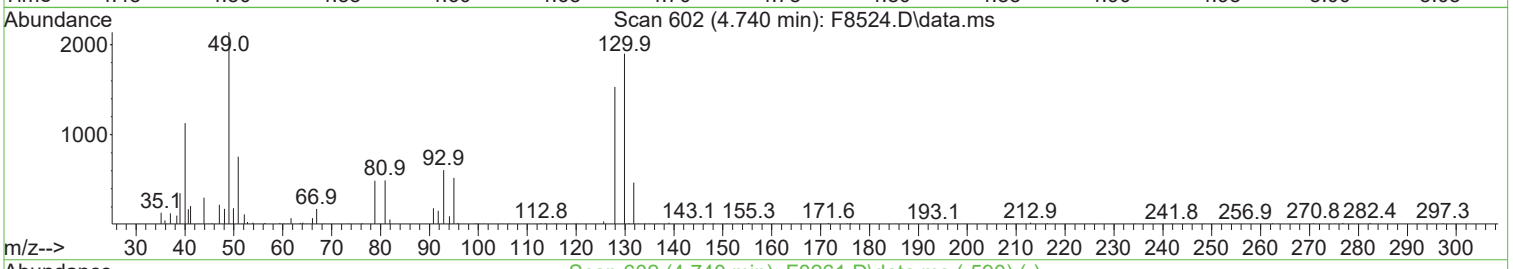
03/06/24

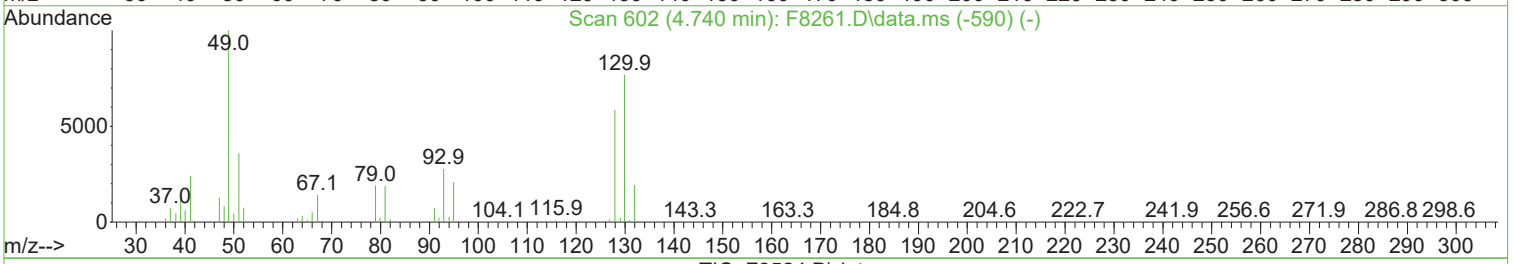
Quantitation Report (Qedit)

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Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(37) Bromochloromethane

4.740min (+ 0.000) 1.63 ug/L

response 4423

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	130.40	112.58
127.90	76.40	80.63
0.00	0.00	0.00

Manual Integration:

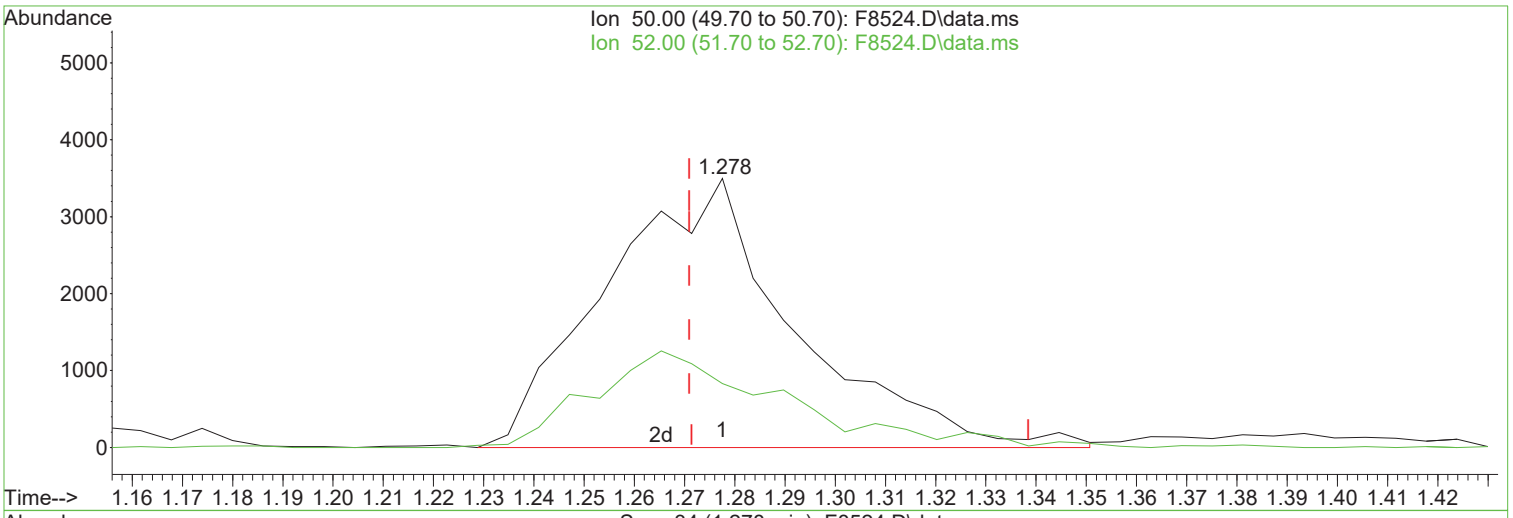
Before

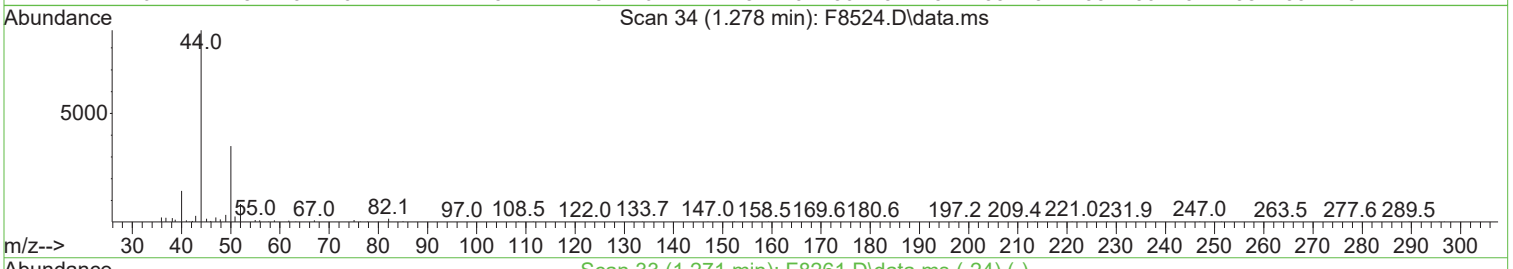
03/06/24

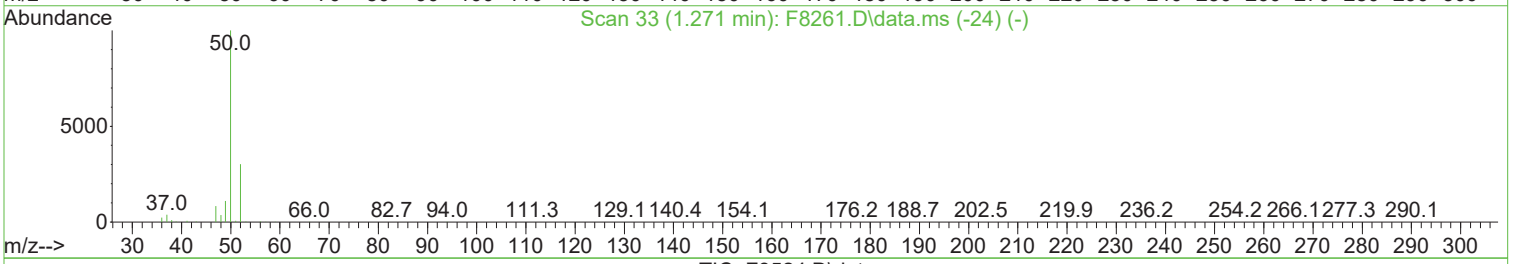
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(4) Chloromethane (P)

1.278min (+ 0.007) 2.00 ug/L m

response 9217

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	30.30	23.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

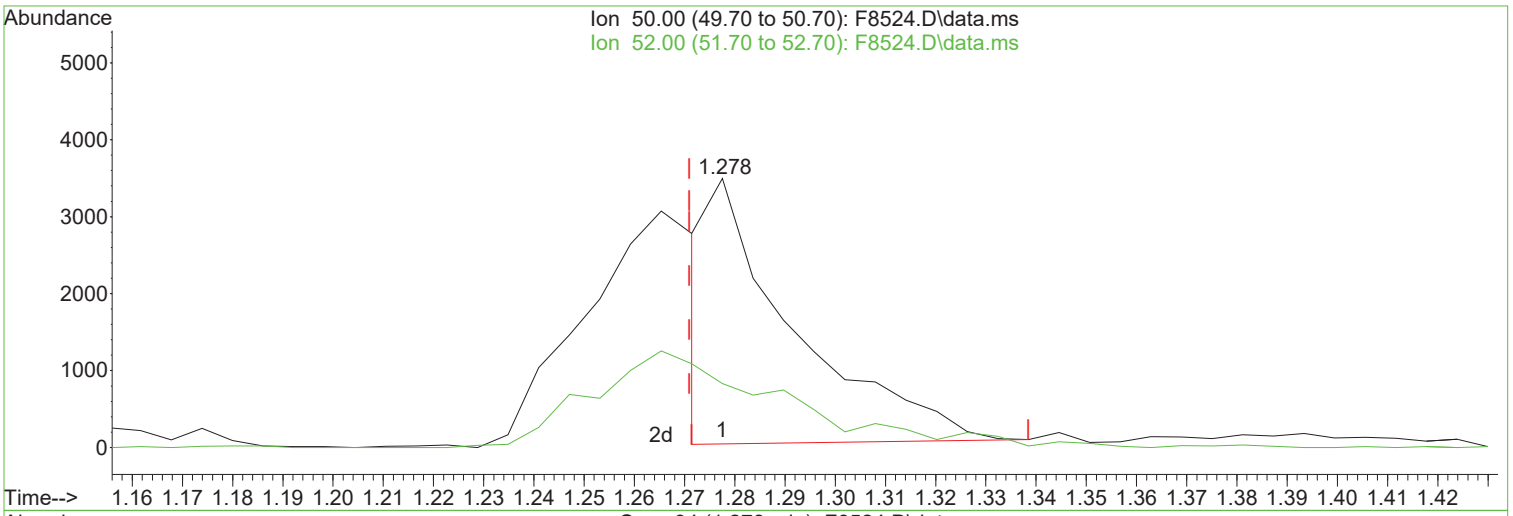
Poor integration.

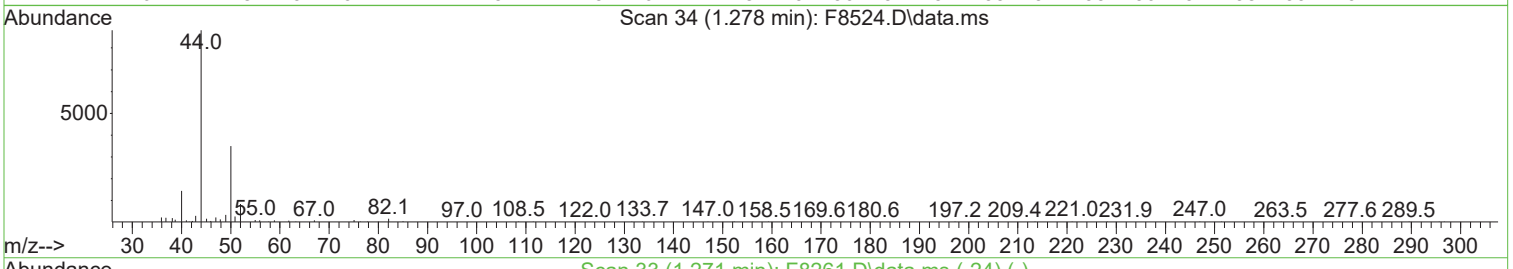
03/06/24

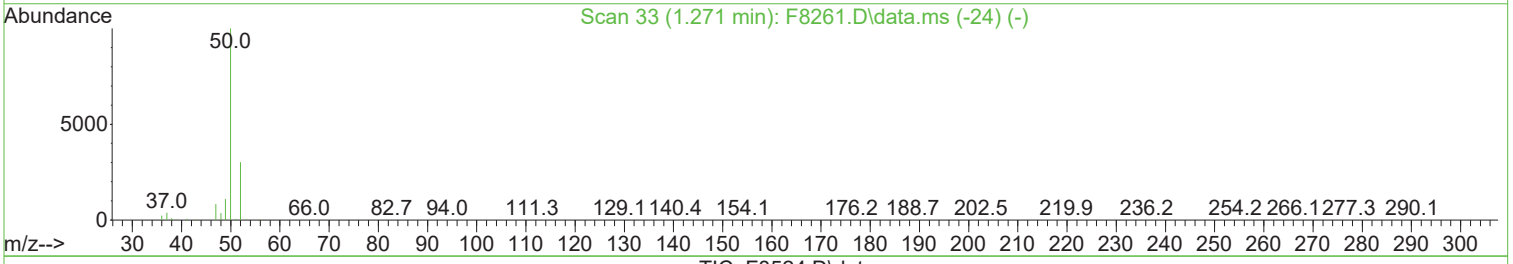
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(4) Chloromethane (P)

1.278min (+ 0.007) 0.88 ug/L

response 4045

Ion	Exp%	Act%
50.00	100.00	100.00
52.00	30.30	23.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

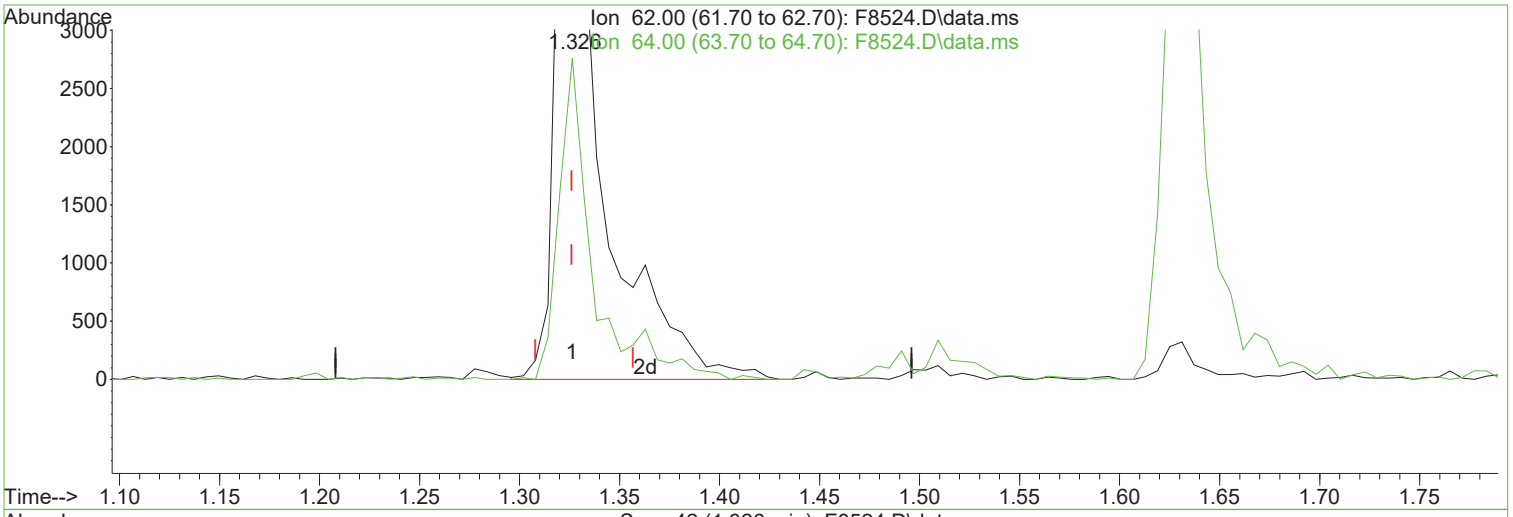
Before

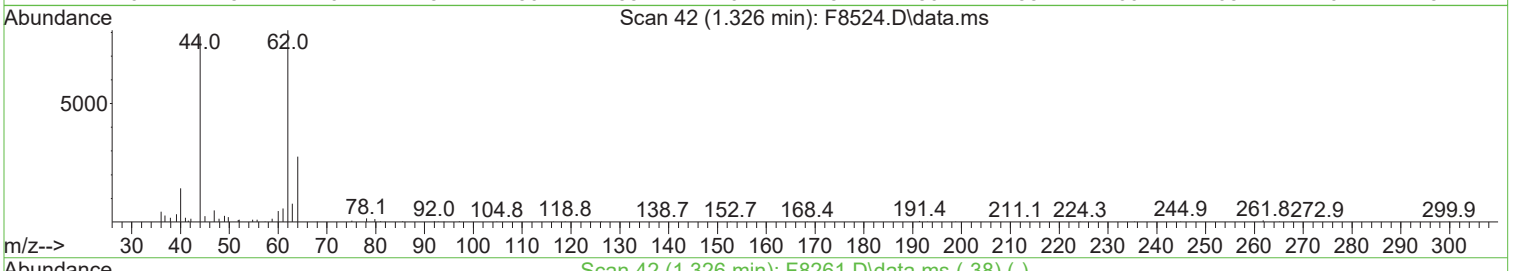
03/06/24

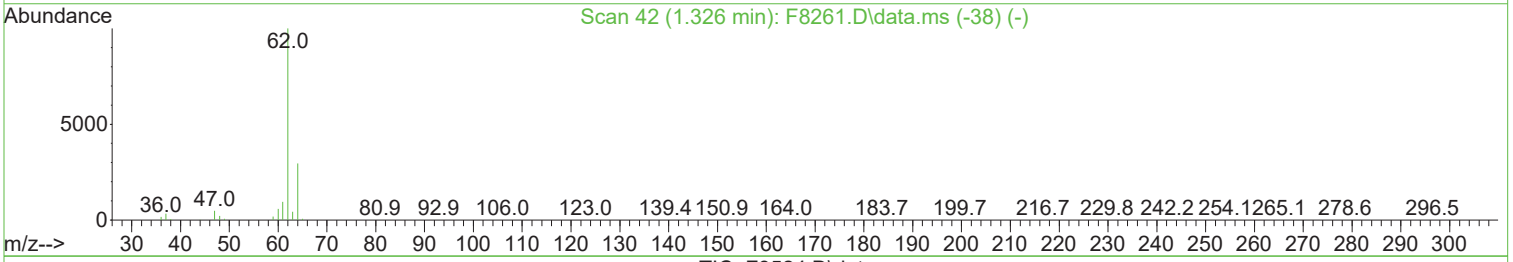
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(5) Vinyl Chloride (P)

1.326min (+ 0.000) 1.91 ug/L m

response 9366

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	29.60	34.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

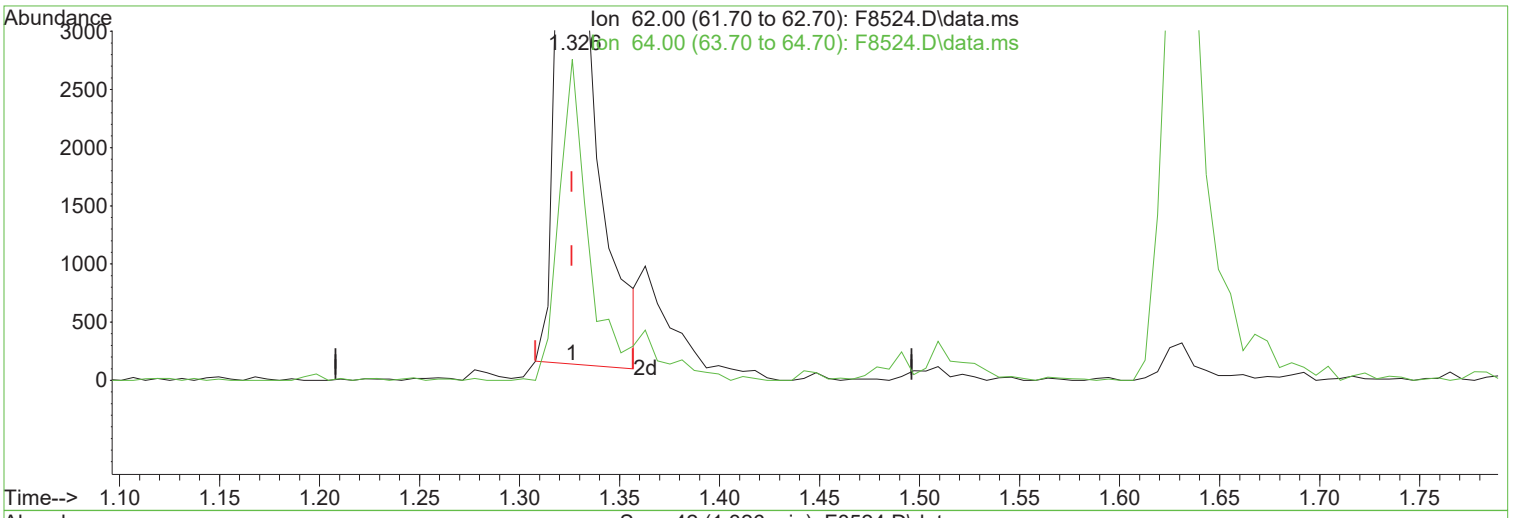
03/06/24

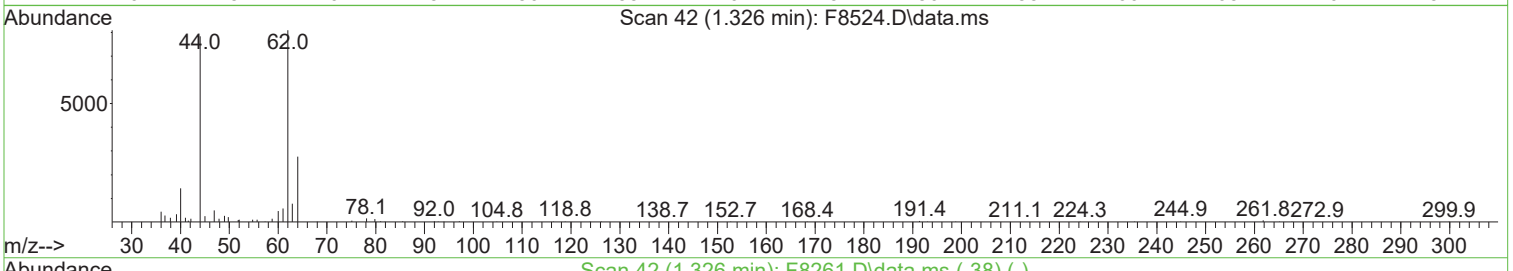
1st FN 03/06/24
2nd MR 03/07/24

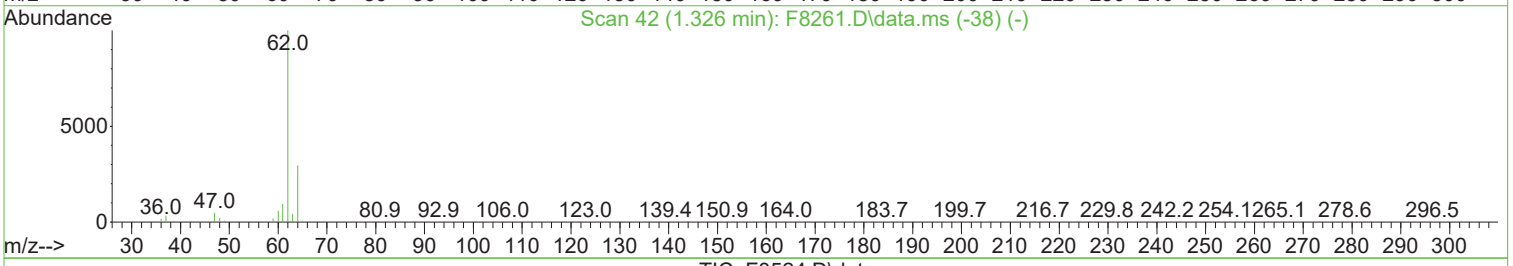
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(5) Vinyl Chloride (P)

1.326min (+ 0.000) 1.58 ug/L

response 7720

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	29.60	34.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

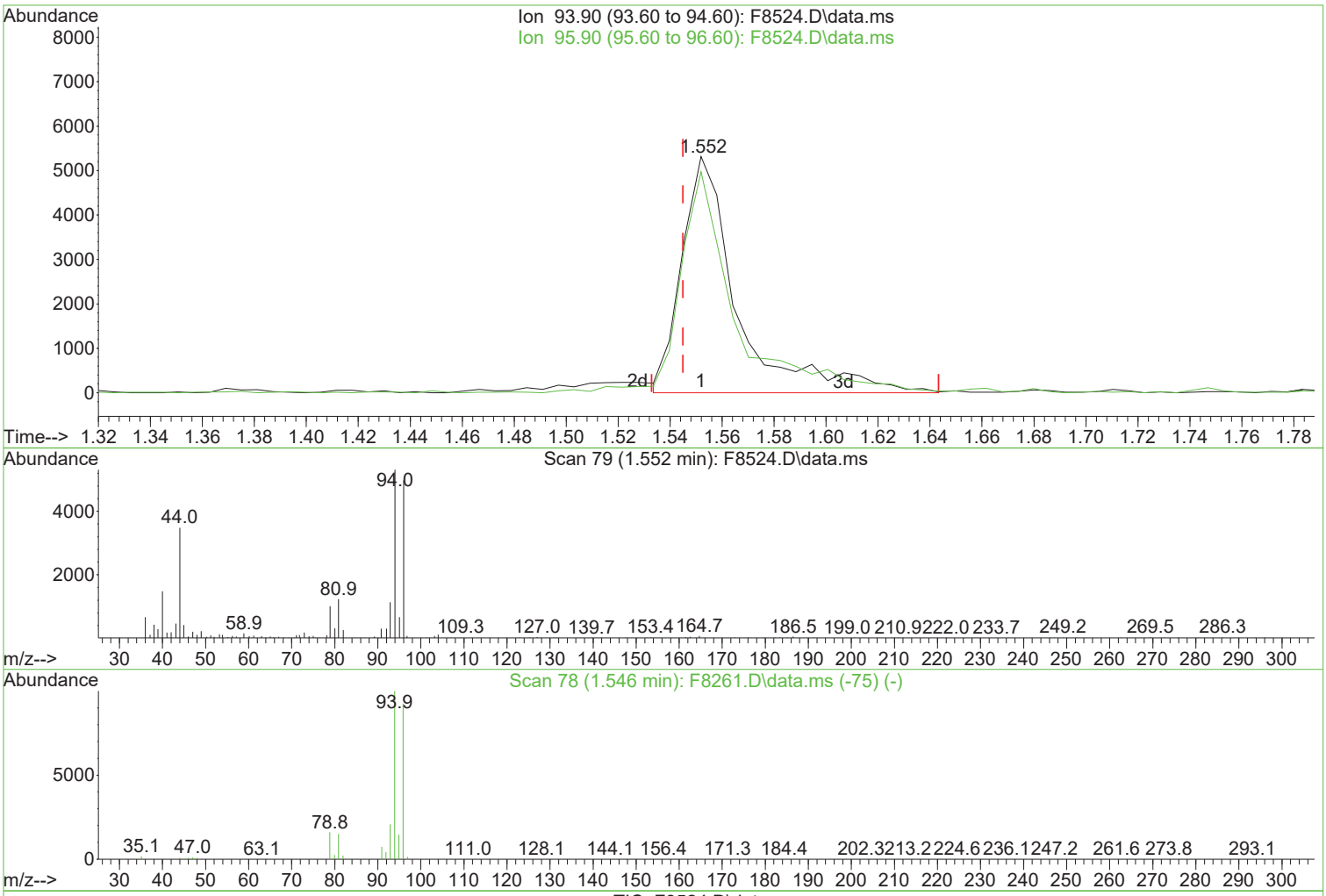
Before

03/06/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration



TIC: F8524.D\data.ms

(6) Bromomethane (P)

1.552min (+ 0.007) 1.51 ug/L m

response 7892

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.30	93.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

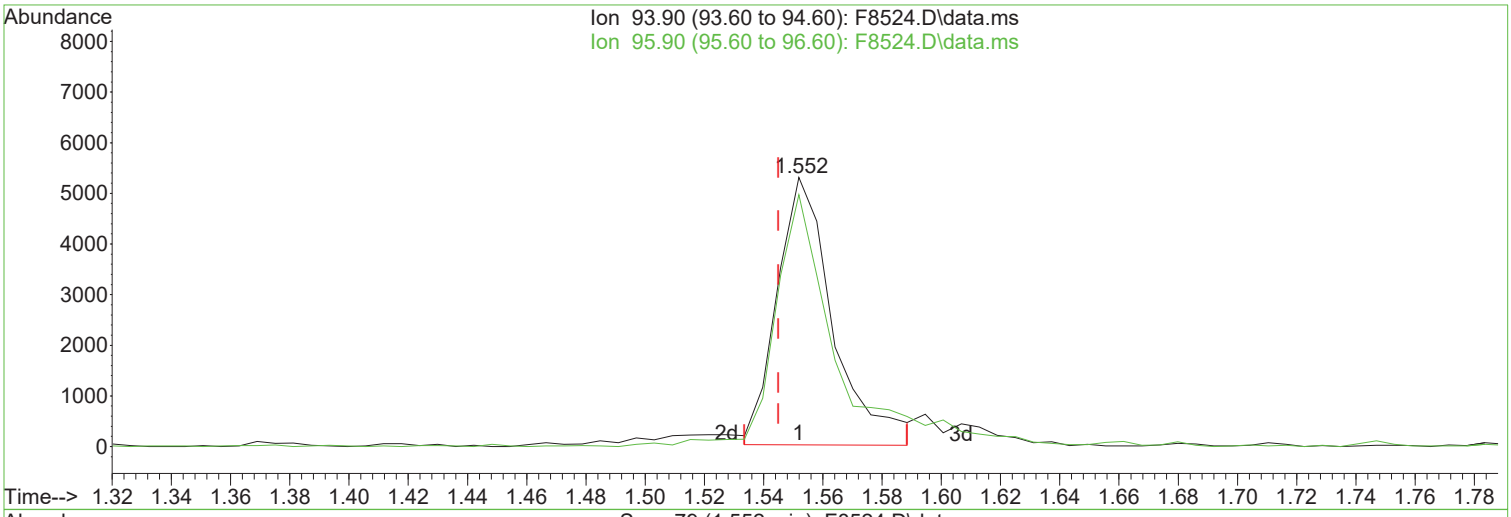
Poor integration.

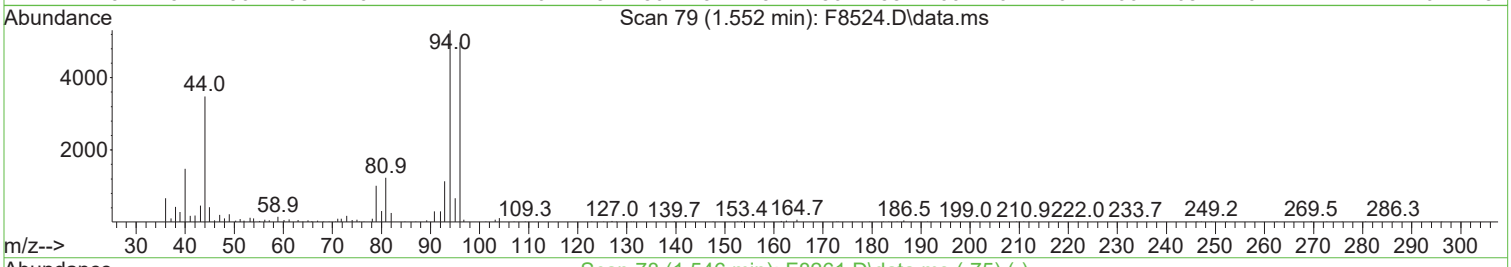
03/06/24

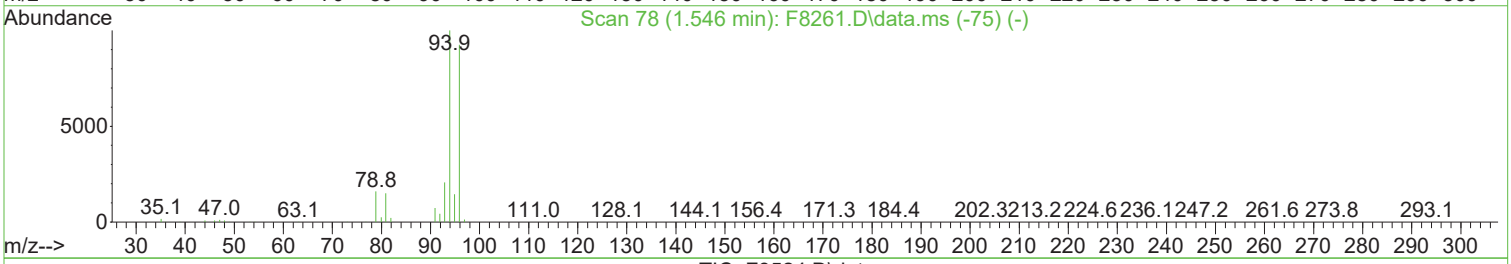
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8524.D\data.ms

(6) Bromomethane (P)

1.552min (+ 0.007) 1.33 ug/L

response 6938

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.30	93.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

1st FNJ 03/06/24
2nd WR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	403778	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	621597	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	564814	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	303934	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.222	113	44533	11.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 22.34%#			
48) surr1,1,2-dichloroetha...	5.777	65	58275	11.14	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 22.28%#			
65) SURR3,Toluene-d8	8.368	98	170930	10.55	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.10%#			
70) SURR2,BFB	11.044	95	62690	10.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 20.36%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.150	51	7250	2.161	ug/L	88
3) Dichlorodifluoromethane	1.119	85	7439	1.761	ug/L	90
4) Chloromethane	1.278	50	9217m	2.002	ug/L	
5) Vinyl Chloride	1.326	62	9366m	1.911	ug/L	
6) Bromomethane	1.552	94	7892m	1.508	ug/L	
7) Chloroethane	1.631	64	6796	1.539	ug/L	100
8) Freon 21	1.784	67	14061	1.726	ug/L	96
9) Trichlorofluoromethane	1.820	101	10813	1.677	ug/L	97
10) Diethyl Ether	2.052	59	6549	1.728	ug/L	89
11) Freon 123a	2.064	67	7657	1.715	ug/L	96
12) Freon 123	2.119	83	9232	1.983	ug/L	89
13) Acrolein	2.168	56	10153	11.410	ug/L	100
14) 1,1-Diclethene	2.241	96	5667	1.962	ug/L #	84
15) Freon 113	2.247	101	5844	2.017	ug/L	91
16) Acetone	2.308	43	4873	2.035	ug/L	93
17) 2-Propanol	2.448	45	12825	33.308	ug/L	90
18) Iodomethane	2.375	142	5947m	1.367	ug/L	
19) Carbon Disulfide	2.430	76	14720	1.655	ug/L	97
20) Acetonitrile	2.576	41	8425m	8.238	ug/L	
21) Allyl Chloride	2.582	76	2760	1.562	ug/L #	89
22) Methyl Acetate	2.613	43	11984	2.029	ug/L	96
23) Methylene Chloride	2.704	84	7782	1.981	ug/L	88
24) TBA	2.850	59	20481	30.561	ug/L	73
25) Acrylonitrile	2.985	53	20786	9.418	ug/L	98
26) Methyl-t-Butyl Ether	2.997	73	21815	1.727	ug/L	96
27) trans-1,2-Dichloroethene	2.985	96	6522	1.882	ug/L #	83
28) 1,1-Diclethane	3.490	63	11833	1.801	ug/L	96
29) Vinyl Acetate	3.594	86	870m	1.604	ug/L	
30) DIPE	3.600	45	18807	1.569	ug/L	92
31) 2-Chloro-1,3-Butadiene	3.606	53	9478	1.540	ug/L	83
32) ETBE	4.125	59	17646	1.557	ug/L	94
33) 2,2-Dichloropropane	4.314	77	6924	1.494	ug/L	94
34) cis-1,2-Dichloroethene	4.332	96	7363	1.790	ug/L	98
35) 2-Butanone	4.429	43	5684	1.745	ug/L	93
36) Propionitrile	4.521	54	8710	8.930	ug/L	81
37) Bromochloromethane	4.740	130	4872m	1.792	ug/L	
38) Methacrylonitrile	4.777	67	3937	1.650	ug/L	94
39) Tetrahydrofuran	4.850	42	3948	1.826	ug/L	93
40) Chloroform	4.917	83	12273	1.793	ug/L	85

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8524.D
Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	1,1,1-Trichloroethane	5.197	97	8157	1.516	ug/L		95
42)	TAME	6.075	73	16282	1.462	ug/L		88
44)	Cyclohexane	5.258	41	6677	1.869	ug/L		89
46)	Carbontetrachloride	5.478	117	7407	1.934	ug/L	#	82
47)	1,1-Dichloropropene	5.496	75	7789	1.721	ug/L		92
49)	Benzene	5.825	78	25025	1.801	ug/L		95
50)	1,2-Dichloroethane	5.905	62	10624	1.744	ug/L		94
51)	Iso-Butyl Alcohol	5.917	43	6757	25.138	ug/L		88
52)	n-Heptane	6.307	43	7236	1.732	ug/L		97
53)	1-Butanol	6.904	56	6889	44.610	ug/L		94
54)	Trichloroethene	6.813	130	7074	1.899	ug/L		90
55)	Methylcyclohexane	7.039	55	8008	1.824	ug/L		85
56)	1,2-Diclpropane	7.124	63	6429	1.683	ug/L		98
57)	Dibromomethane	7.270	93	5239	1.843	ug/L		84
58)	1,4-Dioxane	7.362	88	3318	36.005	ug/L		96
59)	Methyl Methacrylate	7.362	69	5395	1.561	ug/L		95
60)	Bromodichloromethane	7.508	83	8164	1.675	ug/L		97
61)	2-Nitropropane	7.831	41	2807	2.221	ug/L		92
62)	2-Chloroethylvinyl Ether	7.941	63	3817	1.484	ug/L		95
63)	cis-1,3-Dichloropropene	8.069	75	7649	1.389	ug/L		92
64)	4-Methyl-2-pentanone	8.307	43	10222	1.641	ug/L		97
66)	Toluene	8.447	91	28018	1.760	ug/L		95
67)	trans-1,3-Dichloropropene	8.752	75	6205	1.236	ug/L		95
68)	Ethyl Methacrylate	8.892	69	7922	1.364	ug/L		96
69)	1,1,2-Trichloroethane	8.953	97	6815	1.753	ug/L		94
72)	Tetrachloroethene	9.063	164	5136	1.911	ug/L		94
73)	2-Hexanone	9.264	43	6448	1.472	ug/L		94
74)	1,3-Dichloropropane	9.130	76	12571	1.952	ug/L		98
75)	Dibromochloromethane	9.361	129	5571	1.545	ug/L		94
76)	N-Butyl Acetate	9.416	43	10931	1.376	ug/L		98
77)	1,2-Dibromoethane	9.465	107	6448	1.671	ug/L		85
78)	3-Chlorobenzotrifluoride	9.983	180	8780	1.702	ug/L		96
79)	Chlorobenzene	9.965	112	19674	1.910	ug/L		98
80)	4-Chlorobenzotrifluoride	10.044	180	8844	2.003	ug/L		95
81)	1,1,1,2-Tetrachloroethane	10.056	131	5036	1.618	ug/L		89
82)	Ethylbenzene	10.087	106	9134	1.776	ug/L		97
83)	(m+p)Xylene	10.203	106	23480	3.636	ug/L		96
84)	o-Xylene	10.568	106	11150	1.705	ug/L		97
85)	Styrene	10.587	104	18857	1.721	ug/L		97
86)	Bromoform	10.751	173	3508	1.408	ug/L		100
87)	2-Chlorobenzotrifluoride	10.831	180	9602	1.885	ug/L		89
88)	Isopropylbenzene	10.910	105	27595	1.688	ug/L		97
89)	Cyclohexanone	11.001	55	23385	19.144	ug/L		94
90)	trans-1,4-Dichloro-2-B...	11.251	53	1939	1.096	ug/L		85
92)	1,1,2,2-Tetrachloroethane	11.196	83	10295	1.822	ug/L		94
93)	Bromobenzene	11.166	156	7919	1.805	ug/L		94
94)	1,2,3-Trichloropropane	11.227	110	4010	2.108	ug/L	#	79
95)	n-Propylbenzene	11.276	91	34545	1.778	ug/L		98
96)	2-Chlorotoluene	11.343	91	20844	1.782	ug/L		96
97)	3-Chlorotoluene	11.398	91	20524	1.721	ug/L		96
98)	4-Chlorotoluene	11.440	91	24526	1.817	ug/L		95
99)	1,3,5-Trimethylbenzene	11.434	105	23402	1.689	ug/L		97
100)	tert-Butylbenzene	11.708	119	19942	1.725	ug/L		91
101)	1,2,4-Trimethylbenzene	11.751	105	22891	1.644	ug/L		96
102)	3,4-Dichlorobenzotrifl...	11.812	214	7113	1.804	ug/L		89
103)	sec-Butylbenzene	11.891	105	28302	1.692	ug/L		96

1st FJ 03/06/24
2nd WR 03/07/24

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Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 06 14:20:28 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

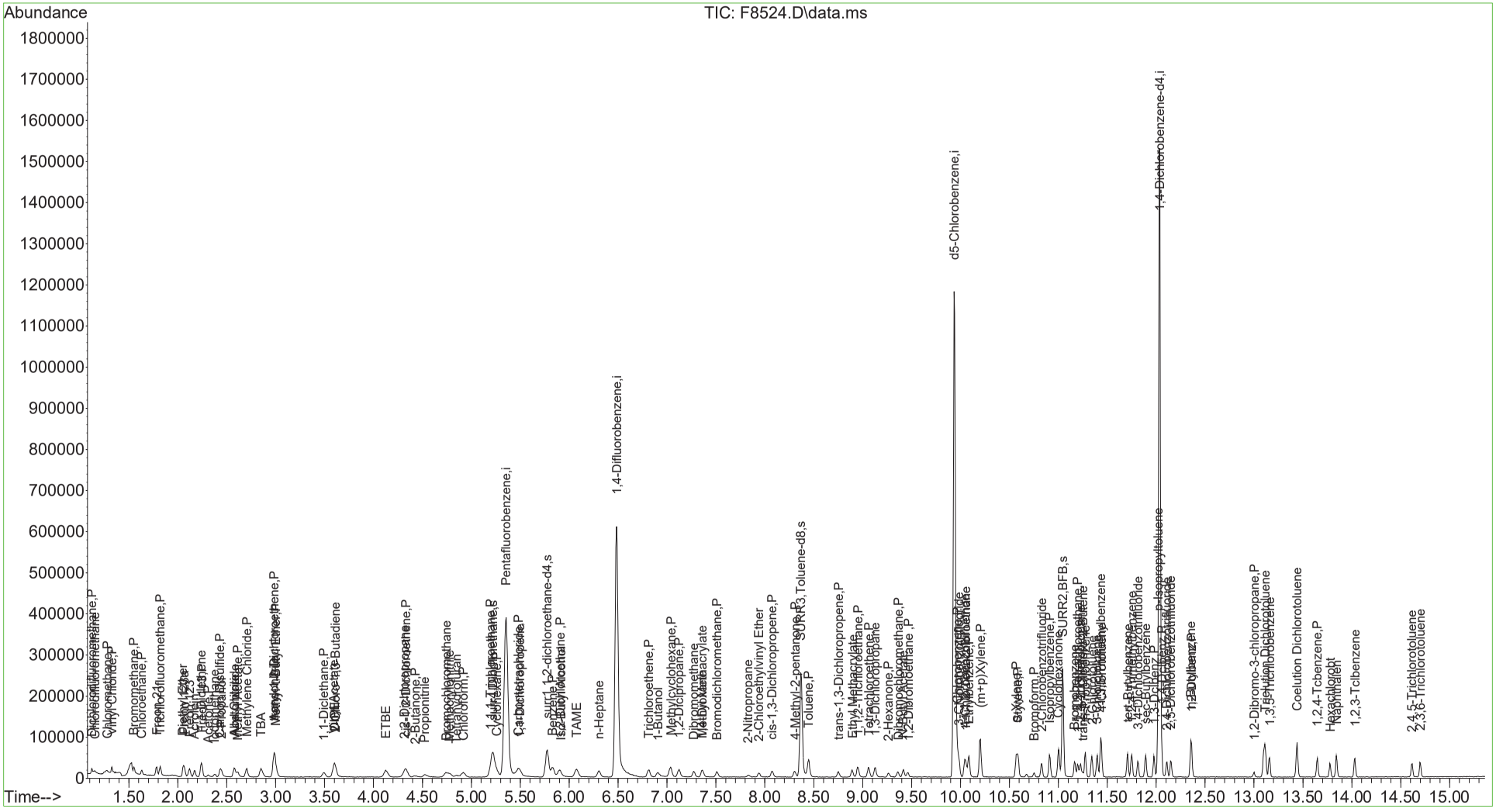
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.019	119	24438	1.737	ug/L	97
105) 1,3-Dclbenz	11.977	146	14942	1.880	ug/L	99
106) 1,4-Dclbenz	12.056	146	15544	1.787	ug/L	90
107) 2,4-Dichlorobenzotrifl...	12.111	214	7217	2.007	ug/L	94
108) 2,5-Dichlorobenzotrifl...	12.147	214	8110	2.016	ug/L	96
109) n-Butylbenzene	12.355	91	22380	1.791	ug/L	96
110) 1,2-Dclbenz	12.361	146	15707	1.907	ug/L	94
111) 1,2-Dibromo-3-chloropr...	13.001	157	2067	1.598	ug/L	86
112) Trielution Dichlorotol...	13.111	125	35303	5.265	ug/L	100
113) 1,3,5-Trichlorobenzene	13.159	180	11500	1.965	ug/L	96
114) Coelution Dichlorotoluene	13.440	125	25209	3.420	ug/L	98
115) 1,2,4-Tcbenzene	13.647	180	10802	1.962	ug/L	93
116) Hexachlorobt	13.775	225	4547	2.068	ug/L	95
117) Naphthalen	13.842	128	31018	1.731	ug/L	98
118) 1,2,3-Tclbenzene	14.031	180	11177	2.036	ug/L	84
119) 2,4,5-Trichlorotoluene	14.616	159	6430	1.716	ug/L	94
120) 2,3,6-Trichlorotoluene	14.696	159	6308	1.788	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
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Acq On : 05 Mar 2024 11:58 am
Operator : F.NAEGLER
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Misc :
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Quant Time: Mar 06 14:20:28 2024
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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

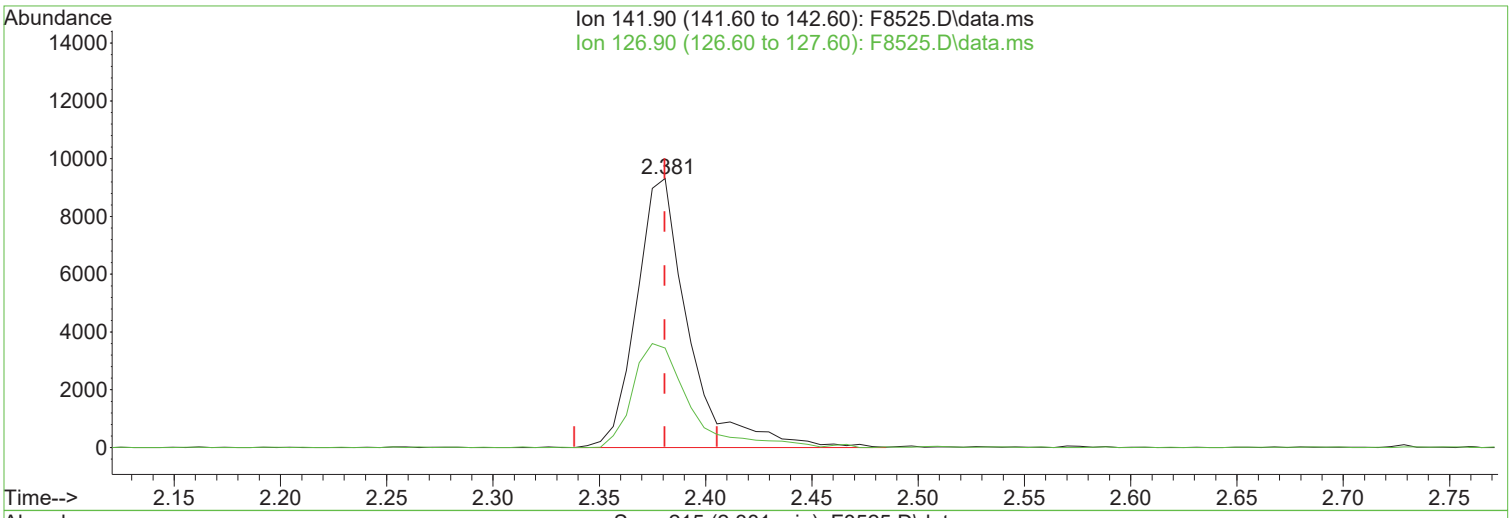


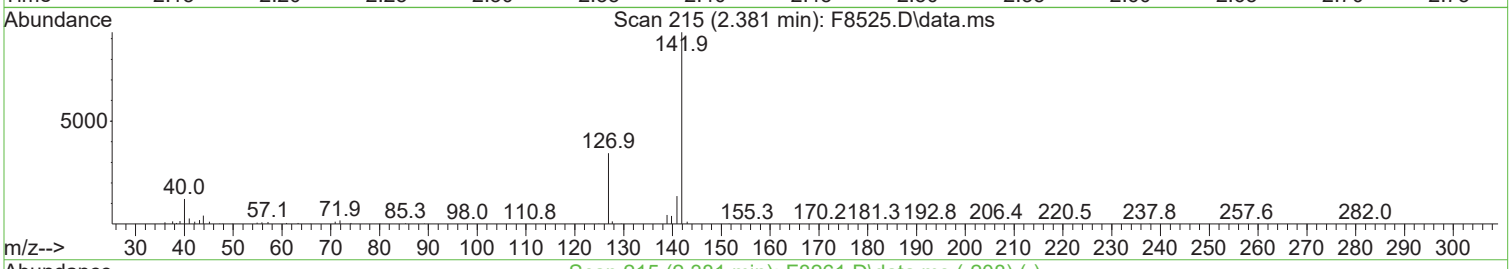
1st 03/06/24
2nd 03/07/24

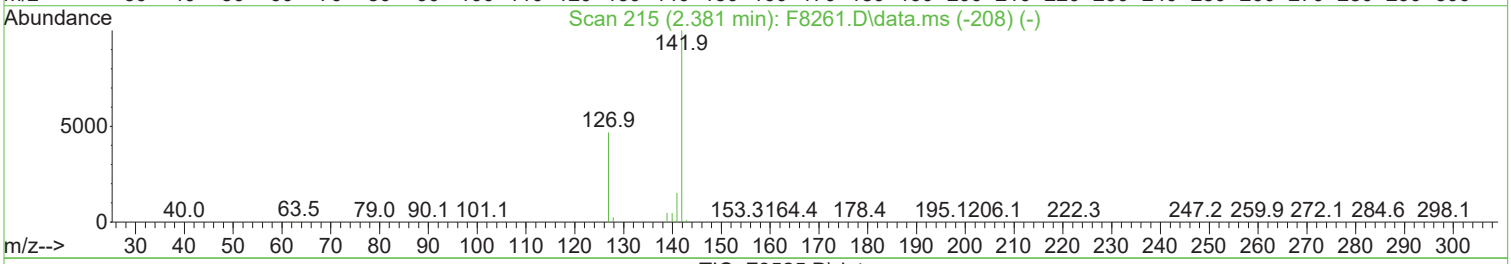
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8525.D
Acq On : 05 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 06 14:23:33 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8525.D\data.ms

(18) Iodomethane

2.381min (+ 0.000) 3.63 ug/L m

response 16011

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	46.80	36.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

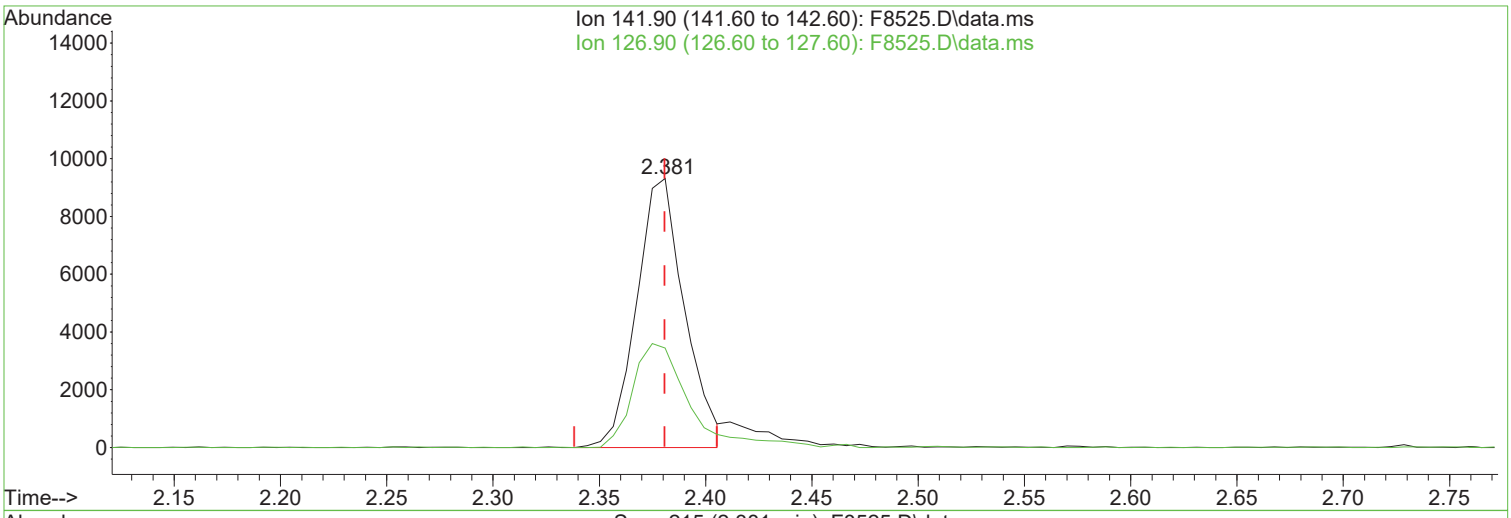
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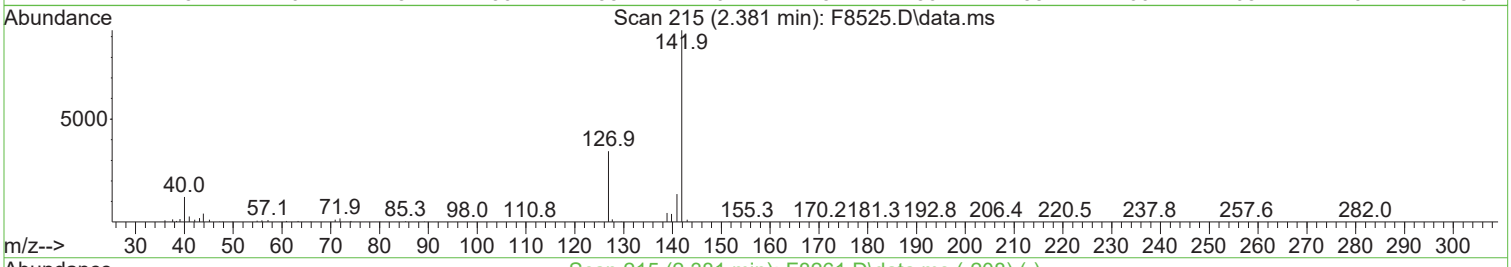
03/06/24

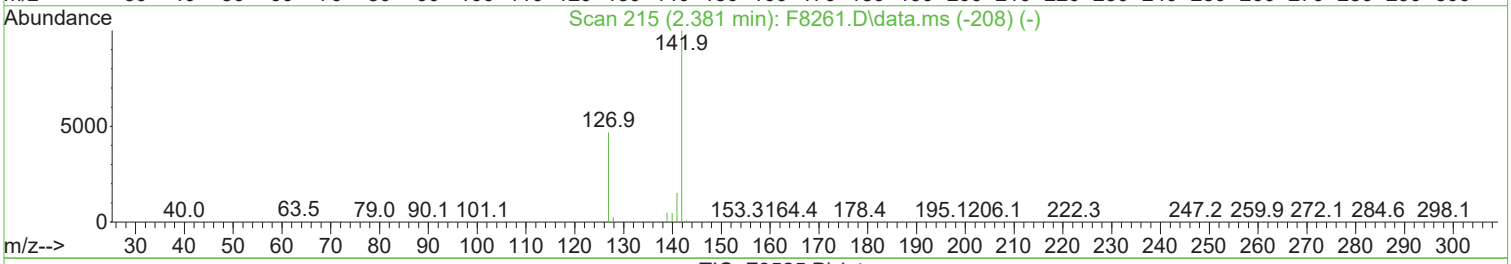
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8525.D
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Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 06 14:23:33 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8525.D\data.ms

(18) Iodomethane

2.381min (+ 0.000) 3.31 ug/L

response 14569

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	46.80	36.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

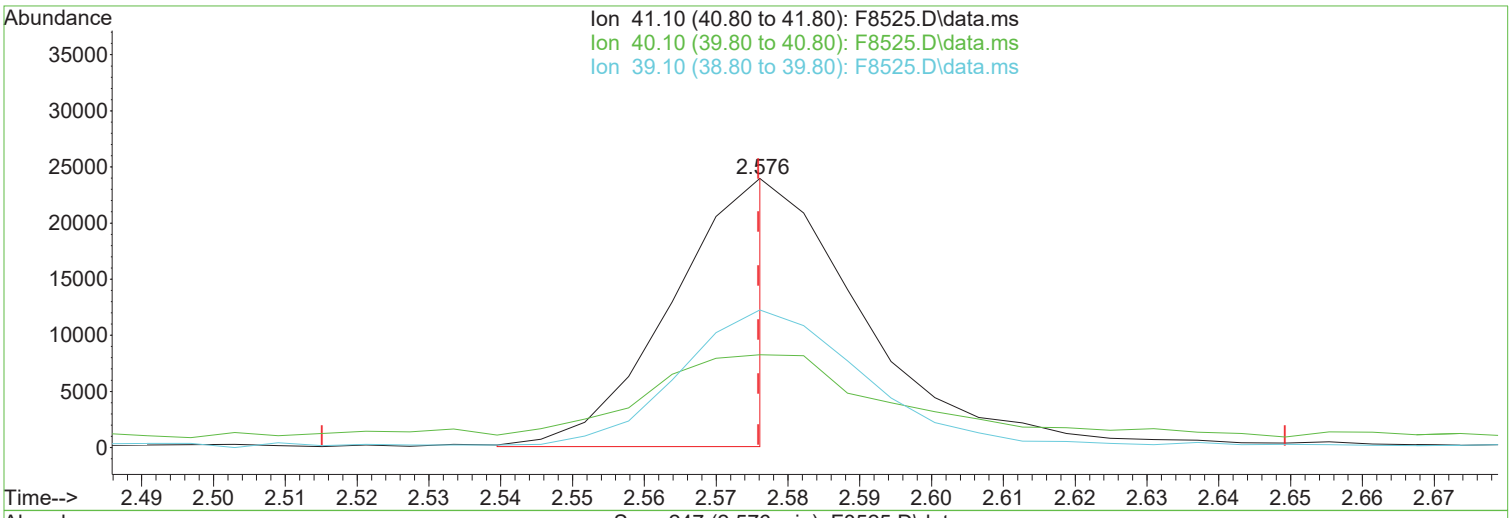
Before

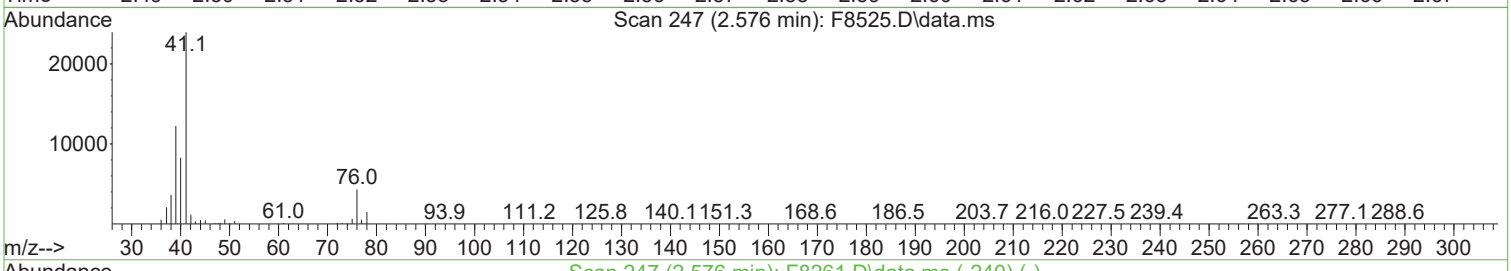
03/06/24

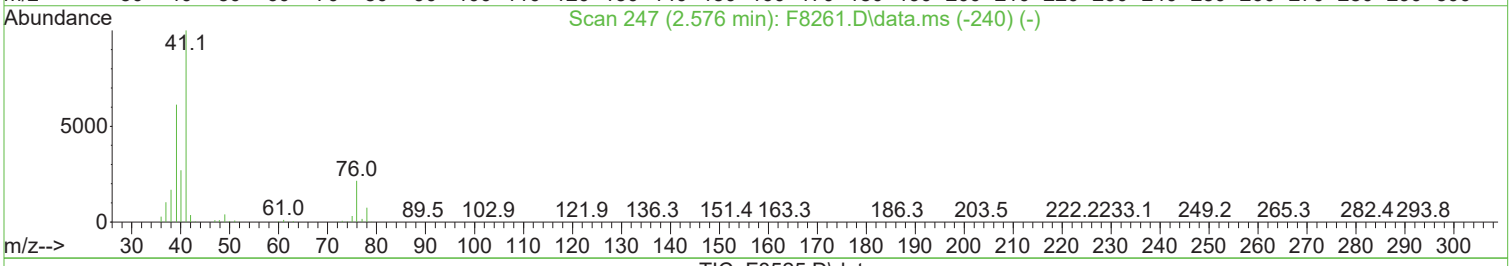
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8525.D
Acq On : 05 Mar 2024 12:20 pm
Operator : F.NAEGLER
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QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8525.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 23.42 ug/L m

response 24258

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	34.55
39.10	61.30	51.17
0.00	0.00	0.00

Manual Integration:

After

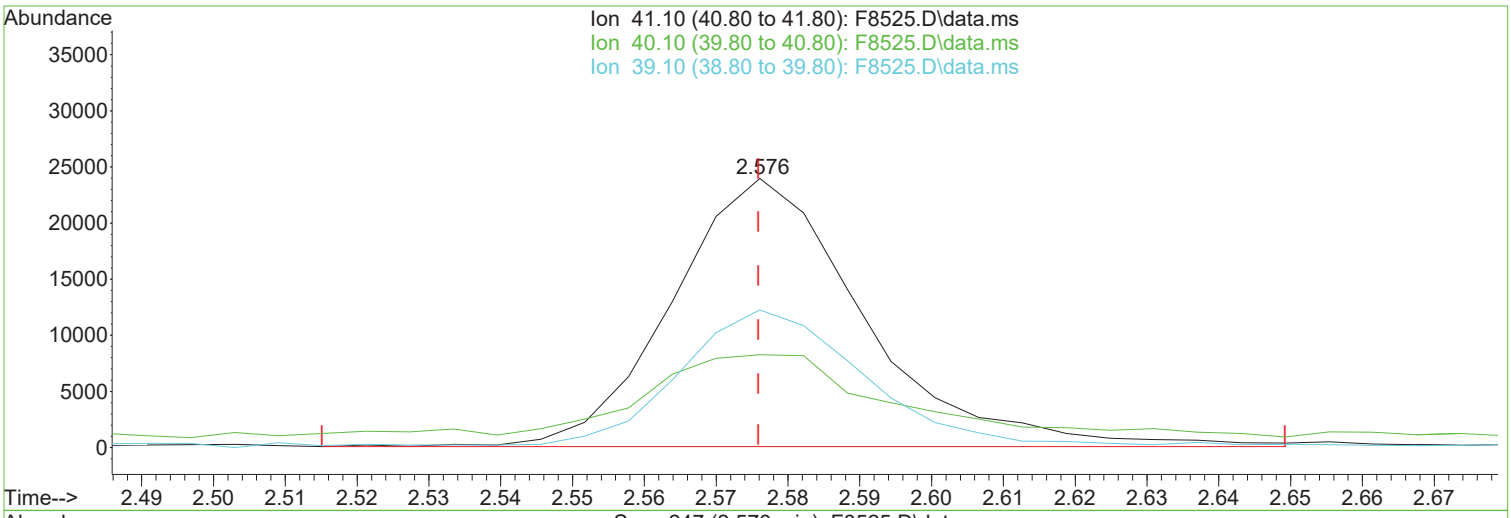
Poor integration.

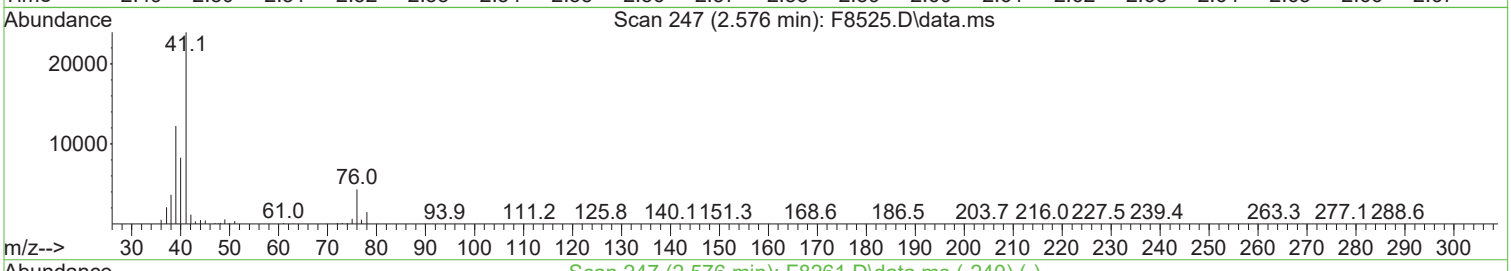
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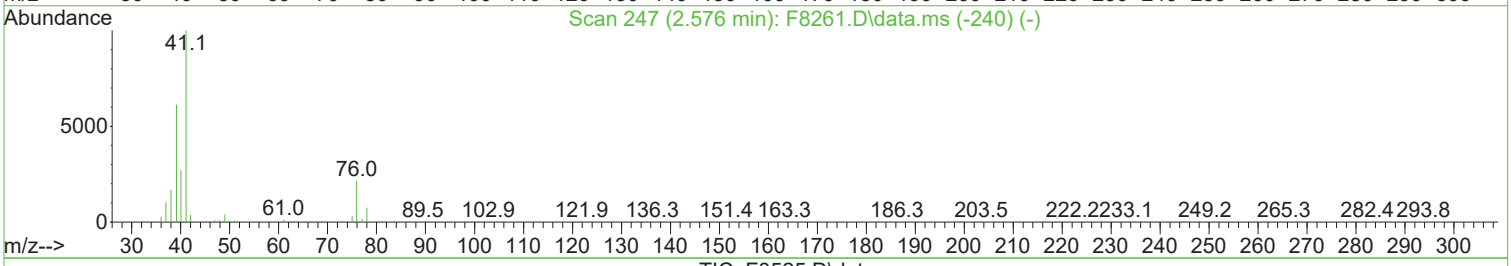
Quantitation Report (Qedit)

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Data File : F8525.D
Acq On : 05 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 06 14:23:33 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8525.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 43.05 ug/L

response 44599

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	34.55
39.10	61.30	51.17
0.00	0.00	0.00

Manual Integration:

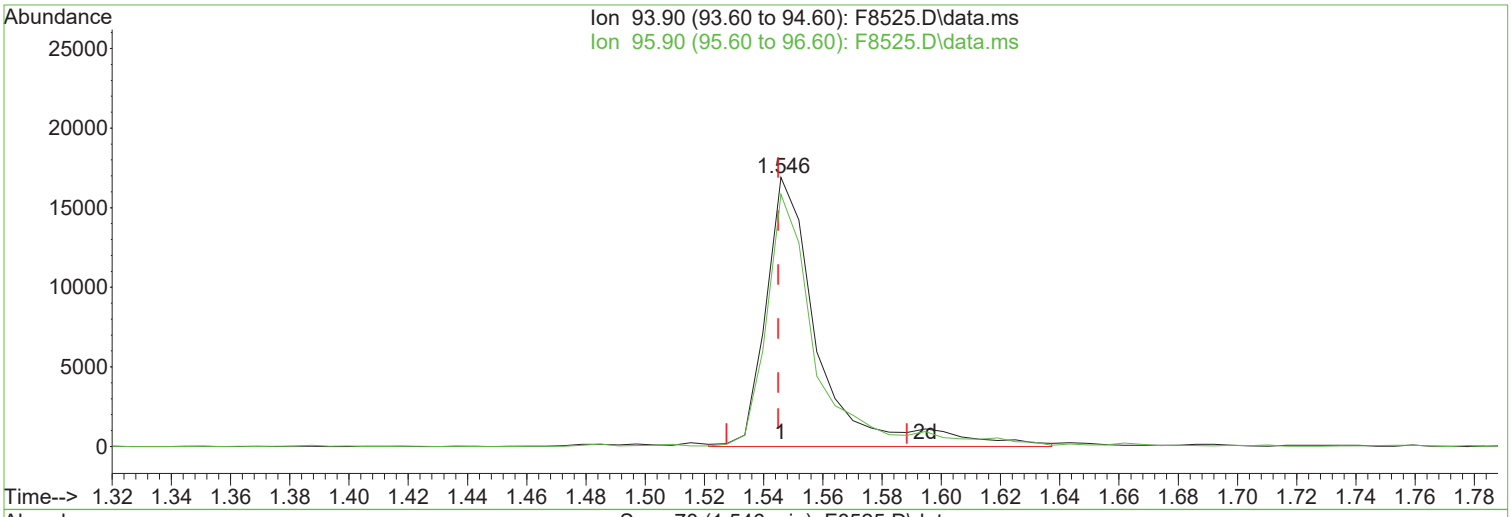
Before

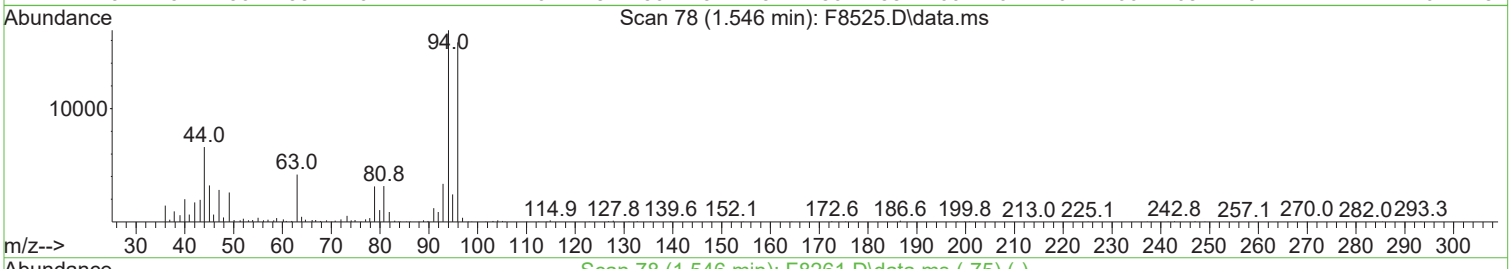
03/06/24

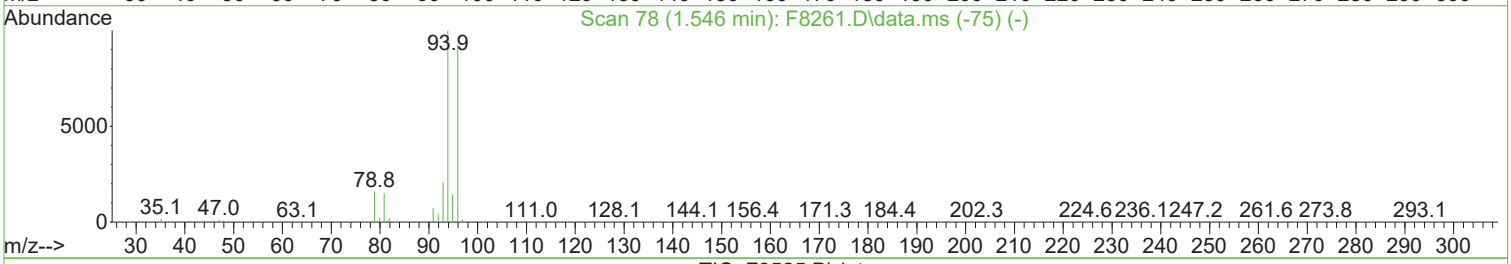
Quantitation Report (Qedit)

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
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TIC: F8525.D\data.ms

(6) Bromomethane (P)

1.546min (+ 0.001) 3.94 ug/L m

response 20860

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.30	93.70
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

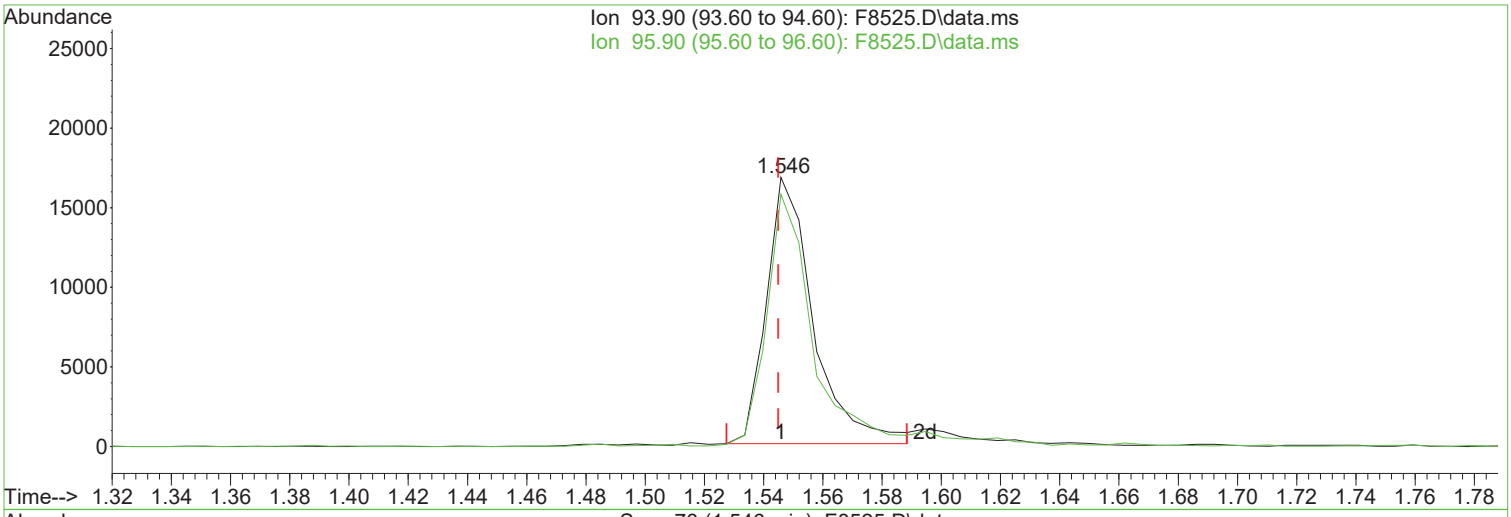
Poor integration.

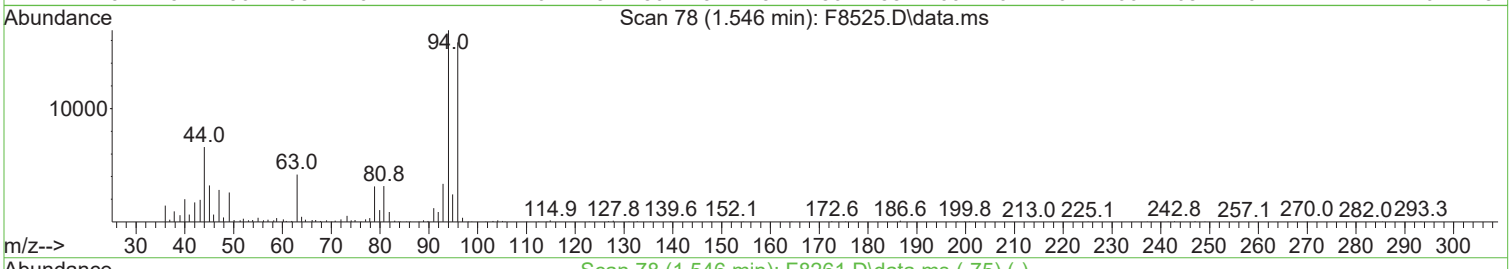
03/06/24

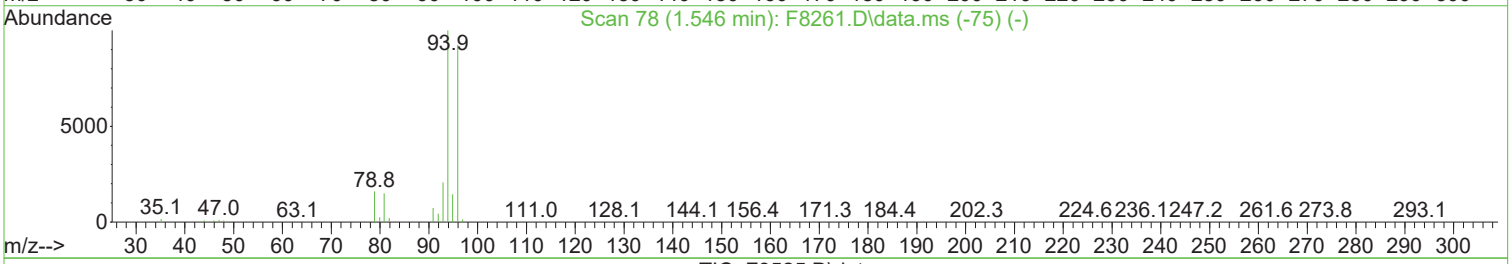
Quantitation Report (Qedit)

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Data File : F8525.D
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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8525.D\data.ms

(6) Bromomethane (P)

1.546min (+ 0.001) 3.49 ug/L

response 18506

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.30	93.70
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

1st FNJ 03/06/24
2nd WR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8525.D
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QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	409004	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	618020	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.941	117	561303	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	298333	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.222	113	44418	11.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 22.42%#			
48) surr1,1,2-dichloroetha...	5.777	65	56048	10.78	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.56%#			
65) SURR3,Toluene-d8	8.368	98	170208	10.56	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.12%#			
70) SURR2,BFB	11.044	95	59976	9.80	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 19.60%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.150	51	18351	5.400	ug/L	94
3) Dichlorodifluoromethane	1.119	85	20445	4.779	ug/L	97
4) Chloromethane	1.265	50	23479	5.036	ug/L	94
5) Vinyl Chloride	1.326	62	23969	4.828	ug/L	99
6) Bromomethane	1.546	94	20860m	3.936	ug/L	
7) Chloroethane	1.625	64	18399	4.112	ug/L	94
8) Freon 21	1.777	67	38170	4.626	ug/L	98
9) Trichlorofluoromethane	1.820	101	29283	4.482	ug/L	91
10) Diethyl Ether	2.052	59	16216	4.225	ug/L	94
11) Freon 123a	2.064	67	20071	4.439	ug/L	96
12) Freon 123	2.119	83	23195	4.918	ug/L	95
13) Acrolein	2.174	56	27895	30.949	ug/L	99
14) 1,1-Diclethene	2.241	96	15522	5.305	ug/L	97
15) Freon 113	2.241	101	15783	5.379	ug/L	93
16) Acetone	2.308	43	12398	5.110	ug/L	86
17) 2-Propanol	2.448	45	34300	87.944	ug/L	87
18) Iodomethane	2.381	142	16011m	3.632	ug/L	
19) Carbon Disulfide	2.430	76	38429	4.266	ug/L	98
20) Acetonitrile	2.576	41	24258m	23.415	ug/L	
21) Allyl Chloride	2.576	76	7387	4.126	ug/L #	79
22) Methyl Acetate	2.613	43	29784	4.979	ug/L	94
23) Methylene Chloride	2.704	84	18543	4.661	ug/L	95
24) TBA	2.857	59	55473	81.718	ug/L	87
25) Acrylonitrile	2.985	53	54496	24.376	ug/L	98
26) Methyl-t-Butyl Ether	2.991	73	54655	4.272	ug/L	96
27) trans-1,2-Dichloroethene	2.985	96	16817	4.791	ug/L	93
28) 1,1-Diclethane	3.491	63	31425	4.721	ug/L	97
29) Vinyl Acetate	3.594	86	1932	3.516	ug/L #	74
30) DIPE	3.594	45	51216	4.220	ug/L	97
31) 2-Chloro-1,3-Butadiene	3.606	53	24571	3.941	ug/L	91
32) ETBE	4.131	59	44708	3.893	ug/L	98
33) 2,2-Dichloropropane	4.320	77	17551	3.738	ug/L	95
34) cis-1,2-Dichloroethene	4.332	96	19429	4.664	ug/L	85
35) 2-Butanone	4.423	43	14732	4.466	ug/L	95
36) Propionitrile	4.527	54	23484	23.770	ug/L	99
37) Bromochloromethane	4.740	130	12611	4.580	ug/L	86
38) Methacrylonitrile	4.777	67	10859	4.493	ug/L	97
39) Tetrahydrofuran	4.850	42	10511	4.800	ug/L	99
40) Chloroform	4.917	83	31075	4.481	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8525.D
Acq On : 05 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 06 14:23:33 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	1,1,1-Trichloroethane	5.198	97	22243	4.081	ug/L		98
42)	TAME	6.075	73	43126	3.822	ug/L		96
44)	Cyclohexane	5.258	41	16156	4.548	ug/L		83
46)	Carbontetrachloride	5.472	117	19181	5.037	ug/L		98
47)	1,1-Dichloropropene	5.490	75	20705	4.601	ug/L		92
49)	Benzene	5.832	78	65732	4.758	ug/L		96
50)	1,2-Dichloroethane	5.899	62	27385	4.522	ug/L		92
51)	Iso-Butyl Alcohol	5.911	43	19136	71.604	ug/L		100
52)	n-Heptane	6.301	43	20109	4.842	ug/L		93
53)	1-Butanol	6.904	56	22946	149.448	ug/L		99
54)	Trichloroethene	6.807	130	18667	5.040	ug/L		97
55)	Methylcyclohexane	7.039	55	20691	4.740	ug/L		96
56)	1,2-Diclpropane	7.118	63	17788	4.682	ug/L		98
57)	Dibromomethane	7.276	93	12557	4.443	ug/L	#	82
58)	1,4-Dioxane	7.356	88	8857	96.667	ug/L		92
59)	Methyl Methacrylate	7.362	69	13869	4.037	ug/L		95
60)	Bromodichloromethane	7.508	83	20340	4.196	ug/L		95
61)	2-Nitropropane	7.831	41	7466	5.942	ug/L		95
62)	2-Chloroethylvinyl Ether	7.935	63	10963	4.286	ug/L		99
63)	cis-1,3-Dichloropropene	8.075	75	20484	3.741	ug/L		94
64)	4-Methyl-2-pentanone	8.301	43	26292	4.245	ug/L		94
66)	Toluene	8.447	91	72108	4.557	ug/L		96
67)	trans-1,3-Dichloropropene	8.752	75	16482	3.302	ug/L		96
68)	Ethyl Methacrylate	8.892	69	22293	3.860	ug/L		88
69)	1,1,2-Trichloroethane	8.947	97	18238	4.717	ug/L		99
72)	Tetrachloroethene	9.057	164	15088	5.648	ug/L		87
73)	2-Hexanone	9.264	43	18100	4.158	ug/L		95
74)	1,3-Dichloropropane	9.130	76	31935	4.989	ug/L		92
75)	Dibromochloromethane	9.361	129	15114	4.218	ug/L		97
76)	N-Butyl Acetate	9.416	43	29917	3.790	ug/L		96
77)	1,2-Dibromoethane	9.459	107	16643	4.340	ug/L		92
78)	3-Chlorobenzotrifluoride	9.989	180	27320	5.329	ug/L		89
79)	Chlorobenzene	9.965	112	49255	4.812	ug/L		97
80)	4-Chlorobenzotrifluoride	10.044	180	23062	5.257	ug/L		97
81)	1,1,1,2-Tetrachloroethane	10.056	131	14240	4.603	ug/L		96
82)	Ethylbenzene	10.087	106	26245	5.136	ug/L	#	89
83)	(m+p)Xylene	10.203	106	63080	9.831	ug/L		93
84)	o-Xylene	10.568	106	29748	4.579	ug/L		91
85)	Styrene	10.587	104	49928	4.585	ug/L		97
86)	Bromoform	10.751	173	9318	3.763	ug/L		95
87)	2-Chlorobenzotrifluoride	10.831	180	26036	5.143	ug/L		98
88)	Isopropylbenzene	10.910	105	77654	4.779	ug/L		98
89)	Cyclohexanone	11.001	55	73884	60.864	ug/L		100
90)	trans-1,4-Dichloro-2-B...	11.245	53	4540	2.582	ug/L	#	73
92)	1,1,2,2-Tetrachloroethane	11.196	83	27808	5.014	ug/L		100
93)	Bromobenzene	11.166	156	21196	4.922	ug/L		97
94)	1,2,3-Trichloropropane	11.227	110	8536	4.572	ug/L	#	84
95)	n-Propylbenzene	11.276	91	91592	4.804	ug/L		96
96)	2-Chlorotoluene	11.343	91	54165	4.718	ug/L		94
97)	3-Chlorotoluene	11.398	91	54652	4.670	ug/L		97
98)	4-Chlorotoluene	11.440	91	64206	4.847	ug/L		98
99)	1,3,5-Trimethylbenzene	11.434	105	64006	4.705	ug/L		99
100)	tert-Butylbenzene	11.708	119	55810	4.918	ug/L		100
101)	1,2,4-Trimethylbenzene	11.751	105	65099	4.763	ug/L		97
102)	3,4-Dichlorobenzotrifl...	11.812	214	20631	5.332	ug/L		95
103)	sec-Butylbenzene	11.891	105	80896	4.928	ug/L		100

1st FJ 03/06/24
2nd JR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8525.D
Acq On : 05 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 06 14:23:33 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

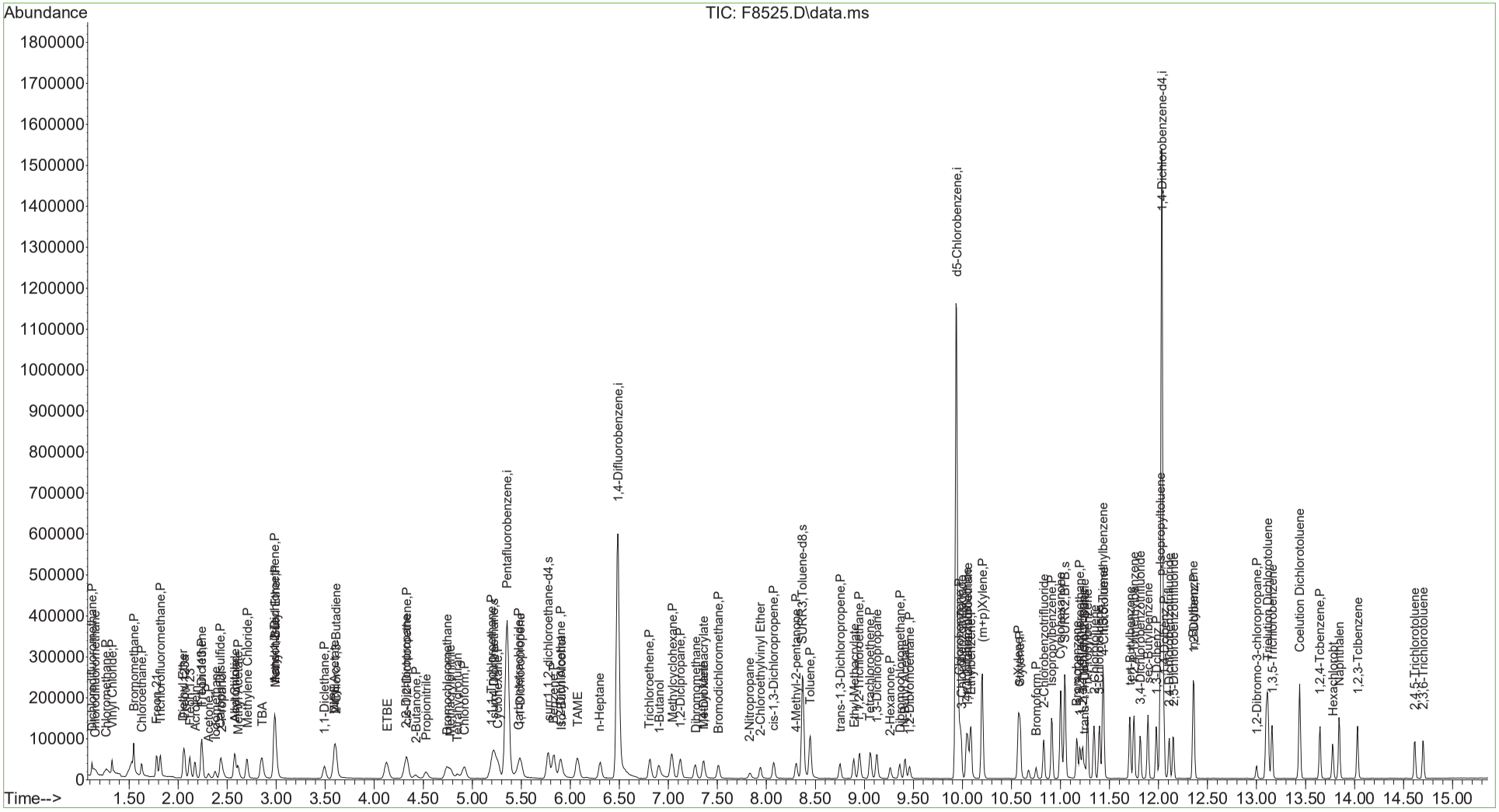
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.019	119	69673	5.046	ug/L	97
105) 1,3-Dclbenz	11.977	146	40186	5.151	ug/L	98
106) 1,4-Dclbenz	12.056	146	40886	4.788	ug/L	97
107) 2,4-Dichlorobenzotrifl...	12.111	214	19235	5.449	ug/L	91
108) 2,5-Dichlorobenzotrifl...	12.153	214	21282	5.389	ug/L	93
109) n-Butylbenzene	12.355	91	59898	4.884	ug/L	95
110) 1,2-Dclbenz	12.361	146	40744	5.040	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.001	157	5282	4.161	ug/L	99
112) Trielution Dichlorotol...	13.111	125	95920	14.573	ug/L	99
113) 1,3,5-Trichlorobenzene	13.159	180	30577	5.323	ug/L	99
114) Coelution Dichlorotoluene	13.440	125	69337	9.583	ug/L	96
115) 1,2,4-Tcbenzene	13.647	180	29195	5.401	ug/L	92
116) Hexachlorobt	13.781	225	12063	5.590	ug/L	87
117) Naphthalen	13.842	128	85265	4.848	ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	27917	5.181	ug/L	93
119) 2,4,5-Trichlorotoluene	14.616	159	17772	4.832	ug/L	94
120) 2,3,6-Trichlorotoluene	14.696	159	17394	5.023	ug/L	91

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8525.D
Acq On : 05 Mar 2024 12:20 pm
Operator : F.NAEGLER
Sample : 5 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 06 14:23:33 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

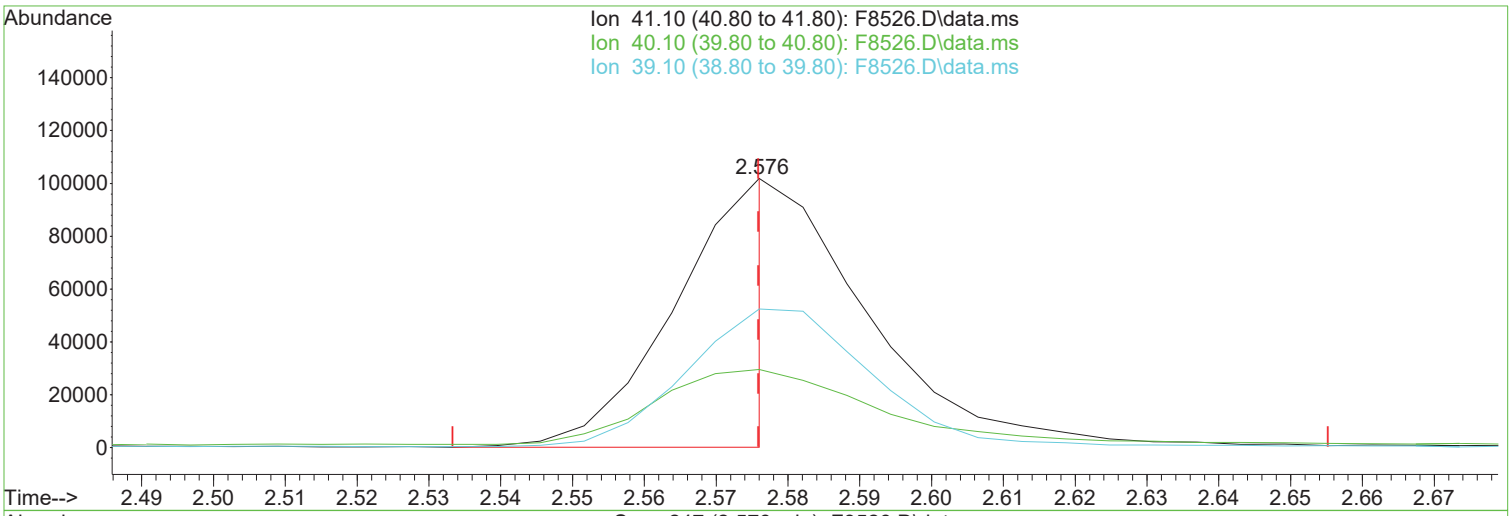


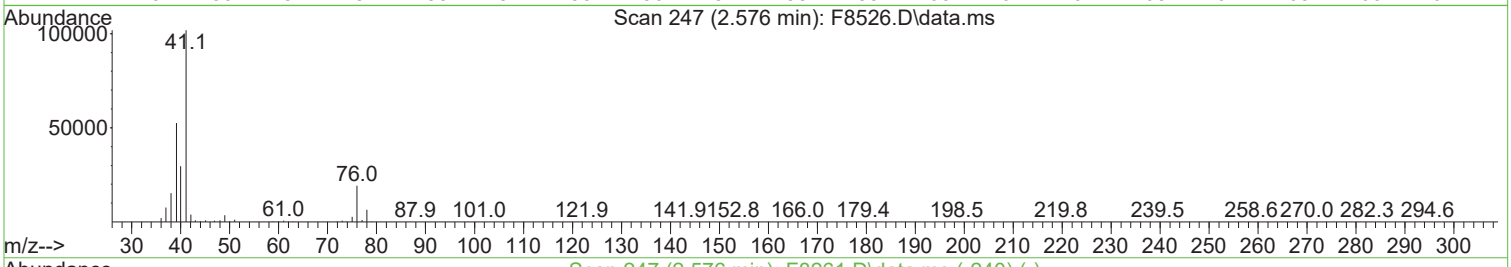
1st 03/06/24
2nd 03/07/24

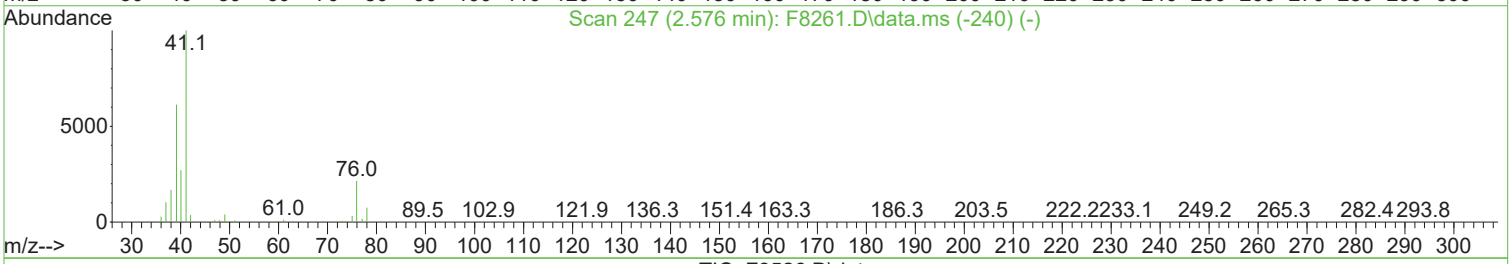
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8526.D
Acq On : 05 Mar 2024 12:42 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 06 14:25:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8526.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 98.31 ug/L m

response 99502

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	29.06
39.10	61.30	51.53
0.00	0.00	0.00

Manual Integration:

After

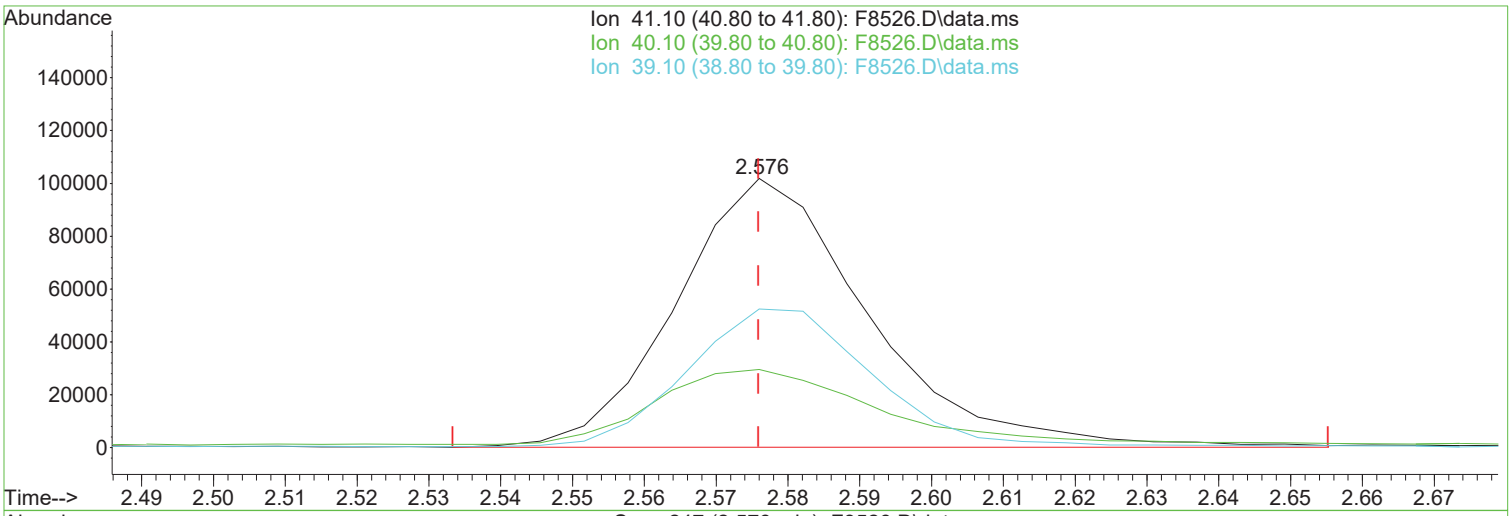
Poor integration.

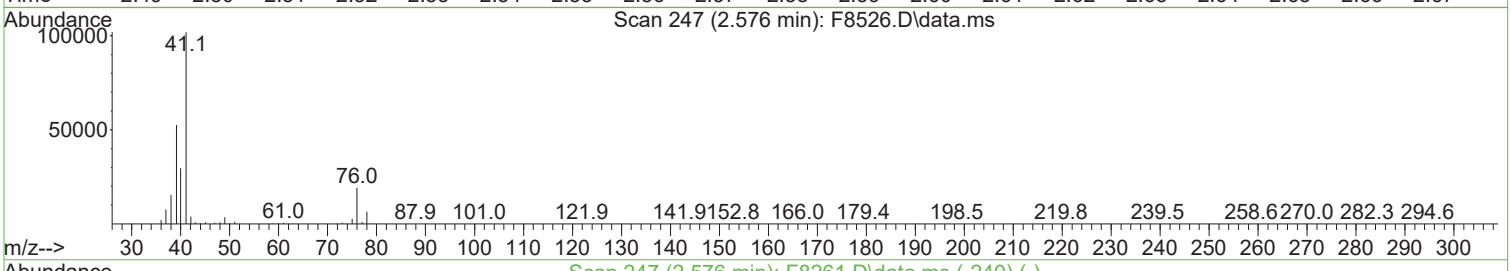
03/06/24

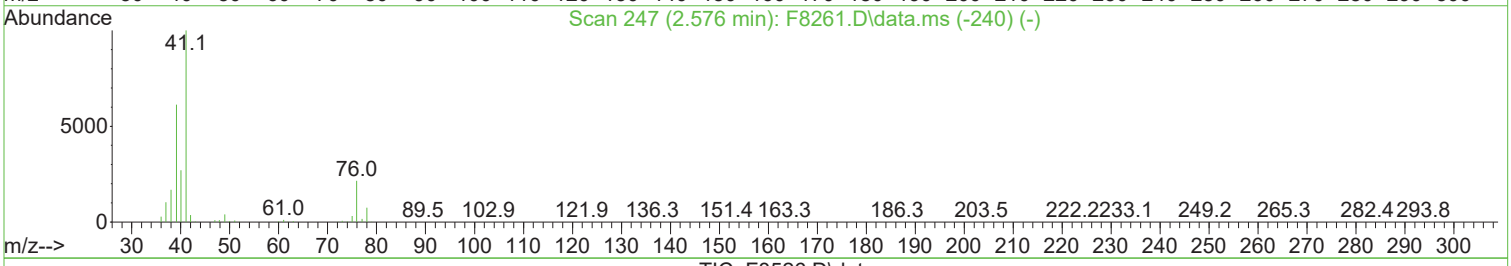
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8526.D
Acq On : 05 Mar 2024 12:42 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 06 14:25:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8526.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 187.36 ug/L

response 189631

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	29.06
39.10	61.30	51.53
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8526.D
Acq On : 05 Mar 2024 12:42 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 06 14:25:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	399576	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	620629	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.940	117	557122	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	303302	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.222	113	75362	18.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 37.88%#			
48) surr1,1,2-dichloroetha...	5.777	65	96307	18.44	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 36.88%#			
65) SURR3,Toluene-d8	8.368	98	281457	17.39	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 34.78%#			
70) SURR2,BFB	11.044	95	103691	16.87	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 33.74%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.149	51	72699	21.898	ug/L	98
3) Dichlorodifluoromethane	1.119	85	93917	22.471	ug/L	97
4) Chloromethane	1.271	50	102185	22.433	ug/L	96
5) Vinyl Chloride	1.326	62	106470	21.954	ug/L	97
6) Bromomethane	1.552	94	70292	13.576	ug/L	97
7) Chloroethane	1.631	64	81625	18.674	ug/L	99
8) Freon 21	1.783	67	141373	17.538	ug/L	96
9) Trichlorofluoromethane	1.820	101	124187	19.458	ug/L	96
10) Diethyl Ether	2.052	59	68225	18.194	ug/L	99
11) Freon 123a	2.064	67	74347	16.830	ug/L	94
12) Freon 123	2.119	83	86806	18.838	ug/L	98
13) Acrolein	2.174	56	119303	135.486	ug/L	99
14) 1,1-Diclethene	2.241	96	63908	22.359	ug/L	94
15) Freon 113	2.241	101	65025	22.683	ug/L	92
16) Acetone	2.308	43	45134	19.043	ug/L	98
17) 2-Propanol	2.448	45	152546	400.351	ug/L	96
18) Iodomethane	2.381	142	86980	20.197	ug/L	93
19) Carbon Disulfide	2.430	76	178862	20.324	ug/L	99
20) Acetonitrile	2.576	41	99502m	98.311	ug/L	
21) Allyl Chloride	2.582	76	32677	18.683	ug/L #	93
22) Methyl Acetate	2.613	43	120569	20.629	ug/L	99
23) Methylene Chloride	2.704	84	74883	19.268	ug/L	94
24) TBA	2.850	59	249041	375.522	ug/L	91
25) Acrylonitrile	2.984	53	228503	104.619	ug/L	96
26) Methyl-t-Butyl Ether	2.991	73	230620	18.449	ug/L	99
27) trans-1,2-Dichloroethene	2.984	96	71442	20.833	ug/L	95
28) 1,1-Diclethane	3.490	63	133358	20.509	ug/L	97
29) Vinyl Acetate	3.594	86	9041	16.844	ug/L #	65
30) DIPE	3.600	45	224190	18.906	ug/L	96
31) 2-Chloro-1,3-Butadiene	3.606	53	112169	18.415	ug/L	94
32) ETBE	4.124	59	196714	17.535	ug/L	97
33) 2,2-Dichloropropane	4.320	77	81852	17.845	ug/L	96
34) cis-1,2-Dichloroethene	4.338	96	80995	19.902	ug/L	96
35) 2-Butanone	4.417	43	58453	18.137	ug/L	99
36) Propionitrile	4.521	54	98268	101.811	ug/L	94
37) Bromochloromethane	4.740	130	50498	18.772	ug/L	92
38) Methacrylonitrile	4.777	67	46214	19.574	ug/L	98
39) Tetrahydrofuran	4.838	42	40078	18.734	ug/L	93
40) Chloroform	4.923	83	129192	19.070	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8526.D
Acq On : 05 Mar 2024 12:42 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 06 14:25:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.197	97	98704	18.538	ug/L	95
42) TAME	6.069	73	189527	17.193	ug/L	97
44) Cyclohexane	5.252	41	64469	18.072	ug/L	98
46) Carbontetrachloride	5.472	117	80242	20.982	ug/L	98
47) 1,1-Dichloropropene	5.496	75	95966	21.236	ug/L	99
49) Benzene	5.831	78	275832	19.881	ug/L	99
50) 1,2-Dichloroethane	5.899	62	115498	18.993	ug/L	98
51) Iso-Butyl Alcohol	5.899	43	95134	354.482	ug/L	98
52) n-Heptane	6.301	43	84284	20.210	ug/L	97
53) 1-Butanol	6.898	56	141879	920.180	ug/L	97
54) Trichloroethene	6.813	130	74642	20.068	ug/L	95
55) Methylcyclohexane	7.039	55	78785	17.971	ug/L	97
56) 1,2-Diclpropane	7.124	63	74402	19.503	ug/L	99
57) Dibromomethane	7.270	93	52822	18.610	ug/L	95
58) 1,4-Dioxane	7.349	88	36707	398.944	ug/L	95
59) Methyl Methacrylate	7.362	69	60386	17.501	ug/L	96
60) Bromodichloromethane	7.508	83	93679	19.245	ug/L	99
61) 2-Nitropropane	7.831	41	36770	29.141	ug/L	96
62) 2-Chloroethylvinyl Ether	7.941	63	50613	19.702	ug/L	99
63) cis-1,3-Dichloropropene	8.075	75	99963	18.180	ug/L	98
64) 4-Methyl-2-pentanone	8.300	43	118399	19.035	ug/L	94
66) Toluene	8.447	91	308395	19.408	ug/L	99
67) trans-1,3-Dichloropropene	8.752	75	79486	15.857	ug/L	98
68) Ethyl Methacrylate	8.892	69	101516	17.504	ug/L	94
69) 1,1,2-Trichloroethane	8.953	97	74152	19.098	ug/L	96
72) Tetrachloroethene	9.063	164	58851	22.197	ug/L	97
73) 2-Hexanone	9.264	43	82997	19.208	ug/L	98
74) 1,3-Dichloropropane	9.130	76	128555	20.234	ug/L	98
75) Dibromochloromethane	9.361	129	71027	19.971	ug/L	97
76) N-Butyl Acetate	9.416	43	142043	18.132	ug/L	99
77) 1,2-Dibromoethane	9.459	107	69531	18.269	ug/L	98
78) 3-Chlorobenzotrifluoride	9.983	180	110460	21.707	ug/L	98
79) Chlorobenzene	9.965	112	202064	19.890	ug/L	98
80) 4-Chlorobenzotrifluoride	10.044	180	100480	23.076	ug/L	97
81) 1,1,1,2-Tetrachloroethane	10.056	131	65590	21.363	ug/L	96
82) Ethylbenzene	10.087	106	105791	20.857	ug/L	97
83) (m+p)Xylene	10.203	106	261243	41.018	ug/L	99
84) o-Xylene	10.568	106	132634	20.567	ug/L	93
85) Styrene	10.587	104	220274	20.379	ug/L	99
86) Bromoform	10.751	173	45575	18.544	ug/L	96
87) 2-Chlorobenzotrifluoride	10.830	180	113512	22.590	ug/L	97
88) Isopropylbenzene	10.910	105	329986	20.462	ug/L	100
89) Cyclohexanone	11.001	55	272857	226.460	ug/L	94
90) trans-1,4-Dichloro-2-B...	11.251	53	19212	11.006	ug/L	88
92) 1,1,2,2-Tetrachloroethane	11.196	83	118335	20.987	ug/L	97
93) Bromobenzene	11.166	156	88873	20.299	ug/L	98
94) 1,2,3-Trichloropropane	11.227	110	38739	20.410	ug/L	92
95) n-Propylbenzene	11.276	91	395526	20.404	ug/L	100
96) 2-Chlorotoluene	11.343	91	229909	19.697	ug/L	99
97) 3-Chlorotoluene	11.397	91	239282	20.111	ug/L	99
98) 4-Chlorotoluene	11.440	91	268896	19.967	ug/L	98
99) 1,3,5-Trimethylbenzene	11.434	105	285886	20.673	ug/L	99
100) tert-Butylbenzene	11.708	119	241440	20.925	ug/L	99
101) 1,2,4-Trimethylbenzene	11.751	105	282864	20.359	ug/L	100
102) 3,4-Dichlorobenzotrifl...	11.818	214	92704	23.566	ug/L	92
103) sec-Butylbenzene	11.891	105	348596	20.888	ug/L	97

1st FJ 03/06/24
2nd JR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8526.D
Acq On : 05 Mar 2024 12:42 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 06 14:25:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

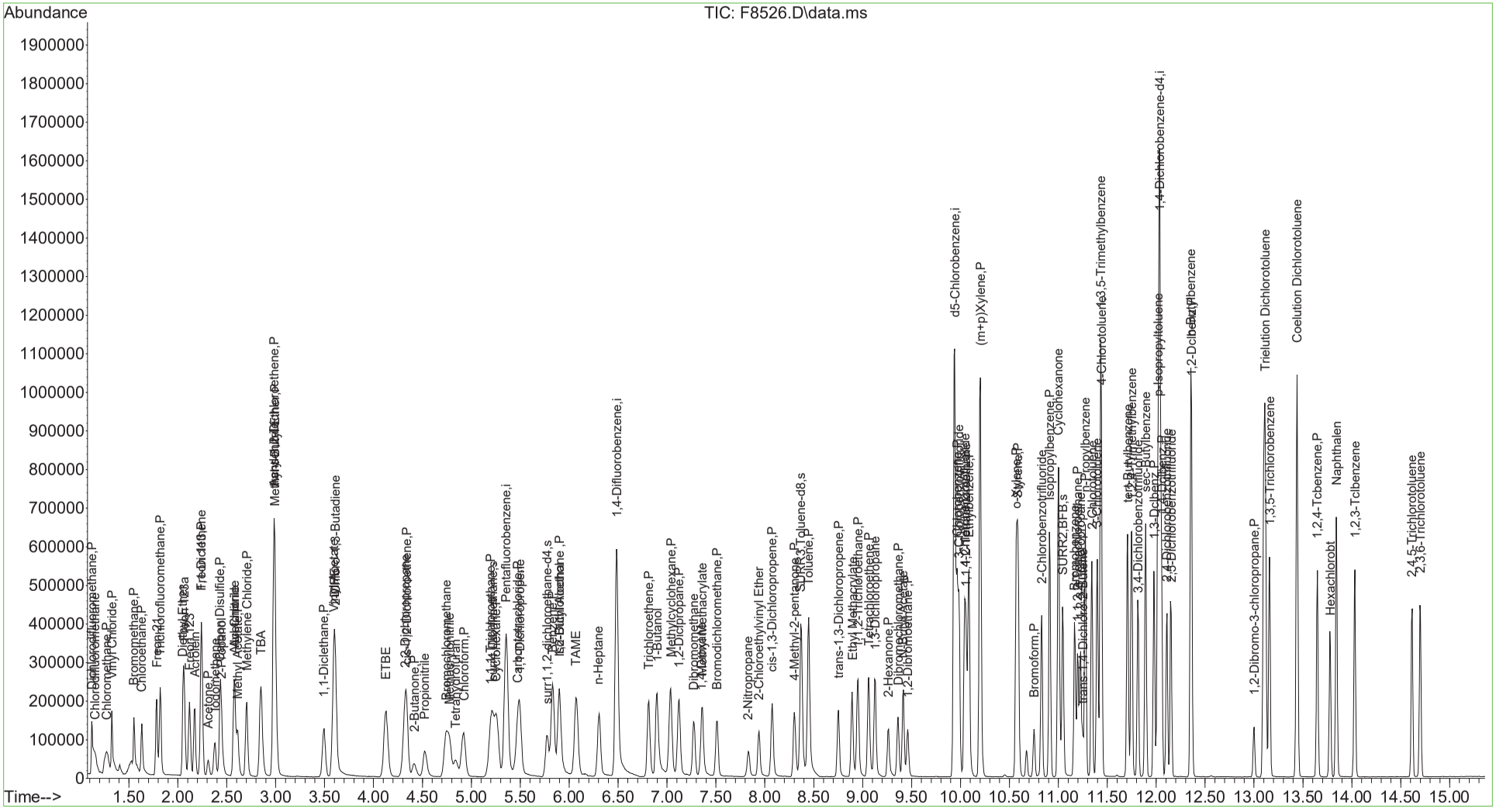
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.019	119	300359	21.396	ug/L	95
105) 1,3-Dclbenz	11.977	146	166067	20.936	ug/L	99
106) 1,4-Dclbenz	12.056	146	169547	19.529	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.111	214	83297	23.209	ug/L	93
108) 2,5-Dichlorobenzotrifl...	12.153	214	95061	23.678	ug/L	97
109) n-Butylbenzene	12.355	91	270546	21.700	ug/L	99
110) 1,2-Dclbenz	12.361	146	164576	20.024	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.001	157	25196	19.525	ug/L	97
112) Trielution Dichlorotol...	13.111	125	436489	65.228	ug/L	98
113) 1,3,5-Trichlorobenzene	13.159	180	134255	22.991	ug/L	98
114) Coelution Dichlorotoluene	13.440	125	321367	43.688	ug/L	99
115) 1,2,4-Tcbenzene	13.647	180	124288	22.618	ug/L	97
116) Hexachlorobt	13.781	225	53948	24.589	ug/L	96
117) Naphthalen	13.842	128	379933	21.247	ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	124327	22.696	ug/L	98
119) 2,4,5-Trichlorotoluene	14.616	159	86279	23.072	ug/L	96
120) 2,3,6-Trichlorotoluene	14.696	159	82948	23.562	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8526.D
Acq On : 05 Mar 2024 12:42 pm
Operator : F.NAEGLER
Sample : 20 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 06 14:25:17 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

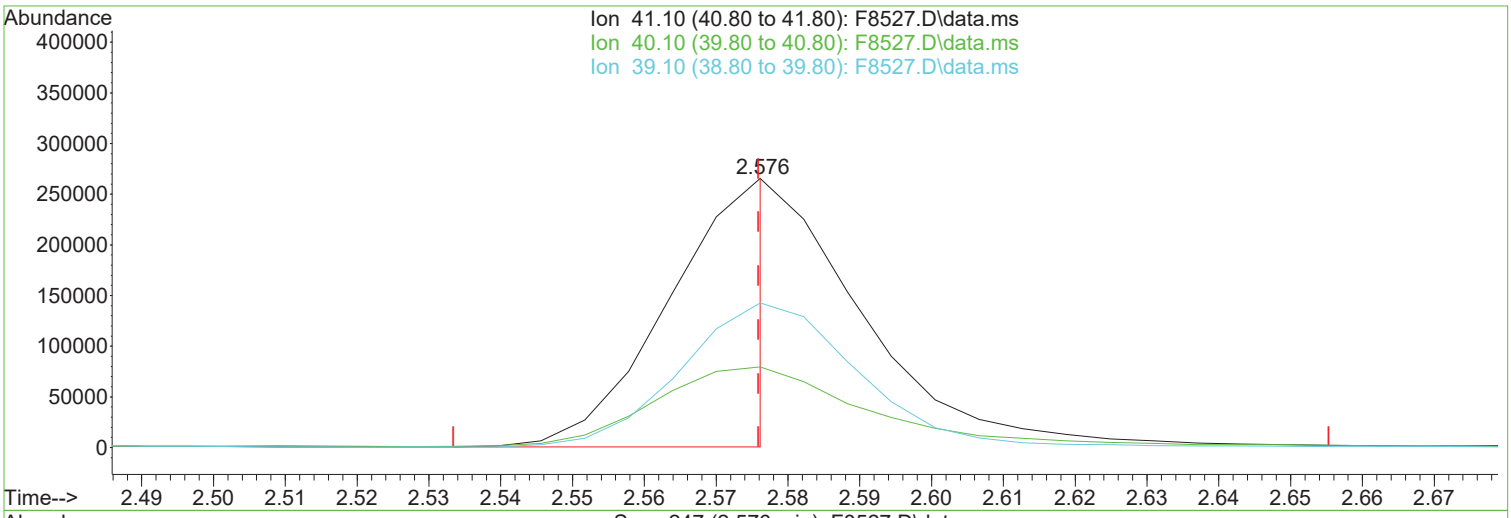


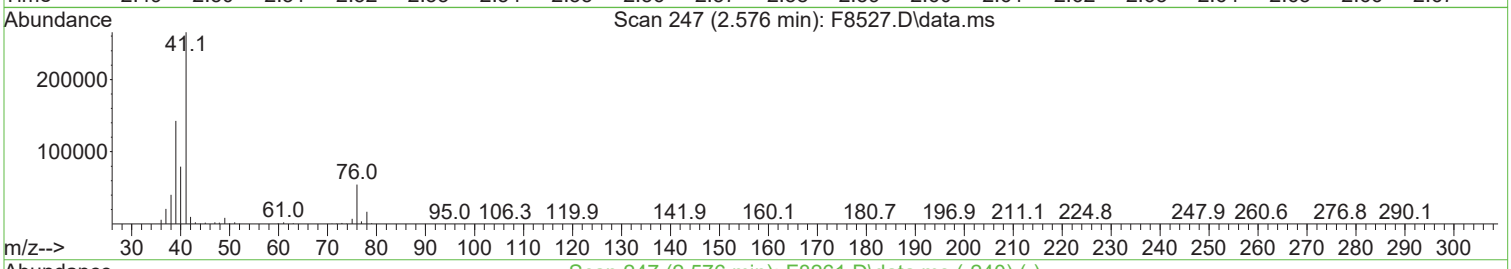
1st FJ 03/06/24
2nd [illegible] 03/07/24

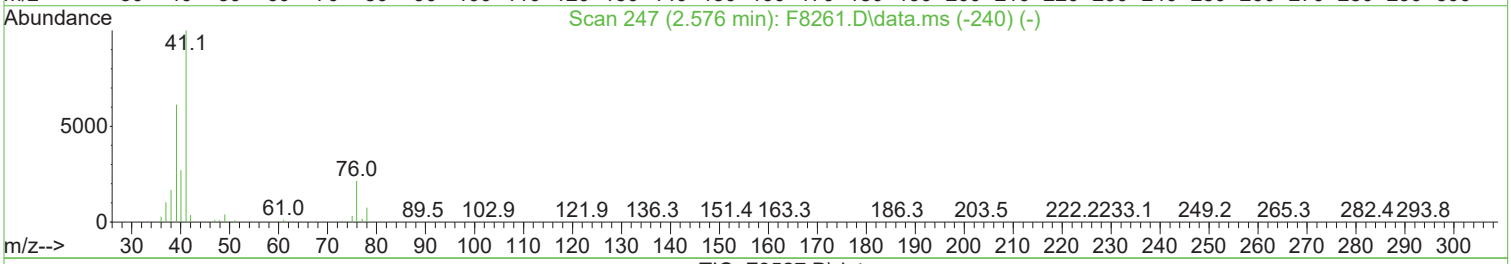
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8527.D
Acq On : 05 Mar 2024 01:05 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 14:26:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8527.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 261.03 ug/L m

response 275296

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	29.96
39.10	61.30	53.74
0.00	0.00	0.00

Manual Integration:

After

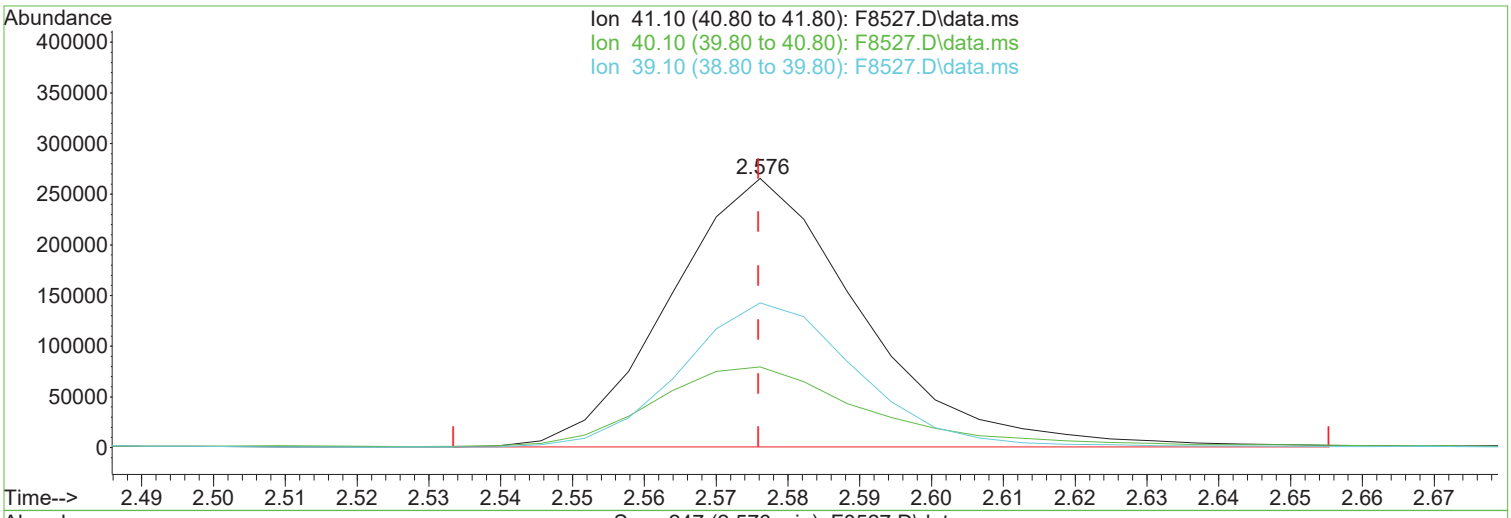
Poor integration.

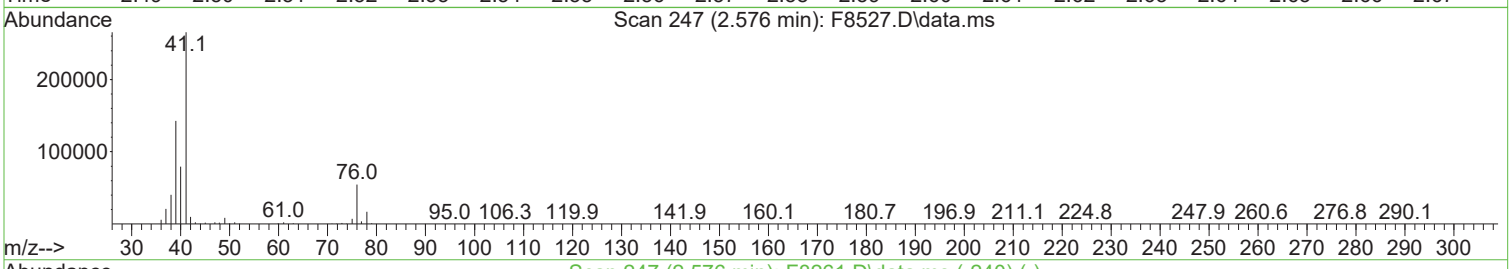
03/06/24

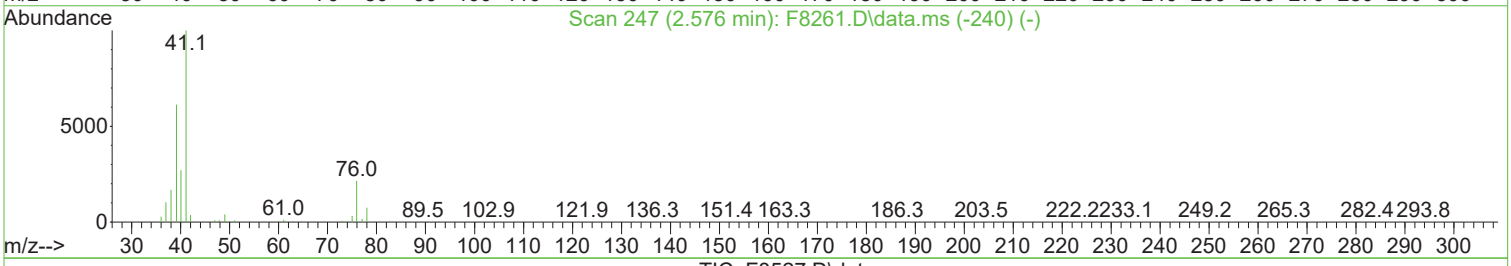
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8527.D
Acq On : 05 Mar 2024 01:05 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 14:26:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8527.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 467.98 ug/L

response 493554

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	29.96
39.10	61.30	53.74
0.00	0.00	0.00

Manual Integration:

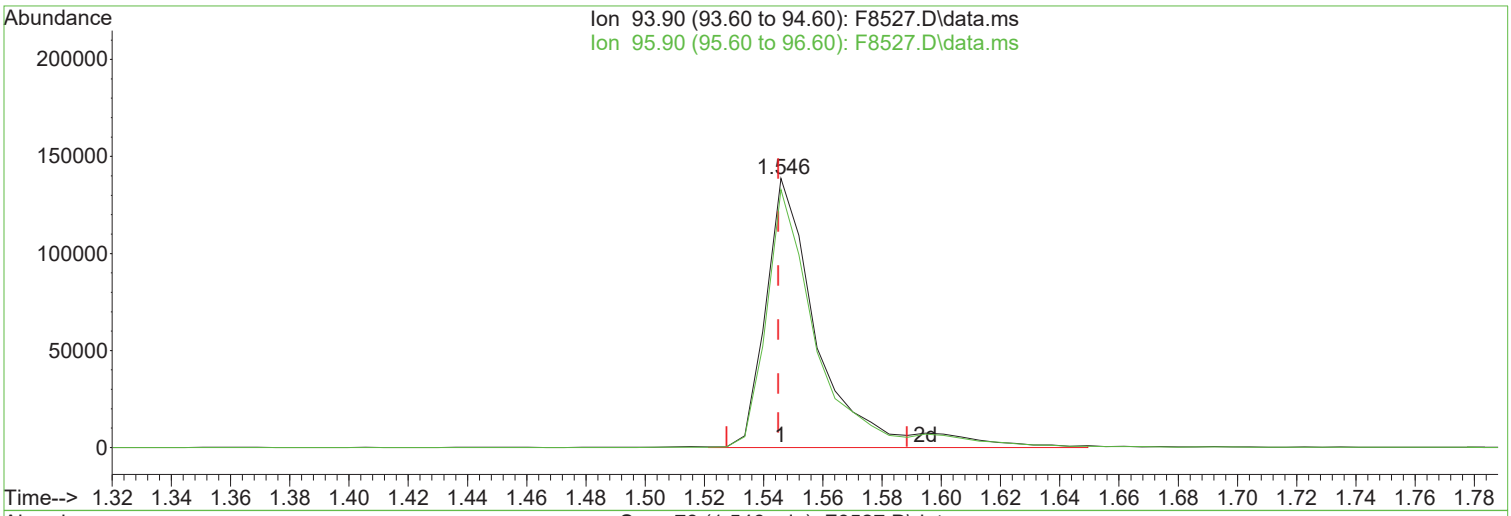
Before

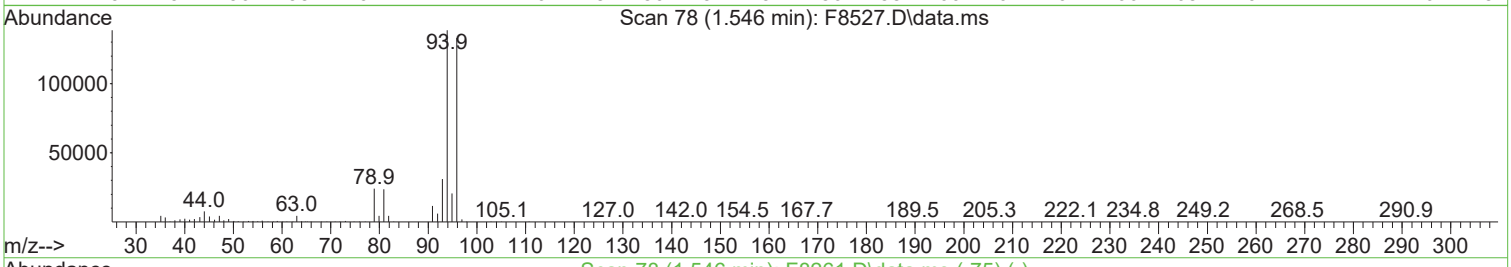
03/06/24

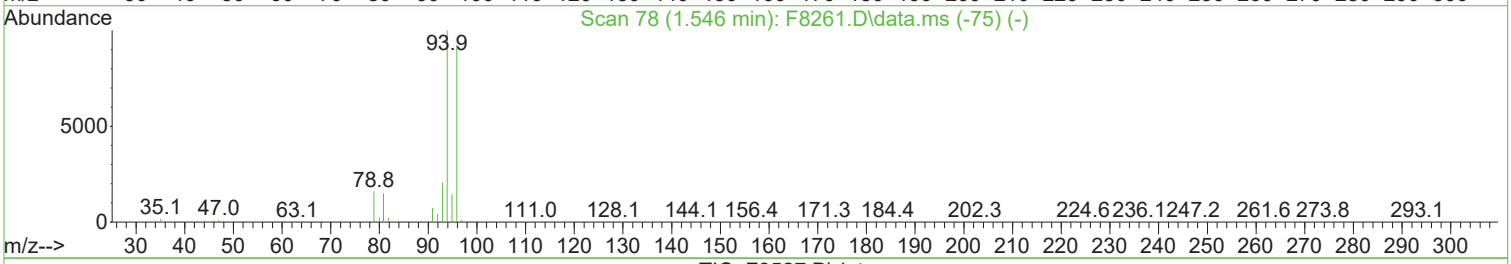
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8527.D
Acq On : 05 Mar 2024 01:05 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 14:26:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8527.D\data.ms

(6) Bromomethane (P)

1.546min (+ 0.001) 32.00 ug/L m

response 172625

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.30	95.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

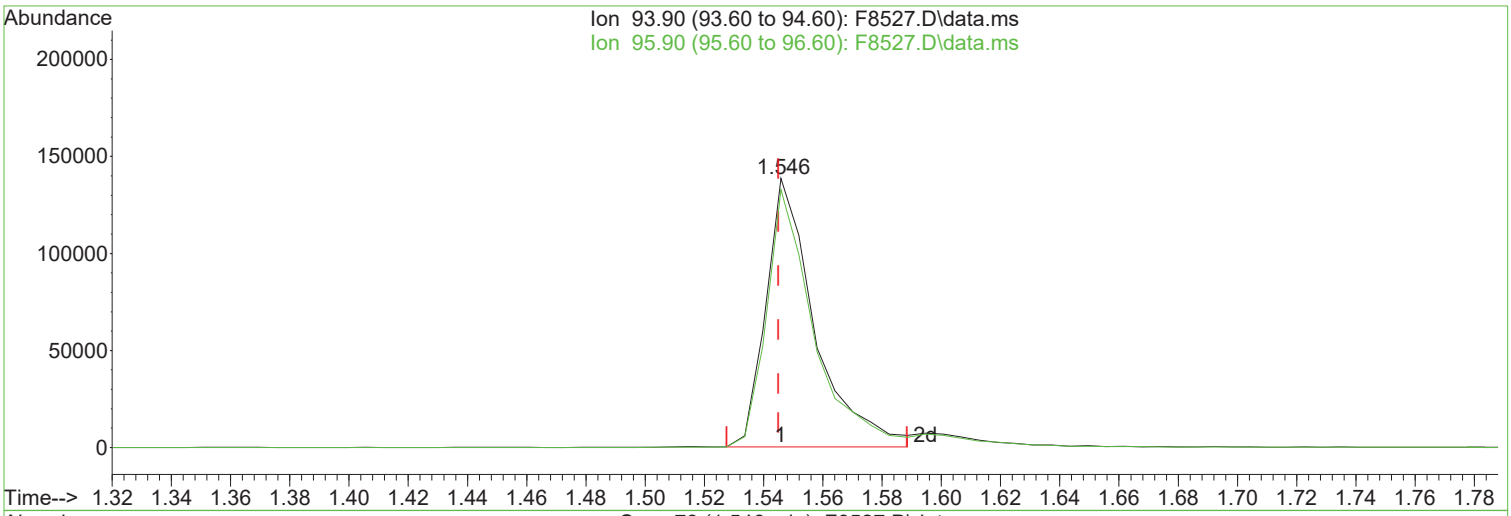
Poor integration.

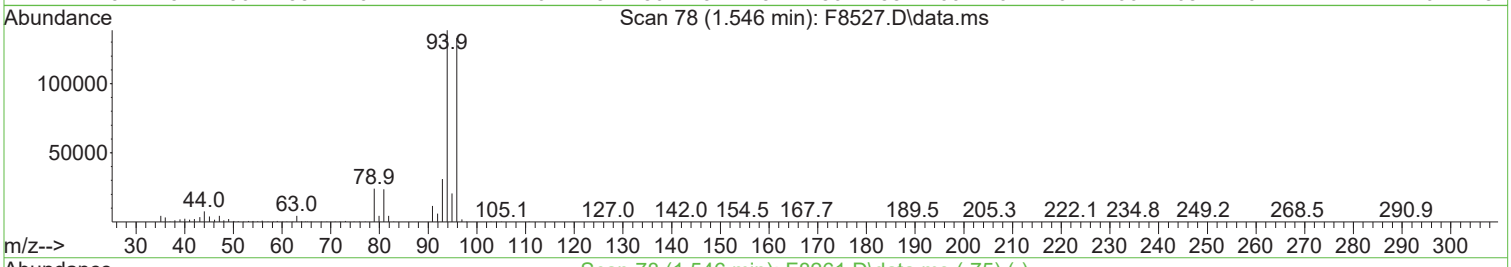
03/06/24

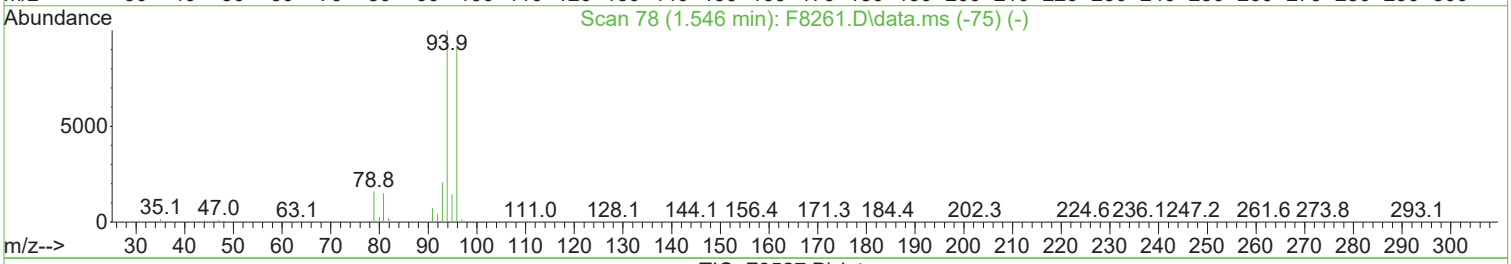
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8527.D
Acq On : 05 Mar 2024 01:05 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 14:26:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8527.D\data.ms

(6) Bromomethane (P)

1.546min (+ 0.001) 29.49 ug/L

response 159090

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.30	95.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8527.D
Acq On : 05 Mar 2024 01:05 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 14:26:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.356	168	416368	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.484	114	651155	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.941	117	571714	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	322759	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.216	113	201540	48.28	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.56%				
48) surr1,1,2-dichloroetha...	5.771	65	251491	45.91	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 91.82%				
65) SURR3,Toluene-d8	8.368	98	739095	43.53	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 87.06%				
70) SURR2,BFB	11.044	95	275656	42.74	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 85.48%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.143	51	199605	57.700	ug/L		98
3) Dichlorodifluoromethane	1.119	85	250608	57.544	ug/L		99
4) Chloromethane	1.271	50	268294	56.524	ug/L		96
5) Vinyl Chloride	1.326	62	276102	54.635	ug/L		96
6) Bromomethane	1.546	94	172625m	31.995	ug/L		
7) Chloroethane	1.625	64	211331	46.399	ug/L		100
8) Freon 21	1.777	67	382768	45.570	ug/L		98
9) Trichlorofluoromethane	1.820	101	316686	47.619	ug/L		99
10) Diethyl Ether	2.052	59	176633	45.204	ug/L		98
11) Freon 123a	2.064	67	204813	44.495	ug/L		93
12) Freon 123	2.119	83	236858	49.328	ug/L		99
13) Acrolein	2.168	56	309235	337.018	ug/L		96
14) 1,1-Diclethene	2.241	96	166813	56.007	ug/L		90
15) Freon 113	2.241	101	170253	56.994	ug/L		91
16) Acetone	2.308	43	120509	48.794	ug/L		98
17) 2-Propanol	2.448	45	433280	1091.267	ug/L		99
18) Iodomethane	2.375	142	241286	53.768	ug/L		93
19) Carbon Disulfide	2.430	76	454528	49.565	ug/L		99
20) Acetonitrile	2.576	41	275296m	261.031	ug/L		
21) Allyl Chloride	2.576	76	87637	48.085	ug/L	#	90
22) Methyl Acetate	2.607	43	316155	51.913	ug/L		99
23) Methylene Chloride	2.704	84	189012	46.672	ug/L		95
24) TBA	2.850	59	697809	1009.772	ug/L		93
25) Acrylonitrile	2.978	53	609288	267.710	ug/L		98
26) Methyl-t-Butyl Ether	2.991	73	618662	47.496	ug/L		99
27) trans-1,2-Dichloroethene	2.985	96	183409	51.326	ug/L		98
28) 1,1-Diclethane	3.491	63	336498	49.663	ug/L		98
29) Vinyl Acetate	3.588	86	24854	44.436	ug/L	#	69
30) DIPE	3.594	45	578271	46.799	ug/L		96
31) 2-Chloro-1,3-Butadiene	3.600	53	291491	45.924	ug/L		99
32) ETBE	4.125	59	520251	44.504	ug/L		99
33) 2,2-Dichloropropane	4.320	77	225036	47.082	ug/L		93
34) cis-1,2-Dichloroethene	4.332	96	209353	49.368	ug/L		98
35) 2-Butanone	4.411	43	164205	48.894	ug/L		97
36) Propionitrile	4.521	54	255741	254.276	ug/L		99
37) Bromochloromethane	4.740	130	135421	48.310	ug/L		99
38) Methacrylonitrile	4.771	67	121504	49.387	ug/L		97
39) Tetrahydrofuran	4.838	42	113446	50.892	ug/L		99
40) Chloroform	4.917	83	334103	47.327	ug/L		96

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8527.D
Acq On : 05 Mar 2024 01:05 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 14:26:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41)	1,1,1-Trichloroethane	5.198	97	267870	48.280	ug/L	98
42)	TAME	6.069	73	512259	44.596	ug/L	100
44)	Cyclohexane	5.258	41	178110	47.587	ug/L	99
46)	Carbontetrachloride	5.472	117	217992	54.328	ug/L	99
47)	1,1-Dichloropropene	5.490	75	245128	51.700	ug/L	97
49)	Benzene	5.832	78	720967	49.528	ug/L	98
50)	1,2-Dichloroethane	5.893	62	300418	47.085	ug/L	98
51)	Iso-Butyl Alcohol	5.899	43	288071	1023.072	ug/L	100
52)	n-Heptane	6.307	43	221268	50.570	ug/L	97
53)	1-Butanol	6.898	56	446244	2758.510	ug/L	96
54)	Trichloroethene	6.813	130	198442	50.851	ug/L	97
55)	Methylcyclohexane	7.033	55	213451	46.407	ug/L	97
56)	1,2-Diclpropane	7.124	63	203224	50.774	ug/L	99
57)	Dibromomethane	7.270	93	141068	47.371	ug/L	95
58)	1,4-Dioxane	7.350	88	96008	994.532	ug/L	99
59)	Methyl Methacrylate	7.362	69	175351	48.438	ug/L	99
60)	Bromodichloromethane	7.508	83	250493	49.049	ug/L	98
61)	2-Nitropropane	7.831	41	122107	92.235	ug/L	98
62)	2-Chloroethylvinyl Ether	7.941	63	140245	52.034	ug/L	100
63)	cis-1,3-Dichloropropene	8.075	75	285540	49.495	ug/L	99
64)	4-Methyl-2-pentanone	8.301	43	319820	49.008	ug/L	95
66)	Toluene	8.447	91	770847	46.236	ug/L	98
67)	trans-1,3-Dichloropropene	8.752	75	243656	46.330	ug/L	97
68)	Ethyl Methacrylate	8.892	69	286692	47.115	ug/L	94
69)	1,1,2-Trichloroethane	8.953	97	194854	47.833	ug/L	99
72)	Tetrachloroethene	9.063	164	155436	57.130	ug/L	94
73)	2-Hexanone	9.258	43	232912	52.527	ug/L	98
74)	1,3-Dichloropropane	9.124	76	327744	50.269	ug/L	99
75)	Dibromochloromethane	9.361	129	199674	54.710	ug/L	97
76)	N-Butyl Acetate	9.410	43	399037	49.638	ug/L	98
77)	1,2-Dibromoethane	9.459	107	177889	45.547	ug/L	99
78)	3-Chlorobenzotrifluoride	9.989	180	296814	56.839	ug/L	95
79)	Chlorobenzene	9.965	112	511231	49.038	ug/L	98
80)	4-Chlorobenzotrifluoride	10.044	180	269918	60.406	ug/L	100
81)	1,1,1,2-Tetrachloroethane	10.056	131	178867	56.770	ug/L	97
82)	Ethylbenzene	10.087	106	269876	51.848	ug/L	99
83)	(m+p)Xylene	10.203	106	677524	103.664	ug/L	98
84)	o-Xylene	10.568	106	336399	50.833	ug/L	98
85)	Styrene	10.587	104	577018	52.020	ug/L	99
86)	Bromoform	10.751	173	132958	52.717	ug/L	96
87)	2-Chlorobenzotrifluoride	10.831	180	297167	57.631	ug/L	97
88)	Isopropylbenzene	10.910	105	875934	52.930	ug/L	99
89)	Cyclohexanone	11.001	55	934449	755.758	ug/L	98
90)	trans-1,4-Dichloro-2-B...	11.245	53	53467	29.849	ug/L	85
92)	1,1,2,2-Tetrachloroethane	11.196	83	312294	52.046	ug/L	98
93)	Bromobenzene	11.166	156	229348	49.226	ug/L	98
94)	1,2,3-Trichloropropane	11.227	110	99571	49.298	ug/L	92
95)	n-Propylbenzene	11.276	91	1027426	49.807	ug/L	100
96)	2-Chlorotoluene	11.343	91	601117	48.396	ug/L	98
97)	3-Chlorotoluene	11.398	91	618006	48.810	ug/L	99
98)	4-Chlorotoluene	11.440	91	707898	49.397	ug/L	99
99)	1,3,5-Trimethylbenzene	11.434	105	758124	51.516	ug/L	97
100)	tert-Butylbenzene	11.708	119	630756	51.371	ug/L	99
101)	1,2,4-Trimethylbenzene	11.751	105	753129	50.937	ug/L	98
102)	3,4-Dichlorobenzotrifl...	11.812	214	241431	57.674	ug/L	98
103)	sec-Butylbenzene	11.891	105	913645	51.446	ug/L	98

1st FJ 03/06/24
2nd JR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8527.D
Acq On : 05 Mar 2024 01:05 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 14:26:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

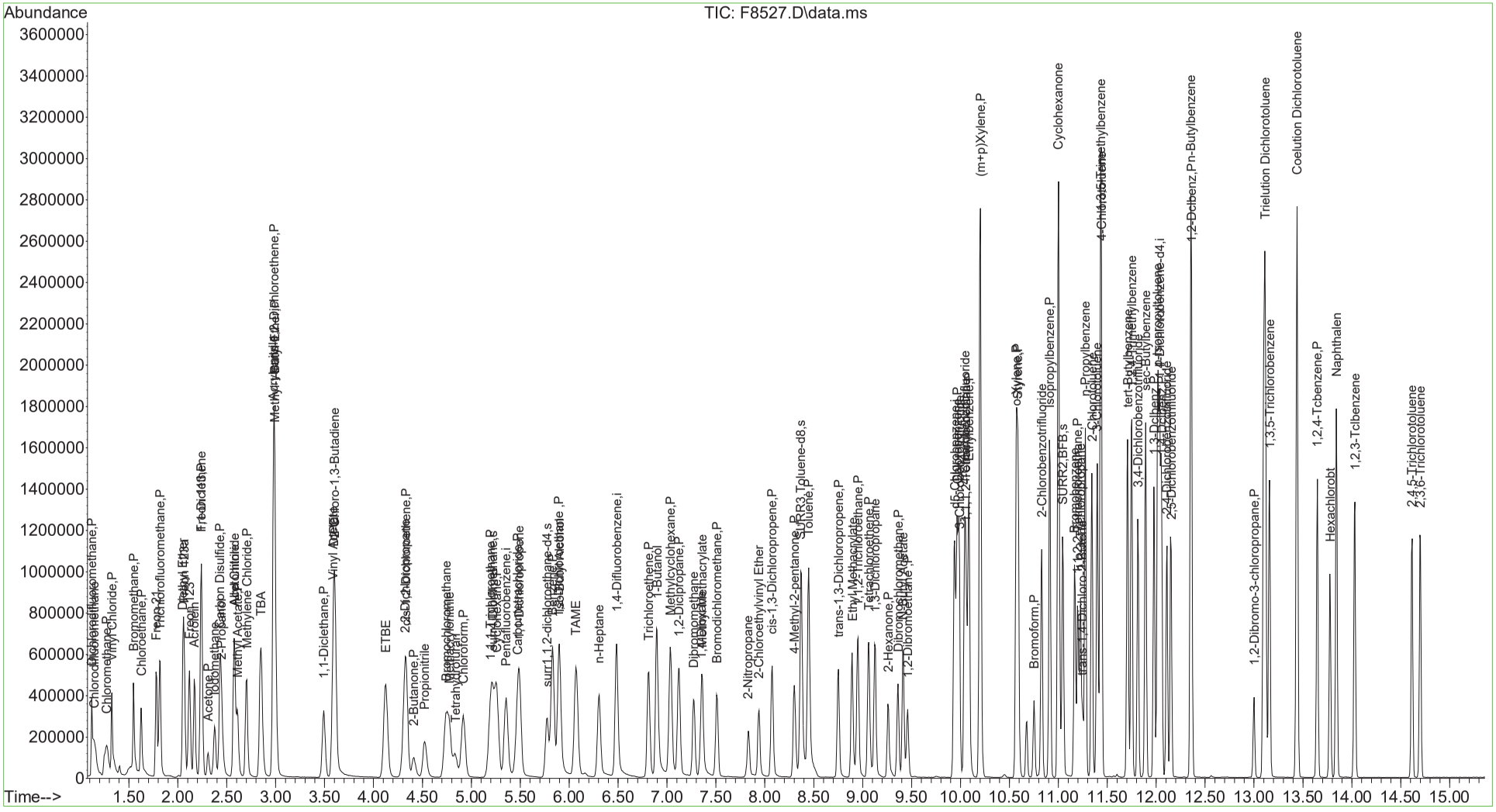
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.013	119	801564	53.656	ug/L	100
105) 1,3-Dclbenz	11.977	146	426110	50.480	ug/L	99
106) 1,4-Dclbenz	12.056	146	432503	46.814	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.111	214	219243	57.406	ug/L	96
108) 2,5-Dichlorobenzotrifl...	12.153	214	248526	58.172	ug/L	97
109) n-Butylbenzene	12.355	91	715633	53.938	ug/L	100
110) 1,2-Dclbenz	12.361	146	439152	50.210	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.001	157	74358	54.149	ug/L	99
112) Trielution Dichlorotol...	13.111	125	1139150	159.970	ug/L	99
113) 1,3,5-Trichlorobenzene	13.159	180	345086	55.532	ug/L	98
114) Coelution Dichlorotoluene	13.440	125	837996	107.053	ug/L	98
115) 1,2,4-Tcbenzene	13.647	180	325815	55.718	ug/L	97
116) Hexachlorobt	13.775	225	141579	60.640	ug/L	98
117) Naphthalen	13.842	128	1021226	53.667	ug/L	100
118) 1,2,3-Tclbenzene	14.031	180	326564	56.022	ug/L	98
119) 2,4,5-Trichlorotoluene	14.616	159	232391	58.398	ug/L	99
120) 2,3,6-Trichlorotoluene	14.702	159	220656	58.899	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8527.D
Acq On : 05 Mar 2024 01:05 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 06 14:26:35 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration



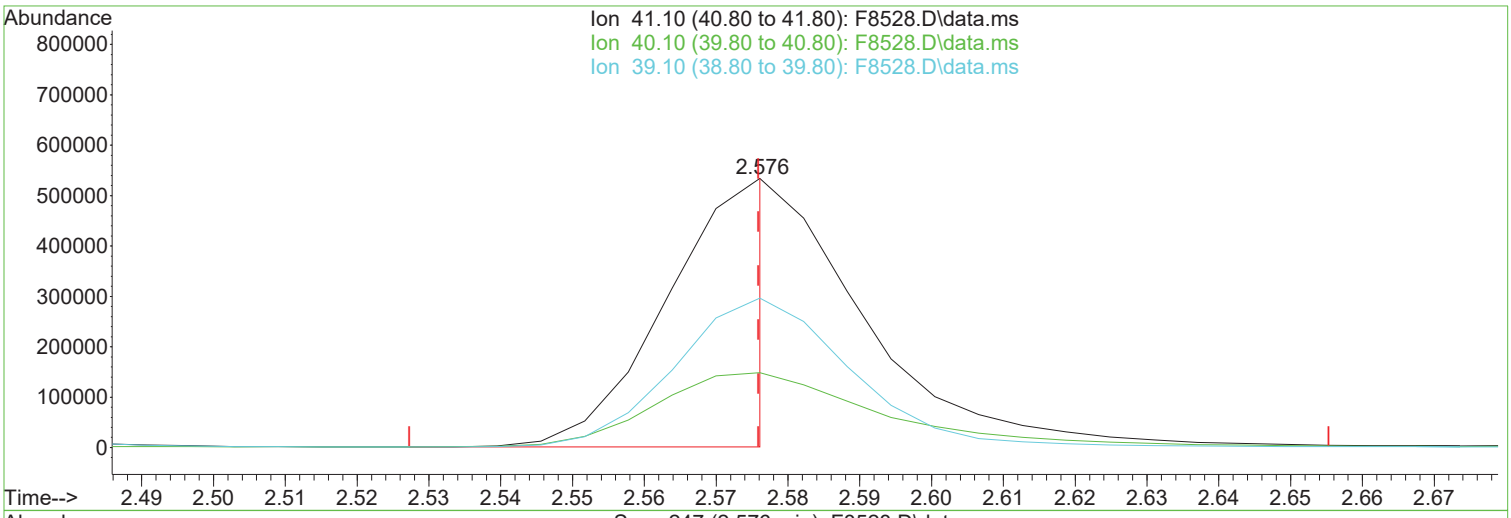
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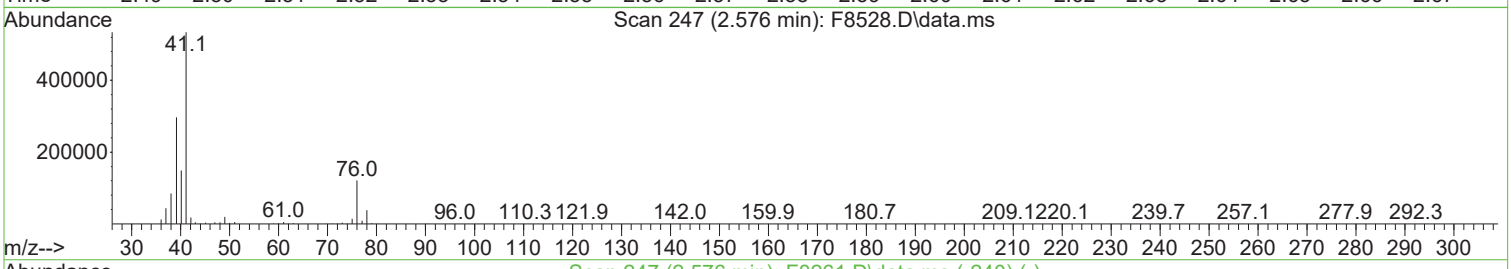
1st FJ 03/06/24
2nd 03/07/24

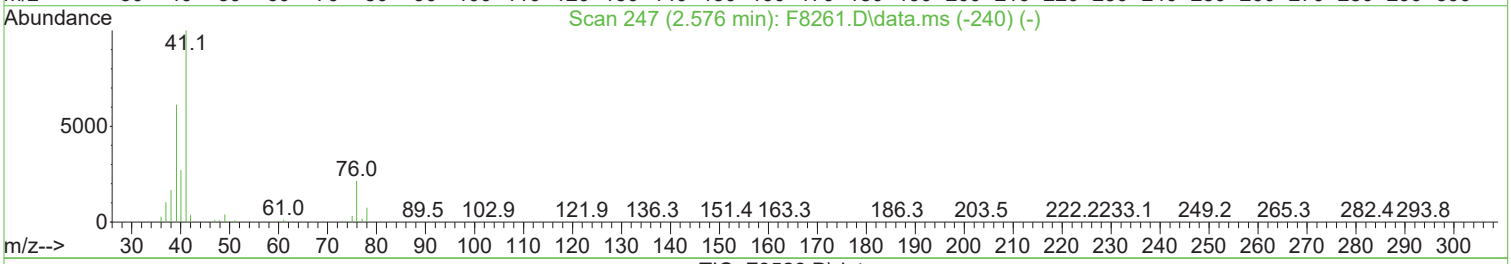
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8528.D
Acq On : 05 Mar 2024 01:27 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 06 14:27:59 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8528.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 504.32 ug/L m

response 561456

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	27.87
39.10	61.30	55.54
0.00	0.00	0.00

Manual Integration:

After

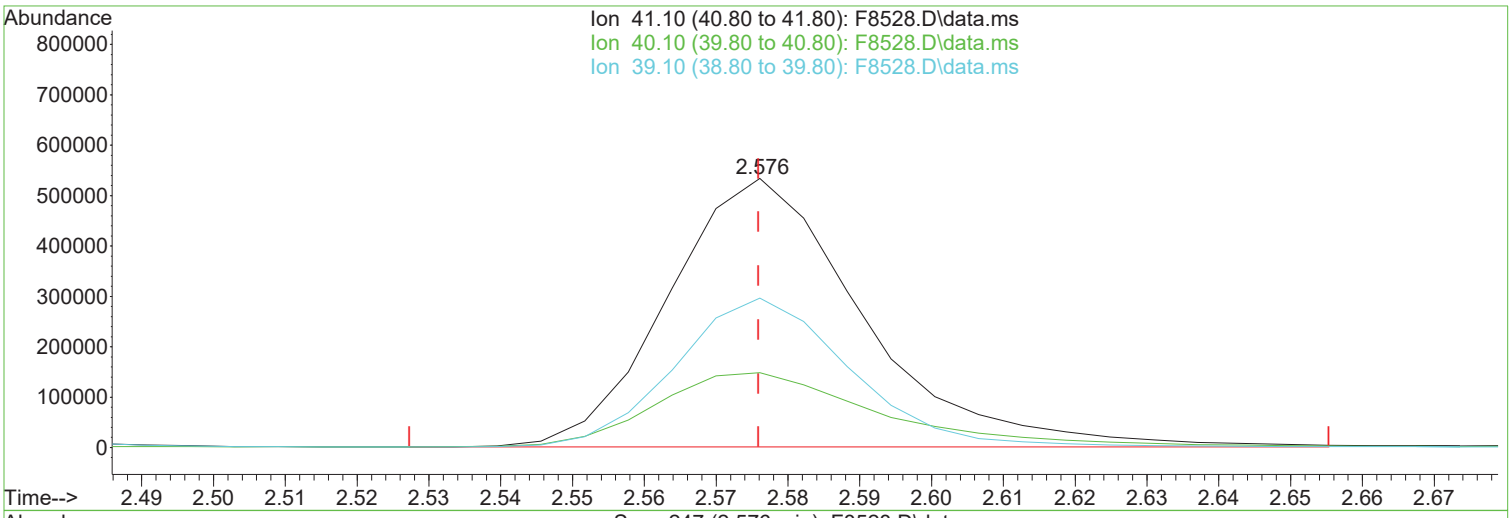
Poor integration.

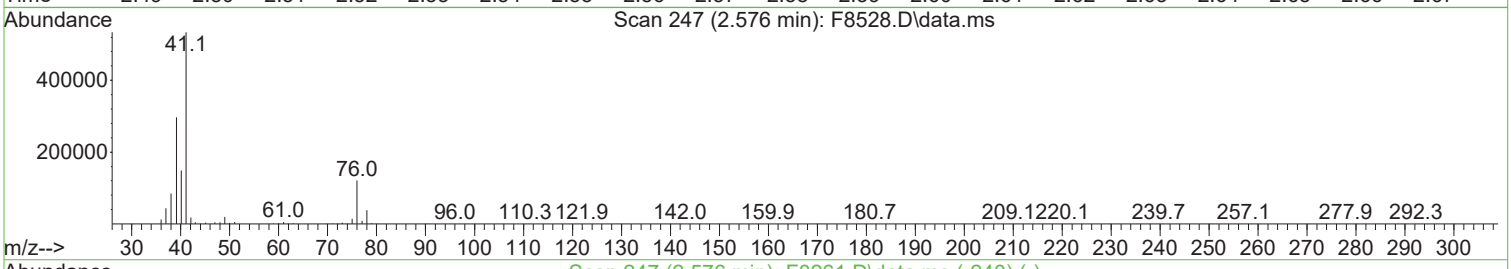
03/06/24

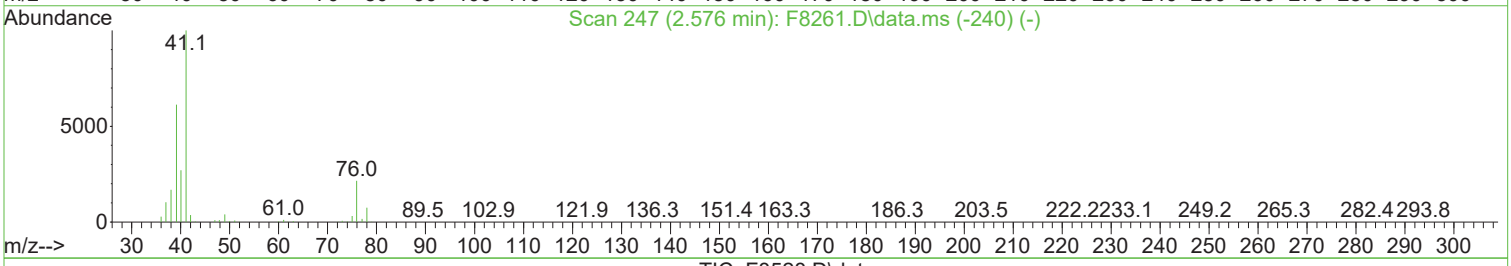
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8528.D
Acq On : 05 Mar 2024 01:27 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 06 14:27:59 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8528.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 909.88 ug/L

response 1012968

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	27.87
39.10	61.30	55.54
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8528.D
Acq On : 05 Mar 2024 01:27 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 06 14:27:59 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	439523	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	670396	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.940	117	593505	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	349974	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	414494	96.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 192.88%#			
48) surr1,1,2-dichloroetha...	5.777	65	512287	90.83	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 181.66%#			
65) SURR3,Toluene-d8	8.368	98	1529645	87.51	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 175.02%#			
70) SURR2,BFB	11.044	95	587629	88.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 177.00%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.143	51	443450	121.434	ug/L	99
3) Dichlorodifluoromethane	1.119	85	521985	113.542	ug/L	98
4) Chloromethane	1.265	50	563139	112.392	ug/L	97
5) Vinyl Chloride	1.326	62	565322	105.973	ug/L	95
6) Bromomethane	1.546	94	317320	55.716	ug/L	100
7) Chloroethane	1.619	64	455062	94.648	ug/L	97
8) Freon 21	1.777	67	835964	94.283	ug/L	99
9) Trichlorofluoromethane	1.814	101	677524	96.510	ug/L	97
10) Diethyl Ether	2.052	59	365490	88.609	ug/L	99
11) Freon 123a	2.064	67	441390	90.839	ug/L	92
12) Freon 123	2.119	83	511692	100.950	ug/L	97
13) Acrolein	2.168	56	620441	640.562	ug/L	99
14) 1,1-Diclethene	2.241	96	355065	112.932	ug/L	92
15) Freon 113	2.241	101	351439	111.450	ug/L	89
16) Acetone	2.308	43	231831	88.923	ug/L	99
17) 2-Propanol	2.448	45	840915	2006.365	ug/L	98
18) Iodomethane	2.375	142	546695	115.407	ug/L	92
19) Carbon Disulfide	2.430	76	997668	103.061	ug/L	99
20) Acetonitrile	2.576	41	561456m	504.317	ug/L	
21) Allyl Chloride	2.576	76	192184	99.894	ug/L #	86
22) Methyl Acetate	2.607	43	635115	98.792	ug/L	99
23) Methylene Chloride	2.698	84	396476	92.742	ug/L	99
24) TBA	2.850	59	1390699	1906.407	ug/L	95
25) Acrylonitrile	2.978	53	1213525	505.111	ug/L	100
26) Methyl-t-Butyl Ether	2.991	73	1320003	96.001	ug/L	99
27) trans-1,2-Dichloroethene	2.985	96	388976	103.118	ug/L	97
28) 1,1-Diclethane	3.491	63	713091	99.700	ug/L	99
29) Vinyl Acetate	3.588	86	55029	93.202	ug/L #	68
30) DIPE	3.594	45	1228527	94.186	ug/L	99
31) 2-Chloro-1,3-Butadiene	3.600	53	624512	93.209	ug/L	98
32) ETBE	4.125	59	1118276	90.622	ug/L	100
33) 2,2-Dichloropropane	4.320	77	499154	98.930	ug/L	92
34) cis-1,2-Dichloroethene	4.332	96	435977	97.393	ug/L	98
35) 2-Butanone	4.411	43	308850	87.120	ug/L	100
36) Propionitrile	4.521	54	503475	474.218	ug/L	99
37) Bromochloromethane	4.740	130	284414	96.117	ug/L	99
38) Methacrylonitrile	4.777	67	246221	94.808	ug/L	99
39) Tetrahydrofuran	4.826	42	221094	93.957	ug/L	99
40) Chloroform	4.917	83	699360	93.848	ug/L	99

1st FNJ 03/06/24
2nd WR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8528.D
Acq On : 05 Mar 2024 01:27 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 06 14:27:59 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41)	1,1,1-Trichloroethane	5.197	97	577829	98.659	ug/L	98
42)	TAME	6.069	73	1094964	90.303	ug/L	99
44)	Cyclohexane	5.258	41	382260	99.199	ug/L	98
46)	Carbontetrachloride	5.472	117	471733	114.192	ug/L	98
47)	1,1-Dichloropropene	5.490	75	515283	105.559	ug/L	98
49)	Benzene	5.832	78	1488706	99.334	ug/L	98
50)	1,2-Dichloroethane	5.899	62	603472	91.869	ug/L	99
51)	Iso-Butyl Alcohol	5.899	43	586616	2023.548	ug/L	100
52)	n-Heptane	6.307	43	448868	99.643	ug/L	97
53)	1-Butanol	6.904	56	922974	5541.721	ug/L	97
54)	Trichloroethene	6.813	130	416177	103.585	ug/L	96
55)	Methylcyclohexane	7.033	55	477431	100.820	ug/L	99
56)	1,2-Diclpropane	7.124	63	427052	103.634	ug/L	99
57)	Dibromomethane	7.270	93	291157	94.965	ug/L	99
58)	1,4-Dioxane	7.350	88	186334	1874.805	ug/L	100
59)	Methyl Methacrylate	7.362	69	378377	101.521	ug/L	99
60)	Bromodichloromethane	7.508	83	539394	102.586	ug/L	99
61)	2-Nitropropane	7.831	41	281649	206.640	ug/L	97
62)	2-Chloroethylvinyl Ether	7.935	63	295249	106.399	ug/L	96
63)	cis-1,3-Dichloropropene	8.075	75	627397	105.630	ug/L	99
64)	4-Methyl-2-pentanone	8.301	43	649682	96.697	ug/L	98
66)	Toluene	8.447	91	1618138	94.272	ug/L	100
67)	trans-1,3-Dichloropropene	8.752	75	547734	101.159	ug/L	100
68)	Ethyl Methacrylate	8.892	69	628962	100.398	ug/L	96
69)	1,1,2-Trichloroethane	8.953	97	407454	97.152	ug/L	97
72)	Tetrachloroethene	9.063	164	326985	115.771	ug/L	94
73)	2-Hexanone	9.258	43	464170	100.837	ug/L	97
74)	1,3-Dichloropropane	9.124	76	680875	100.597	ug/L	99
75)	Dibromochloromethane	9.361	129	442384	116.760	ug/L	99
76)	N-Butyl Acetate	9.410	43	877909	105.196	ug/L	97
77)	1,2-Dibromoethane	9.459	107	377061	92.999	ug/L	98
78)	3-Chlorobenzotrifluoride	9.983	180	616908	113.798	ug/L	96
79)	Chlorobenzene	9.965	112	1063122	98.232	ug/L	99
80)	4-Chlorobenzotrifluoride	10.044	180	555576	119.770	ug/L	97
81)	1,1,1,2-Tetrachloroethane	10.056	131	394783	120.698	ug/L	97
82)	Ethylbenzene	10.087	106	561325	103.881	ug/L	99
83)	(m+p)Xylene	10.203	106	1455071	214.458	ug/L	98
84)	o-Xylene	10.568	106	724563	105.468	ug/L	97
85)	Styrene	10.587	104	1237921	107.506	ug/L	99
86)	Bromoform	10.751	173	301897	115.306	ug/L	100
87)	2-Chlorobenzotrifluoride	10.831	180	621043	116.019	ug/L	98
88)	Isopropylbenzene	10.910	105	1864987	108.557	ug/L	99
89)	Cyclohexanone	11.001	55	1830510	1426.113	ug/L	99
90)	trans-1,4-Dichloro-2-B...	11.251	53	114730	61.698	ug/L	95
92)	1,1,2,2-Tetrachloroethane	11.196	83	660198	101.472	ug/L	99
93)	Bromobenzene	11.166	156	482104	95.430	ug/L	99
94)	1,2,3-Trichloropropane	11.227	110	204617	93.429	ug/L	94
95)	n-Propylbenzene	11.276	91	2238091	100.059	ug/L	99
96)	2-Chlorotoluene	11.343	91	1299842	96.512	ug/L	99
97)	3-Chlorotoluene	11.398	91	1324480	96.472	ug/L	99
98)	4-Chlorotoluene	11.440	91	1545163	99.436	ug/L	98
99)	1,3,5-Trimethylbenzene	11.434	105	1657553	103.876	ug/L	98
100)	tert-Butylbenzene	11.708	119	1354471	101.735	ug/L	99
101)	1,2,4-Trimethylbenzene	11.751	105	1642593	102.457	ug/L	98
102)	3,4-Dichlorobenzotrifl...	11.818	214	516431	113.773	ug/L	96
103)	sec-Butylbenzene	11.891	105	1989598	103.320	ug/L	99

1st FJ 03/06/24
2nd JR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8528.D
Acq On : 05 Mar 2024 01:27 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 06 14:27:59 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

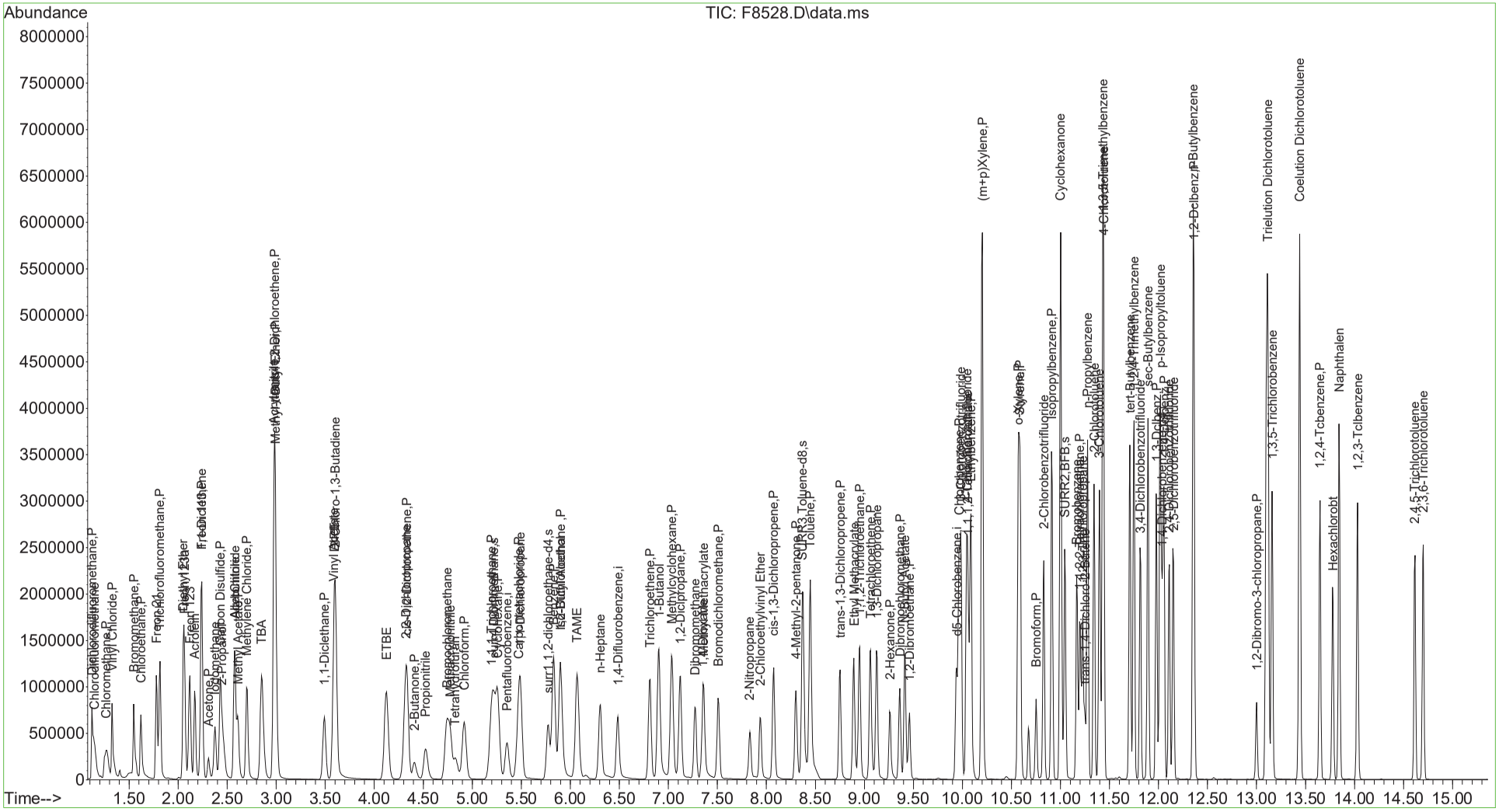
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104)	p-Isopropyltoluene	12.019	119	1750382	108.058	ug/L	97
105)	1,3-Dclbenz	11.977	146	929031	101.501	ug/L	99
106)	1,4-Dclbenz	12.056	146	942219	94.054	ug/L	98
107)	2,4-Dichlorobenzotrifl...	12.111	214	468279	113.077	ug/L	96
108)	2,5-Dichlorobenzotrifl...	12.153	214	530040	114.419	ug/L	97
109)	n-Butylbenzene	12.355	91	1587080	110.319	ug/L	99
110)	1,2-Dclbenz	12.361	146	946562	99.808	ug/L	98
111)	1,2-Dibromo-3-chloropr...	13.001	157	161529	108.481	ug/L	98
112)	Trielution Dichlorotol...	13.111	125	2450003	317.297	ug/L	99
113)	1,3,5-Trichlorobenzene	13.159	180	716808	106.380	ug/L	99
114)	Coelution Dichlorotoluene	13.440	125	1818085	214.196	ug/L	98
115)	1,2,4-Tcbenzene	13.647	180	695250	109.650	ug/L	96
116)	Hexachlorobt	13.781	225	307816	121.588	ug/L	96
117)	Naphthalen	13.842	128	2166790	105.014	ug/L	99
118)	1,2,3-Tclbenzene	14.031	180	687828	108.820	ug/L	97
119)	2,4,5-Trichlorotoluene	14.616	159	478760	110.952	ug/L	98
120)	2,3,6-Trichlorotoluene	14.702	159	468283	115.278	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8528.D
Acq On : 05 Mar 2024 01:27 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
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ALS Vial : 11 Sample Multiplier: 1

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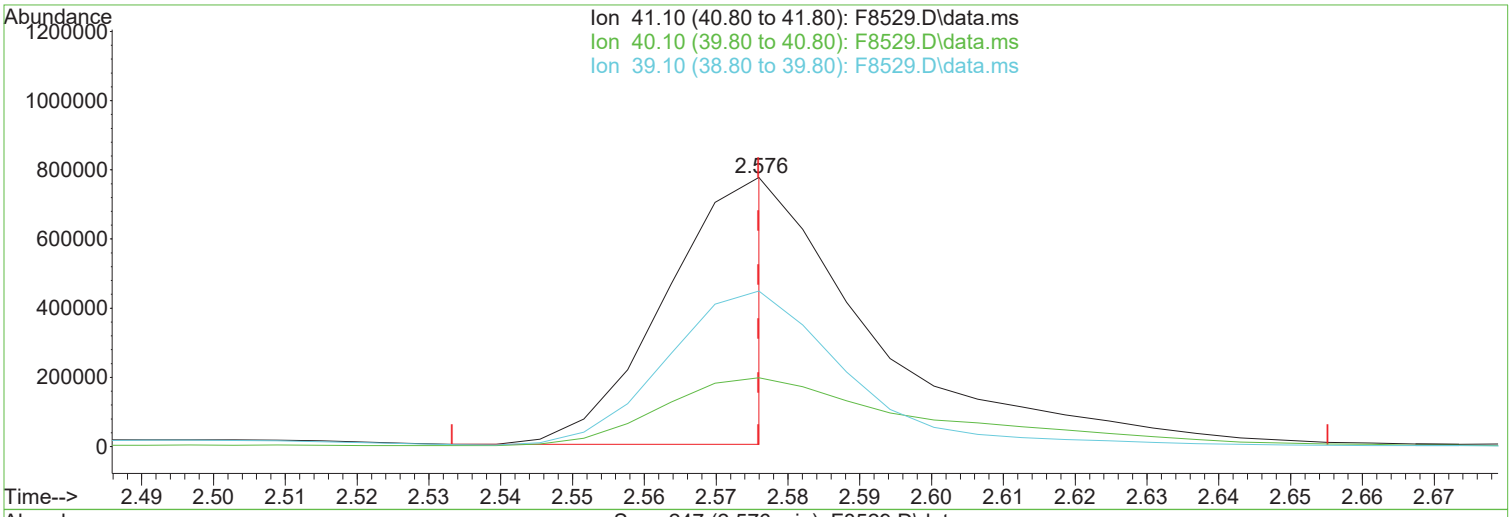


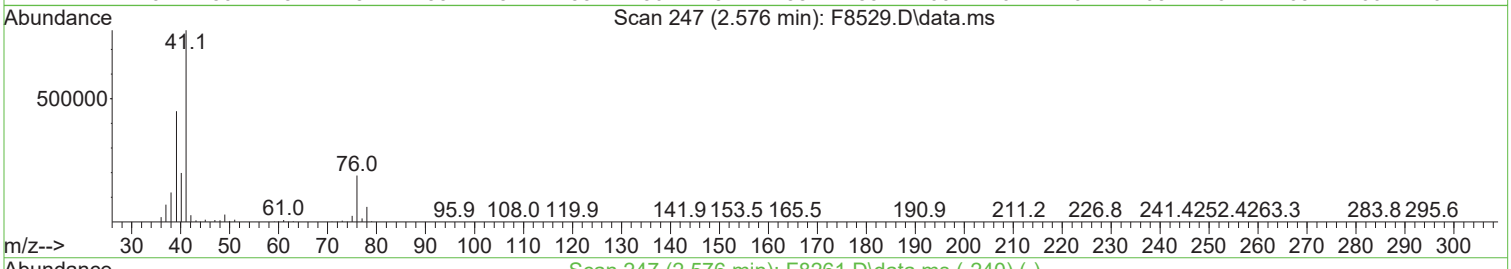
1st FJ 03/06/24
2nd 03/07/24

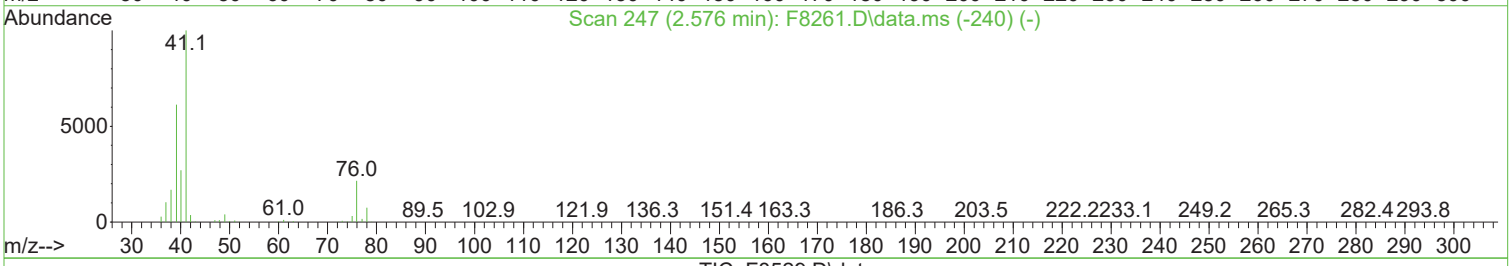
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8529.D
Acq On : 05 Mar 2024 01:50 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 06 14:29:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8529.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 685.00 ug/L m

response 819549

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	25.58
39.10	61.30	57.78
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

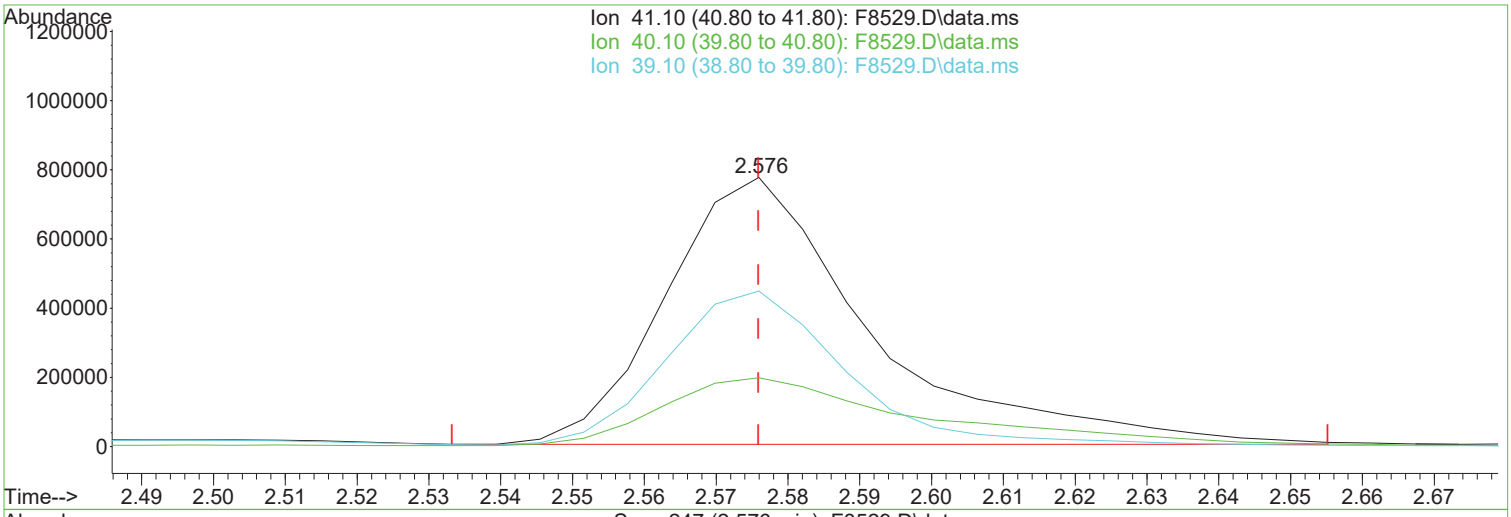
03/06/24

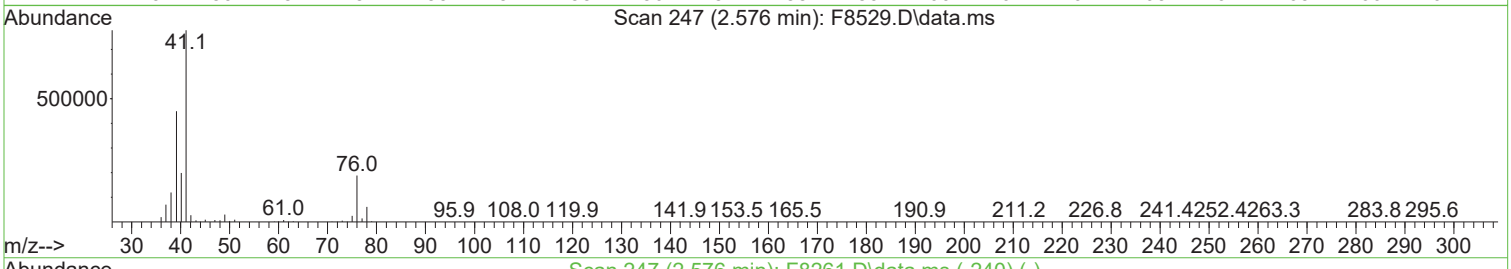
1st FN 03/06/24
2nd MR 03/07/24

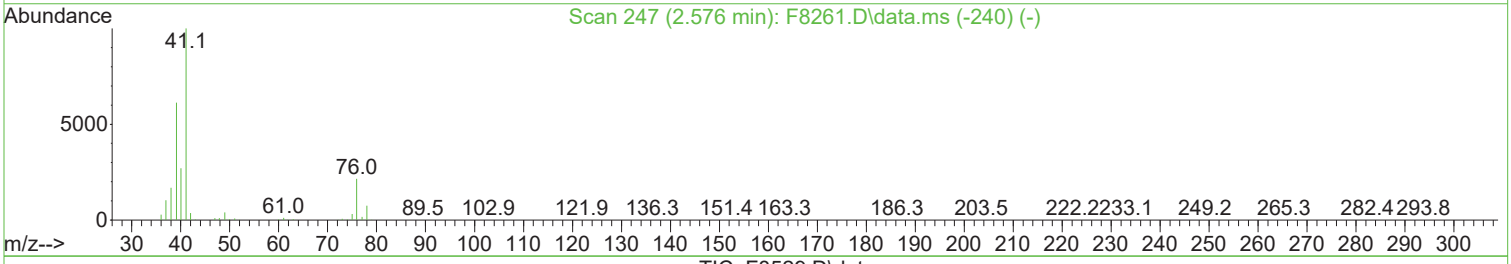
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8529.D
Acq On : 05 Mar 2024 01:50 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 06 14:29:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8529.D\data.ms

(20) Acetonitrile

2.576min (+ 0.000) 1284.11 ug/L

response 1536327

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	25.58
39.10	61.30	57.78
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8529.D
Acq On : 05 Mar 2024 01:50 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 06 14:29:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	472336	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	710021	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.940	117	635683	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	369344	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	829029	182.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 364.26%#			
48) surr1,1,2-dichloroetha...	5.777	65	1013485	169.66	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 339.32%#			
65) SURR3,Toluene-d8	8.374	98	3083939	166.58	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 333.16%#			
70) SURR2,BFB	11.044	95	1213409	172.55	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 345.10%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.149	51	672787	171.437	ug/L	99
3) Dichlorodifluoromethane	1.119	85	758310	153.489	ug/L	97
4) Chloromethane	1.271	50	788710	146.477	ug/L	97
5) Vinyl Chloride	1.326	62	760568	132.669	ug/L	96
6) Bromomethane	1.546	94	494511	80.795	ug/L	99
7) Chloroethane	1.613	64	724508	140.222	ug/L	99
8) Freon 21	1.777	67	1275552	133.867	ug/L	99
9) Trichlorofluoromethane	1.808	101	978151	129.654	ug/L	98
10) Diethyl Ether	2.052	59	633788	142.981	ug/L	99
11) Freon 123a	2.064	67	748680	143.376	ug/L	91
12) Freon 123	2.113	83	817955	150.161	ug/L	100
13) Acrolein	2.167	56	961413	923.636	ug/L	100
14) 1,1-Diclethene	2.235	96	523190	154.845	ug/L	93
15) Freon 113	2.235	101	515134	152.013	ug/L	91
16) Acetone	2.308	43	352190	125.704	ug/L	99
17) 2-Propanol	2.454	45	1377923	3059.239	ug/L	97
18) Iodomethane	2.375	142	782224	153.656	ug/L	93
19) Carbon Disulfide	2.424	76	1483274	142.580	ug/L	99
20) Acetonitrile	2.576	41	819549m	685.004	ug/L	
21) Allyl Chloride	2.576	76	300292	145.243	ug/L #	78
22) Methyl Acetate	2.606	43	992604	143.674	ug/L	99
23) Methylene Chloride	2.698	84	604279	131.531	ug/L	97
24) TBA	2.862	59	2243299	2861.542	ug/L	98
25) Acrylonitrile	2.984	53	1899065	735.544	ug/L	99
26) Methyl-t-Butyl Ether	2.990	73	2098848	142.041	ug/L	100
27) trans-1,2-Dichloroethene	2.978	96	583289	143.889	ug/L	99
28) 1,1-Diclethane	3.490	63	1069605	139.156	ug/L	98
29) Vinyl Acetate	3.588	86	90719	142.976	ug/L #	72
30) DIPE	3.600	45	1887223	134.634	ug/L	90
31) 2-Chloro-1,3-Butadiene	3.600	53	933399	129.632	ug/L	97
32) ETBE	4.124	59	1732617	130.653	ug/L	100
33) 2,2-Dichloropropane	4.313	77	764812	141.052	ug/L	95
34) cis-1,2-Dichloroethene	4.332	96	656692	136.508	ug/L	99
35) 2-Butanone	4.411	43	495719	130.117	ug/L	100
36) Propionitrile	4.527	54	778328	682.171	ug/L	97
37) Bromochloromethane	4.734	130	430470	135.370	ug/L	96
38) Methacrylonitrile	4.777	67	379497	135.975	ug/L	98
39) Tetrahydrofuran	4.825	42	337414	133.428	ug/L	99
40) Chloroform	4.917	83	1054516	131.677	ug/L	98

1st FNJ 03/06/24
2nd WR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8529.D
Acq On : 05 Mar 2024 01:50 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 06 14:29:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41)	1,1,1-Trichloroethane	5.197	97	863061	137.123	ug/L	99
42)	TAME	6.069	73	1733562	133.038	ug/L	99
44)	Cyclohexane	5.252	41	575468	141.004	ug/L	98
46)	Carbontetrachloride	5.472	117	709670	162.202	ug/L	96
47)	1,1-Dichloropropene	5.490	75	763980	147.772	ug/L	97
49)	Benzene	5.831	78	2238720	141.042	ug/L	99
50)	1,2-Dichloroethane	5.898	62	916752	131.773	ug/L	98
51)	Iso-Butyl Alcohol	5.941	43	943909	3074.327	ug/L	96
52)	n-Heptane	6.301	43	679582	142.439	ug/L	97
53)	1-Butanol	6.929	56	1496933	8486.287	ug/L	97
54)	Trichloroethene	6.807	130	611177	143.630	ug/L	99
55)	Methylcyclohexane	7.032	55	735218	146.593	ug/L	97
56)	1,2-Diclpropane	7.124	63	648228	148.528	ug/L	99
57)	Dibromomethane	7.270	93	445648	137.242	ug/L	98
58)	1,4-Dioxane	7.355	88	286379	2720.605	ug/L	96
59)	Methyl Methacrylate	7.362	69	602581	152.654	ug/L	99
60)	Bromodichloromethane	7.508	83	838702	150.609	ug/L	99
61)	2-Nitropropane	7.831	41	466446	323.123	ug/L	95
62)	2-Chloroethylvinyl Ether	7.941	63	476937	162.283	ug/L	99
63)	cis-1,3-Dichloropropene	8.075	75	1004040	159.609	ug/L	100
64)	4-Methyl-2-pentanone	8.300	43	1018536	143.136	ug/L	98
66)	Toluene	8.447	91	2478351	136.329	ug/L	100
67)	trans-1,3-Dichloropropene	8.752	75	905824	157.957	ug/L	100
68)	Ethyl Methacrylate	8.892	69	1029804	155.208	ug/L	95
69)	1,1,2-Trichloroethane	8.953	97	630767	142.005	ug/L	97
72)	Tetrachloroethene	9.062	164	483072	159.686	ug/L	96
73)	2-Hexanone	9.258	43	753141	152.758	ug/L	98
74)	1,3-Dichloropropane	9.123	76	1074287	148.190	ug/L	99
75)	Dibromochloromethane	9.361	129	704675	173.648	ug/L	99
76)	N-Butyl Acetate	9.410	43	1475325	165.053	ug/L	97
77)	1,2-Dibromoethane	9.459	107	620474	142.880	ug/L	98
78)	3-Chlorobenzotrifluoride	9.983	180	893952	153.962	ug/L	98
79)	Chlorobenzene	9.965	112	1639987	141.479	ug/L	98
80)	4-Chlorobenzotrifluoride	10.044	180	797502	160.517	ug/L	96
81)	1,1,1,2-Tetrachloroethane	10.056	131	616813	176.067	ug/L	98
82)	Ethylbenzene	10.087	106	844350	145.891	ug/L	100
83)	(m+p)Xylene	10.203	106	2228271	306.627	ug/L	96
84)	o-Xylene	10.568	106	1116605	151.750	ug/L	98
85)	Styrene	10.587	104	1926439	156.199	ug/L	99
86)	Bromoform	10.751	173	499214	178.019	ug/L	100
87)	2-Chlorobenzotrifluoride	10.830	180	911346	158.955	ug/L	96
88)	Isopropylbenzene	10.910	105	2824650	153.508	ug/L	99
89)	Cyclohexanone	11.001	55	2961584	2154.218	ug/L	98
90)	trans-1,4-Dichloro-2-B...	11.251	53	196535	98.678	ug/L	91
92)	1,1,2,2-Tetrachloroethane	11.196	83	1041968	151.750	ug/L	100
93)	Bromobenzene	11.166	156	748227	140.340	ug/L	96
94)	1,2,3-Trichloropropane	11.227	110	320113	138.500	ug/L	92
95)	n-Propylbenzene	11.275	91	3399953	144.031	ug/L	99
96)	2-Chlorotoluene	11.343	91	1994331	140.311	ug/L	99
97)	3-Chlorotoluene	11.397	91	1998348	137.921	ug/L	98
98)	4-Chlorotoluene	11.440	91	2397227	146.178	ug/L	98
99)	1,3,5-Trimethylbenzene	11.434	105	2545440	151.153	ug/L	99
100)	tert-Butylbenzene	11.708	119	2051903	146.036	ug/L	100
101)	1,2,4-Trimethylbenzene	11.751	105	2521462	149.028	ug/L	98
102)	3,4-Dichlorobenzotrifl...	11.818	214	762464	159.167	ug/L	96
103)	sec-Butylbenzene	11.891	105	3028094	149.003	ug/L	99

1st FJ 03/06/24
2nd JR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8529.D
Acq On : 05 Mar 2024 01:50 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 06 14:29:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

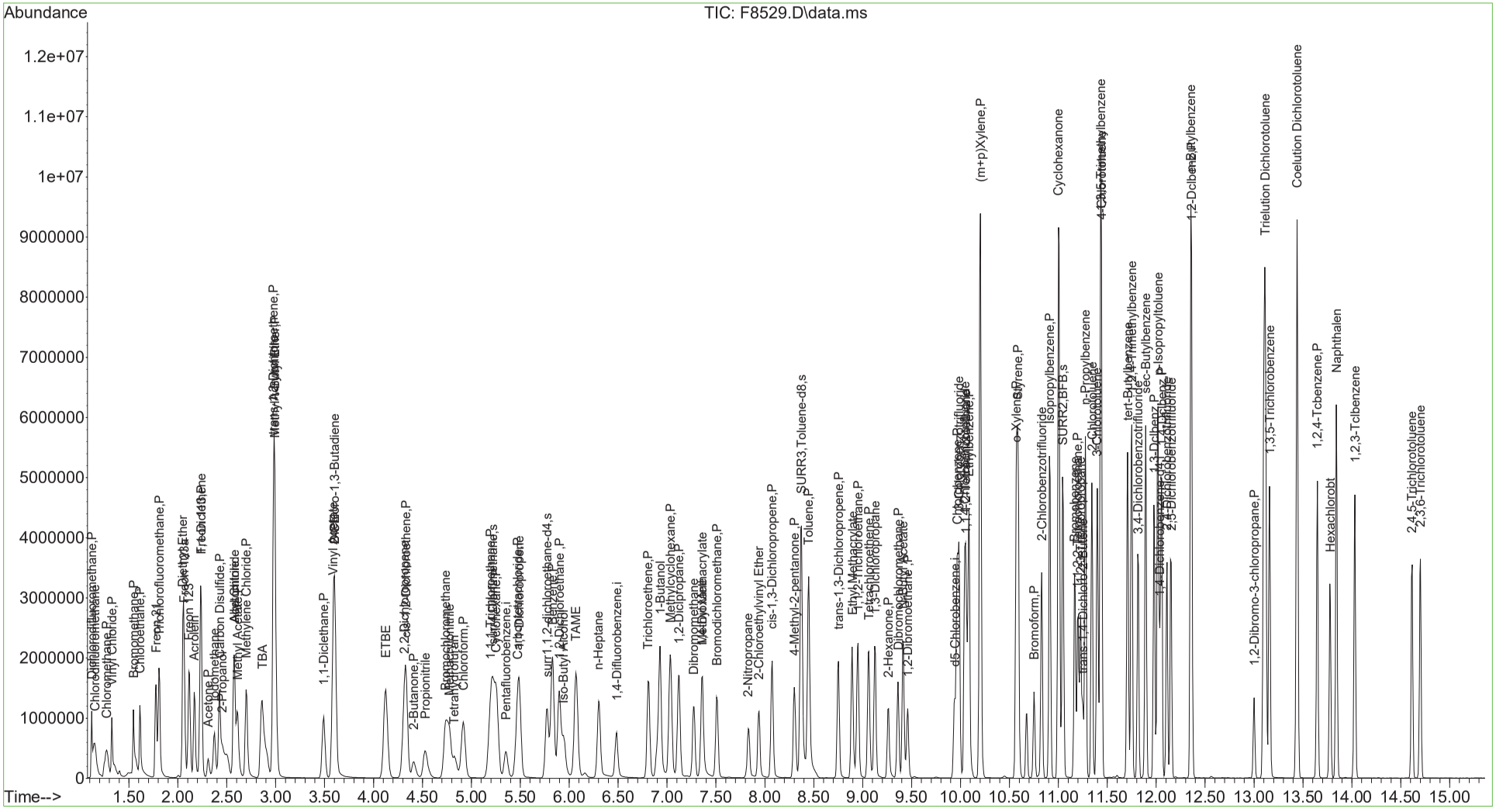
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.019	119	2667371	156.032	ug/L	97
105) 1,3-Dclbenz	11.977	146	1420181	147.025	ug/L	99
106) 1,4-Dclbenz	12.056	146	1454218	137.550	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.111	214	689319	157.723	ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.153	214	781124	159.776	ug/L	97
109) n-Butylbenzene	12.355	91	2437906	160.573	ug/L	99
110) 1,2-Dclbenz	12.361	146	1491400	149.009	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.001	157	266026	169.290	ug/L	98
112) Trielution Dichlorotol...	13.110	125	3810307	467.589	ug/L	99
113) 1,3,5-Trichlorobenzene	13.159	180	1098756	154.513	ug/L	99
114) Coelution Dichlorotoluene	13.440	125	2821696	315.002	ug/L	97
115) 1,2,4-Tcbenzene	13.647	180	1083440	161.912	ug/L	96
116) Hexachlorobt	13.775	225	470474	176.092	ug/L	97
117) Naphthalen	13.842	128	3440736	158.010	ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	1069418	160.318	ug/L	98
119) 2,4,5-Trichlorotoluene	14.616	159	721138	158.359	ug/L	99
120) 2,3,6-Trichlorotoluene	14.702	159	667055	155.598	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8529.D
Acq On : 05 Mar 2024 01:50 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 06 14:29:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

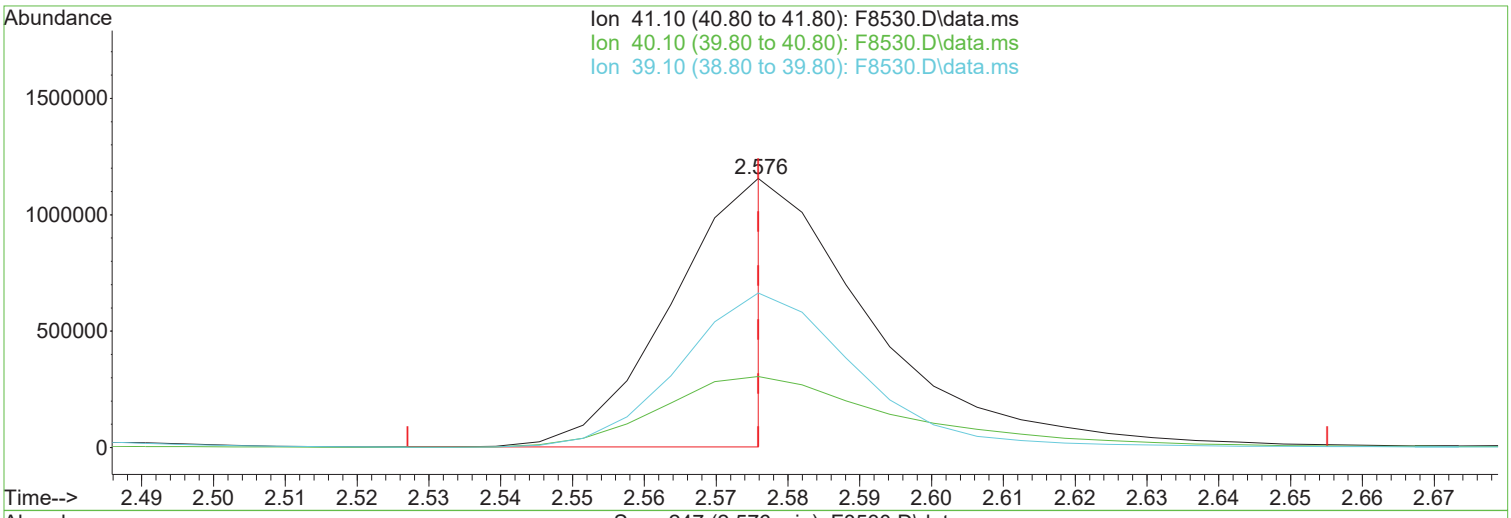


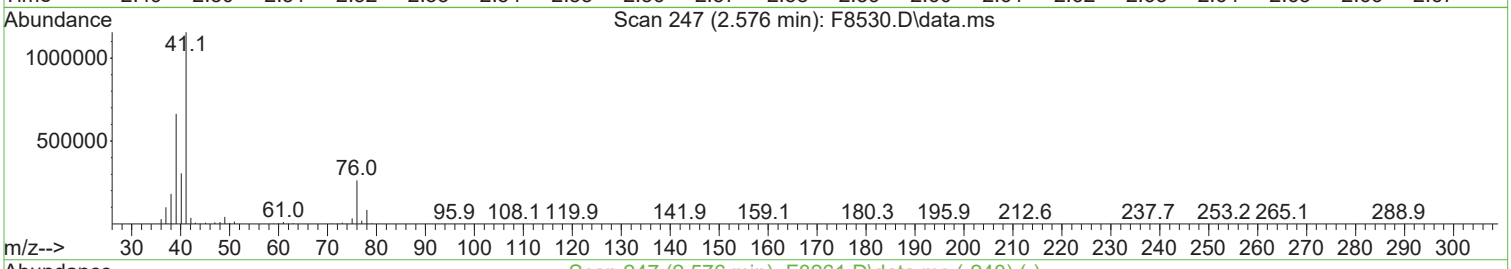
1st FJ 03/06/24
2nd 03/07/24

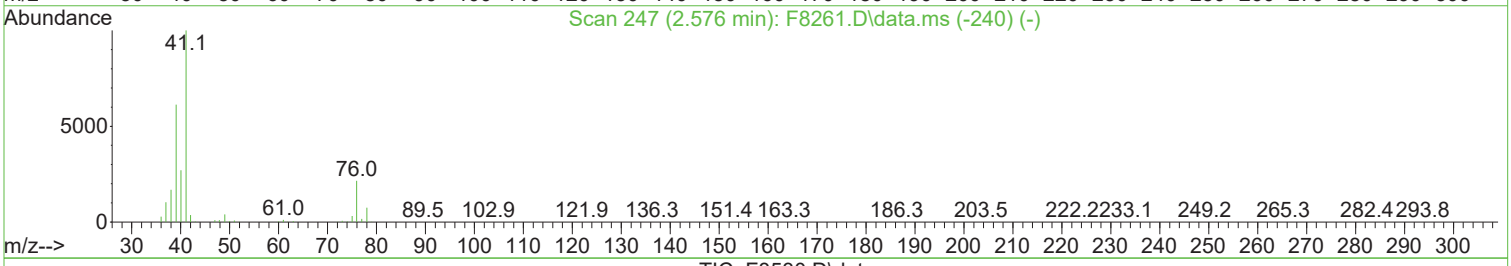
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8530.D
Acq On : 05 Mar 2024 02:12 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 06 14:30:37 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8530.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 967.10 ug/L m

response 1153443

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	26.40
39.10	61.30	57.50
0.00	0.00	0.00

Manual Integration:

After

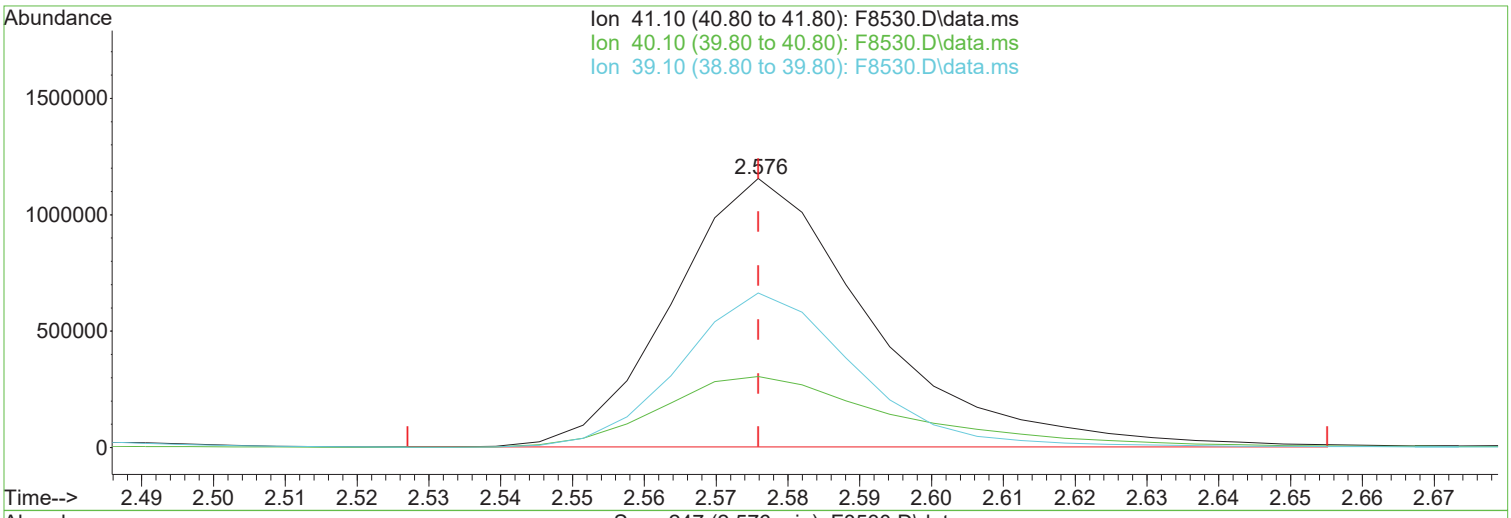
Poor integration.

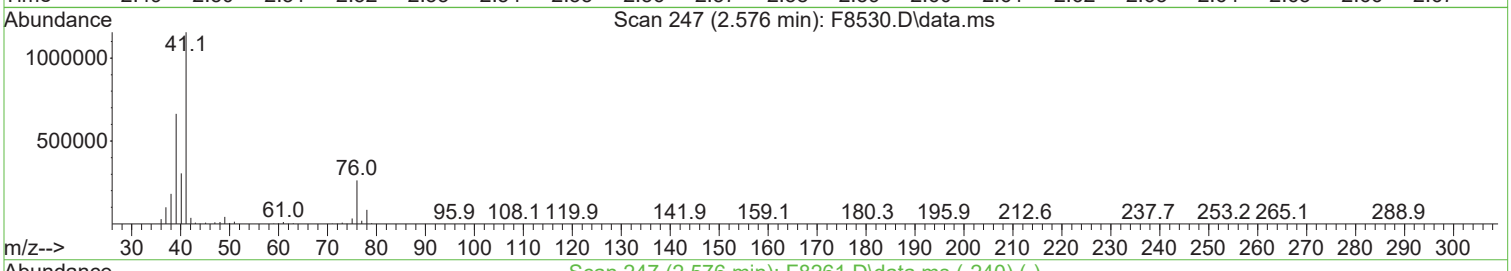
03/06/24

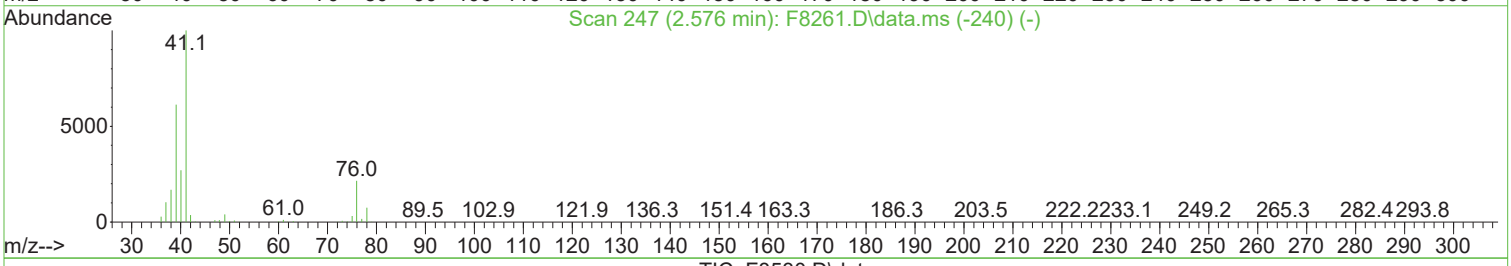
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8530.D
Acq On : 05 Mar 2024 02:12 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 06 14:30:37 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration







TIC: F8530.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 1869.11 ug/L

response 2229260

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	27.60	26.40
39.10	61.30	57.50
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8530.D
Acq On : 05 Mar 2024 02:12 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 06 14:30:37 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.356	168	470863	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.484	114	720269	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.940	117	650557	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.037	152	375120	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.222	113	225562	48.85	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.70%				
48) surr1,1,2-dichloroetha...	5.776	65	278553	45.97	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 91.94%				
65) SURR3,Toluene-d8	8.374	98	836352	44.53	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 89.06%				
70) SURR2,BFB	11.044	95	323136	45.30	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.60%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.149	51	980562	250.645	ug/L		97
3) Dichlorodifluoromethane	1.119	85	1068901	217.032	ug/L		97
4) Chloromethane	1.271	50	1093615	203.738	ug/L		95
5) Vinyl Chloride	1.326	62	1115477	195.186	ug/L		95
6) Bromomethane	1.546	94	733932	120.288	ug/L		99
7) Chloroethane	1.619	64	924331	179.455	ug/L		100
8) Freon 21	1.777	67	1831875	192.853	ug/L		99
9) Trichlorofluoromethane	1.814	101	1381636	183.709	ug/L		98
10) Diethyl Ether	2.052	59	874698	197.947	ug/L		99
11) Freon 123a	2.064	67	1094743	210.304	ug/L		94
12) Freon 123	2.119	83	1193008	219.699	ug/L		99
13) Acrolein	2.167	56	1381017	1330.903	ug/L		99
14) 1,1-Diclethene	2.241	96	753045	223.571	ug/L		91
15) Freon 113	2.241	101	744627	220.422	ug/L		92
16) Acetone	2.308	43	485169	173.708	ug/L		98
17) 2-Propanol	2.454	45	2045947	4556.584	ug/L		97
18) Iodomethane	2.375	142	1190809	234.648	ug/L		95
19) Carbon Disulfide	2.430	76	2191498	211.318	ug/L		99
20) Acetonitrile	2.576	41	1153443m	967.099	ug/L		
21) Allyl Chloride	2.576	76	422850	205.161	ug/L	#	87
22) Methyl Acetate	2.606	43	1403569	203.794	ug/L		99
23) Methylene Chloride	2.704	84	846589	184.850	ug/L		95
24) TBA	2.856	59	3365915	4306.978	ug/L		99
25) Acrylonitrile	2.984	53	2698970	1048.632	ug/L		100
26) Methyl-t-Butyl Ether	2.990	73	3011515	204.444	ug/L		99
27) trans-1,2-Dichloroethene	2.984	96	842143	208.394	ug/L		97
28) 1,1-Diclethane	3.490	63	1502326	196.065	ug/L		99
29) Vinyl Acetate	3.588	86	135827	214.738	ug/L	#	77
30) DIPE	3.600	45	2745662	196.488	ug/L		93
31) 2-Chloro-1,3-Butadiene	3.606	53	1373998	191.420	ug/L		98
32) ETBE	4.124	59	2538722	192.039	ug/L		99
33) 2,2-Dichloropropane	4.319	77	1108795	205.132	ug/L		94
34) cis-1,2-Dichloroethene	4.338	96	931360	194.210	ug/L		98
35) 2-Butanone	4.411	43	699981	184.307	ug/L		100
36) Propionitrile	4.527	54	1089269	957.685	ug/L		100
37) Bromochloromethane	4.740	130	605707	191.072	ug/L		97
38) Methacrylonitrile	4.777	67	532973	191.564	ug/L		97
39) Tetrahydrofuran	4.825	42	476275	188.929	ug/L		98
40) Chloroform	4.917	83	1481990	185.634	ug/L		97

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8530.D
Acq On : 05 Mar 2024 02:12 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 06 14:30:37 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41)	1,1,1-Trichloroethane	5.197	97	1243751	198.225	ug/L	99
42)	TAME	6.069	73	2525968	194.455	ug/L	99
44)	Cyclohexane	5.258	41	848495	204.944	ug/L	99
46)	Carbontetrachloride	5.472	117	1039532	234.214	ug/L	99
47)	1,1-Dichloropropene	5.490	75	1080638	206.048	ug/L	97
49)	Benzene	5.831	78	3189291	198.071	ug/L	99
50)	1,2-Dichloroethane	5.898	62	1300484	184.270	ug/L	98
51)	Iso-Butyl Alcohol	5.911	43	1416115	4546.685	ug/L	97
52)	n-Heptane	6.307	43	966386	199.671	ug/L	98
53)	1-Butanol	6.916	56	2327194	13005.422	ug/L	97
54)	Trichloroethene	6.813	130	869805	201.501	ug/L	97
55)	Methylcyclohexane	7.038	55	1071486	210.601	ug/L	96
56)	1,2-Diclpropane	7.124	63	903816	204.144	ug/L	97
57)	Dibromomethane	7.276	93	623979	189.427	ug/L	93
58)	1,4-Dioxane	7.349	88	406895	3810.510	ug/L	98
59)	Methyl Methacrylate	7.362	69	860028	214.774	ug/L	97
60)	Bromodichloromethane	7.508	83	1197075	211.905	ug/L	99
61)	2-Nitropropane	7.831	41	705020	481.442	ug/L	95
62)	2-Chloroethylvinyl Ether	7.941	63	689581	231.299	ug/L	99
63)	cis-1,3-Dichloropropene	8.075	75	1447358	226.808	ug/L	99
64)	4-Methyl-2-pentanone	8.300	43	1462254	202.568	ug/L	97
66)	Toluene	8.447	91	3523614	191.070	ug/L	99
67)	trans-1,3-Dichloropropene	8.752	75	1323144	227.447	ug/L	99
68)	Ethyl Methacrylate	8.892	69	1470103	218.416	ug/L	95
69)	1,1,2-Trichloroethane	8.953	97	893216	198.229	ug/L	98
72)	Tetrachloroethene	9.062	164	690977	223.189	ug/L	98
73)	2-Hexanone	9.264	43	1074708	212.996	ug/L	99
74)	1,3-Dichloropropane	9.129	76	1504640	202.809	ug/L	98
75)	Dibromochloromethane	9.361	129	1017034	244.890	ug/L	99
76)	N-Butyl Acetate	9.416	43	2127060	232.525	ug/L	99
77)	1,2-Dibromoethane	9.459	107	888718	199.971	ug/L	98
78)	3-Chlorobenzotrifluoride	9.989	180	1326379	223.214	ug/L	97
79)	Chlorobenzene	9.965	112	2357385	198.718	ug/L	98
80)	4-Chlorobenzotrifluoride	10.044	180	1178453	231.769	ug/L	97
81)	1,1,1,2-Tetrachloroethane	10.056	131	897259	250.263	ug/L	97
82)	Ethylbenzene	10.087	106	1219358	205.869	ug/L	97
83)	(m+p)Xylene	10.202	106	3223446	433.429	ug/L	94
84)	o-Xylene	10.574	106	1592339	211.456	ug/L	97
85)	Styrene	10.586	104	2755391	218.304	ug/L	98
86)	Bromoform	10.751	173	727113	253.359	ug/L	100
87)	2-Chlorobenzotrifluoride	10.830	180	1347672	229.684	ug/L	98
88)	Isopropylbenzene	10.916	105	4087182	217.044	ug/L	100
89)	Cyclohexanone	11.001	55	3898213	2770.680	ug/L	99
90)	trans-1,4-Dichloro-2-B...	11.251	53	286366	140.493	ug/L	90
92)	1,1,2,2-Tetrachloroethane	11.202	83	1471173	210.960	ug/L	99
93)	Bromobenzene	11.172	156	1050799	194.057	ug/L	95
94)	1,2,3-Trichloropropane	11.227	110	447264	190.533	ug/L	91
95)	n-Propylbenzene	11.275	91	4918888	205.169	ug/L	98
96)	2-Chlorotoluene	11.342	91	2866197	198.546	ug/L	99
97)	3-Chlorotoluene	11.397	91	3028639	205.811	ug/L	97
98)	4-Chlorotoluene	11.440	91	3418506	205.244	ug/L	96
99)	1,3,5-Trimethylbenzene	11.434	105	3710880	216.965	ug/L	99
100)	tert-Butylbenzene	11.708	119	2957840	207.272	ug/L	100
101)	1,2,4-Trimethylbenzene	11.751	105	3659451	212.957	ug/L	99
102)	3,4-Dichlorobenzotrifl...	11.818	214	1103164	226.743	ug/L	98
103)	sec-Butylbenzene	11.891	105	4391265	212.753	ug/L	100

1st FJ 03/06/24
2nd JR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8530.D
Acq On : 05 Mar 2024 02:12 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 06 14:30:37 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

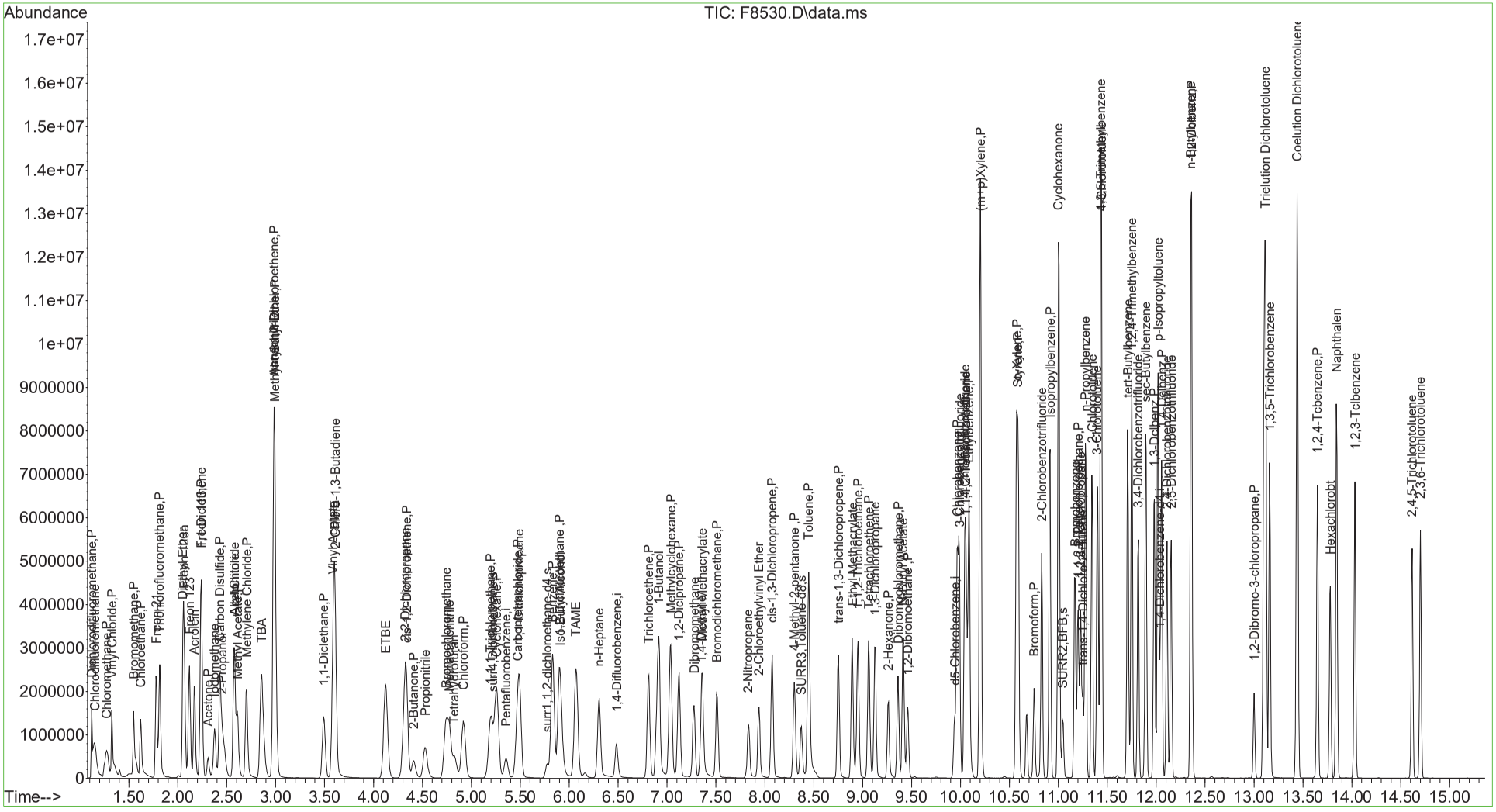
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
104) p-Isopropyltoluene	12.019	119	3884774	223.747 ug/L	98
105) 1,3-Dclbenz	11.983	146	2044097	208.357 ug/L	98
106) 1,4-Dclbenz	12.056	146	2079452	193.661 ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.111	214	1003440	226.062 ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.153	214	1136446	228.877 ug/L	98
109) n-Butylbenzene	12.354	91	3571218	231.597 ug/L	99
110) 1,2-Dclbenz	12.361	146	2124483	208.994 ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.001	157	384058	240.638 ug/L	97
112) Trielution Dichlorotol...	13.117	125	5624968	679.650 ug/L	99
113) 1,3,5-Trichlorobenzene	13.159	180	1607364	222.555 ug/L	98
114) Coelution Dichlorotoluene	13.440	125	4139033	454.949 ug/L	96
115) 1,2,4-Tcbenzene	13.647	180	1535566	225.945 ug/L	96
116) Hexachlorobt	13.781	225	662721	244.228 ug/L	94
117) Naphthalen	13.842	128	4904946	221.783 ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	1527051	225.398 ug/L	99
119) 2,4,5-Trichlorotoluene	14.616	159	1054579	228.015 ug/L	99
120) 2,3,6-Trichlorotoluene	14.702	159	1007062	231.291 ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8530.D
Acq On : 05 Mar 2024 02:12 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 06 14:30:37 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Feb 21 09:22:24 2024
Response via : Initial Calibration

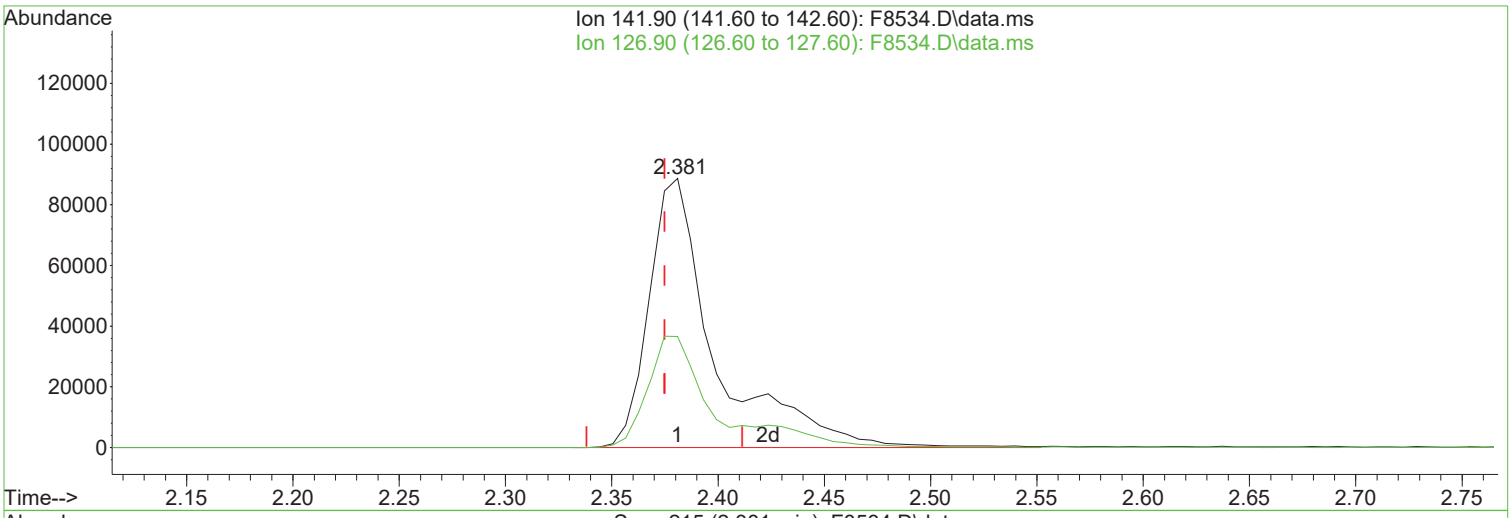


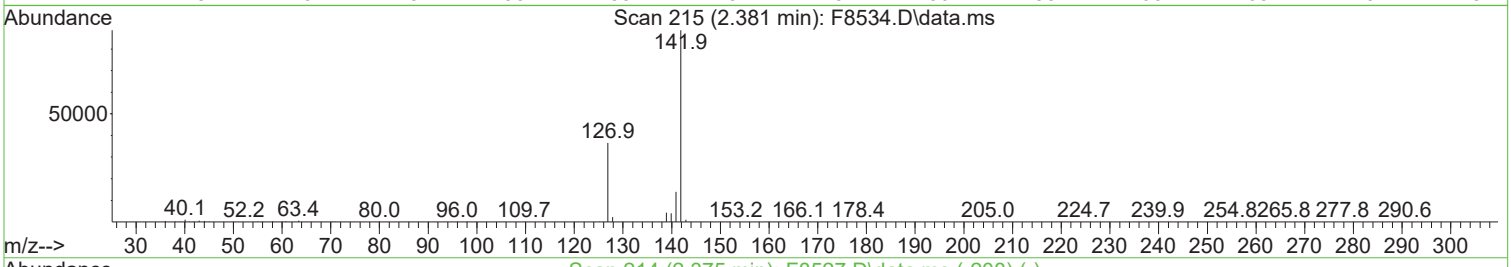
1st FJ 03/06/24
2nd 03/07/24

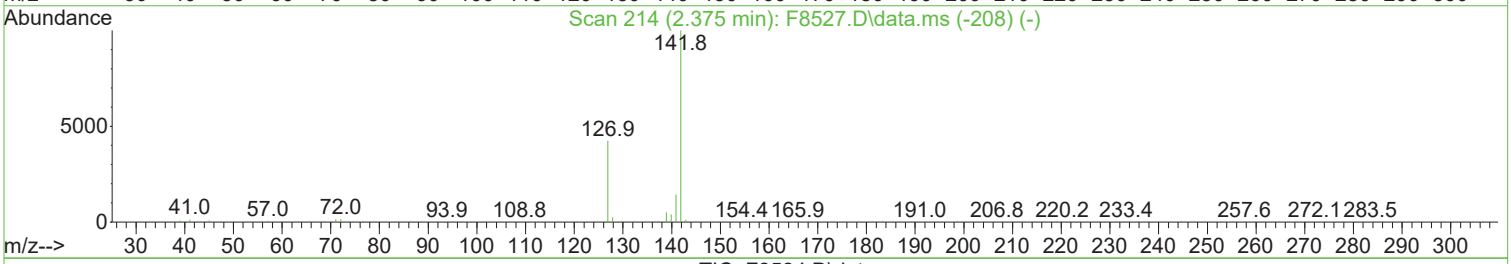
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8534.D\data.ms

(18) Iodomethane

2.381min (+ 0.006) 38.67 ug/L m

response 193245

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	42.50	41.23
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

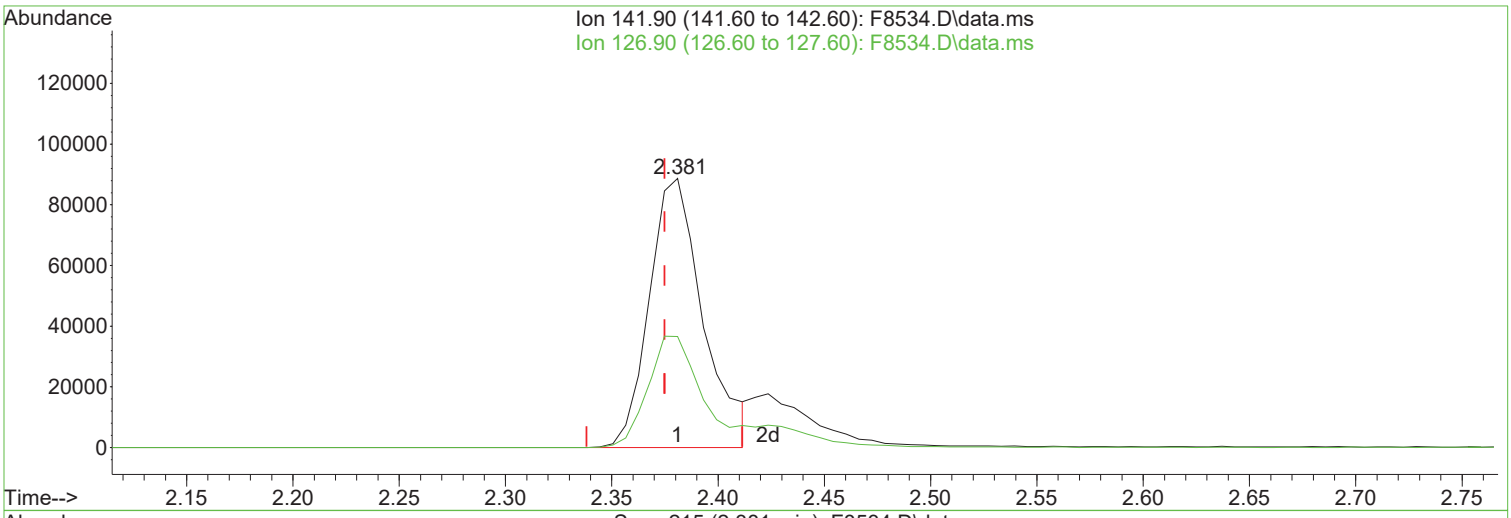
Poor integration.

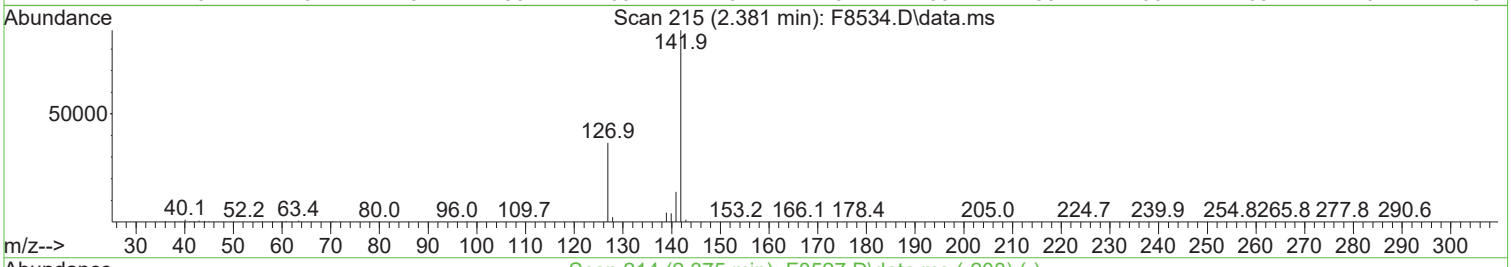
03/06/24

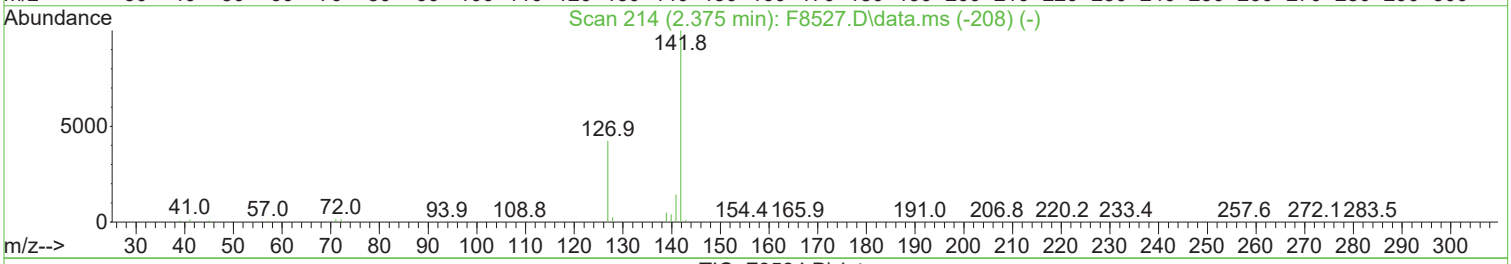
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8534.D\data.ms

(18) Iodomethane

2.381min (+ 0.006) 31.08 ug/L

response 155335

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	42.50	41.23
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

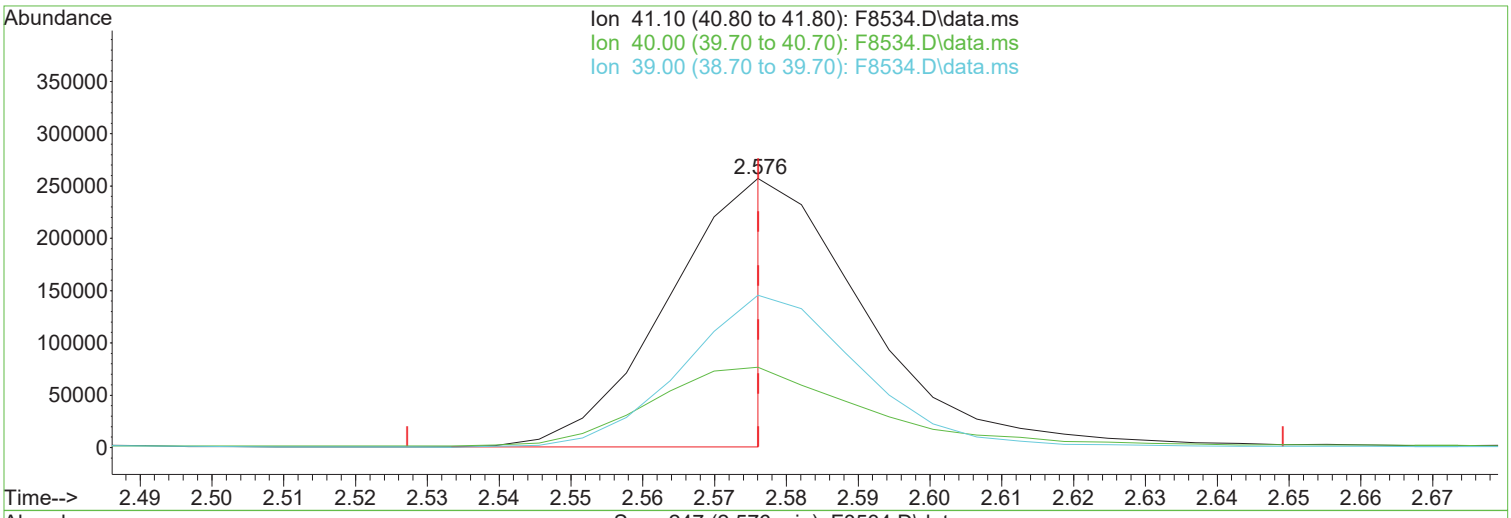
Before

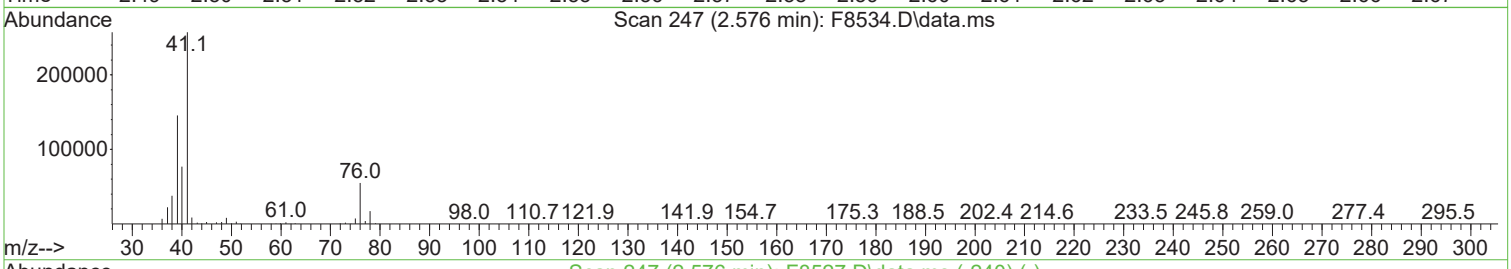
03/06/24

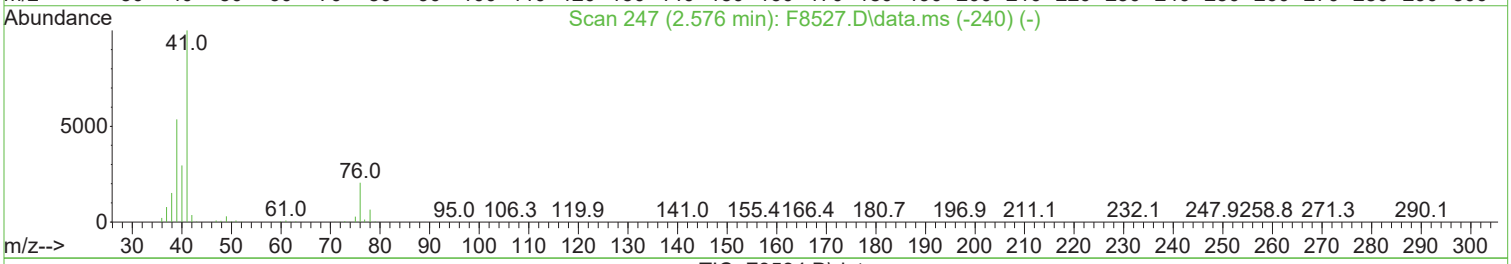
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8534.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 244.53 ug/L m

response 266666

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	29.86
39.00	53.70	56.65
0.00	0.00	0.00

Manual Integration:

After

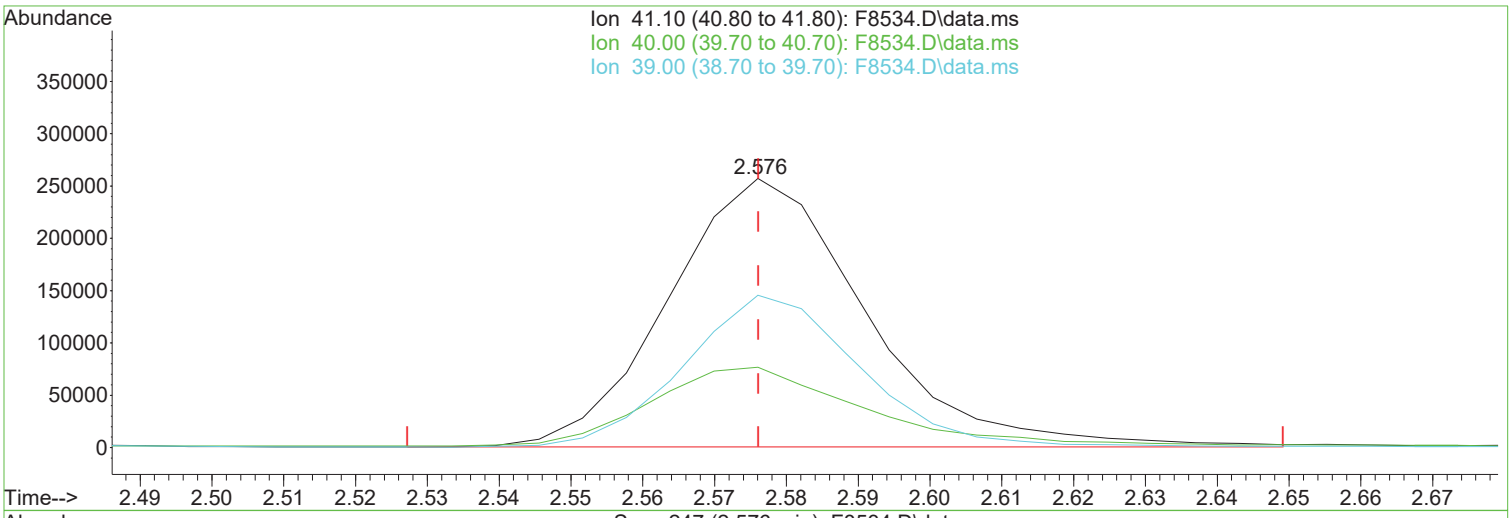
Poor integration.

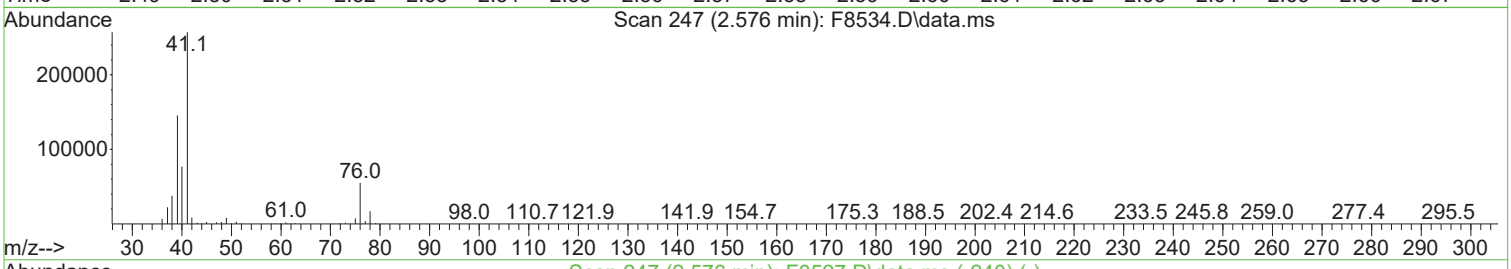
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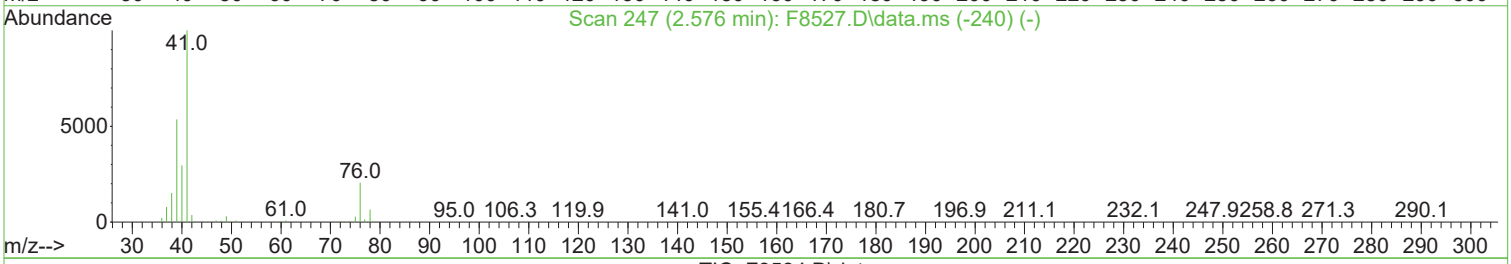
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8534.D\data.ms

(20) Acetonitrile **Manual Integration:**

2.576min (-0.000) 450.66 ug/L **Before**

response 491463

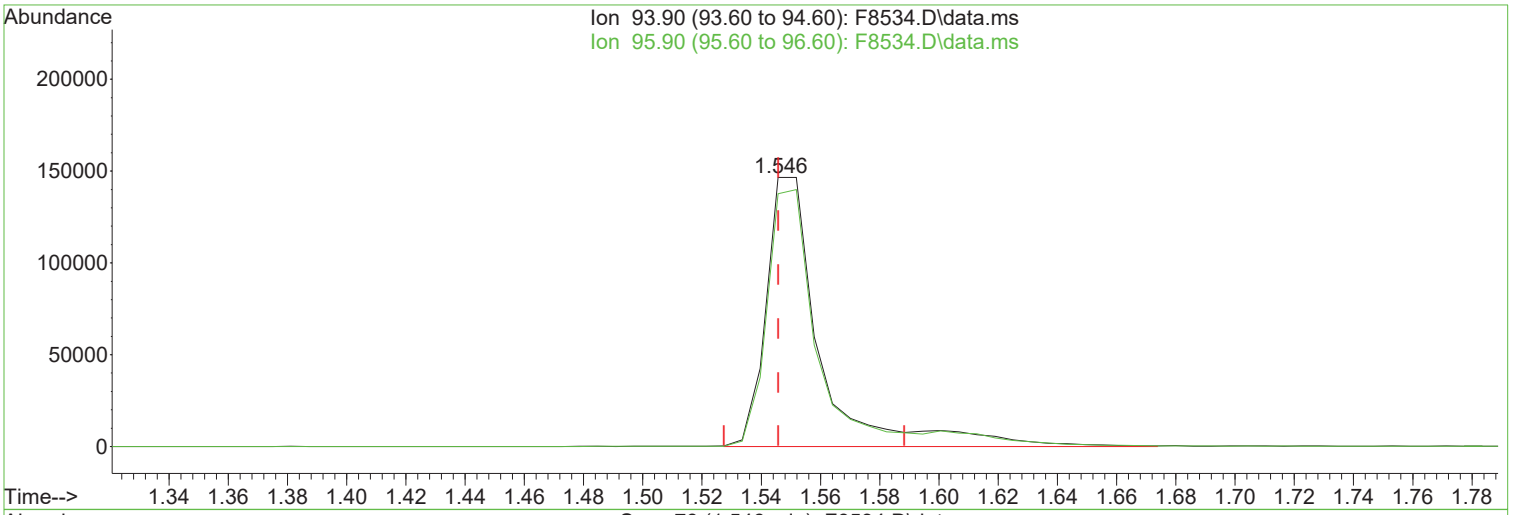
Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	29.86
39.00	53.70	56.65
0.00	0.00	0.00

03/06/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



TIC: F8534.D\data.ms

(6) Bromomethane (P)

1.546min (-0.000) 48.38 ug/L m

response 188749

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	93.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

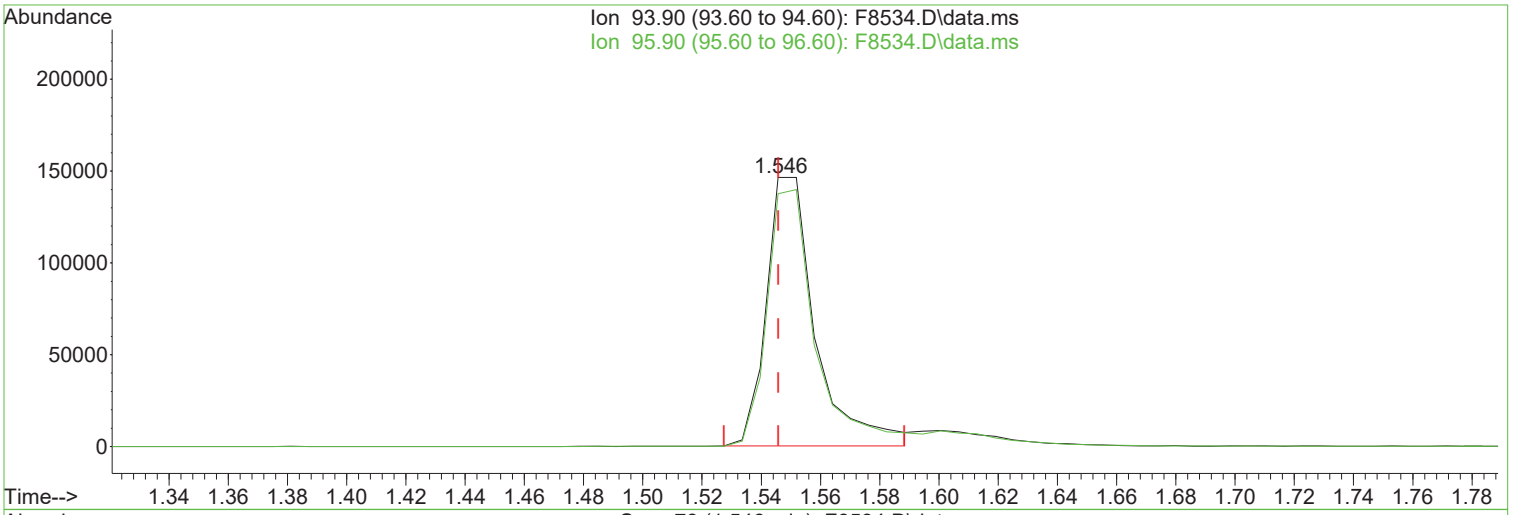
Poor integration.

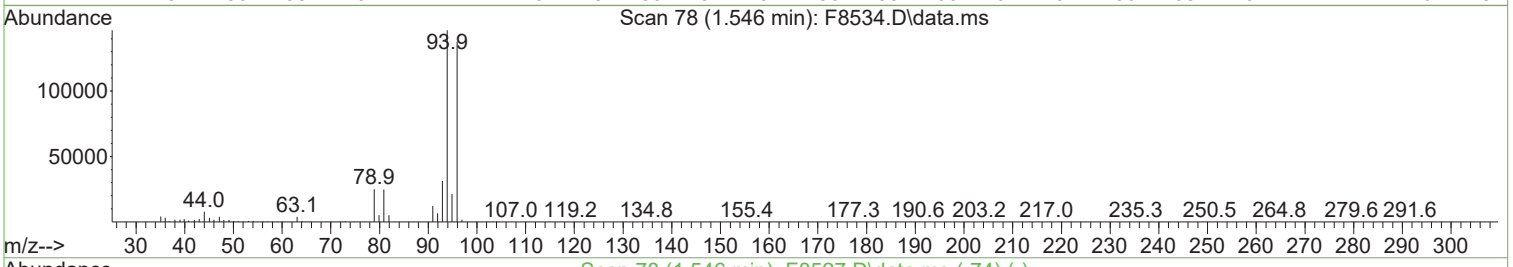
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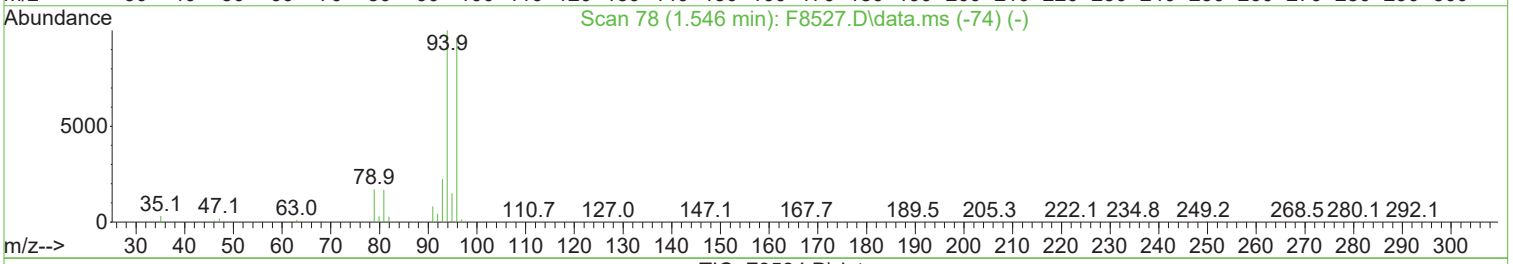
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8534.D\data.ms

(6) Bromomethane (P)

1.546min (-0.000) 43.38 ug/L

response 169245

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	93.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

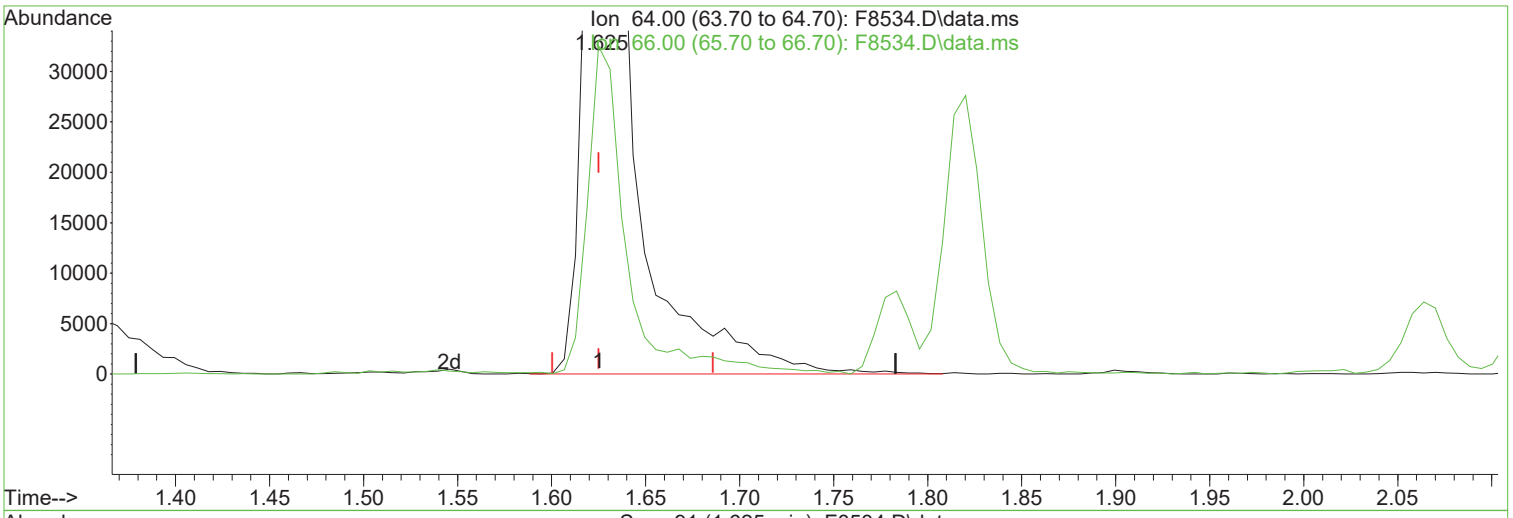
Before

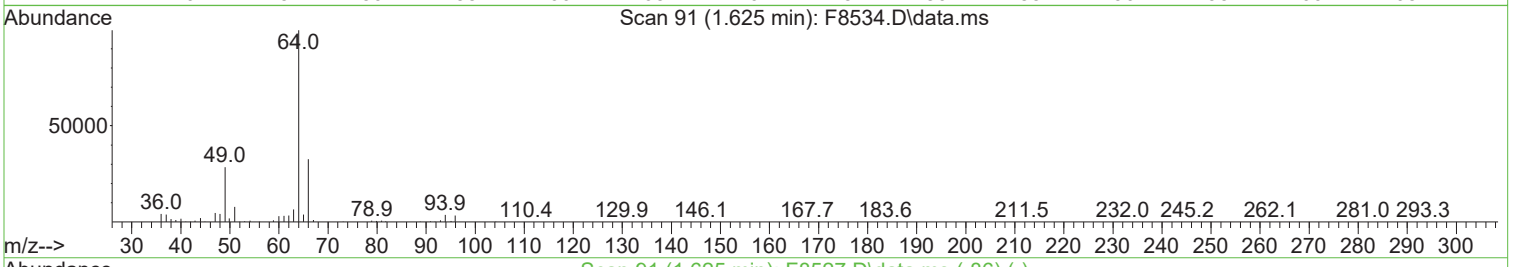
03/06/24

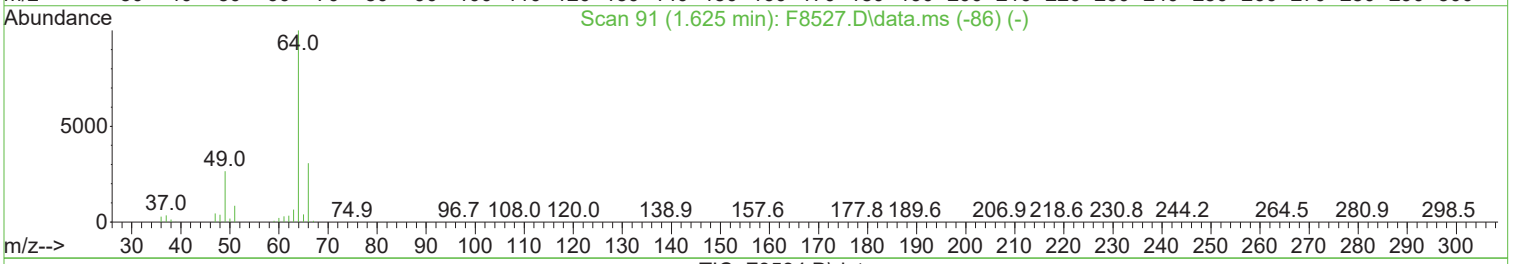
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8534.D\data.ms

(7) Chloroethane (P)

1.625min (-0.000) 34.21 ug/L m

response 147267

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.80	32.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

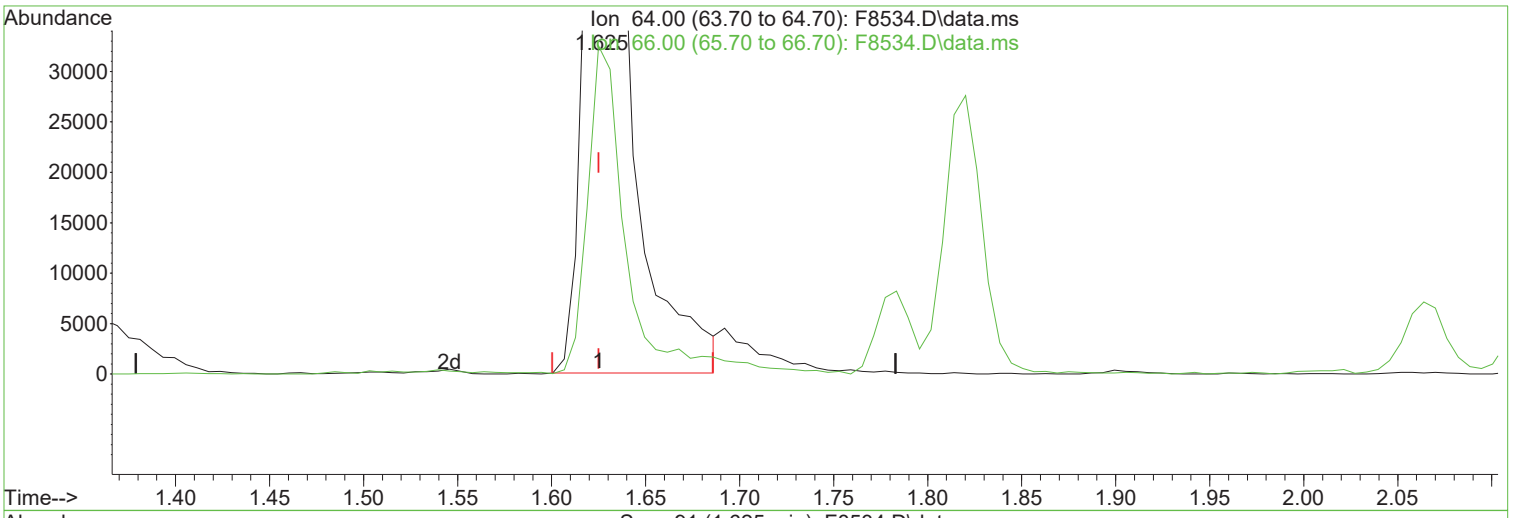
Poor integration.

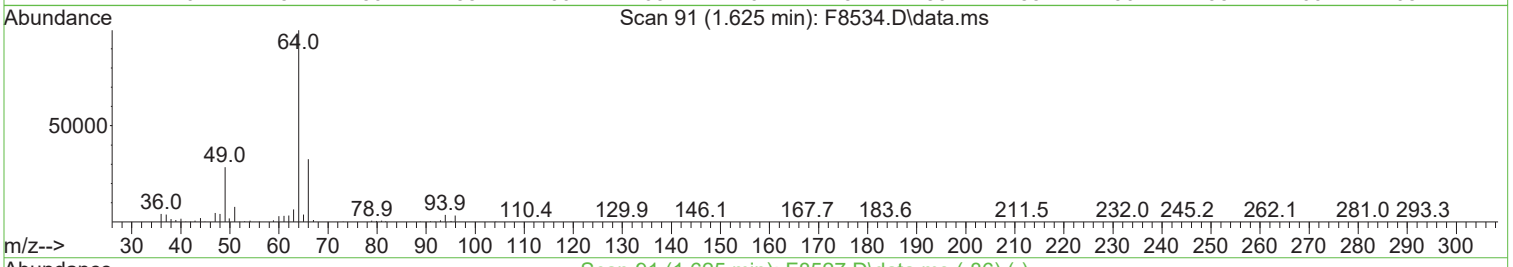
03/06/24

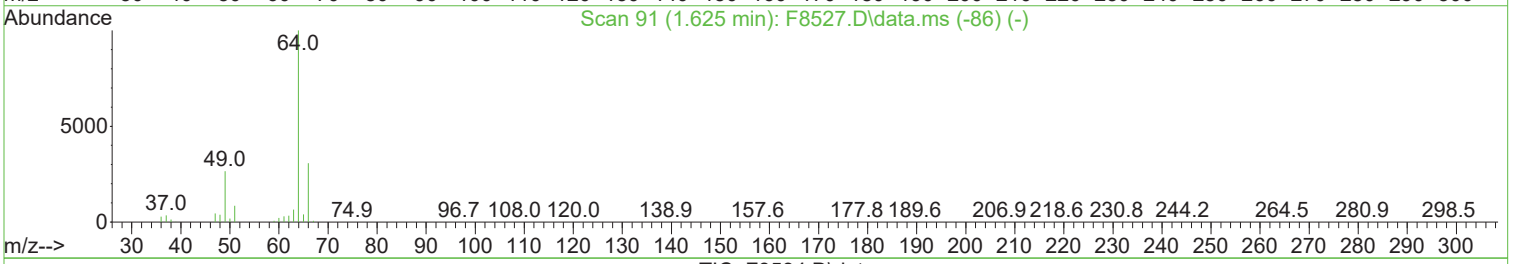
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8534.D\data.ms

(7) Chloroethane (P)

1.625min (-0.000) 32.30 ug/L

response 139053

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.80	32.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/06/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	108	0.00
2		Chlorodifluoromethane	50.000	56.677	-13.4	119	0.01
3	P	Dichlorodifluoromethane	50.000	32.255	35.5#	62	0.00
4	P	Chloromethane	50.000	40.989	18.0	85	0.00
5	P	Vinyl Chloride	50.000	36.732	26.5#	72	0.00
6	P	Bromomethane	50.000	48.384	3.2	109	0.00
7	P	Chloroethane	50.000	34.206	31.6#	70	0.00
8		Freon 21	50.000	46.367	7.3	97	0.00
9	P	Trichlorofluoromethane	50.000	41.971	16.1	85	0.00
10		Diethyl Ether	50.000	50.484	-1.0	108	0.00
11		Freon 123a	50.000	57.810	-15.6	126	0.00
12		Freon 123	50.000	68.134	-36.3#	145	0.00
13		Acrolein	250.000	88.331	64.7#	35	0.00
14		1,1-Diclethene	50.000	41.910	16.2	86	0.00
15	P	Freon 113	50.000	41.150	17.7	84	0.00
16	P	Acetone	50.000	45.003	10.0	92	0.00
17		2-Propanol	1000.000	1053.640	-5.4	101	0.00
18		Iodomethane	50.000	38.669	22.7#	80	0.00
19	P	Carbon Disulfide	50.000	47.528	4.9	98	0.00
20		Acetonitrile	250.000	244.527	2.2	97	0.00
21		Allyl Chloride	50.000	50.456	-0.9	104	0.00
22	P	Methyl Acetate	50.000	36.393	27.2#	76	0.00
23	P	Methylene Chloride	50.000	44.433	11.1	100	0.00
24		TBA	1000.000	1012.742	-1.3	98	0.00
25		Acrylonitrile	250.000	249.047	0.4	97	0.00
26	P	Methyl-t-Butyl Ether	50.000	50.790	-1.6	104	0.00
27	P	trans-1,2-Dichloroethene	50.000	42.603	14.8	88	0.00
28	P	1,1-Diclethane	50.000	46.566	6.9	97	0.00
29		Vinyl Acetate	50.000	65.553	-31.1#	137	0.00
30		DIPE	50.000	54.764	-9.5	110	0.00
31		2-Chloro-1,3-Butadiene	50.000	50.613	-1.2	101	0.00
32		ETBE	50.000	50.277	-0.6	102	0.00
33		2,2-Dichloropropane	50.000	43.329	13.3	87	0.00
34	P	cis-1,2-Dichloroethene	50.000	46.674	6.7	96	0.00
35	P	2-Butanone	50.000	44.066	11.9	89	0.00
36		Propionitrile	250.000	251.788	-0.7	99	0.00
37		Bromochloromethane	50.000	49.073	1.9	101	0.00
38		Methacrylonitrile	50.000	50.788	-1.6	101	0.00
39		Tetrahydrofuran	50.000	49.651	0.7	100	0.00
40	P	Chloroform	50.000	46.948	6.1	96	0.00
41	P	1,1,1-Trichloroethane	50.000	46.688	6.6	92	0.00
42		TAME	50.000	55.315	-10.6	111	0.00
43	i	1,4-Difluorobenzene	50.000	50.000	0.0	106	0.00
44	P	Cyclohexane	50.000	53.331	-6.7	113	0.00
45	s	surr4,Dibrflmethane	50.000	48.287	3.4	104	0.00
46	P	Carbontetrachloride	50.000	42.361	15.3	89	0.00
47		1,1-Dichloropropene	50.000	42.141	15.7	89	0.00
48	s	surr1,1,2-dichloroethane-d4	50.000	48.628	2.7	105	0.00
49	P	Benzene	50.000	48.113	3.8	97	0.00
50	P	1,2-Dichloroethane	50.000	48.774	2.5	99	0.00
51		Iso-Butyl Alcohol	1000.000	984.135	1.6	96	0.00

1st FNJ 03/06/24
2nd WR 03/07/24

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	39.676	20.6#	82	0.00
53		1-Butanol	2500.000	2685.757	-7.4	99	0.00
54	P	Trichloroethene	50.000	44.748	10.5	92	0.00
55	P	Methylcyclohexane	50.000	52.379	-4.8	115	0.00
56	P	1,2-Diclpropane	50.000	48.677	2.6	96	0.00
57		Dibromomethane	50.000	49.577	0.8	101	0.00
58		1,4-Dioxane	1000.000	940.236	6.0	95	0.00
59		Methyl Methacrylate	50.000	55.575	-11.2	107	0.00
60	P	Bromodichloromethane	50.000	49.683	0.6	100	0.00
61		2-Nitropropane	100.000	95.161	4.8	90	0.00
62		2-Chloroethylvinyl Ether	50.000	50.468	-0.9	102	0.00
63	P	cis-1,3-Dichloropropene	50.000	53.589	-7.2	105	0.00
64	P	4-Methyl-2-pentanone	50.000	49.763	0.5	100	0.00
65	s	SURR3,Toluene-d8	50.000	48.734	2.5	107	0.00
66	P	Toluene	50.000	45.761	8.5	95	0.00
67	P	trans-1,3-Dichloropropene	50.000	54.171	-8.3	105	0.00
68		Ethyl Methacrylate	50.000	54.291	-8.6	109	0.00
69	P	1,1,2-Trichloroethane	50.000	49.761	0.5	101	0.00
70	s	SURR2,BFB	50.000	49.860	0.3	109	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	107	0.00
72	P	Tetrachloroethene	50.000	43.935	12.1	89	0.00
73	P	2-Hexanone	50.000	52.129	-4.3	102	0.00
74		1,3-Dichloropropane	50.000	49.671	0.7	103	0.00
75	P	Dibromochloromethane	50.000	50.006	-0.0	99	0.00
76		N-Butyl Acetate	50.000	53.390	-6.8	109	0.00
77	P	1,2-Dibromoethane	50.000	51.776	-3.6	109	0.00
78		3-Chlorobenzotrifluoride	50.000	49.086	1.8	96	0.00
79	P	Chlorobenzene	50.000	46.297	7.4	97	0.00
80		4-Chlorobenzotrifluoride	50.000	49.715	0.6	95	0.00
81		1,1,1,2-Tetrachloroethane	50.000	48.242	3.5	97	0.00
82	P	Ethylbenzene	50.000	46.680	6.6	94	0.00
83	P	(m+p)Xylene	100.000	93.710	6.3	95	0.00
84	P	o-Xylene	50.000	47.288	5.4	97	0.00
85	P	Styrene	50.000	50.360	-0.7	99	0.00
86	P	Bromoform	50.000	55.431	-10.9	111	0.00
87		2-Chlorobenzotrifluoride	50.000	49.010	2.0	97	0.00
88	P	Isopropylbenzene	50.000	45.233	9.5	89	0.00
89		Cyclohexanone	1000.000	1282.501	-28.3#	113	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	60.434	-20.9#	126	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	49.419	1.2	101	0.00
93		Bromobenzene	50.000	48.120	3.8	99	0.00
94		1,2,3-Trichloropropane	50.000	49.100	1.8	102	0.00
95		n-Propylbenzene	50.000	45.095	9.8	91	0.00
96		2-Chlorotoluene	50.000	45.513	9.0	94	0.00
97		3-Chlorotoluene	50.000	51.051	-2.1	104	0.00
98		4-Chlorotoluene	50.000	45.967	8.1	95	0.00
99		1,3,5-Trimethylbenzene	50.000	45.824	8.4	91	0.00
100		tert-Butylbenzene	50.000	46.572	6.9	93	0.00
101		1,2,4-Trimethylbenzene	50.000	46.117	7.8	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\030524\
Data File : F8534.D
Acq On : 05 Mar 2024 03:41 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 15:05:49 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	49.143	1.7	96	0.00
103		sec-Butylbenzene	50.000	45.637	8.7	91	0.00
104		p-Isopropyltoluene	50.000	46.005	8.0	90	0.00
105	P	1,3-Dclbenz	50.000	46.623	6.8	98	0.00
106	P	1,4-Dclbenz	50.000	45.974	8.1	100	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	47.872	4.3	97	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	48.813	2.4	96	0.00
109		n-Butylbenzene	50.000	45.866	8.3	90	0.00
110	P	1,2-Dclbenz	50.000	47.734	4.5	98	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	50.613	-1.2	99	0.00
112		Trielution Dichlorotoluene	150.000	149.480	0.3	99	0.00
113		1,3,5-Trichlorobenzene	50.000	49.018	2.0	98	0.00
114		Coelution Dichlorotoluene	100.000	101.603	-1.6	100	0.00
115	P	1,2,4-Tcbenzene	50.000	46.667	6.7	95	0.00
116		Hexachlorobt	50.000	43.554	12.9	89	0.00
117		Naphthalen	50.000	50.810	-1.6	100	0.00
118		1,2,3-Tclbenzene	50.000	48.417	3.2	96	0.00
119		2,4,5-Trichlorotoluene	50.000	50.032	-0.1	94	0.00
120		2,3,6-Trichlorotoluene	50.000	50.572	-1.1	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 3/5/24 9:17

ICAL Tune Summary

Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\030524\F8520.D

Analytical Method: 8260C/624.1

Instrument ID: R-MS-14

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	21.8	38197	PASS
75	95	30	60	53.2	93261	PASS
95	95	100	100	100.0	175465	PASS
96	95	5	9	6.8	11911	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	89.0	156192	PASS
175	174	5	9	8.4	13098	PASS
176	174	95	101	97.4	152141	PASS
177	176	5	9	6.5	9835	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICALBLK	ICALBLK	I:\ACQUDATA\MSVOA14\DATA\030524\F8521.D	3/5/24 9:55	
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8522.D	3/5/24 11:13	
1 PPB STD	1 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8523.D	3/5/24 11:35	
2 PPB STD	2 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8524.D	3/5/24 11:58	
5 PPB STD	5 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8525.D	3/5/24 12:20	
20 PPB STD	20 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8526.D	3/5/24 12:42	
50 PPB STD	50 PPB STD	I:\ACQUDATA\MSVOA14\DATA\030524\F8527.D	3/5/24 13:05	
100 PPB STD	100 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8528.D	3/5/24 13:27	
150 PPB STD	150 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8529.D	3/5/24 13:50	
200 PPB STD	200 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8530.D	3/5/24 14:12	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\030524\F8534.D	3/5/24 15:41	

Analysis: 8260/624 Analyst: F. Nagle pH strips: — Tune Method: W030524.m

Date: 3/5/24 Balance ID: — ResCl strips: — Run Method: ↓

Instr. MS14 50 mL Class A used for dilution FV Syringes: 210903/218579 LIMS Run# : —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	BLK								F8518	Y	
2	↓								19	Y	
3	TUNE								20	Y	
4	ICAL BLK								21	Y	
5	0.5 ppb std								22	Y	
6	1								23	Y	
7	2								24	Y	
8	5								25	Y	
9	20								26	Y	
10	50								27	Y	
11	100								28	Y	
12	150								29	Y	
13	200 ↓								30	Y	
14	BLK								31	Y	
15	↓								32	Y	
16	↓								33	Y	
17	50 ppb ICV								34	Y	
18	BLK								↓ 35	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 233995	10mL/1mL MeOH → 5mL/5mL DI	10mL/5mL DI	20mL/5mL DI	50mL/5mL DI	2mL/5mL DI	5mL/5mL DI	10mL/5mL DI	15mL/5mL DI	20mL/5mL DI
1° HSL = 233996	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 233997	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 232984	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° 236-TCT = 233456	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Primary See Table Above

Primary :

Primary :

Primary :

Primary :

Fr Secondary 200 : 233929 - 125uL

TG Secondary 500 : 233998 - 5mL

HSL Secondary : 233928 -

OCC Secondary : 232672 -

236-TCT Secondary : 233457 -

50uL (ICV)

Combined IS/Surr : —

Surrogate 50 : 233764

Internal Std 50 : 233765

Reagents:

MeOH: 229828

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton **Calibration Date:** 3/5/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400045 **Signal ID:** 1
Instrument ID: R-MS-14

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2400045-01	0.5 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8522.D	03/05/2024 11:13
02	RC2400045-02	1 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8523.D	03/05/2024 11:35
03	RC2400045-03	2 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8524.D	03/05/2024 11:58
04	RC2400045-04	5 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8525.D	03/05/2024 12:20
05	RC2400045-05	20 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8526.D	03/05/2024 12:42
06	RC2400045-06	50 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8527.D	03/05/2024 13:05
07	RC2400045-07	100 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8528.D	03/05/2024 13:27
08	RC2400045-08	150 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8529.D	03/05/2024 13:50
09	RC2400045-09	200 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8530.D	03/05/2024 14:12

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4871	02	1.000	0.5129	03	2.000	0.505	04	5.000	0.5438
05	20.000	0.6176	06	50.000	0.6433	07	100.000	0.6573	08	150.000	0.6091
09	200.000	0.6604									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7635	02	1.000	0.6985	03	2.000	0.7326	04	5.000	0.7683
05	20.000	0.8344	06	50.000	0.8082	07	100.000	0.8112	08	150.000	0.7548
09	200.000	0.7976									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3593	02	1.000	0.3535	03	2.000	0.3509	04	5.000	0.3795
05	20.000	0.3998	06	50.000	0.4006	07	100.000	0.4039	08	150.000	0.3692
09	200.000	0.3998									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4852	05	20.000	0.4177	06	50.000	0.4233	07	100.000	0.4383
08	200.000	0.4272									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3594	05	20.000	0.3036	06	50.000	0.3095	07	100.000	0.3091
08	200.000	0.2919									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2336	02	1.000	0.2471	03	2.000	0.2273	04	5.000	0.2688
05	20.000	0.2641	06	50.000	0.2719	07	100.000	0.2755	08	150.000	0.2533
09	200.000	0.2655									

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton **Calibration Date:** 3/5/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400045 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.377	05	20.000	1.134	06	50.000	1.135	07	100.000	1.141
08	200.000	1.086									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2984	02	1.000	0.2759	03	2.000	0.2845	04	5.000	0.302
05	20.000	0.3007	06	50.000	0.3048	07	100.000	0.3104	08	150.000	0.2869
09	200.000	0.3019									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.587	02	1.000	0.5708	03	2.000	0.5799	04	5.000	0.586
05	20.000	0.6661	06	50.000	0.6631	07	100.000	0.6431	08	150.000	0.5367
09	200.000	0.5923									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4469	02	1.000	0.456	03	2.000	0.4559	04	5.000	0.475
05	20.000	0.5068	06	50.000	0.5028	07	100.000	0.496	08	150.000	0.4634
09	200.000	0.4945									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3904	02	1.000	0.3928	03	2.000	0.4038	04	5.000	0.4112
05	20.000	0.447	06	50.000	0.4405	07	100.000	0.4425	08	150.000	0.4116
09	200.000	0.4471									

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton **Calibration Date:** 3/5/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400045 **Signal ID:** 1
Instrument ID: R-MS-14

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	12.0	≤20	0.5818	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	5.5	≤20	0.7744	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	5.8	≤20	0.3796	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	6.2	≤20	0.4384	
Dibromofluoromethane	SURR	Average RF	% RSD	8.2	≤20	0.3147	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	6.7	≤20	0.2563	0.200
Toluene-d8	SURR	Average RF	% RSD	9.8	≤20	1.175	
Trichloroethene (TCE)	TRG	Average RF	% RSD	3.8	≤20	0.2962	0.200
Vinyl Chloride	TRG	Average RF	% RSD	7.4	≤20	0.6028	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	4.8	≤20	0.4775	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	5.6	≤20	0.4208	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton **Calibration Date:** 3/5/2024

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400045 **Signal ID:** 1
Instrument ID: R-MS-14

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2400045-10	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\030524\F8534.D	03/05/2024 15:41

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.7	5.818E-1	5.433E-1	-6.624	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	46.6	7.744E-1	7.212E-1	-6.869	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	41.9	3.796E-1	3.182E-1	-16.181	±30	Average RF
Tetrachloroethene (PCE)	50.0	43.9	2.563E-1	2.253E-1	-12.129	±30	Average RF
Trichloroethene (TCE)	50.0	44.7	2.962E-1	2.651E-1	-10.503	±30	Average RF
Vinyl Chloride	50.0	36.7	6.028E-1	4.428E-1	-26.535	±30	Average RF
cis-1,2-Dichloroethene	50.0	46.7	4.775E-1	4.457E-1	-6.652	±30	Average RF
trans-1,2-Dichloroethene	50.0	42.6	4.208E-1	3.585E-1	-14.795	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	49.9	4.384E-1	4.371E-1	-0.280	±30	Average RF
Dibromofluoromethane	50.0	48.3	3.147E-1	3.039E-1	-3.425	±30	Average RF
Toluene-d8	50.0	48.7	1.175E0	1.145E0	-2.532	±30	Average RF

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

Service Request: R2402277
Date Analyzed: 03/25/24 10:37

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\MSVOA14\Data\032524\F9013.D\
Signal ID: 1

Calibration Date: 3/5/2024
Calibration ID: RC2400045
Analysis Lot: 835815
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	50.3	0.5818	0.5854	0.6	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.6	0.7744	0.7364	-4.9	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	48.8	0.3796	0.3705	-2.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	53.3	0.2563	0.2731	6.5	NA	±20	Average RF
Trichloroethene (TCE)	50.0	51.1	0.2962	0.3025	2.1	NA	±20	Average RF
Vinyl Chloride	50.0	46.2	0.6028	0.5567	-7.7	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.5	0.4775	0.463	-3.0	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	49.2	0.4208	0.4137	-1.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.2	0.4384	0.4399	0.3	NA	±20	Average RF
Dibromofluoromethane	50.0	48.6	0.3147	0.3059	-2.8	NA	±20	Average RF
Toluene-d8	50.0	50.7	1.1745	1.1905	1.4	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**835815
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\032524\F9012.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	10:04:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9013.D\	Continuing Calibration Verification	RQ2403036-02	3/25/2024	10:37:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9014.D\	Lab Control Sample	RQ2403036-03	3/25/2024	11:13:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9017.D\	Method Blank	RQ2403036-04	3/25/2024	12:20:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9018.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	12:52:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9019.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	13:14:00	
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I:\ACQUDATA\MSVOA14\Data\032524\F9021.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	13:59:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9022.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	14:21:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9024.D\	TB-031924	R2402277-001	3/25/2024	15:06:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9025.D\	FB-031924	R2402277-005	3/25/2024	15:28:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9026.D\	FB-032024	R2402277-007	3/25/2024	15:51:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9027.D\	MW-8-032024	R2402277-008	3/25/2024	16:13:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9028.D\	DUP-032024	R2402277-009	3/25/2024	16:45:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9030.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	17:30:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9031.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	17:52:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9032.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	18:14:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9033.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	18:36:00	
I:\ACQUDATA\MSVOA14\Data\032524\F9037.D\	ZZZZZZZ	ZZZZZZZ	3/25/2024	20:05:00	

Analysis: 8260 | Analyst: F. Nagler | pH strips: 228022 | Tune Method: WD30524.M

Date: 3/25/24 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS14 | 50 mL Class A used for dilution FV | Syringes: 210903 / 218579 | LIMS Run#: 835815

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	BLK								F9010	Y	
2	↓								11	Y	
3	TUNE								12	Y	
4	CCV								13	Y	
5	LCS-FP								14	Y	
6	BLK								15	(N)	
7	MBLK-WNP								16	Y	
8	MBLK-FP								17	Y	
9	R2402154-005	1.0		6656	1	N	–	<2	18	Y	+ TICs
10	-003	1.0		↓	1	N	–	<2	19	Y	↓
11	-001	1.0			1	N	–	<2	20	Y	
12	-002	1.0			1	N	–	<2	21	Y	
13	-004	1.0		↓	1	N	–	<2	22	(Y)	Rpt 1/2.5 ↓
14	BLK								23	Y	
15	R2402277-001	1.0		6646	1	N	–	<2	24	Y	
16	-005	1.0		↓	1	N	–	<2	25	Y	
17	-007	1.0			1	N	–	<2	26	Y	
18	-008	2.5	20/50mL		1	N	–	6	27	Y	
19	-009	2.5	↓	↓	1	N	–	6	28	Y	
20	BLK								29	Y	
21	R2402154-004	2.5	20/50mL	6656	2	N	–	<2	30	Y	DL
22	R2402219-001	1.0		6813	1	N	–	<2	31	Y	
23	↓ -003	1.0		↓	1	N	–	<2	32	Y	
24	R2402148-008	1.0		8043	1	N	–	<2	33	Y	
25	-003	100.0	1/100mL		1	N	–	<2	34	(N)	Rpt 1/5
26	-004	100.0	↓		1	N	–	<2	35	(N)	↓
27	-005	10.0	5/50mL		1	N	–	<2	36	(N)	Rpt 1/1
28	-006	200.0	1/200mL		1	N	–	<2	37	Y	
29	-007	250.0	1/250mL		1	N	–	<2	38	(N)	Rpt 1/50
30	-005MS	10.0	5/50mL		1	N	–	<2	39	(N)	Rpt 1/1
31	-005MSD	10.0	↓	↓	1	N	–	<2	40	(N)	↓
32	BLK								41	Y	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

TIC Primary 500 : 233995 – 5uL/5mL

HSL Primary : 233996 –

Fr Primary : 233997 –

OCC Primary : 232984 –

Primary :

↓ (CCV)

Fr Secondary 200 : 233929 – 5uL

TIC Secondary 500 : 233998 – 2uL

HSL Secondary ↓ : 233928 – ↓

OCC Secondary : 234088 –

Secondary :

5mL (LCS) – 12.5uL – 5uL ↓

5mL (SPK)

Combined IS/Surr : –

Surrogate 50 : 234169

Internal Std 50 : 234170

Reagents: —

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 11:30
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-17-031924	**Units:**	ug/L
Lab Code:	R2402277-002	**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)	**0.31 J**	1.0	0.20	1	03/22/24 21:47	
1,1-Dichloroethane (1,1-DCA)	**4.3**	1.0	0.20	1	03/22/24 21:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 21:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/22/24 21:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/22/24 21:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 21:47	
cis-1,2-Dichloroethene	**0.34 J**	1.0	0.23	1	03/22/24 21:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 21:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/22/24 21:47	
Dibromofluoromethane	92	80 - 116	03/22/24 21:47	
Toluene-d8	99	87 - 121	03/22/24 21:47	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 13:00
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-10-031924	**Units:**	ug/L
Lab Code:	R2402277-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.39 J**	1.0	0.20	1	03/22/24 22:09	
1,1-Dichloroethane (1,1-DCA)	**0.32 J**	1.0	0.20	1	03/22/24 22:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 22:09	
Tetrachloroethene (PCE)	**0.32 J**	1.0	0.21	1	03/22/24 22:09	
Trichloroethene (TCE)	**3.2**	1.0	0.20	1	03/22/24 22:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 22:09	
cis-1,2-Dichloroethene	**0.93 J**	1.0	0.23	1	03/22/24 22:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 22:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/22/24 22:09	
Dibromofluoromethane	92	80 - 116	03/22/24 22:09	
Toluene-d8	100	87 - 121	03/22/24 22:09	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 14:50
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-9-031924	**Units:**	ug/L
Lab Code:	R2402277-004	**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	03/22/24 22:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/22/24 22:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 22:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/22/24 22:31	
Trichloroethene (TCE)	**3.0**	1.0	0.20	1	03/22/24 22:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 22:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/22/24 22:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 22:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/22/24 22:31	
Dibromofluoromethane	91	80 - 116	03/22/24 22:31	
Toluene-d8	99	87 - 121	03/22/24 22:31	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2402277
Project:	Dover Binghamton/5101.0003	**Date Collected:**	03/19/24 16:55
Sample Matrix:	Water	**Date Received:**	03/21/24 08:15
Sample Name:	MW-16-031924	**Units:**	ug/L
Lab Code:	R2402277-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

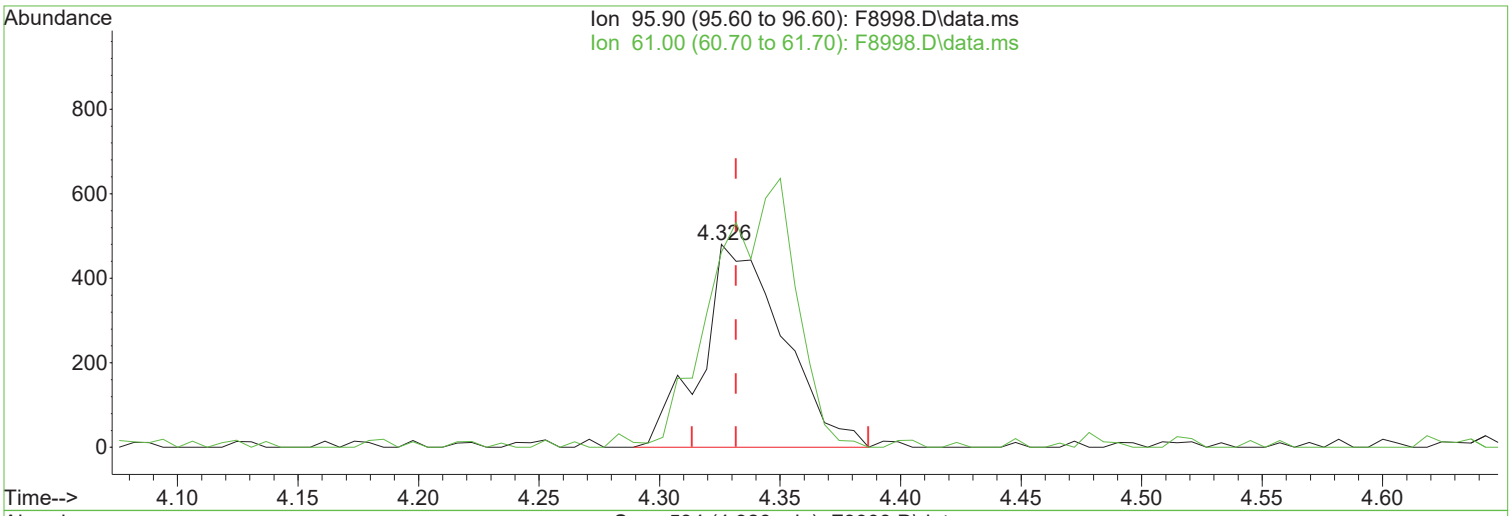
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**4.0**	1.0	0.20	1	03/22/24 22:53	
1,1-Dichloroethane (1,1-DCA)	**11**	1.0	0.20	1	03/22/24 22:53	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	03/22/24 22:53	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/22/24 22:53	
Trichloroethene (TCE)	**3.2**	1.0	0.20	1	03/22/24 22:53	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/22/24 22:53	
cis-1,2-Dichloroethene	**13**	1.0	0.23	1	03/22/24 22:53	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/22/24 22:53	

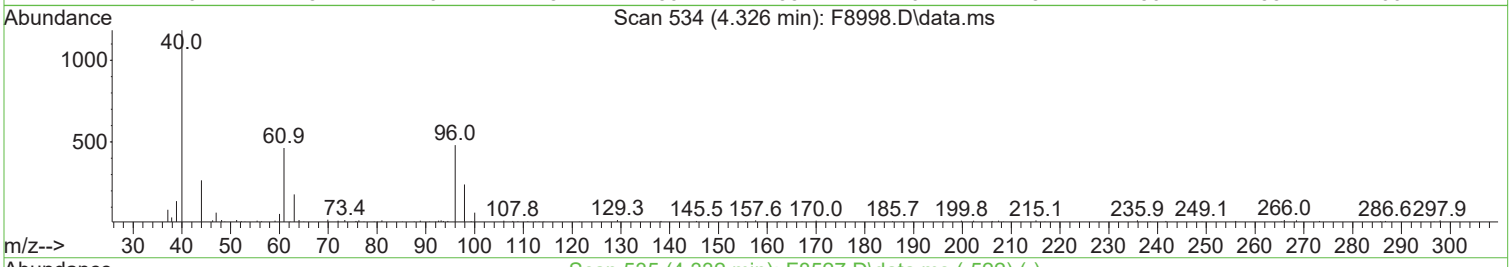
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/22/24 22:53	
Dibromofluoromethane	93	80 - 116	03/22/24 22:53	
Toluene-d8	101	87 - 121	03/22/24 22:53	

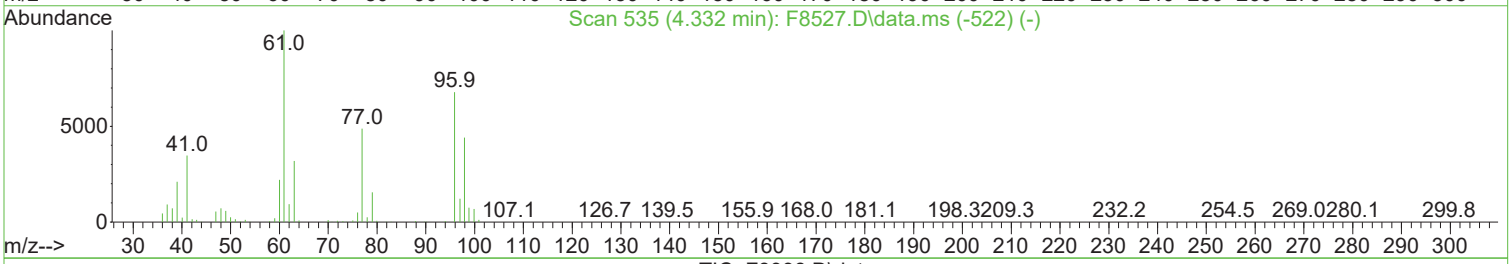
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8998.D
Acq On : 22 Mar 2024 09:47 pm
Operator : F.NAEGLER
Sample : R2402277-002
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 25 08:25:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8998.D\data.ms

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

4.326min (-0.006) 0.34 ug/L m

response 1129

Ion	Exp%	Act%
95.90	100.00	100.00
61.00	147.40	96.25#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

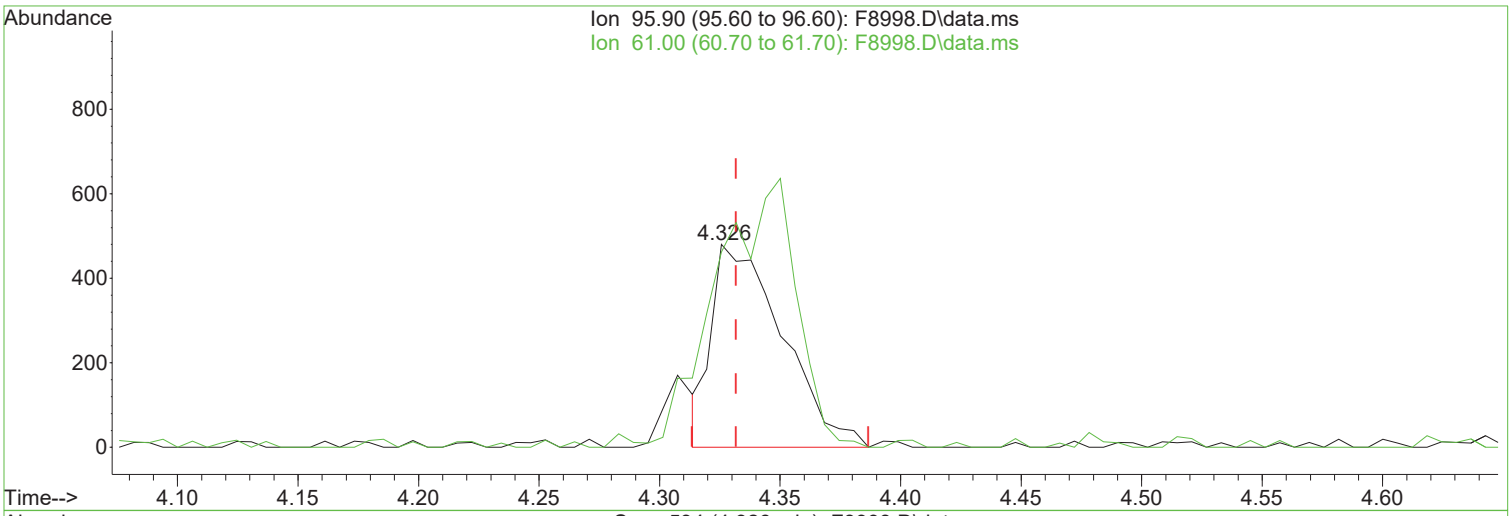
Poor integration.

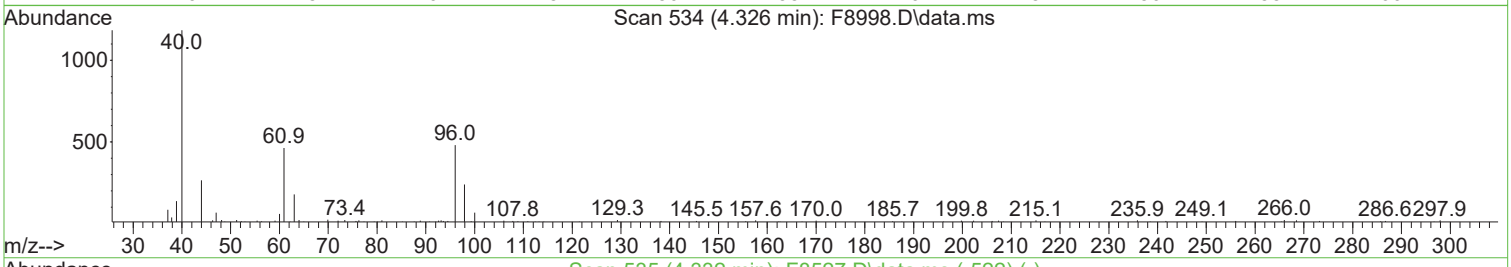
03/25/24

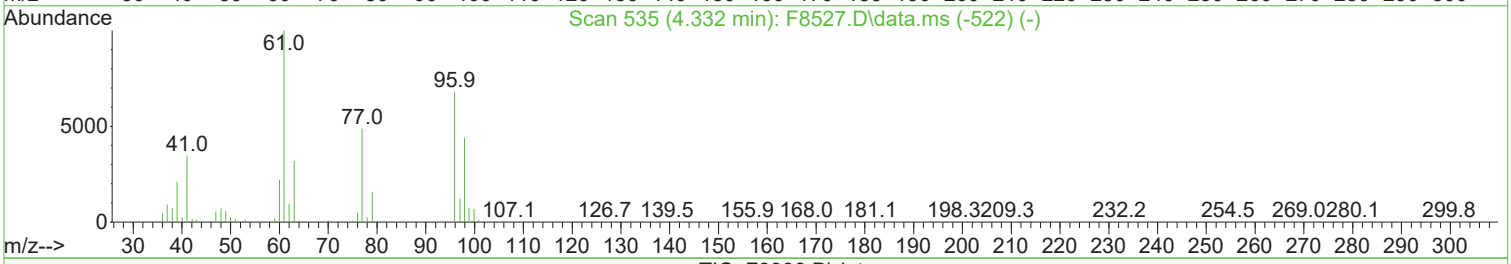
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8998.D
Acq On : 22 Mar 2024 09:47 pm
Operator : F.NAEGLER
Sample : R2402277-002
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 25 08:25:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8998.D\data.ms

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

4.326min (-0.006) 0.29 ug/L

response 984

Ion	Exp%	Act%
95.90	100.00	100.00
61.00	147.40	96.25#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

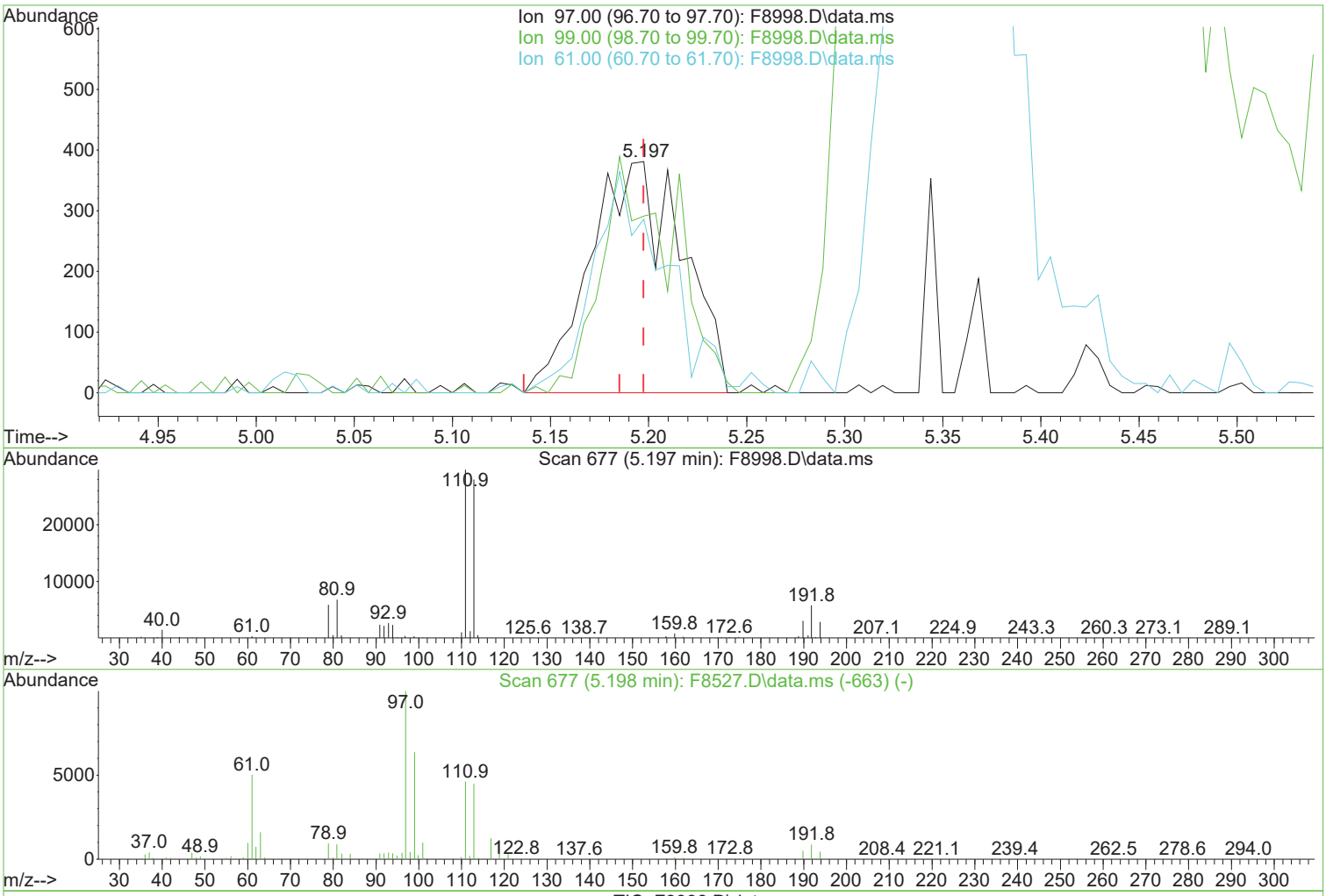
Before

03/25/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8998.D
Acq On : 22 Mar 2024 09:47 pm
Operator : F.NAEGLER
Sample : R2402277-002
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 25 08:25:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



TIC: F8998.D\data.ms

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

5.197min (-0.000) 0.31 ug/L m

response 1250

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.50	76.38
61.00	50.30	75.07#
0.00	0.00	0.00

Manual Integration:

After

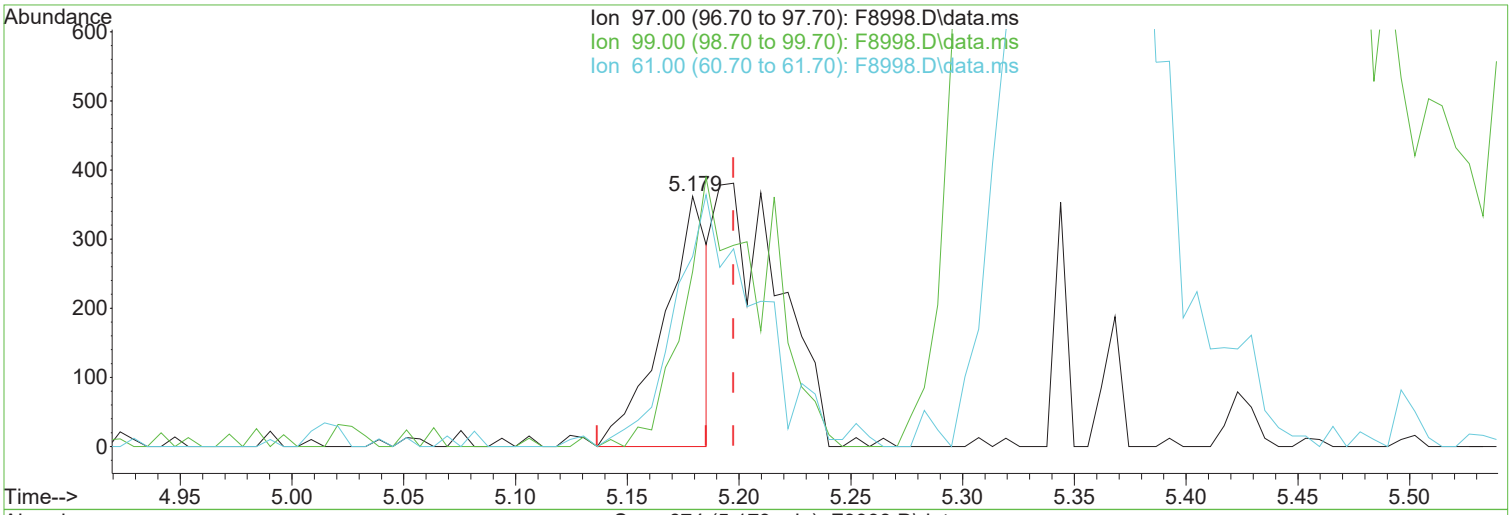
Poor integration.

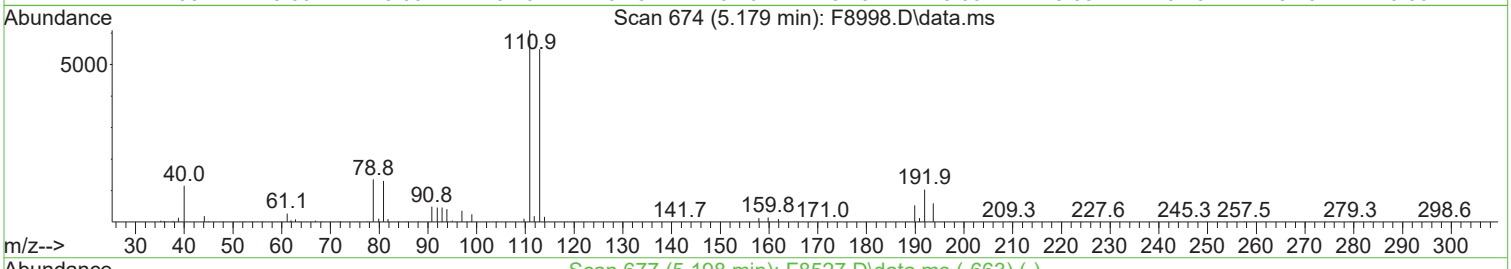
03/25/24

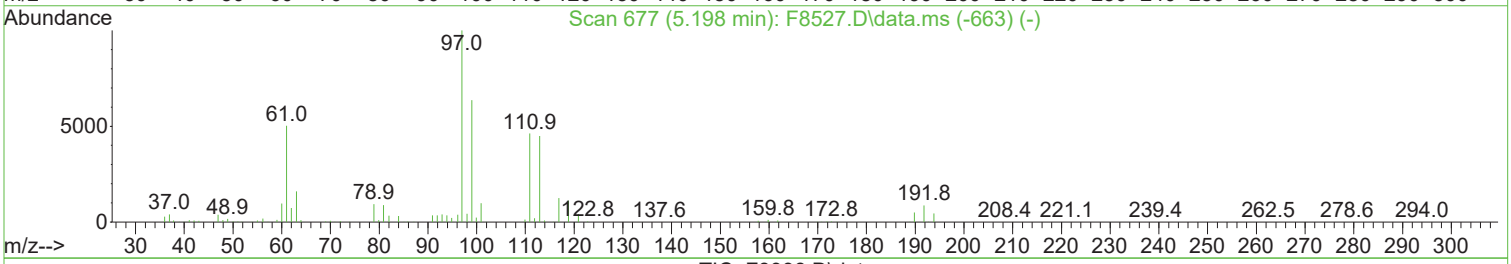
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8998.D
Acq On : 22 Mar 2024 09:47 pm
Operator : F.NAEGLER
Sample : R2402277-002
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 25 08:25:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8998.D\data.ms

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

5.179min (-0.018) 0.12 ug/L

response 499

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.50	69.89
61.00	50.30	75.97#
0.00	0.00	0.00

Manual Integration:

Before

03/25/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8998.D
Acq On : 22 Mar 2024 09:47 pm
Operator : F.NAEGLER
Sample : R2402277-002
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 25 08:25:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

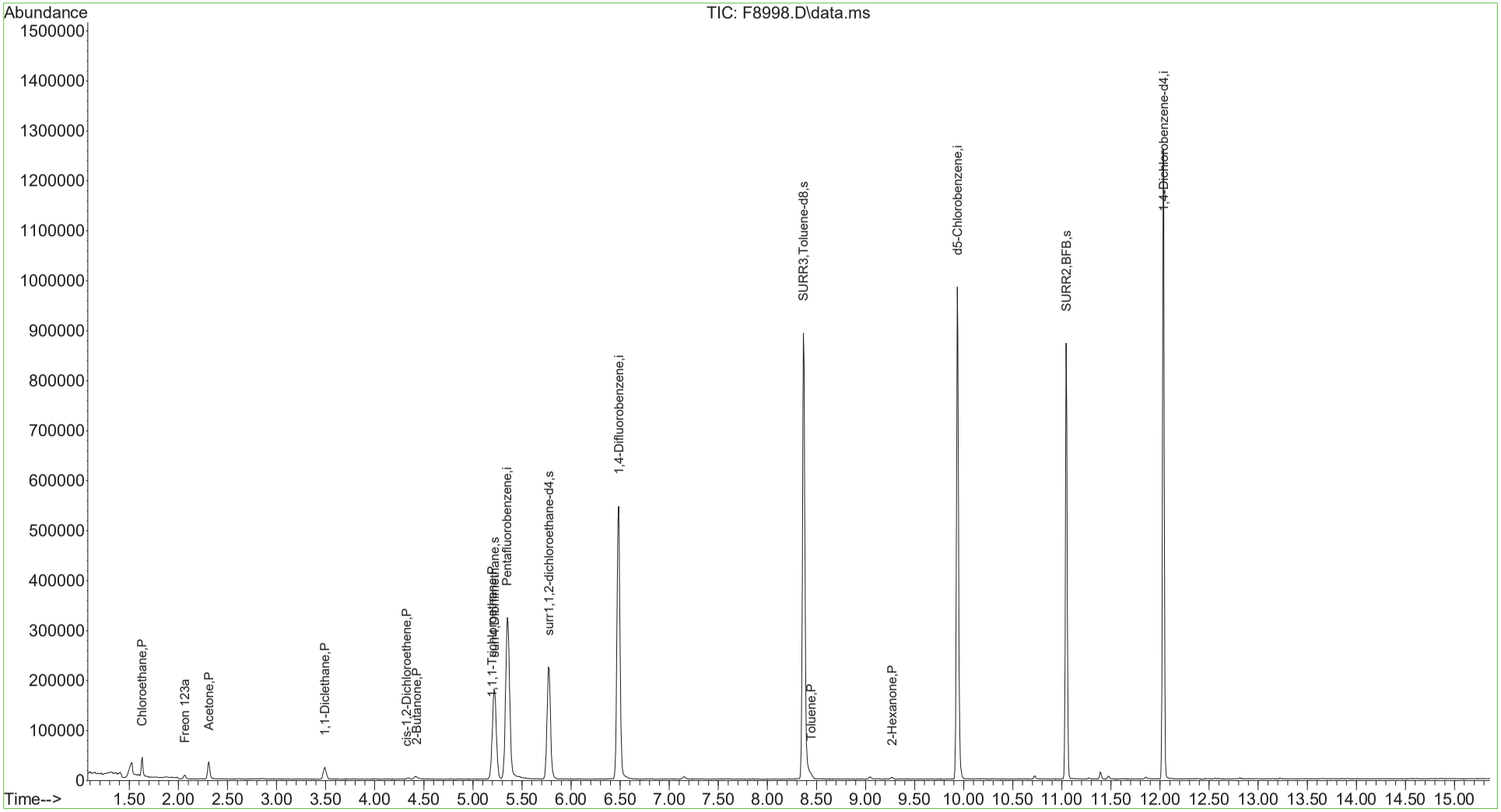
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.350	168	351326	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	514875	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	463150	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	245036	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	148403	45.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 91.60%			
48) surr1,1,2-dichloroetha...	5.771	65	195766	48.34	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.68%			
65) SURR3,Toluene-d8	8.368	98	597424	49.40	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.80%			
70) SURR2,BFB	11.044	95	205823	45.60	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.20%			
Target Compounds						Qvalue
7) Chloroethane	1.631	64	21477	6.409	ug/L	99
11) Freon 123a	2.064	67	3154	0.904	ug/L	97
16) Acetone	2.308	43	35926	18.651	ug/L	98
28) 1,1-Diclethane	3.490	63	23478	4.315	ug/L	98
34) cis-1,2-Dichloroethene	4.326	96	1129m	0.337	ug/L	
35) 2-Butanone	4.423	43	9832	3.828	ug/L	95
41) 1,1,1-Trichloroethane	5.197	97	1250m	0.306	ug/L	
66) Toluene	8.441	91	2422	0.202	ug/L	81
73) 2-Hexanone	9.270	43	2668	0.779	ug/L	97

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

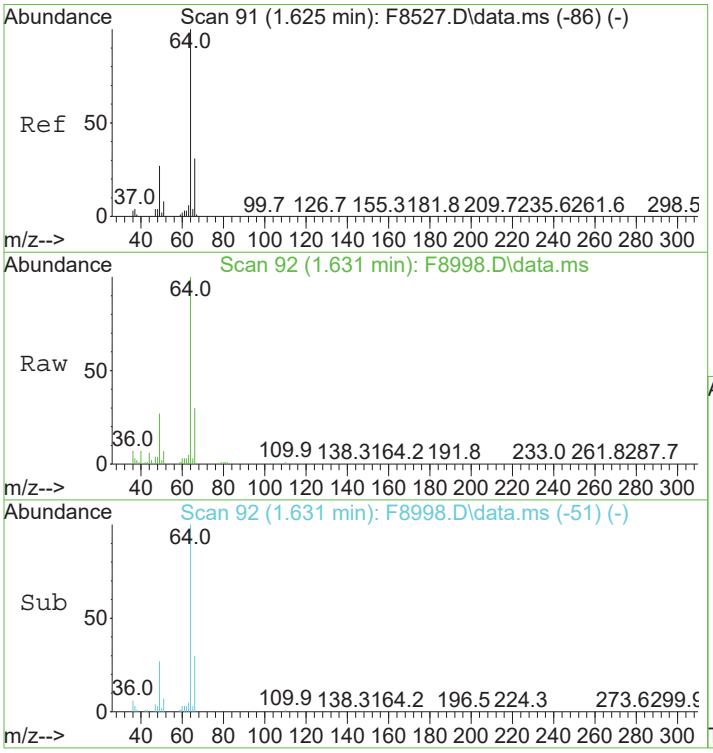
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8998.D
Acq On : 22 Mar 2024 09:47 pm
Operator : F.NAEGLER
Sample : R2402277-002
Misc : VCG 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 25 08:25:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



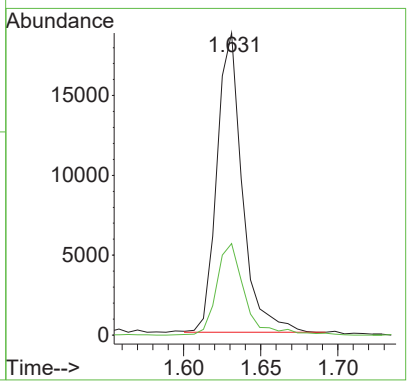
1st FJ 03/25/24
2nd 03/25/24

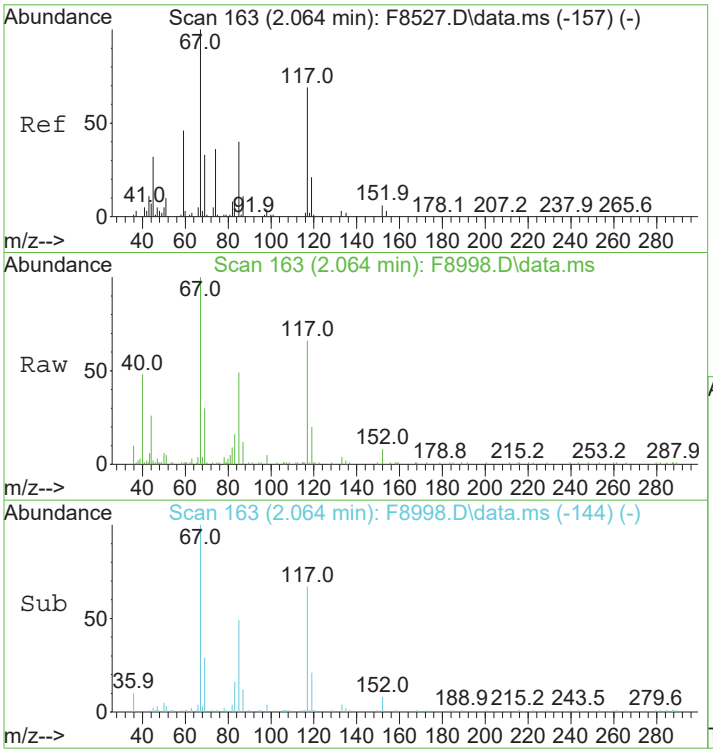


#7
Chloroethane
Concen: 6.41 ug/L
RT: 1.631 min Scan# 92
Delta R.T. 0.006 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 64 Resp: 21477

Ion	Ratio	Lower	Upper
64	100		
66	30.3	10.8	50.8

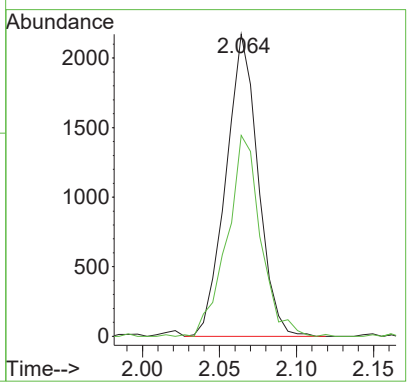


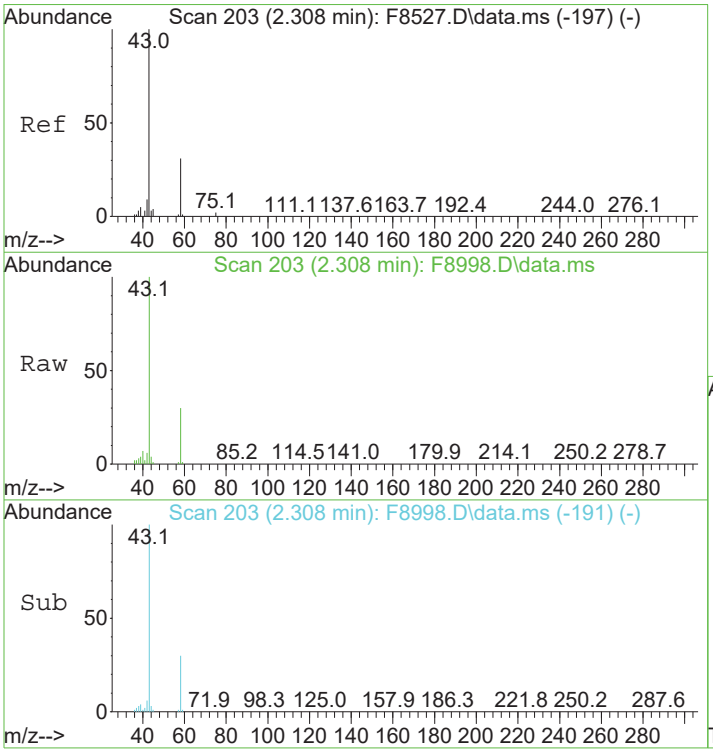


#11
Freon 123a
Concen: 0.90 ug/L
RT: 2.064 min Scan# 163
Delta R.T. -0.000 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 67 Resp: 3154

Ion	Ratio	Lower	Upper
67	100		
117	66.5	48.9	88.9

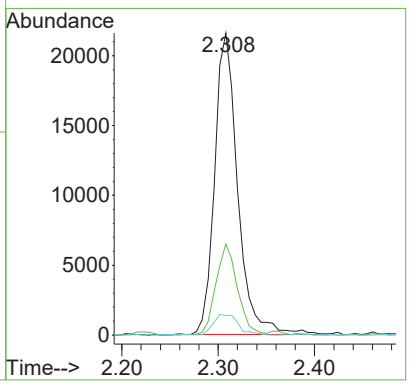


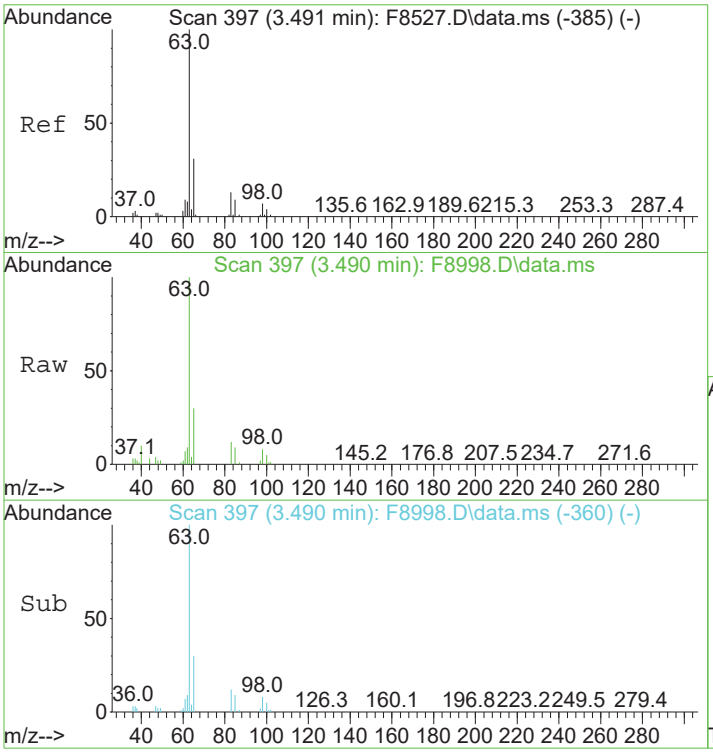


#16
Acetone
Concen: 18.65 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 43 Resp: 35926

Ion	Ratio	Lower	Upper
43	100		
58	30.2	10.6	50.6
42	6.4	0.0	28.7

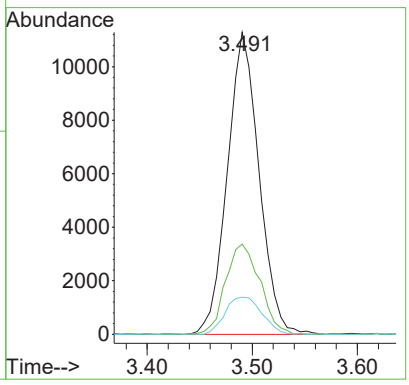


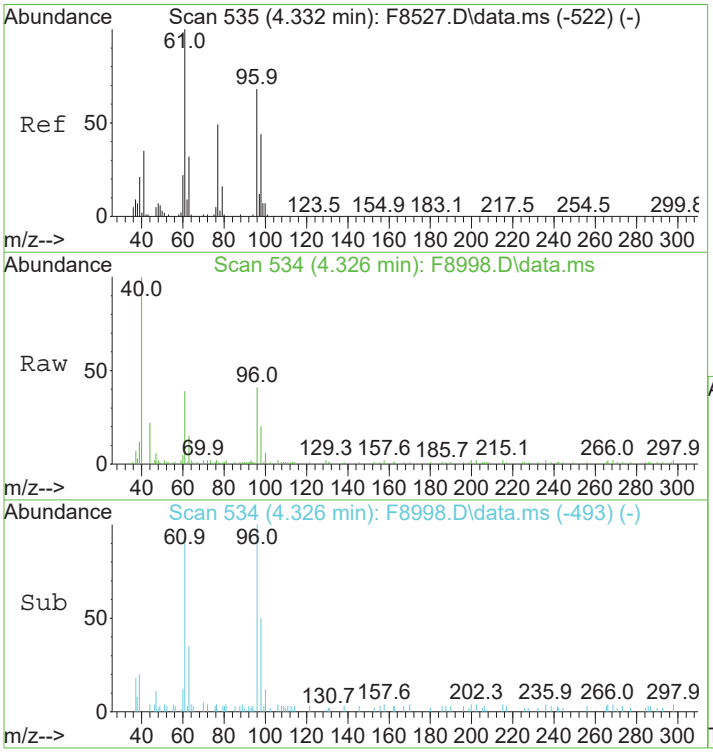


#28
1,1-Diclethane
Concen: 4.31 ug/L
RT: 3.490 min Scan# 397
Delta R.T. -0.000 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 63 Resp: 23478

Ion	Ratio	Lower	Upper
63	100		
65	29.9	11.0	51.0
83	12.2	0.0	32.9

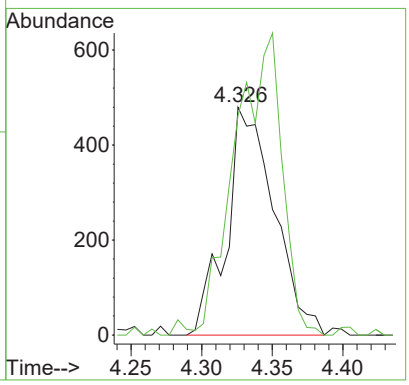


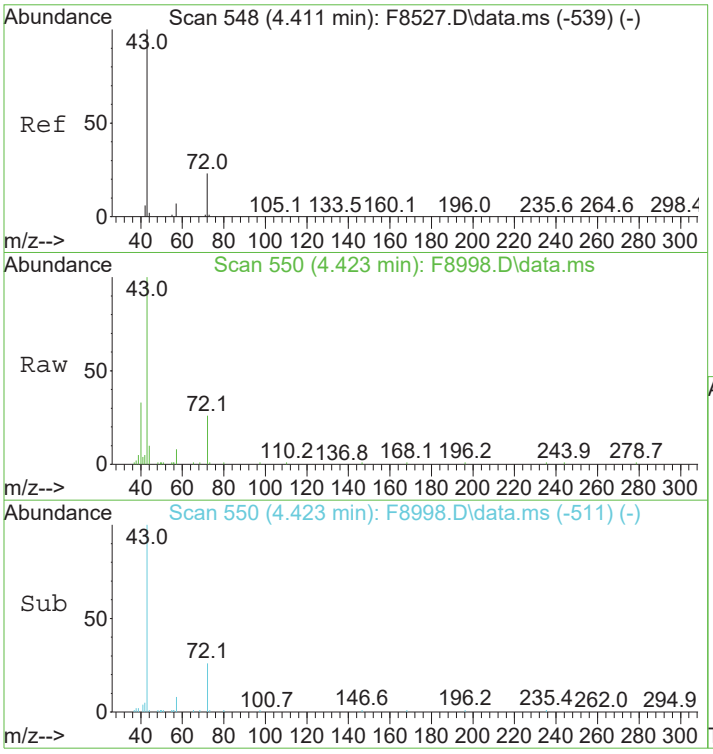


#34
cis-1,2-Dichloroethene
Concen: 0.34 ug/L m
RT: 4.326 min Scan# 534
Delta R.T. -0.006 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 96 Resp: 1129

Ion	Ratio	Lower	Upper
96	100		
61	96.3	127.4	167.4#

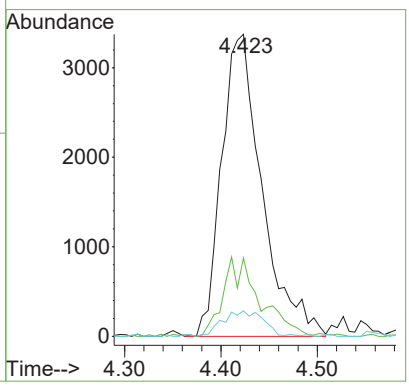


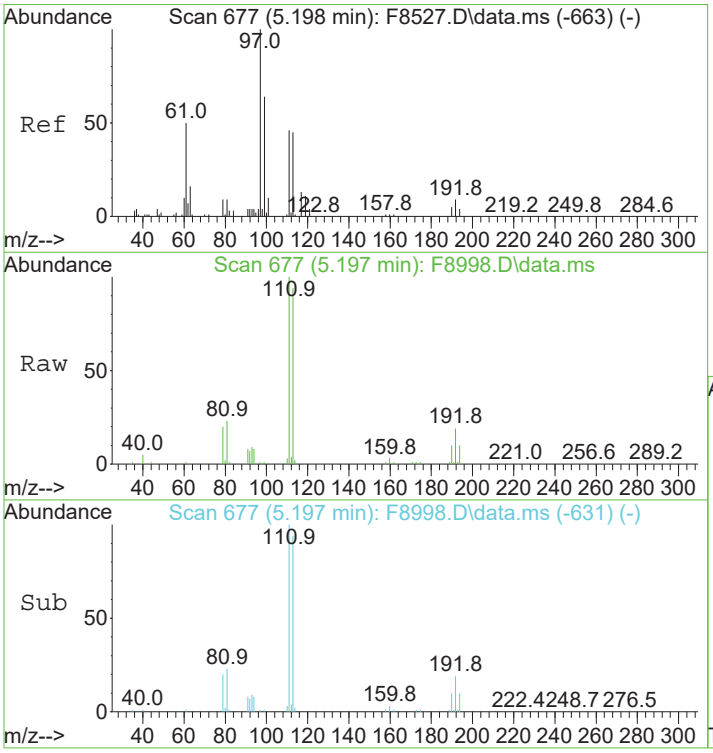


#35
2-Butanone
Concen: 3.83 ug/L
RT: 4.423 min Scan# 550
Delta R.T. 0.012 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 43 Resp: 9832

Ion	Ratio	Lower	Upper
43	100		
72	25.9	3.1	43.1
57	8.4	0.0	27.1

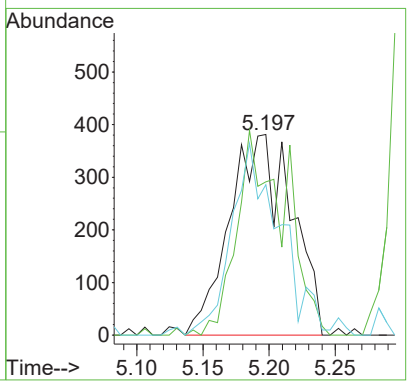


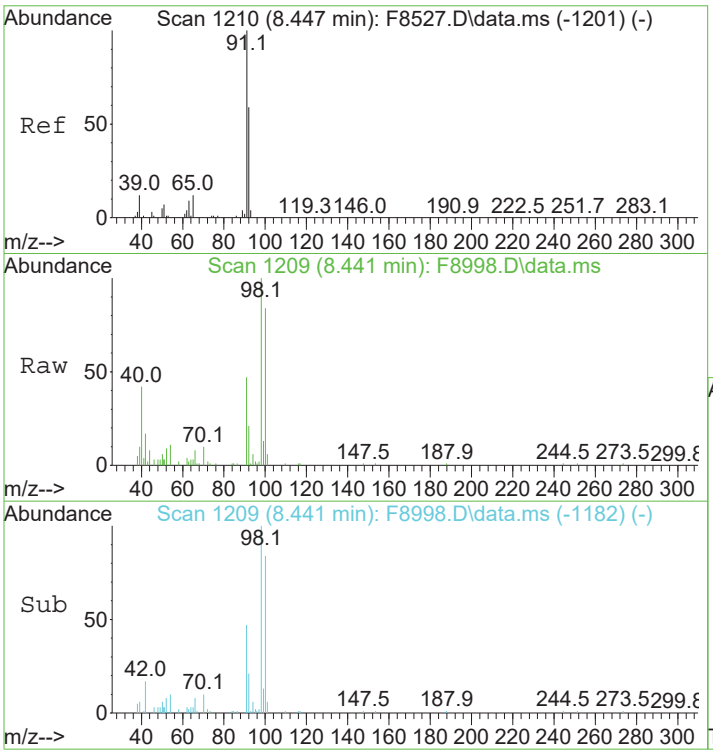


#41
1,1,1-Trichloroethane
Concen: 0.31 ug/L m
RT: 5.197 min Scan# 677
Delta R.T. -0.000 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 97 Resp: 1250

Ion	Ratio	Lower	Upper
97	100		
99	76.4	43.5	83.5
61	75.1	30.3	70.3#

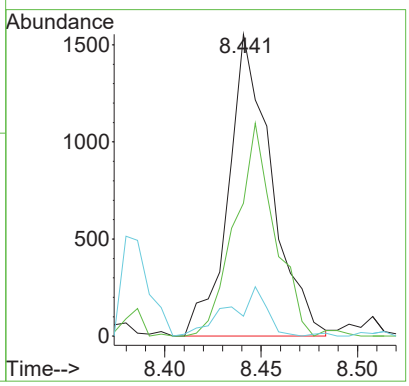


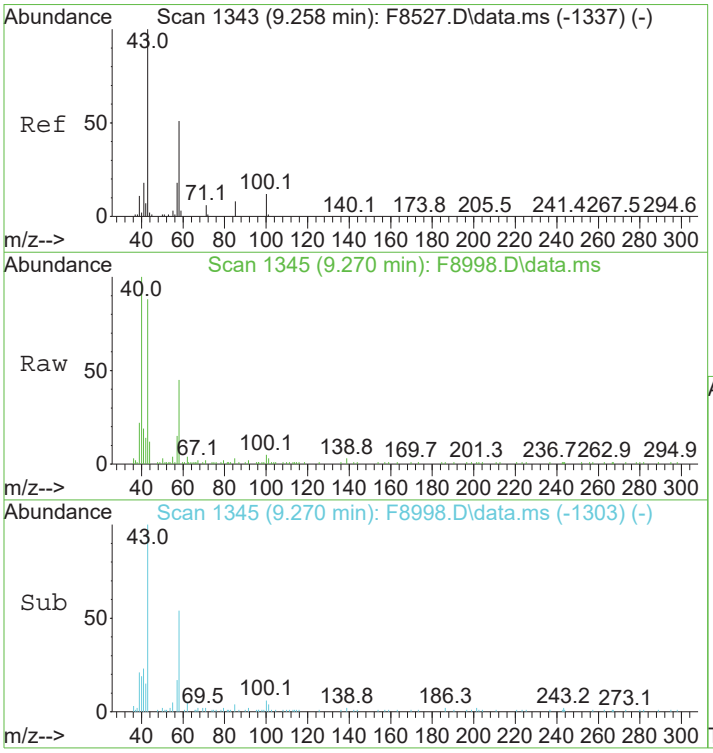


#66
Toluene
Concen: 0.20 ug/L
RT: 8.441 min Scan# 1209
Delta R.T. -0.006 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 91 Resp: 2422

Ion	Ratio	Lower	Upper
91	100		
92	44.0	39.2	79.2
65	6.6	0.0	31.9

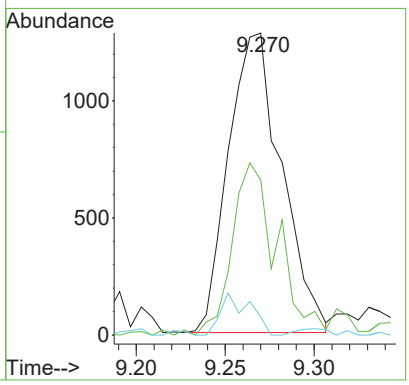




#73
2-Hexanone
Concen: 0.78 ug/L
RT: 9.270 min Scan# 1345
Delta R.T. 0.012 min
Lab File: F8998.D
Acq: 22 Mar 2024 09:47 pm

Tgt Ion: 43 Resp: 2668

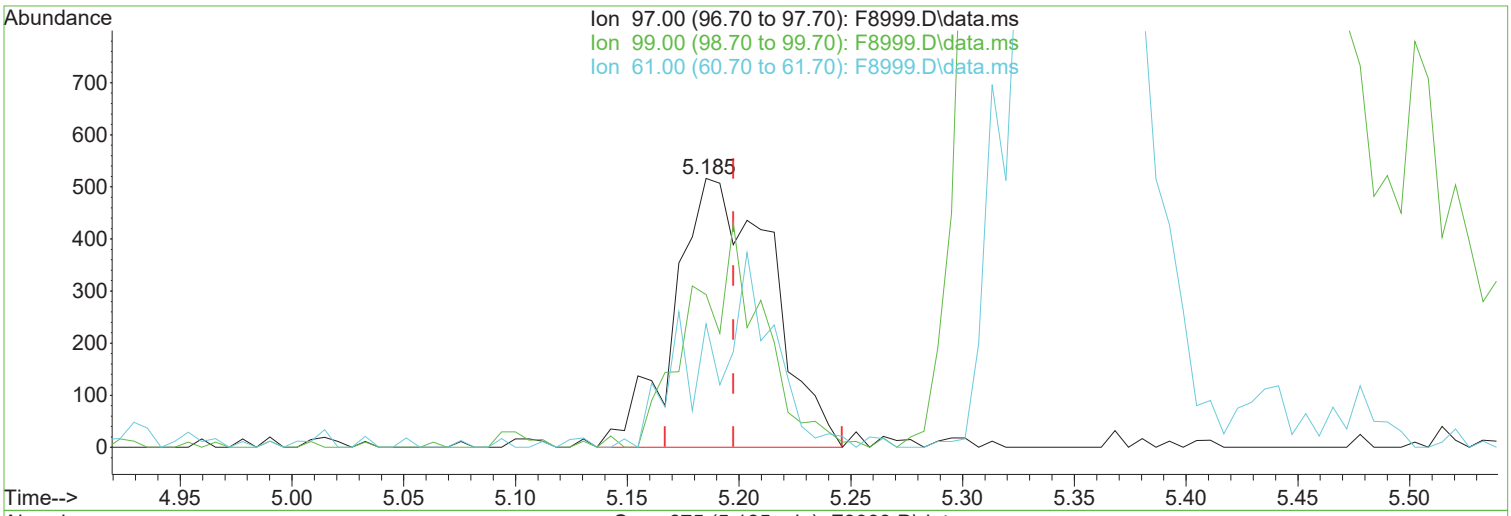
Ion	Ratio	Lower	Upper
43	100		
58	51.4	31.3	71.3
100	6.0	0.0	31.5

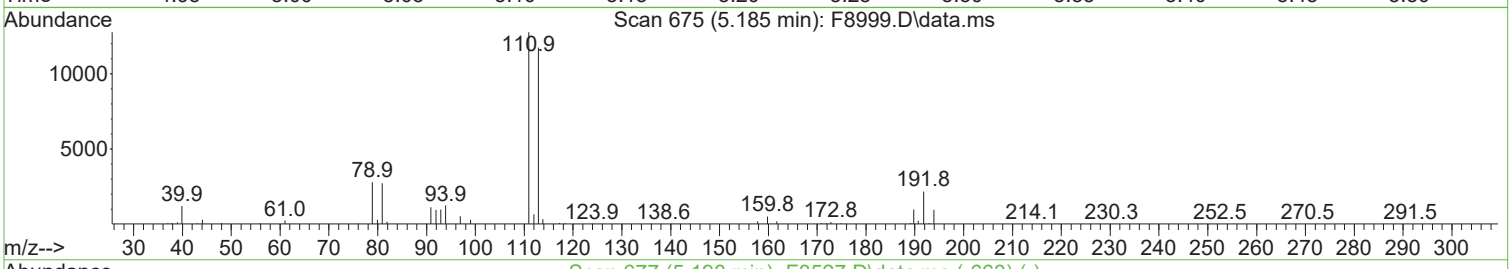


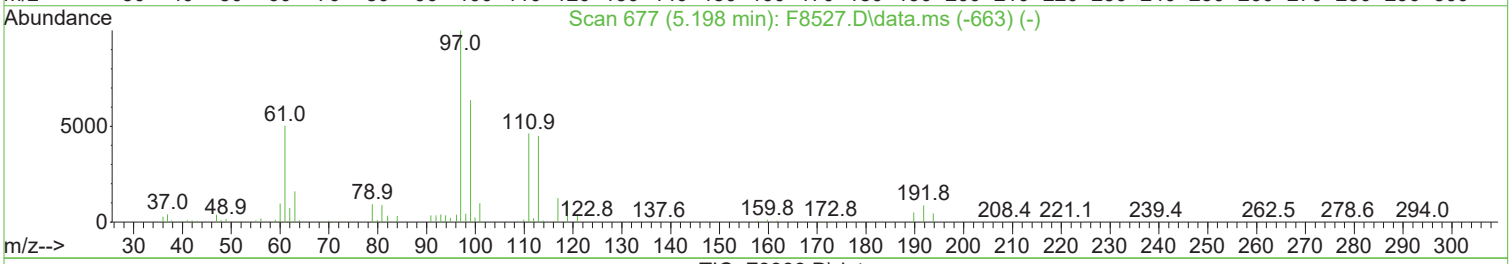
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8999.D
Acq On : 22 Mar 2024 10:09 pm
Operator : F.NAEGLER
Sample : R2402277-003
Misc : VCG 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 25 08:26:38 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8999.D\data.ms

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

5.185min (-0.012) 0.39 ug/L m

response 1559

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.50	56.78
61.00	50.30	45.93
0.00	0.00	0.00

Manual Integration:

After

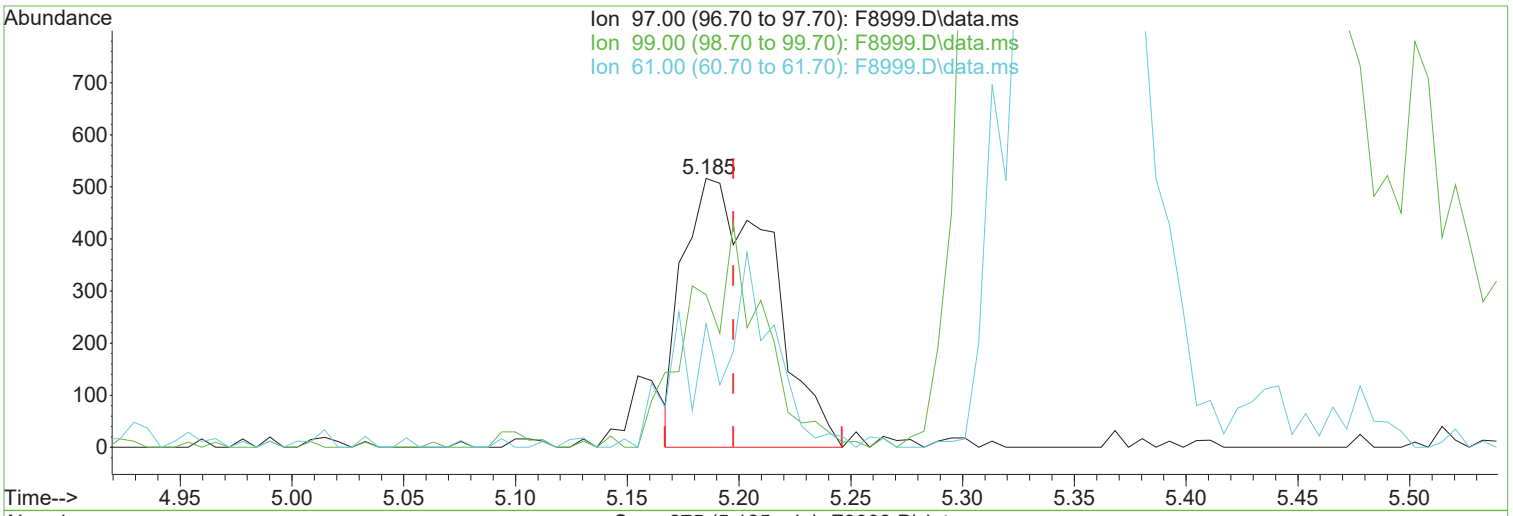
Poor integration.

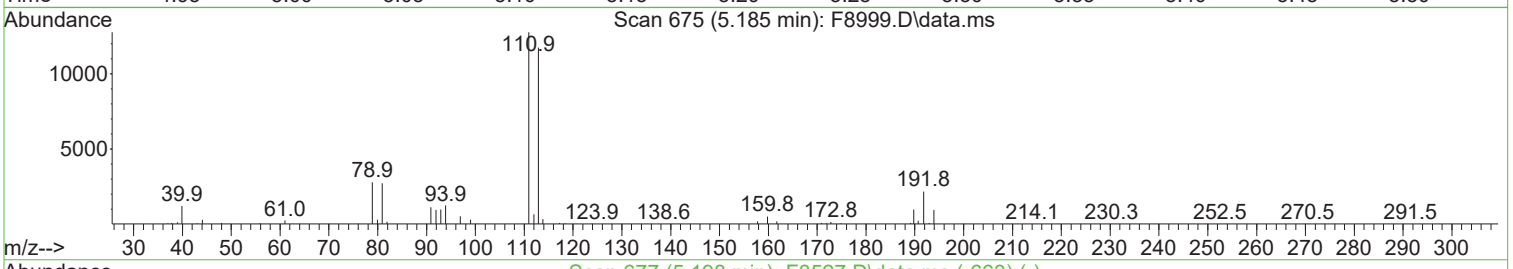
03/25/24

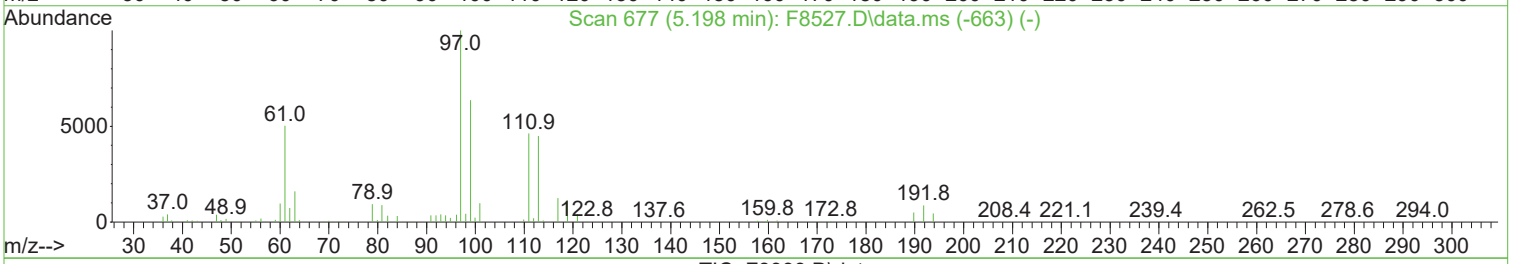
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8999.D
Acq On : 22 Mar 2024 10:09 pm
Operator : F.NAEGLER
Sample : R2402277-003
Misc : VCG 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 25 08:26:38 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8999.D\data.ms

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

5.185min (-0.012) 0.35 ug/L

response 1409

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.50	56.78
61.00	50.30	48.45
0.00	0.00	0.00

Manual Integration:

Before

03/25/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8999.D
Acq On : 22 Mar 2024 10:09 pm
Operator : F.NAEGLER
Sample : R2402277-003
Misc : VCG 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 25 08:26:38 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

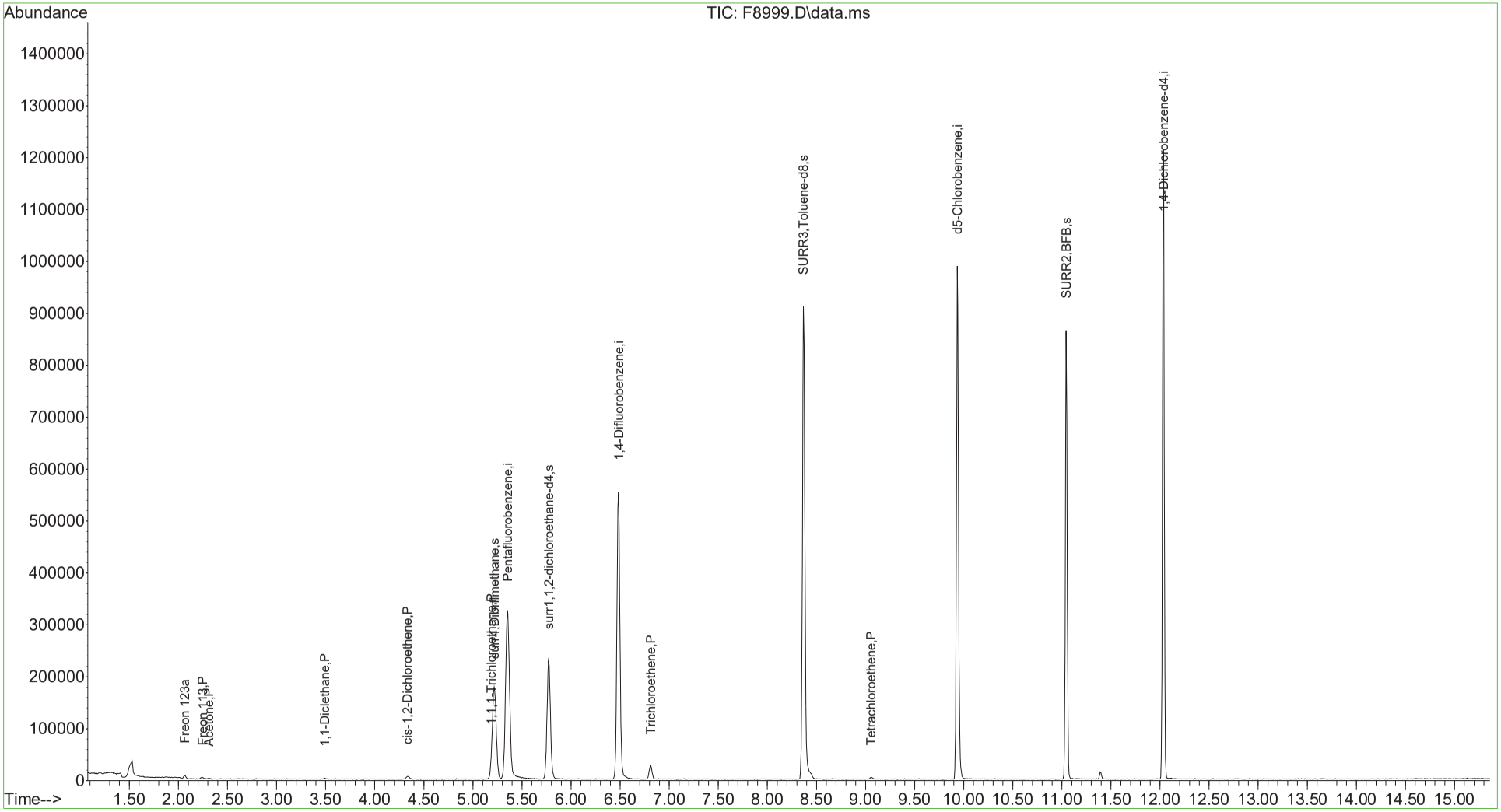
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	344999	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	512355	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	464446	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	241908	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.222	113	148965	46.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 92.38%			
48) surr1,1,2-dichloroetha...	5.771	65	194987	48.38	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.76%			
65) SURR3,Toluene-d8	8.368	98	598955	49.77	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.54%			
70) SURR2,BFB	11.044	95	204448	45.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.04%			
Target Compounds						Qvalue
11) Freon 123a	2.064	67	2777	0.811	ug/L	96
15) Freon 113	2.247	101	1155	0.436	ug/L	92
16) Acetone	2.308	43	1329	0.703	ug/L	85
28) 1,1-Diclethane	3.490	63	1701	0.318	ug/L	92
34) cis-1,2-Dichloroethene	4.332	96	3050	0.926	ug/L #	74
41) 1,1,1-Trichloroethane	5.185	97	1559m	0.388	ug/L	
54) Trichloroethene	6.813	130	9679	3.189	ug/L	91
72) Tetrachloroethene	9.056	164	766	0.322	ug/L #	81

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

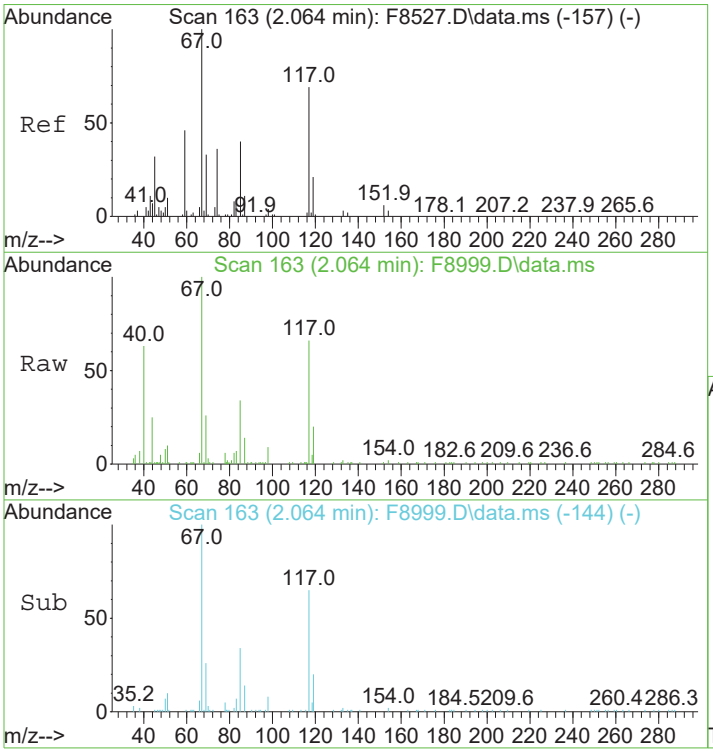
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8999.D
Acq On : 22 Mar 2024 10:09 pm
Operator : F.NAEGLER
Sample : R2402277-003
Misc : VCG 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 25 08:26:38 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



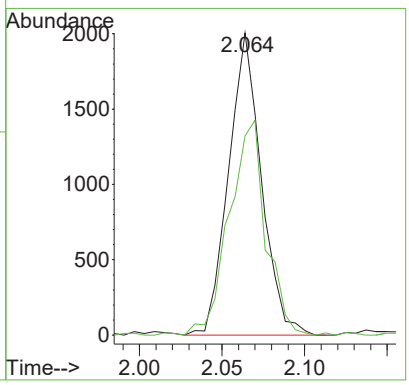
1st FJ 03/25/24
2nd [illegible] 03/25/24

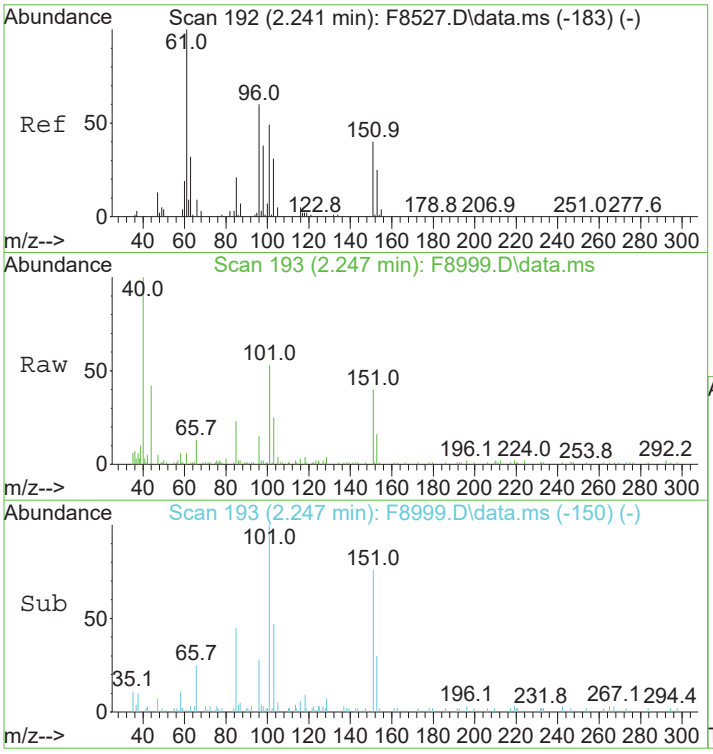


#11
Freon 123a
Concen: 0.81 ug/L
RT: 2.064 min Scan# 163
Delta R.T. -0.000 min
Lab File: F8999.D
Acq: 22 Mar 2024 10:09 pm

Tgt Ion: 67 Resp: 2777

Ion	Ratio	Lower	Upper
67	100		
117	66.0	48.9	88.9

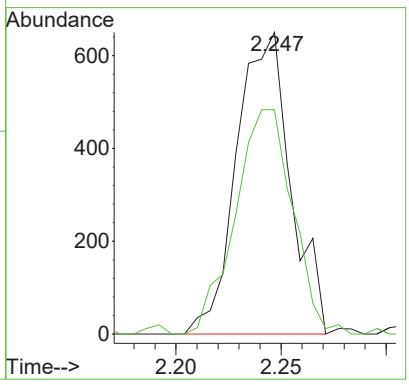


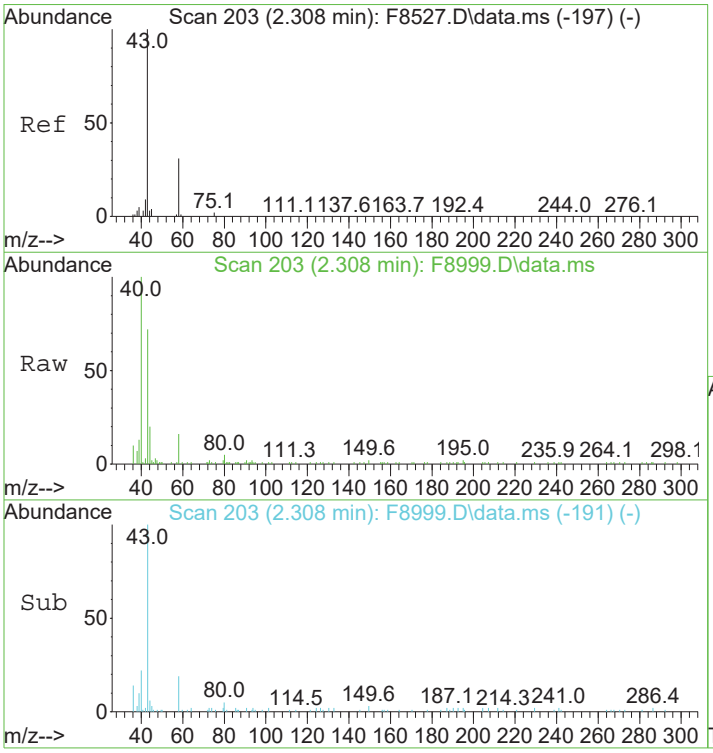


#15
Freon 113
Concen: 0.44 ug/L
RT: 2.247 min Scan# 193
Delta R.T. 0.006 min
Lab File: F8999.D
Acq: 22 Mar 2024 10:09 pm

Tgt Ion:101 Resp: 1155

Ion	Ratio	Lower	Upper
101	100		
151	74.3	61.4	101.4

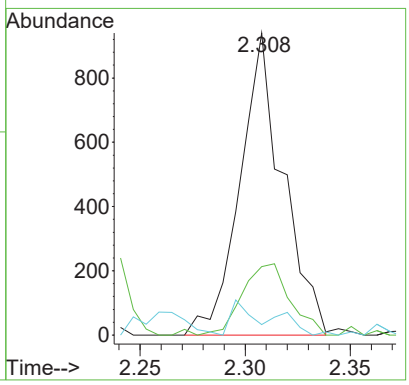


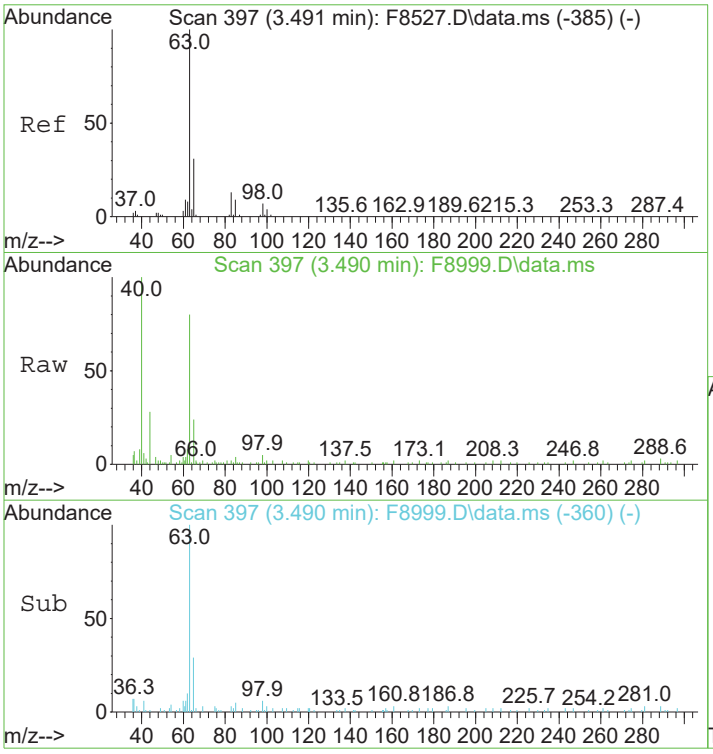


#16
Acetone
Concen: 0.70 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F8999.D
Acq: 22 Mar 2024 10:09 pm

Tgt Ion: 43 Resp: 1329

Ion	Ratio	Lower	Upper
43	100		
58	22.7	10.6	50.6
42	3.5	0.0	28.7

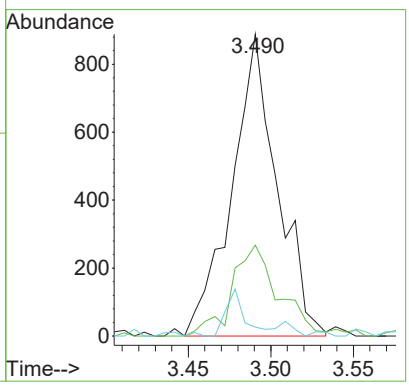


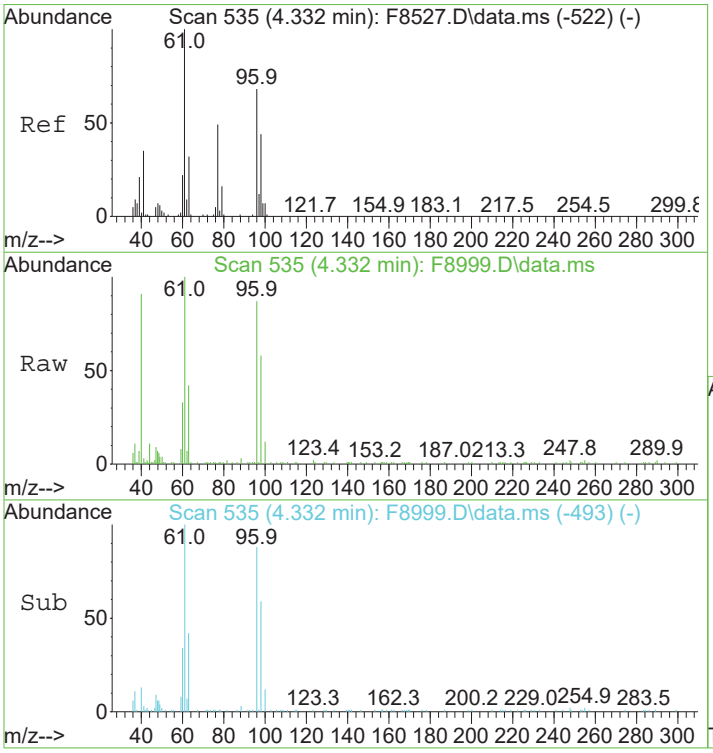


#28
1,1-Diclethane
Concen: 0.32 ug/L
RT: 3.490 min Scan# 397
Delta R.T. -0.000 min
Lab File: F8999.D
Acq: 22 Mar 2024 10:09 pm

Tgt Ion: 63 Resp: 1701

Ion	Ratio	Lower	Upper
63	100		
65	30.2	11.0	51.0
83	3.0	0.0	32.9

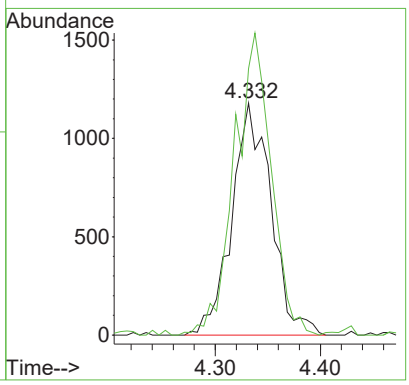


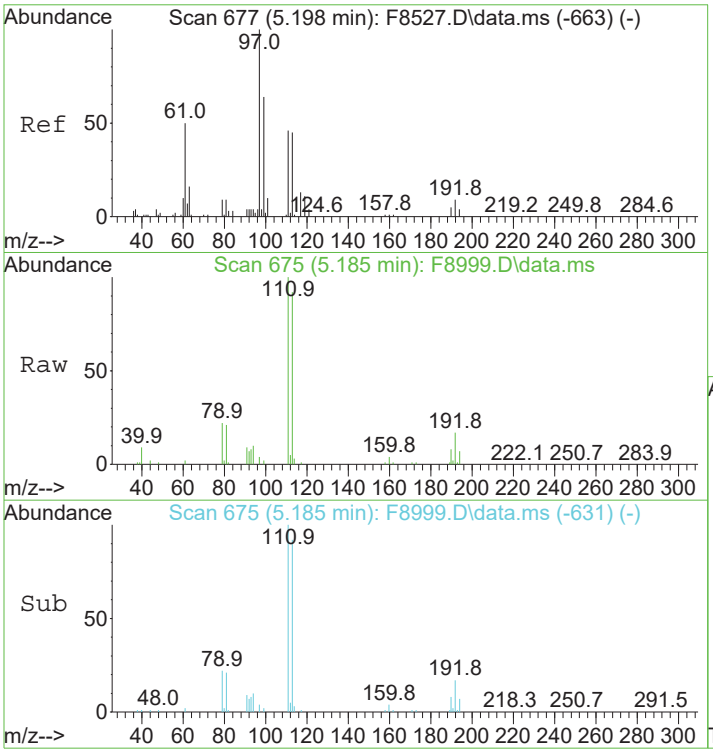


#34
cis-1,2-Dichloroethene
Concen: 0.93 ug/L
RT: 4.332 min Scan# 535
Delta R.T. -0.000 min
Lab File: F8999.D
Acq: 22 Mar 2024 10:09 pm

Tgt Ion: 96 Resp: 3050

Ion	Ratio	Lower	Upper
96	100		
61	114.8	127.4	167.4#

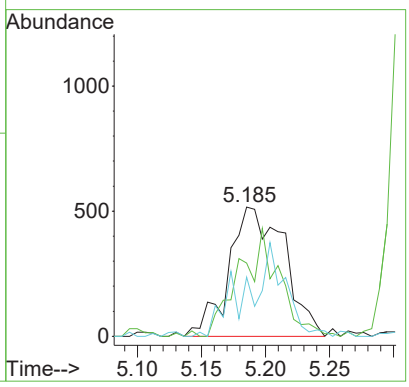


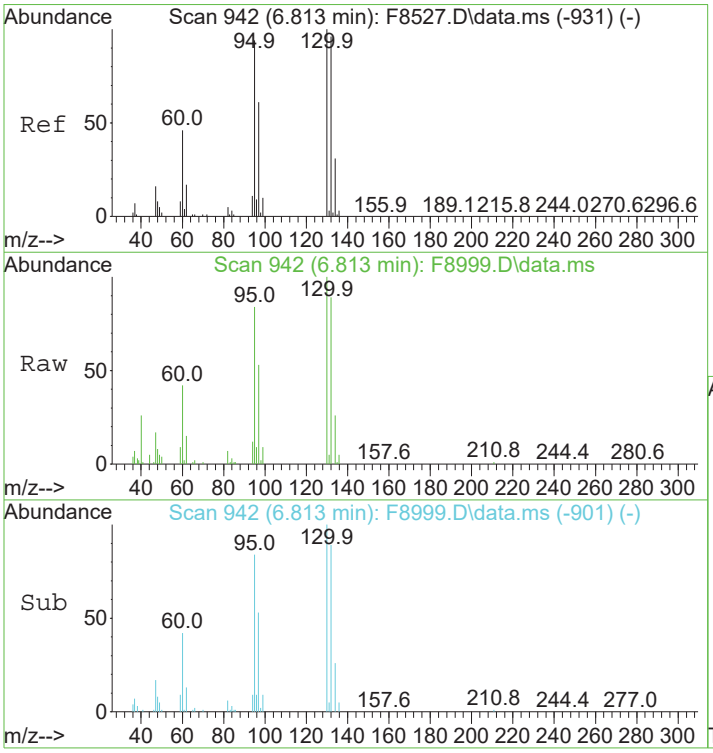


#41
1,1,1-Trichloroethane
Concen: 0.39 ug/L m
RT: 5.185 min Scan# 675
Delta R.T. -0.012 min
Lab File: F8999.D
Acq: 22 Mar 2024 10:09 pm

Tgt Ion: 97 Resp: 1559

Ion	Ratio	Lower	Upper
97	100		
99	56.8	43.5	83.5
61	45.9	30.3	70.3

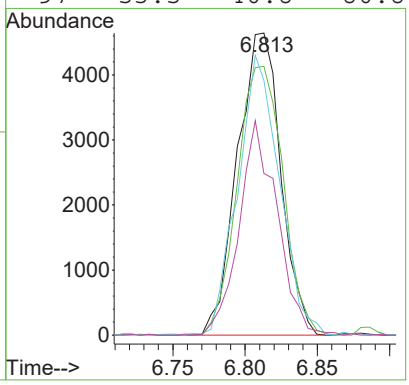


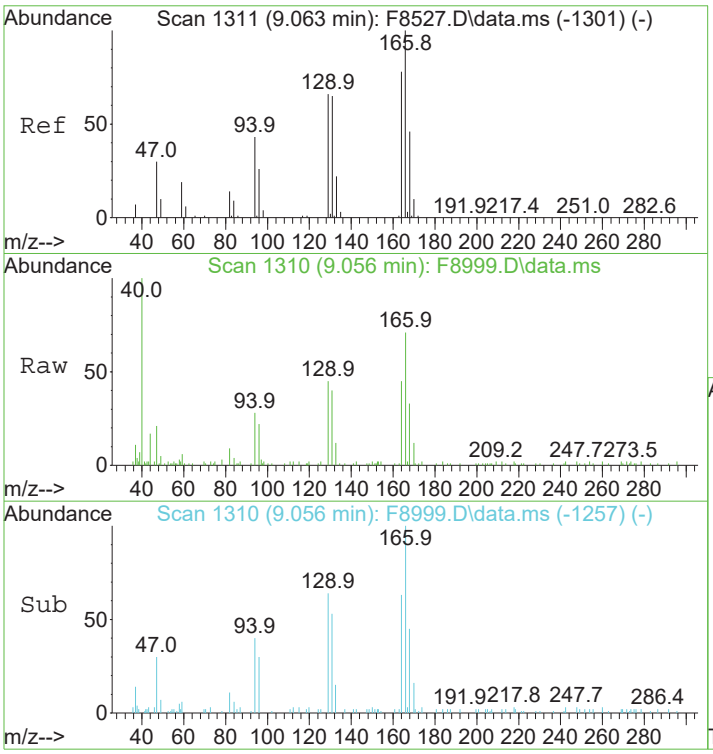


#54
Trichloroethene
Concen: 3.19 ug/L
RT: 6.813 min Scan# 942
Delta R.T. -0.000 min
Lab File: F8999.D
Acq: 22 Mar 2024 10:09 pm

Tgt Ion:130 Resp: 9679

Ion	Ratio	Lower	Upper
130	100		
132	89.0	76.0	116.0
95	84.3	73.7	113.7
97	53.5	40.8	80.8

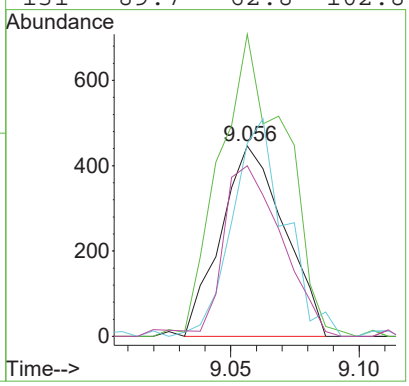




#72
Tetrachloroethene
Concen: 0.32 ug/L
RT: 9.056 min Scan# 1310
Delta R.T. -0.006 min
Lab File: F8999.D
Acq: 22 Mar 2024 10:09 pm

Tgt Ion:164 Resp: 766

Ion	Ratio	Lower	Upper
164	100		
166	158.7	108.1	148.1#
129	101.3	64.4	104.4
131	89.7	62.8	102.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9000.D
Acq On : 22 Mar 2024 10:31 pm
Operator : F.NAEGLER
Sample : R2402277-004
Misc : VCG 7979 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 25 08:26:57 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

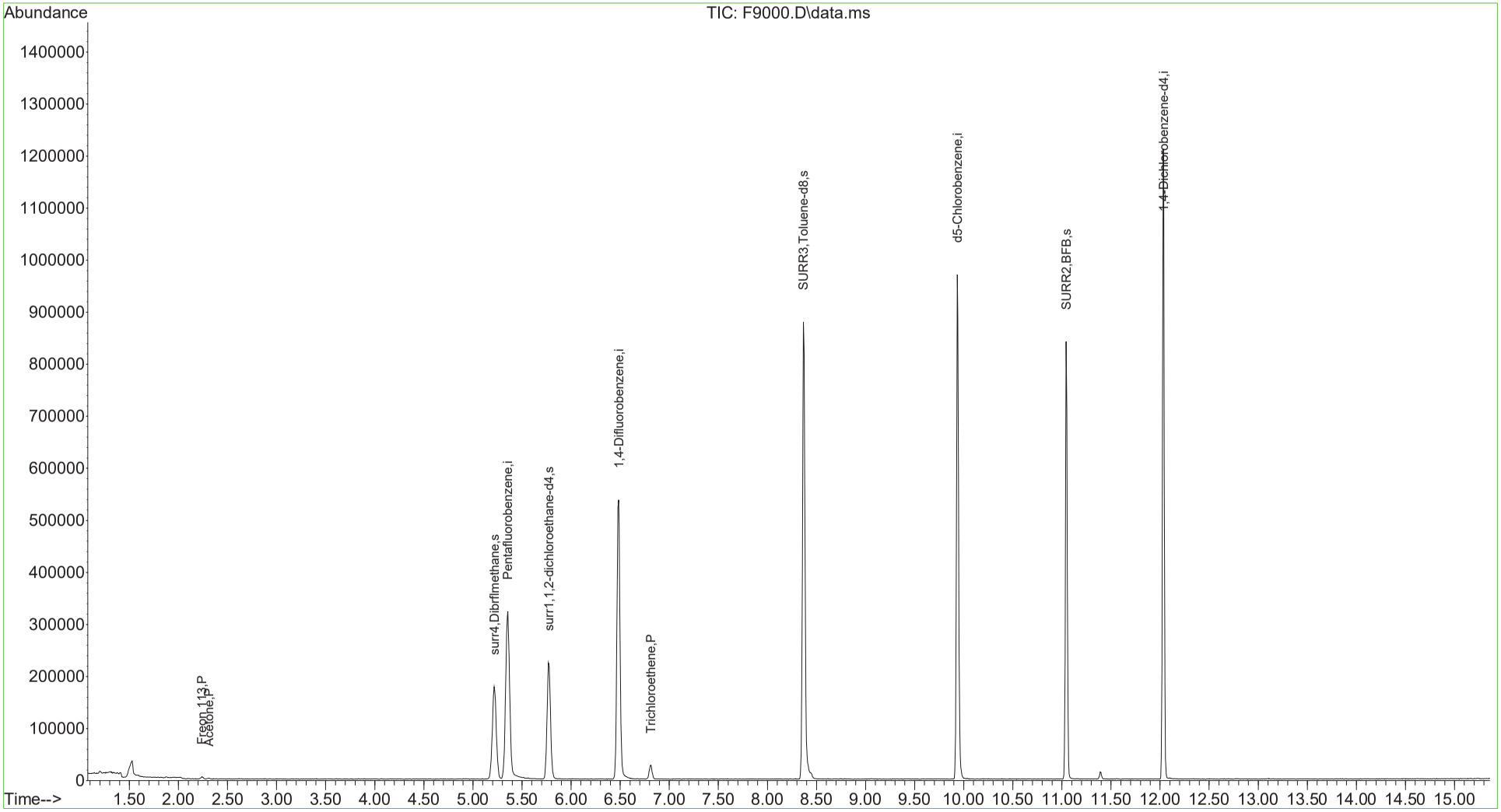
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	337040	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	509495	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	457720	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.037	152	241729	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	146520	45.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 91.38%			
48) surr1,1,2-dichloroetha...	5.770	65	193566	48.30	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.60%			
65) SURR3,Toluene-d8	8.367	98	592709	49.52	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.04%			
70) SURR2,BFB	11.044	95	202991	45.44	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.88%			
Target Compounds						Qvalue
15) Freon 113	2.241	101	1690	0.654	ug/L	95
16) Acetone	2.314	43	1601	0.866	ug/L	74
54) Trichloroethene	6.813	130	9032	2.993	ug/L	92

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

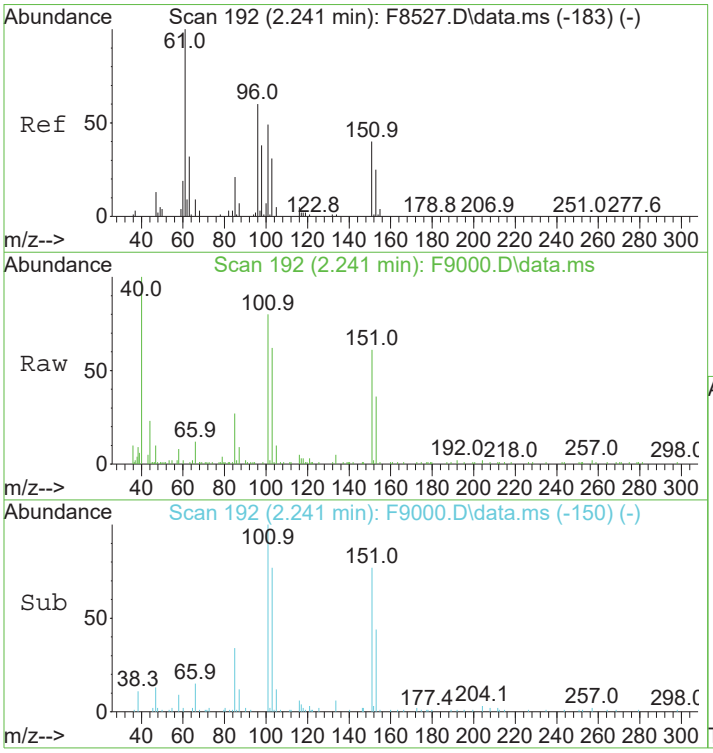
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9000.D
Acq On : 22 Mar 2024 10:31 pm
Operator : F.NAEGLER
Sample : R2402277-004
Misc : VCG 7979 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 25 08:26:57 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



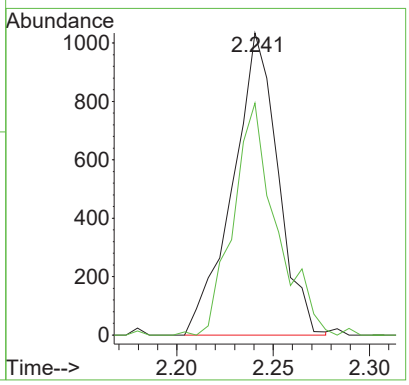
1st FJ 03/25/24
2nd 03/25/24

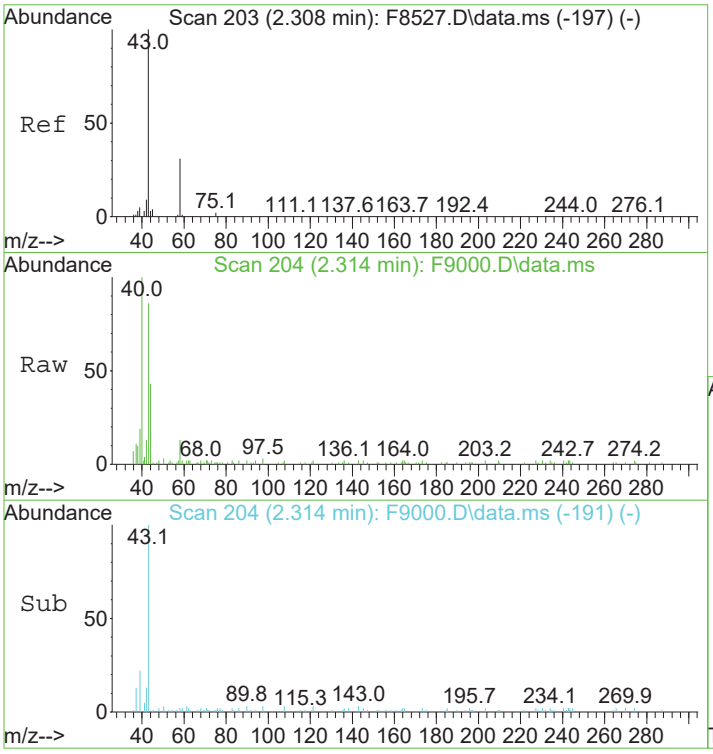


#15
Freon 113
Concen: 0.65 ug/L
RT: 2.241 min Scan# 192
Delta R.T. -0.000 min
Lab File: F9000.D
Acq: 22 Mar 2024 10:31 pm

Tgt Ion:101 Resp: 1690

Ion	Ratio	Lower	Upper
101	100		
151	76.8	61.4	101.4

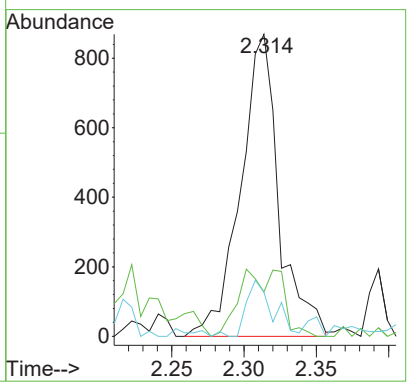


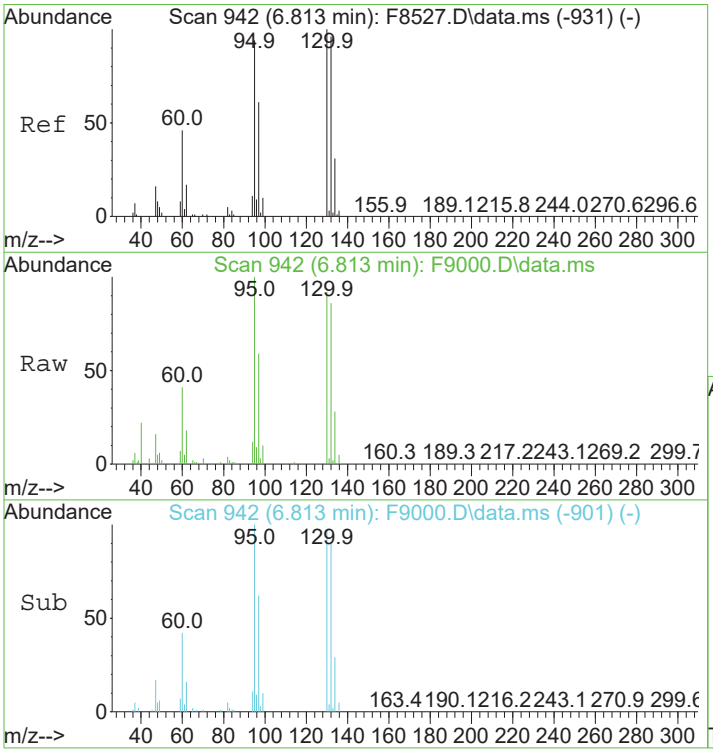


#16
Acetone
Concen: 0.87 ug/L
RT: 2.314 min Scan# 204
Delta R.T. 0.006 min
Lab File: F9000.D
Acq: 22 Mar 2024 10:31 pm

Tgt Ion: 43 Resp: 1601

Ion	Ratio	Lower	Upper
43	100		
58	14.7	10.6	50.6
42	14.6	0.0	28.7

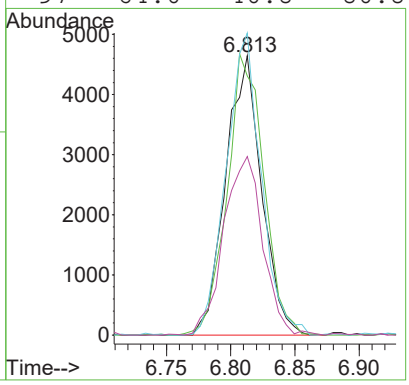




#54
Trichloroethene
Concen: 2.99 ug/L
RT: 6.813 min Scan# 942
Delta R.T. -0.000 min
Lab File: F9000.D
Acq: 22 Mar 2024 10:31 pm

Tgt Ion:130 Resp: 9032

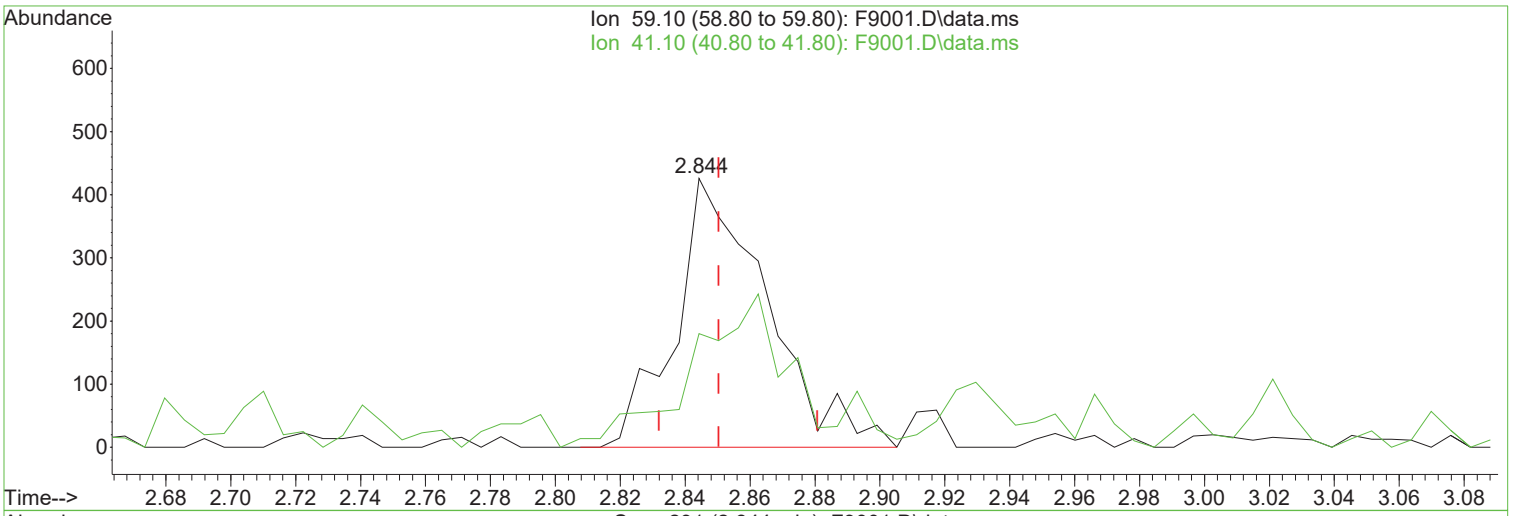
Ion	Ratio	Lower	Upper
130	100		
132	92.9	76.0	116.0
95	108.2	73.7	113.7
97	64.0	40.8	80.8

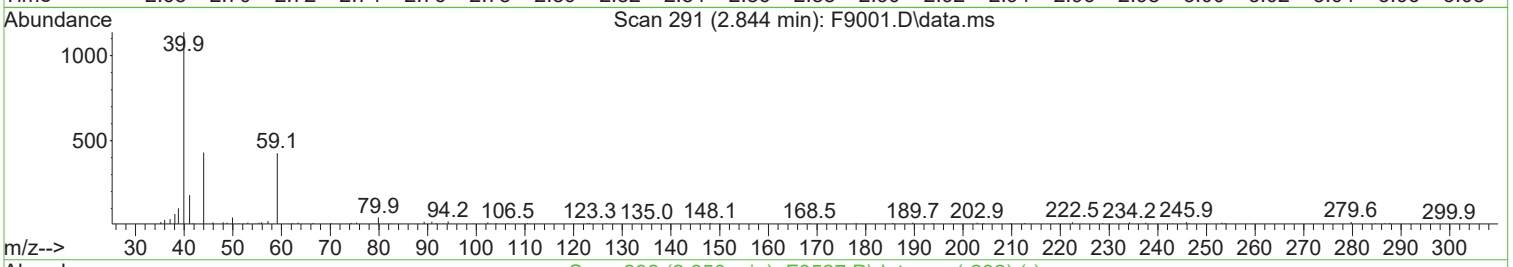


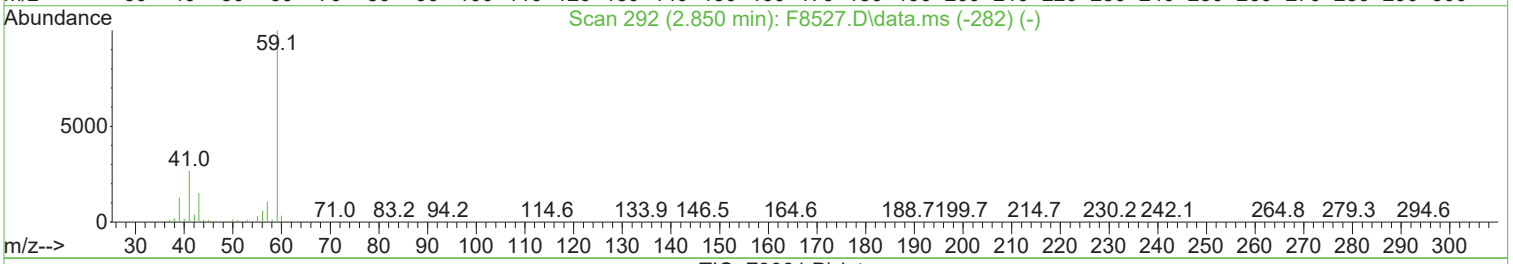
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9001.D
Acq On : 22 Mar 2024 10:53 pm
Operator : F.NAEGLER
Sample : R2402277-006
Misc : VCG 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 25 08:27:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9001.D\data.ms

(24) TBA

2.844min (-0.006) 1.67 ug/L m

response 843

Ion	Exp%	Act%
59.10	100.00	100.00
41.10	26.90	42.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

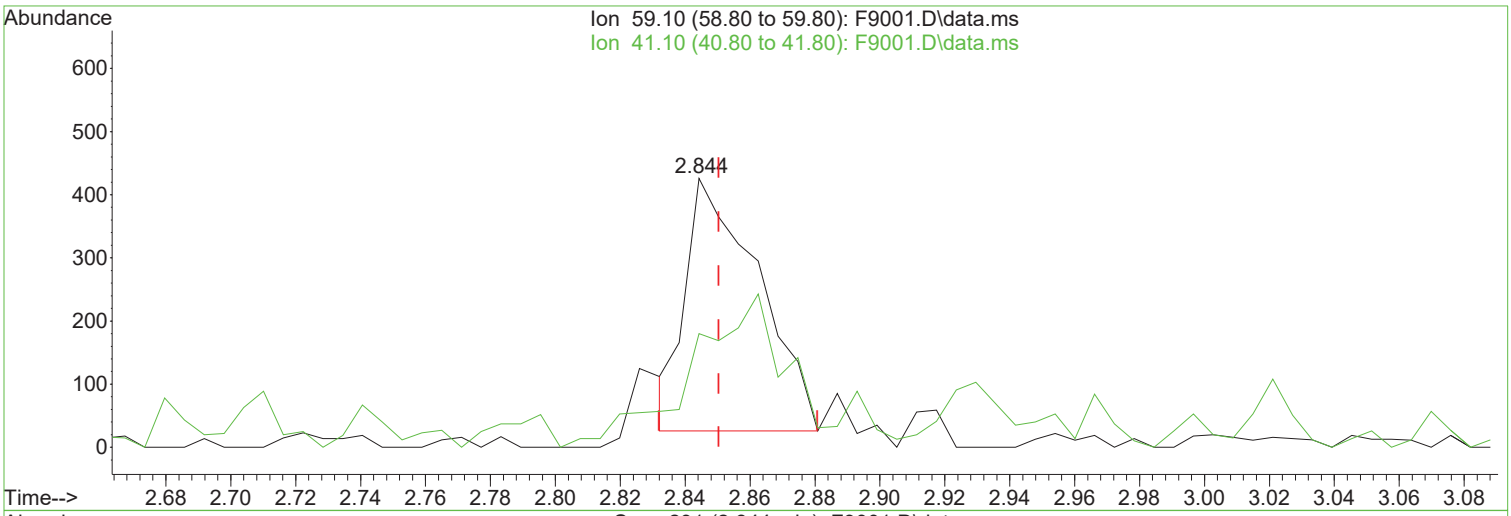
Poor integration.

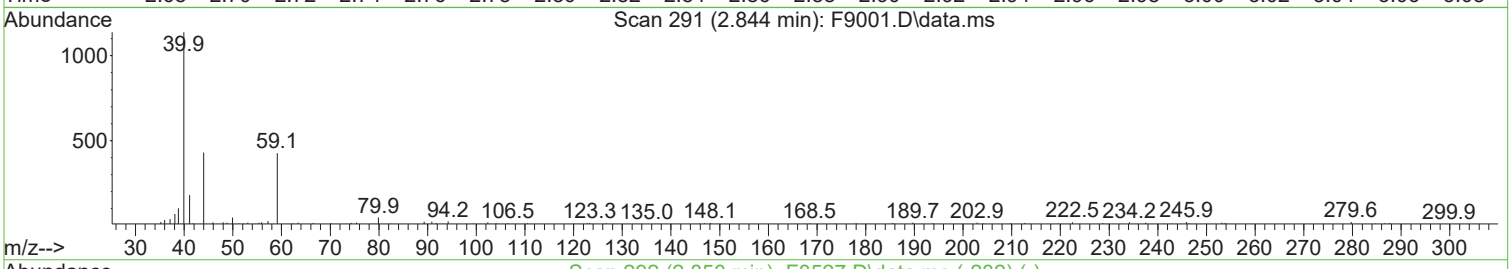
03/25/24

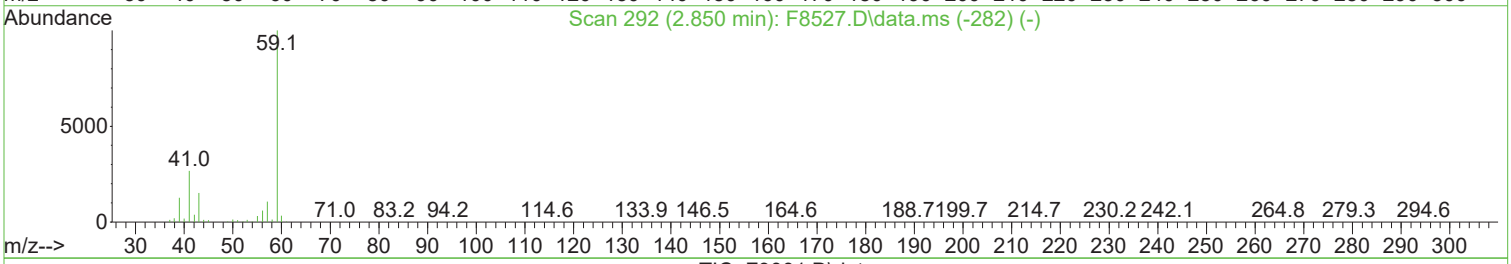
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9001.D
Acq On : 22 Mar 2024 10:53 pm
Operator : F.NAEGLER
Sample : R2402277-006
Misc : VCG 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 25 08:27:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9001.D\data.ms

(24) TBA

2.844min (-0.006) 1.24 ug/L

response 623

Ion	Exp%	Act%
59.10	100.00	100.00
41.10	26.90	45.54
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/25/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9001.D
Acq On : 22 Mar 2024 10:53 pm
Operator : F.NAEGLER
Sample : R2402277-006
Misc : VCG 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 25 08:27:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

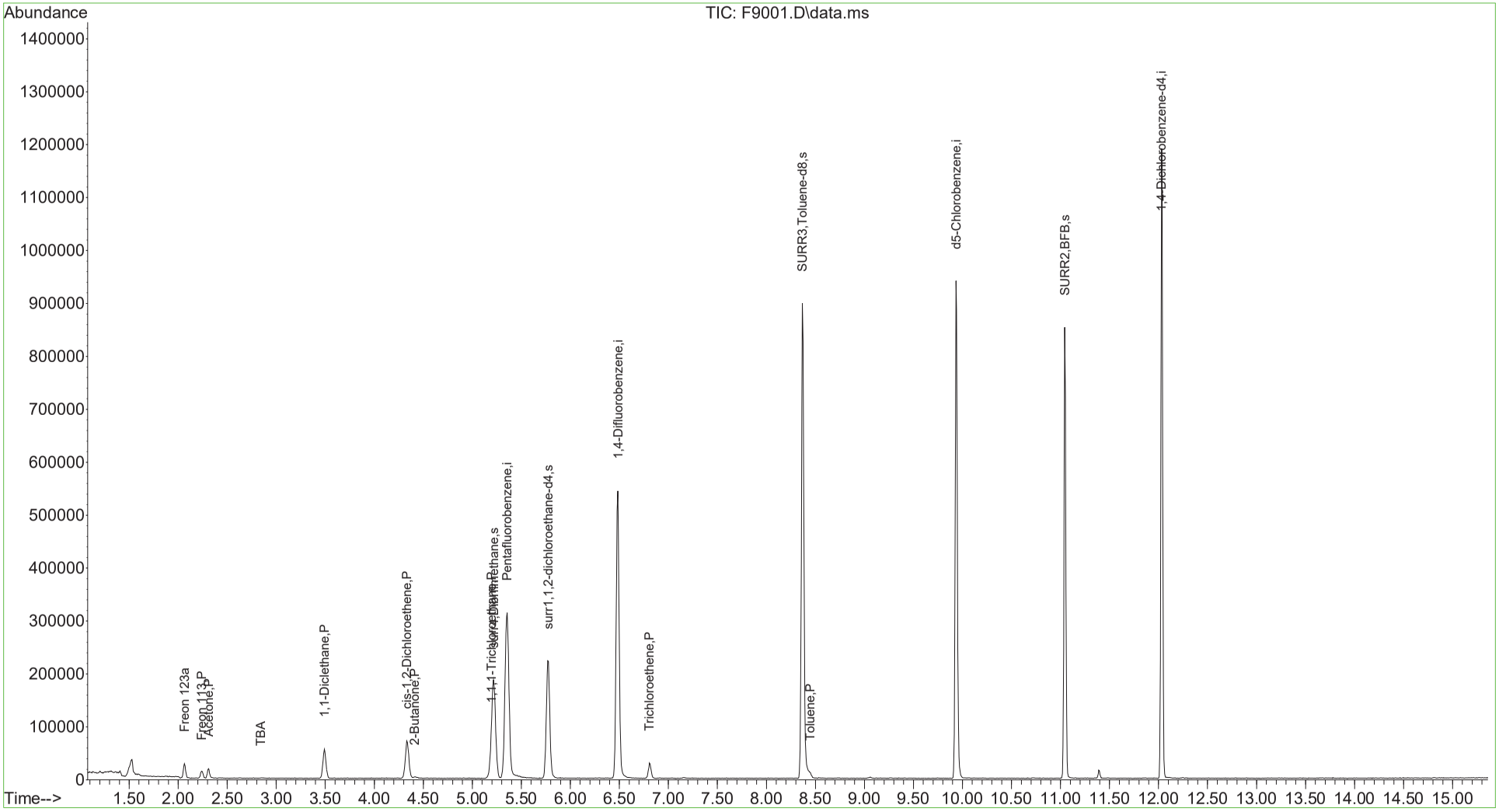
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	336551	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	498201	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	451172	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.031	152	236811	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	145574	46.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 92.86%			
48) surr1,1,2-dichloroetha...	5.770	65	194061	49.52	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.04%			
65) SURR3,Toluene-d8	8.368	98	591796	50.57	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.14%			
70) SURR2,BFB	11.044	95	205572	47.07	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.14%			
Target Compounds						Qvalue
11) Freon 123a	2.064	67	11436	3.423	ug/L	96
15) Freon 113	2.235	101	5060	1.960	ug/L #	75
16) Acetone	2.308	43	19255	10.435	ug/L	97
24) TBA	2.844	59	843m	1.672	ug/L	
28) 1,1-Diclethane	3.490	63	56248	10.792	ug/L	100
34) cis-1,2-Dichloroethene	4.332	96	40174	12.500	ug/L	89
35) 2-Butanone	4.411	43	4817	1.958	ug/L	91
41) 1,1,1-Trichloroethane	5.191	97	15612	3.986	ug/L	97
54) Trichloroethene	6.807	130	9582	3.247	ug/L	95
66) Toluene	8.447	91	3097	0.267	ug/L	88

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

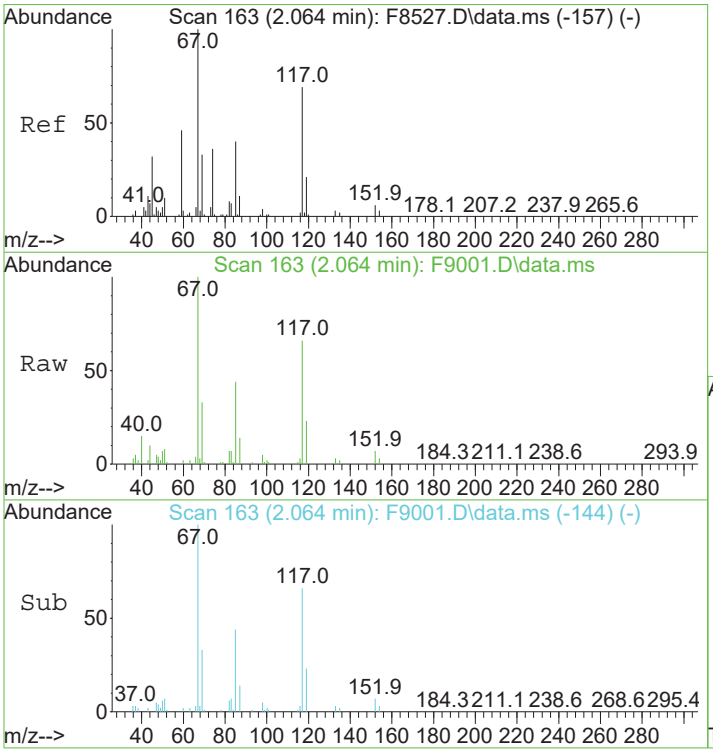
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9001.D
Acq On : 22 Mar 2024 10:53 pm
Operator : F.NAEGLER
Sample : R2402277-006
Misc : VCG 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 25 08:27:15 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



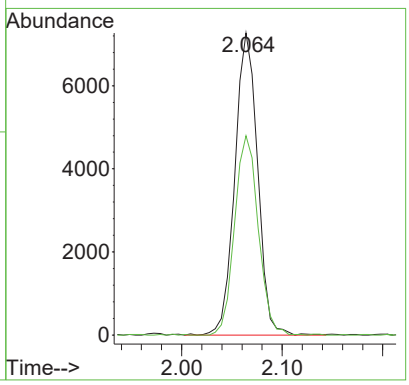
1st FJ 03/25/24
2nd [illegible] 03/25/24

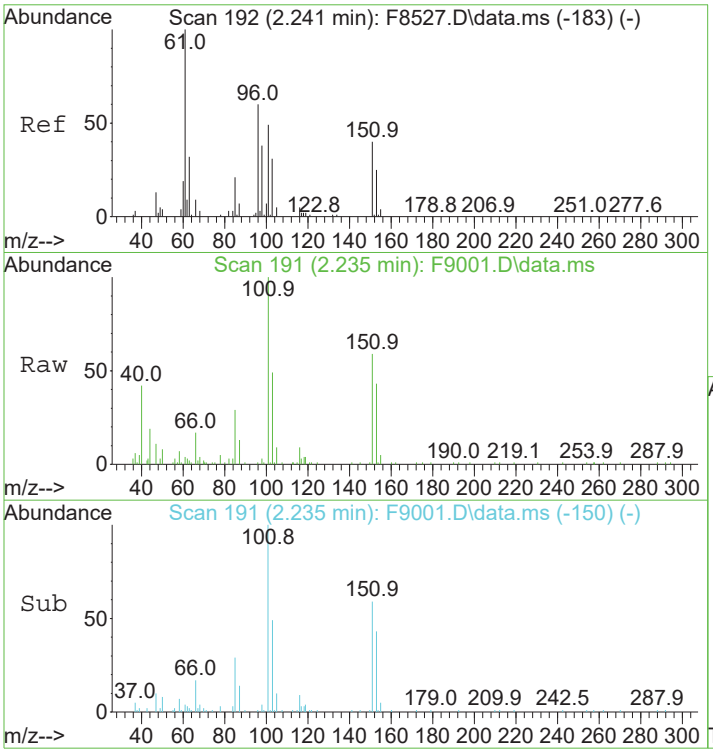


#11
Freon 123a
Concen: 3.42 ug/L
RT: 2.064 min Scan# 163
Delta R.T. -0.000 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion: 67 Resp: 11436

Ion	Ratio	Lower	Upper
67	100		
117	66.0	48.9	88.9

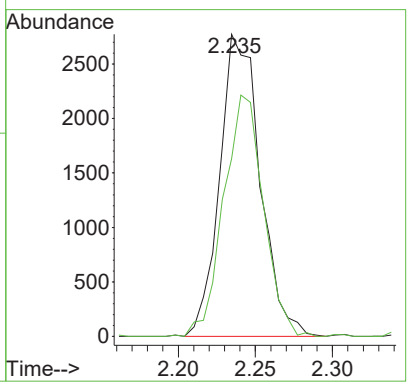


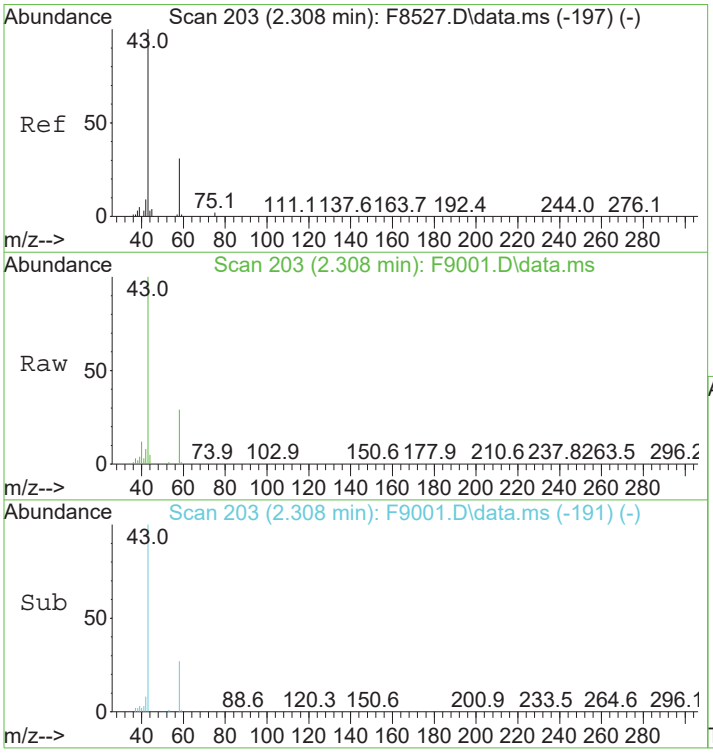


#15
Freon 113
Concen: 1.96 ug/L
RT: 2.235 min Scan# 191
Delta R.T. -0.006 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion:101 Resp: 5060

Ion	Ratio	Lower	Upper
101	100		
151	58.8	61.4	101.4#

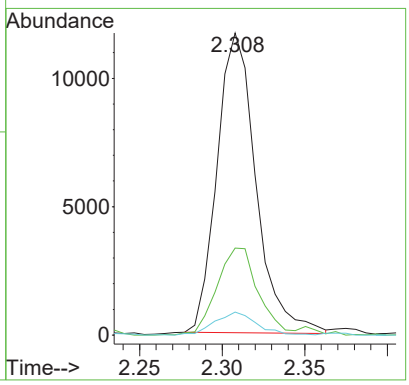


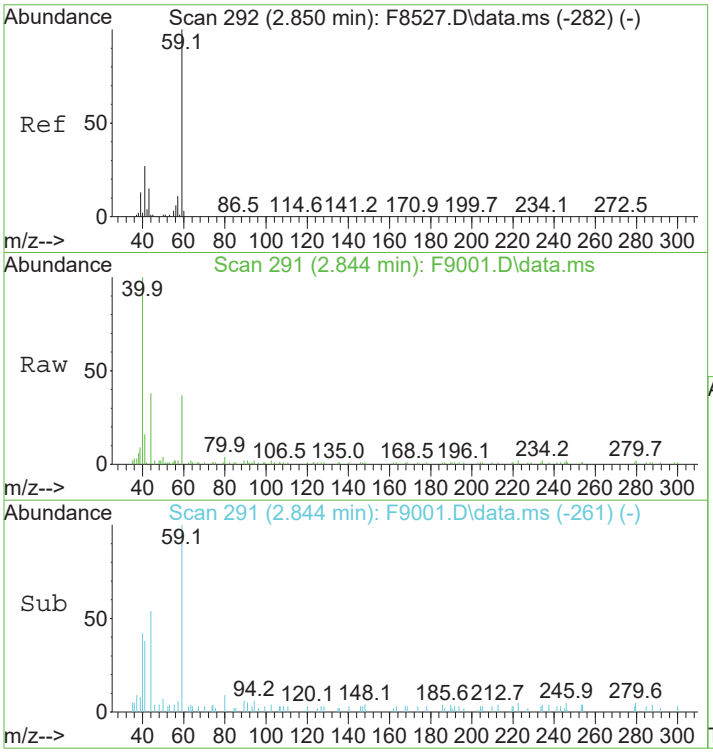


#16
Acetone
Concen: 10.44 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion: 43 Resp: 19255

Ion	Ratio	Lower	Upper
43	100		
58	28.7	10.6	50.6
42	7.6	0.0	28.7

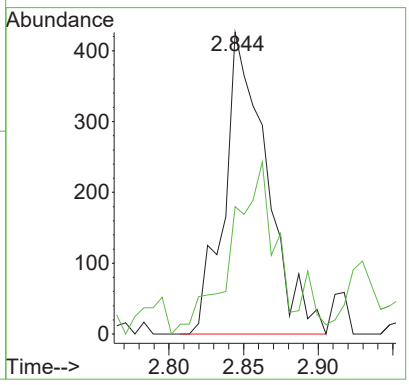


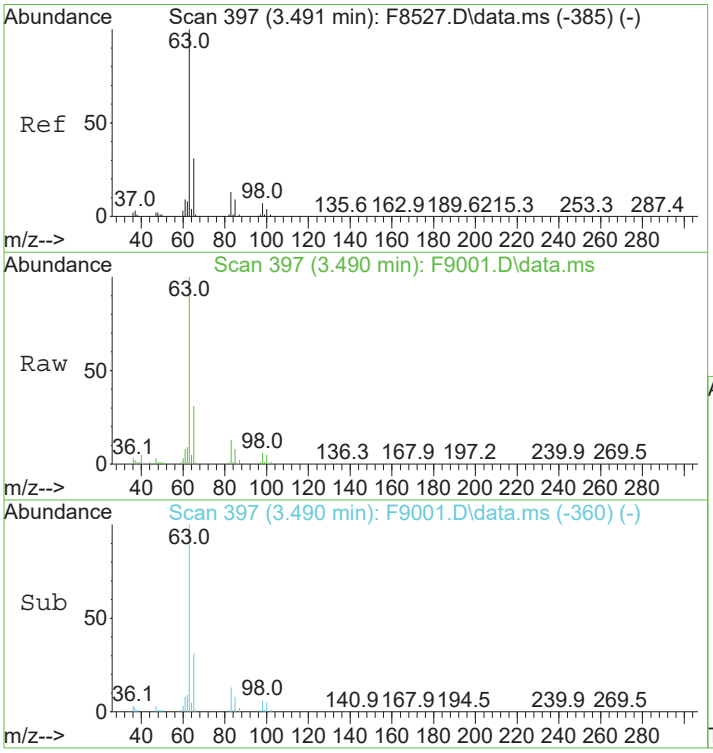


#24
TBA
Concen: 1.67 ug/L m
RT: 2.844 min Scan# 291
Delta R.T. -0.006 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion: 59 Resp: 843

Ion	Ratio	Lower	Upper
59	100		
41	42.3	6.9	46.9

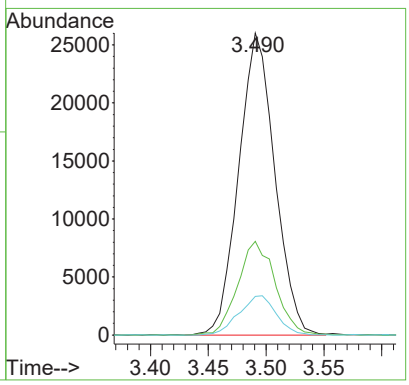


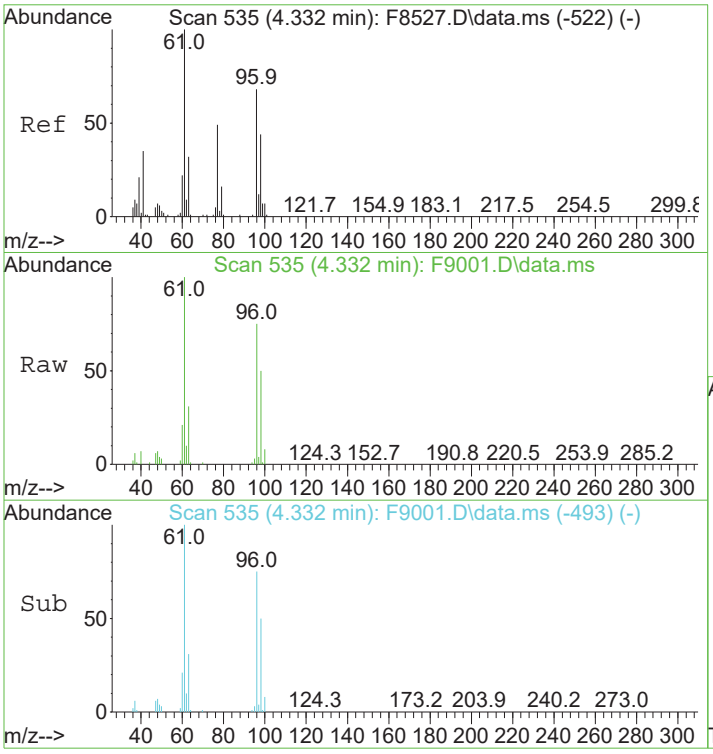


#28
1,1-Diclethane
Concen: 10.79 ug/L
RT: 3.490 min Scan# 397
Delta R.T. -0.000 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion: 63 Resp: 56248

Ion	Ratio	Lower	Upper
63	100		
65	31.0	11.0	51.0
83	12.8	0.0	32.9

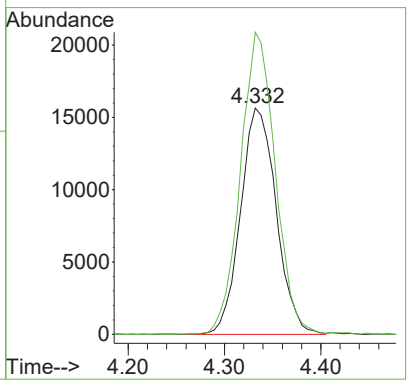


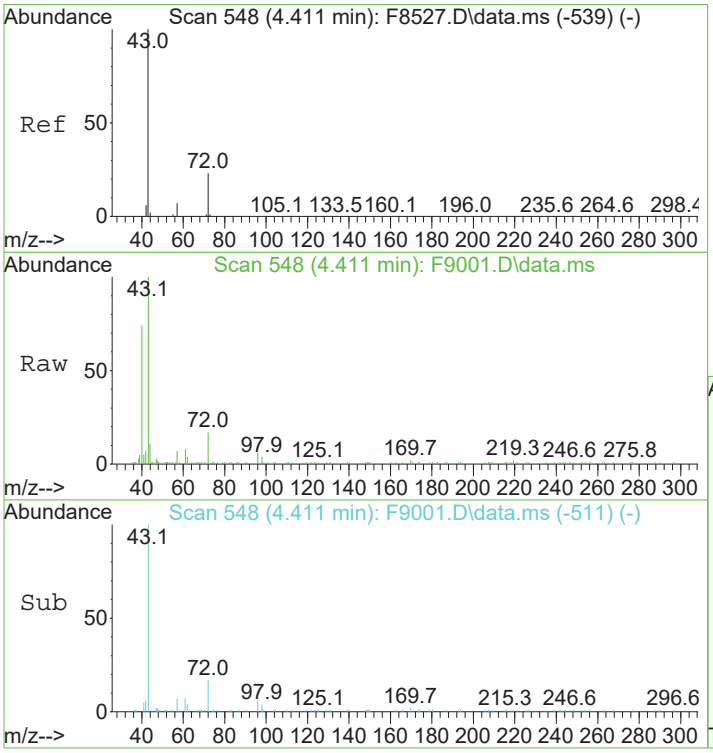


#34
cis-1,2-Dichloroethene
Concen: 12.50 ug/L
RT: 4.332 min Scan# 535
Delta R.T. -0.000 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion: 96 Resp: 40174

Ion	Ratio	Lower	Upper
96	100		
61	133.5	127.4	167.4

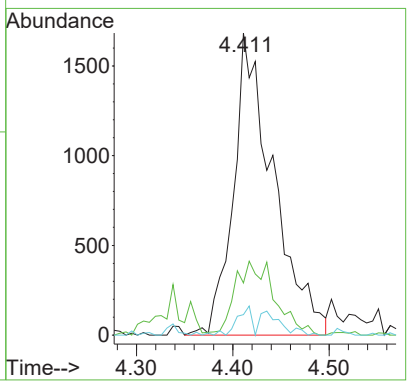


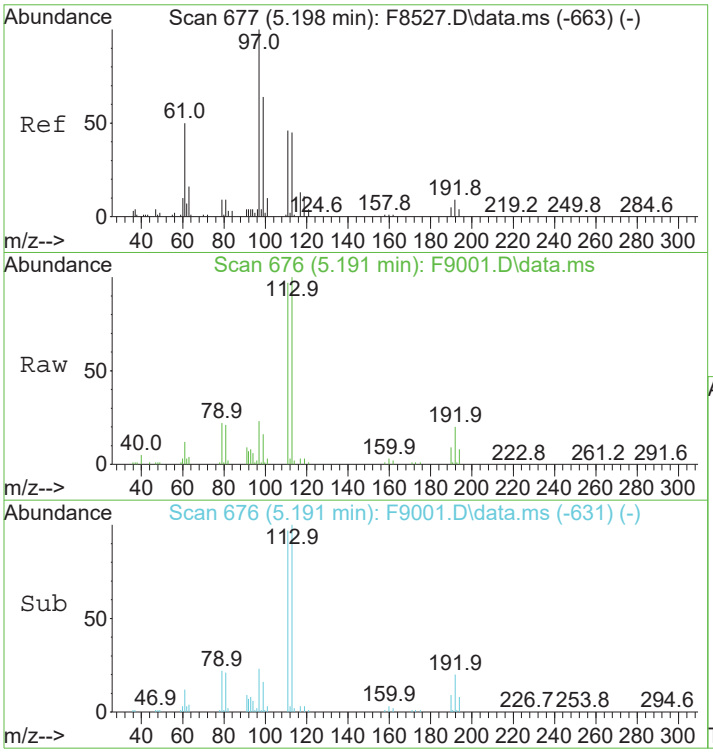


#35
2-Butanone
Concen: 1.96 ug/L
RT: 4.411 min Scan# 548
Delta R.T. -0.000 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion: 43 Resp: 4817

Ion	Ratio	Lower	Upper
43	100		
72	17.3	3.1	43.1
57	6.8	0.0	27.1

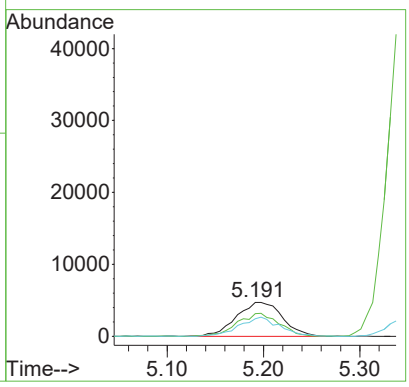


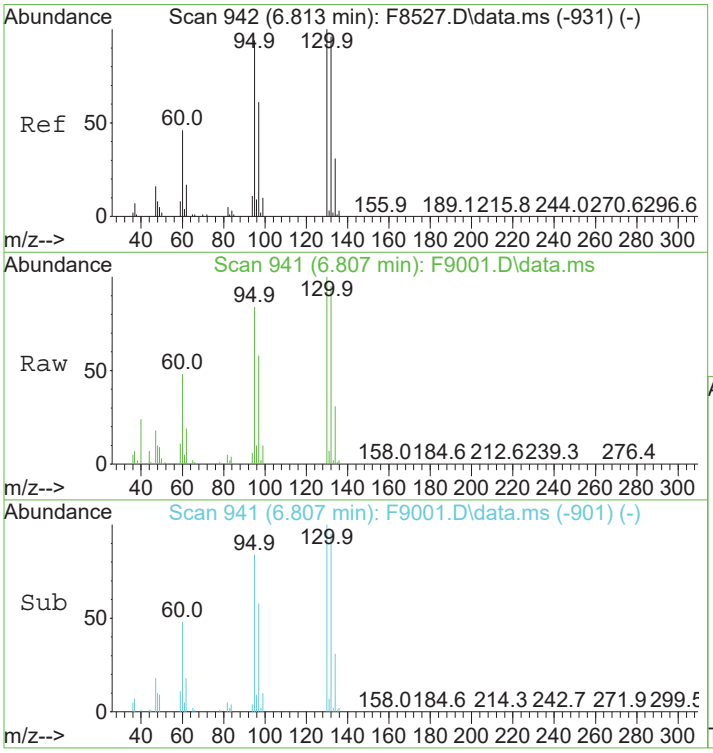


#41
1,1,1-Trichloroethane
Concen: 3.99 ug/L
RT: 5.191 min Scan# 676
Delta R.T. -0.006 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion: 97 Resp: 15612

Ion	Ratio	Lower	Upper
97	100		
99	67.1	43.5	83.5
61	51.5	30.3	70.3

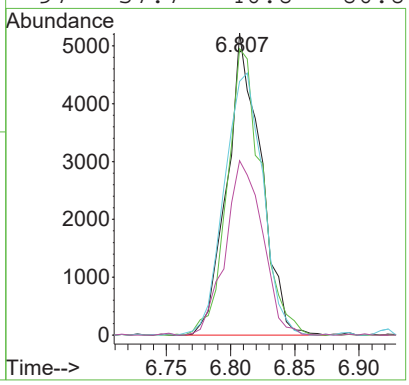


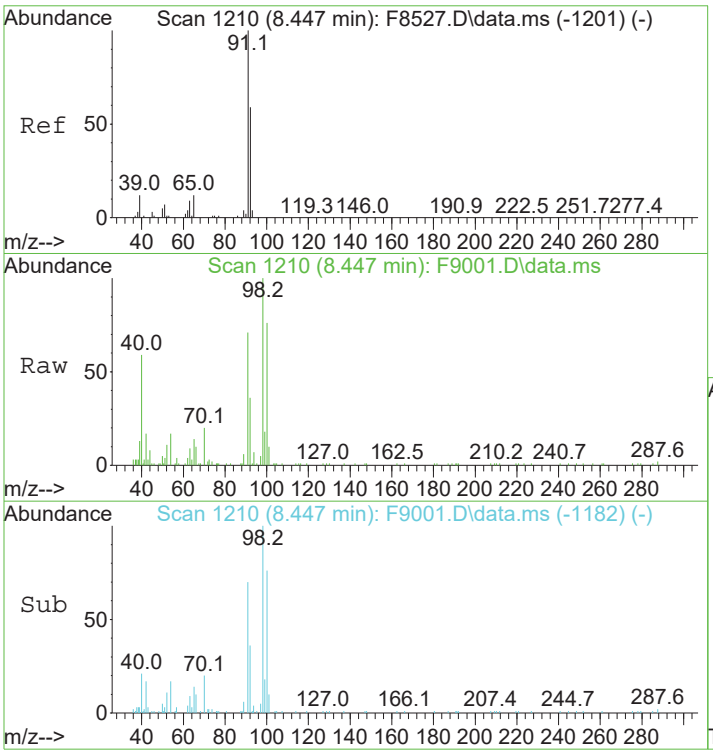


#54
Trichloroethene
Concen: 3.25 ug/L
RT: 6.807 min Scan# 941
Delta R.T. -0.006 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion:130 Resp: 9582

Ion	Ratio	Lower	Upper
130	100		
132	94.8	76.0	116.0
95	84.0	73.7	113.7
97	57.7	40.8	80.8

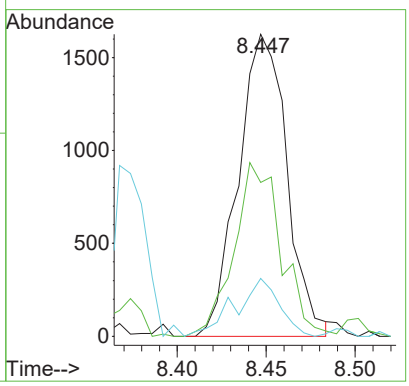




#66
Toluene
Concen: 0.27 ug/L
RT: 8.447 min Scan# 1210
Delta R.T. -0.000 min
Lab File: F9001.D
Acq: 22 Mar 2024 10:53 pm

Tgt Ion: 91 Resp: 3097

Ion	Ratio	Lower	Upper
91	100		
92	51.0	39.2	79.2
65	19.2	0.0	31.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8982.D
Acq On : 22 Mar 2024 03:50 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:27:22 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

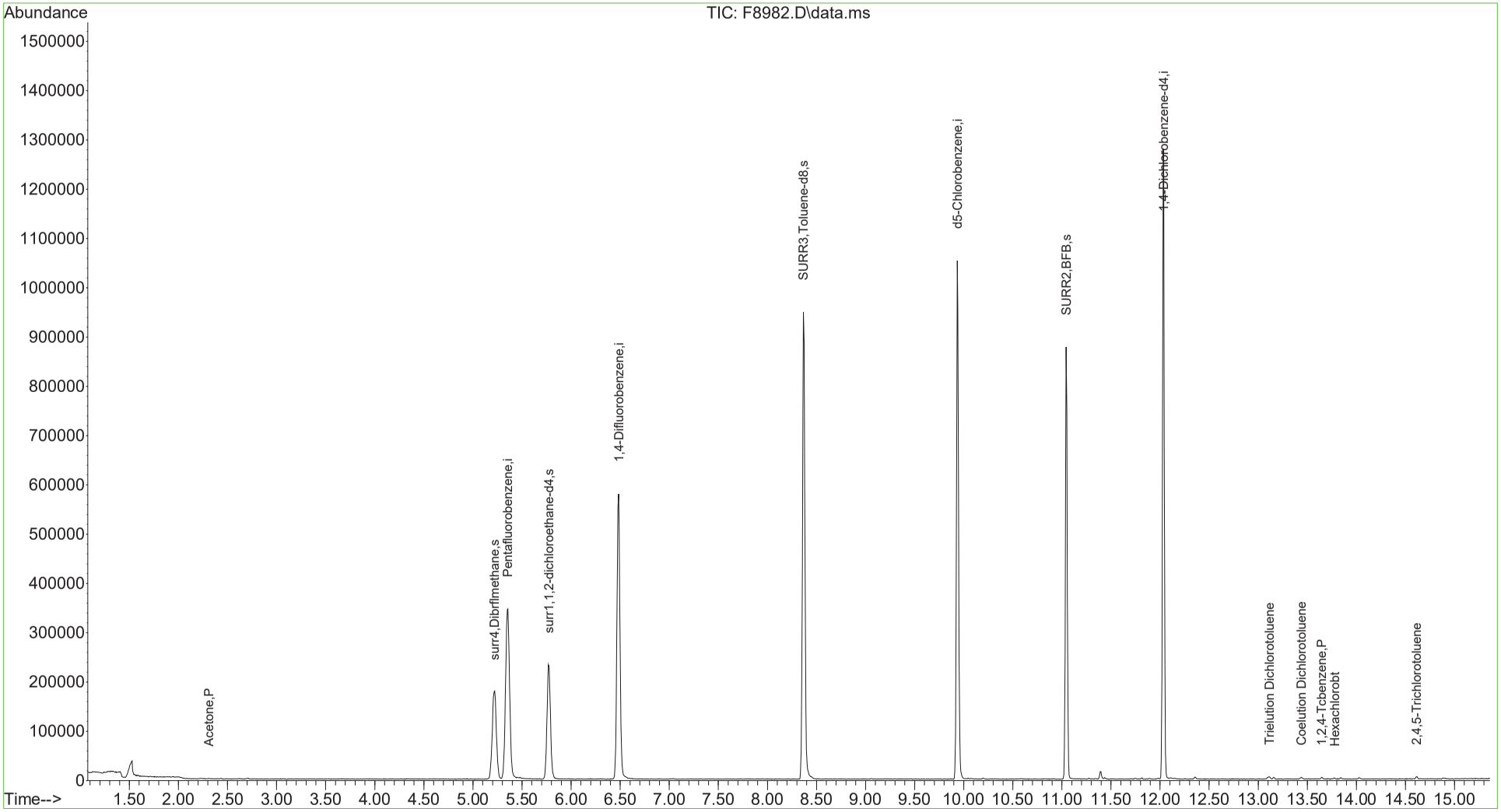
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	366476	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	541211	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	485434	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	258556	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	153312	45.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 90.02%			
48) surr1,1,2-dichloroetha...	5.770	65	201324	47.29	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 94.58%			
65) SURR3,Toluene-d8	8.368	98	608099	47.83	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.66%			
70) SURR2,BFB	11.044	95	213330	44.96	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 89.92%			
Target Compounds						Qvalue
16) Acetone	2.308	43	936	0.466	ug/L	90
112) Trielution Dichlorotol...	13.117	125	2116	0.373	ug/L	79
114) Coelution Dichlorotoluene	13.440	125	1451	0.234	ug/L	96
115) 1,2,4-Tcbenzene	13.647	180	1017	0.204	ug/L #	68
116) Hexachlorobt	13.781	225	522	0.241	ug/L #	80
119) 2,4,5-Trichlorotoluene	14.616	159	1105	0.335	ug/L	80

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

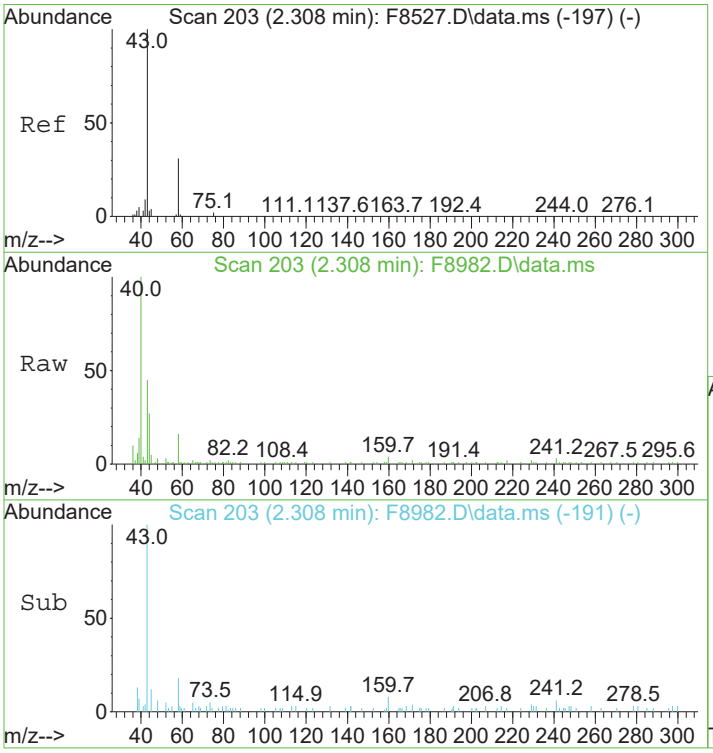
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8982.D
Acq On : 22 Mar 2024 03:50 pm
Operator : F.NAEGLER
Sample : MBLK-UNP
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 16:27:22 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



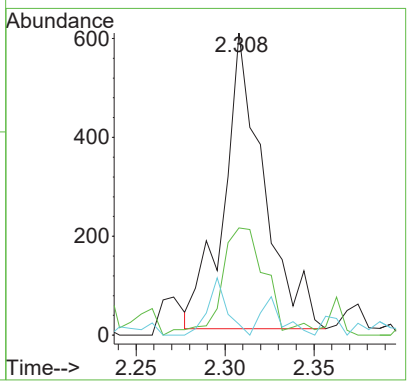
1st FJ 03/25/24
2nd 03/25/24

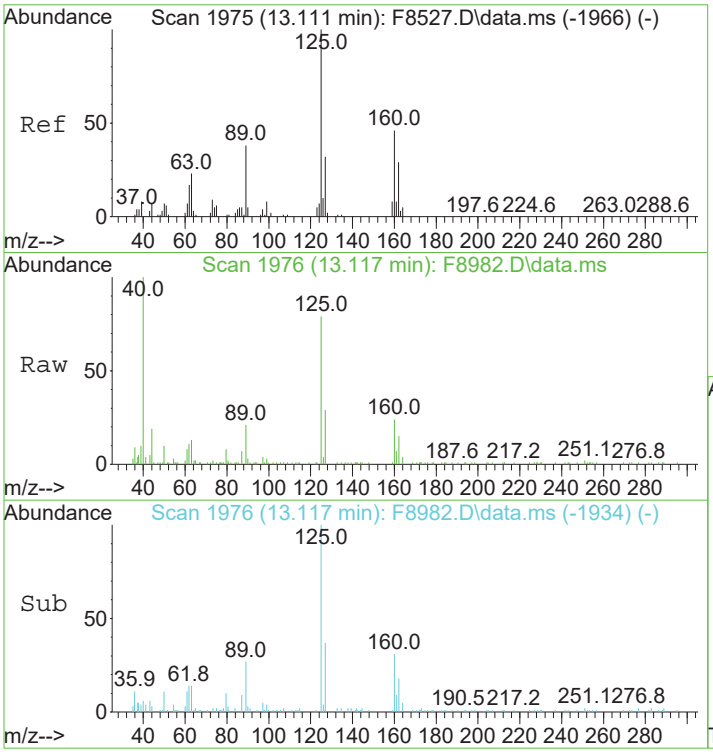


#16
Acetone
Concen: 0.47 ug/L
RT: 2.308 min Scan# 203
Delta R.T. -0.000 min
Lab File: F8982.D
Acq: 22 Mar 2024 03:50 pm

Tgt Ion: 43 Resp: 936

Ion	Ratio	Lower	Upper
43	100		
58	35.5	10.6	50.6
42	3.6	0.0	28.7

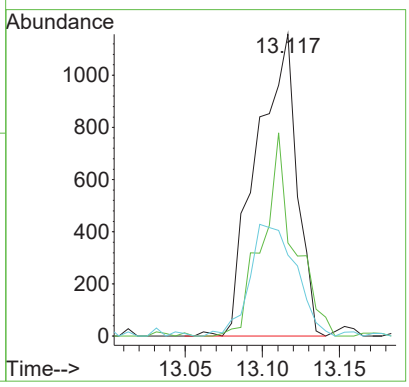


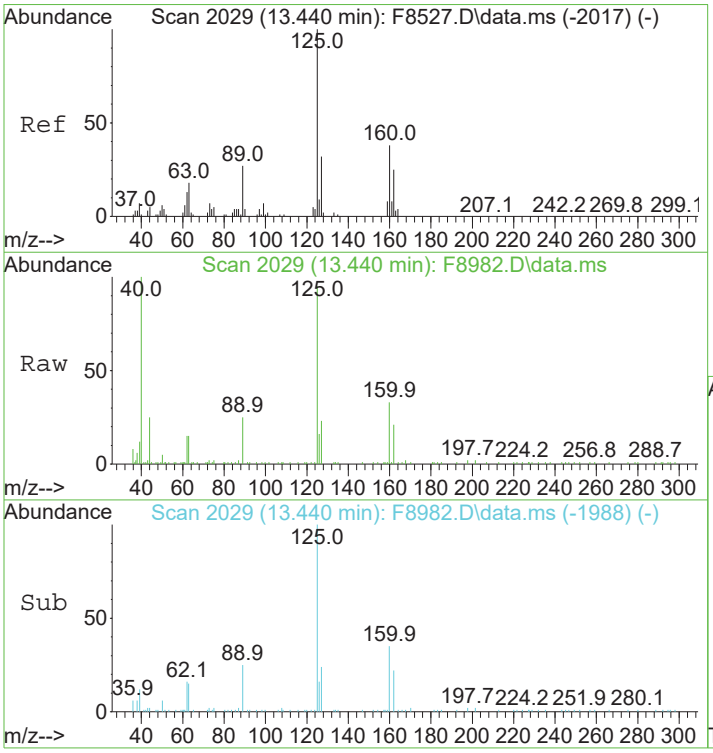


#112
Trielution Dichlorotoluene
Concen: 0.37 ug/L
RT: 13.117 min Scan# 1976
Delta R.T. 0.006 min
Lab File: F8982.D
Acq: 22 Mar 2024 03:50 pm

Tgt Ion:125 Resp: 2116

Ion	Ratio	Lower	Upper
125	100		
160	30.9	26.3	66.3
89	26.9	18.1	58.1

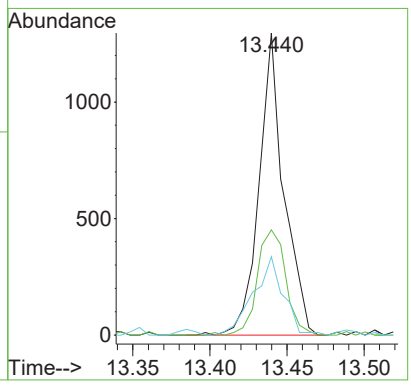


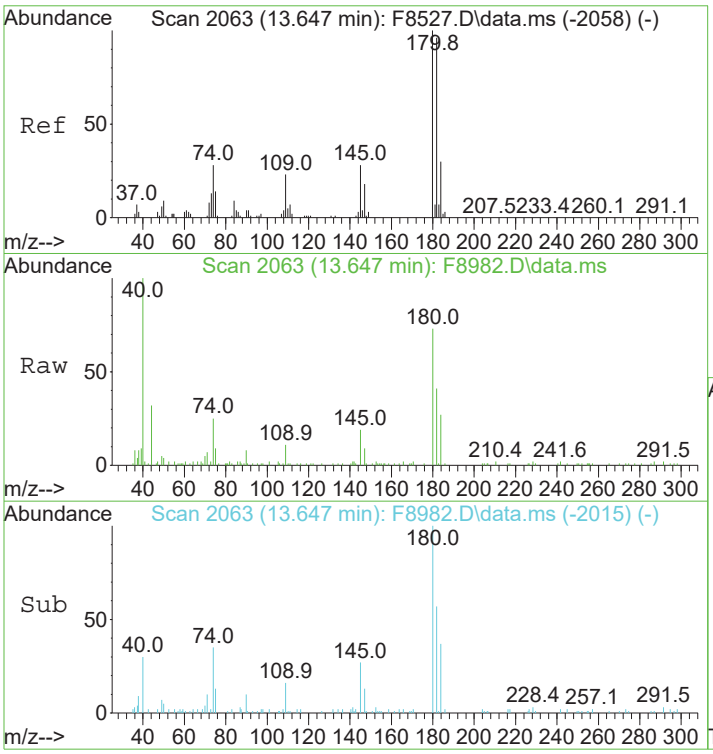


#114
Coelution Dichlorotoluene
Concen: 0.23 ug/L
RT: 13.440 min Scan# 2029
Delta R.T. -0.000 min
Lab File: F8982.D
Acq: 22 Mar 2024 03:50 pm

Tgt Ion:125 Resp: 1451

Ion	Ratio	Lower	Upper
125	100		
160	34.9	18.3	58.3
89	25.9	6.8	46.8

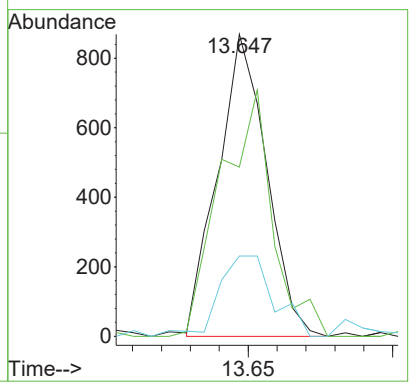




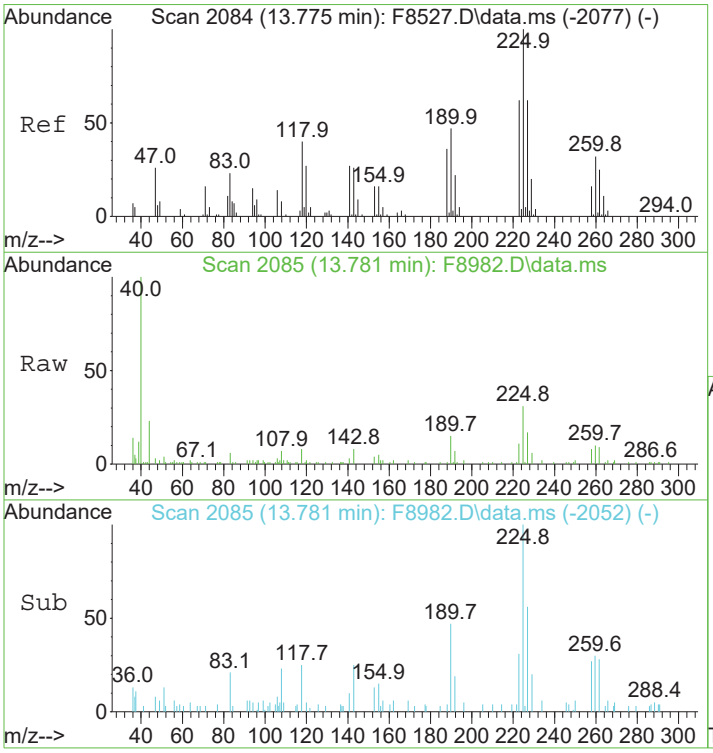
#115
1,2,4-Tcbenzene
Concen: 0.20 ug/L
RT: 13.647 min Scan# 2063
Delta R.T. -0.000 min
Lab File: F8982.D
Acq: 22 Mar 2024 03:50 pm

Tgt Ion:180 Resp: 1017

Ion	Ratio	Lower	Upper
180	100		
182	56.0	75.9	115.9#
145	26.6	8.0	48.0



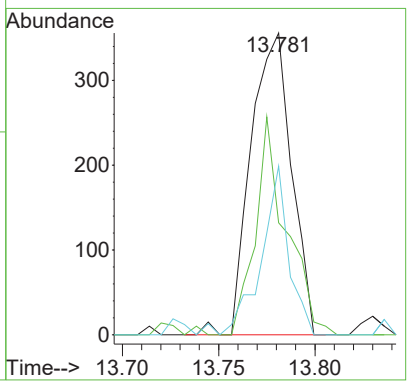
1st FN 03/25/24
2nd 03/25/24

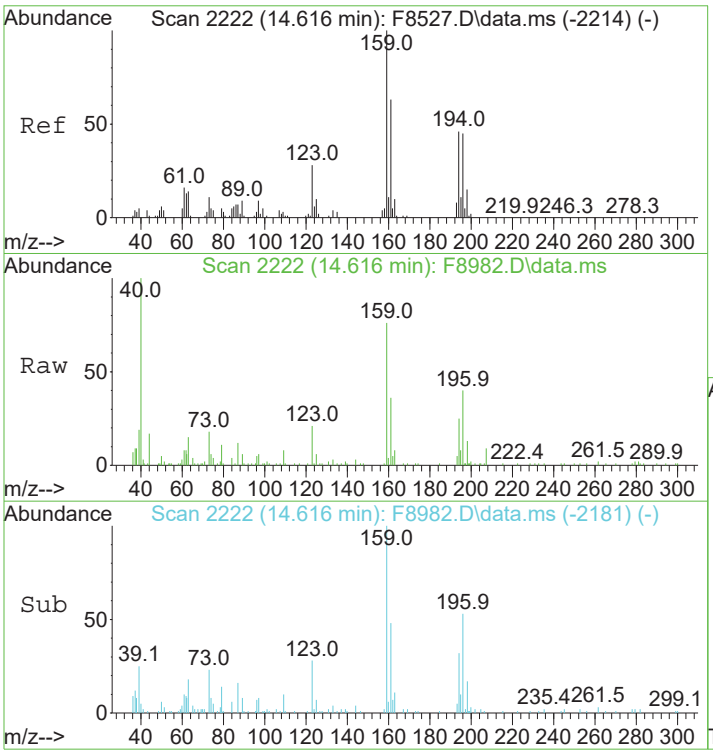


#116
Hexachlorobt
Concen: 0.24 ug/L
RT: 13.781 min Scan# 2085
Delta R.T. 0.006 min
Lab File: F8982.D
Acq: 22 Mar 2024 03:50 pm

Tgt Ion:225 Resp: 522

Ion	Ratio	Lower	Upper
225	100		
223	37.1	42.2	82.2#
227	55.9	42.1	82.1

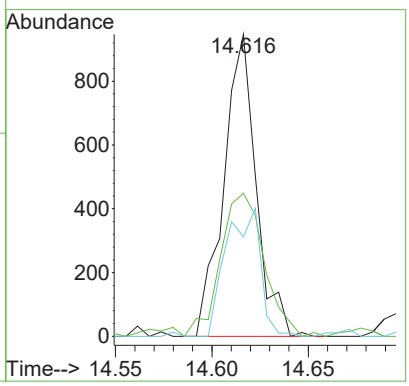




#119
2,4,5-Trichlorotoluene
Concen: 0.33 ug/L
RT: 14.616 min Scan# 2222
Delta R.T. -0.000 min
Lab File: F8982.D
Acq: 22 Mar 2024 03:50 pm

Tgt Ion:159 Resp: 1105

Ion	Ratio	Lower	Upper
159	100		
161	47.3	43.0	83.0
194	32.9	26.1	66.1

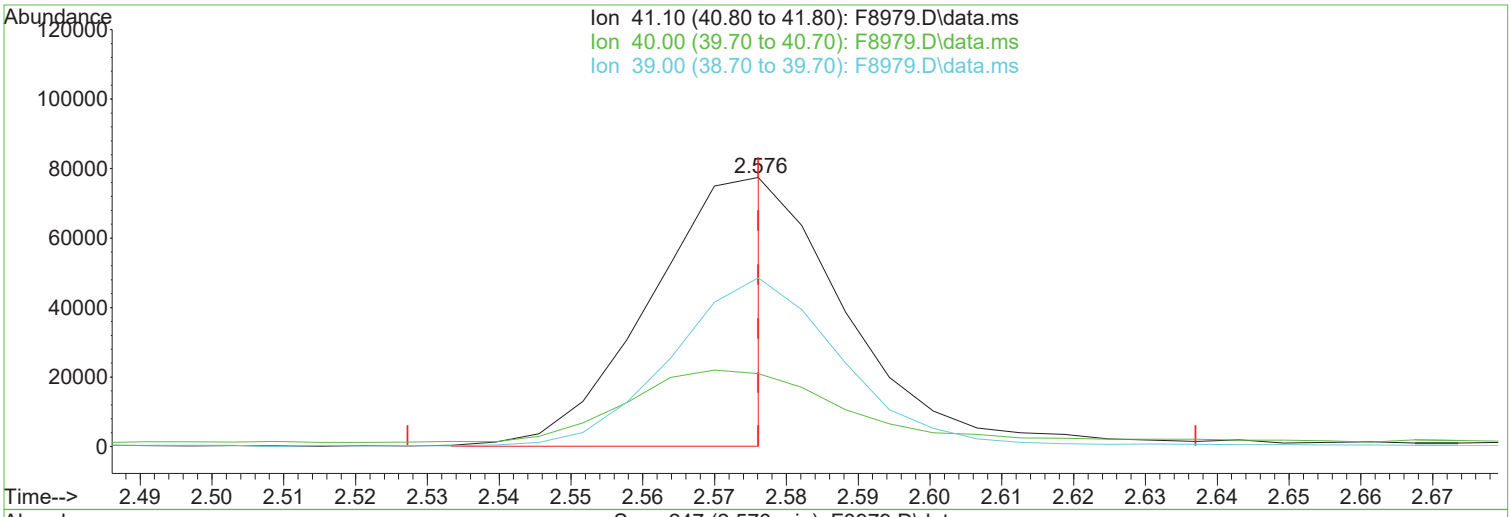


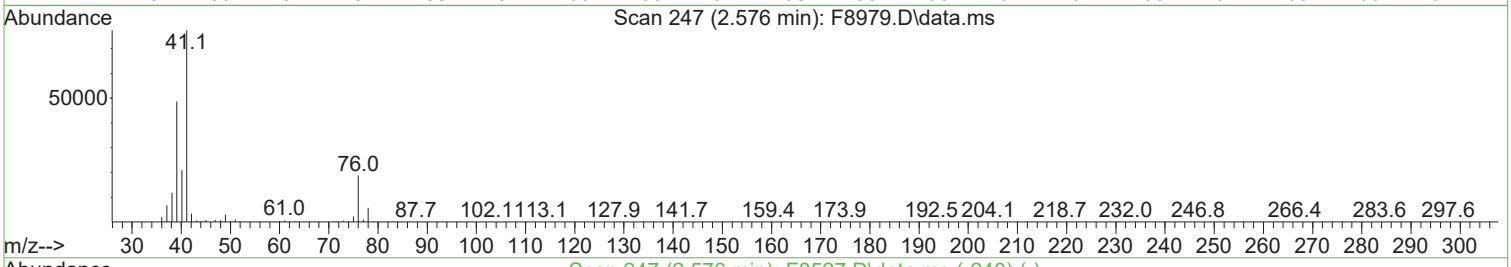
1st FN 03/22/24
2nd MR 03/25/24

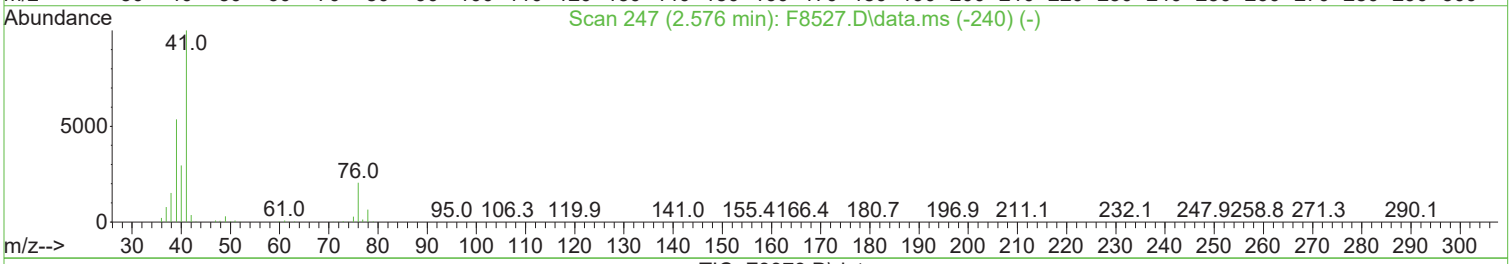
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8979.D
Acq On : 22 Mar 2024 02:29 pm
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 14:54:32 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8979.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 103.87 ug/L m

response 92538

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	27.10
39.00	53.70	62.71
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

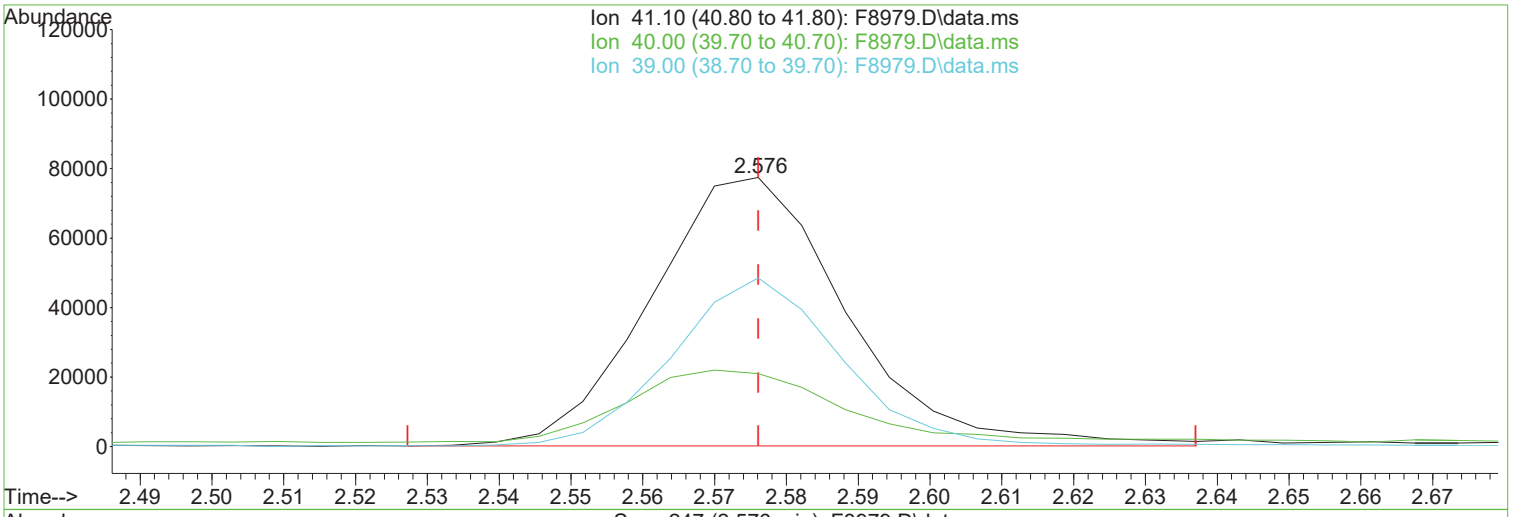
03/22/24

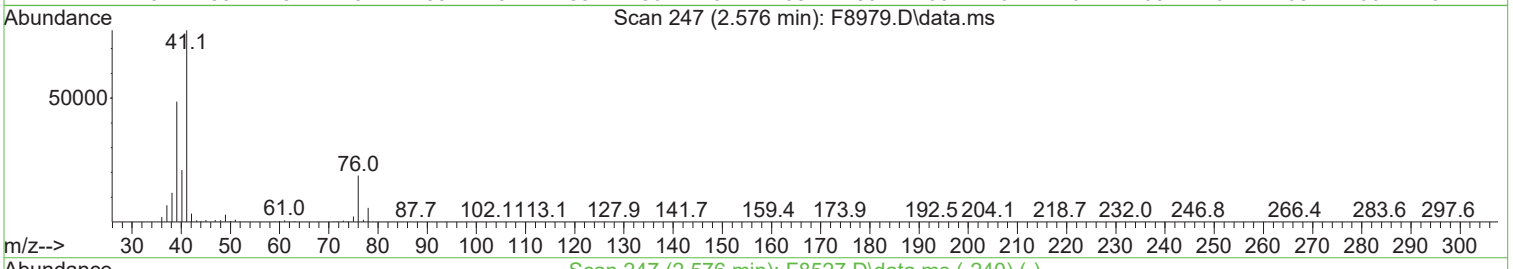
1st FN 03/22/24
2nd MR 03/25/24

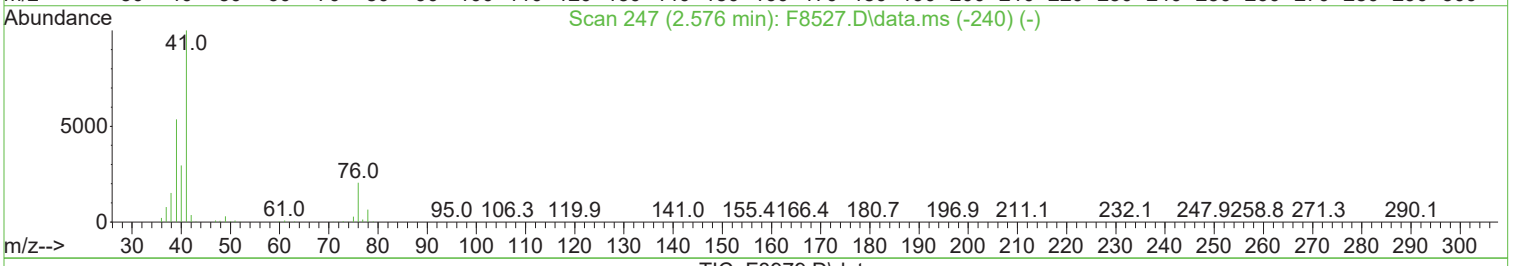
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8979.D
Acq On : 22 Mar 2024 02:29 pm
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 14:54:32 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8979.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 164.60 ug/L

response 146643

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	27.10
39.00	53.70	62.71
0.00	0.00	0.00

Manual Integration:

Before

03/22/24

1st FNJ 03/22/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8979.D
Acq On : 22 Mar 2024 02:29 pm
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 14:54:32 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.350	168	368767	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	543417	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	503158	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	270507	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	165556	48.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.80%			
48) surr1,1,2-dichloroetha...	5.771	65	208461	48.77	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.54%			
65) SURR3,Toluene-d8	8.368	98	650940	50.99	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.98%			
70) SURR2,BFB	11.044	95	234699	49.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.52%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.143	51	64555	18.839	ug/L	95
3) Dichlorodifluoromethane	1.119	85	51006	12.975	ug/L	97
4) Chloromethane	1.265	50	65351	14.440	ug/L	95
5) Vinyl Chloride	1.326	62	70221	15.795	ug/L	99
6) Bromomethane	1.552	94	50472	15.837	ug/L	96
7) Chloroethane	1.631	64	49112	13.963	ug/L	100
8) Freon 21	1.784	67	111294	16.947	ug/L	99
9) Trichlorofluoromethane	1.820	101	97894	18.720	ug/L	98
10) Diethyl Ether	2.052	59	55544	18.019	ug/L	96
11) Freon 123a	2.064	67	66674	18.215	ug/L	93
12) Freon 123	2.119	83	90449	22.005	ug/L	99
13) Acrolein	2.168	56	23713	23.646	ug/L	98
14) 1,1-Diclethene	2.241	96	50563	18.059	ug/L	97
15) Freon 113	2.241	101	53907	19.059	ug/L	94
16) Acetone	2.308	43	32165	15.909	ug/L	96
17) 2-Propanol	2.436	45	101811	300.684	ug/L	96
18) Iodomethane	2.375	142	89913	22.023	ug/L	99
19) Carbon Disulfide	2.430	76	137522	18.009	ug/L	98
20) Acetonitrile	2.576	41	92538m	103.867	ug/L	
21) Allyl Chloride	2.576	76	30365	20.565	ug/L #	82
22) Methyl Acetate	2.607	43	65909	12.259	ug/L	98
23) Methylene Chloride	2.698	84	62158	17.920	ug/L	96
24) TBA	2.844	59	158801	287.484	ug/L	86
25) Acrylonitrile	2.978	53	164415	84.794	ug/L	99
26) Methyl-t-Butyl Ether	2.991	73	190692	18.391	ug/L	98
27) trans-1,2-Dichloroethene	2.978	96	57970	18.680	ug/L	92
28) 1,1-Diclethane	3.490	63	106779	18.696	ug/L	97
29) Vinyl Acetate	3.588	86	10767	25.421	ug/L #	75
30) DIPE	3.594	45	202888	21.408	ug/L	94
31) 2-Chloro-1,3-Butadiene	3.600	53	95813	20.252	ug/L	95
32) ETBE	4.125	59	164056	18.956	ug/L	98
33) 2,2-Dichloropropane	4.314	77	65843	17.798	ug/L	99
34) cis-1,2-Dichloroethene	4.332	96	69847	19.834	ug/L	90
35) 2-Butanone	4.411	43	40576	15.051	ug/L	98
36) Propionitrile	4.521	54	70805	85.943	ug/L	100
37) Bromochloromethane	4.734	130	45113	19.801	ug/L	98
38) Methacrylonitrile	4.765	67	35589	17.950	ug/L	95
39) Tetrahydrofuran	4.832	42	28306	15.203	ug/L	90
40) Chloroform	4.917	83	108712	19.382	ug/L	99

1st FNJ 03/22/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8979.D
Acq On : 22 Mar 2024 02:29 pm
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 14:54:32 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41)	1,1,1-Trichloroethane	5.197	97	84275	19.639	ug/L	96
42)	TAME	6.069	73	170749	20.414	ug/L	97
44)	Cyclohexane	5.252	41	56484	19.063	ug/L	95
46)	Carbontetrachloride	5.472	117	67386	18.606	ug/L	91
47)	1,1-Dichloropropene	5.490	75	77003	18.918	ug/L	96
49)	Benzene	5.825	78	245194	21.426	ug/L	99
50)	1,2-Dichloroethane	5.892	62	91371	19.024	ug/L	96
51)	Iso-Butyl Alcohol	5.892	43	63947	309.338	ug/L	95
52)	n-Heptane	6.301	43	74267	20.640	ug/L	96
53)	1-Butanol	6.892	56	97496	853.089	ug/L	100
54)	Trichloroethene	6.813	130	66744	20.736	ug/L	94
55)	Methylcyclohexane	7.032	55	67687	18.283	ug/L	94
56)	1,2-Diclpropane	7.118	63	64657	20.374	ug/L	97
57)	Dibromomethane	7.270	93	44931	19.765	ug/L	98
58)	1,4-Dioxane	7.343	88	26090	340.603	ug/L	96
59)	Methyl Methacrylate	7.356	69	54953	20.695	ug/L	97
60)	Bromodichloromethane	7.508	83	78374	19.766	ug/L	98
61)	2-Nitropropane	7.831	41	23957	29.928	ug/L	97
62)	2-Chloroethylvinyl Ether	7.935	63	48795	22.738	ug/L	95
63)	cis-1,3-Dichloropropene	8.075	75	90534	22.005	ug/L	99
64)	4-Methyl-2-pentanone	8.301	43	90776	17.853	ug/L	99
66)	Toluene	8.447	91	270481	21.366	ug/L	99
67)	trans-1,3-Dichloropropene	8.752	75	76022	22.476	ug/L	97
68)	Ethyl Methacrylate	8.892	69	91826	21.536	ug/L	94
69)	1,1,2-Trichloroethane	8.947	97	62167	19.978	ug/L	98
72)	Tetrachloroethene	9.056	164	54085	20.966	ug/L	95
73)	2-Hexanone	9.258	43	66462	17.873	ug/L	99
74)	1,3-Dichloropropane	9.124	76	109282	19.571	ug/L	97
75)	Dibromochloromethane	9.361	129	60047	19.594	ug/L	98
76)	N-Butyl Acetate	9.410	43	123533	19.760	ug/L	99
77)	1,2-Dibromoethane	9.459	107	64721	21.022	ug/L	99
78)	3-Chlorobenzotrifluoride	9.983	180	100297	21.128	ug/L	97
79)	Chlorobenzene	9.965	112	181697	20.658	ug/L	97
80)	4-Chlorobenzotrifluoride	10.044	180	89935	21.284	ug/L	93
81)	1,1,1,2-Tetrachloroethane	10.056	131	55667	19.773	ug/L	99
82)	Ethylbenzene	10.081	106	94815	21.298	ug/L	99
83)	(m+p)Xylene	10.203	106	236591	41.926	ug/L	98
84)	o-Xylene	10.568	106	116157	20.602	ug/L	96
85)	Styrene	10.587	104	197884	21.282	ug/L	100
86)	Bromoform	10.751	173	40837	20.497	ug/L	100
87)	2-Chlorobenzotrifluoride	10.831	180	96418	19.971	ug/L	97
88)	Isopropylbenzene	10.910	105	280034	19.769	ug/L	100
89)	Cyclohexanone	11.001	55	192199	283.607	ug/L	97
90)	trans-1,4-Dichloro-2-B...	11.245	53	19951	21.856	ug/L	94
92)	1,1,2,2-Tetrachloroethane	11.196	83	94072	18.792	ug/L	96
93)	Bromobenzene	11.166	156	80922	21.729	ug/L	92
94)	1,2,3-Trichloropropane	11.227	110	30642	18.776	ug/L	99
95)	n-Propylbenzene	11.276	91	344658	21.118	ug/L	99
96)	2-Chlorotoluene	11.343	91	201430	20.672	ug/L	98
97)	3-Chlorotoluene	11.398	91	206891	20.928	ug/L	100
98)	4-Chlorotoluene	11.440	91	240013	20.849	ug/L	99
99)	1,3,5-Trimethylbenzene	11.434	105	241505	20.392	ug/L	100
100)	tert-Butylbenzene	11.708	119	207996	21.035	ug/L	98
101)	1,2,4-Trimethylbenzene	11.751	105	243259	20.705	ug/L	97
102)	3,4-Dichlorobenzotrifl...	11.812	214	80833	21.650	ug/L	97
103)	sec-Butylbenzene	11.891	105	300314	20.990	ug/L	99

1st FJ 03/22/24
2nd JR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8979.D
Acq On : 22 Mar 2024 02:29 pm
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 14:54:32 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

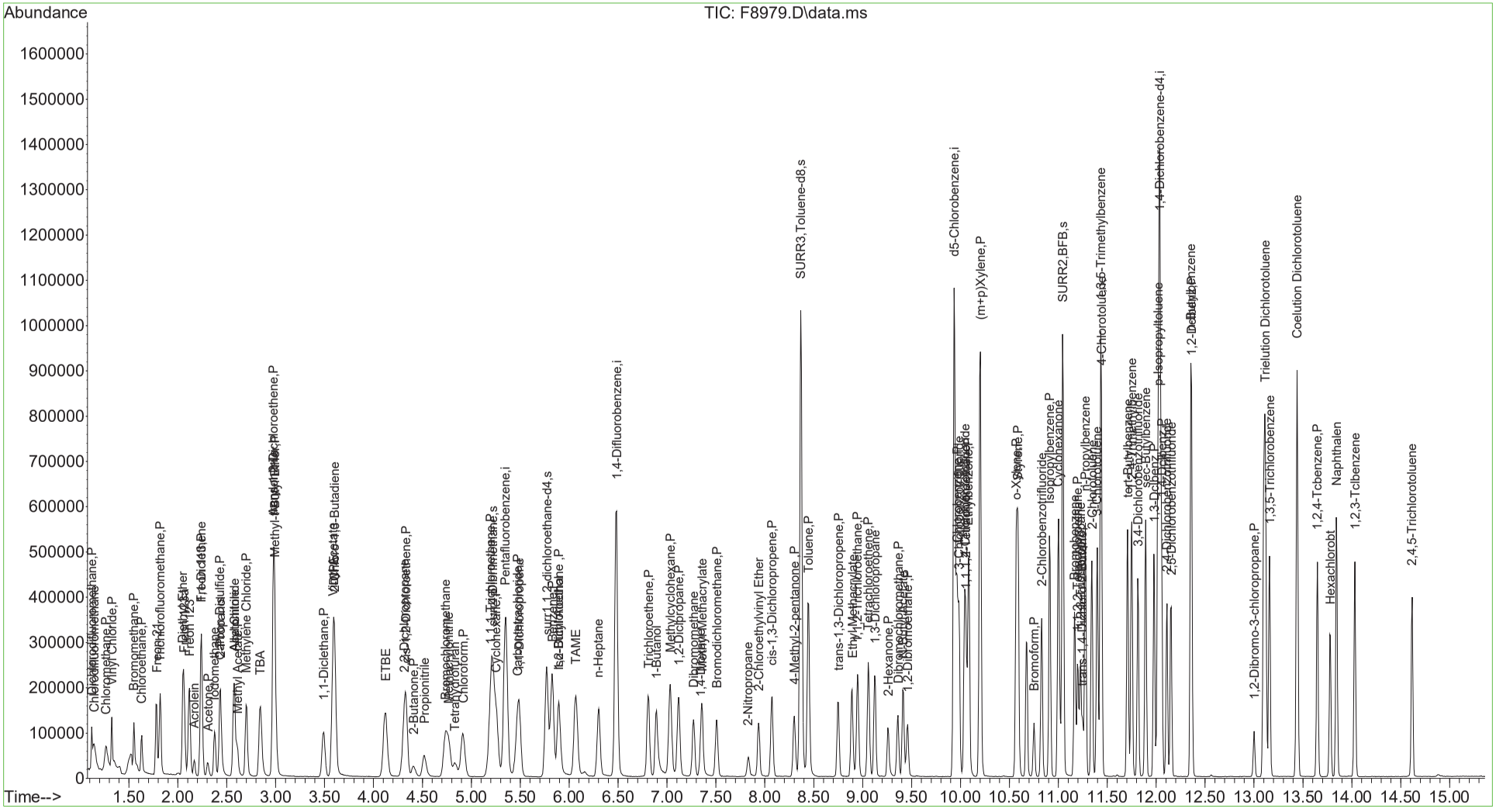
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.019	119	261669	21.141	ug/L	97
105) 1,3-Dclbenz	11.977	146	149921	21.203	ug/L	99
106) 1,4-Dclbenz	12.056	146	156708	21.212	ug/L	96
107) 2,4-Dichlorobenzotrifl...	12.111	214	73280	21.008	ug/L	99
108) 2,5-Dichlorobenzotrifl...	12.153	214	83502	21.645	ug/L	99
109) n-Butylbenzene	12.355	91	235918	21.250	ug/L	99
110) 1,2-Dclbenz	12.361	146	150774	21.188	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.001	157	19566	17.944	ug/L	98
112) Trielution Dichlorotol...	13.111	125	367589	61.906	ug/L	98
113) 1,3,5-Trichlorobenzene	13.159	180	115692	21.260	ug/L	99
114) Coelution Dichlorotoluene	13.440	125	276895	42.672	ug/L	99
115) 1,2,4-Tcbenzene	13.647	180	110121	21.143	ug/L	97
116) Hexachlorobt	13.781	225	47753	21.066	ug/L	96
117) Naphthalen	13.842	128	328721	20.825	ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	109930	21.489	ug/L	99
119) 2,4,5-Trichlorotoluene	14.616	159	77702	22.490	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8979.D
Acq On : 22 Mar 2024 02:29 pm
Operator : F.NAEGLER
Sample : LCS-UNP
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 14:54:32 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

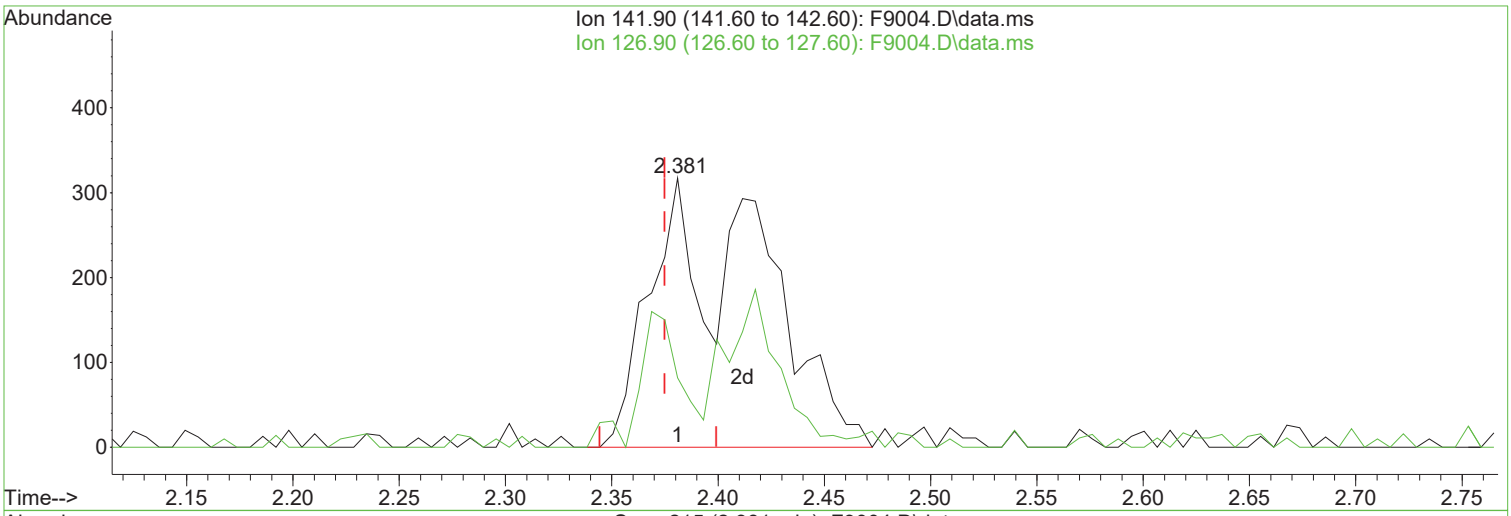


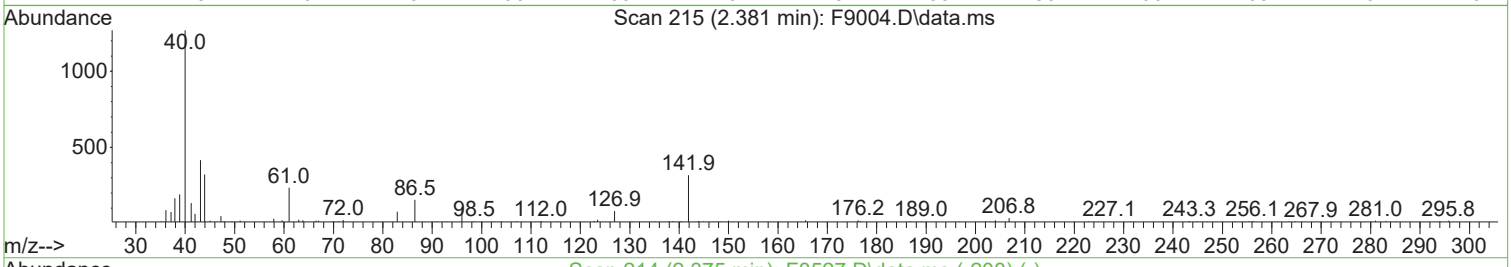
1st FJ 03/22/24
2nd [illegible] 03/25/24

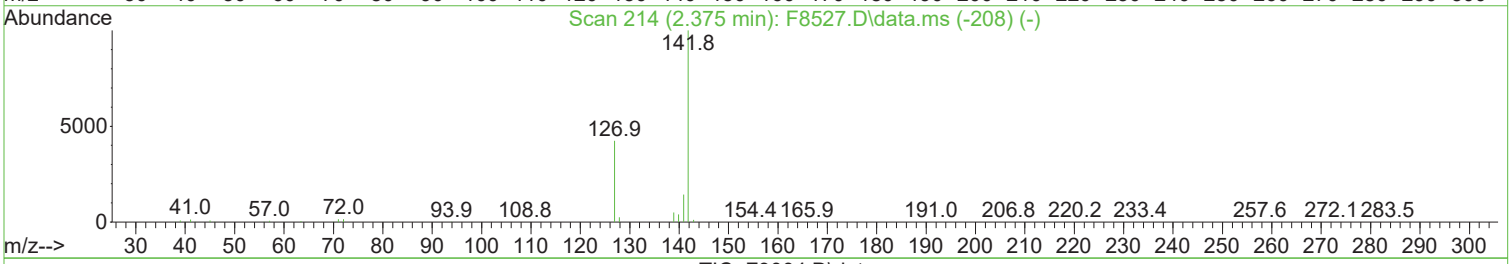
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 25 08:29:56 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9004.D\data.ms

(18) Iodomethane

2.381min (+ 0.006) 0.29 ug/L m

response 1140

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	42.50	25.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

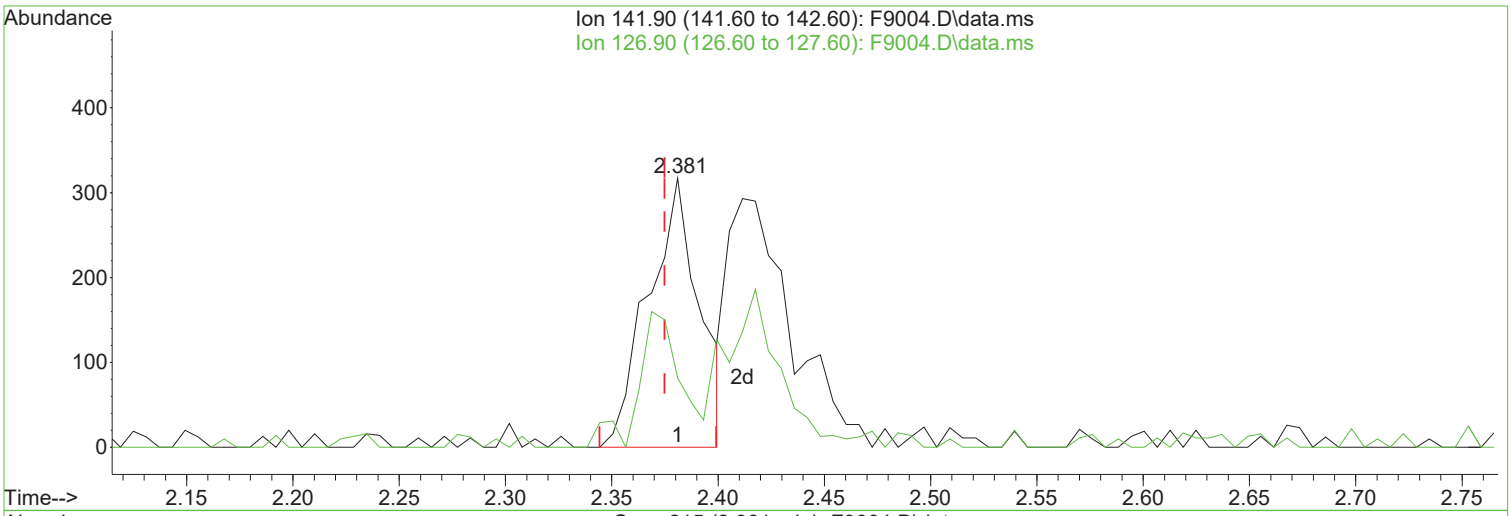
Poor integration.

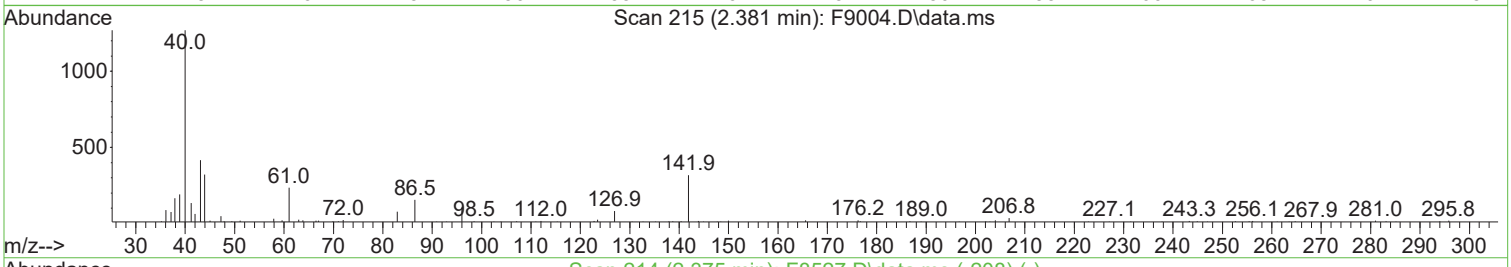
03/25/24

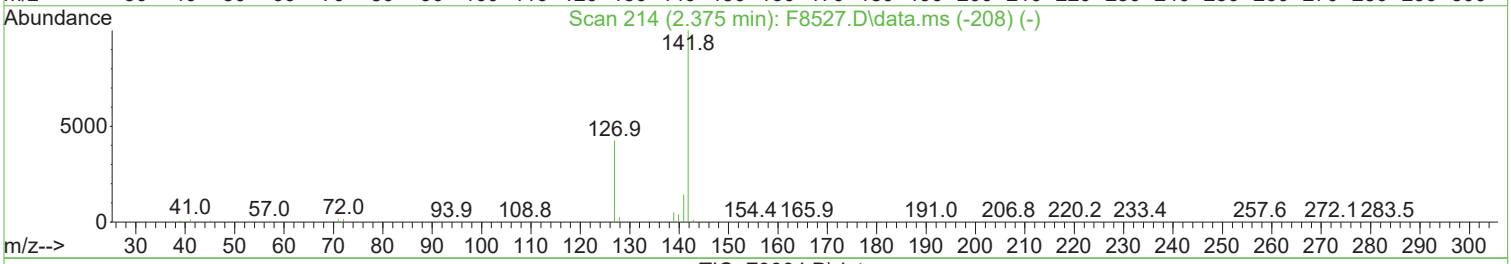
Quantitation Report (Qedit)

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Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 25 08:29:56 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9004.D\data.ms

(18) Iodomethane

2.381min (+ 0.006) 0.14 ug/L

response 527

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	42.50	25.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

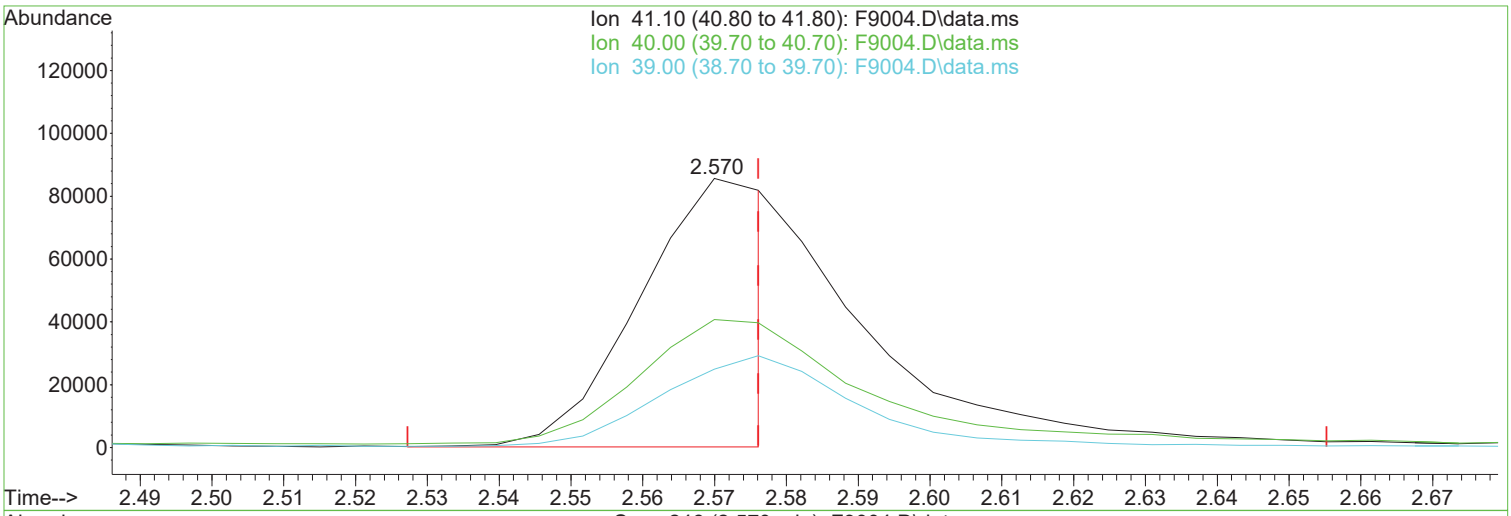
Before

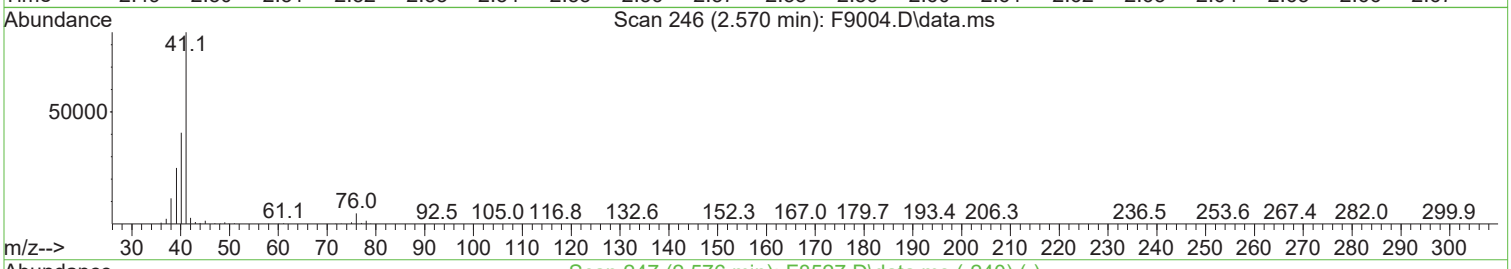
03/25/24

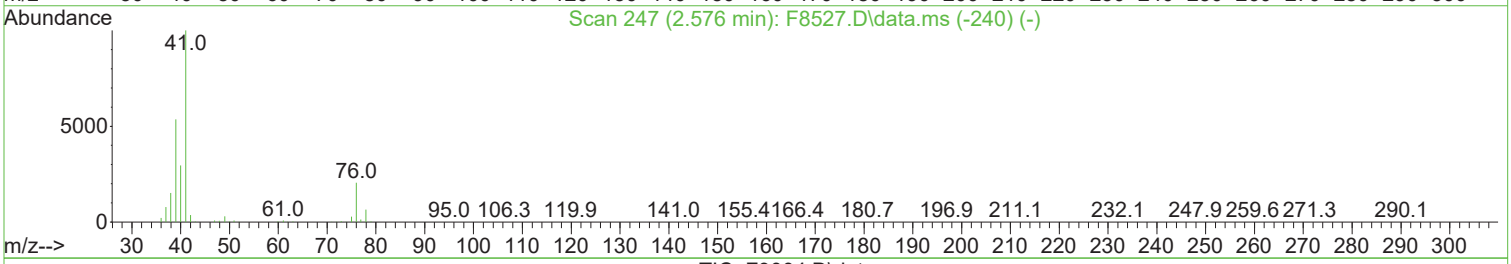
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 25 08:29:56 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9004.D\data.ms

(20) Acetonitrile

2.570min (-0.006) 127.02 ug/L m

response 107158

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	47.60
39.00	53.70	29.20#
0.00	0.00	0.00

Manual Integration:

After

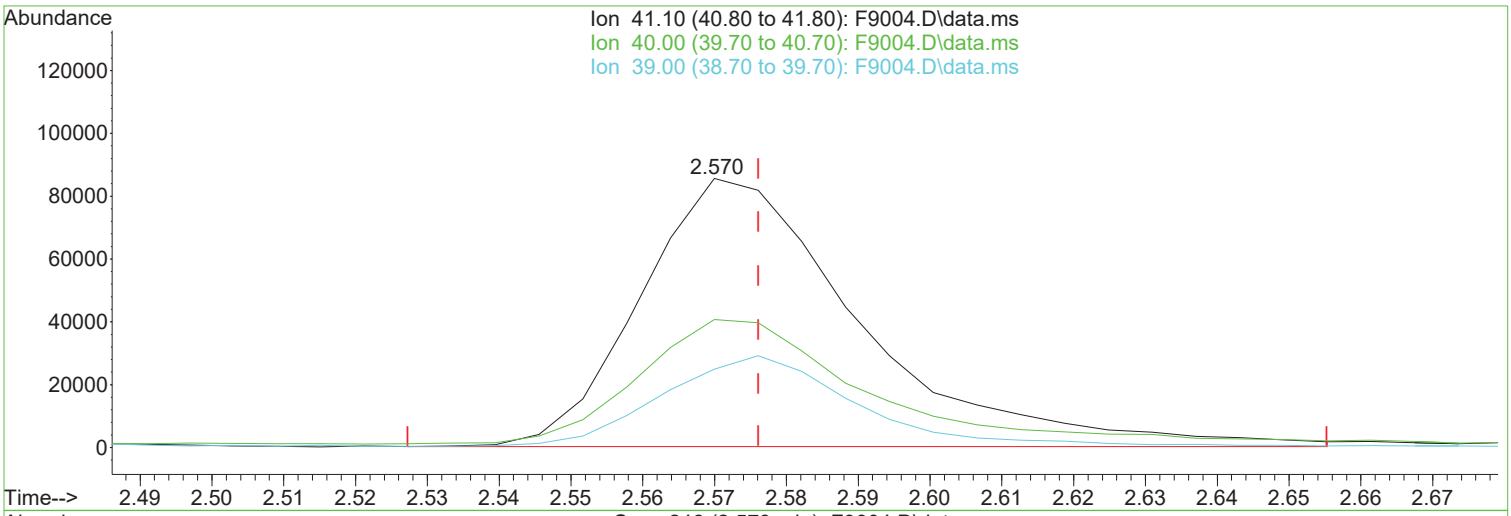
Poor integration.

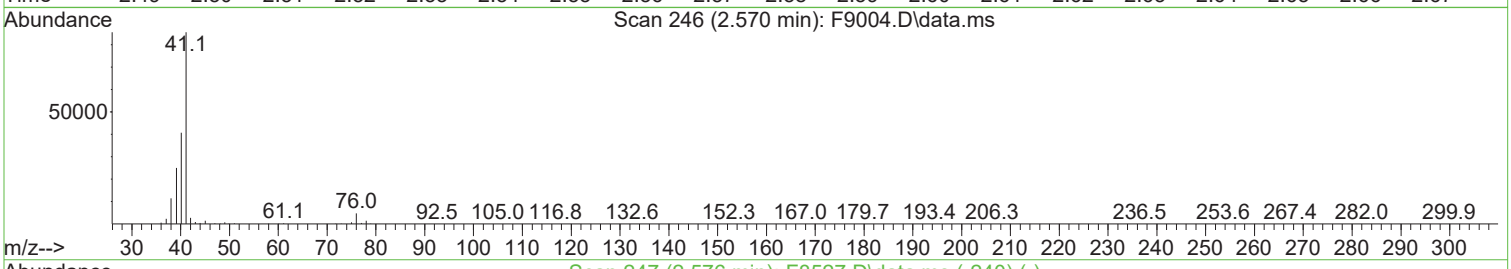
03/25/24

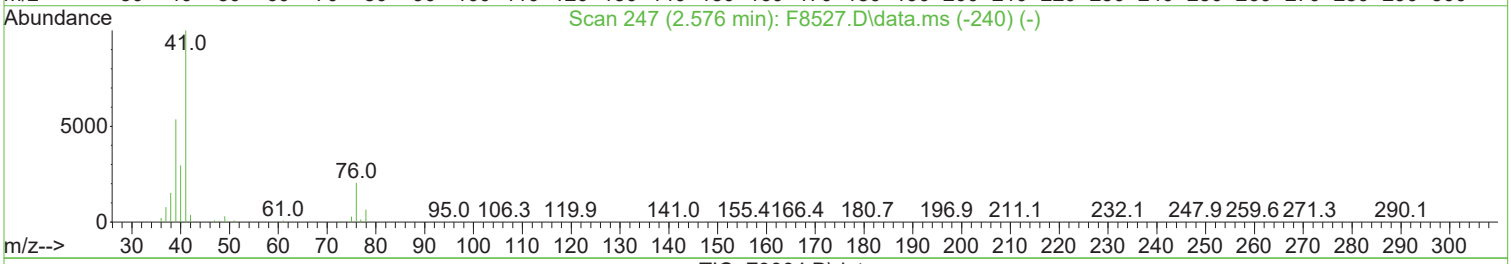
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 25 08:29:56 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9004.D\data.ms

(20) Acetonitrile **Manual Integration:**

2.570min (-0.006) 216.55 ug/L **Before**

response 182682

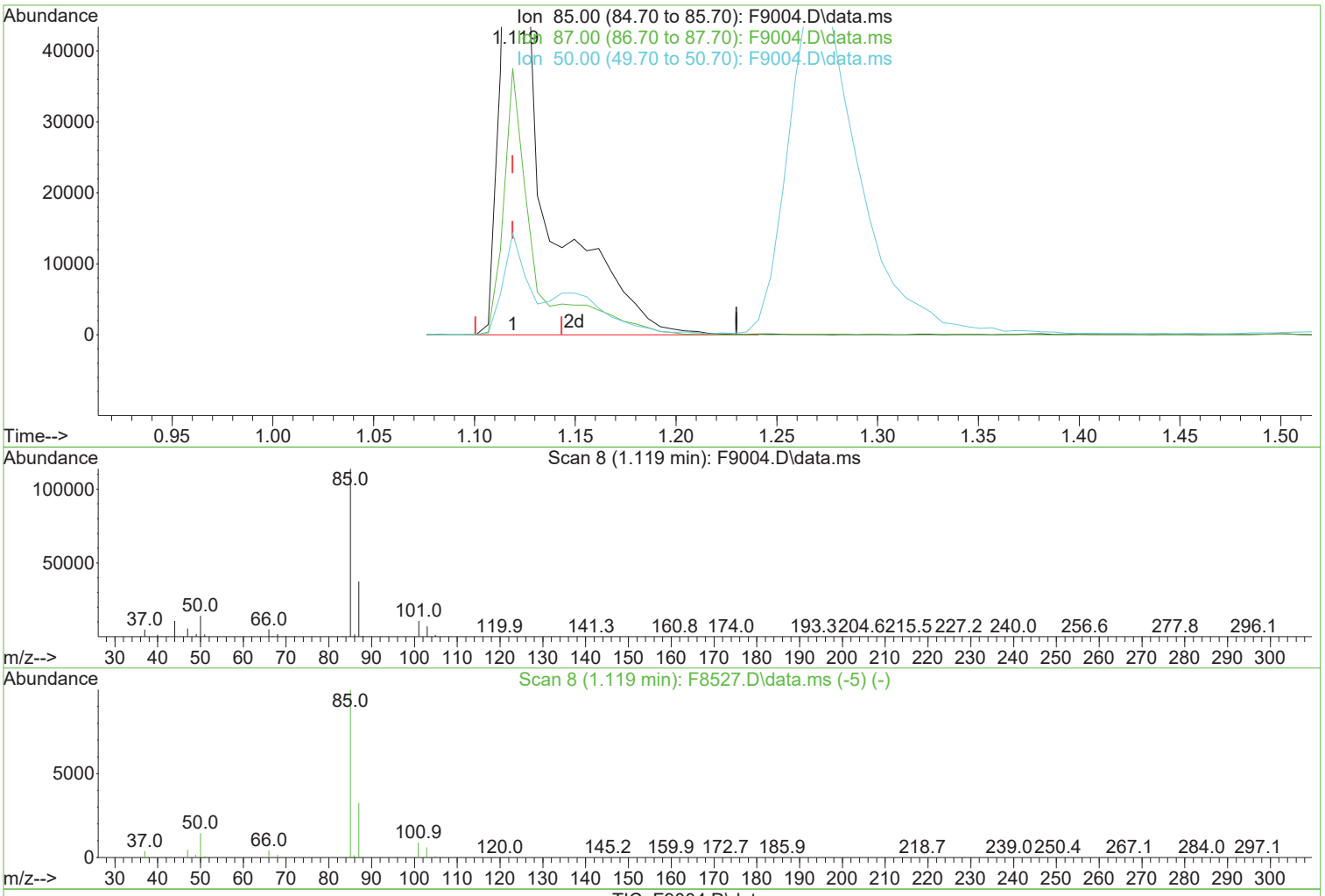
Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	47.60
39.00	53.70	29.20#
0.00	0.00	0.00

03/25/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

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TIC: F9004.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (-0.000) 31.78 ug/L m

response 118313

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	32.95
50.00	14.40	12.55
0.00	0.00	0.00

Manual Integration:

After

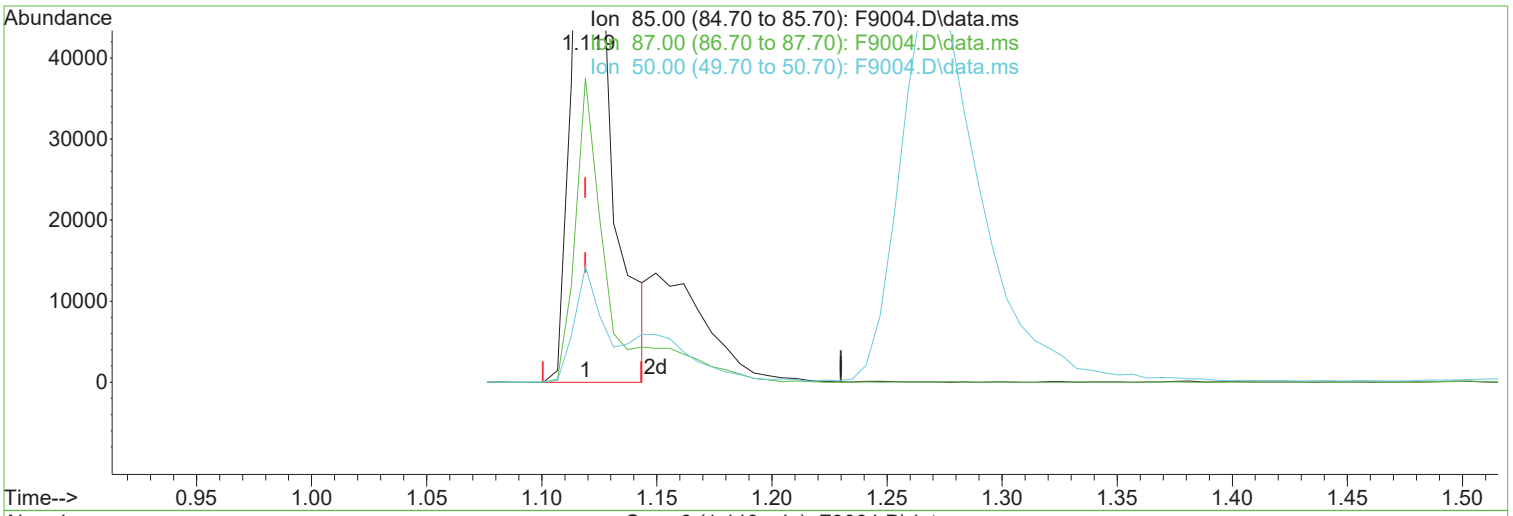
Poor integration.

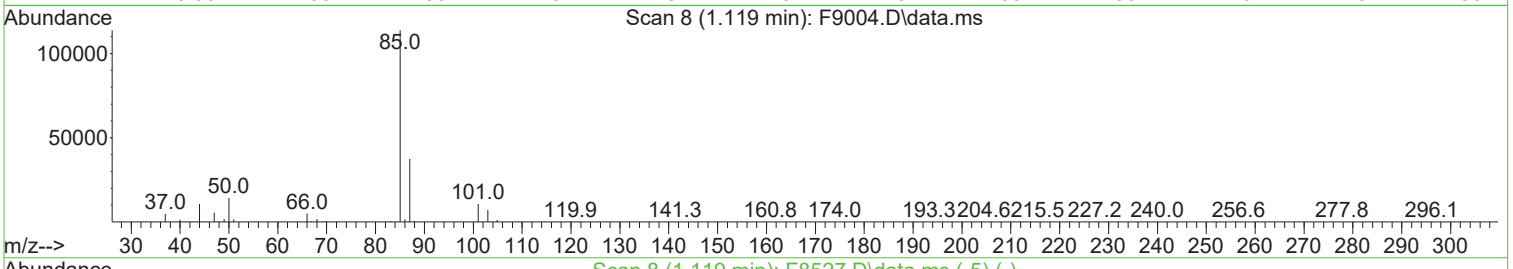
03/25/24

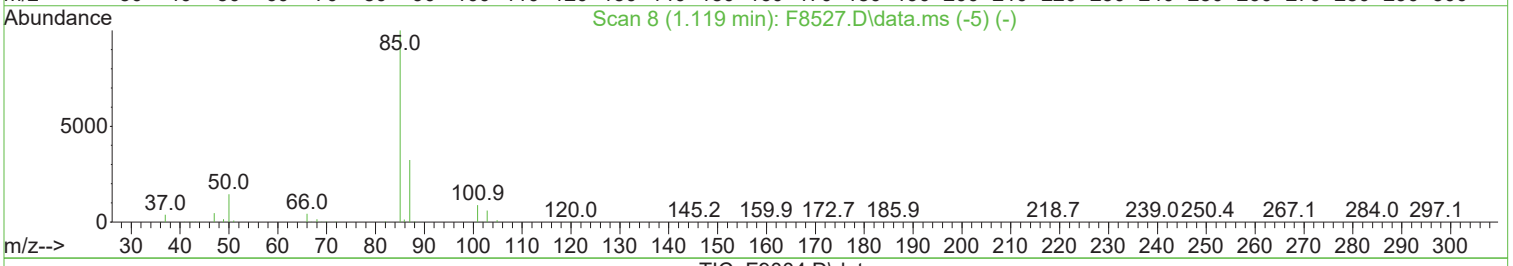
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 25 08:29:56 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9004.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (-0.000) 25.62 ug/L

response 95360

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	32.95
50.00	14.40	12.55
0.00	0.00	0.00

Manual Integration:

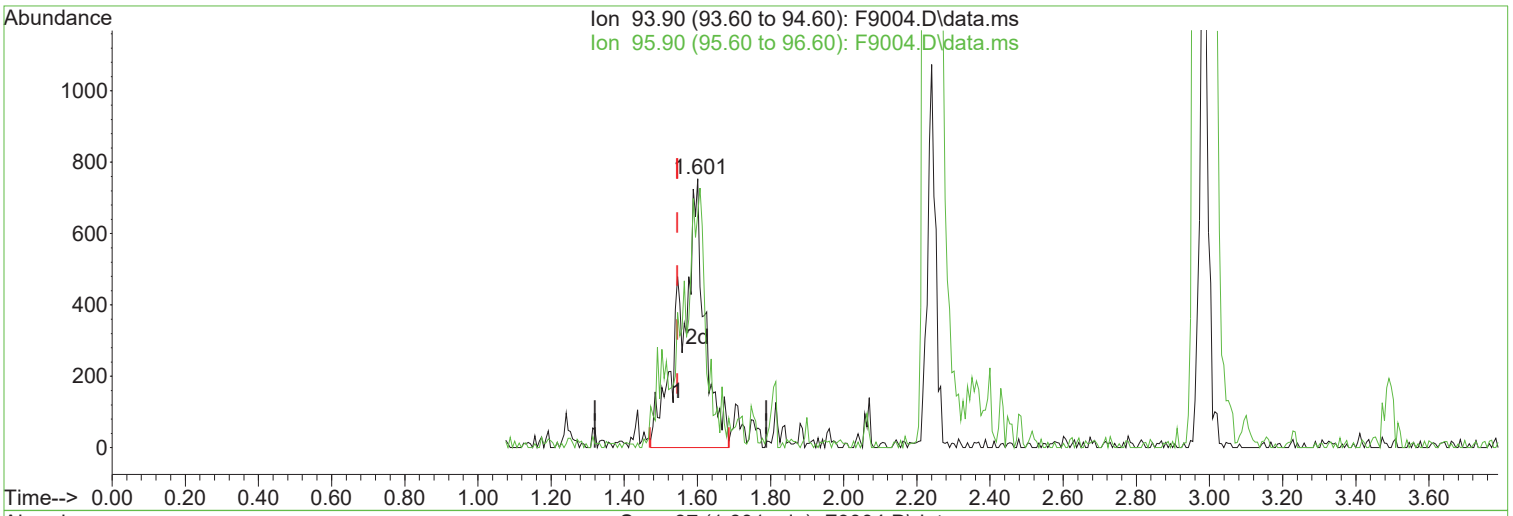
Before

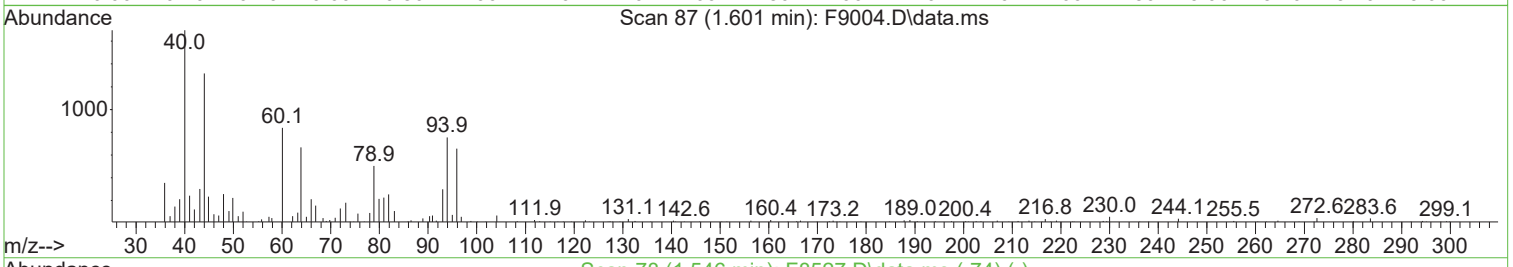
03/25/24

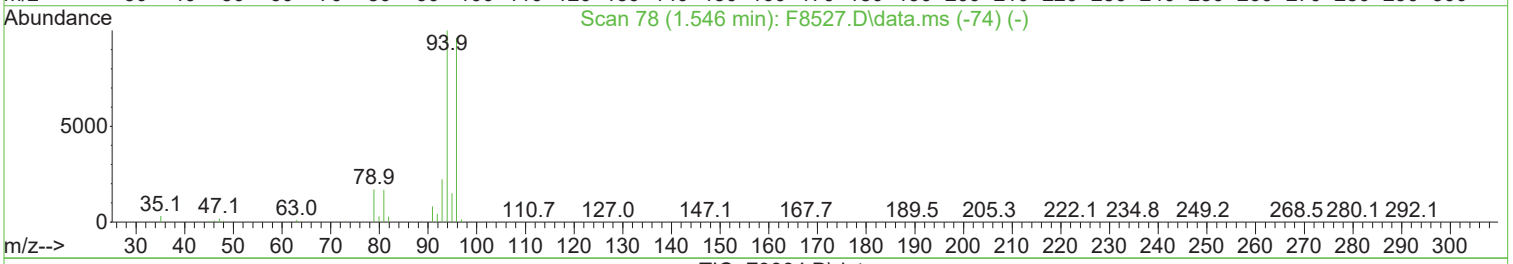
Quantitation Report (Qedit)

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Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
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QLast Update : Wed Mar 06 14:33:47 2024
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TIC: F9004.D\data.ms

(6) Bromomethane (P)

1.601min (+ 0.055) 1.13 ug/L m

response 3423

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	86.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

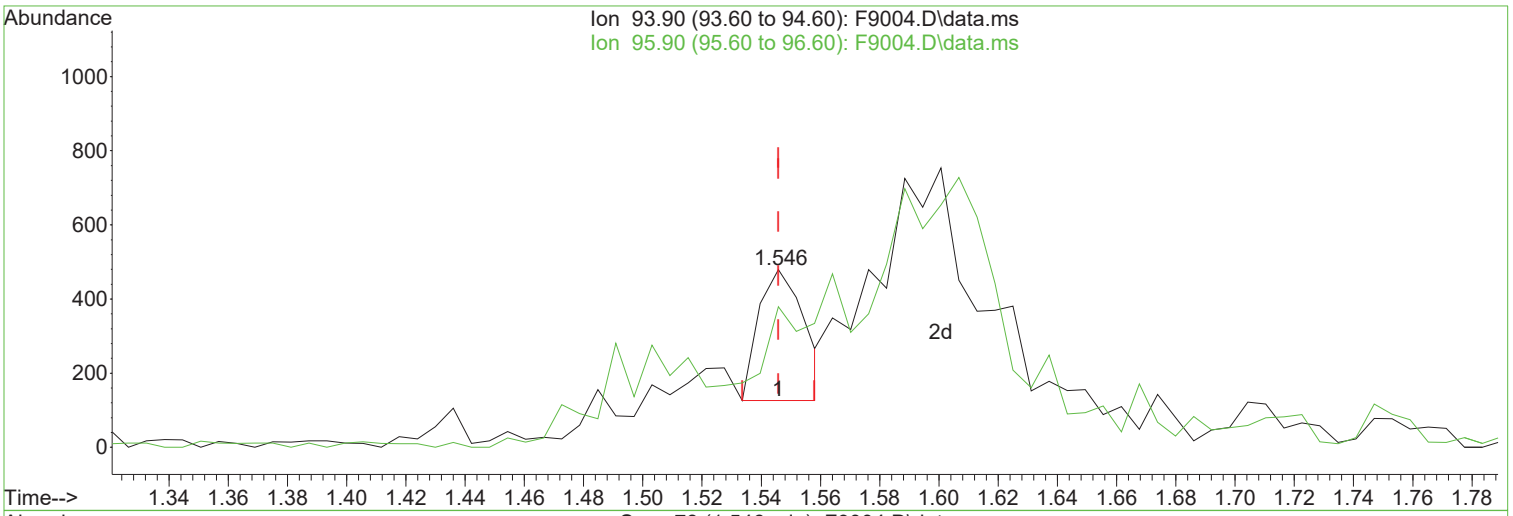
Poor integration.

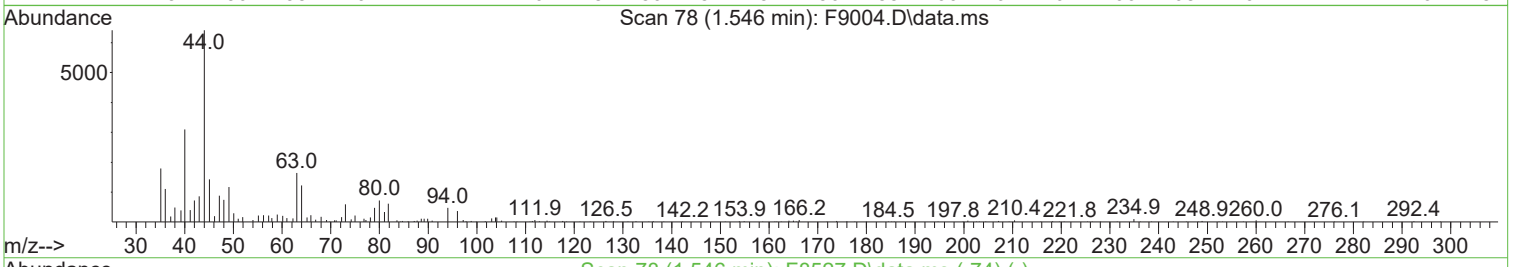
03/25/24

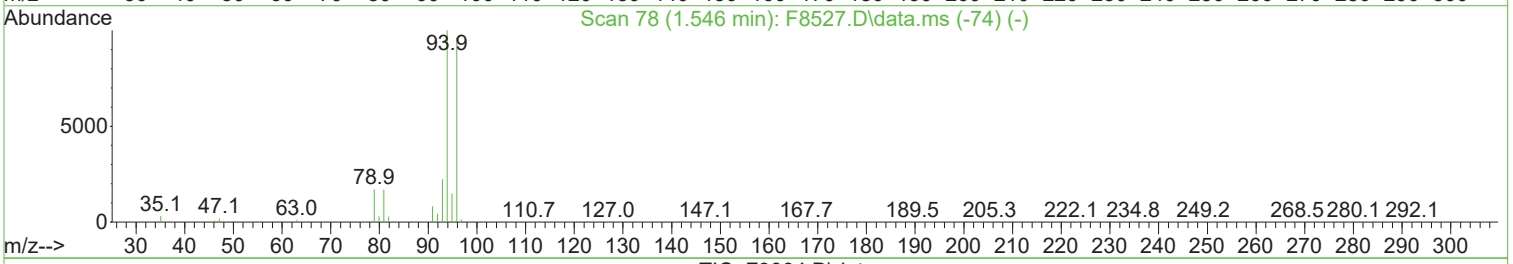
Quantitation Report (Qedit)

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Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9004.D\data.ms

(6) Bromomethane (P)

1.546min (-0.000) 0.13 ug/L

response 378

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	79.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/25/24

1st FNJ 03/25/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
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QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.356	168	349182	50.00	ug/L		0.00
43) 1,4-Difluorobenzene	6.484	114	517757	50.00	ug/L		0.00
71) d5-Chlorobenzene	9.934	117	480549	50.00	ug/L		0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	267334	50.00	ug/L		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.216	113	156769	48.11	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.22%				
48) surr1,1,2-dichloroetha...	5.771	65	196959	48.36	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.72%				
65) SURR3,Toluene-d8	8.368	98	620614	51.03	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.06%				
70) SURR2,BFB	11.044	95	228489	50.34	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.68%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.143	51	157834	48.643	ug/L		99
3) Dichlorodifluoromethane	1.119	85	118313m	31.784	ug/L		
4) Chloromethane	1.271	50	114600	26.743	ug/L		98
5) Vinyl Chloride	1.326	62	165262	39.258	ug/L		100
6) Bromomethane	1.601	94	3423m	1.134	ug/L		
7) Chloroethane	1.625	64	121686	36.537	ug/L		96
8) Freon 21	1.777	67	267963	43.091	ug/L		98
9) Trichlorofluoromethane	1.820	101	231432	46.739	ug/L		99
10) Diethyl Ether	2.052	59	123254	42.227	ug/L		98
11) Freon 123a	2.064	67	170264	49.123	ug/L		97
12) Freon 123	2.119	83	224827	57.766	ug/L		99
13) Acrolein	2.168	56	4819	5.075	ug/L		93
14) 1,1-Diclethene	2.241	96	118730	44.783	ug/L		95
15) Freon 113	2.241	101	118523	44.253	ug/L		100
16) Acetone	2.308	43	70037	36.583	ug/L		100
17) 2-Propanol	2.442	45	248516	775.121	ug/L		92
18) Iodomethane	2.381	142	1140m	0.295	ug/L		
19) Carbon Disulfide	2.430	76	248769	34.405	ug/L		98
20) Acetonitrile	2.570	41	107158m	127.023	ug/L		
21) Allyl Chloride	2.576	76	10750	7.689	ug/L	#	1
22) Methyl Acetate	2.607	43	149549	29.376	ug/L		99
23) Methylene Chloride	2.704	84	140888	42.895	ug/L		96
24) TBA	2.850	59	398140	761.197	ug/L		85
25) Acrylonitrile	2.978	53	384471	209.405	ug/L		100
26) Methyl-t-Butyl Ether	2.991	73	411956	41.958	ug/L		99
27) trans-1,2-Dichloroethene	2.985	96	131660	44.806	ug/L		93
28) 1,1-Diclethane	3.491	63	244993	45.303	ug/L		99
29) Vinyl Acetate	3.588	86	18549	46.251	ug/L	#	94
30) DIPE	3.594	45	452511	50.424	ug/L		94
31) 2-Chloro-1,3-Butadiene	3.600	53	109650	24.477	ug/L		93
32) ETBE	4.125	59	361430	44.105	ug/L		99
33) 2,2-Dichloropropane	4.314	77	119092	33.998	ug/L		97
34) cis-1,2-Dichloroethene	4.332	96	158017	47.389	ug/L		97
35) 2-Butanone	4.411	43	85898	33.650	ug/L		98
36) Propionitrile	4.521	54	169520	217.303	ug/L		99
37) Bromochloromethane	4.734	130	100206	46.449	ug/L		97
38) Methacrylonitrile	4.777	67	82524	43.957	ug/L		95
39) Tetrahydrofuran	4.832	42	71426	40.513	ug/L		94
40) Chloroform	4.917	83	250258	47.120	ug/L		99

1st FNJ 03/25/24
2nd WR 03/25/24

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ALS Vial : 30 Sample Multiplier: 1

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Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	1,1,1-Trichloroethane	5.197	97	190431	46.865	ug/L		99
42)	TAME	6.069	73	366560	46.283	ug/L		100
44)	Cyclohexane	5.258	41	137677	48.767	ug/L		100
46)	Carbontetrachloride	5.472	117	153891	44.597	ug/L		98
47)	1,1-Dichloropropene	5.490	75	180243	46.476	ug/L		98
49)	Benzene	5.832	78	561701	51.515	ug/L		99
50)	1,2-Dichloroethane	5.899	62	207106	45.258	ug/L		98
51)	Iso-Butyl Alcohol	5.899	43	177240	846.849	ug/L		95
52)	n-Heptane	6.301	43	140249	40.910	ug/L		98
53)	1-Butanol	6.892	56	284741	2357.257	ug/L		95
54)	Trichloroethene	6.813	130	160422	52.310	ug/L		98
55)	Methylcyclohexane	7.032	55	167889	47.597	ug/L		99
56)	1,2-Diclpropane	7.118	63	144130	47.667	ug/L		100
57)	Dibromomethane	7.270	93	100128	46.229	ug/L		99
58)	1,4-Dioxane	7.343	88	64474	883.417	ug/L		99
59)	Methyl Methacrylate	7.356	69	130203	51.464	ug/L		99
60)	Bromodichloromethane	7.508	83	176554	46.733	ug/L		99
61)	2-Nitropropane	7.831	41	59568	71.738	ug/L		98
62)	2-Chloroethylvinyl Ether	7.935	63	98970	46.816	ug/L		98
64)	4-Methyl-2-pentanone	8.301	43	202096	41.716	ug/L		95
66)	Toluene	8.447	91	631592	52.364	ug/L		99
67)	trans-1,3-Dichloropropene	8.752	75	10082	3.464	ug/L		91
68)	Ethyl Methacrylate	8.892	69	215260	50.142	ug/L		95
69)	1,1,2-Trichloroethane	8.947	97	141981	47.888	ug/L		98
72)	Tetrachloroethene	9.063	164	124919	50.702	ug/L		98
73)	2-Hexanone	9.258	43	151051	42.532	ug/L		98
74)	1,3-Dichloropropane	9.124	76	247521	46.412	ug/L		98
75)	Dibromochloromethane	9.361	129	134795	43.988	ug/L		97
76)	N-Butyl Acetate	9.416	43	303868	47.985	ug/L		98
77)	1,2-Dibromoethane	9.459	107	143168	48.690	ug/L		99
78)	3-Chlorobenzotrifluoride	9.983	180	214255	47.256	ug/L		97
79)	Chlorobenzene	9.965	112	411986	49.045	ug/L		98
80)	4-Chlorobenzotrifluoride	10.044	180	192790	47.772	ug/L		97
81)	1,1,1,2-Tetrachloroethane	10.056	131	125255	44.845	ug/L		95
82)	Ethylbenzene	10.087	106	219591	51.647	ug/L		99
83)	(m+p)Xylene	10.203	106	544538	101.036	ug/L		98
84)	o-Xylene	10.568	106	263697	48.970	ug/L		98
85)	Styrene	10.587	104	444546	50.060	ug/L		99
86)	Bromoform	10.751	173	96033	47.103	ug/L		99
87)	2-Chlorobenzotrifluoride	10.831	180	221013	47.932	ug/L		99
88)	Isopropylbenzene	10.910	105	654592	48.385	ug/L		99
89)	Cyclohexanone	11.001	55	572277	884.175	ug/L		99
90)	trans-1,4-Dichloro-2-B...	11.276	53	3490	4.003	ug/L	#	1
92)	1,1,2,2-Tetrachloroethane	11.196	83	225356	45.552	ug/L		99
93)	Bromobenzene	11.166	156	184734	50.193	ug/L		97
94)	1,2,3-Trichloropropane	11.227	110	74432	46.151	ug/L	#	88
95)	n-Propylbenzene	11.276	91	775414	48.076	ug/L		99
96)	2-Chlorotoluene	11.343	91	461182	47.891	ug/L		99
97)	3-Chlorotoluene	11.398	91	475917	48.714	ug/L		99
98)	4-Chlorotoluene	11.440	91	546476	48.033	ug/L		100
99)	1,3,5-Trimethylbenzene	11.434	105	561947	48.014	ug/L		99
100)	tert-Butylbenzene	11.708	119	477297	48.843	ug/L		99
101)	1,2,4-Trimethylbenzene	11.751	105	557959	48.054	ug/L		99
102)	3,4-Dichlorobenzotrifl...	11.818	214	169458	45.925	ug/L		95
103)	sec-Butylbenzene	11.891	105	695650	49.198	ug/L		99
104)	p-Isopropyltoluene	12.019	119	597475	48.846	ug/L		97

1st FNJ 03/25/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 25 08:29:56 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

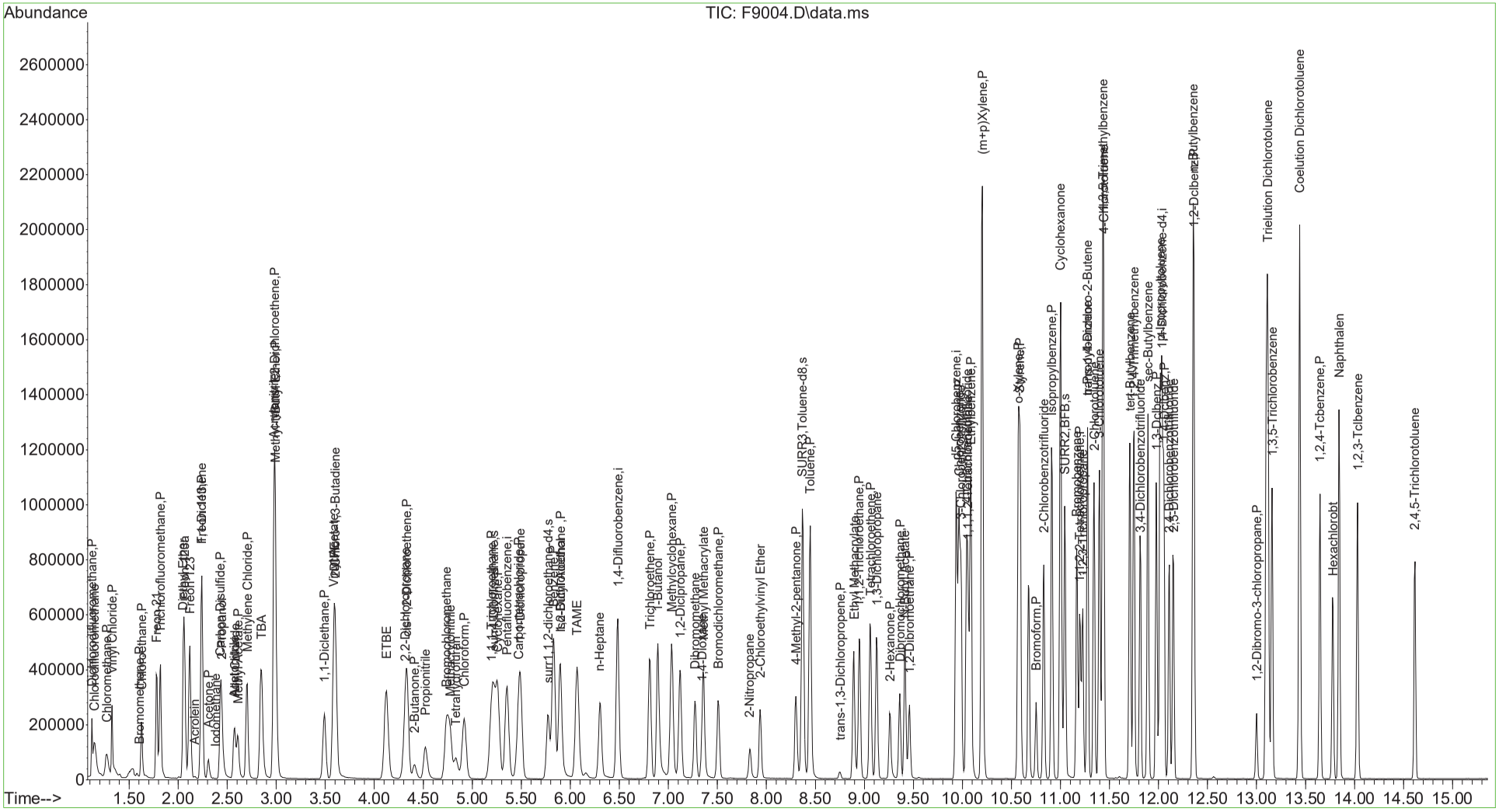
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.977	146	338083	48.381	ug/L	99
106) 1,4-Dclbenz	12.056	146	349158	47.822	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.111	214	155737	45.177	ug/L	98
108) 2,5-Dichlorobenzotrifl...	12.153	214	177046	46.437	ug/L	99
109) n-Butylbenzene	12.355	91	534305	48.697	ug/L	99
110) 1,2-Dclbenz	12.361	146	336565	47.859	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.001	157	45005	40.197	ug/L	97
112) Trielution Dichlorotol...	13.111	125	822733	140.202	ug/L	99
113) 1,3,5-Trichlorobenzene	13.159	180	247853	46.087	ug/L	99
114) Coelution Dichlorotoluene	13.440	125	605563	94.430	ug/L	98
115) 1,2,4-Tcbenzene	13.647	180	236427	45.932	ug/L	98
116) Hexachlorobt	13.781	225	100919	45.048	ug/L	98
117) Naphthalen	13.842	128	769419	49.323	ug/L	100
118) 1,2,3-Tclbenzene	14.031	180	238815	47.238	ug/L	97
119) 2,4,5-Trichlorotoluene	14.616	159	160907	47.125	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9004.D
Acq On : 23 Mar 2024 12:00 am
Operator : F.NAEGLER
Sample : R2402277-003MS
Misc : VCG 7979 T4
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 25 08:29:56 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

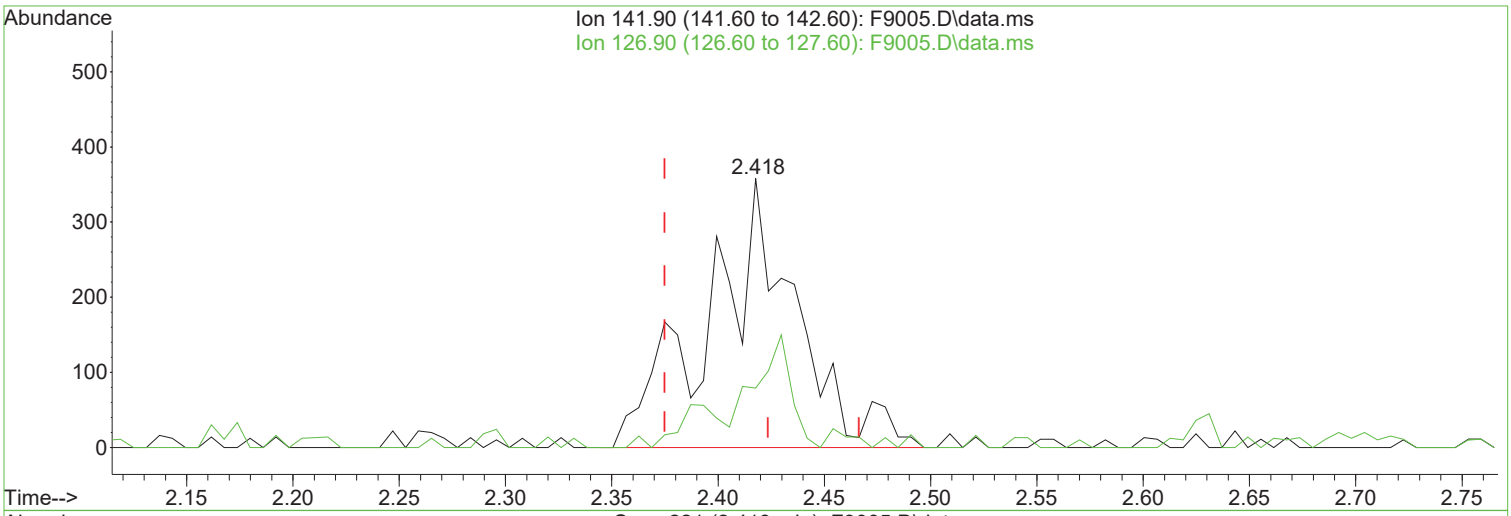


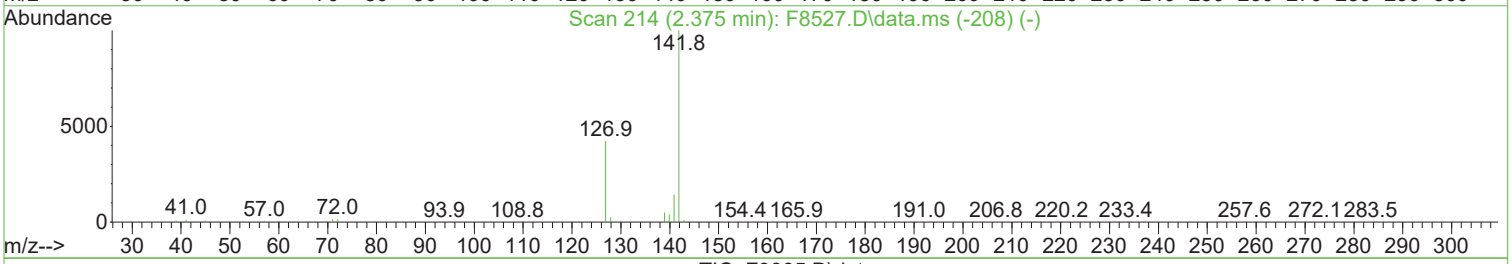
1st FJ 03/25/24
2nd 03/25/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration





TIC: F9005.D\data.ms

(18) Iodomethane

2.418min (+ 0.043) 0.25 ug/L m

response 1029

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	42.50	22.07#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

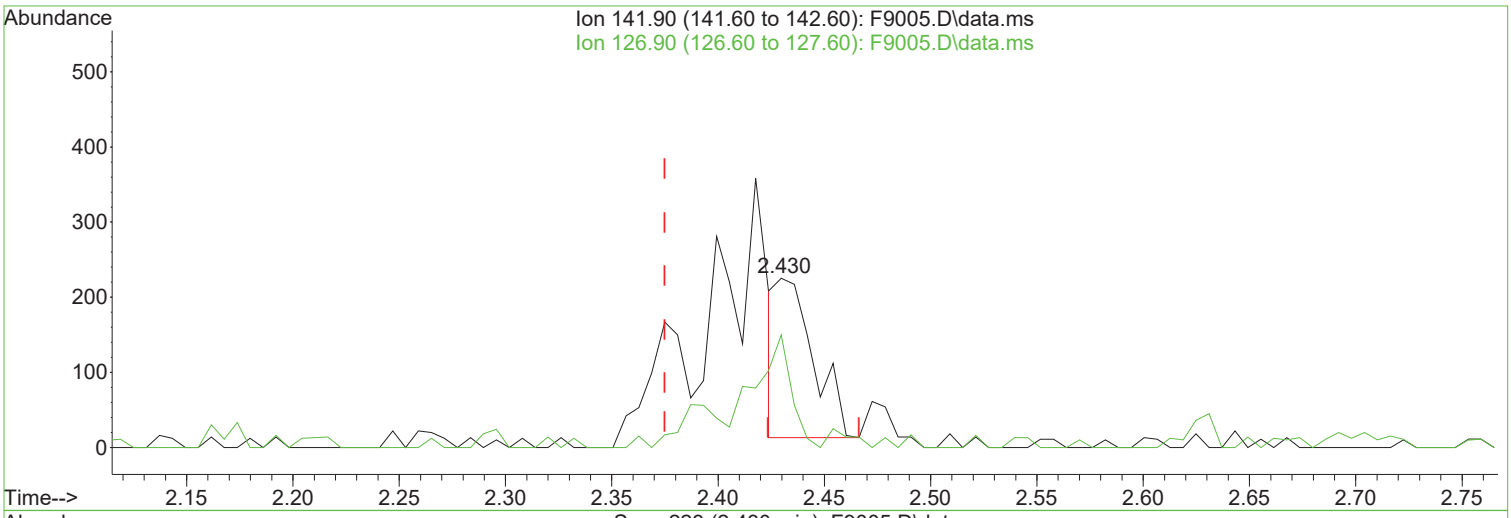
Poor integration.

03/25/24

1st FN 03/25/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



TIC: F9005.D\data.ms

(18) Iodomethane

2.430min (+ 0.055) 0.06 ug/L

response 259

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	42.50	66.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

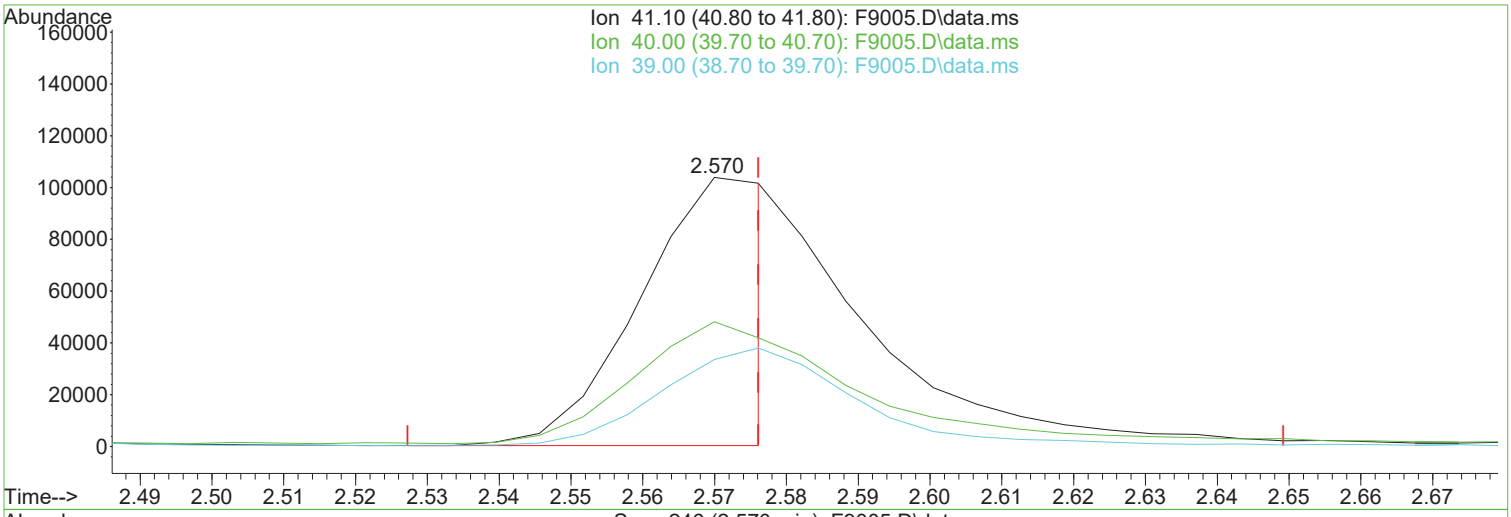
Before

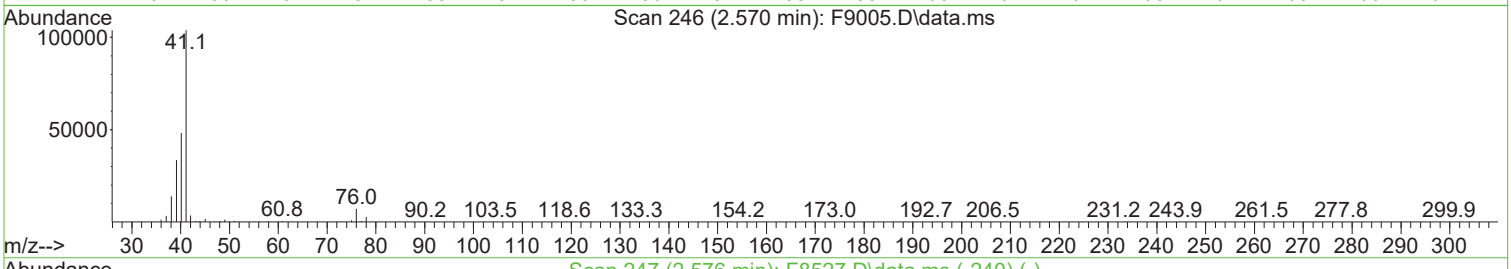
03/25/24

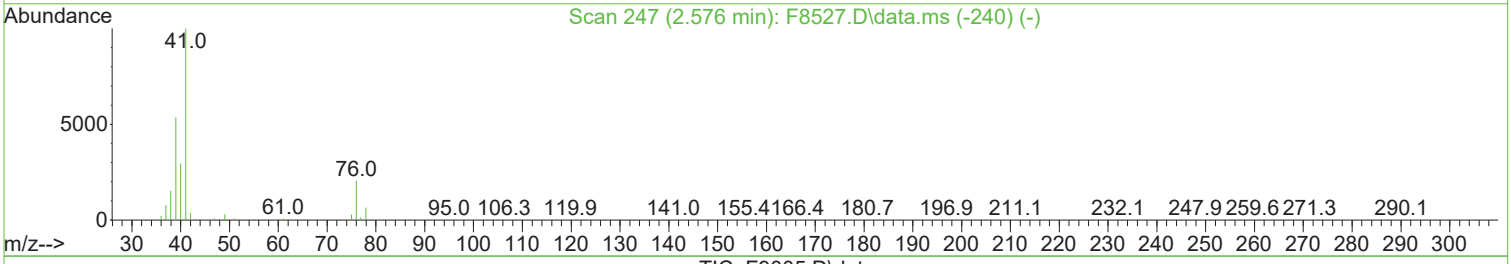
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9005.D\data.ms

(20) Acetonitrile

2.570min (-0.006) 145.65 ug/L m

response 130731

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	46.39
39.00	53.70	32.30#
0.00	0.00	0.00

Manual Integration:

After

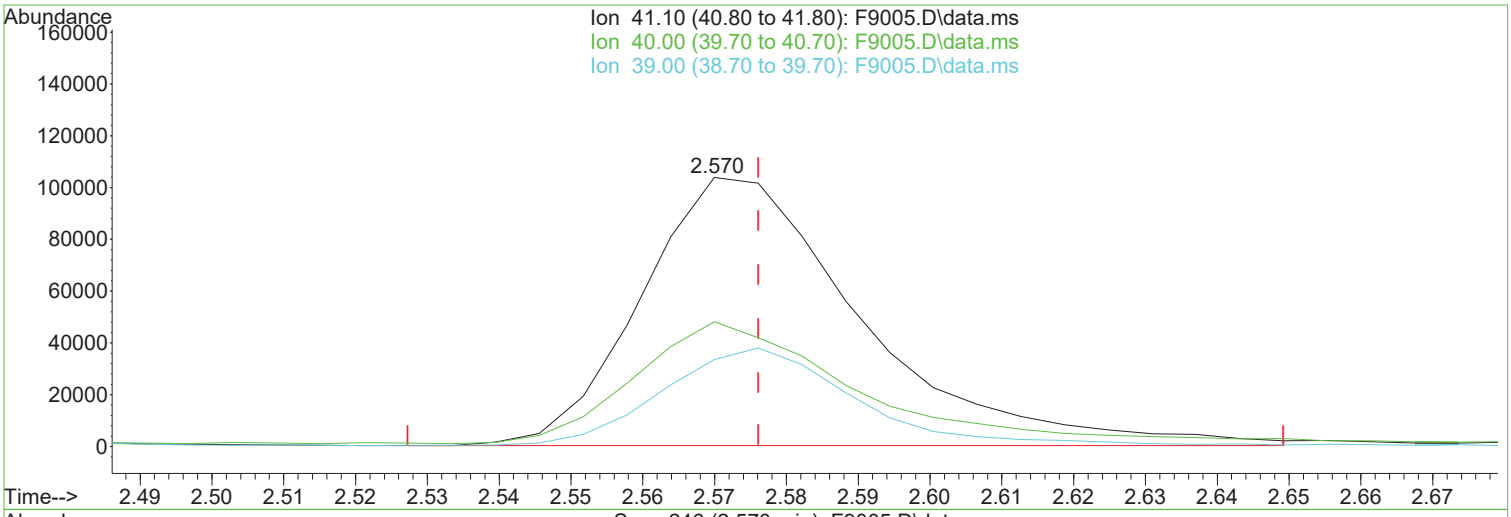
Poor integration.

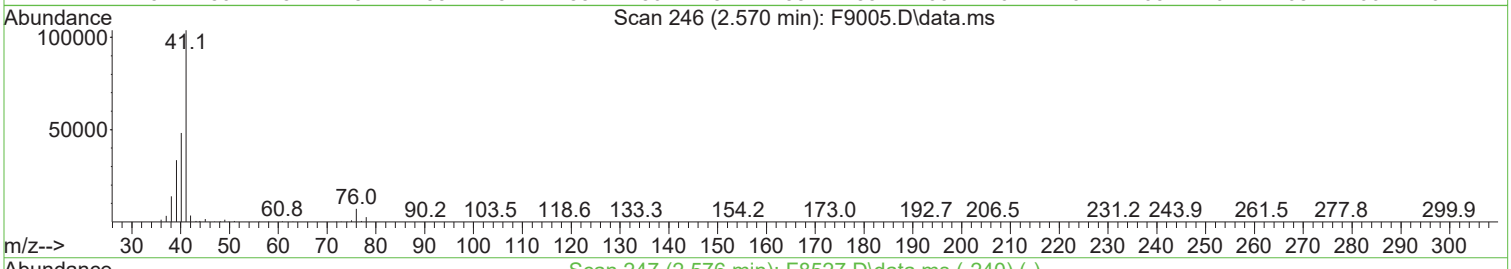
03/25/24

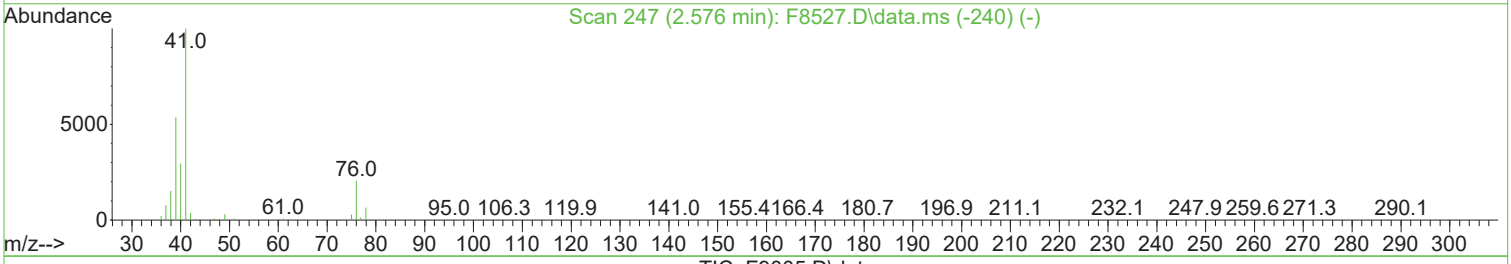
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9005.D\data.ms

(20) Acetonitrile **Manual Integration:**

2.570min (-0.006) 247.50 ug/L **Before**

response 222159

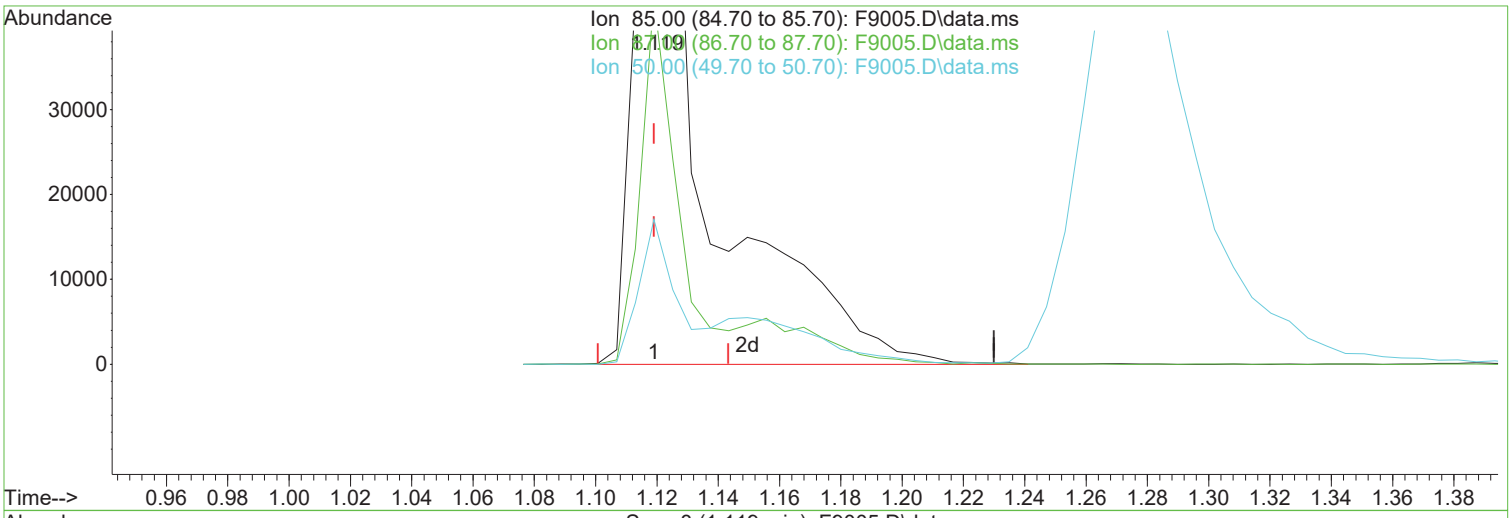
Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	46.39
39.00	53.70	32.30#
0.00	0.00	0.00

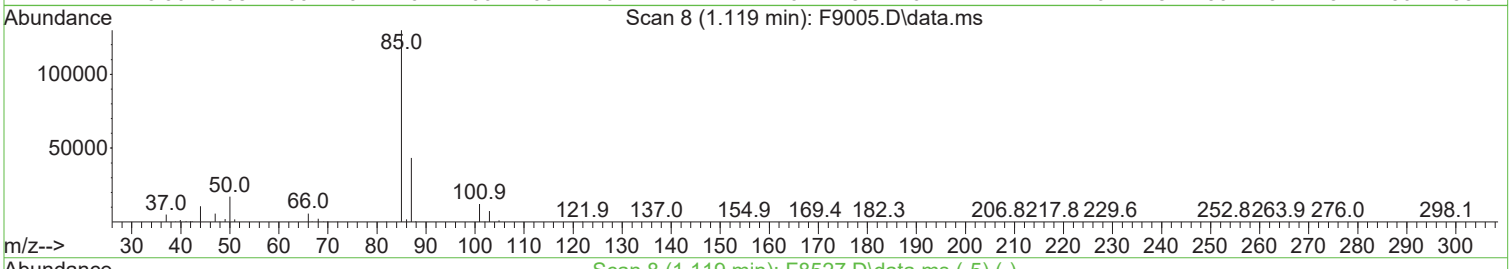
03/25/24

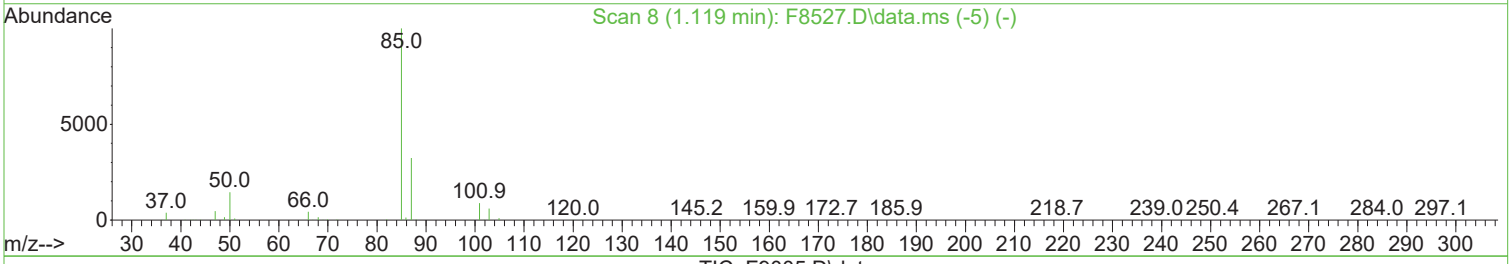
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9005.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (-0.000) 35.14 ug/L m

response 139184

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	33.42
50.00	14.40	13.15
0.00	0.00	0.00

Manual Integration:

After

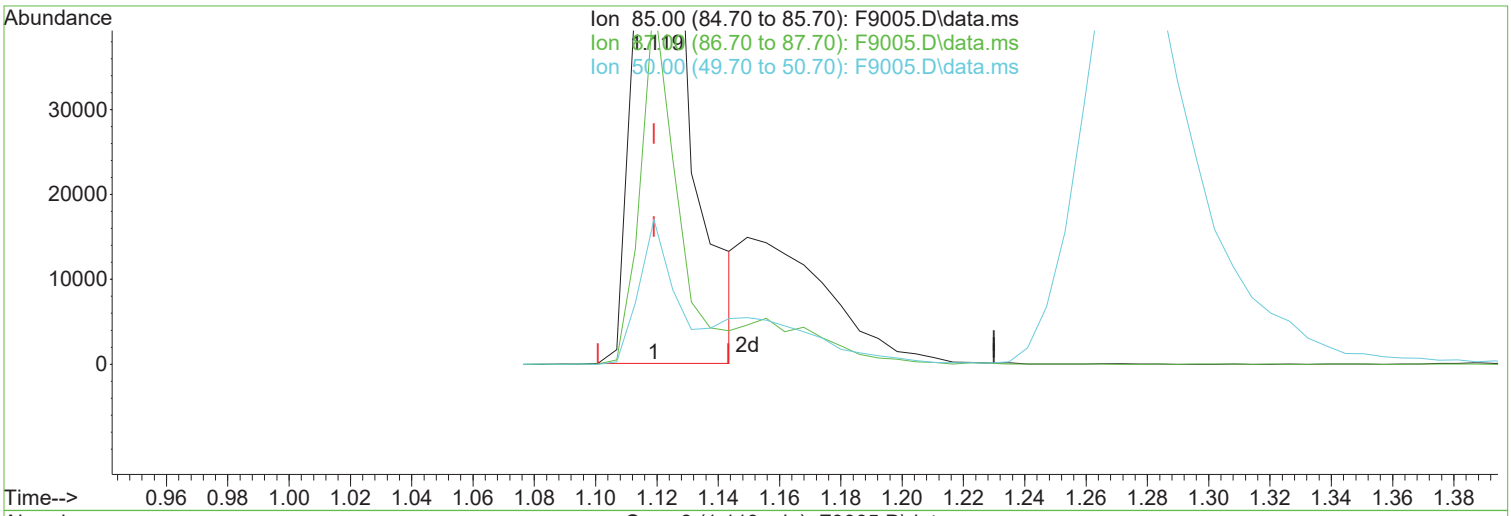
Poor integration.

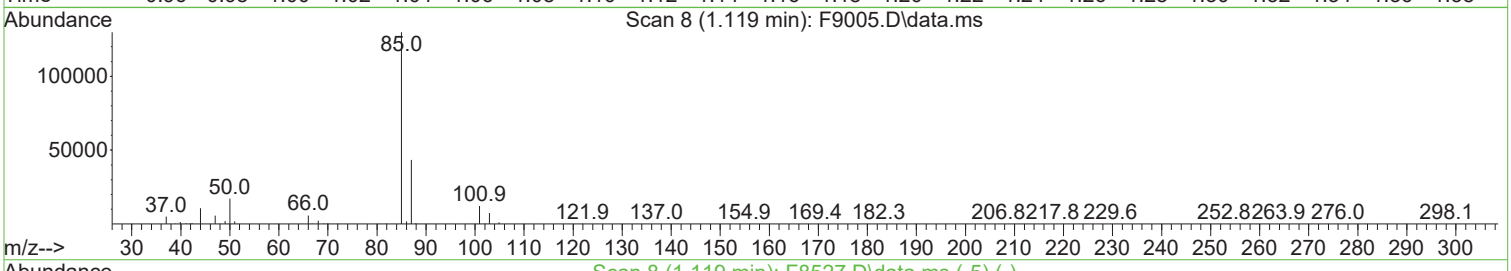
03/25/24

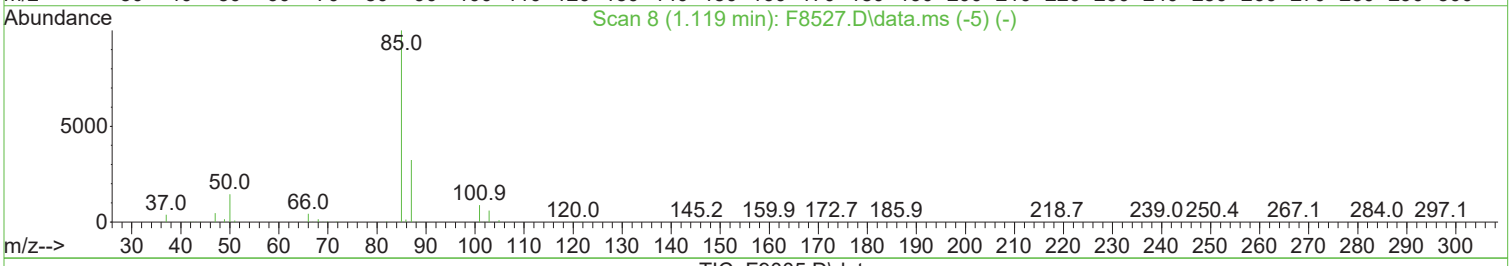
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9005.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (-0.000) 27.52 ug/L

response 109006

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	33.42
50.00	14.40	13.15
0.00	0.00	0.00

Manual Integration:

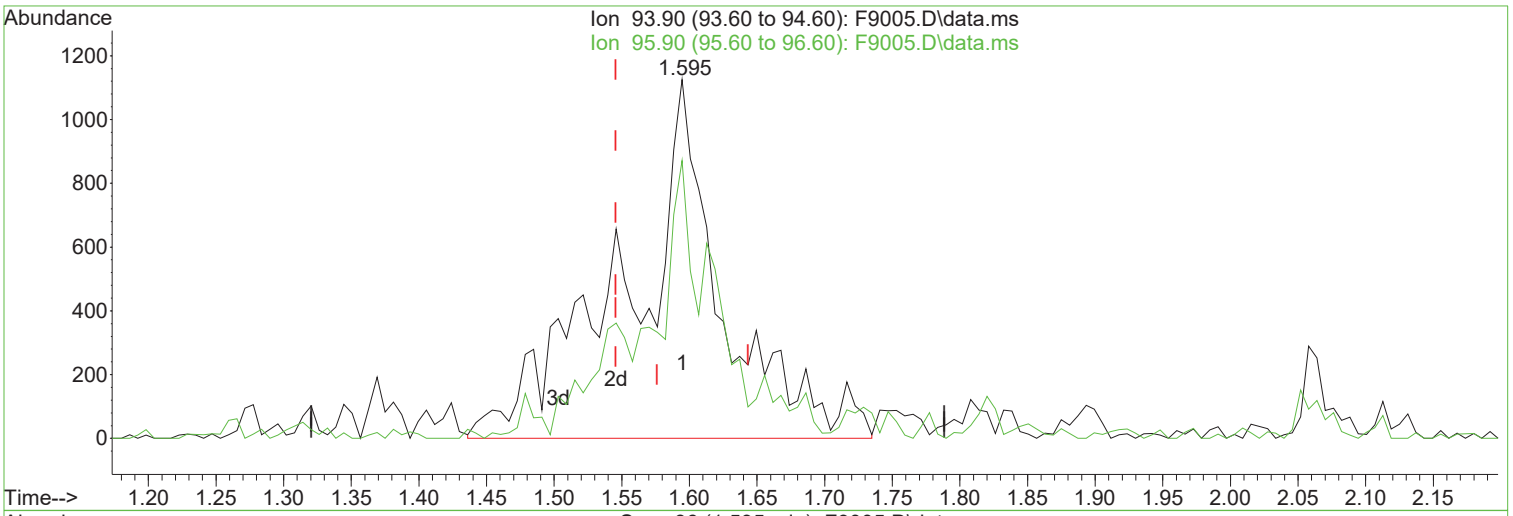
Before

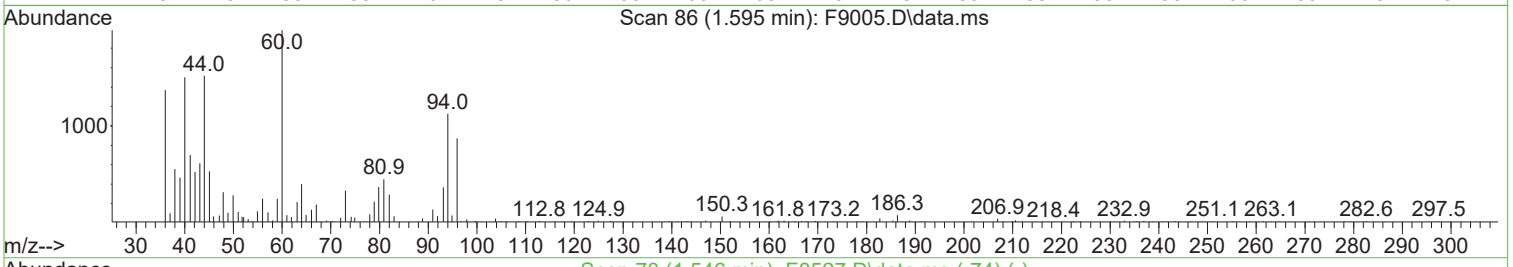
03/25/24

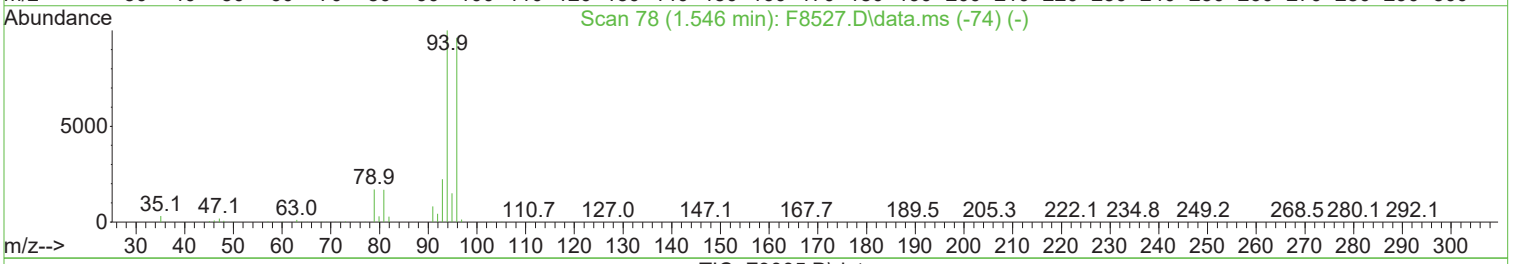
1st FN 03/25/24
2nd MR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9005.D\data.ms

(6) Bromomethane (P)

1.595min (+ 0.049) 1.75 ug/L m

response 5628

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	77.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

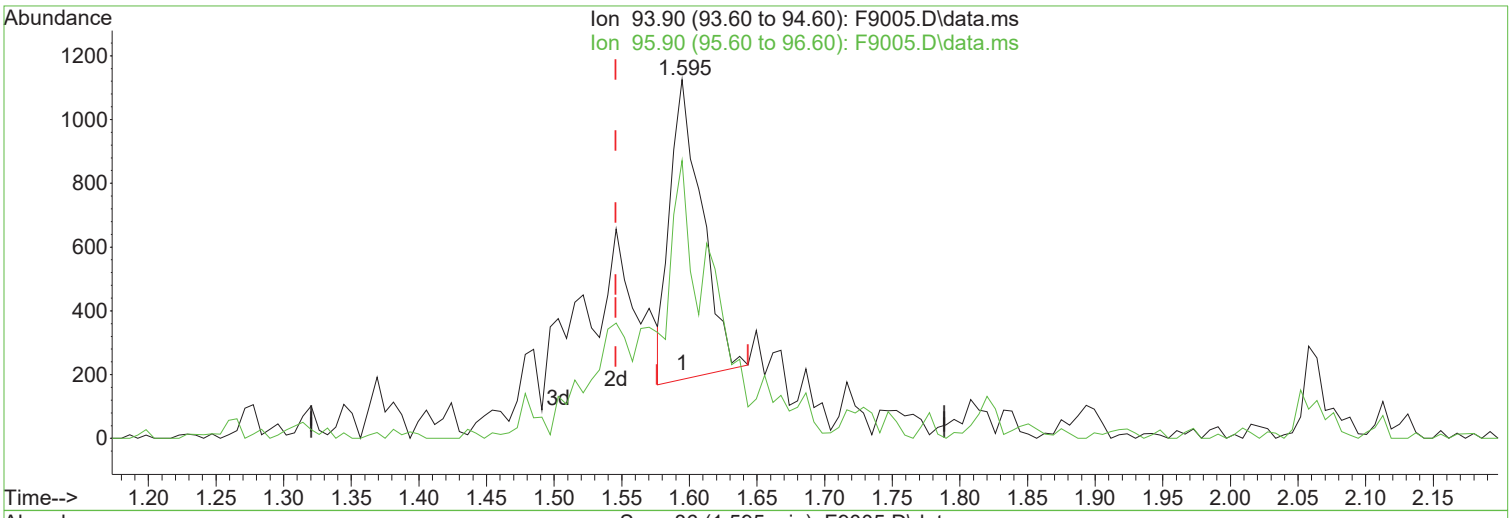
Poor integration.

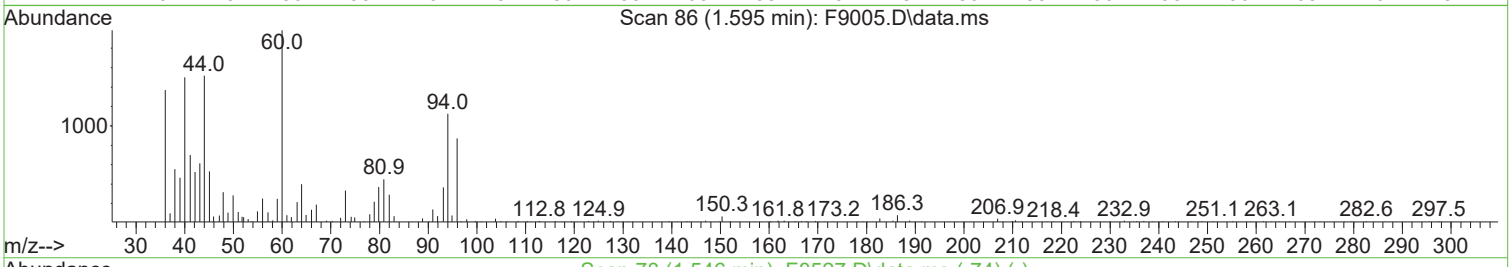
03/25/24

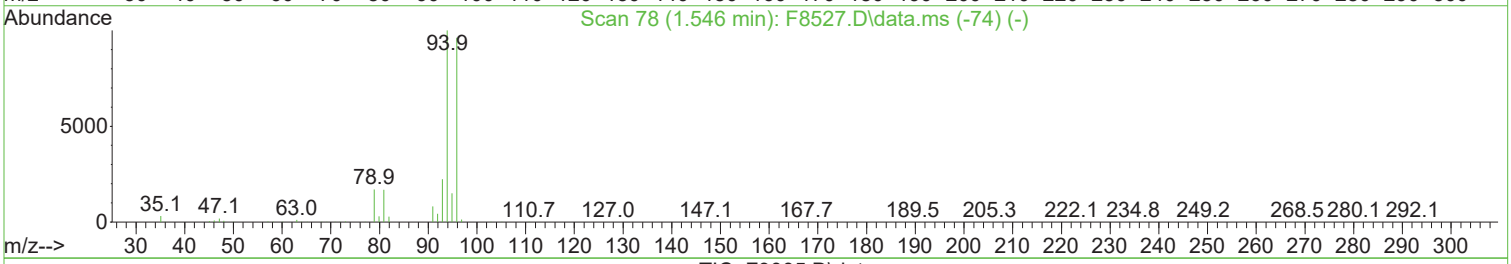
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F9005.D\data.ms

(6) Bromomethane (P)

1.595min (+ 0.049) 0.48 ug/L

response 1534

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	77.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/25/24

1st FN 03/25/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	371527	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	541218	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	500975	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	271118	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	165587	48.61	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.22%			
48) surr1,1,2-dichloroetha...	5.771	65	205400	48.25	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.50%			
65) SURR3,Toluene-d8	8.368	98	643827	50.64	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.28%			
70) SURR2,BFB	11.044	95	238041	50.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.34%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.150	51	166872	48.335	ug/L	98
3) Dichlorodifluoromethane	1.119	85	139184m	35.142	ug/L	
4) Chloromethane	1.271	50	133589	29.300	ug/L	99
5) Vinyl Chloride	1.326	62	186458	41.629	ug/L	99
6) Bromomethane	1.595	94	5628m	1.753	ug/L	
7) Chloroethane	1.625	64	122004	34.429	ug/L	97
8) Freon 21	1.777	67	274294	41.457	ug/L	99
9) Trichlorofluoromethane	1.820	101	255725	48.539	ug/L	98
10) Diethyl Ether	2.052	59	156559	50.411	ug/L	98
11) Freon 123a	2.064	67	196398	53.255	ug/L	99
12) Freon 123	2.119	83	236696	57.158	ug/L	98
13) Acrolein	2.168	56	7597	7.519	ug/L	84
14) 1,1-Diclethene	2.241	96	133221	47.227	ug/L	99
15) Freon 113	2.241	101	135354	47.498	ug/L	100
16) Acetone	2.308	43	82711	40.605	ug/L	95
17) 2-Propanol	2.442	45	292467	857.341	ug/L	93
18) Iodomethane	2.418	142	1029m	0.250	ug/L	
19) Carbon Disulfide	2.430	76	305049	39.651	ug/L	100
20) Acetonitrile	2.570	41	130731m	145.645	ug/L	
21) Allyl Chloride	2.576	76	16473	11.073	ug/L #	1
22) Methyl Acetate	2.607	43	165843	30.617	ug/L	99
23) Methylene Chloride	2.704	84	156653	44.826	ug/L	98
24) TBA	2.844	59	496344	891.878	ug/L	87
25) Acrylonitrile	2.978	53	449178	229.934	ug/L	100
26) Methyl-t-Butyl Ether	2.991	73	478198	45.775	ug/L	98
27) trans-1,2-Dichloroethene	2.985	96	147426	47.154	ug/L	93
28) 1,1-Diclethane	3.491	63	281712	48.960	ug/L	99
29) Vinyl Acetate	3.582	86	23556	55.203	ug/L #	71
30) DIPE	3.594	45	522670	54.739	ug/L	93
31) 2-Chloro-1,3-Butadiene	3.600	53	126385	26.515	ug/L	97
32) ETBE	4.125	59	415330	47.634	ug/L	99
33) 2,2-Dichloropropane	4.320	77	142838	38.324	ug/L	98
34) cis-1,2-Dichloroethene	4.332	96	179648	50.636	ug/L	89
35) 2-Butanone	4.405	43	100130	36.867	ug/L	99
36) Propionitrile	4.521	54	197821	238.330	ug/L	96
37) Bromochloromethane	4.740	130	114785	50.007	ug/L	93
38) Methacrylonitrile	4.771	67	93412	46.764	ug/L	98
39) Tetrahydrofuran	4.826	42	85416	45.535	ug/L	99
40) Chloroform	4.917	83	280842	49.698	ug/L	99

1st FNJ 03/25/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	1,1,1-Trichloroethane	5.191	97	223391	51.670	ug/L		99
42)	TAME	6.069	73	427645	50.749	ug/L		100
44)	Cyclohexane	5.258	41	144413	48.936	ug/L		100
46)	Carbontetrachloride	5.472	117	179098	49.652	ug/L		99
47)	1,1-Dichloropropene	5.490	75	202814	50.029	ug/L		98
49)	Benzene	5.832	78	624690	54.809	ug/L		99
50)	1,2-Dichloroethane	5.899	62	228804	47.833	ug/L		97
51)	Iso-Butyl Alcohol	5.899	43	214040	969.309	ug/L		98
52)	n-Heptane	6.301	43	156593	43.697	ug/L		97
53)	1-Butanol	6.892	56	354428	2747.498	ug/L		97
54)	Trichloroethene	6.813	130	178137	55.568	ug/L		99
55)	Methylcyclohexane	7.033	55	175390	47.568	ug/L		98
56)	1,2-Diclpropane	7.118	63	164657	52.095	ug/L		96
57)	Dibromomethane	7.270	93	112119	49.522	ug/L		95
58)	1,4-Dioxane	7.343	88	75419	988.589	ug/L		98
59)	Methyl Methacrylate	7.356	69	152008	57.478	ug/L		97
60)	Bromodichloromethane	7.508	83	200694	50.820	ug/L		99
61)	2-Nitropropane	7.831	41	74033	83.521	ug/L		92
62)	2-Chloroethylvinyl Ether	7.935	63	113377	51.040	ug/L		98
64)	4-Methyl-2-pentanone	8.301	43	231941	45.801	ug/L		94
66)	Toluene	8.447	91	700442	55.554	ug/L		99
67)	trans-1,3-Dichloropropene	8.752	75	16132	5.182	ug/L		99
68)	Ethyl Methacrylate	8.892	69	243366	53.871	ug/L		97
69)	1,1,2-Trichloroethane	8.947	97	160640	51.833	ug/L		99
72)	Tetrachloroethene	9.057	164	138442	53.900	ug/L		97
73)	2-Hexanone	9.258	43	177951	48.063	ug/L		100
74)	1,3-Dichloropropane	9.124	76	276873	49.799	ug/L		96
75)	Dibromochloromethane	9.361	129	155279	48.246	ug/L		96
76)	N-Butyl Acetate	9.410	43	325216	49.156	ug/L		99
77)	1,2-Dibromoethane	9.459	107	161439	52.665	ug/L		97
78)	3-Chlorobenzotrifluoride	9.983	180	236367	50.008	ug/L		99
79)	Chlorobenzene	9.965	112	453945	51.837	ug/L		99
80)	4-Chlorobenzotrifluoride	10.044	180	214963	51.094	ug/L		96
81)	1,1,1,2-Tetrachloroethane	10.056	131	141043	48.208	ug/L		99
82)	Ethylbenzene	10.087	106	241671	54.523	ug/L		100
83)	(m+p)Xylene	10.203	106	605711	107.804	ug/L		98
84)	o-Xylene	10.568	106	294129	52.394	ug/L		92
85)	Styrene	10.587	104	493137	53.268	ug/L		99
86)	Bromoform	10.751	173	111509	51.864	ug/L		97
87)	2-Chlorobenzotrifluoride	10.831	180	239741	49.874	ug/L		99
88)	Isopropylbenzene	10.910	105	725654	51.451	ug/L		99
89)	Cyclohexanone	11.001	55	637975	945.491	ug/L		98
90)	trans-1,4-Dichloro-2-B...	11.276	53	5001	5.502	ug/L	#	1
92)	1,1,2,2-Tetrachloroethane	11.196	83	252724	50.371	ug/L		95
93)	Bromobenzene	11.166	156	205050	54.936	ug/L		97
94)	1,2,3-Trichloropropane	11.227	110	81855	50.045	ug/L		96
95)	n-Propylbenzene	11.276	91	860466	52.605	ug/L		99
96)	2-Chlorotoluene	11.343	91	513926	52.623	ug/L		99
97)	3-Chlorotoluene	11.398	91	525389	53.027	ug/L		99
98)	4-Chlorotoluene	11.440	91	605047	52.439	ug/L		99
99)	1,3,5-Trimethylbenzene	11.434	105	618838	52.136	ug/L		99
100)	tert-Butylbenzene	11.708	119	528881	53.366	ug/L		100
101)	1,2,4-Trimethylbenzene	11.751	105	616186	52.328	ug/L		100
102)	3,4-Dichlorobenzotrifl...	11.818	214	186096	49.730	ug/L		96
103)	sec-Butylbenzene	11.891	105	762279	53.158	ug/L		99
104)	p-Isopropyltoluene	12.013	119	660551	53.249	ug/L		99

1st FNJ 03/25/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

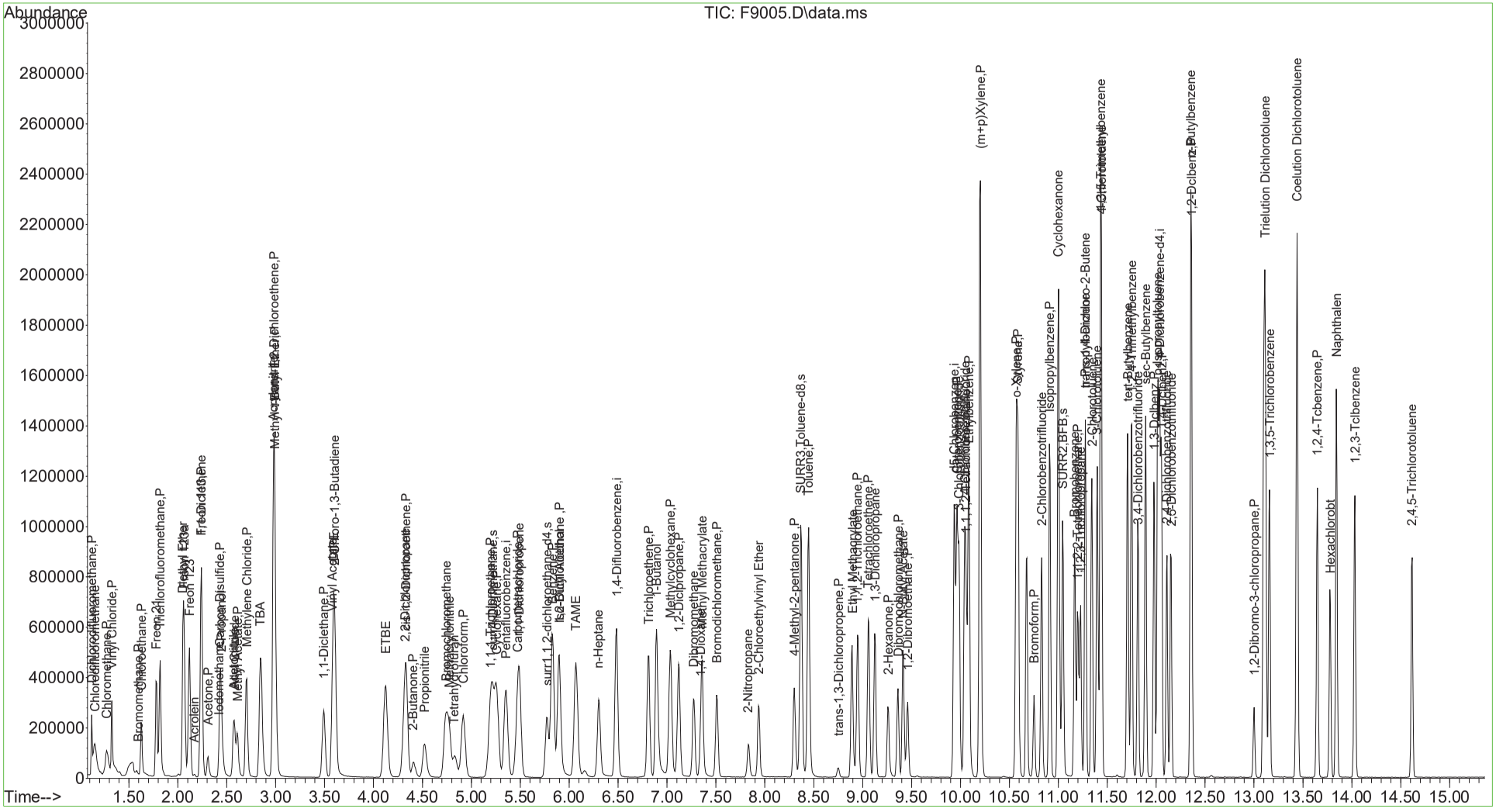
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.977	146	372493	52.561	ug/L	97
106) 1,4-Dclbenz	12.056	146	378085	51.062	ug/L	99
107) 2,4-Dichlorobenzotrifl...	12.111	214	172199	49.255	ug/L	99
108) 2,5-Dichlorobenzotrifl...	12.153	214	196231	50.751	ug/L	100
109) n-Butylbenzene	12.355	91	591695	53.175	ug/L	99
110) 1,2-Dclbenz	12.361	146	373707	52.398	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.001	157	51974	45.406	ug/L	97
112) Trielution Dichlorotol...	13.111	125	909512	152.827	ug/L	100
113) 1,3,5-Trichlorobenzene	13.159	180	273811	50.203	ug/L	99
114) Coelution Dichlorotoluene	13.440	125	676956	104.089	ug/L	99
115) 1,2,4-Tcbenzene	13.647	180	266117	50.979	ug/L	98
116) Hexachlorobt	13.781	225	110721	48.733	ug/L	97
117) Naphthalen	13.842	128	861150	54.433	ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	269214	52.508	ug/L	98
119) 2,4,5-Trichlorotoluene	14.616	159	178062	51.421	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F9005.D
Acq On : 23 Mar 2024 12:22 am
Operator : F.NAEGLER
Sample : R2402277-003DMS
Misc : VCG 7979 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 25 08:30:16 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

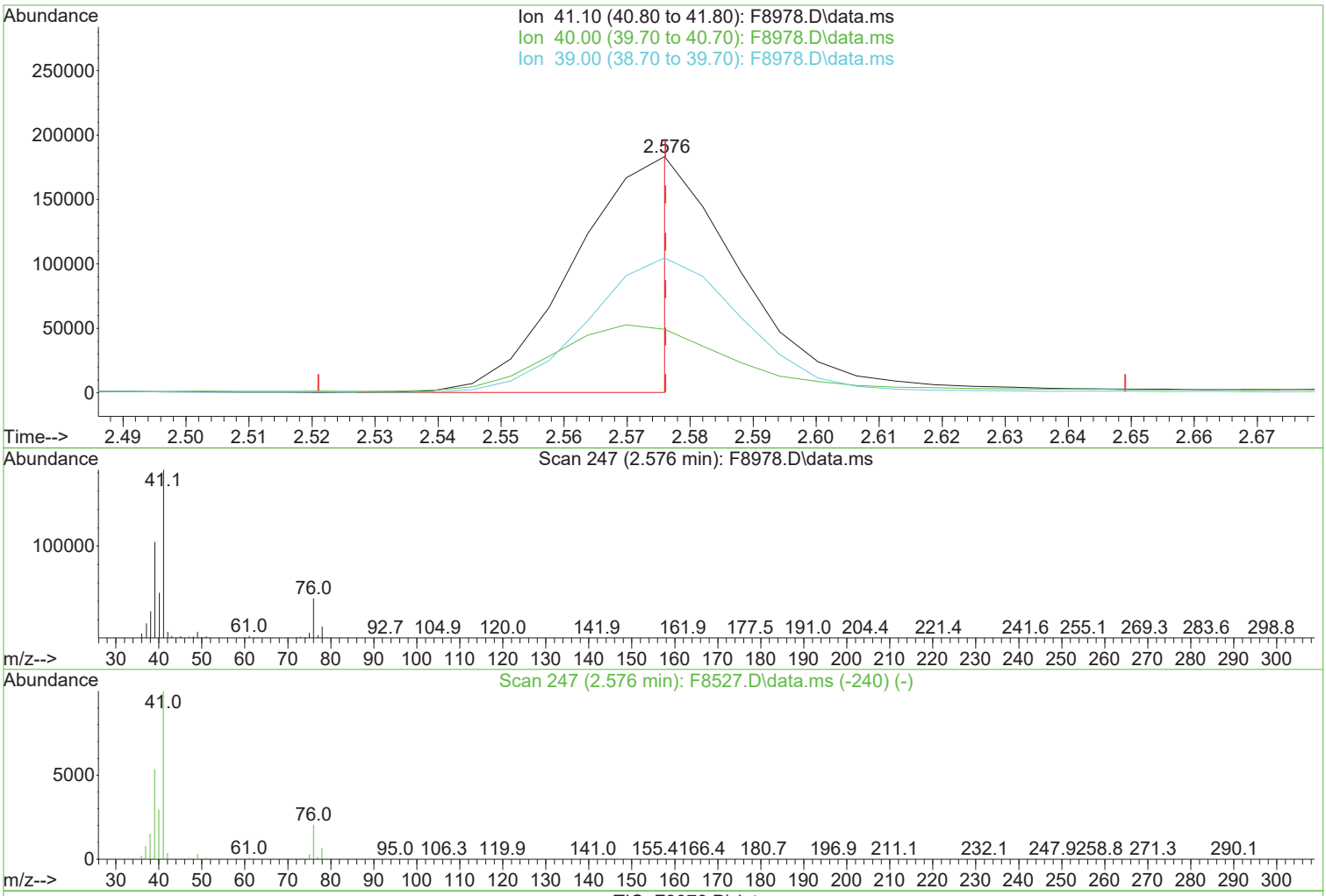


1st FJ 03/25/24
2nd [illegible] 03/25/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



TIC: F8978.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 232.11 ug/L m

response 209735

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	26.89
39.00	53.70	57.07
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

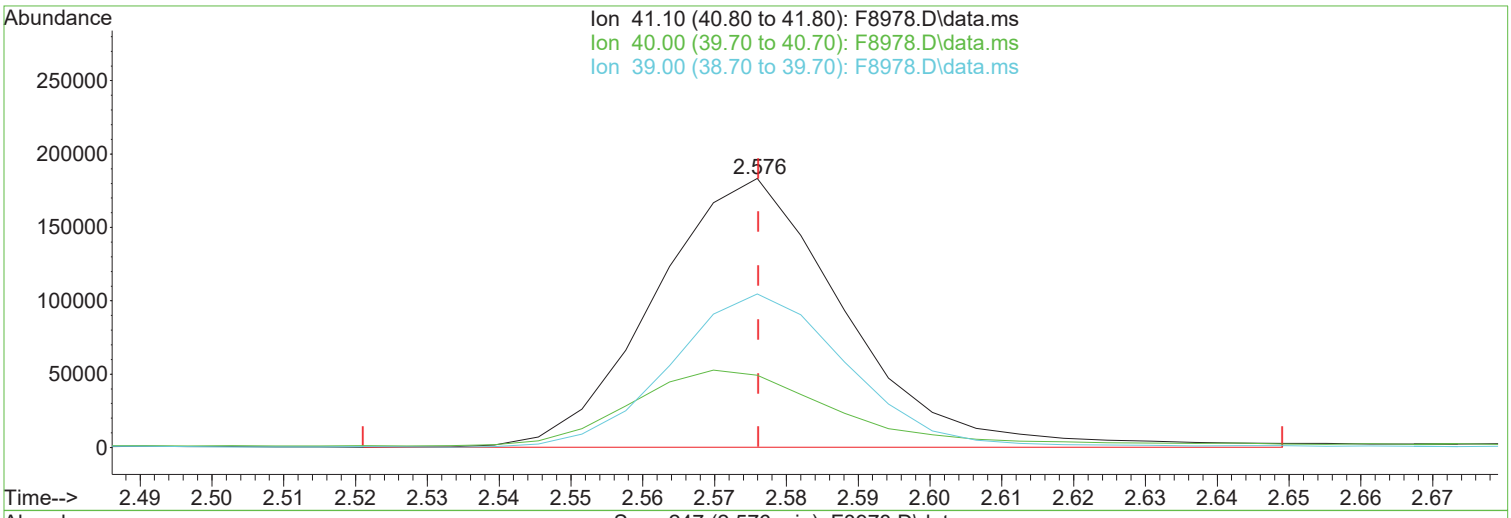
03/22/24

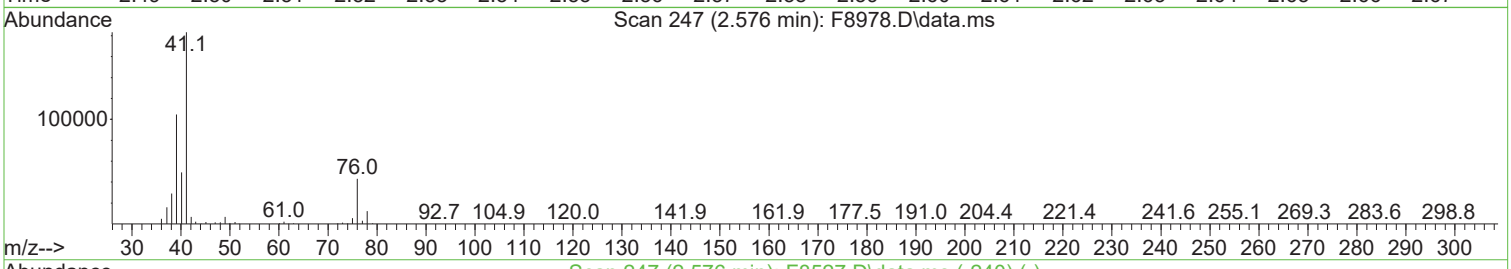
1st FN 03/22/24
2nd MR 03/25/24

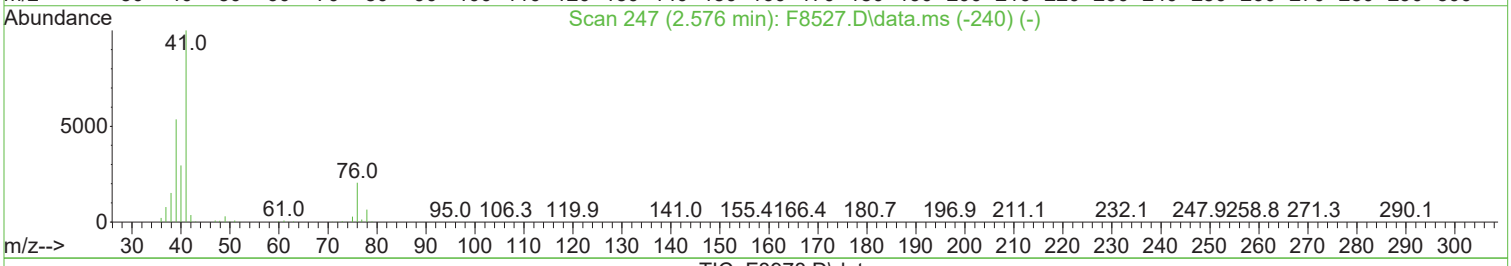
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8978.D\data.ms

(20) Acetonitrile

2.576min (-0.000) 375.14 ug/L

response 338986

Ion	Exp%	Act%
41.10	100.00	100.00
40.00	30.00	26.89
39.00	53.70	57.07
0.00	0.00	0.00

Manual Integration:

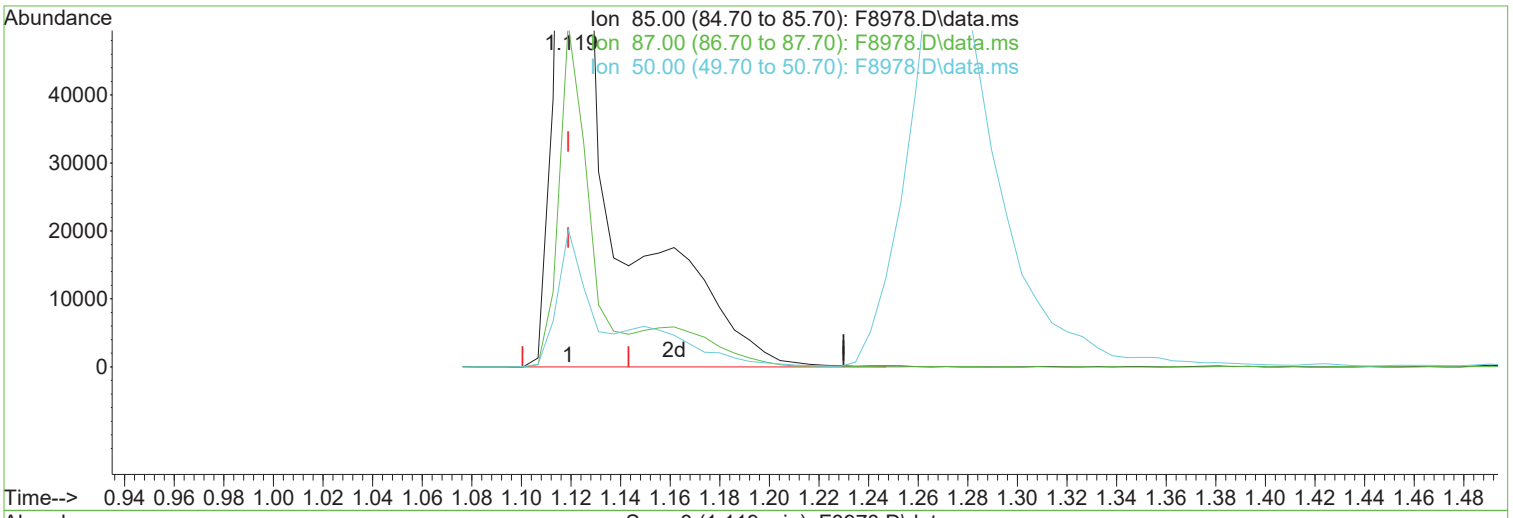
Before

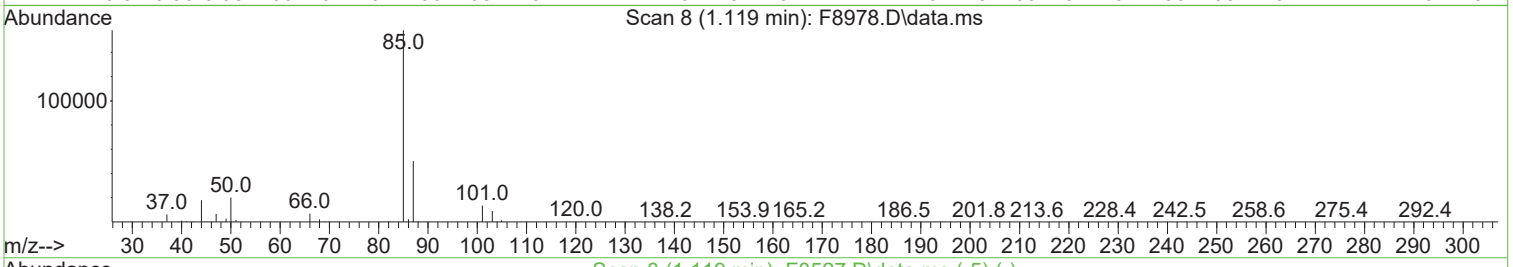
03/22/24

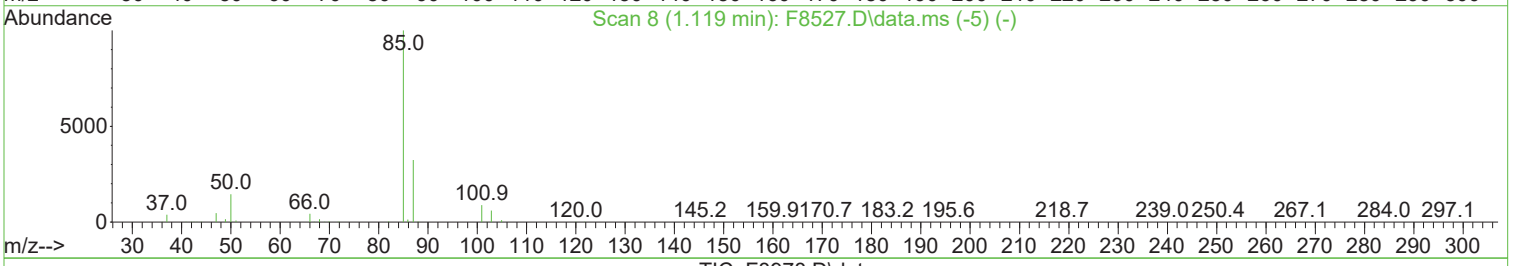
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8978.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (-0.000) 42.35 ug/L m

response 168860

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	31.76
50.00	14.40	12.72
0.00	0.00	0.00

Manual Integration:

After

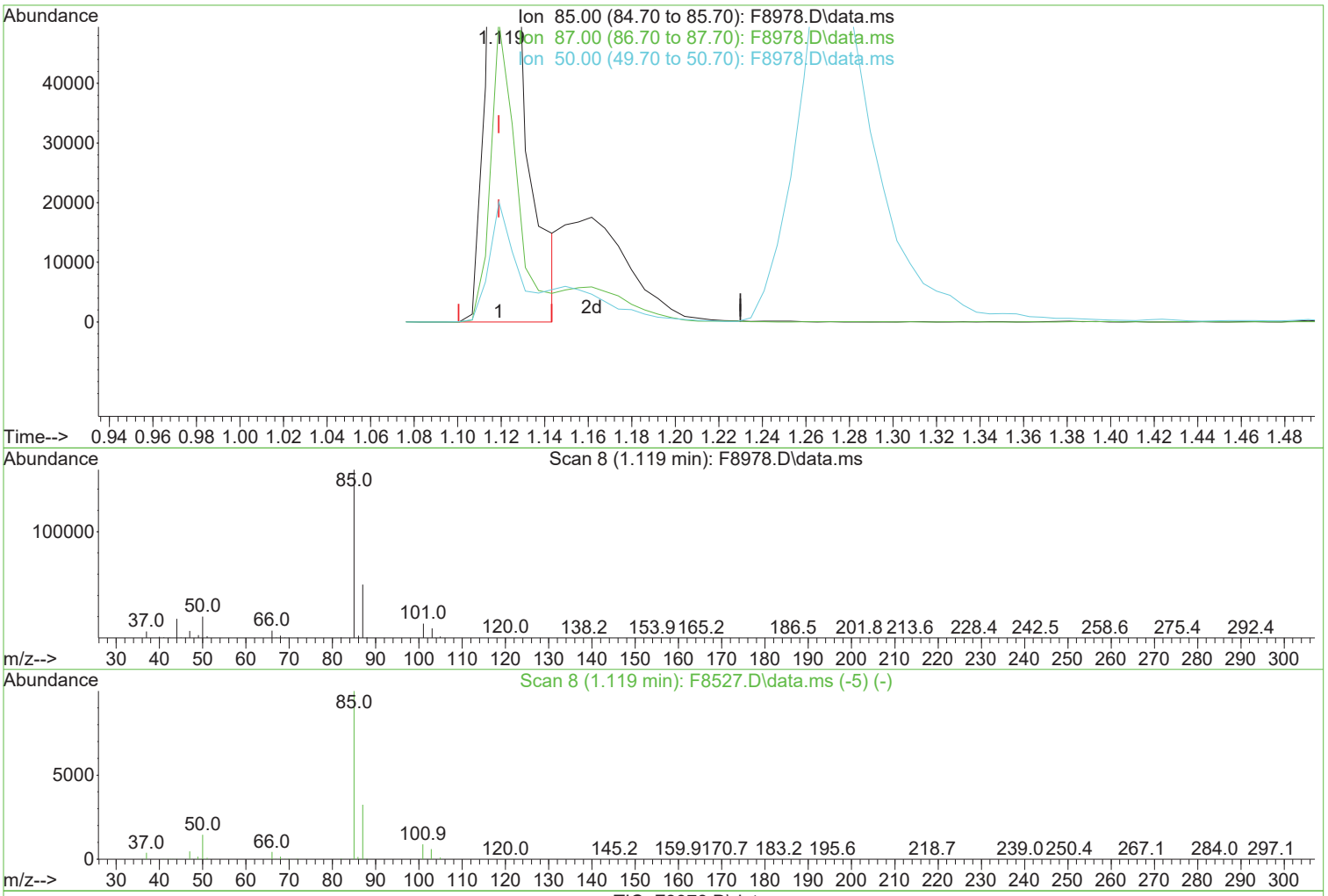
Poor integration.

03/22/24

1st FN 03/22/24
2nd MR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



TIC: F8978.D\data.ms

(3) Dichlorodifluoromethane (P)

1.119min (-0.000) 32.99 ug/L

response 131540

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.30	31.76
50.00	14.40	12.72
0.00	0.00	0.00

Manual Integration:

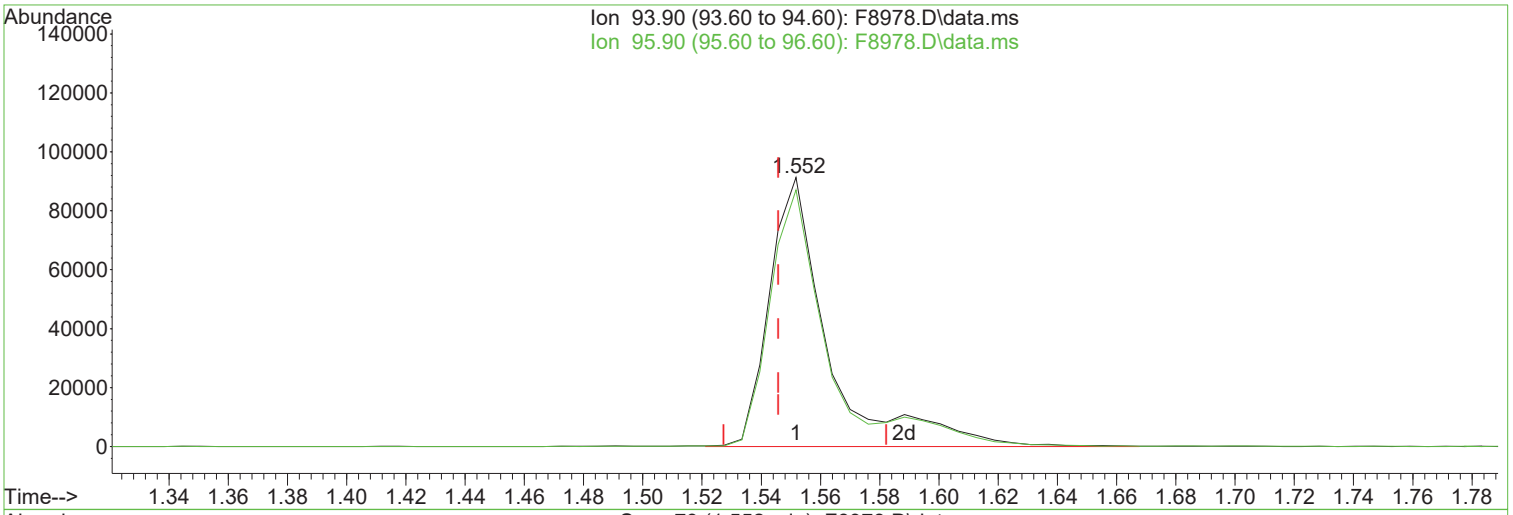
Before

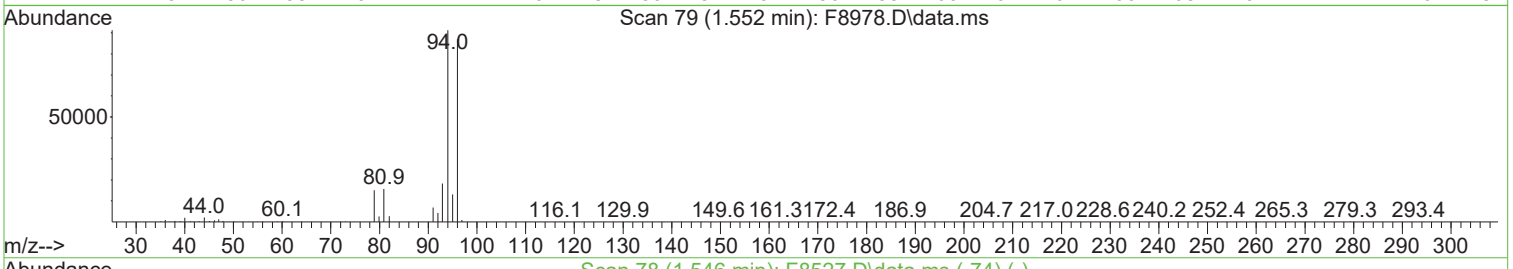
03/22/24

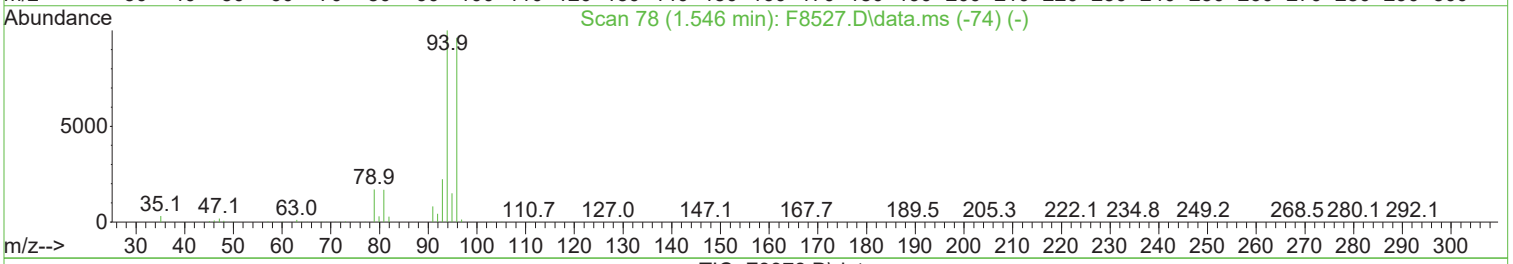
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration







TIC: F8978.D\data.ms

(6) Bromomethane (P)

1.552min (+ 0.006) 39.35 ug/L m

response 127208

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	95.37
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

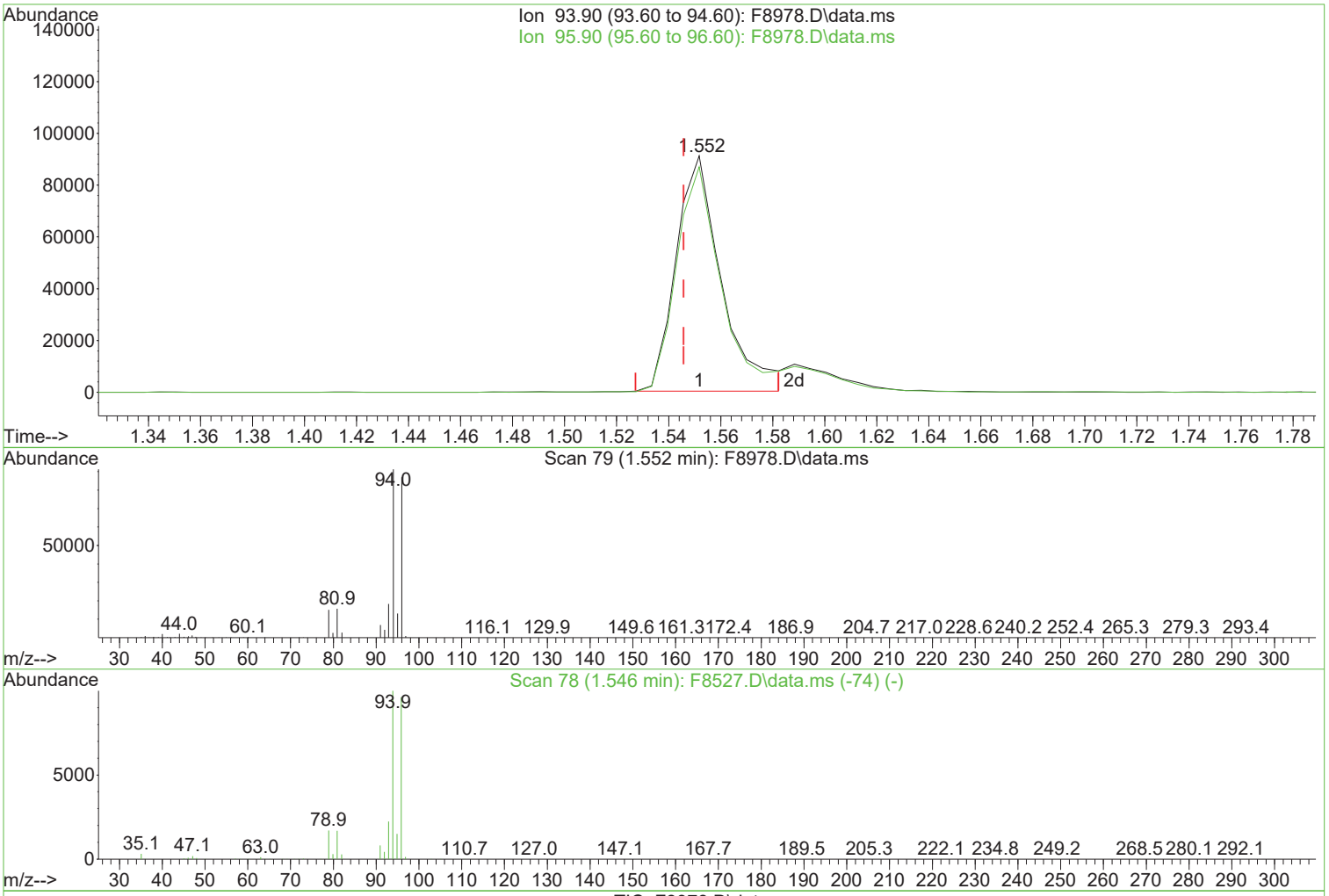
Poor integration.

03/22/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



TIC: F8978.D\data.ms

(6) Bromomethane (P)

1.552min (+ 0.006) 34.03 ug/L

response 110013

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	95.90	95.37
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/22/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	90	0.00
2		Chlorodifluoromethane	50.000	41.835	16.3	73	0.00
3	P	Dichlorodifluoromethane	50.000	42.351	15.3	67	0.00
4	P	Chloromethane	50.000	34.013	32.0#	58	0.00
5	P	Vinyl Chloride	50.000	42.112	15.8	69	0.00
6	P	Bromomethane	50.000	39.354	21.3#	74	0.00
7	P	Chloroethane	50.000	41.892	16.2	71	0.00
8		Freon 21	50.000	46.178	7.6	80	0.00
9	P	Trichlorofluoromethane	50.000	45.201	9.6	76	0.00
10		Diethyl Ether	50.000	43.395	13.2	77	0.00
11		Freon 123a	50.000	43.980	12.0	80	0.00
12		Freon 123	50.000	45.742	8.5	81	0.00
13		Acrolein	250.000	105.464	57.8#	35	0.00
14		1,1-Diclethene	50.000	44.051	11.9	75	0.00
15	P	Freon 113	50.000	44.277	11.4	75	0.00
16	P	Acetone	50.000	40.386	19.2	69	0.00
17		2-Propanol	1000.000	759.697	24.0#	60	0.00
18		Iodomethane	50.000	54.482	-9.0	93	0.00
19	P	Carbon Disulfide	50.000	46.988	6.0	80	0.00
20		Acetonitrile	250.000	232.106	7.2	76	0.00
21		Allyl Chloride	50.000	44.348	11.3	76	0.00
22	P	Methyl Acetate	50.000	39.146	21.7#	68	0.00
23	P	Methylene Chloride	50.000	41.565	16.9	77	0.00
24		TBA	1000.000	741.841	25.8#	60	0.00
25		Acrylonitrile	250.000	213.041	14.8	69	0.00
26	P	Methyl-t-Butyl Ether	50.000	43.168	13.7	73	0.00
27	P	trans-1,2-Dichloroethene	50.000	44.804	10.4	77	0.00
28	P	1,1-Diclethane	50.000	43.408	13.2	75	0.00
29		Vinyl Acetate	50.000	46.064	7.9	80	0.00
30		DIPE	50.000	47.393	5.2	79	0.00
31		2-Chloro-1,3-Butadiene	50.000	51.694	-3.4	85	0.00
32		ETBE	50.000	44.553	10.9	75	0.00
33		2,2-Dichloropropane	50.000	42.657	14.7	71	0.00
34	P	cis-1,2-Dichloroethene	50.000	44.389	11.2	76	0.00
35	P	2-Butanone	50.000	40.989	18.0	68	0.00
36		Propionitrile	250.000	212.579	15.0	69	0.00
37		Bromochloromethane	50.000	46.752	6.5	80	0.00
38		Methacrylonitrile	50.000	44.451	11.1	74	0.00
39		Tetrahydrofuran	50.000	40.118	19.8	67	-0.01
40	P	Chloroform	50.000	44.722	10.6	76	0.00
41	P	1,1,1-Trichloroethane	50.000	45.671	8.7	74	0.00
42		TAME	50.000	44.180	11.6	73	0.00
43	i	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
44	P	Cyclohexane	50.000	48.311	3.4	82	0.00
45	s	surr4,Dibrflmethane	50.000	46.633	6.7	80	0.00
46	P	Carbontetrachloride	50.000	44.771	10.5	76	0.00
47		1,1-Dichloropropene	50.000	45.660	8.7	77	0.00
48	s	surr1,1,2-dichloroethane-d4	50.000	45.915	8.2	79	0.00
49	P	Benzene	50.000	48.515	3.0	78	0.00
50	P	1,2-Dichloroethane	50.000	46.230	7.5	75	0.00
51		Iso-Butyl Alcohol	1000.000	820.024	18.0	63	0.00

1st FNJ 03/22/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	50.978	-2.0	84	0.00
53		1-Butanol	2500.000	2195.144	12.2	63	0.00
54	P	Trichloroethene	50.000	47.629	4.7	79	0.00
55	P	Methylcyclohexane	50.000	50.548	-1.1	89	0.00
56	P	1,2-Diclpropane	50.000	48.570	2.9	77	0.00
57		Dibromomethane	50.000	46.631	6.7	76	0.00
58		1,4-Dioxane	1000.000	873.994	12.6	71	0.00
59		Methyl Methacrylate	50.000	50.458	-0.9	78	0.00
60	P	Bromodichloromethane	50.000	48.168	3.7	78	0.00
61		2-Nitropropane	100.000	86.447	13.6	64	0.00
62		2-Chloroethylvinyl Ether	50.000	55.868	-11.7	91	0.00
63	P	cis-1,3-Dichloropropene	50.000	51.245	-2.5	80	0.00
64	P	4-Methyl-2-pentanone	50.000	45.779	8.4	74	0.00
65	s	SURR3,Toluene-d8	50.000	50.028	-0.1	88	0.00
66	P	Toluene	50.000	49.739	0.5	83	0.00
67	P	trans-1,3-Dichloropropene	50.000	53.206	-6.4	82	0.00
68		Ethyl Methacrylate	50.000	50.905	-1.8	81	0.00
69	P	1,1,2-Trichloroethane	50.000	48.799	2.4	79	0.00
70	s	SURR2,BFB	50.000	49.104	1.8	86	0.00
71	i	d5-Chlorobenzene	50.000	50.000	0.0	90	0.00
72	P	Tetrachloroethene	50.000	49.426	1.1	84	0.00
73	P	2-Hexanone	50.000	45.414	9.2	74	0.00
74		1,3-Dichloropropane	50.000	46.823	6.4	82	0.00
75	P	Dibromochloromethane	50.000	48.230	3.5	80	0.00
76		N-Butyl Acetate	50.000	47.130	5.7	80	0.00
77	P	1,2-Dibromoethane	50.000	52.856	-5.7	94	0.00
78		3-Chlorobenzotrifluoride	50.000	53.045	-6.1	87	0.00
79	P	Chlorobenzene	50.000	48.053	3.9	85	0.00
80		4-Chlorobenzotrifluoride	50.000	54.046	-8.1	87	0.00
81		1,1,1,2-Tetrachloroethane	50.000	46.739	6.5	78	0.00
82	P	Ethylbenzene	50.000	49.400	1.2	83	0.00
83	P	(m+p)Xylene	100.000	96.886	3.1	83	0.00
84	P	o-Xylene	50.000	47.452	5.1	81	0.00
85	P	Styrene	50.000	50.468	-0.9	83	0.00
86	P	Bromoform	50.000	48.590	2.8	80	0.00
87		2-Chlorobenzotrifluoride	50.000	51.659	-3.3	86	0.00
88	P	Isopropylbenzene	50.000	48.062	3.9	80	0.00
89		Cyclohexanone	1000.000	670.812	32.9#	50	0.00
90		trans-1,4-Dichloro-2-Butene	50.000	55.100	-10.2	96	0.00
91	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
92	P	1,1,2,2-Tetrachloroethane	50.000	45.494	9.0	79	0.00
93		Bromobenzene	50.000	48.577	2.8	85	0.00
94		1,2,3-Trichloropropane	50.000	44.728	10.5	79	0.00
95		n-Propylbenzene	50.000	47.998	4.0	82	0.00
96		2-Chlorotoluene	50.000	47.001	6.0	82	0.00
97		3-Chlorotoluene	50.000	49.189	1.6	85	0.00
98		4-Chlorotoluene	50.000	47.441	5.1	83	0.00
99		1,3,5-Trimethylbenzene	50.000	47.235	5.5	80	0.00
100		tert-Butylbenzene	50.000	46.313	7.4	78	0.00
101		1,2,4-Trimethylbenzene	50.000	47.952	4.1	81	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
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	53.423	-6.8	89	0.00
103		sec-Butylbenzene	50.000	47.390	5.2	80	0.00
104		p-Isopropyltoluene	50.000	48.180	3.6	80	0.00
105	P	1,3-Dclbenz	50.000	47.695	4.6	85	0.00
106	P	1,4-Dclbenz	50.000	46.474	7.1	86	0.00
107		2,4-Dichlorobenzotrifluorid	50.000	51.484	-3.0	88	0.00
108		2,5-Dichlorobenzotrifluorid	50.000	52.400	-4.8	88	0.00
109		n-Butylbenzene	50.000	49.350	1.3	83	0.00
110	P	1,2-Dclbenz	50.000	47.268	5.5	83	0.00
111	P	1,2-Dibromo-3-chloropropane	50.000	43.705	12.6	72	0.00
112		Trielution Dichlorotoluene	150.000	148.386	1.1	83	0.00
113		1,3,5-Trichlorobenzene	50.000	49.119	1.8	84	0.00
114		Coelution Dichlorotoluene	100.000	99.434	0.6	83	0.00
115	P	1,2,4-Tcbenzene	50.000	48.020	4.0	83	0.00
116		Hexachlorobt	50.000	47.659	4.7	82	0.00
117		Naphthalen	50.000	48.970	2.1	82	0.00
118		1,2,3-Tclbenzene	50.000	48.354	3.3	82	0.00
119		2,4,5-Trichlorotoluene	50.000	51.224	-2.4	82	0.00
120		2,3,6-Trichlorotoluene	50.000	0.000	100.0#	0	-14.70#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.350	168	374018	50.00	ug/L	0.00
43) 1,4-Difluorobenzene	6.484	114	552366	50.00	ug/L	0.00
71) d5-Chlorobenzene	9.934	117	515044	50.00	ug/L	0.00
91) 1,4-Dichlorobenzene-d4	12.038	152	291921	50.00	ug/L	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.216	113	162121	46.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.26%			
48) surr1,1,2-dichloroetha...	5.770	65	199501	45.92	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 91.84%			
65) SURR3,Toluene-d8	8.367	98	649123	50.03	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.06%			
70) SURR2,BFB	11.044	95	237790	49.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.20%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.149	51	145400	41.835	ug/L	100
3) Dichlorodifluoromethane	1.119	85	168860m	42.351	ug/L	
4) Chloromethane	1.271	50	156118	34.013	ug/L	97
5) Vinyl Chloride	1.326	62	189888	42.112	ug/L	99
6) Bromomethane	1.552	94	127208m	39.354	ug/L	
7) Chloroethane	1.631	64	149445	41.892	ug/L	98
8) Freon 21	1.783	67	307584	46.178	ug/L	98
9) Trichlorofluoromethane	1.820	101	239735	45.201	ug/L	98
10) Diethyl Ether	2.052	59	135674	43.395	ug/L	99
11) Freon 123a	2.064	67	163279	43.980	ug/L	97
12) Freon 123	2.119	83	190690	45.742	ug/L	98
13) Acrolein	2.167	56	107267	105.464	ug/L	100
14) 1,1-Diclethene	2.241	96	125094	44.051	ug/L	99
15) Freon 113	2.241	101	127021	44.277	ug/L	100
16) Acetone	2.308	43	82817	40.386	ug/L	100
17) 2-Propanol	2.442	45	260895	759.697	ug/L	93
18) Iodomethane	2.375	142	225601	54.482	ug/L	97
19) Carbon Disulfide	2.430	76	363921	46.988	ug/L	99
20) Acetonitrile	2.576	41	209735m	232.106	ug/L	
21) Allyl Chloride	2.576	76	66415	44.348	ug/L #	81
22) Methyl Acetate	2.606	43	213463	39.146	ug/L	99
23) Methylene Chloride	2.704	84	146230	41.565	ug/L	96
24) TBA	2.844	59	415614	741.841	ug/L	90
25) Acrylonitrile	2.978	53	418968	213.041	ug/L	100
26) Methyl-t-Butyl Ether	2.990	73	453985	43.168	ug/L	98
27) trans-1,2-Dichloroethene	2.984	96	141018	44.804	ug/L	95
28) 1,1-Diclethane	3.490	63	251440	43.408	ug/L	98
29) Vinyl Acetate	3.588	86	19788	46.064	ug/L #	93
30) DIPE	3.594	45	455557	47.393	ug/L	88
31) 2-Chloro-1,3-Butadiene	3.600	53	248051	51.694	ug/L	98
32) ETBE	4.118	59	391074	44.553	ug/L	98
33) 2,2-Dichloropropane	4.313	77	160052	42.657	ug/L	98
34) cis-1,2-Dichloroethene	4.332	96	158542	44.389	ug/L	93
35) 2-Butanone	4.405	43	112072	40.989	ug/L	96
36) Propionitrile	4.515	54	177630	212.579	ug/L	100
37) Bromochloromethane	4.734	130	108033	46.752	ug/L	96
38) Methacrylonitrile	4.771	67	89388	44.451	ug/L	100
39) Tetrahydrofuran	4.825	42	75760	40.118	ug/L	97
40) Chloroform	4.917	83	254415	44.722	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,1,1-Trichloroethane	5.191	97	198776	45.671	ug/L	100
42) TAME	6.063	73	374789	44.180	ug/L	99
44) Cyclohexane	5.252	41	145504	48.311	ug/L	98
46) Carbontetrachloride	5.466	117	164819	44.771	ug/L	97
47) 1,1-Dichloropropene	5.490	75	188914	45.660	ug/L	96
49) Benzene	5.825	78	564346	48.515	ug/L	100
50) 1,2-Dichloroethane	5.892	62	225692	46.230	ug/L	98
51) Iso-Butyl Alcohol	5.892	43	182710	820.024	ug/L	98
52) n-Heptane	6.301	43	186447	50.978	ug/L	98
53) 1-Butanol	6.892	56	280287	2195.144	ug/L	97
54) Trichloroethene	6.807	130	155831	47.629	ug/L	99
55) Methylcyclohexane	7.032	55	190217	50.548	ug/L	97
56) 1,2-Diclpropane	7.118	63	156678	48.570	ug/L	99
57) Dibromomethane	7.270	93	107749	46.631	ug/L	93
58) 1,4-Dioxane	7.343	88	68050	873.994	ug/L	97
59) Methyl Methacrylate	7.355	69	136193	50.458	ug/L	96
60) Bromodichloromethane	7.508	83	194138	48.168	ug/L	99
61) 2-Nitropropane	7.831	41	78606	86.447	ug/L	97
62) 2-Chloroethylvinyl Ether	7.935	63	127400	55.868	ug/L	99
63) cis-1,3-Dichloropropene	8.069	75	227881	51.245	ug/L	99
64) 4-Methyl-2-pentanone	8.300	43	236605	45.779	ug/L	96
66) Toluene	8.447	91	640032	49.739	ug/L	99
67) trans-1,3-Dichloropropene	8.752	75	200339	53.206	ug/L	96
68) Ethyl Methacrylate	8.892	69	233464	50.905	ug/L	97
69) 1,1,2-Trichloroethane	8.947	97	154354	48.799	ug/L	99
72) Tetrachloroethene	9.056	164	130515	49.426	ug/L	97
73) 2-Hexanone	9.258	43	172863	45.414	ug/L	100
74) 1,3-Dichloropropane	9.123	76	267638	46.823	ug/L	98
75) Dibromochloromethane	9.361	129	159582	48.230	ug/L	98
76) N-Butyl Acetate	9.410	43	319368	47.130	ug/L	99
77) 1,2-Dibromoethane	9.459	107	166575	52.856	ug/L	99
78) 3-Chlorobenzotrifluoride	9.983	180	257763	53.045	ug/L	97
79) Chlorobenzene	9.965	112	432624	48.053	ug/L	98
80) 4-Chlorobenzotrifluoride	10.044	180	233768	54.046	ug/L	97
81) 1,1,1,2-Tetrachloroethane	10.056	131	140295	46.739	ug/L	98
82) Ethylbenzene	10.087	106	225117	49.400	ug/L	100
83) (m+p)Xylene	10.202	106	559655	96.886	ug/L	98
84) o-Xylene	10.568	106	273866	47.452	ug/L	97
85) Styrene	10.587	104	480343	50.468	ug/L	98
86) Bromoform	10.751	173	106559	48.590	ug/L	97
87) 2-Chlorobenzotrifluoride	10.830	180	255294	51.659	ug/L	99
88) Isopropylbenzene	10.910	105	696893	48.062	ug/L	100
89) Cyclohexanone	11.001	55	465345	670.812	ug/L	100
90) trans-1,4-Dichloro-2-B...	11.245	53	51485	55.100	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.196	83	245768	45.494	ug/L	97
93) Bromobenzene	11.166	156	195228	48.577	ug/L	96
94) 1,2,3-Trichloropropane	11.227	110	78773	44.728	ug/L	96
95) n-Propylbenzene	11.275	91	845359	47.998	ug/L	100
96) 2-Chlorotoluene	11.342	91	494243	47.001	ug/L	98
97) 3-Chlorotoluene	11.397	91	524763	49.189	ug/L	99
98) 4-Chlorotoluene	11.440	91	589378	47.441	ug/L	99
99) 1,3,5-Trimethylbenzene	11.434	105	603685	47.235	ug/L	99
100) tert-Butylbenzene	11.708	119	494195	46.313	ug/L	100
101) 1,2,4-Trimethylbenzene	11.751	105	607985	47.952	ug/L	99
102) 3,4-Dichlorobenzotrifl...	11.818	214	215255	53.423	ug/L	97
103) sec-Butylbenzene	11.891	105	731716	47.390	ug/L	100

1st FJ 03/22/24
2nd WR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration

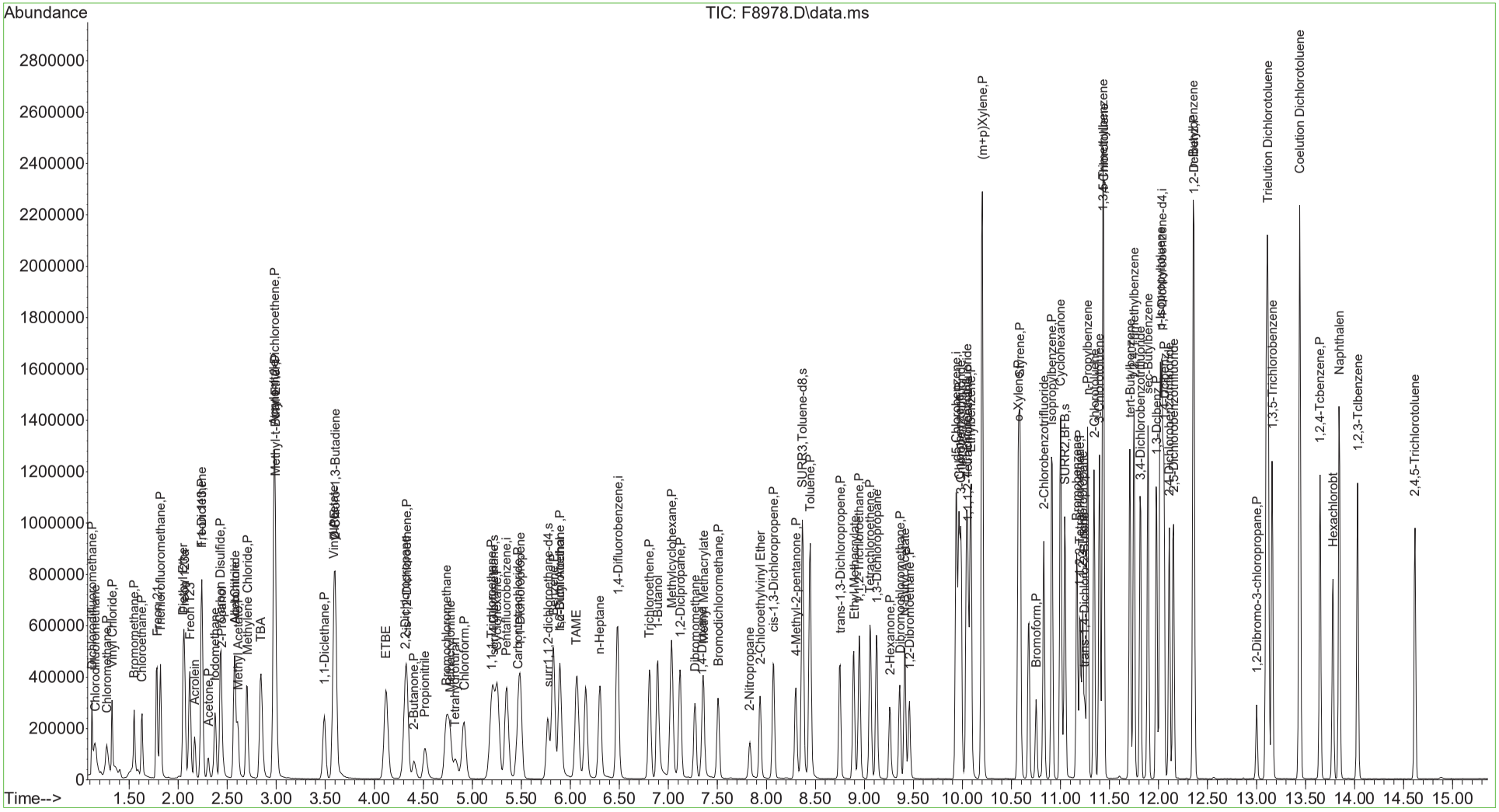
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) p-Isopropyltoluene	12.019	119	643534	48.180	ug/L	98
105) 1,3-Dclbenz	11.977	146	363941	47.695	ug/L	99
106) 1,4-Dclbenz	12.056	146	370516	46.474	ug/L	98
107) 2,4-Dichlorobenzotrifl...	12.111	214	193801	51.484	ug/L	97
108) 2,5-Dichlorobenzotrifl...	12.153	214	218155	52.400	ug/L	98
109) n-Butylbenzene	12.355	91	591266	49.350	ug/L	99
110) 1,2-Dclbenz	12.361	146	362984	47.268	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.001	157	53724	43.705	ug/L	98
112) Trielution Dichlorotol...	13.110	125	950843	148.386	ug/L	99
113) 1,3,5-Trichlorobenzene	13.159	180	288456	49.119	ug/L	99
114) Coelution Dichlorotoluene	13.440	125	696297	99.434	ug/L	98
115) 1,2,4-Tcbenzene	13.647	180	269906	48.020	ug/L	99
116) Hexachlorobt	13.781	225	116588	47.659	ug/L	99
117) Naphthalen	13.842	128	834169	48.970	ug/L	99
118) 1,2,3-Tclbenzene	14.031	180	266939	48.354	ug/L	99
119) 2,4,5-Trichlorotoluene	14.616	159	190991	51.224	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8978.D
Acq On : 22 Mar 2024 01:54 pm
Operator : F.NAEGLER
Sample : CCV
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:10:07 2024
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Wed Mar 06 14:33:47 2024
Response via : Initial Calibration



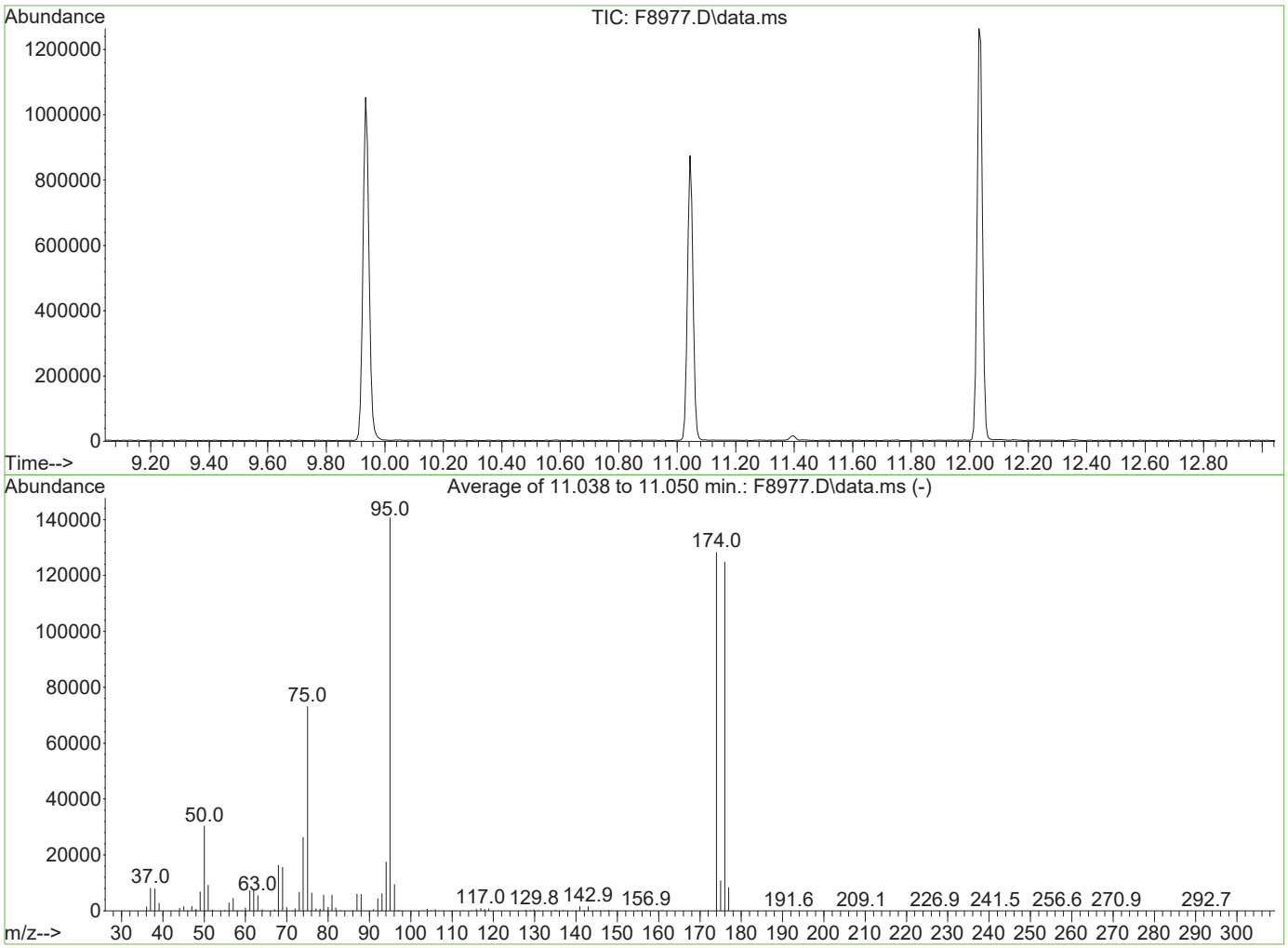
1st FJ 03/22/24
2nd [illegible] 03/25/24

1st FN 03/22/24
2nd MR 03/25/24

Data Path : I:\ACQUDATA\MSVOA14\Data\032224\
Data File : F8977.D
Acq On : 22 Mar 2024 01:21 pm
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\W030524.m
Title : MS#14 - 8260 WATERS 5mL Purge
Last Update : Wed Mar 06 14:33:47 2024



AutoFind: Scans 1635, 1636, 1637; 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	21.6	30427	PASS
75	95	30	80	52.0	73207	PASS
95	95	100	100	100.0	140691	PASS
96	95	5	9	6.7	9468	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.2	128352	PASS
175	174	5	9	8.5	10912	PASS
176	174	95	101	97.4	124981	PASS
177	176	5	9	6.8	8439	PASS

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton **Calibration Date:** 3/5/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2400045 **Signal ID:** 1
Instrument ID: R-MS-14

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2400045-01	0.5 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8522.D	03/05/2024 11:13
02	RC2400045-02	1 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8523.D	03/05/2024 11:35
03	RC2400045-03	2 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8524.D	03/05/2024 11:58
04	RC2400045-04	5 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8525.D	03/05/2024 12:20
05	RC2400045-05	20 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8526.D	03/05/2024 12:42
06	RC2400045-06	50 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8527.D	03/05/2024 13:05
07	RC2400045-07	100 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8528.D	03/05/2024 13:27
08	RC2400045-08	150 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8529.D	03/05/2024 13:50
09	RC2400045-09	200 PPB STD	I:\ACQUDATA\MSVOA14\Data\030524\F8530.D	03/05/2024 14:12

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4871	02	1.000	0.5129	03	2.000	0.505	04	5.000	0.5438
05	20.000	0.6176	06	50.000	0.6433	07	100.000	0.6573	08	150.000	0.6091
09	200.000	0.6604									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7635	02	1.000	0.6985	03	2.000	0.7326	04	5.000	0.7683
05	20.000	0.8344	06	50.000	0.8082	07	100.000	0.8112	08	150.000	0.7548
09	200.000	0.7976									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3593	02	1.000	0.3535	03	2.000	0.3509	04	5.000	0.3795
05	20.000	0.3998	06	50.000	0.4006	07	100.000	0.4039	08	150.000	0.3692
09	200.000	0.3998									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4852	05	20.000	0.4177	06	50.000	0.4233	07	100.000	0.4383
08	200.000	0.4272									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3594	05	20.000	0.3036	06	50.000	0.3095	07	100.000	0.3091
08	200.000	0.2919									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2336	02	1.000	0.2471	03	2.000	0.2273	04	5.000	0.2688
05	20.000	0.2641	06	50.000	0.2719	07	100.000	0.2755	08	150.000	0.2533
09	200.000	0.2655									

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton **Calibration Date:** 3/5/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2400045 **Signal ID:** 1
Instrument ID: R-MS-14

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.377	05	20.000	1.134	06	50.000	1.135	07	100.000	1.141
08	200.000	1.086									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2984	02	1.000	0.2759	03	2.000	0.2845	04	5.000	0.302
05	20.000	0.3007	06	50.000	0.3048	07	100.000	0.3104	08	150.000	0.2869
09	200.000	0.3019									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.587	02	1.000	0.5708	03	2.000	0.5799	04	5.000	0.586
05	20.000	0.6661	06	50.000	0.6631	07	100.000	0.6431	08	150.000	0.5367
09	200.000	0.5923									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4469	02	1.000	0.456	03	2.000	0.4559	04	5.000	0.475
05	20.000	0.5068	06	50.000	0.5028	07	100.000	0.496	08	150.000	0.4634
09	200.000	0.4945									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3904	02	1.000	0.3928	03	2.000	0.4038	04	5.000	0.4112
05	20.000	0.447	06	50.000	0.4405	07	100.000	0.4425	08	150.000	0.4116
09	200.000	0.4471									

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton **Calibration Date:** 3/5/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2400045 **Signal ID:** 1
Instrument ID: R-MS-14

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	12.0	≤20	0.5818	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	5.5	≤20	0.7744	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	5.8	≤20	0.3796	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	6.2	≤20	0.4384	
Dibromofluoromethane	SURR	Average RF	% RSD	8.2	≤20	0.3147	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	6.7	≤20	0.2563	0.200
Toluene-d8	SURR	Average RF	% RSD	9.8	≤20	1.175	
Trichloroethene (TCE)	TRG	Average RF	% RSD	3.8	≤20	0.2962	0.200
Vinyl Chloride	TRG	Average RF	% RSD	7.4	≤20	0.6028	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	4.8	≤20	0.4775	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	5.6	≤20	0.4208	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2402277
Project: Dover Binghamton **Calibration Date:** 3/5/2024

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2400045 **Signal ID:** 1
Instrument ID: R-MS-14

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2400045-10	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\030524\F8534.D	03/05/2024 15:41

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.7	5.818E-1	5.433E-1	-6.624	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	46.6	7.744E-1	7.212E-1	-6.869	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	41.9	3.796E-1	3.182E-1	-16.181	±30	Average RF
Tetrachloroethene (PCE)	50.0	43.9	2.563E-1	2.253E-1	-12.129	±30	Average RF
Trichloroethene (TCE)	50.0	44.7	2.962E-1	2.651E-1	-10.503	±30	Average RF
Vinyl Chloride	50.0	36.7	6.028E-1	4.428E-1	-26.535	±30	Average RF
cis-1,2-Dichloroethene	50.0	46.7	4.775E-1	4.457E-1	-6.652	±30	Average RF
trans-1,2-Dichloroethene	50.0	42.6	4.208E-1	3.585E-1	-14.795	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	49.9	4.384E-1	4.371E-1	-0.280	±30	Average RF
Dibromofluoromethane	50.0	48.3	3.147E-1	3.039E-1	-3.425	±30	Average RF
Toluene-d8	50.0	48.7	1.175E0	1.145E0	-2.532	±30	Average RF

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

Service Request: R2402277
Date Analyzed: 03/22/24 13:54

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\MSVOA14\Data\032224\F8978.D\
Signal ID: 1

Calibration Date: 3/5/2024
Calibration ID: RC2400045
Analysis Lot: 835723
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	45.7	0.5818	0.5315	-8.7	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	43.4	0.7744	0.6723	-13.2	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	44.1	0.3796	0.3345	-11.9	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.4	0.2563	0.2534	-1.1	NA	±20	Average RF
Trichloroethene (TCE)	50.0	47.6	0.2962	0.2821	-4.7	NA	±20	Average RF
Vinyl Chloride	50.0	42.1	0.6028	0.5077	-15.8	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	44.4	0.4775	0.4239	-11.2	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	44.8	0.4208	0.377	-10.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	49.1	0.4384	0.4305	-1.8	NA	±20	Average RF
Dibromofluoromethane	50.0	46.6	0.3147	0.2935	-6.7	NA	±20	Average RF
Toluene-d8	50.0	50.0	1.1745	1.1752	0.1	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**835723
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\032224\F8977.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	13:21:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8978.D\	Continuing Calibration Verification	RQ2402993-02	3/22/2024	13:54:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8979.D\	Lab Control Sample	RQ2402993-03	3/22/2024	14:29:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8980.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	14:51:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8982.D\	Method Blank	RQ2402993-05	3/22/2024	15:50:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8983.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	16:12:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8984.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	16:34:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8985.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	16:57:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8986.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	17:19:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8987.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	17:41:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8988.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	18:04:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8989.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	18:26:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8990.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	18:48:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8991.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	19:10:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8992.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	19:33:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8993.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	19:55:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8994.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	20:17:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8995.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	20:40:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8996.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	21:02:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8997.D\	ZZZZZZZ	ZZZZZZZ	3/22/2024	21:24:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8998.D\	MW-17-031924	R2402277-002	3/22/2024	21:47:00	
I:\ACQUDATA\MSVOA14\Data\032224\F8999.D\	MW-10-031924	R2402277-003	3/22/2024	22:09:00	
I:\ACQUDATA\MSVOA14\Data\032224\F9000.D\	MW-9-031924	R2402277-004	3/22/2024	22:31:00	

Client: Verina Consulting Group, LLC **Service Request:**R2402277
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**835723
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\032224\F9001.D\	MW-16-031924	R2402277-006	3/22/2024	22:53:00	
I:\ACQUDATA\MSVOA14\Data\032224\F9004.D\	MW-10-031924 MS	RQ2402993-07	3/23/2024	00:00:00	
I:\ACQUDATA\MSVOA14\Data\032224\F9005.D\	MW-10-031924 DMS	RQ2402993-08	3/23/2024	00:22:00	

Analysis: 8260/624 | Analyst: F. Nagle | pH strips: 228022 | Tune Method: W030524.M

Date: 3/22/24 | Balance ID: — | ResCl strips: 032412-KK | Run Method: ↓

Instr. MS14 | 50 mL Class A used for dilution FV | Syringes: 210903/218579 | LIMS Run#: 835723

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	TUNE								F8977	Y	
2	CCV								78	Y	
3	LCS-UNP								79	Y	
4	LCS-FP								80	Y	
5	BLK								81	(N)	
6	MBLK-UNP								82	Y	
7	MBLK-FP								83	Y	
8	R2402235-001	1.0		9943	1	N	—	<2	84	Y	
9	R2402298-001	1.0		19850	1	N	neg	7	85	Y	
10	R2402155-001	1.0	LL	6656	1	N	—	<2	86	Y	+TICs
11	-002	1.0			1	N	—	<2	87	Y	
12	-003	1.0			1	N	—	<2	88	Y	
13	-004	1.0			1	N	—	<2	89	Y	
14	-005	1.0			1	N	—	<2	90	Y	
15	-006	1.0			1	N	—	<2	91	Y	
16	-007	1.0			1	N	—	<2	92	Y	
17	-008	1.0			1	N	—	<2	93	Y	
18	-009	1.0			1	N	—	<2	94	Y	
19	-010	1.0			1	N	—	<2	95	Y	
20	-011	1.0			1	N	—	<2	96	Y	
21	-012	1.0			1	N	—	<2	97	Y	
22	R2402277-002	1.0		7979	1	N	—	7	98	(N) Y	~~GC hit~~ FJ 3/25/24
23	-003	1.0			1	N	—	7	99	Y	
24	-004	1.0			1	N	—	7	F9000	Y	
25	-006	1.0			1	N	—	7	01	Y	
26	~~-008~~	~~2.5~~							02		
27	~~-009~~	~~2.5~~							~~03~~		~~FJ 3/22/24~~
28	-003MS	1.0			2	N	—	7	F004	Y	
29	-003MSD	1.0			3	N	—	7	05	Y	
30	BLK								06	—	
31									07	—	
32									08	—	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr: —

Surrogate 50: 234169

Internal Std 50: 234170

Reagents: —

T/G Primary 500: 233995 - 5uL/5mL

HSL Primary: 233996 -

Fr Primary: 233997 - (CCV)

OCC Primary: 232984 -

Primary:

Fr Secondary 200: 233929 - 5uL

T/G Secondary 500: 233998 - 2uL

HSL Secondary: 233928 - 5mL (LCS)

OCC Secondary: 234088 - 72.5uL - 5uL 5mL (SPK)

Secondary:

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Runlog-MSVOAr5 1/11/22

October 23, 2024 Service Request No:R2409108

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

Laboratory Results for: Dover Binghamton

Dear Ms.MacCarter, LSRP,

Enclosed are the results of the sample(s) submitted to our laboratory September 19, 2024
For your reference, these analyses have been assigned our service request number **R2409108.**

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 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

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

ALS Environmental

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

Service Request: R2409108
Date Received: 09/18/2024 - 09/19/2024

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.
Manual Integrations may have been used in the quantitation of the results in this report. Manual Integrations are readily identified in the raw data on the Quantitation Reports (Organics) by the automatic placement of an “m” next to the sample result. For Ion Chromatography, the manual integrations are identified by the automatic placement of “manipulated” or "manually integrated" in the upper left corner of the chromatogram (Hexavalent Chromium) or “M” by the result in the “Type” column (anions). The reason for the manual integration is noted on the “after” chromatogram, which is found with the original chromatogram and quantitation report. All integrations follow the lab SOP ADM-INT “Manual Integration.”

Sample Receipt:

Seventeen water samples were received for analysis at ALS Environmental on 09/18/2024 - 09/19/2024. 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.

Semivolatiles by GC/MS:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260D, R2409108-010,016: Sample(s) required dilution due to the nature of the matrix. The reporting limits are adjusted to reflect the dilution.

Method 8260: Samples are routinely tested for pH after analysis to confirm that any acid added was sufficient to reduce the pH to <2 to extend the holding time from 7 days to 14 days. The pH of the following sample(s) could not be determined due to the very dark color of the sample. R2409108-010,016

Approved by _____ Date 09/27/2024

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 **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2409108-001	TB-091624	9/16/2024	0000
R2409108-002	MW-9-091624	9/16/2024	1250
R2409108-003	TMP-A-091624	9/16/2024	1410
R2409108-004	MW-17-091624	9/16/2024	1455
R2409108-005	MW-14-091624	9/16/2024	1540
R2409108-006	FB-091624	9/16/2024	1730
R2409108-007	MW-10-091624	9/16/2024	1745
R2409108-008	DMW-4-091624	9/16/2024	1834
R2409108-009	MW-6-091724	9/17/2024	1030
R2409108-010	MW-16-091724	9/17/2024	1035
R2409108-011	DMW-3-091724	9/17/2024	1035
R2409108-012	MW-7-091724	9/17/2024	1220
R2409108-013	MW-8-091724	9/17/2024	1305
R2409108-014	DUP-091724	9/17/2024	0000
R2409108-015	FB-091724	9/17/2024	1330
R2409108-016	MW-11-091724	9/17/2024	1410
R2409108-017	MW-13-091724	9/17/2024	1655

Chain of Custody / Analytical Request Form

74539

SR#:

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

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Verina Consulting Group	Project Name: Dover Binghamton
Contact: Saran MacCarter	Project Number: 5101.0003
Email: SMaccarter@vcg-llc.com	ALS Quote #:
Phone: 908-864-4400	Sampler's Signature: Michael Valenzi
Address: 1011 US Highway 22, Suite 302	Email CC:
Bridgewater NJ, 08807	Email CC:
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0/1 = 0

Matrix: GW, WW, SW, DW, S, L, NA

Lab ID (ALS)	Sample ID:	Date	Time	Matrix	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	SSPL VOCs	1,4-Dioxane					Notes:
	TB-091624	9/16/24	00:00	GW	2									X						1
	MW-9-091624	9/16/24	12:50	GW	3									X						0
	TMP-A-091624	9/16/24	14:10	GW	3									X						1
	MW-17-091624	9/16/24	14:55	GW	3									X						0
	MW-14-091624	9/16/24	15:40	GW	4									X	X					1/0
	FB-091624	9/16/24	17:30	GW	4									X	X					1/0
	MW-10-091624	9/16/24	17:45	GW	3									X						1
	DMW-4-091624	9/16/24	18:34	GW	3									X						1
	MW-6-091724	9/17/24	10:30	GW	3									X						1
	MS-091724	9/17/24	00:00	GW	3	X								X						1

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Special Instructions / Comments:

- Sodium thiosulfate added to all unpreserved samples vials, except for jars to be analyzed for 1,4-Dioxane
- SSPL VOCs = "1,1-DCA", "1,1-DEE", "cis-1,2-DCE", "trans-1,2-DCE", "PCE", "TCE", "1,1,1-TCA", "VC"

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

X Tier II/Cat A - Results/QC
____Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: NYSDEC Equis

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #: 5101.0003
Company: Verina Consulting Group
Contact: Robert Gan
Email:
Ph
Add
B

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Michael Valenzi	Sarah S				
Printed Name	Michael Valenzi	Sarah S				
Company	VERINA	ALS				
Date/Time	9/17/24 17:10	9/18/24 835				

R2409108 5
Verina Consulting Group, LLC
Dover Binghamton

Distribution: White - Lab Copy; Yellow - Return to Originator

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Chain of Custody / Analytical Request Form

74538

SR#:

Page 2 of 2

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Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Verina Consulting Group	Project Name: Dover Binghamton
Contact: Saran MacCarter	Project Number: 5101.0003
Email: SMaccarter@Vcg-llc.com	ALS Quote #:
Phone: 908-864-4400	Sampler's Signature:
Address: 1011 US Highway 22 Suite 302 Bridgewater, NJ 08807	Email CC:
	Email CC:
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0/1 | 0

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	SSPL VOCs	1,4 - Dioxane	Notes:
	MSD - 091724	9/17/24	00:00	GW	3	X								X		1
	MW-16 - 091724	9/17/24	10:35	GW	5									X	X	0
	DMW-3 - 091724	9/17/24	10:55	GW	3									X		1
	MW-7 - 091724	9/17/24	12:20	GW	3									X		1
	MW-8 - 091724	9/17/24	13:05	GW	5									X	X	0
	DUP - 091724	9/17/24	00:00	GW	5									X	X	0
	FB - 091724	9/17/24	13:30	GW	4									X	X	1/0
	MW-11 - 091724	9/17/24	14:10	GW	3									X		0
	MW-13 - 091724	9/17/24	16:55	GW	3									X	X	1/0

Special Instructions / Comments:
- Sodium thiosulfate added to all unpreserved vials to be analyzed for SSPL VOCs, 1,4-Dioxane jars all have no preservative
- SSPL VOCs - "1,1-DCA", "1,1-DCE", "cis-1,2-DCE", "trans-1,2-DCE", "PCE", "TCE", "1,1,1-TCA", "VC"

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

Report Requirements
- X Tier II/Cat A - Results/QC
- ____ Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____ No
EDD Type: NYSDEC EQuIS

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)
PO #: 5101.0003
Company: Verina Consulting Group
Contact: Randy Gan
Email: RGan@Vcg-llc.com
Phone: 908-864-4400
Address: 1011 US Highway 22
Bridgewater, NJ

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Verina	Sarah S.				
Company	Michael Valenzi	ALS				
Date/Time	9/17/24 17:10	9/18/24 835				

Distribution: White - Lab Copy; Yellow - Return to Originator

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R2409108 5
Verina Consulting Group, LLC
Dover Binghamton

Cooler Receipt and Preservation Check Form

Project/Client Verina Folder Number

Cooler received on 9/18/24 by: SES

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y N		5a	Did **VOA** vials have sig* **bubbles?**	Y N NA	
2	**Custody papers** properly completed (ink, signed)?	Y N		5b	Sig* bubbles: **Alk?**	Y N NA	**Sulfide?** Y N NA
3	Did all bottles arrive in good **condition** (unbroken)?	Y N		6	Where did the bottles originate?	ALS/ROC CLIENT	
4	Circle: **Wet Ice Dry Ice Gel packs** present?	Y N		7	Soil VOA received as:	Bulk Encore 5035set NA	

8: Temperature Readings Date: 9/18/24 Time: 0852 ID: IR#12 IR#1 From: Temp Blank Sample Bottle

Temp (°C)	4.5						
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: SMO by SES on 9/18/24 at 853
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/18/24 Time: 14:02 by: AA/GE

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

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_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 $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 012924-1GJ, 061024-3AWA, 051324-3AX1H

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: _____ *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

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

REPORT QUALIFIERS AND DEFINITIONS

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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	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.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: 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 Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Texas ID#T104704581
Virginia #460167

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

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

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

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003		

Sample Name:	TB-091624	**Date Collected:**	09/16/24
Lab Code:	R2409108-001	**Date Received:**	09/18/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Sample Name:	MW-9-091624	**Date Collected:**	09/16/24
Lab Code:	R2409108-002	**Date Received:**	09/18/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Sample Name:	TMP-A-091624	**Date Collected:**	09/16/24
Lab Code:	R2409108-003	**Date Received:**	09/18/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Sample Name:	MW-17-091624	**Date Collected:**	09/16/24
Lab Code:	R2409108-004	**Date Received:**	09/18/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Sample Name:	MW-14-091624	**Date Collected:**	09/16/24
Lab Code:	R2409108-005	**Date Received:**	09/18/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Client: Verina Consulting Group, LLC
Project: Dover Binghamton/5101.0003
Service Request: R2409108

Sample Name: MW-14-091624
Lab Code: R2409108-005
Sample Matrix: Water
Date Collected: 09/16/24
Date Received: 09/18/24

Analysis Method	Extracted/Digested By	Analyzed By
8270E SIM	KPROCOPIO	KPROCOPIO

Sample Name: FB-091624
Lab Code: R2409108-006
Sample Matrix: Water
Date Collected: 09/16/24
Date Received: 09/18/24

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST
8270E SIM	KPROCOPIO	KPROCOPIO

Sample Name: MW-10-091624
Lab Code: R2409108-007
Sample Matrix: Water
Date Collected: 09/16/24
Date Received: 09/18/24

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Sample Name: DMW-4-091624
Lab Code: R2409108-008
Sample Matrix: Water
Date Collected: 09/16/24
Date Received: 09/18/24

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Client: Verina Consulting Group, LLC
Project: Dover Binghamton/5101.0003
Service Request: R2409108

Sample Name: MW-6-091724
Lab Code: R2409108-009
Sample Matrix: Water
Date Collected: 09/17/24
Date Received: 09/18/24

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Sample Name: MW-16-091724
Lab Code: R2409108-010
Sample Matrix: Water
Date Collected: 09/17/24
Date Received: 09/18/24

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST
8270E SIM	KPROCOPIO	KPROCOPIO

Sample Name: DMW-3-091724
Lab Code: R2409108-011
Sample Matrix: Water
Date Collected: 09/17/24
Date Received: 09/18/24

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Sample Name: MW-7-091724
Lab Code: R2409108-012
Sample Matrix: Water
Date Collected: 09/17/24
Date Received: 09/18/24

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton/5101.0003

Sample Name: MW-8-091724 **Date Collected:** 09/17/24
Lab Code: R2409108-013 **Date Received:** 09/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST
8270E SIM	KPROCOPIO	KPROCOPIO

Sample Name: DUP-091724 **Date Collected:** 09/17/24
Lab Code: R2409108-014 **Date Received:** 09/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST
8270E SIM	KPROCOPIO	KPROCOPIO

Sample Name: FB-091724 **Date Collected:** 09/17/24
Lab Code: R2409108-015 **Date Received:** 09/18/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST
8270E SIM	KPROCOPIO	KPROCOPIO

Sample Name: MW-11-091724 **Date Collected:** 09/17/24
Lab Code: R2409108-016 **Date Received:** 09/19/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003		

Sample Name:	MW-13-091724	**Date Collected:**	09/17/24
Lab Code:	R2409108-017	**Date Received:**	09/18/24
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260D		KRUEST
8270E SIM	KPROCOPIO	KPROCOPIO

PREPARATION METHODS

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

INORGANIC

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C or 6010D	3005A/3010A
6020A or 6020B	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-N-2016 Amenable and Residual Cyanide	SM 4500-CN-G and SM 4500-CN-B,C-2016
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C or 6010D	3050B
6020A or 6020B	3050B
6010C or 6010D TCLP (1311) extract	3005A/3010A
6010C or 6010D 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.	

ORGANIC

Preparation Methods for Organic methods are listed in the header of the Results pages.

Regarding "Bulk/5035A":
For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.

Sample Results

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

Volatile Organic Compounds by GC/MS

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

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 12:50
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-9-091624	**Units:**	ug/L
Lab Code:	R2409108-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.30**	**J**	1.0	0.20	1	09/20/24 18:20	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/20/24 18:20	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/20/24 18:20	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/20/24 18:20	
Trichloroethene (TCE)	**3.8**		1.0	0.20	1	09/20/24 18:20	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/20/24 18:20	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/20/24 18:20	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/20/24 18:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/20/24 18:20	
Dibromofluoromethane	95	80 - 116	09/20/24 18:20	
Toluene-d8	99	87 - 121	09/20/24 18:20	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 14:55
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-17-091624	**Units:**	ug/L
Lab Code:	R2409108-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**1.5**	1.0	0.20	1	09/20/24 18:43	
1,1-Dichloroethane (1,1-DCA)	**23**	1.0	0.20	1	09/20/24 18:43	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/24 18:43	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/24 18:43	
Trichloroethene (TCE)	**6.1**	1.0	0.20	1	09/20/24 18:43	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/24 18:43	
cis-1,2-Dichloroethene	**27**	1.0	0.23	1	09/20/24 18:43	
trans-1,2-Dichloroethene	**1.0**	1.0	0.20	1	09/20/24 18:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/20/24 18:43	
Dibromofluoromethane	97	80 - 116	09/20/24 18:43	
Toluene-d8	99	87 - 121	09/20/24 18:43	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 10:35
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-16-091724	**Units:**	ug/L
Lab Code:	R2409108-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**7.4 J**	10	2.0	10	09/20/24 19:29	
1,1-Dichloroethane (1,1-DCA)	**16**	10	2.0	10	09/20/24 19:29	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/20/24 19:29	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/20/24 19:29	
Trichloroethene (TCE)	10 U	10	2.0	10	09/20/24 19:29	
Vinyl Chloride	10 U	10	2.0	10	09/20/24 19:29	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/20/24 19:29	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/20/24 19:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	09/20/24 19:29	
Dibromofluoromethane	97	80 - 116	09/20/24 19:29	
Toluene-d8	103	87 - 121	09/20/24 19:29	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 13:05
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-8-091724	**Units:**	ug/L
Lab Code:	R2409108-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**2.5**	1.0	0.20	1	09/23/24 14:39	
1,1-Dichloroethane (1,1-DCA)	**3.4**	1.0	0.20	1	09/23/24 14:39	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 14:39	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 14:39	
Trichloroethene (TCE)	**0.84 J**	1.0	0.20	1	09/23/24 14:39	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 14:39	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 14:39	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 14:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/23/24 14:39	
Dibromofluoromethane	96	80 - 116	09/23/24 14:39	
Toluene-d8	100	87 - 121	09/23/24 14:39	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 00:00
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	DUP-091724	**Units:**	ug/L
Lab Code:	R2409108-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**2.7**	1.0	0.20	1	09/20/24 19:06	
1,1-Dichloroethane (1,1-DCA)	**3.5**	1.0	0.20	1	09/20/24 19:06	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/24 19:06	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/24 19:06	
Trichloroethene (TCE)	**0.67 J**	1.0	0.20	1	09/20/24 19:06	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/24 19:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/24 19:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/24 19:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/20/24 19:06	
Dibromofluoromethane	98	80 - 116	09/20/24 19:06	
Toluene-d8	101	87 - 121	09/20/24 19:06	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 14:10
Sample Matrix:	Water	**Date Received:**	09/19/24 08:00
Sample Name:	MW-11-091724	**Units:**	ug/L
Lab Code:	R2409108-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	10	2.0	10	09/20/24 19:52	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/20/24 19:52	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/20/24 19:52	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/20/24 19:52	
Trichloroethene (TCE)	10 U	10	2.0	10	09/20/24 19:52	
Vinyl Chloride	10 U	10	2.0	10	09/20/24 19:52	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/20/24 19:52	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/20/24 19:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	09/20/24 19:52	
Dibromofluoromethane	97	80 - 116	09/20/24 19:52	
Toluene-d8	101	87 - 121	09/20/24 19:52	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 00:00
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	TB-091624	**Units:**	ug/L
Lab Code:	R2409108-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 17:20	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 17:20	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 17:20	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 17:20	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 17:20	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 17:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 17:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 17:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/23/24 17:20	
Dibromofluoromethane	98	80 - 116	09/23/24 17:20	
Toluene-d8	101	87 - 121	09/23/24 17:20	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 14:10
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	TMP-A-091624	**Units:**	ug/L
Lab Code:	R2409108-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.26 J**	1.0	0.20	1	09/23/24 18:06	
1,1-Dichloroethane (1,1-DCA)	**0.39 J**	1.0	0.20	1	09/23/24 18:06	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 18:06	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 18:06	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 18:06	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 18:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 18:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 18:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/23/24 18:06	
Dibromofluoromethane	97	80 - 116	09/23/24 18:06	
Toluene-d8	102	87 - 121	09/23/24 18:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 15:40
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-14-091624	**Units:**	ug/L
Lab Code:	R2409108-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 19:38	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 19:38	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 19:38	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 19:38	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 19:38	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 19:38	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 19:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 19:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/23/24 19:38	
Dibromofluoromethane	95	80 - 116	09/23/24 19:38	
Toluene-d8	100	87 - 121	09/23/24 19:38	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 17:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	FB-091624	**Units:**	ug/L
Lab Code:	R2409108-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 18:29	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 18:29	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 18:29	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 18:29	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 18:29	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 18:29	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 18:29	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 18:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/23/24 18:29	
Dibromofluoromethane	97	80 - 116	09/23/24 18:29	
Toluene-d8	99	87 - 121	09/23/24 18:29	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 17:45
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-10-091624	**Units:**	ug/L
Lab Code:	R2409108-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**1.6**	1.0	0.20	1	09/23/24 20:01	
1,1-Dichloroethane (1,1-DCA)	**0.49 J**	1.0	0.20	1	09/23/24 20:01	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 20:01	
Tetrachloroethene (PCE)	**0.76 J**	1.0	0.21	1	09/23/24 20:01	
Trichloroethene (TCE)	**9.8**	1.0	0.20	1	09/23/24 20:01	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 20:01	
cis-1,2-Dichloroethene	**2.1**	1.0	0.23	1	09/23/24 20:01	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 20:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/23/24 20:01	
Dibromofluoromethane	97	80 - 116	09/23/24 20:01	
Toluene-d8	101	87 - 121	09/23/24 20:01	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 18:34
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	DMW-4-091624	**Units:**	ug/L
Lab Code:	R2409108-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 20:24	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 20:24	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 20:24	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 20:24	
Trichloroethene (TCE)	**0.22 J**	1.0	0.20	1	09/23/24 20:24	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 20:24	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 20:24	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 20:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/23/24 20:24	
Dibromofluoromethane	96	80 - 116	09/23/24 20:24	
Toluene-d8	100	87 - 121	09/23/24 20:24	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 10:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-6-091724	**Units:**	ug/L
Lab Code:	R2409108-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/24/24 00:14	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/24 00:14	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/24 00:14	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/24 00:14	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/24 00:14	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/24 00:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/24 00:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/24 00:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/24/24 00:14	
Dibromofluoromethane	96	80 - 116	09/24/24 00:14	
Toluene-d8	100	87 - 121	09/24/24 00:14	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 10:35
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	DMW-3-091724	**Units:**	ug/L
Lab Code:	R2409108-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 18:52	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 18:52	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 18:52	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 18:52	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 18:52	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 18:52	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 18:52	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 18:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/23/24 18:52	
Dibromofluoromethane	97	80 - 116	09/23/24 18:52	
Toluene-d8	99	87 - 121	09/23/24 18:52	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 12:20
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-7-091724	**Units:**	ug/L
Lab Code:	R2409108-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 20:47	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 20:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 20:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 20:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 20:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 20:47	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 20:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 20:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/23/24 20:47	
Dibromofluoromethane	96	80 - 116	09/23/24 20:47	
Toluene-d8	100	87 - 121	09/23/24 20:47	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 13:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	FB-091724	**Units:**	ug/L
Lab Code:	R2409108-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 17:43	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 17:43	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 17:43	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 17:43	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 17:43	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 17:43	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 17:43	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 17:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/23/24 17:43	
Dibromofluoromethane	97	80 - 116	09/23/24 17:43	
Toluene-d8	101	87 - 121	09/23/24 17:43	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 16:55
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-13-091724	**Units:**	ug/L
Lab Code:	R2409108-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 19:15	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 19:15	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 19:15	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 19:15	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 19:15	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 19:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 19:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 19:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/23/24 19:15	
Dibromofluoromethane	100	80 - 116	09/23/24 19:15	
Toluene-d8	104	87 - 121	09/23/24 19:15	

Semivolatile Organic Compounds by GC/MS

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

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 15:40
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-14-091624	**Units:**	ug/L
Lab Code:	R2409108-005	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.035	1	09/23/24 15:56	9/23/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	97	64 - 124	09/23/24 15:56	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 17:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	FB-091624	**Units:**	ug/L
Lab Code:	R2409108-006	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.035	1	09/23/24 16:13	9/23/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	115	64 - 124	09/23/24 16:13	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 10:35
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-16-091724	**Units:**	ug/L
Lab Code:	R2409108-010	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**1.1**	0.80	0.70	1	09/24/24 15:06	9/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	73	64 - 124	09/24/24 15:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 13:05
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-8-091724	**Units:**	ug/L
Lab Code:	R2409108-013	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.80 U	0.80	0.70	1	09/24/24 15:23	9/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	85	64 - 124	09/24/24 15:23	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 13:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	FB-091724	**Units:**	ug/L
Lab Code:	R2409108-015	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.035	1	09/23/24 16:31	9/23/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	118	64 - 124	09/23/24 16:31	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 16:55
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-13-091724	**Units:**	ug/L
Lab Code:	R2409108-017	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.089**	0.040	0.035	1	09/23/24 16:48	9/23/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	92	64 - 124	09/23/24 16:48	

QC Summary Forms

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

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton/5101.0003
Sample Matrix: Water

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

Analysis Method: 8260D
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
MW-9-091624	R2409108-002	97	95	99
MW-17-091624	R2409108-004	97	97	99
MW-16-091724	R2409108-010	104	97	103
MW-8-091724	R2409108-013	100	96	100
DUP-091724	R2409108-014	101	98	101
MW-11-091724	R2409108-016	103	97	101
Lab Control Sample	RQ2411864-03	101	102	101
Method Blank	RQ2411864-04	101	98	101
Lab Control Sample	RQ2411972-02	102	99	100
Method Blank	RQ2411972-04	99	97	98

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/20/24 12:58
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name:	Method Blank	**Instrument ID:**	R-MS-17
Lab Code:	RQ2411864-04	**File ID:**	I:\ACQUDATA\MSVOA17\Data\092024\K6118.D\
Analysis Method:	8260D	**Analysis Lot:**	854794
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2411864-03	I:\ACQUDATA\MSVOA17\Data\092024\K6116.D	09/20/24 12:01
MW-9-091624	R2409108-002	I:\ACQUDATA\MSVOA17\Data\092024\K6132.D\	09/20/24 18:20
MW-17-091624	R2409108-004	I:\ACQUDATA\MSVOA17\Data\092024\K6133.D\	09/20/24 18:43
DUP-091724	R2409108-014	I:\ACQUDATA\MSVOA17\Data\092024\K6134.D\	09/20/24 19:06
MW-16-091724	R2409108-010	I:\ACQUDATA\MSVOA17\Data\092024\K6135.D\	09/20/24 19:29
MW-11-091724	R2409108-016	I:\ACQUDATA\MSVOA17\Data\092024\K6136.D\	09/20/24 19:52

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/23/24 12:10
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name:	Method Blank	**Instrument ID:**	R-MS-17
Lab Code:	RQ2411972-04	**File ID:**	I:\ACQUDATA\MSVOA17\Data\092324\K6198.D\
Analysis Method:	8260D	**Analysis Lot:**	854958
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2411972-02	I:\ACQUDATA\MSVOA17\Data\092324 \K6195.D\	09/23/24 11:01
MW-8-091724	R2409108-013	I:\ACQUDATA\MSVOA17\Data\092324 \K6204.D\	09/23/24 14:39

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2411864-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
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	09/20/24 12:58	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/20/24 12:58	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/24 12:58	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/24 12:58	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/20/24 12:58	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/24 12:58	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/24 12:58	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/24 12:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/20/24 12:58	
Dibromofluoromethane	98	80 - 116	09/20/24 12:58	
Toluene-d8	101	87 - 121	09/20/24 12:58	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2411972-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
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	09/23/24 12:10	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 12:10	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 12:10	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 12:10	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 12:10	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 12:10	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 12:10	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 12:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/23/24 12:10	
Dibromofluoromethane	97	80 - 116	09/23/24 12:10	
Toluene-d8	98	87 - 121	09/23/24 12:10	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/20/24 12:01
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name: Lab Control Sample
Lab Code: RQ2411864-03
Instrument ID: R-MS-17
File ID: I:\ACQUDATA\MSVOA17\Data\092024\K6116.D\

Analysis Method: 8260D
Prep Method: EPA 5030C
Analysis Lot: 854794

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2411864-04	I:\ACQUDATA\MSVOA17\Data\092024\K6118.D	09/20/24 12:58
MW-9-091624	R2409108-002	I:\ACQUDATA\MSVOA17\Data\092024\K6132.D\	09/20/24 18:20
MW-17-091624	R2409108-004	I:\ACQUDATA\MSVOA17\Data\092024\K6133.D\	09/20/24 18:43
DUP-091724	R2409108-014	I:\ACQUDATA\MSVOA17\Data\092024\K6134.D\	09/20/24 19:06
MW-16-091724	R2409108-010	I:\ACQUDATA\MSVOA17\Data\092024\K6135.D\	09/20/24 19:29
MW-11-091724	R2409108-016	I:\ACQUDATA\MSVOA17\Data\092024\K6136.D\	09/20/24 19:52

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/23/24 11:01
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-17
Lab Code:	RQ2411972-02	**File ID:**	I:\ACQUDATA\MSVOA17\Data\092324\K6195.D\
Analysis Method:	8260D	**Analysis Lot:**	854958
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2411972-04	I:\ACQUDATA\MSVOA17\Data\092324 \K6198.D\	09/23/24 12:10
MW-8-091724	R2409108-013	I:\ACQUDATA\MSVOA17\Data\092324 \K6204.D\	09/23/24 14:39

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

Service Request: R2409108
Date Analyzed: 09/20/24

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2411864-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260D	18.1	20.0	90	75-125
1,1-Dichloroethane (1,1-DCA)	8260D	19.0	20.0	95	80-124
1,1-Dichloroethene (1,1-DCE)	8260D	18.8	20.0	94	71-118
Tetrachloroethene (PCE)	8260D	18.6	20.0	93	72-125
Trichloroethene (TCE)	8260D	18.9	20.0	95	74-122
Vinyl Chloride	8260D	20.3	20.0	101	74-159
cis-1,2-Dichloroethene	8260D	20.0	20.0	100	80-121
trans-1,2-Dichloroethene	8260D	18.4	20.0	92	73-118

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

Service Request: R2409108
Date Analyzed: 09/23/24

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2411972-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260D	16.5	20.0	83	75-125
1,1-Dichloroethane (1,1-DCA)	8260D	16.6	20.0	83	80-124
1,1-Dichloroethene (1,1-DCE)	8260D	16.4	20.0	82	71-118
Tetrachloroethene (PCE)	8260D	16.4	20.0	82	72-125
Trichloroethene (TCE)	8260D	17.1	20.0	85	74-122
Vinyl Chloride	8260D	16.9	20.0	85	74-159
cis-1,2-Dichloroethene	8260D	17.7	20.0	89	80-121
trans-1,2-Dichloroethene	8260D	15.9	20.0	80	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/20/24 11:28

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA17\Data\092024\K6115.D\ **Analytical Method:** 8260D
Instrument ID: R-MS-17 **Analysis Lot:** 854794

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2411864-02	I:\ACQUDATA\MSVOA17\Data\092024\K6115.D\	09/20/24 11:28	
Lab Control Sample	RQ2411864-03	I:\ACQUDATA\MSVOA17\Data\092024\K6116.D\	09/20/24 12:01	
Method Blank	RQ2411864-04	I:\ACQUDATA\MSVOA17\Data\092024\K6118.D\	09/20/24 12:58	
MW-9-091624	R2409108-002	I:\ACQUDATA\MSVOA17\Data\092024\K6132.D\	09/20/24 18:20	
MW-17-091624	R2409108-004	I:\ACQUDATA\MSVOA17\Data\092024\K6133.D\	09/20/24 18:43	
DUP-091724	R2409108-014	I:\ACQUDATA\MSVOA17\Data\092024\K6134.D\	09/20/24 19:06	
MW-16-091724	R2409108-010	I:\ACQUDATA\MSVOA17\Data\092024\K6135.D\	09/20/24 19:29	
MW-11-091724	R2409108-016	I:\ACQUDATA\MSVOA17\Data\092024\K6136.D\	09/20/24 19:52	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 10:28

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\ **Analytical Method:** 8260D
Instrument ID: R-MS-17 **Analysis Lot:** 854958

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2411972-01	I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\	09/23/24 10:28	
Lab Control Sample	RQ2411972-02	I:\ACQUDATA\MSVOA17\Data\092324\K6195.D\	09/23/24 11:01	
Method Blank	RQ2411972-04	I:\ACQUDATA\MSVOA17\Data\092324\K6198.D\	09/23/24 12:10	
MW-8-091724	R2409108-013	I:\ACQUDATA\MSVOA17\Data\092324\K6204.D\	09/23/24 14:39	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/20/24 11:28

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

File ID: I:\ACQUDATA\MSVOA17\Data\092024\K6115.D\ **Lab Code:**RQ2411864-02
Instrument ID: R-MS-17 **Analysis Lot:**854794
Analysis Method: 8260D **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	296,492	11.64	642,201	6.17	558,058	9.57
	Upper Limit ==>	592,984	11.81	1,284,402	6.34	1,116,116	9.74
	Lower Limit ==>	148,246	11.47	321,101	6.00	279,029	9.40
Associated Analyses							
Lab Control Sample	RQ2411864-03	285854	11.64	635365	6.17	545775	9.57
Method Blank	RQ2411864-04	274995	11.64	632320	6.17	538804	9.57
MW-9-091624	R2409108-002	278352	11.64	634671	6.17	537972	9.57
MW-17-091624	R2409108-004	290010	11.64	647285	6.17	556870	9.57
DUP-091724	R2409108-014	287197	11.64	642541	6.17	548859	9.57
MW-16-091724	R2409108-010	282698	11.64	639999	6.17	548074	9.57
MW-11-091724	R2409108-016	287261	11.64	640532	6.17	554188	9.57

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/20/24 11:28

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

File ID: I:\ACQUDATA\MSVOA17\Data\092024\K6115.D\ **Lab Code:**RQ2411864-02
Instrument ID: R-MS-17 **Analysis Lot:**854794
Analysis Method: 8260D **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	424,846	4.99
	Upper Limit ==>	849,692	5.16
	Lower Limit ==>	212,423	4.82
Associated Analyses			
Lab Control Sample	RQ2411864-03	421574	4.99
Method Blank	RQ2411864-04	412388	4.99
MW-9-091624	R2409108-002	418993	4.99
MW-17-091624	R2409108-004	420879	4.99
DUP-091724	R2409108-014	425439	4.99
MW-16-091724	R2409108-010	421777	5.00
MW-11-091724	R2409108-016	424136	4.99

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 10:28

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

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\ **Lab Code:**RQ2411972-01
Instrument ID: R-MS-17 **Analysis Lot:**854958
Analysis Method: 8260D **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	276,300	11.64	614,550	6.17	531,019	9.57
	Upper Limit ==>	552,600	11.81	1,229,100	6.34	1,062,038	9.74
	Lower Limit ==>	138,150	11.47	307,275	6.00	265,510	9.40
Associated Analyses							
Lab Control Sample	RQ2411972-02	287224	11.64	631458	6.17	544037	9.57
Method Blank	RQ2411972-04	280649	11.64	638151	6.17	545084	9.57
MW-8-091724	R2409108-013	282778	11.64	626085	6.18	540951	9.57

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 10:28

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

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\ **Lab Code:**RQ2411972-01
Instrument ID: R-MS-17 **Analysis Lot:**854958
Analysis Method: 8260D **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	406,599	4.99
	Upper Limit ==>	813,198	5.16
	Lower Limit ==>	203,300	4.82
Associated Analyses			
Lab Control Sample	RQ2411972-02	417102	4.99
Method Blank	RQ2411972-04	418284	5.00
MW-8-091724	R2409108-013	407218	4.99

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton/5101.0003
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
TB-091624	R2409108-001	98	98	101
TMP-A-091624	R2409108-003	100	97	102
MW-14-091624	R2409108-005	101	95	100
FB-091624	R2409108-006	99	97	99
MW-10-091624	R2409108-007	101	97	101
DMW-4-091624	R2409108-008	97	96	100
MW-6-091724	R2409108-009	101	96	100
DMW-3-091724	R2409108-011	97	97	99
MW-7-091724	R2409108-012	98	96	100
FB-091724	R2409108-015	102	97	101
MW-13-091724	R2409108-017	102	100	104
Lab Control Sample	RQ2411972-03	104	102	101
Method Blank	RQ2411972-05	100	97	101
Lab Control Sample	RQ2411978-02	103	103	101
Method Blank	RQ2411978-03	98	100	101
MW-6-091724 MS	RQ2411978-04	105	101	102
MW-6-091724 DMS	RQ2411978-05	100	105	101

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24
Sample Matrix:	Water	**Date Received:**	09/18/24
		Date Analyzed:	09/24/24
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-6-091724	**Units:**	ug/L
Lab Code:	R2409108-009	**Basis:**	NA
Analysis Method:	8260D		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2411978-04			Duplicate Matrix Spike RQ2411978-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	1.0 U	50.6	50.0	101	52.8	50.0	106	74-127	4	30
1,1-Dichloroethane (1,1-DCA)	1.0 U	48.3	50.0	97	50.9	50.0	102	74-132	5	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	50.7	50.0	101	50.7	50.0	101	71-118	<1	30
Tetrachloroethene (PCE)	1.0 U	47.1	50.0	94	49.5	50.0	99	72-125	5	30
Trichloroethene (TCE)	1.0 U	50.2	50.0	100	50.9	50.0	102	74-122	1	30
Vinyl Chloride	1.0 U	50.8	50.0	102	51.6	50.0	103	74-159	1	30
cis-1,2-Dichloroethene	1.0 U	52.1	50.0	104	53.6	50.0	107	77-127	3	30
trans-1,2-Dichloroethene	1.0 U	47.0	50.0	94	48.3	50.0	97	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.

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/23/24 12:33
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-17
Lab Code:	RQ2411972-05	**File ID:**	I:\ACQUDATA\MSVOA17\Data\092324\K6199.D\
Analysis Method:	8260D	**Analysis Lot:**	854958
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2411972-03	I:\ACQUDATA\MSVOA17\Data\092324 \K6196.D\	09/23/24 11:24
TB-091624	R2409108-001	I:\ACQUDATA\MSVOA17\Data\092324\K6211.D\	09/23/24 17:20
FB-091724	R2409108-015	I:\ACQUDATA\MSVOA17\Data\092324 \K6212.D\	09/23/24 17:43
TMP-A-091624	R2409108-003	I:\ACQUDATA\MSVOA17\Data\092324 \K6213.D\	09/23/24 18:06
FB-091624	R2409108-006	I:\ACQUDATA\MSVOA17\Data\092324 \K6214.D\	09/23/24 18:29
DMW-3-091724	R2409108-011	I:\ACQUDATA\MSVOA17\Data\092324 \K6215.D\	09/23/24 18:52
MW-13-091724	R2409108-017	I:\ACQUDATA\MSVOA17\Data\092324 \K6216.D\	09/23/24 19:15
MW-14-091624	R2409108-005	I:\ACQUDATA\MSVOA17\Data\092324 \K6217.D\	09/23/24 19:38
MW-10-091624	R2409108-007	I:\ACQUDATA\MSVOA17\Data\092324 \K6218.D\	09/23/24 20:01
DMW-4-091624	R2409108-008	I:\ACQUDATA\MSVOA17\Data\092324 \K6219.D\	09/23/24 20:24
MW-7-091724	R2409108-012	I:\ACQUDATA\MSVOA17\Data\092324 \K6220.D\	09/23/24 20:47

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/23/24 23:51
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2411978-03
Instrument ID: R-MS-17
File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6228.D\

Analysis Method: 8260D
Prep Method: EPA 5030C
Analysis Lot: 855028

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2411978-02	I:\ACQUDATA\MSVOA17\Data\092324 \K6225.D\	09/23/24 22:42
MW-6-091724	R2409108-009	I:\ACQUDATA\MSVOA17\Data\092324 \K6229.D\	09/24/24 00:14
MW-6-091724MS	RQ2411978-04	I:\ACQUDATA\MSVOA17\Data\092324 \K6249.D\	09/24/24 07:53
MW-6-091724DMS	RQ2411978-05	I:\ACQUDATA\MSVOA17\Data\092324 \K6250.D\	09/24/24 08:16

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2411972-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 12:33	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 12:33	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 12:33	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 12:33	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 12:33	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 12:33	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 12:33	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 12:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/23/24 12:33	
Dibromofluoromethane	97	80 - 116	09/23/24 12:33	
Toluene-d8	101	87 - 121	09/23/24 12:33	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2411978-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 23:51	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 23:51	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 23:51	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 23:51	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 23:51	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 23:51	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 23:51	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 23:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/23/24 23:51	
Dibromofluoromethane	100	80 - 116	09/23/24 23:51	
Toluene-d8	101	87 - 121	09/23/24 23:51	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/23/24 11:24
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample **Instrument ID:** R-MS-17
Lab Code: RQ2411972-03 **File ID:** I:\ACQUDATA\MSVOA17\Data\092324\K6196.D\

Analysis Method: 8260D **Analysis Lot:** 854958
Prep Method: EPA 5030C

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2411972-05	I:\ACQUDATA\MSVOA17\Data\092324 \K6199.D\	09/23/24 12:33
TB-091624	R2409108-001	I:\ACQUDATA\MSVOA17\Data\092324\K6211.D\	09/23/24 17:20
FB-091724	R2409108-015	I:\ACQUDATA\MSVOA17\Data\092324 \K6212.D\	09/23/24 17:43
TMP-A-091624	R2409108-003	I:\ACQUDATA\MSVOA17\Data\092324 \K6213.D\	09/23/24 18:06
FB-091624	R2409108-006	I:\ACQUDATA\MSVOA17\Data\092324 \K6214.D\	09/23/24 18:29
DMW-3-091724	R2409108-011	I:\ACQUDATA\MSVOA17\Data\092324 \K6215.D\	09/23/24 18:52
MW-13-091724	R2409108-017	I:\ACQUDATA\MSVOA17\Data\092324 \K6216.D\	09/23/24 19:15
MW-14-091624	R2409108-005	I:\ACQUDATA\MSVOA17\Data\092324 \K6217.D\	09/23/24 19:38
MW-10-091624	R2409108-007	I:\ACQUDATA\MSVOA17\Data\092324 \K6218.D\	09/23/24 20:01
DMW-4-091624	R2409108-008	I:\ACQUDATA\MSVOA17\Data\092324 \K6219.D\	09/23/24 20:24
MW-7-091724	R2409108-012	I:\ACQUDATA\MSVOA17\Data\092324 \K6220.D\	09/23/24 20:47

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/23/24 22:42
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-17
Lab Code:	RQ2411978-02	**File ID:**	I:\ACQUDATA\MSVOA17\Data\092324\K6225.D\
Analysis Method:	8260D	**Analysis Lot:**	855028
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2411978-03	I:\ACQUDATA\MSVOA17\Data\092324 \K6228.D\	09/23/24 23:51
MW-6-091724	R2409108-009	I:\ACQUDATA\MSVOA17\Data\092324 \K6229.D\	09/24/24 00:14
MW-6-091724MS	RQ2411978-04	I:\ACQUDATA\MSVOA17\Data\092324 \K6249.D\	09/24/24 07:53
MW-6-091724DMS	RQ2411978-05	I:\ACQUDATA\MSVOA17\Data\092324 \K6250.D\	09/24/24 08:16

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

Service Request: R2409108
Date Analyzed: 09/23/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2411972-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260D	19.3	20.0	96	75-125
1,1-Dichloroethane (1,1-DCA)	8260D	19.3	20.0	97	80-124
1,1-Dichloroethene (1,1-DCE)	8260D	20.0	20.0	100	71-118
Tetrachloroethene (PCE)	8260D	19.1	20.0	95	72-125
Trichloroethene (TCE)	8260D	19.9	20.0	99	74-122
Vinyl Chloride	8260D	19.7	20.0	98	74-159
cis-1,2-Dichloroethene	8260D	20.5	20.0	103	80-121
trans-1,2-Dichloroethene	8260D	18.6	20.0	93	73-118

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

Service Request: R2409108
Date Analyzed: 09/23/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2411978-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260D	19.8	20.0	99	75-125
1,1-Dichloroethane (1,1-DCA)	8260D	19.3	20.0	96	80-124
1,1-Dichloroethene (1,1-DCE)	8260D	20.1	20.0	100	71-118
Tetrachloroethene (PCE)	8260D	19.4	20.0	97	72-125
Trichloroethene (TCE)	8260D	20.1	20.0	100	74-122
Vinyl Chloride	8260D	20.6	20.0	103	74-159
cis-1,2-Dichloroethene	8260D	21.6	20.0	108	80-121
trans-1,2-Dichloroethene	8260D	19.1	20.0	96	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 10:28

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\ **Analytical Method:** 8260D
Instrument ID: R-MS-17 **Analysis Lot:** 854958

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2411972-01	I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\	09/23/24 10:28	
Lab Control Sample	RQ2411972-03	I:\ACQUDATA\MSVOA17\Data\092324\K6196.D\	09/23/24 11:24	
Method Blank	RQ2411972-05	I:\ACQUDATA\MSVOA17\Data\092324\K6199.D\	09/23/24 12:33	
TB-091624	R2409108-001	I:\ACQUDATA\MSVOA17\Data\092324\K6211.D\	09/23/24 17:20	
FB-091724	R2409108-015	I:\ACQUDATA\MSVOA17\Data\092324\K6212.D\	09/23/24 17:43	
TMP-A-091624	R2409108-003	I:\ACQUDATA\MSVOA17\Data\092324\K6213.D\	09/23/24 18:06	
FB-091624	R2409108-006	I:\ACQUDATA\MSVOA17\Data\092324\K6214.D\	09/23/24 18:29	
DMW-3-091724	R2409108-011	I:\ACQUDATA\MSVOA17\Data\092324\K6215.D\	09/23/24 18:52	
MW-13-091724	R2409108-017	I:\ACQUDATA\MSVOA17\Data\092324\K6216.D\	09/23/24 19:15	
MW-14-091624	R2409108-005	I:\ACQUDATA\MSVOA17\Data\092324\K6217.D\	09/23/24 19:38	
MW-10-091624	R2409108-007	I:\ACQUDATA\MSVOA17\Data\092324\K6218.D\	09/23/24 20:01	
DMW-4-091624	R2409108-008	I:\ACQUDATA\MSVOA17\Data\092324\K6219.D\	09/23/24 20:24	
MW-7-091724	R2409108-012	I:\ACQUDATA\MSVOA17\Data\092324\K6220.D\	09/23/24 20:47	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 22:19

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6224.D\ **Analytical Method:** 8260D
Instrument ID: R-MS-17 **Analysis Lot:** 855028

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2411978-01	I:\ACQUDATA\MSVOA17\Data\092324\K6224.D\	09/23/24 22:19	
Lab Control Sample	RQ2411978-02	I:\ACQUDATA\MSVOA17\Data\092324\K6225.D\	09/23/24 22:42	
Method Blank	RQ2411978-03	I:\ACQUDATA\MSVOA17\Data\092324\K6228.D\	09/23/24 23:51	
MW-6-091724	R2409108-009	I:\ACQUDATA\MSVOA17\Data\092324\K6229.D\	09/24/24 00:14	
MW-6-091724	RQ2411978-04	I:\ACQUDATA\MSVOA17\Data\092324\K6249.D\	09/24/24 07:53	
MW-6-091724	RQ2411978-05	I:\ACQUDATA\MSVOA17\Data\092324\K6250.D\	09/24/24 08:16	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 10:28

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

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\ **Lab Code:**RQ2411972-01
Instrument ID: R-MS-17 **Analysis Lot:**854958
Analysis Method: 8260D **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	276,300	11.64	614,550	6.17	531,019	9.57
	Upper Limit ==>	552,600	11.81	1,229,100	6.34	1,062,038	9.74
	Lower Limit ==>	138,150	11.47	307,275	6.00	265,510	9.40
Associated Analyses							
Lab Control Sample	RQ2411972-03	284008	11.64	616510	6.17	529408	9.57
Method Blank	RQ2411972-05	277801	11.64	629414	6.17	539426	9.57
TB-091624	R2409108-001	269486	11.64	609577	6.17	519249	9.57
FB-091724	R2409108-015	278143	11.64	617621	6.17	534354	9.57
TMP-A-091624	R2409108-003	261487	11.64	598122	6.17	508768	9.57
FB-091624	R2409108-006	277331	11.64	618859	6.17	531833	9.57
DMW-3-091724	R2409108-011	279059	11.64	626550	6.17	536838	9.57
MW-13-091724	R2409108-017	266053	11.64	603303	6.17	515098	9.57
MW-14-091624	R2409108-005	271503	11.64	608844	6.17	519947	9.57
MW-10-091624	R2409108-007	272359	11.64	607094	6.17	518979	9.57
DMW-4-091624	R2409108-008	271106	11.64	610915	6.17	524484	9.57
MW-7-091724	R2409108-012	269471	11.64	609605	6.17	519058	9.57

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 10:28

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

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\ **Lab Code:**RQ2411972-01
Instrument ID: R-MS-17 **Analysis Lot:**854958
Analysis Method: 8260D **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	406,599	4.99
	Upper Limit ==>	813,198	5.16
	Lower Limit ==>	203,300	4.82
Associated Analyses			
Lab Control Sample	RQ2411972-03	403097	4.99
Method Blank	RQ2411972-05	413690	4.99
TB-091624	R2409108-001	397247	4.99
FB-091724	R2409108-015	406085	4.99
TMP-A-091624	R2409108-003	392039	5.00
FB-091624	R2409108-006	402957	5.00
DMW-3-091724	R2409108-011	409313	4.99
MW-13-091724	R2409108-017	397213	4.99
MW-14-091624	R2409108-005	396578	4.99
MW-10-091624	R2409108-007	394223	5.00
DMW-4-091624	R2409108-008	401096	4.99
MW-7-091724	R2409108-012	400125	5.00

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 22:19

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

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6224.D\ **Lab Code:**RQ2411978-01
Instrument ID: R-MS-17 **Analysis Lot:**855028
Analysis Method: 8260D **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	282,905	11.64	632,639	6.17	545,644	9.57
	Upper Limit ==>	565,810	11.81	1,265,278	6.34	1,091,288	9.74
	Lower Limit ==>	141,453	11.47	316,320	6.00	272,822	9.40
Associated Analyses							
Lab Control Sample	RQ2411978-02	269170	11.64	590344	6.17	513890	9.57
Method Blank	RQ2411978-03	273217	11.64	612765	6.17	521692	9.57
MW-6-091724	R2409108-009	274841	11.64	615730	6.17	526875	9.57
MW-6-091724MS	RQ2411978-04	276928	11.64	598203	6.17	521498	9.57
MW-6-091724DMS	RQ2411978-05	262895	11.64	585439	6.17	503451	9.57

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 22:19

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

File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6224.D\ **Lab Code:**RQ2411978-01
Instrument ID: R-MS-17 **Analysis Lot:**855028
Analysis Method: 8260D **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	416,021	4.99
	Upper Limit ==>	832,042	5.16
	Lower Limit ==>	208,011	4.82
Associated Analyses			
Lab Control Sample	RQ2411978-02	387350	4.99
Method Blank	RQ2411978-03	405811	4.99
MW-6-091724	R2409108-009	404046	4.99
MW-6-091724MS	RQ2411978-04	395694	4.99
MW-6-091724DMS	RQ2411978-05	383021	4.99

Semivolatile Organic Compounds by GC/MS

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

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton/5101.0003
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Extraction Method: EPA 3535A

		Tetrahydrofuran-d8 (SUR)
Sample Name	**Lab Code**	**64 - 124**
MW-14-091624	R2409108-005	97
FB-091624	R2409108-006	115
MW-16-091724	R2409108-010	73
MW-8-091724	R2409108-013	85
FB-091724	R2409108-015	118
MW-13-091724	R2409108-017	92
Method Blank	RQ2411921-01	88
Lab Control Sample	RQ2411921-02	87
Duplicate Lab Control Sample	RQ2411921-03	91
Method Blank	RQ2412014-01	81
Lab Control Sample	RQ2412014-02	82
Duplicate Lab Control Sample	RQ2412014-03	91

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/23/24 13:54
Sample Matrix:	Water	**Date Extracted:**	09/23/24

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-56
Lab Code:	RQ2411921-01	**File ID:**	I:\ACQUDATA\5975E\data\092324\BM6929.D\
Analysis Method:	8270E SIM	**Analysis Lot:**	855255
Prep Method:	EPA 3535A	**Extraction Lot:**	445351

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2411921-02	I:\ACQUDATA\5975E\data\092324\BM6930.D\	09/23/24 14:12
Duplicate Lab Control Sample	RQ2411921-03	I:\ACQUDATA\5975E\data\092324\BM6931.D\	09/23/24 14:29
MW-14-091624	R2409108-005	I:\ACQUDATA\5975E\data\092324\BM6936.D\	09/23/24 15:56
FB-091624	R2409108-006	I:\ACQUDATA\5975E\data\092324\BM6937.D\	09/23/24 16:13
FB-091724	R2409108-015	I:\ACQUDATA\5975E\data\092324\BM6938.D\	09/23/24 16:31
MW-13-091724	R2409108-017	I:\ACQUDATA\5975E\data\092324\BM6939.D\	09/23/24 16:48

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/24/24 13:56
Sample Matrix:	Water	**Date Extracted:**	09/24/24

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-56
Lab Code:	RQ2412014-01	**File ID:**	I:\ACQUDATA\5975E\data\092424\BM6956.D\
Analysis Method:	8270E SIM	**Analysis Lot:**	855261
Prep Method:	EPA 3535A	**Extraction Lot:**	445432

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2412014-02	I:\ACQUDATA\5975E\data\092424\BM6957.D\	09/24/24 14:14
Duplicate Lab Control Sample	RQ2412014-03	I:\ACQUDATA\5975E\data\092424\BM6958.D\	09/24/24 14:31
MW-16-091724	R2409108-010	I:\ACQUDATA\5975E\data\092424\BM6960.D\	09/24/24 15:06
MW-8-091724	R2409108-013	I:\ACQUDATA\5975E\data\092424\BM6961.D\	09/24/24 15:23

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2411921-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.035	1	09/23/24 13:54	9/23/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	88	64 - 124	09/23/24 13:54	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2412014-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.035	1	09/24/24 13:56	9/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	81	64 - 124	09/24/24 13:56	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/23/24 14:12
Sample Matrix:	Water	**Date Extracted:**	09/23/24

Lab Control Sample Summary
1,4-Dioxane by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-56
Lab Code:	RQ2411921-02	**File ID:**	I:\ACQUDATA\5975E\data\092324\BM6930.D\
Analysis Method:	8270E SIM	**Analysis Lot:**	855255
Prep Method:	EPA 3535A	**Extraction Lot:**	445351

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2411921-01	I:\ACQUDATA\5975E\data\092324\BM6929.D\	09/23/24 13:54
Duplicate Lab Control Sample	RQ2411921-03	I:\ACQUDATA\5975E\data\092324\BM6931.D\	09/23/24 14:29
MW-14-091624	R2409108-005	I:\ACQUDATA\5975E\data\092324\BM6936.D\	09/23/24 15:56
FB-091624	R2409108-006	I:\ACQUDATA\5975E\data\092324\BM6937.D\	09/23/24 16:13
FB-091724	R2409108-015	I:\ACQUDATA\5975E\data\092324\BM6938.D\	09/23/24 16:31
MW-13-091724	R2409108-017	I:\ACQUDATA\5975E\data\092324\BM6939.D\	09/23/24 16:48

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/24/24 14:14
Sample Matrix:	Water	**Date Extracted:**	09/24/24

Lab Control Sample Summary
1,4-Dioxane by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-56
Lab Code:	RQ2412014-02	**File ID:**	I:\ACQUDATA\5975E\data\092424\BM6957.D\
Analysis Method:	8270E SIM	**Analysis Lot:**	855261
Prep Method:	EPA 3535A	**Extraction Lot:**	445432

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2412014-01	I:\ACQUDATA\5975E\data\092424\BM6956.D\	09/24/24 13:56
Duplicate Lab Control Sample	RQ2412014-03	I:\ACQUDATA\5975E\data\092424\BM6958.D\	09/24/24 14:31
MW-16-091724	R2409108-010	I:\ACQUDATA\5975E\data\092424\BM6960.D\	09/24/24 15:06
MW-8-091724	R2409108-013	I:\ACQUDATA\5975E\data\092424\BM6961.D\	09/24/24 15:23

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

Service Request: R2409108
Date Analyzed: 09/23/24

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2411921-02			RQ2411921-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270E SIM	8.29	9.83	84	8.34	9.83	85	58-124	<1	30

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

Service Request: R2409108
Date Analyzed: 09/24/24

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2412014-02			RQ2412014-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270E SIM	8.18	9.83	83	8.29	9.83	84	58-124	1	30

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 10:24

Tune Summary
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\092324\BM6927.D\ **Analytical Method:** 8270E SIM
Instrument ID: R-MS-56 **Analysis Lot:** 855255

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.3	11717	Pass
69	69	100	100	100.0	869837	Pass
70	69	0.00	2	0.6	4886	Pass
197	198	0.00	2	0.0	0	Pass
198	198	100	100	100.0	1827328	Pass
199	198	5	9	6.9	126430	Pass
365	198	1	200	3.5	64616	Pass
441	443	0.00	150	81.4	290411	Pass
442	442	100	100	100.0	1894912	Pass
443	442	15	24	18.8	356907	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2412092-02	I:\ACQUDATA\5975E\data\092324\BM6928.D\	09/23/24 12:28	
Method Blank	RQ2411921-01	I:\ACQUDATA\5975E\data\092324\BM6929.D\	09/23/24 13:54	
Lab Control Sample	RQ2411921-02	I:\ACQUDATA\5975E\data\092324\BM6930.D\	09/23/24 14:12	
Duplicate Lab Control Sample	RQ2411921-03	I:\ACQUDATA\5975E\data\092324\BM6931.D\	09/23/24 14:29	
MW-14-091624	R2409108-005	I:\ACQUDATA\5975E\data\092324\BM6936.D\	09/23/24 15:56	
FB-091624	R2409108-006	I:\ACQUDATA\5975E\data\092324\BM6937.D\	09/23/24 16:13	
FB-091724	R2409108-015	I:\ACQUDATA\5975E\data\092324\BM6938.D\	09/23/24 16:31	
MW-13-091724	R2409108-017	I:\ACQUDATA\5975E\data\092324\BM6939.D\	09/23/24 16:48	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/24/24 13:14

Tune Summary
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\092424\BM6954.D\ **Analytical Method:** 8270E SIM
Instrument ID: R-MS-56 **Analysis Lot:** 855261

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.4	12660	Pass
69	69	100	100	100.0	873752	Pass
70	69	0.00	2	0.5	4352	Pass
197	198	0.00	2	0.0	0	Pass
198	198	100	100	100.0	1815893	Pass
199	198	5	9	6.6	119377	Pass
365	198	1	200	3.7	67915	Pass
441	443	0.00	150	78.2	288832	Pass
442	442	100	100	100.0	1908907	Pass
443	442	15	24	19.4	369557	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2412094-02	I:\ACQUDATA\5975E\data\092424\BM6955.D\	09/24/24 13:37	
Method Blank	RQ2412014-01	I:\ACQUDATA\5975E\data\092424\BM6956.D\	09/24/24 13:56	
Lab Control Sample	RQ2412014-02	I:\ACQUDATA\5975E\data\092424\BM6957.D\	09/24/24 14:14	
Duplicate Lab Control Sample	RQ2412014-03	I:\ACQUDATA\5975E\data\092424\BM6958.D\	09/24/24 14:31	
MW-16-091724	R2409108-010	I:\ACQUDATA\5975E\data\092424\BM6960.D\	09/24/24 15:06	
MW-8-091724	R2409108-013	I:\ACQUDATA\5975E\data\092424\BM6961.D\	09/24/24 15:23	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/23/24 12:28

Internal Standard Area and RT SUMMARY
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\092324\BM6928.D\ **Lab Code:**RQ2412092-02
Instrument ID: R-MS-56 **Analysis Lot:**855255
Analysis Method: 8270E SIM **Signal ID:**1

		Toluene-d8	
		Area	**RT**
	Result ==>	112,210	5.43
	Upper Limit ==>	224,420	5.93
	Lower Limit ==>	56,105	4.93
Associated Analyses			
Continuing Calibration Verification	RQ2412092-02	112210	5.43
Method Blank	RQ2411921-01	126423	5.43
Lab Control Sample	RQ2411921-02	140771	5.44
Duplicate Lab Control Sample	RQ2411921-03	129171	5.43
MW-14-091624	R2409108-005	136743	5.43
FB-091624	R2409108-006	135567	5.42
FB-091724	R2409108-015	125970	5.44
MW-13-091724	R2409108-017	138993	5.42

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003 **Date Analyzed:**09/24/24 13:37

Internal Standard Area and RT SUMMARY
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\092424\BM6955.D\ **Lab Code:**RQ2412094-02
Instrument ID: R-MS-56 **Analysis Lot:**855261
Analysis Method: 8270E SIM **Signal ID:**1

		Toluene-d8	
		Area	**RT**
	Result ==>	115,576	5.42
	Upper Limit ==>	231,152	5.92
	Lower Limit ==>	57,788	4.92
Associated Analyses			
Continuing Calibration Verification	RQ2412094-02	115576	5.42
Method Blank	RQ2412014-01	123328	5.44
Lab Control Sample	RQ2412014-02	129355	5.42
Duplicate Lab Control Sample	RQ2412014-03	131165	5.43
MW-16-091724	R2409108-010	122583	5.43
MW-8-091724	R2409108-013	120459	5.42

Raw Data

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

Volatile Organic Compounds by GC/MS

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

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 00:00
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	TB-091624	**Units:**	ug/L
Lab Code:	R2409108-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 17:20	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 17:20	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 17:20	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 17:20	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 17:20	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 17:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 17:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 17:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/23/24 17:20	
Dibromofluoromethane	98	80 - 116	09/23/24 17:20	
Toluene-d8	101	87 - 121	09/23/24 17:20	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 14:10
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	TMP-A-091624	**Units:**	ug/L
Lab Code:	R2409108-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.26 J**	1.0	0.20	1	09/23/24 18:06	
1,1-Dichloroethane (1,1-DCA)	**0.39 J**	1.0	0.20	1	09/23/24 18:06	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 18:06	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 18:06	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 18:06	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 18:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 18:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 18:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/23/24 18:06	
Dibromofluoromethane	97	80 - 116	09/23/24 18:06	
Toluene-d8	102	87 - 121	09/23/24 18:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 15:40
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-14-091624	**Units:**	ug/L
Lab Code:	R2409108-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 19:38	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 19:38	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 19:38	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 19:38	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 19:38	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 19:38	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 19:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 19:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/23/24 19:38	
Dibromofluoromethane	95	80 - 116	09/23/24 19:38	
Toluene-d8	100	87 - 121	09/23/24 19:38	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 17:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	FB-091624	**Units:**	ug/L
Lab Code:	R2409108-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 18:29	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 18:29	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 18:29	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 18:29	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 18:29	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 18:29	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 18:29	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 18:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/23/24 18:29	
Dibromofluoromethane	97	80 - 116	09/23/24 18:29	
Toluene-d8	99	87 - 121	09/23/24 18:29	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 17:45
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-10-091624	**Units:**	ug/L
Lab Code:	R2409108-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**1.6**	1.0	0.20	1	09/23/24 20:01	
1,1-Dichloroethane (1,1-DCA)	**0.49 J**	1.0	0.20	1	09/23/24 20:01	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 20:01	
Tetrachloroethene (PCE)	**0.76 J**	1.0	0.21	1	09/23/24 20:01	
Trichloroethene (TCE)	**9.8**	1.0	0.20	1	09/23/24 20:01	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 20:01	
cis-1,2-Dichloroethene	**2.1**	1.0	0.23	1	09/23/24 20:01	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 20:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/23/24 20:01	
Dibromofluoromethane	97	80 - 116	09/23/24 20:01	
Toluene-d8	101	87 - 121	09/23/24 20:01	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 18:34
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	DMW-4-091624	**Units:**	ug/L
Lab Code:	R2409108-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 20:24	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 20:24	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 20:24	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 20:24	
Trichloroethene (TCE)	**0.22 J**	1.0	0.20	1	09/23/24 20:24	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 20:24	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 20:24	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 20:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/23/24 20:24	
Dibromofluoromethane	96	80 - 116	09/23/24 20:24	
Toluene-d8	100	87 - 121	09/23/24 20:24	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 10:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-6-091724	**Units:**	ug/L
Lab Code:	R2409108-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/24/24 00:14	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/24 00:14	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/24 00:14	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/24 00:14	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/24 00:14	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/24 00:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/24 00:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/24 00:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/24/24 00:14	
Dibromofluoromethane	96	80 - 116	09/24/24 00:14	
Toluene-d8	100	87 - 121	09/24/24 00:14	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 10:35
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	DMW-3-091724	**Units:**	ug/L
Lab Code:	R2409108-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 18:52	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 18:52	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 18:52	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 18:52	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 18:52	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 18:52	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 18:52	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 18:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/23/24 18:52	
Dibromofluoromethane	97	80 - 116	09/23/24 18:52	
Toluene-d8	99	87 - 121	09/23/24 18:52	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 12:20
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-7-091724	**Units:**	ug/L
Lab Code:	R2409108-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 20:47	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 20:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 20:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 20:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 20:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 20:47	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 20:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 20:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/23/24 20:47	
Dibromofluoromethane	96	80 - 116	09/23/24 20:47	
Toluene-d8	100	87 - 121	09/23/24 20:47	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 13:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	FB-091724	**Units:**	ug/L
Lab Code:	R2409108-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 17:43	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 17:43	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 17:43	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 17:43	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 17:43	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 17:43	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 17:43	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 17:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/23/24 17:43	
Dibromofluoromethane	97	80 - 116	09/23/24 17:43	
Toluene-d8	101	87 - 121	09/23/24 17:43	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 16:55
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-13-091724	**Units:**	ug/L
Lab Code:	R2409108-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
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	09/23/24 19:15	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/24 19:15	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 19:15	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 19:15	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/24 19:15	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 19:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 19:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 19:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/23/24 19:15	
Dibromofluoromethane	100	80 - 116	09/23/24 19:15	
Toluene-d8	104	87 - 121	09/23/24 19:15	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6211.D
Acq On : 23 Sep 2024 05:20 pm
Operator : K.Ruest
Sample : R2409108-001
Misc : VERINA 8260 T2
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 18:06:31 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

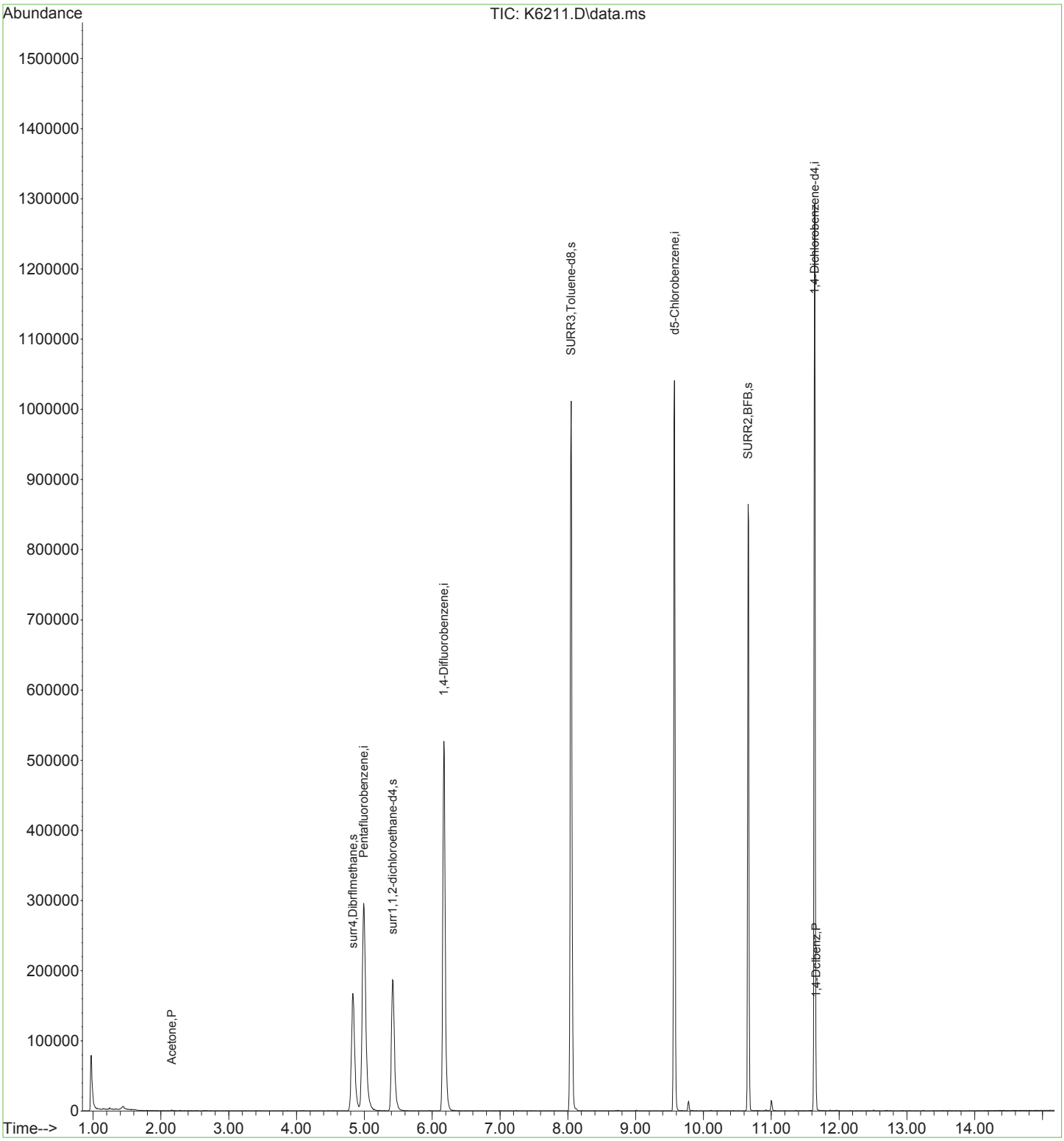
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	397247	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	609577	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	519249	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	269486	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	179800	48.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.54%			
47) surr1,1,2-dichloroetha...	5.415	65	210717	50.21	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.42%			
64) SURR3,Toluene-d8	8.049	98	694529	50.31	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.62%			
69) SURR2,BFB	10.658	95	245673	49.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.28%			
Target Compounds						Qvalue
16) Acetone	2.160	43	1184	0.772	ug/L	74
105) 1,4-Dclbenz	11.658	146	6907	0.826	ug/L	93

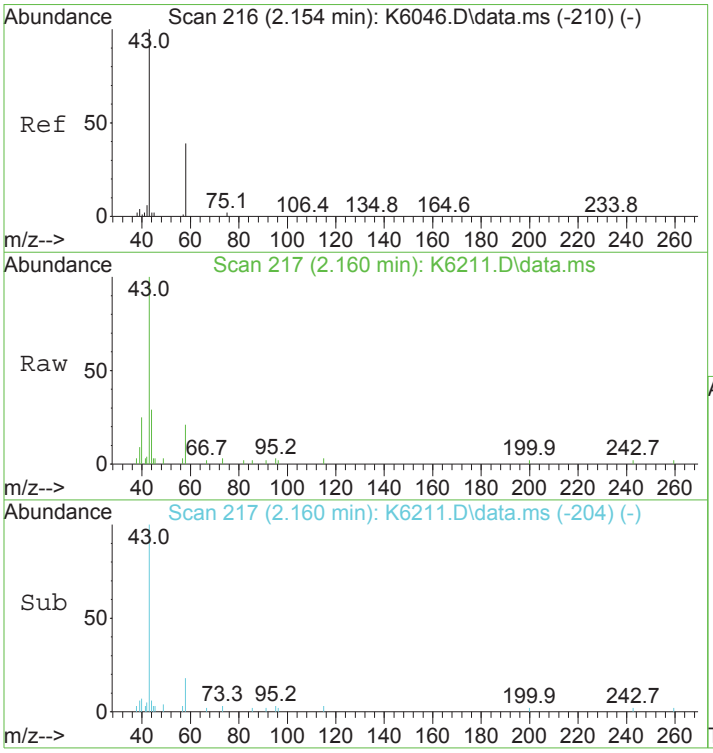
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6211.D
Acq On : 23 Sep 2024 05:20 pm
Operator : K.Ruest
Sample : R2409108-001
Misc : VERINA 8260 T2
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 18:06:31 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

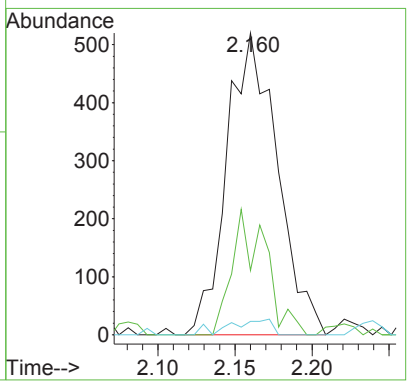


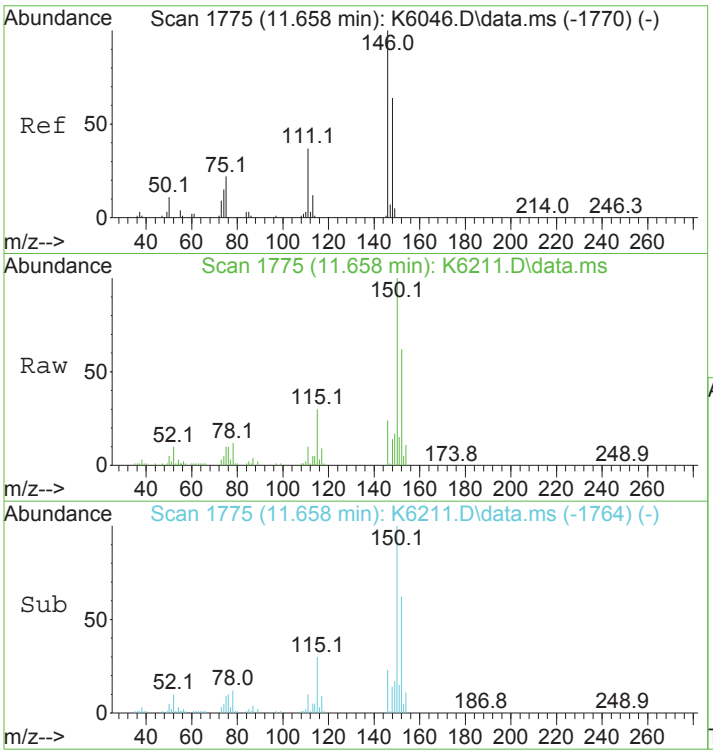


#16
Acetone
Concen: 0.77 ug/L
RT: 2.160 min Scan# 217
Delta R.T. 0.006 min
Lab File: K6211.D
Acq: 23 Sep 2024 05:20 pm

Tgt Ion: 43 Resp: 1184

Ion	Ratio	Lower	Upper
43	100		
58	21.3	19.6	59.6
42	4.4	0.0	26.6

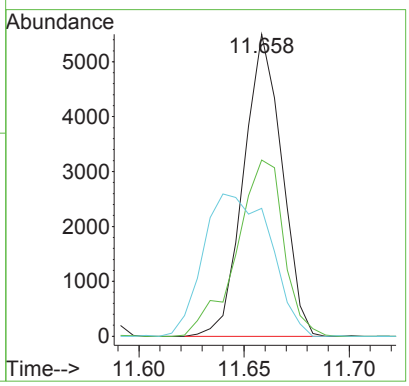




#105
1,4-Dclbenz
Concen: 0.83 ug/L
RT: 11.658 min Scan# 1775
Delta R.T. -0.000 min
Lab File: K6211.D
Acq: 23 Sep 2024 05:20 pm

Tgt Ion:146 Resp: 6907

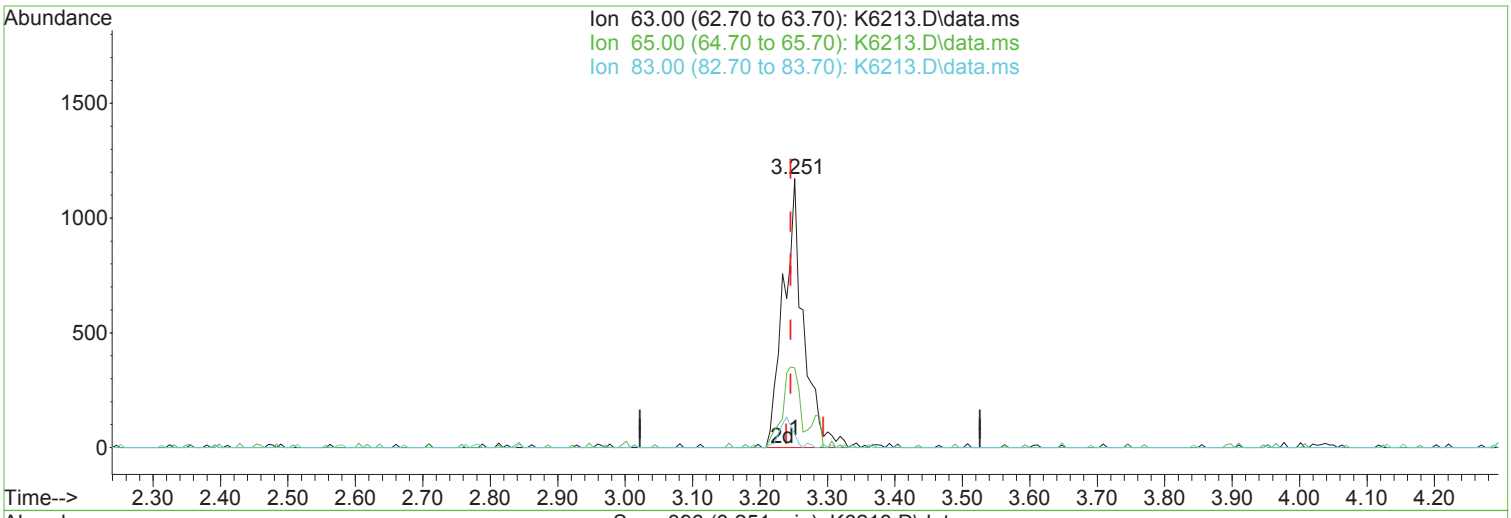
Ion	Ratio	Lower	Upper
146	100		
148	58.3	43.5	83.5
111	42.3	17.7	57.7

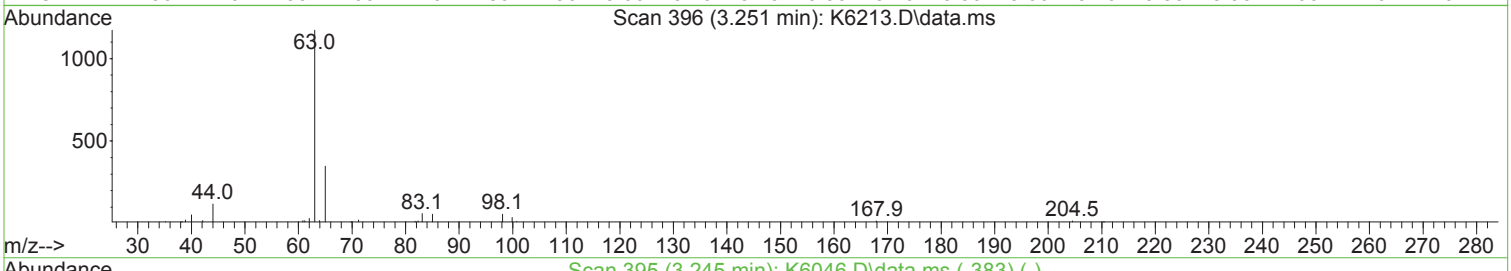


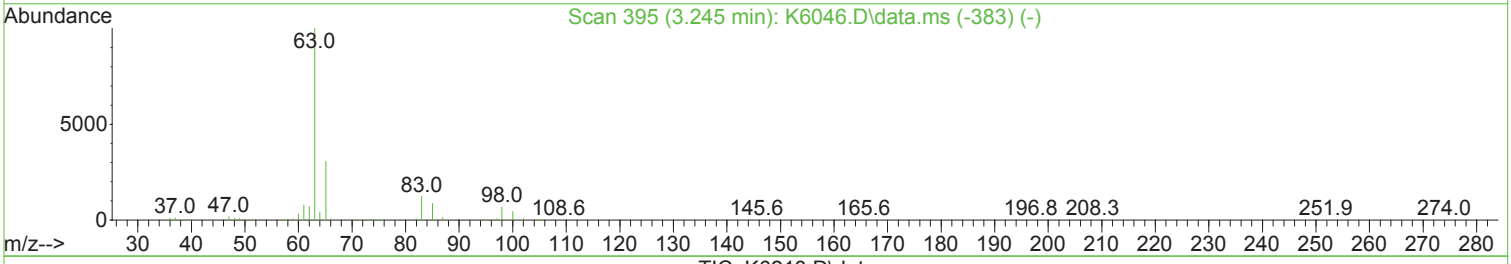
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6213.D
Acq On : 23 Sep 2024 06:06 pm
Operator : K.Ruest
Sample : R2409108-003
Misc : VERINA 8260 T2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 18:36:02 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6213.D\data.ms

(27) 1,1-Diclethane (P)

3.251min (+ 0.006) 0.39 ug/L m

response 2407

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	30.50	29.61
83.00	12.30	5.12
0.00	0.00	0.00

Manual Integration:

After

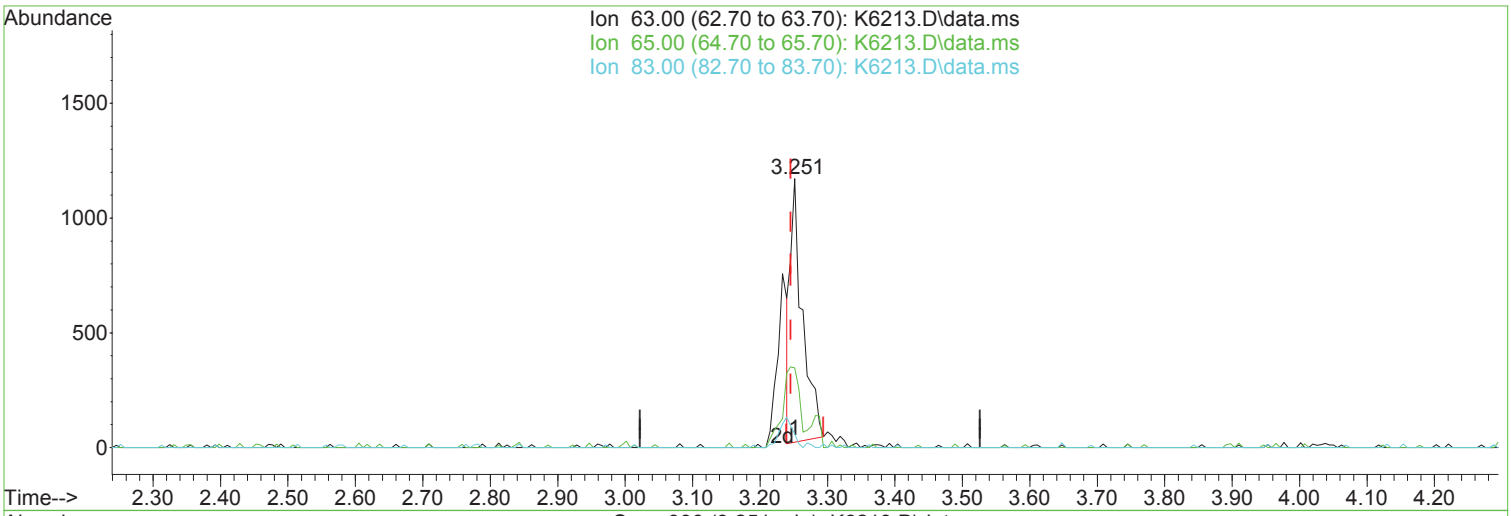
Split Peak.

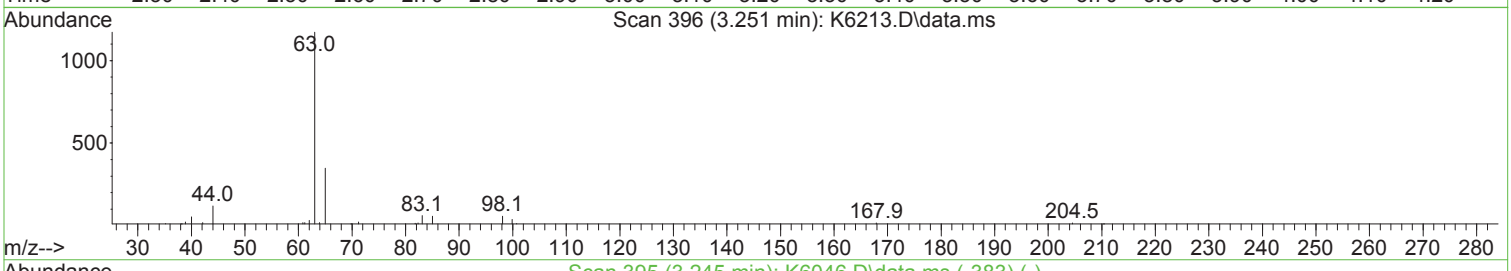
09/24/24

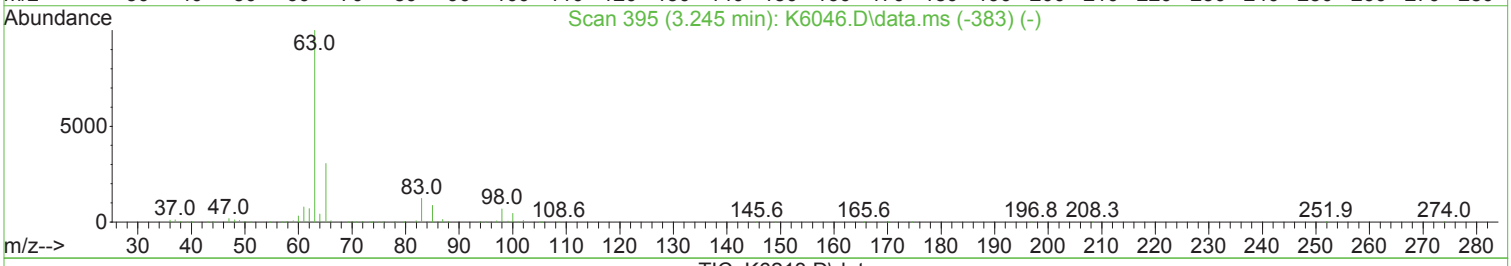
1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6213.D
Acq On : 23 Sep 2024 06:06 pm
Operator : K.Ruest
Sample : R2409108-003
Misc : VERINA 8260 T2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 18:36:02 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6213.D\data.ms

(27) 1,1-Diclethane (P)

3.251min (+ 0.006) 0.23 ug/L

response 1432

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	30.50	29.61
83.00	12.30	5.12
0.00	0.00	0.00

Manual Integration:

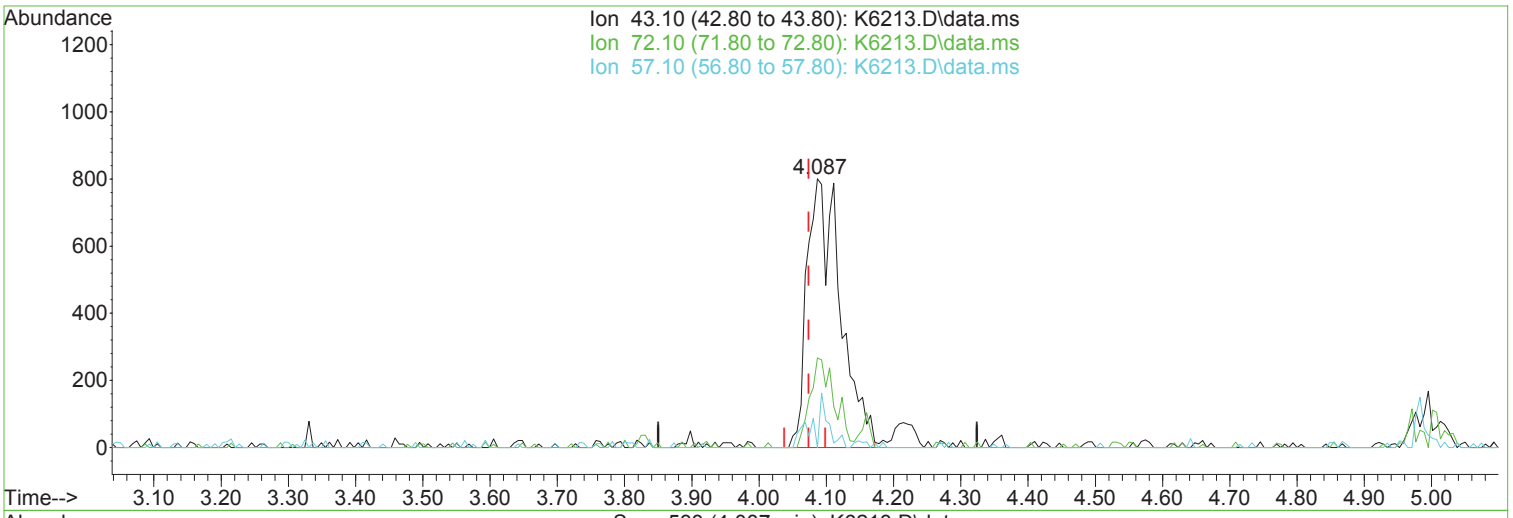
Before

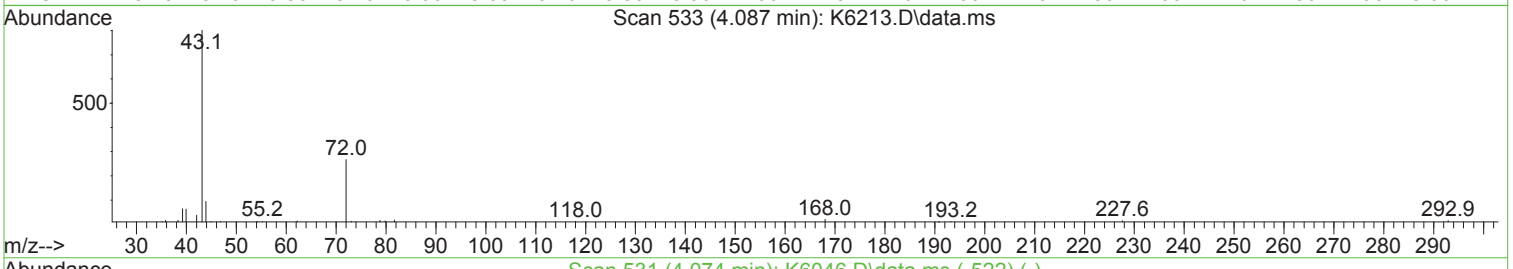
09/24/24

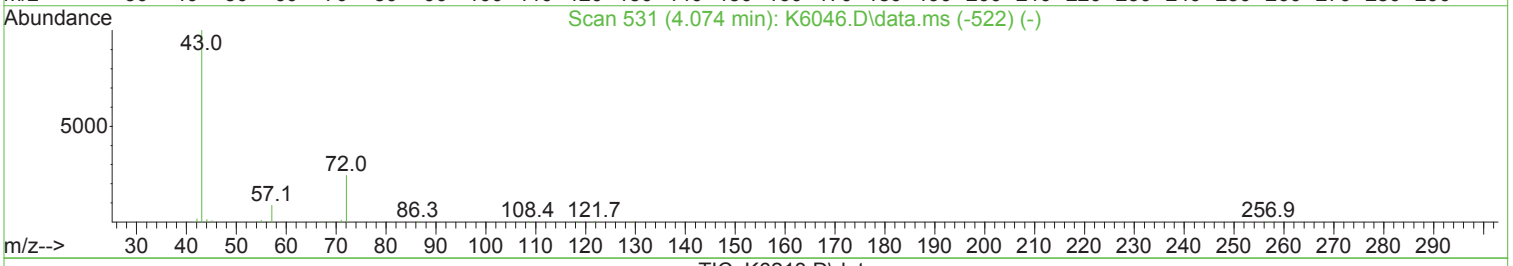
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6213.D
Acq On : 23 Sep 2024 06:06 pm
Operator : K.Ruest
Sample : R2409108-003
Misc : VERINA 8260 T2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 18:36:02 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6213.D\data.ms

(34) 2-Butanone (P)

4.087min (+ 0.012) 1.44 ug/L m

response 2775

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	25.80	33.33
57.10	9.40	0.00
0.00	0.00	0.00

Manual Integration:

After

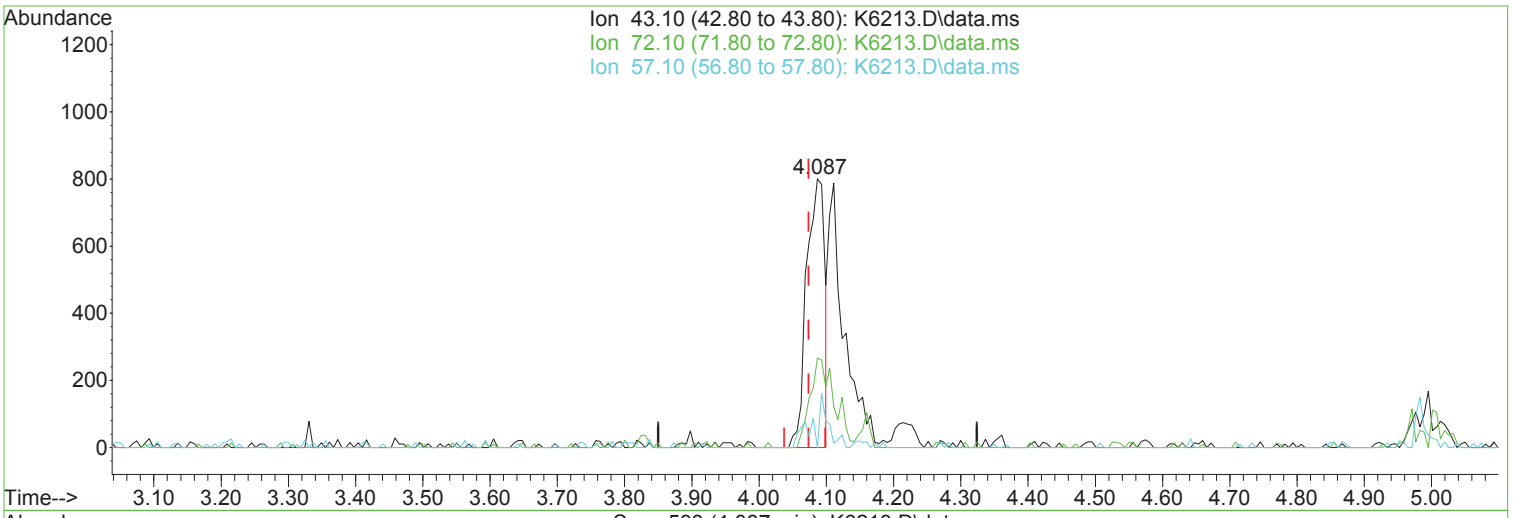
Split Peak.

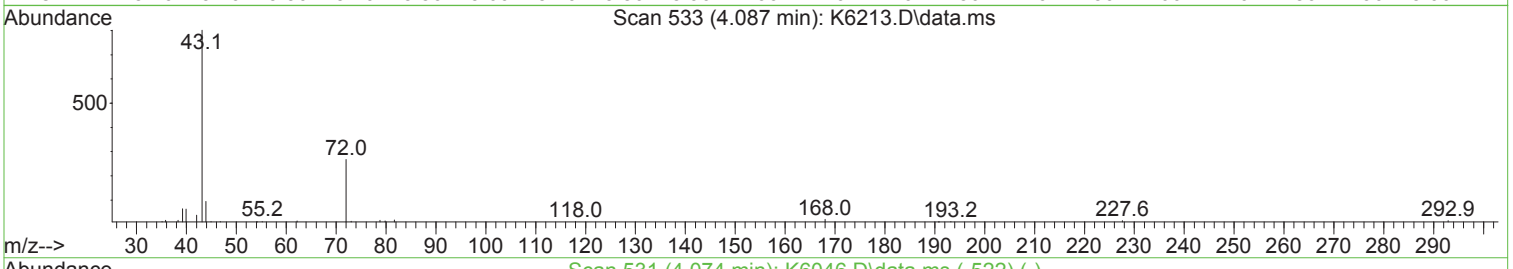
09/24/24

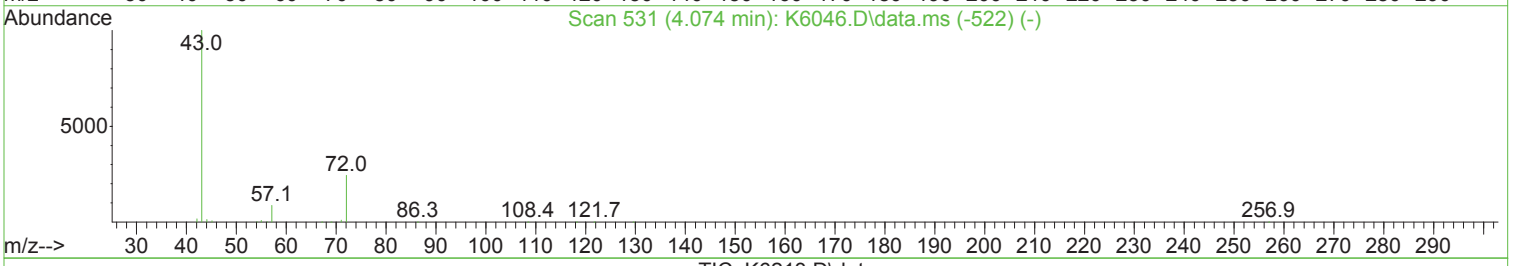
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6213.D
Acq On : 23 Sep 2024 06:06 pm
Operator : K.Ruest
Sample : R2409108-003
Misc : VERINA 8260 T2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 18:36:02 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6213.D\data.ms

(34) 2-Butanone (P)

4.087min (+ 0.012) 0.78 ug/L

response 1496

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	25.80	33.33
57.10	9.40	0.00
0.00	0.00	0.00

Manual Integration:

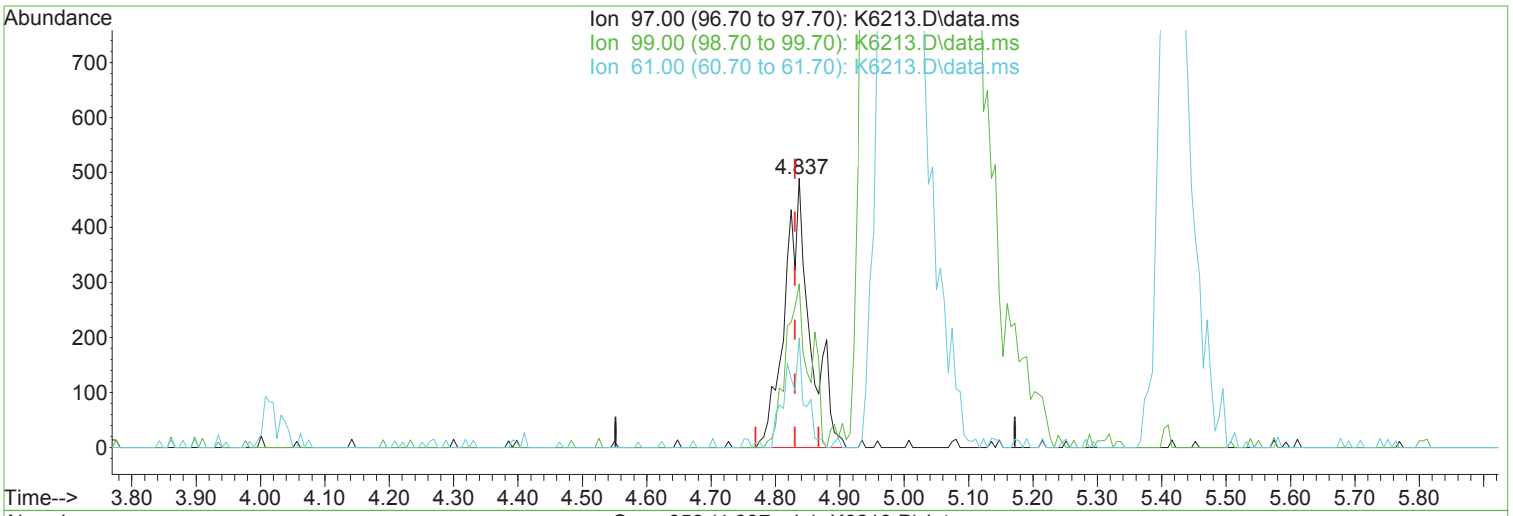
Before

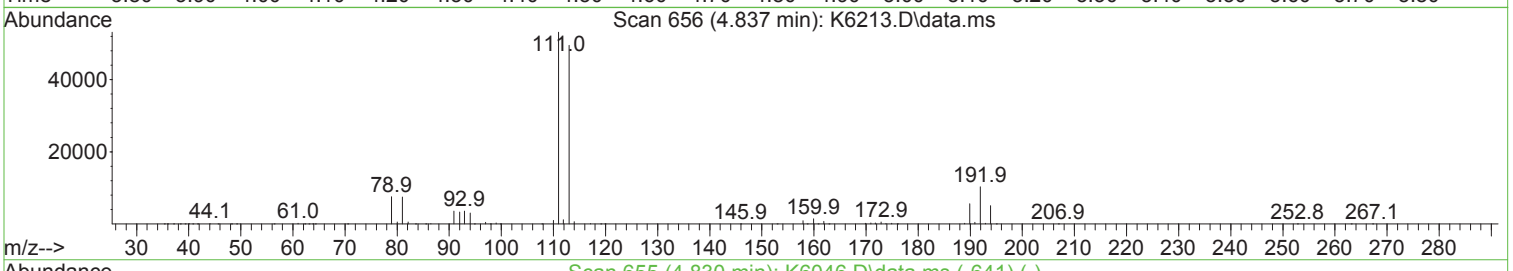
09/24/24

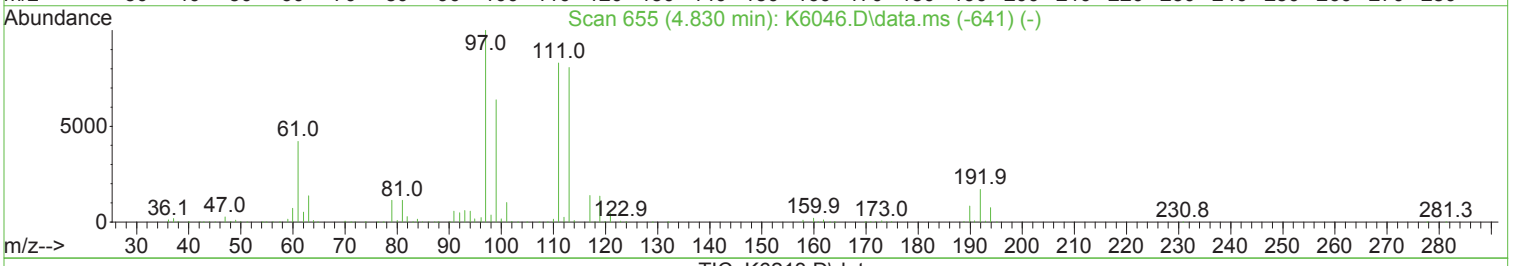
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6213.D
Acq On : 23 Sep 2024 06:06 pm
Operator : K.Ruest
Sample : R2409108-003
Misc : VERINA 8260 T2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 18:36:02 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6213.D\data.ms

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

4.837min (+ 0.006) 0.26 ug/L m

response 1347

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	60.74
61.00	42.10	40.70
0.00	0.00	0.00

Manual Integration:

After

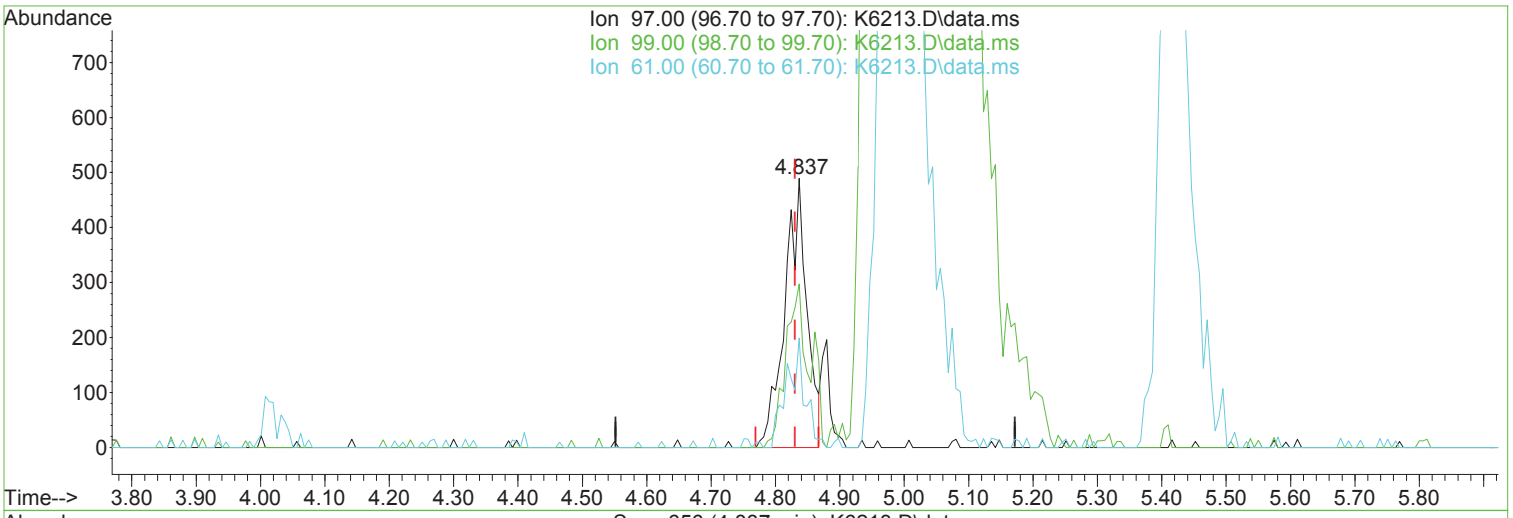
Split Peak.

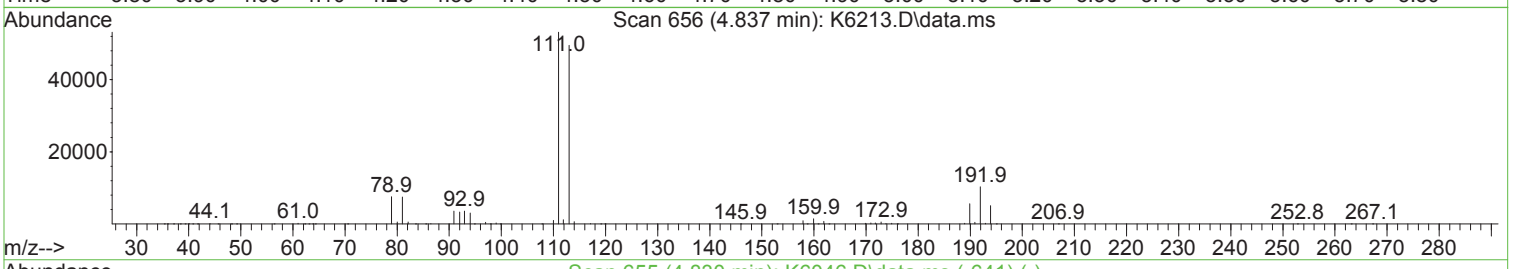
09/24/24

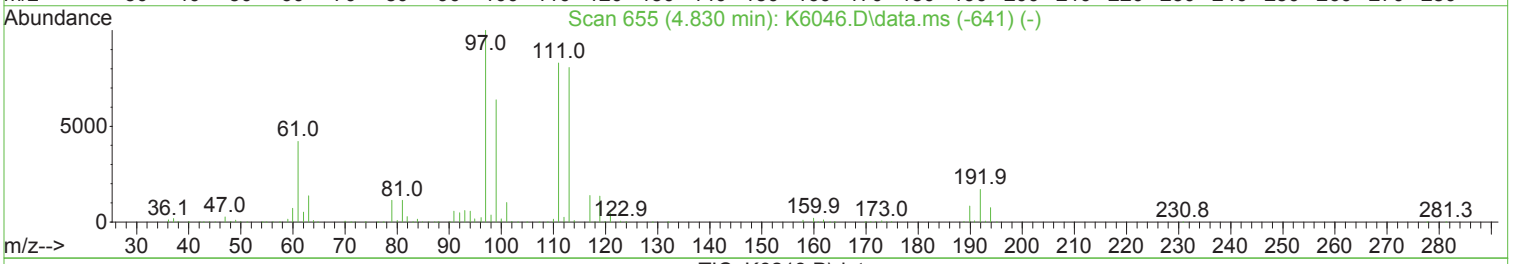
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6213.D
Acq On : 23 Sep 2024 06:06 pm
Operator : K.Ruest
Sample : R2409108-003
Misc : VERINA 8260 T2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 18:36:02 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6213.D\data.ms

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

4.837min (+ 0.006) 0.23 ug/L

response 1169

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	60.74
61.00	42.10	40.70
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6213.D
Acq On : 23 Sep 2024 06:06 pm
Operator : K.Ruest
Sample : R2409108-003
Misc : VERINA 8260 T2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 18:36:02 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

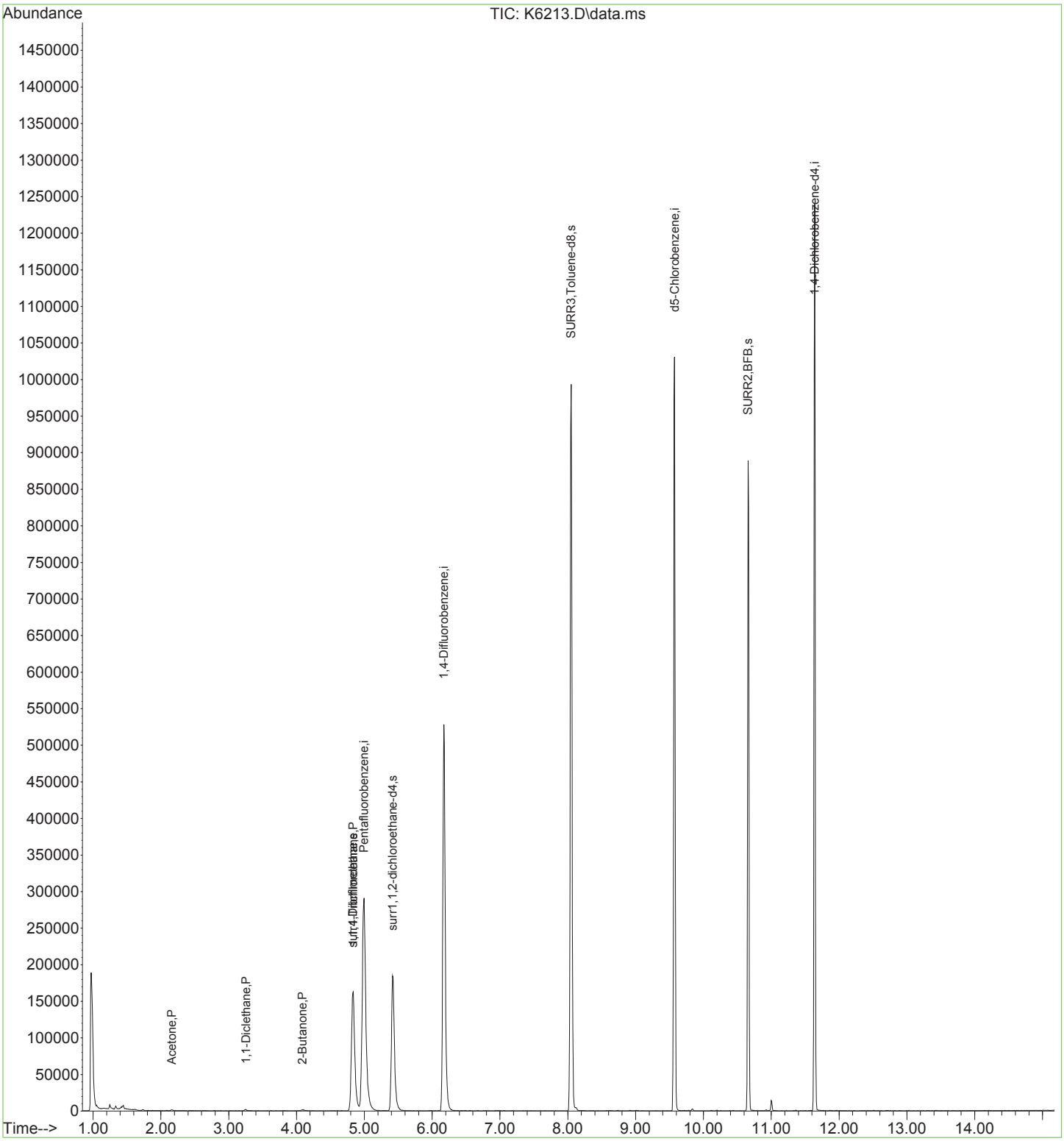
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	392039	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	598122	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	508768	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	261487	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	176338	48.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.48%			
47) surr1,1,2-dichloroetha...	5.416	65	203630	49.45	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.90%			
64) SURR3,Toluene-d8	8.049	98	687724	50.78	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.56%			
69) SURR2,BFB	10.659	95	246218	50.19	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.38%			
Target Compounds						Qvalue
7) Chloroethane	1.581	64	274	Below Cal		86
16) Acetone	2.160	43	1468	0.970	ug/L	78
27) 1,1-Diclethane	3.251	63	2407m	0.388	ug/L	
34) 2-Butanone	4.087	43	2775m	1.442	ug/L	
40) 1,1,1-Trichloroethane	4.837	97	1347m	0.264	ug/L	

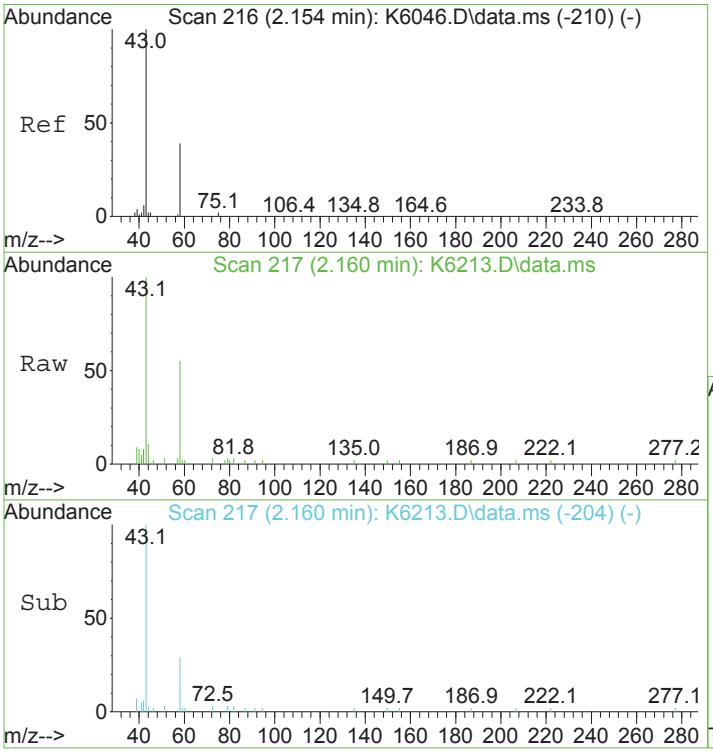
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6213.D
Acq On : 23 Sep 2024 06:06 pm
Operator : K.Ruest
Sample : R2409108-003
Misc : VERINA 8260 T2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 18:36:02 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

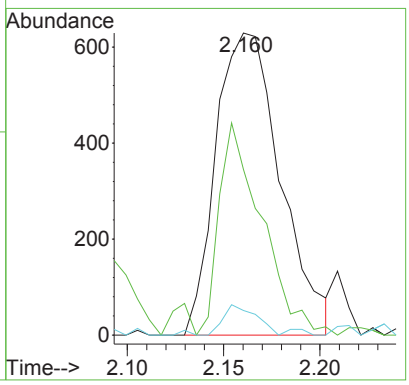


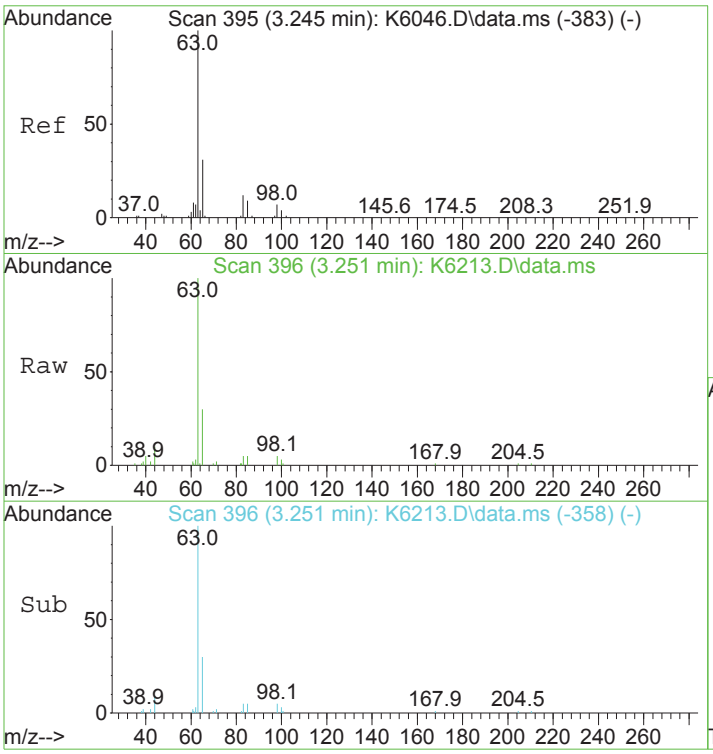


#16
Acetone
Concen: 0.97 ug/L
RT: 2.160 min Scan# 217
Delta R.T. 0.006 min
Lab File: K6213.D
Acq: 23 Sep 2024 06:06 pm

Tgt Ion: 43 Resp: 1468

Ion	Ratio	Lower	Upper
43	100		
58	54.8	19.6	59.6
42	8.1	0.0	26.6

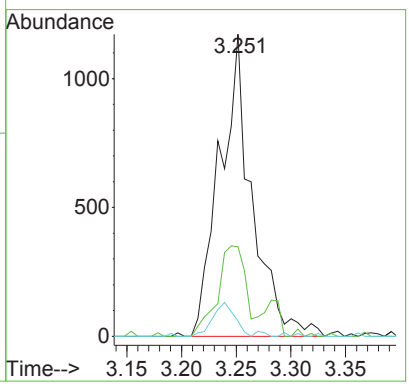


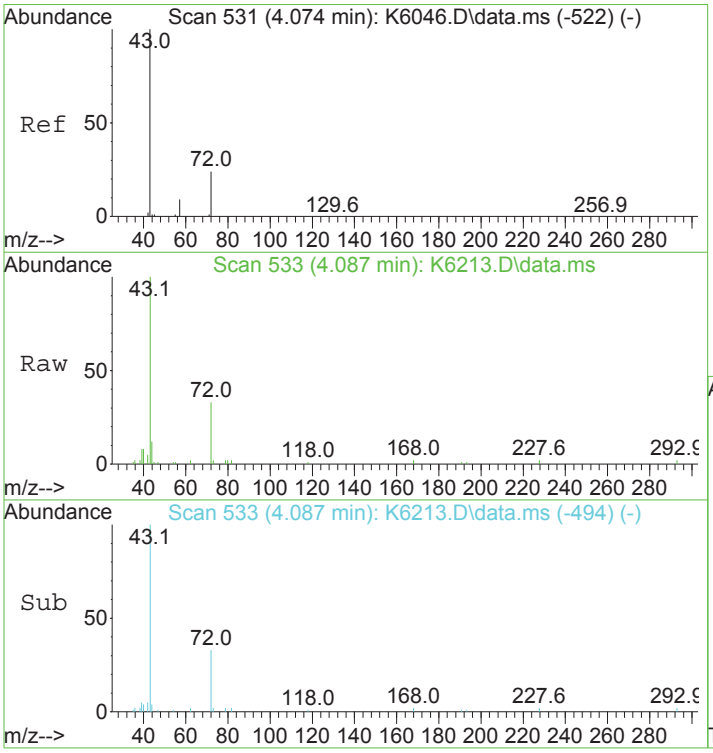


#27
1,1-Diclethane
Concen: 0.39 ug/L m
RT: 3.251 min Scan# 396
Delta R.T. 0.006 min
Lab File: K6213.D
Acq: 23 Sep 2024 06:06 pm

Tgt Ion: 63 Resp: 2407

Ion	Ratio	Lower	Upper
63	100		
65	29.6	10.5	50.5
83	5.1	0.0	32.3

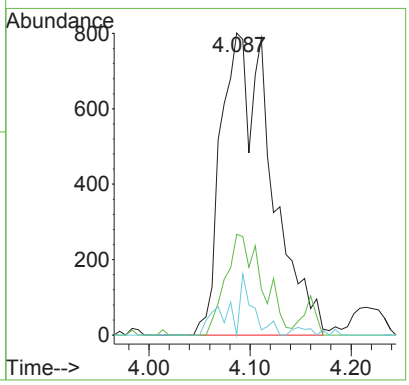


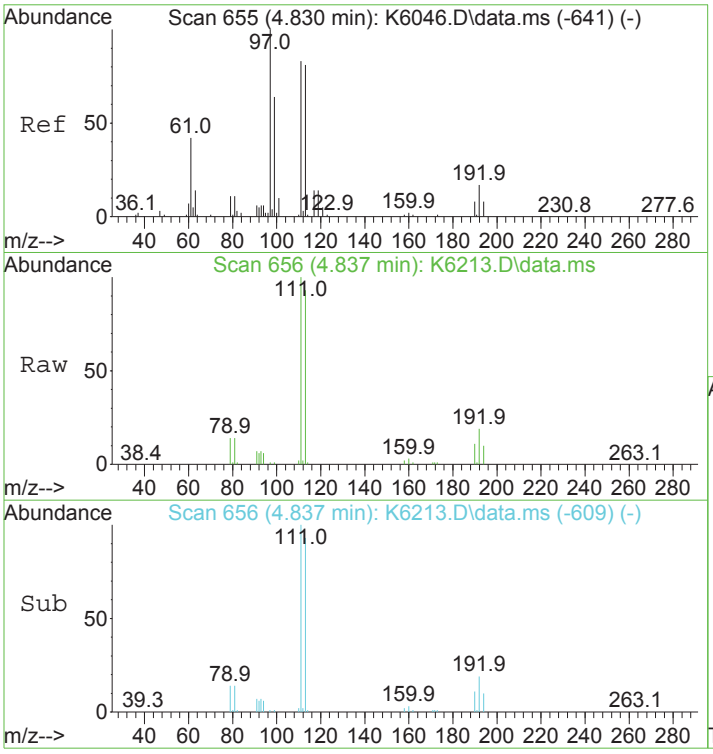


#34
2-Butanone
Concen: 1.44 ug/L m
RT: 4.087 min Scan# 533
Delta R.T. 0.012 min
Lab File: K6213.D
Acq: 23 Sep 2024 06:06 pm

Tgt Ion: 43 Resp: 2775

Ion	Ratio	Lower	Upper
43	100		
72	33.3	5.8	45.8
57	0.0	0.0	29.4

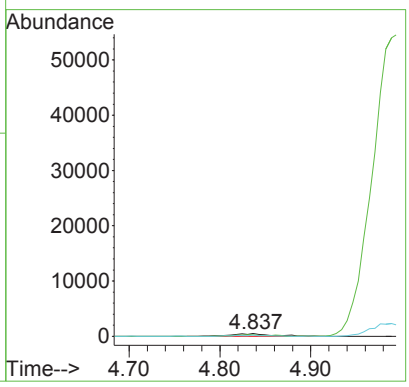




#40
1,1,1-Trichloroethane
Concen: 0.26 ug/L m
RT: 4.837 min Scan# 656
Delta R.T. 0.006 min
Lab File: K6213.D
Acq: 23 Sep 2024 06:06 pm

Tgt Ion: 97 Resp: 1347

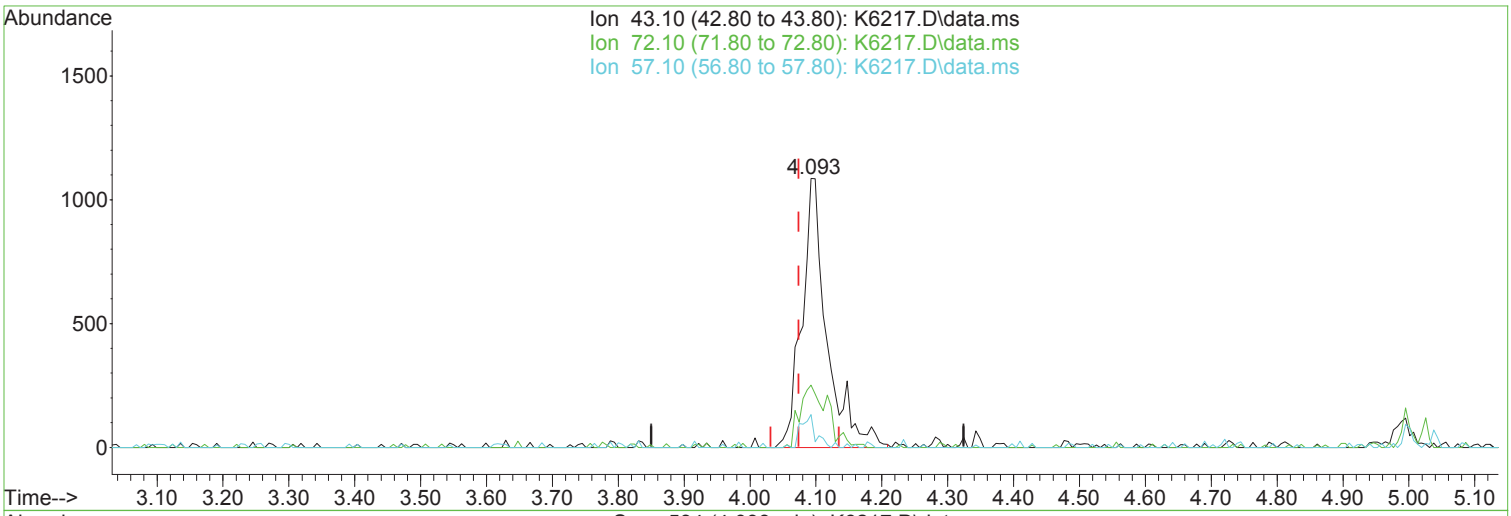
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.7	83.7
61	40.7	22.1	62.1

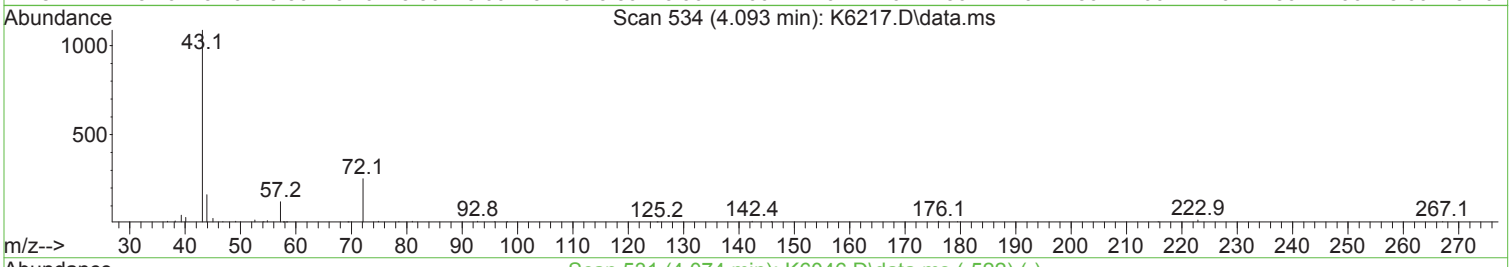


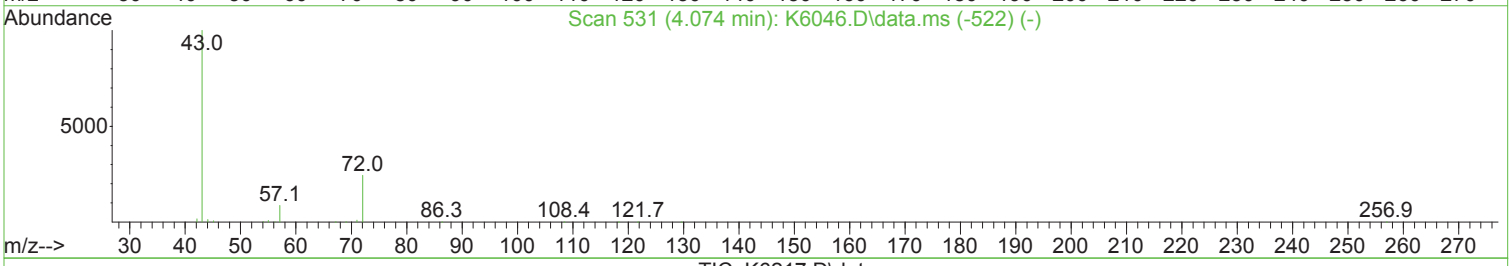
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6217.D
Acq On : 23 Sep 2024 07:38 pm
Operator : K.Ruest
Sample : R2409108-005
Misc : VERINA 8260 T2
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 24 09:58:01 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6217.D\data.ms

(34) 2-Butanone (P)

4.093min (+ 0.018) 1.47 ug/L m

response 2870

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	25.80	23.20
57.10	9.40	11.33
0.00	0.00	0.00

Manual Integration:

After

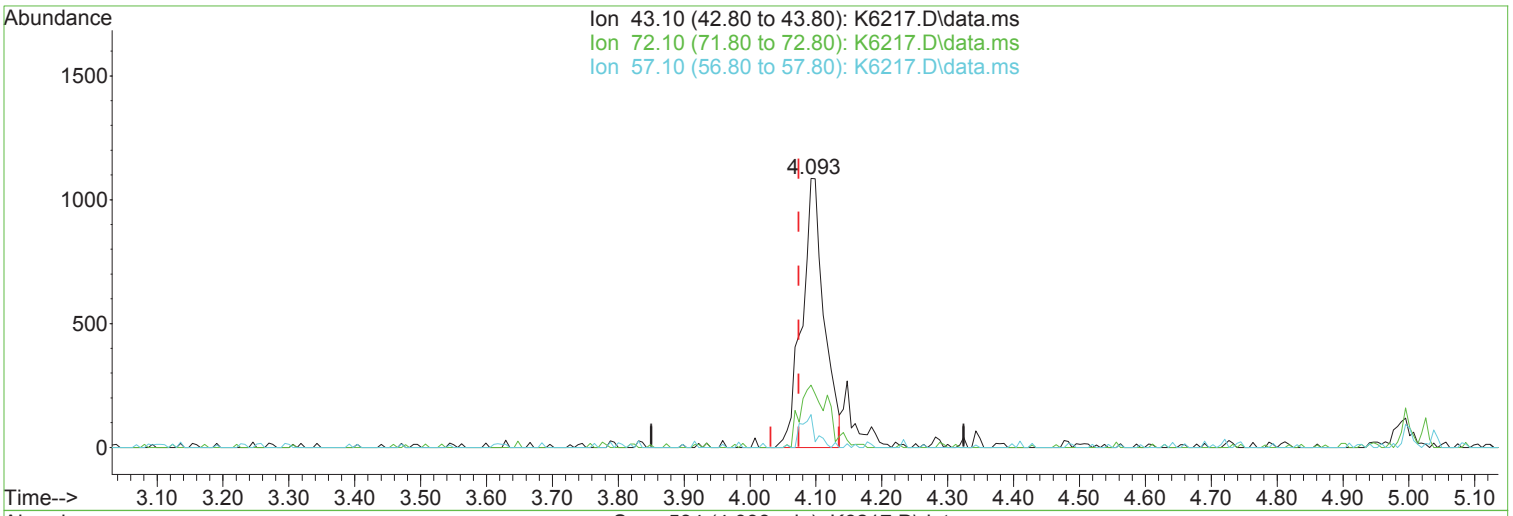
Poor integration.

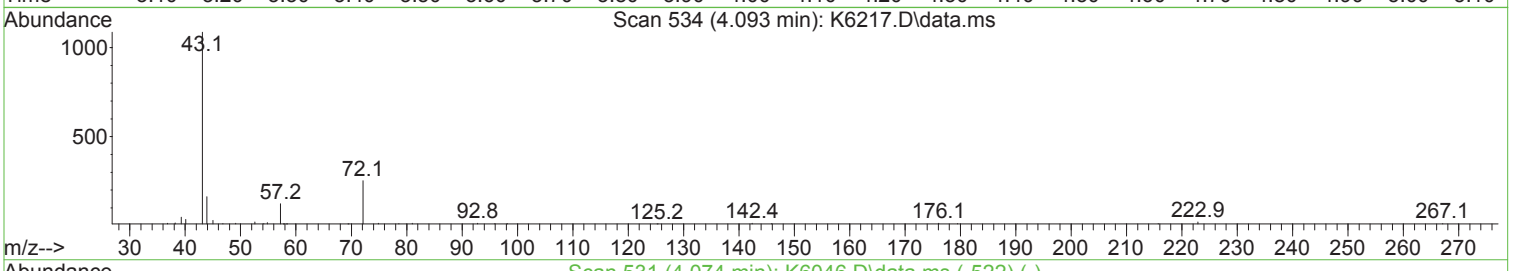
09/24/24

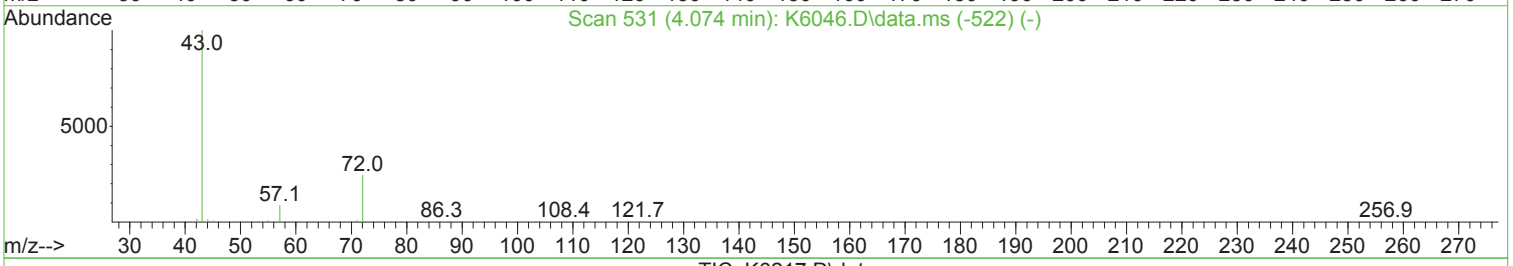
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6217.D
Acq On : 23 Sep 2024 07:38 pm
Operator : K.Ruest
Sample : R2409108-005
Misc : VERINA 8260 T2
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 24 09:58:01 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6217.D\data.ms

(34) 2-Butanone (P)

4.093min (+ 0.018) 1.30 ug/L

response 2526

Ion	Exp%	Act%
43.10	100.00	100.00
72.10	25.80	23.20
57.10	9.40	12.25
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6217.D
Acq On : 23 Sep 2024 07:38 pm
Operator : K.Ruest
Sample : R2409108-005
Misc : VERINA 8260 T2
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 24 09:58:01 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

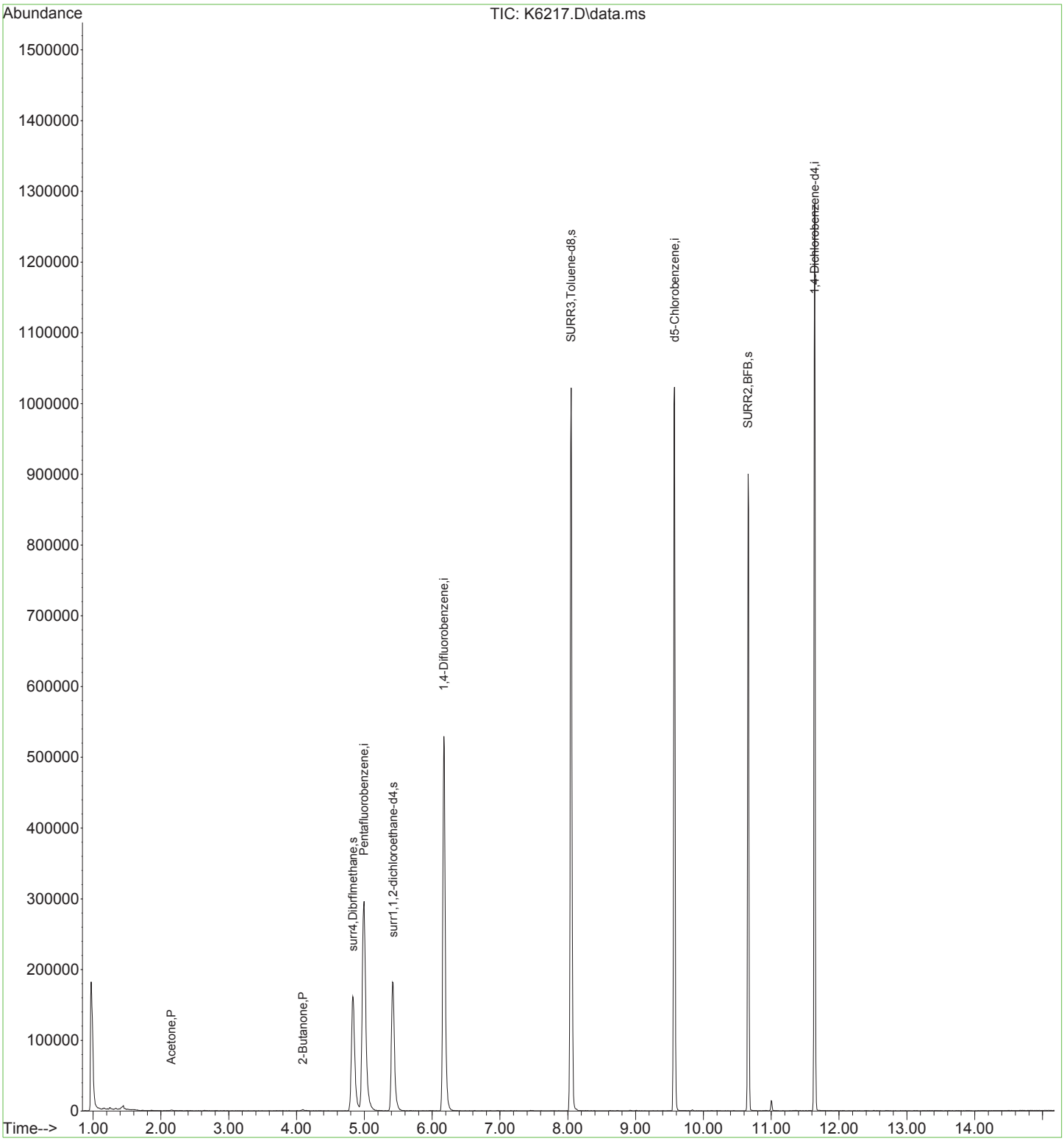
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	396578	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	608844	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	519947	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	271503	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	175402	47.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.26%			
47) surr1,1,2-dichloroetha...	5.422	65	204285	48.74	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.48%			
64) SURR3,Toluene-d8	8.049	98	692036	50.19	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.38%			
69) SURR2,BFB	10.659	95	252026	50.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.94%			
Target Compounds						Qvalue
16) Acetone	2.154	43	1438	0.939	ug/L	83
34) 2-Butanone	4.093	43	2870m	1.474	ug/L	

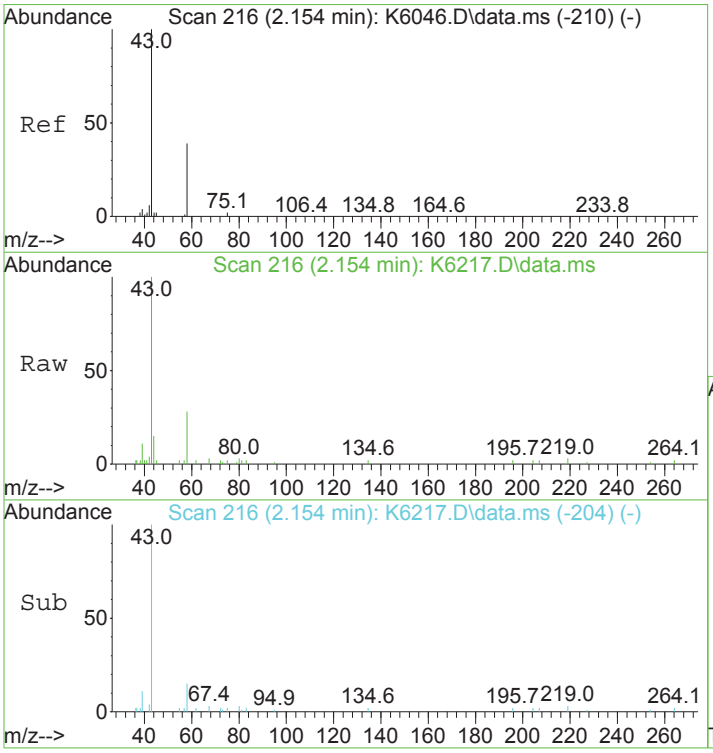
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6217.D
Acq On : 23 Sep 2024 07:38 pm
Operator : K.Ruest
Sample : R2409108-005
Misc : VERINA 8260 T2
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 24 09:58:01 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

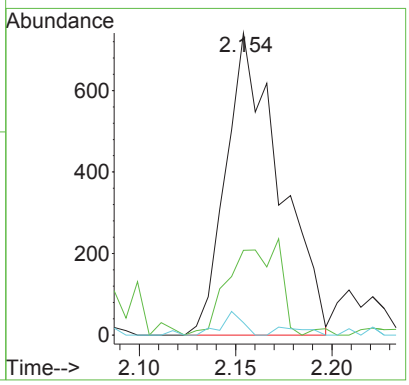


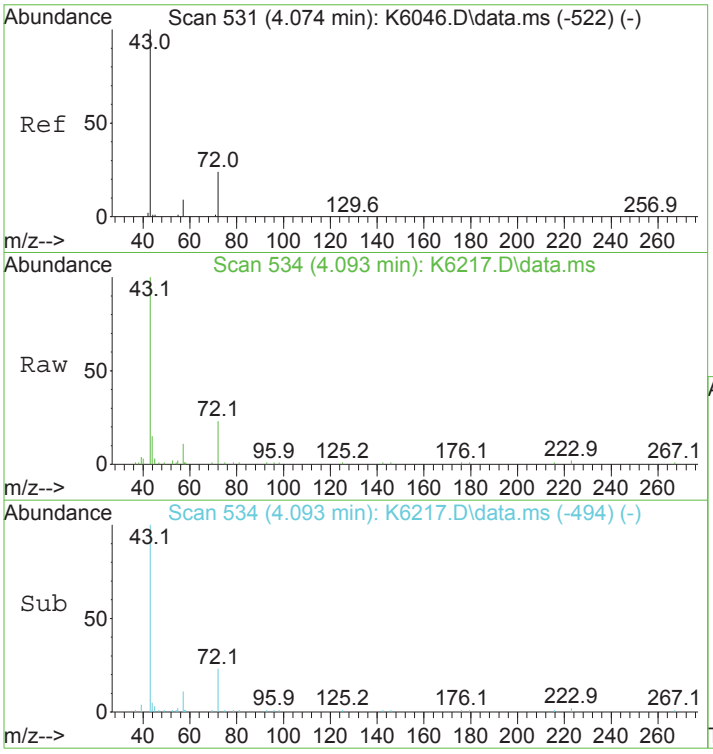


#16
Acetone
Concen: 0.94 ug/L
RT: 2.154 min Scan# 216
Delta R.T. 0.000 min
Lab File: K6217.D
Acq: 23 Sep 2024 07:38 pm

Tgt Ion: 43 Resp: 1438

Ion	Ratio	Lower	Upper
43	100		
58	28.1	19.6	59.6
42	4.2	0.0	26.6

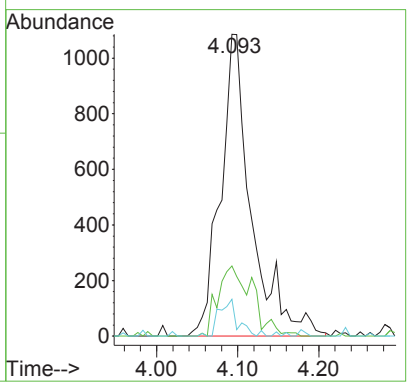




#34
2-Butanone
Concen: 1.47 ug/L m
RT: 4.093 min Scan# 534
Delta R.T. 0.018 min
Lab File: K6217.D
Acq: 23 Sep 2024 07:38 pm

Tgt Ion: 43 Resp: 2870

Ion	Ratio	Lower	Upper
43	100		
72	23.2	5.8	45.8
57	11.3	0.0	29.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6214.D
Acq On : 23 Sep 2024 06:29 pm
Operator : K.Ruest
Sample : R2409108-006
Misc : VERINA 8260 T2
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 18:54:16 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

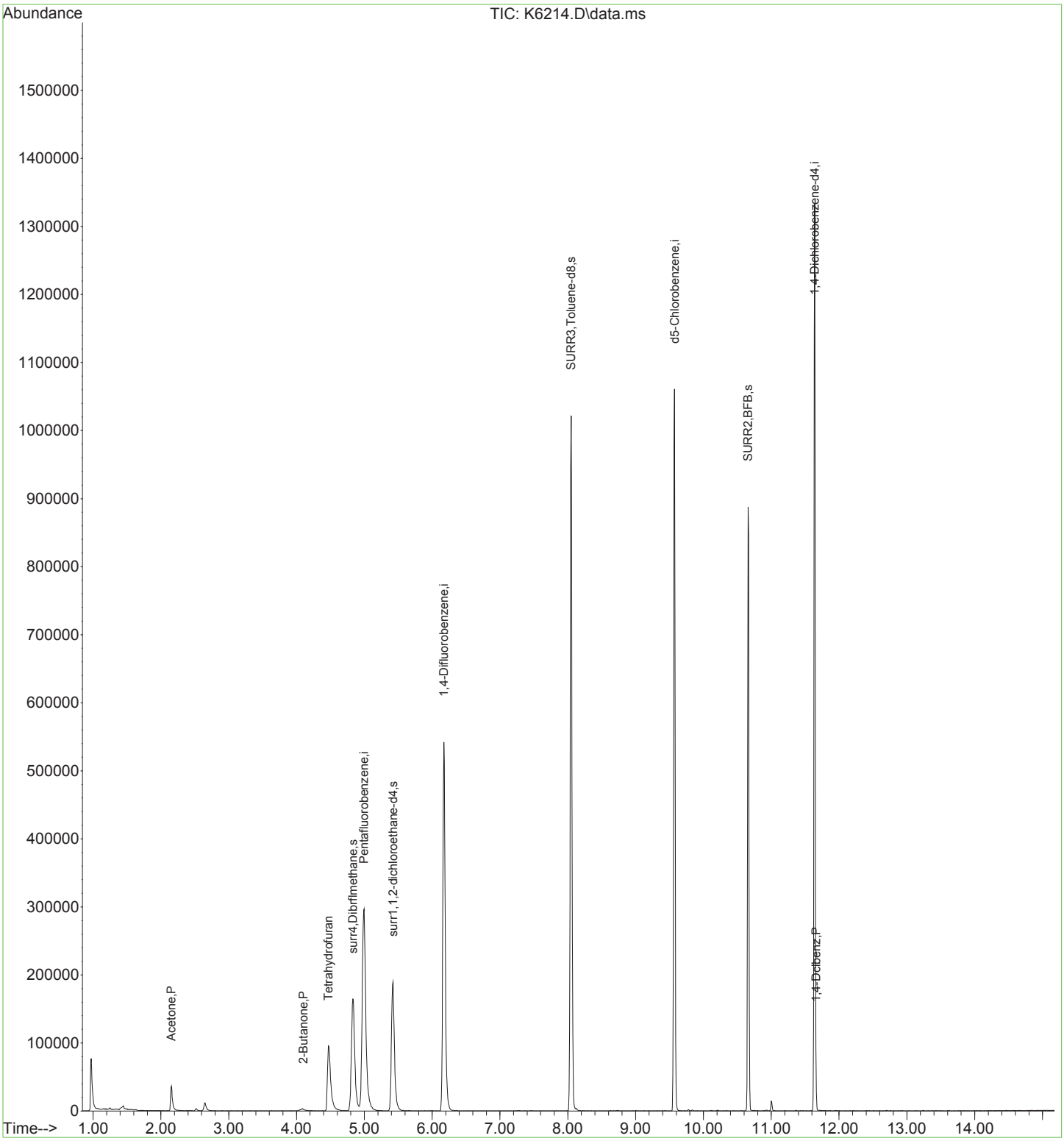
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	402957	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	618859	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	531833	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	277331	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	181392	48.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.92%			
47) surr1,1,2-dichloroetha...	5.422	65	207828	48.78	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.56%			
64) SURR3,Toluene-d8	8.049	98	694401	49.55	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.10%			
69) SURR2,BFB	10.659	95	251923	49.63	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.26%			
Target Compounds						Qvalue
16) Acetone	2.154	43	43163	27.750	ug/L	98
34) 2-Butanone	4.099	43	3535	1.787	ug/L	77
38) Tetrahydrofuran	4.471	42	100645	81.312	ug/L	88
105) 1,4-Dclbenz	11.658	146	7444	0.865	ug/L	93

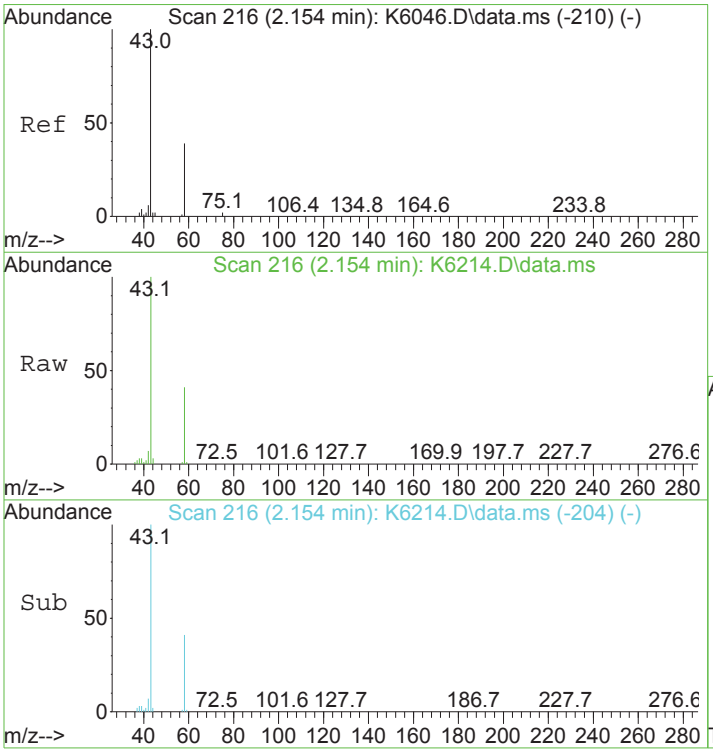
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6214.D
Acq On : 23 Sep 2024 06:29 pm
Operator : K.Ruest
Sample : R2409108-006
Misc : VERINA 8260 T2
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 18:54:16 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

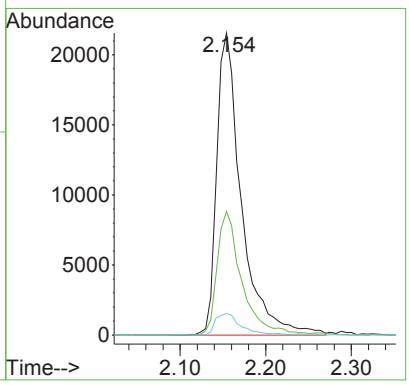


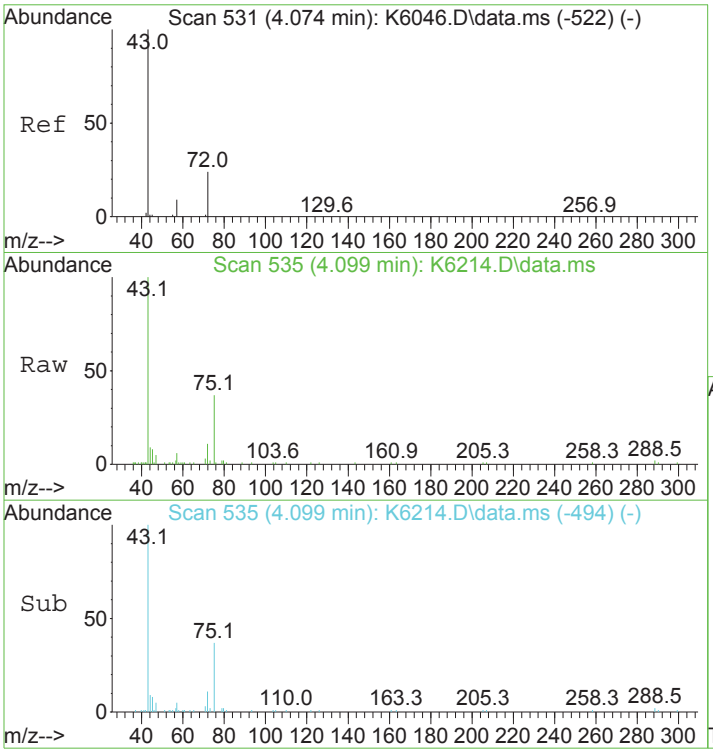


#16
Acetone
Concen: 27.75 ug/L
RT: 2.154 min Scan# 216
Delta R.T. 0.000 min
Lab File: K6214.D
Acq: 23 Sep 2024 06:29 pm

Tgt Ion: 43 Resp: 43163

Ion	Ratio	Lower	Upper
43	100		
58	41.0	19.6	59.6
42	7.2	0.0	26.6

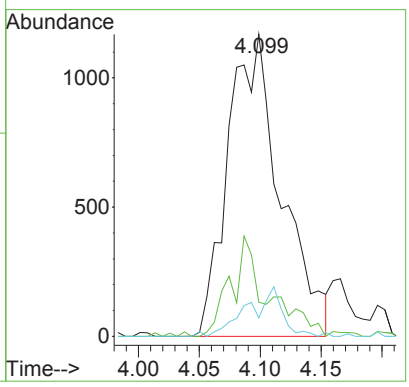


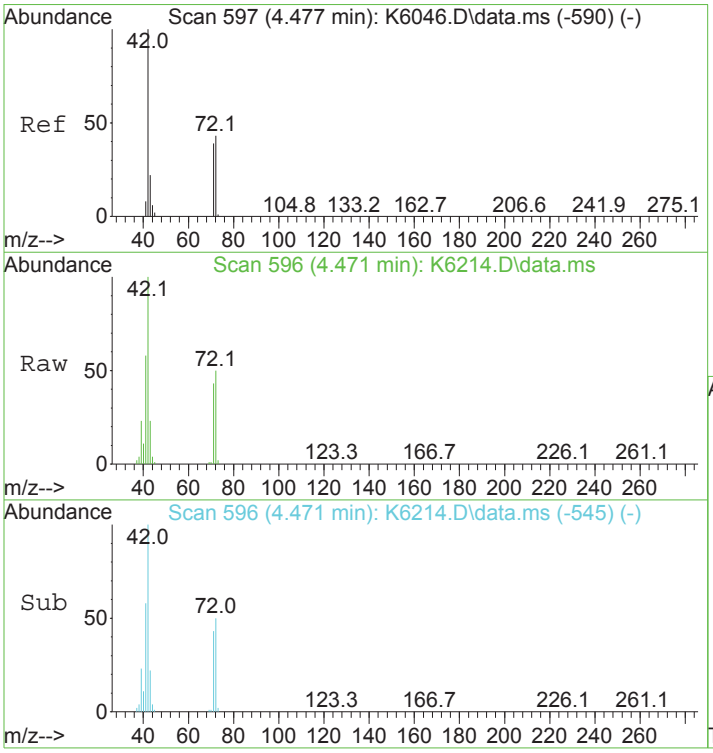


#34
2-Butanone
Concen: 1.79 ug/L
RT: 4.099 min Scan# 535
Delta R.T. 0.024 min
Lab File: K6214.D
Acq: 23 Sep 2024 06:29 pm

Tgt Ion: 43 Resp: 3535

Ion	Ratio	Lower	Upper
43	100		
72	11.3	5.8	45.8
57	6.1	0.0	29.4

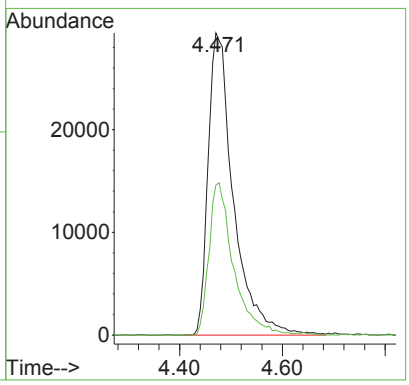


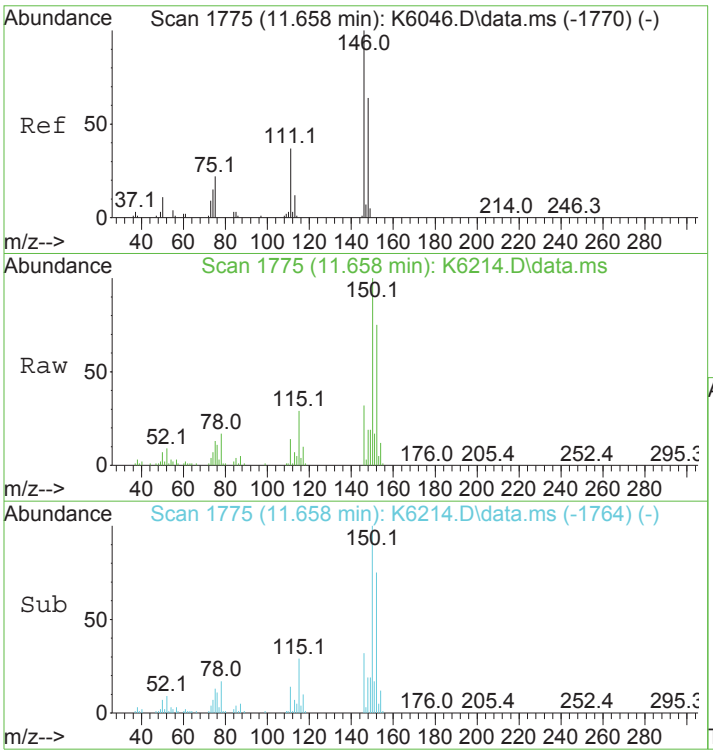


#38
Tetrahydrofuran
Concen: 81.31 ug/L
RT: 4.471 min Scan# 596
Delta R.T. -0.006 min
Lab File: K6214.D
Acq: 23 Sep 2024 06:29 pm

Tgt Ion: 42 Resp: 100645

Ion	Ratio	Lower	Upper
42	100		
72	49.6	22.3	62.3

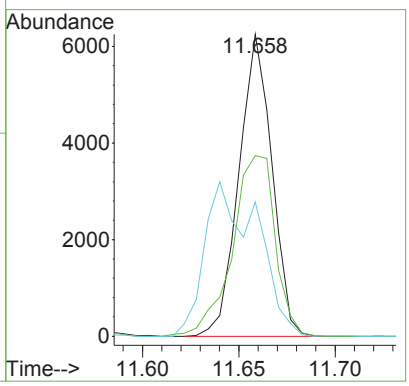




#105
1,4-Dclbenz
Concen: 0.87 ug/L
RT: 11.658 min Scan# 1775
Delta R.T. 0.000 min
Lab File: K6214.D
Acq: 23 Sep 2024 06:29 pm

Tgt Ion:146 Resp: 7444

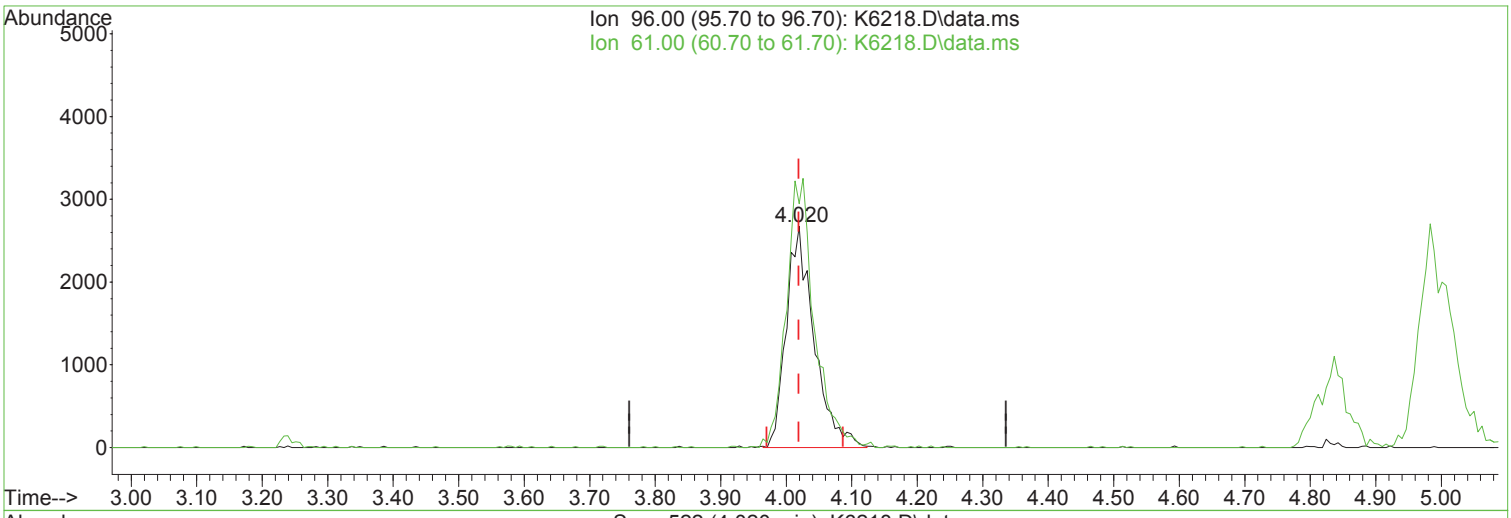
Ion	Ratio	Lower	Upper
146	100		
148	59.8	43.5	83.5
111	44.5	17.7	57.7

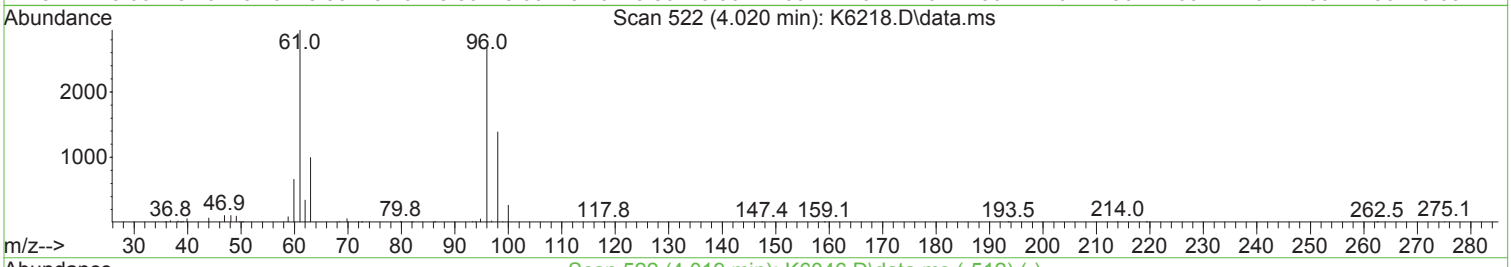


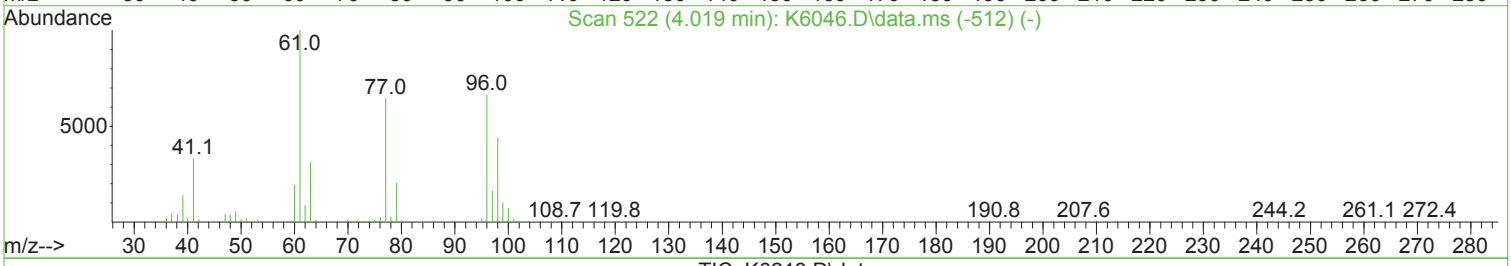
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6218.D
Acq On : 23 Sep 2024 08:01 pm
Operator : K.Ruest
Sample : R2409108-007
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 24 09:58:19 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6218.D\data.ms

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

4.020min (+ 0.000) 2.14 ug/L m

response 7890

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	151.50	110.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

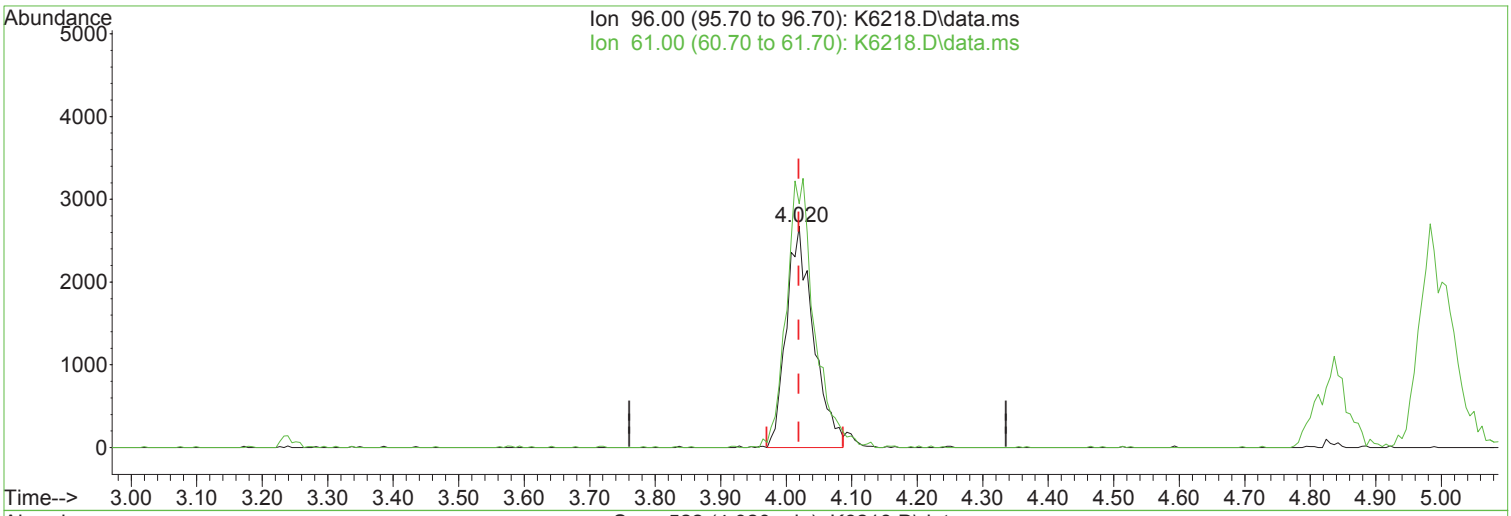
Poor integration.

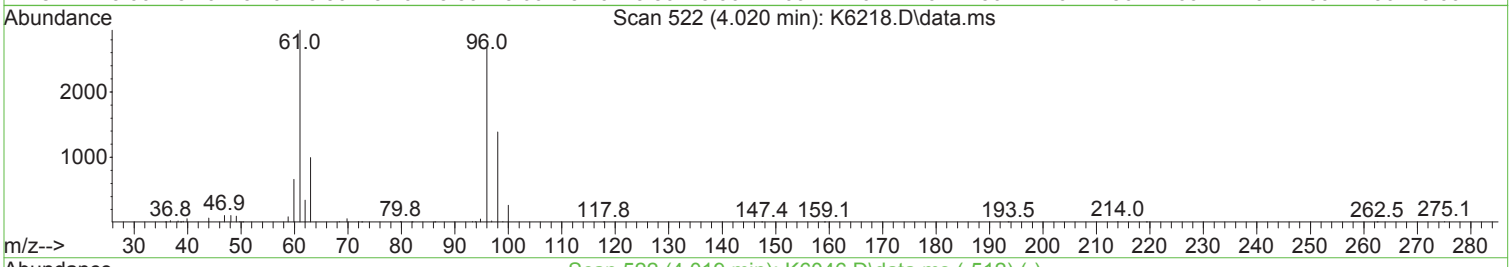
09/24/24

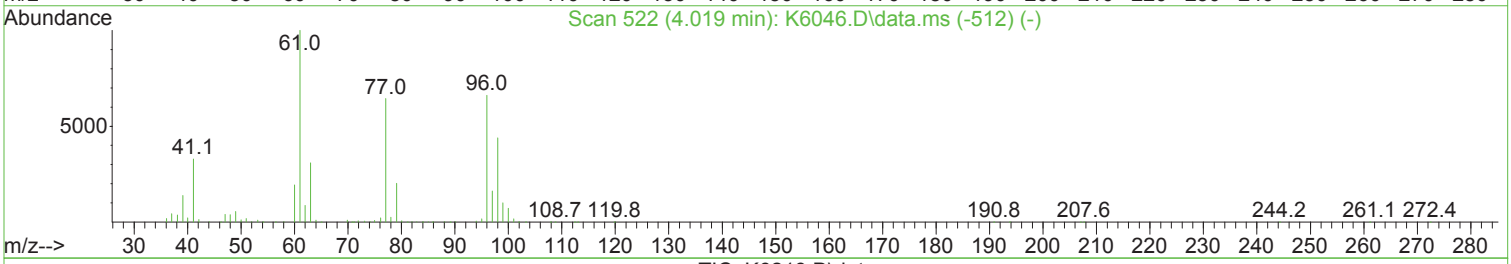
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6218.D
Acq On : 23 Sep 2024 08:01 pm
Operator : K.Ruest
Sample : R2409108-007
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 24 09:58:19 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6218.D\data.ms

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

4.020min (+ 0.000) 2.09 ug/L

response 7694

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	151.50	110.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

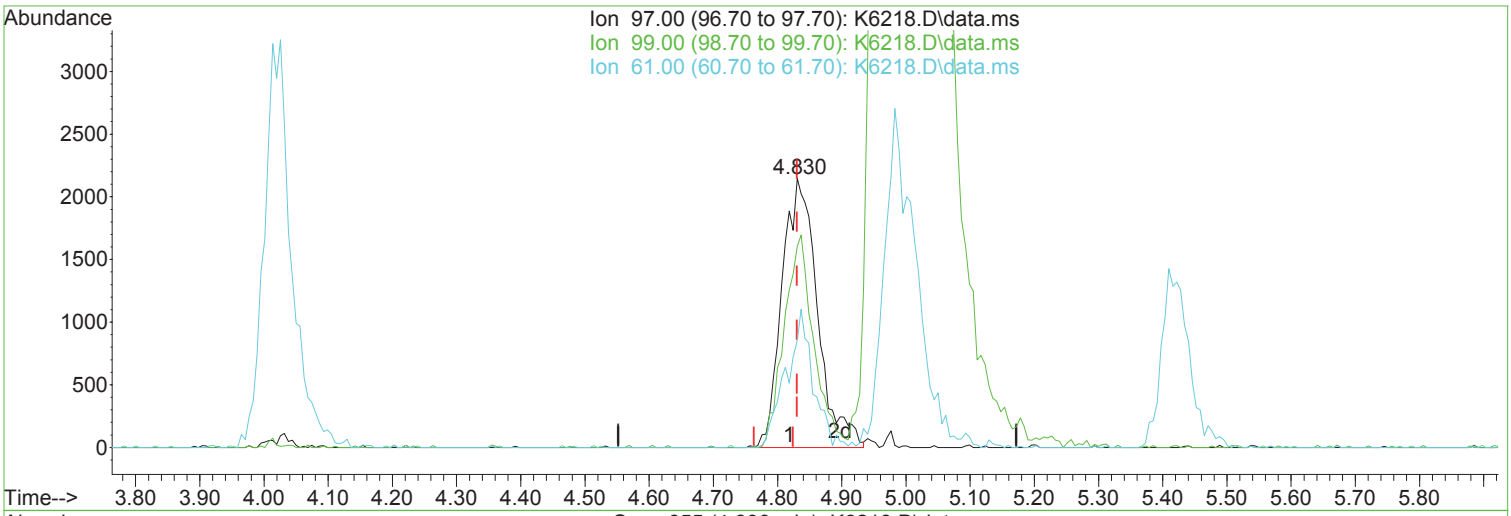
Before

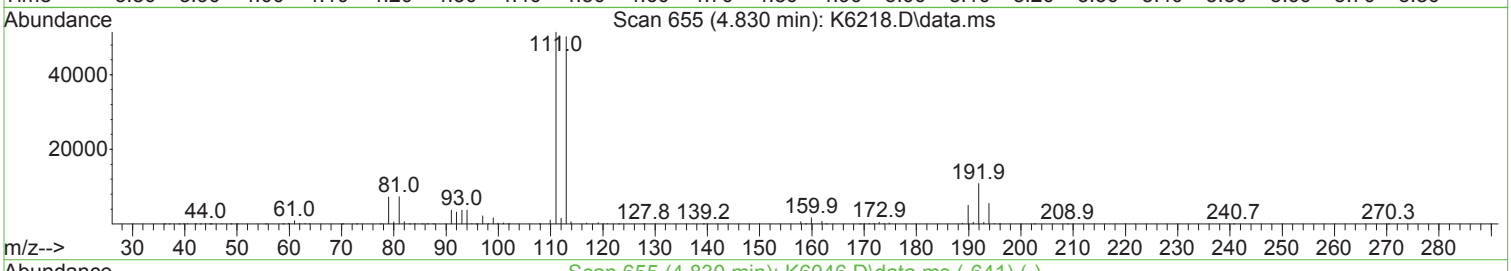
09/24/24

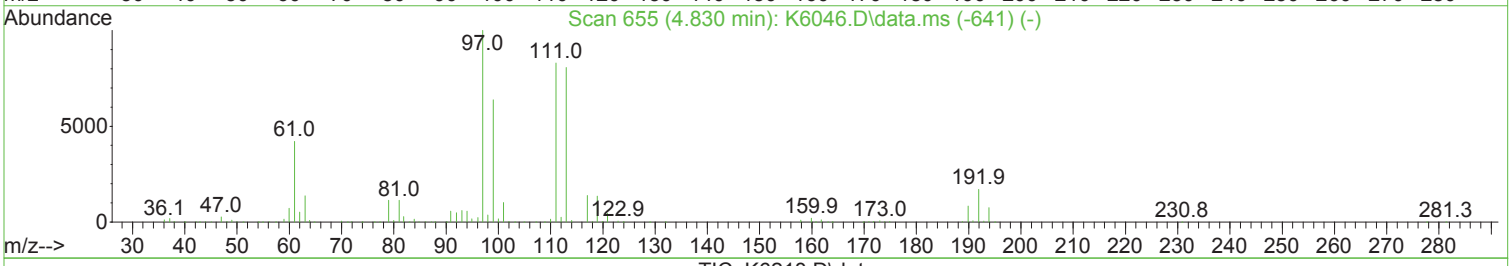
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6218.D
Acq On : 23 Sep 2024 08:01 pm
Operator : K.Ruest
Sample : R2409108-007
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 24 09:58:19 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6218.D\data.ms

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

4.830min (+ 0.000) 1.61 ug/L m

response 8233

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	74.79
61.00	42.10	39.84
0.00	0.00	0.00

Manual Integration:

After

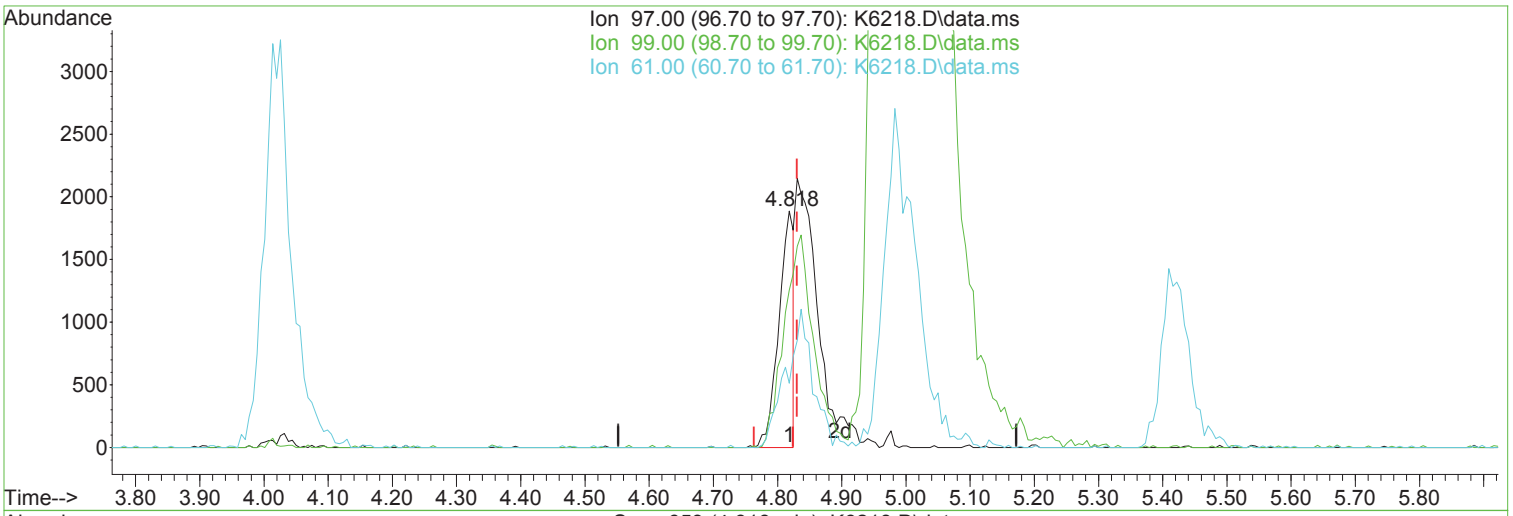
Split Peak.

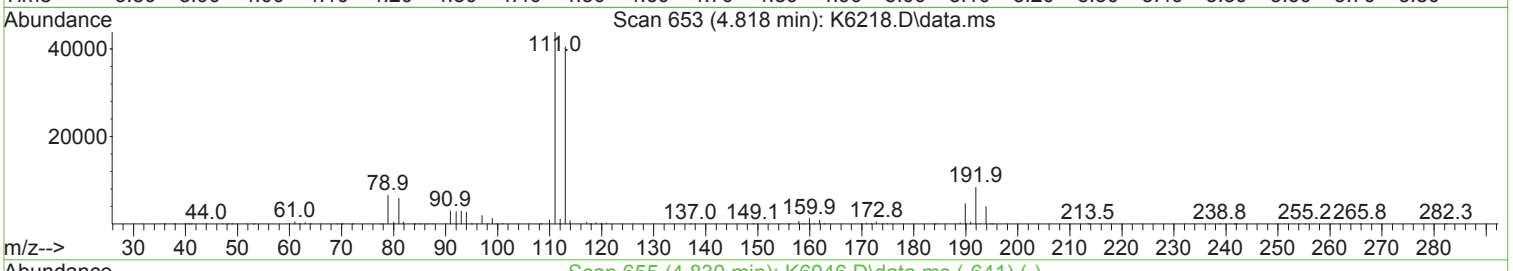
09/24/24

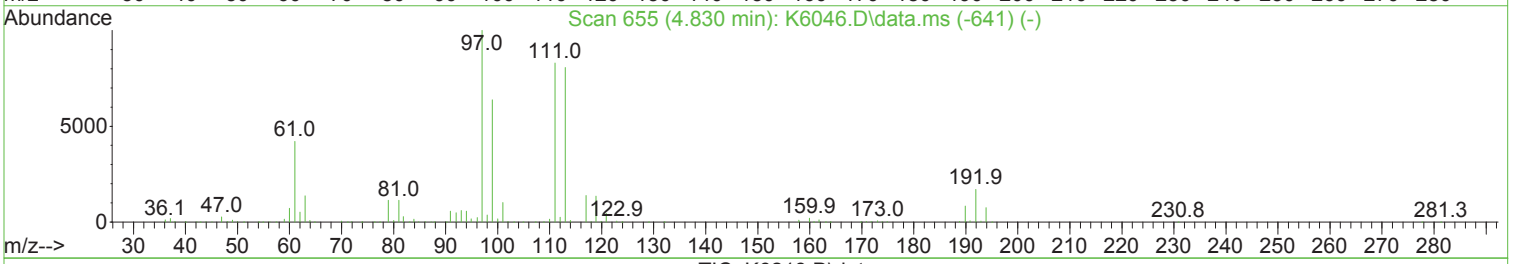
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6218.D
Acq On : 23 Sep 2024 08:01 pm
Operator : K.Ruest
Sample : R2409108-007
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 24 09:58:19 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6218.D\data.ms

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

4.818min (-0.012) 0.60 ug/L

response 3088

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	66.51
61.00	42.10	27.19
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6218.D
Acq On : 23 Sep 2024 08:01 pm
Operator : K.Ruest
Sample : R2409108-007
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 24 09:58:19 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

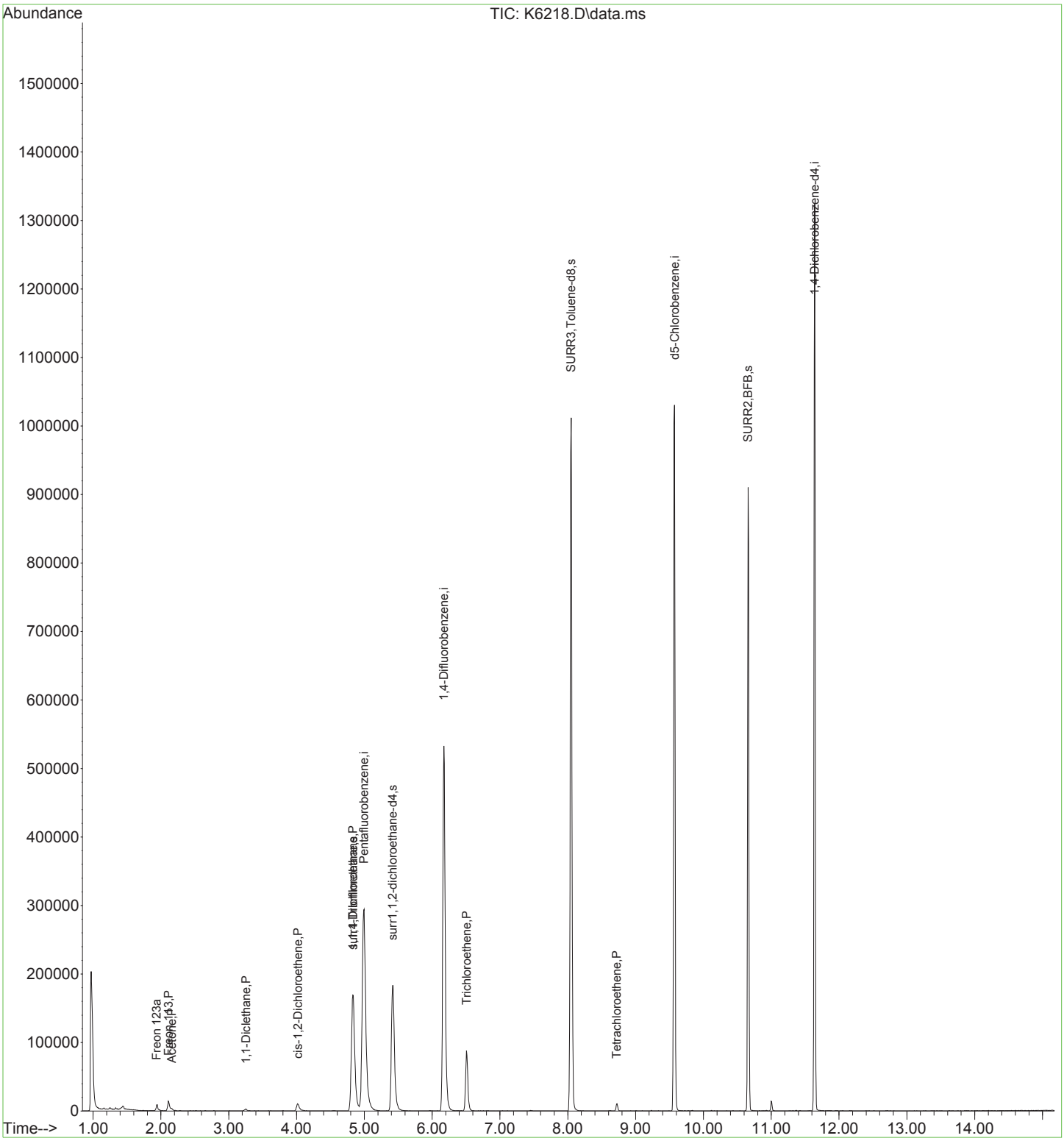
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	394223	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	607094	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	518979	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	272359	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.837	113	177704	48.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.80%			
47) surr1,1,2-dichloroetha...	5.416	65	207377	49.62	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.24%			
64) SURR3,Toluene-d8	8.049	98	696158	50.64	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.28%			
69) SURR2,BFB	10.659	95	252063	50.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.24%			
Target Compounds						Qvalue
11) Freon 123a	1.935	67	4752	1.344	ug/L	95
15) Freon 113	2.111	101	6112	1.866	ug/L	94
16) Acetone	2.160	43	2516	1.653	ug/L	92
27) 1,1-Diclethane	3.258	63	3043	0.488	ug/L	81
33) cis-1,2-Dichloroethene	4.020	96	7890m	2.140	ug/L	
40) 1,1,1-Trichloroethane	4.830	97	8233m	1.606	ug/L	
53) Trichloroethene	6.507	130	39984	9.794	ug/L	98
71) Tetrachloroethene	8.720	164	2417	0.764	ug/L	91

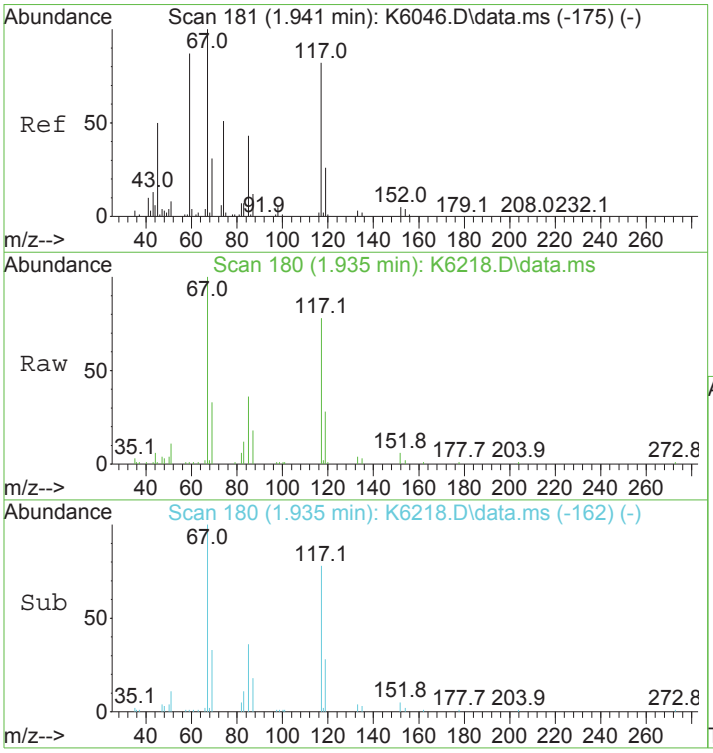
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6218.D
Acq On : 23 Sep 2024 08:01 pm
Operator : K.Ruest
Sample : R2409108-007
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 24 09:58:19 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

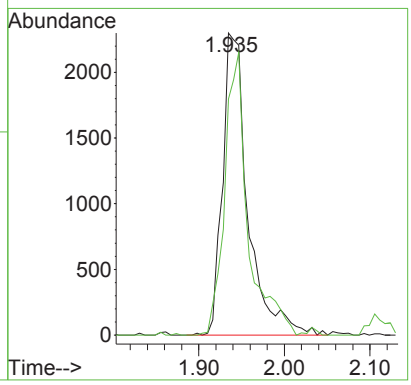


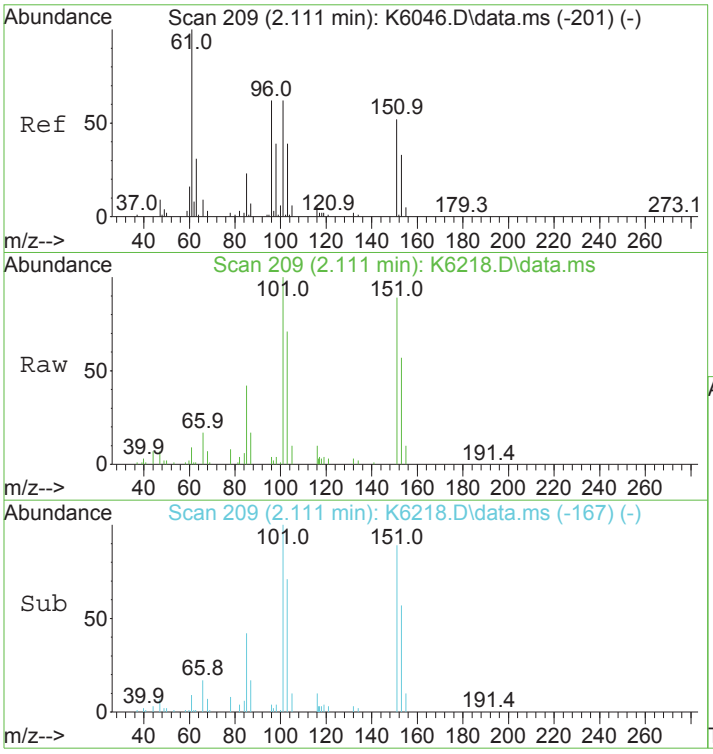


#11
Freon 123a
Concen: 1.34 ug/L
RT: 1.935 min Scan# 180
Delta R.T. -0.006 min
Lab File: K6218.D
Acq: 23 Sep 2024 08:01 pm

Tgt Ion: 67 Resp: 4752

Ion	Ratio	Lower	Upper
67	100		
117	78.1	62.2	102.2

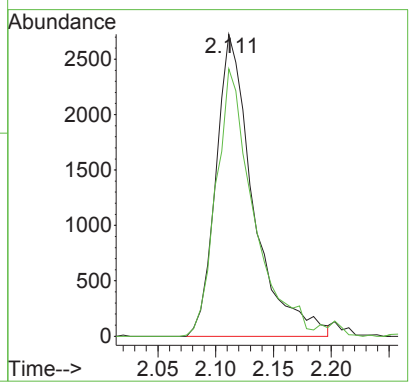


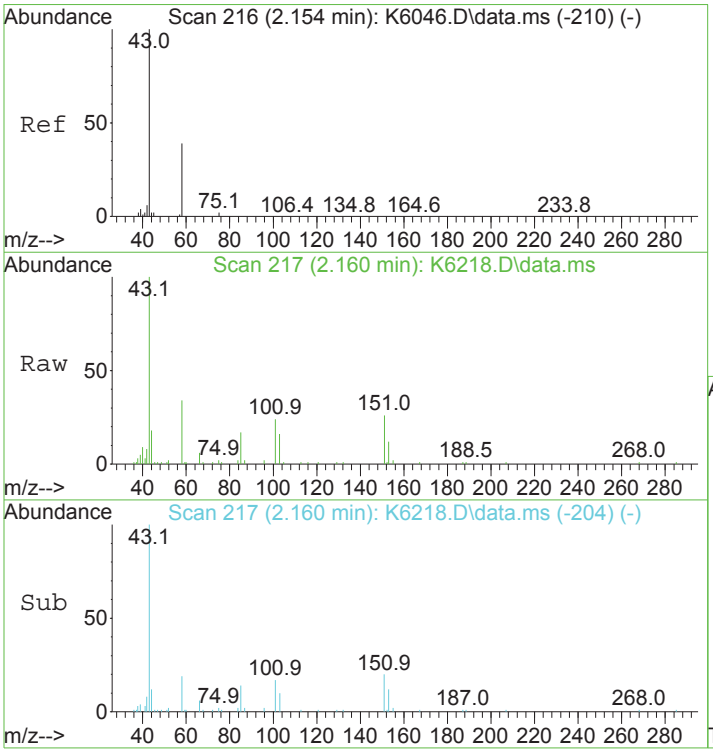


#15
Freon 113
Concen: 1.87 ug/L
RT: 2.111 min Scan# 209
Delta R.T. 0.000 min
Lab File: K6218.D
Acq: 23 Sep 2024 08:01 pm

Tgt Ion:101 Resp: 6112

Ion	Ratio	Lower	Upper
101	100		
151	88.6	63.3	103.3

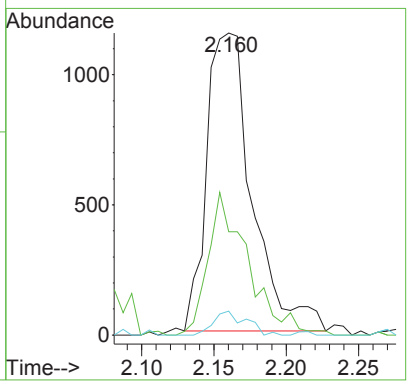


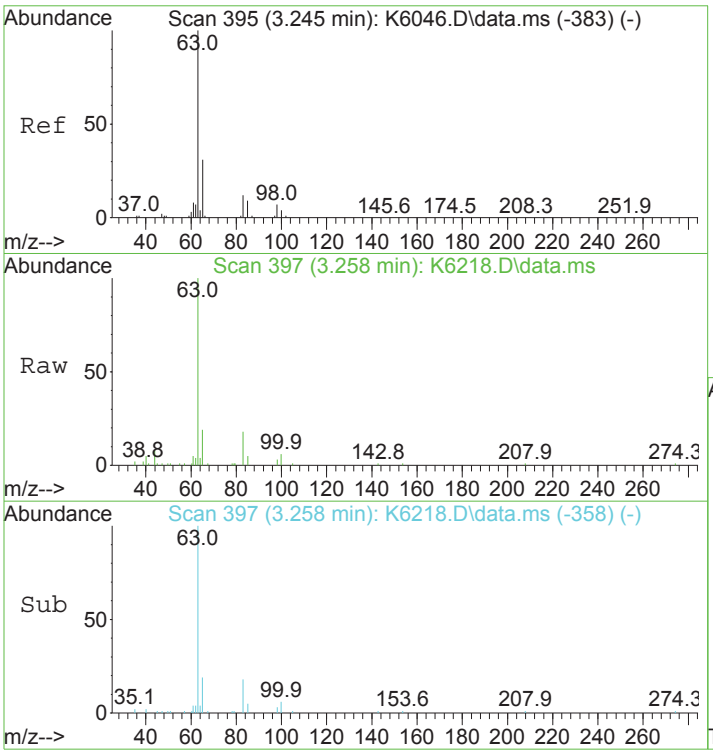


#16
Acetone
Concen: 1.65 ug/L
RT: 2.160 min Scan# 217
Delta R.T. 0.006 min
Lab File: K6218.D
Acq: 23 Sep 2024 08:01 pm

Tgt Ion: 43 Resp: 2516

Ion	Ratio	Lower	Upper
43	100		
58	34.1	19.6	59.6
42	7.9	0.0	26.6

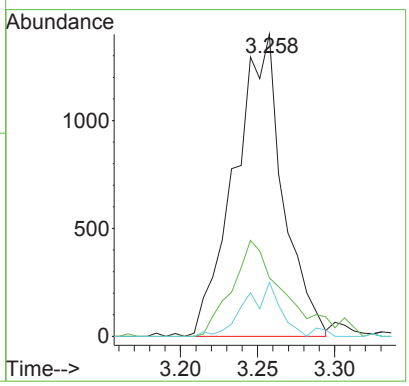


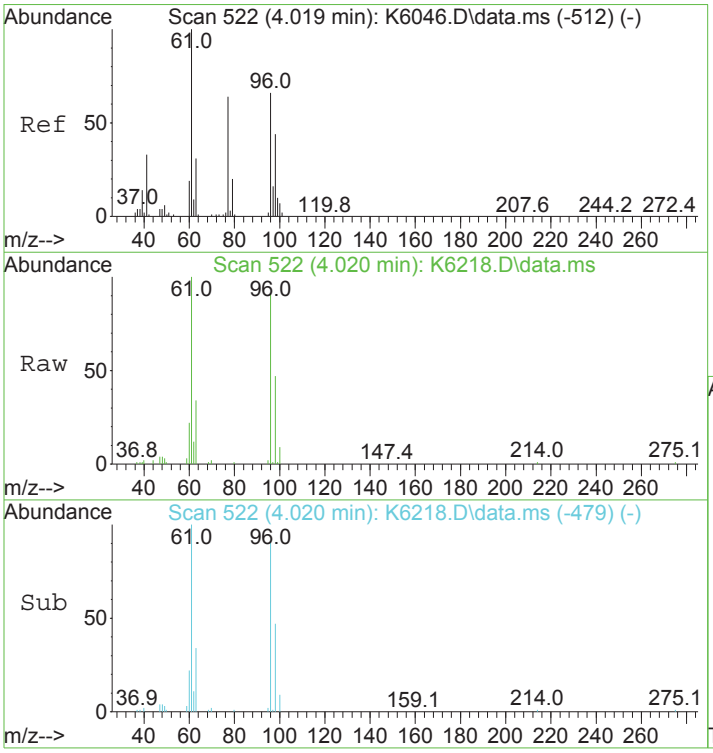


#27
1,1-Diclethane
Concen: 0.49 ug/L
RT: 3.258 min Scan# 397
Delta R.T. 0.012 min
Lab File: K6218.D
Acq: 23 Sep 2024 08:01 pm

Tgt Ion: 63 Resp: 3043

Ion	Ratio	Lower	Upper
63	100		
65	19.4	10.5	50.5
83	17.9	0.0	32.3

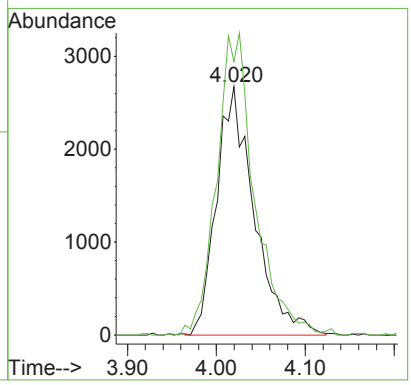


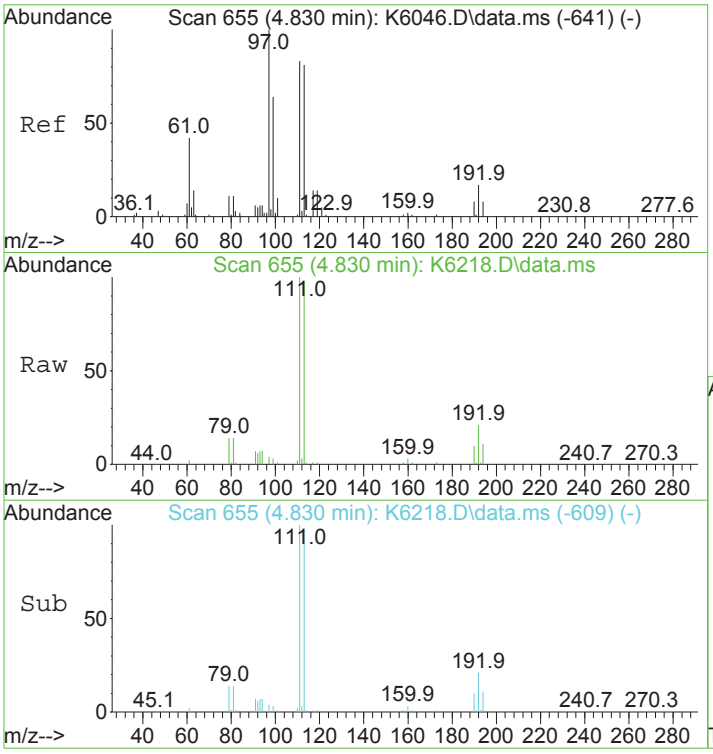


#33
cis-1,2-Dichloroethene
Concen: 2.14 ug/L m
RT: 4.020 min Scan# 522
Delta R.T. 0.000 min
Lab File: K6218.D
Acq: 23 Sep 2024 08:01 pm

Tgt Ion: 96 Resp: 7890

Ion	Ratio	Lower	Upper
96	100		
61	110.3	131.5	171.5#

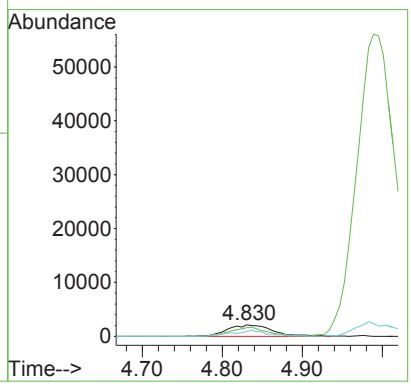


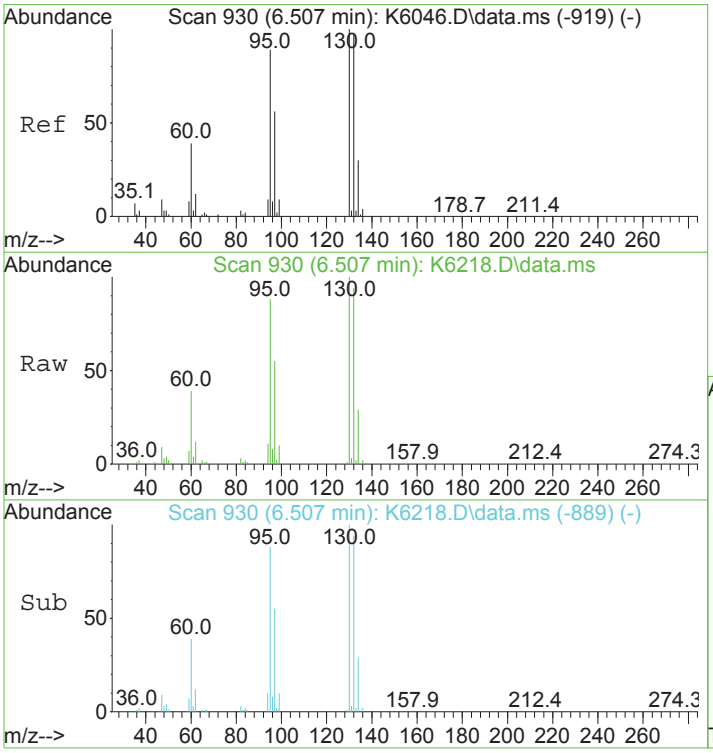


#40
1,1,1-Trichloroethane
Concen: 1.61 ug/L m
RT: 4.830 min Scan# 655
Delta R.T. 0.000 min
Lab File: K6218.D
Acq: 23 Sep 2024 08:01 pm

Tgt Ion: 97 Resp: 8233

Ion	Ratio	Lower	Upper
97	100		
99	74.8	43.7	83.7
61	39.8	22.1	62.1

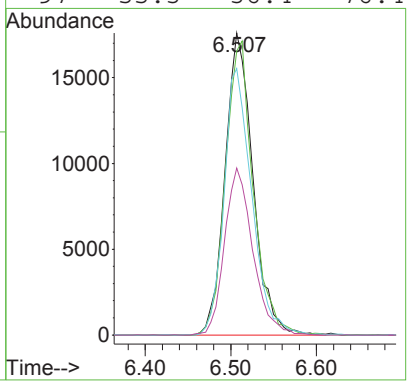


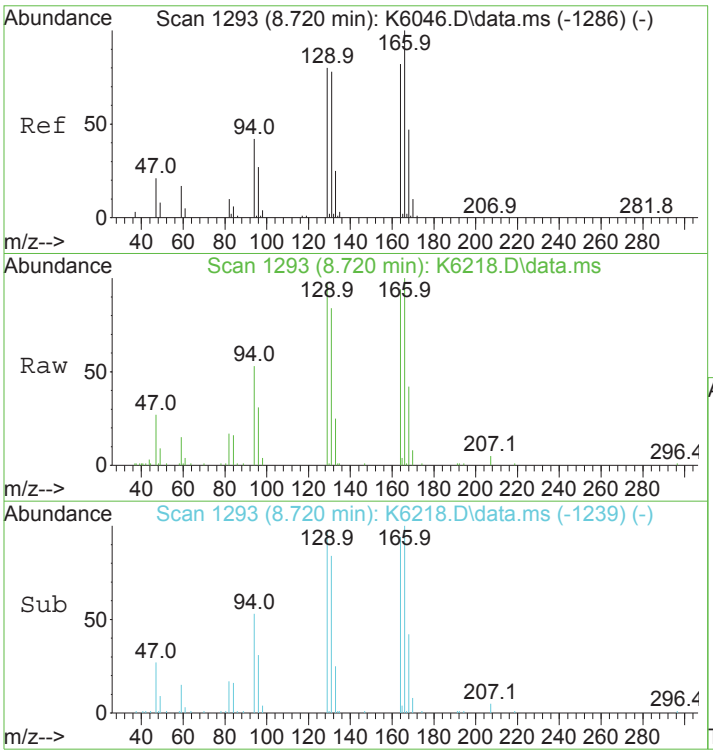


#53
Trichloroethene
Concen: 9.79 ug/L
RT: 6.507 min Scan# 930
Delta R.T. 0.000 min
Lab File: K6218.D
Acq: 23 Sep 2024 08:01 pm

Tgt Ion:130 Resp: 39984

Ion	Ratio	Lower	Upper
130	100		
132	94.0	76.7	116.7
95	88.2	68.5	108.5
97	55.3	36.4	76.4

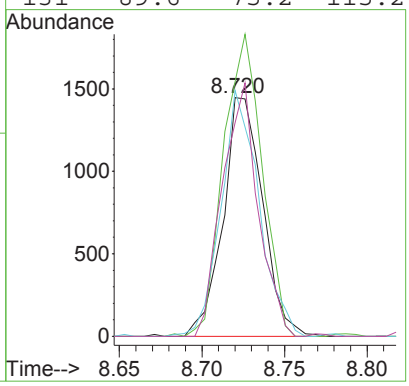




#71
Tetrachloroethene
Concen: 0.76 ug/L
RT: 8.720 min Scan# 1293
Delta R.T. 0.000 min
Lab File: K6218.D
Acq: 23 Sep 2024 08:01 pm

Tgt Ion:164 Resp: 2417

Ion	Ratio	Lower	Upper
164	100		
166	106.6	102.1	142.1
129	103.0	77.1	117.1
131	89.6	75.2	115.2



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6219.D
Acq On : 23 Sep 2024 08:24 pm
Operator : K.Ruest
Sample : R2409108-008
Misc : VERINA 8260 T2
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 24 09:58:35 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

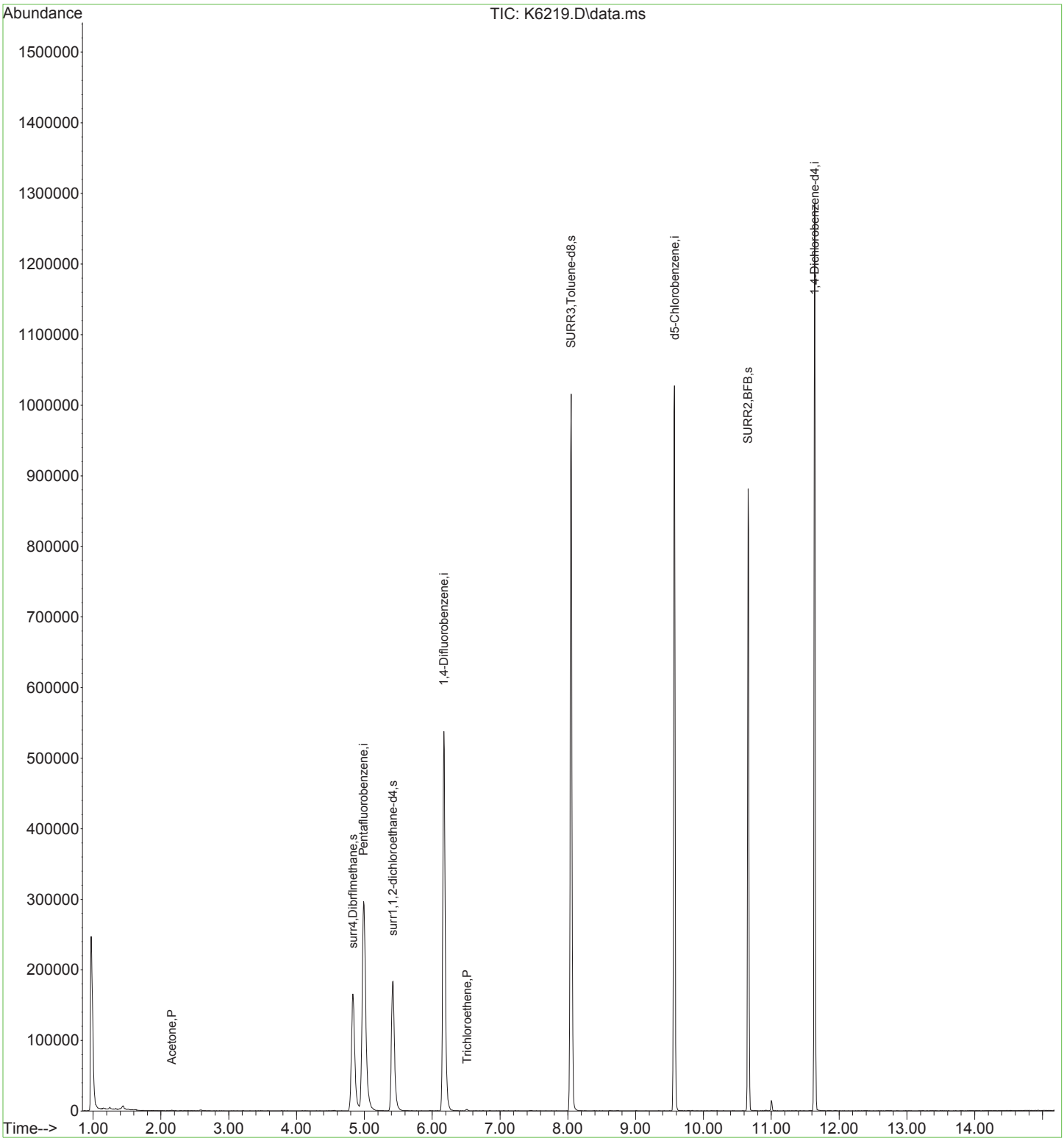
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	401096	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	610915	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	524484	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	271106	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	178174	48.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.44%			
47) surr1,1,2-dichloroetha...	5.422	65	205124	48.77	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.54%			
64) SURR3,Toluene-d8	8.049	98	688661	49.78	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.56%			
69) SURR2,BFB	10.659	95	243724	48.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.28%			
Target Compounds						Qvalue
16) Acetone	2.160	43	797	0.515	ug/L #	48
53) Trichloroethene	6.513	130	913	0.222	ug/L	92

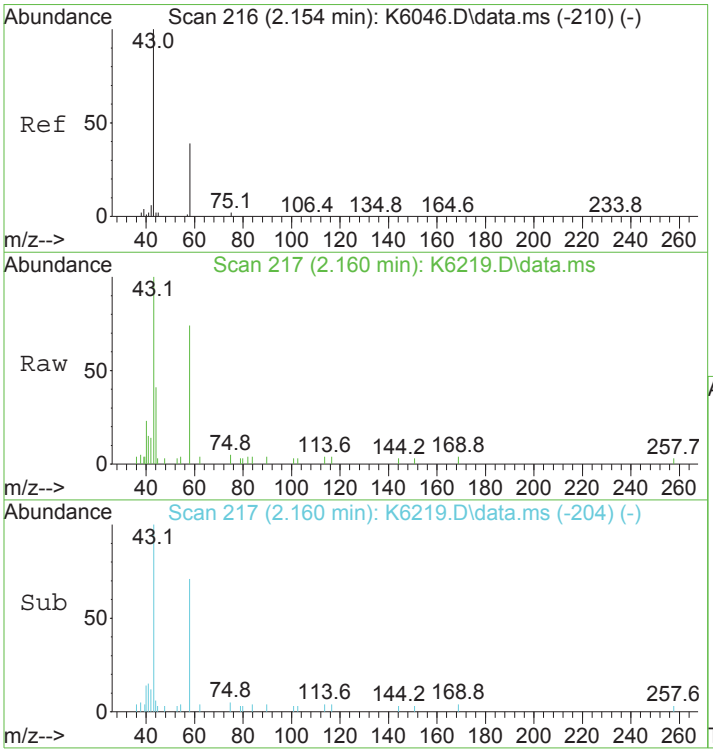
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6219.D
Acq On : 23 Sep 2024 08:24 pm
Operator : K.Ruest
Sample : R2409108-008
Misc : VERINA 8260 T2
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 24 09:58:35 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

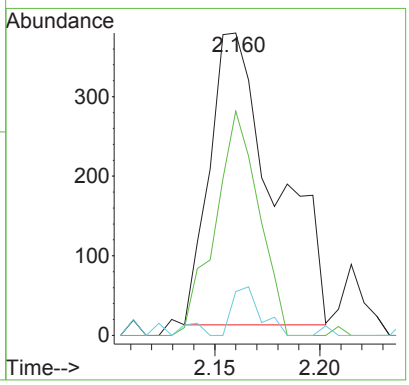


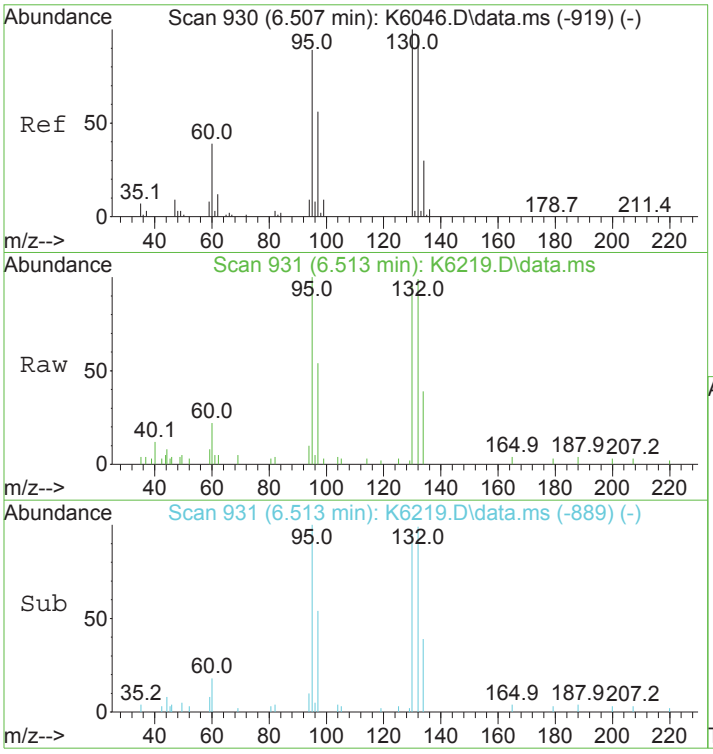


#16
Acetone
Concen: 0.51 ug/L
RT: 2.160 min Scan# 217
Delta R.T. 0.006 min
Lab File: K6219.D
Acq: 23 Sep 2024 08:24 pm

Tgt Ion: 43 Resp: 797

Ion	Ratio	Lower	Upper
43	100		
58	74.2	19.6	59.6#
42	14.5	0.0	26.6

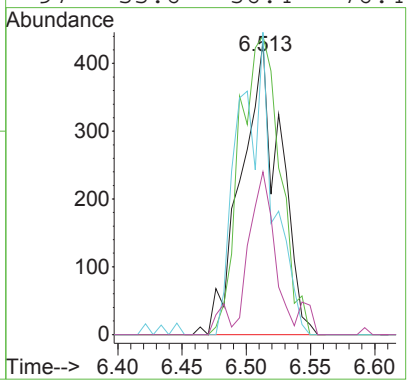




#53
Trichloroethene
Concen: 0.22 ug/L
RT: 6.513 min Scan# 931
Delta R.T. 0.006 min
Lab File: K6219.D
Acq: 23 Sep 2024 08:24 pm

Tgt Ion:130 Resp: 913

Ion	Ratio	Lower	Upper
130	100		
132	102.1	76.7	116.7
95	103.2	68.5	108.5
97	55.6	36.4	76.4



1st KR 09/24/24
2nd FJ 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6229.D
Acq On : 24 Sep 2024 12:14 am
Operator : K.Ruest
Sample : R2409108-009
Misc : VERINA 8260 T2
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 24 10:27:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

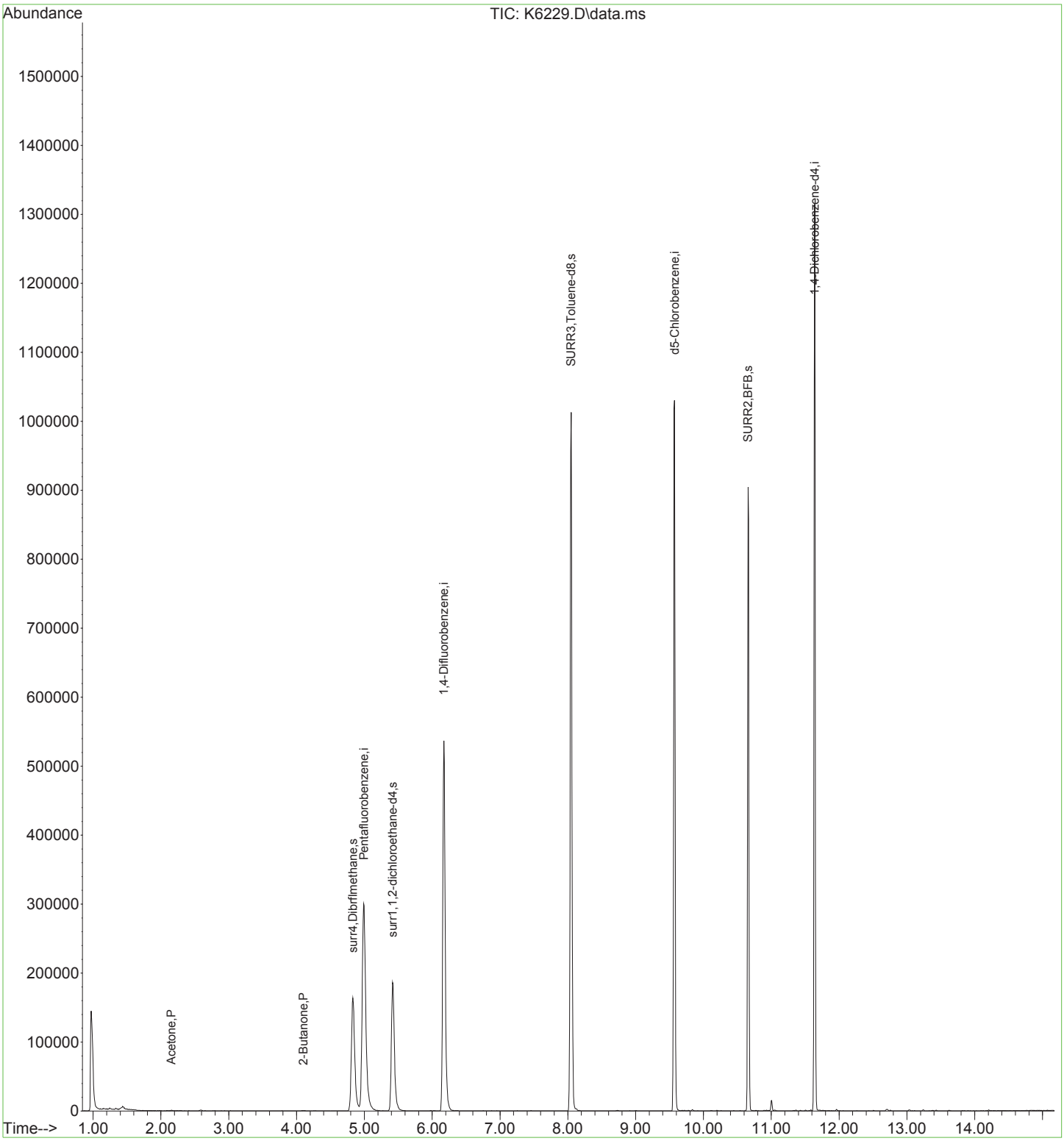
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	404046	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	615730	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	526875	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	274841	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	178584	47.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.90%			
47) surr1,1,2-dichloroetha...	5.416	65	207047	48.84	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.68%			
64) SURR3,Toluene-d8	8.049	98	697166	50.00	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.00%			
69) SURR2,BFB	10.659	95	255525	50.60	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.20%			
Target Compounds						Qvalue
16) Acetone	2.154	43	1087	0.697	ug/L	87
34) 2-Butanone	4.099	43	873	0.440	ug/L	84

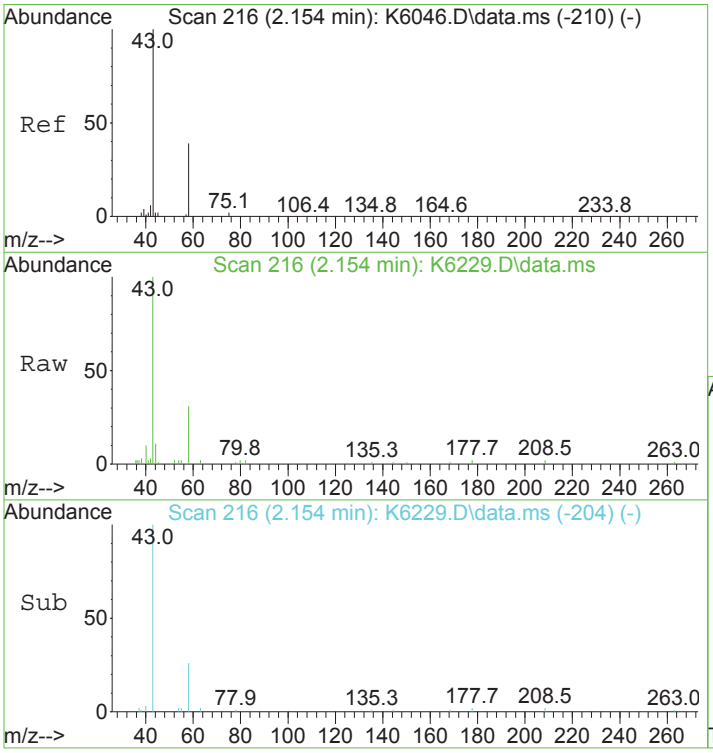
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6229.D
Acq On : 24 Sep 2024 12:14 am
Operator : K.Ruest
Sample : R2409108-009
Misc : VERINA 8260 T2
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 24 10:27:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

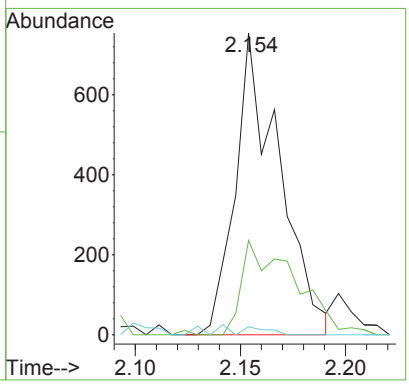


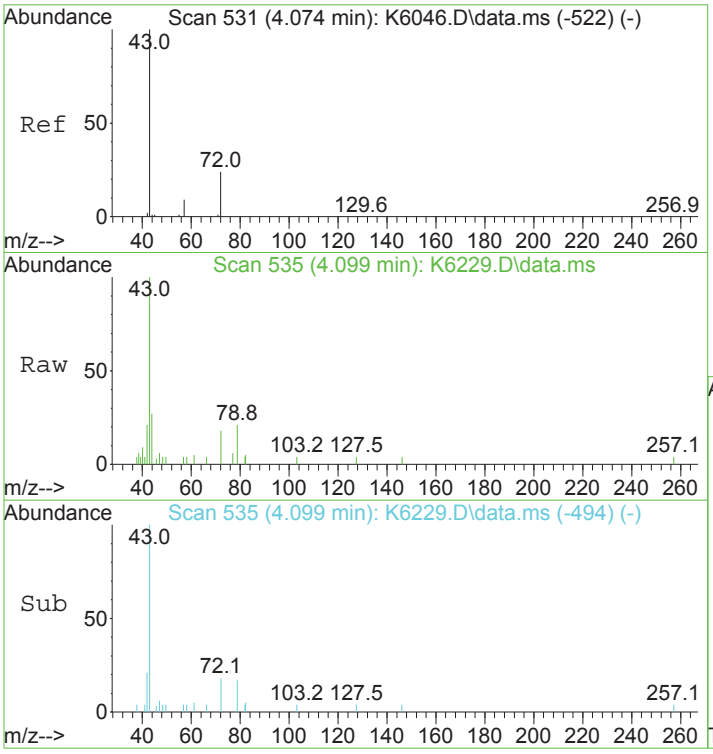


#16
Acetone
Concen: 0.70 ug/L
RT: 2.154 min Scan# 216
Delta R.T. -0.000 min
Lab File: K6229.D
Acq: 24 Sep 2024 12:14 am

Tgt Ion: 43 Resp: 1087

Ion	Ratio	Lower	Upper
43	100		
58	31.3	19.6	59.6
42	2.7	0.0	26.6

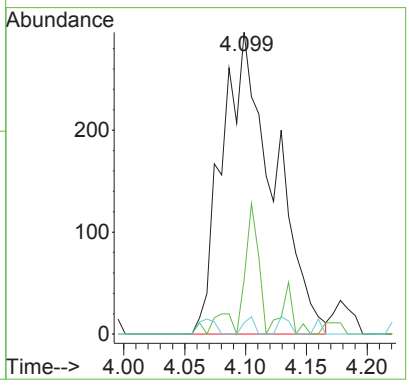




#34
2-Butanone
Concen: 0.44 ug/L
RT: 4.099 min Scan# 535
Delta R.T. 0.024 min
Lab File: K6229.D
Acq: 24 Sep 2024 12:14 am

Tgt Ion: 43 Resp: 873

Ion	Ratio	Lower	Upper
43	100		
72	17.9	5.8	45.8
57	3.7	0.0	29.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6215.D
Acq On : 23 Sep 2024 06:52 pm
Operator : K.Ruest
Sample : R2409108-011
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 09:57:23 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

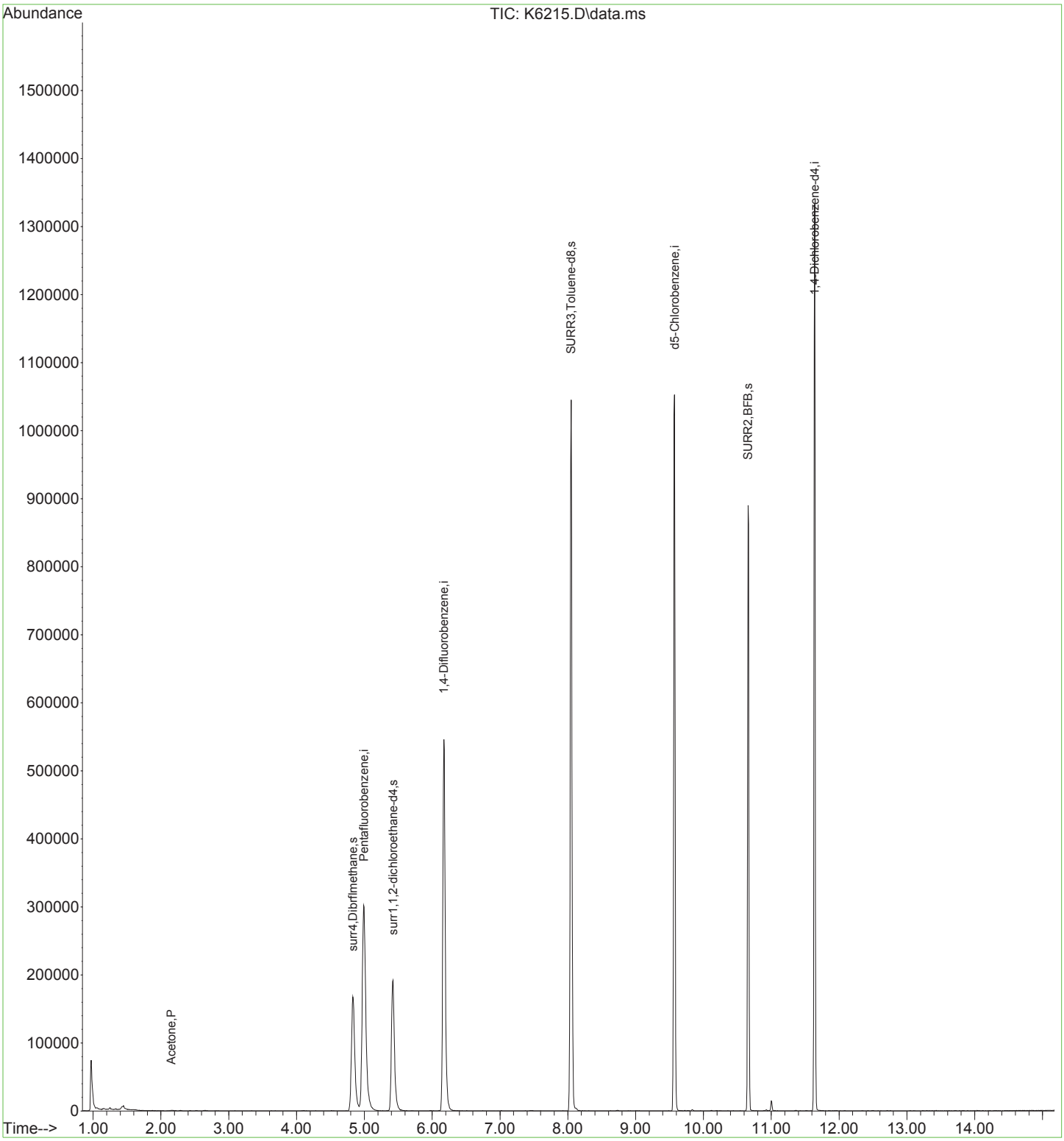
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	409313	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	626550	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	536838	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	279059	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	183503	48.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.84%			
47) surr1,1,2-dichloroetha...	5.422	65	213441	49.48	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.96%			
64) SURR3,Toluene-d8	8.049	98	704388	49.65	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.30%			
69) SURR2,BFB	10.658	95	247934	48.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.50%			
Target Compounds						Qvalue
16) Acetone	2.154	43	1162	0.735	ug/L	# 58

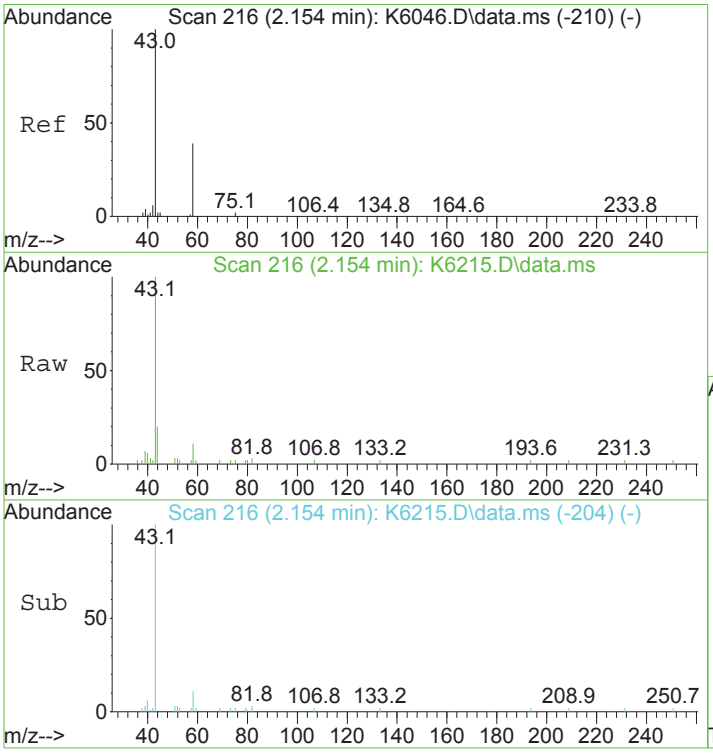
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6215.D
Acq On : 23 Sep 2024 06:52 pm
Operator : K.Ruest
Sample : R2409108-011
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 09:57:23 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

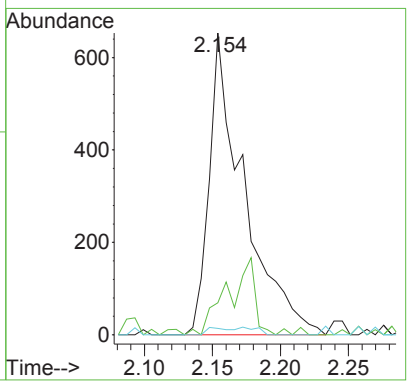




#16
Acetone
Concen: 0.74 ug/L
RT: 2.154 min Scan# 216
Delta R.T. -0.000 min
Lab File: K6215.D
Acq: 23 Sep 2024 06:52 pm

Tgt Ion: 43 Resp: 1162

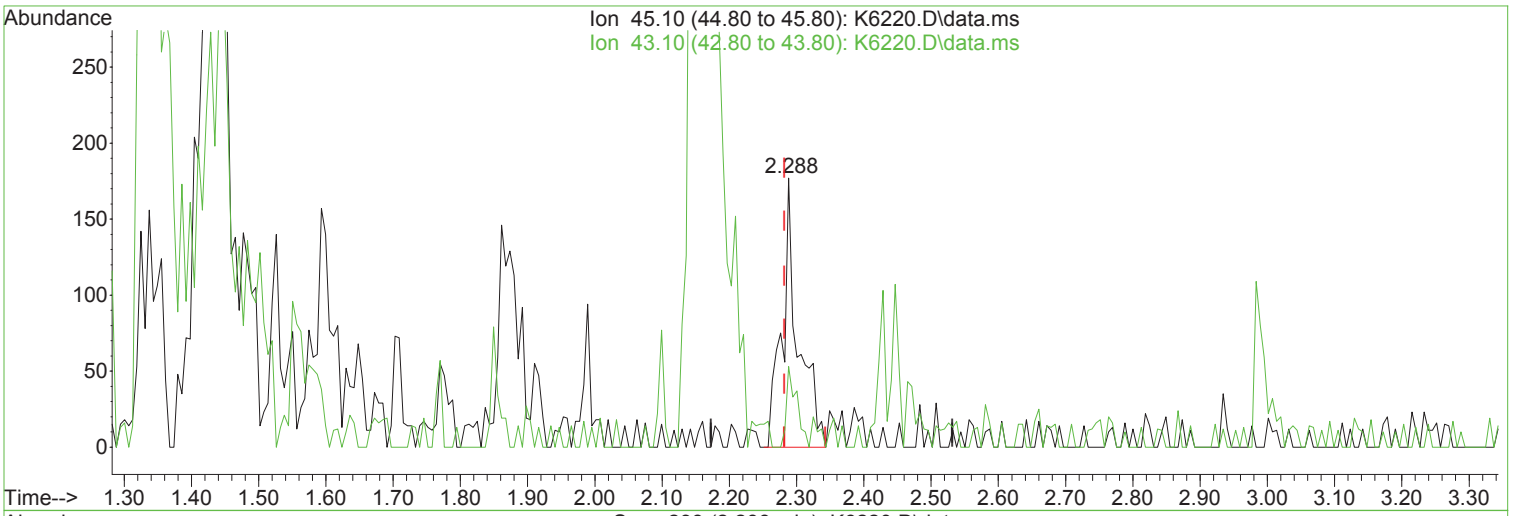
Ion	Ratio	Lower	Upper
43	100		
58	10.6	19.6	59.6#
42	2.1	0.0	26.6

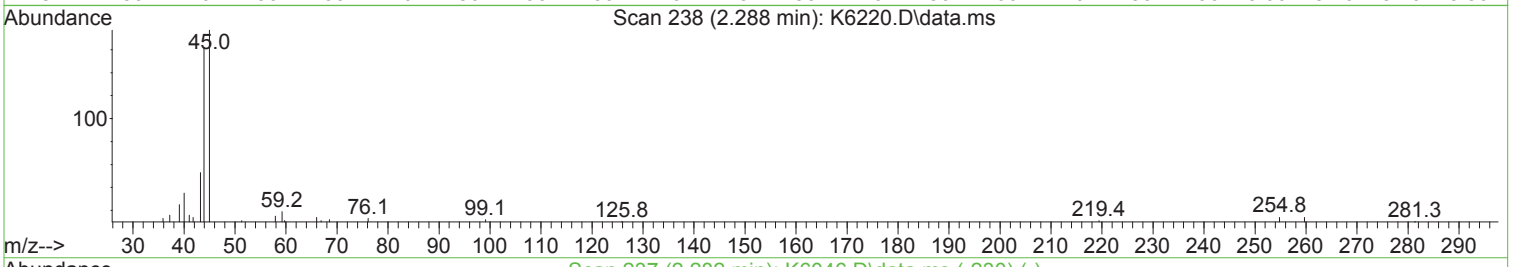


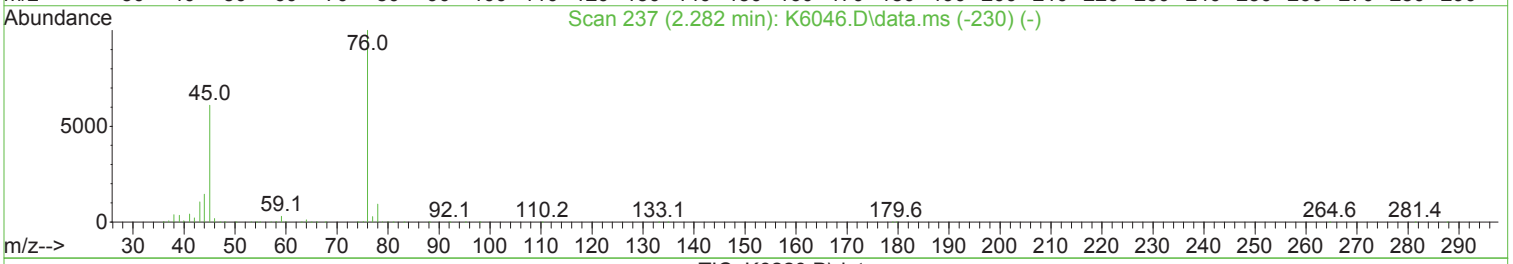
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6220.D
Acq On : 23 Sep 2024 08:47 pm
Operator : K.Ruest
Sample : R2409108-012
Misc : VERINA 8260 T2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 24 09:58:51 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6220.D\data.ms

(17) 2-Propanol

2.288min (+ 0.006) 1.07 ug/L m

response 295

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	18.00	29.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

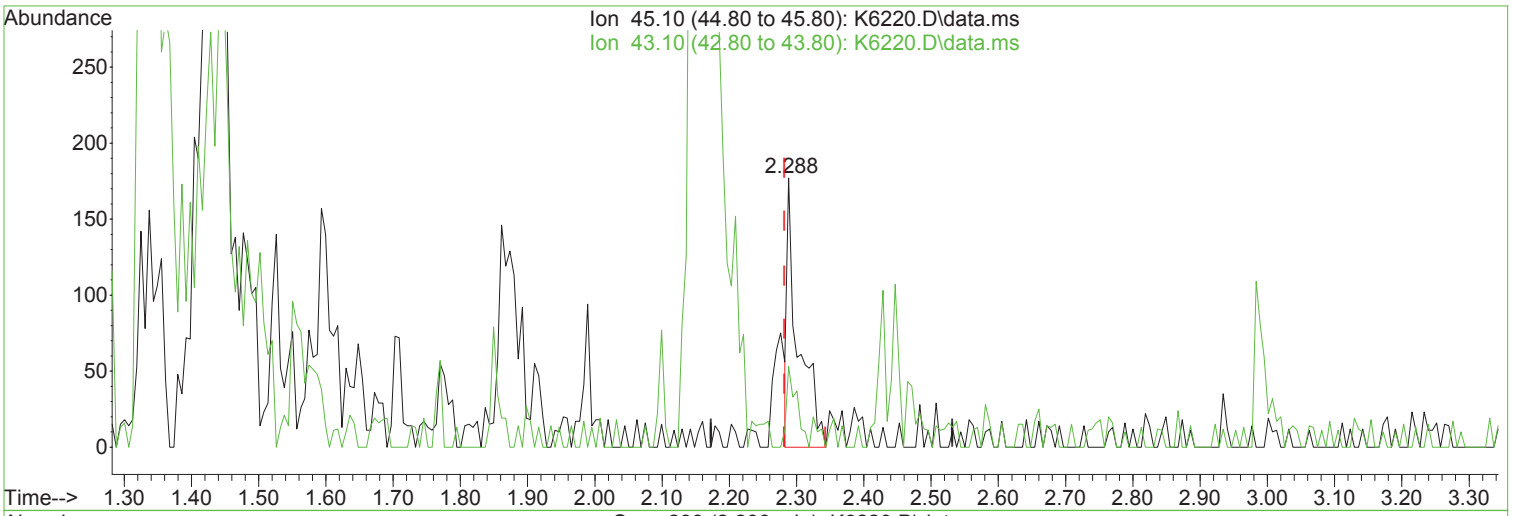
Poor integration.

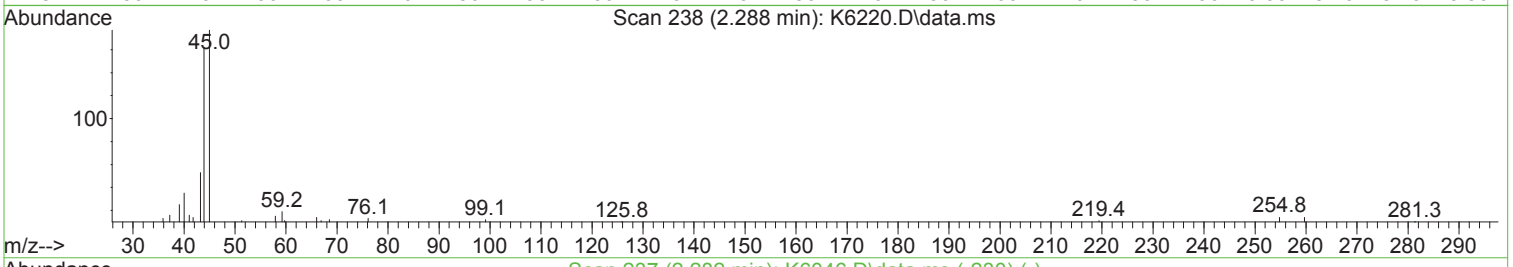
09/24/24

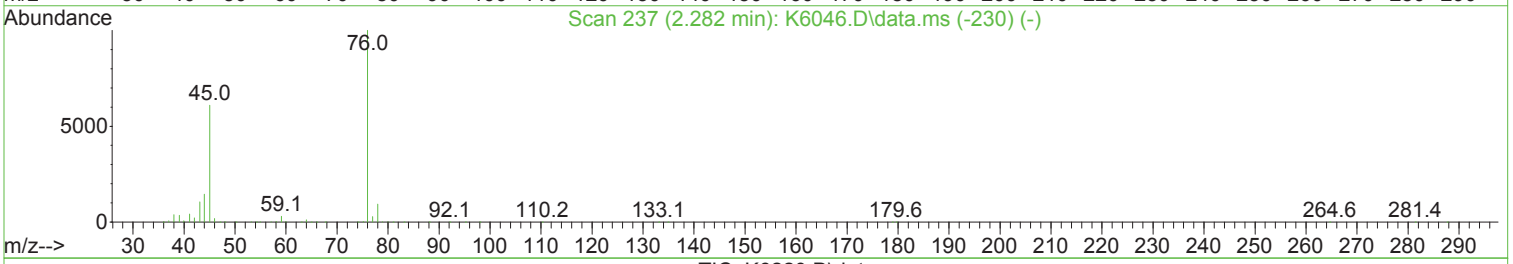
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6220.D
Acq On : 23 Sep 2024 08:47 pm
Operator : K.Ruest
Sample : R2409108-012
Misc : VERINA 8260 T2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 24 09:58:51 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6220.D\data.ms

(17) 2-Propanol

2.288min (+ 0.006) 0.75 ug/L

response 207

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	18.00	29.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6220.D
Acq On : 23 Sep 2024 08:47 pm
Operator : K.Ruest
Sample : R2409108-012
Misc : VERINA 8260 T2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 24 09:58:51 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

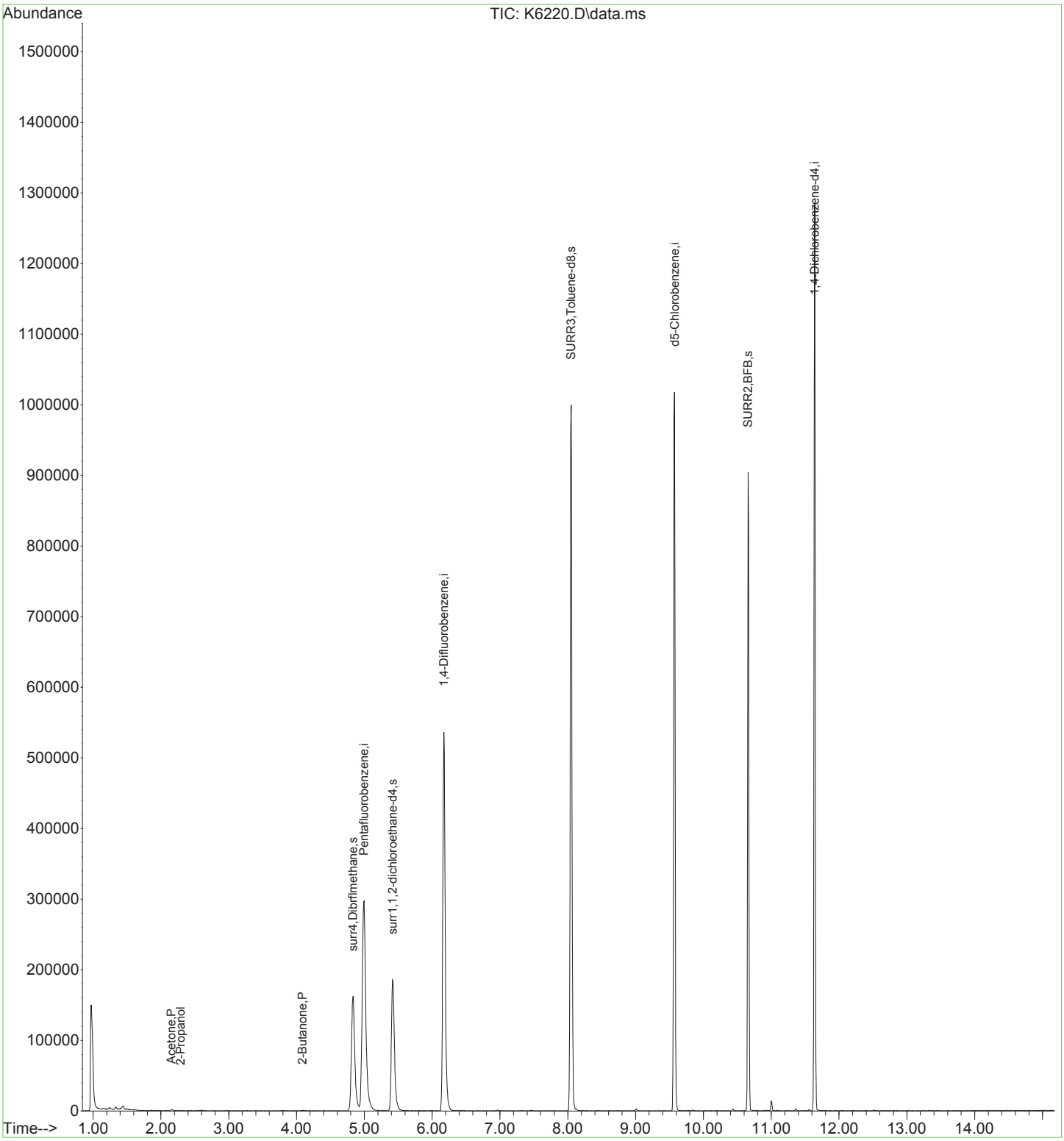
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	400125	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	609605	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	519058	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	269471	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	177407	48.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.24%			
47) surr1,1,2-dichloroetha...	5.416	65	208741	49.74	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.48%			
64) SURR3,Toluene-d8	8.049	98	688244	49.86	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.72%			
69) SURR2,BFB	10.659	95	245604	49.12	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.24%			
Target Compounds						Qvalue
16) Acetone	2.154	43	2455	1.590	ug/L	93
17) 2-Propanol	2.288	45	295m	1.070	ug/L	
34) 2-Butanone	4.087	43	1560	0.794	ug/L	88

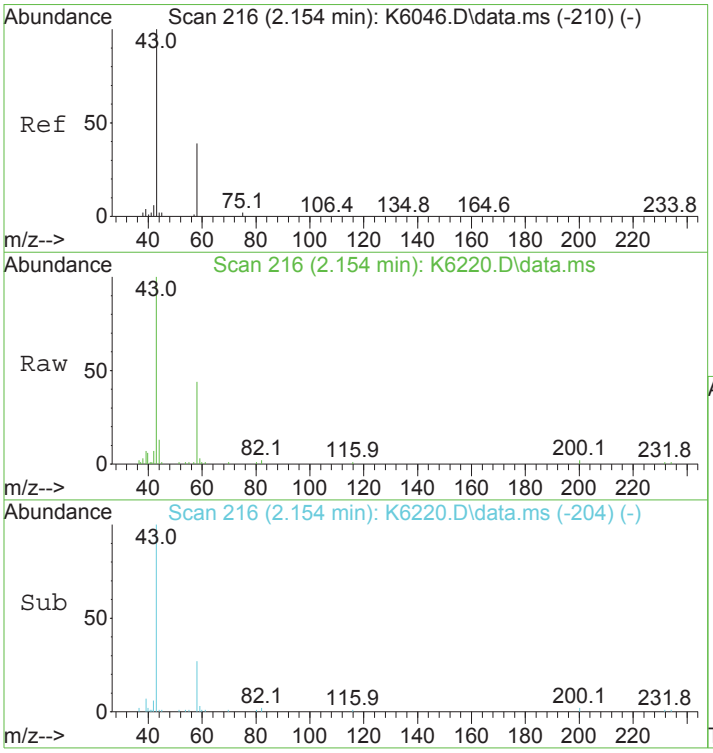
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6220.D
Acq On : 23 Sep 2024 08:47 pm
Operator : K.Ruest
Sample : R2409108-012
Misc : VERINA 8260 T2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 24 09:58:51 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

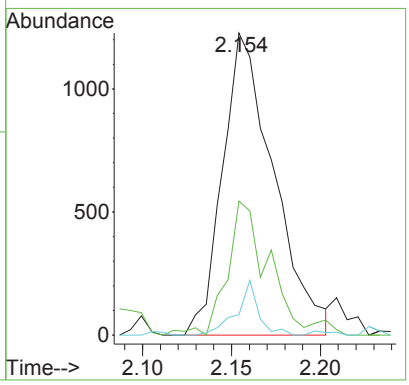


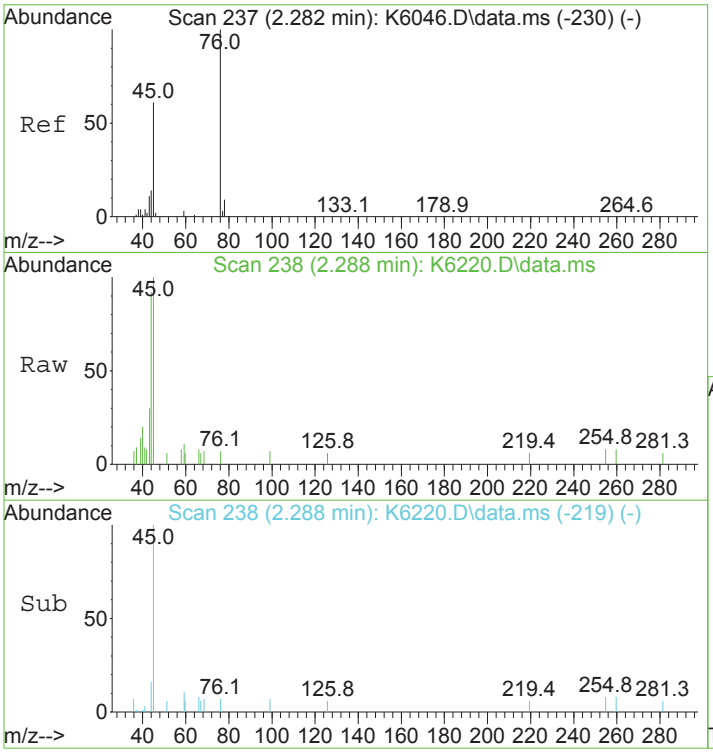


#16
Acetone
Concen: 1.59 ug/L
RT: 2.154 min Scan# 216
Delta R.T. 0.000 min
Lab File: K6220.D
Acq: 23 Sep 2024 08:47 pm

Tgt Ion: 43 Resp: 2455

Ion	Ratio	Lower	Upper
43	100		
58	44.3	19.6	59.6
42	6.8	0.0	26.6

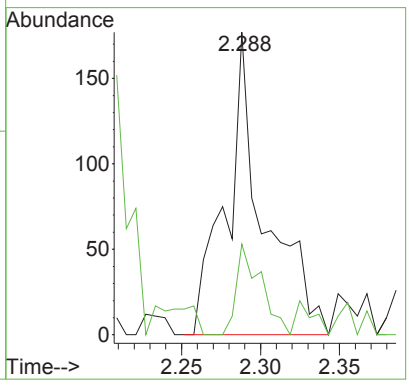


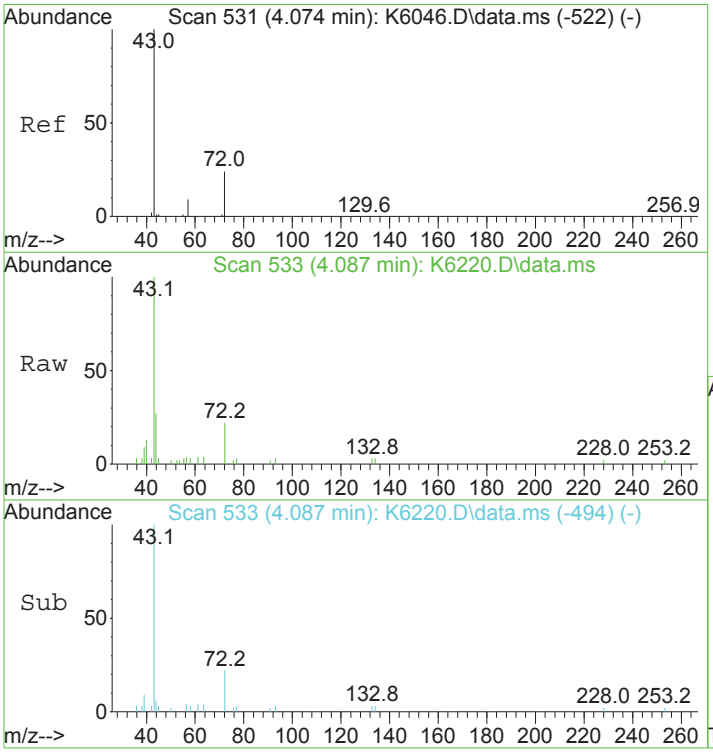


#17
2-Propanol
Concen: 1.07 ug/L m
RT: 2.288 min Scan# 238
Delta R.T. 0.006 min
Lab File: K6220.D
Acq: 23 Sep 2024 08:47 pm

Tgt Ion: 45 Resp: 295

Ion	Ratio	Lower	Upper
45	100		
43	29.9	0.0	38.0

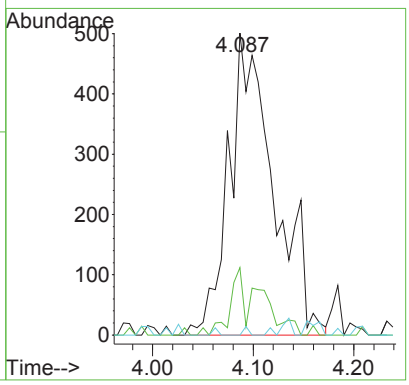




#34
2-Butanone
Concen: 0.79 ug/L
RT: 4.087 min Scan# 533
Delta R.T. 0.012 min
Lab File: K6220.D
Acq: 23 Sep 2024 08:47 pm

Tgt Ion: 43 Resp: 1560

Ion	Ratio	Lower	Upper
43	100		
72	22.4	5.8	45.8
57	0.0	0.0	29.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6212.D
Acq On : 23 Sep 2024 05:43 pm
Operator : K.Ruest
Sample : R2409108-015
Misc : VERINA 8260 T2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 18:06:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

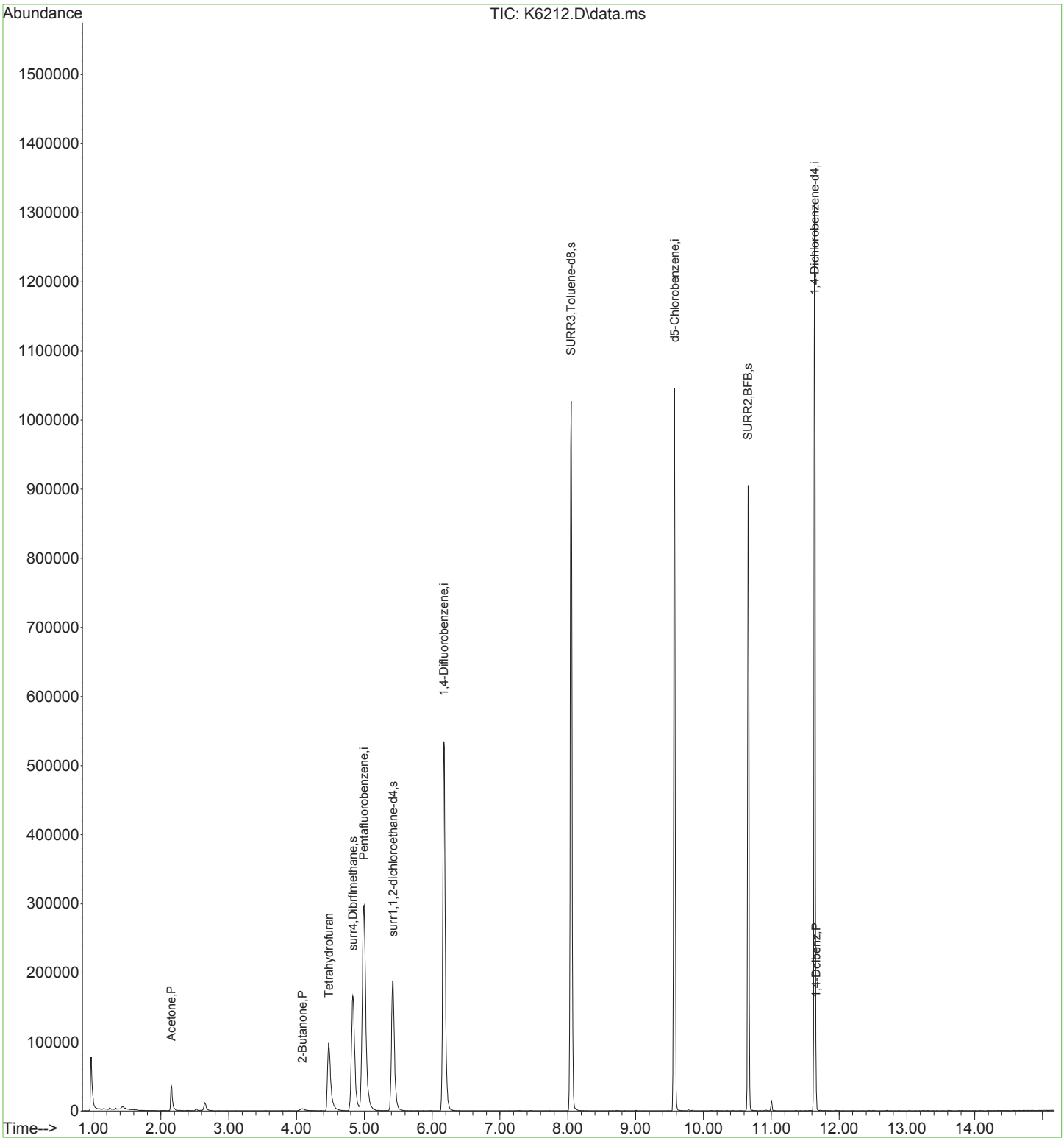
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	406085	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	617621	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	534354	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	278143	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	180757	48.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.78%			
47) surr1,1,2-dichloroetha...	5.422	65	208814	49.11	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.22%			
64) SURR3,Toluene-d8	8.049	98	703068	50.27	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.54%			
69) SURR2,BFB	10.659	95	258495	51.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.06%			
Target Compounds						Qvalue
16) Acetone	2.154	43	43679	27.865	ug/L	100
34) 2-Butanone	4.087	43	4270	2.142	ug/L	96
38) Tetrahydrofuran	4.477	42	101907	81.698	ug/L	94
105) 1,4-Dclbenz	11.658	146	7589	0.879	ug/L	94

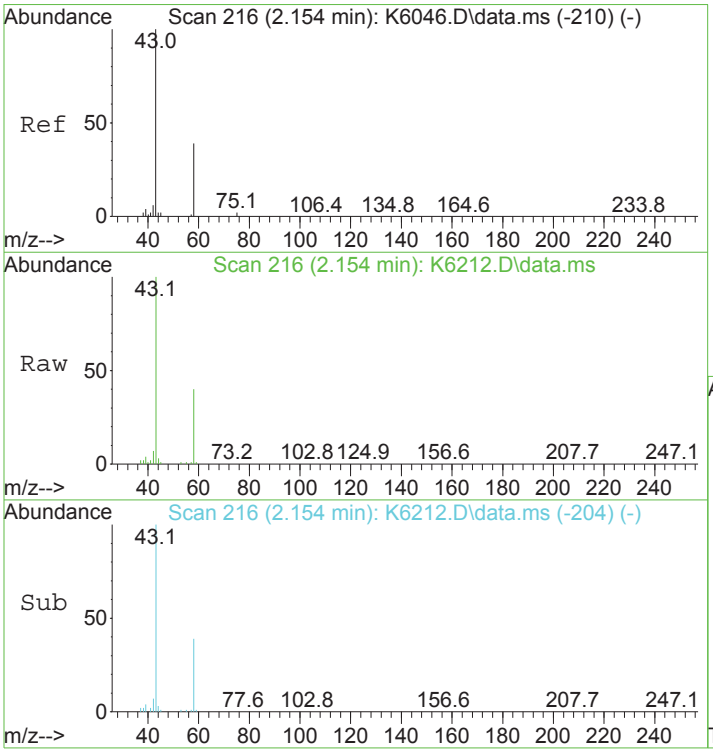
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6212.D
Acq On : 23 Sep 2024 05:43 pm
Operator : K.Ruest
Sample : R2409108-015
Misc : VERINA 8260 T2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 18:06:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

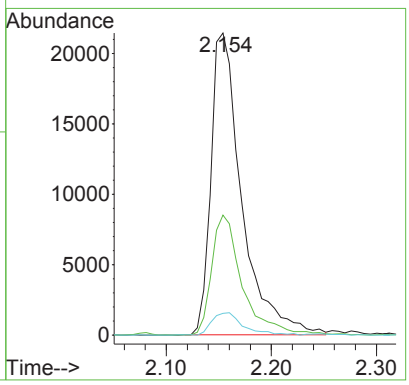


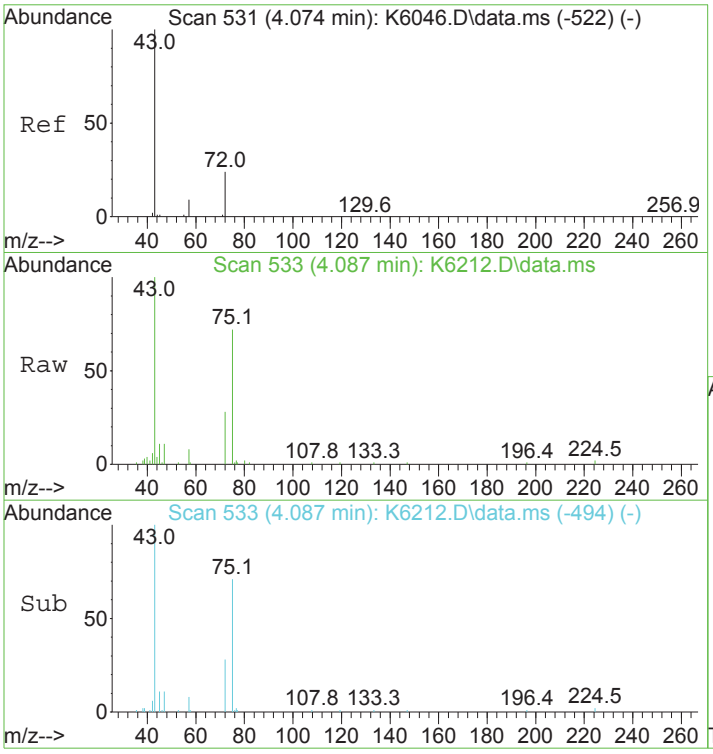


#16
Acetone
Concen: 27.87 ug/L
RT: 2.154 min Scan# 216
Delta R.T. 0.000 min
Lab File: K6212.D
Acq: 23 Sep 2024 05:43 pm

Tgt Ion: 43 Resp: 43679

Ion	Ratio	Lower	Upper
43	100		
58	39.7	19.6	59.6
42	7.2	0.0	26.6

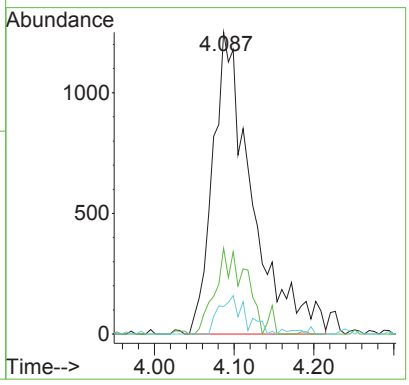


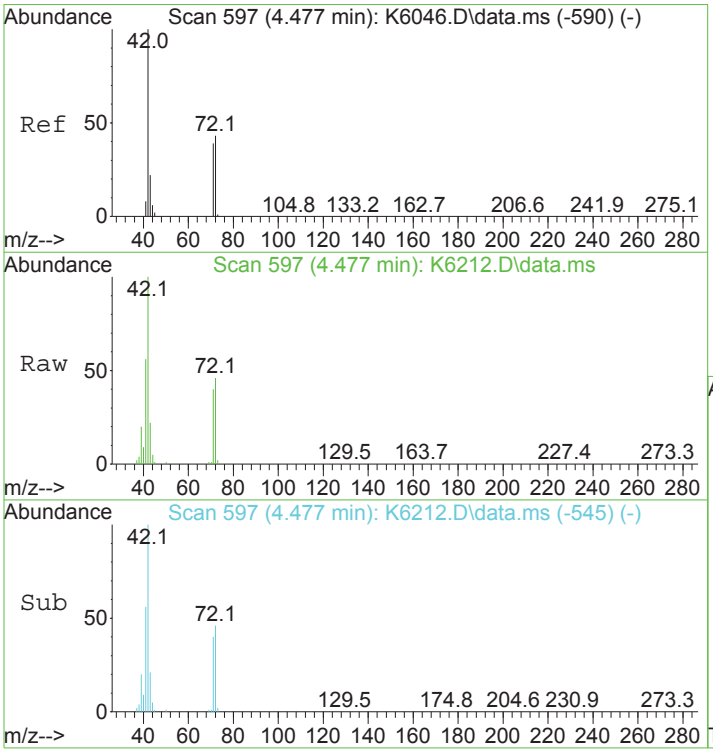


#34
2-Butanone
Concen: 2.14 ug/L
RT: 4.087 min Scan# 533
Delta R.T. 0.012 min
Lab File: K6212.D
Acq: 23 Sep 2024 05:43 pm

Tgt Ion: 43 Resp: 4270

Ion	Ratio	Lower	Upper
43	100		
72	28.4	5.8	45.8
57	9.2	0.0	29.4

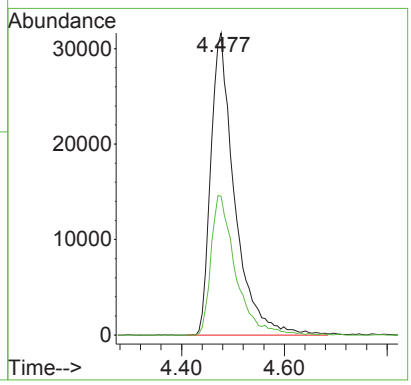


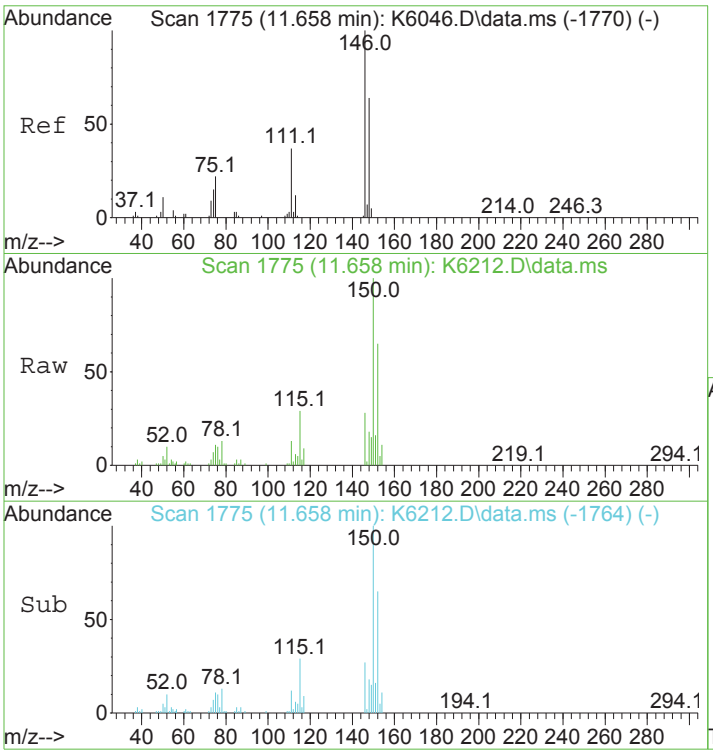


#38
Tetrahydrofuran
Concen: 81.70 ug/L
RT: 4.477 min Scan# 597
Delta R.T. 0.000 min
Lab File: K6212.D
Acq: 23 Sep 2024 05:43 pm

Tgt Ion: 42 Resp: 101907

Ion	Ratio	Lower	Upper
42	100		
72	46.0	22.3	62.3

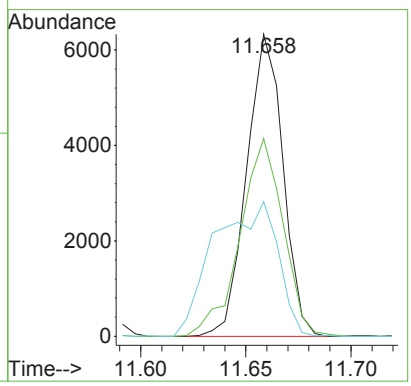




#105
1,4-Dclbenz
Concen: 0.88 ug/L
RT: 11.658 min Scan# 1775
Delta R.T. 0.000 min
Lab File: K6212.D
Acq: 23 Sep 2024 05:43 pm

Tgt Ion:146 Resp: 7589

Ion	Ratio	Lower	Upper
146	100		
148	65.4	43.5	83.5
111	44.5	17.7	57.7



1st KR 09/24/24
2nd FJ 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6216.D
Acq On : 23 Sep 2024 07:15 pm
Operator : K.Ruest
Sample : R2409108-017
Misc : VERINA 8260 T2
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 24 09:57:35 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

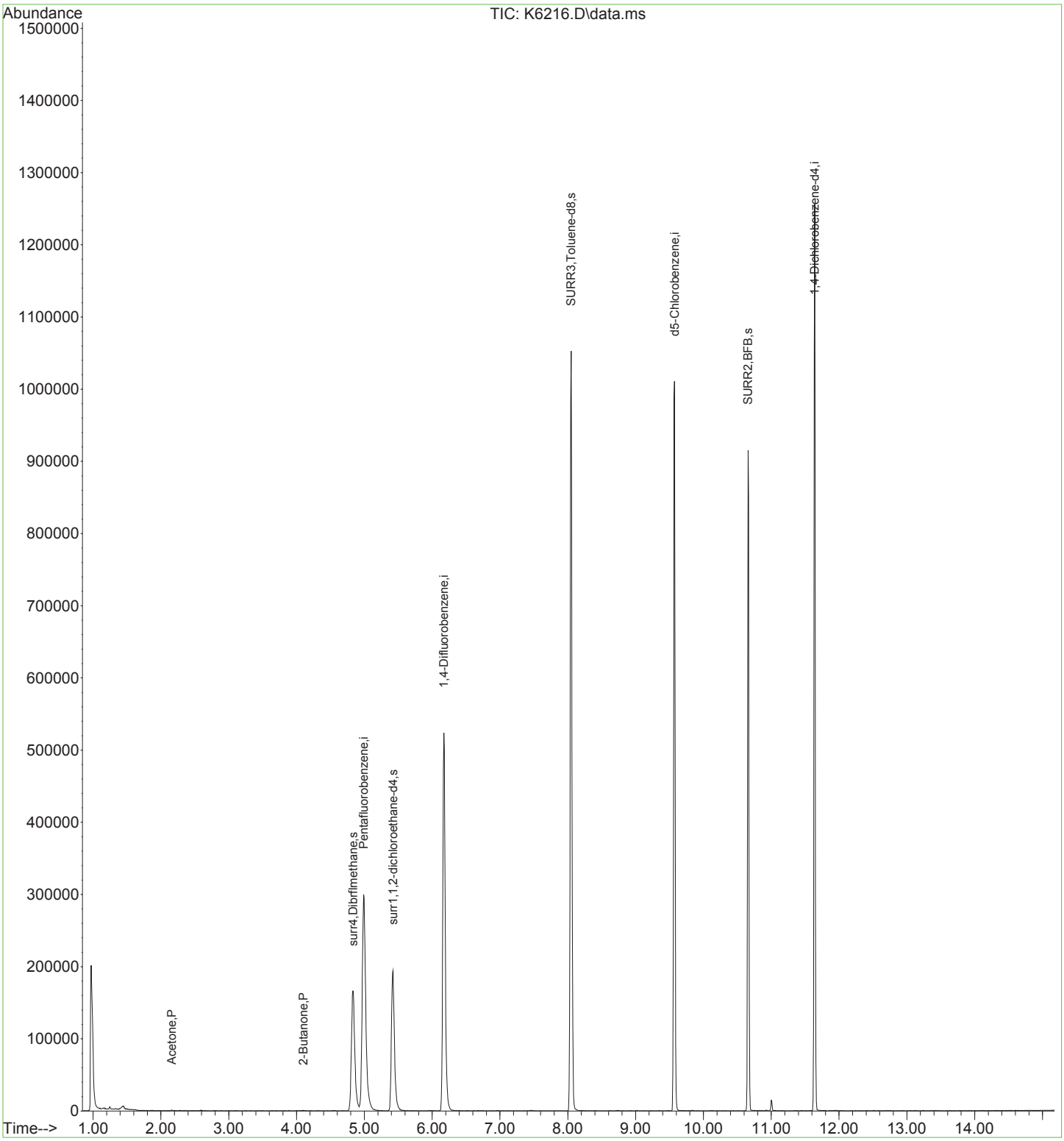
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	397213	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	603303	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	515098	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	266053	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.837	113	183118	50.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 100.36%			
47) surr1,1,2-dichloroetha...	5.422	65	216251	52.06	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.12%			
64) SURR3,Toluene-d8	8.049	98	713157	52.20	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.40%			
69) SURR2,BFB	10.659	95	252243	50.98	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.96%			
Target Compounds						Qvalue
16) Acetone	2.160	43	1051	0.685	ug/L	78
34) 2-Butanone	4.099	43	1128	0.579	ug/L	74

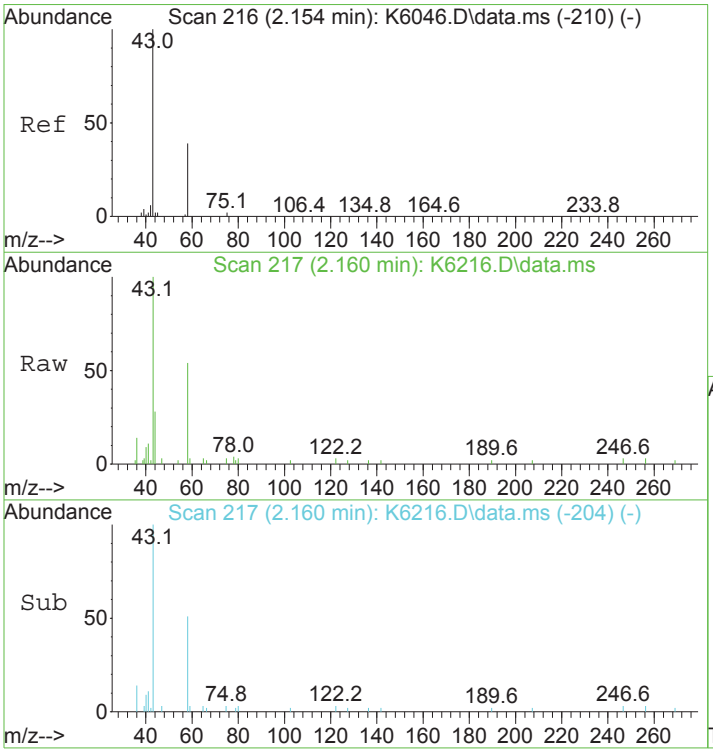
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6216.D
Acq On : 23 Sep 2024 07:15 pm
Operator : K.Ruest
Sample : R2409108-017
Misc : VERINA 8260 T2
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 24 09:57:35 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

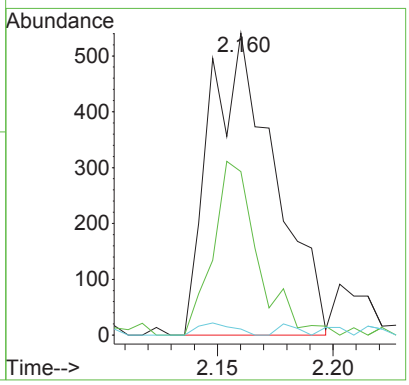


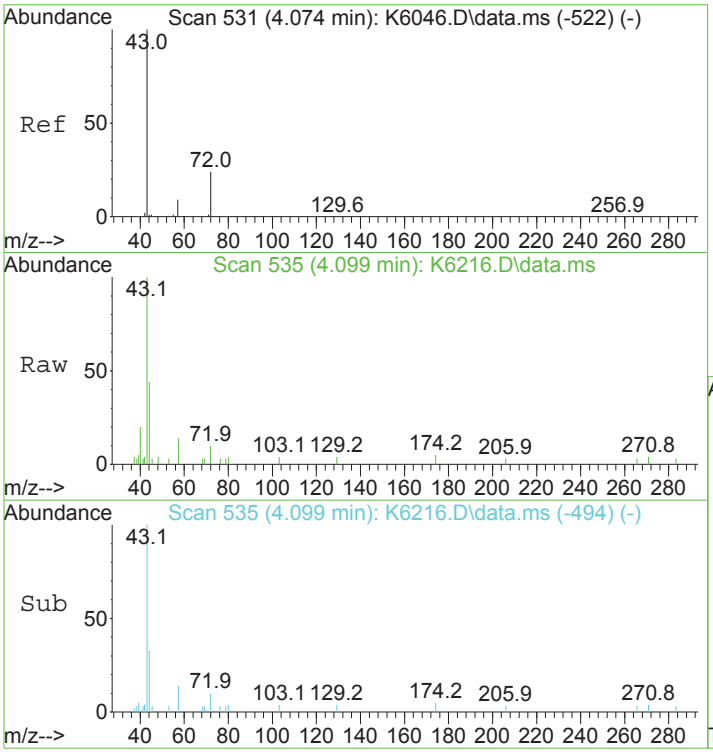


#16
Acetone
Concen: 0.69 ug/L
RT: 2.160 min Scan# 217
Delta R.T. 0.006 min
Lab File: K6216.D
Acq: 23 Sep 2024 07:15 pm

Tgt Ion: 43 Resp: 1051

Ion	Ratio	Lower	Upper
43	100		
58	54.2	19.6	59.6
42	2.0	0.0	26.6

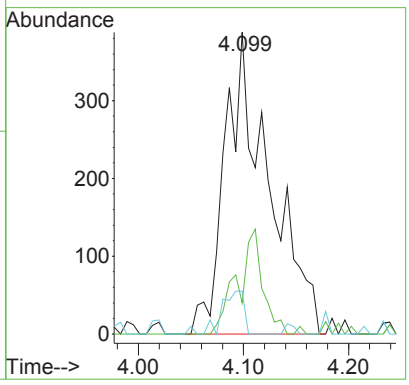




#34
2-Butanone
Concen: 0.58 ug/L
RT: 4.099 min Scan# 535
Delta R.T. 0.024 min
Lab File: K6216.D
Acq: 23 Sep 2024 07:15 pm

Tgt Ion: 43 Resp: 1128

Ion	Ratio	Lower	Upper
43	100		
72	10.3	5.8	45.8
57	14.2	0.0	29.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6199.D
Acq On : 23 Sep 2024 12:33 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 12:50:55 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

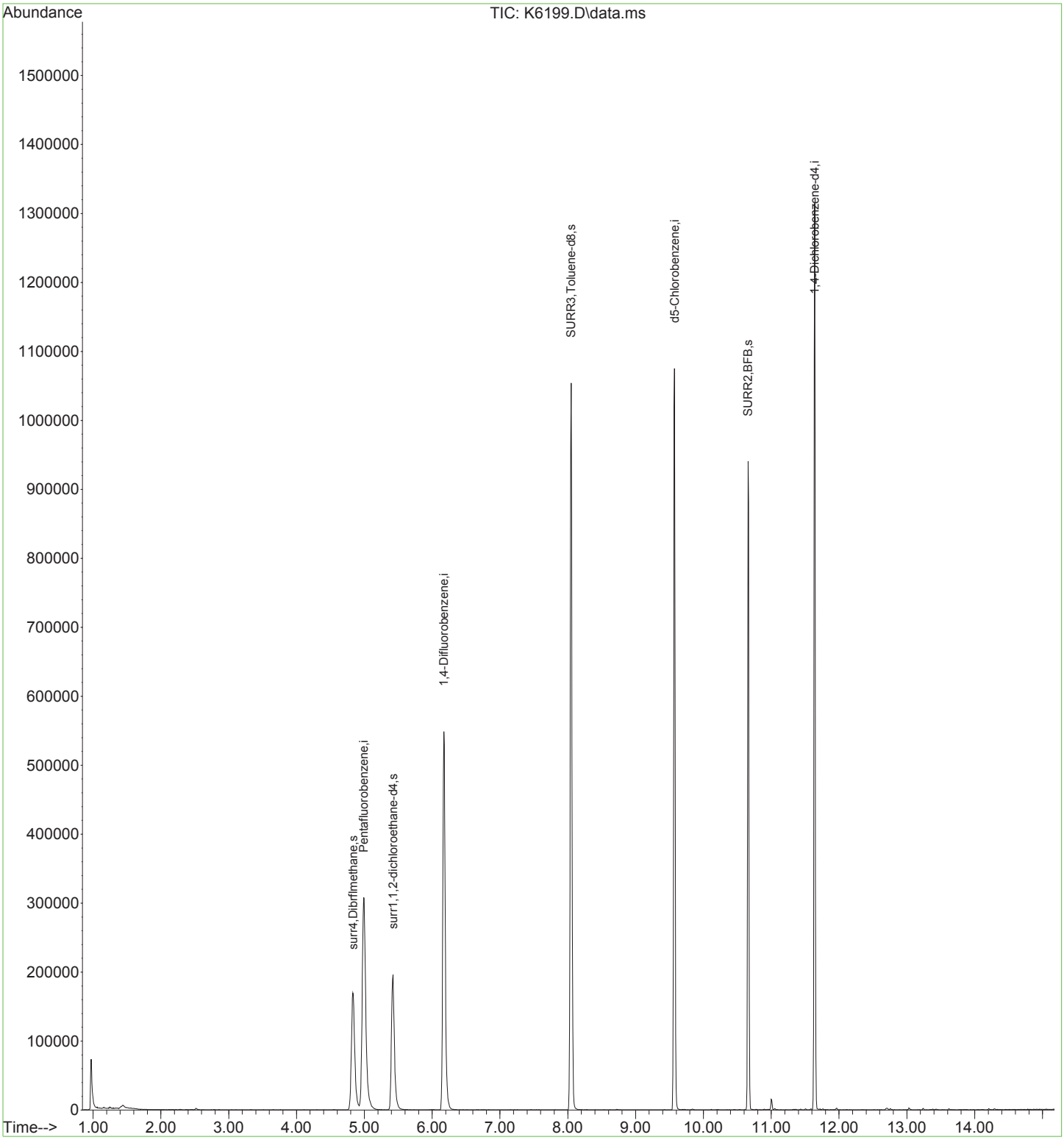
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	413690	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	629414	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	539426	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	277801	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.836	113	184880	48.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.12%			
47) surr1,1,2-dichloroetha...	5.422	65	214288	49.45	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.90%			
64) SURR3,Toluene-d8	8.049	98	718811	50.43	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.86%			
69) SURR2,BFB	10.659	95	257780	49.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.88%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6199.D
Acq On : 23 Sep 2024 12:33 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 12:50:55 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6228.D
Acq On : 23 Sep 2024 11:51 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 24 09:26:14 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

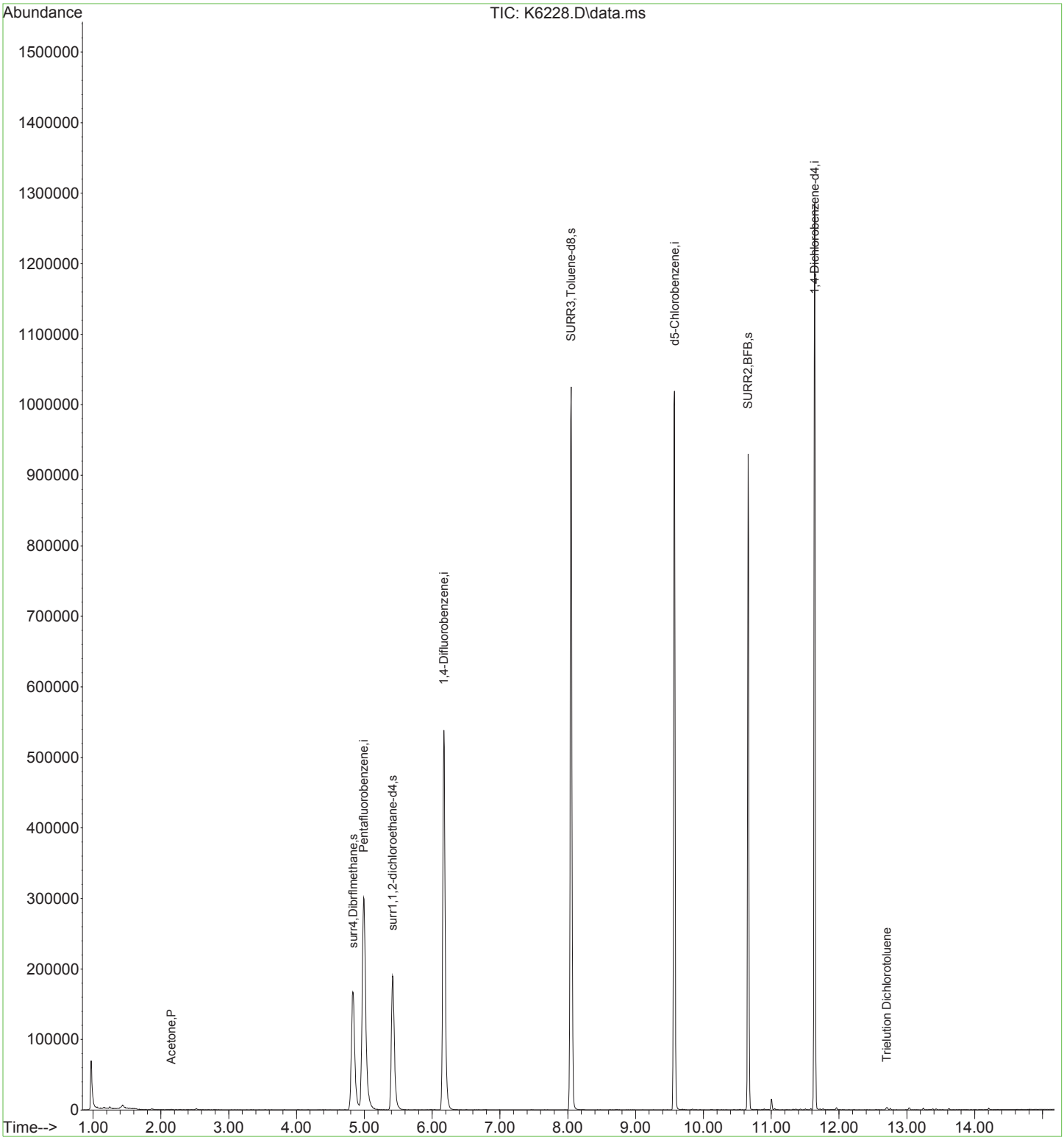
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	405811	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	612765	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	521692	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	273217	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.837	113	184581	49.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 99.60%			
47) surr1,1,2-dichloroetha...	5.416	65	210693	49.94	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.88%			
64) SURR3,Toluene-d8	8.049	98	700577	50.49	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.98%			
69) SURR2,BFB	10.659	95	247272	49.20	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.40%			
Target Compounds						Qvalue
16) Acetone	2.154	43	547	0.349	ug/L #	65
22) Methylene Chloride	2.520	84	729	Below Cal		91
111) Trielution Dichlorotol...	12.701	125	1742	0.226	ug/L	95

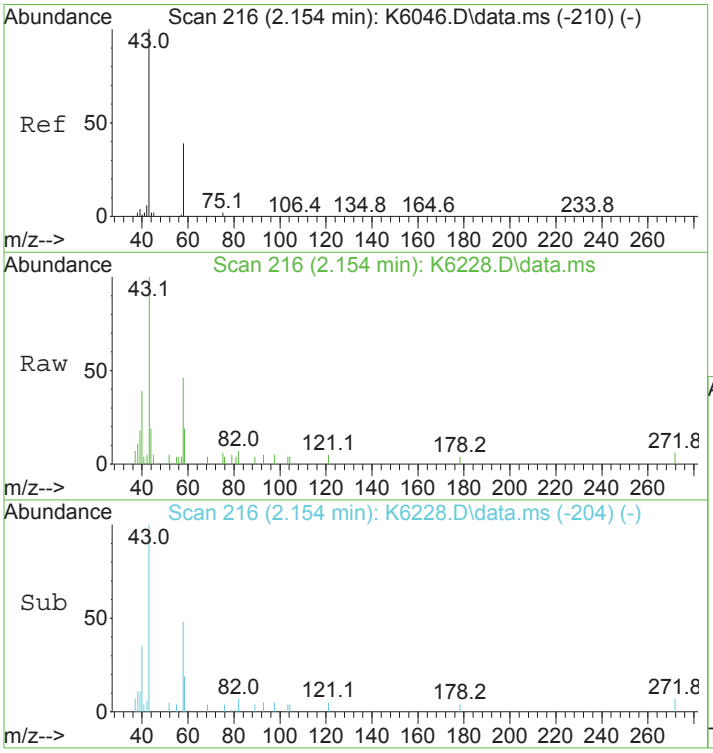
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6228.D
Acq On : 23 Sep 2024 11:51 pm
Operator : K.Ruest
Sample : MBLK-FP
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 24 09:26:14 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

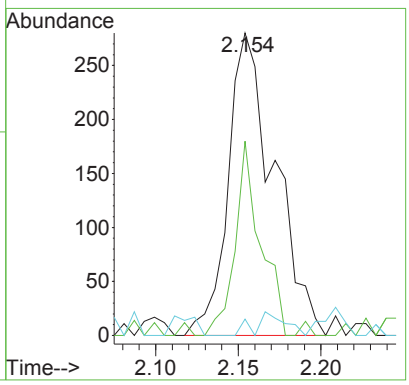


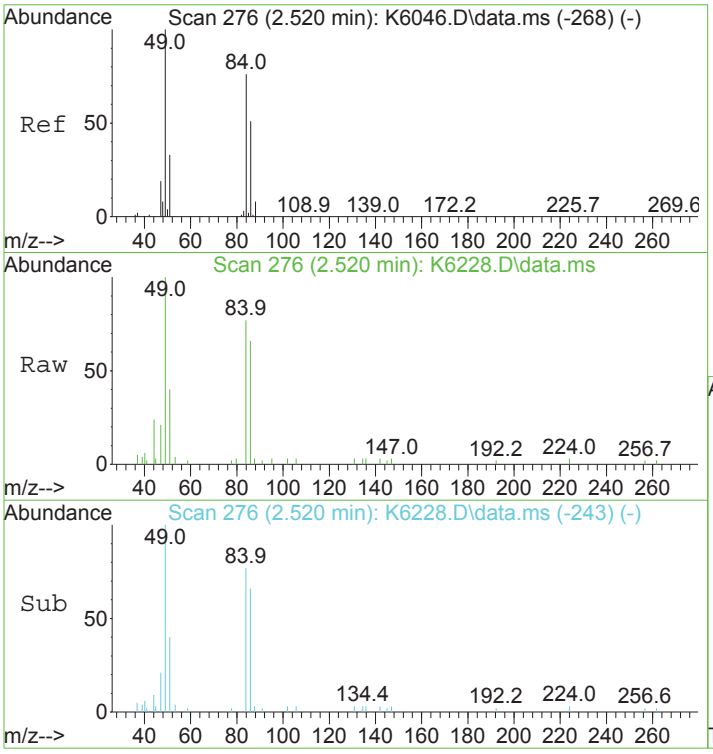


#16
Acetone
Concen: 0.35 ug/L
RT: 2.154 min Scan# 216
Delta R.T. 0.000 min
Lab File: K6228.D
Acq: 23 Sep 2024 11:51 pm

Tgt Ion: 43 Resp: 547

Ion	Ratio	Lower	Upper
43	100		
58	64.3	19.6	59.6#
42	5.4	0.0	26.6

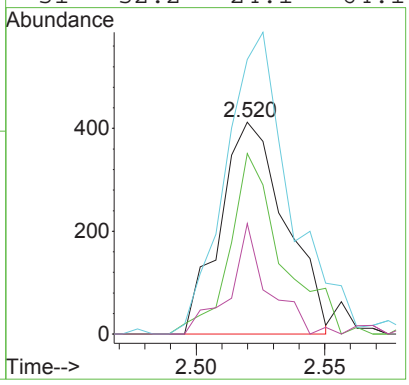


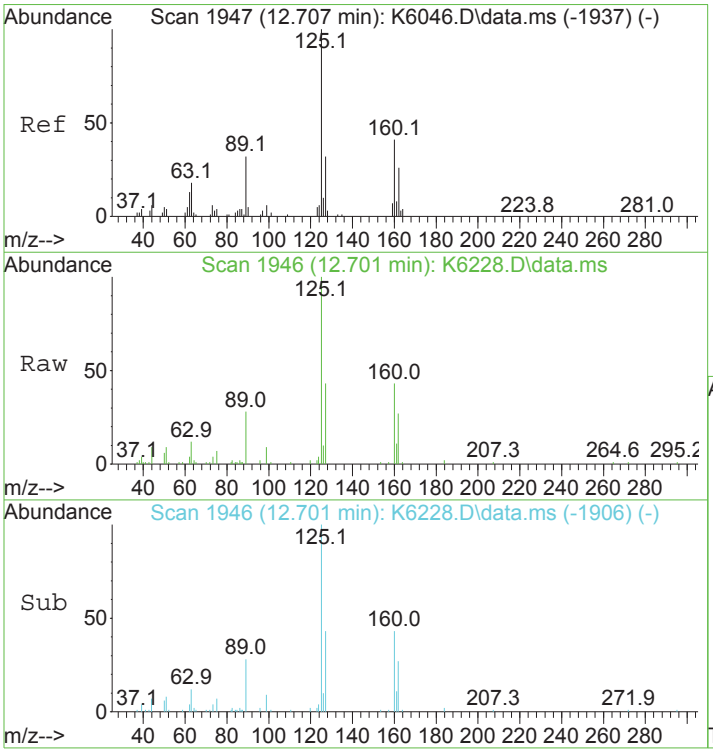


#22
Methylene Chloride
Concen: Below Cal
RT: 2.520 min Scan# 276
Delta R.T. 0.001 min
Lab File: K6228.D
Acq: 23 Sep 2024 11:51 pm

Tgt Ion: 84 Resp: 729

Ion	Ratio	Lower	Upper
84	100		
86	85.2	47.5	87.5
49	129.6	111.3	151.3
51	52.2	24.1	64.1

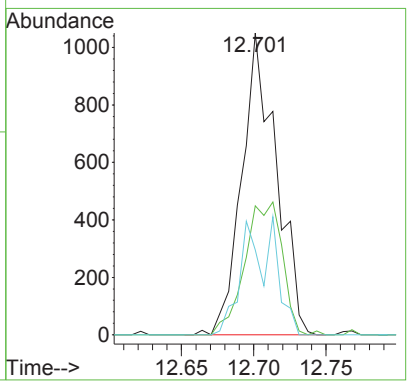




#111
Trielution Dichlorotoluene
Concen: 0.23 ug/L
RT: 12.701 min Scan# 1946
Delta R.T. -0.006 min
Lab File: K6228.D
Acq: 23 Sep 2024 11:51 pm

Tgt Ion:125 Resp: 1742

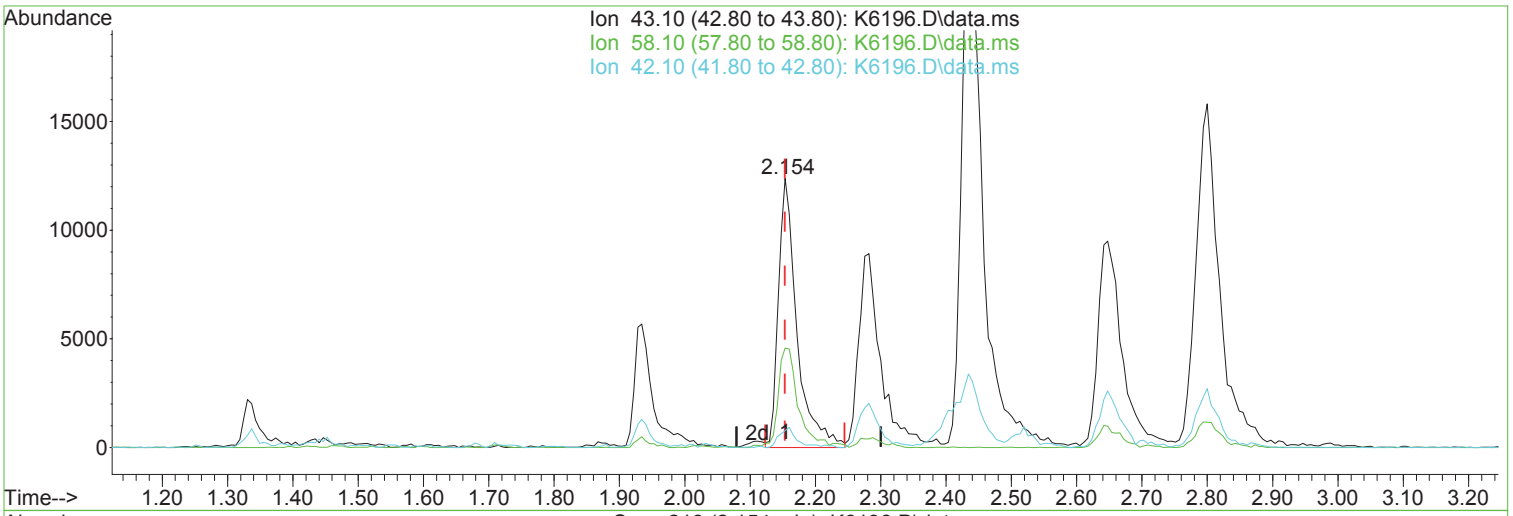
Ion	Ratio	Lower	Upper
125	100		
160	42.8	20.8	60.8
89	28.1	12.0	52.0

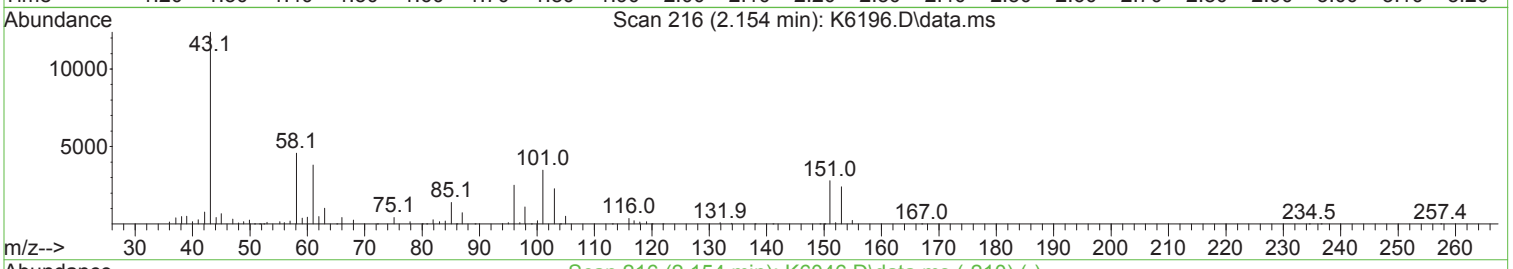


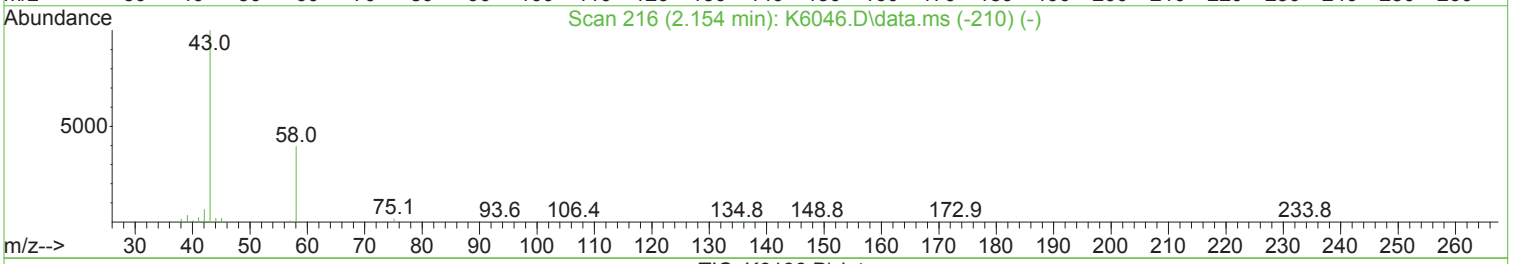
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6196.D
Acq On : 23 Sep 2024 11:24 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6196.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 15.64 ug/L m

response 24342

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	36.94
42.10	6.60	6.33
0.00	0.00	0.00

Manual Integration:

After

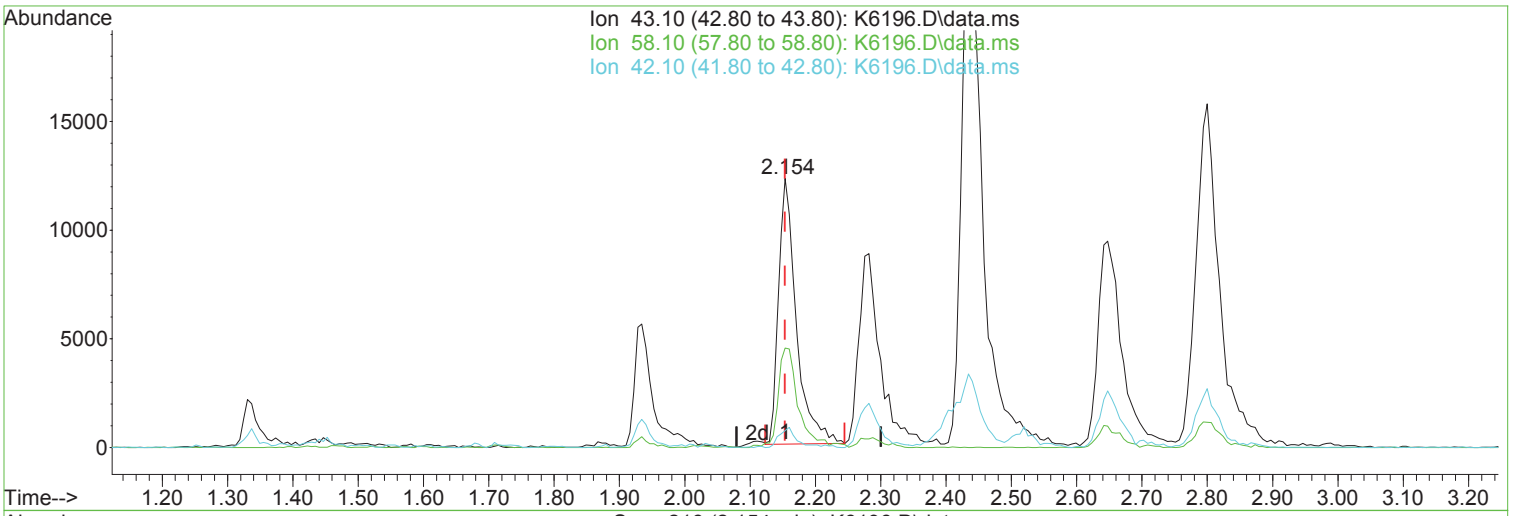
Poor integration.

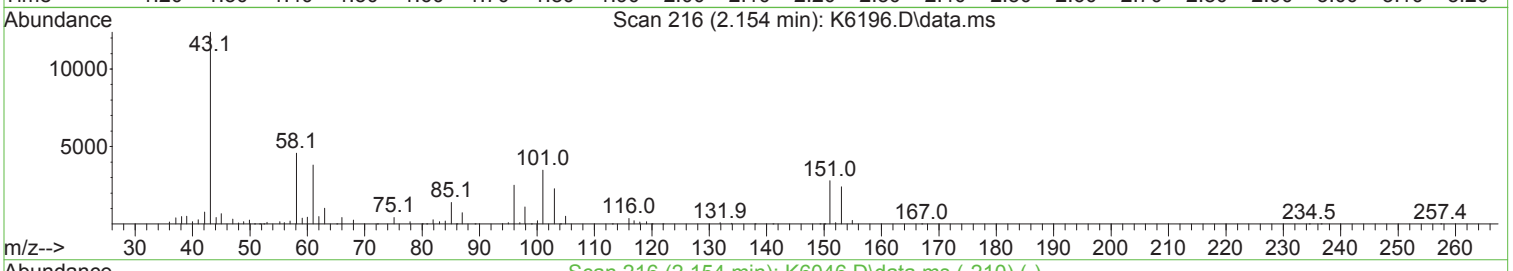
09/23/24

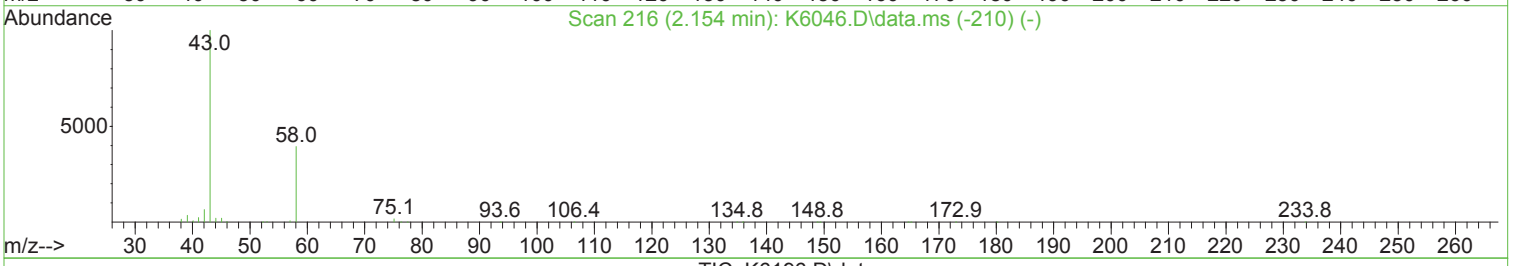
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6196.D
Acq On : 23 Sep 2024 11:24 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6196.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 14.86 ug/L

response 23117

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	36.94
42.10	6.60	6.33
0.00	0.00	0.00

Manual Integration:

Before

09/23/24

1st KR 09/23/24
2nd FN 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6196.D
Acq On : 23 Sep 2024 11:24 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	403097	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	616510	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	529408	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	284008	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	190798	51.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.34%			
47) surr1,1,2-dichloroetha...	5.421	65	214162	50.46	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.92%			
64) SURR3,Toluene-d8	8.049	98	706723	50.62	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.24%			
69) SURR2,BFB	10.658	95	262954	52.01	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 104.02%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	73689	18.723	ug/L	99
3) Dichlorodifluoromethane	1.075	85	91127	26.210	ug/L	97
4) Chloromethane	1.190	50	79512	18.705	ug/L	97
5) Vinyl Chloride	1.264	62	81320	19.665	ug/L	100
6) Bromomethane	1.471	94	41683	18.483	ug/L	94
7) Chloroethane	1.544	64	41238	17.244	ug/L	97
8) Freon 21	1.678	67	100260	16.662	ug/L	99
9) Trichlorofluoromethane	1.721	101	101578	18.888	ug/L	98
10) Diethyl Ether	1.934	59	64142	18.134	ug/L	99
11) Freon 123a	1.940	67	69892	19.338	ug/L	100
12) Freon 123	1.989	83	106473	22.716	ug/L	98
13) Acrolein	2.032	56	32059	29.719	ug/L	98
14) 1,1-Diclethene	2.105	96	65460	19.948	ug/L	95
15) Freon 113	2.111	101	64357	19.221	ug/L	92
16) Acetone	2.154	43	24342m	15.644	ug/L	
17) 2-Propanol	2.276	45	104449	375.932	ug/L	95
18) Iodomethane	2.227	142	103657	20.265	ug/L	99
19) Carbon Disulfide	2.282	76	153485	19.091	ug/L	100
20) Acetonitrile/Allyl Chl...	2.410	41	135367	116.255	ug/L	92
21) Methyl Acetate	2.434	43	55313	17.951	ug/L	99
22) Methylene Chloride	2.520	84	67220	19.596	ug/L	92
23) TBA	2.648	59	213661	420.076	ug/L	98
24) Acrylonitrile	2.757	53	175195	94.982	ug/L	97
25) Methyl-t-Butyl Ether	2.800	73	198833	19.443	ug/L	99
26) trans-1,2-Dichloroethene	2.788	96	66039	18.618	ug/L	97
27) 1,1-Diclethane	3.245	63	123176	19.312	ug/L	97
28) Vinyl Acetate	3.330	86	13463	16.722	ug/L #	77
29) DIPE	3.361	45	175680	16.390	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.355	53	99666	16.885	ug/L	95
31) ETBE	3.849	59	209567	17.593	ug/L	97
32) 2,2-Dichloropropane	4.013	77	91569	19.395	ug/L	98
33) cis-1,2-Dichloroethene	4.019	96	77293	20.504	ug/L	94
34) 2-Butanone	4.074	43	36765	18.582	ug/L	99
35) Propionitrile	4.159	54	72734	95.977	ug/L	95
36) Bromochloromethane	4.379	130	53794	19.682	ug/L	91
37) Methacrylonitrile	4.397	67	34276	19.703	ug/L	91
38) Tetrahydrofuran	4.483	42	22124	17.868	ug/L	89
39) Chloroform	4.550	83	113746	19.513	ug/L	98
40) 1,1,1-Trichloroethane	4.830	97	101117	19.292	ug/L	99

1st 09/23/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6196.D
Acq On : 23 Sep 2024 11:24 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.763	73	176386	18.467	ug/L	95
43) Cyclohexane	4.909	41	51099	17.372	ug/L	97
45) Carbontetrachloride	5.135	117	88995	19.496	ug/L	96
46) 1,1-Dichloropropene	5.147	75	81970	18.458	ug/L	97
48) Benzene	5.501	78	255308	19.317	ug/L	99
49) 1,2-Dichloroethane	5.543	62	96961	18.991	ug/L	98
50) Iso-Butyl Alcohol	5.568	43	62647	340.787	ug/L	99
51) n-Heptane	6.031	43	82608	17.507	ug/L	95
52) 1-Butanol	6.586	56	103959	807.175	ug/L	98
53) Trichloroethene	6.507	130	82440	19.885	ug/L	98
54) Methylcyclohexane	6.744	55	97703	18.053	ug/L	90
55) 1,2-Diclpropane	6.805	63	64777	17.187	ug/L	100
56) Dibromomethane	6.952	93	44701	19.895	ug/L	97
57) 1,4-Dioxane	7.037	88	21883	389.051	ug/L	96
58) Methyl Methacrylate	7.055	69	54328	20.079	ug/L	90
59) Bromodichloromethane	7.196	83	82494	20.007	ug/L	97
60) 2-Nitropropane	7.494	41	36279	39.428	ug/L	98
62) cis-1,3-Dichloropropene	7.750	75	103975	20.725	ug/L	98
63) 4-Methyl-2-pentanone	7.976	43	71112	19.508	ug/L	100
65) Toluene	8.122	91	291989	19.717	ug/L	97
66) trans-1,3-Dichloropropene	8.409	75	98302	21.555	ug/L	97
67) Ethyl Methacrylate	8.561	69	96878	20.427	ug/L	92
68) 1,1,2-Trichloroethane	8.598	97	68913	19.992	ug/L	96
71) Tetrachloroethene	8.720	164	61511	19.058	ug/L	97
72) 2-Hexanone	8.909	43	49810	18.434	ug/L	93
73) 1,3-Dichloropropane	8.768	76	104712	18.947	ug/L	97
74) Dibromochloromethane	9.000	129	75304	20.765	ug/L	97
75) N-Butyl Acetate	9.067	43	103914	17.775	ug/L	98
76) 1,2-Dibromoethane	9.091	107	73491	19.948	ug/L	96
77) 3-Chlorobenzotrifluoride	9.628	180	104637	18.146	ug/L	99
78) Chlorobenzene	9.598	112	200087	18.989	ug/L	99
79) 4-Chlorobenzotrifluoride	9.683	180	95429	18.792	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.689	131	77610	20.898	ug/L	98
81) Ethylbenzene	9.726	106	106406	19.682	ug/L	98
82) (m+p)Xylene	9.835	106	265775	39.846	ug/L	99
83) o-Xylene	10.201	106	126337	19.268	ug/L	100
84) Styrene	10.213	104	221320	20.540	ug/L	98
85) Bromoform	10.366	173	48673	22.786	ug/L	97
86) 2-Chlorobenzotrifluoride	10.451	180	98349	18.155	ug/L	98
87) Isopropylbenzene	10.536	105	326904	20.817	ug/L	100
88) Cyclohexanone	10.603	55	64170	70.029	ug/L	96
89) trans-1,4-Dichloro-2-B...	10.859	53	24245	17.918	ug/L	94
91) 1,1,2,2-Tetrachloroethane	10.811	83	94341	19.238	ug/L	97
92) Bromobenzene	10.780	156	88894	19.564	ug/L	99
93) 1,2,3-Trichloropropane	10.835	110	33159	19.269	ug/L	99
94) n-Propylbenzene	10.896	91	364060	18.609	ug/L	100
95) 2-Chlorotoluene	10.957	91	222265	19.146	ug/L	100
96) 3-Chlorotoluene	11.012	91	219808	18.246	ug/L	99
97) 4-Chlorotoluene	11.055	91	262811	19.309	ug/L	97
98) 1,3,5-Trimethylbenzene	11.055	105	281440	18.951	ug/L	99
99) tert-Butylbenzene	11.323	119	253838	19.259	ug/L	99
100) 1,2,4-Trimethylbenzene	11.365	105	285041	19.375	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.433	214	72381	17.349	ug/L	98
102) sec-Butylbenzene	11.506	105	349676	18.813	ug/L	100
103) p-Isopropyltoluene	11.634	119	314183	19.691	ug/L	99
104) 1,3-Dclbenz	11.585	146	170419	19.345	ug/L	99

1st 09/23/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6196.D
Acq On : 23 Sep 2024 11:24 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

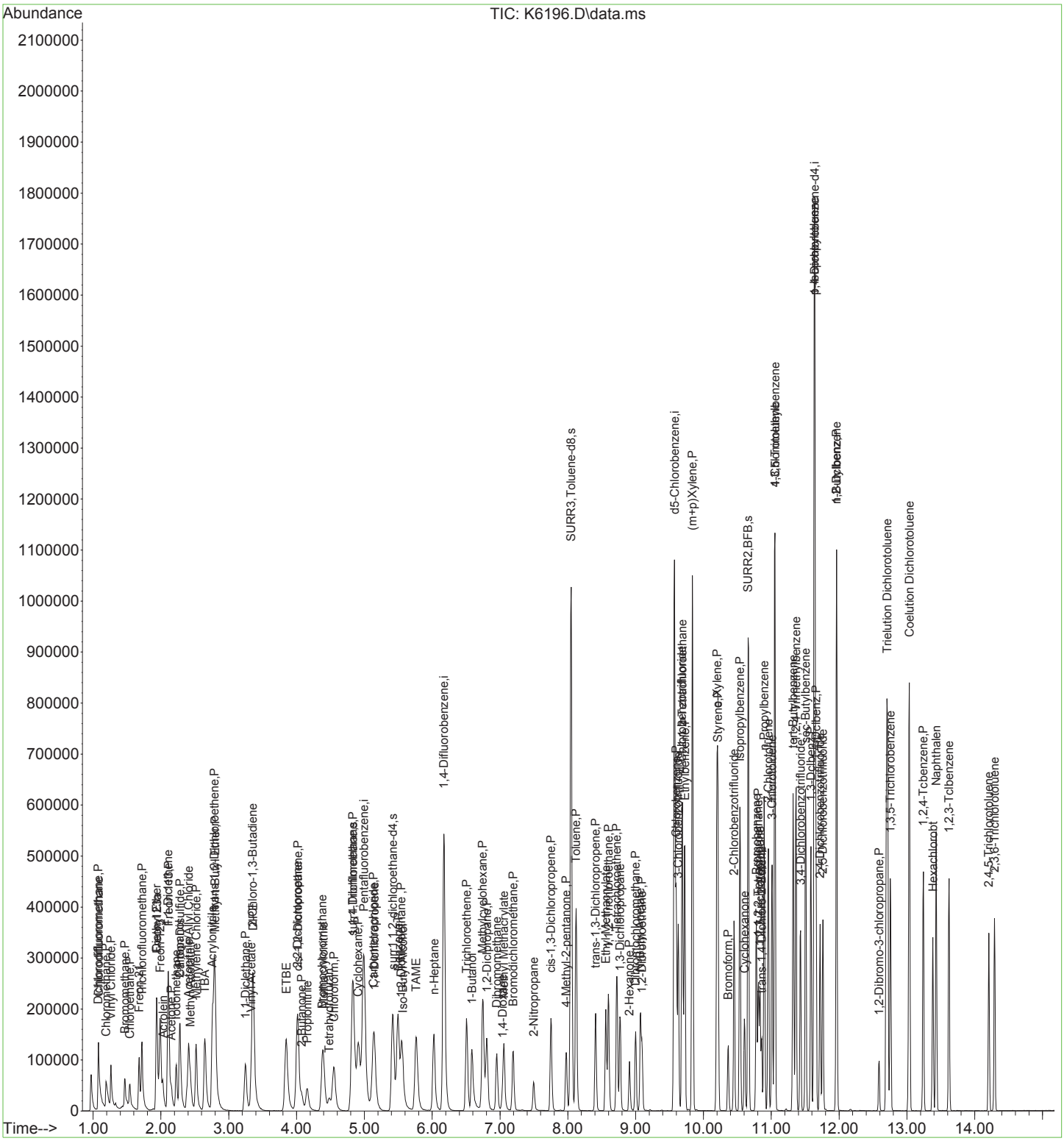
Quant Time: Sep 23 12:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.658	146	170289	19.323	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	66748	18.121	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.762	214	70592	17.120	ug/L	99
108) n-Butylbenzene	11.963	91	263831	19.753	ug/L	100
109) 1,2-Dclbenz	11.963	146	165996	19.391	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.591	157	23235	21.295	ug/L	97
111) Trielution Dichlorotol...	12.707	125	427163	53.359	ug/L	98
112) 1,3,5-Trichlorobenzene	12.755	180	110882	17.926	ug/L	96
113) Coelution Dichlorotoluene	13.036	125	303654	36.854	ug/L	98
114) 1,2,4-Tcbenzene	13.243	180	114123	19.626	ug/L	97
115) Hexachlorobt	13.383	225	47708	19.686	ug/L	97
116) Naphthalen	13.432	128	332094	21.349	ug/L	99
117) 1,2,3-Tclbenzene	13.621	180	108504	19.836	ug/L	97
118) 2,4,5-Trichlorotoluene	14.206	159	76476	19.148	ug/L	99
119) 2,3,6-Trichlorotoluene	14.292	159	75315	21.215	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6196.D
Acq On : 23 Sep 2024 11:24 am
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 2 Sample Multiplier: 1

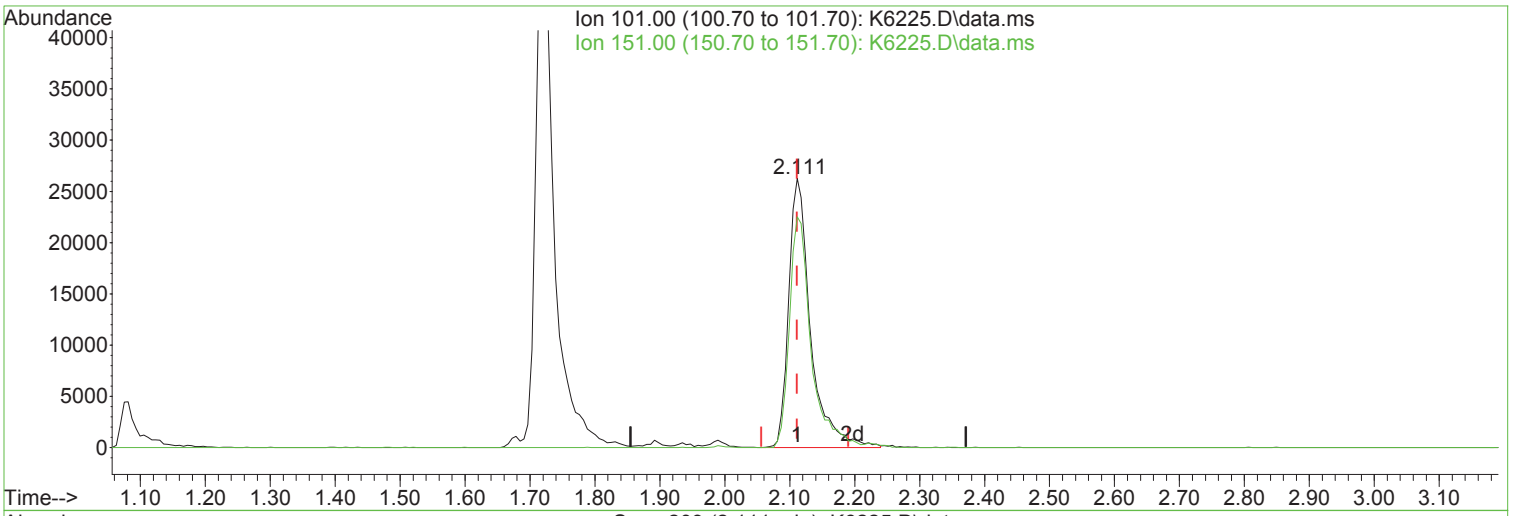
Quant Time: Sep 23 12:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

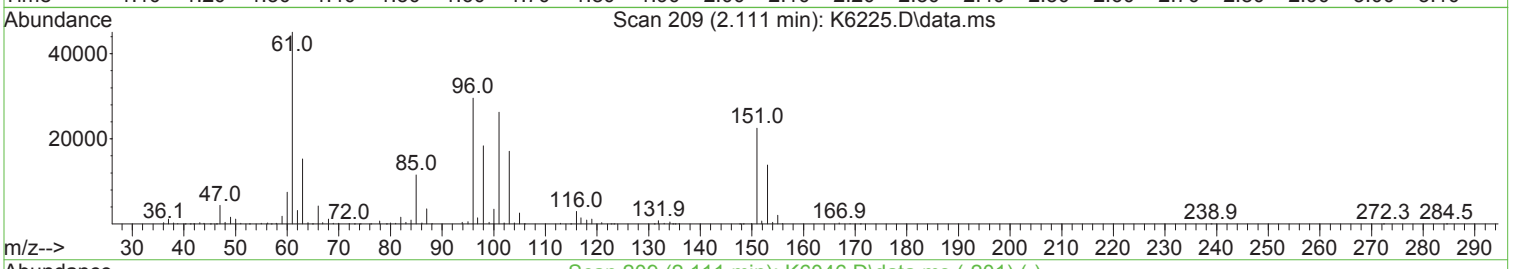


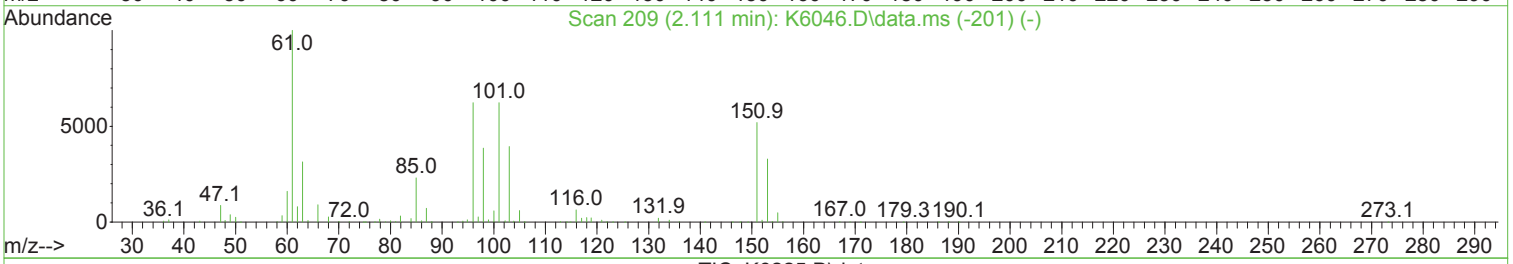
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6225.D\data.ms

(15) Freon 113 (P)

2.111min (+ 0.000) 19.09 ug/L m

response 61431

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	83.30	85.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

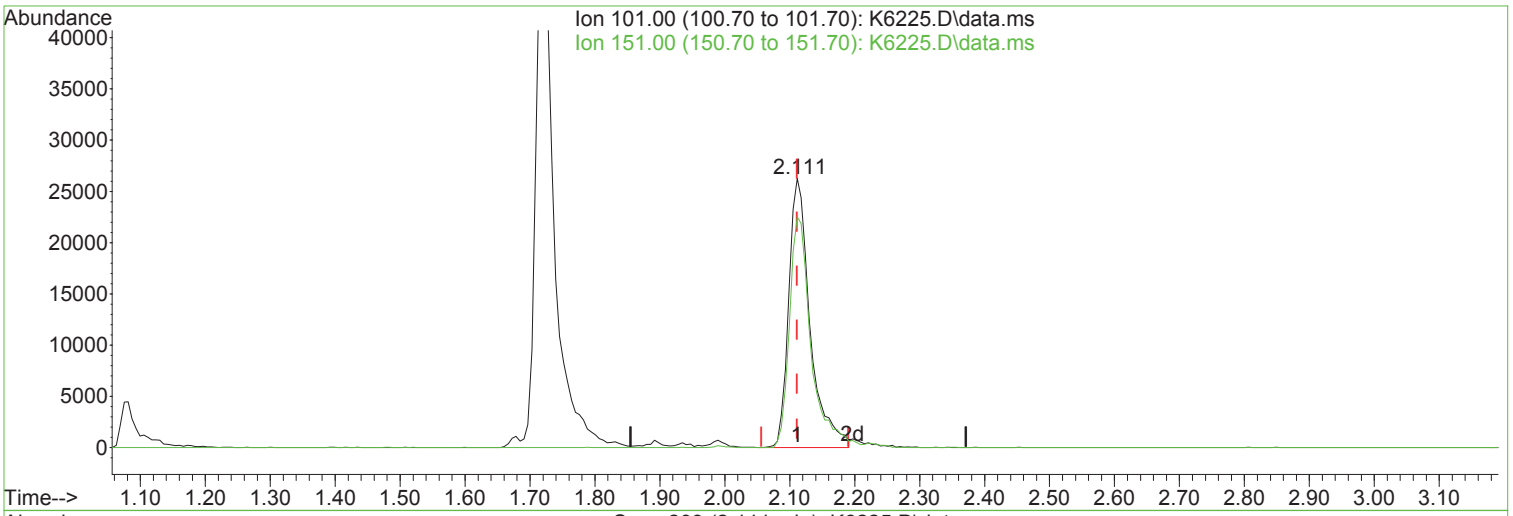
Poor integration.

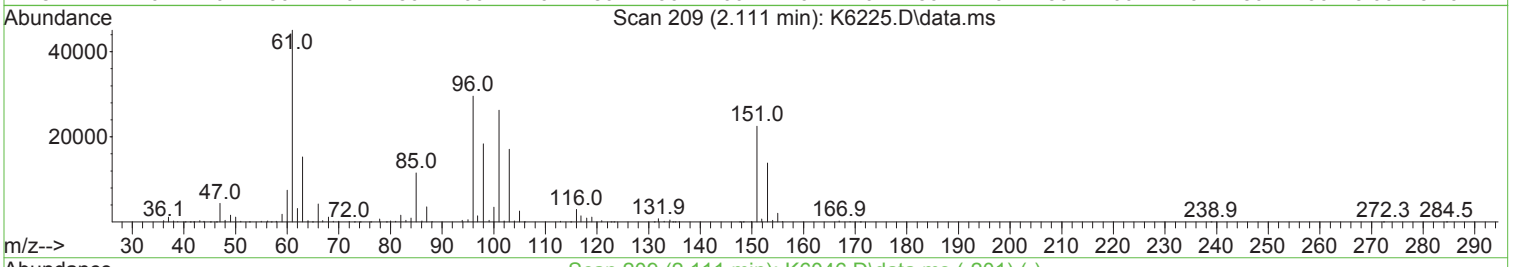
09/24/24

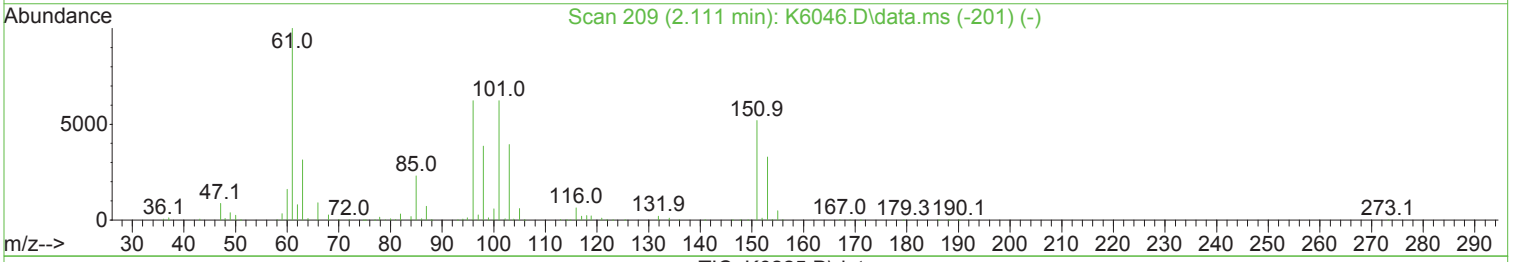
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6225.D\data.ms

(15) Freon 113 (P)

2.111min (+ 0.000) 18.66 ug/L

response 60051

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	83.30	85.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

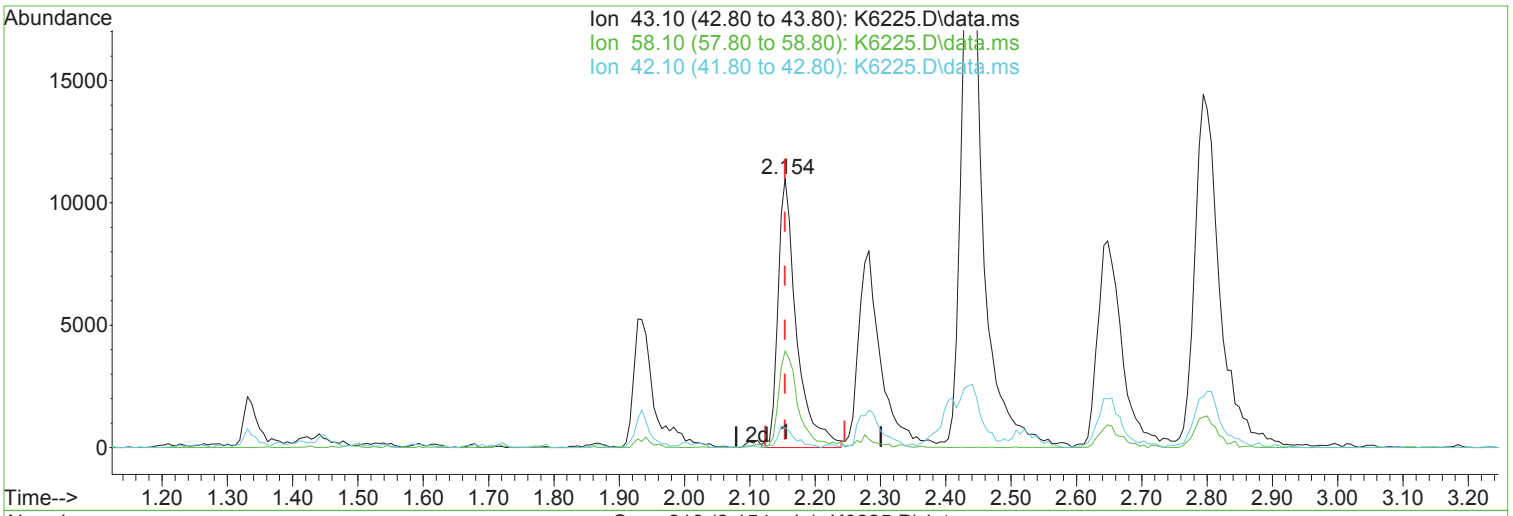
Before

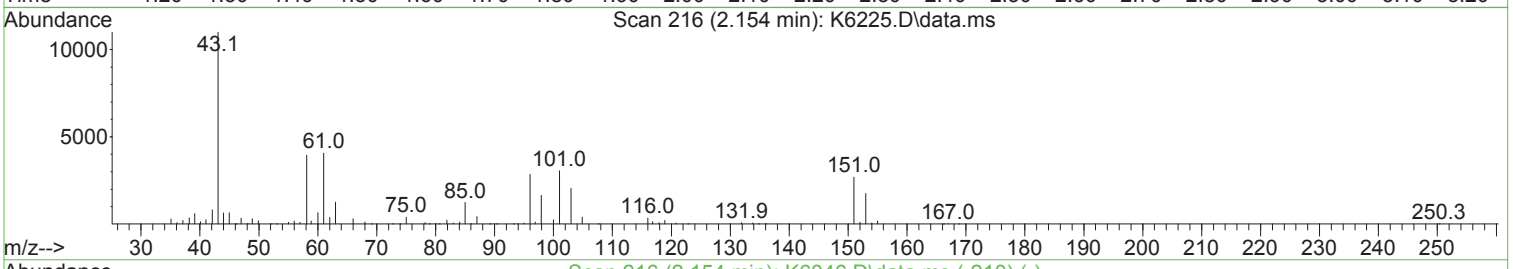
09/24/24

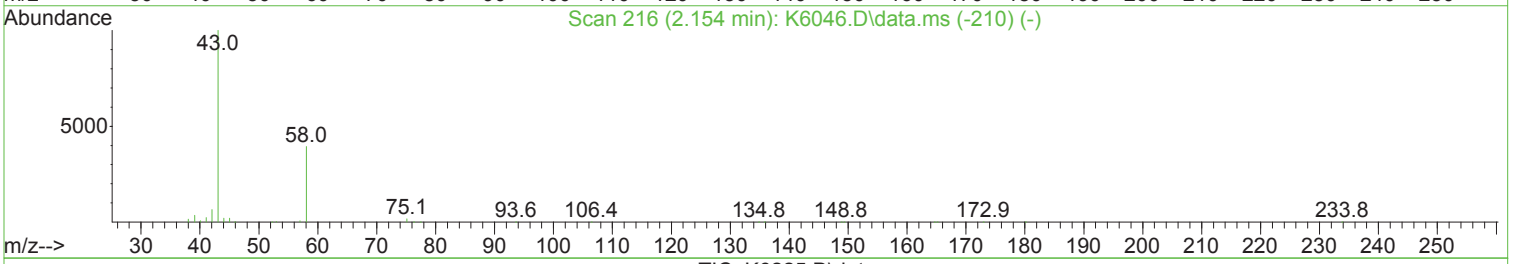
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6225.D\data.ms

(16) Acetone (P)

2.154min (+ 0.000) 14.49 ug/L m

response 21662

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	35.90
42.10	6.60	7.39
0.00	0.00	0.00

Manual Integration:

After

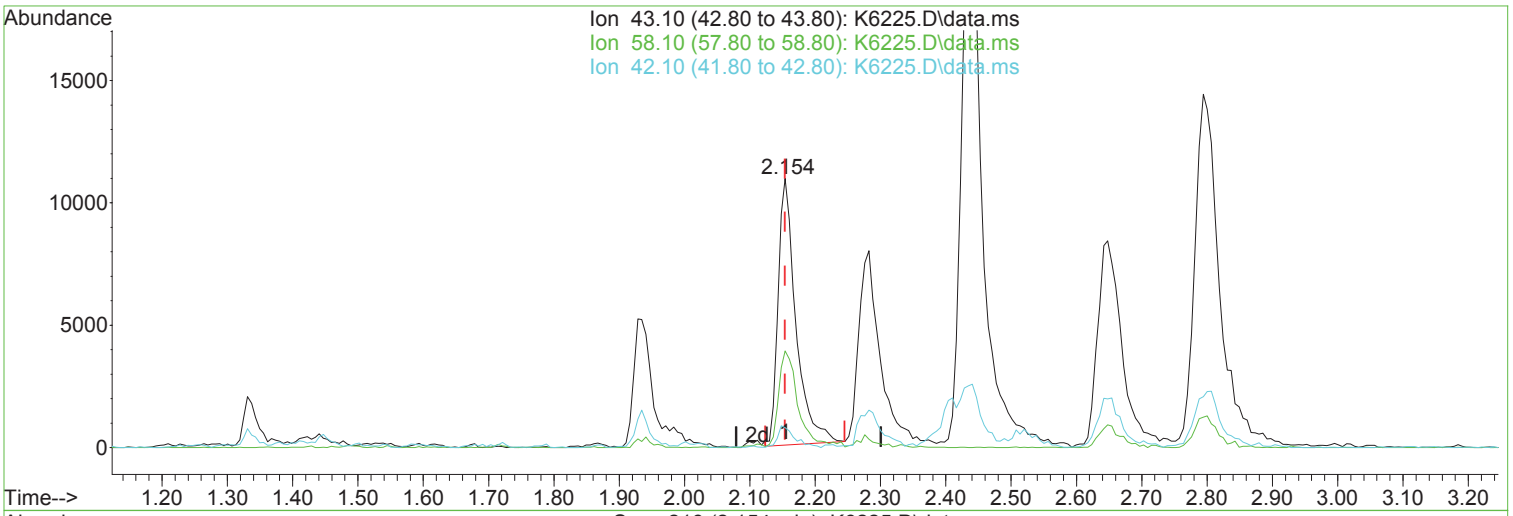
Poor integration.

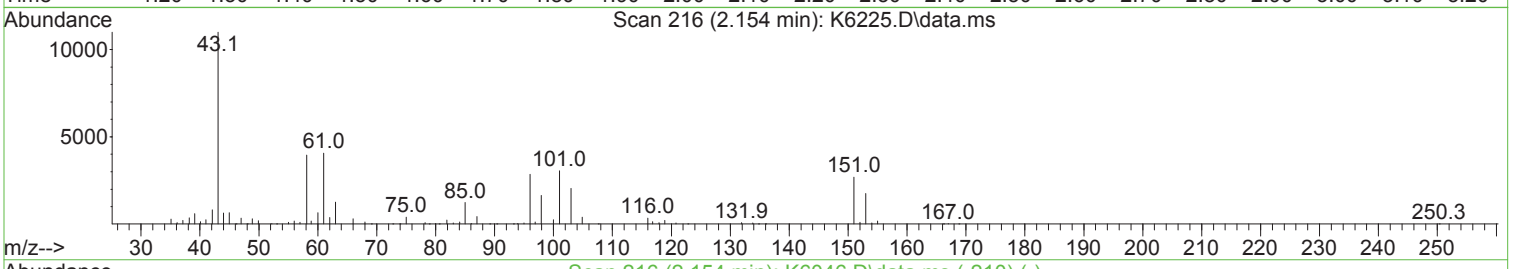
09/24/24

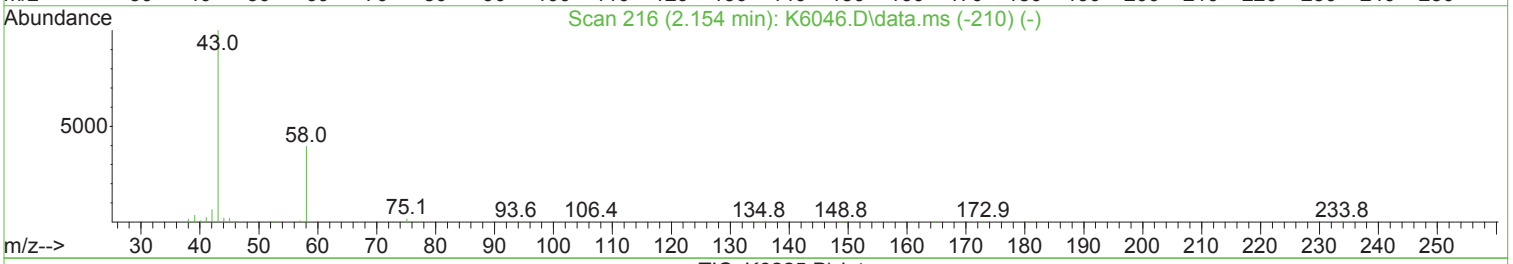
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6225.D\data.ms

(16) Acetone (P)

2.154min (+ 0.000) 13.73 ug/L

response 20527

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	35.90
42.10	6.60	7.39
0.00	0.00	0.00

Manual Integration:

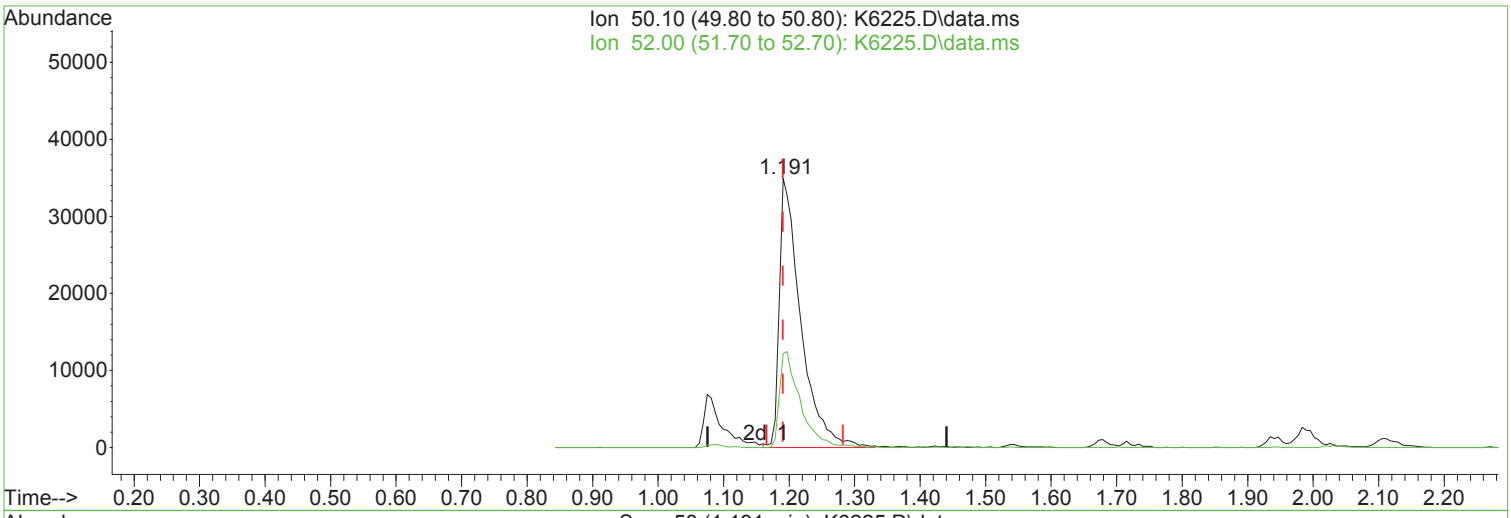
Before

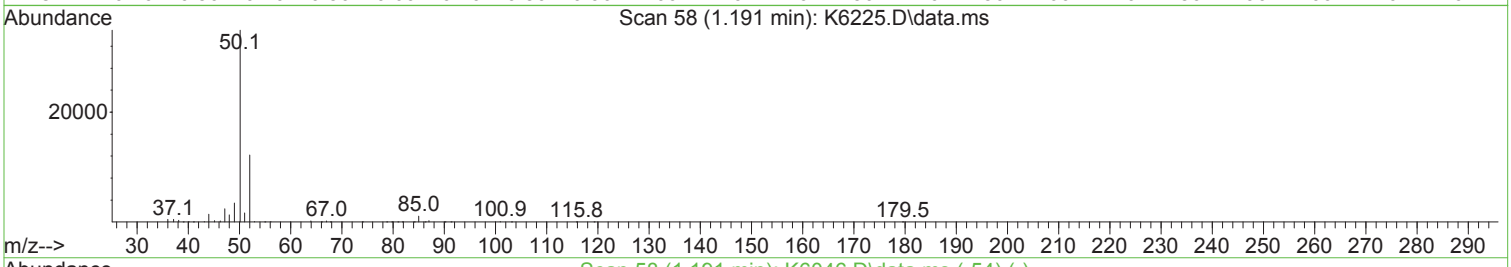
09/24/24

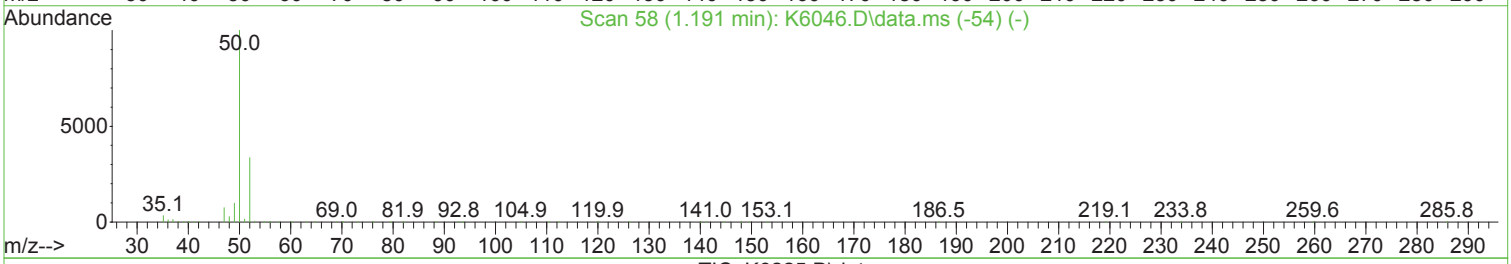
1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6225.D\data.ms

(4) Chloromethane (P)

1.191min (+ 0.000) 19.41 ug/L m

response 79289

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	33.20	34.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

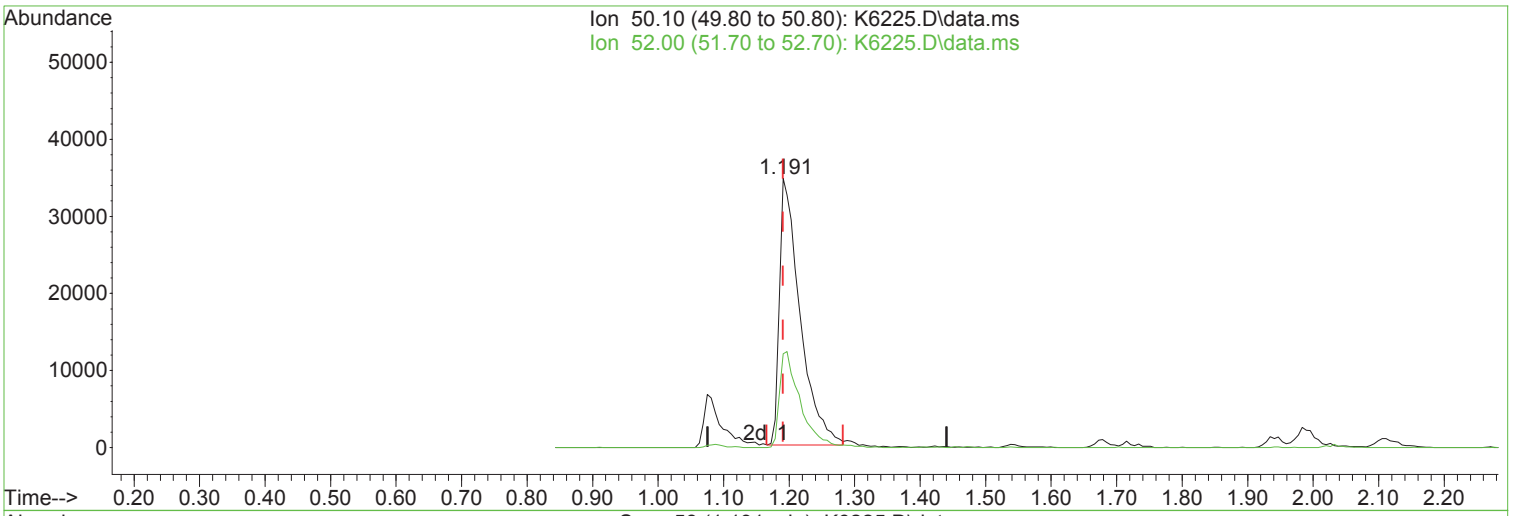
Poor integration.

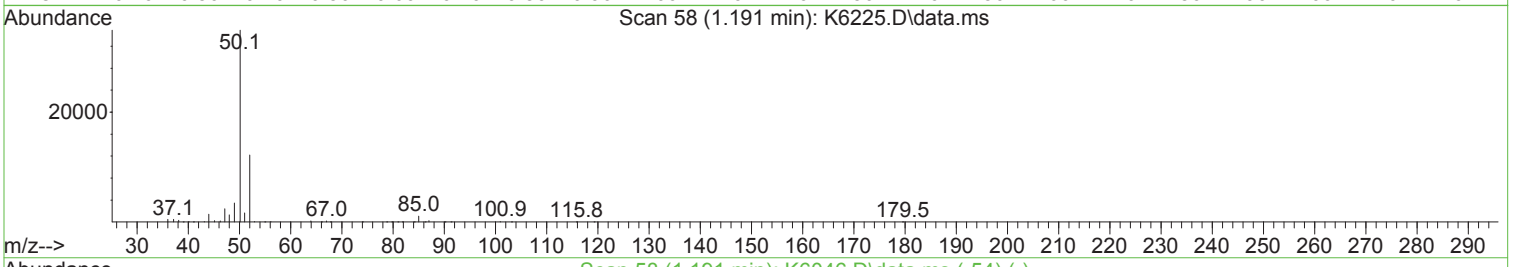
09/24/24

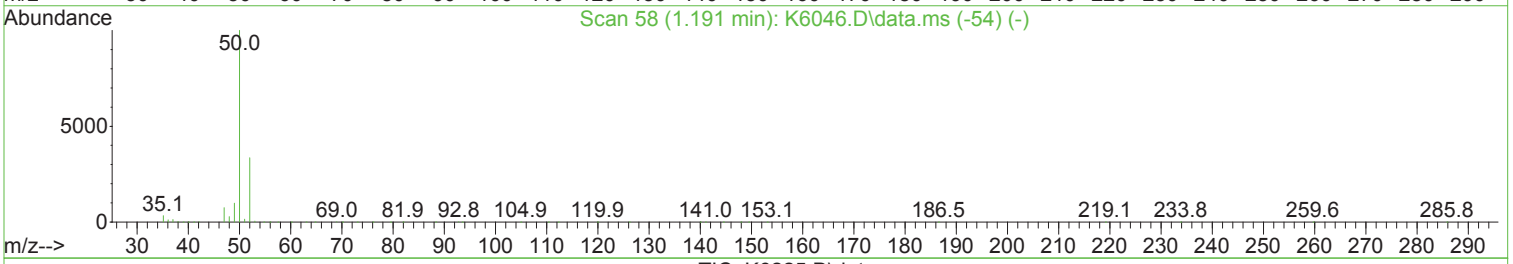
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6225.D\data.ms

(4) Chloromethane (P) **Manual Integration:**

1.191min (+ 0.000) 18.50 ug/L **Before**

response 75581

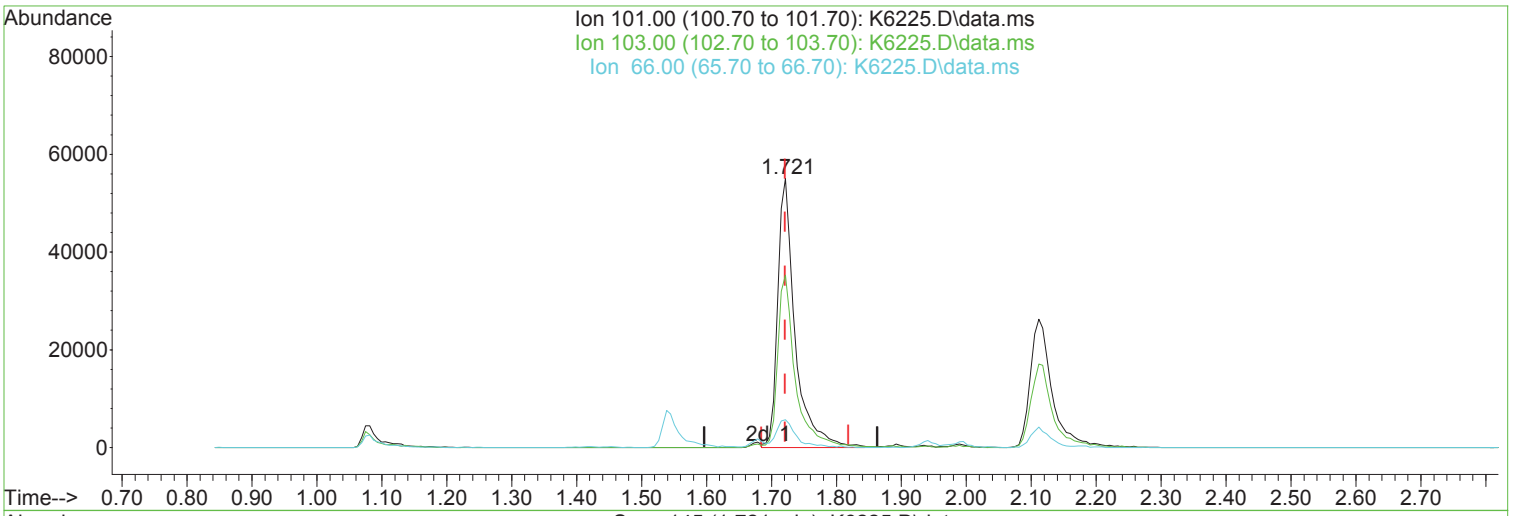
Ion	Exp%	Act%
50.10	100.00	100.00
52.00	33.20	34.86
0.00	0.00	0.00
0.00	0.00	0.00

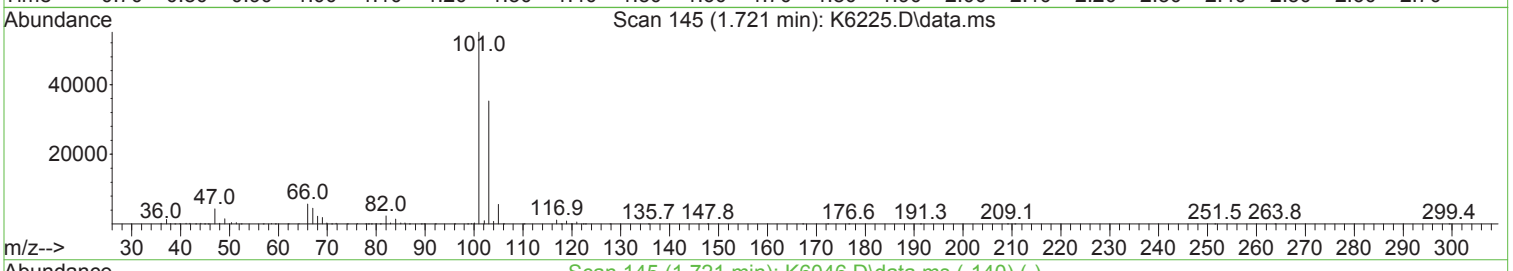
09/24/24

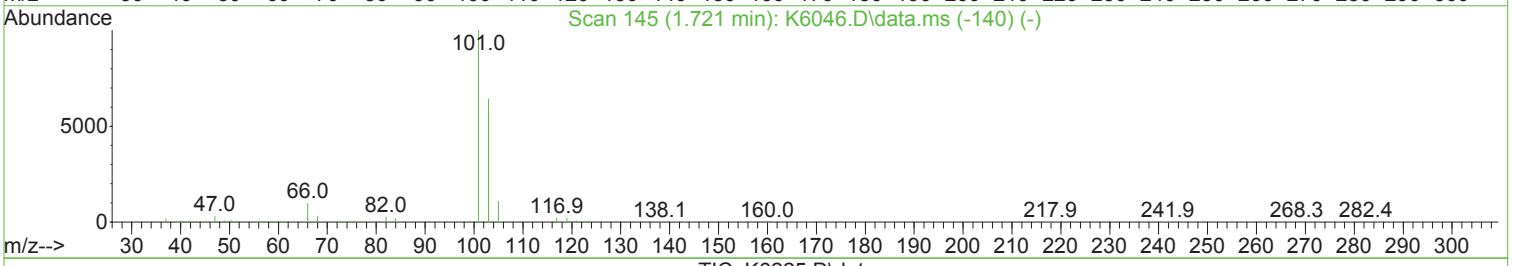
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6225.D\data.ms

(9) Trichlorofluoromethane (P)

1.721min (+ 0.000) 19.86 ug/L m

response 102659

Ion	Exp%	Act%
101.00	100.00	100.00
103.00	64.50	64.08
66.00	11.30	10.39
0.00	0.00	0.00

Manual Integration:

After

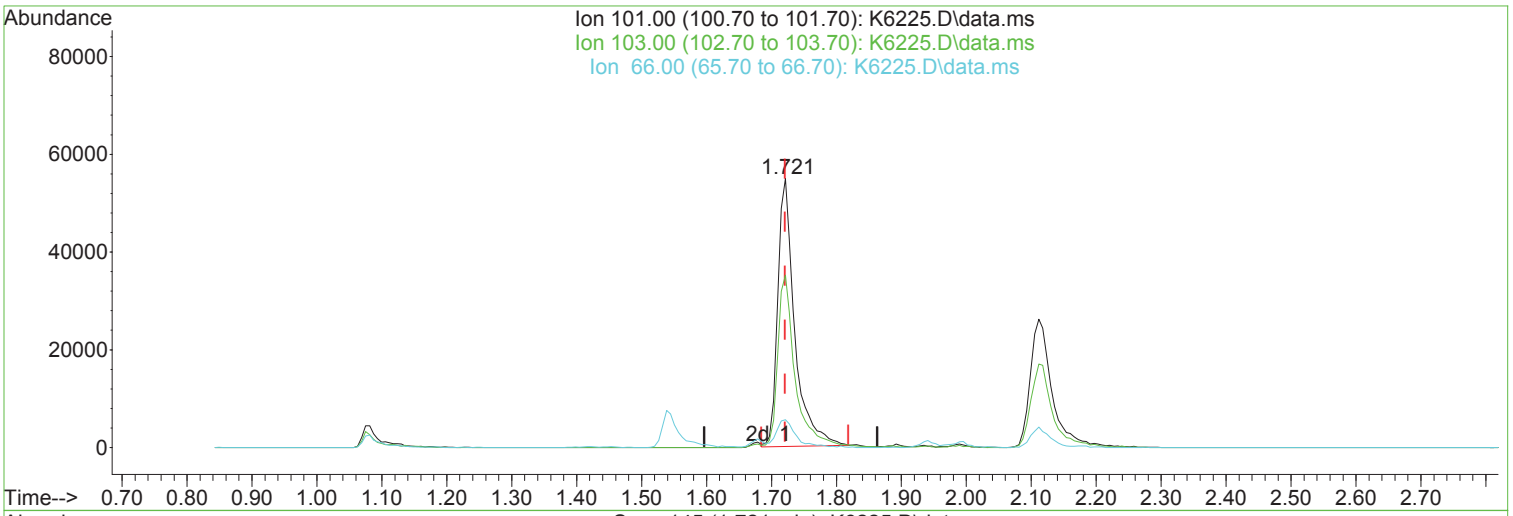
Poor integration.

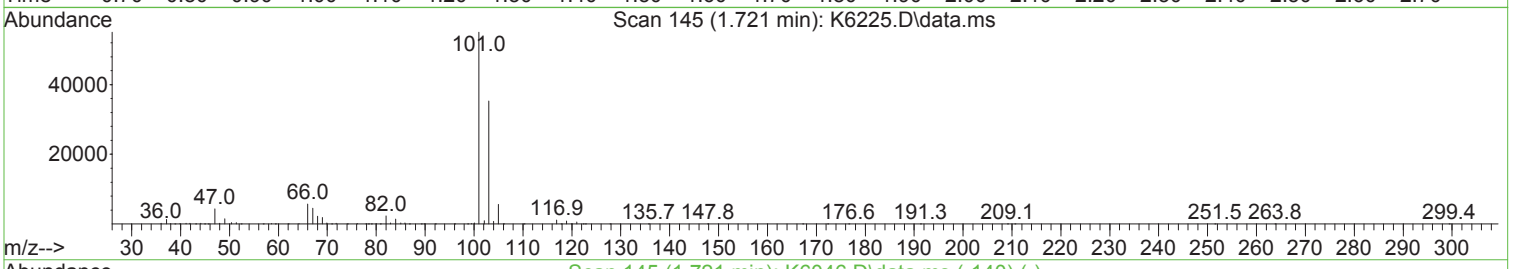
09/24/24

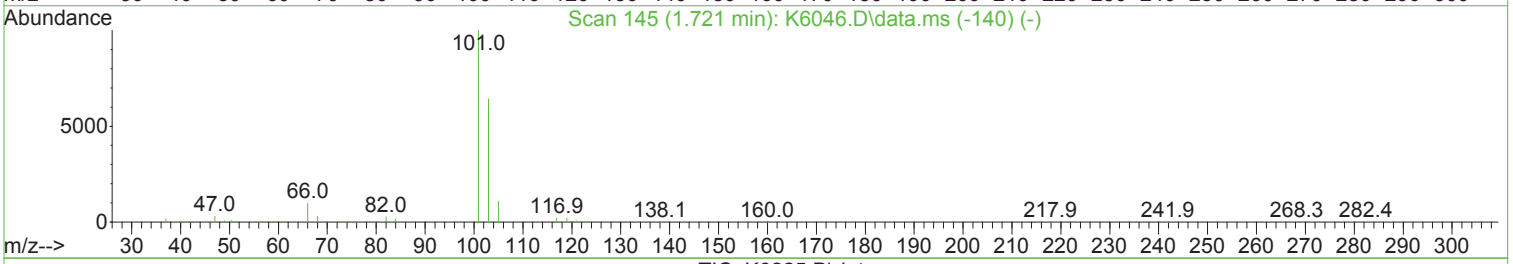
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6225.D\data.ms

(9) Trichlorofluoromethane (P)

1.721min (+ 0.000) 19.27 ug/L

response 99588

Ion	Exp%	Act%
101.00	100.00	100.00
103.00	64.50	64.08
66.00	11.30	10.39
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	387350	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	590344	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	513890	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	269170	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	184298	51.62	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.24%			
47) surr1,1,2-dichloroetha...	5.422	65	203253	50.01	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.02%			
64) SURR3,Toluene-d8	8.049	98	675825	50.55	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.10%			
69) SURR2,BFB	10.659	95	248272	51.28	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.56%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	72830	19.257	ug/L	100
3) Dichlorodifluoromethane	1.075	85	87900	26.310	ug/L	99
4) Chloromethane	1.191	50	79289m	19.411	ug/L	
5) Vinyl Chloride	1.264	62	81901	20.611	ug/L	96
6) Bromomethane	1.471	94	44167	20.491	ug/L	99
7) Chloroethane	1.538	64	43063	18.762	ug/L	97
8) Freon 21	1.679	67	100453	17.373	ug/L	97
9) Trichlorofluoromethane	1.721	101	102659m	19.865	ug/L	
10) Diethyl Ether	1.935	59	65262	19.201	ug/L	98
11) Freon 123a	1.941	67	65392	18.829	ug/L	98
12) Freon 123	1.989	83	103605	23.003	ug/L	97
13) Acrolein	2.026	56	25845	24.933	ug/L	96
14) 1,1-Diclethene	2.105	96	63263	20.062	ug/L	97
15) Freon 113	2.111	101	61431m	19.093	ug/L	
16) Acetone	2.154	43	21662m	14.488	ug/L	
17) 2-Propanol	2.276	45	94262	353.059	ug/L	97
18) Iodomethane	2.227	142	87926	17.889	ug/L	96
19) Carbon Disulfide	2.282	76	134858	17.456	ug/L	99
20) Acetonitrile/Allyl Chl...	2.410	41	128909	115.210	ug/L	98
21) Methyl Acetate	2.435	43	49219	16.623	ug/L	94
22) Methylene Chloride	2.520	84	68217	20.715	ug/L	92
23) TBA	2.648	59	198810	406.768	ug/L	97
24) Acrylonitrile	2.758	53	171714	96.880	ug/L	95
25) Methyl-t-Butyl Ether	2.794	73	200557	20.409	ug/L	96
26) trans-1,2-Dichloroethene	2.788	96	65097	19.099	ug/L	95
27) 1,1-Diclethane	3.245	63	118096	19.268	ug/L	98
28) Vinyl Acetate	3.337	86	11542	14.919	ug/L #	92
29) DIPE	3.361	45	169046	16.412	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.355	53	85711	15.111	ug/L	96
31) ETBE	3.843	59	206437	18.034	ug/L	100
32) 2,2-Dichloropropane	4.007	77	83762	18.463	ug/L	99
33) cis-1,2-Dichloroethene	4.013	96	78388	21.640	ug/L	86
34) 2-Butanone	4.074	43	29304	15.413	ug/L	94
35) Propionitrile	4.154	54	69077	94.857	ug/L	98
36) Bromochloromethane	4.385	130	54052	20.580	ug/L	90
37) Methacrylonitrile	4.404	67	33944	20.305	ug/L	95
38) Tetrahydrofuran	4.483	42	22100	18.574	ug/L	71
39) Chloroform	4.550	83	113363	20.238	ug/L	97
40) 1,1,1-Trichloroethane	4.830	97	99812	19.818	ug/L	97

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) TAME	5.763	73	173942	18.951 ug/L	95
43) Cyclohexane	4.910	41	49208	17.470 ug/L	99
45) Carbontetrachloride	5.129	117	85568	19.576 ug/L	98
46) 1,1-Dichloropropene	5.147	75	79785	18.762 ug/L	96
48) Benzene	5.495	78	249982	19.753 ug/L	98
49) 1,2-Dichloroethane	5.550	62	96978	19.836 ug/L	96
50) Iso-Butyl Alcohol	5.562	43	55925	317.705 ug/L	99
51) n-Heptane	6.025	43	75769	16.770 ug/L	95
52) 1-Butanol	6.586	56	95178	771.751 ug/L	97
53) Trichloroethene	6.507	130	79633	20.059 ug/L	98
54) Methylcyclohexane	6.745	55	94339	18.204 ug/L	89
55) 1,2-Diclpropane	6.806	63	64237	17.799 ug/L	99
56) Dibromomethane	6.952	93	44766	20.807 ug/L	97
57) 1,4-Dioxane	7.031	88	22453	416.878 ug/L	84
58) Methyl Methacrylate	7.056	69	53421	20.619 ug/L	97
59) Bromodichloromethane	7.190	83	83337	21.108 ug/L	99
60) 2-Nitropropane	7.495	41	33408	37.917 ug/L	98
62) cis-1,3-Dichloropropene	7.751	75	102607	21.359 ug/L	99
63) 4-Methyl-2-pentanone	7.976	43	59291	16.986 ug/L	96
65) Toluene	8.123	91	283817	20.015 ug/L	98
66) trans-1,3-Dichloropropene	8.409	75	96072	22.000 ug/L	100
67) Ethyl Methacrylate	8.561	69	94345	20.774 ug/L	96
68) 1,1,2-Trichloroethane	8.598	97	68928	20.883 ug/L	97
71) Tetrachloroethene	8.726	164	60728	19.384 ug/L	96
72) 2-Hexanone	8.909	43	42750	16.299 ug/L	92
73) 1,3-Dichloropropane	8.769	76	105170	19.605 ug/L	97
74) Dibromochloromethane	9.000	129	74557	21.180 ug/L	99
75) N-Butyl Acetate	9.067	43	94011	16.567 ug/L	97
76) 1,2-Dibromoethane	9.092	107	73200	20.469 ug/L	99
77) 3-Chlorobenzotrifluoride	9.628	180	95887	17.131 ug/L	99
78) Chlorobenzene	9.598	112	199076	19.463 ug/L	99
79) 4-Chlorobenzotrifluoride	9.683	180	87471	17.745 ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.689	131	75090	20.830 ug/L	100
81) Ethylbenzene	9.720	106	104623	19.937 ug/L	99
82) (m+p)Xylene	9.836	106	257856	39.826 ug/L	97
83) o-Xylene	10.195	106	125997	19.796 ug/L	99
84) Styrene	10.214	104	218426	20.884 ug/L	98
85) Bromoform	10.366	173	46412	22.384 ug/L	98
86) 2-Chlorobenzotrifluoride	10.451	180	92887	17.665 ug/L	98
87) Isopropylbenzene	10.537	105	323514	21.223 ug/L	99
88) Cyclohexanone	10.604	55	59874	67.314 ug/L	99
89) trans-1,4-Dichloro-2-B...	10.854	53	22833	17.384 ug/L	90
91) 1,1,2,2-Tetrachloroethane	10.811	83	93747	20.171 ug/L	96
92) Bromobenzene	10.781	156	88520	20.555 ug/L	98
93) 1,2,3-Trichloropropane	10.835	110	32024	19.635 ug/L	96
94) n-Propylbenzene	10.896	91	361930	19.520 ug/L	99
95) 2-Chlorotoluene	10.957	91	218354	19.846 ug/L	99
96) 3-Chlorotoluene	11.012	91	210069	18.399 ug/L	100
97) 4-Chlorotoluene	11.049	91	258226	20.018 ug/L	99
98) 1,3,5-Trimethylbenzene	11.049	105	279026	19.824 ug/L	99
99) tert-Butylbenzene	11.323	119	246370	19.723 ug/L	99
100) 1,2,4-Trimethylbenzene	11.366	105	276586	19.837 ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.433	214	67368	17.038 ug/L	98
102) sec-Butylbenzene	11.506	105	345280	19.600 ug/L	99
103) p-Isopropyltoluene	11.628	119	312654	20.676 ug/L	98
104) 1,3-Dclbenz	11.585	146	173572	20.789 ug/L	97

1st KR 09/24/24
2nd FJ 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

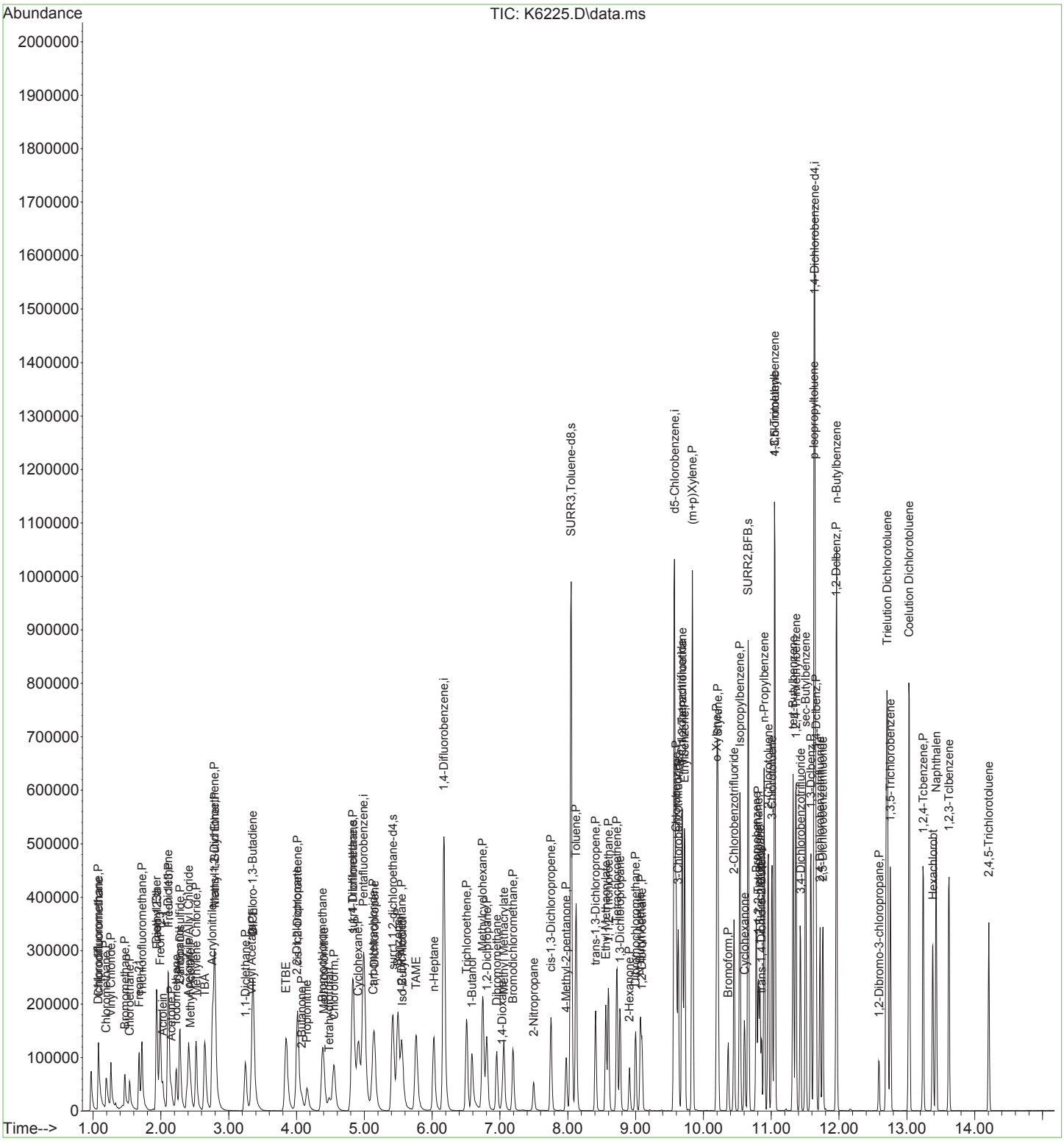
Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.658	146	171296	20.509	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	60371	17.294	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.762	214	69994	17.911	ug/L	100
108) n-Butylbenzene	11.963	91	251858	19.896	ug/L	100
109) 1,2-Dclbenz	11.957	146	162320	20.007	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.591	157	22344	21.608	ug/L	97
111) Trielution Dichlorotol...	12.707	125	414350	54.611	ug/L	98
112) 1,3,5-Trichlorobenzene	12.756	180	108586	18.522	ug/L	96
113) Coelution Dichlorotoluene	13.030	125	298192	38.186	ug/L	95
114) 1,2,4-Tcbenzene	13.244	180	114268	20.734	ug/L	97
115) Hexachlorobt	13.384	225	47676	20.757	ug/L	98
116) Naphthalen	13.433	128	326709	22.160	ug/L	100
117) 1,2,3-Tclbenzene	13.622	180	108540	20.937	ug/L	96
118) 2,4,5-Trichlorotoluene	14.207	159	74908	19.790	ug/L	99

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6225.D
Acq On : 23 Sep 2024 10:42 pm
Operator : K.Ruest
Sample : LCS-FP
Misc :
ALS Vial : 26 Sample Multiplier: 1

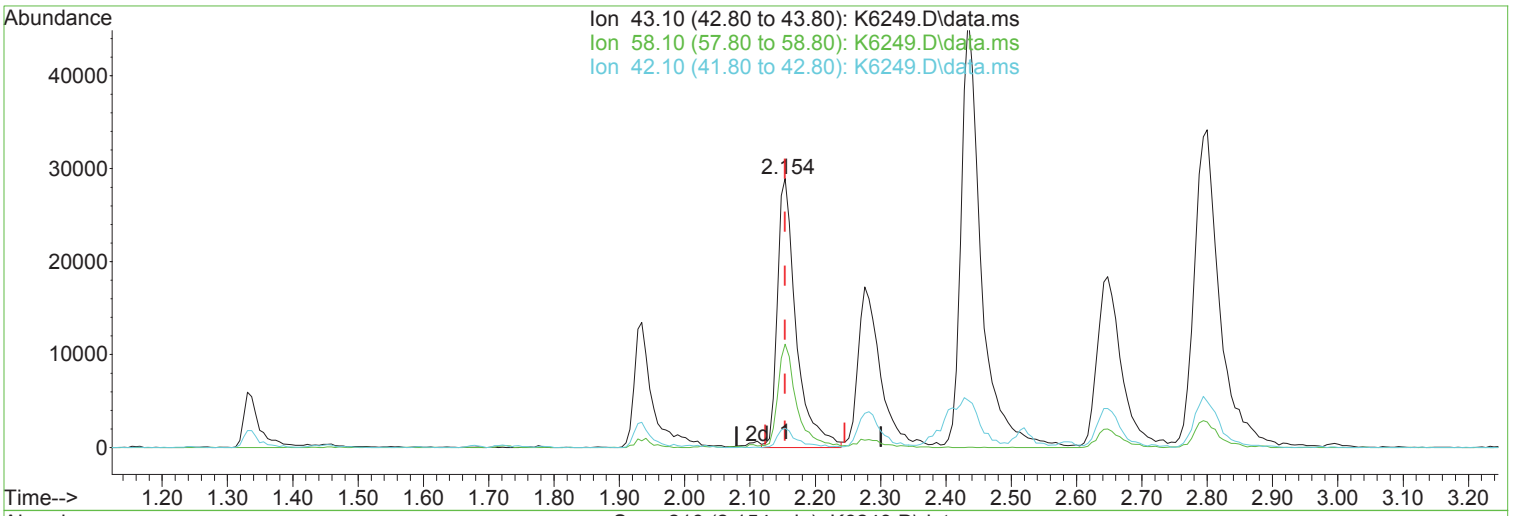
Quant Time: Sep 24 09:25:10 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

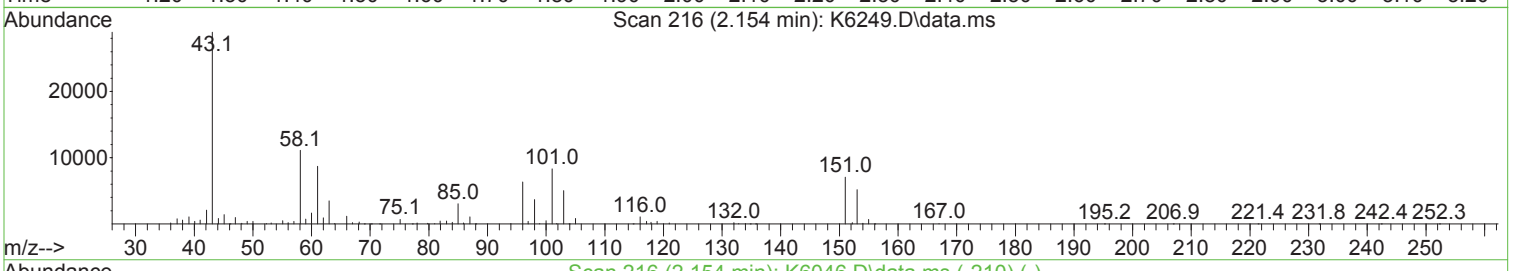


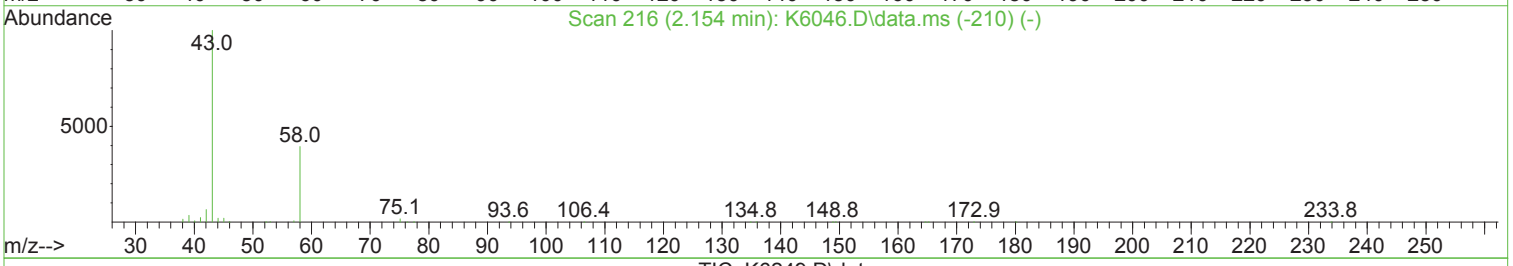
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6249.D
Acq On : 24 Sep 2024 07:53 am
Operator : K.Ruest
Sample : R2409108-009MS|1.0
Misc : VERINA 8260 T2
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 24 10:35:30 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6249.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 37.62 ug/L m

response 57462

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	38.38
42.10	6.60	7.14
0.00	0.00	0.00

Manual Integration:

After

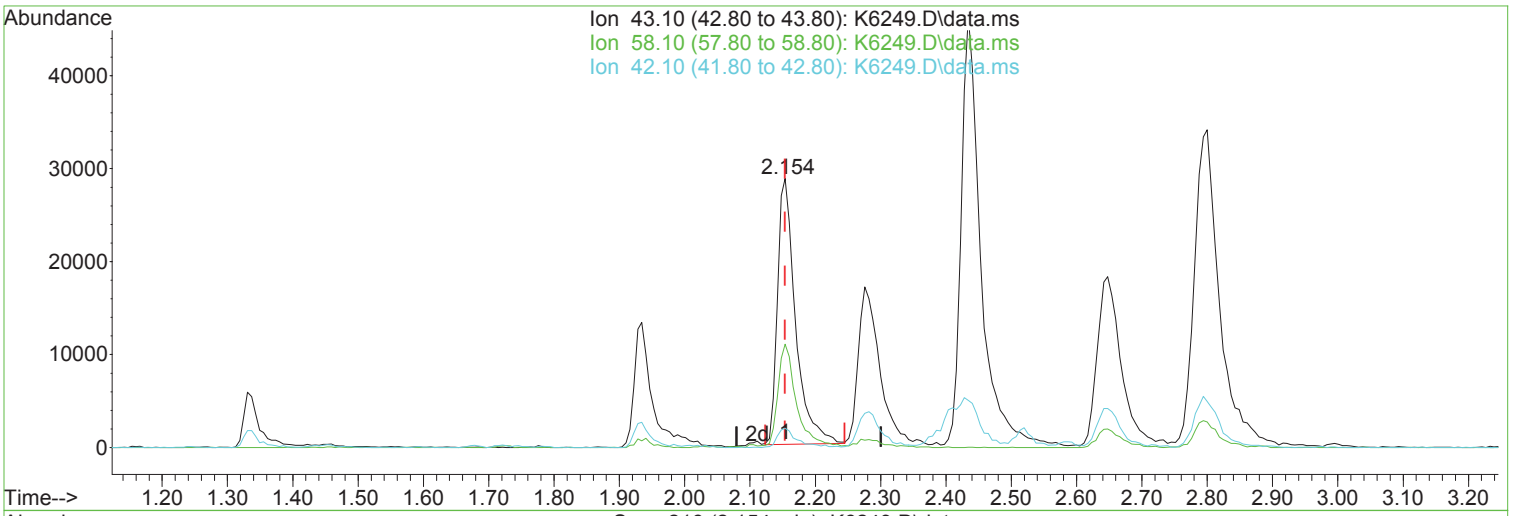
Poor integration.

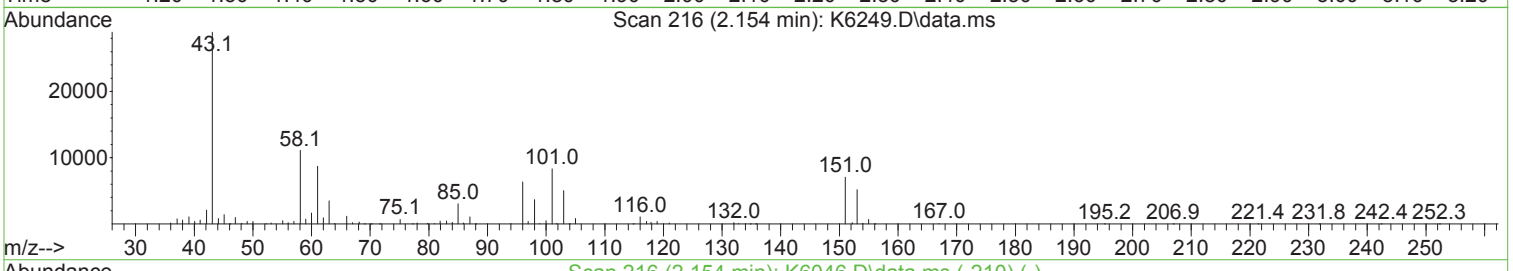
09/25/24

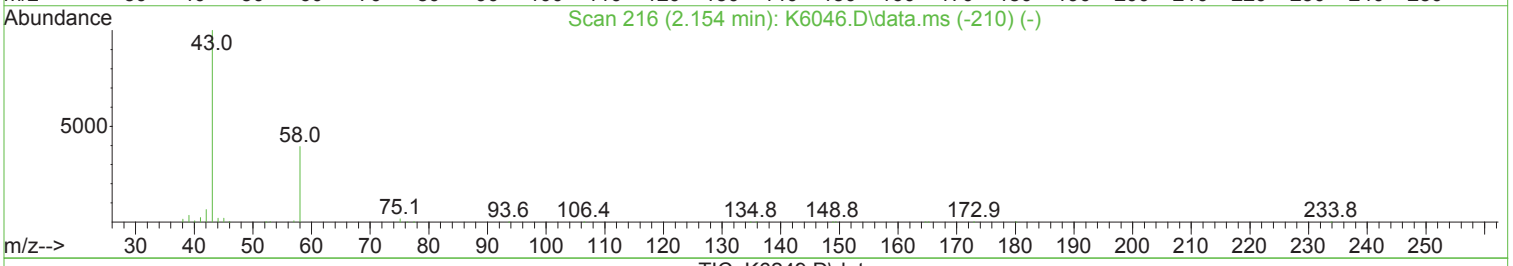
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6249.D
Acq On : 24 Sep 2024 07:53 am
Operator : K.Ruest
Sample : R2409108-009MS|1.0
Misc : VERINA 8260 T2
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 24 10:35:30 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6249.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 35.86 ug/L

response 54773

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	38.38
42.10	6.60	7.14
0.00	0.00	0.00

Manual Integration:

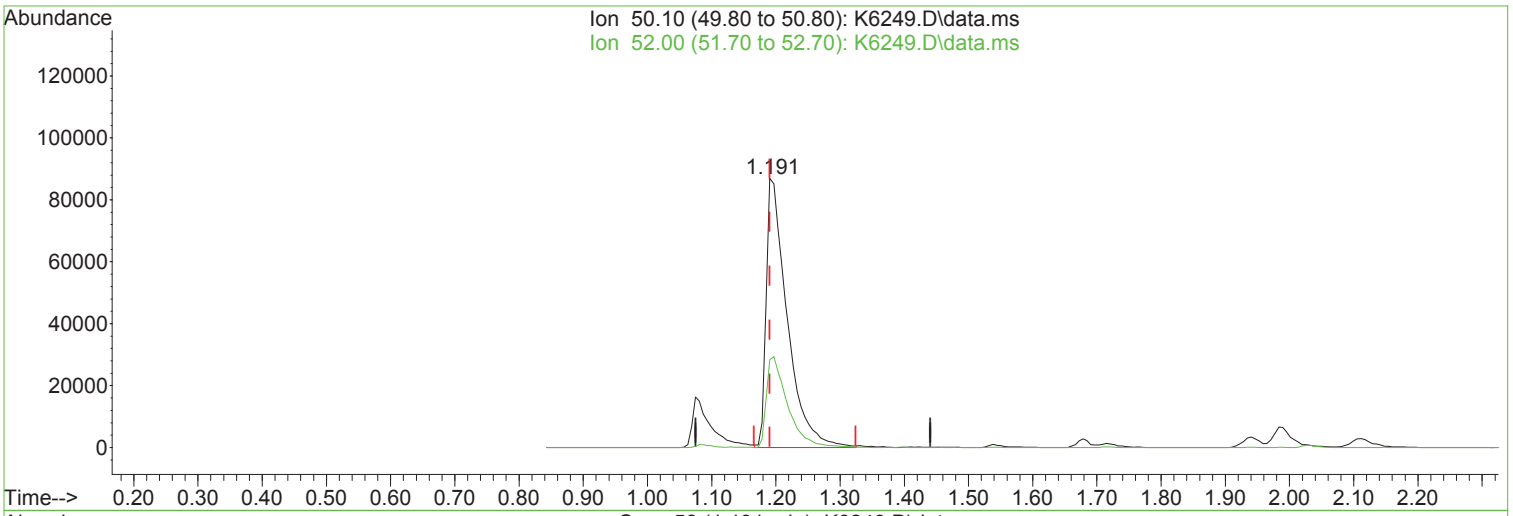
Before

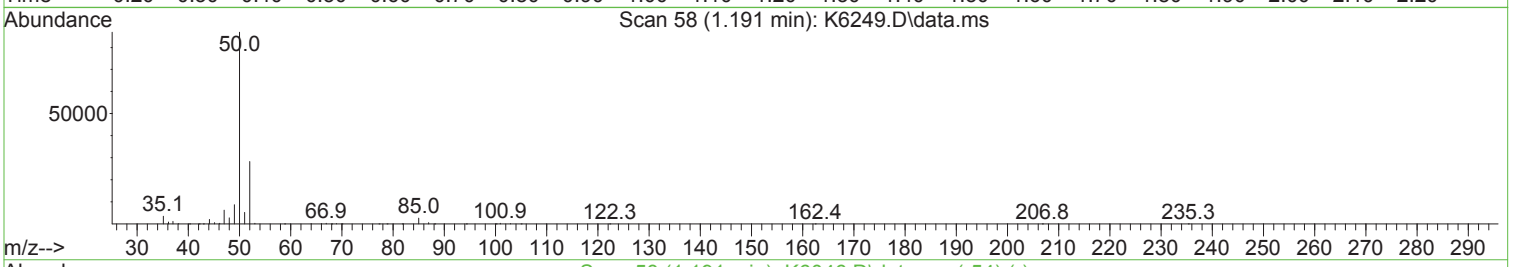
09/25/24

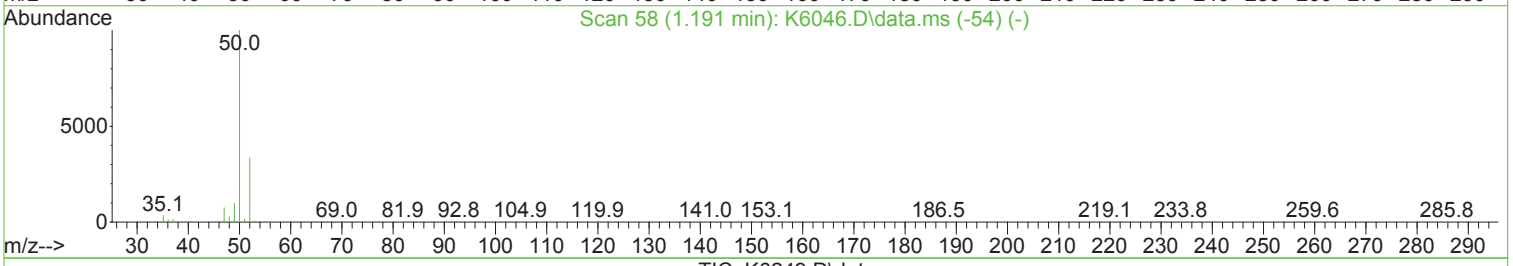
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6249.D
Acq On : 24 Sep 2024 07:53 am
Operator : K.Ruest
Sample : R2409108-009MS|1.0
Misc : VERINA 8260 T2
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 24 10:35:30 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6249.D\data.ms

(4) Chloromethane (P)

1.191min (-0.000) 47.20 ug/L m

response 196946

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	33.20	32.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

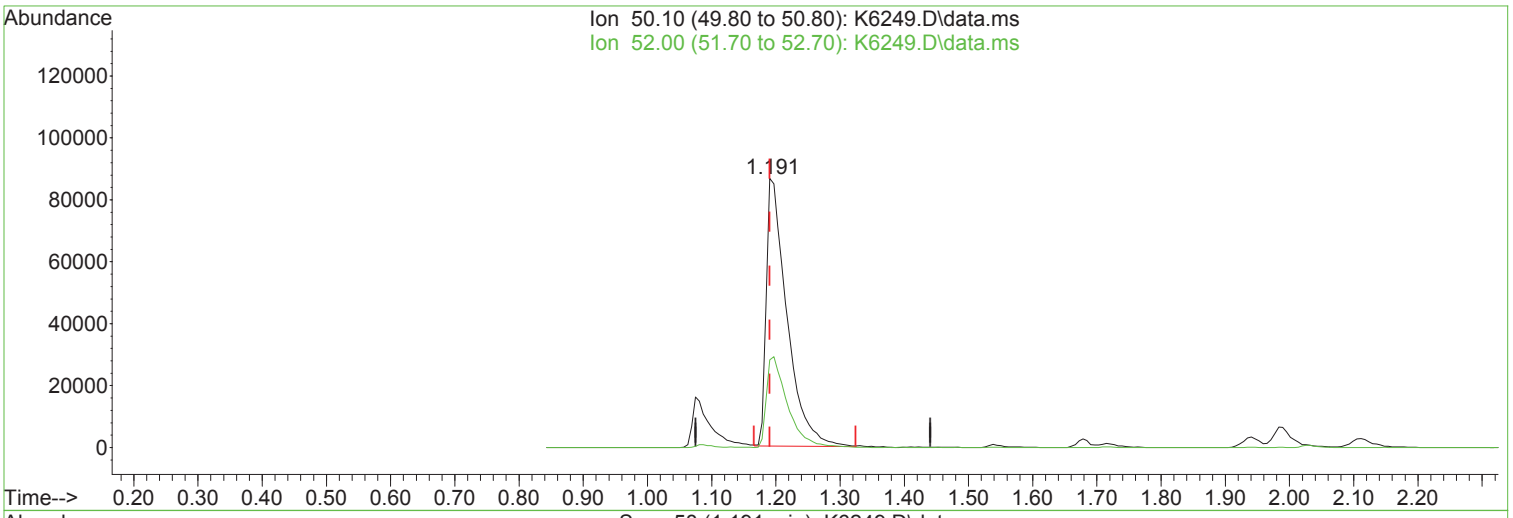
Poor integration.

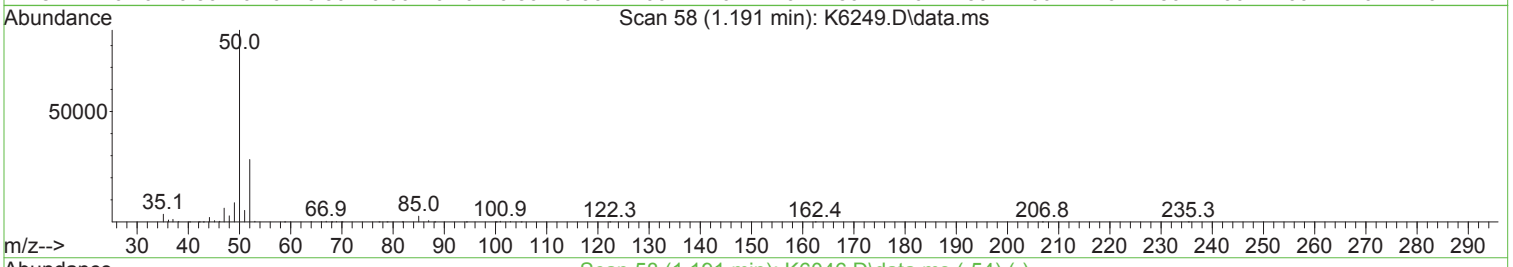
09/25/24

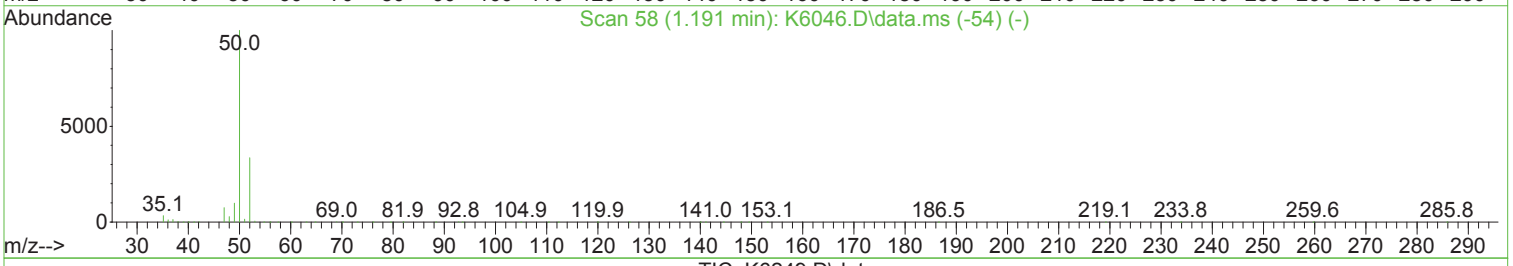
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6249.D
Acq On : 24 Sep 2024 07:53 am
Operator : K.Ruest
Sample : R2409108-009MS|1.0
Misc : VERINA 8260 T2
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 24 10:35:30 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6249.D\data.ms

(4) Chloromethane (P)

1.191min (-0.000) 46.26 ug/L

response 193023

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	33.20	32.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/25/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6249.D
Acq On : 24 Sep 2024 07:53 am
Operator : K.Ruest
Sample : R2409108-009MS|1.0
Misc : VERINA 8260 T2
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 24 10:35:30 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	395694	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	598203	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	521498	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	276928	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	182738	50.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.02%			
47) surr1,1,2-dichloroetha...	5.422	65	201596	48.95	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.90%			
64) SURR3,Toluene-d8	8.049	98	689715	50.92	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.84%			
69) SURR2,BFB	10.658	95	257682	52.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.04%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	189265	48.987	ug/L	97
3) Dichlorodifluoromethane	1.075	85	216976	63.575	ug/L	98
4) Chloromethane	1.191	50	196946m	47.198	ug/L	
5) Vinyl Chloride	1.264	62	206227	50.804	ug/L	99
6) Bromomethane	1.465	94	106887	51.935	ug/L	96
7) Chloroethane	1.538	64	108709	46.750	ug/L	100
8) Freon 21	1.678	67	252899	42.815	ug/L	99
9) Trichlorofluoromethane	1.721	101	254474	48.203	ug/L	99
10) Diethyl Ether	1.934	59	154941	44.624	ug/L	97
11) Freon 123a	1.940	67	162047	45.675	ug/L	94
12) Freon 123	1.989	83	259137	56.321	ug/L	98
13) Acrolein	2.032	56	63470	59.939	ug/L	100
14) 1,1-Diclethene	2.105	96	163290	50.691	ug/L	98
15) Freon 113	2.111	101	153670	46.753	ug/L	96
16) Acetone	2.154	43	57462m	37.621	ug/L	
17) 2-Propanol	2.276	45	210045	770.136	ug/L	96
18) Iodomethane	2.227	142	272442	54.260	ug/L	99
19) Carbon Disulfide	2.282	76	394653	50.005	ug/L	100
20) Acetonitrile/Allyl Chl...	2.410	41	312195	273.135	ug/L	95
21) Methyl Acetate	2.434	43	95057	31.427	ug/L	98
22) Methylene Chloride	2.520	84	163678	49.337	ug/L	93
23) TBA	2.648	59	432898	867.038	ug/L	100
24) Acrylonitrile	2.757	53	380245	210.007	ug/L	98
25) Methyl-t-Butyl Ether	2.800	73	474992	47.316	ug/L	96
26) trans-1,2-Dichloroethene	2.788	96	163634	46.996	ug/L	96
27) 1,1-Diclethane	3.245	63	302083	48.248	ug/L	100
28) Vinyl Acetate	3.343	86	24726	31.287	ug/L #	83
29) DIPE	3.361	45	447532	42.533	ug/L	91
30) 2-Chloro-1,3-Butadiene	3.355	53	260434	44.946	ug/L	92
31) ETBE	3.843	59	526849	45.055	ug/L	99
32) 2,2-Dichloropropane	4.007	77	178059	38.421	ug/L	95
33) cis-1,2-Dichloroethene	4.019	96	192794	52.100	ug/L	91
34) 2-Butanone	4.074	43	76940	39.615	ug/L	95
35) Propionitrile	4.154	54	153481	206.317	ug/L	97
36) Bromochloromethane	4.379	130	131863	49.147	ug/L	93
37) Methacrylonitrile	4.397	67	77287	45.257	ug/L	95
38) Tetrahydrofuran	4.477	42	49502	40.727	ug/L	90
39) Chloroform	4.550	83	281946	49.273	ug/L	98
40) 1,1,1-Trichloroethane	4.830	97	260429	50.618	ug/L	99

1st KR 09/25/24
2nd FJ 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6249.D
Acq On : 24 Sep 2024 07:53 am
Operator : K.Ruest
Sample : R2409108-009MS|1.0
Misc : VERINA 8260 T2
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 24 10:35:30 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.763	73	435045	46.400	ug/L	97
43) Cyclohexane	4.916	41	121163	42.451	ug/L	99
45) Carbontetrachloride	5.129	117	226491	51.134	ug/L	98
46) 1,1-Dichloropropene	5.147	75	199909	46.393	ug/L	96
48) Benzene	5.495	78	636993	49.671	ug/L	98
49) 1,2-Dichloroethane	5.544	62	232818	46.995	ug/L	98
50) Iso-Butyl Alcohol	5.562	43	124568	698.362	ug/L	97
51) n-Heptane	6.025	43	149924	32.746	ug/L	96
52) 1-Butanol	6.586	56	238221	1906.238	ug/L	95
53) Trichloroethene	6.507	130	201792	50.163	ug/L	99
54) Methylcyclohexane	6.745	55	226326	43.099	ug/L	88
55) 1,2-Diclpropane	6.805	63	160690	43.939	ug/L	99
56) Dibromomethane	6.952	93	109595	50.270	ug/L	97
57) 1,4-Dioxane	7.031	88	46985	860.896	ug/L	93
58) Methyl Methacrylate	7.055	69	123174	46.918	ug/L	93
59) Bromodichloromethane	7.190	83	209637	52.399	ug/L	99
60) 2-Nitropropane	7.494	41	78215	87.605	ug/L	100
62) cis-1,3-Dichloropropene	7.750	75	245704	50.475	ug/L	99
63) 4-Methyl-2-pentanone	7.976	43	153442	43.381	ug/L	98
65) Toluene	8.122	91	723777	50.370	ug/L	100
66) trans-1,3-Dichloropropene	8.409	75	230666	52.127	ug/L	98
67) Ethyl Methacrylate	8.561	69	225789	49.065	ug/L	94
68) 1,1,2-Trichloroethane	8.598	97	165346	49.437	ug/L	96
71) Tetrachloroethene	8.726	164	149882	47.144	ug/L	96
72) 2-Hexanone	8.909	43	107748	40.482	ug/L	90
73) 1,3-Dichloropropane	8.769	76	249517	45.834	ug/L	97
74) Dibromochloromethane	9.000	129	188072	52.647	ug/L	98
75) N-Butyl Acetate	9.067	43	179361	31.146	ug/L	96
76) 1,2-Dibromoethane	9.092	107	175382	48.327	ug/L	100
77) 3-Chlorobenzotrifluoride	9.628	180	243443	42.859	ug/L	97
78) Chlorobenzene	9.598	112	493615	47.556	ug/L	98
79) 4-Chlorobenzotrifluoride	9.683	180	221026	44.185	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.689	131	189889	51.907	ug/L	97
81) Ethylbenzene	9.726	106	264574	49.682	ug/L	98
82) (m+p)Xylene	9.842	106	648197	98.655	ug/L	99
83) o-Xylene	10.201	106	315907	48.911	ug/L	99
84) Styrene	10.213	104	503607	47.448	ug/L	99
85) Bromoform	10.366	173	118405	56.272	ug/L	98
86) 2-Chlorobenzotrifluoride	10.451	180	247289	46.342	ug/L	99
87) Isopropylbenzene	10.537	105	810771	52.412	ug/L	98
88) Cyclohexanone	10.604	55	128117	141.935	ug/L	97
89) trans-1,4-Dichloro-2-B...	10.860	53	49171	36.891	ug/L	90
91) 1,1,2,2-Tetrachloroethane	10.811	83	213573	44.665	ug/L	99
92) Bromobenzene	10.780	156	217147	49.011	ug/L	99
93) 1,2,3-Trichloropropane	10.835	110	74892	44.632	ug/L	99
94) n-Propylbenzene	10.896	91	886660	46.482	ug/L	100
95) 2-Chlorotoluene	10.957	91	551908	48.758	ug/L	98
96) 3-Chlorotoluene	11.012	91	548563	46.700	ug/L	99
97) 4-Chlorotoluene	11.049	91	637794	48.058	ug/L	99
98) 1,3,5-Trimethylbenzene	11.055	105	689196	47.594	ug/L	100
99) tert-Butylbenzene	11.323	119	620382	48.272	ug/L	99
100) 1,2,4-Trimethylbenzene	11.366	105	678429	47.295	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.433	214	157271	38.661	ug/L	100
102) sec-Butylbenzene	11.506	105	852283	47.025	ug/L	99
103) p-Isopropyltoluene	11.634	119	761635	48.956	ug/L	99
104) 1,3-Dclbenz	11.585	146	411001	47.847	ug/L	99

1st KR 09/25/24
2nd FJ 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6249.D
Acq On : 24 Sep 2024 07:53 am
Operator : K.Ruest
Sample : R2409108-009MS|1.0
Misc : VERINA 8260 T2
ALS Vial : 50 Sample Multiplier: 1

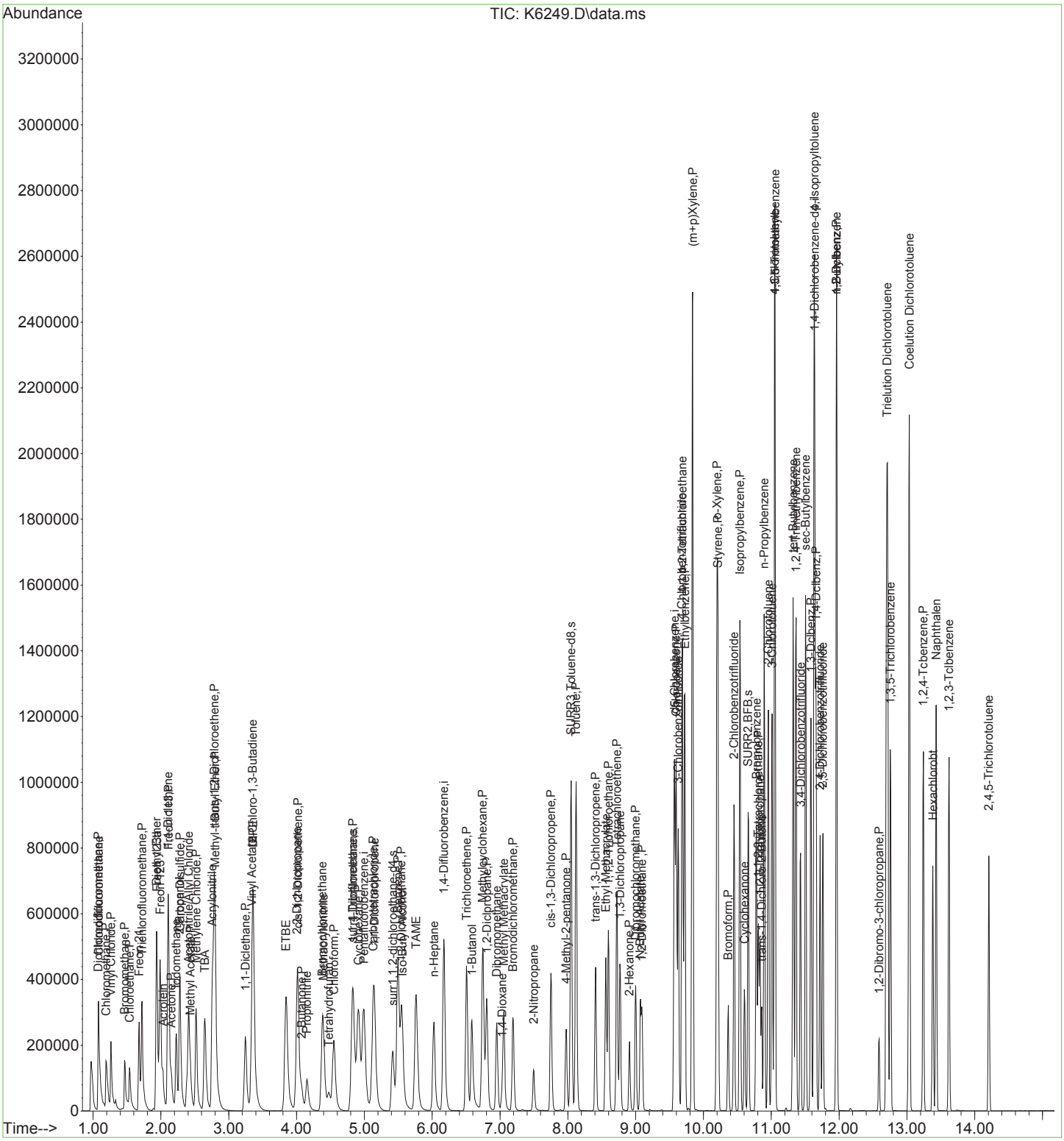
Quant Time: Sep 24 10:35:30 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.658	146	410827	47.810	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	149810	41.712	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.762	214	162464	40.408	ug/L	99
108) n-Butylbenzene	11.963	91	608935	46.756	ug/L	98
109) 1,2-Dclbenz	11.963	146	403510	48.342	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	54729	51.443	ug/L	98
111) Trielution Dichlorotol...	12.713	125	1053713	134.988	ug/L	98
112) 1,3,5-Trichlorobenzene	12.756	180	266970	44.263	ug/L	99
113) Coelution Dichlorotoluene	13.036	125	762268	94.881	ug/L	99
114) 1,2,4-Tcbenzene	13.243	180	270197	47.655	ug/L	99
115) Hexachlorobt	13.384	225	107209	45.369	ug/L	99
116) Naphthalen	13.432	128	752126	49.587	ug/L	100
117) 1,2,3-Tclbenzene	13.621	180	259963	48.741	ug/L	98
118) 2,4,5-Trichlorotoluene	14.207	159	172599	44.321	ug/L	99

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6249.D
Acq On : 24 Sep 2024 07:53 am
Operator : K.Ruest
Sample : R2409108-009MS|1.0
Misc : VERINA 8260 T2
ALS Vial : 50 Sample Multiplier: 1

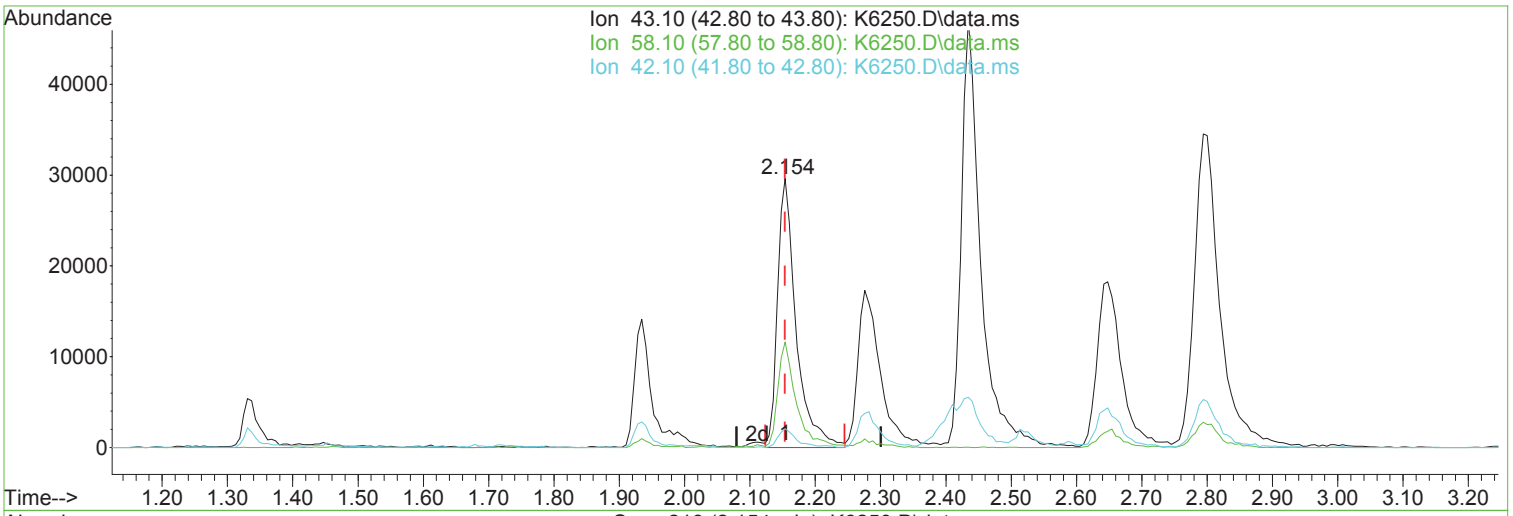
Quant Time: Sep 24 10:35:30 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

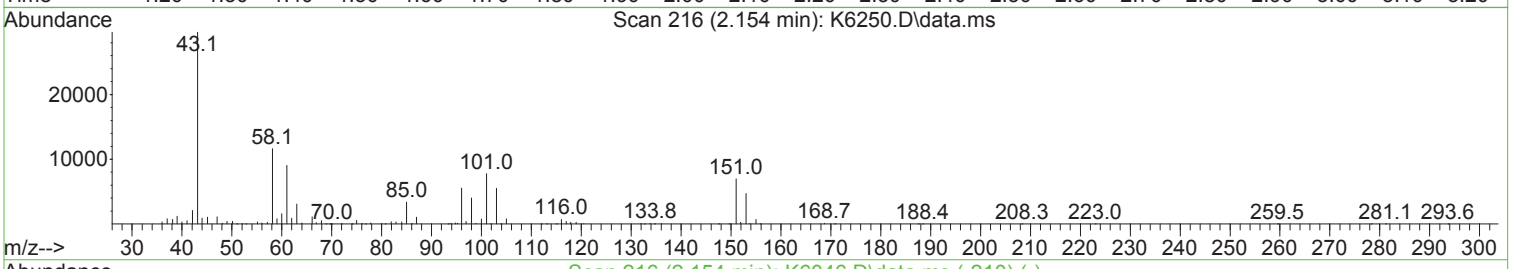


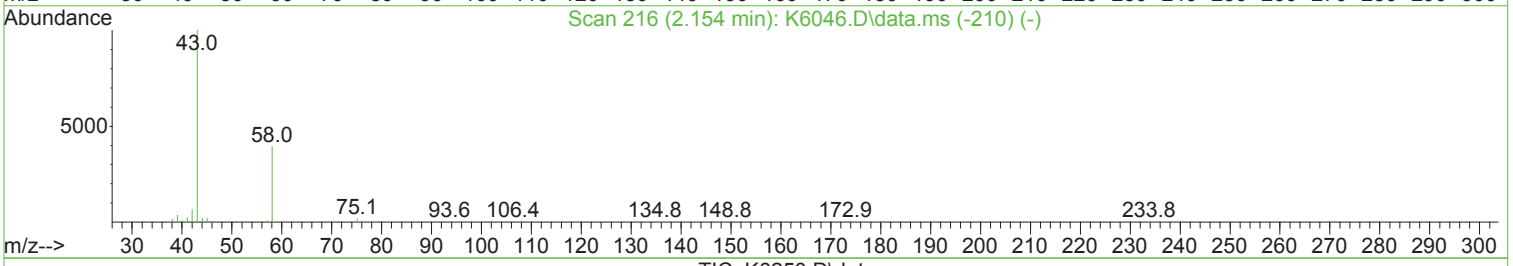
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6250.D
Acq On : 24 Sep 2024 08:16 am
Operator : K.Ruest
Sample : R2409108-009DMS|1.0
Misc : VERINA 8260 T2
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 24 10:35:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6250.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 39.45 ug/L m

response 58319

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	39.24
42.10	6.60	7.02
0.00	0.00	0.00

Manual Integration:

After

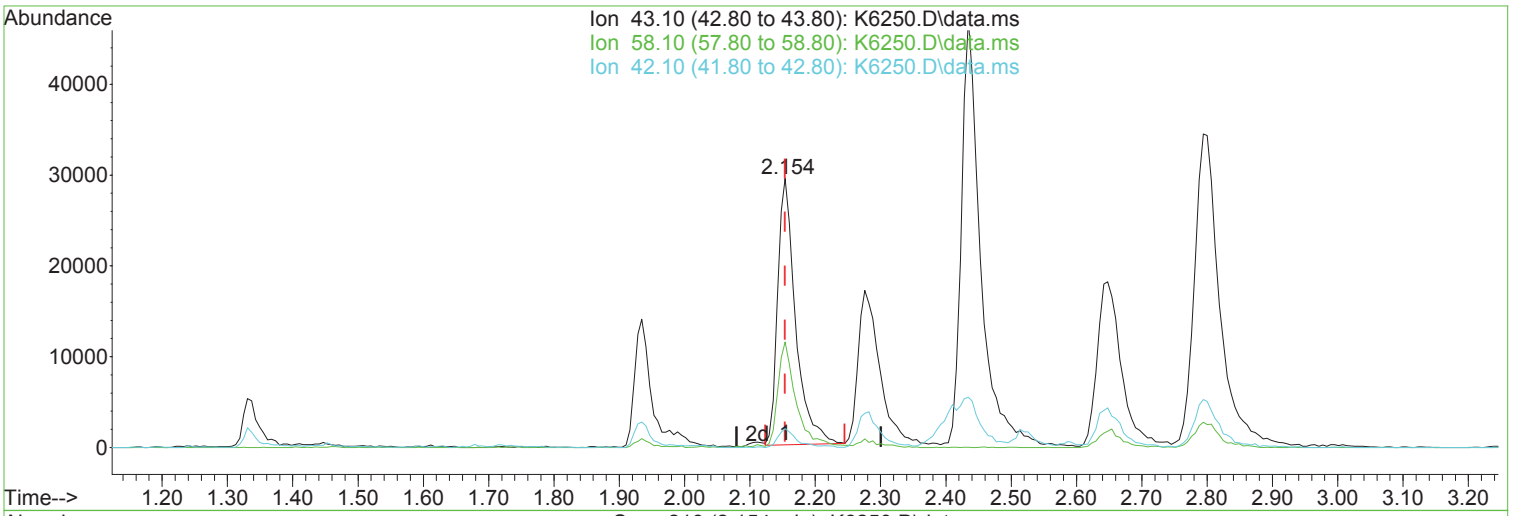
Poor integration.

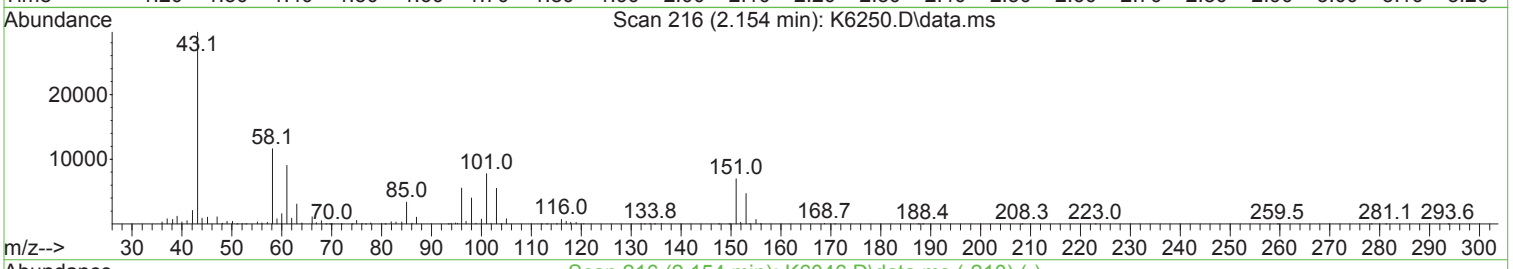
09/25/24

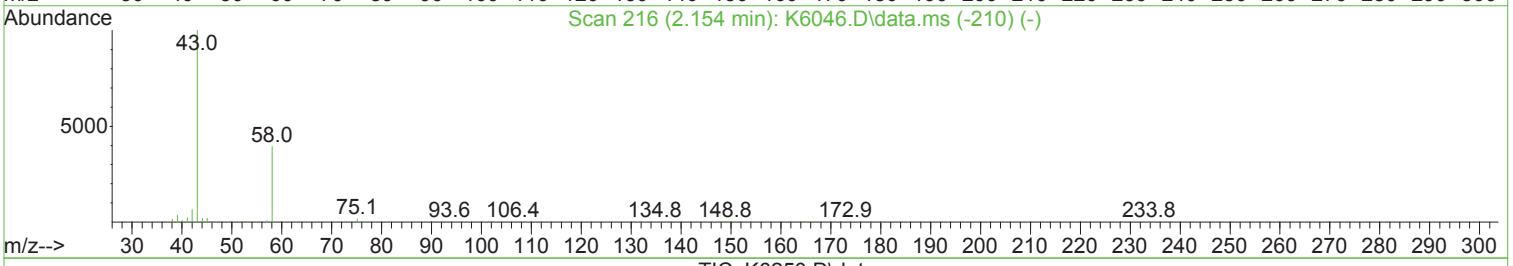
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6250.D
Acq On : 24 Sep 2024 08:16 am
Operator : K.Ruest
Sample : R2409108-009DMS|1.0
Misc : VERINA 8260 T2
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 24 10:35:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6250.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 37.74 ug/L

response 55795

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	39.24
42.10	6.60	7.02
0.00	0.00	0.00

Manual Integration:

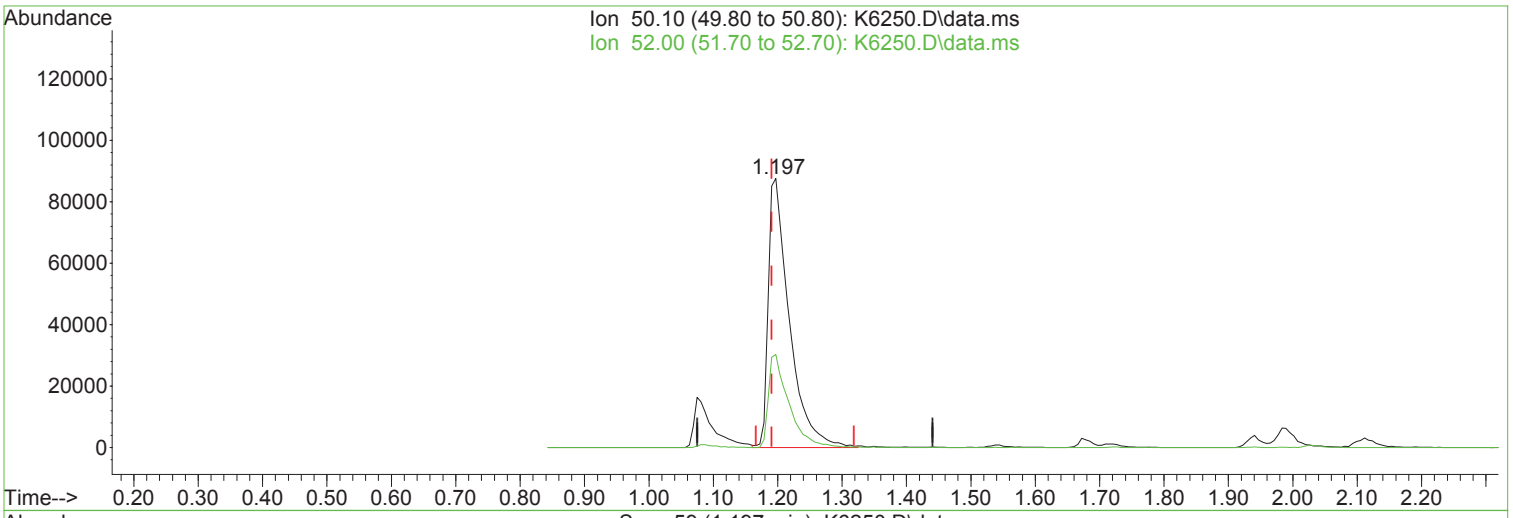
Before

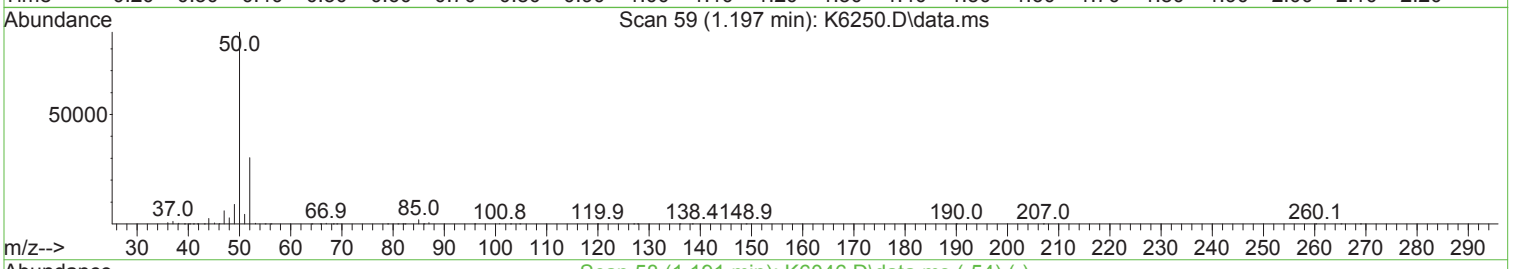
09/25/24

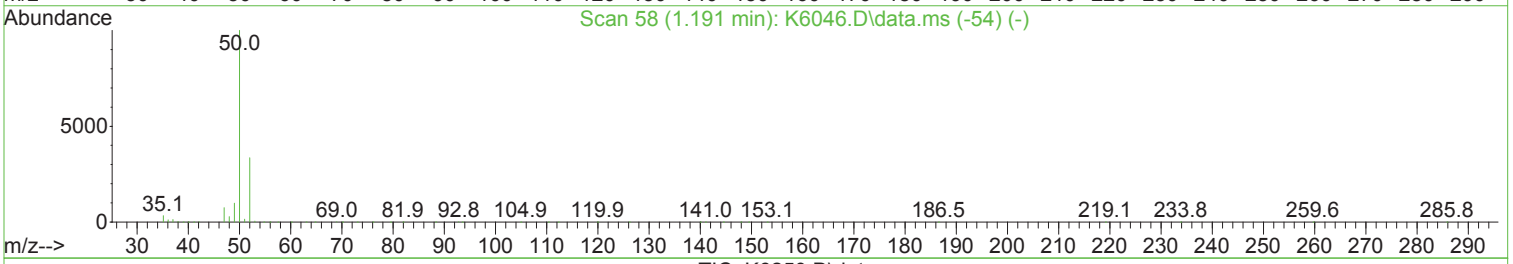
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6250.D
Acq On : 24 Sep 2024 08:16 am
Operator : K.Ruest
Sample : R2409108-009DMS|1.0
Misc : VERINA 8260 T2
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 24 10:35:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6250.D\data.ms

(4) Chloromethane (P)

1.197min (+ 0.006) 49.21 ug/L m

response 198770

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	33.20	34.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

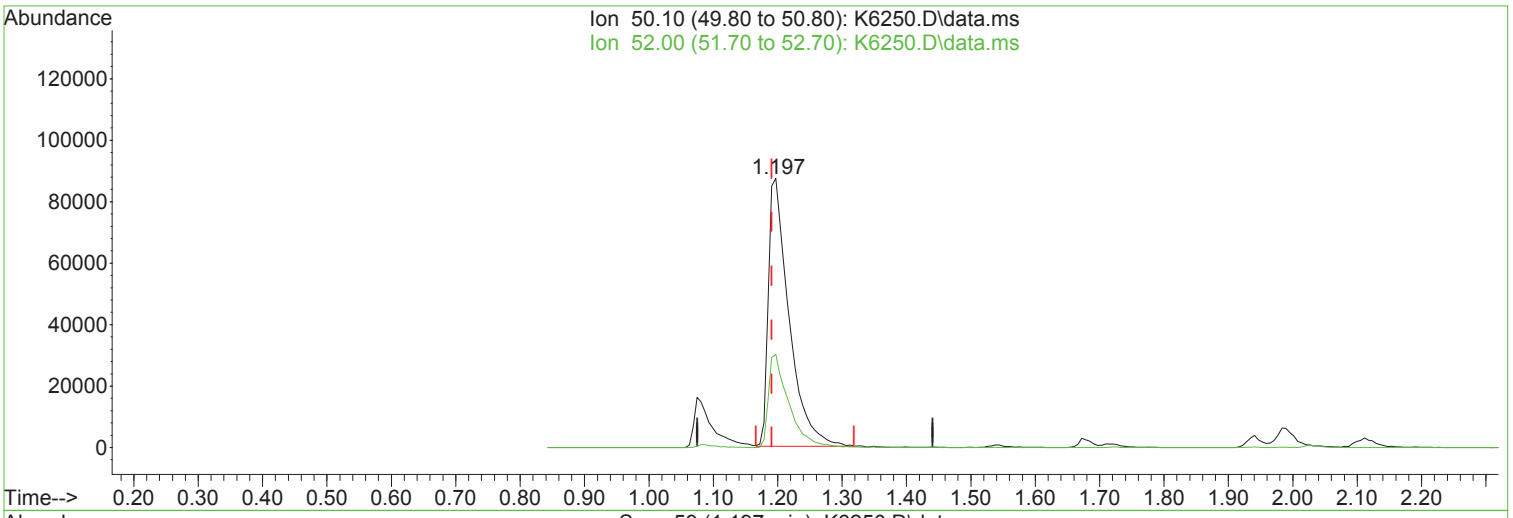
Poor integration.

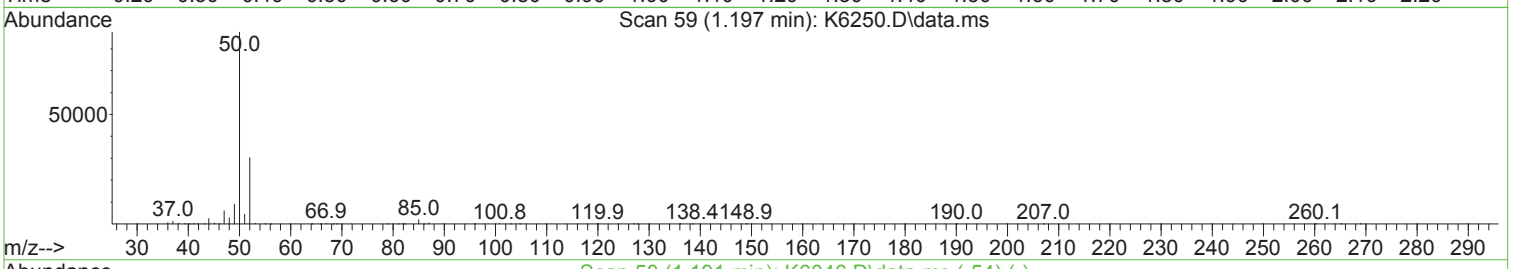
09/25/24

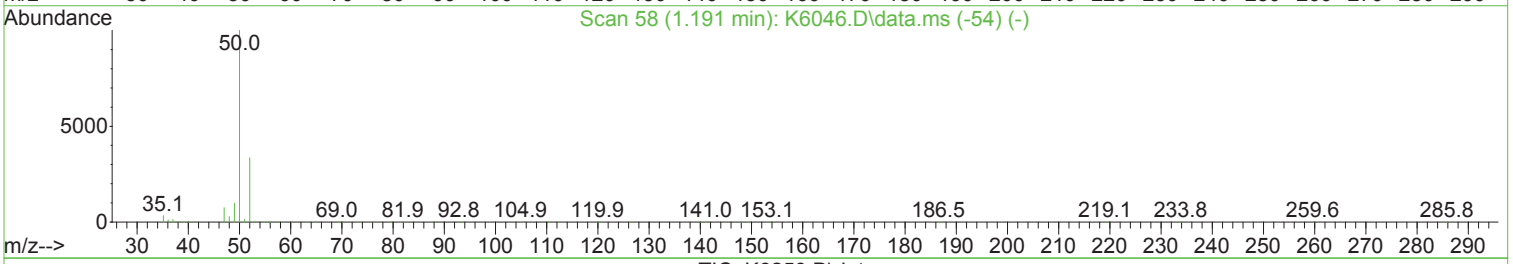
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6250.D
Acq On : 24 Sep 2024 08:16 am
Operator : K.Ruest
Sample : R2409108-009DMS|1.0
Misc : VERINA 8260 T2
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 24 10:35:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6250.D\data.ms

(4) Chloromethane (P)

1.197min (+ 0.006) 48.09 ug/L

response 194260

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	33.20	34.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/25/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6250.D
Acq On : 24 Sep 2024 08:16 am
Operator : K.Ruest
Sample : R2409108-009DMS|1.0
Misc : VERINA 8260 T2
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 24 10:35:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	383021	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	585439	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	503451	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	262895	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	185260	52.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.64%			
47) surr1,1,2-dichloroetha...	5.416	65	204900	50.84	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.68%			
64) SURR3,Toluene-d8	8.049	98	672235	50.71	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.42%			
69) SURR2,BFB	10.658	95	240387	50.07	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.14%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	183543	49.078	ug/L	96
3) Dichlorodifluoromethane	1.075	85	215964	65.372	ug/L	97
4) Chloromethane	1.197	50	198770m	49.211	ug/L	
5) Vinyl Chloride	1.264	62	202602	51.562	ug/L	100
6) Bromomethane	1.465	94	102844	51.588	ug/L	100
7) Chloroethane	1.538	64	106697	47.407	ug/L	99
8) Freon 21	1.678	67	250328	43.781	ug/L	99
9) Trichlorofluoromethane	1.721	101	256344	50.164	ug/L	100
10) Diethyl Ether	1.934	59	155717	46.332	ug/L	97
11) Freon 123a	1.941	67	163106	47.494	ug/L	97
12) Freon 123	1.989	83	259396	58.243	ug/L	98
13) Acrolein	2.026	56	60806	59.323	ug/L	93
14) 1,1-Diclethene	2.105	96	158228	50.744	ug/L	98
15) Freon 113	2.111	101	152945	48.072	ug/L	98
16) Acetone	2.154	43	58319m	39.445	ug/L	
17) 2-Propanol	2.276	45	211253	800.193	ug/L	95
18) Iodomethane	2.227	142	273117	56.194	ug/L	98
19) Carbon Disulfide	2.282	76	395974	51.833	ug/L	100
20) Acetonitrile/Allyl Chl...	2.410	41	310818	280.927	ug/L	93
21) Methyl Acetate	2.434	43	94314	32.213	ug/L	98
22) Methylene Chloride	2.520	84	164412	51.230	ug/L	90
23) TBA	2.648	59	439889	910.191	ug/L	98
24) Acrylonitrile	2.757	53	378971	216.229	ug/L	98
25) Methyl-t-Butyl Ether	2.800	73	476526	49.039	ug/L	95
26) trans-1,2-Dichloroethene	2.788	96	162677	48.267	ug/L	96
27) 1,1-Diclethane	3.245	63	308479	50.900	ug/L	99
28) Vinyl Acetate	3.337	86	22964	30.018	ug/L #	89
29) DIPE	3.361	45	448246	44.011	ug/L	91
30) 2-Chloro-1,3-Butadiene	3.355	53	255719	45.593	ug/L	94
31) ETBE	3.849	59	536319	47.383	ug/L	100
32) 2,2-Dichloropropane	4.007	77	176914	39.437	ug/L	95
33) cis-1,2-Dichloroethene	4.019	96	192037	53.613	ug/L	91
34) 2-Butanone	4.074	43	78164	41.577	ug/L	99
35) Propionitrile	4.147	54	152694	212.050	ug/L	99
36) Bromochloromethane	4.379	130	131149	50.499	ug/L	91
37) Methacrylonitrile	4.404	67	76357	46.192	ug/L	90
38) Tetrahydrofuran	4.477	42	48293	41.047	ug/L	91
39) Chloroform	4.550	83	282632	51.027	ug/L	99
40) 1,1,1-Trichloroethane	4.830	97	262811	52.771	ug/L	99

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6250.D
Acq On : 24 Sep 2024 08:16 am
Operator : K.Ruest
Sample : R2409108-009DMS|1.0
Misc : VERINA 8260 T2
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 24 10:35:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.763	73	442896	48.800	ug/L	98
43) Cyclohexane	4.916	41	122646	43.908	ug/L	99
45) Carbontetrachloride	5.129	117	226840	52.330	ug/L	98
46) 1,1-Dichloropropene	5.147	75	202219	47.952	ug/L	99
48) Benzene	5.495	78	634646	50.567	ug/L	98
49) 1,2-Dichloroethane	5.550	62	235006	48.471	ug/L	97
50) Iso-Butyl Alcohol	5.556	43	128161	734.171	ug/L	98
51) n-Heptane	6.025	43	147146	32.840	ug/L	99
52) 1-Butanol	6.586	56	242163	1980.031	ug/L	96
53) Trichloroethene	6.507	130	200372	50.896	ug/L	98
54) Methylcyclohexane	6.745	55	221141	43.029	ug/L	89
55) 1,2-Diclpropane	6.806	63	158274	44.222	ug/L	99
56) Dibromomethane	6.952	93	109287	51.221	ug/L	96
57) 1,4-Dioxane	7.031	88	47919	897.152	ug/L	95
58) Methyl Methacrylate	7.055	69	125219	48.736	ug/L	93
59) Bromodichloromethane	7.190	83	213858	54.620	ug/L	99
60) 2-Nitropropane	7.494	41	79705	91.220	ug/L	99
62) cis-1,3-Dichloropropene	7.750	75	246934	51.834	ug/L	99
63) 4-Methyl-2-pentanone	7.976	43	156308	45.154	ug/L	96
65) Toluene	8.122	91	726083	51.632	ug/L	99
66) trans-1,3-Dichloropropene	8.409	75	232154	53.607	ug/L	99
67) Ethyl Methacrylate	8.561	69	229513	50.961	ug/L	93
68) 1,1,2-Trichloroethane	8.598	97	165905	50.685	ug/L	98
71) Tetrachloroethene	8.726	164	151777	49.451	ug/L	98
72) 2-Hexanone	8.909	43	110462	42.989	ug/L	98
73) 1,3-Dichloropropane	8.769	76	250715	47.705	ug/L	97
74) Dibromochloromethane	9.000	129	188589	54.684	ug/L	98
75) N-Butyl Acetate	9.067	43	182304	32.792	ug/L	97
76) 1,2-Dibromoethane	9.092	107	176158	50.281	ug/L	96
77) 3-Chlorobenzotrifluoride	9.628	180	246603	44.971	ug/L	99
78) Chlorobenzene	9.598	112	492801	49.180	ug/L	99
79) 4-Chlorobenzotrifluoride	9.683	180	220917	45.746	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.689	131	193555	54.806	ug/L	98
81) Ethylbenzene	9.726	106	266718	51.880	ug/L	96
82) (m+p)Xylene	9.842	106	648884	102.300	ug/L	99
83) o-Xylene	10.201	106	321908	51.626	ug/L	96
84) Styrene	10.213	104	497747	48.577	ug/L	99
85) Bromoform	10.366	173	121998	60.058	ug/L	99
86) 2-Chlorobenzotrifluoride	10.451	180	247677	48.079	ug/L	97
87) Isopropylbenzene	10.537	105	812704	54.421	ug/L	99
88) Cyclohexanone	10.604	55	128873	147.891	ug/L	98
89) trans-1,4-Dichloro-2-B...	10.860	53	50522	39.263	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.811	83	214520	47.258	ug/L	97
92) Bromobenzene	10.780	156	221020	52.548	ug/L	99
93) 1,2,3-Trichloropropane	10.835	110	75462	47.373	ug/L	97
94) n-Propylbenzene	10.896	91	898163	49.598	ug/L	100
95) 2-Chlorotoluene	10.957	91	550871	51.264	ug/L	99
96) 3-Chlorotoluene	11.012	91	562031	50.401	ug/L	99
97) 4-Chlorotoluene	11.049	91	637996	50.640	ug/L	99
98) 1,3,5-Trimethylbenzene	11.055	105	690889	50.257	ug/L	100
99) tert-Butylbenzene	11.323	119	625185	51.242	ug/L	100
100) 1,2,4-Trimethylbenzene	11.366	105	683841	50.217	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.433	214	162178	41.995	ug/L	99
102) sec-Butylbenzene	11.506	105	854999	49.693	ug/L	100
103) p-Isopropyltoluene	11.634	119	763524	51.697	ug/L	99
104) 1,3-Dclbenz	11.585	146	412013	50.525	ug/L	100

1st KR 09/25/24
2nd FJ 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6250.D
Acq On : 24 Sep 2024 08:16 am
Operator : K.Ruest
Sample : R2409108-009DMS|1.0
Misc : VERINA 8260 T2
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 24 10:35:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

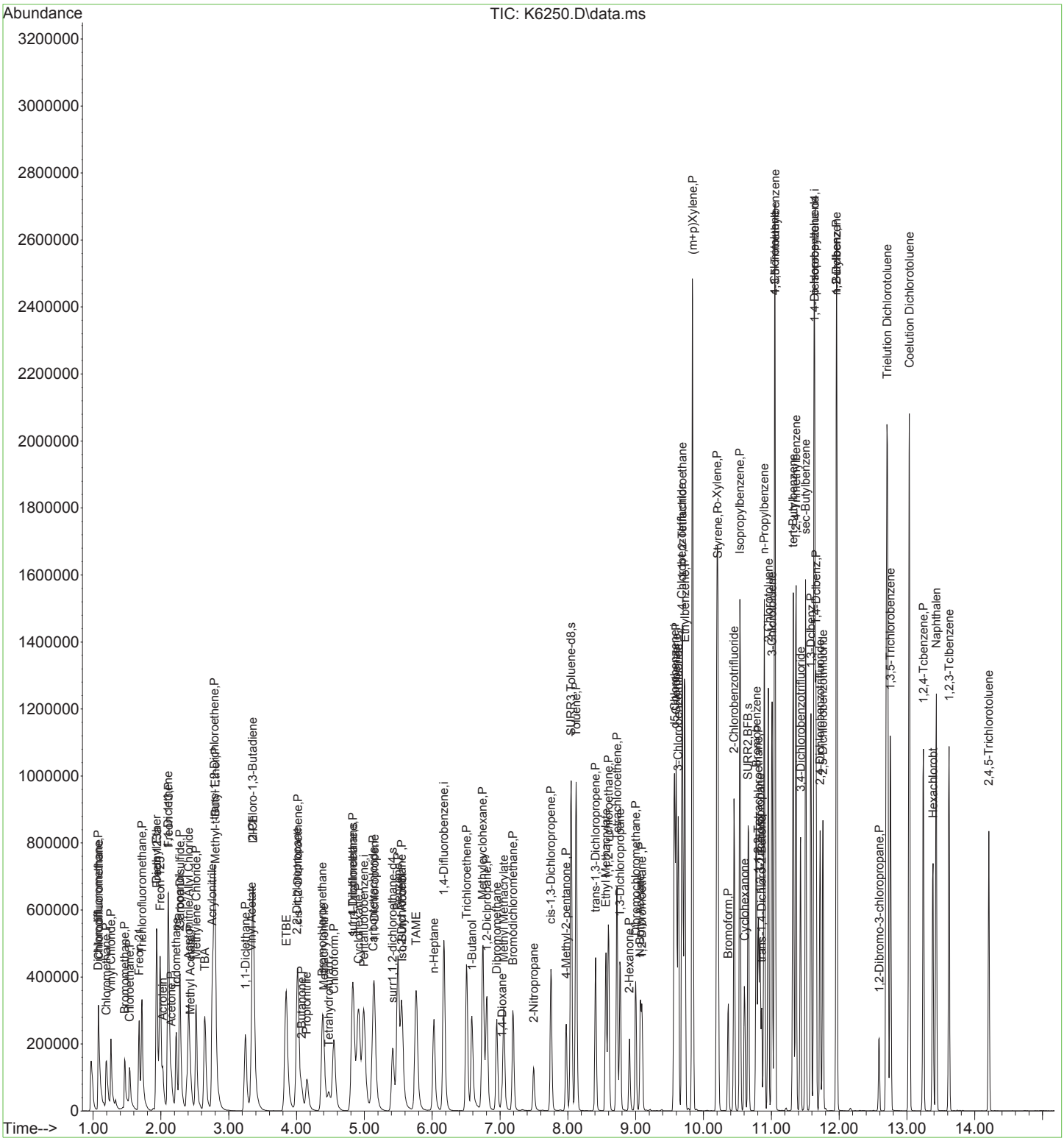
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.658	146	419703	51.450	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	147071	43.135	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.762	214	170166	44.583	ug/L	98
108) n-Butylbenzene	11.963	91	617499	49.944	ug/L	99
109) 1,2-Dclbenz	11.963	146	399013	50.355	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	53968	53.435	ug/L	98
111) Trielution Dichlorotol...	12.707	125	1076575	145.279	ug/L	98
112) 1,3,5-Trichlorobenzene	12.756	180	276081	48.217	ug/L	97
113) Coelution Dichlorotoluene	13.036	125	777454	101.937	ug/L	99
114) 1,2,4-Tcbenzene	13.243	180	272680	50.660	ug/L	97
115) Hexachlorobt	13.384	225	109171	48.666	ug/L	99
116) Naphthalen	13.432	128	768901	53.398	ug/L	100
117) 1,2,3-Tclbenzene	13.621	180	262348	51.813	ug/L	98
118) 2,4,5-Trichlorotoluene	14.207	159	180403	48.798	ug/L	99

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

1st KR 09/25/24
2nd FN 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6250.D
Acq On : 24 Sep 2024 08:16 am
Operator : K.Ruest
Sample : R2409108-009DMS|1.0
Misc : VERINA 8260 T2
ALS Vial : 51 Sample Multiplier: 1

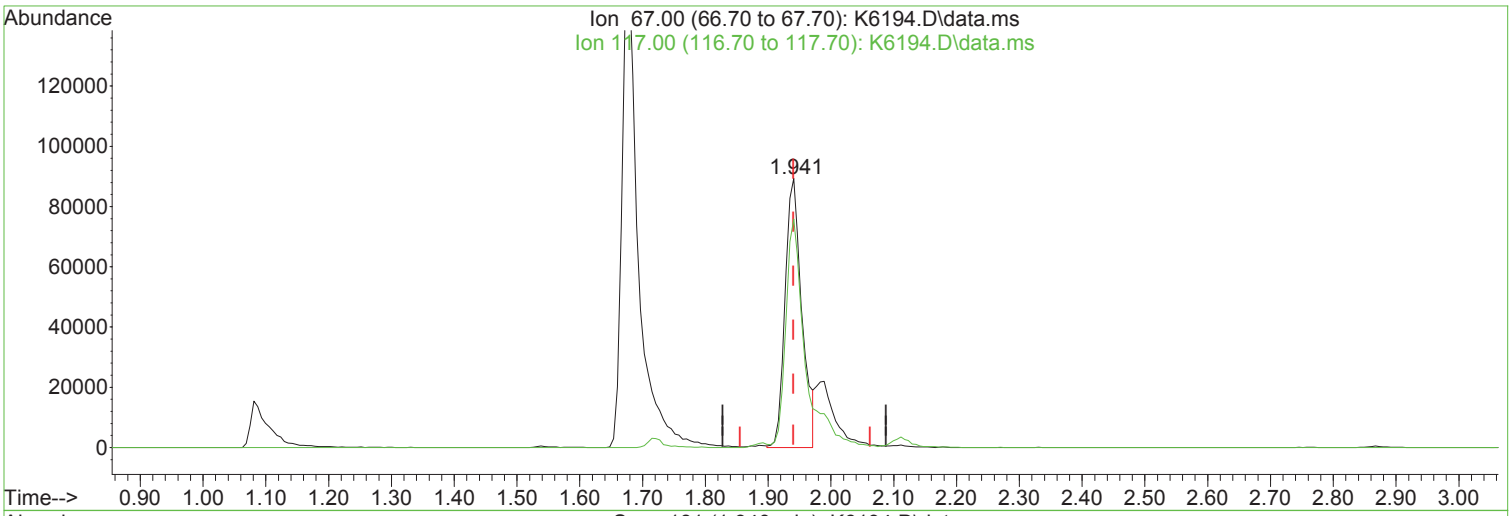
Quant Time: Sep 24 10:35:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

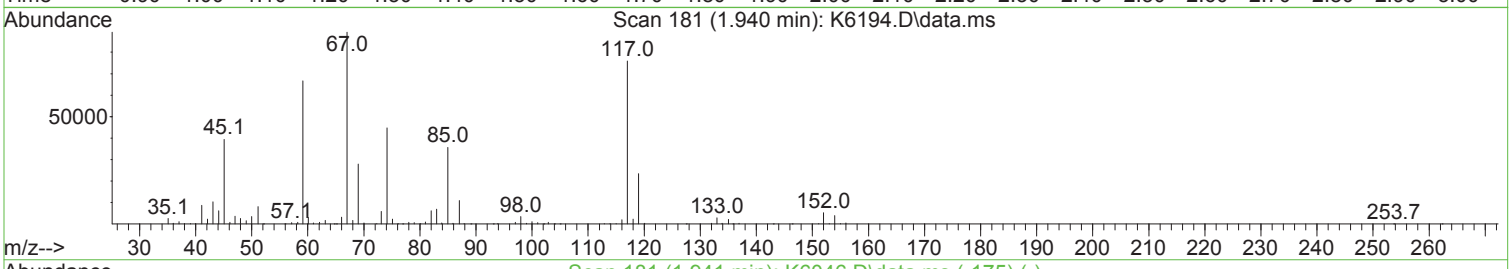


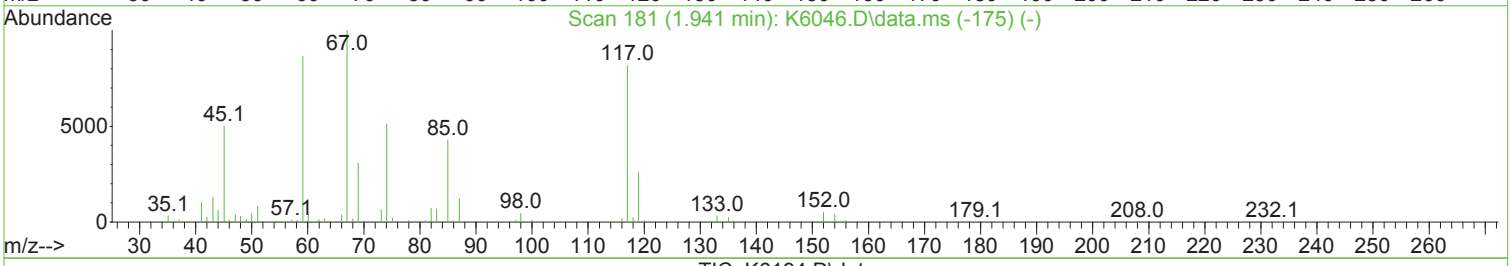
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6194.D\data.ms

(11) Freon 123a

1.940min (-0.000) 46.05 ug/L m

response 167894

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	82.20	84.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

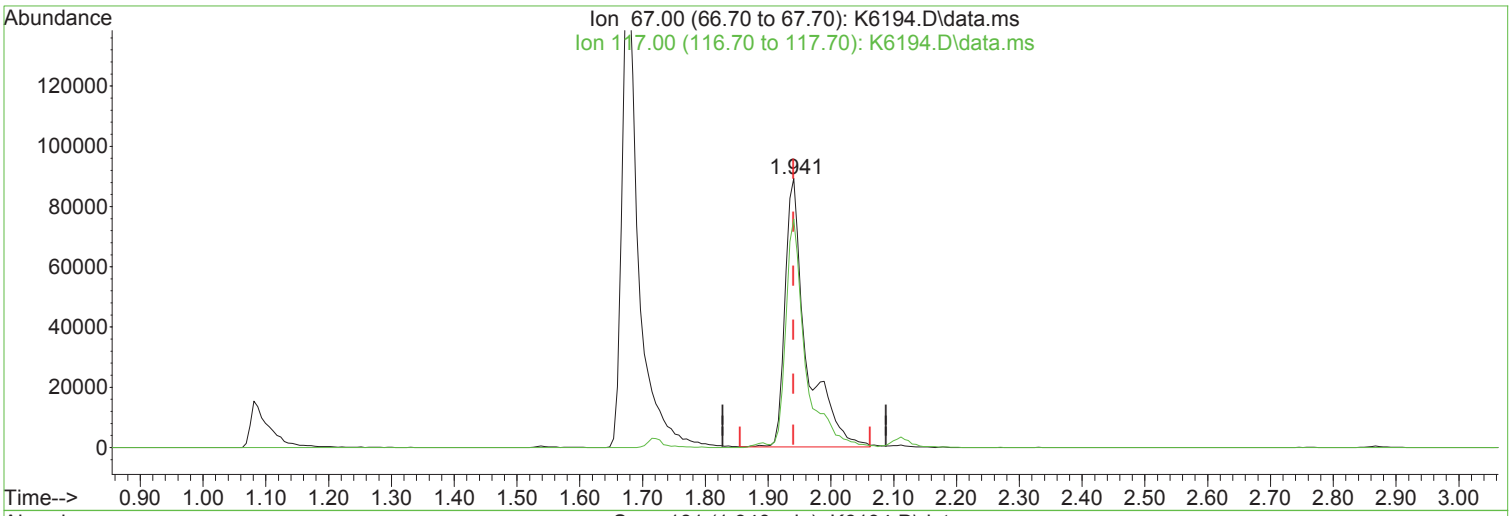
Poor integration.

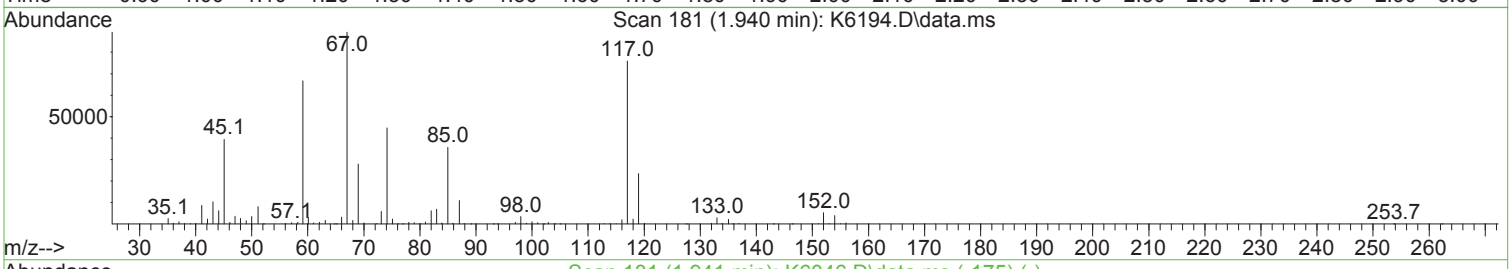
09/23/24

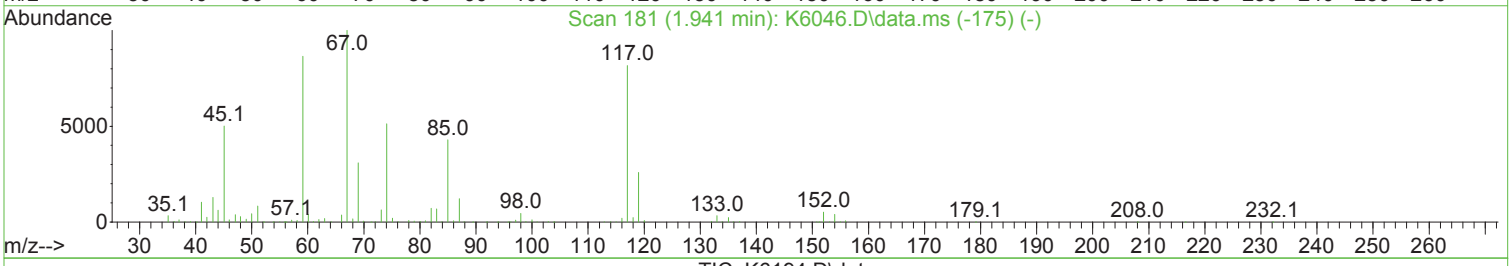
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6194.D\data.ms

(11) Freon 123a

1.940min (-0.000) 58.48 ug/L

response 213191

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	82.20	84.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

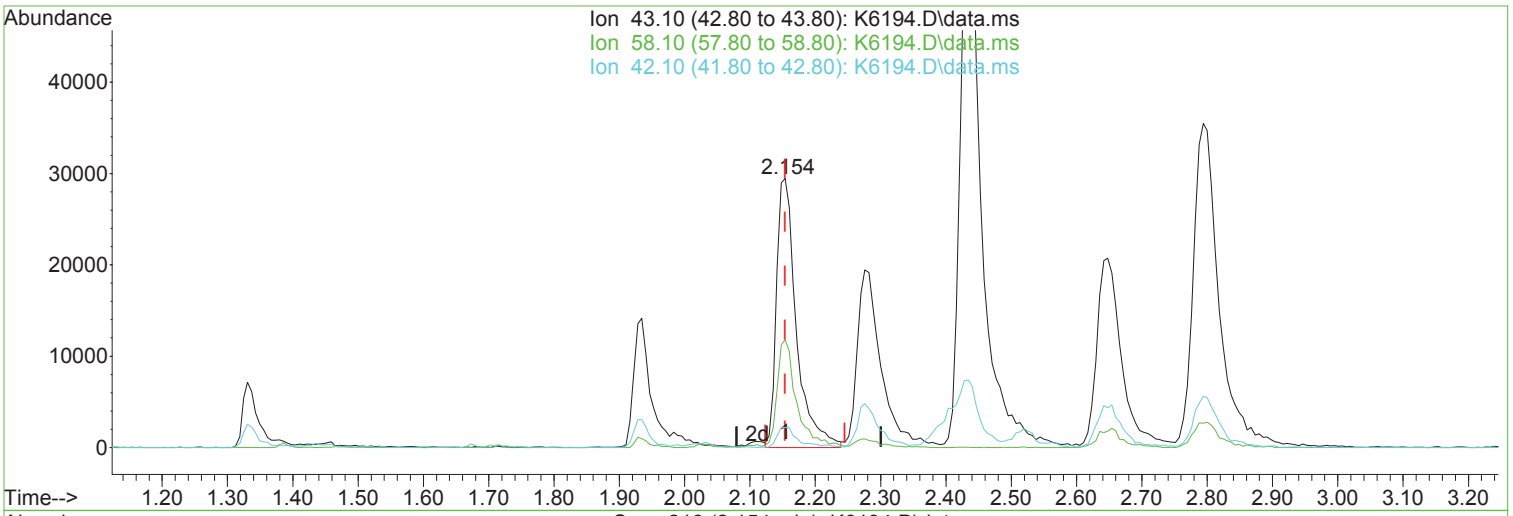
Before

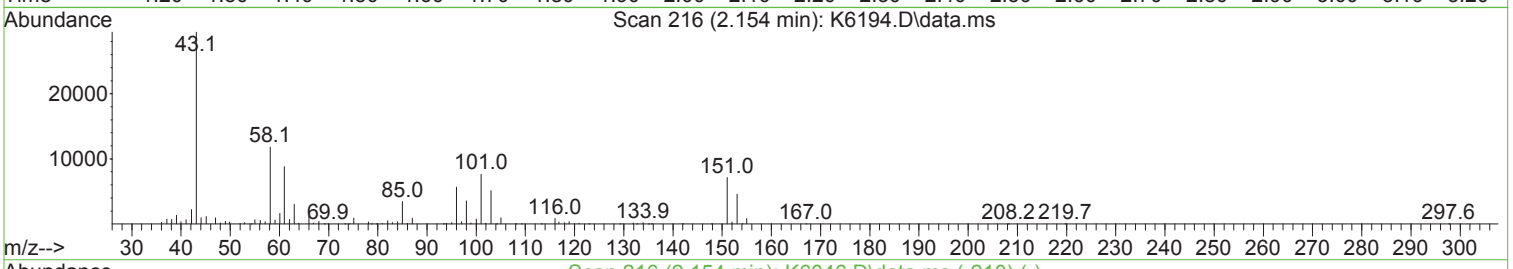
09/23/24

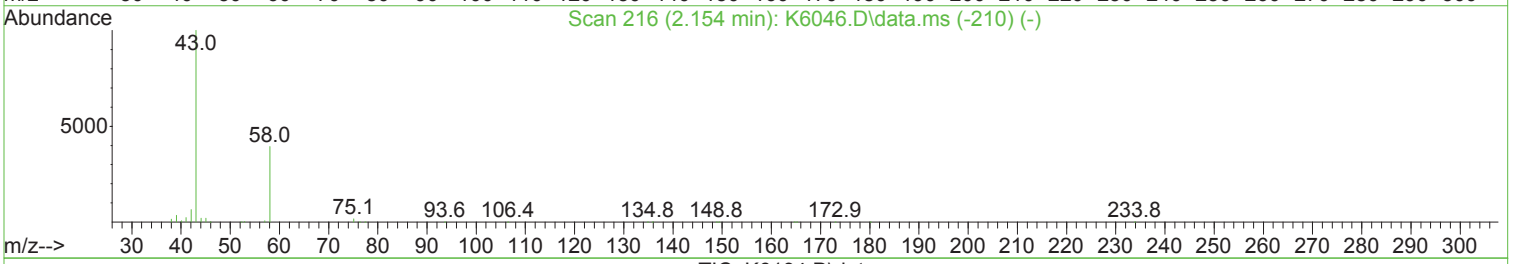
1st 09/23/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6194.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 39.53 ug/L m

response 62043

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	40.09
42.10	6.60	7.47
0.00	0.00	0.00

Manual Integration:

After

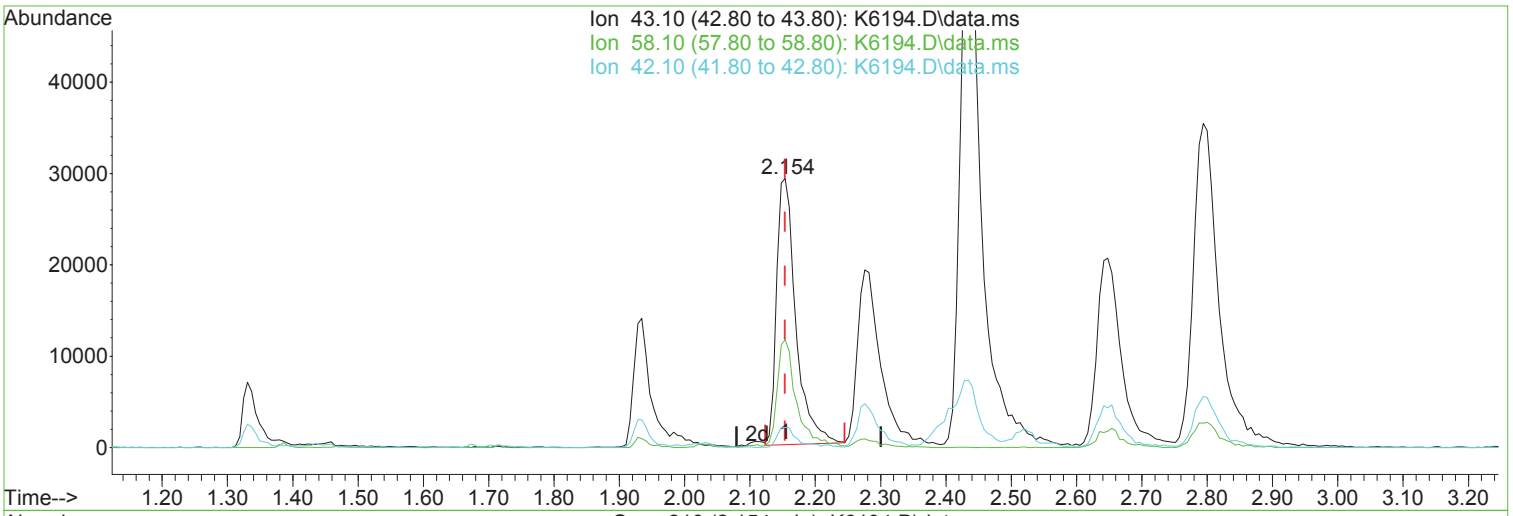
Poor integration.

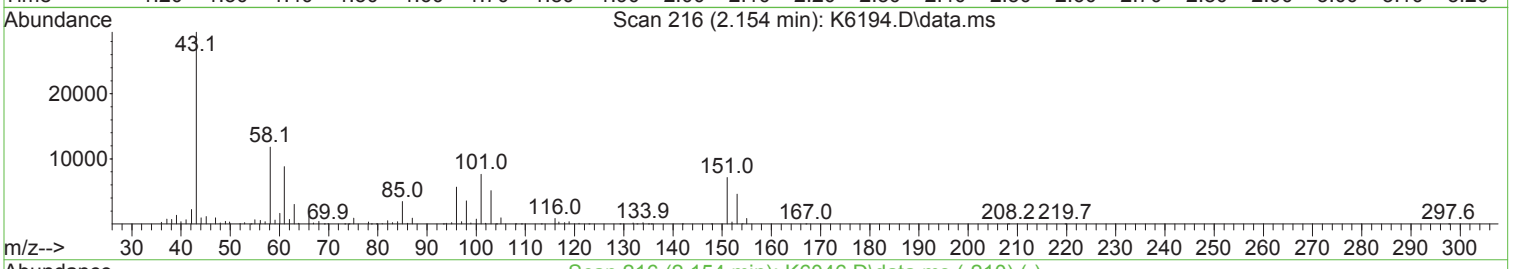
09/23/24

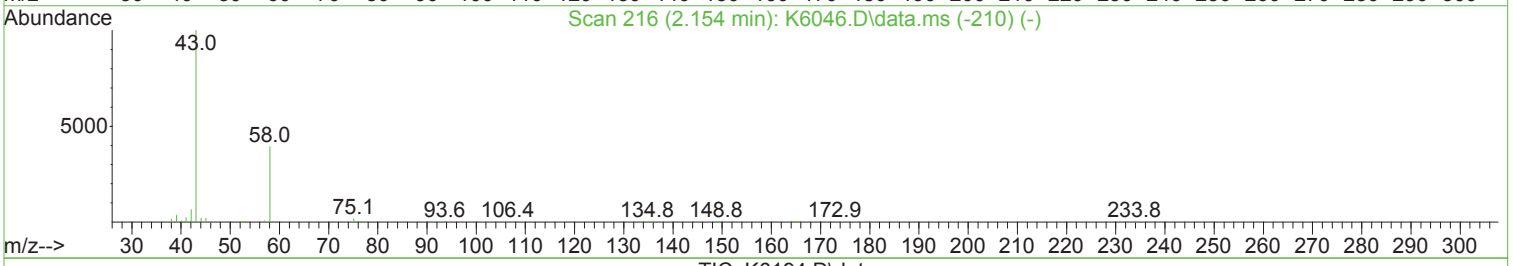
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6194.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 37.85 ug/L

response 59411

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	40.09
42.10	6.60	7.47
0.00	0.00	0.00

Manual Integration:

Before

09/23/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	97	0.00
2		Chlorodifluoromethane	50.000	45.699	8.6	89	0.00
3	P	Dichlorodifluoromethane	50.000	50.343	-0.7	95	0.00
4	P	Chloromethane	50.000	45.026	9.9	88	0.00
5	P	Vinyl Chloride	50.000	46.671	6.7	91	0.00
6	P	Bromomethane	50.000	51.400	-2.8	94	0.00
7	P	Chloroethane	50.000	48.006	4.0	93	0.00
8		Freon 21	50.000	47.919	4.2	95	0.00
9	P	Trichlorofluoromethane	50.000	48.695	2.6	97	0.00
10		Diethyl Ether	50.000	45.361	9.3	88	0.00
11		Freon 123a	50.000	46.054	7.9	95	0.00
12		Freon 123	50.000	47.992	4.0	96	0.00
13		Acrolein	250.000	241.280	3.5	91	0.00
14		1,1-Diclethene	50.000	48.201	3.6	96	0.00
15	P	Freon 113	50.000	48.893	2.2	96	0.00
16	P	Acetone	50.000	39.531	20.9#	75	0.00
17		2-Propanol	1000.000	914.463	8.6	83	0.00
18		Iodomethane	50.000	55.017	-10.0	102	0.00
19	P	Carbon Disulfide	50.000	51.569	-3.1	101	0.00
20		Acetonitrile/Allyl Chloride	300.000	271.955	9.3	89	0.00
21	P	Methyl Acetate	50.000	44.693	10.6	85	0.00
22	P	Methylene Chloride	50.000	48.851	2.3	93	0.00
23		TBA	1000.000	959.642	4.0	85	0.00
24		Acrylonitrile	250.000	227.410	9.0	86	0.00
25	P	Methyl-t-Butyl Ether	50.000	47.979	4.0	93	0.00
26	P	trans-1,2-Dichloroethene	50.000	47.205	5.6	96	0.00
27	P	1,1-Diclethane	50.000	46.458	7.1	91	0.00
28		Vinyl Acetate	50.000	53.870	-7.7	101	0.00
29		DIPE	50.000	44.866	10.3	89	0.00
30		2-Chloro-1,3-Butadiene	50.000	47.837	4.3	95	0.00
31		ETBE	50.000	46.808	6.4	91	0.00
32		2,2-Dichloropropane	50.000	48.743	2.5	94	0.00
33	P	cis-1,2-Dichloroethene	50.000	49.735	0.5	97	0.00
34	P	2-Butanone	50.000	43.384	13.2	81	0.00
35		Propionitrile	250.000	229.950	8.0	85	0.00
36		Bromochloromethane	50.000	48.189	3.6	96	0.00
37		Methacrylonitrile	50.000	47.892	4.2	90	0.00
38		Tetrahydrofuran	50.000	44.478	11.0	82	0.00
39	P	Chloroform	50.000	48.220	3.6	95	0.00
40	P	1,1,1-Trichloroethane	50.000	49.219	1.6	95	0.00
41		TAME	50.000	48.017	4.0	94	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
43	P	Cyclohexane	50.000	43.182	13.6	86	0.00
44	s	surr4,Dibrflmethane	50.000	51.227	-2.5	92	0.00
45	P	Carbontetrachloride	50.000	48.944	2.1	97	0.00
46		1,1-Dichloropropene	50.000	47.044	5.9	95	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	50.304	-0.6	90	0.00
48	P	Benzene	50.000	47.993	4.0	94	0.00
49	P	1,2-Dichloroethane	50.000	46.304	7.4	91	0.00
50		Iso-Butyl Alcohol	1000.000	842.540	15.7	74	0.00
51		n-Heptane	50.000	43.794	12.4	85	0.00

1st KR 09/23/24
2nd FJ 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	2387.389	4.5	78	0.00
53	P	Trichloroethene	50.000	48.191	3.6	96	0.00
54	P	Methylcyclohexane	50.000	45.438	9.1	90	0.00
55	P	1,2-Diclpropane	50.000	46.880	6.2	92	0.00
56		Dibromomethane	50.000	49.291	1.4	94	0.00
57		1,4-Dioxane	1000.000	974.580	2.5	89	0.00
58		Methyl Methacrylate	50.000	47.930	4.1	88	0.00
59	P	Bromodichloromethane	50.000	51.245	-2.5	96	0.00
60		2-Nitropropane	100.000	98.435	1.6	85	0.00
61		2-Chloroethylvinyl Ether	50.000	49.751	0.5	80	0.00
62	P	cis-1,3-Dichloropropene	50.000	50.284	-0.6	92	0.00
63	P	4-Methyl-2-pentanone	50.000	46.655	6.7	87	0.00
64	s	SURR3,Toluene-d8	50.000	50.303	-0.6	91	0.00
65	P	Toluene	50.000	47.974	4.1	94	0.00
66	P	trans-1,3-Dichloropropene	50.000	51.317	-2.6	93	0.00
67		Ethyl Methacrylate	50.000	50.041	-0.1	88	0.00
68	P	1,1,2-Trichloroethane	50.000	49.119	1.8	94	0.00
69	s	SURR2,BFB	50.000	51.061	-2.1	92	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	94	0.00
71	P	Tetrachloroethene	50.000	47.117	5.8	97	0.00
72	P	2-Hexanone	50.000	45.196	9.6	82	0.00
73		1,3-Dichloropropane	50.000	46.688	6.6	91	0.00
74	P	Dibromochloromethane	50.000	53.290	-6.6	95	0.00
75		N-Butyl Acetate	50.000	44.926	10.1	83	0.00
76	P	1,2-Dibromoethane	50.000	48.985	2.0	94	0.00
77		3-Chlorobenzotrifluoride	50.000	47.819	4.4	98	0.00
78	P	Chlorobenzene	50.000	46.543	6.9	94	0.00
79		4-Chlorobenzotrifluoride	50.000	49.854	0.3	100	0.00
80		1,1,1,2-Tetrachloroethane	50.000	51.624	-3.2	96	0.00
81	P	Ethylbenzene	50.000	48.060	3.9	96	0.00
82	P	(m+p)Xylene	100.000	95.721	4.3	95	0.00
83	P	o-Xylene	50.000	48.823	2.4	97	0.00
84	P	Styrene	50.000	50.281	-0.6	95	0.00
85	P	Bromoform	50.000	55.772	-11.5	95	0.00
86		2-Chlorobenzotrifluoride	50.000	49.036	1.9	99	0.00
87	P	Isopropylbenzene	50.000	48.559	2.9	95	0.00
88		Cyclohexanone	1000.000	697.277	30.3#	62	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	48.602	2.8	85	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	47.633	4.7	92	0.00
92		Bromobenzene	50.000	48.323	3.4	94	0.00
93		1,2,3-Trichloropropane	50.000	46.378	7.2	93	0.00
94		n-Propylbenzene	50.000	48.400	3.2	95	0.00
95		2-Chlorotoluene	50.000	48.226	3.5	95	0.00
96		3-Chlorotoluene	50.000	49.103	1.8	97	0.00
97		4-Chlorotoluene	50.000	48.135	3.7	95	0.00
98		1,3,5-Trimethylbenzene	50.000	48.456	3.1	96	0.00
99		tert-Butylbenzene	50.000	47.827	4.3	96	0.00
100		1,2,4-Trimethylbenzene	50.000	48.943	2.1	97	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	48.583	2.8	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	48.798	2.4	96	0.00
103		p-Isopropyltoluene	50.000	49.613	0.8	96	0.00
104	P	1,3-Dclbenz	50.000	47.574	4.9	95	0.00
105	P	1,4-Dclbenz	50.000	48.228	3.5	95	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	48.188	3.6	96	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	49.410	1.2	100	0.00
108		n-Butylbenzene	50.000	49.843	0.3	96	0.00
109	P	1,2-Dclbenz	50.000	47.957	4.1	95	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	55.916	-11.8	93	0.00
111		Trielution Dichlorotoluene	150.000	149.138	0.6	98	0.00
112		1,3,5-Trichlorobenzene	50.000	49.228	1.5	97	0.00
113		Coelution Dichlorotoluene	100.000	103.387	-3.4	99	0.00
114	P	1,2,4-Tcbenzene	50.000	49.605	0.8	95	0.00
115		Hexachlorobt	50.000	49.934	0.1	95	0.00
116		Naphthalen	50.000	52.738	-5.5	93	0.00
117		1,2,3-Tclbenzene	50.000	50.390	-0.8	95	0.00
118		2,4,5-Trichlorotoluene	50.000	53.948	-7.9	94	0.00
119		2,3,6-Trichlorotoluene	50.000	51.921	-3.8	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1st 09/23/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	406599	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	614550	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.567	117	531019	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	276300	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	190412	51.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.46%			
47) surr1,1,2-dichloroetha...	5.415	65	212834	50.30	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.60%			
64) SURR3,Toluene-d8	8.049	98	700040	50.30	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.60%			
69) SURR2,BFB	10.658	95	257356	51.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.12%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	181426	45.699	ug/L	97
3) Dichlorodifluoromethane	1.075	85	176551	50.343	ug/L	99
4) Chloromethane	1.191	50	193061	45.026	ug/L	97
5) Vinyl Chloride	1.264	62	194672	46.671	ug/L	98
6) Bromomethane	1.465	94	108818	51.400	ug/L	97
7) Chloroethane	1.538	64	114689	48.006	ug/L	96
8) Freon 21	1.678	67	290851	47.919	ug/L	98
9) Trichlorofluoromethane	1.715	101	264160	48.695	ug/L	98
10) Diethyl Ether	1.934	59	161838	45.361	ug/L	98
11) Freon 123a	1.940	67	167894m	46.054	ug/L	
12) Freon 123	1.989	83	226898	47.992	ug/L	99
13) Acrolein	2.026	56	262535	241.280	ug/L	99
14) 1,1-Diclethene	2.105	96	159548	48.201	ug/L	98
15) Freon 113	2.111	101	165132	48.893	ug/L	97
16) Acetone	2.154	43	62043m	39.531	ug/L	
17) 2-Propanol	2.276	45	256282	914.463	ug/L	99
18) Iodomethane	2.227	142	283856	55.017	ug/L	98
19) Carbon Disulfide	2.276	76	418205	51.569	ug/L	99
20) Acetonitrile/Allyl Chl...	2.410	41	319414	271.955	ug/L	94
21) Methyl Acetate	2.434	43	138910	44.693	ug/L	98
22) Methylene Chloride	2.520	84	166560	48.851	ug/L	93
23) TBA	2.648	59	492338	959.642	ug/L	100
24) Acrylonitrile	2.757	53	423102	227.410	ug/L	99
25) Methyl-t-Butyl Ether	2.794	73	494927	47.979	ug/L	98
26) trans-1,2-Dichloroethene	2.788	96	168892	47.205	ug/L	97
27) 1,1-Diclethane	3.245	63	298892	46.458	ug/L	99
28) Vinyl Acetate	3.330	86	43747	53.870	ug/L #	80
29) DIPE	3.361	45	485084	44.866	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.355	53	284822	47.837	ug/L	96
31) ETBE	3.843	59	562427	46.808	ug/L	99
32) 2,2-Dichloropropane	4.007	77	232124	48.743	ug/L	97
33) cis-1,2-Dichloroethene	4.013	96	189115	49.735	ug/L	95
34) 2-Butanone	4.074	43	86582	43.384	ug/L	96
35) Propionitrile	4.147	54	175776	229.950	ug/L	97
36) Bromochloromethane	4.379	130	132854	48.189	ug/L	96
37) Methacrylonitrile	4.397	67	84040	47.892	ug/L	89
38) Tetrahydrofuran	4.477	42	55551	44.478	ug/L	91
39) Chloroform	4.544	83	283524	48.220	ug/L	97
40) 1,1,1-Trichloroethane	4.830	97	260211	49.219	ug/L	99

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.763	73	462618	48.017	ug/L	97
43) Cyclohexane	4.916	41	126617	43.182	ug/L	98
45) Carbontetrachloride	5.129	117	222714	48.944	ug/L	98
46) 1,1-Dichloropropene	5.141	75	208255	47.044	ug/L	99
48) Benzene	5.495	78	632287	47.993	ug/L	98
49) 1,2-Dichloroethane	5.543	62	235661	46.304	ug/L	99
50) Iso-Butyl Alcohol	5.556	43	154392	842.540	ug/L	99
51) n-Heptane	6.019	43	205984	43.794	ug/L	96
52) 1-Butanol	6.580	56	306503	2387.389	ug/L	96
53) Trichloroethene	6.507	130	199160	48.191	ug/L	98
54) Methylcyclohexane	6.745	55	245133	45.438	ug/L	90
55) 1,2-Diclpropane	6.805	63	176130	46.880	ug/L	99
56) Dibromomethane	6.952	93	110399	49.291	ug/L	95
57) 1,4-Dioxane	7.031	88	54643	974.580	ug/L	94
58) Methyl Methacrylate	7.055	69	129271	47.930	ug/L	97
59) Bromodichloromethane	7.190	83	210622	51.245	ug/L	99
60) 2-Nitropropane	7.494	41	90286	98.435	ug/L	100
61) 2-Chloroethylvinyl Ether	7.622	63	26767	49.751	ug/L	93
62) cis-1,3-Dichloropropene	7.750	75	251464	50.284	ug/L	98
63) 4-Methyl-2-pentanone	7.976	43	169532	46.655	ug/L	98
65) Toluene	8.122	91	708184	47.974	ug/L	100
66) trans-1,3-Dichloropropene	8.409	75	233287	51.317	ug/L	98
67) Ethyl Methacrylate	8.561	69	236577	50.041	ug/L	93
68) 1,1,2-Trichloroethane	8.598	97	168771	49.119	ug/L	99
71) Tetrachloroethene	8.720	164	152532	47.117	ug/L	95
72) 2-Hexanone	8.909	43	122493	45.196	ug/L	96
73) 1,3-Dichloropropane	8.769	76	258806	46.688	ug/L	97
74) Dibromochloromethane	9.000	129	193844	53.290	ug/L	99
75) N-Butyl Acetate	9.067	43	263440	44.926	ug/L	95
76) 1,2-Dibromoethane	9.092	107	181016	48.985	ug/L	100
77) 3-Chlorobenzotrifluoride	9.628	180	276576	47.819	ug/L	97
78) Chlorobenzene	9.598	112	491922	46.543	ug/L	98
79) 4-Chlorobenzotrifluoride	9.683	180	253939	49.854	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.689	131	192302	51.624	ug/L	99
81) Ethylbenzene	9.720	106	260608	48.060	ug/L	98
82) (m+p)Xylene	9.835	106	640399	95.721	ug/L	99
83) o-Xylene	10.195	106	321096	48.823	ug/L	99
84) Styrene	10.213	104	543416	50.281	ug/L	99
85) Bromoform	10.366	173	119497	55.772	ug/L	99
86) 2-Chlorobenzotrifluoride	10.451	180	266439	49.036	ug/L	97
87) Isopropylbenzene	10.537	105	764882	48.559	ug/L	100
88) Cyclohexanone	10.604	55	640884	697.277	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.860	53	65964	48.602	ug/L	91
91) 1,1,2,2-Tetrachloroethane	10.805	83	227249	47.633	ug/L	99
92) Bromobenzene	10.780	156	213613	48.323	ug/L	98
93) 1,2,3-Trichloropropane	10.835	110	77645	46.378	ug/L	95
94) n-Propylbenzene	10.896	91	921166	48.400	ug/L	100
95) 2-Chlorotoluene	10.957	91	544657	48.226	ug/L	98
96) 3-Chlorotoluene	11.012	91	575475	49.103	ug/L	99
97) 4-Chlorotoluene	11.049	91	637362	48.135	ug/L	99
98) 1,3,5-Trimethylbenzene	11.049	105	700093	48.456	ug/L	97
99) tert-Butylbenzene	11.323	119	613269	47.827	ug/L	100
100) 1,2,4-Trimethylbenzene	11.366	105	700484	48.943	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.433	214	197187	48.583	ug/L	98
102) sec-Butylbenzene	11.506	105	882400	48.798	ug/L	99
103) p-Isopropyltoluene	11.634	119	770112	49.613	ug/L	100

1st 09/23/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

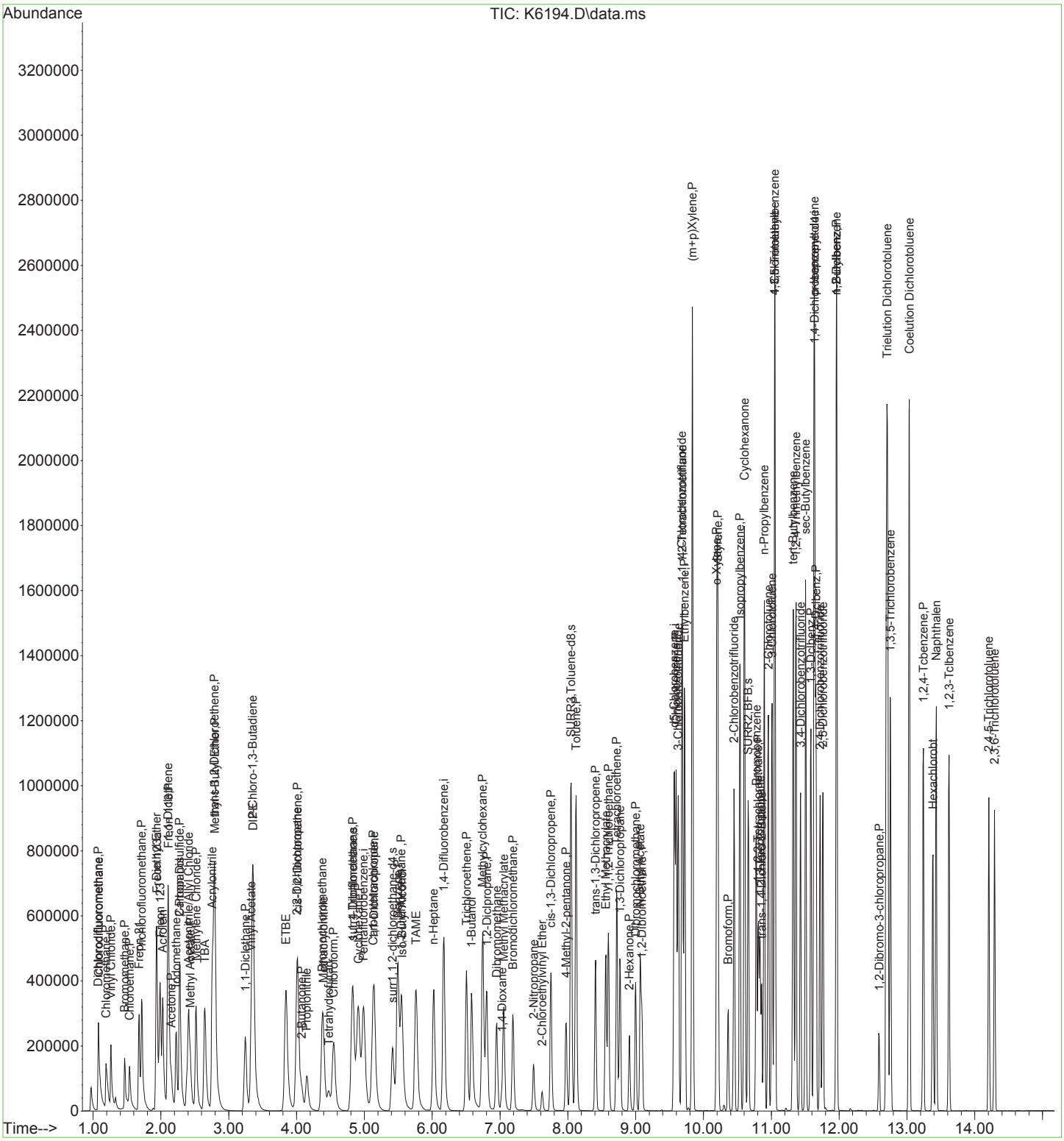
Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	407728	47.574	ug/L	100
105) 1,4-Dclbenz	11.658	146	413479	48.228	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	172678	48.188	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.762	214	198203	49.410	ug/L	100
108) n-Butylbenzene	11.963	91	647669	49.843	ug/L	100
109) 1,2-Dclbenz	11.963	146	399387	47.957	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	59353	55.916	ug/L	95
111) Trielution Dichlorotol...	12.707	125	1161522	149.138	ug/L	99
112) 1,3,5-Trichlorobenzene	12.756	180	296244	49.228	ug/L	99
113) Coelution Dichlorotoluene	13.036	125	828716	103.387	ug/L	99
114) 1,2,4-Tcbenzene	13.243	180	280615	49.605	ug/L	97
115) Hexachlorobt	13.384	225	117729	49.934	ug/L	99
116) Naphthalen	13.432	128	798107	52.738	ug/L	99
117) 1,2,3-Tclbenzene	13.621	180	268149	50.390	ug/L	99
118) 2,4,5-Trichlorotoluene	14.207	159	209613	53.948	ug/L	99
119) 2,3,6-Trichlorotoluene	14.292	159	179321	51.921	ug/L	97

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

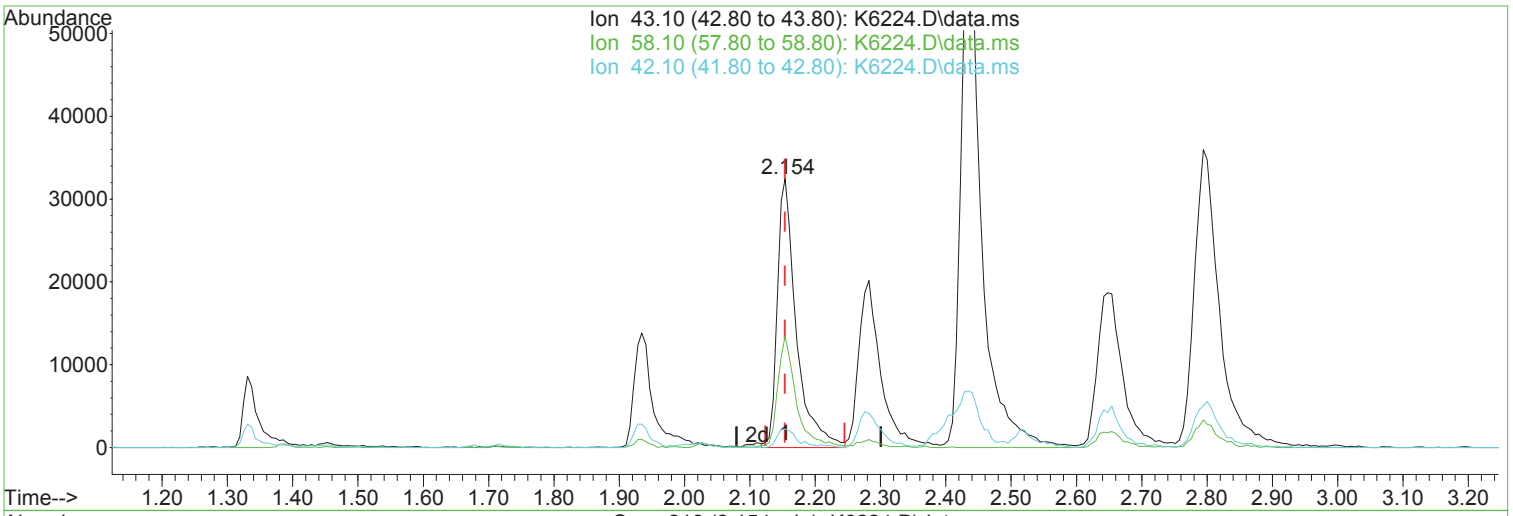
Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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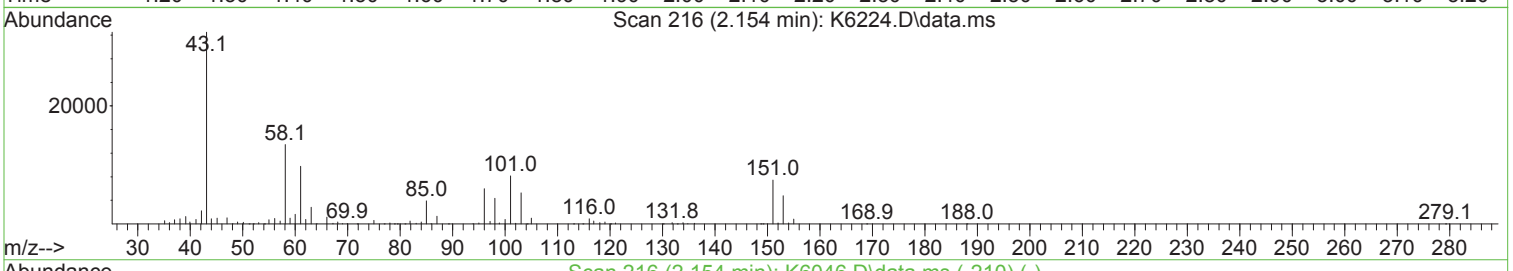


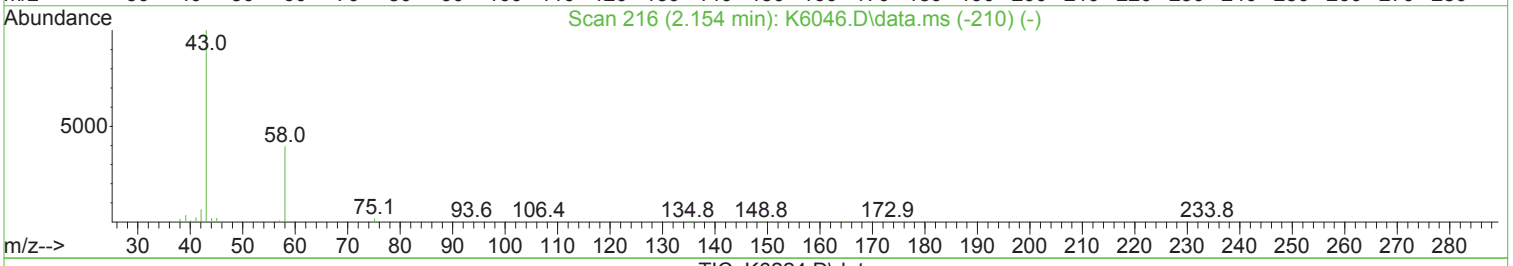
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6224.D
Acq On : 23 Sep 2024 10:19 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 24 09:24:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6224.D\data.ms

(16) Acetone (P)

2.154min (+ 0.000) 40.52 ug/L m

response 65071

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	41.39
42.10	6.60	6.93
0.00	0.00	0.00

Manual Integration:

After

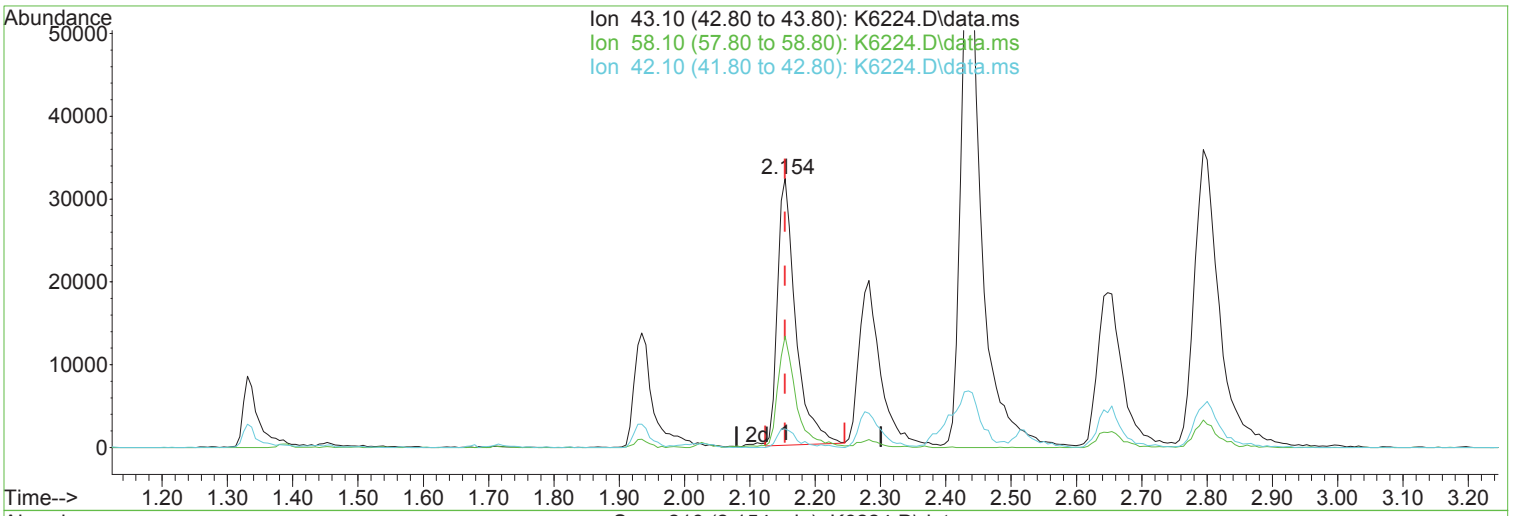
Poor integration.

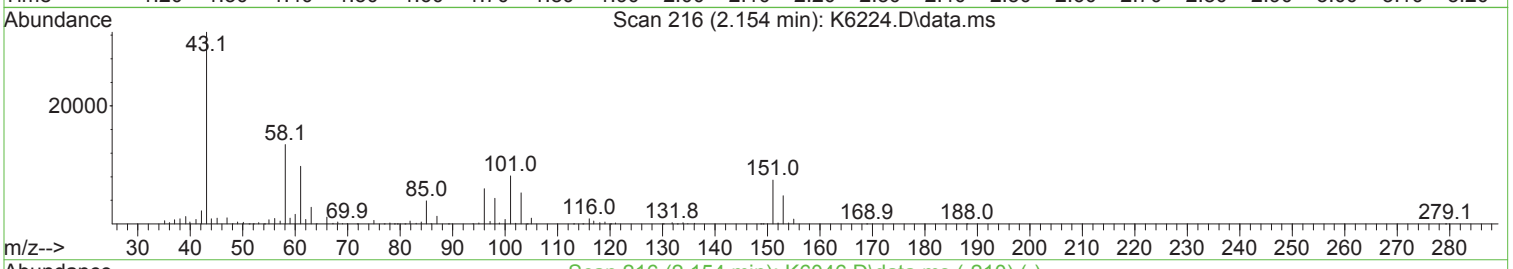
09/24/24

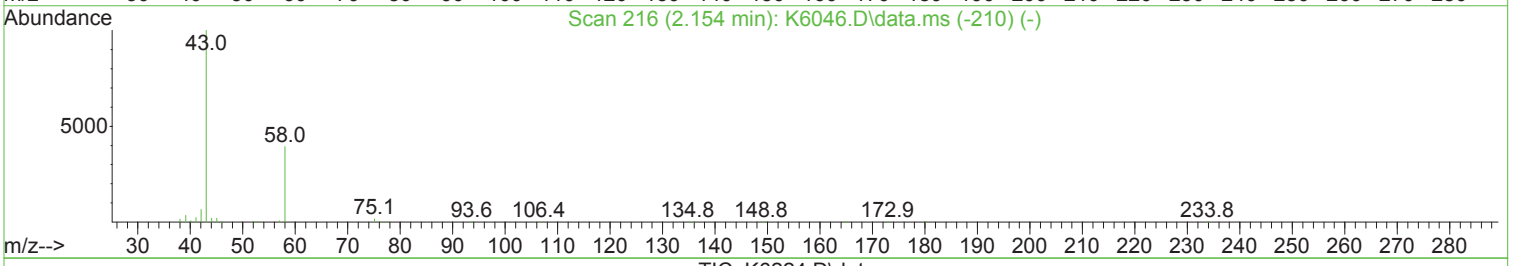
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6224.D
Acq On : 23 Sep 2024 10:19 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 24 09:24:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6224.D\data.ms

(16) Acetone (P)

2.154min (+ 0.000) 38.71 ug/L

response 62160

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	41.39
42.10	6.60	6.93
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6224.D
Acq On : 23 Sep 2024 10:19 pm
Operator : K.Ruest
Sample : CCV
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ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 24 09:24:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	99	0.00
2		Chlorodifluoromethane	50.000	43.953	12.1	88	0.00
3	P	Dichlorodifluoromethane	50.000	48.303	3.4	94	0.00
4	P	Chloromethane	50.000	43.115	13.8	86	0.00
5	P	Vinyl Chloride	50.000	44.934	10.1	90	0.00
6	P	Bromomethane	50.000	51.462	-2.9	97	0.00
7	P	Chloroethane	50.000	46.508	7.0	92	0.00
8		Freon 21	50.000	46.066	7.9	93	0.00
9	P	Trichlorofluoromethane	50.000	46.942	6.1	96	0.00
10		Diethyl Ether	50.000	44.063	11.9	87	0.00
11		Freon 123a	50.000	42.992	14.0	91	0.00
12		Freon 123	50.000	45.719	8.6	94	0.00
13		Acrolein	250.000	235.178	5.9	91	0.00
14		1,1-Diclethene	50.000	46.171	7.7	94	0.00
15	P	Freon 113	50.000	46.250	7.5	93	0.00
16	P	Acetone	50.000	40.521	19.0	79	0.00
17		2-Propanol	1000.000	839.123	16.1	78	0.00
18		Iodomethane	50.000	51.515	-3.0	98	0.00
19	P	Carbon Disulfide	50.000	48.395	3.2	97	0.00
20		Acetonitrile/Allyl Chloride	300.000	256.534	14.5	86	0.00
21	P	Methyl Acetate	50.000	42.390	15.2	82	0.00
22	P	Methylene Chloride	50.000	47.432	5.1	93	0.00
23		TBA	1000.000	888.507	11.1	81	0.00
24		Acrylonitrile	250.000	219.308	12.3	85	0.00
25	P	Methyl-t-Butyl Ether	50.000	46.241	7.5	91	0.00
26	P	trans-1,2-Dichloroethene	50.000	45.625	8.8	94	0.00
27	P	1,1-Diclethane	50.000	45.518	9.0	91	0.00
28		Vinyl Acetate	50.000	42.100	15.8	80	0.00
29		DIPE	50.000	43.291	13.4	87	0.00
30		2-Chloro-1,3-Butadiene	50.000	45.358	9.3	92	0.00
31		ETBE	50.000	45.144	9.7	90	0.00
32		2,2-Dichloropropane	50.000	44.423	11.2	88	0.00
33	P	cis-1,2-Dichloroethene	50.000	46.910	6.2	94	0.00
34	P	2-Butanone	50.000	41.510	17.0	80	0.00
35		Propionitrile	250.000	216.291	13.5	82	0.00
36		Bromochloromethane	50.000	46.590	6.8	95	0.00
37		Methacrylonitrile	50.000	46.880	6.2	90	0.00
38		Tetrahydrofuran	50.000	43.280	13.4	82	0.00
39	P	Chloroform	50.000	46.911	6.2	95	0.00
40	P	1,1,1-Trichloroethane	50.000	47.914	4.2	94	0.00
41		TAME	50.000	46.625	6.8	93	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
43	P	Cyclohexane	50.000	41.464	17.1	85	0.00
44	s	surr4,Dibrflmethane	50.000	50.181	-0.4	93	0.00
45	P	Carbontetrachloride	50.000	47.002	6.0	96	0.00
46		1,1-Dichloropropene	50.000	45.144	9.7	94	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	49.656	0.7	91	0.00
48	P	Benzene	50.000	46.353	7.3	93	0.00
49	P	1,2-Dichloroethane	50.000	45.050	9.9	91	0.00
50		Iso-Butyl Alcohol	1000.000	754.454	24.6#	68	0.00
51		n-Heptane	50.000	39.994	20.0#	80	0.00

1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6224.D
Acq On : 23 Sep 2024 10:19 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 24 09:24:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	2098.990	16.0	71	0.00
53	P	Trichloroethene	50.000	47.672	4.7	98	0.00
54	P	Methylcyclohexane	50.000	43.076	13.8	87	0.00
55	P	1,2-Diclpropane	50.000	45.649	8.7	92	0.00
56		Dibromomethane	50.000	47.293	5.4	93	0.00
57		1,4-Dioxane	1000.000	922.406	7.8	87	0.00
58		Methyl Methacrylate	50.000	45.746	8.5	87	0.00
59	P	Bromodichloromethane	50.000	48.364	3.3	93	0.00
60		2-Nitropropane	100.000	89.958	10.0	80	0.00
61		2-Chloroethylvinyl Ether	50.000	43.286	13.4	72	0.00
62	P	cis-1,3-Dichloropropene	50.000	48.043	3.9	90	0.00
63	P	4-Methyl-2-pentanone	50.000	45.328	9.3	87	0.00
64	s	SURR3,Toluene-d8	50.000	49.815	0.4	93	0.00
65	P	Toluene	50.000	46.827	6.3	95	0.00
66	P	trans-1,3-Dichloropropene	50.000	48.770	2.5	91	0.00
67		Ethyl Methacrylate	50.000	48.504	3.0	88	0.00
68	P	1,1,2-Trichloroethane	50.000	47.026	5.9	92	0.00
69	s	SURR2,BFB	50.000	50.901	-1.8	94	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	97	0.00
71	P	Tetrachloroethene	50.000	45.632	8.7	96	0.00
72	P	2-Hexanone	50.000	43.801	12.4	82	0.00
73		1,3-Dichloropropane	50.000	44.973	10.1	91	0.00
74	P	Dibromochloromethane	50.000	50.880	-1.8	94	0.00
75		N-Butyl Acetate	50.000	43.350	13.3	82	0.00
76	P	1,2-Dibromoethane	50.000	47.131	5.7	93	0.00
77		3-Chlorobenzotrifluoride	50.000	45.920	8.2	97	0.00
78	P	Chlorobenzene	50.000	45.297	9.4	94	0.00
79		4-Chlorobenzotrifluoride	50.000	46.745	6.5	96	0.00
80		1,1,1,2-Tetrachloroethane	50.000	49.336	1.3	95	0.00
81	P	Ethylbenzene	50.000	45.799	8.4	94	0.00
82	P	(m+p)Xylene	100.000	92.525	7.5	94	0.00
83	P	o-Xylene	50.000	46.125	7.8	94	0.00
84	P	Styrene	50.000	48.140	3.7	93	0.00
85	P	Bromoform	50.000	53.283	-6.6	93	0.00
86		2-Chlorobenzotrifluoride	50.000	46.473	7.1	96	0.00
87	P	Isopropylbenzene	50.000	46.509	7.0	94	0.00
88		Cyclohexanone	1000.000	725.472	27.5#	66	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	46.168	7.7	83	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	44.665	10.7	89	0.00
92		Bromobenzene	50.000	46.785	6.4	93	0.00
93		1,2,3-Trichloropropane	50.000	45.529	8.9	94	0.00
94		n-Propylbenzene	50.000	46.177	7.6	93	0.00
95		2-Chlorotoluene	50.000	46.913	6.2	94	0.00
96		3-Chlorotoluene	50.000	47.292	5.4	95	0.00
97		4-Chlorotoluene	50.000	45.772	8.5	92	0.00
98		1,3,5-Trimethylbenzene	50.000	46.268	7.5	94	0.00
99		tert-Butylbenzene	50.000	46.119	7.8	95	0.00
100		1,2,4-Trimethylbenzene	50.000	47.399	5.2	96	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	45.706	8.6	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6224.D
Acq On : 23 Sep 2024 10:19 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 24 09:24:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	46.361	7.3	93	0.00
103		p-Isopropyltoluene	50.000	47.354	5.3	93	0.00
104	P	1,3-Dclbenz	50.000	46.199	7.6	94	0.00
105	P	1,4-Dclbenz	50.000	46.183	7.6	93	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	45.935	8.1	94	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	45.361	9.3	94	0.00
108		n-Butylbenzene	50.000	47.110	5.8	93	0.00
109	P	1,2-Dclbenz	50.000	46.843	6.3	95	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	53.810	-7.6	92	0.00
111		Trielution Dichlorotoluene	150.000	143.968	4.0	97	0.00
112		1,3,5-Trichlorobenzene	50.000	46.874	6.3	94	0.00
113		Coelution Dichlorotoluene	100.000	98.871	1.1	97	0.00
114	P	1,2,4-Tcbenzene	50.000	47.365	5.3	92	0.00
115		Hexachlorobt	50.000	48.114	3.8	94	0.00
116		Naphthalen	50.000	50.793	-1.6	92	0.00
117		1,2,3-Tclbenzene	50.000	47.903	4.2	93	0.00
118		2,4,5-Trichlorotoluene	50.000	51.175	-2.3	91	0.00
119		2,3,6-Trichlorotoluene	50.000	0.000	100.0#	0	-14.29#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6224.D
Acq On : 23 Sep 2024 10:19 pm
Operator : K.Ruest
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Quant Time: Sep 24 09:24:49 2024
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	416021	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	632639	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	545644	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	282905	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	192013	50.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 100.36%			
47) surr1,1,2-dichloroetha...	5.416	65	216274	49.66	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.32%			
64) SURR3,Toluene-d8	8.049	98	713656	49.81	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.62%			
69) SURR2,BFB	10.659	95	264104	50.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.80%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	178540	43.953	ug/L	98
3) Dichlorodifluoromethane	1.075	85	173322	48.303	ug/L	98
4) Chloromethane	1.191	50	189148	43.115	ug/L	99
5) Vinyl Chloride	1.264	62	191772	44.934	ug/L	99
6) Bromomethane	1.465	94	111459	51.462	ug/L	98
7) Chloroethane	1.538	64	113704	46.508	ug/L	97
8) Freon 21	1.678	67	286081	46.066	ug/L	99
9) Trichlorofluoromethane	1.721	101	260546	46.942	ug/L	100
10) Diethyl Ether	1.935	59	160850	44.063	ug/L	96
11) Freon 123a	1.941	67	160363	42.992	ug/L	94
12) Freon 123	1.989	83	221162	45.719	ug/L	97
13) Acrolein	2.026	56	261826	235.178	ug/L	100
14) 1,1-Diclethene	2.105	96	156372	46.171	ug/L	98
15) Freon 113	2.111	101	159825	46.250	ug/L	99
16) Acetone	2.154	43	65071m	40.521	ug/L	
17) 2-Propanol	2.282	45	240617	839.123	ug/L	95
18) Iodomethane	2.227	142	271949	51.515	ug/L	99
19) Carbon Disulfide	2.282	76	401562	48.395	ug/L	99
20) Acetonitrile/Allyl Chl...	2.410	41	308283	256.534	ug/L	95
21) Methyl Acetate	2.434	43	134803	42.390	ug/L	97
22) Methylene Chloride	2.520	84	165548	47.432	ug/L	90
23) TBA	2.648	59	466406	888.507	ug/L	99
24) Acrylonitrile	2.758	53	417483	219.308	ug/L	98
25) Methyl-t-Butyl Ether	2.800	73	488046	46.241	ug/L	96
26) trans-1,2-Dichloroethene	2.788	96	167020	45.625	ug/L	97
27) 1,1-Diclethane	3.245	63	299628	45.518	ug/L	100
28) Vinyl Acetate	3.331	86	34981	42.100	ug/L #	75
29) DIPE	3.361	45	478906	43.291	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.355	53	276320	45.358	ug/L	97
31) ETBE	3.849	59	555000	45.144	ug/L	99
32) 2,2-Dichloropropane	4.013	77	216451	44.423	ug/L	97
33) cis-1,2-Dichloroethene	4.013	96	182504	46.910	ug/L	93
34) 2-Butanone	4.080	43	84761	41.510	ug/L	96
35) Propionitrile	4.154	54	169166	216.291	ug/L	92
36) Bromochloromethane	4.379	130	131424	46.590	ug/L	96
37) Methacrylonitrile	4.398	67	84170	46.880	ug/L	87
38) Tetrahydrofuran	4.477	42	55307	43.280	ug/L	88
39) Chloroform	4.550	83	282218	46.911	ug/L	99
40) 1,1,1-Trichloroethane	4.830	97	259182	47.914	ug/L	99

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ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 24 09:24:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.763	73	459617	46.625	ug/L	99
43) Cyclohexane	4.916	41	125157	41.464	ug/L	97
45) Carbontetrachloride	5.129	117	220174	47.002	ug/L	97
46) 1,1-Dichloropropene	5.147	75	205724	45.144	ug/L	98
48) Benzene	5.495	78	628662	46.353	ug/L	97
49) 1,2-Dichloroethane	5.550	62	236028	45.050	ug/L	97
50) Iso-Butyl Alcohol	5.556	43	142320	754.454	ug/L	99
51) n-Heptane	6.025	43	193647	39.994	ug/L	96
52) 1-Butanol	6.586	56	277409	2098.990	ug/L	94
53) Trichloroethene	6.507	130	202813	47.672	ug/L	97
54) Methylcyclohexane	6.745	55	239230	43.076	ug/L	89
55) 1,2-Diclpropane	6.806	63	176553	45.649	ug/L	99
56) Dibromomethane	6.952	93	109040	47.293	ug/L	96
57) 1,4-Dioxane	7.031	88	53240	922.406	ug/L	88
58) Methyl Methacrylate	7.056	69	127011	45.746	ug/L	94
59) Bromodichloromethane	7.190	83	204632	48.364	ug/L	99
60) 2-Nitropropane	7.495	41	84939	89.958	ug/L	97
61) 2-Chloroethylvinyl Ether	7.623	63	23974	43.286	ug/L	94
62) cis-1,3-Dichloropropene	7.751	75	247326	48.043	ug/L	98
63) 4-Methyl-2-pentanone	7.976	43	169559	45.328	ug/L	97
65) Toluene	8.122	91	711598	46.827	ug/L	99
66) trans-1,3-Dichloropropene	8.409	75	228231	48.770	ug/L	98
67) Ethyl Methacrylate	8.561	69	236056	48.504	ug/L	93
68) 1,1,2-Trichloroethane	8.598	97	166338	47.026	ug/L	99
71) Tetrachloroethene	8.726	164	151795	45.632	ug/L	97
72) 2-Hexanone	8.909	43	121981	43.801	ug/L	96
73) 1,3-Dichloropropane	8.769	76	256167	44.973	ug/L	95
74) Dibromochloromethane	9.000	129	190174	50.880	ug/L	99
75) N-Butyl Acetate	9.067	43	261196	43.350	ug/L	95
76) 1,2-Dibromoethane	9.092	107	178960	47.131	ug/L	99
77) 3-Chlorobenzotrifluoride	9.628	180	272908	45.920	ug/L	100
78) Chlorobenzene	9.598	112	491931	45.297	ug/L	98
79) 4-Chlorobenzotrifluoride	9.683	180	244657	46.745	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.689	131	188838	49.336	ug/L	99
81) Ethylbenzene	9.726	106	255191	45.799	ug/L	99
82) (m+p)Xylene	9.836	106	636070	92.525	ug/L	98
83) o-Xylene	10.201	106	311709	46.125	ug/L	99
84) Styrene	10.214	104	534604	48.140	ug/L	99
85) Bromoform	10.366	173	117307	53.283	ug/L	98
86) 2-Chlorobenzotrifluoride	10.451	180	259470	46.473	ug/L	95
87) Isopropylbenzene	10.537	105	752768	46.509	ug/L	99
88) Cyclohexanone	10.604	55	685164	725.472	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.860	53	64386	46.168	ug/L	95
91) 1,1,2,2-Tetrachloroethane	10.811	83	218183	44.665	ug/L	99
92) Bromobenzene	10.781	156	211757	46.785	ug/L	97
93) 1,2,3-Trichloropropane	10.835	110	78046	45.529	ug/L	96
94) n-Propylbenzene	10.896	91	899862	46.177	ug/L	100
95) 2-Chlorotoluene	10.957	91	542492	46.913	ug/L	97
96) 3-Chlorotoluene	11.012	91	567503	47.292	ug/L	100
97) 4-Chlorotoluene	11.055	91	620562	45.772	ug/L	96
98) 1,3,5-Trimethylbenzene	11.055	105	684462	46.268	ug/L	99
99) tert-Butylbenzene	11.323	119	605502	46.119	ug/L	99
100) 1,2,4-Trimethylbenzene	11.366	105	694597	47.399	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.433	214	189942	45.706	ug/L	99
102) sec-Butylbenzene	11.506	105	858378	46.361	ug/L	99
103) p-Isopropyltoluene	11.634	119	752626	47.354	ug/L	99

1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6224.D
Acq On : 23 Sep 2024 10:19 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 25 Sample Multiplier: 1

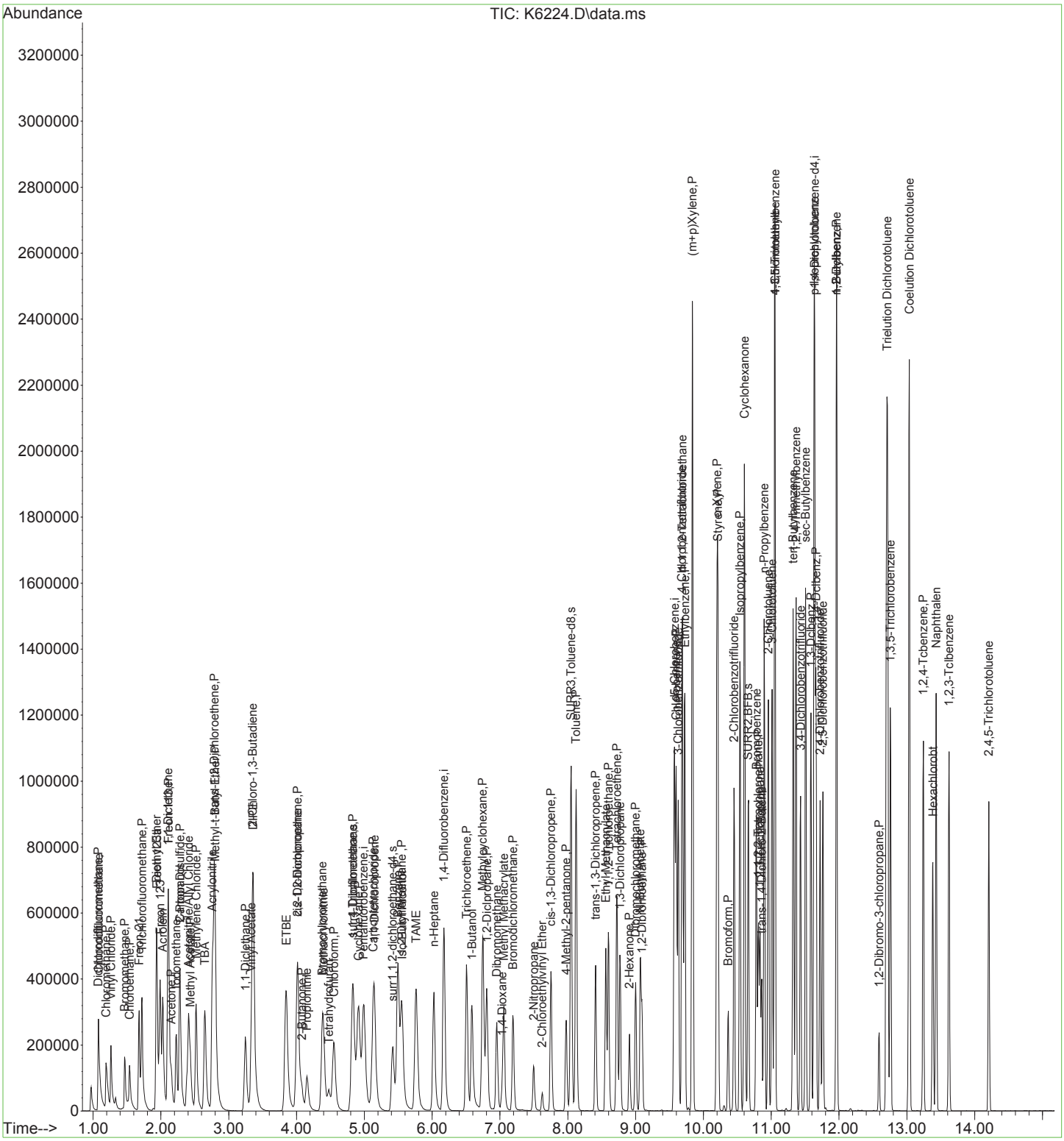
Quant Time: Sep 24 09:24:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	405413	46.199	ug/L	100
105) 1,4-Dclbenz	11.658	146	405414	46.183	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	168539	45.935	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.762	214	186311	45.361	ug/L	98
108) n-Butylbenzene	11.963	91	626787	47.110	ug/L	99
109) 1,2-Dclbenz	11.963	146	399438	46.843	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	58483	53.810	ug/L	100
111) Trielution Dichlorotol...	12.707	125	1148066	143.968	ug/L	100
112) 1,3,5-Trichlorobenzene	12.756	180	288820	46.874	ug/L	98
113) Coelution Dichlorotoluene	13.036	125	811468	98.871	ug/L	98
114) 1,2,4-Tcbenzene	13.243	180	274349	47.365	ug/L	97
115) Hexachlorobt	13.384	225	116148	48.114	ug/L	99
116) Naphthalen	13.432	128	787059	50.793	ug/L	99
117) 1,2,3-Tclbenzene	13.621	180	261011	47.903	ug/L	99
118) 2,4,5-Trichlorotoluene	14.207	159	203592	51.175	ug/L	100

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6224.D
Acq On : 23 Sep 2024 10:19 pm
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 24 09:24:49 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration



1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6055.D
Acq On : 18 Sep 2024 05:09 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 19 10:31:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	436698	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	662918	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	578355	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	298324	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	209466	52.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.48%			
47) surr1,1,2-dichloroetha...	5.416	65	231460	50.72	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.44%			
64) SURR3,Toluene-d8	8.049	98	780714	52.01	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.02%			
69) SURR2,BFB	10.659	95	291508	53.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 107.24%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	222886	52.273	ug/L	98
3) Dichlorodifluoromethane	1.075	85	270334	71.772	ug/L	98
4) Chloromethane	1.191	50	240293	52.179	ug/L	100
5) Vinyl Chloride	1.264	62	246919	55.117	ug/L	97
6) Bromomethane	1.465	94	122296	54.073	ug/L	99
7) Chloroethane	1.538	64	127841	49.833	ug/L	99
8) Freon 21	1.679	67	282122	43.277	ug/L	100
9) Trichlorofluoromethane	1.721	101	290856	49.921	ug/L	99
10) Diethyl Ether	1.935	59	185932	48.522	ug/L	98
11) Freon 123a	1.941	67	190598	48.678	ug/L	99
12) Freon 123	1.989	83	292393	57.582	ug/L	95
13) Acrolein	2.026	56	84609	72.399	ug/L	92
14) 1,1-Diclethene	2.105	96	180136	50.670	ug/L	94
15) Freon 113	2.111	101	187544	51.702	ug/L	98
16) Acetone	2.154	43	68753	40.787	ug/L	97
17) 2-Propanol	2.276	45	265521	882.129	ug/L	97
18) Iodomethane	2.227	142	297378	53.665	ug/L	99
19) Carbon Disulfide	2.282	76	461670	53.004	ug/L	99
20) Acetonitrile/Allyl Chl...	2.410	41	395803	313.768	ug/L	95
21) Methyl Acetate	2.435	43	148400	44.456	ug/L	97
22) Methylene Chloride	2.520	84	185854	50.786	ug/L	94
23) TBA	2.648	59	517745	939.608	ug/L	99
24) Acrylonitrile	2.758	53	471498	235.955	ug/L	96
25) Methyl-t-Butyl Ether	2.800	73	547137	49.385	ug/L	98
26) trans-1,2-Dichloroethene	2.788	96	184789	48.089	ug/L	100
27) 1,1-Diclethane	3.245	63	348949	50.501	ug/L	100
28) Vinyl Acetate	3.331	86	38012	43.582	ug/L #	89
29) DIPE	3.361	45	531717	45.789	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.355	53	301819	47.197	ug/L	100
31) ETBE	3.843	59	615203	47.671	ug/L	97
32) 2,2-Dichloropropane	4.007	77	269813	52.752	ug/L	99
33) cis-1,2-Dichloroethene	4.020	96	218372	53.471	ug/L	95
34) 2-Butanone	4.074	43	100689	46.975	ug/L	99
35) Propionitrile	4.154	54	188333	229.395	ug/L	96
36) Bromochloromethane	4.379	130	144247	48.715	ug/L	97
37) Methacrylonitrile	4.398	67	90309	47.917	ug/L	96
38) Tetrahydrofuran	4.477	42	62695	46.738	ug/L	88
39) Chloroform	4.550	83	315133	49.902	ug/L	100
40) 1,1,1-Trichloroethane	4.830	97	292575	51.526	ug/L	96

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6055.D
Acq On : 18 Sep 2024 05:09 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 19 10:31:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.757	73	499786	48.300	ug/L	98
43) Cyclohexane	4.916	41	155991	49.318	ug/L	97
45) Carbontetrachloride	5.129	117	251307	51.198	ug/L	98
46) 1,1-Dichloropropene	5.147	75	231529	48.486	ug/L	97
48) Benzene	5.495	78	716790	50.437	ug/L	99
49) 1,2-Dichloroethane	5.544	62	269878	49.158	ug/L	99
50) Iso-Butyl Alcohol	5.556	43	185351	937.687	ug/L	100
51) n-Heptane	6.025	43	268266	52.875	ug/L	98
52) 1-Butanol	6.580	56	321926	2324.567	ug/L	100
53) Trichloroethene	6.507	130	226701	50.853	ug/L	98
54) Methylcyclohexane	6.745	55	288864	49.638	ug/L	97
55) 1,2-Diclpropane	6.806	63	184770	45.591	ug/L	98
56) Dibromomethane	6.952	93	121776	50.404	ug/L	98
57) 1,4-Dioxane	7.031	88	55506	917.741	ug/L	100
58) Methyl Methacrylate	7.056	69	146275	50.278	ug/L	98
59) Bromodichloromethane	7.190	83	236829	53.417	ug/L	99
60) 2-Nitropropane	7.495	41	98574	99.630	ug/L	95
61) 2-Chloroethylvinyl Ether	7.623	63	45381	78.194	ug/L	98
62) cis-1,3-Dichloropropene	7.751	75	297445	55.139	ug/L	97
63) 4-Methyl-2-pentanone	7.976	43	189105	48.244	ug/L	98
65) Toluene	8.123	91	807283	50.697	ug/L	99
66) trans-1,3-Dichloropropene	8.409	75	276897	56.466	ug/L	98
67) Ethyl Methacrylate	8.561	69	265141	51.991	ug/L	99
68) 1,1,2-Trichloroethane	8.598	97	186864	50.416	ug/L	96
71) Tetrachloroethene	8.726	164	173448	49.193	ug/L	95
72) 2-Hexanone	8.909	43	142045	48.121	ug/L	99
73) 1,3-Dichloropropane	8.769	76	288352	47.761	ug/L	99
74) Dibromochloromethane	9.000	129	208798	52.703	ug/L	99
75) N-Butyl Acetate	9.067	43	292453	45.792	ug/L	97
76) 1,2-Dibromoethane	9.092	107	198420	49.300	ug/L	98
77) 3-Chlorobenzotrifluoride	9.628	180	294932	46.819	ug/L	99
78) Chlorobenzene	9.598	112	558362	48.506	ug/L	98
79) 4-Chlorobenzotrifluoride	9.683	180	263240	47.451	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.689	131	211216	52.061	ug/L	98
81) Ethylbenzene	9.726	106	293508	49.697	ug/L	98
82) (m+p)Xylene	9.836	106	736085	101.018	ug/L	98
83) o-Xylene	10.201	106	353792	49.391	ug/L	98
84) Styrene	10.214	104	617459	52.456	ug/L	99
85) Bromoform	10.366	173	134811	57.770	ug/L	100
86) 2-Chlorobenzotrifluoride	10.451	180	276012	46.640	ug/L	97
87) Isopropylbenzene	10.537	105	908811	52.975	ug/L	98
88) Cyclohexanone	10.604	55	960712	959.698	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.860	53	66927	45.276	ug/L	99
91) 1,1,2,2-Tetrachloroethane	10.811	83	242932	47.161	ug/L	99
92) Bromobenzene	10.781	156	236867	49.628	ug/L	96
93) 1,2,3-Trichloropropane	10.835	110	81249	44.948	ug/L	97
94) n-Propylbenzene	10.896	91	1027485	50.001	ug/L	100
95) 2-Chlorotoluene	10.957	91	613874	50.342	ug/L	99
96) 3-Chlorotoluene	11.012	91	606053	47.894	ug/L	100
97) 4-Chlorotoluene	11.055	91	718436	50.252	ug/L	96
98) 1,3,5-Trimethylbenzene	11.055	105	774750	49.665	ug/L	99
99) tert-Butylbenzene	11.323	119	691196	49.925	ug/L	99
100) 1,2,4-Trimethylbenzene	11.366	105	776481	50.248	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.433	214	204518	46.670	ug/L	99
102) sec-Butylbenzene	11.506	105	970243	49.694	ug/L	100
103) p-Isopropyltoluene	11.634	119	876136	52.276	ug/L	99

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6055.D
Acq On : 18 Sep 2024 05:09 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 15 Sample Multiplier: 1

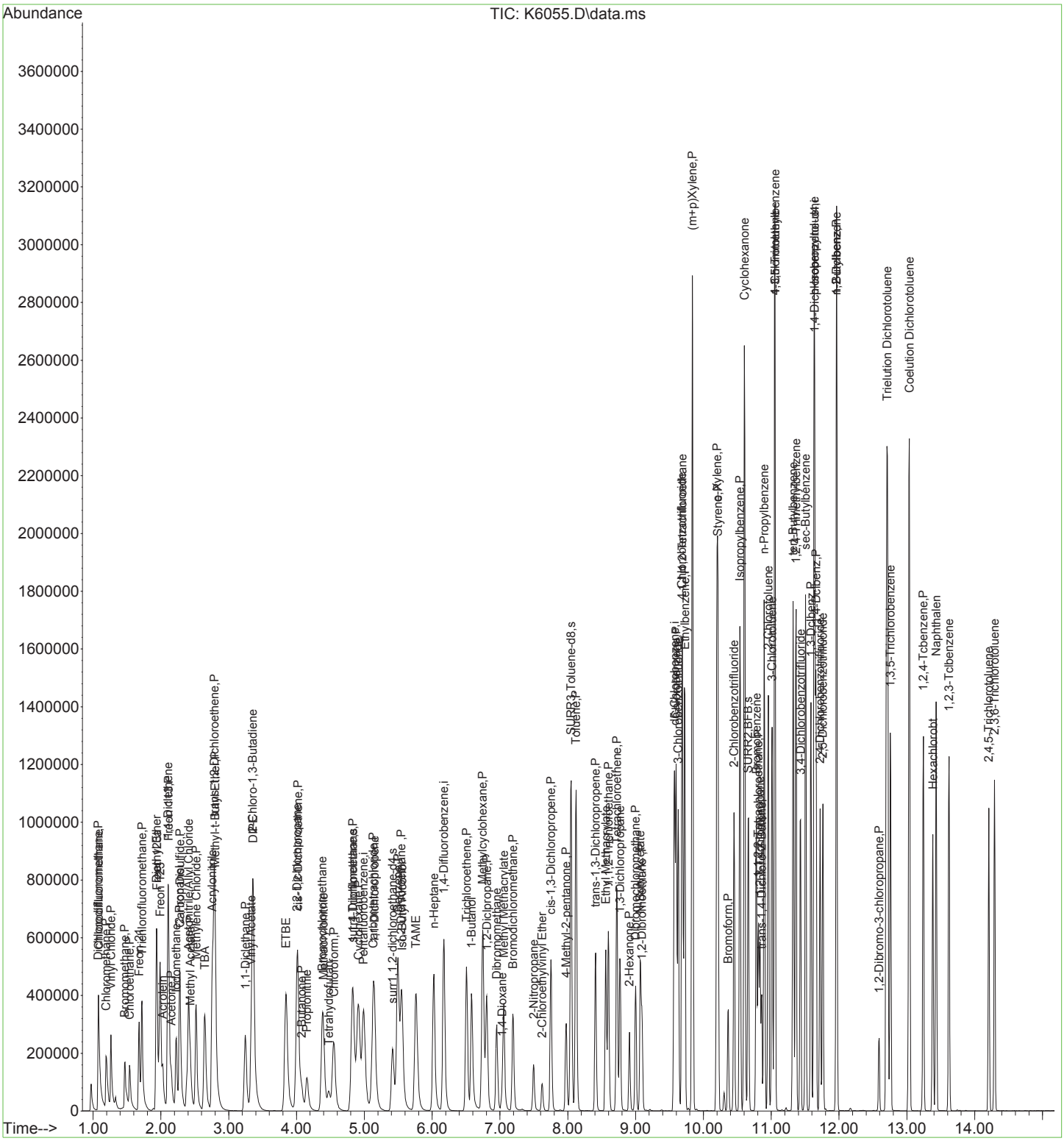
Quant Time: Sep 19 10:31:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	465130	50.265	ug/L	99
105) 1,4-Dclbenz	11.658	146	470029	50.776	ug/L	100
106) 2,4-Dichlorobenzotrifl...	11.719	214	187356	48.424	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.762	214	200931	46.392	ug/L	98
108) n-Butylbenzene	11.963	91	748594	53.357	ug/L	100
109) 1,2-Dclbenz	11.963	146	446783	49.687	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	62273	54.335	ug/L	96
111) Trielution Dichlorotol...	12.707	125	1205243	143.327	ug/L	100
112) 1,3,5-Trichlorobenzene	12.756	180	310430	47.777	ug/L	98
113) Coelution Dichlorotoluene	13.036	125	850863	98.313	ug/L	99
114) 1,2,4-Tcbenzene	13.244	180	314164	51.435	ug/L	98
115) Hexachlorobt	13.384	225	132349	51.991	ug/L	99
116) Naphthalen	13.433	128	869455	53.211	ug/L	99
117) 1,2,3-Tclbenzene	13.622	180	298890	52.020	ug/L	99
118) 2,4,5-Trichlorotoluene	14.207	159	220164	52.480	ug/L	100
119) 2,3,6-Trichlorotoluene	14.292	159	221497	59.398	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6055.D
Acq On : 18 Sep 2024 05:09 pm
Operator : K.Ruest
Sample : ICV-50
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 19 10:31:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

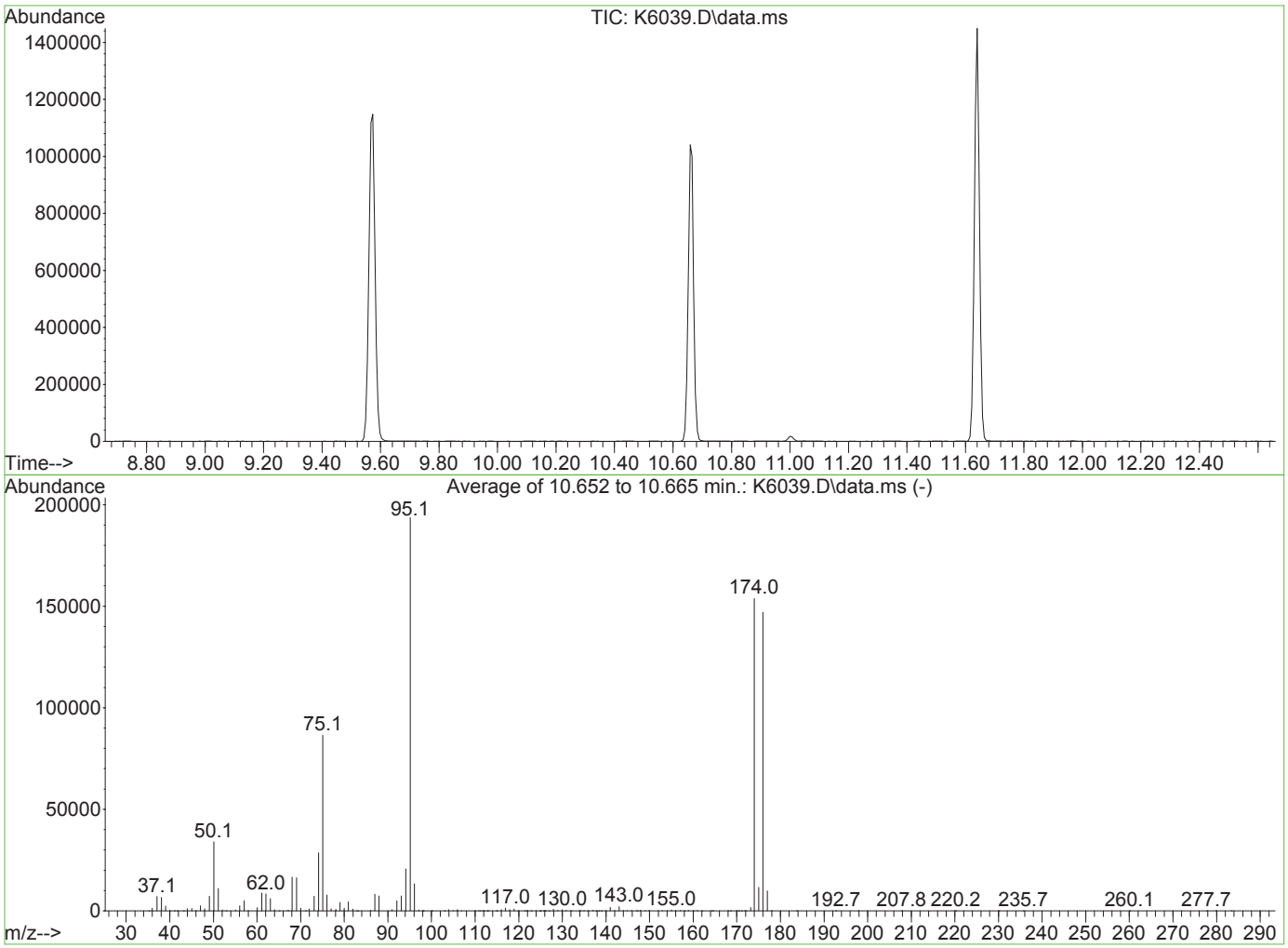


1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6039.D
Acq On : 18 Sep 2024 10:49 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Title : MS#17 - 8260 WATERS 5mL Purge
Last Update : Wed Sep 04 10:49:08 2024



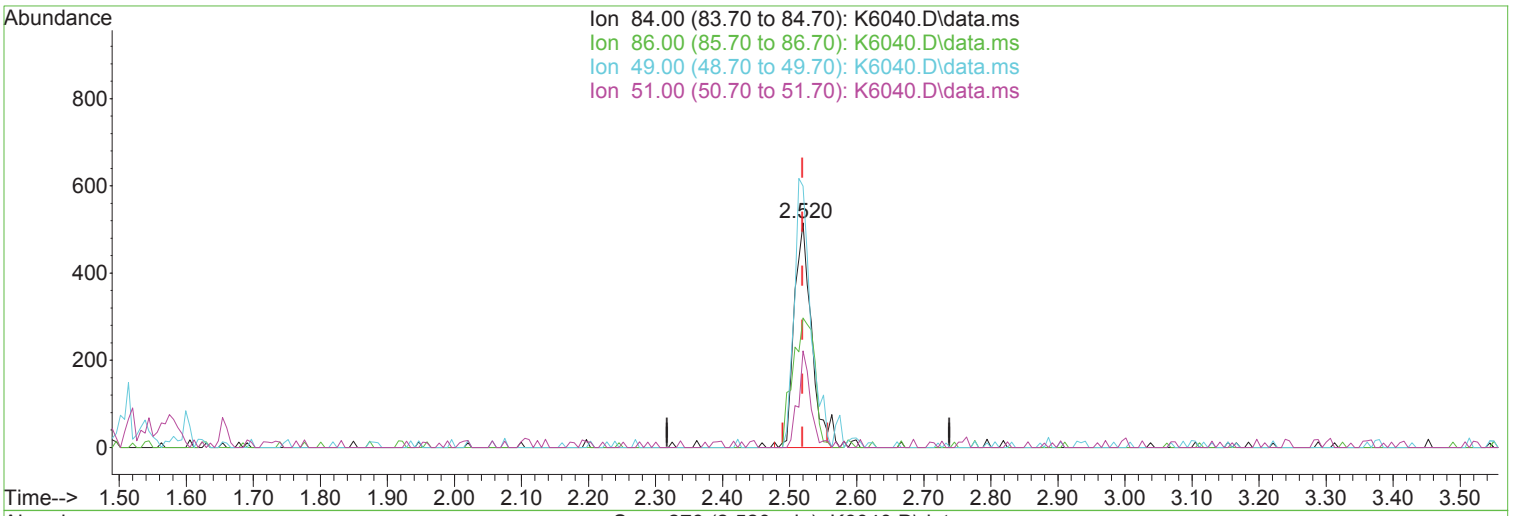
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1605

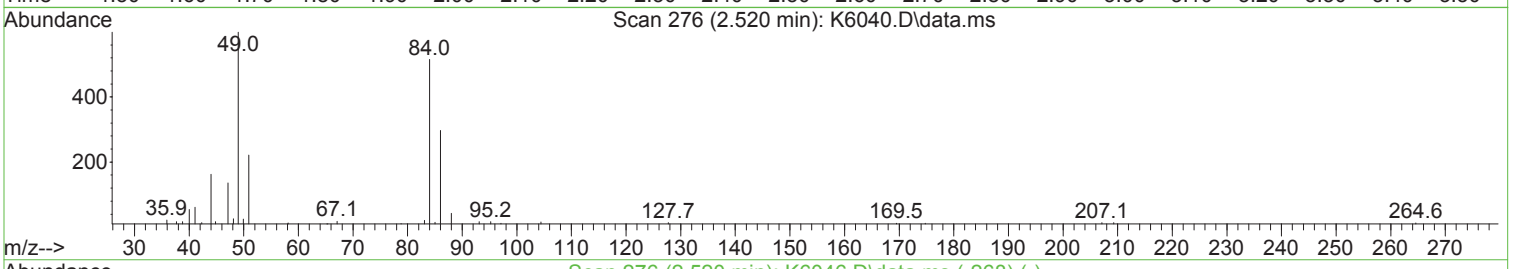
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.6	33994	PASS
75	95	30	80	44.6	86419	PASS
95	95	100	100	100.0	193621	PASS
96	95	5	9	6.9	13280	PASS
173	174	0.00	2	1.0	1568	PASS
174	95	50	120	79.4	153821	PASS
175	174	5	9	7.5	11580	PASS
176	174	95	101	95.5	146960	PASS
177	176	5	9	6.7	9883	PASS

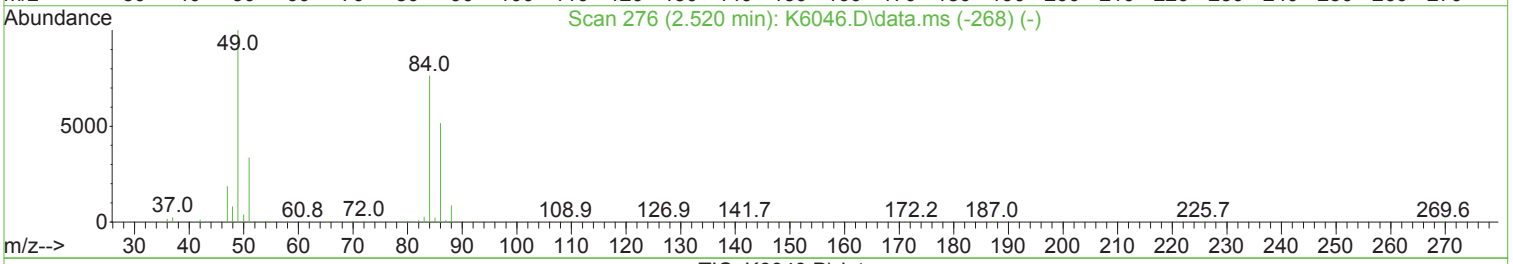
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6040.D
Acq On : 18 Sep 2024 11:12 am
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 12:22:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6040.D\data.ms

(22) Methylene Chloride (P)

2.520min (+ 0.001) -1.00 ug/L m

response 937

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	67.50	57.67
49.00	131.30	116.31
51.00	44.10	42.91

Manual Integration:

After

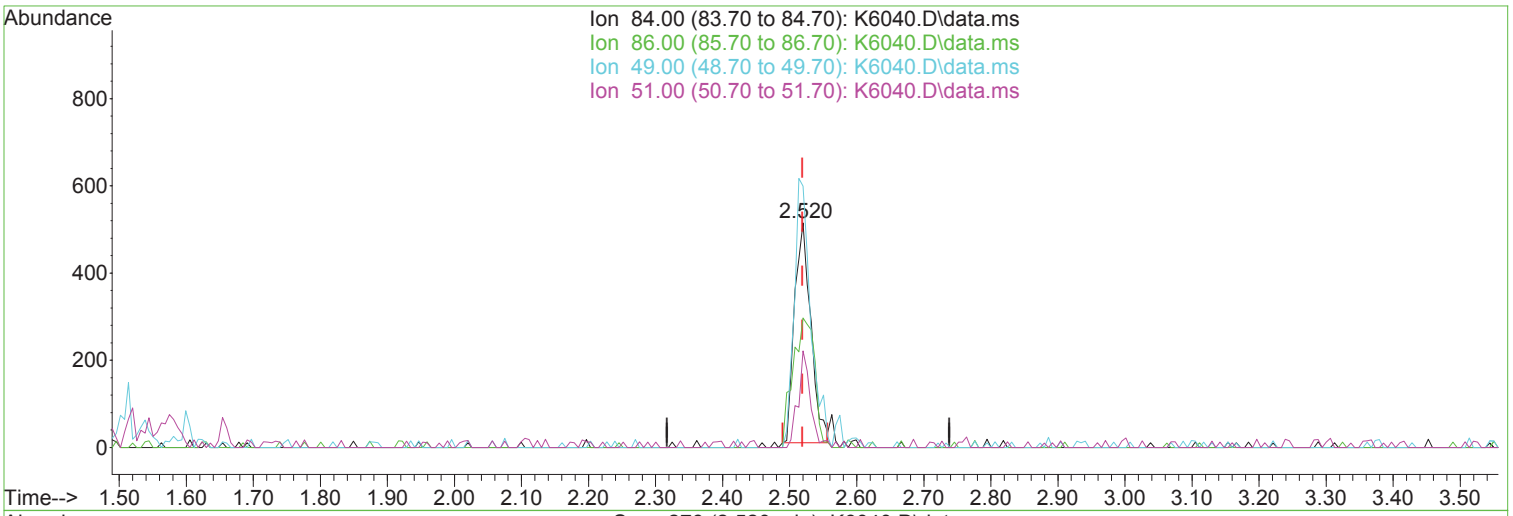
Poor integration.

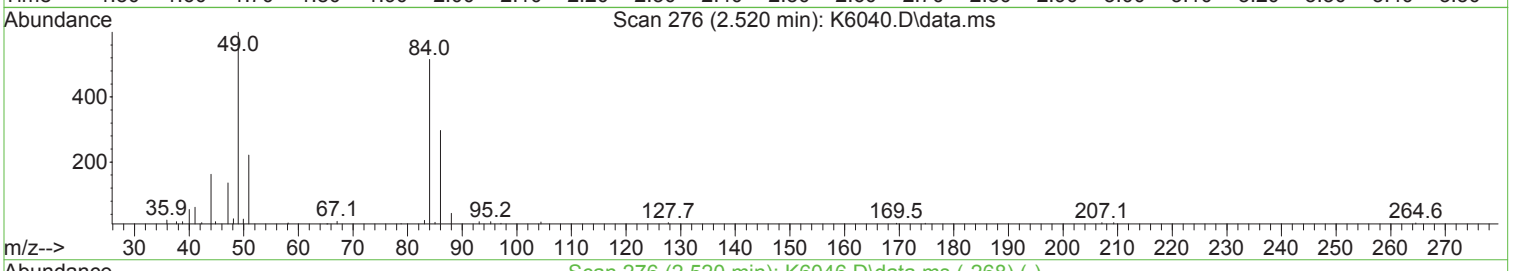
09/19/24

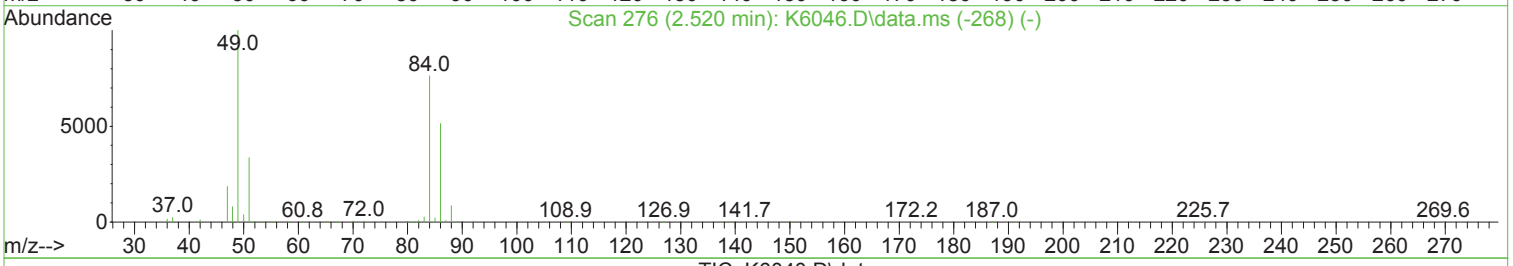
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6040.D
Acq On : 18 Sep 2024 11:12 am
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 12:22:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6040.D\data.ms

(22) Methylene Chloride (P)

2.520min (+ 0.001) -1.00 ug/L

response 856

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	67.50	57.67
49.00	131.30	116.31
51.00	44.10	42.91

Manual Integration:

Before

09/19/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6040.D
Acq On : 18 Sep 2024 11:12 am
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 12:22:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

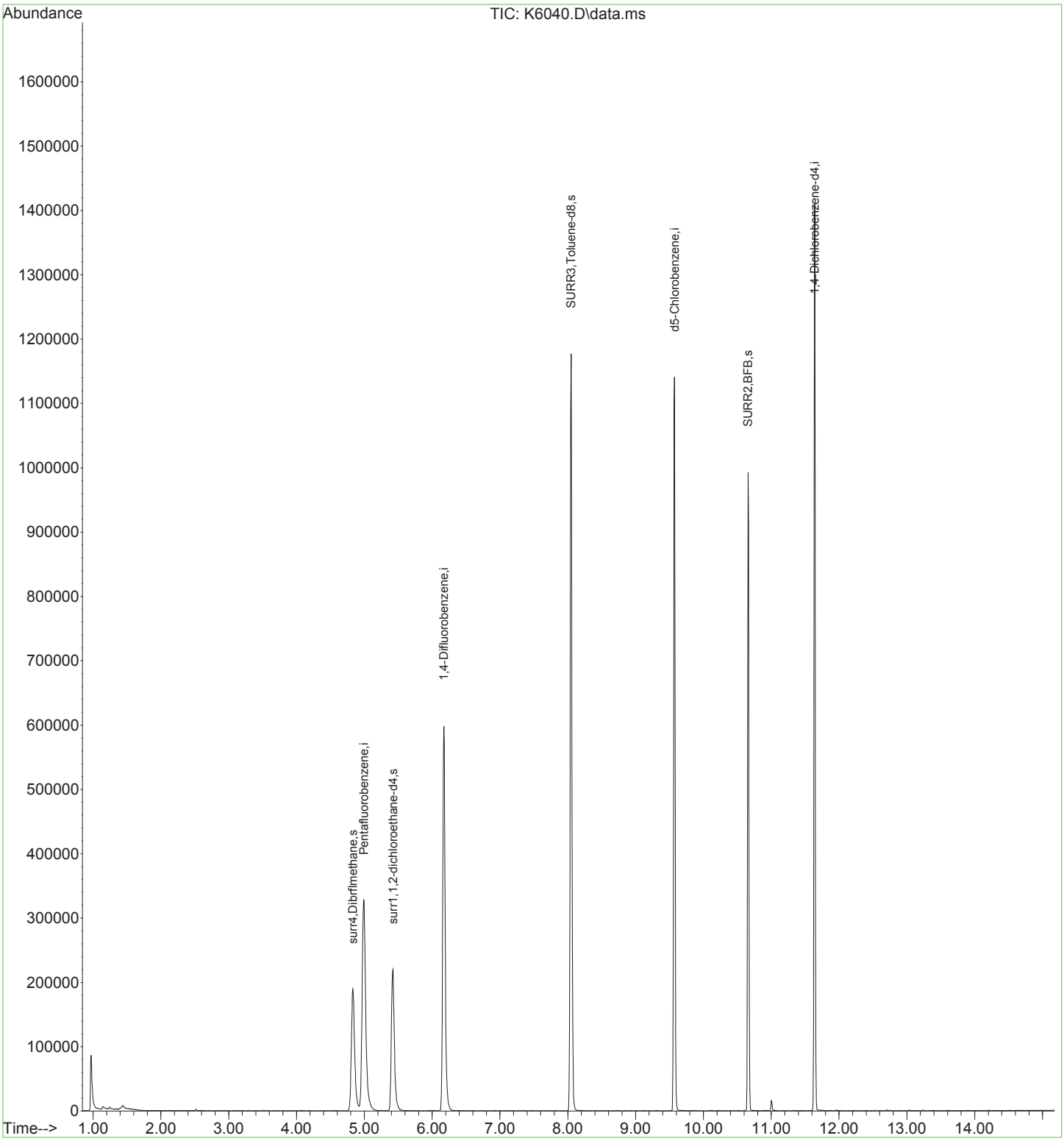
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	438760	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	670858	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	569833	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	291884	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	205492	50.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.28%			
47) surr1,1,2-dichloroetha...	5.422	65	241238	52.23	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.46%			
64) SURR3,Toluene-d8	8.049	98	779739	51.33	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.66%			
69) SURR2,BFB	10.659	95	274054	49.81	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.62%			
Target Compounds						Qvalue
22) Methylene Chloride	2.520	84	937m	Below Cal		

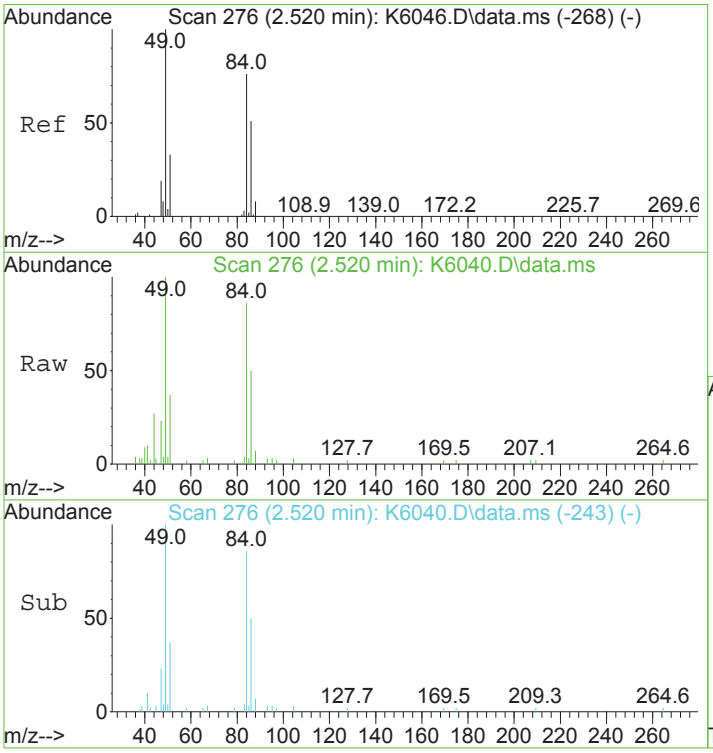
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6040.D
Acq On : 18 Sep 2024 11:12 am
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 12:22:28 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

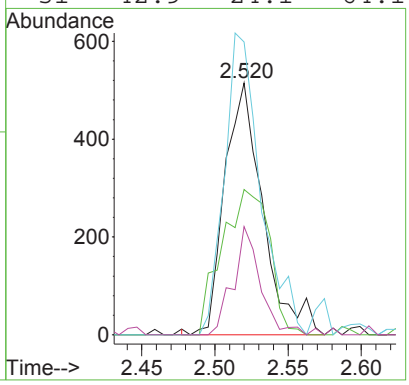




#22
Methylene Chloride
Concen: Below Cal m
RT: 2.520 min Scan# 276
Delta R.T. 0.001 min
Lab File: K6040.D
Acq: 18 Sep 2024 11:12 am

Tgt Ion: 84 Resp: 937

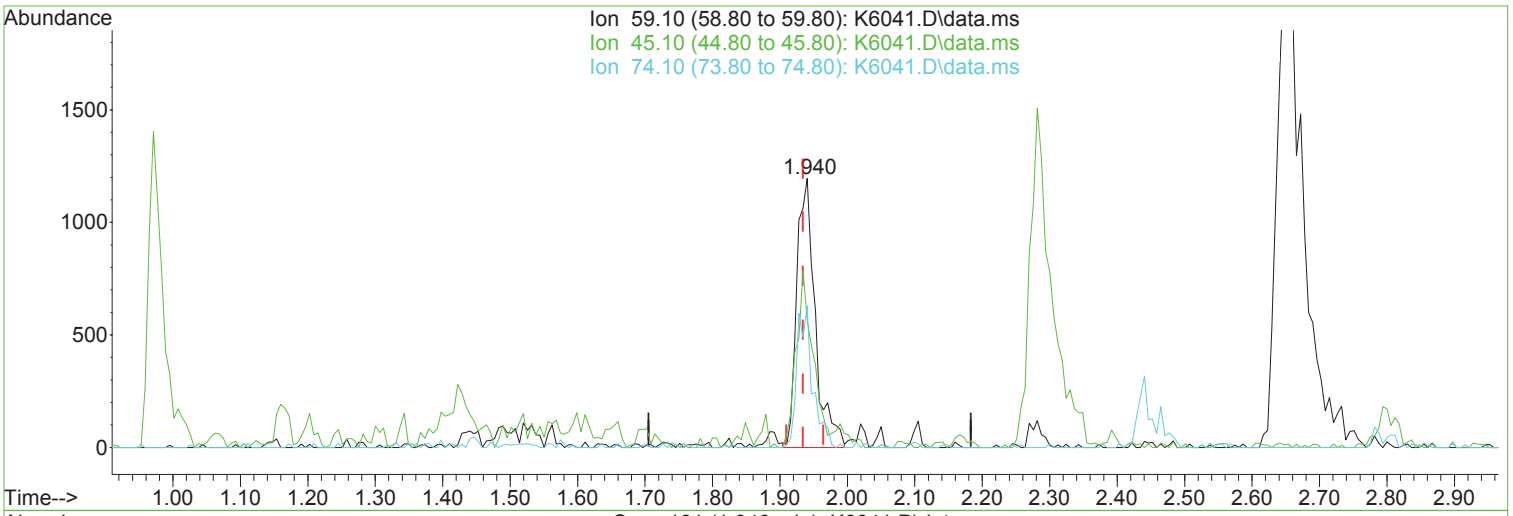
Ion	Ratio	Lower	Upper
84	100		
86	57.7	47.5	87.5
49	116.3	111.3	151.3
51	42.9	24.1	64.1

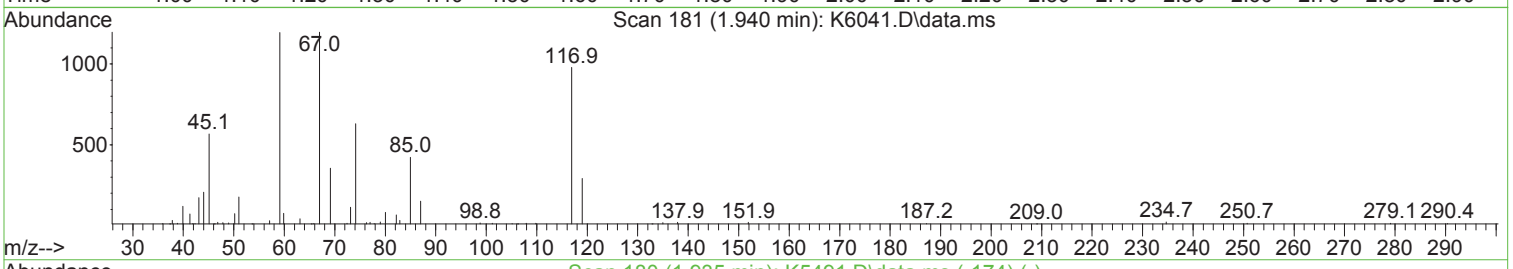


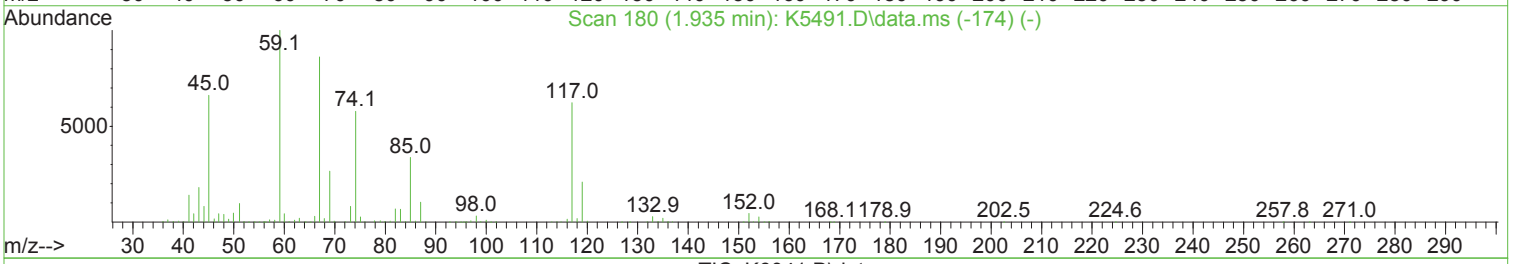
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(10) Diethyl Ether

1.940min (+ 0.006) 0.60 ug/L m

response 2249

Ion	Exp%	Act%
59.10	100.00	100.00
45.10	66.20	47.36
74.10	57.80	52.72
0.00	0.00	0.00

Manual Integration:

After

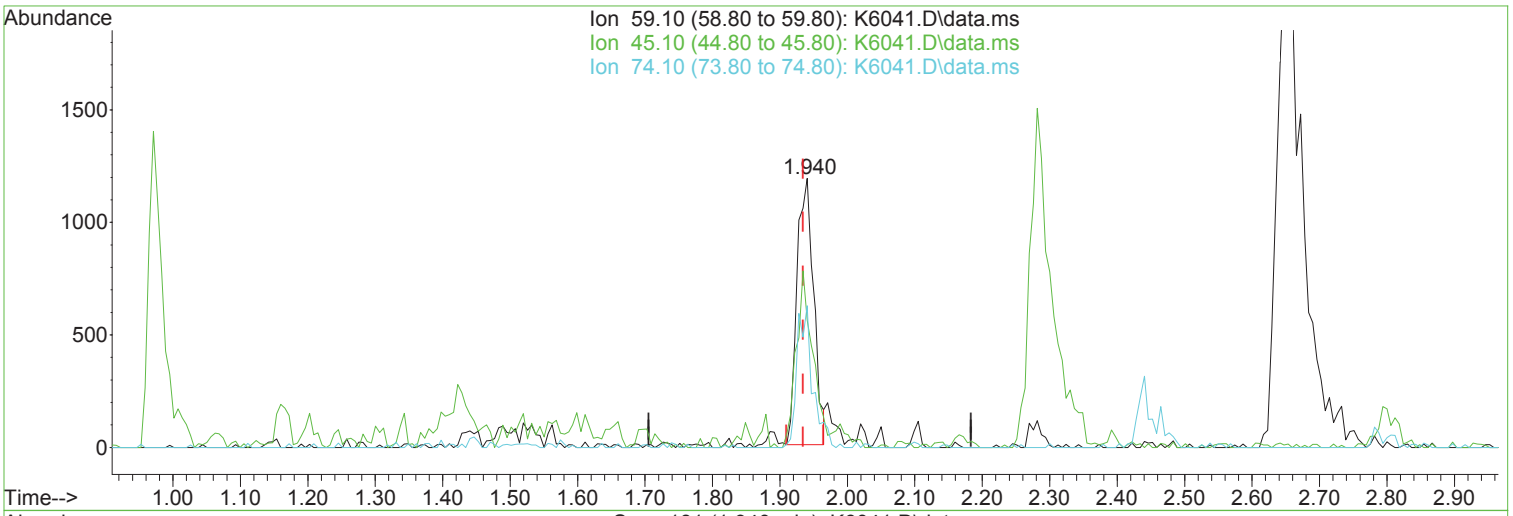
Poor integration.

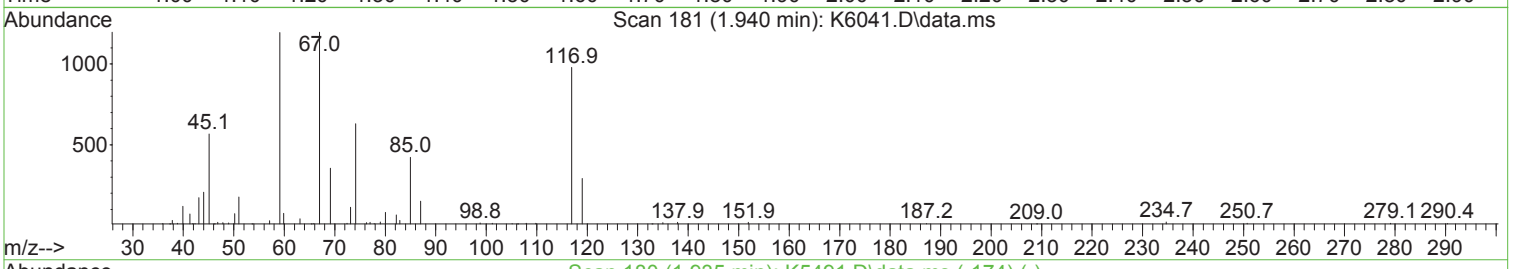
09/18/24

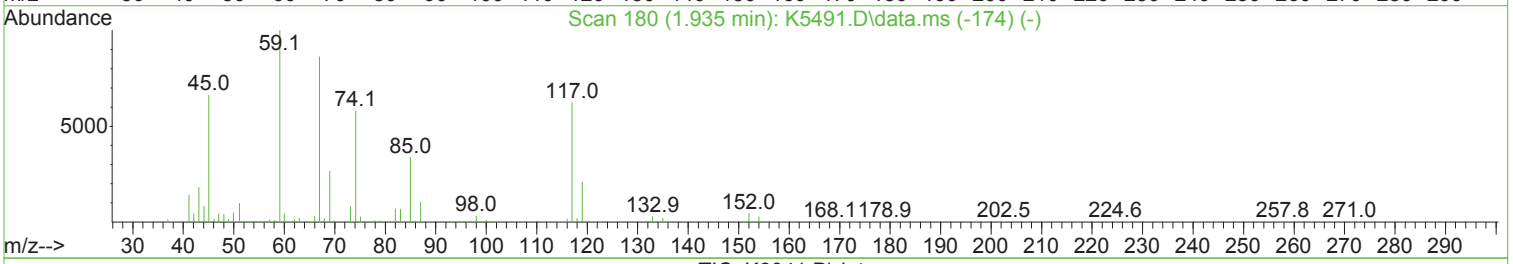
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(10) Diethyl Ether

1.940min (+ 0.006) 0.54 ug/L

response 2023

Ion	Exp%	Act%
59.10	100.00	100.00
45.10	66.20	47.36
74.10	57.80	52.72
0.00	0.00	0.00

Manual Integration:

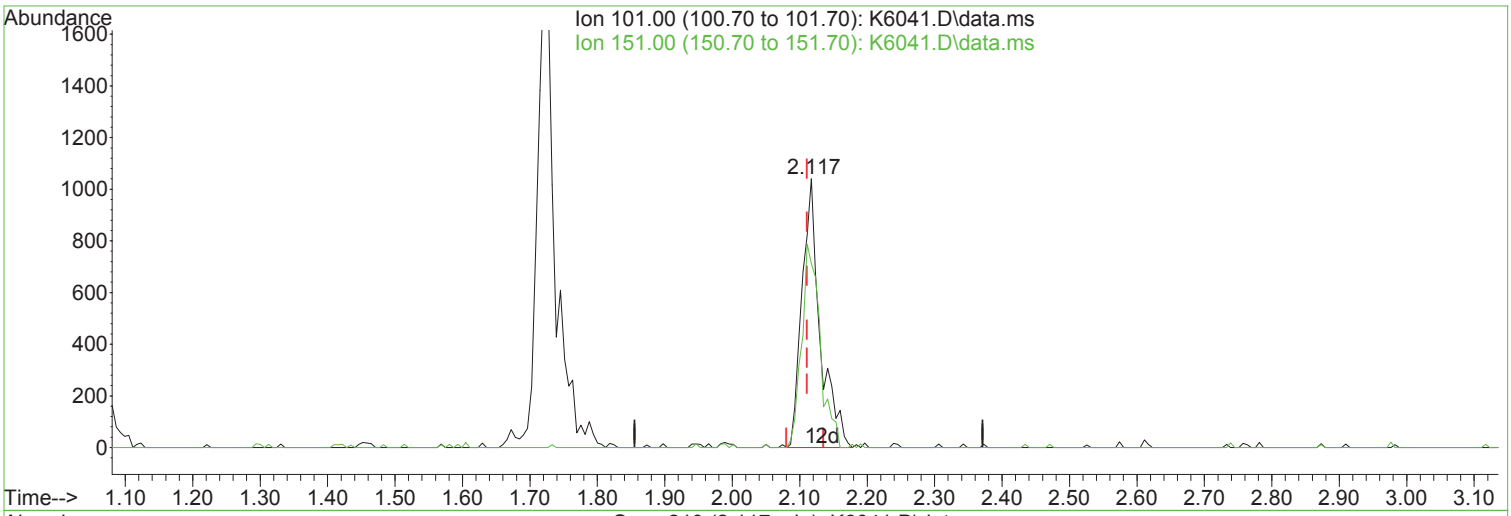
Before

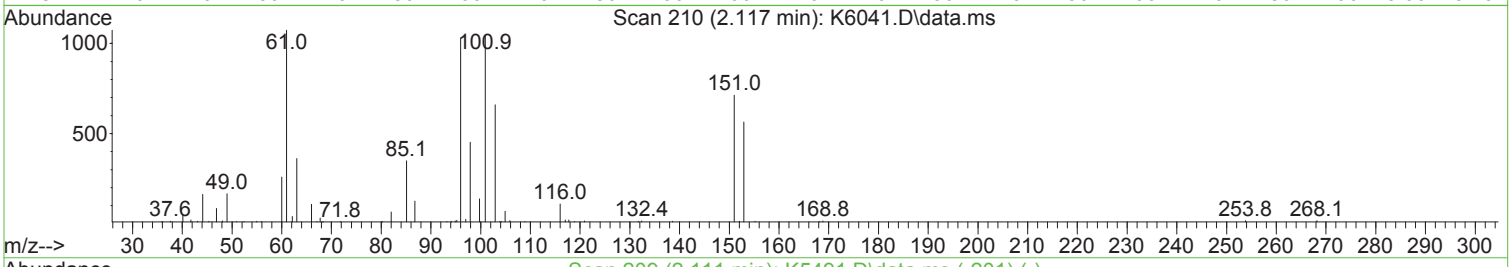
09/18/24

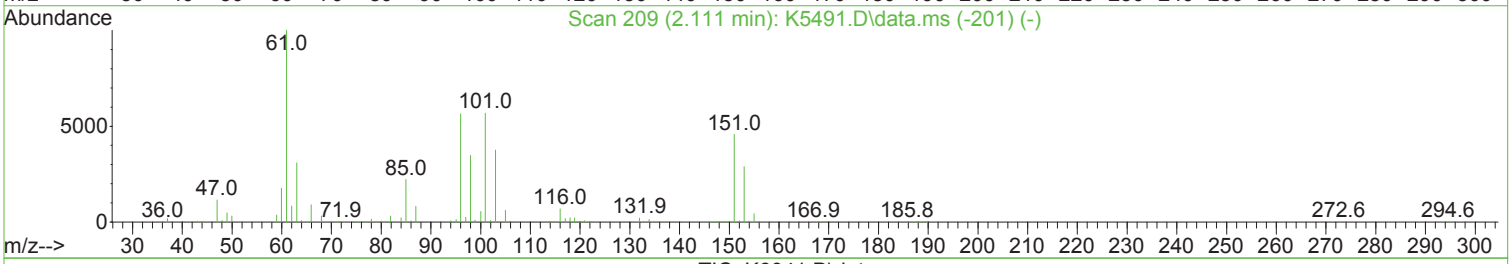
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(15) Freon 113 (P)

2.117min (+ 0.006) 0.56 ug/L m

response 1952

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	80.50	68.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

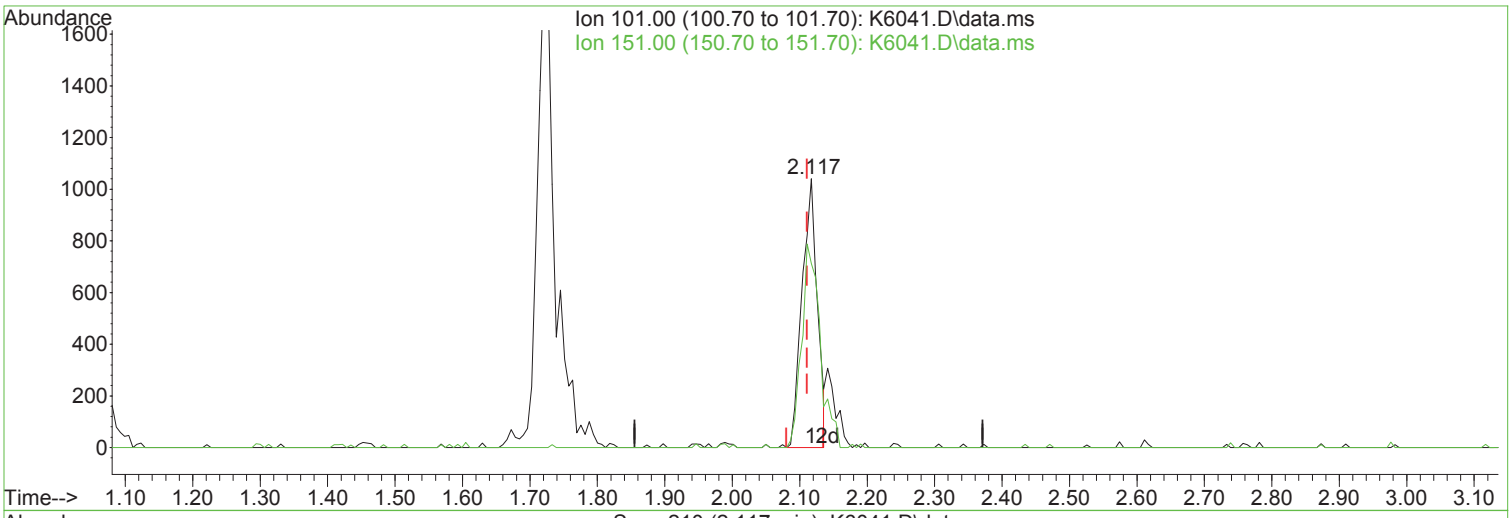
Split Peak.

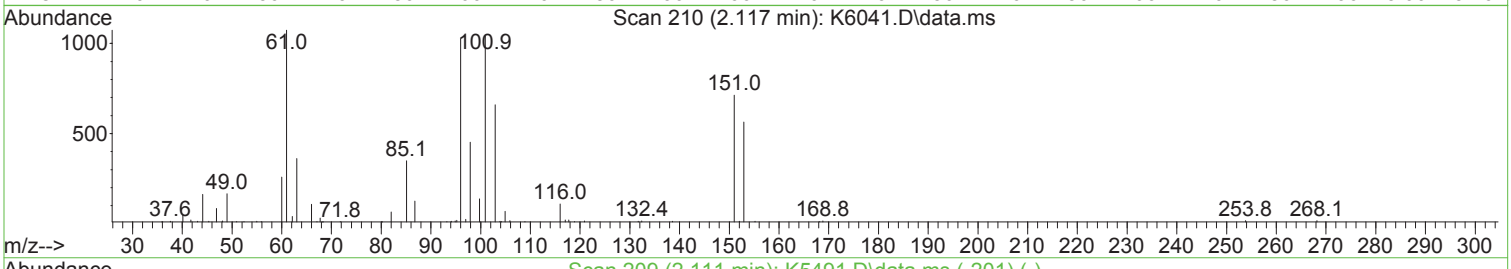
09/18/24

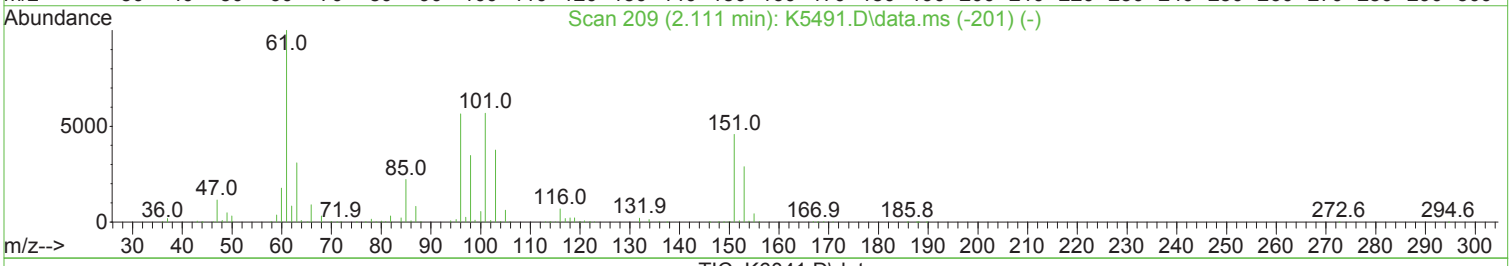
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(15) Freon 113 (P)

2.117min (+ 0.006) 0.47 ug/L

response 1636

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	80.50	68.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

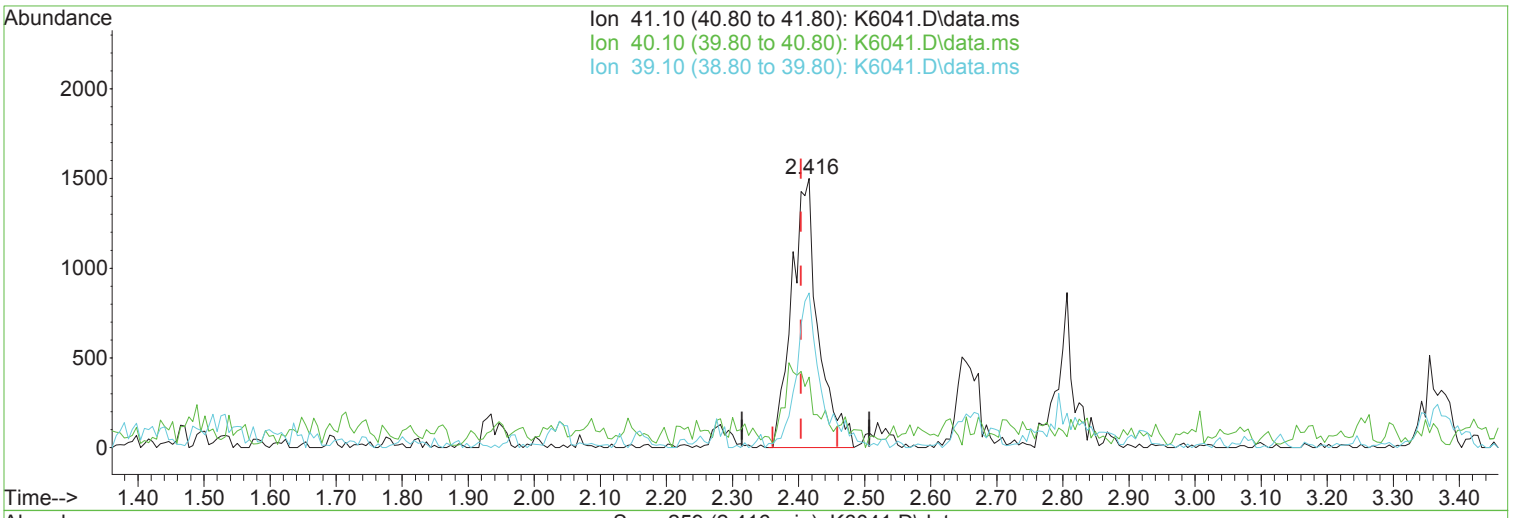
Before

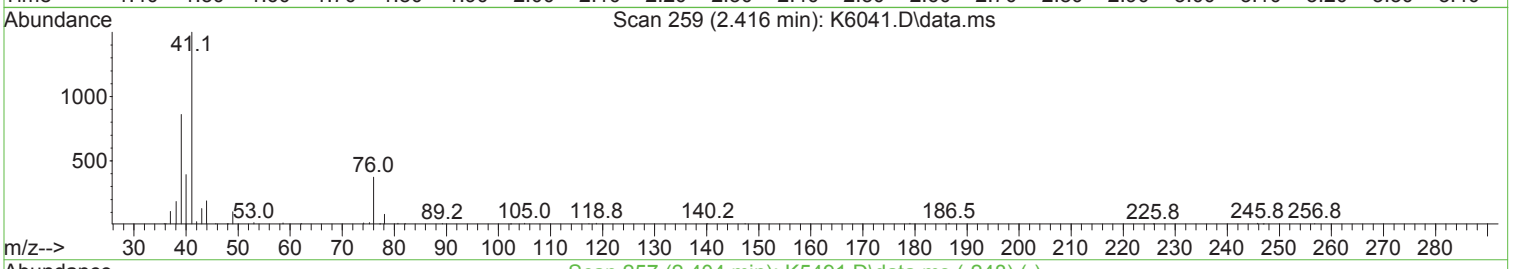
09/18/24

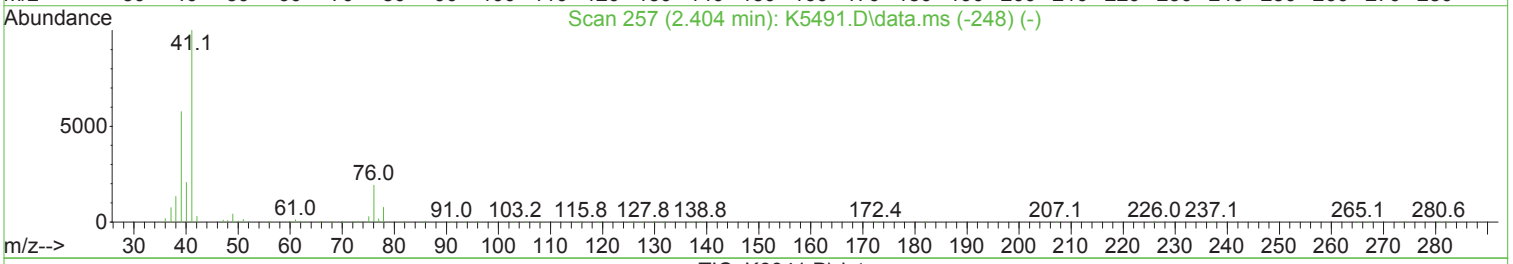
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(20) Acetonitrile/Allyl Chloride

2.416min (+ 0.012) 3.34 ug/L m

response 4161

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	20.90	26.20
39.10	57.60	57.40
0.00	0.00	0.00

Manual Integration:

After

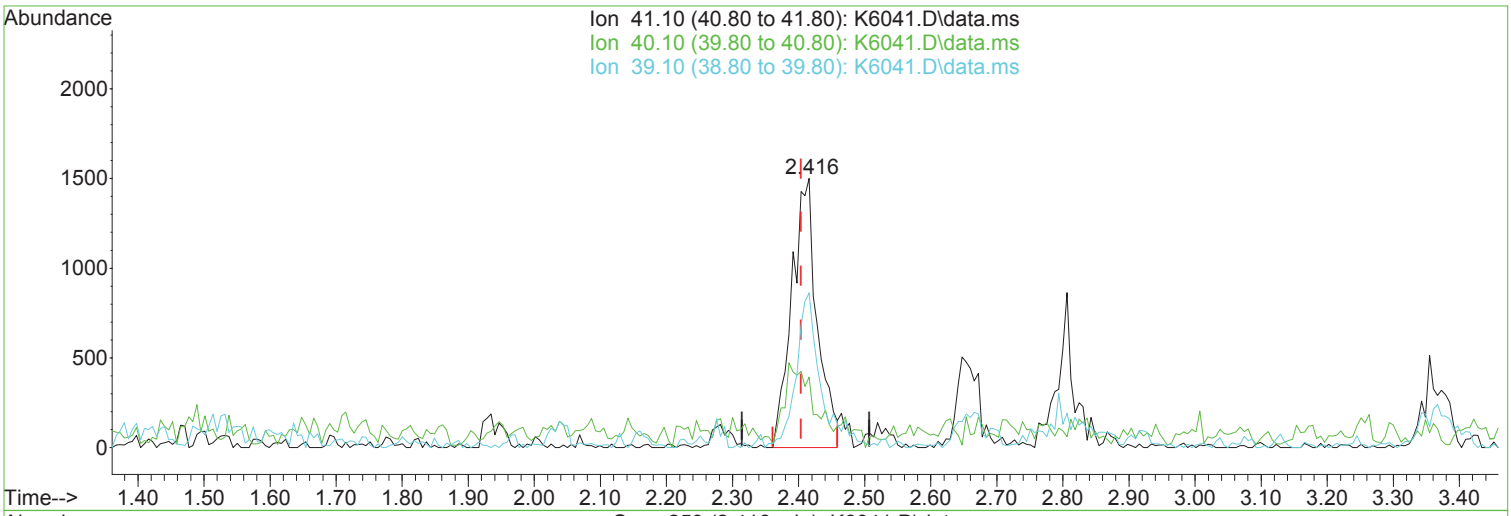
Poor integration.

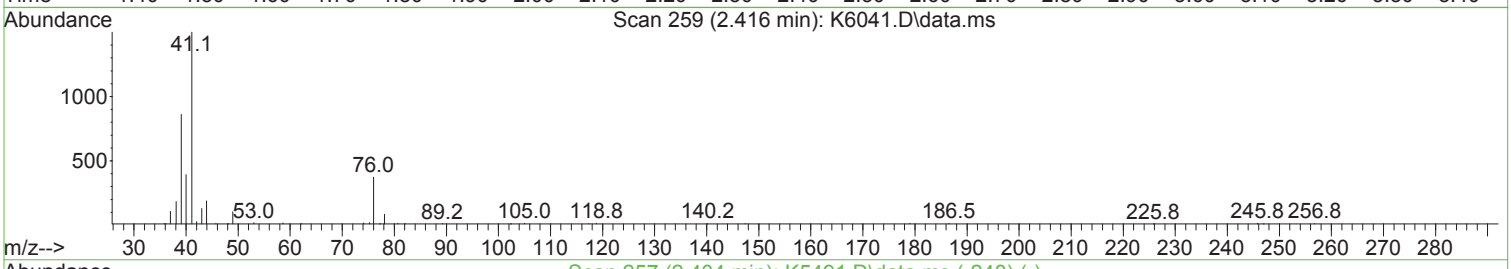
09/18/24

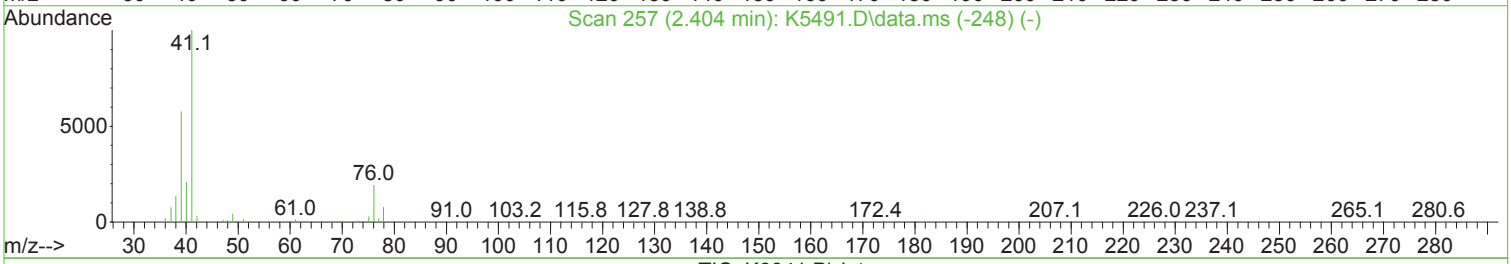
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(20) Acetonitrile/Allyl Chloride

2.416min (+ 0.012) 3.21 ug/L

response 4006

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	20.90	26.20
39.10	57.60	57.40
0.00	0.00	0.00

Manual Integration:

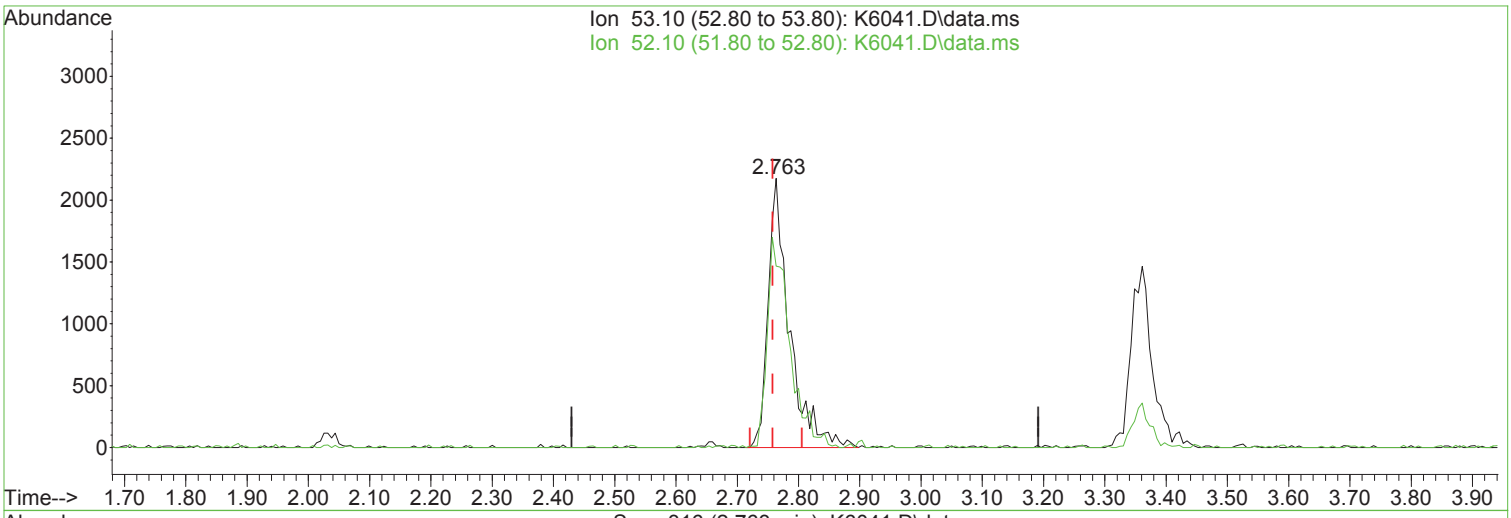
Before

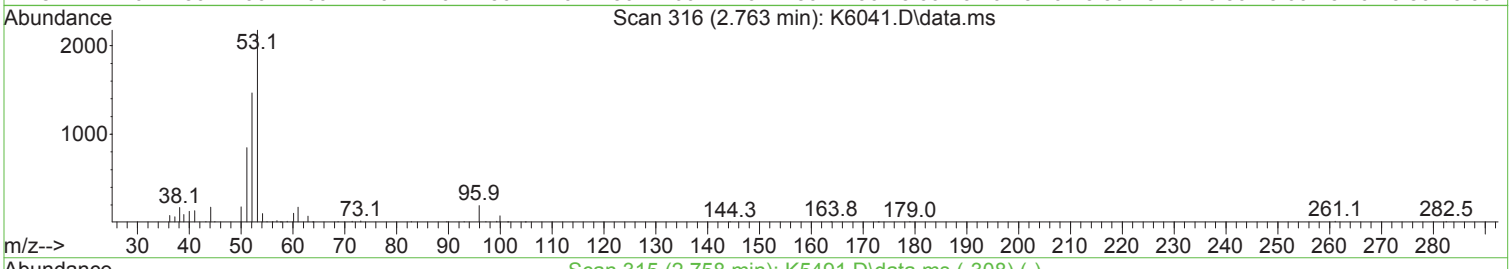
09/18/24

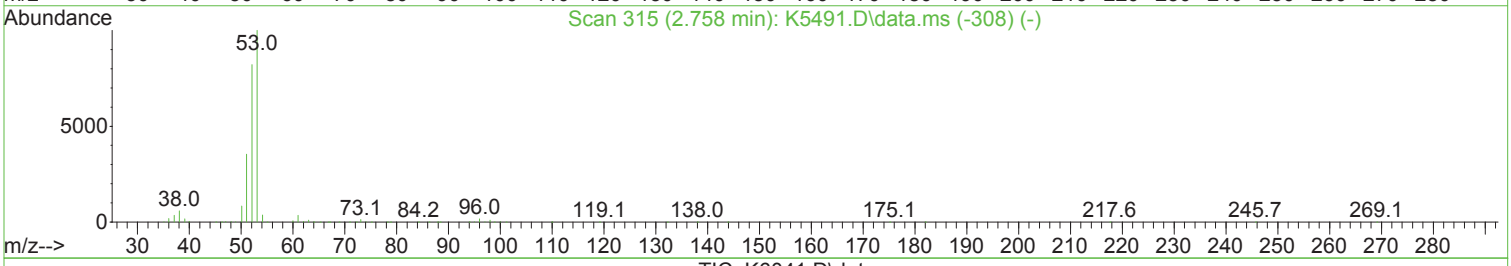
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(24) Acrylonitrile

2.763min (+ 0.006) 2.69 ug/L m

response 5243

Ion	Exp%	Act%
53.10	100.00	100.00
52.10	82.20	67.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

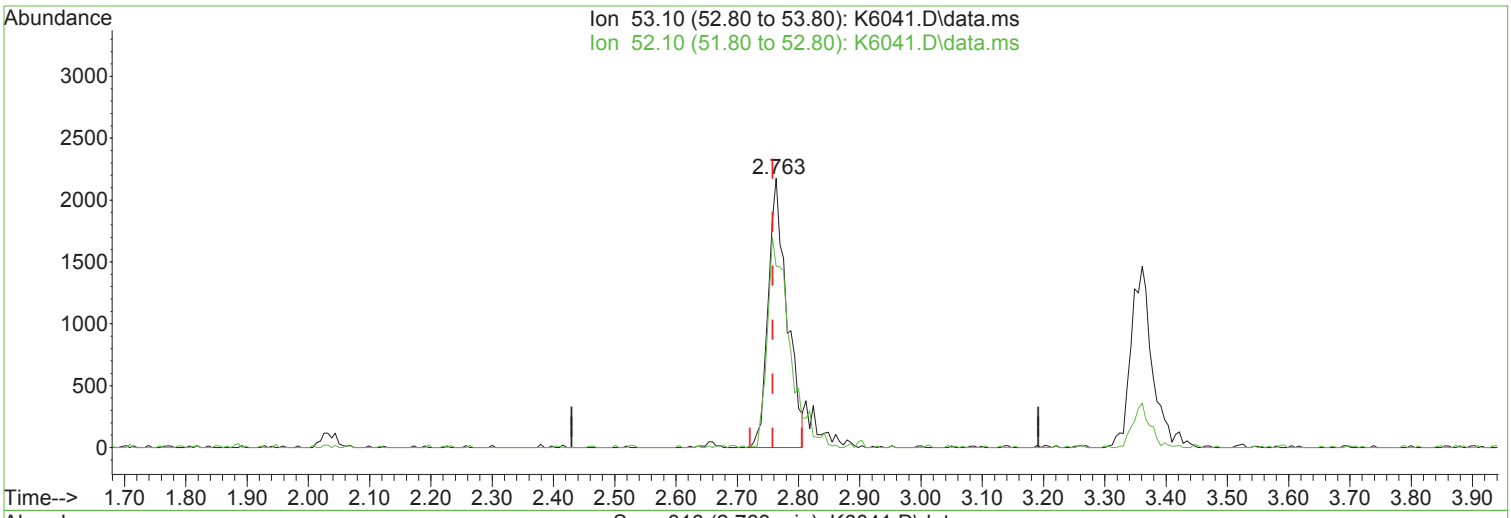
Poor integration.

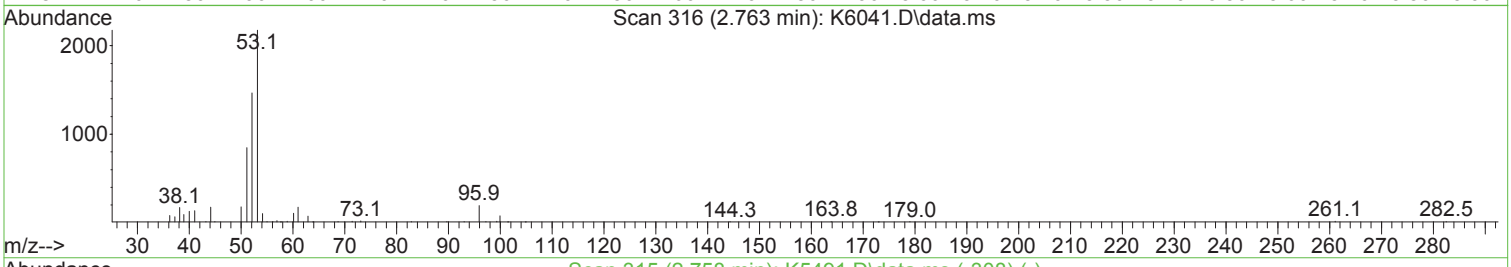
09/18/24

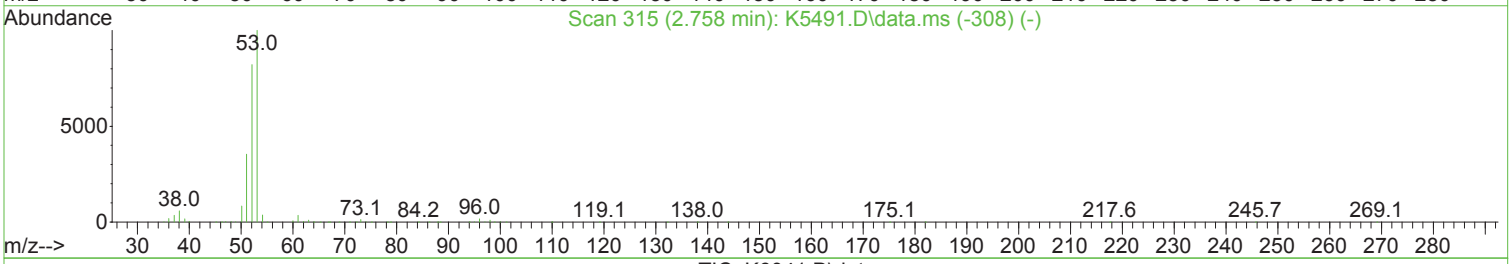
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(24) Acrylonitrile

2.763min (+ 0.006) 2.38 ug/L

response 4637

Ion	Exp%	Act%
53.10	100.00	100.00
52.10	82.20	67.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

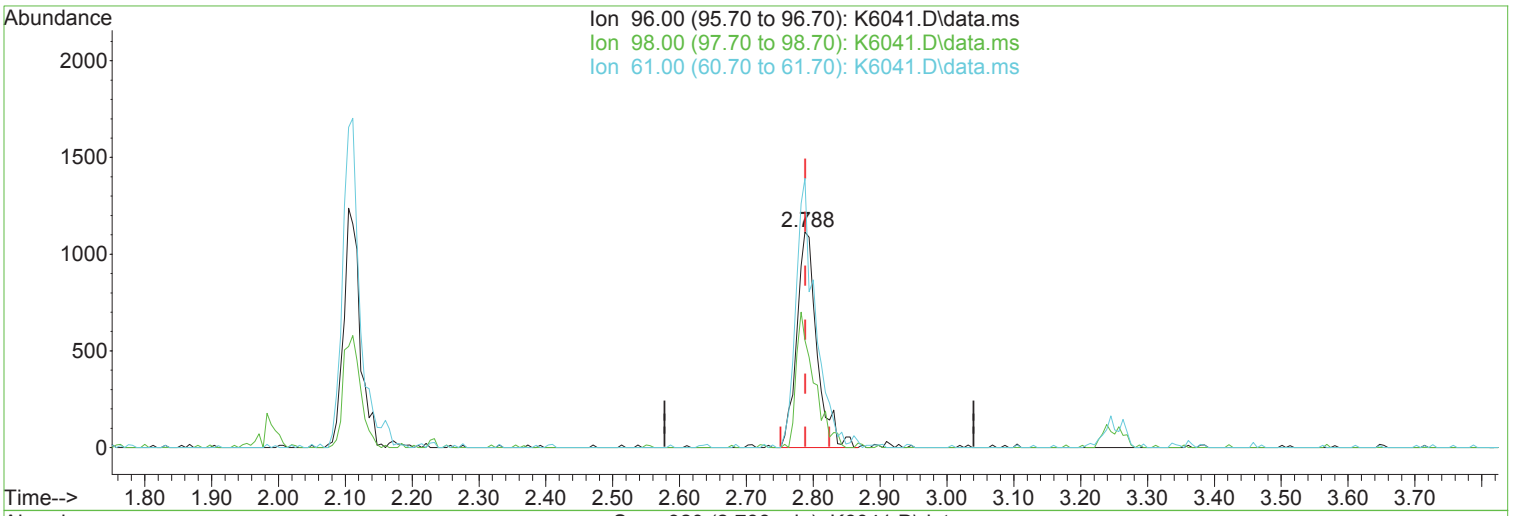
Before

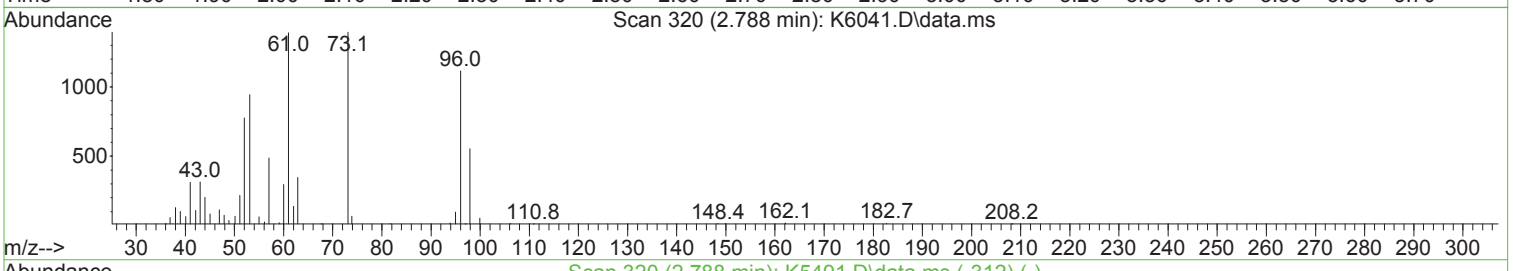
09/18/24

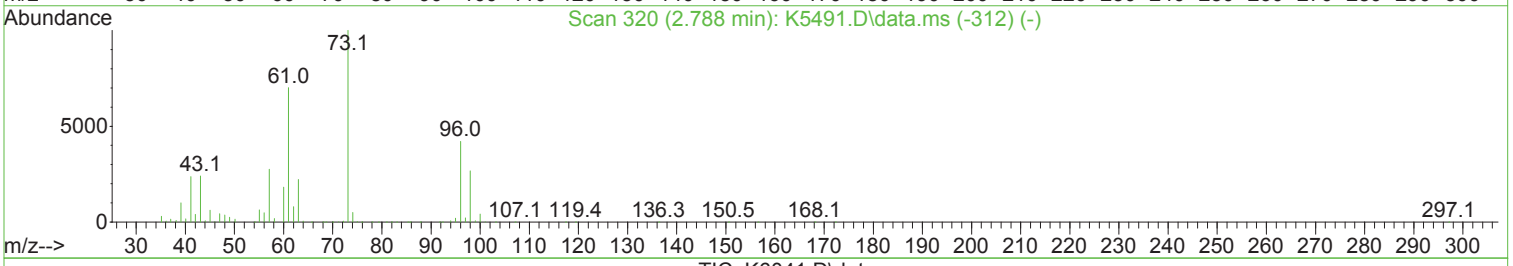
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

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

2.788min (-0.000) 0.62 ug/L m

response 2349

Ion	Exp%	Act%
96.00	100.00	100.00
98.00	63.20	49.69
61.00	166.20	124.75#
0.00	0.00	0.00

Manual Integration:

After

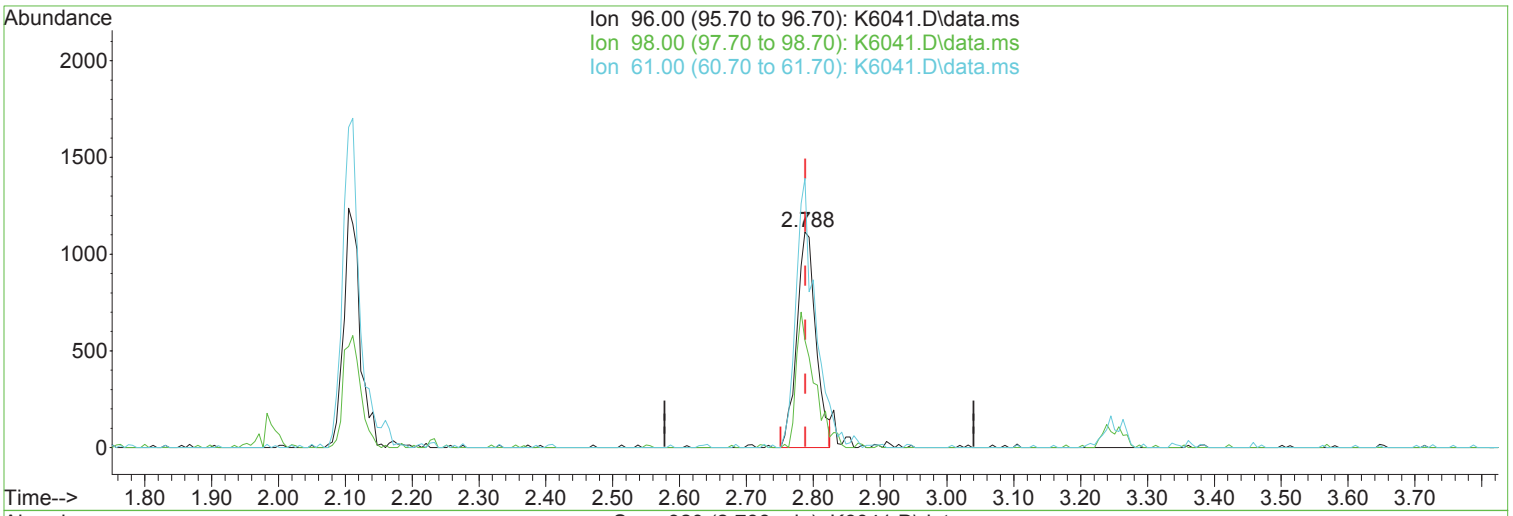
Poor integration.

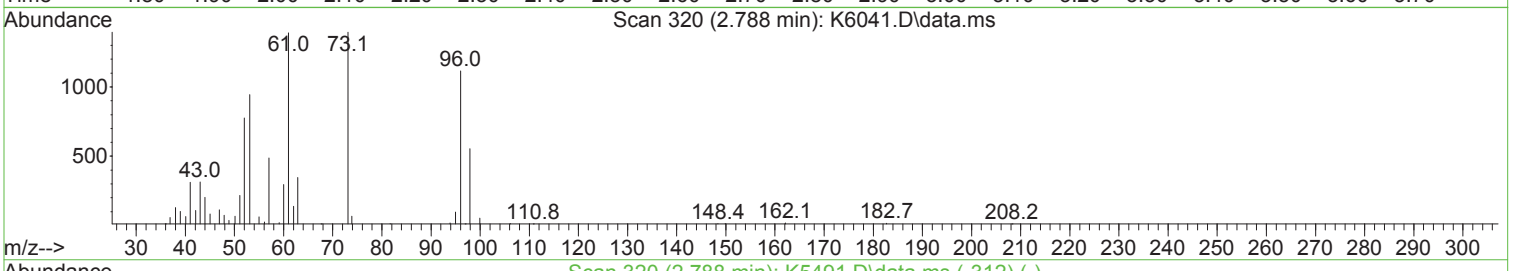
09/18/24

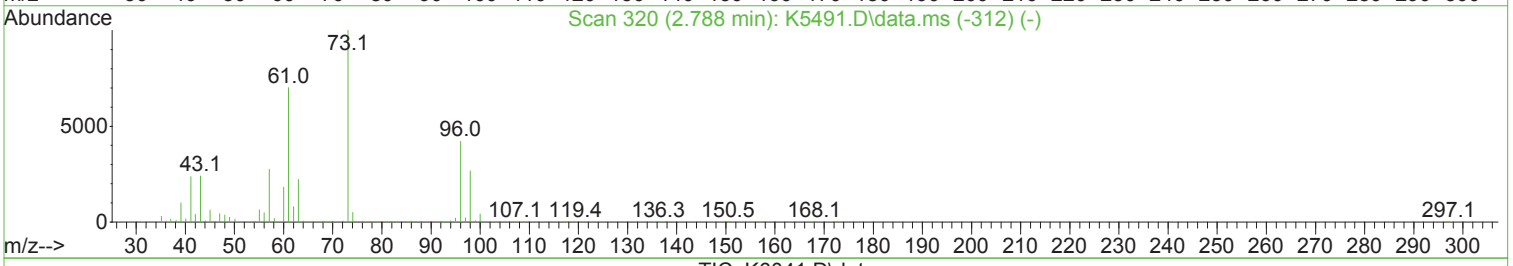
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

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

2.788min (-0.000) 0.58 ug/L

response 2225

Ion	Exp%	Act%
96.00	100.00	100.00
98.00	63.20	49.69
61.00	166.20	124.75#
0.00	0.00	0.00

Manual Integration:

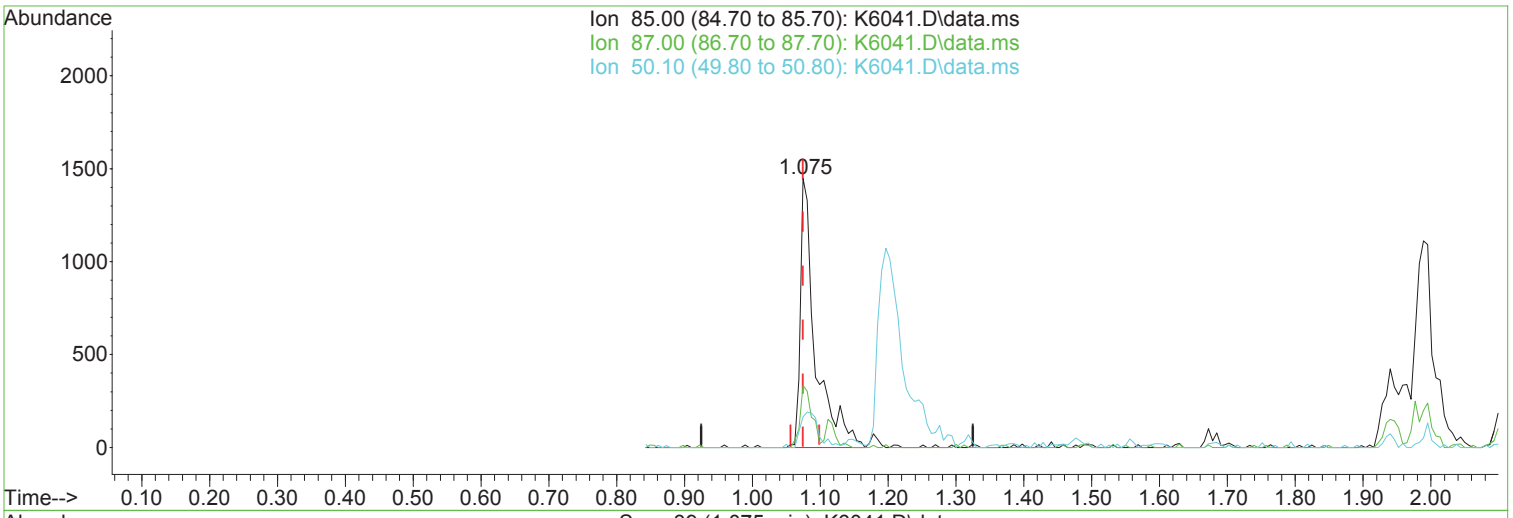
Before

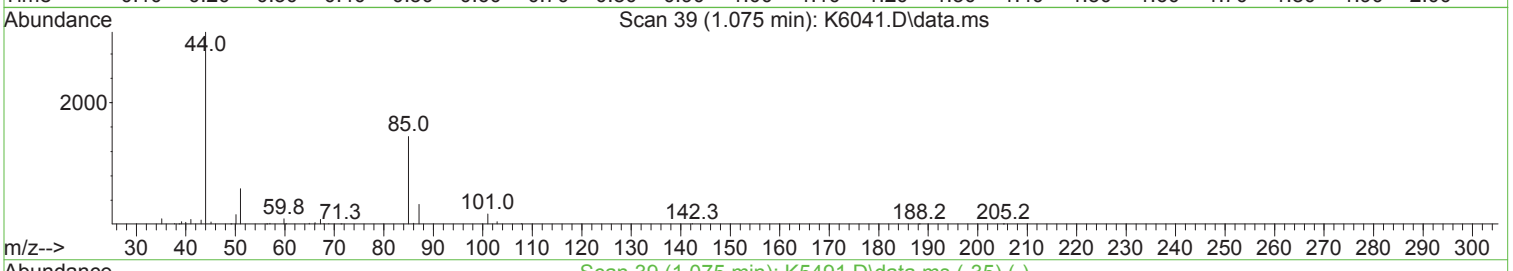
09/18/24

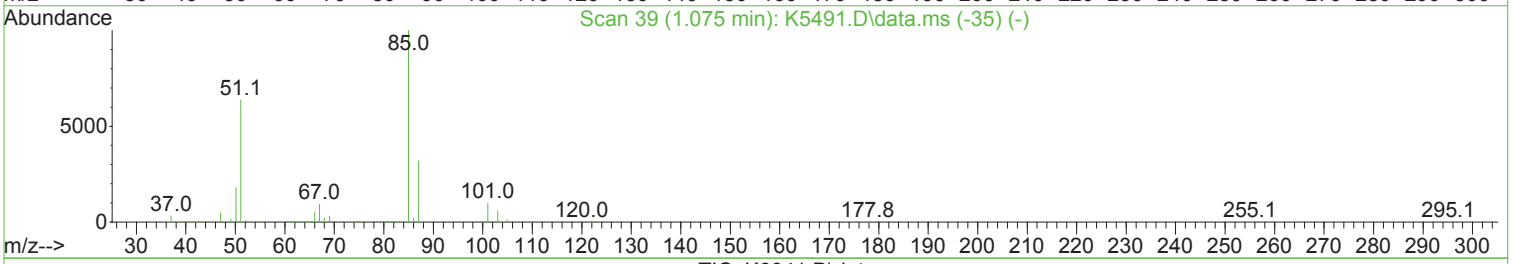
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(3) Dichlorodifluoromethane (P)

1.075min (-0.000) 0.62 ug/L m

response 2226

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.90	23.08
50.10	17.90	11.40
0.00	0.00	0.00

Manual Integration:

After

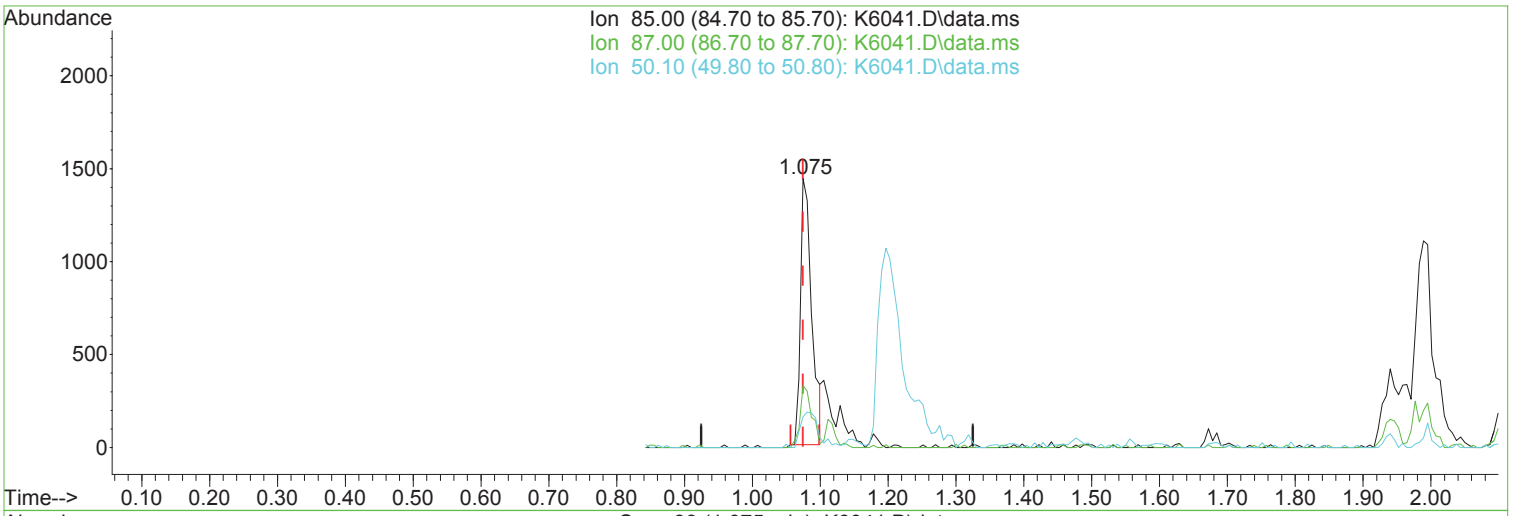
Split Peak.

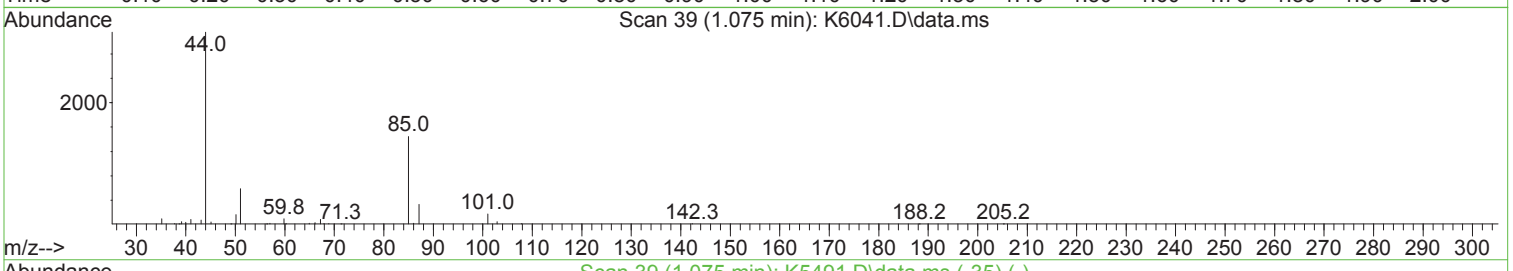
09/18/24

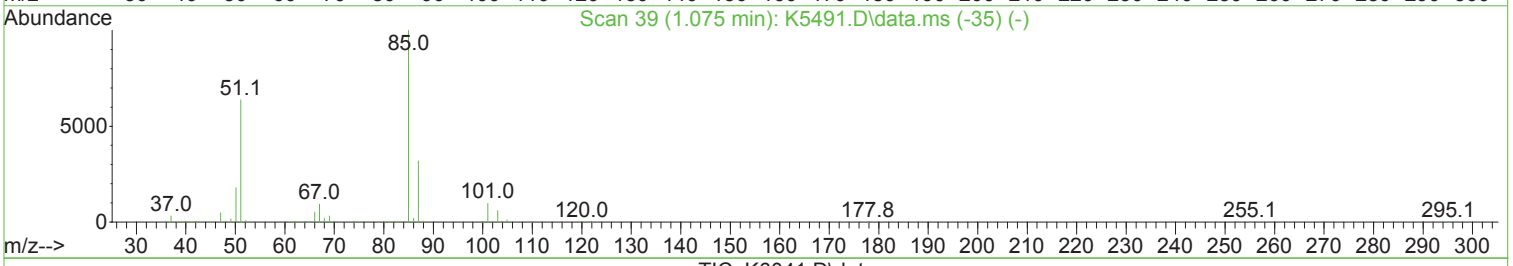
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(3) Dichlorodifluoromethane (P)

1.075min (-0.000) 0.46 ug/L

response 1643

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.90	23.08
50.10	17.90	11.40
0.00	0.00	0.00

Manual Integration:

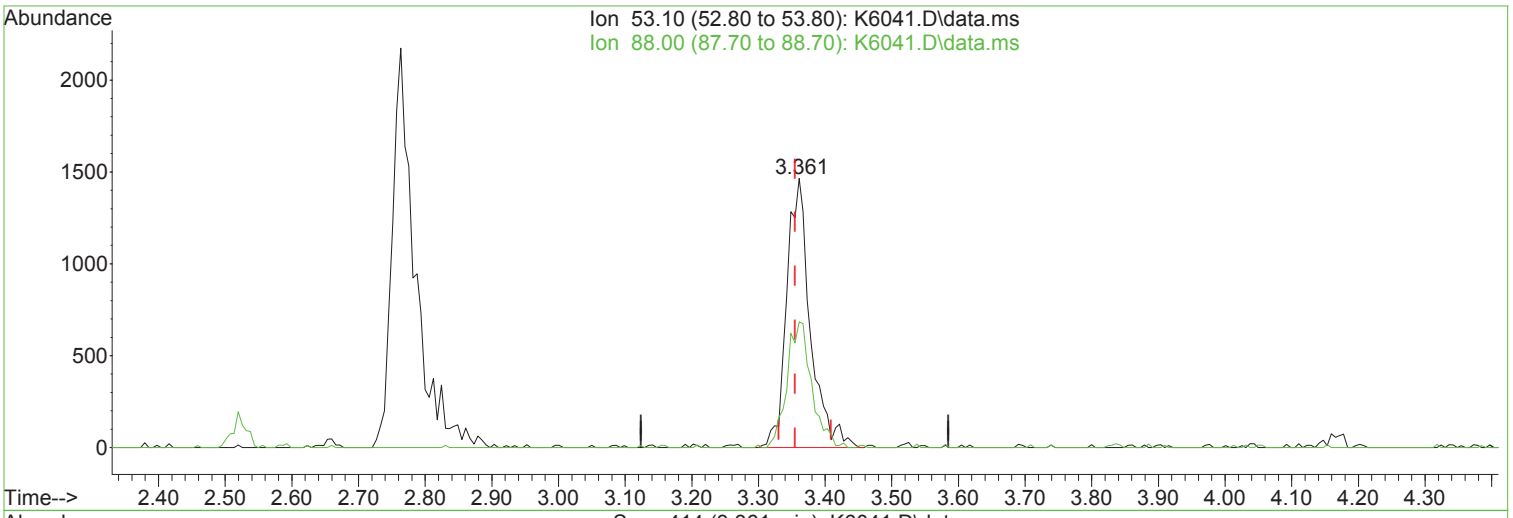
Before

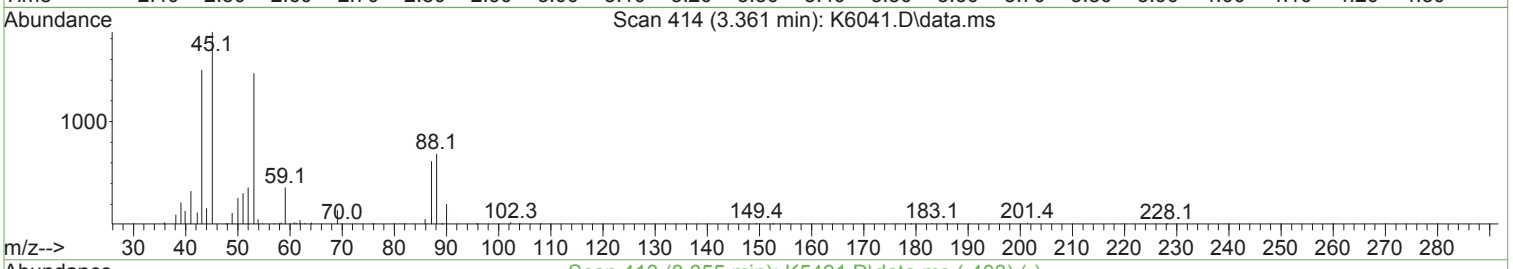
09/18/24

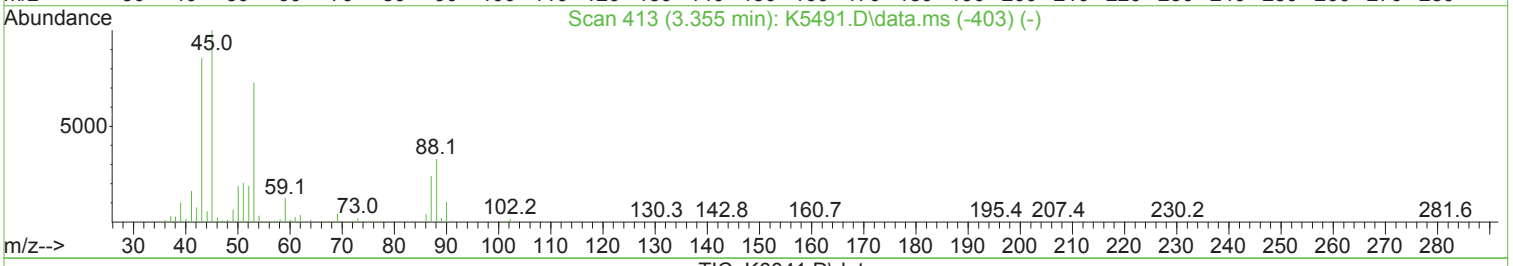
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
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Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.361min (+ 0.006) 0.58 ug/L m

response 3603

Ion	Exp%	Act%
53.10	100.00	100.00
88.00	45.10	46.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

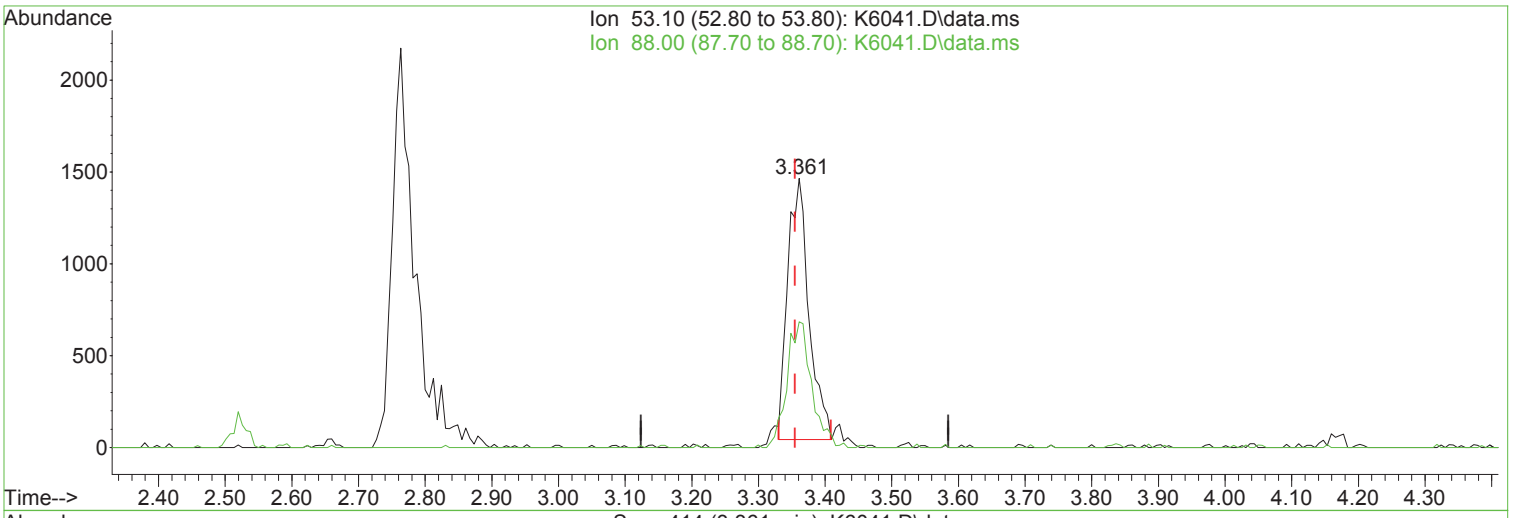
Poor integration.

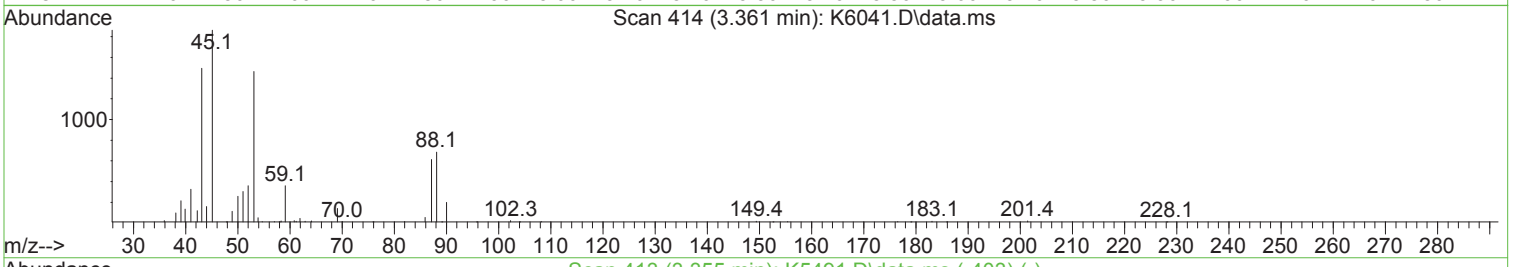
09/18/24

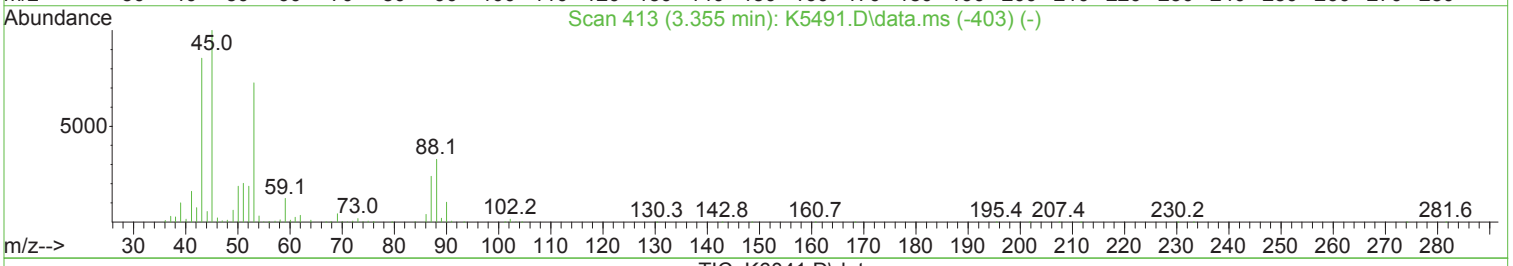
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.361min (+ 0.006) 0.51 ug/L

response 3132

Ion	Exp%	Act%
53.10	100.00	100.00
88.00	45.10	46.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

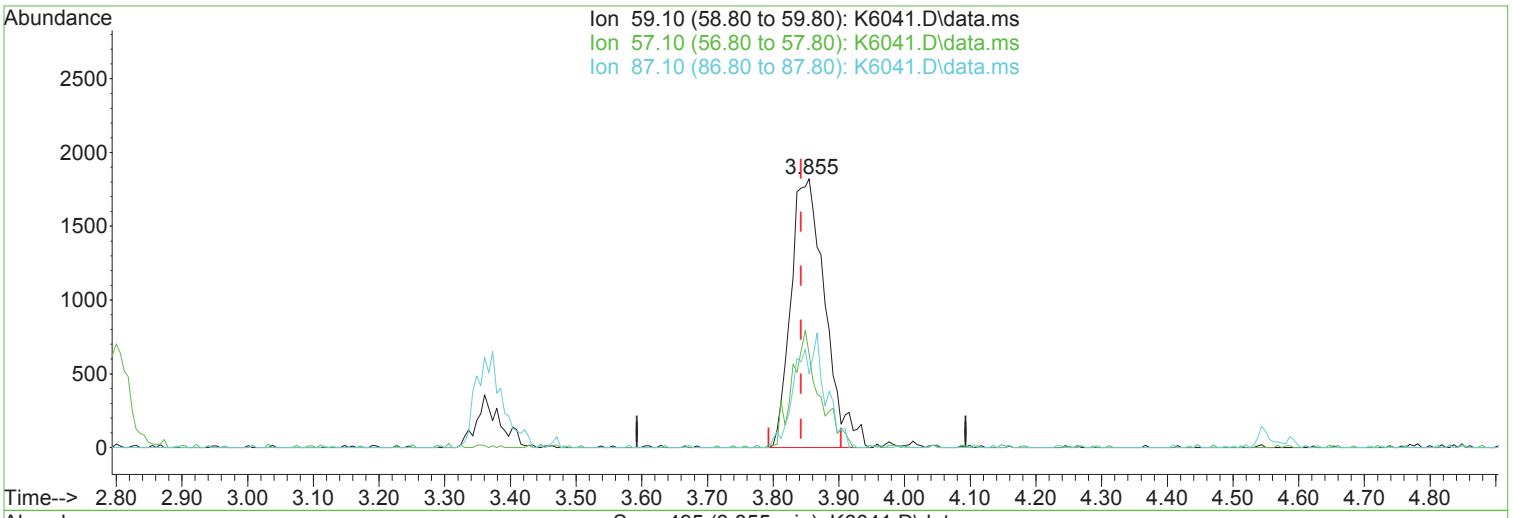
Before

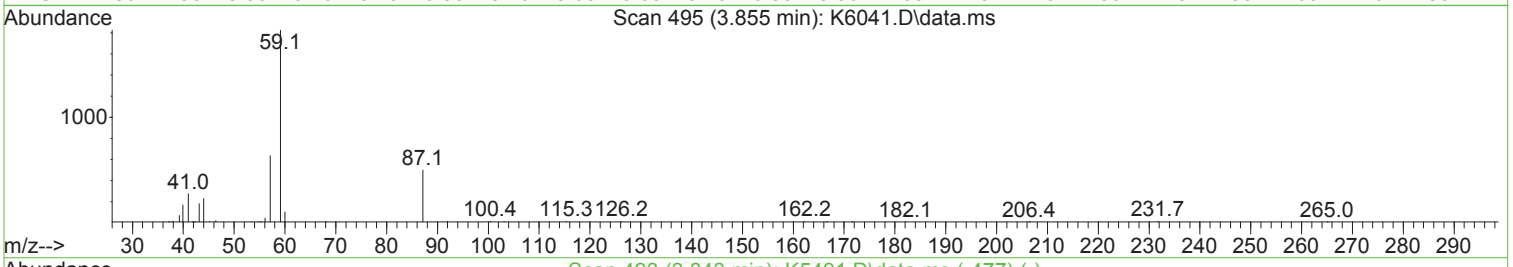
09/18/24

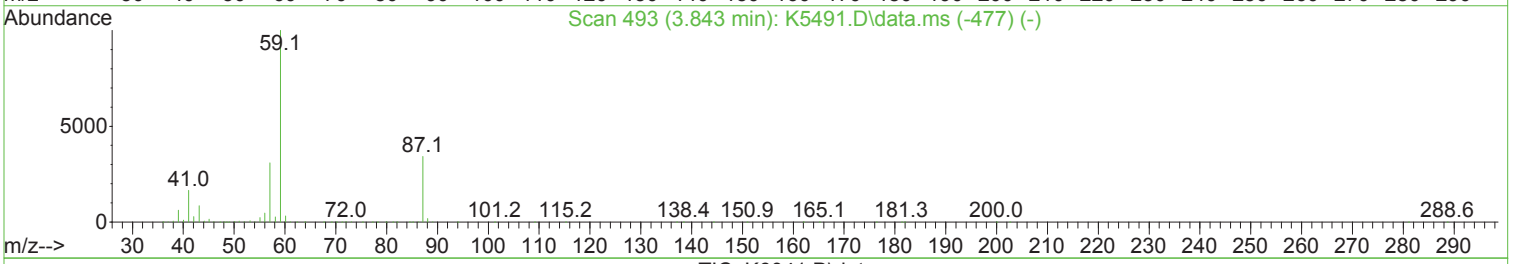
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
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Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(31) ETBE

3.855min (+ 0.012) 0.52 ug/L m

response 6605

Ion	Exp%	Act%
59.10	100.00	100.00
57.10	30.90	34.89
87.10	34.10	27.43
0.00	0.00	0.00

Manual Integration:

After

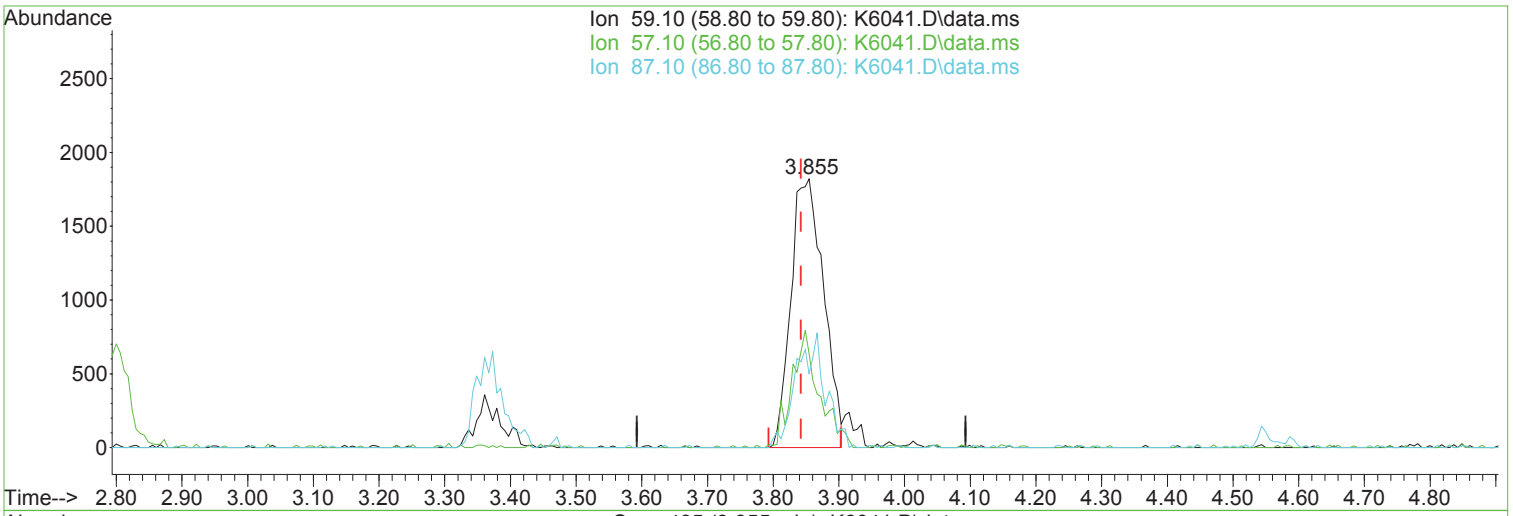
Poor integration.

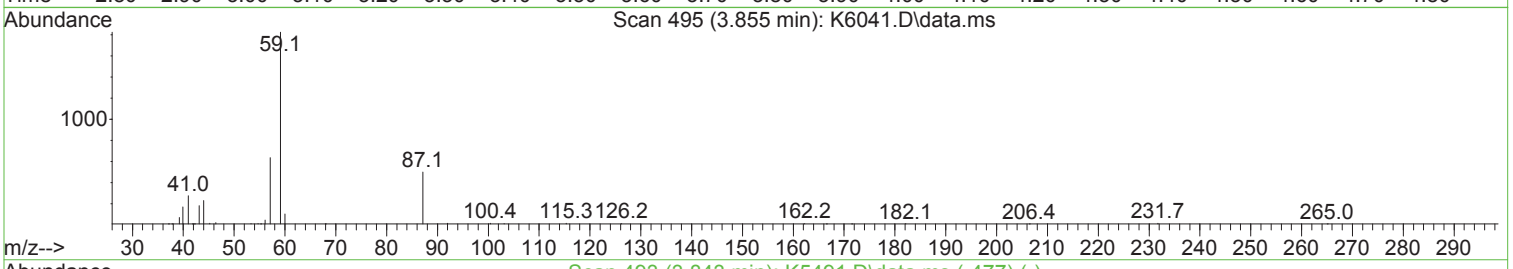
09/18/24

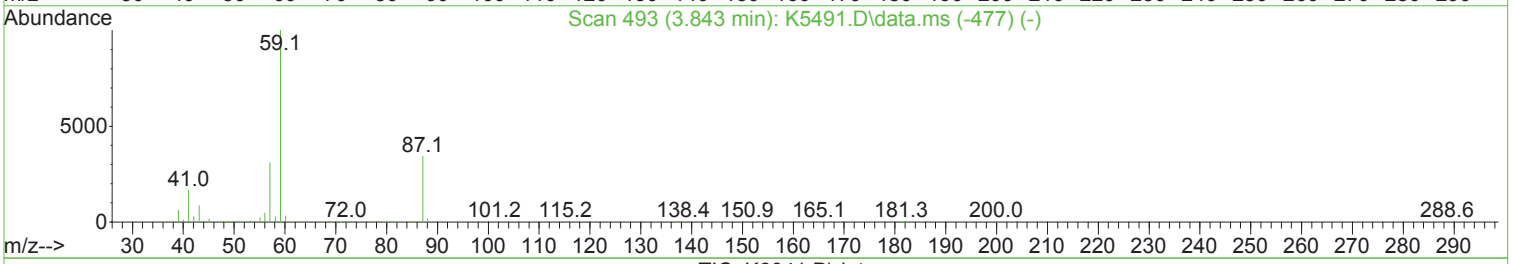
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(31) ETBE **Manual Integration:**

3.855min (+ 0.012) 0.49 ug/L **Before**

response 6285

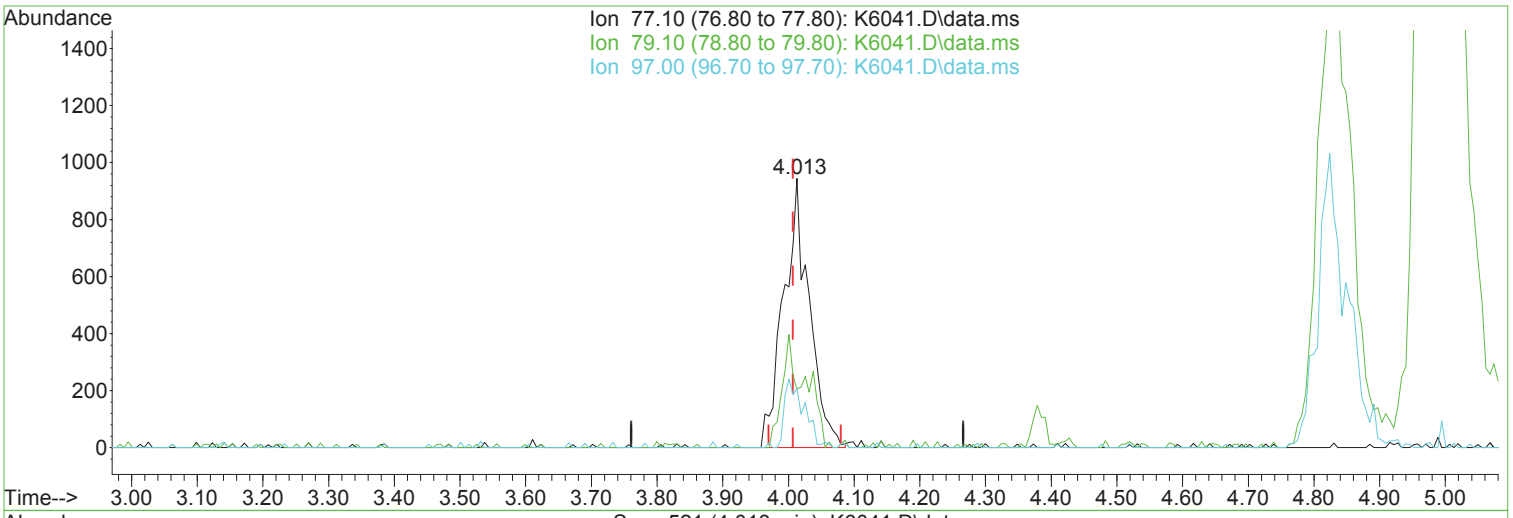
Ion	Exp%	Act%
59.10	100.00	100.00
57.10	30.90	34.89
87.10	34.10	27.43
0.00	0.00	0.00

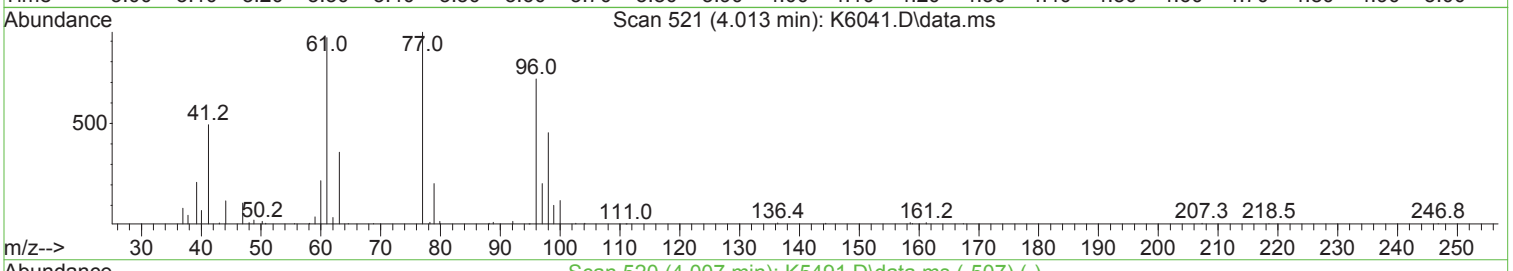
09/18/24

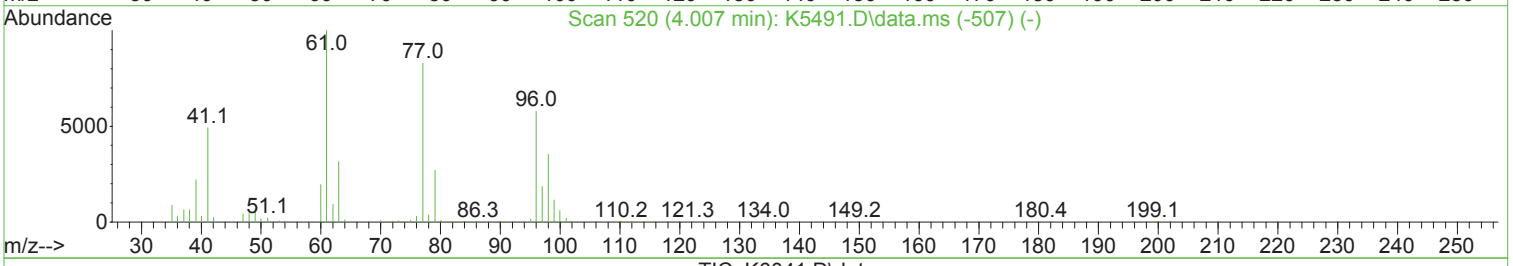
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(32) 2,2-Dichloropropane

4.013min (+ 0.006) 0.53 ug/L m

response 2556

Ion	Exp%	Act%
77.10	100.00	100.00
79.10	32.70	21.82
97.00	22.40	21.93
0.00	0.00	0.00

Manual Integration:

After

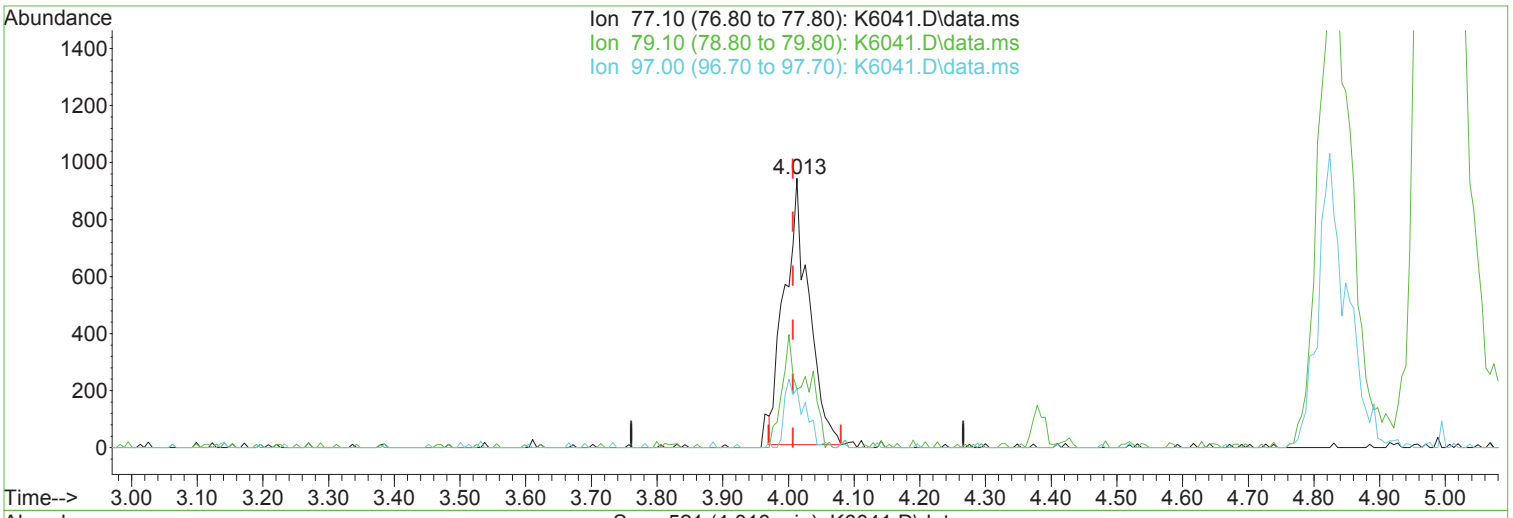
Poor integration.

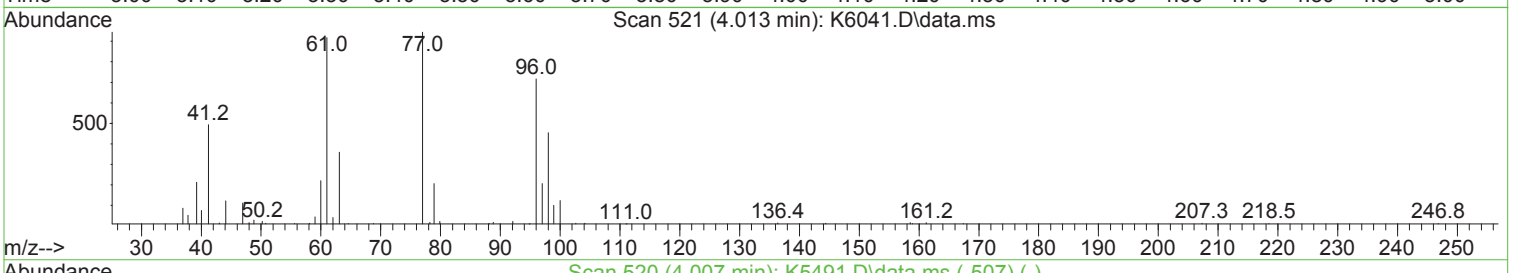
09/18/24

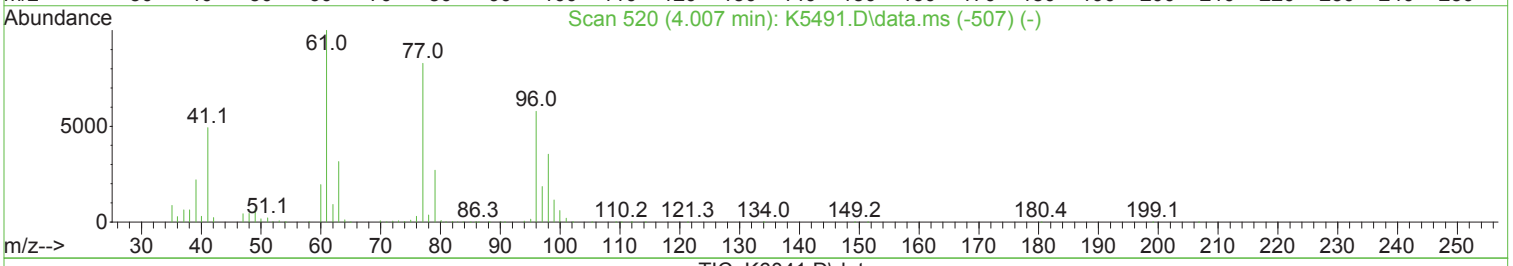
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(32) 2,2-Dichloropropane

4.013min (+ 0.006) 0.50 ug/L

response 2402

Ion	Exp%	Act%
77.10	100.00	100.00
79.10	32.70	21.82
97.00	22.40	21.93
0.00	0.00	0.00

Manual Integration:

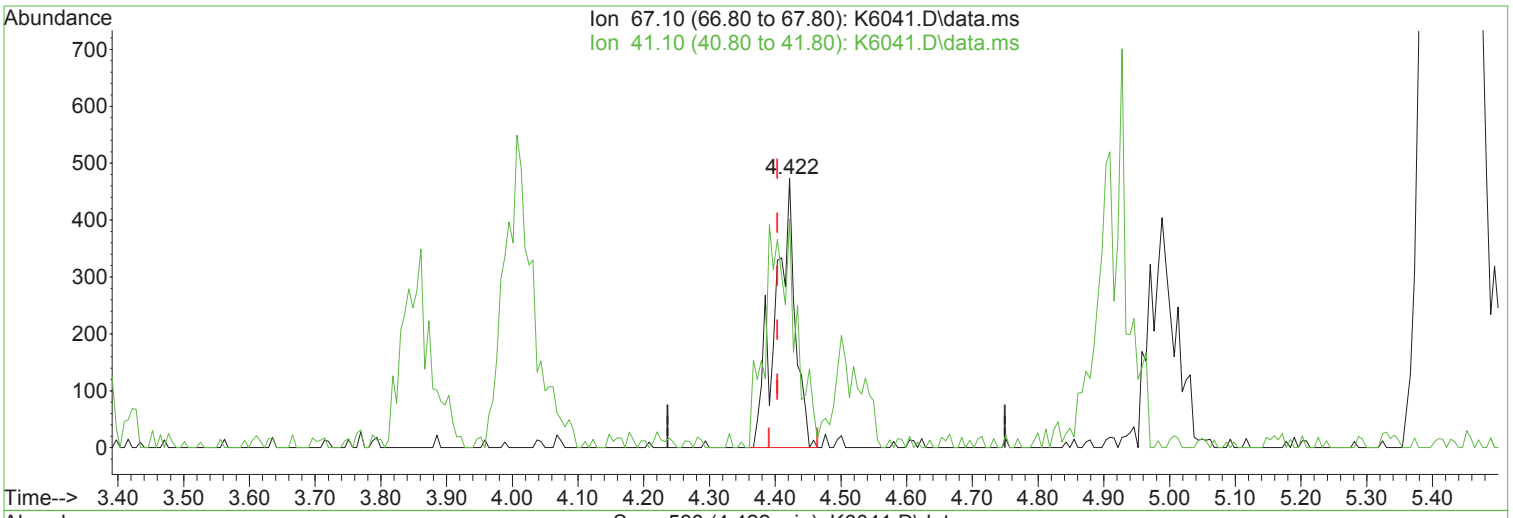
Before

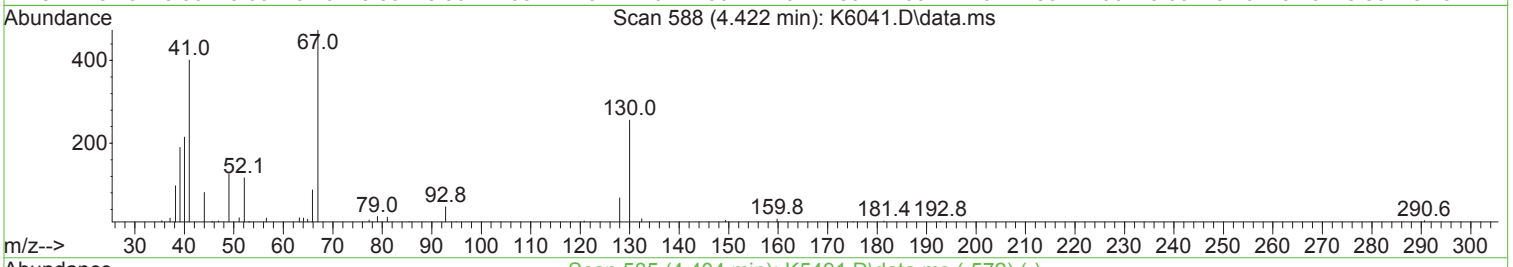
09/18/24

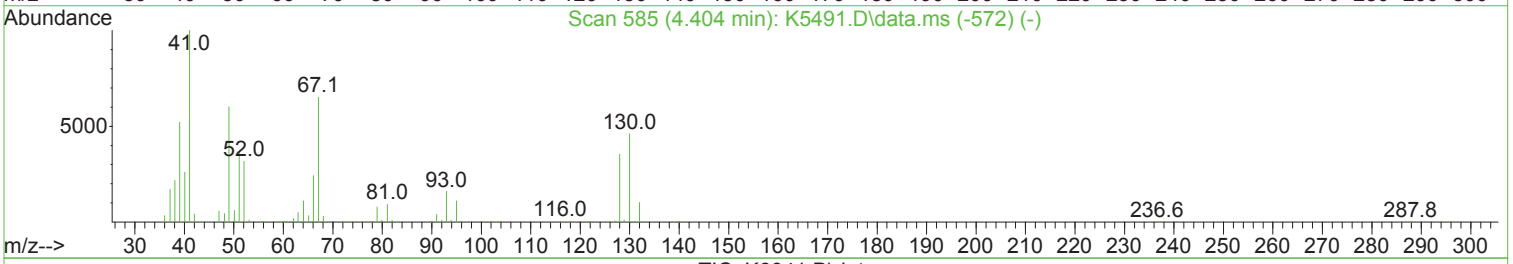
Quantitation Report (Qedit)

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Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(37) Methacrylonitrile

4.422min (+ 0.018) 0.53 ug/L m

response 991

Ion	Exp%	Act%
67.10	100.00	100.00
41.10	154.00	84.78#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

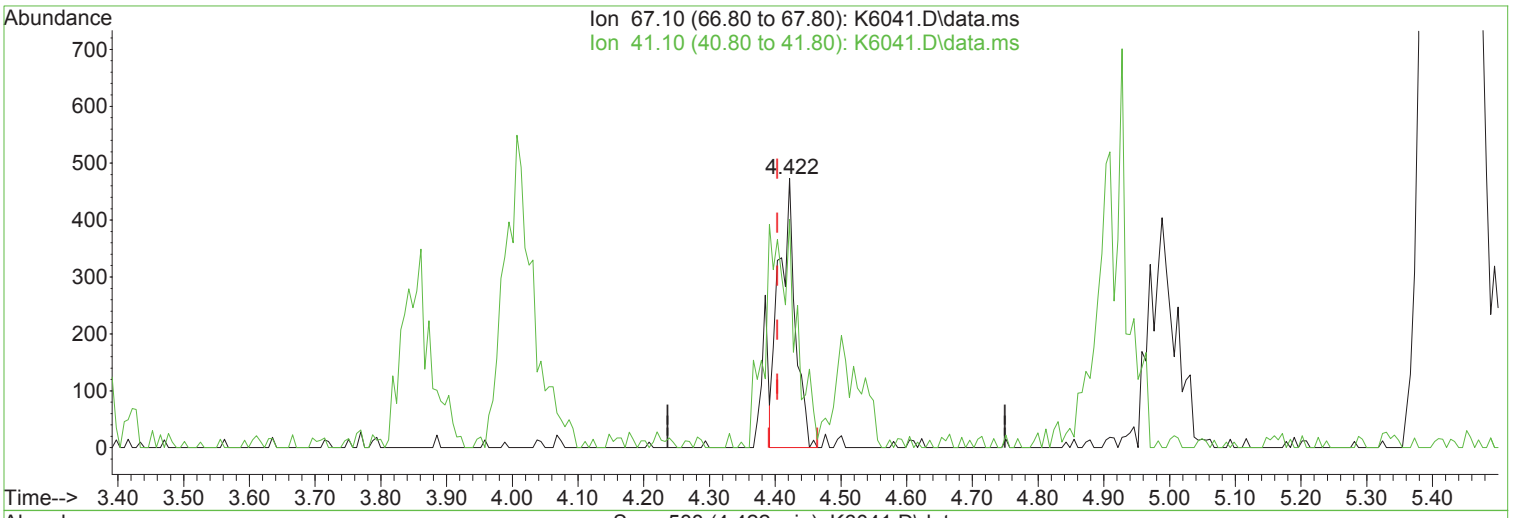
Split Peak.

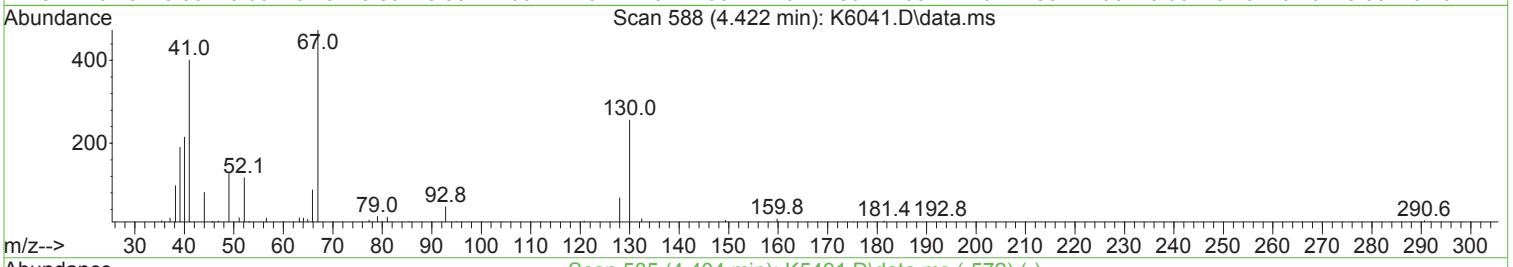
09/18/24

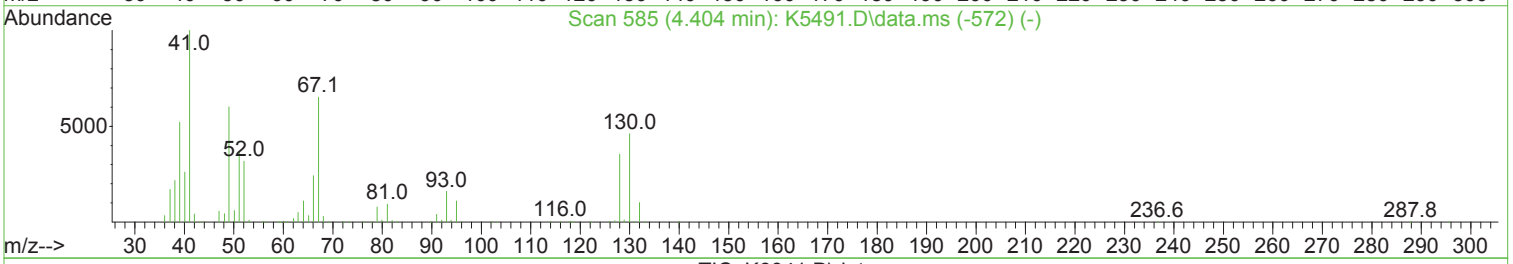
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(37) Methacrylonitrile

4.422min (+ 0.018) 0.43 ug/L

response 808

Ion	Exp%	Act%
67.10	100.00	100.00
41.10	154.00	84.78#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

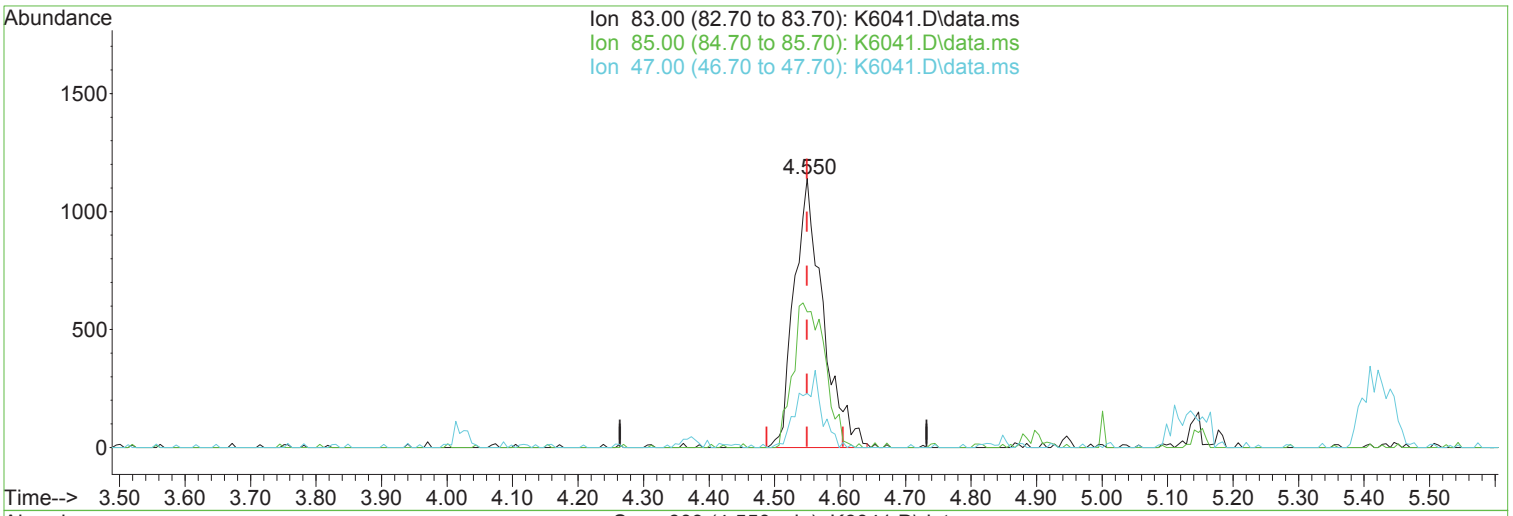
Before

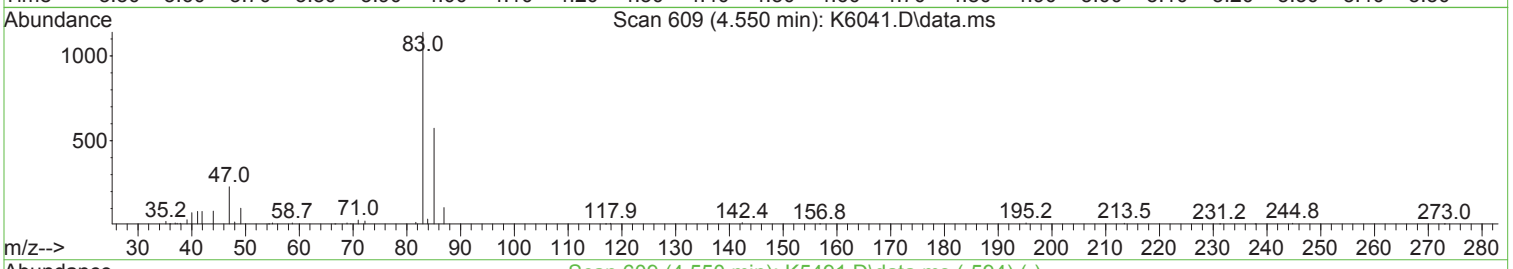
09/18/24

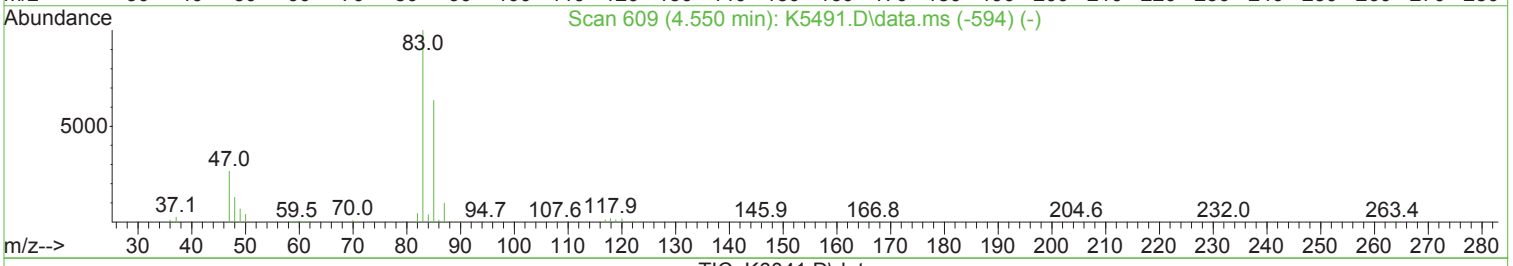
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
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Response via : Initial Calibration







TIC: K6041.D\data.ms

(39) Chloroform (P)

4.550min (-0.000) 0.56 ug/L m

response 3486

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	63.40	50.44
47.00	26.80	20.09
0.00	0.00	0.00

Manual Integration:

After

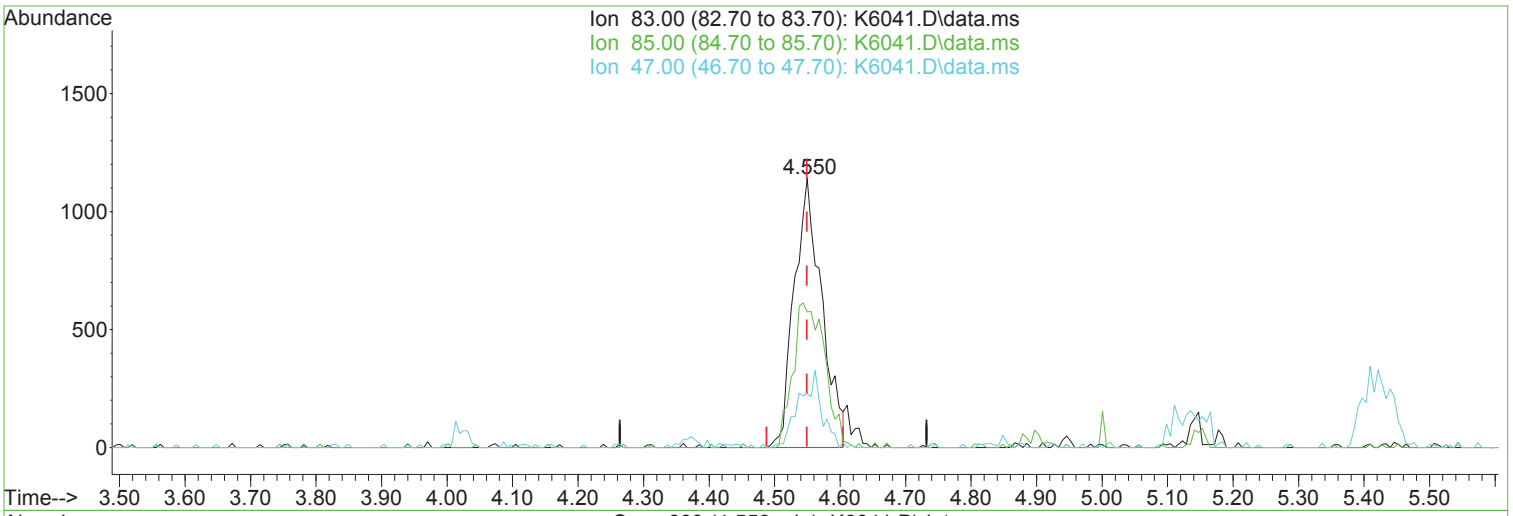
Poor integration.

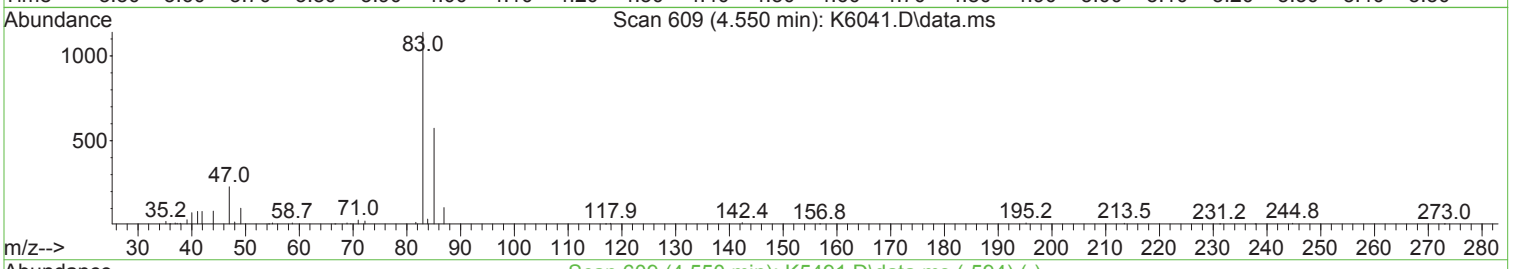
09/18/24

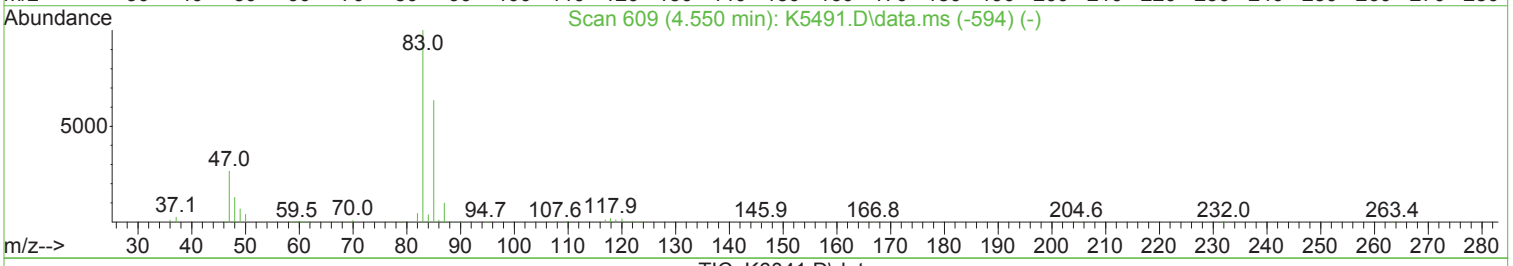
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(39) Chloroform (P)

4.550min (-0.000) 0.53 ug/L

response 3329

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	63.40	50.44
47.00	26.80	20.09
0.00	0.00	0.00

Manual Integration:

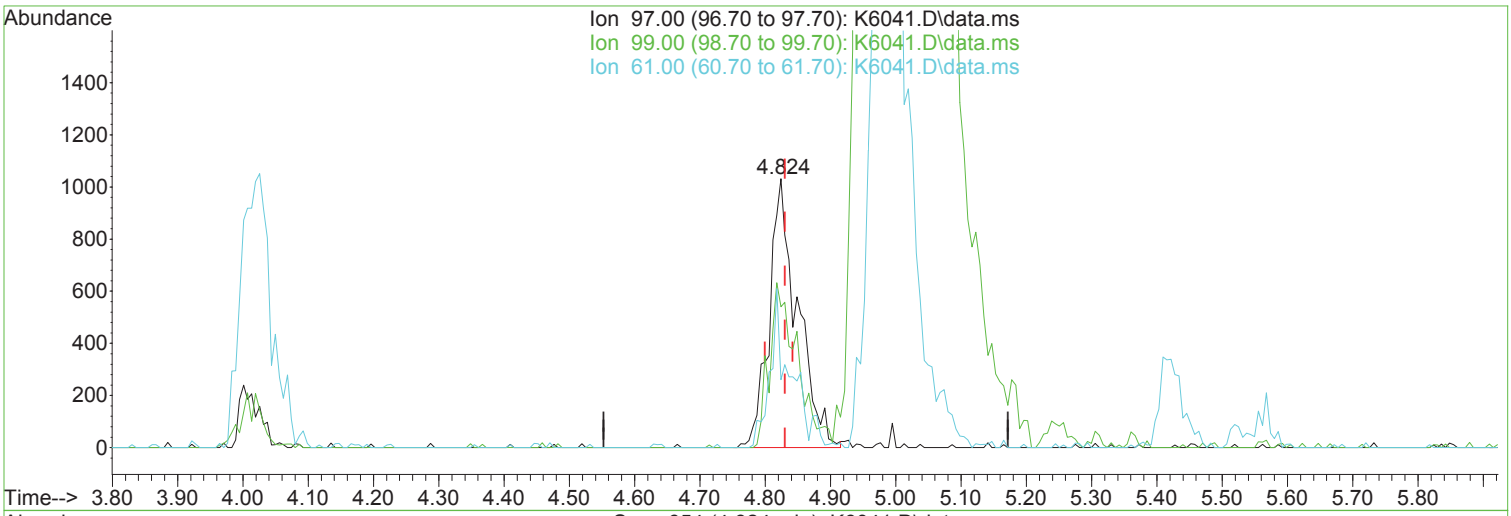
Before

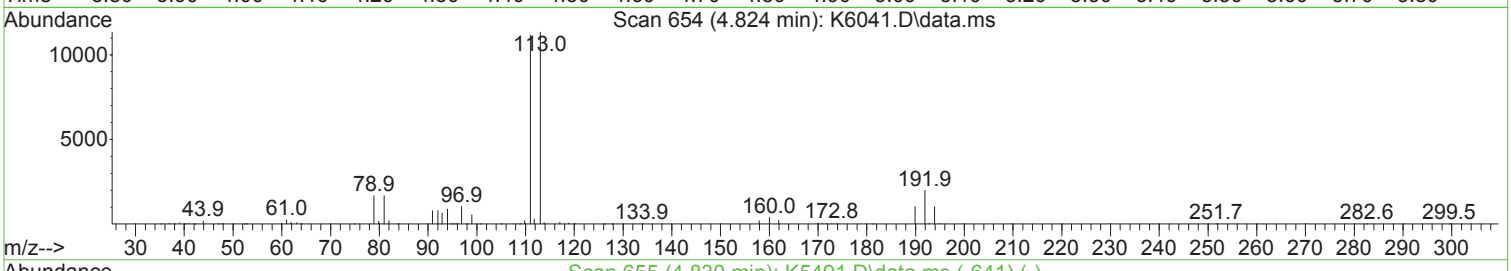
09/18/24

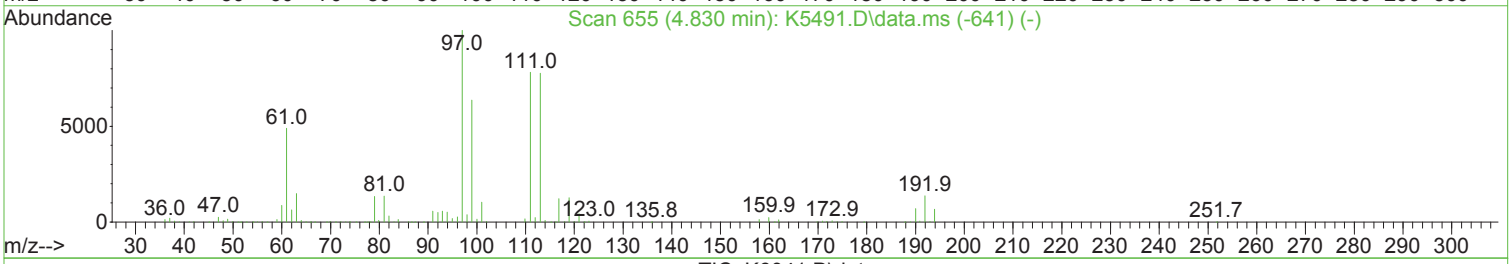
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

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

4.824min (-0.007) 0.61 ug/L m

response 3121

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	52.33
61.00	49.00	25.19#
0.00	0.00	0.00

Manual Integration:

After

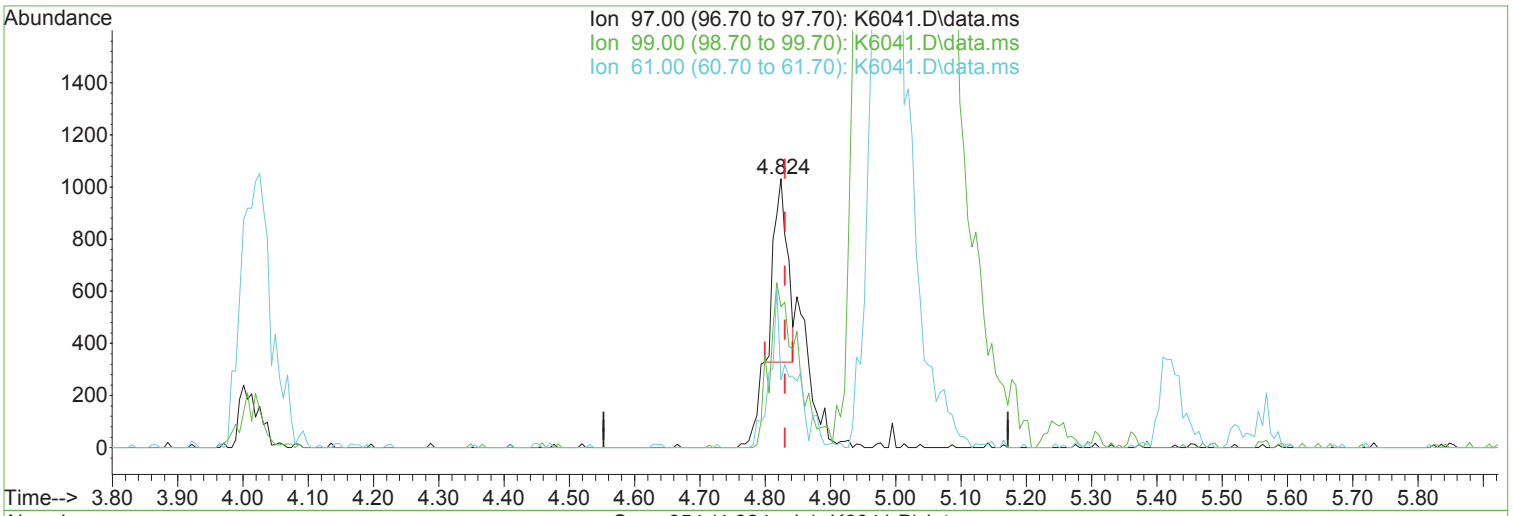
Poor integration.

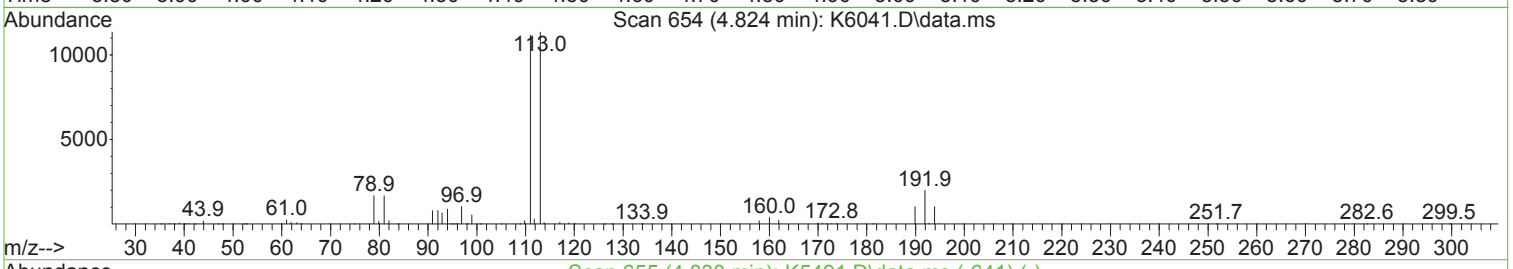
09/18/24

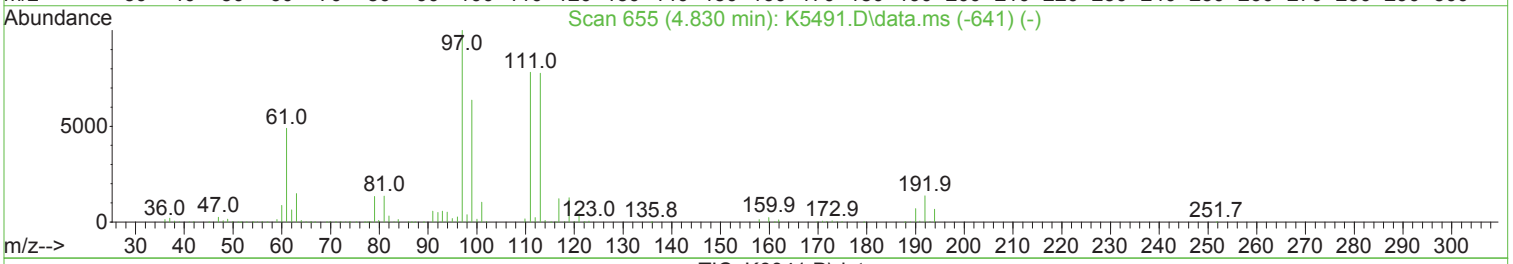
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

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

4.824min (-0.007) 0.20 ug/L

response 1015

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	52.33
61.00	49.00	25.19#
0.00	0.00	0.00

Manual Integration:

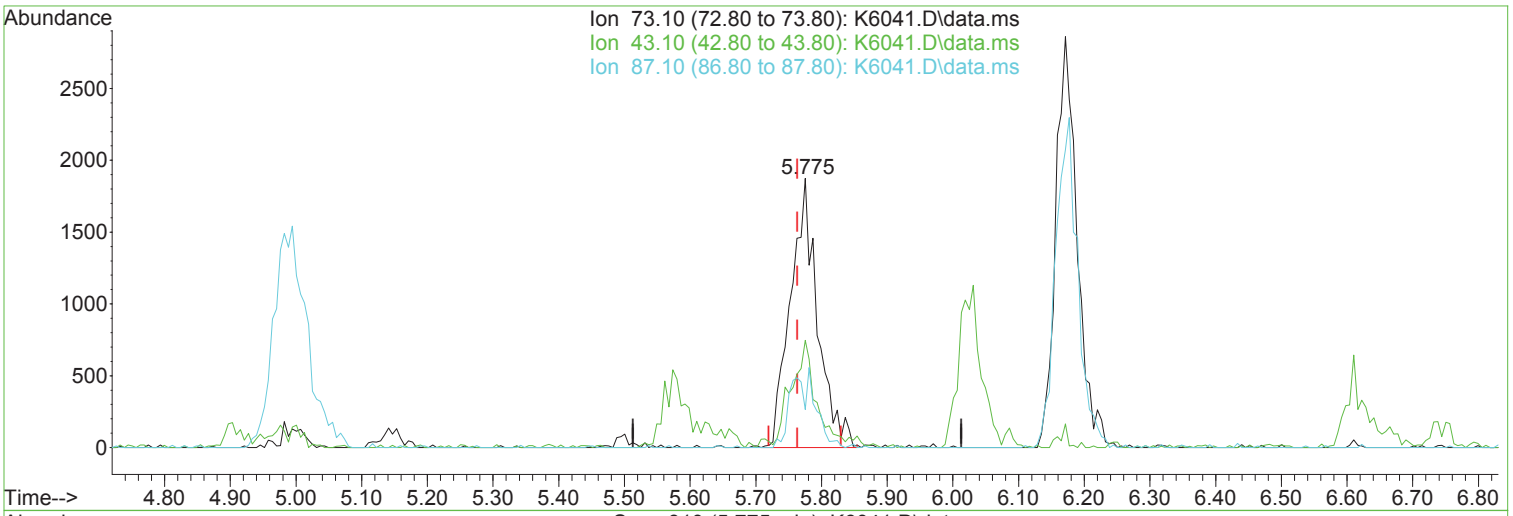
Before

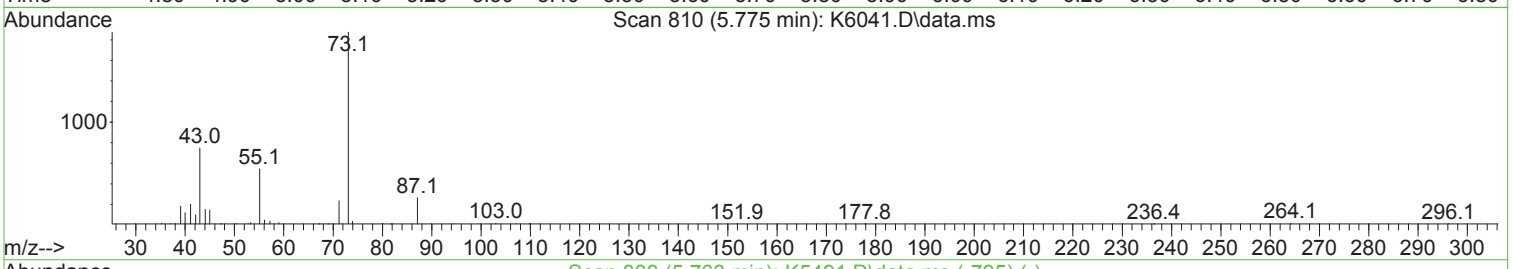
09/18/24

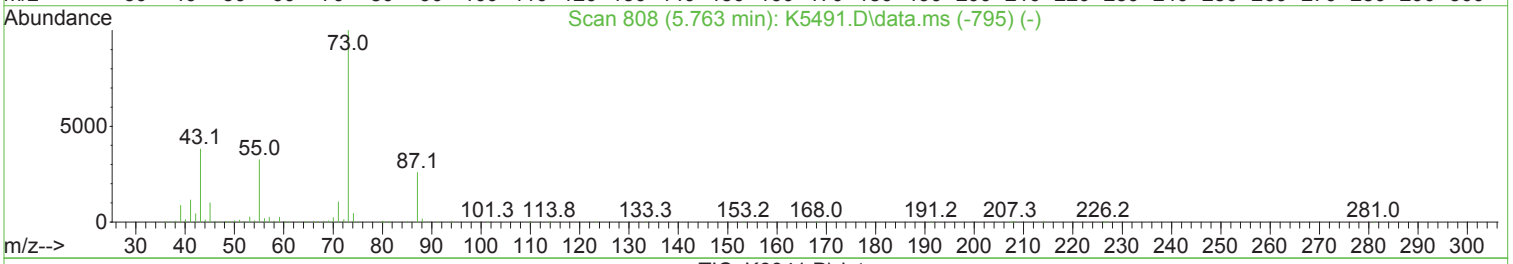
Quantitation Report (Qedit)

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Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
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Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(41) TAME

5.775min (+ 0.012) 0.52 ug/L m

response 5362

Ion	Exp%	Act%
73.10	100.00	100.00
43.10	39.90	39.88
87.10	25.80	14.20
0.00	0.00	0.00

Manual Integration:

After

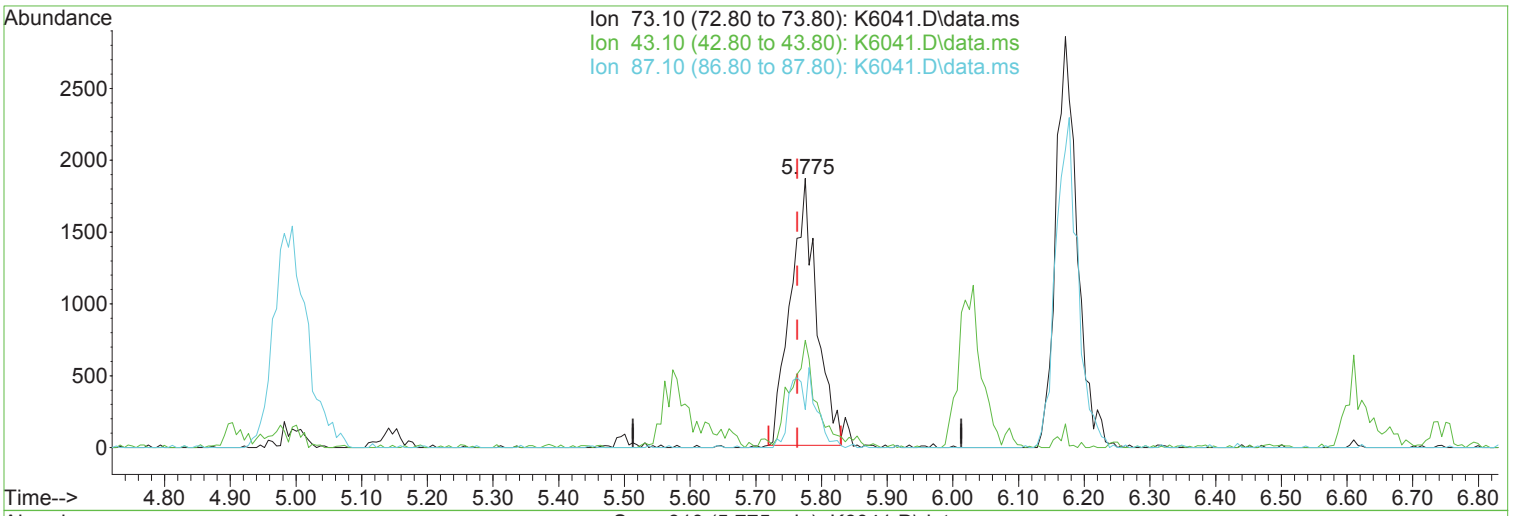
Poor integration.

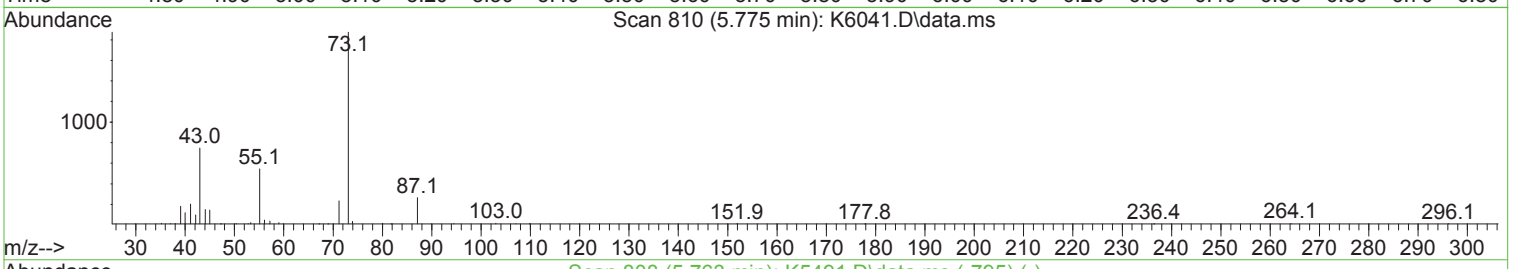
09/18/24

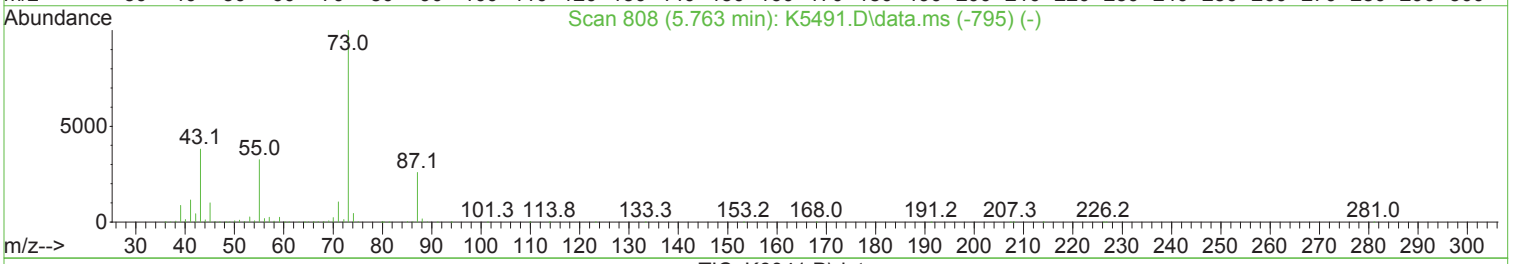
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(41) TAME

5.775min (+ 0.012) 0.50 ug/L

response 5120

Ion	Exp%	Act%
73.10	100.00	100.00
43.10	39.90	39.88
87.10	25.80	14.20
0.00	0.00	0.00

Manual Integration:

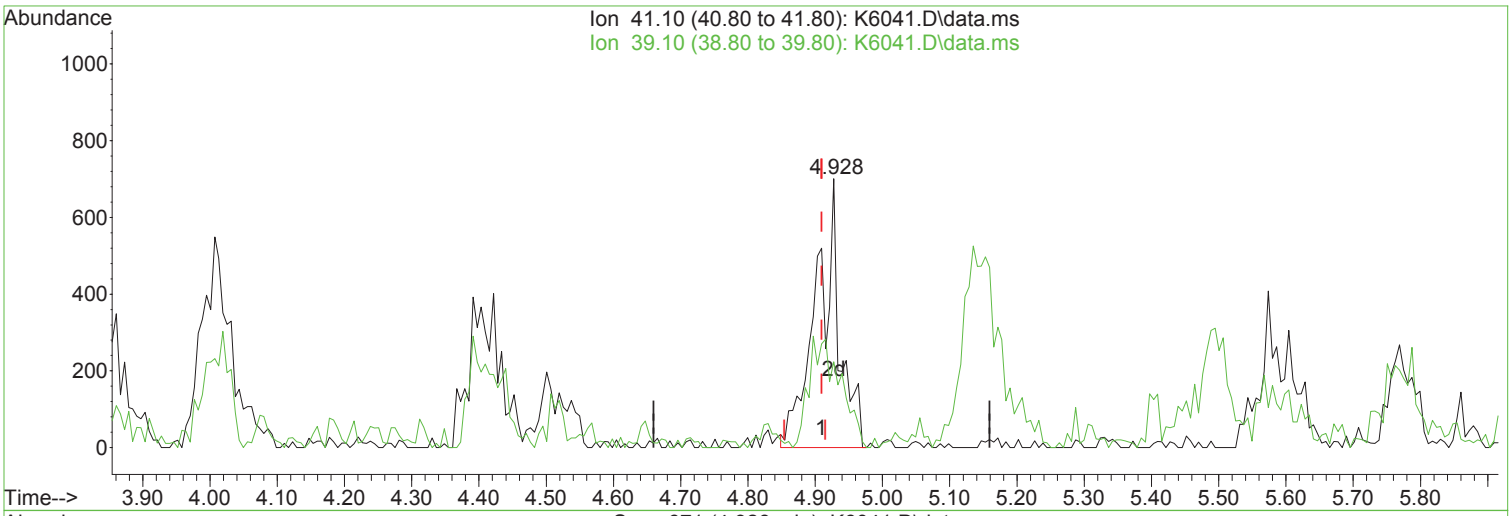
Before

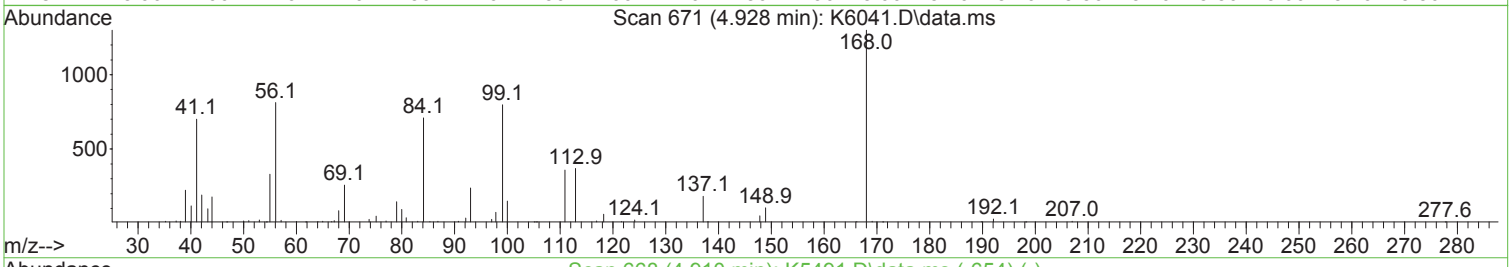
09/18/24

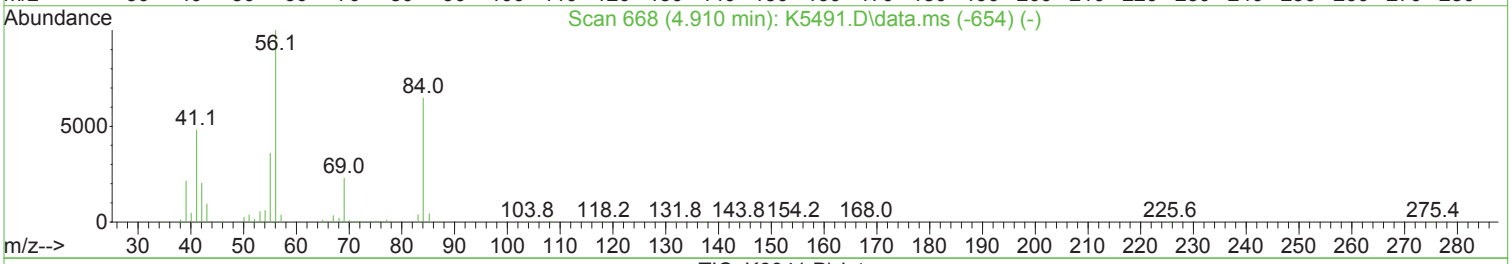
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
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Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(43) Cyclohexane (P)

4.928min (+ 0.018) 0.55 ug/L m

response 1700

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	44.80	31.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

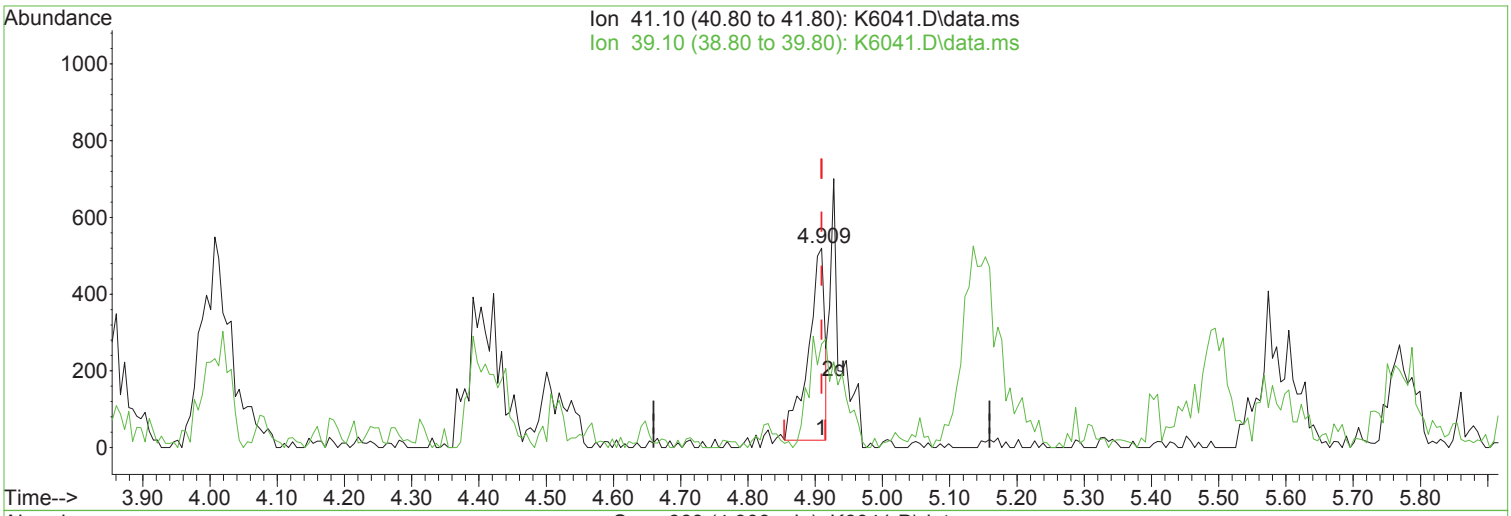
Split Peak.

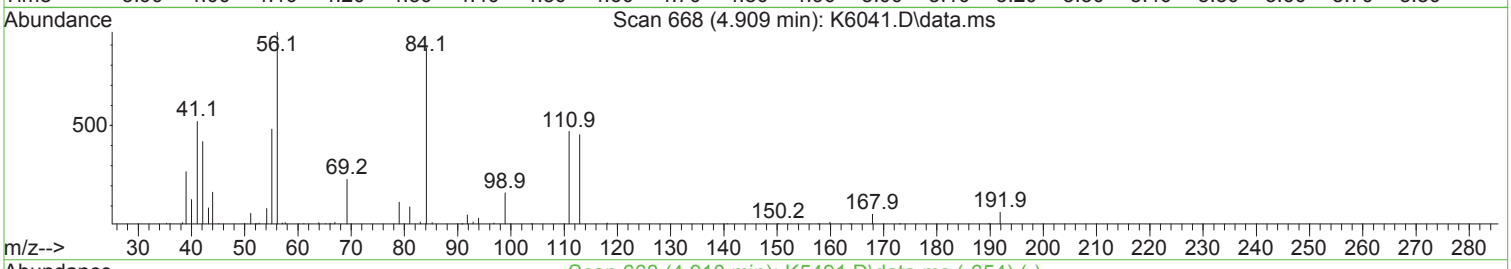
09/18/24

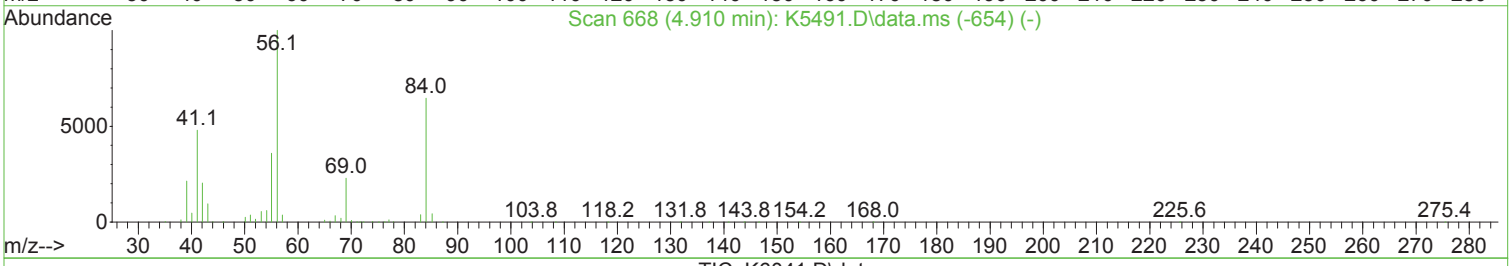
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(43) Cyclohexane (P)

4.909min (-0.000) 0.28 ug/L

response 848

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	44.80	51.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

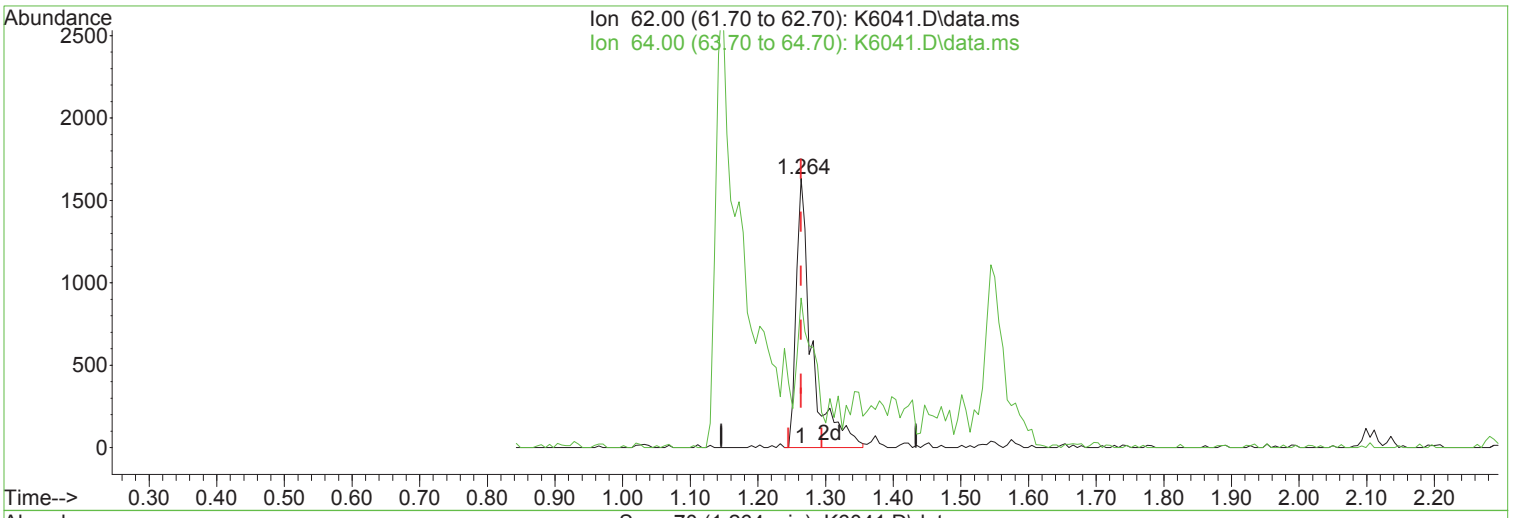
Before

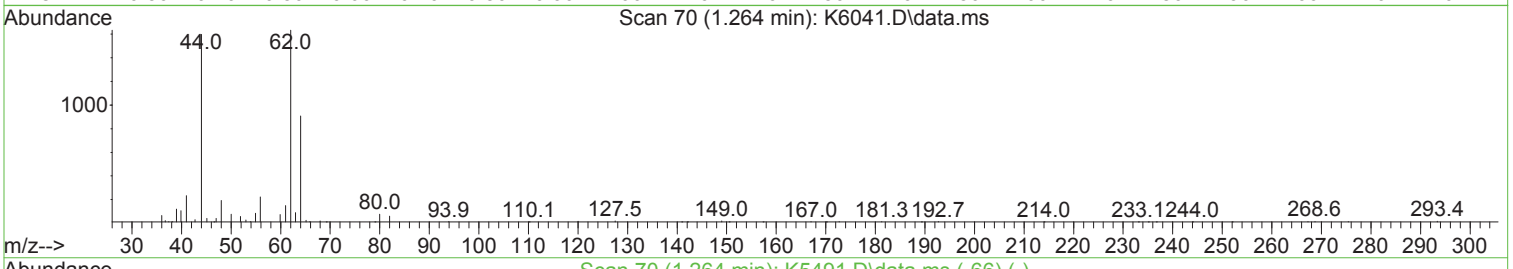
09/18/24

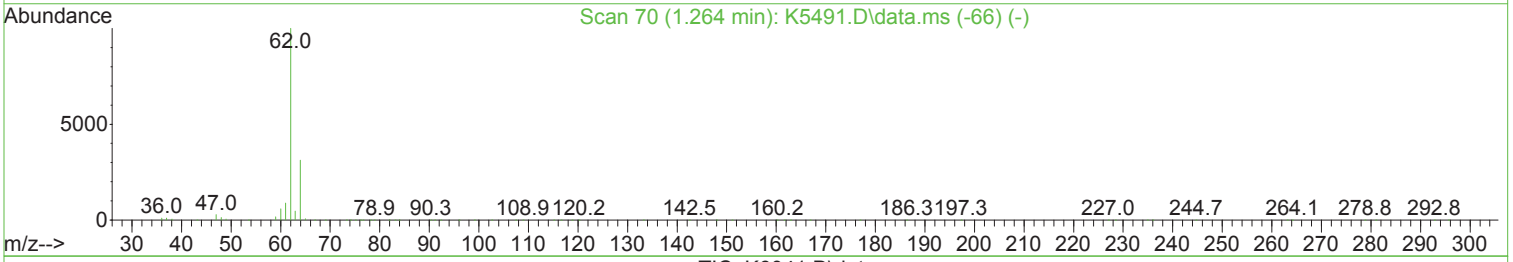
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(5) Vinyl Chloride (P)

1.264min (-0.000) 0.61 ug/L m

response 2619

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.30	55.54#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

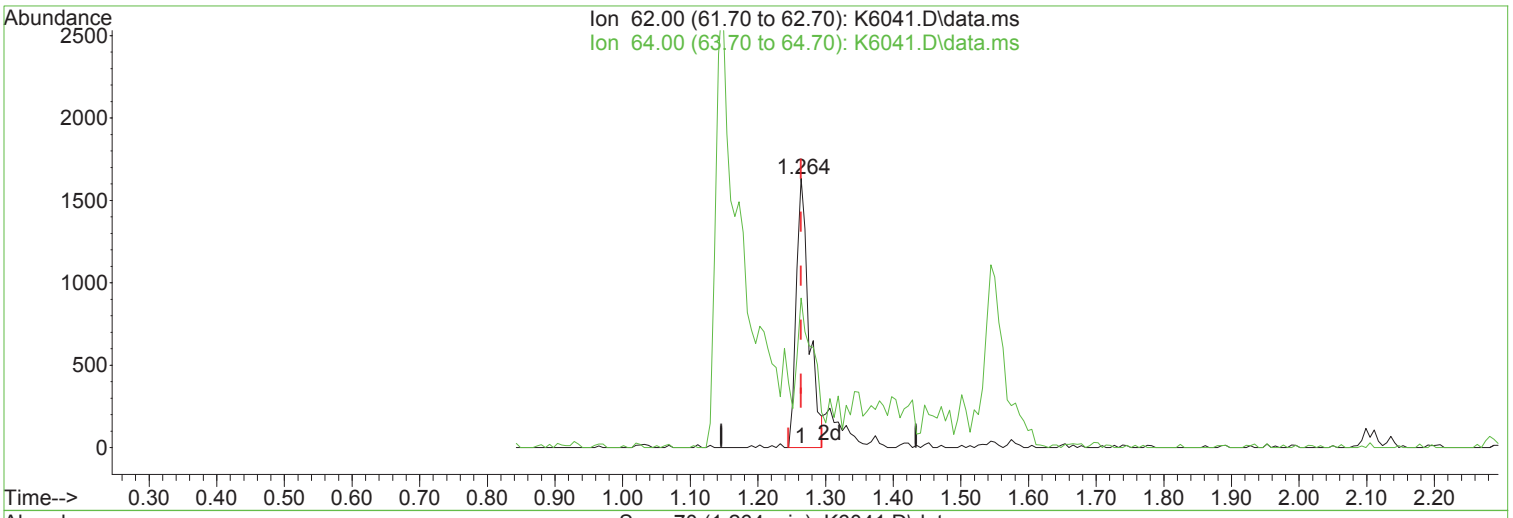
Split Peak.

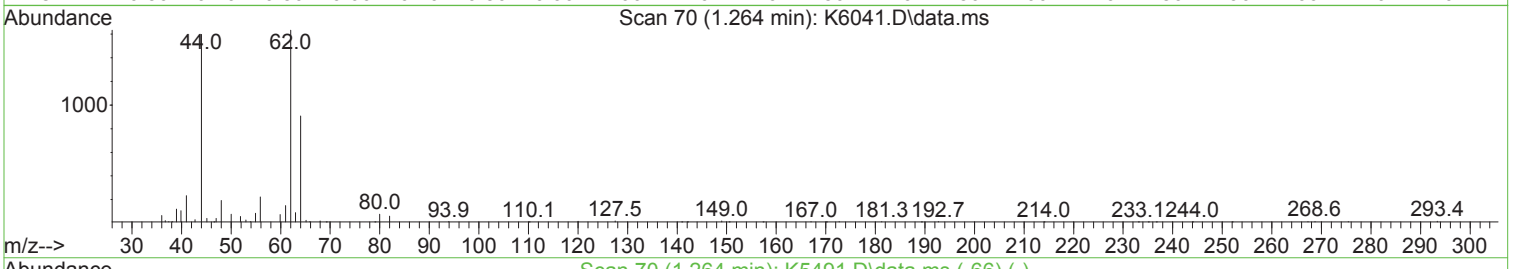
09/18/24

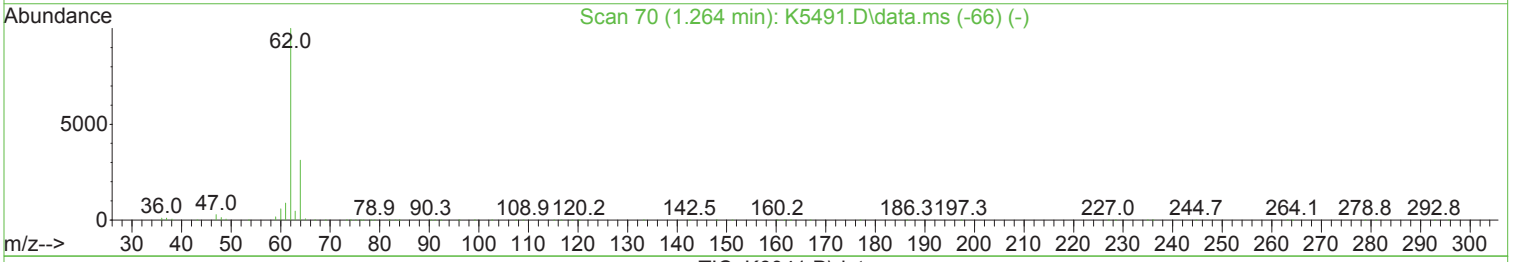
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(5) Vinyl Chloride (P)

1.264min (-0.000) 0.50 ug/L

response 2178

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.30	55.54#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

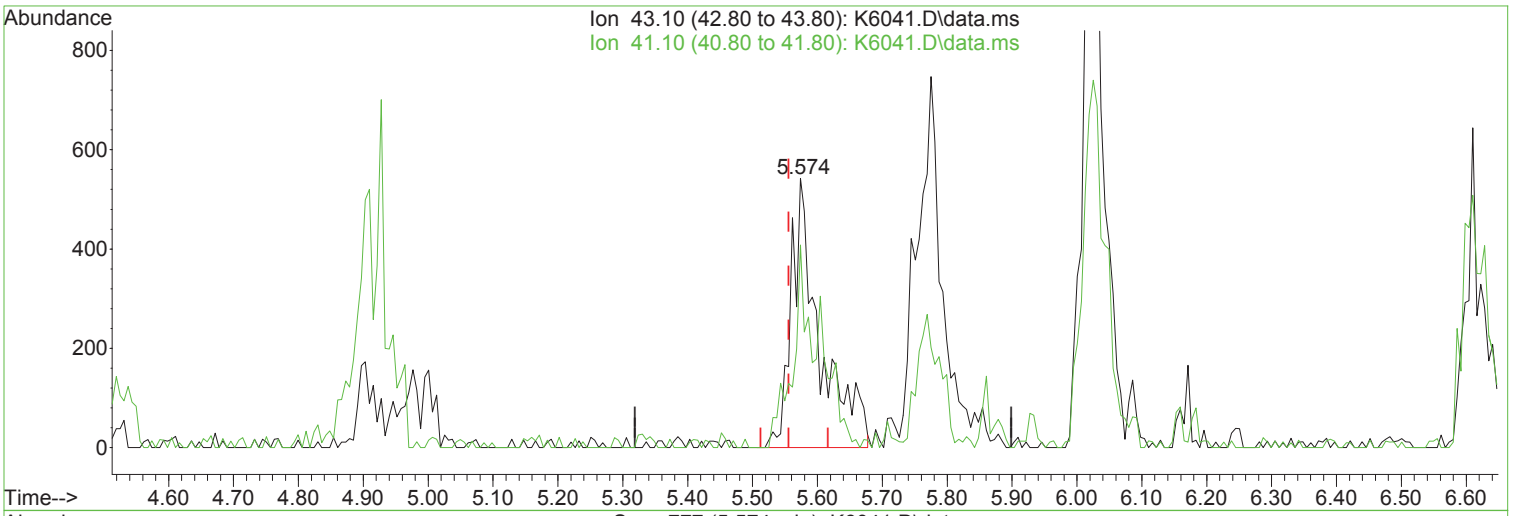
Before

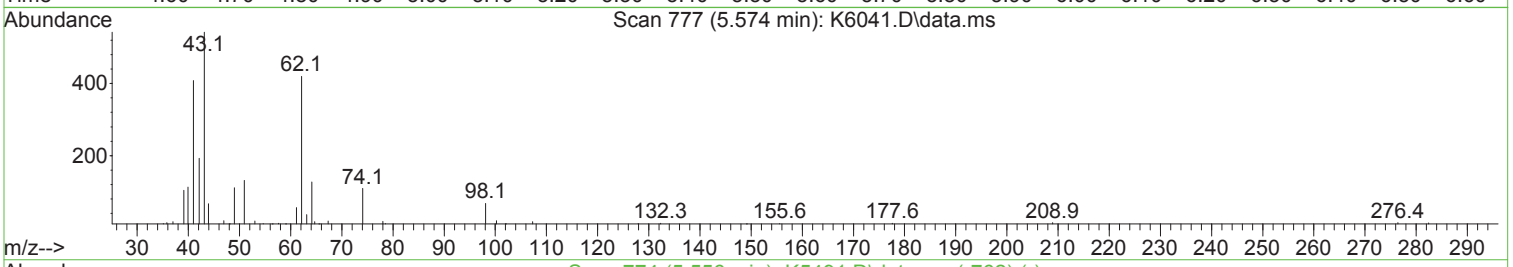
09/18/24

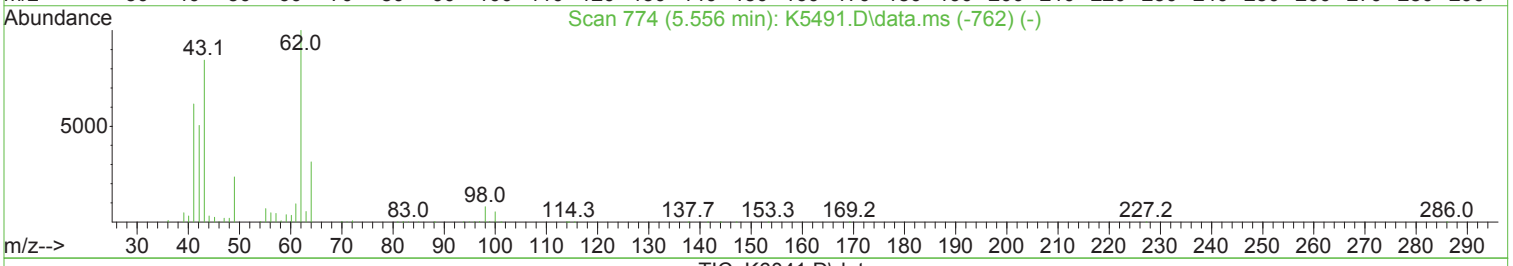
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
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Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(50) Iso-Butyl Alcohol

5.574min (+ 0.018) 8.29 ug/L m

response 1647

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	73.00	75.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

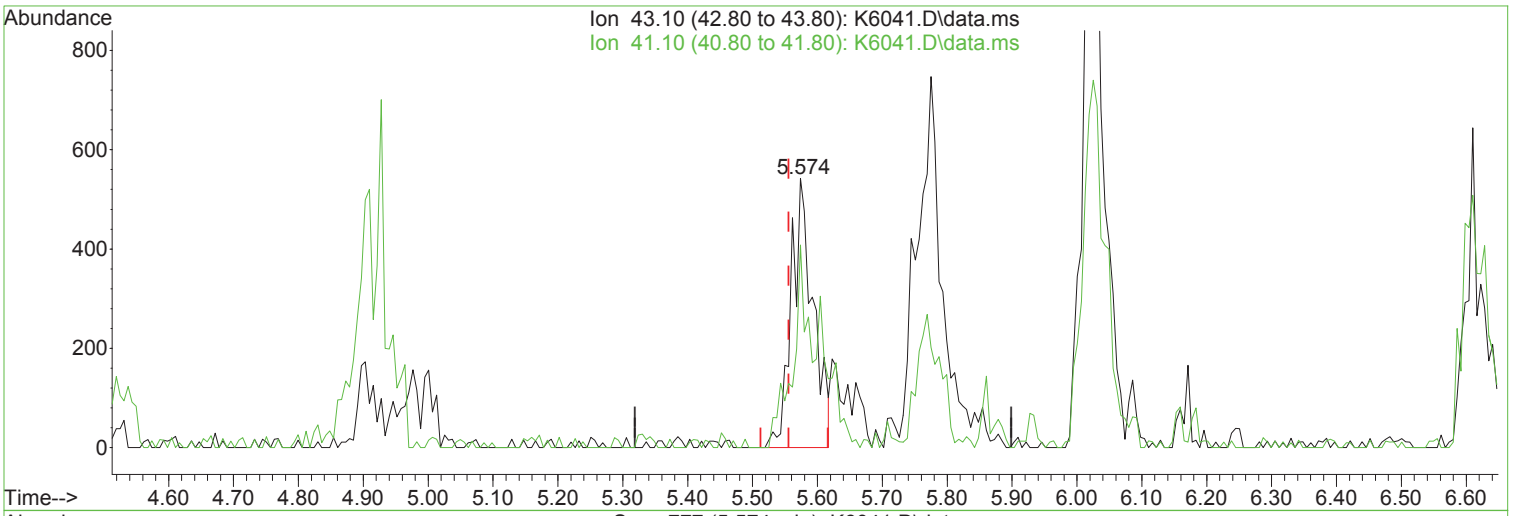
Split Peak.

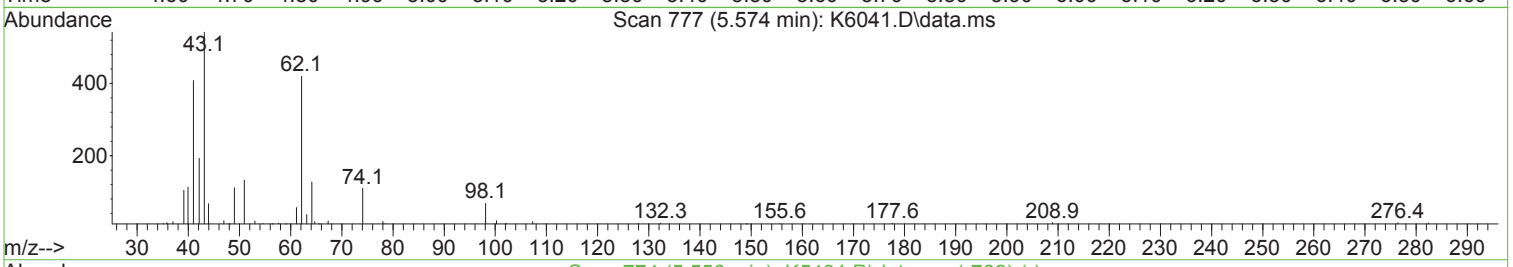
09/18/24

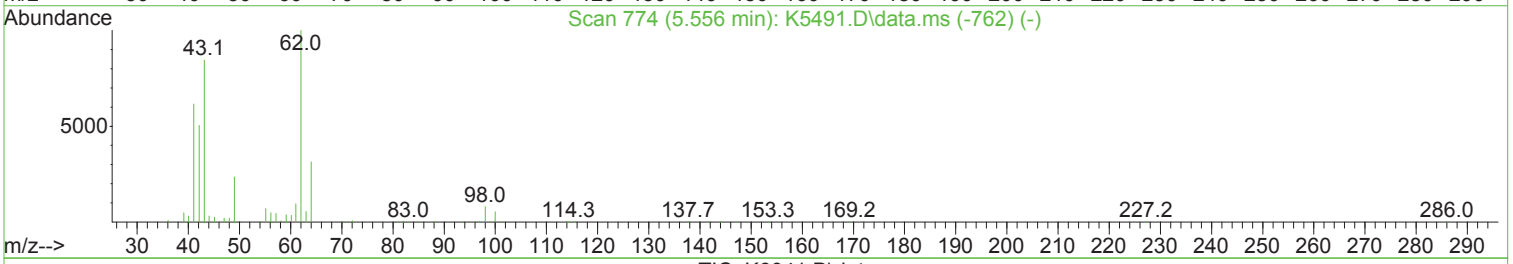
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(50) Iso-Butyl Alcohol

5.574min (+ 0.018) 6.34 ug/L

response 1261

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	73.00	75.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

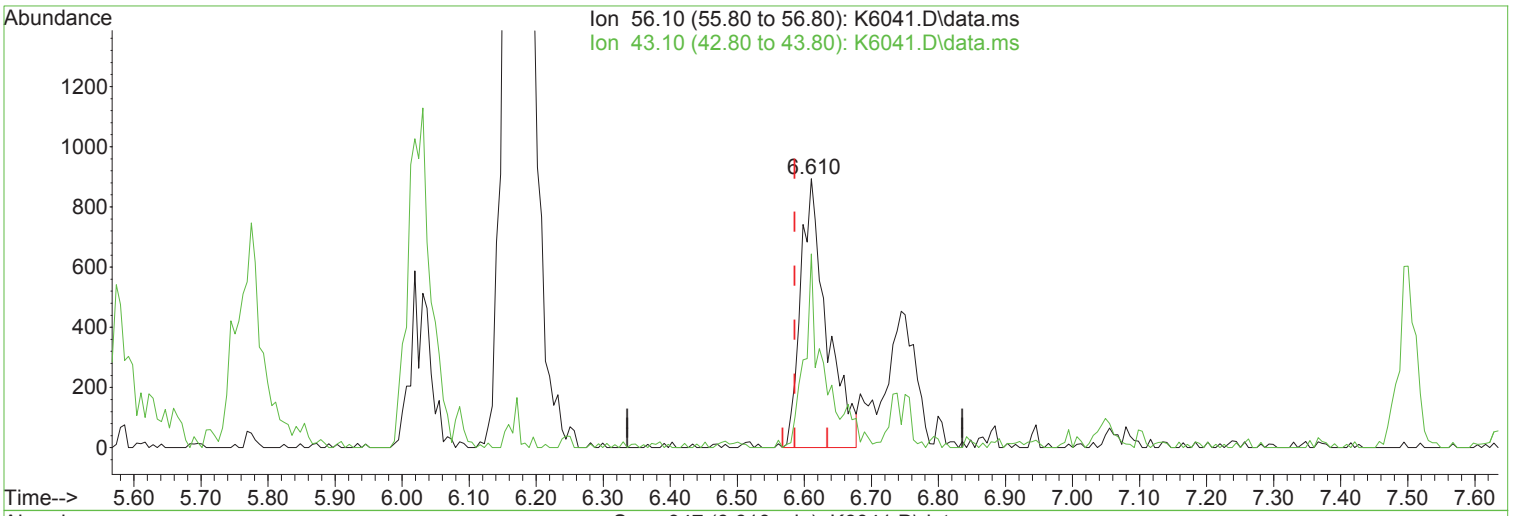
Before

09/18/24

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



TIC: K6041.D\data.ms

(52) 1-Butanol

6.610min (+ 0.024) 18.11 ug/L m

response 2434

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	50.80	72.04#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

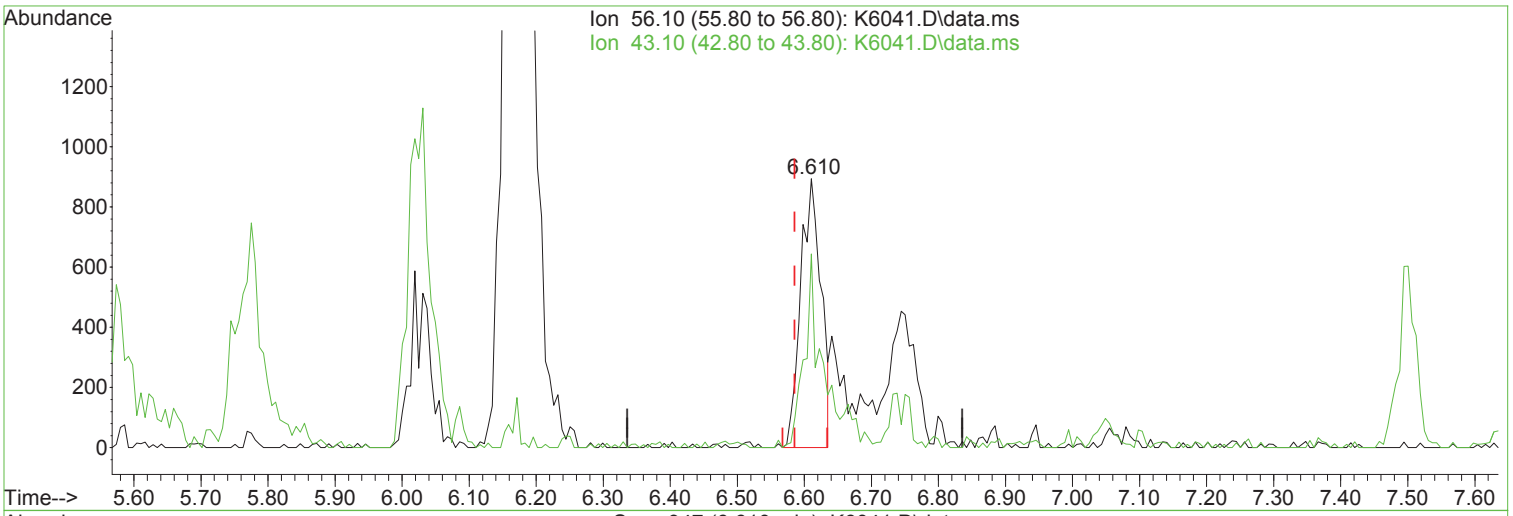
Poor integration.

09/18/24

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



TIC: K6041.D\data.ms

(52) 1-Butanol

6.610min (+ 0.024) 14.07 ug/L

response 1891

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	50.80	72.04#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

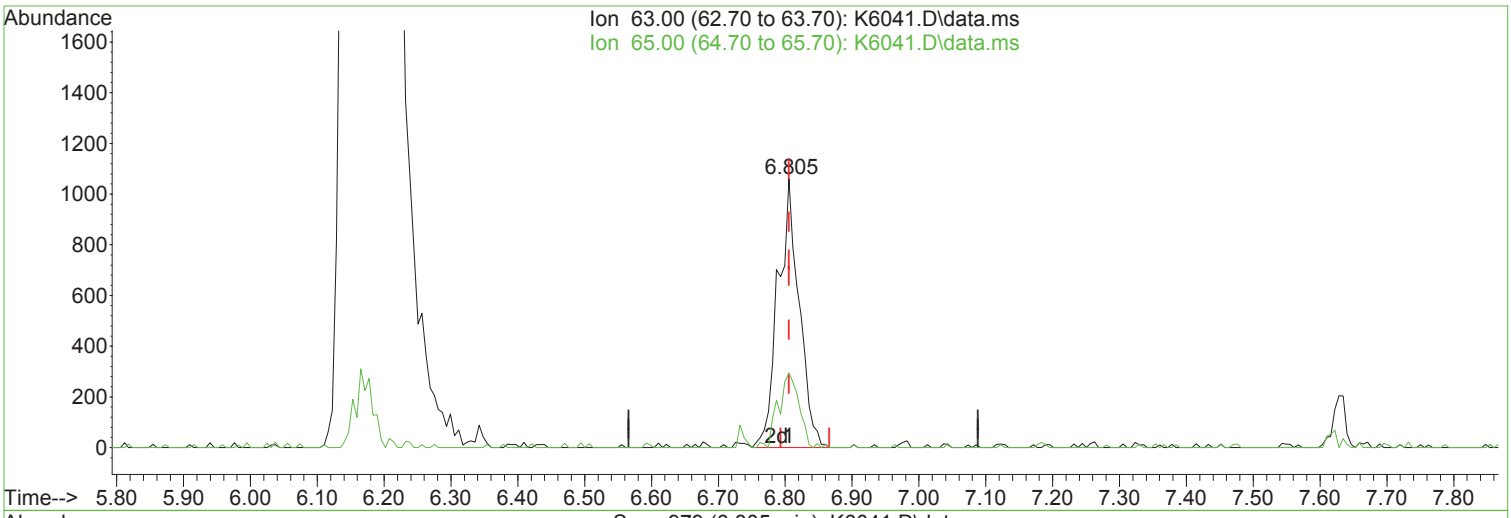
Before

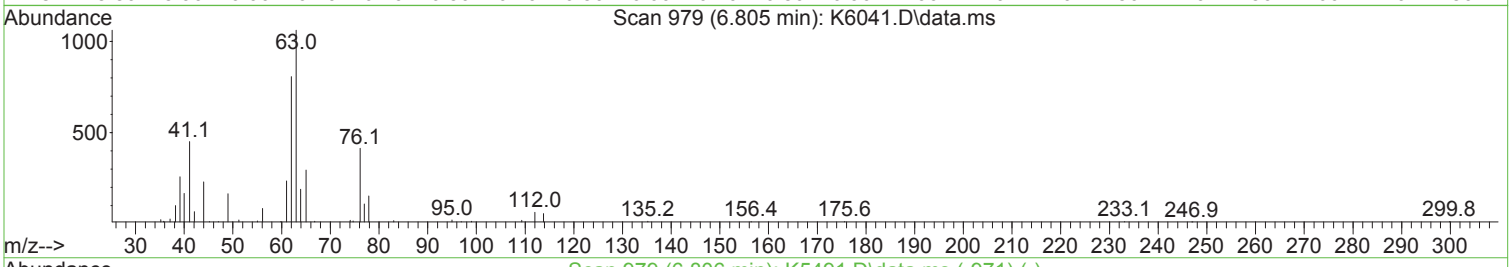
09/18/24

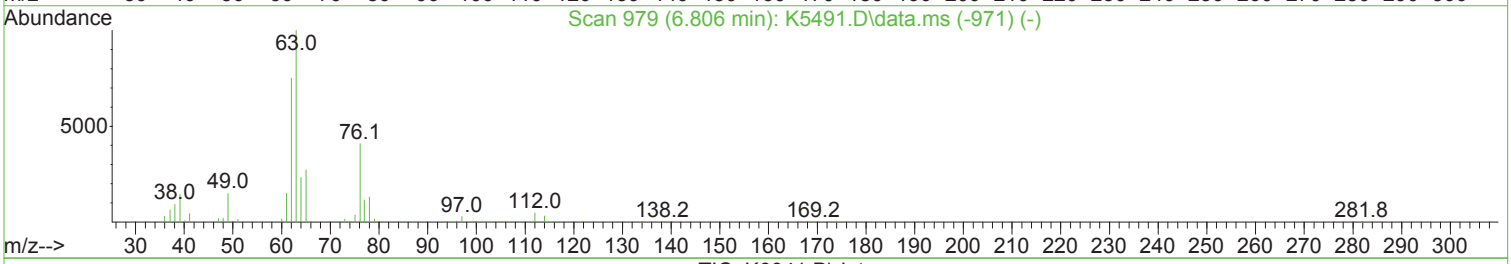
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(55) 1,2-Diclpropane (P)

6.805min (-0.000) 0.60 ug/L m

response 2346

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	29.00	27.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

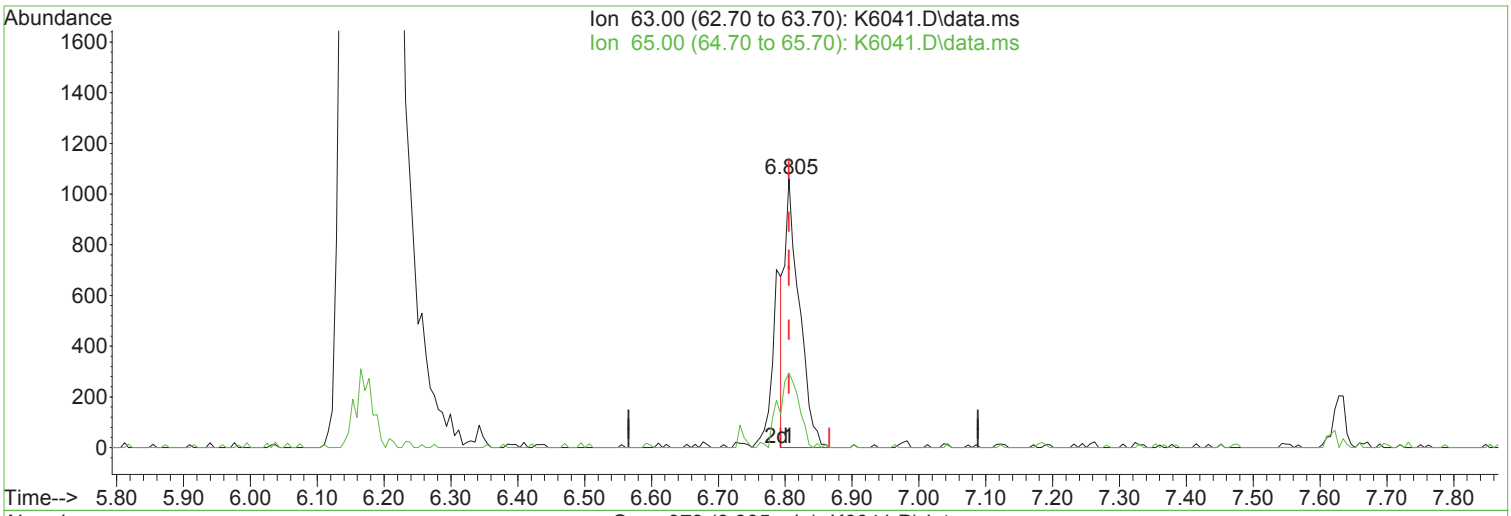
Split Peak.

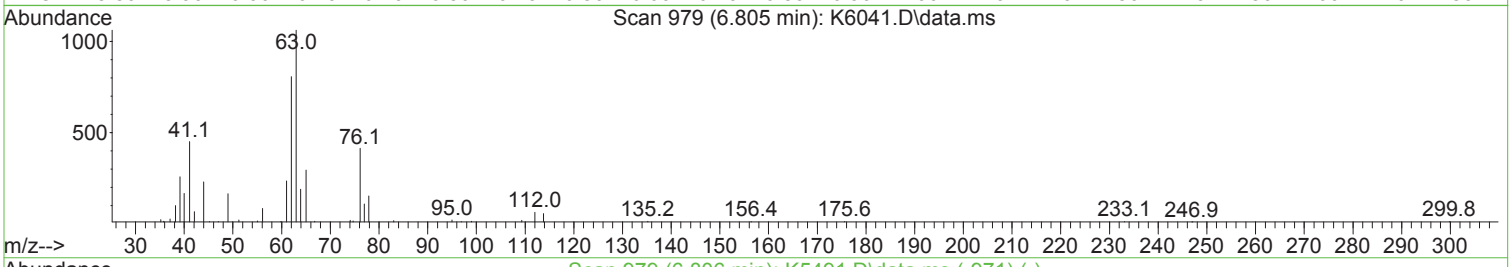
09/18/24

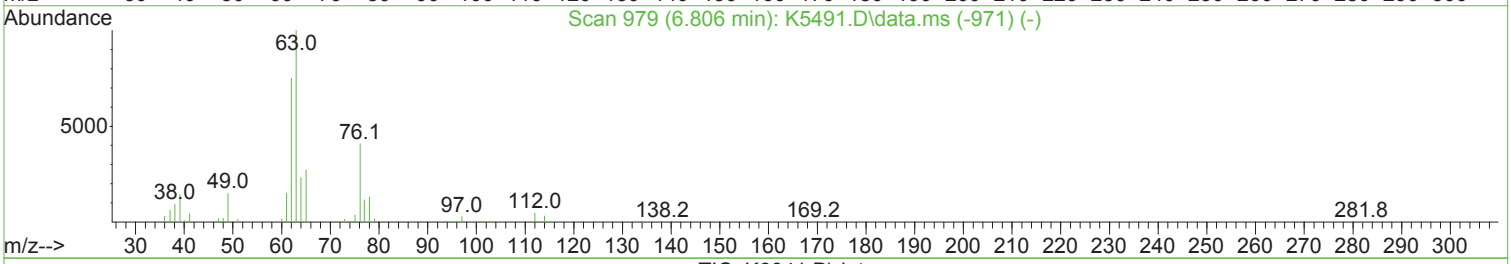
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(55) 1,2-Diclpropane (P)

6.805min (-0.000) 0.41 ug/L

response 1622

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	29.00	27.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

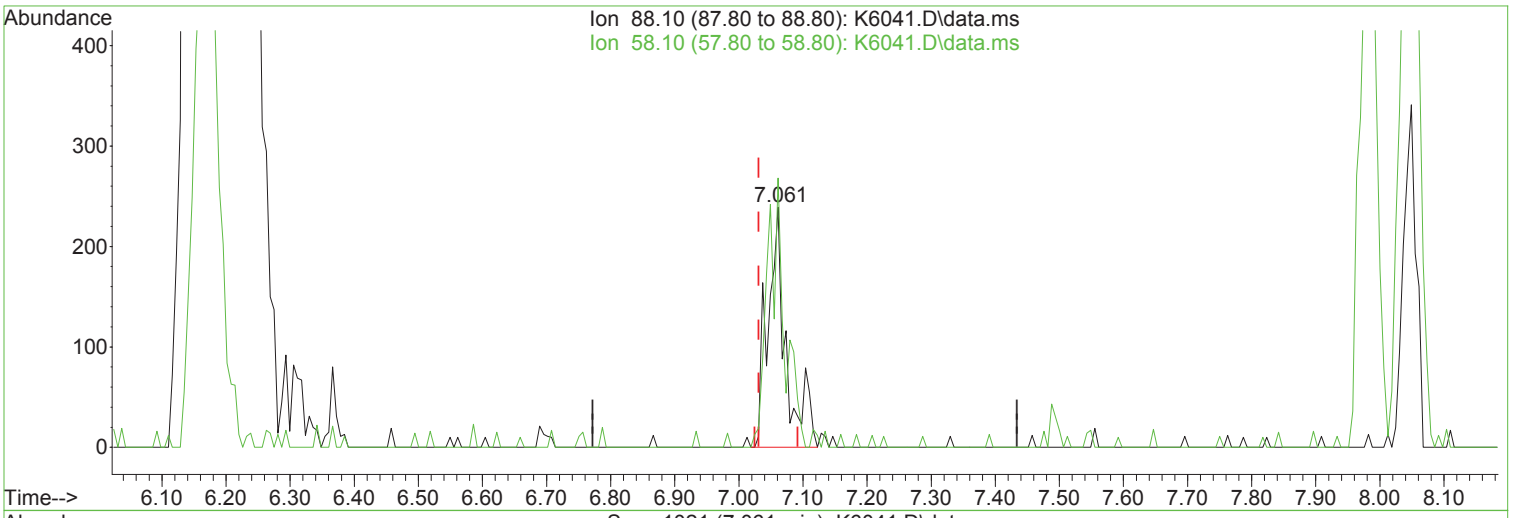
Before

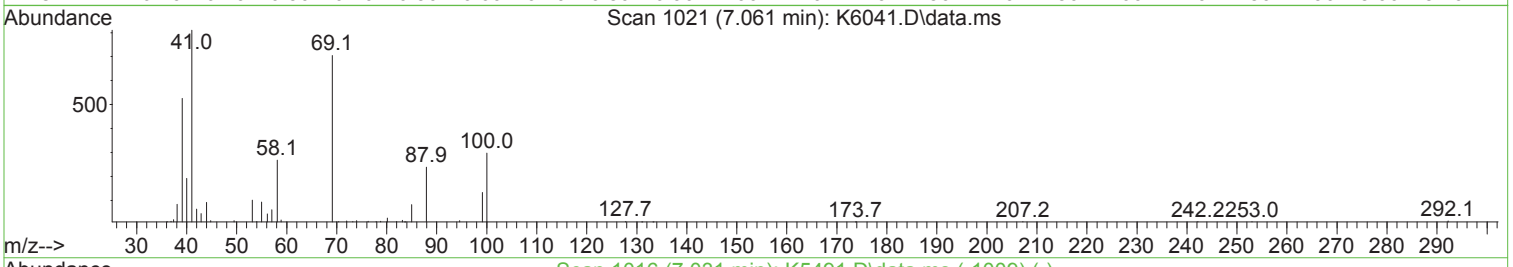
09/18/24

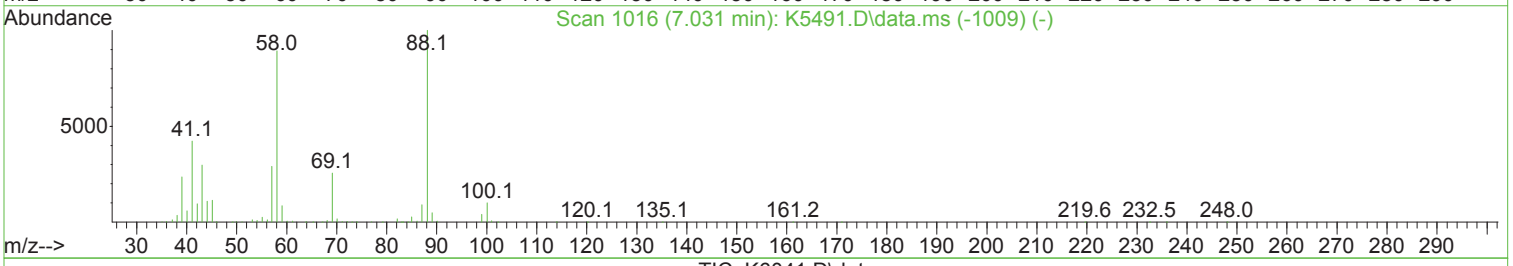
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(57) 1,4-Dioxane

7.061min (+ 0.030) 7.79 ug/L m

response 474

Ion	Exp%	Act%
88.10	100.00	100.00
58.10	89.40	112.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

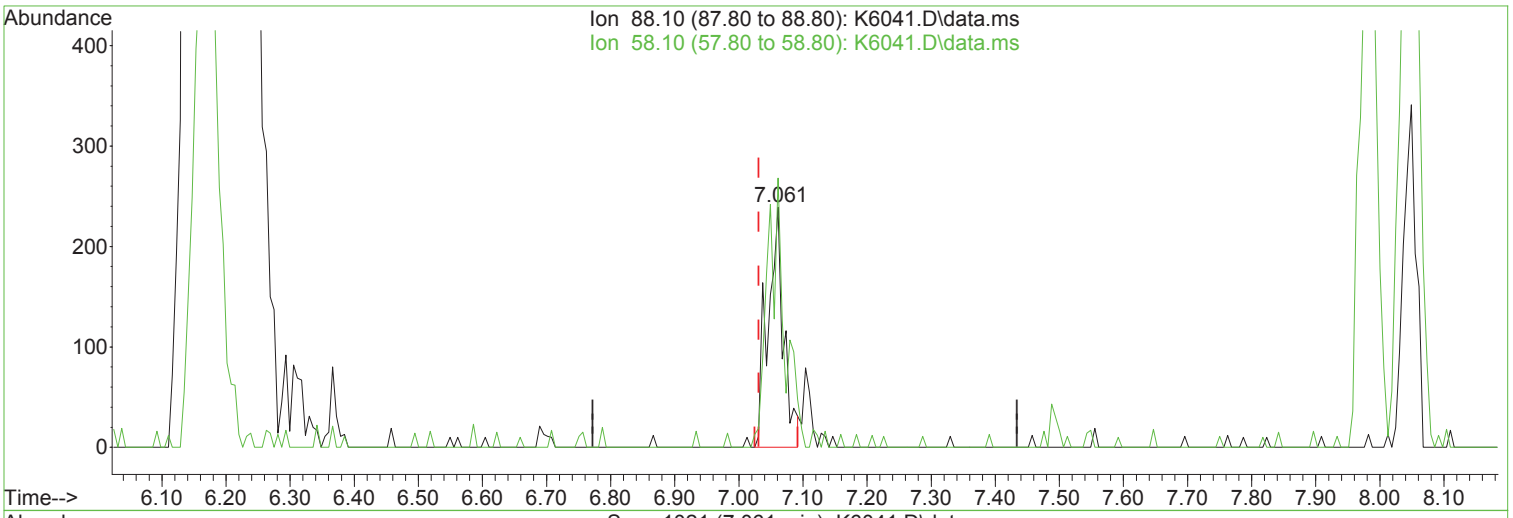
Poor integration.

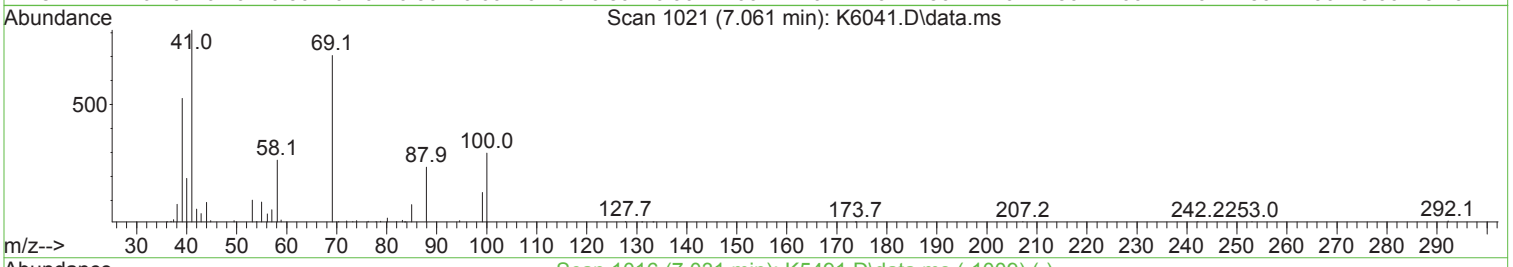
09/18/24

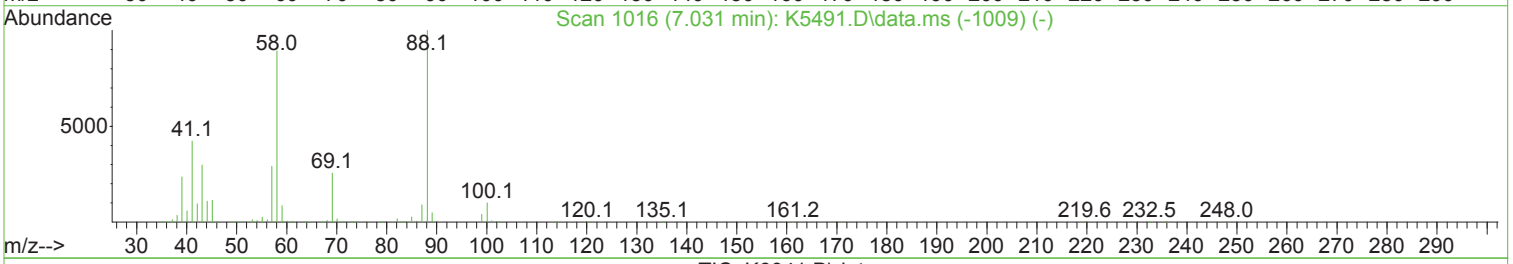
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(57) 1,4-Dioxane

7.061min (+ 0.030) 6.76 ug/L

response 411

Ion	Exp%	Act%
88.10	100.00	100.00
58.10	89.40	112.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

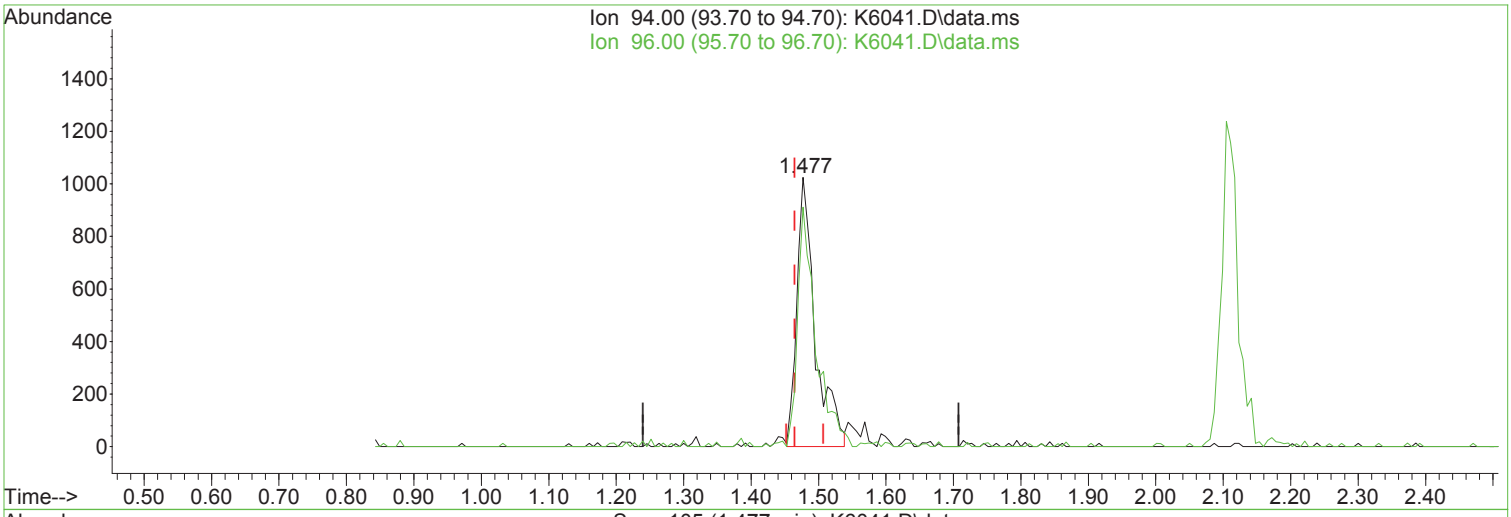
Before

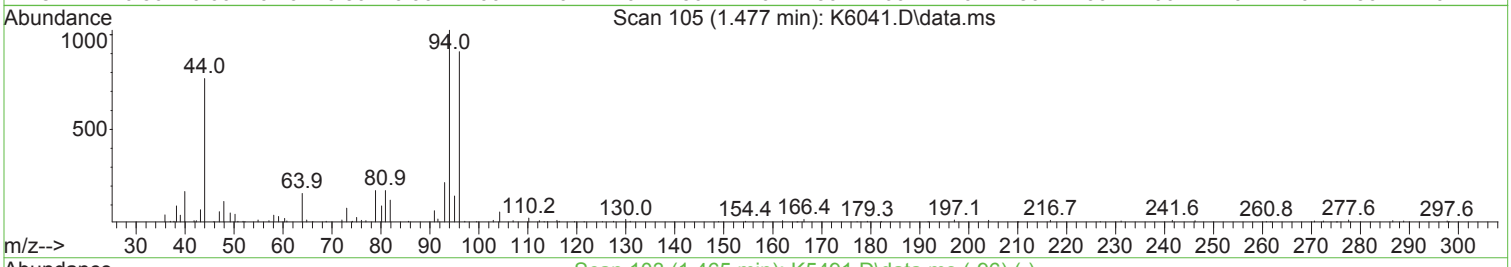
09/18/24

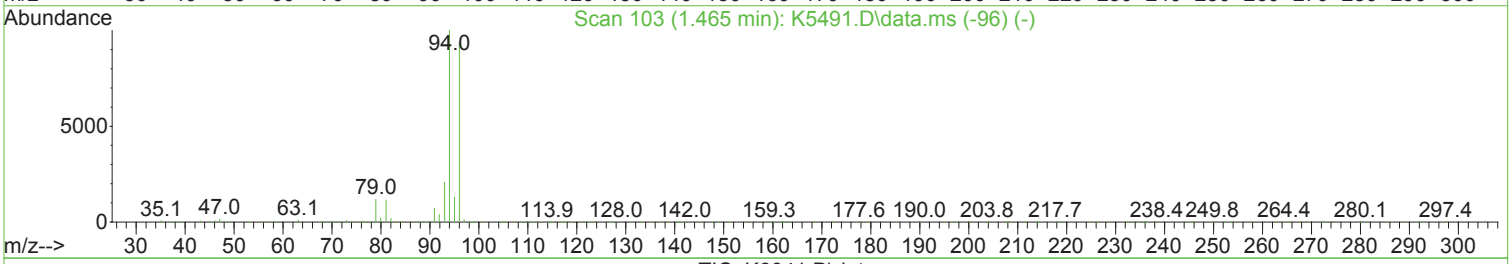
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(6) Bromomethane (P)

1.477min (+ 0.012) 0.78 ug/L m

response 1924

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.80	88.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

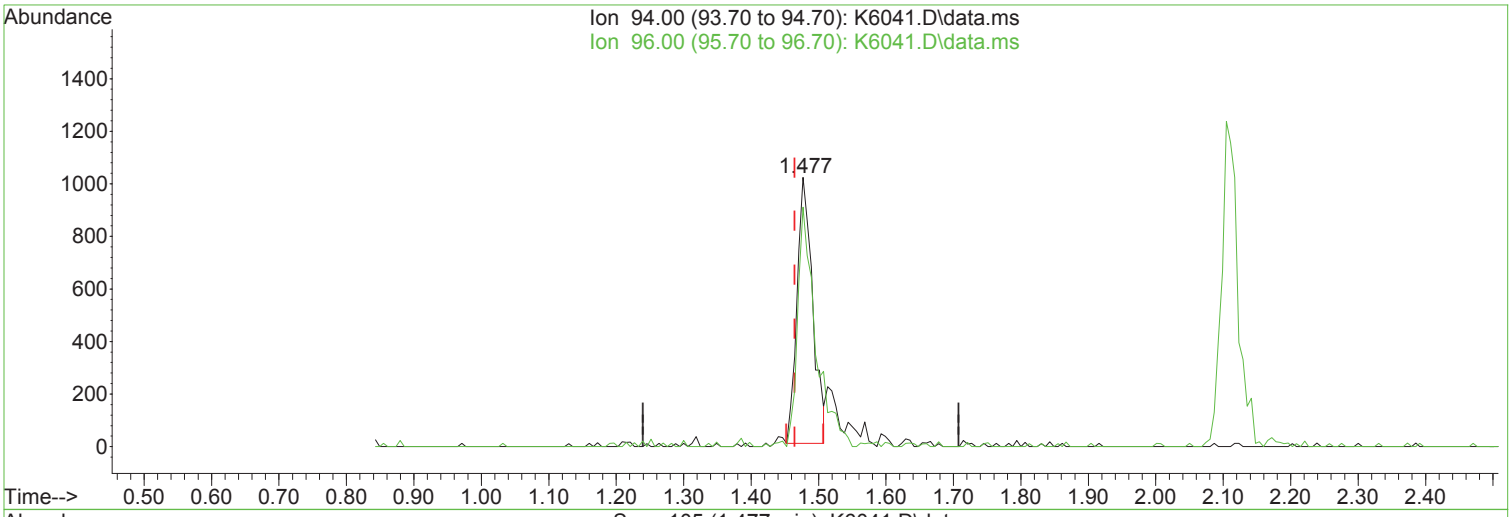
Split Peak.

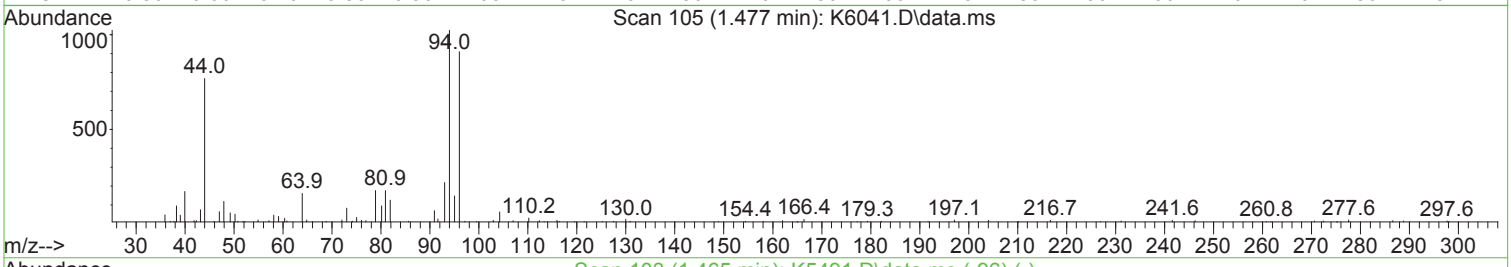
09/18/24

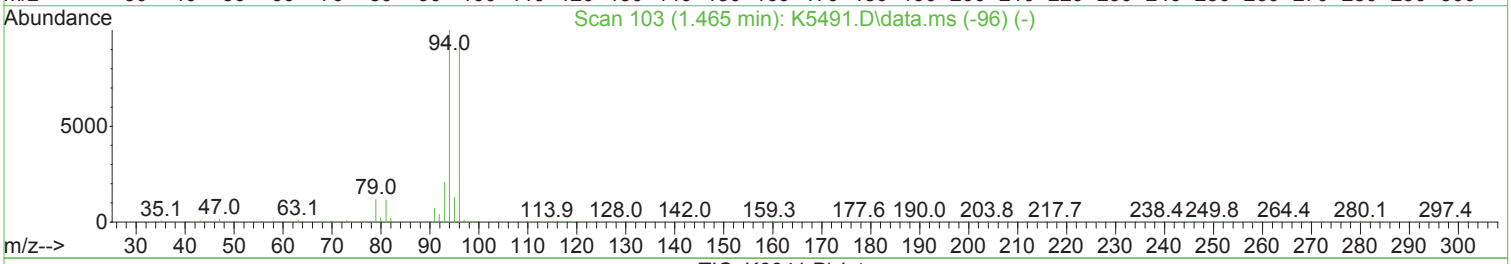
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(6) Bromomethane (P)

1.477min (+ 0.012) 0.66 ug/L

response 1623

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.80	88.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

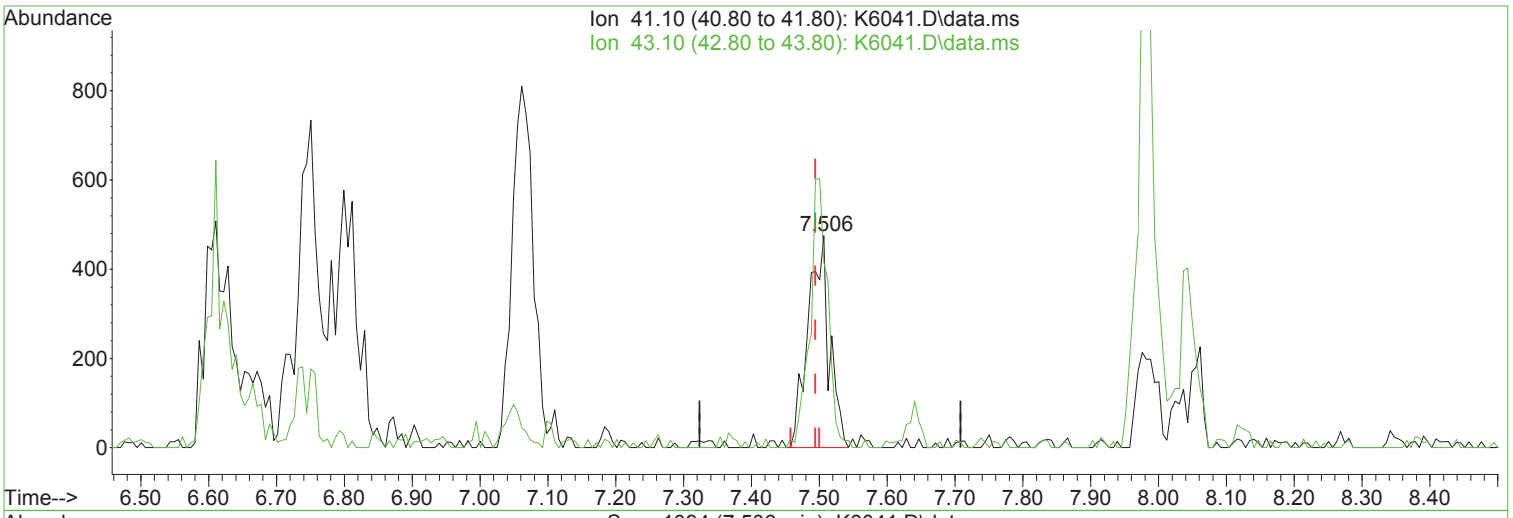
Before

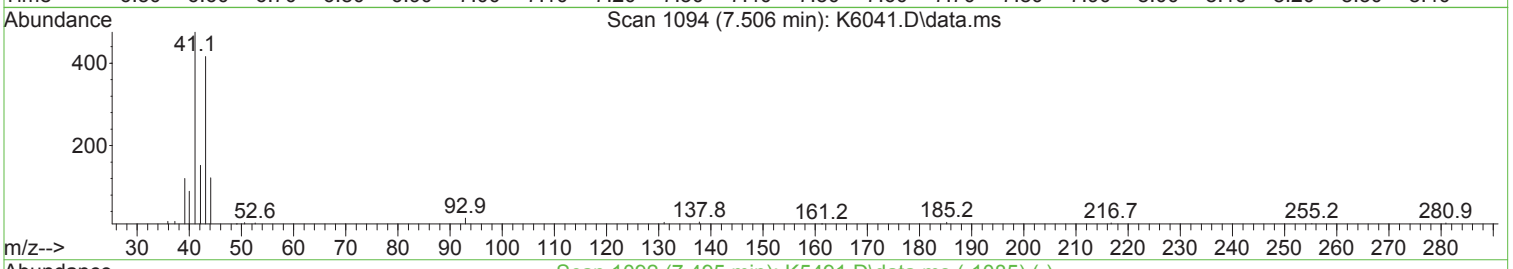
09/18/24

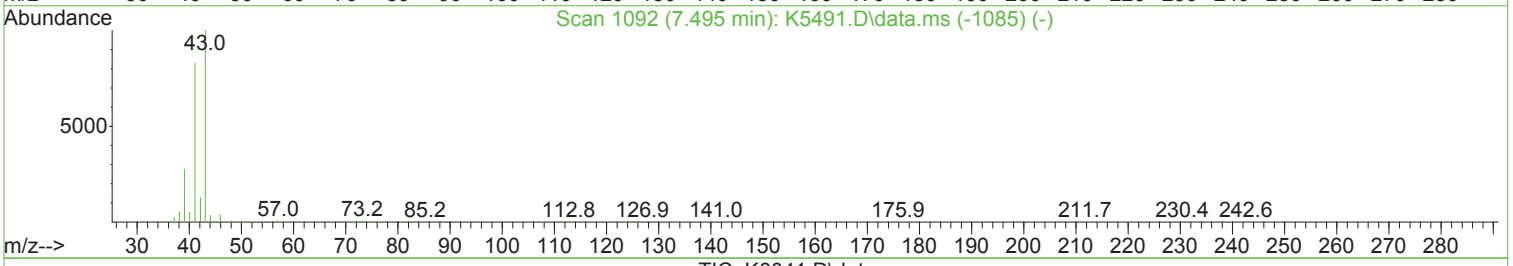
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(60) 2-Nitropropane

7.506min (+ 0.012) 1.03 ug/L m

response 1035

Ion	Exp%	Act%
41.10	100.00	100.00
43.10	120.40	87.58#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

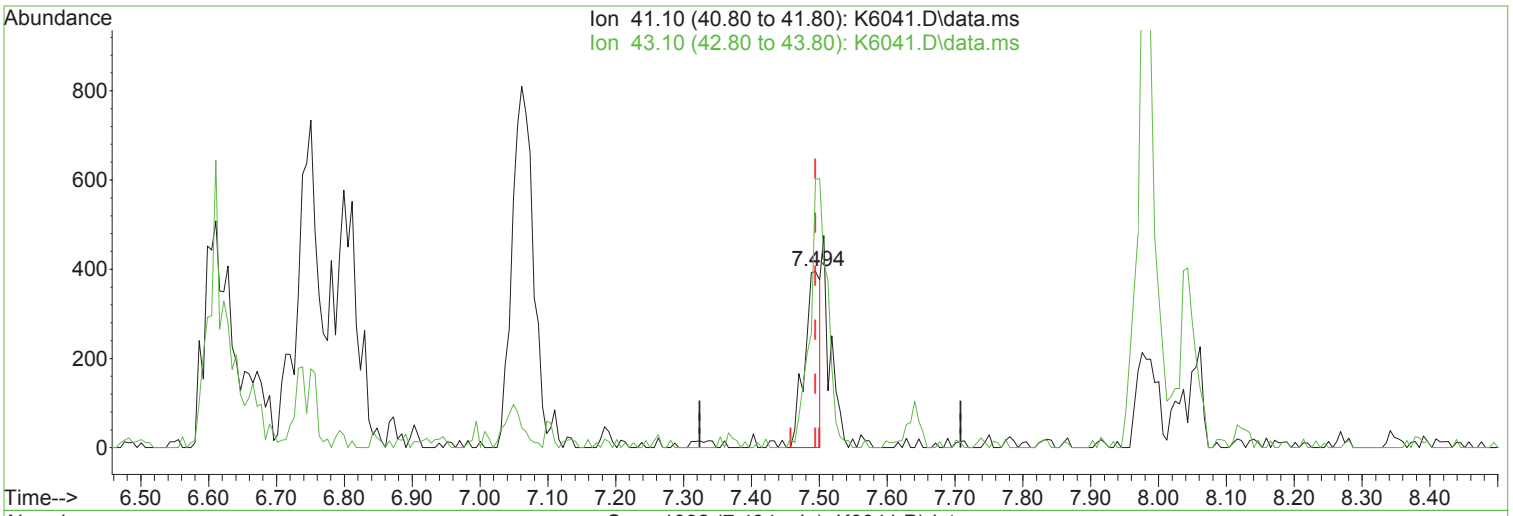
Split Peak.

09/18/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



TIC: K6041.D\data.ms

(60) 2-Nitropropane

7.494min (-0.000) 0.64 ug/L

response 639

Ion	Exp%	Act%
41.10	100.00	100.00
43.10	120.40	152.41#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

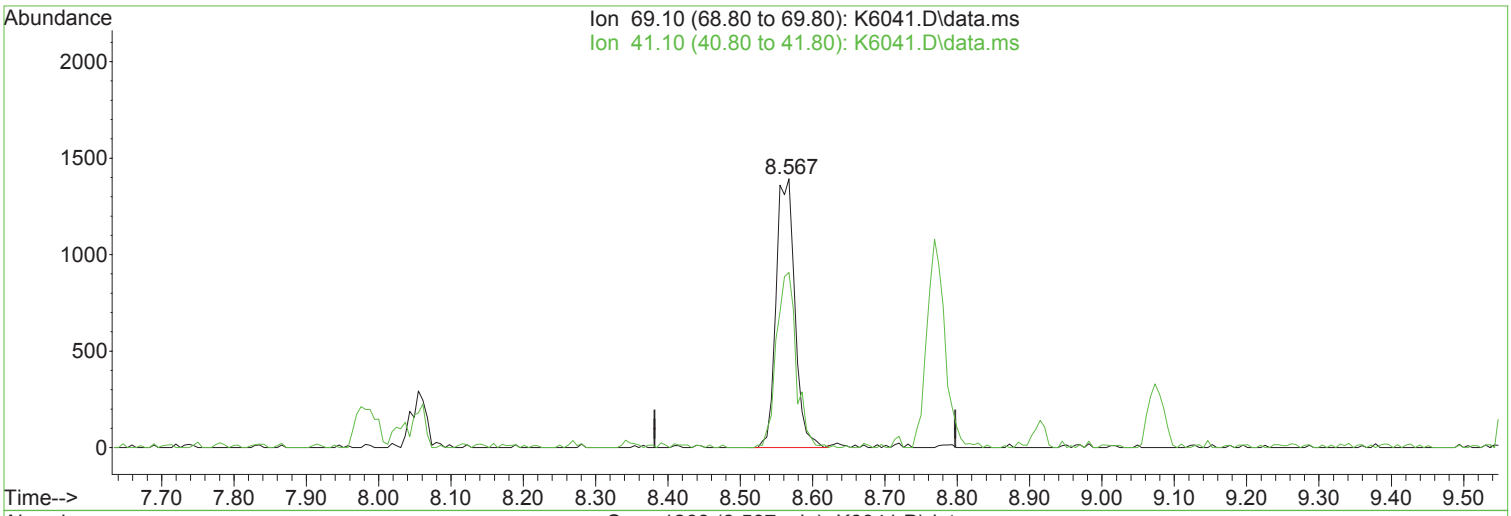
Before

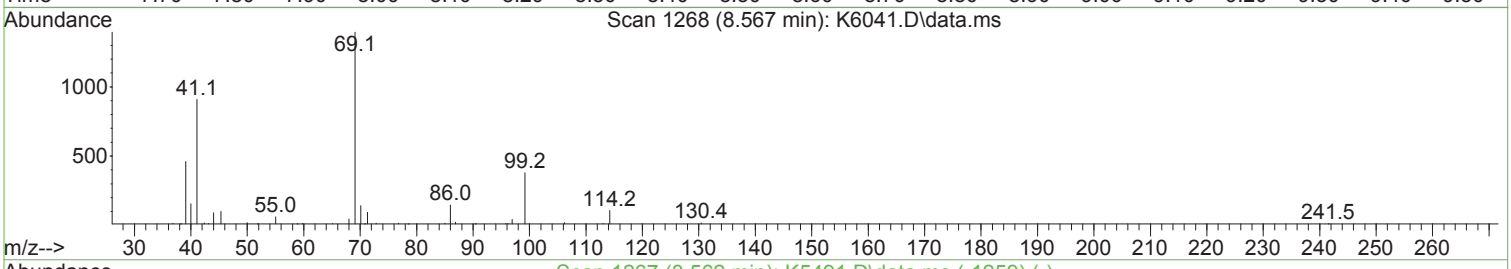
09/18/24

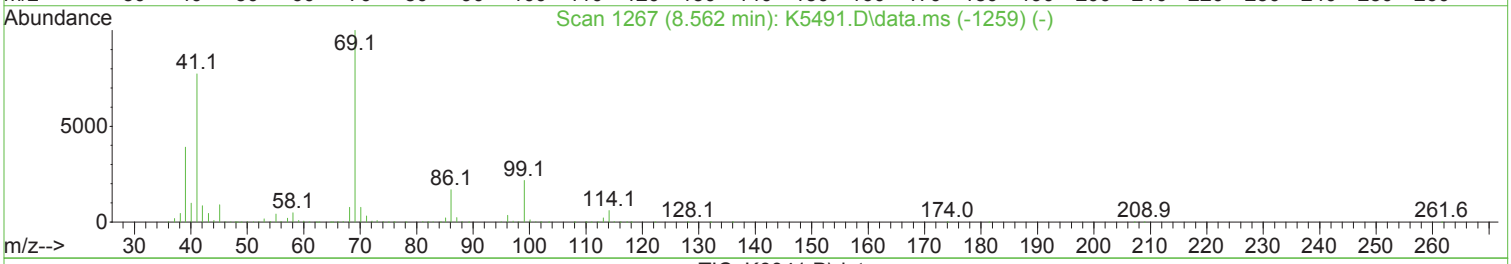
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(67) Ethyl Methacrylate

8.567min (+ 0.006) 0.49 ug/L m

response 2519

Ion	Exp%	Act%
69.10	100.00	100.00
41.10	77.40	65.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

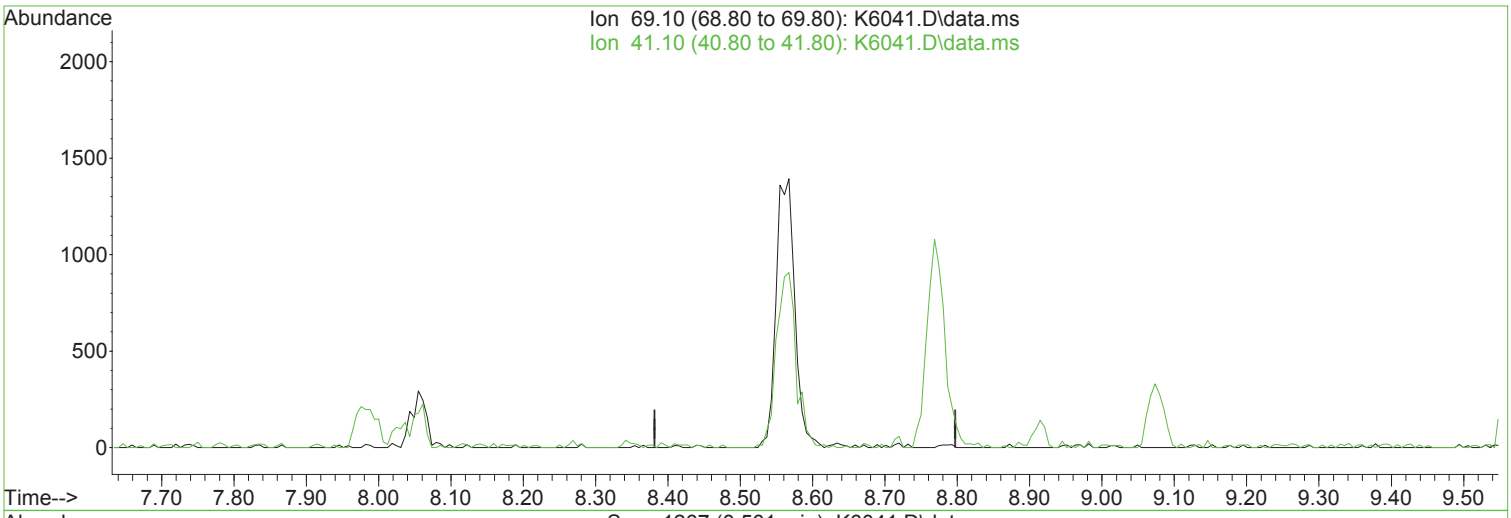
Peak not found.

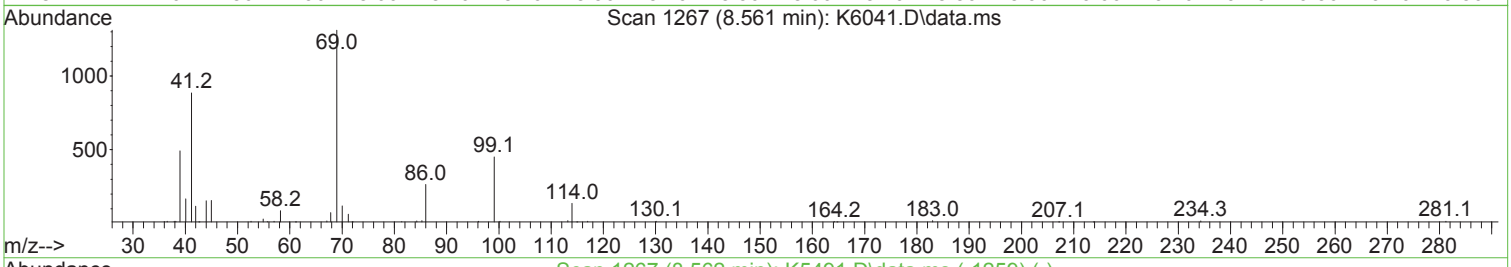
09/18/24

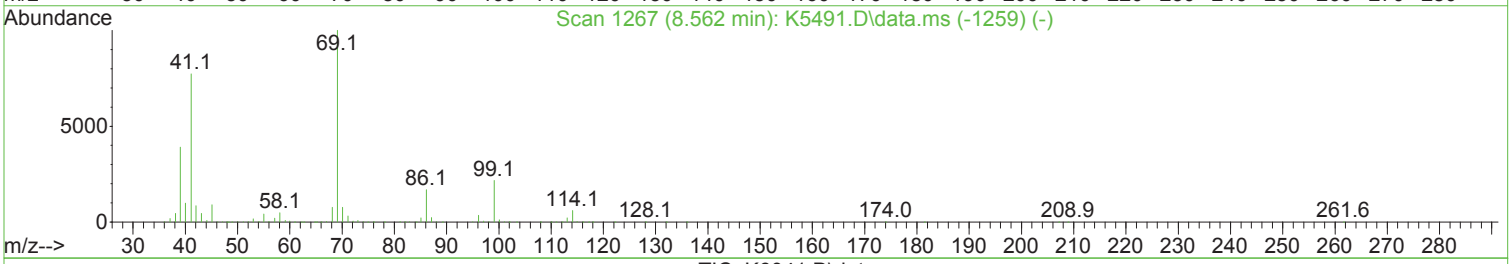
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(67) Ethyl Methacrylate

8.562min (-8.562) 0.00 ug/L

response 0

Ion	Exp%	Act%
69.10	100.00	0.00
41.10	77.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

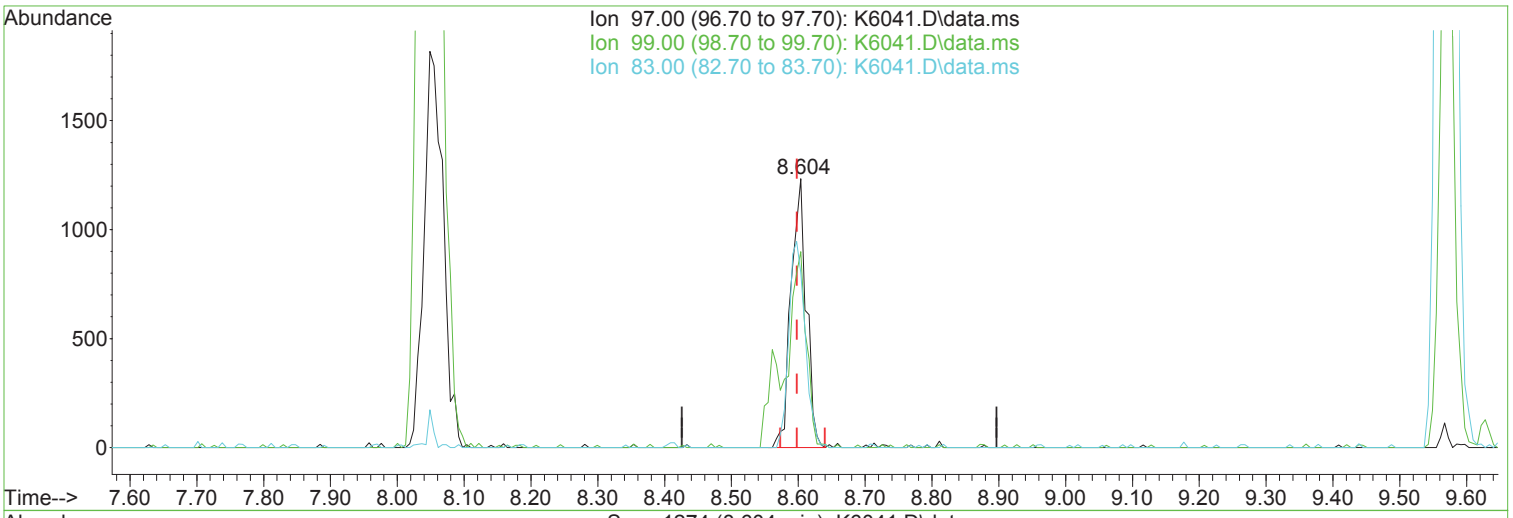
Before

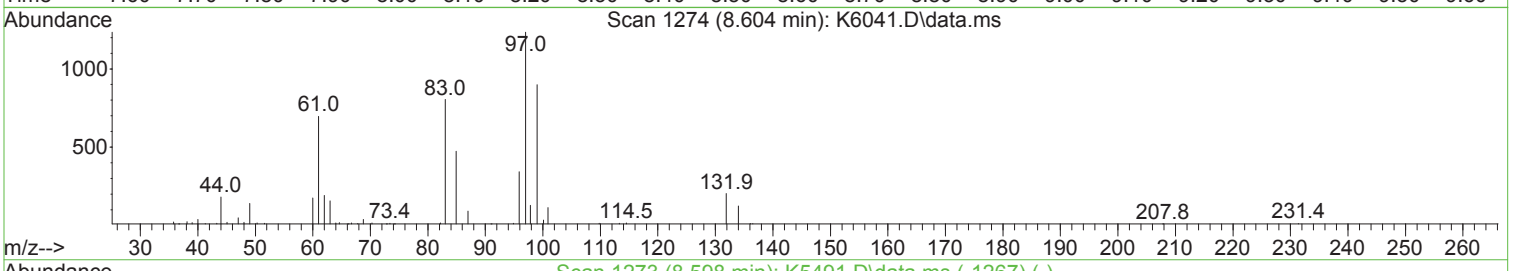
09/18/24

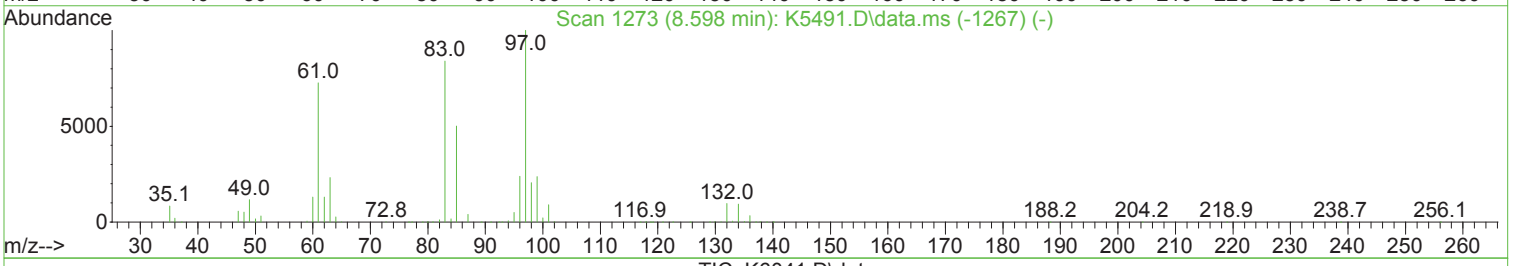
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(68) 1,1,2-Trichloroethane (P)

8.604min (+ 0.006) 0.53 ug/L m

response 1969

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.40	72.77
83.00	83.50	65.15
0.00	0.00	0.00

Manual Integration:

After

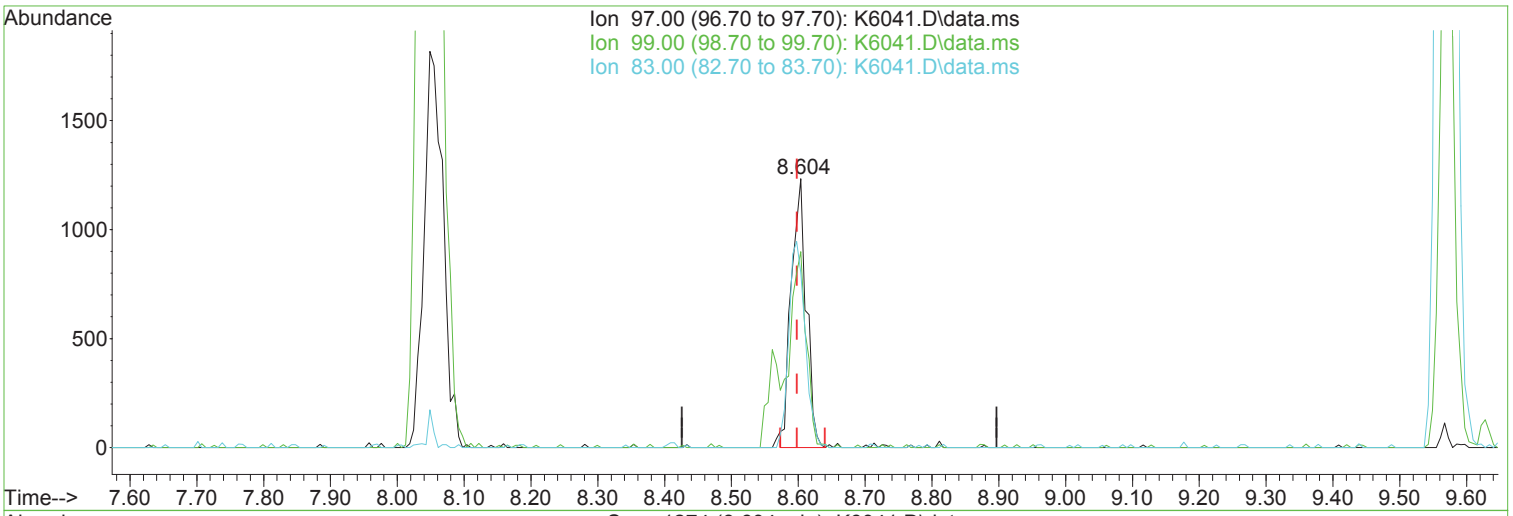
Poor integration.

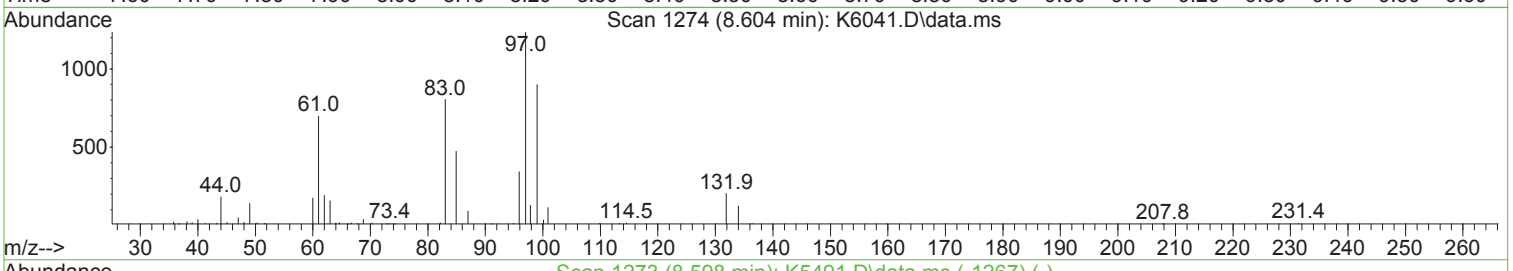
09/18/24

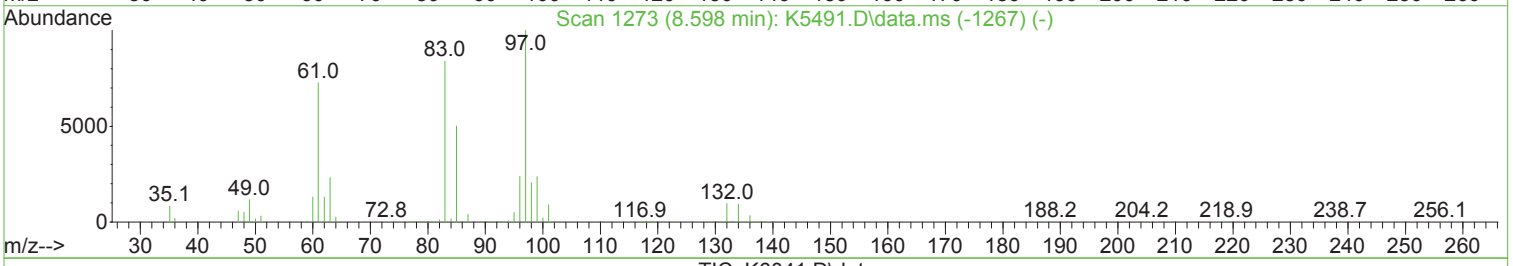
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(68) 1,1,2-Trichloroethane (P)

8.604min (+ 0.006) 0.52 ug/L

response 1926

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.40	72.77
83.00	83.50	65.15
0.00	0.00	0.00

Manual Integration:

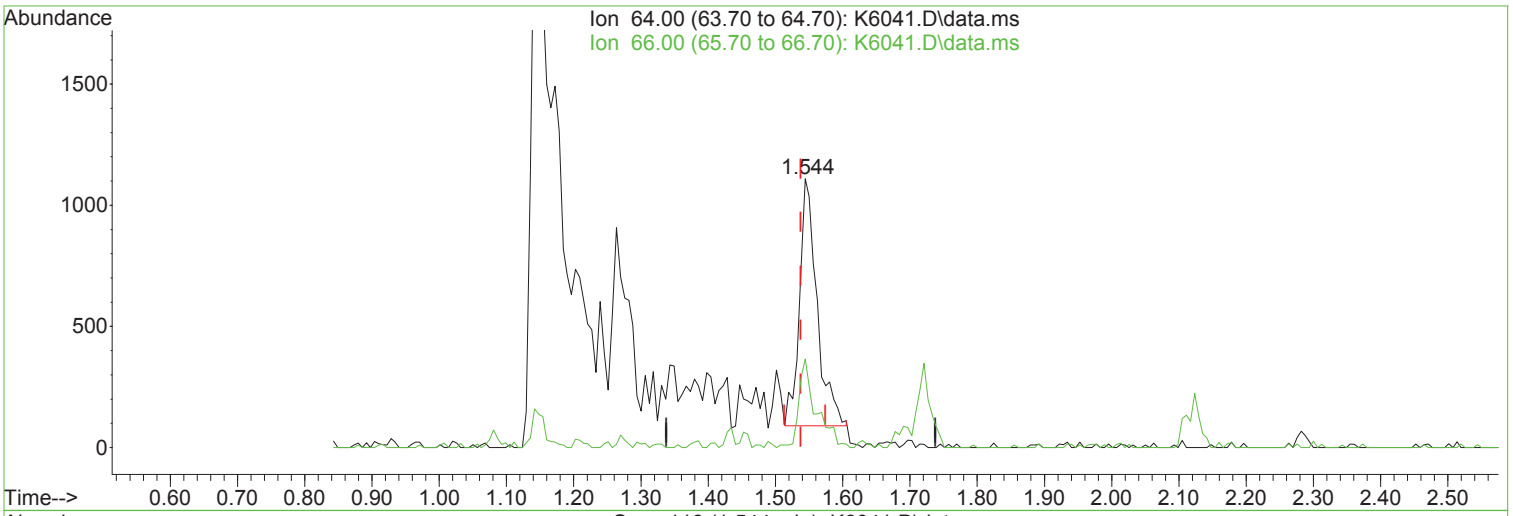
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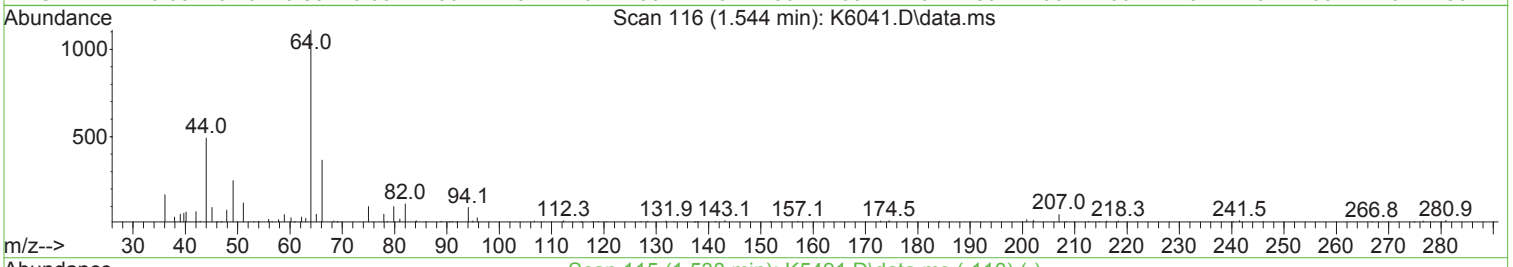
09/18/24

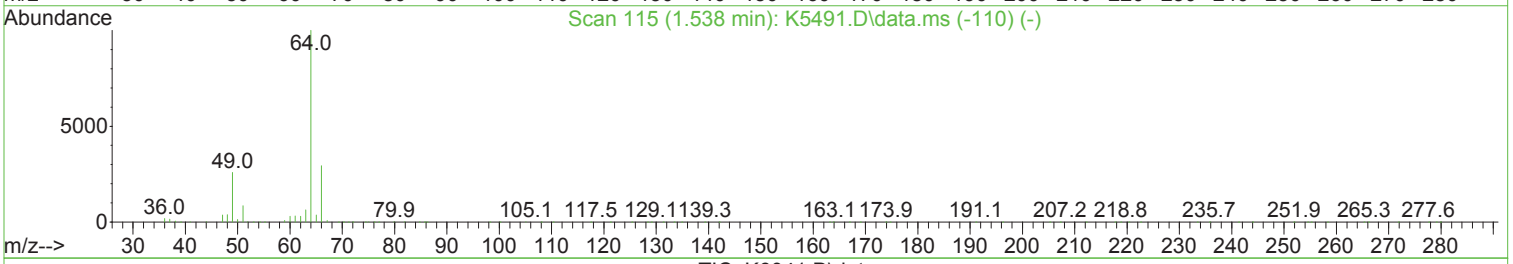
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(7) Chloroethane (P)

1.544min (+ 0.006) 0.67 ug/L m

response 1862

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	29.40	32.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

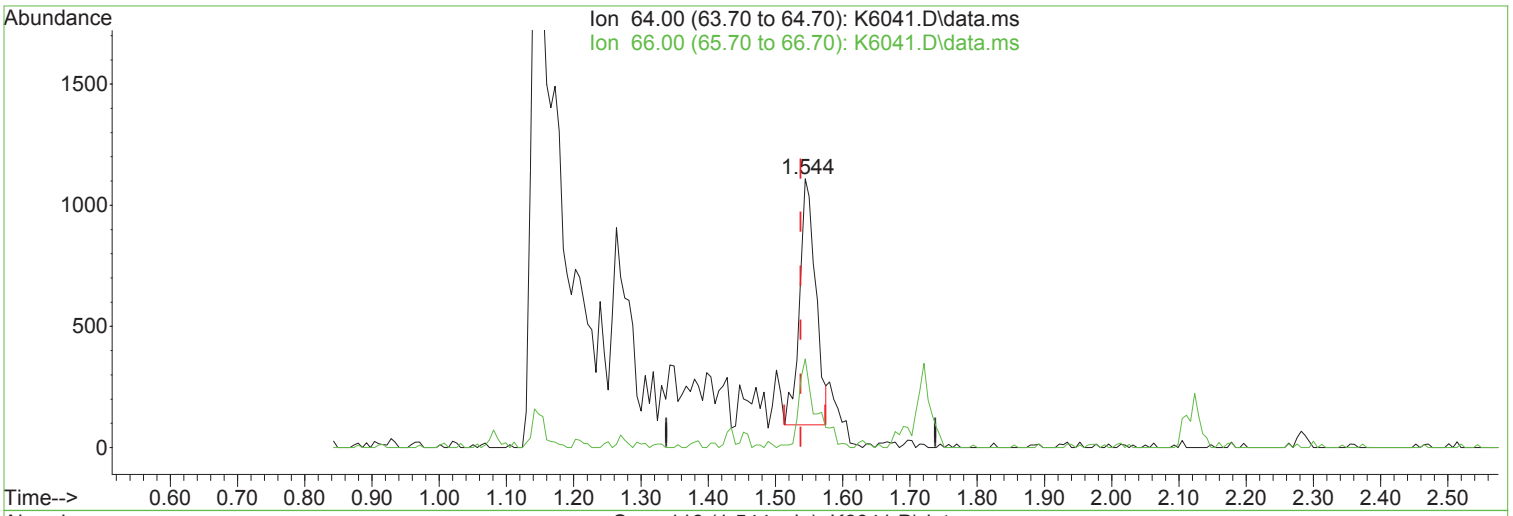
Poor integration.

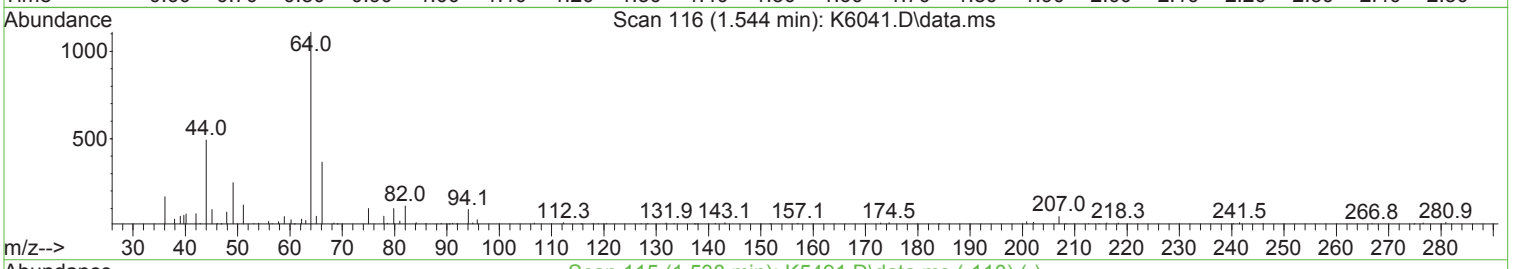
09/18/24

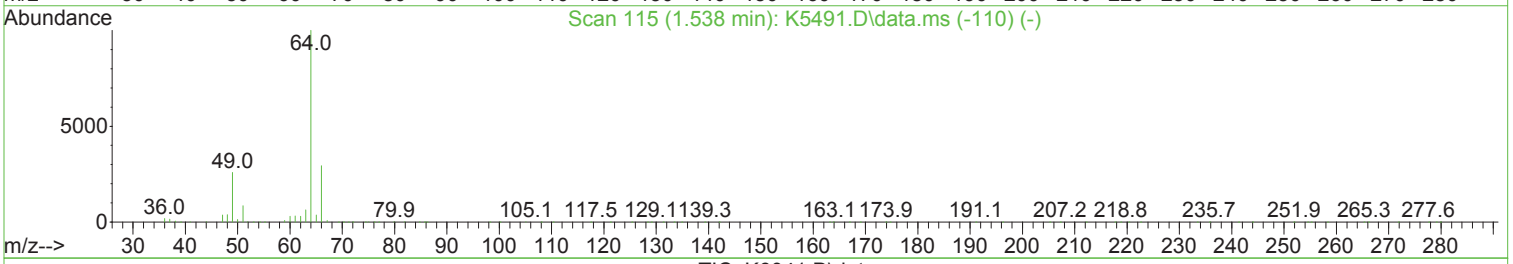
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(7) Chloroethane (P)

1.544min (+ 0.006) 0.61 ug/L

response 1702

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	29.40	32.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

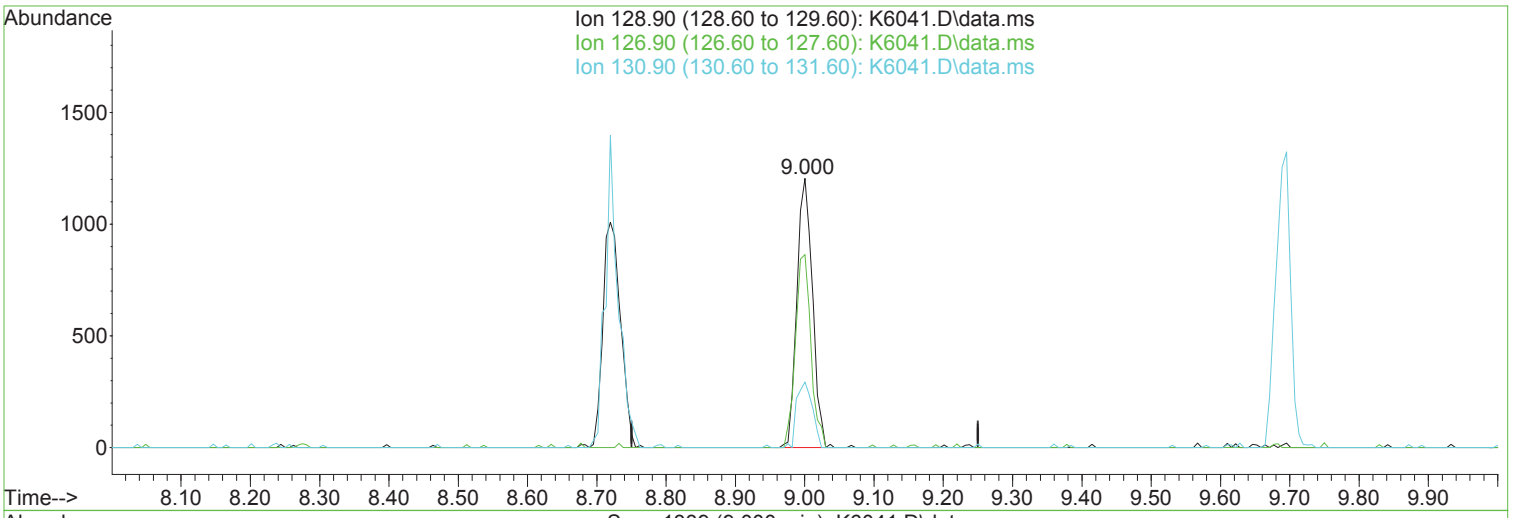
Before

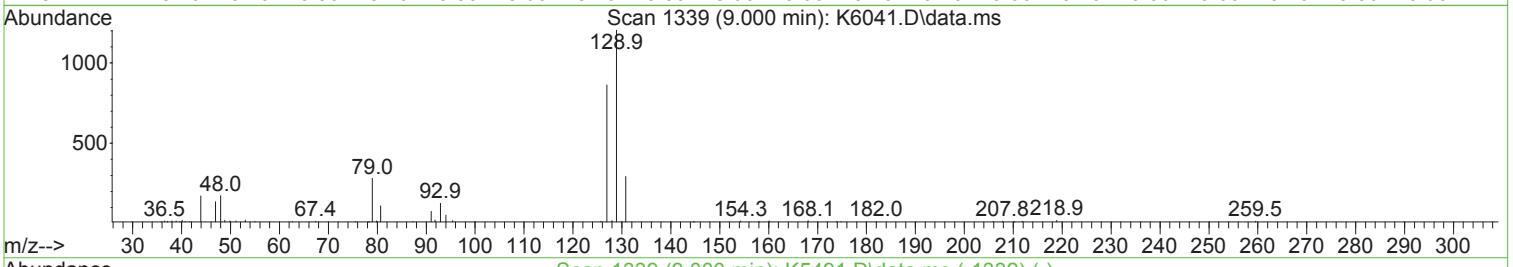
09/18/24

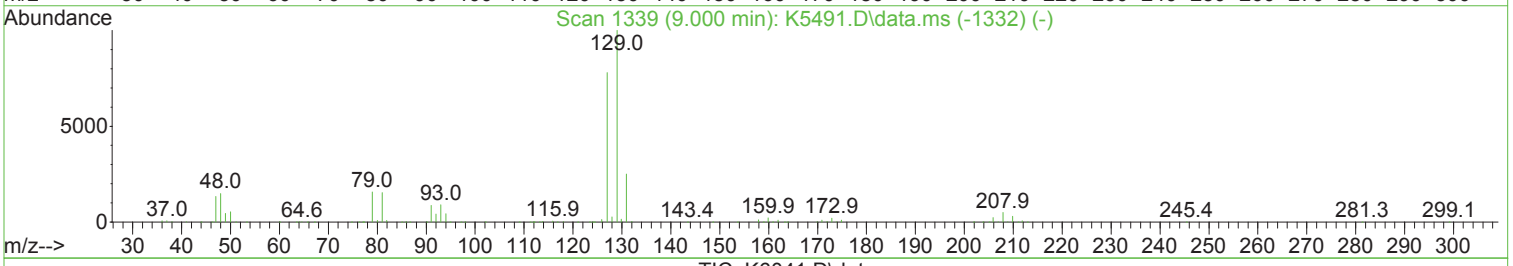
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(74) Dibromochloromethane (P)

9.000min (-0.000) 0.49 ug/L m

response 1880

Ion	Exp%	Act%
128.90	100.00	100.00
126.90	78.00	71.76
130.90	25.00	24.42
0.00	0.00	0.00

Manual Integration:

After

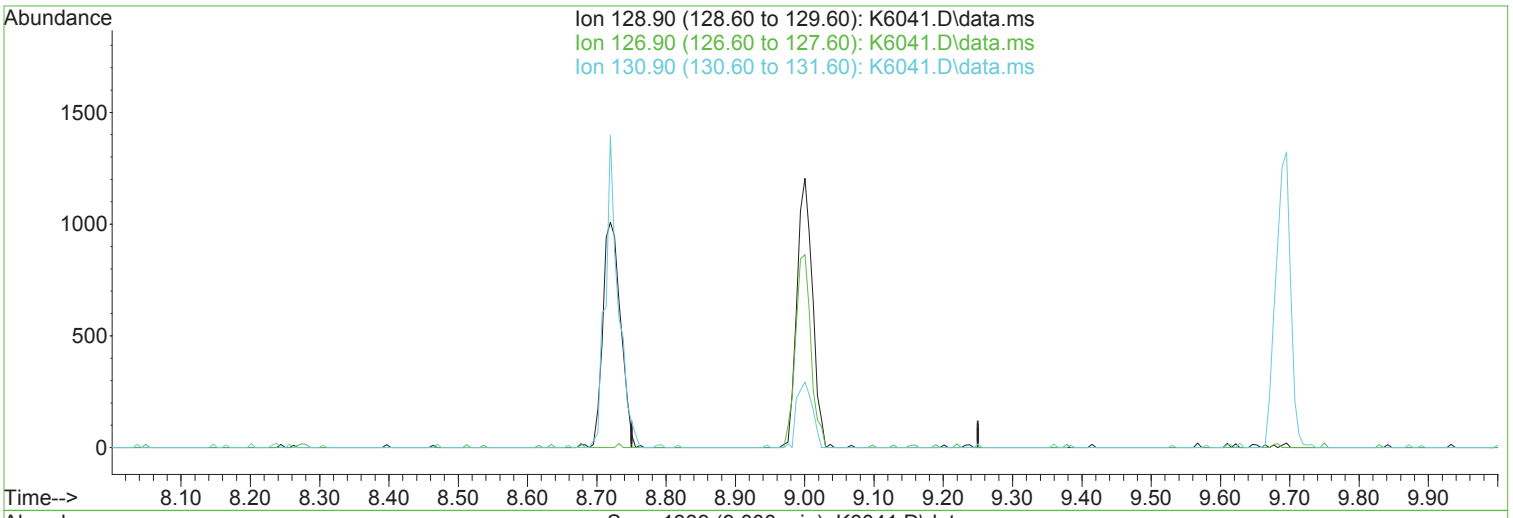
Peak not found.

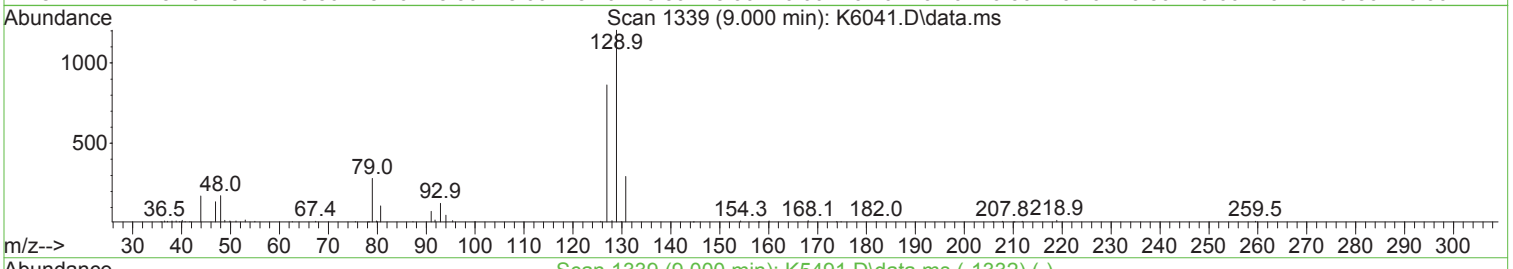
09/18/24

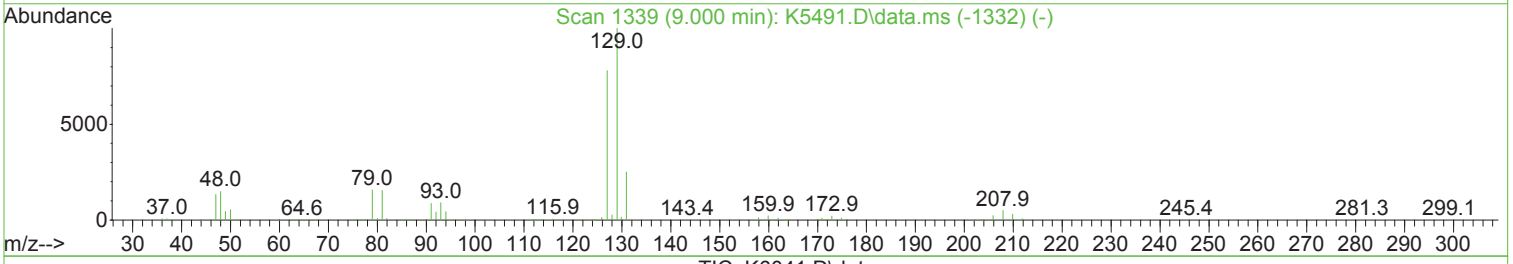
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(74) Dibromochloromethane (P)

9.000min (-9.000) 0.00 ug/L

response 0

Ion	Exp%	Act%
128.90	100.00	0.00
126.90	78.00	0.00#
130.90	25.00	0.00#
0.00	0.00	0.00

Manual Integration:

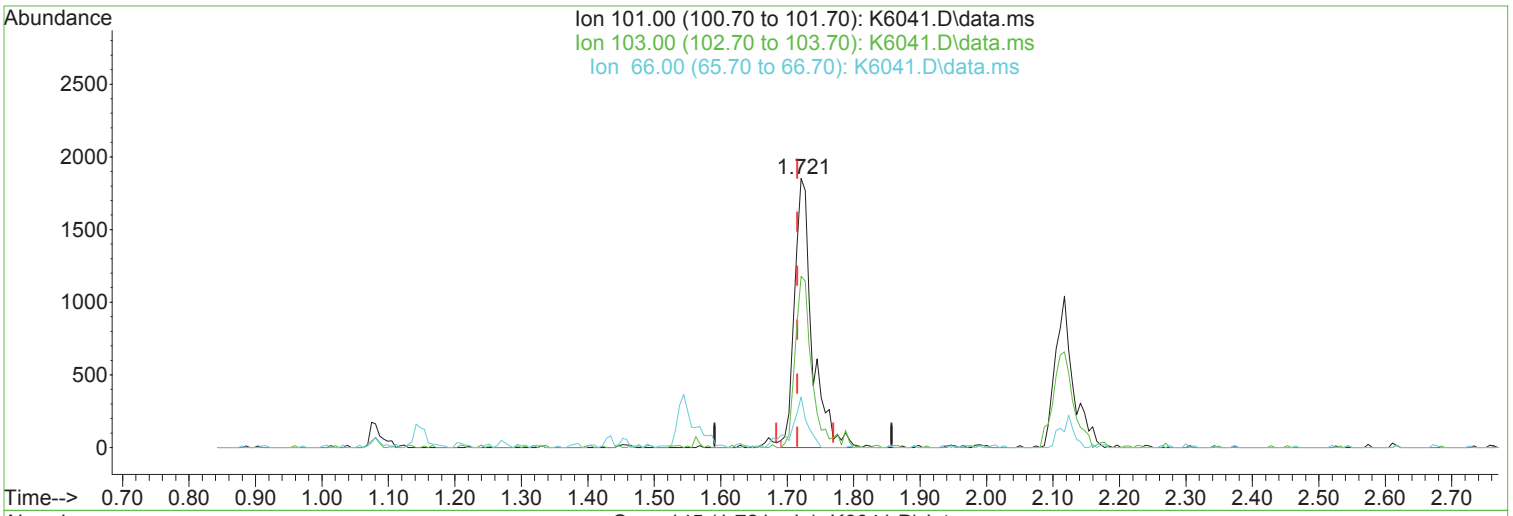
Before

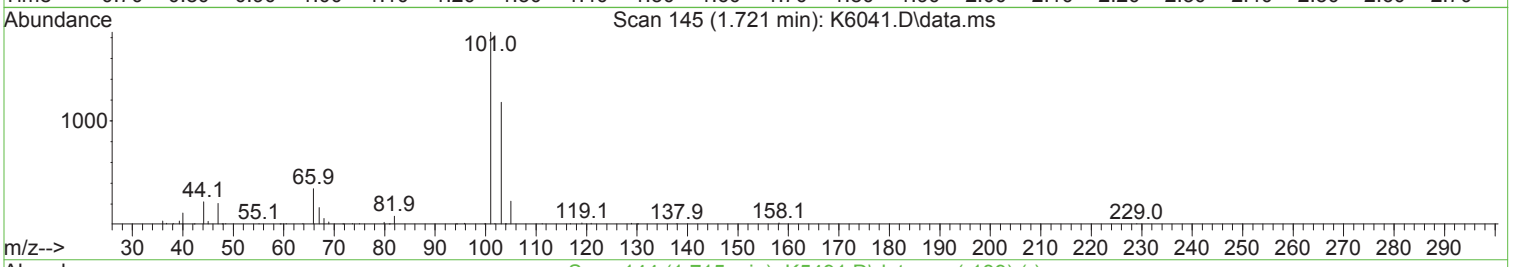
09/18/24

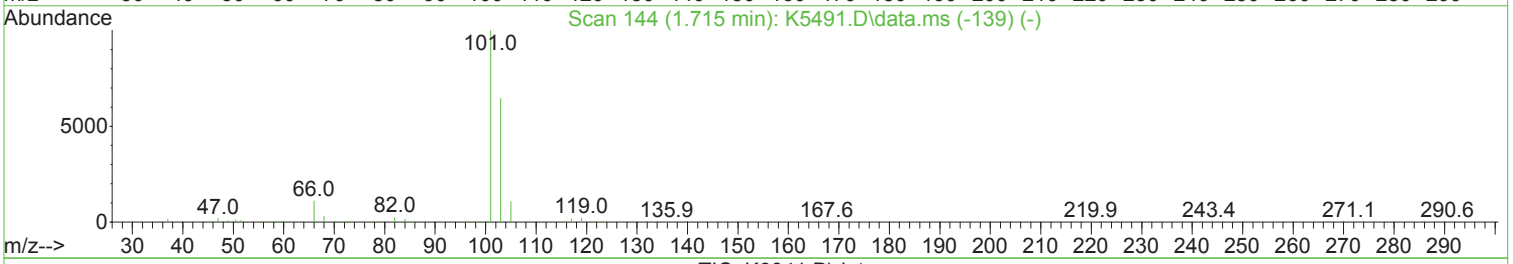
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(9) Trichlorofluoromethane (P)

1.721min (+ 0.006) 0.60 ug/L m

response 3430

Ion	Exp%	Act%
101.00	100.00	100.00
103.00	64.40	63.70
66.00	13.40	18.75
0.00	0.00	0.00

Manual Integration:

After

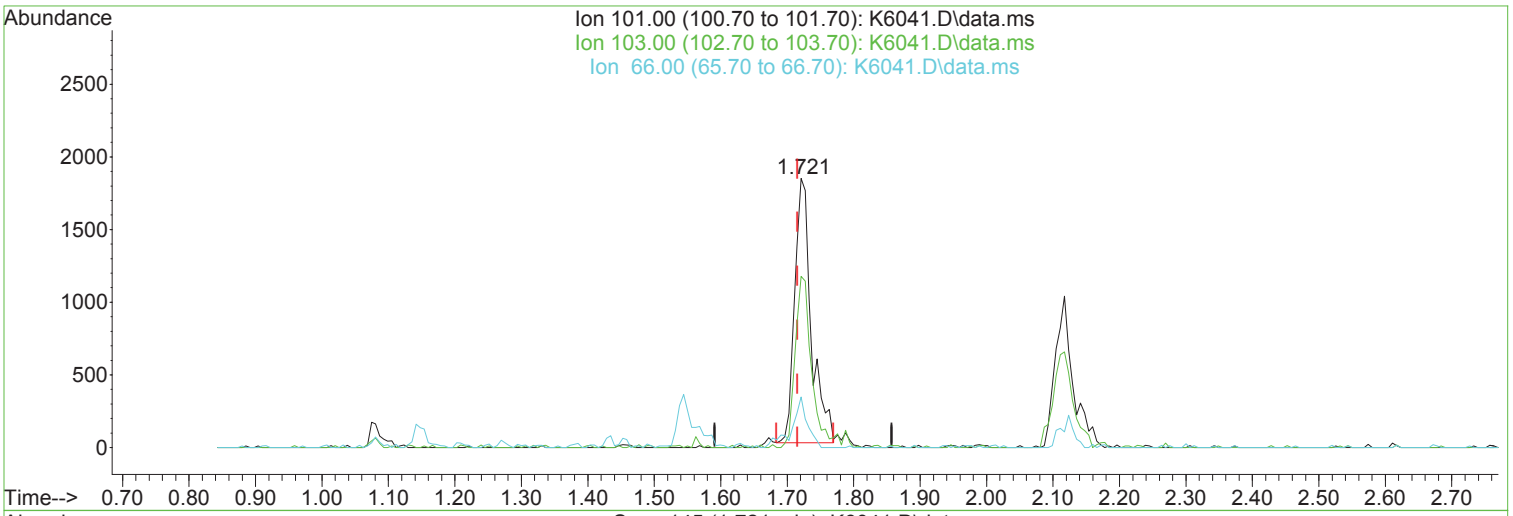
Poor integration.

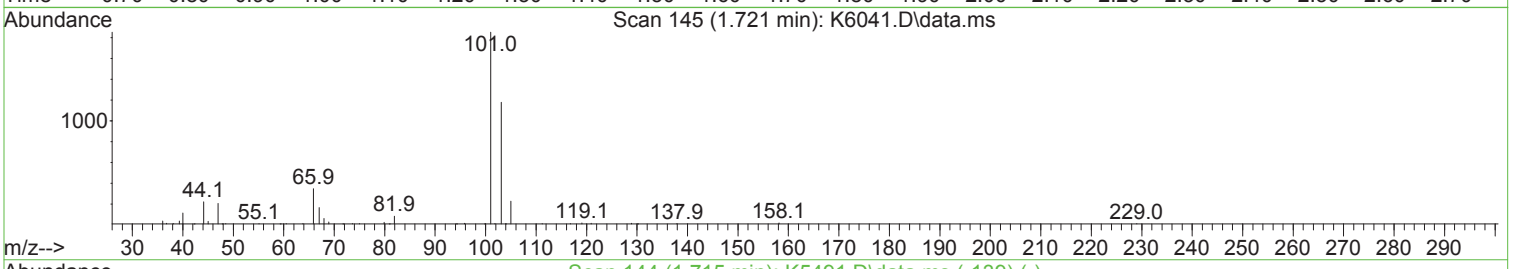
09/18/24

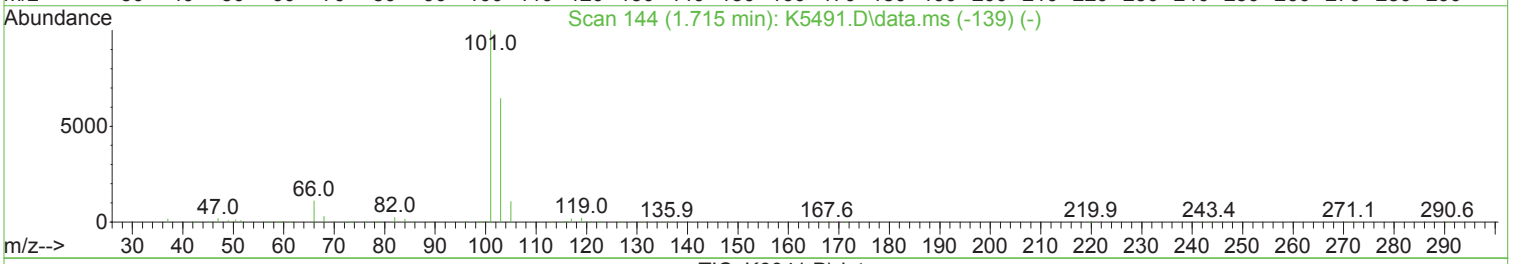
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6041.D\data.ms

(9) Trichlorofluoromethane (P)

1.721min (+ 0.006) 0.55 ug/L

response 3157

Ion	Exp%	Act%
101.00	100.00	100.00
103.00	64.40	63.70
66.00	13.40	18.75
0.00	0.00	0.00

Manual Integration:

Before

09/18/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	436092	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	670525	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	559142	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	273709	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	39207	9.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 19.34%#			
47) surr1,1,2-dichloroetha...	5.421	65	47745	10.34	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.68%#			
64) SURR3,Toluene-d8	8.049	98	164440	10.83	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.66%#			
69) SURR2,BFB	10.658	95	62399	11.35	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.70%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.087	51	2304	0.541	ug/L	86
3) Dichlorodifluoromethane	1.075	85	2226m	0.620	ug/L	
4) Chloromethane	1.197	50	2623	0.573	ug/L	91
5) Vinyl Chloride	1.264	62	2619m	0.605	ug/L	
6) Bromomethane	1.477	94	1924m	0.779	ug/L	
7) Chloroethane	1.544	64	1862m	0.672	ug/L	
8) Freon 21	1.678	67	3544	0.544	ug/L	97
9) Trichlorofluoromethane	1.721	101	3430m	0.602	ug/L	
10) Diethyl Ether	1.940	59	2249m	0.601	ug/L	
11) Freon 123a	1.940	67	2224	0.540	ug/L	97
12) Freon 123	1.989	83	2555	0.512	ug/L	83
13) Acrolein	2.032	56	3081	2.672	ug/L	91
14) 1,1-Diclethene	2.105	96	2110	0.594	ug/L #	62
15) Freon 113	2.117	101	1952m	0.557	ug/L	
16) Acetone	2.154	43	1128	0.670	ug/L	67
17) 2-Propanol	2.282	45	3397	11.394	ug/L	99
18) Iodomethane	2.227	142	2337	0.422	ug/L	84
19) Carbon Disulfide	2.282	76	4570	0.525	ug/L	96
20) Acetonitrile/Allyl Chl...	2.416	41	4161m	3.336	ug/L	
21) Methyl Acetate	2.446	43	1910	0.578	ug/L	87
22) Methylene Chloride	2.526	84	2862	0.706	ug/L #	79
23) TBA	2.654	59	5851	10.633	ug/L	95
24) Acrylonitrile	2.763	53	5243m	2.692	ug/L	
25) Methyl-t-Butyl Ether	2.800	73	6124	0.556	ug/L	98
26) trans-1,2-Dichloroethene	2.788	96	2349m	0.617	ug/L	
27) 1,1-Diclethane	3.245	63	3697	0.536	ug/L	85
29) DIPE	3.367	45	6344	0.552	ug/L	88
30) 2-Chloro-1,3-Butadiene	3.361	53	3603m	0.581	ug/L	
31) ETBE	3.855	59	6605m	0.515	ug/L	
32) 2,2-Dichloropropane	4.013	77	2556m	0.531	ug/L	
33) cis-1,2-Dichloroethene	4.013	96	2104	0.519	ug/L #	72
35) Propionitrile	4.166	54	2077	2.533	ug/L	81
36) Bromochloromethane	4.379	130	1710	0.584	ug/L #	85
37) Methacrylonitrile	4.422	67	991m	0.527	ug/L	
38) Tetrahydrofuran	4.513	42	729	0.544	ug/L	68
39) Chloroform	4.550	83	3486m	0.556	ug/L	
40) 1,1,1-Trichloroethane	4.824	97	3121m	0.613	ug/L	
41) TAME	5.775	73	5362m	0.522	ug/L	
43) Cyclohexane	4.928	41	1700m	0.552	ug/L	

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
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Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Carbontetrachloride	5.135	117	2877	0.579	ug/L	#	57
46) 1,1-Dichloropropene	5.147	75	2726	0.564	ug/L		79
48) Benzene	5.501	78	7772	0.541	ug/L		98
49) 1,2-Dichloroethane	5.549	62	2969	0.535	ug/L		97
50) Iso-Butyl Alcohol	5.574	43	1647m	8.285	ug/L		
51) n-Heptane	6.031	43	2629	0.512	ug/L		98
52) 1-Butanol	6.610	56	2434m	18.106	ug/L		
53) Trichloroethene	6.513	130	2482	0.550	ug/L		90
54) Methylcyclohexane	6.744	55	3187	0.546	ug/L	#	87
55) 1,2-Diclpropane	6.805	63	2346m	0.598	ug/L		
56) Dibromomethane	6.952	93	1366	0.559	ug/L		91
57) 1,4-Dioxane	7.061	88	474m	7.795	ug/L		
58) Methyl Methacrylate	7.055	69	1595	0.542	ug/L	#	66
59) Bromodichloromethane	7.195	83	2273	0.507	ug/L		96
60) 2-Nitropropane	7.506	41	1035m	1.034	ug/L		
61) 2-Chloroethylvinyl Ether	7.628	63	264	0.450	ug/L		76
62) cis-1,3-Dichloropropene	7.750	75	2692	0.493	ug/L		92
63) 4-Methyl-2-pentanone	7.976	43	1951	0.492	ug/L		97
65) Toluene	8.122	91	8468	0.526	ug/L		94
66) trans-1,3-Dichloropropene	8.409	75	2345	0.473	ug/L		86
67) Ethyl Methacrylate	8.567	69	2519m	0.487	ug/L		
68) 1,1,2-Trichloroethane	8.604	97	1969m	0.527	ug/L		
71) Tetrachloroethene	8.726	164	2013	0.591	ug/L	#	66
72) 2-Hexanone	8.909	43	1336	0.468	ug/L	#	74
73) 1,3-Dichloropropane	8.774	76	3074	0.527	ug/L	#	77
74) Dibromochloromethane	9.000	129	1880m	0.490	ug/L		
75) N-Butyl Acetate	9.073	43	3083	0.499	ug/L		92
76) 1,2-Dibromoethane	9.091	107	2114	0.543	ug/L		86
77) 3-Chlorobenzotrifluoride	9.628	180	3483	0.572	ug/L		93
78) Chlorobenzene	9.597	112	6695	0.602	ug/L		92
79) 4-Chlorobenzotrifluoride	9.683	180	2767	0.516	ug/L		92
80) 1,1,1,2-Tetrachloroethane	9.695	131	1962	0.500	ug/L		86
81) Ethylbenzene	9.719	106	3203	0.561	ug/L	#	74
82) (m+p)Xylene	9.841	106	7906	1.122	ug/L	#	81
83) o-Xylene	10.201	106	3840	0.555	ug/L	#	76
84) Styrene	10.213	104	5748	0.505	ug/L		95
85) Bromoform	10.366	173	942	0.418	ug/L		91
86) 2-Chlorobenzotrifluoride	10.451	180	3185	0.557	ug/L		88
87) Isopropylbenzene	10.536	105	8938	0.539	ug/L		98
88) Cyclohexanone	10.610	55	7350	7.595	ug/L		96
89) trans-1,4-Dichloro-2-B...	10.853	53	610	0.427	ug/L	#	73
91) 1,1,2,2-Tetrachloroethane	10.805	83	2590	0.548	ug/L		83
92) Bromobenzene	10.780	156	2847	0.650	ug/L	#	80
93) 1,2,3-Trichloropropane	10.835	110	1013	0.611	ug/L		93
94) n-Propylbenzene	10.896	91	10662	0.566	ug/L		92
95) 2-Chlorotoluene	10.957	91	6850	0.612	ug/L		93
96) 3-Chlorotoluene	11.012	91	6830	0.588	ug/L		80
97) 4-Chlorotoluene	11.048	91	7755	0.591	ug/L		95
98) 1,3,5-Trimethylbenzene	11.055	105	7959	0.556	ug/L		93
99) tert-Butylbenzene	11.323	119	7176	0.565	ug/L		93
100) 1,2,4-Trimethylbenzene	11.365	105	7734	0.545	ug/L		93
101) 3,4-Dichlorobenzotrifl...	11.433	214	2213	0.550	ug/L		93
102) sec-Butylbenzene	11.506	105	9961	0.556	ug/L		95
103) p-Isopropyltoluene	11.634	119	8383	0.545	ug/L		91
104) 1,3-Dclbenz	11.585	146	5071	0.597	ug/L		96
105) 1,4-Dclbenz	11.658	146	5217	0.614	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

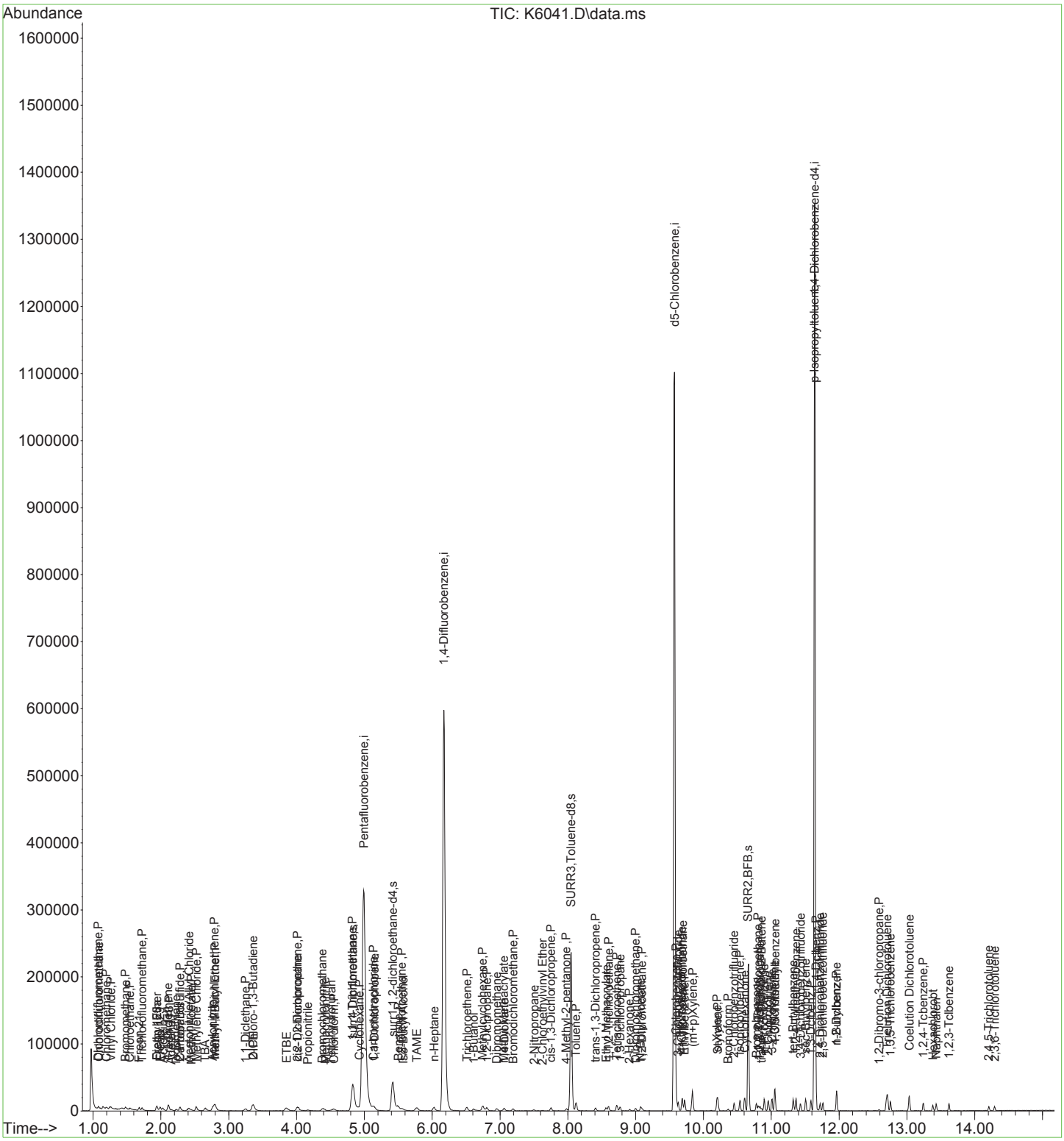
Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) 2,4-Dichlorobenzotrifl...	11.719	214	2115	0.596	ug/L		91
107) 2,5-Dichlorobenzotrifl...	11.762	214	2448	0.616	ug/L		89
108) n-Butylbenzene	11.963	91	7118	0.553	ug/L		92
109) 1,2-Dclbenz	11.963	146	4961	0.601	ug/L		97
110) 1,2-Dibromo-3-chloropr...	12.591	157	407	0.387	ug/L	#	80
111) Trielution Dichlorotol...	12.713	125	12307	1.595	ug/L		94
112) 1,3,5-Trichlorobenzene	12.755	180	3063	0.514	ug/L		95
113) Coelution Dichlorotoluene	13.036	125	7966	1.003	ug/L		91
114) 1,2,4-Tcbenzene	13.243	180	3261	0.582	ug/L		89
115) Hexachlorobt	13.383	225	1175	0.503	ug/L	#	71
116) Naphthalen	13.432	128	6393	0.426	ug/L		100
117) 1,2,3-Tclbenzene	13.621	180	2762	0.524	ug/L		99
118) 2,4,5-Trichlorotoluene	14.206	159	1547	0.402	ug/L		88
119) 2,3,6-Trichlorotoluene	14.298	159	1303	0.381	ug/L		87

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6041.D
Acq On : 18 Sep 2024 11:42 am
Operator : K.Ruest
Sample : 0.5ppb
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

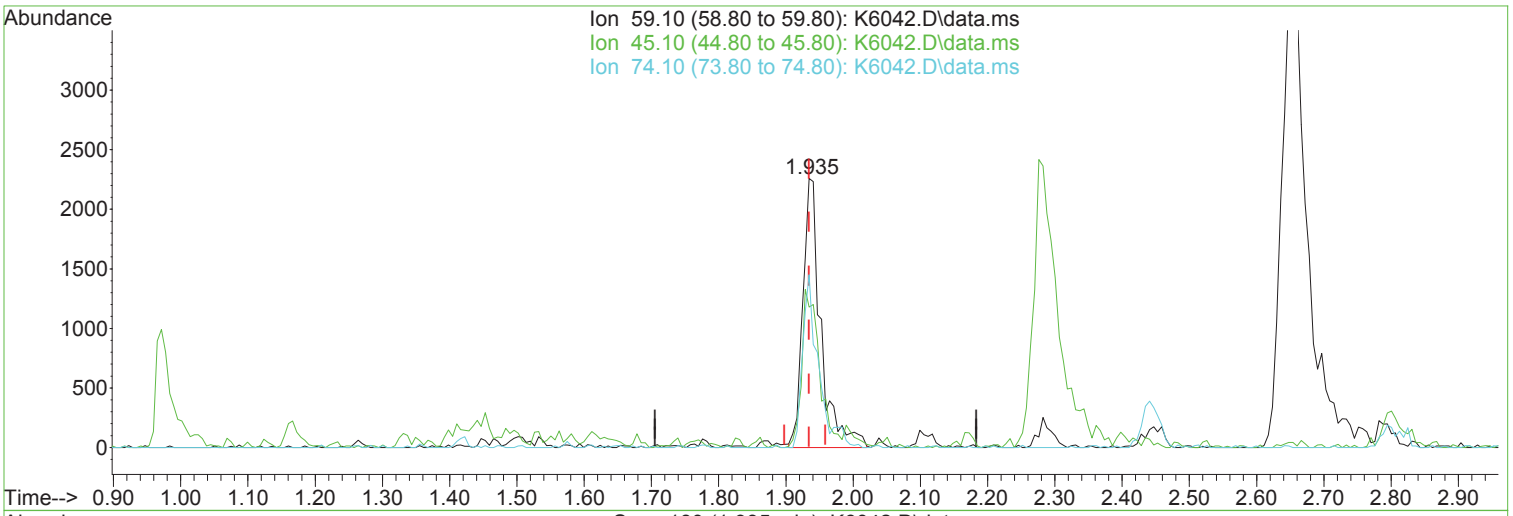
Quant Time: Sep 18 18:56:27 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

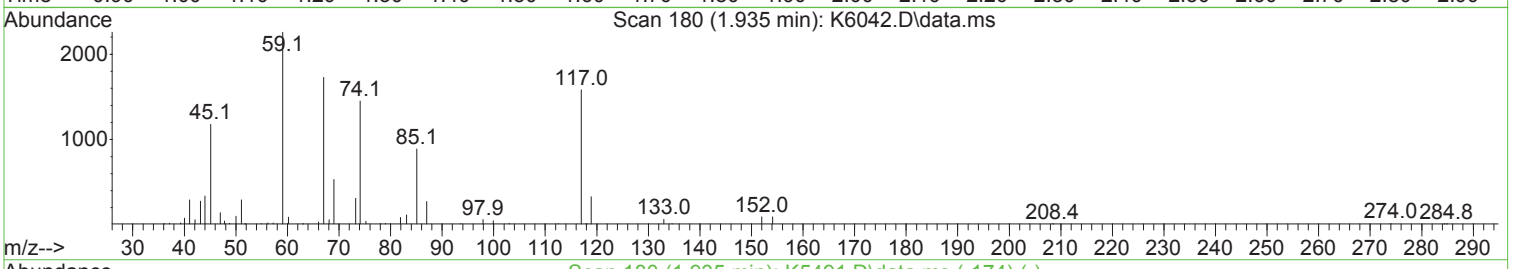


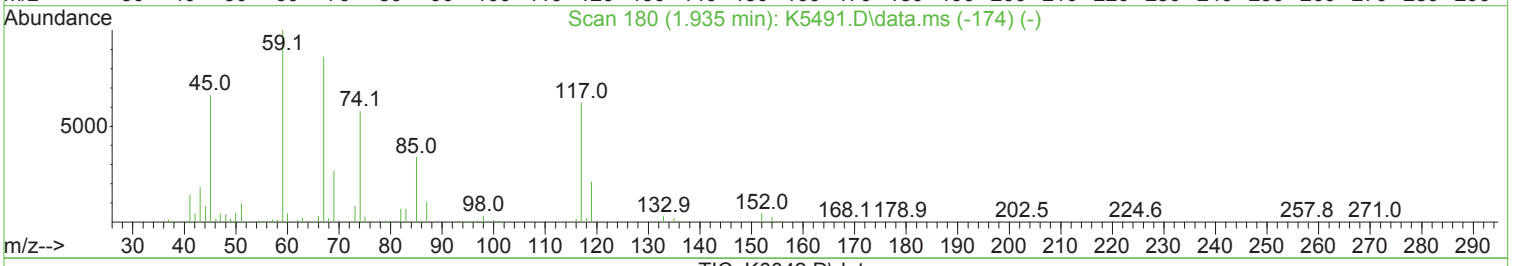
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(10) Diethyl Ether

1.935min (-0.000) 1.12 ug/L m

response 4227

Ion	Exp%	Act%
59.10	100.00	100.00
45.10	66.20	52.17
74.10	57.80	64.26
0.00	0.00	0.00

Manual Integration:

After

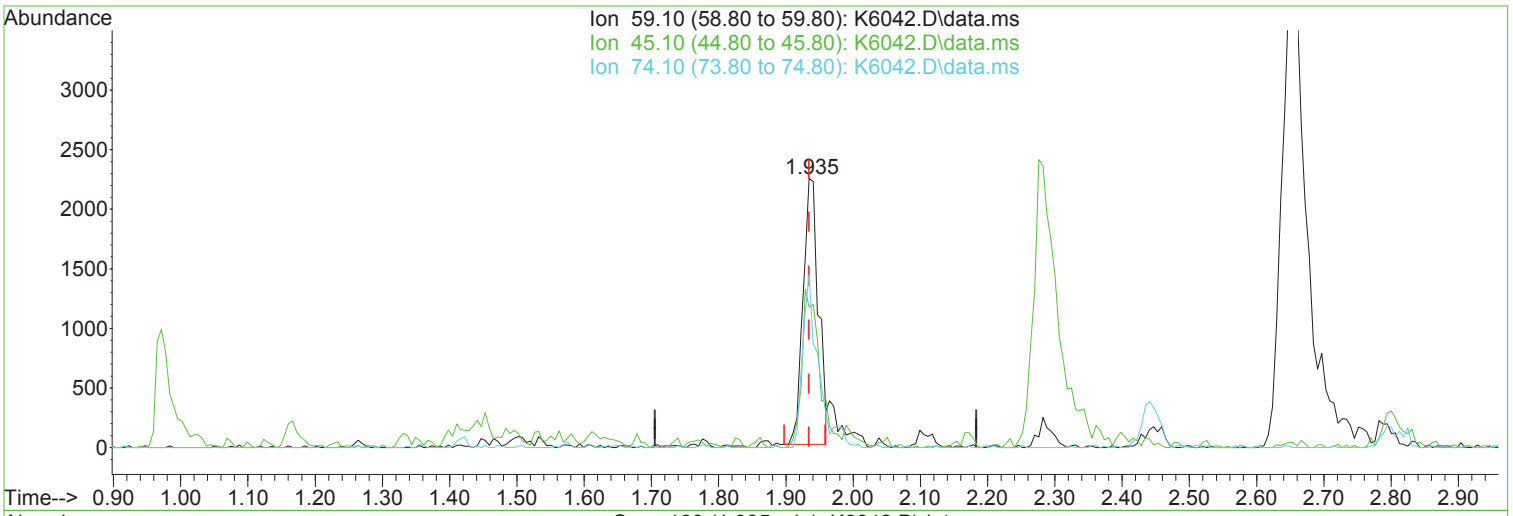
Poor integration.

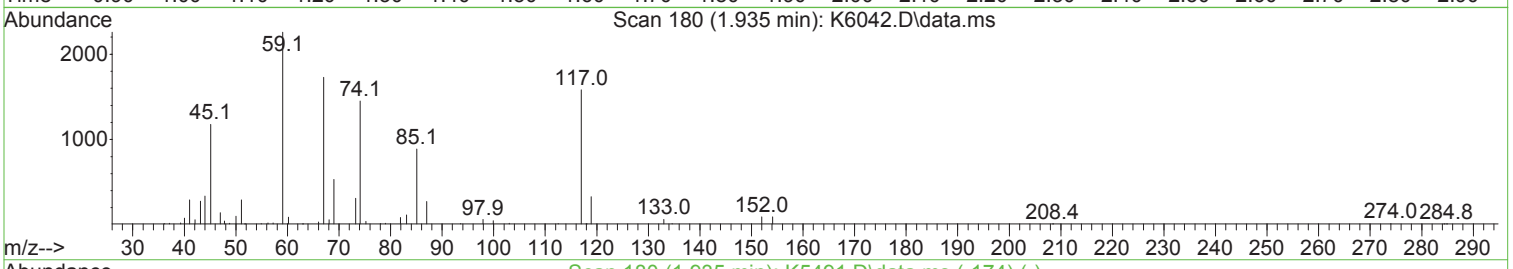
09/19/24

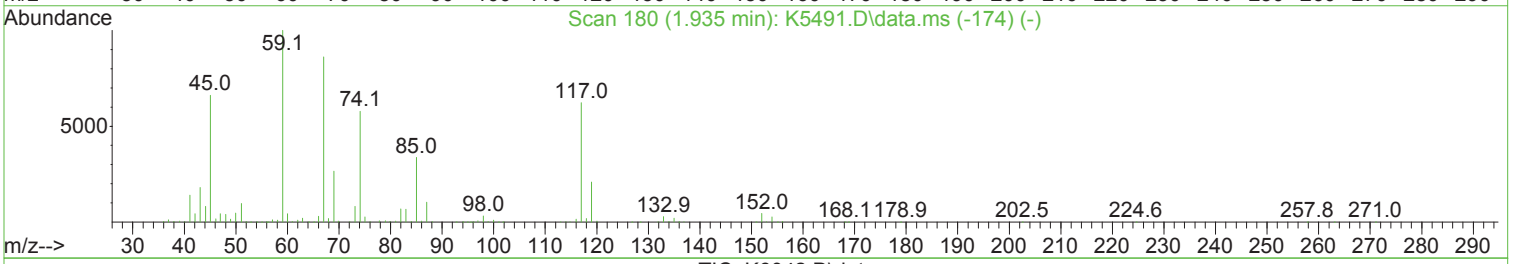
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(10) Diethyl Ether

1.935min (-0.000) 0.94 ug/L

response 3547

Ion	Exp%	Act%
59.10	100.00	100.00
45.10	66.20	52.17
74.10	57.80	64.26
0.00	0.00	0.00

Manual Integration:

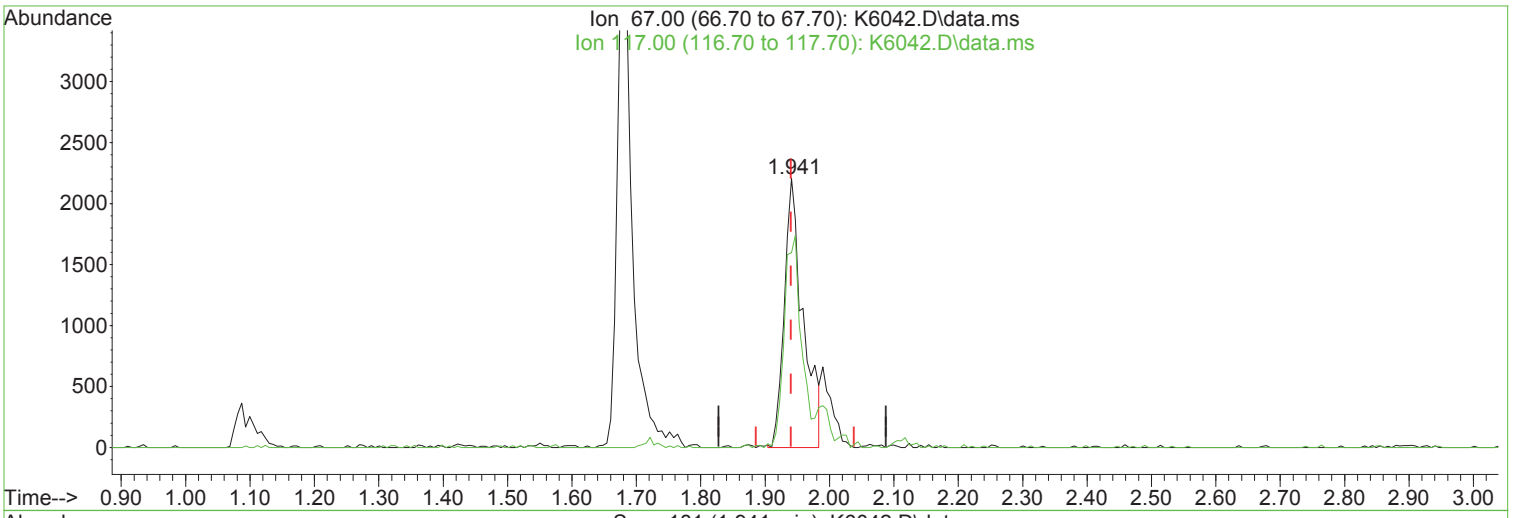
Before

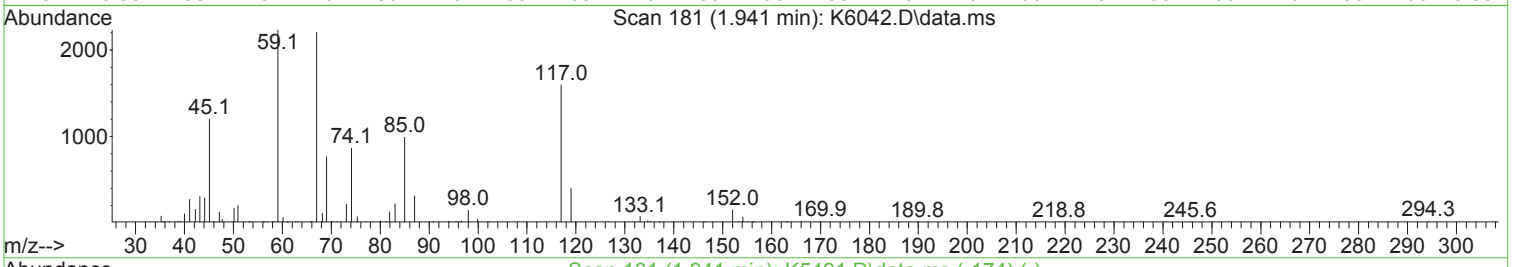
09/19/24

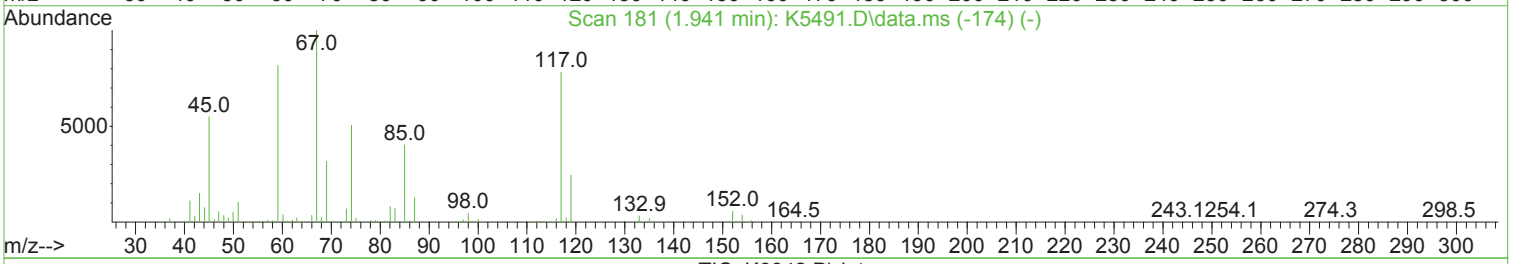
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(11) Freon 123a

1.941min (-0.000) 1.09 ug/L m

response 4486

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	78.80	72.38
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

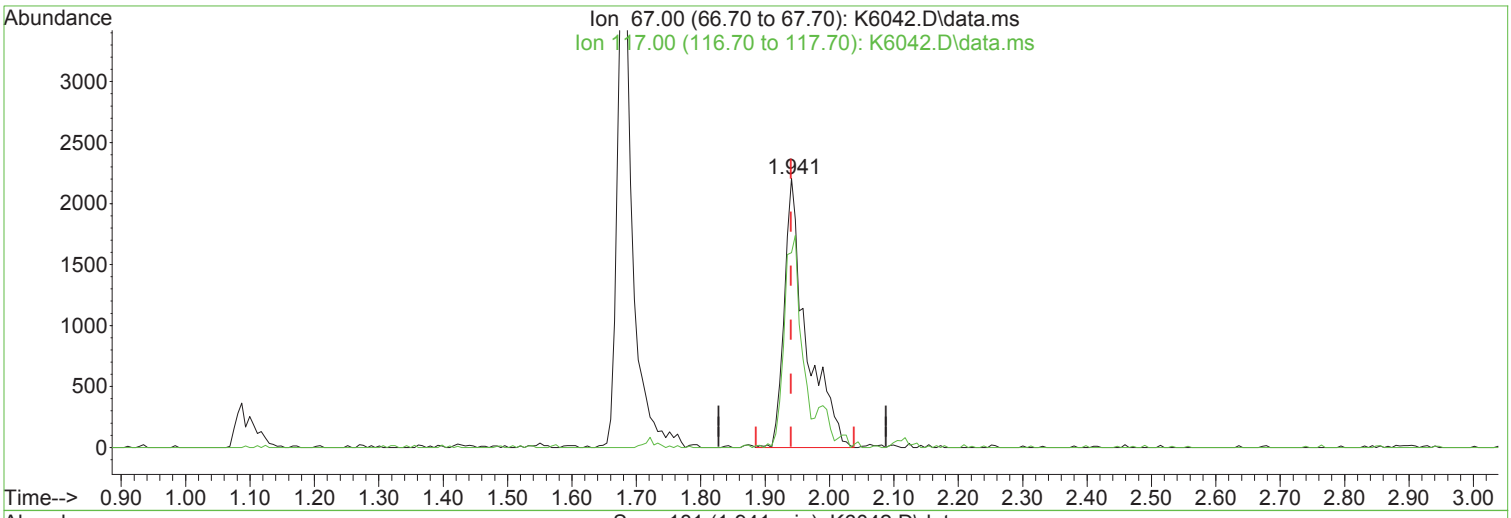
Poor integration.

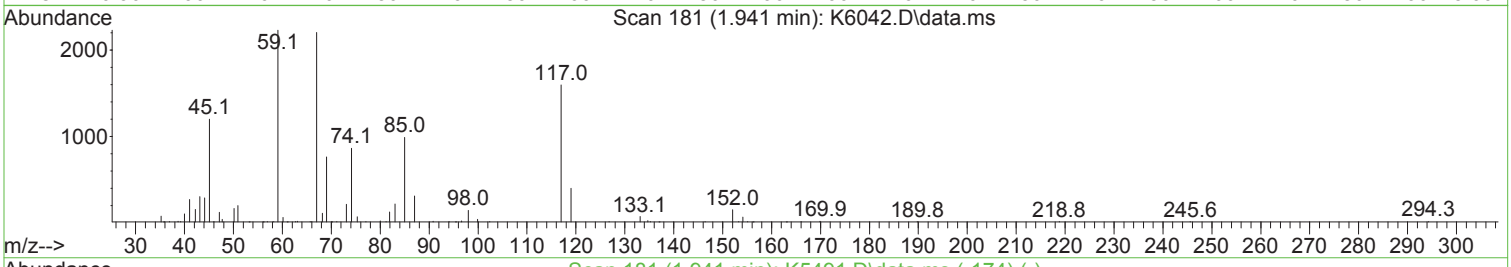
09/19/24

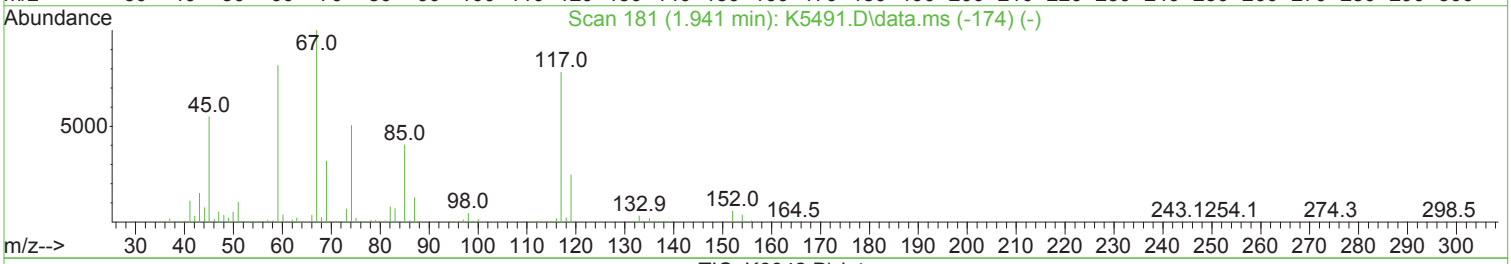
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(11) Freon 123a

1.941min (-0.000) 1.27 ug/L

response 5266

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	78.80	72.38
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

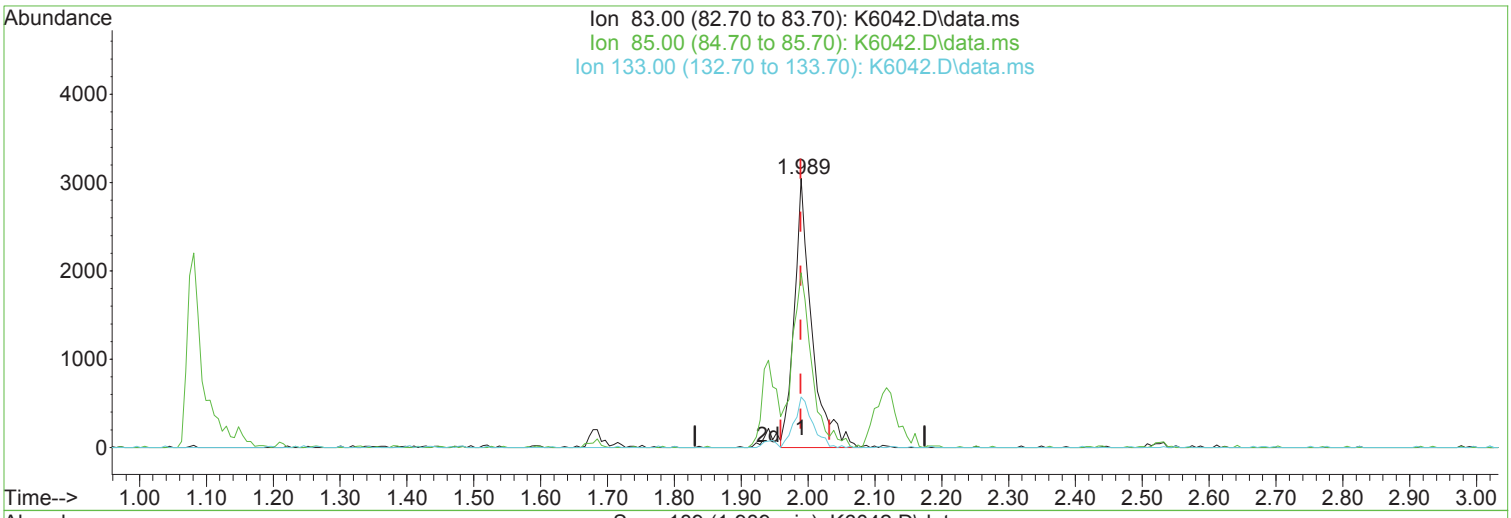
Before

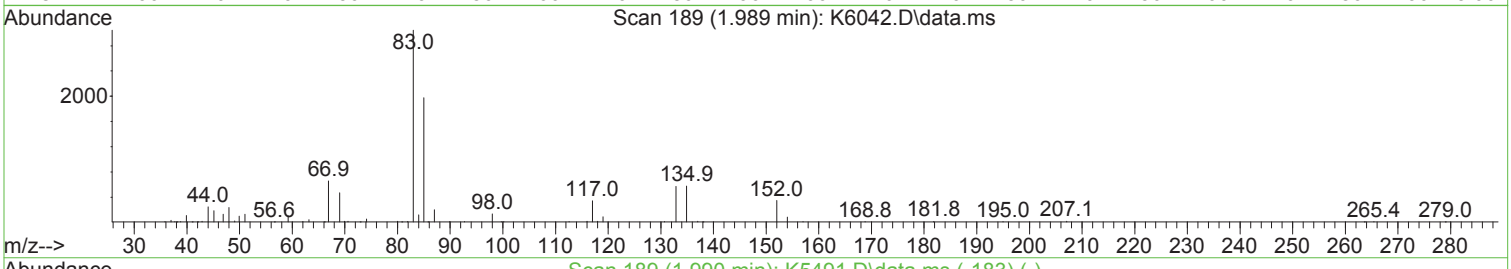
09/19/24

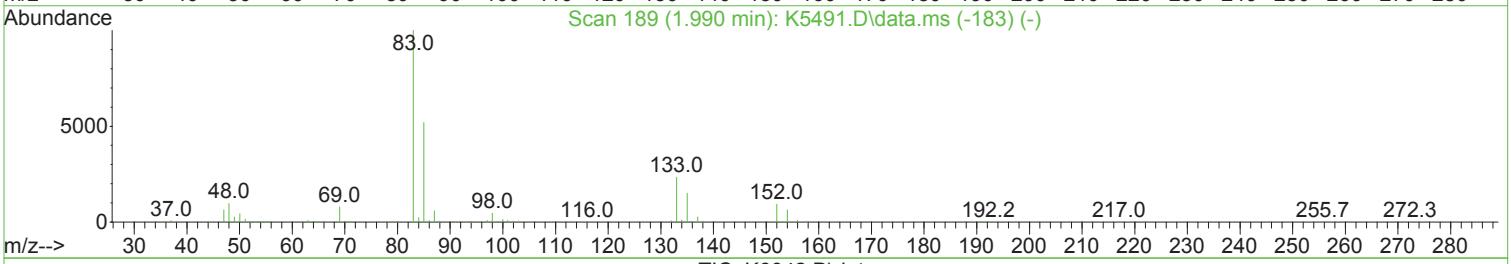
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(12) Freon 123

1.989min (-0.000) 1.11 ug/L m

response 5572

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	68.60	64.94
133.00	24.60	18.75
0.00	0.00	0.00

Manual Integration:

After

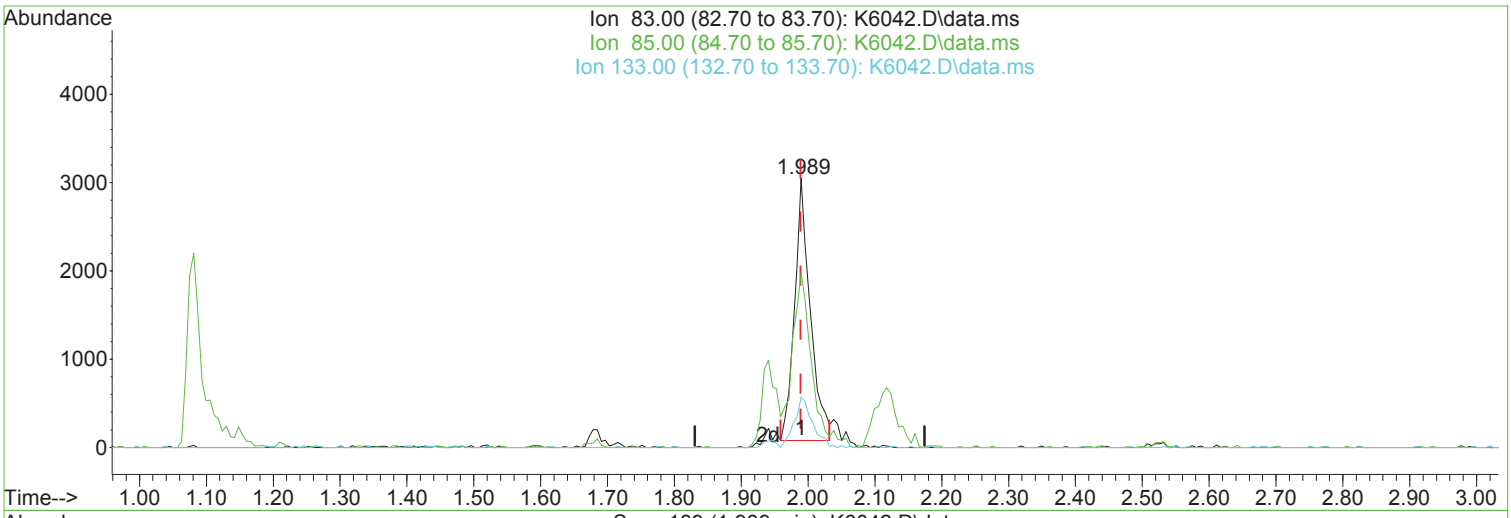
Poor integration.

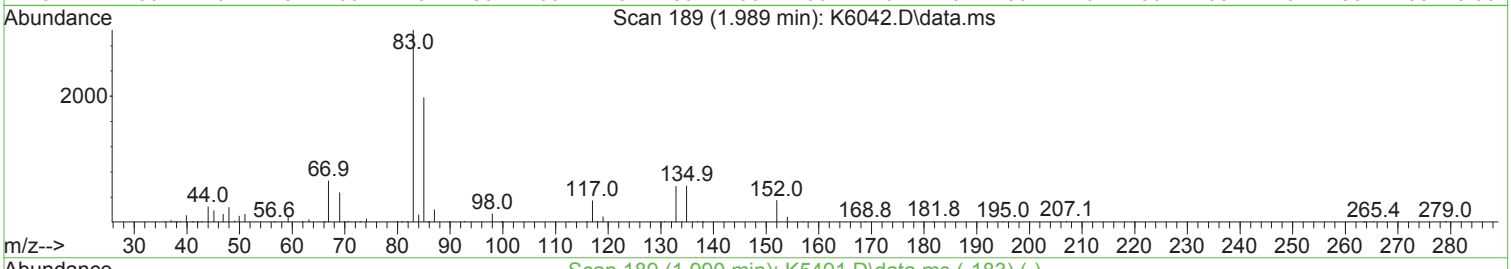
09/19/24

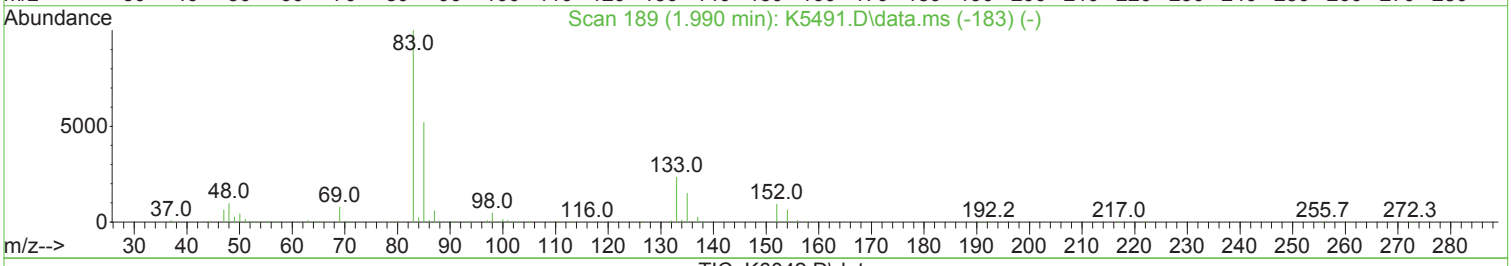
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(12) Freon 123

1.989min (-0.000) 0.97 ug/L

response 4865

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	68.60	64.94
133.00	24.60	18.75
0.00	0.00	0.00

Manual Integration:

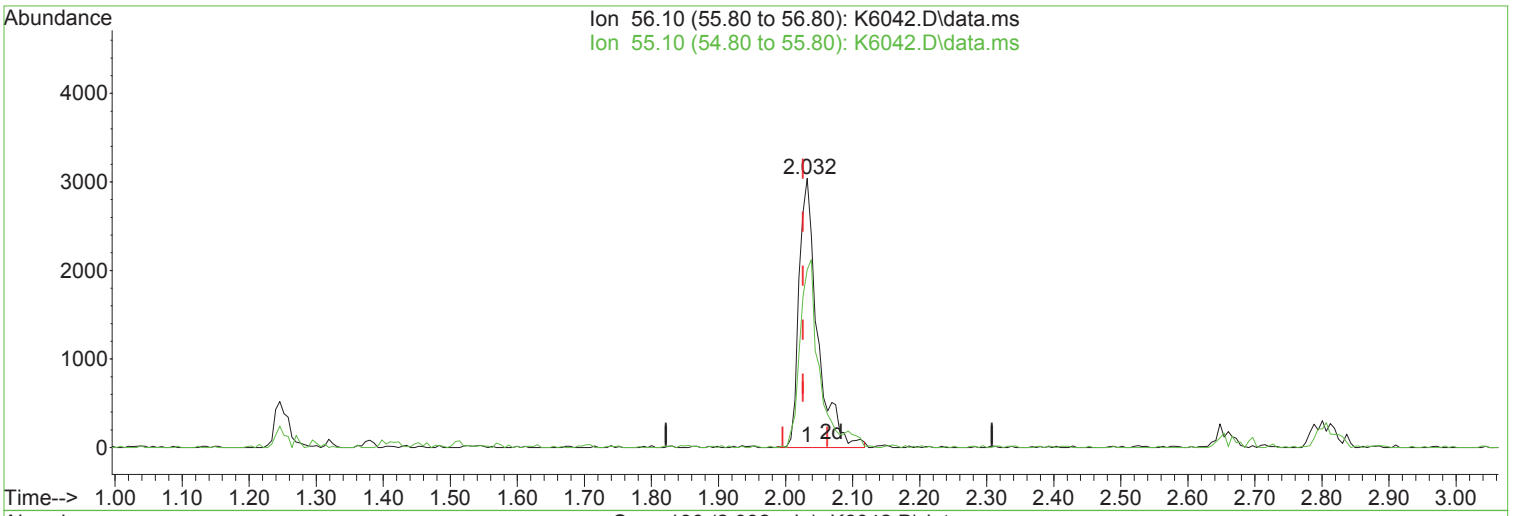
Before

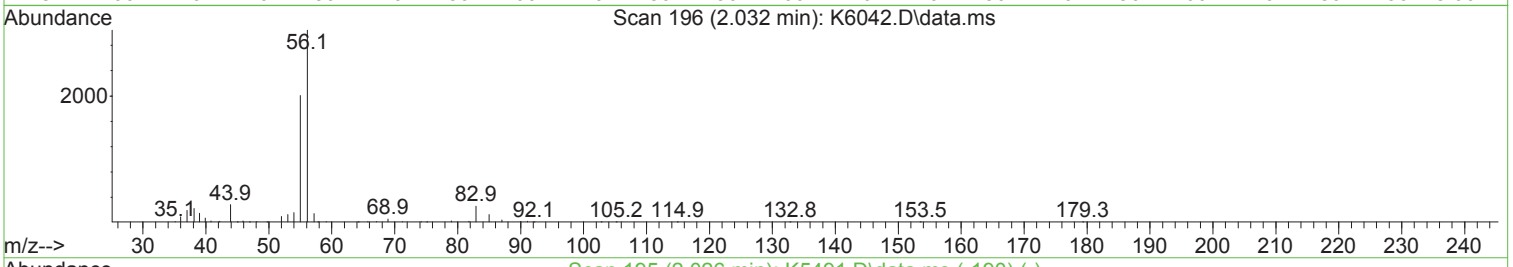
09/19/24

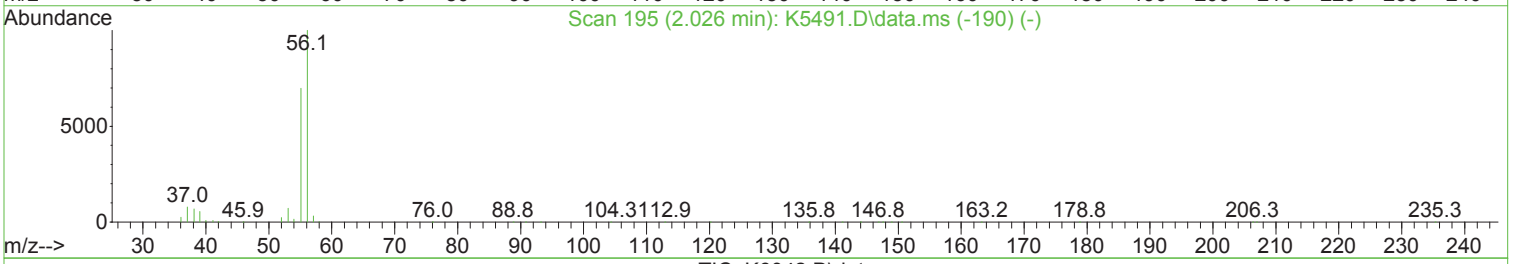
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(13) Acrolein

2.032min (+ 0.006) 5.03 ug/L m

response 5823

Ion	Exp%	Act%
56.10	100.00	100.00
55.10	69.90	66.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

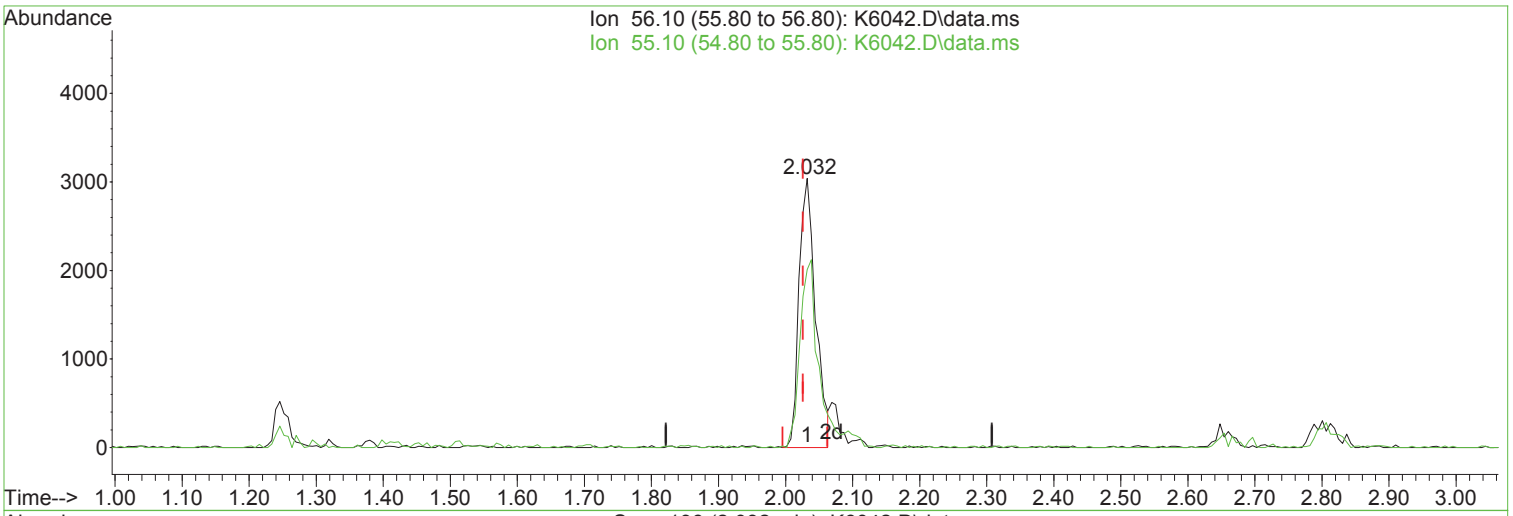
Poor integration.

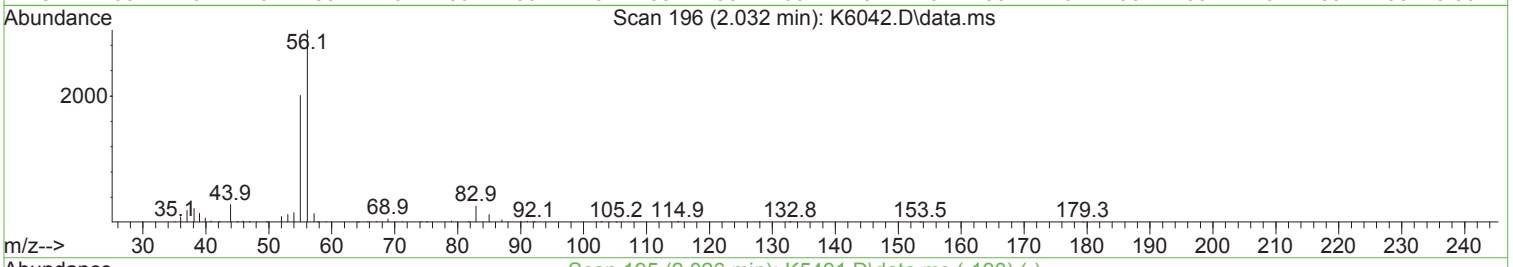
09/19/24

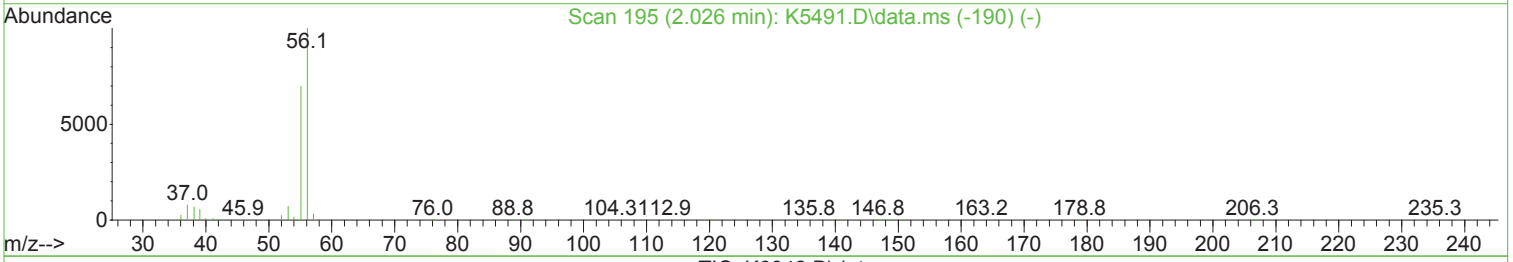
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(13) Acrolein

2.032min (+ 0.006) 4.49 ug/L

response 5202

Ion	Exp%	Act%
56.10	100.00	100.00
55.10	69.90	66.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

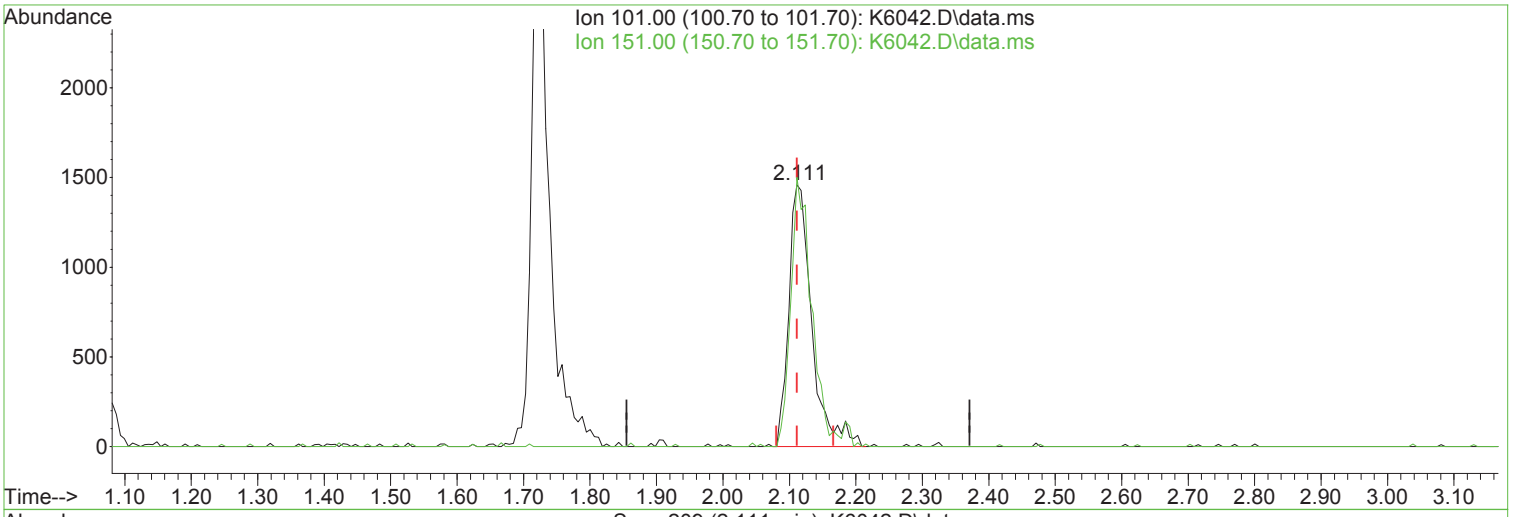
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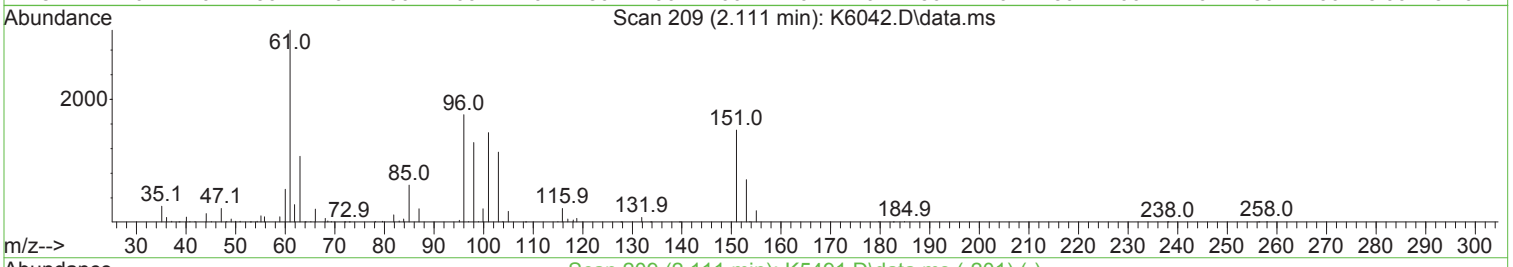
09/19/24

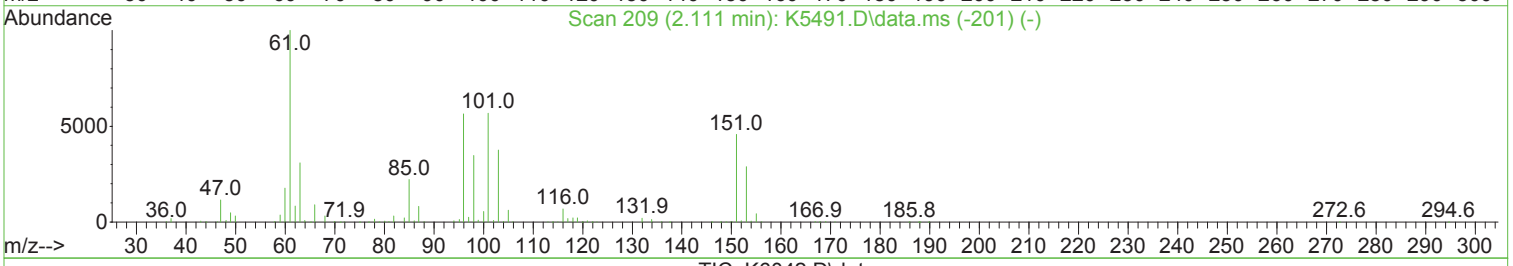
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(15) Freon 113 (P)

2.111min (-0.000) 0.99 ug/L m

response 3503

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	80.50	102.74#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

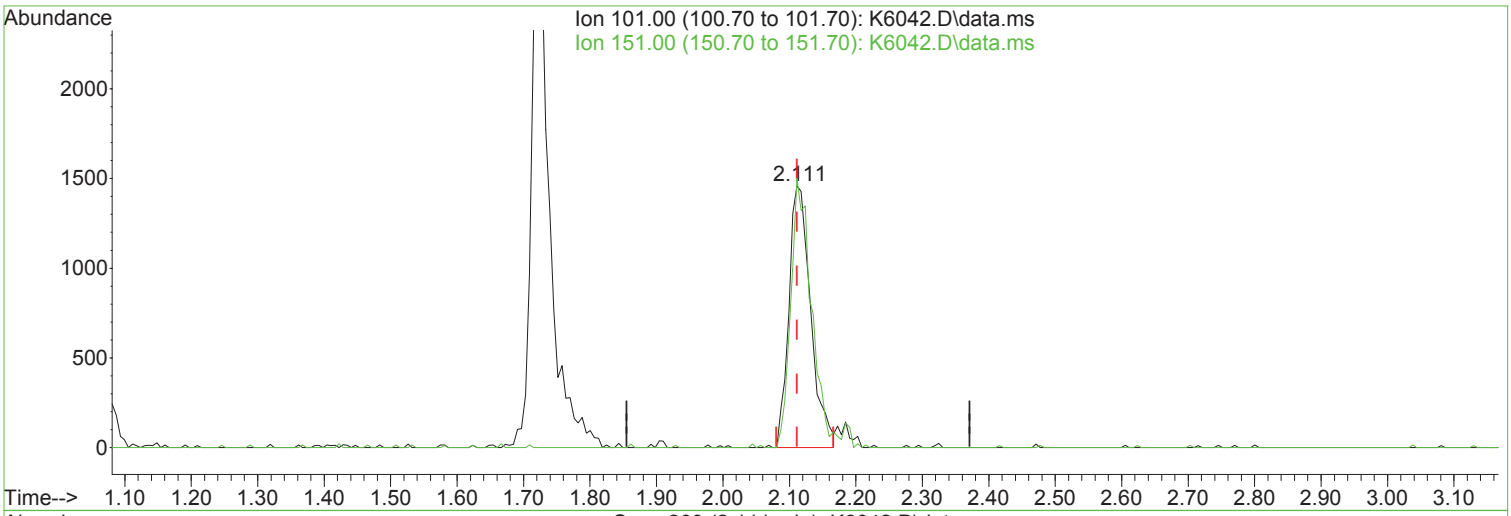
Poor integration.

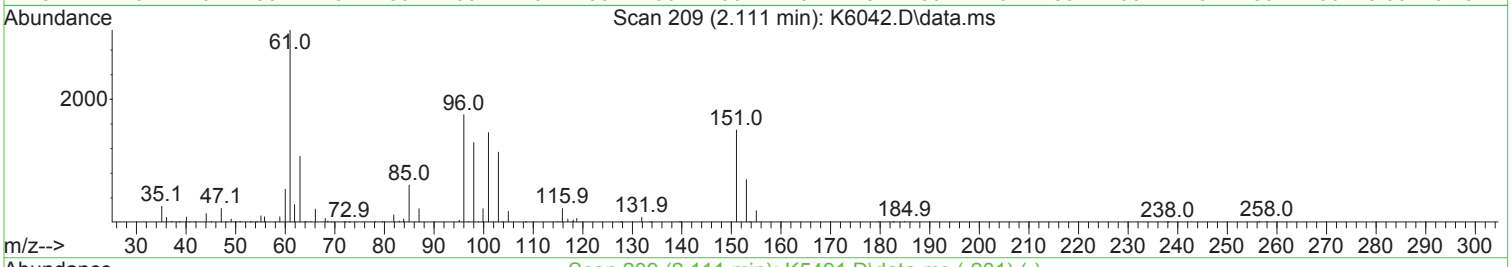
09/19/24

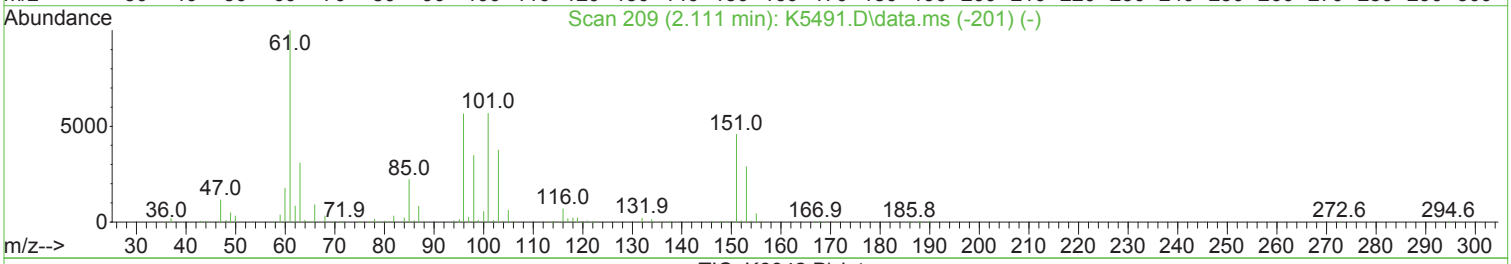
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(15) Freon 113 (P)

2.111min (-0.000) 0.94 ug/L

response 3322

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	80.50	102.74#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

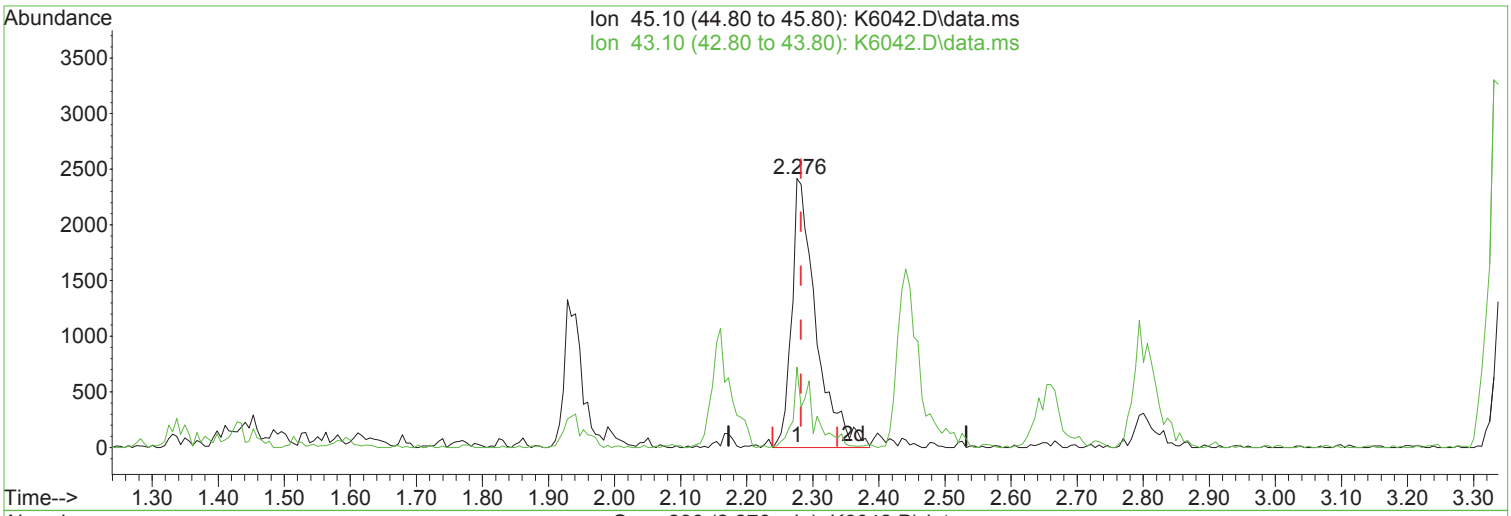
Before

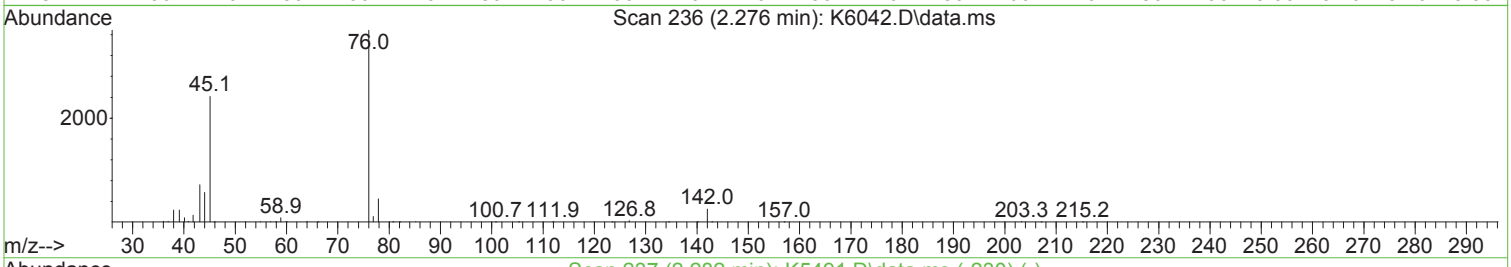
09/19/24

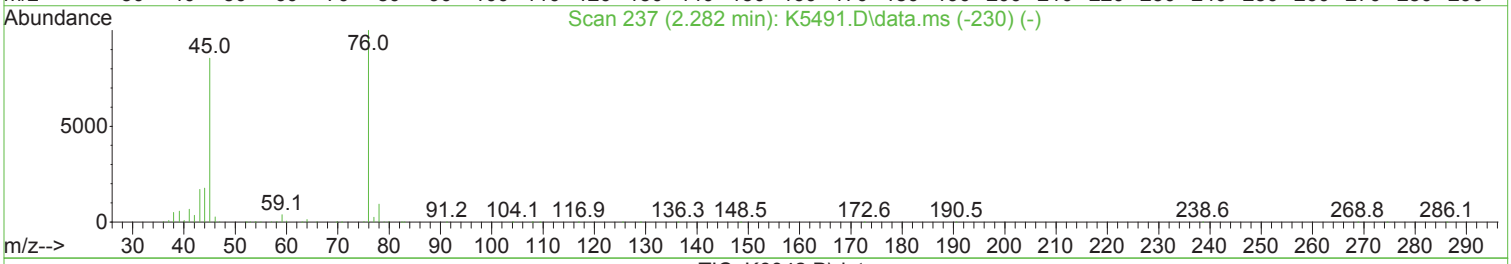
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(17) 2-Propanol

2.276min (-0.006) 20.70 ug/L m

response 6198

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	20.50	29.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

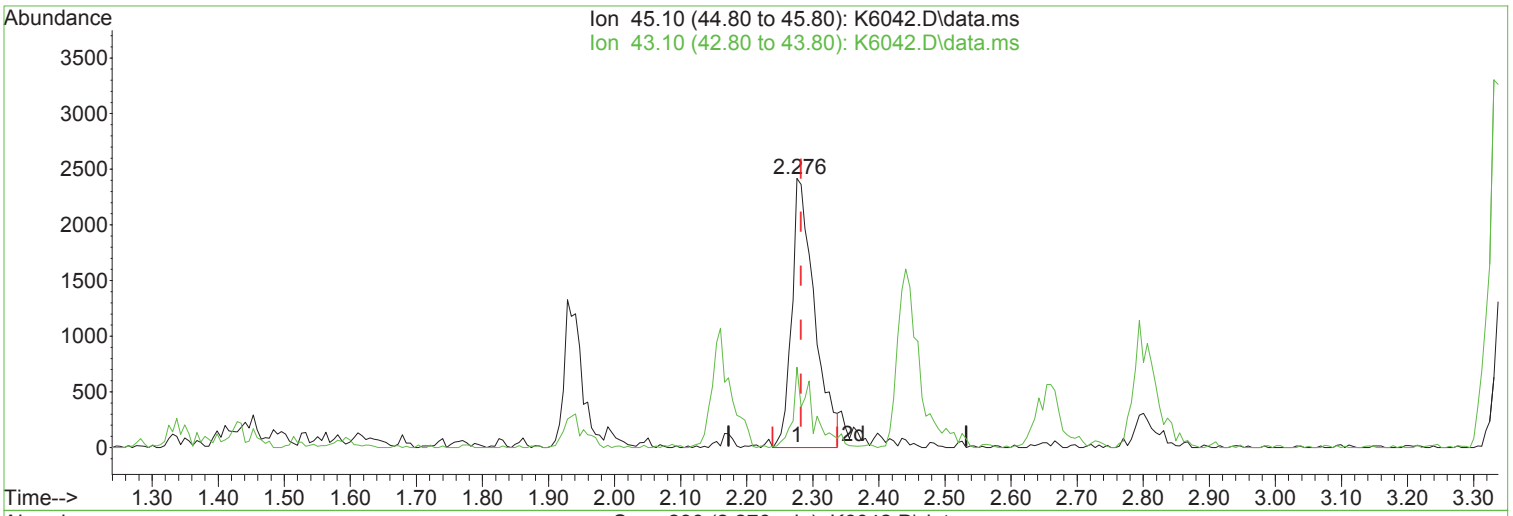
Poor integration.

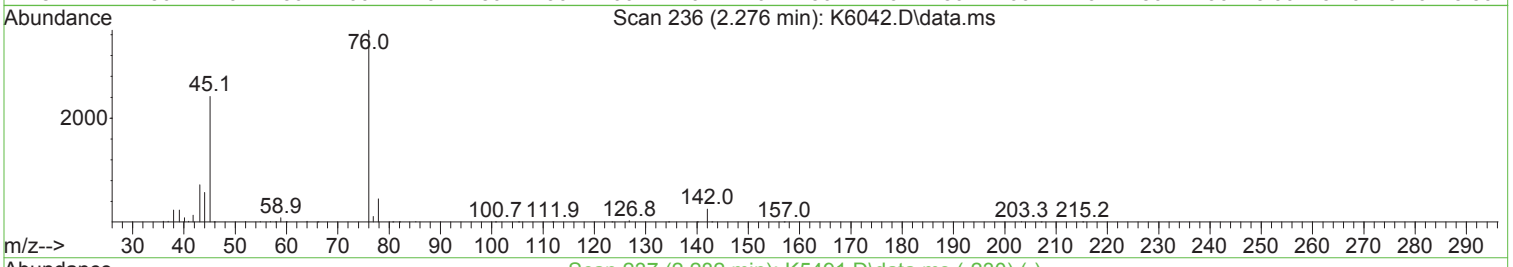
09/19/24

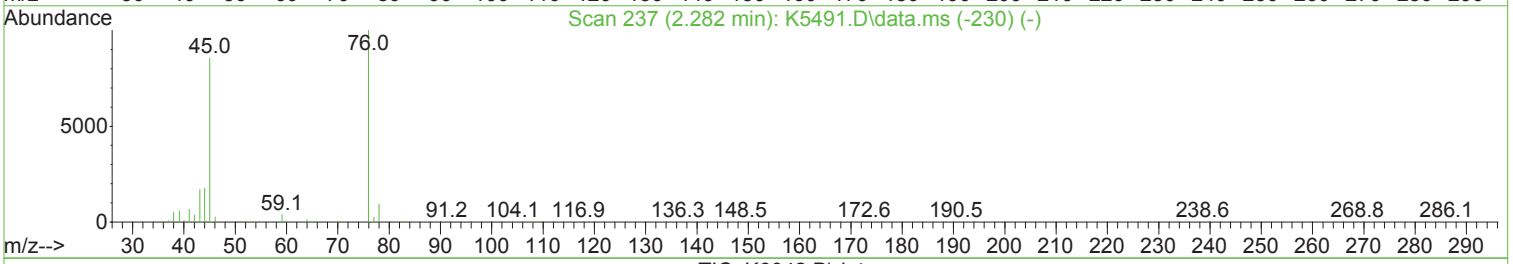
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(17) 2-Propanol

2.276min (-0.006) 19.38 ug/L

response 5804

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	20.50	29.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

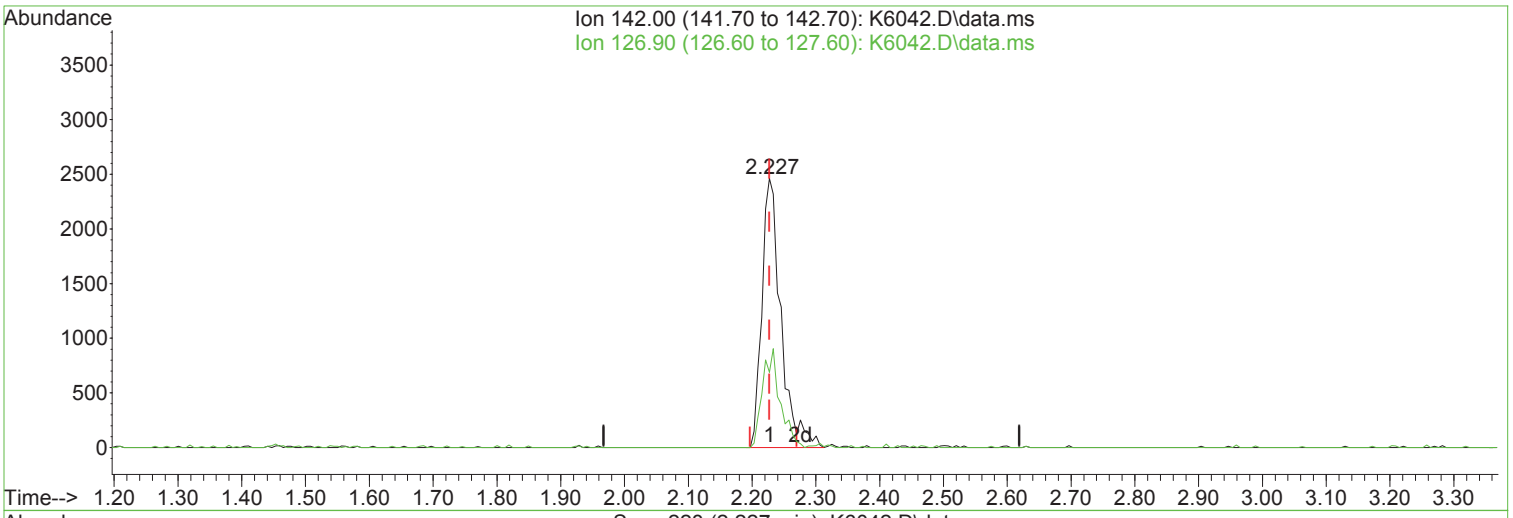
Before

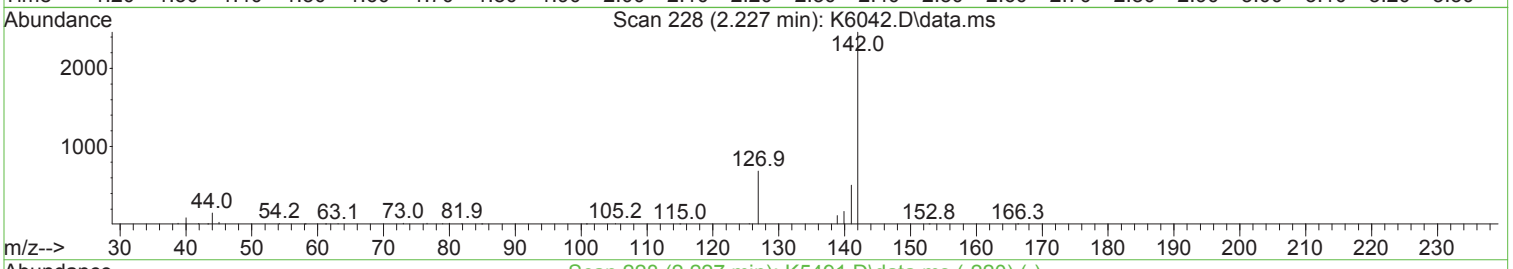
09/19/24

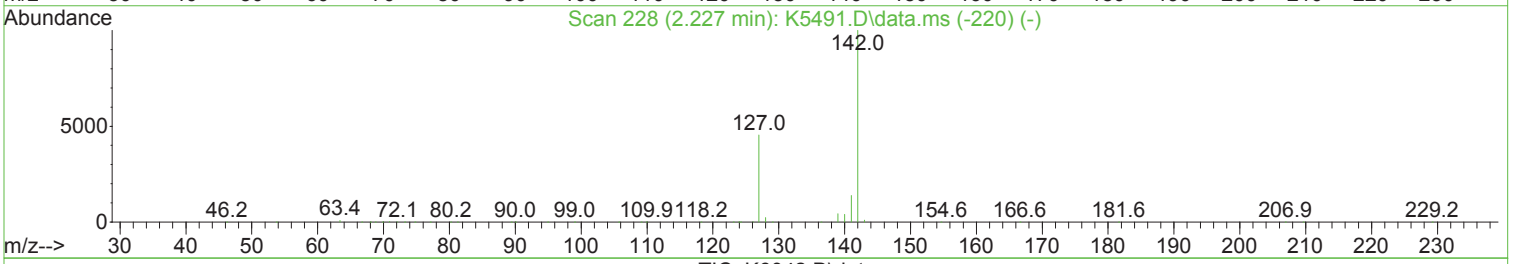
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(18) Iodomethane

2.227min (-0.000) 0.92 ug/L m

response 5092

Ion	Exp%	Act%
142.00	100.00	100.00
126.90	45.40	27.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

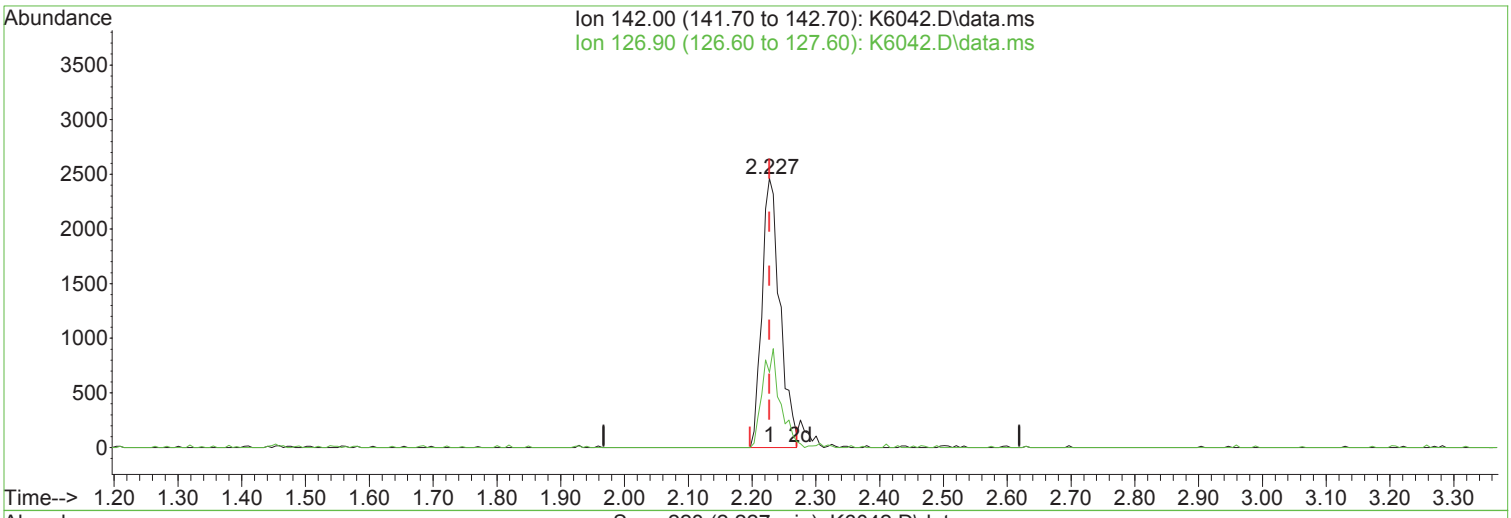
Poor integration.

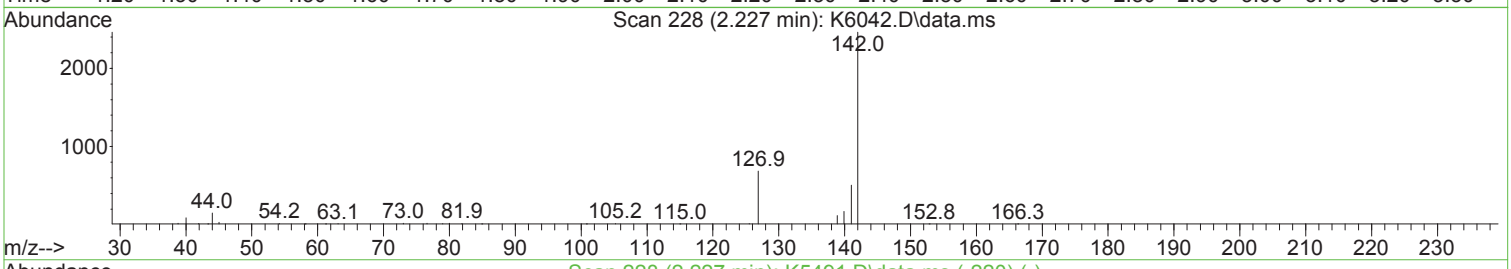
09/19/24

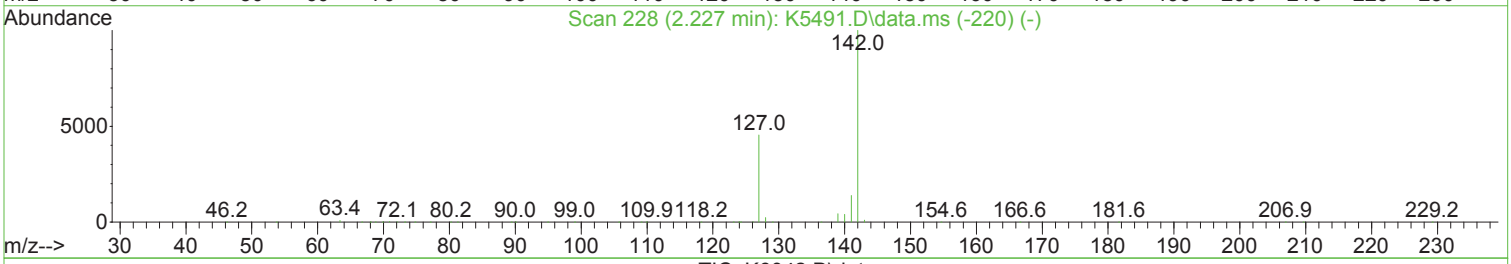
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(18) Iodomethane

2.227min (-0.000) 0.87 ug/L

response 4831

Ion	Exp%	Act%
142.00	100.00	100.00
126.90	45.40	27.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

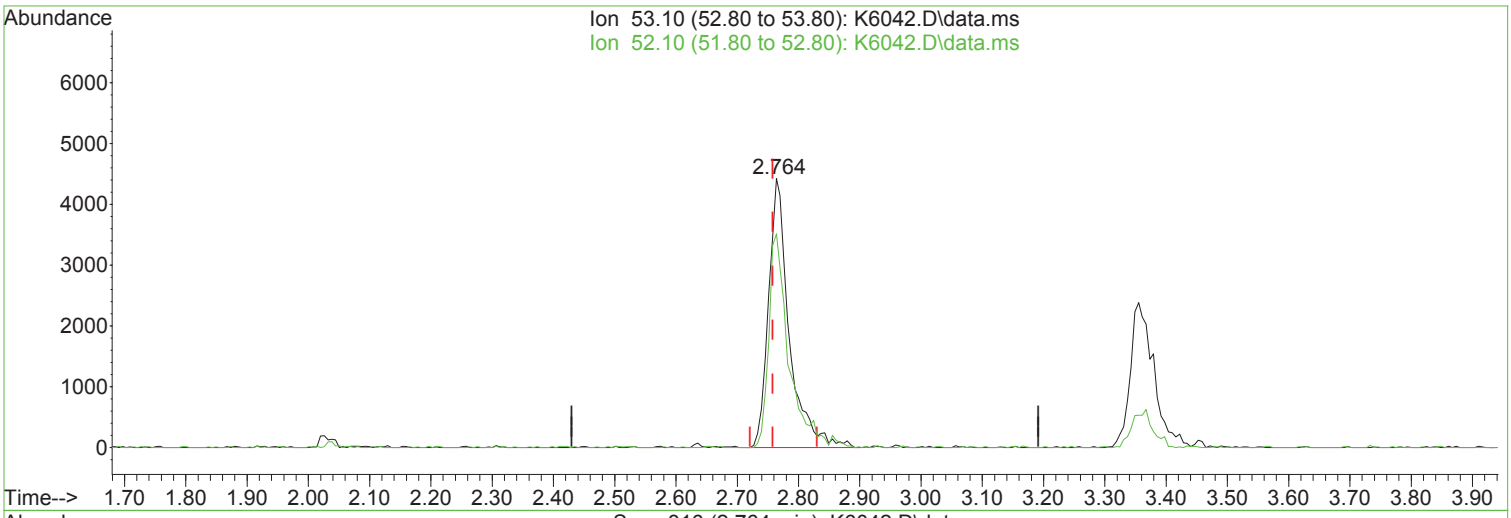
Before

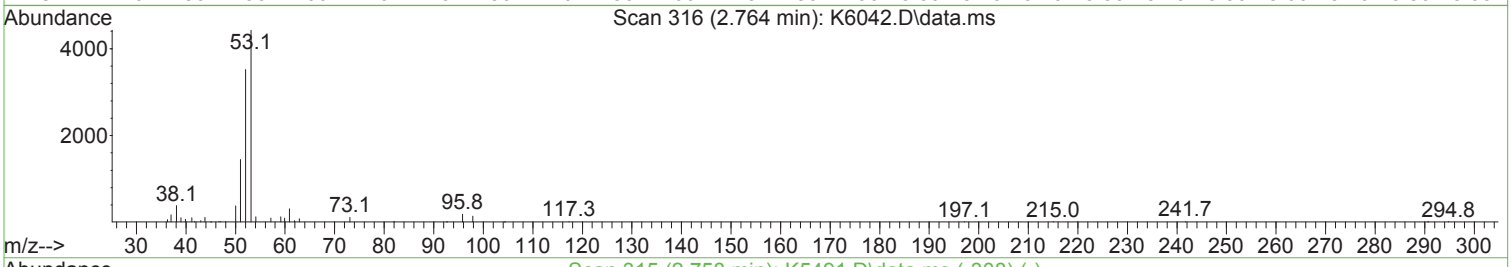
09/19/24

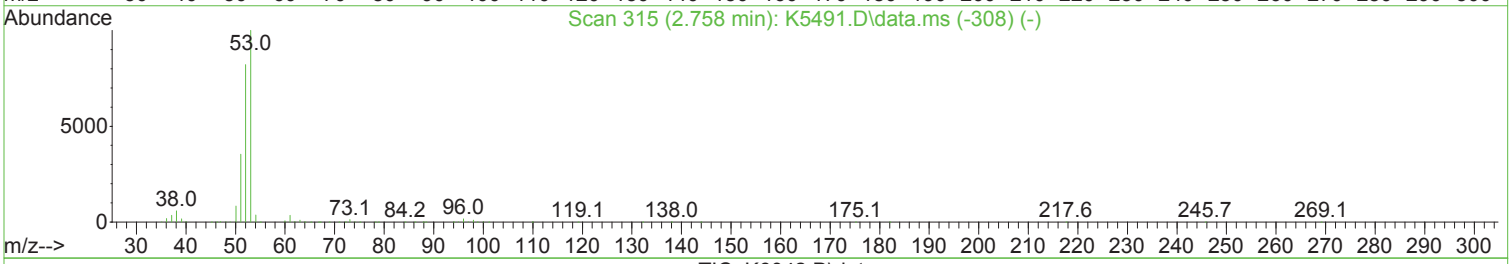
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(24) Acrylonitrile

2.764min (+ 0.006) 5.33 ug/L m

response 10429

Ion	Exp%	Act%
53.10	100.00	100.00
52.10	82.20	79.50
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

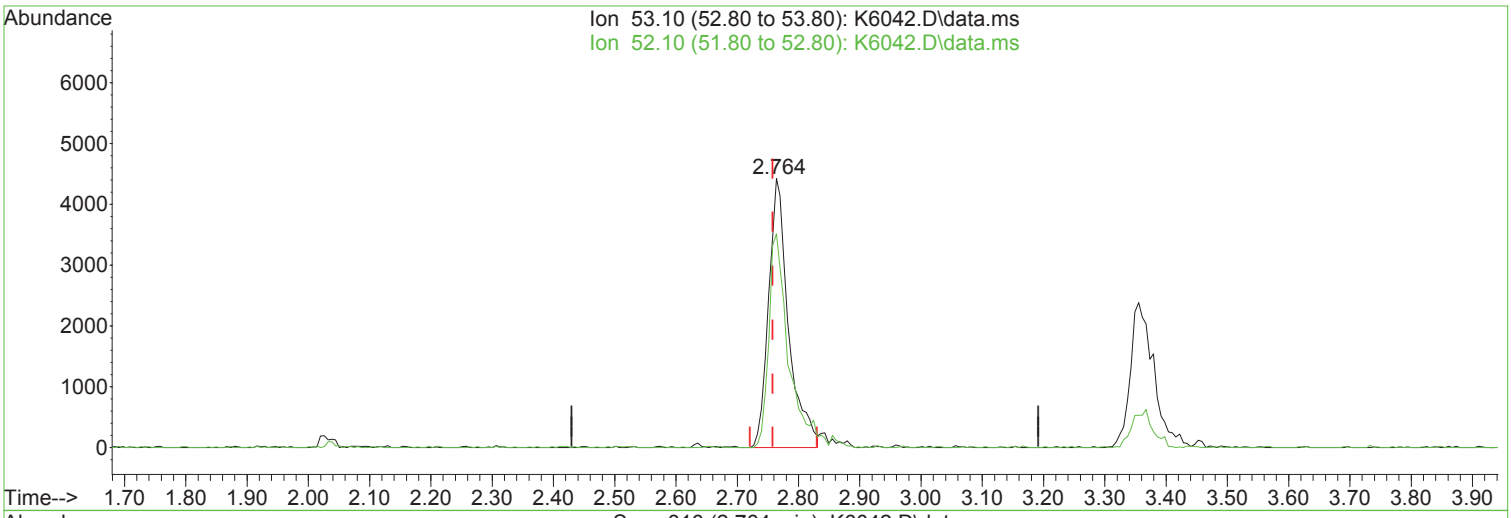
Poor integration.

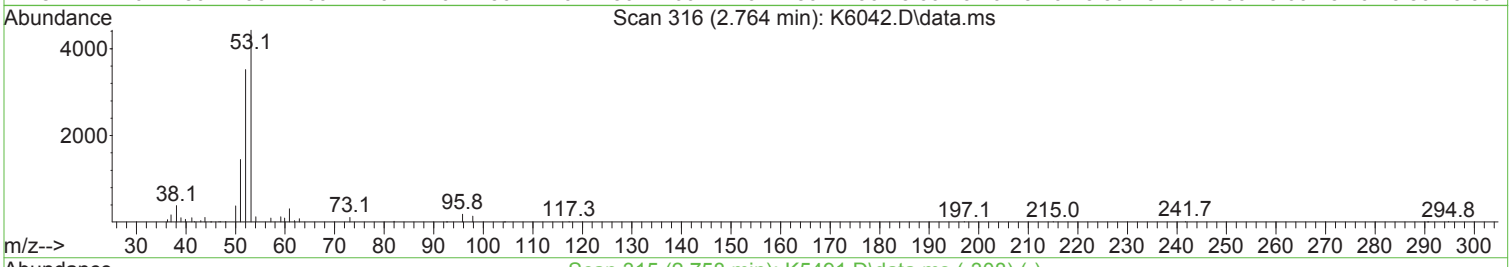
09/19/24

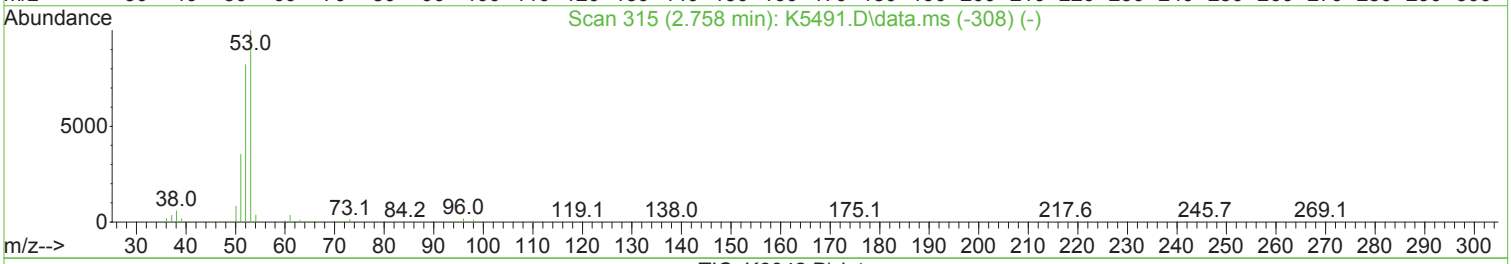
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(24) Acrylonitrile **Manual Integration:**

2.764min (+ 0.006) 5.13 ug/L **Before**

response 10039

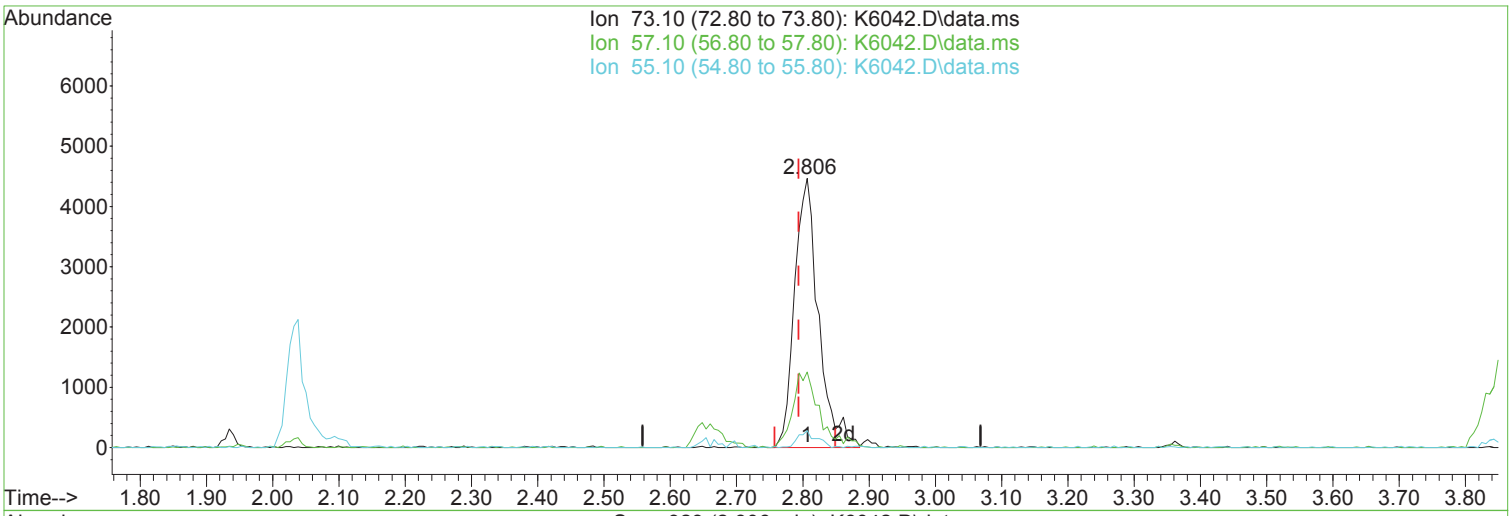
Ion	Exp%	Act%
53.10	100.00	100.00
52.10	82.20	79.50
0.00	0.00	0.00
0.00	0.00	0.00

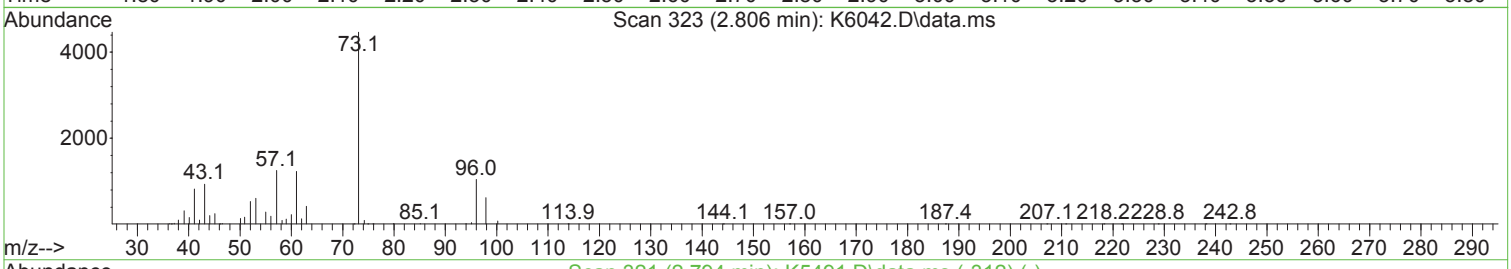
09/19/24

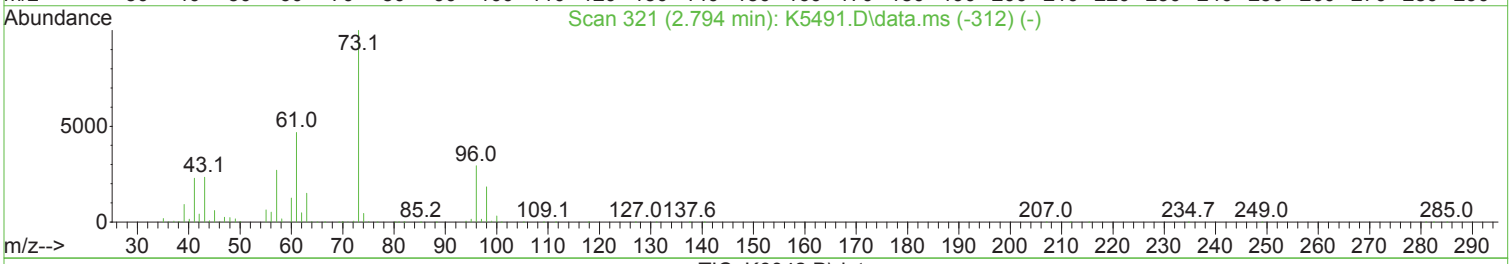
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

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

2.806min (+ 0.012) 1.01 ug/L m

response 11186

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.50	28.03
55.10	6.40	6.34
0.00	0.00	0.00

Manual Integration:

After

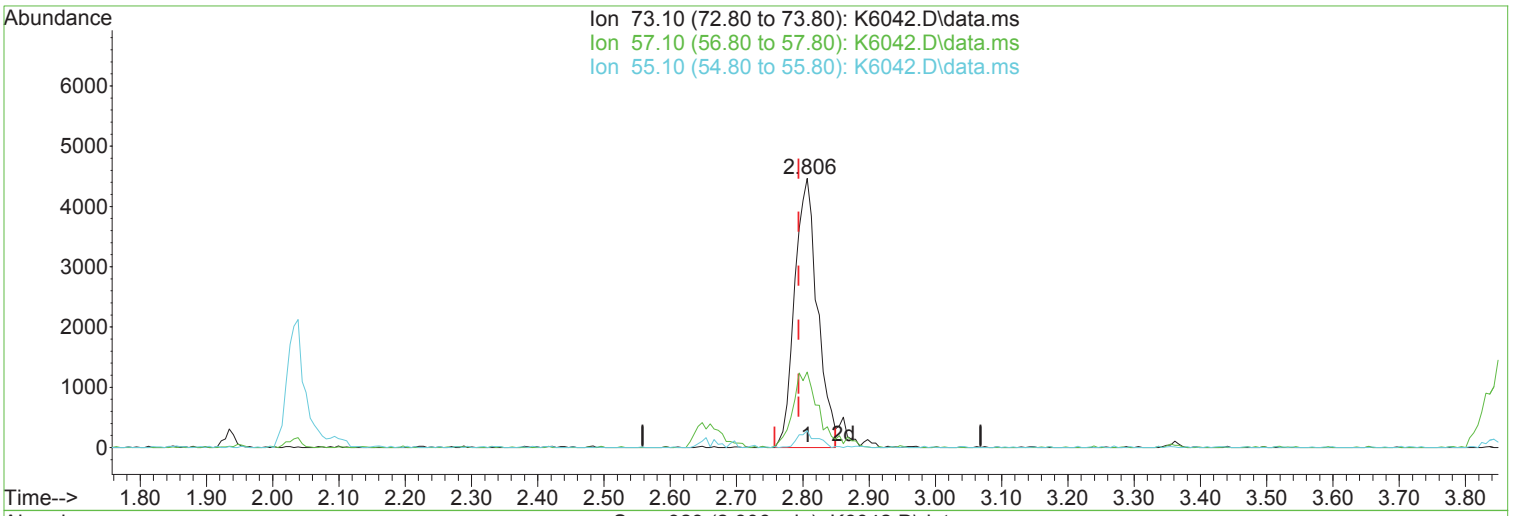
Poor integration.

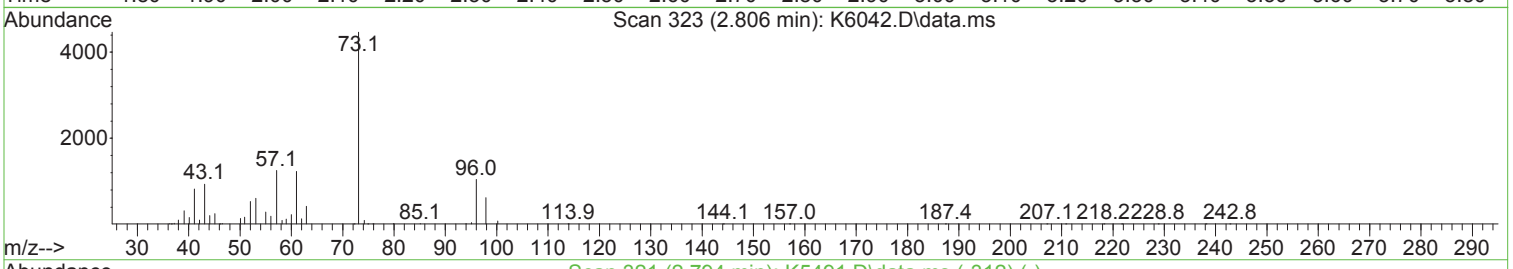
09/19/24

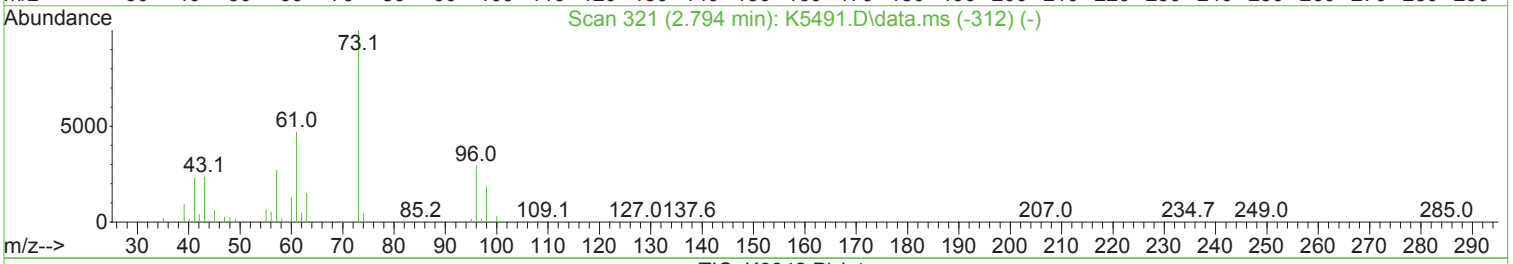
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

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

2.806min (+ 0.012) 0.97 ug/L

response 10692

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.50	28.03
55.10	6.40	6.34
0.00	0.00	0.00

Manual Integration:

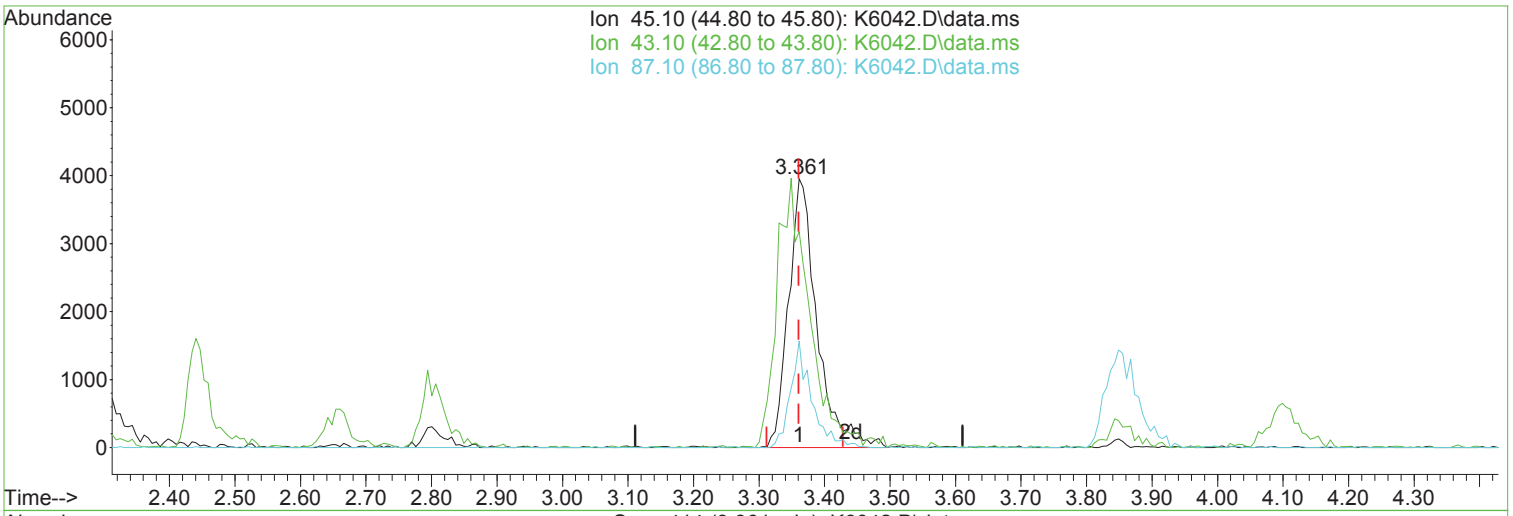
Before

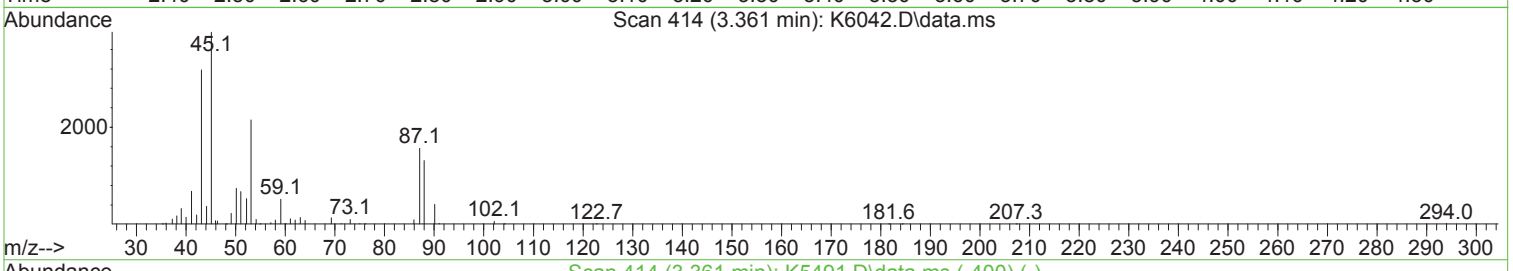
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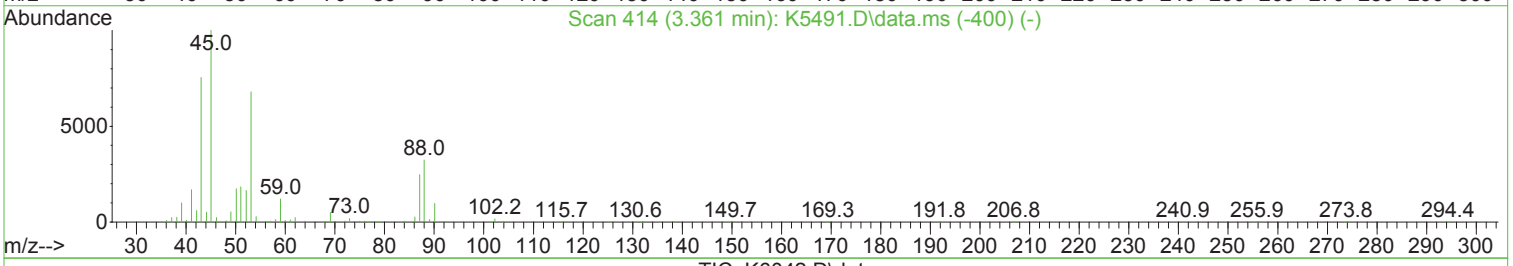
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
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Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(29) DIPE

3.361min (-0.000) 1.03 ug/L m

response 11903

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	75.50	80.42
87.10	25.00	39.63
0.00	0.00	0.00

Manual Integration:

After

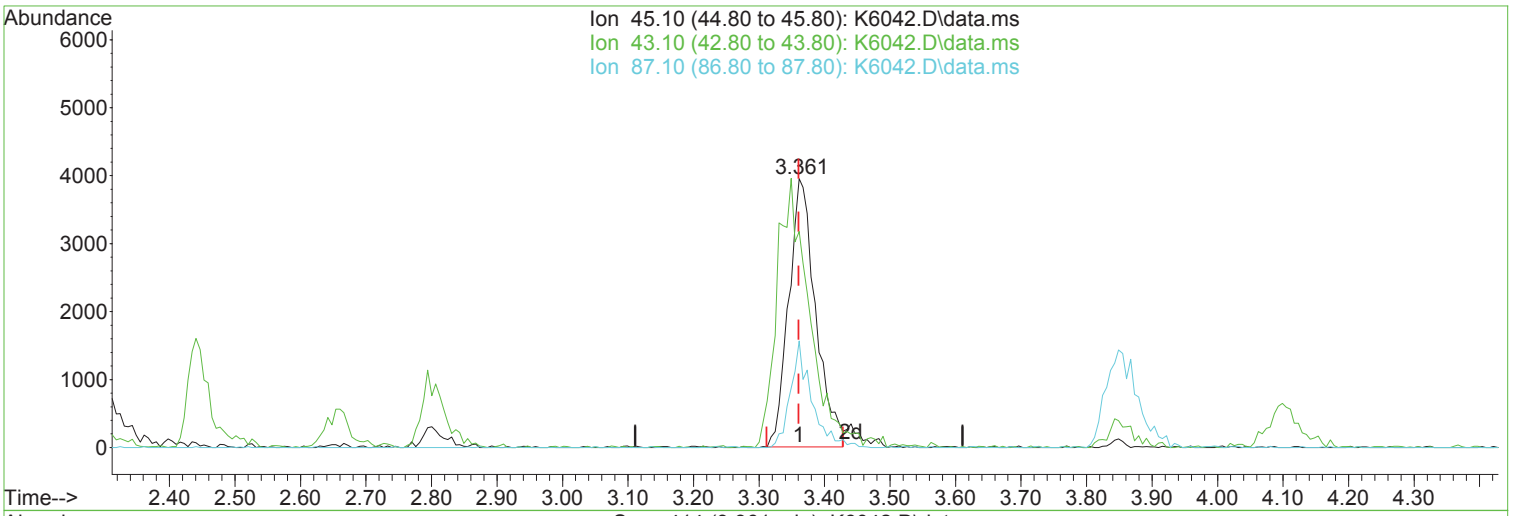
Poor integration.

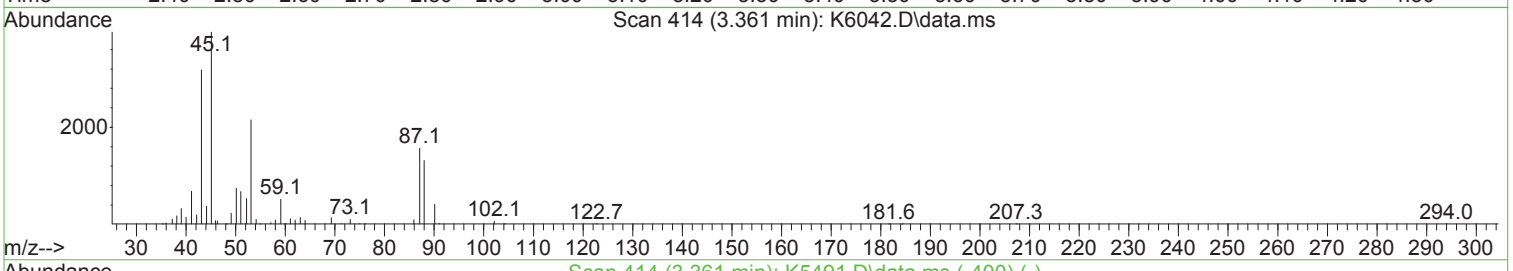
09/19/24

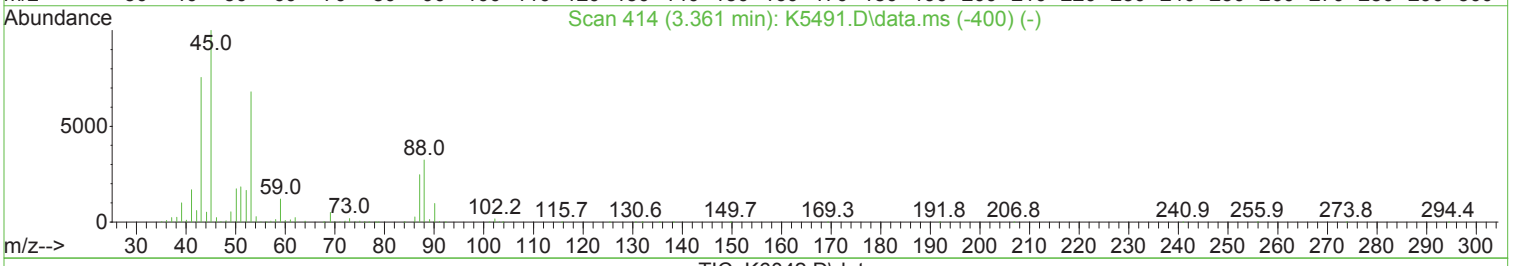
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(29) DIPE

3.361min (-0.000) 0.97 ug/L

response 11236

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	75.50	80.42
87.10	25.00	39.63
0.00	0.00	0.00

Manual Integration:

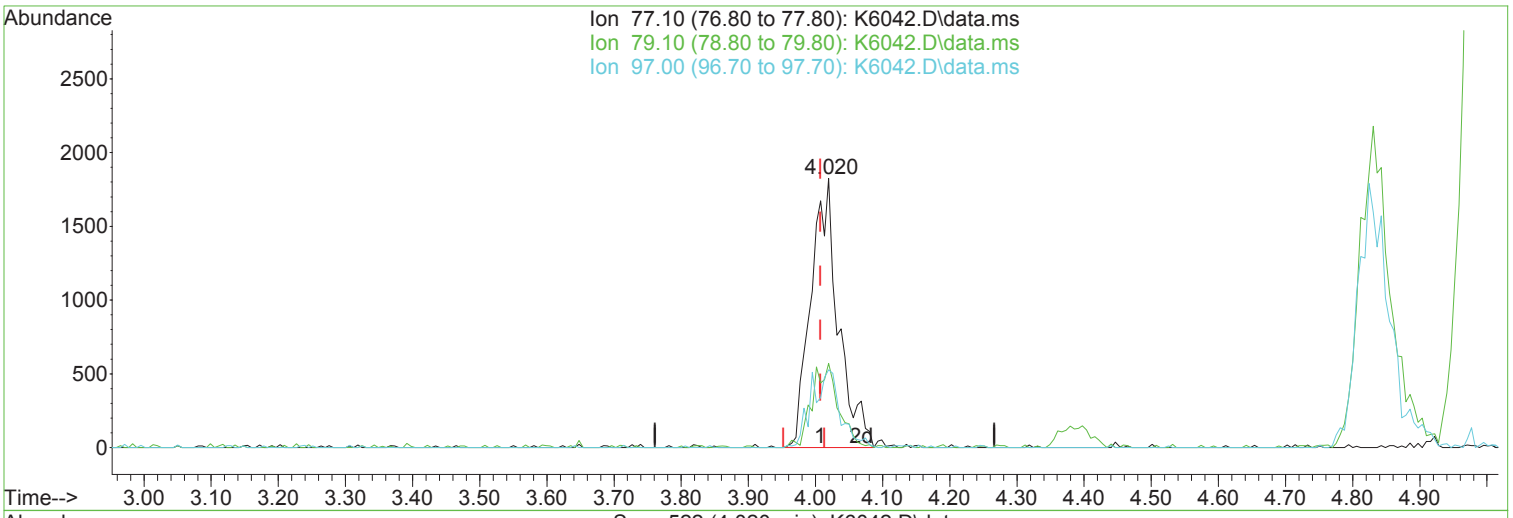
Before

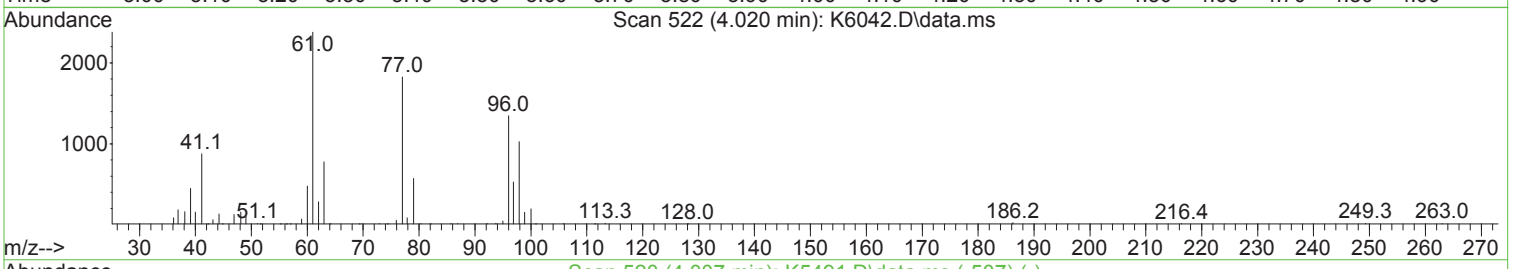
09/19/24

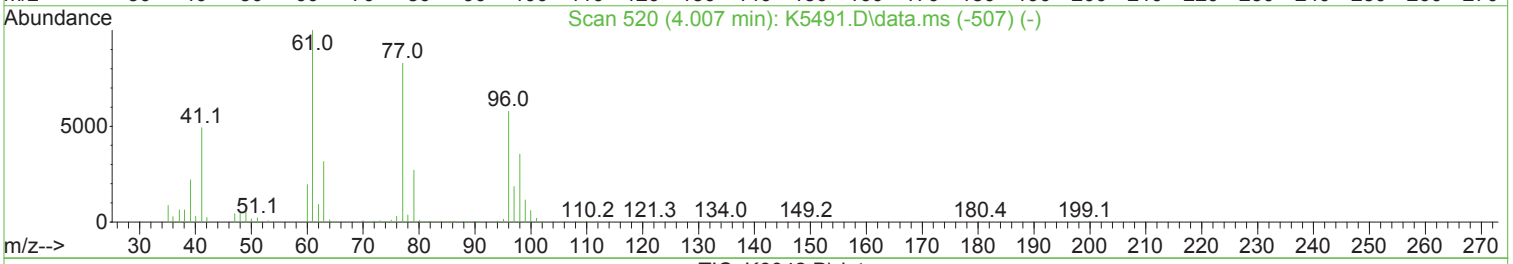
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(32) 2,2-Dichloropropane

4.020min (+ 0.012) 1.08 ug/L m

response 5201

Ion	Exp%	Act%
77.10	100.00	100.00
79.10	32.70	31.30
97.00	22.40	28.89
0.00	0.00	0.00

Manual Integration:

After

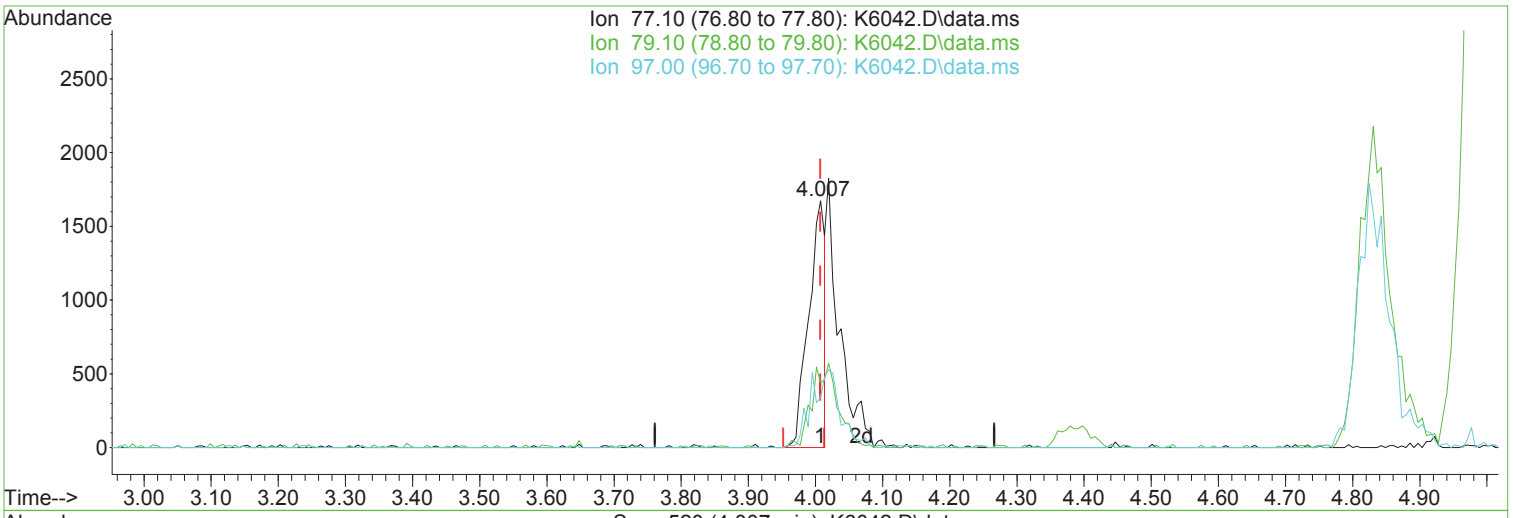
Split Peak.

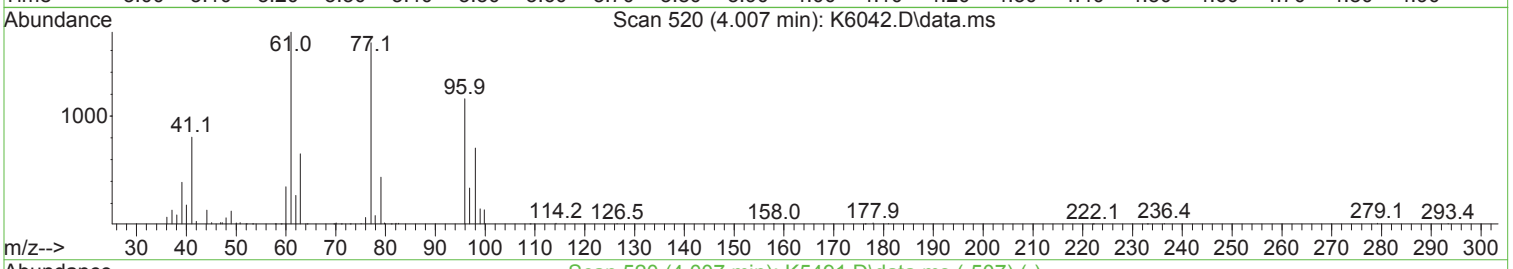
09/19/24

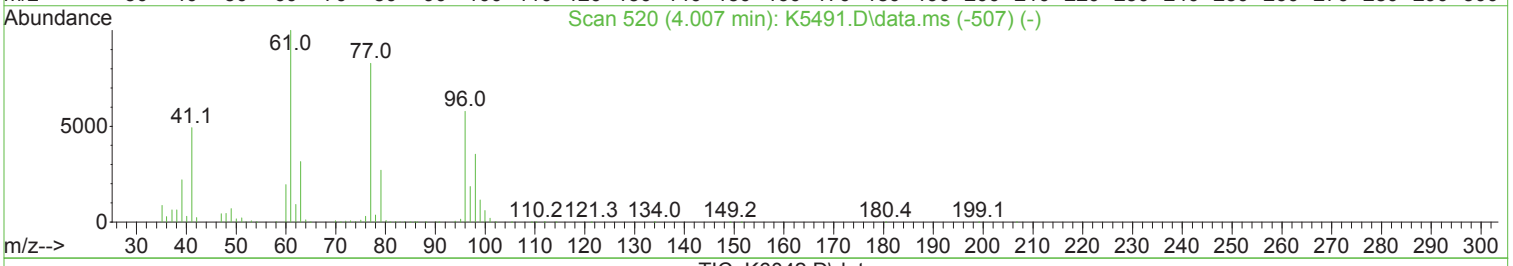
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(32) 2,2-Dichloropropane

4.007min (-0.000) 0.59 ug/L

response 2834

Ion	Exp%	Act%
77.10	100.00	100.00
79.10	32.70	27.45
97.00	22.40	20.28
0.00	0.00	0.00

Manual Integration:

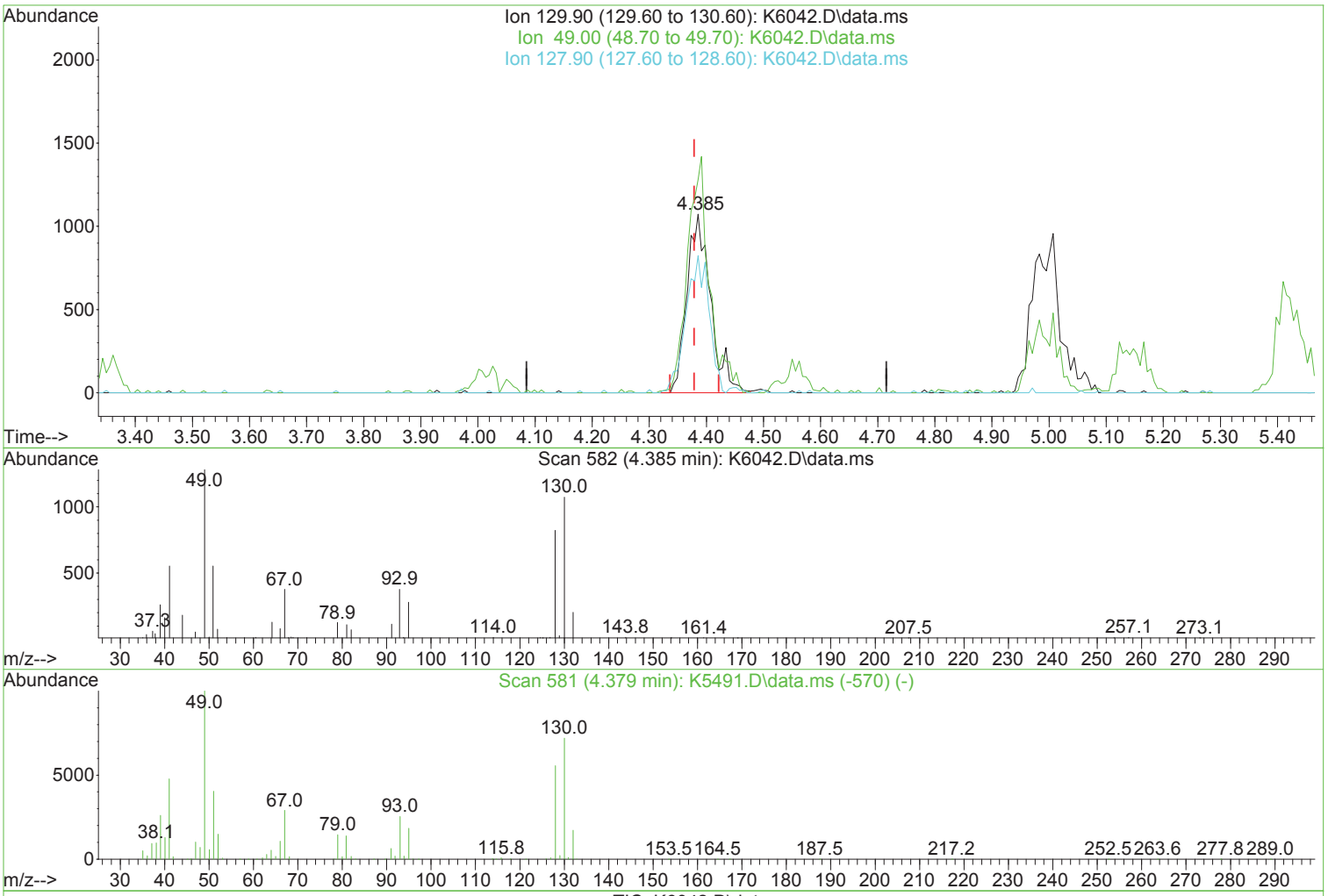
Before

09/19/24

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
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Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

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Quant Title : MS#17 - 8260 WATERS 5mL Purge
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Response via : Initial Calibration



TIC: K6042.D\data.ms

(36) Bromochloromethane

4.385min (+ 0.006) 1.05 ug/L m

response 3082

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	139.10	119.27
127.90	77.30	76.63
0.00	0.00	0.00

Manual Integration:

After

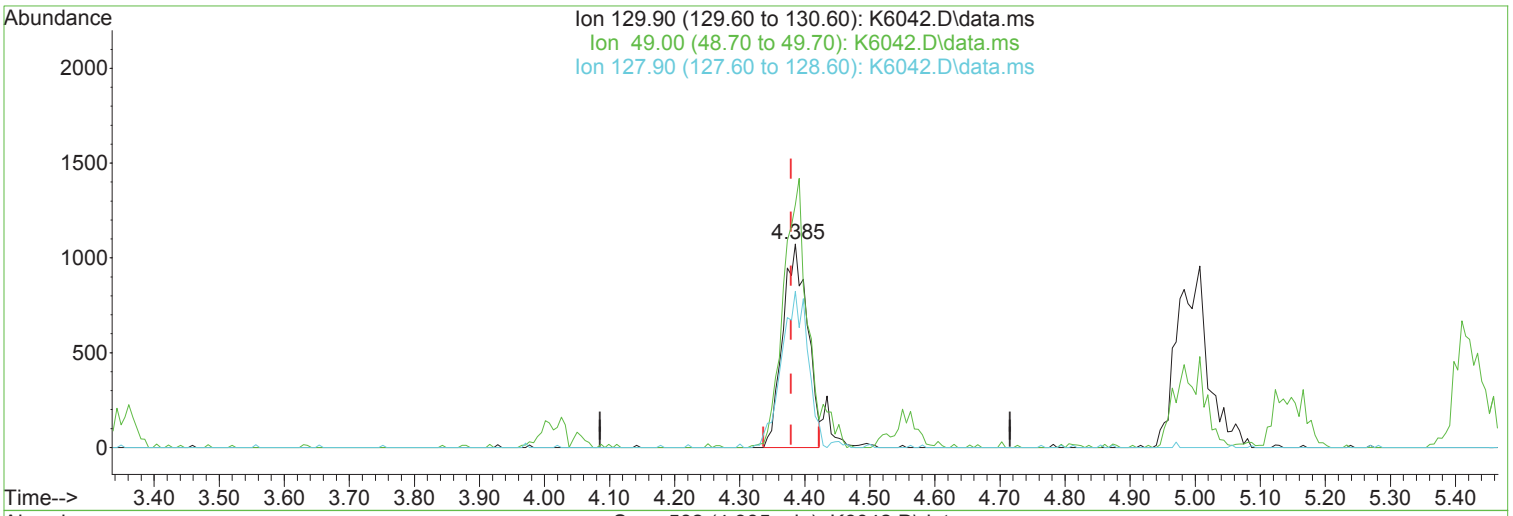
Poor integration.

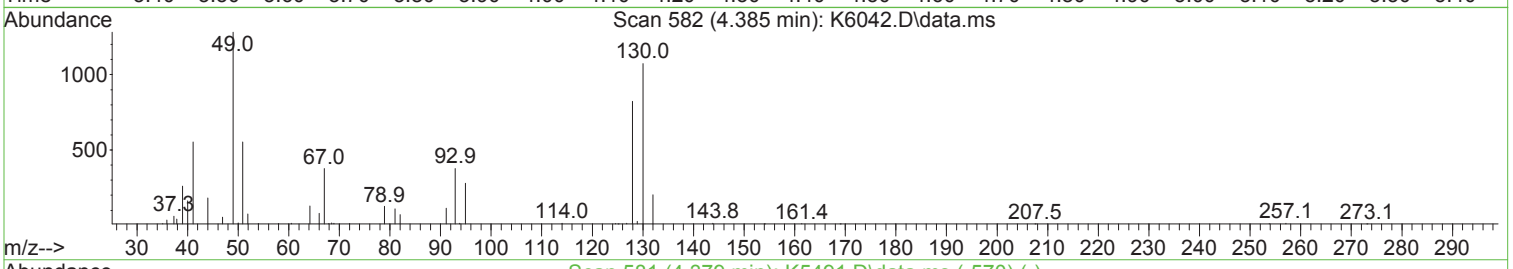
09/19/24

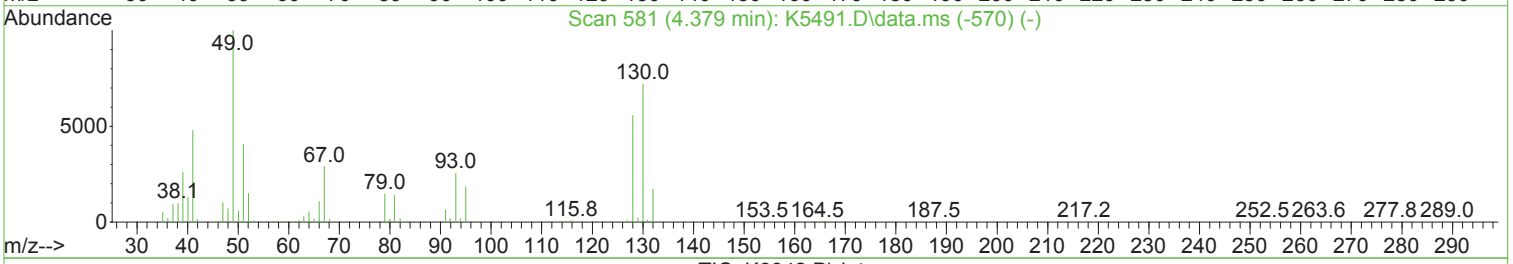
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
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Misc : WATER ICAL
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QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(36) Bromochloromethane

4.385min (+ 0.006) 0.96 ug/L

response 2836

Ion	Exp%	Act%
129.90	100.00	100.00
49.00	139.10	119.27
127.90	77.30	76.63
0.00	0.00	0.00

Manual Integration:

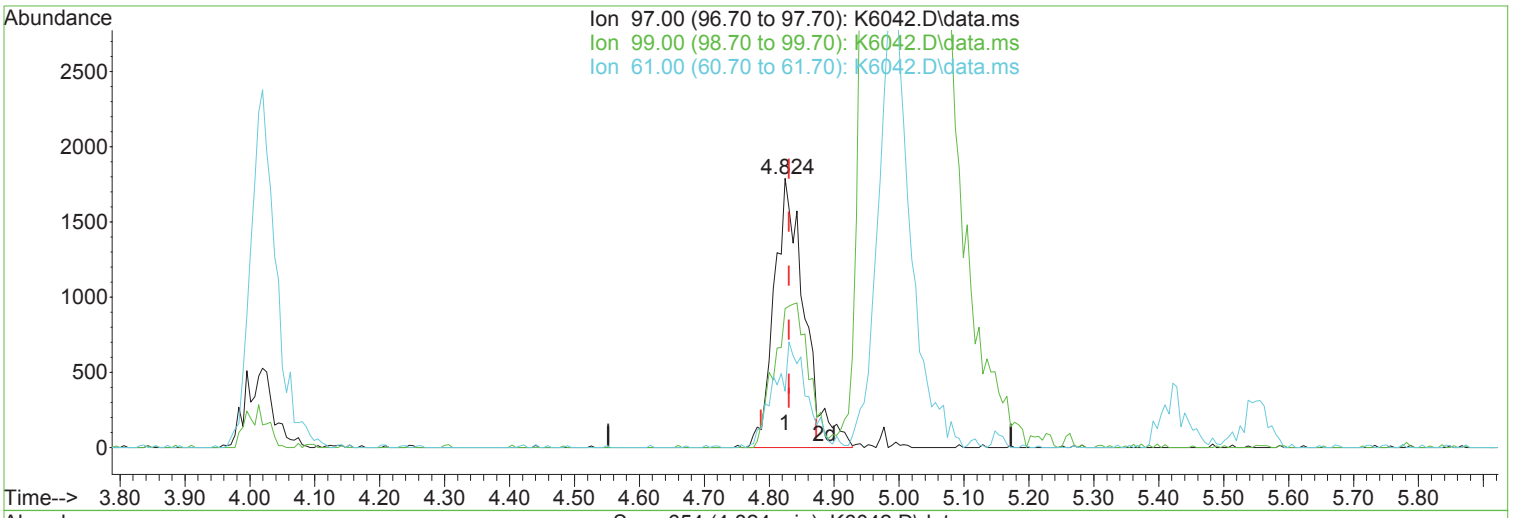
Before

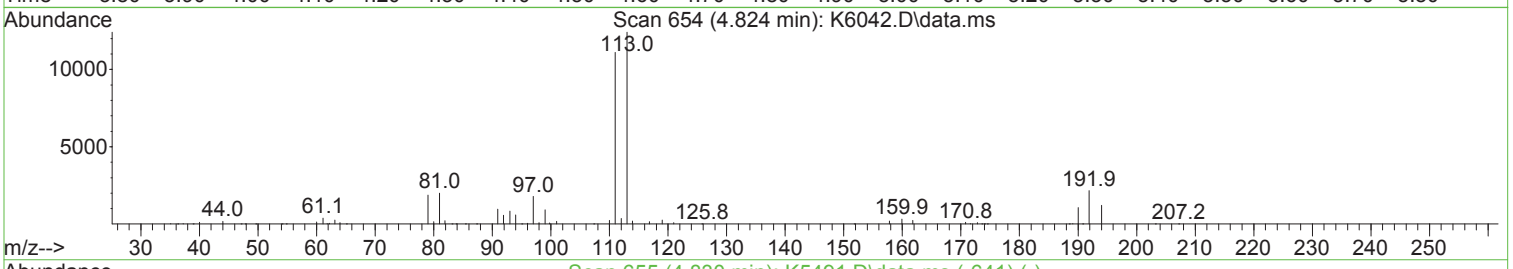
09/19/24

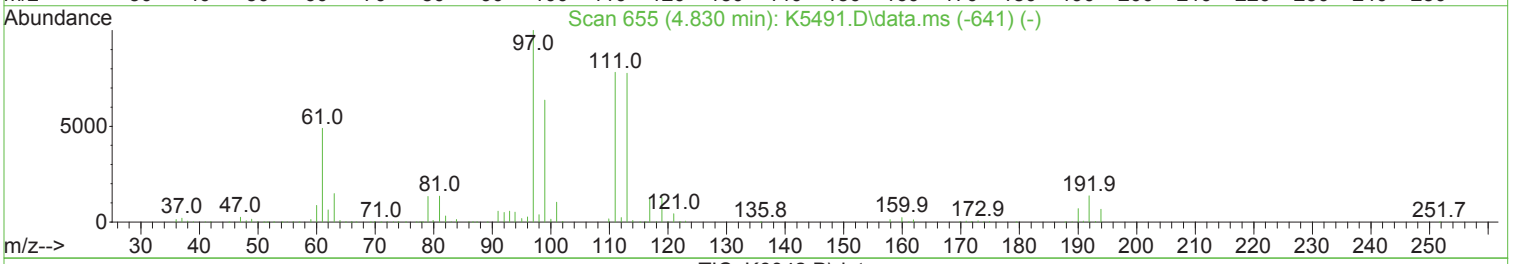
Quantitation Report (Qedit)

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QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

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

4.824min (-0.006) 1.14 ug/L m

response 5831

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	51.59
61.00	49.00	20.96#
0.00	0.00	0.00

Manual Integration:

After

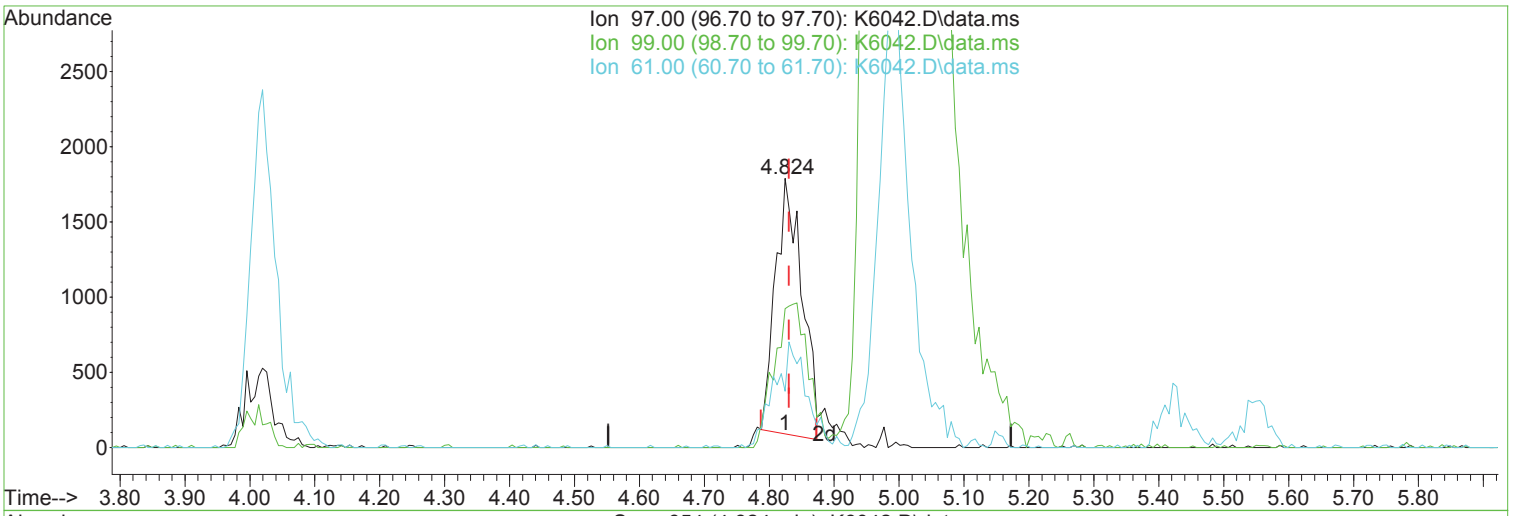
Poor integration.

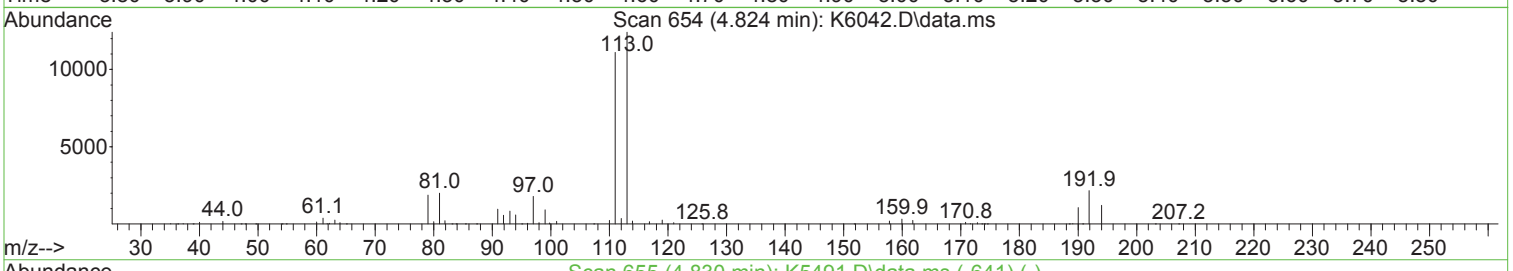
09/19/24

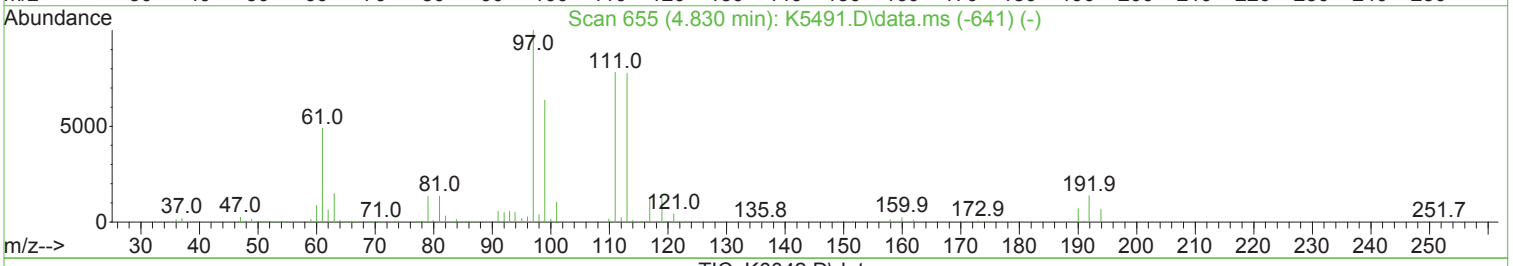
Quantitation Report (Qedit)

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Data File : K6042.D
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Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

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

4.824min (-0.006) 0.94 ug/L

response 4820

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	51.59
61.00	49.00	20.96#
0.00	0.00	0.00

Manual Integration:

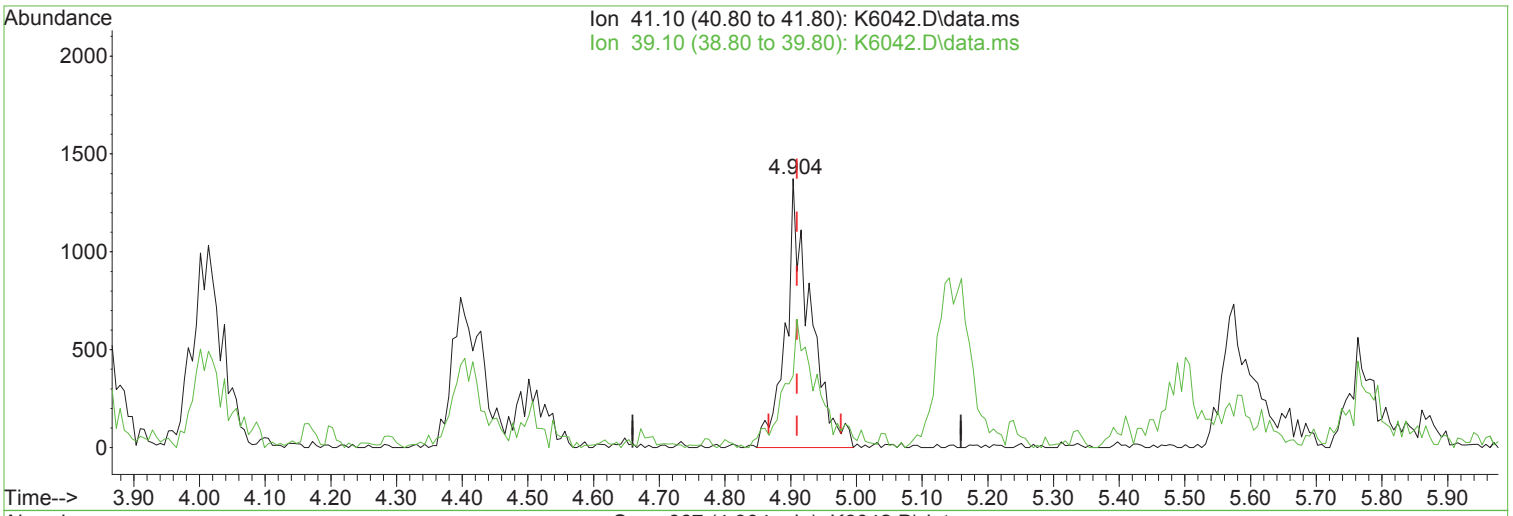
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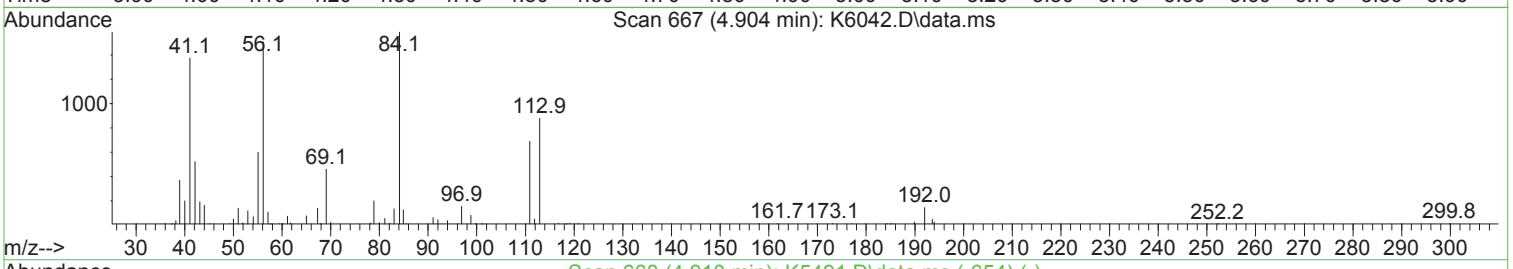
09/19/24

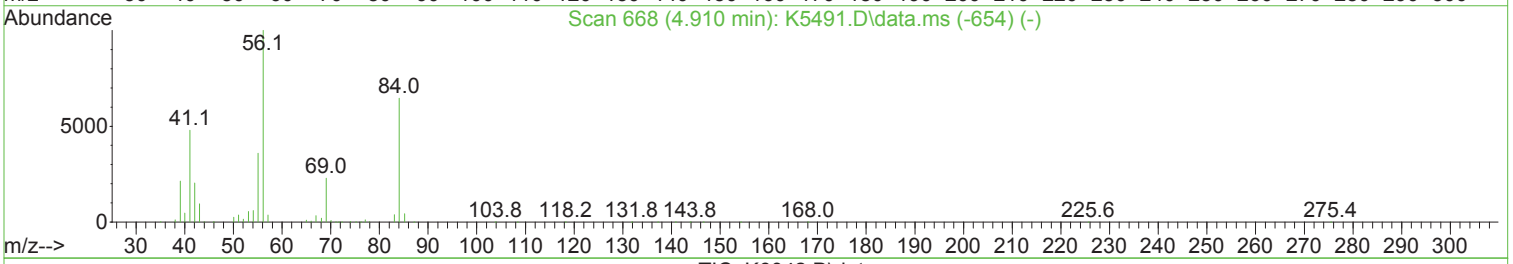
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(43) Cyclohexane (P)

4.904min (-0.006) 1.16 ug/L m

response 3565

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	44.80	26.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

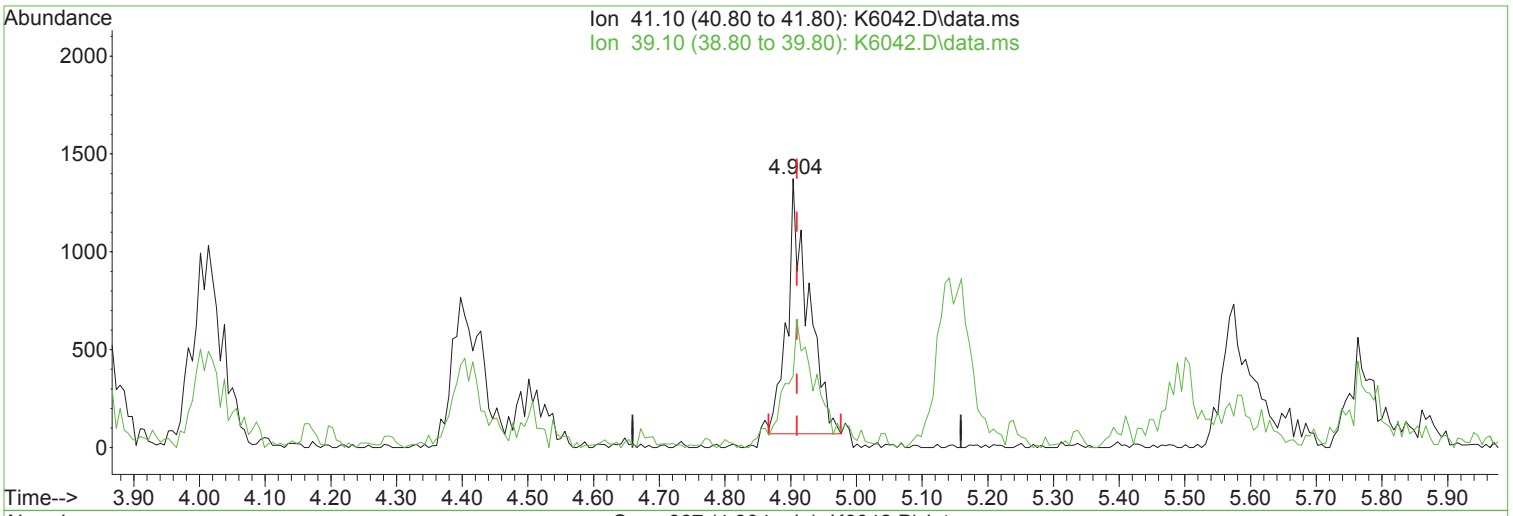
Poor integration.

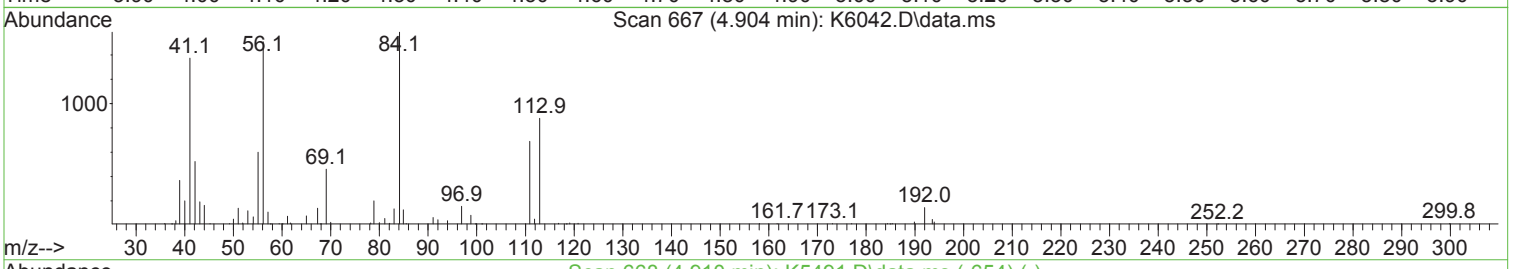
09/19/24

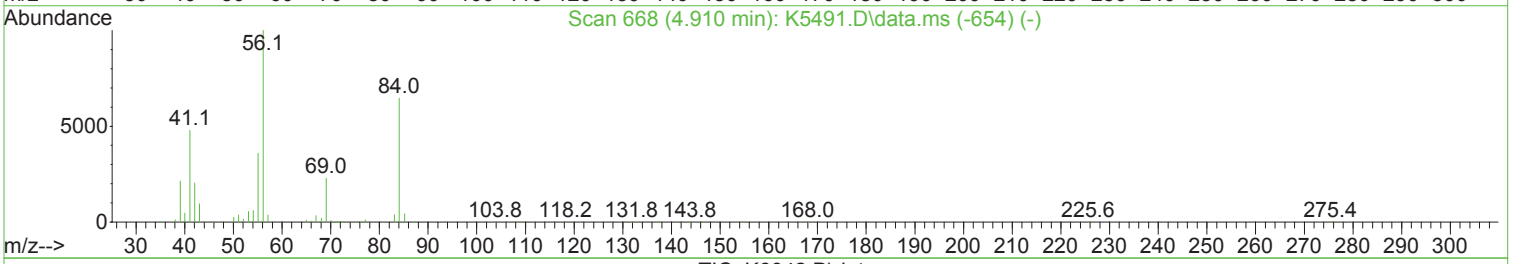
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(43) Cyclohexane (P)

4.904min (-0.006) 0.94 ug/L

response 2897

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	44.80	26.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

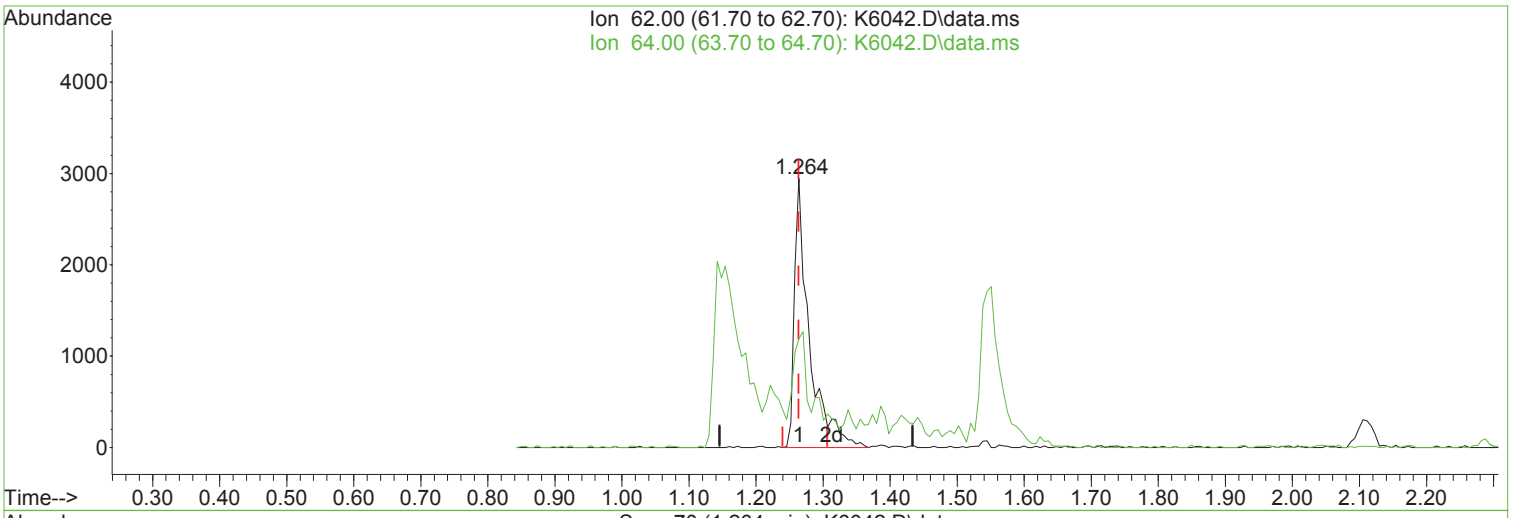
Before

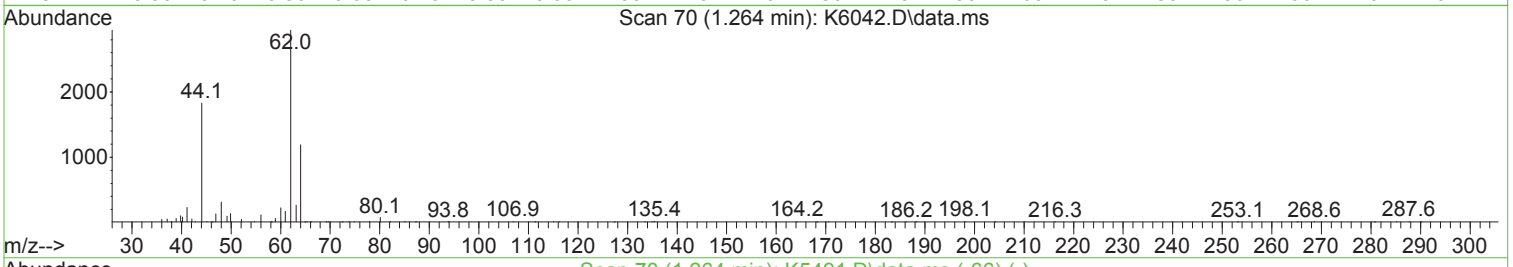
09/19/24

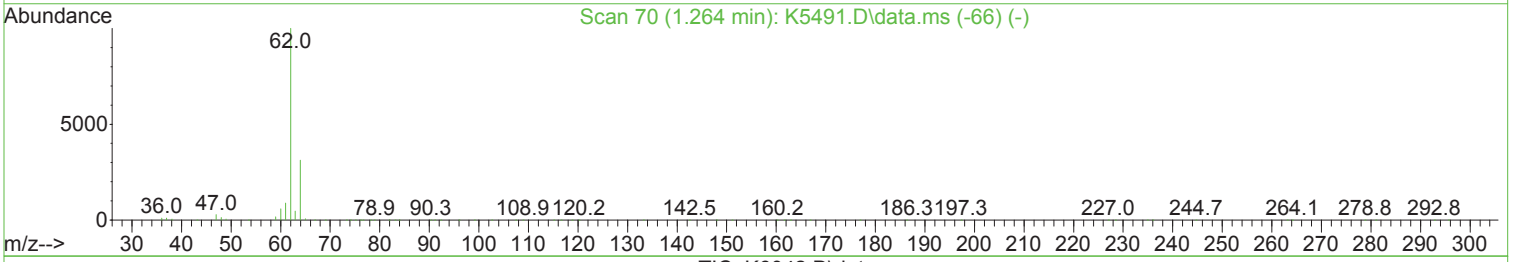
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
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TIC: K6042.D\data.ms

(5) Vinyl Chloride (P)

1.264min (-0.000) 1.05 ug/L m

response 4584

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.30	40.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

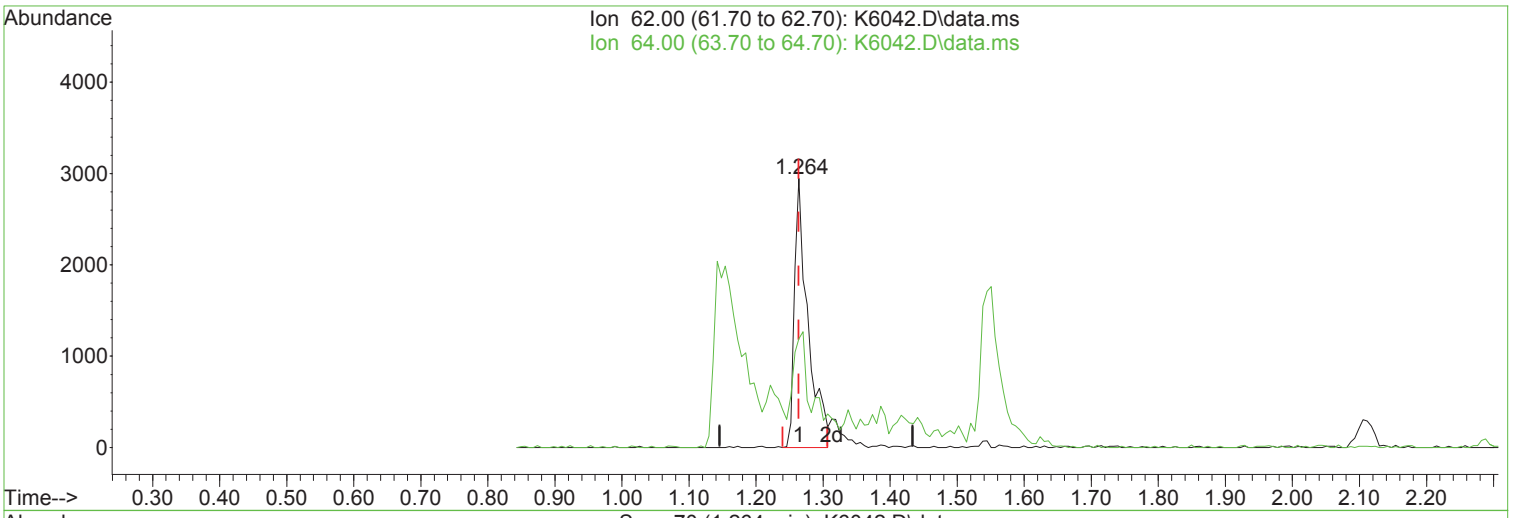
Poor integration.

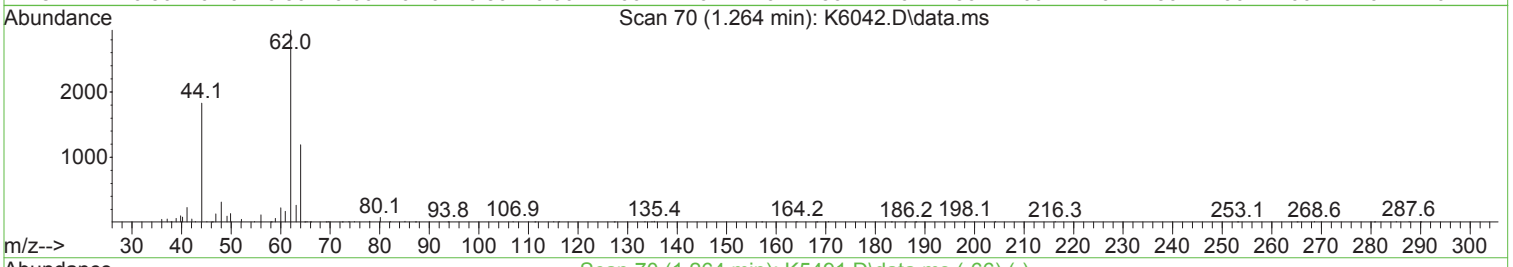
09/19/24

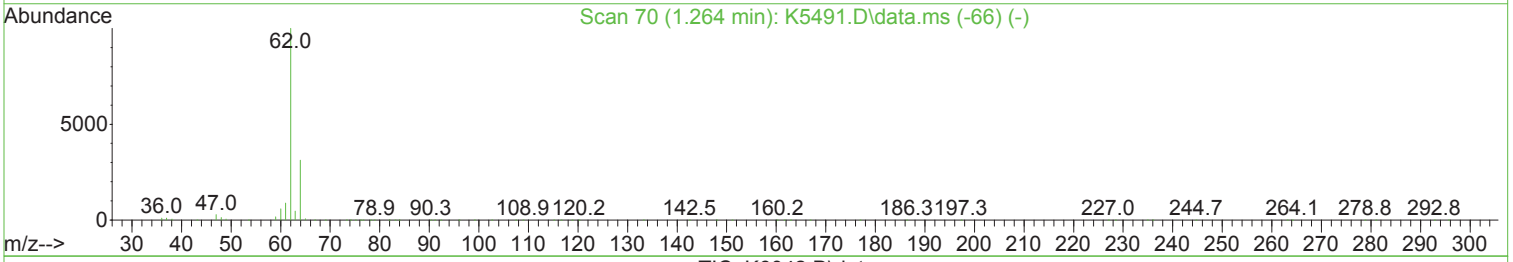
1st 09/19/24
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Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
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TIC: K6042.D\data.ms

(5) Vinyl Chloride (P)

1.264min (-0.000) 0.95 ug/L

response 4148

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.30	40.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

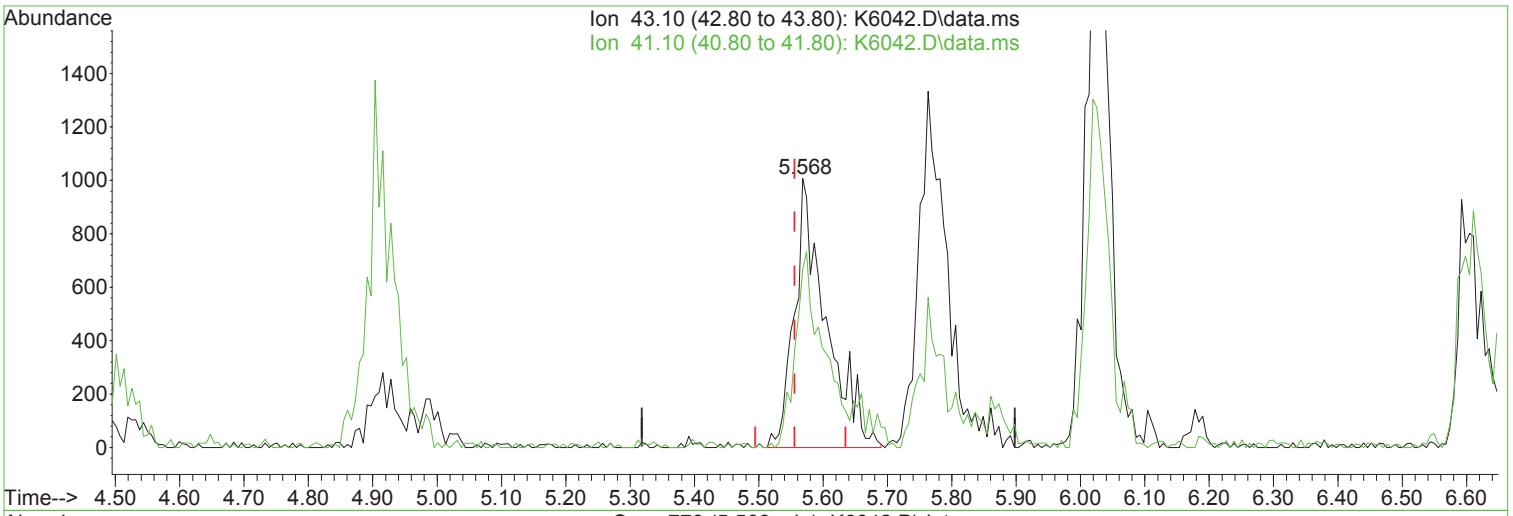
Before

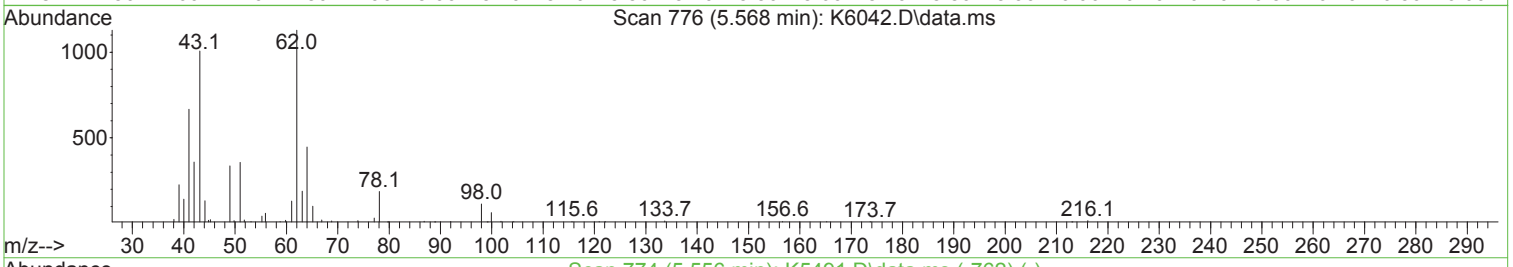
09/19/24

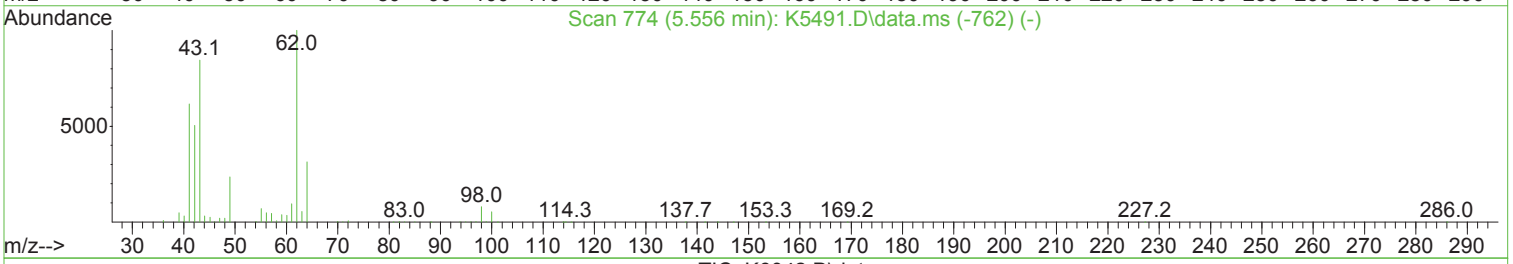
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
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Response via : Initial Calibration







TIC: K6042.D\data.ms

(50) Iso-Butyl Alcohol

5.568min (+ 0.012) 17.31 ug/L m

response 3443

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	73.00	66.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

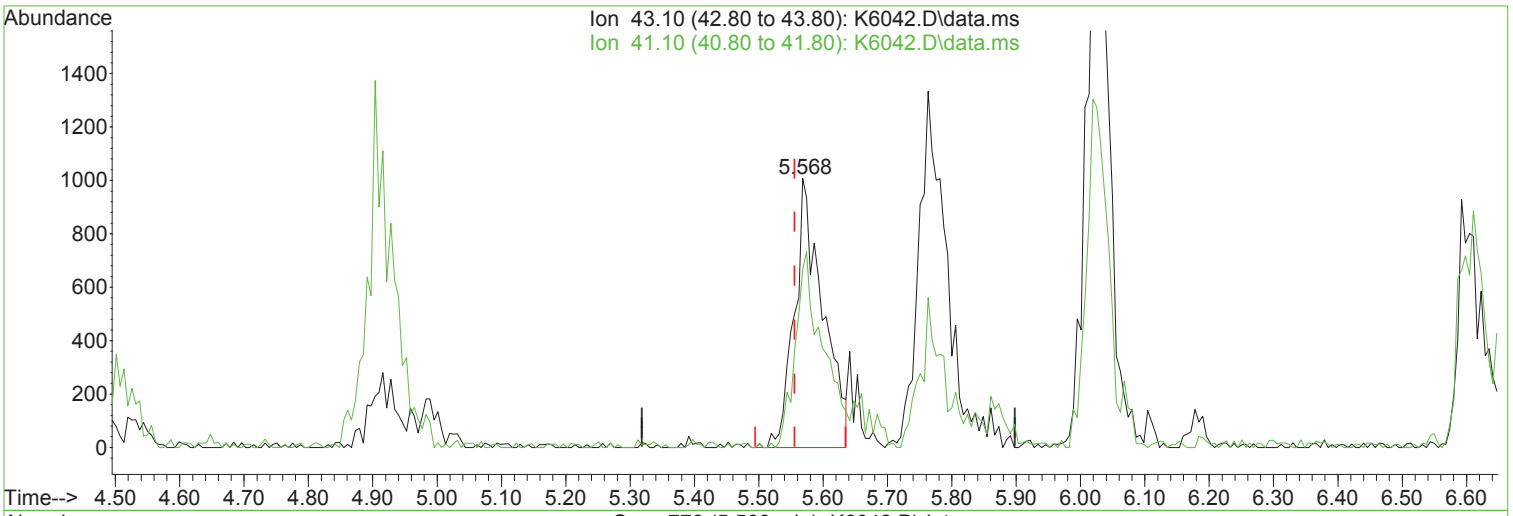
Poor integration.

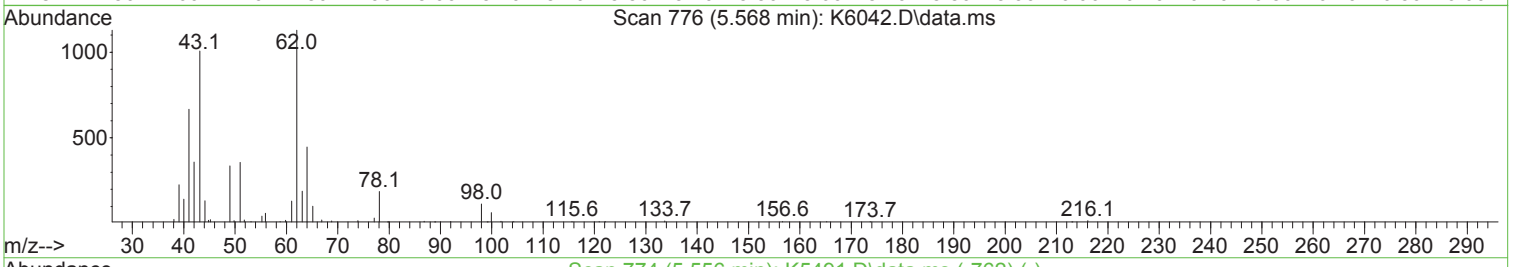
09/19/24

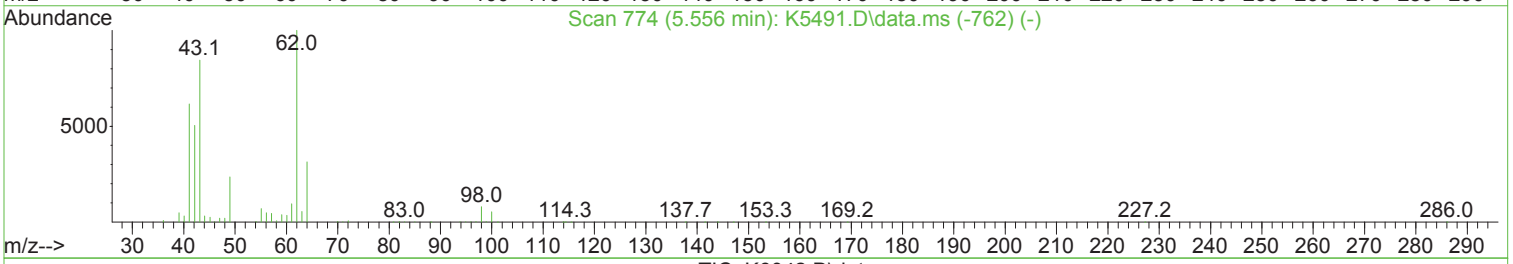
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TIC: K6042.D\data.ms

(50) Iso-Butyl Alcohol

5.568min (+ 0.012) 15.57 ug/L

response 3096

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	73.00	66.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

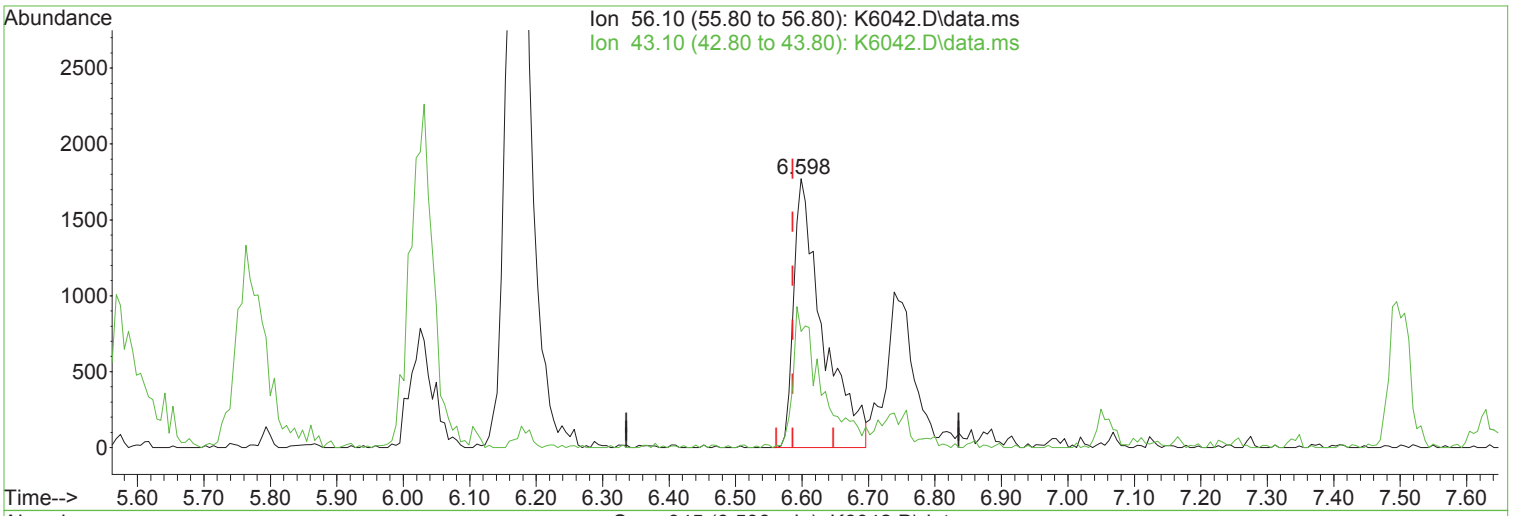
Before

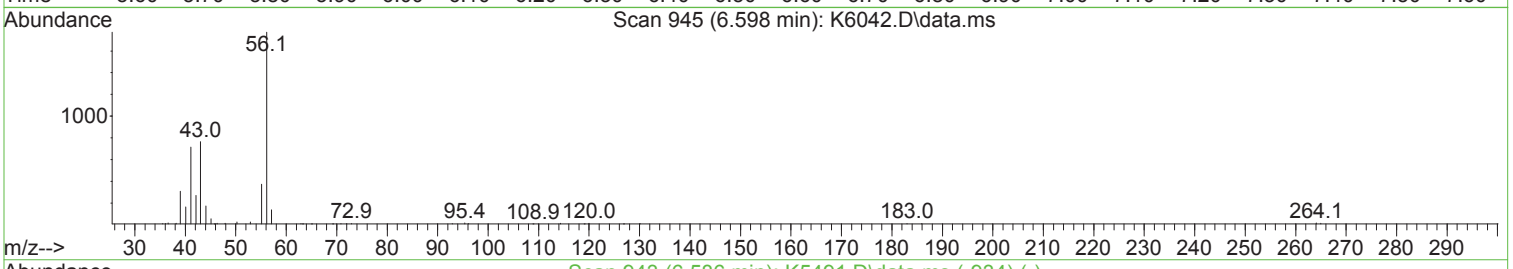
09/19/24

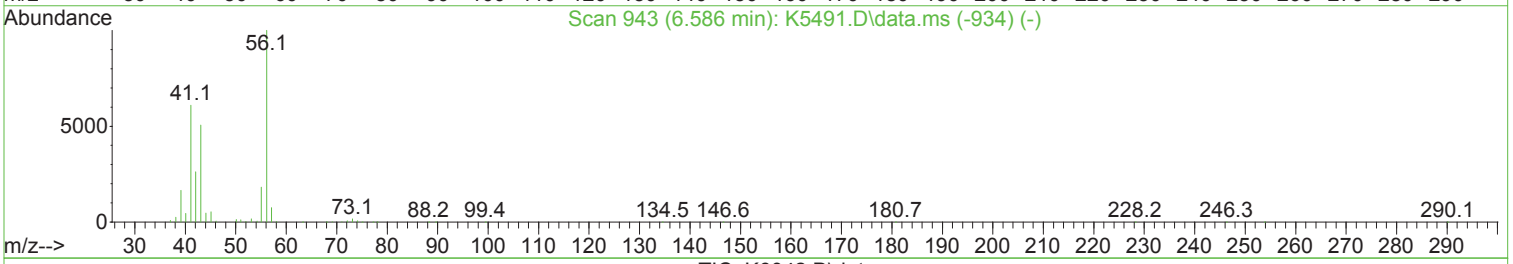
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(52) 1-Butanol

6.598min (+ 0.012) 39.98 ug/L m

response 5377

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	50.80	43.17
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

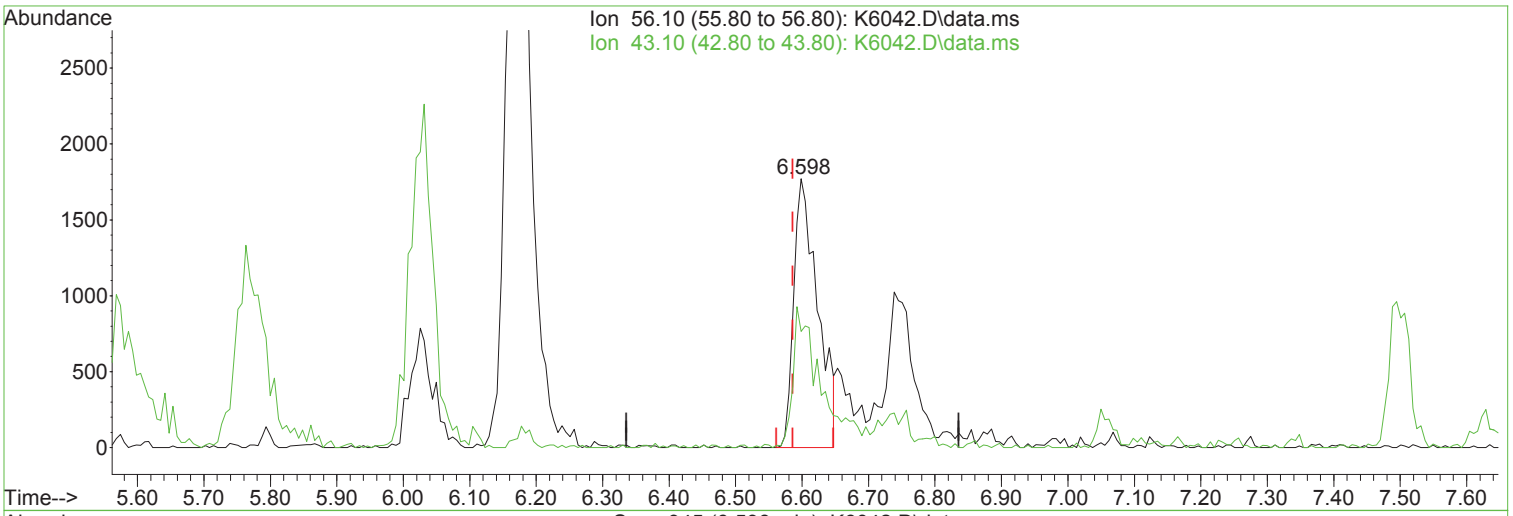
Poor integration.

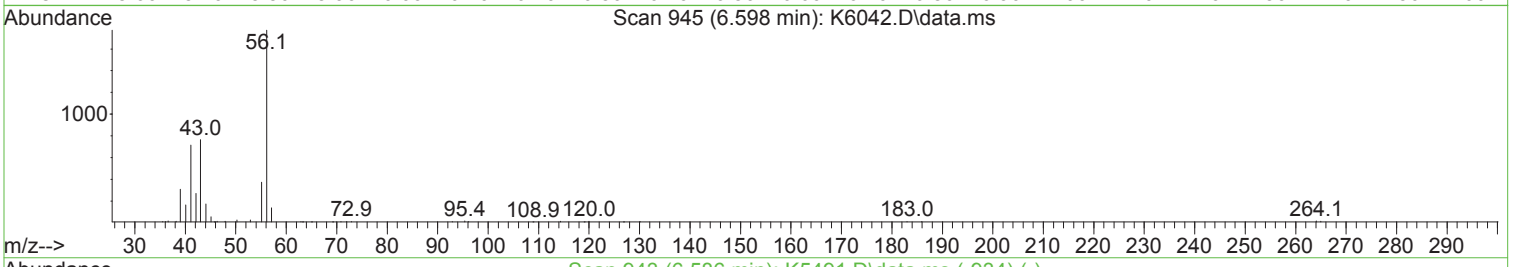
09/19/24

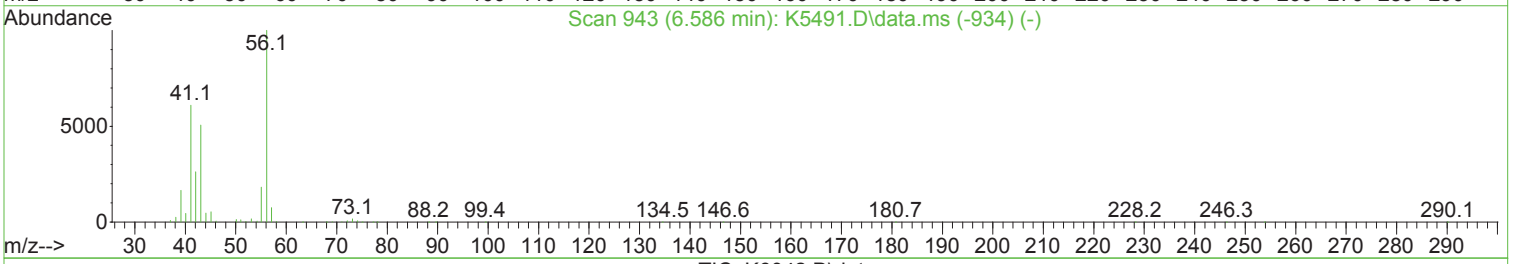
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(52) 1-Butanol

6.598min (+ 0.012) 32.94 ug/L

response 4431

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	50.80	43.17
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

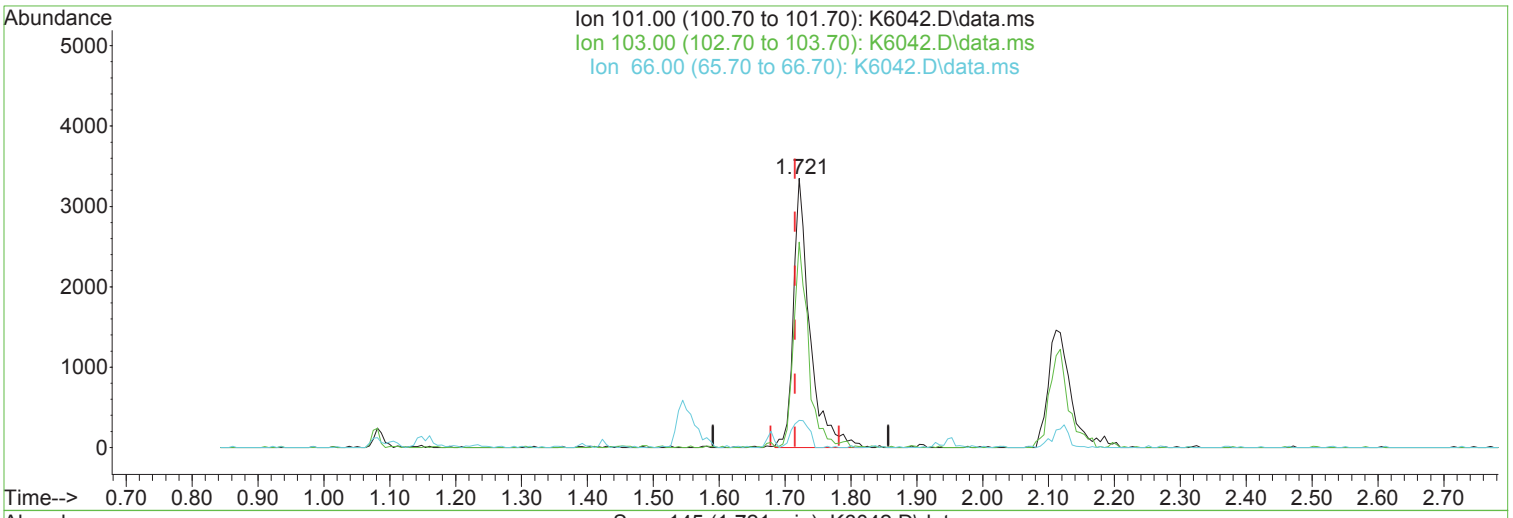
Before

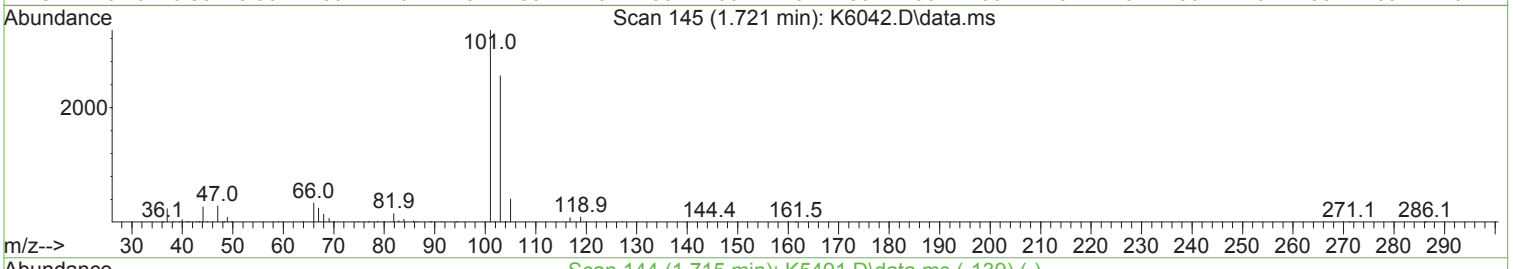
09/19/24

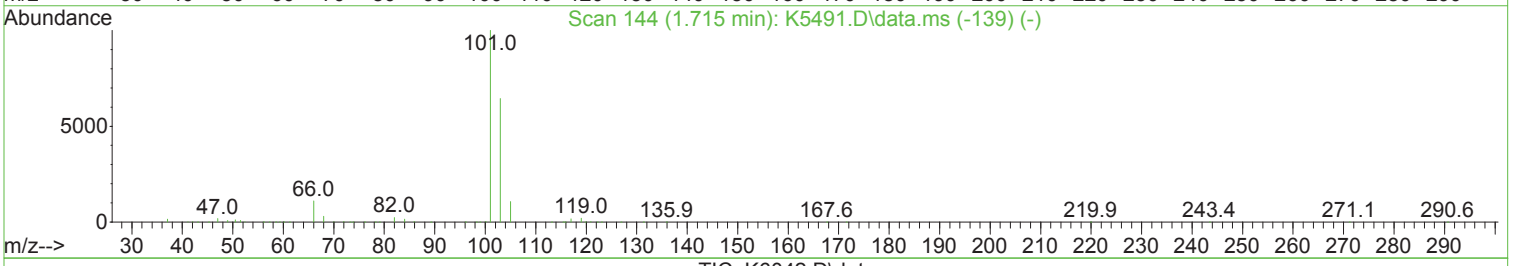
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(9) Trichlorofluoromethane (P)

1.721min (+ 0.006) 1.02 ug/L m

response 5819

Ion	Exp%	Act%
101.00	100.00	100.00
103.00	64.40	76.40
66.00	13.40	10.07
0.00	0.00	0.00

Manual Integration:

After

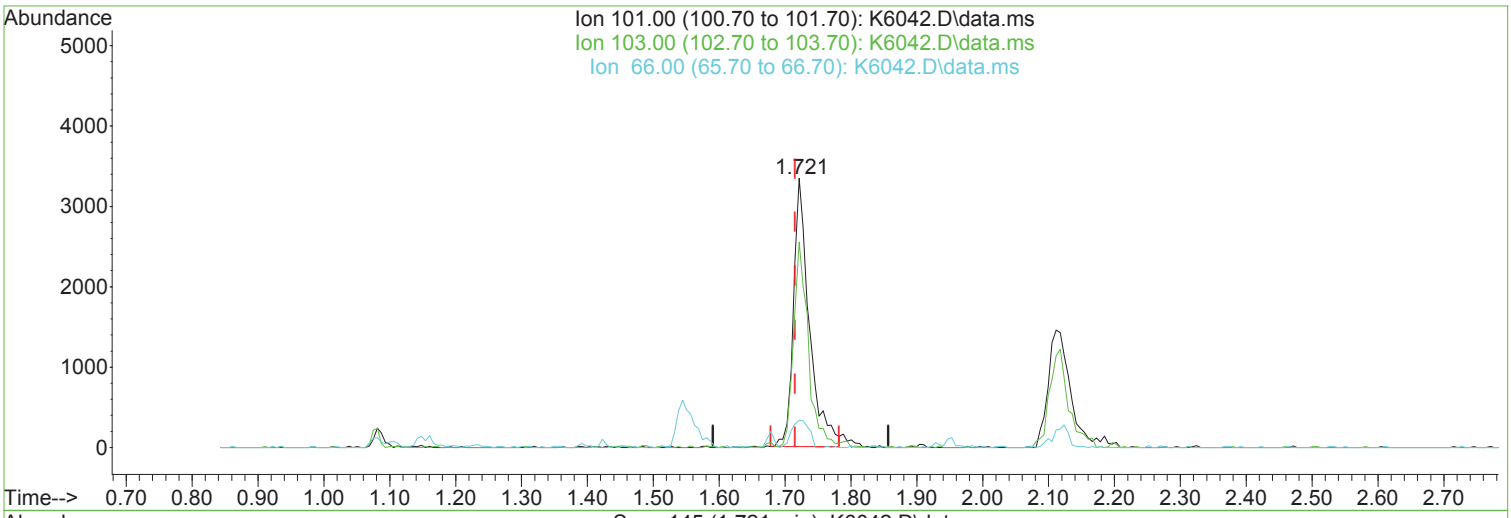
Poor integration.

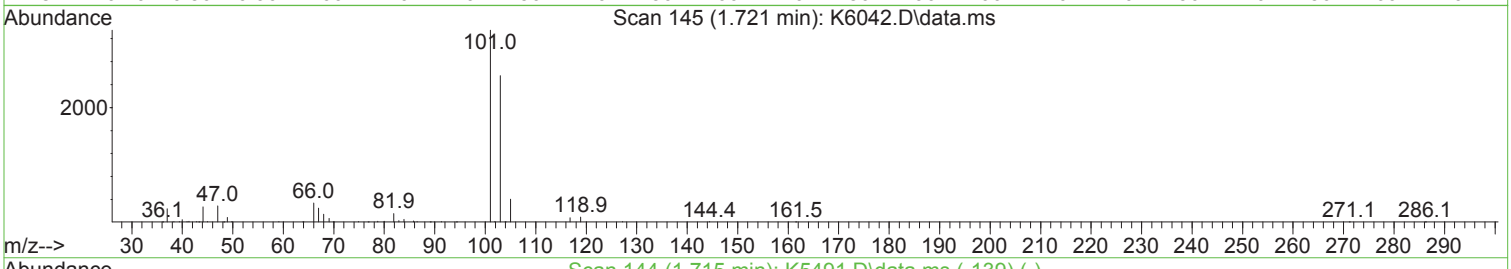
09/19/24

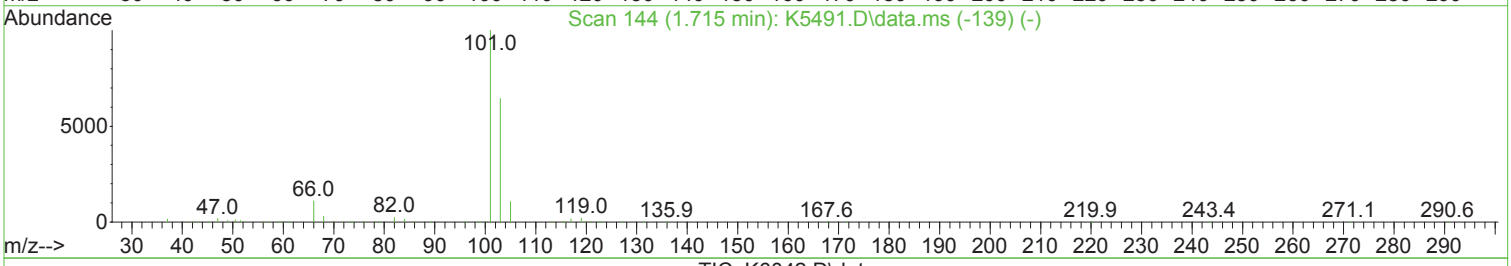
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6042.D\data.ms

(9) Trichlorofluoromethane (P)

1.721min (+ 0.006) 0.98 ug/L

response 5586

Ion	Exp%	Act%
101.00	100.00	100.00
103.00	64.40	76.40
66.00	13.40	10.07
0.00	0.00	0.00

Manual Integration:

Before

09/19/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	438021	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	670911	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	555820	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	273993	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	44375	10.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 21.88%#			
47) surr1,1,2-dichloroetha...	5.422	65	52681	11.41	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 22.82%#			
64) SURR3,Toluene-d8	8.049	98	179035	11.78	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 23.56%#			
69) SURR2,BFB	10.659	95	61543	11.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.36%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	4489	1.050	ug/L	94
3) Dichlorodifluoromethane	1.081	85	3569	0.989	ug/L	96
4) Chloromethane	1.191	50	4834	1.052	ug/L	85
5) Vinyl Chloride	1.264	62	4584m	1.055	ug/L	
6) Bromomethane	1.477	94	3444	1.388	ug/L	90
7) Chloroethane	1.551	64	3453	1.241	ug/L	95
8) Freon 21	1.679	67	6892	1.054	ug/L	97
9) Trichlorofluoromethane	1.721	101	5819m	1.017	ug/L	
10) Diethyl Ether	1.935	59	4227m	1.125	ug/L	
11) Freon 123a	1.941	67	4486m	1.085	ug/L	
12) Freon 123	1.989	83	5572m	1.111	ug/L	
13) Acrolein	2.032	56	5823m	5.027	ug/L	
14) 1,1-Diclethene	2.105	96	3459	0.970	ug/L	90
15) Freon 113	2.111	101	3503m	0.995	ug/L	
16) Acetone	2.160	43	2085	1.233	ug/L	97
17) 2-Propanol	2.276	45	6198m	20.698	ug/L	
18) Iodomethane	2.227	142	5092m	0.916	ug/L	
19) Carbon Disulfide	2.282	76	8789	1.006	ug/L	96
20) Acetonitrile/Allyl Chl...	2.416	41	7552	6.028	ug/L	92
21) Methyl Acetate	2.441	43	3431	1.034	ug/L	93
22) Methylene Chloride	2.520	84	4599	1.129	ug/L #	78
23) TBA	2.654	59	10347	18.721	ug/L	99
24) Acrylonitrile	2.764	53	10429m	5.330	ug/L	
25) Methyl-t-Butyl Ether	2.806	73	11186m	1.012	ug/L	
26) trans-1,2-Dichloroethene	2.788	96	3919	1.024	ug/L	89
27) 1,1-Diclethane	3.251	63	7383	1.065	ug/L	90
28) Vinyl Acetate	3.343	86	724	0.828	ug/L #	68
29) DIPE	3.361	45	11903m	1.032	ug/L	
30) 2-Chloro-1,3-Butadiene	3.355	53	6350	1.020	ug/L	95
31) ETBE	3.855	59	13127	1.020	ug/L	99
32) 2,2-Dichloropropane	4.020	77	5201m	1.076	ug/L	
33) cis-1,2-Dichloroethene	4.026	96	4194	1.030	ug/L #	66
34) 2-Butanone	4.099	43	1992	0.927	ug/L	81
35) Propionitrile	4.172	54	4170	5.064	ug/L	87
36) Bromochloromethane	4.385	130	3082m	1.047	ug/L	
37) Methacrylonitrile	4.398	67	1847	0.977	ug/L #	77
38) Tetrahydrofuran	4.519	42	1505	1.119	ug/L	94
39) Chloroform	4.550	83	6443	1.023	ug/L	93
40) 1,1,1-Trichloroethane	4.824	97	5831m	1.140	ug/L	

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.769	73	10520	1.019	ug/L		92
43) Cyclohexane	4.904	41	3565m	1.157	ug/L		
45) Carbontetrachloride	5.123	117	4991	1.005	ug/L	#	78
46) 1,1-Dichloropropene	5.154	75	5233	1.083	ug/L		95
48) Benzene	5.501	78	14832	1.031	ug/L		94
49) 1,2-Dichloroethane	5.544	62	5765	1.038	ug/L		95
50) Iso-Butyl Alcohol	5.568	43	3443m	17.310	ug/L		
51) n-Heptane	6.031	43	5475	1.066	ug/L		95
52) 1-Butanol	6.598	56	5377m	39.976	ug/L		
53) Trichloroethene	6.507	130	4688	1.039	ug/L		95
54) Methylcyclohexane	6.745	55	6194	1.060	ug/L		89
55) 1,2-Diclpropane	6.806	63	4201	1.071	ug/L		90
56) Dibromomethane	6.952	93	2425	0.992	ug/L		86
57) 1,4-Dioxane	7.056	88	1287	21.152	ug/L	#	60
58) Methyl Methacrylate	7.068	69	2919	0.991	ug/L	#	75
59) Bromodichloromethane	7.196	83	4236	0.944	ug/L		93
60) 2-Nitropropane	7.495	41	1854	1.852	ug/L		85
61) 2-Chloroethylvinyl Ether	7.629	63	663	1.129	ug/L		67
62) cis-1,3-Dichloropropene	7.757	75	5244	0.961	ug/L		94
63) 4-Methyl-2-pentanone	7.988	43	4231	1.067	ug/L		95
65) Toluene	8.123	91	17177	1.066	ug/L		90
66) trans-1,3-Dichloropropene	8.409	75	4523	0.911	ug/L		98
67) Ethyl Methacrylate	8.561	69	4560	0.881	ug/L	#	76
68) 1,1,2-Trichloroethane	8.604	97	3888	1.039	ug/L		84
71) Tetrachloroethene	8.720	164	3690	1.089	ug/L		91
72) 2-Hexanone	8.915	43	2867	1.011	ug/L		88
73) 1,3-Dichloropropane	8.775	76	6422	1.107	ug/L	#	80
74) Dibromochloromethane	9.000	129	3609	0.946	ug/L		85
75) N-Butyl Acetate	9.074	43	6224	1.014	ug/L		90
76) 1,2-Dibromoethane	9.092	107	4062	1.050	ug/L		82
77) 3-Chlorobenzotrifluoride	9.628	180	6377	1.053	ug/L		96
78) Chlorobenzene	9.598	112	11590	1.048	ug/L		93
79) 4-Chlorobenzotrifluoride	9.683	180	5367	1.007	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.689	131	3597	0.923	ug/L		92
81) Ethylbenzene	9.726	106	6230	1.098	ug/L	#	79
82) (m+p)Xylene	9.836	106	14767	2.109	ug/L		98
83) o-Xylene	10.201	106	7277	1.057	ug/L		92
84) Styrene	10.214	104	11086	0.980	ug/L		98
85) Bromoform	10.360	173	1912	0.853	ug/L		97
86) 2-Chlorobenzotrifluoride	10.451	180	5755	1.012	ug/L		92
87) Isopropylbenzene	10.537	105	17432	1.057	ug/L		96
88) Cyclohexanone	10.610	55	18339	19.062	ug/L		86
89) trans-1,4-Dichloro-2-B...	10.854	53	1294	0.911	ug/L		76
91) 1,1,2,2-Tetrachloroethane	10.805	83	5204	1.100	ug/L		97
92) Bromobenzene	10.781	156	4938	1.126	ug/L	#	86
93) 1,2,3-Trichloropropane	10.829	110	1767	1.064	ug/L		88
94) n-Propylbenzene	10.896	91	21425	1.135	ug/L		99
95) 2-Chlorotoluene	10.957	91	12220	1.091	ug/L		94
96) 3-Chlorotoluene	11.012	91	12609	1.085	ug/L		98
97) 4-Chlorotoluene	11.049	91	15140	1.153	ug/L		97
98) 1,3,5-Trimethylbenzene	11.055	105	15699	1.096	ug/L		82
99) tert-Butylbenzene	11.323	119	14155	1.113	ug/L		93
100) 1,2,4-Trimethylbenzene	11.366	105	15246	1.074	ug/L		88
101) 3,4-Dichlorobenzotrifl...	11.433	214	4445	1.104	ug/L		93
102) sec-Butylbenzene	11.506	105	18894	1.054	ug/L		98
103) p-Isopropyltoluene	11.634	119	15967	1.037	ug/L		98

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

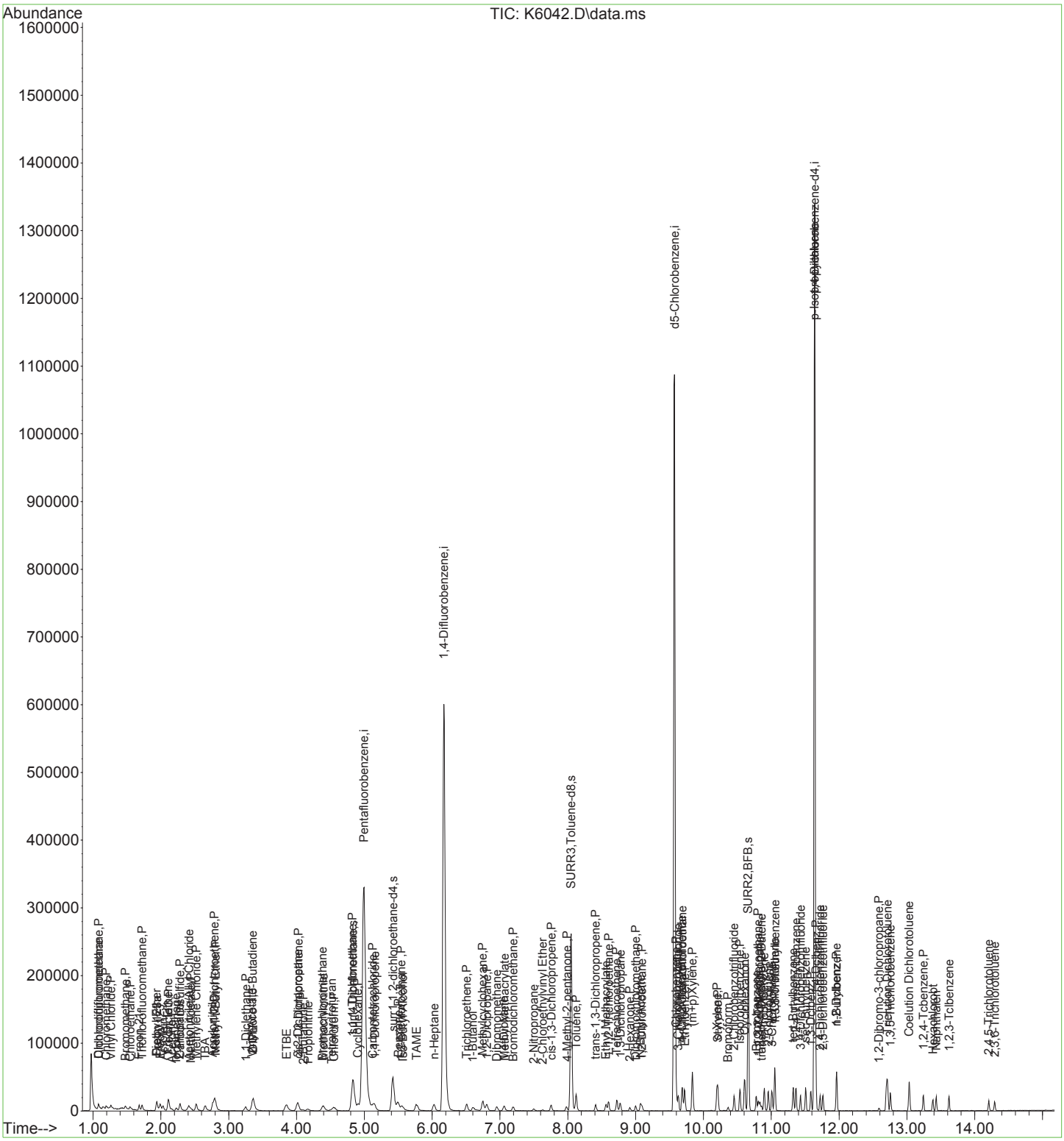
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	9887	1.163	ug/L	95
105) 1,4-Dclbenz	11.658	146	9514	1.119	ug/L	94
106) 2,4-Dichlorobenzotrifl...	11.719	214	3783	1.065	ug/L	91
107) 2,5-Dichlorobenzotrifl...	11.762	214	4622	1.162	ug/L	92
108) n-Butylbenzene	11.963	91	12890	1.000	ug/L	96
109) 1,2-Dclbenz	11.963	146	9473	1.147	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.585	157	906	0.861	ug/L	89
111) Trielution Dichlorotol...	12.713	125	24127	3.124	ug/L	95
112) 1,3,5-Trichlorobenzene	12.756	180	6345	1.063	ug/L	93
113) Coelution Dichlorotoluene	13.030	125	15076	1.897	ug/L	98
114) 1,2,4-Tcbenzene	13.244	180	5361	0.956	ug/L	92
115) Hexachlorobt	13.384	225	2487	1.064	ug/L	90
116) Naphthalen	13.433	128	13014	0.867	ug/L	99
117) 1,2,3-Tclbenzene	13.622	180	5257	0.996	ug/L	90
118) 2,4,5-Trichlorotoluene	14.207	159	3211	0.833	ug/L	96
119) 2,3,6-Trichlorotoluene	14.298	159	2712	0.792	ug/L	95

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

1st KR 09/19/24
2nd FW 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6042.D
Acq On : 18 Sep 2024 12:05 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

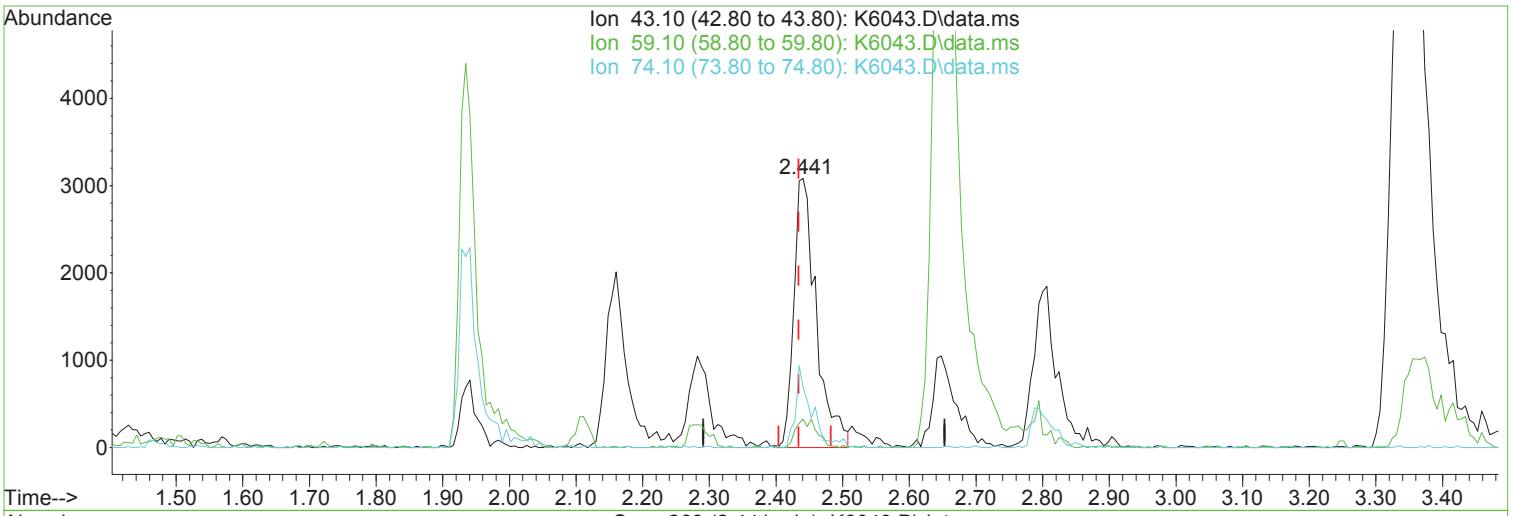
Quant Time: Sep 18 18:56:32 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

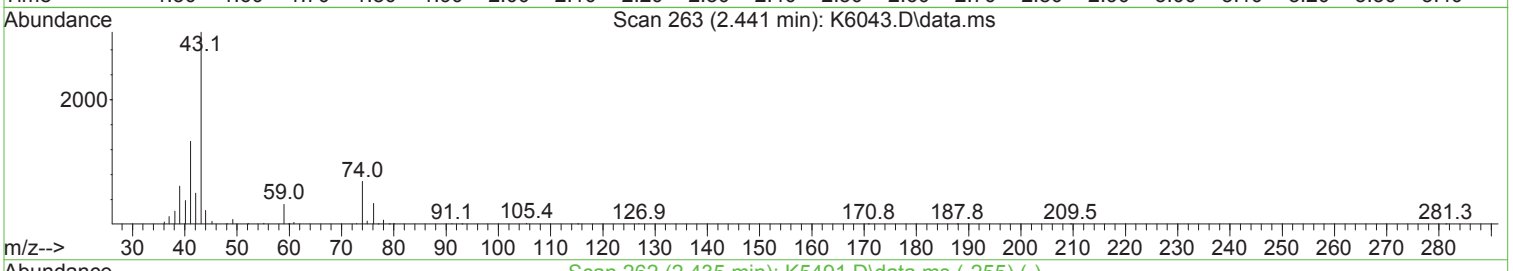


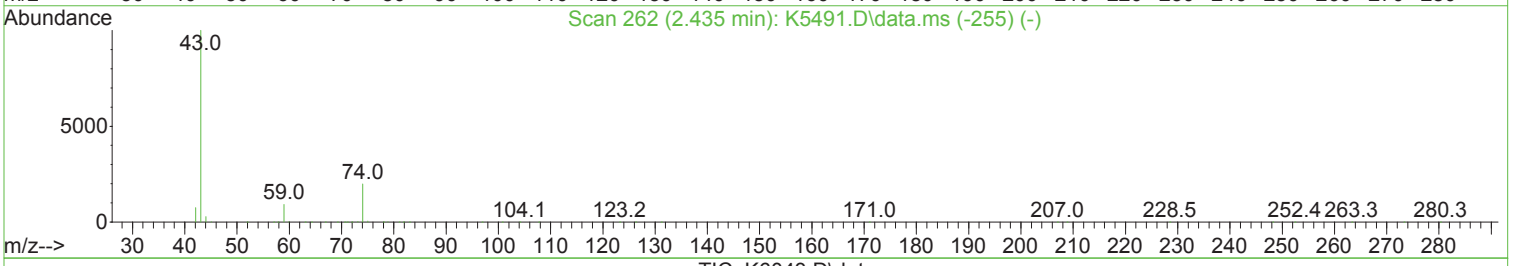
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(21) Methyl Acetate (P)

2.441min (+ 0.006) 2.14 ug/L m

response 7212

Ion	Exp%	Act%
43.10	100.00	100.00
59.10	9.40	10.58
74.10	19.80	22.49
0.00	0.00	0.00

Manual Integration:

After

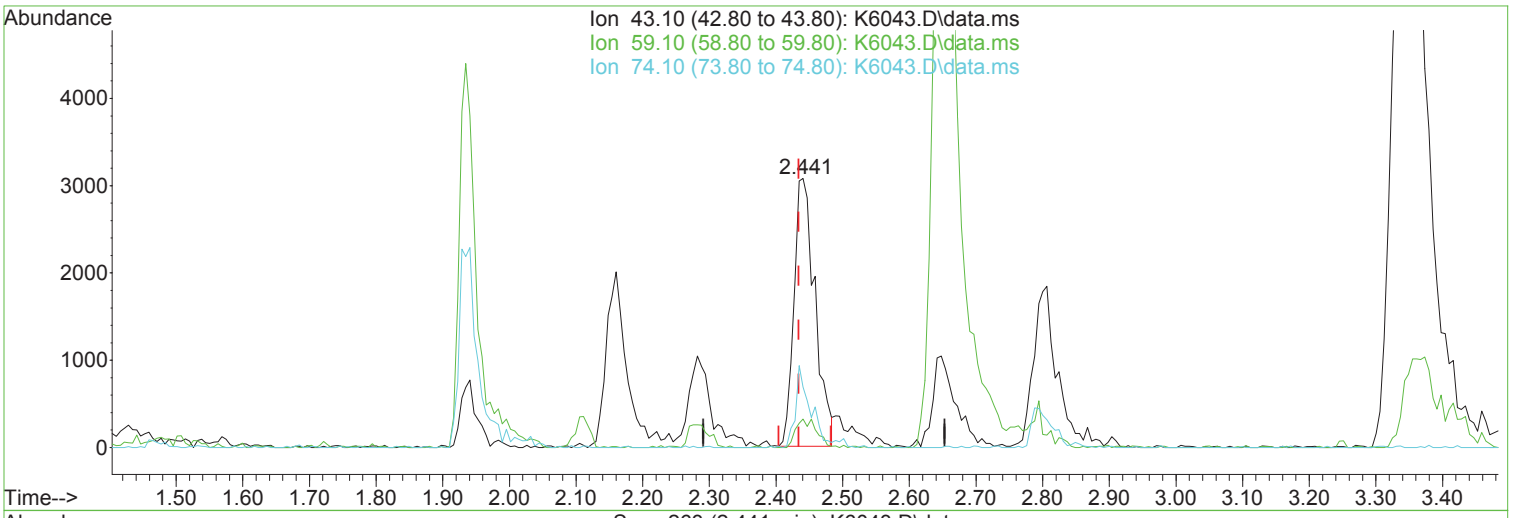
Poor integration.

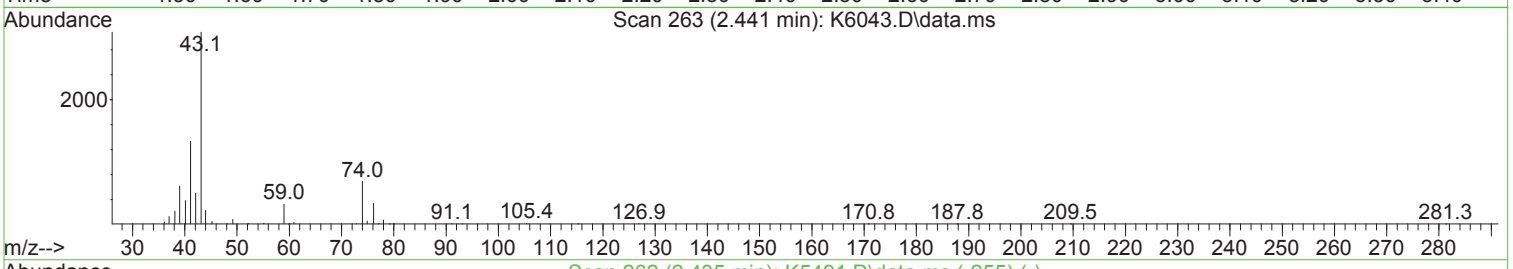
09/19/24

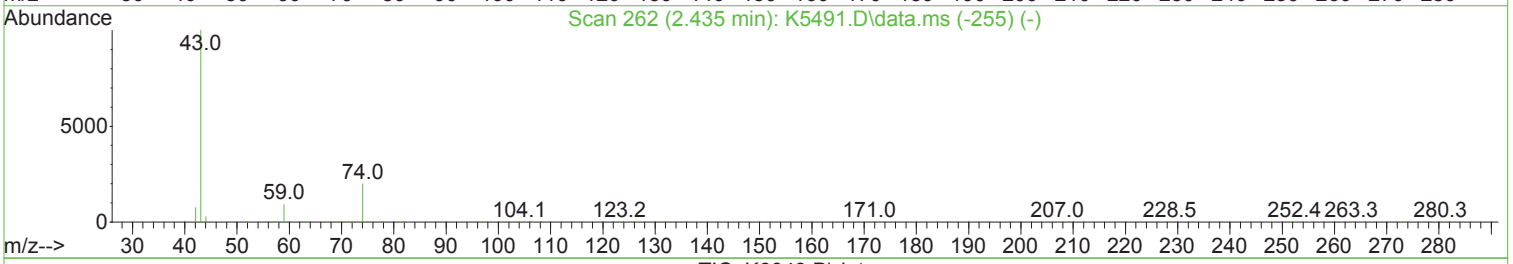
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(21) Methyl Acetate (P)

2.441min (+ 0.006) 2.00 ug/L

response 6740

Ion	Exp%	Act%
43.10	100.00	100.00
59.10	9.40	10.58
74.10	19.80	22.49
0.00	0.00	0.00

Manual Integration:

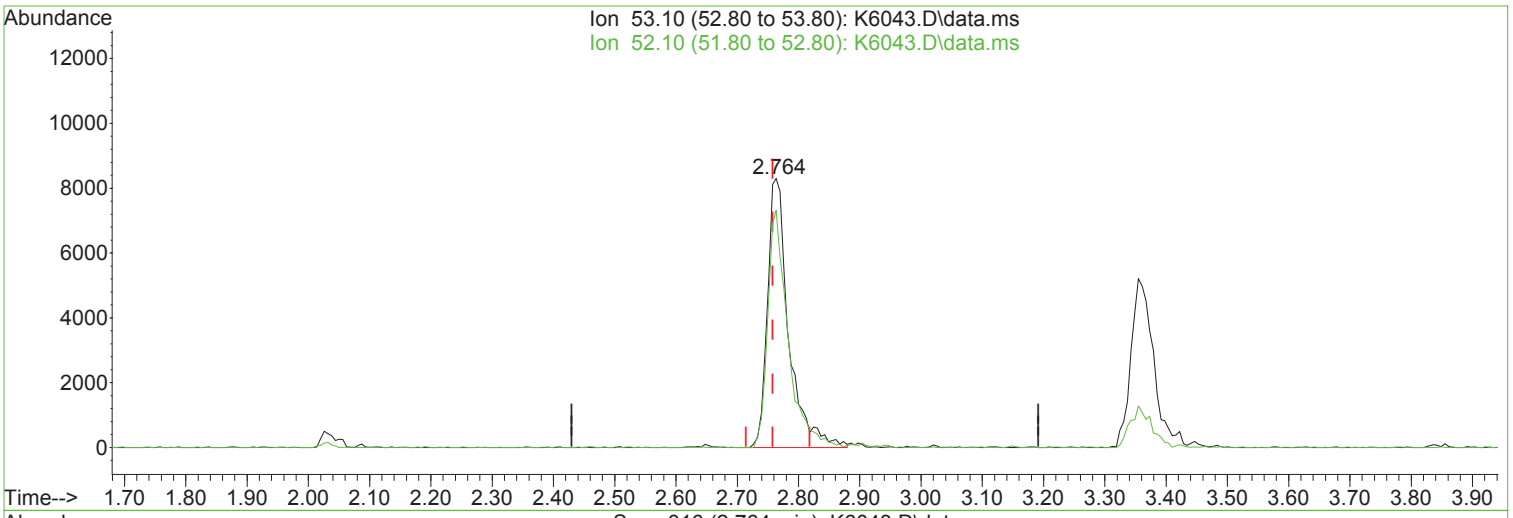
Before

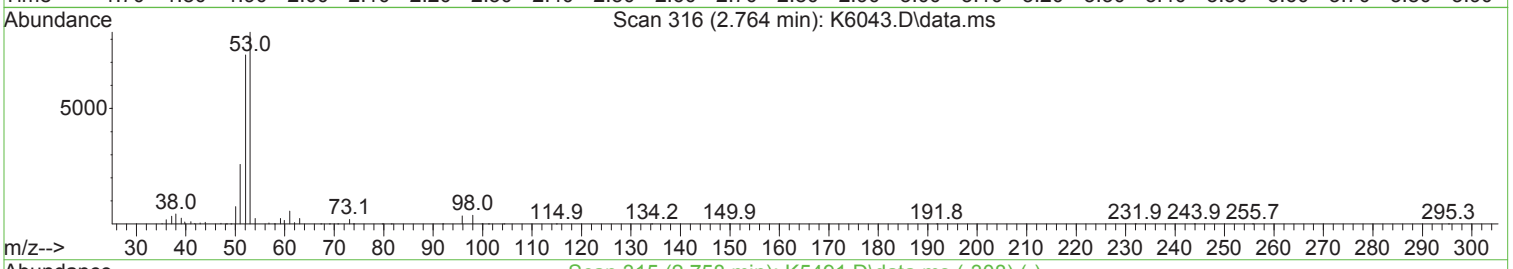
09/19/24

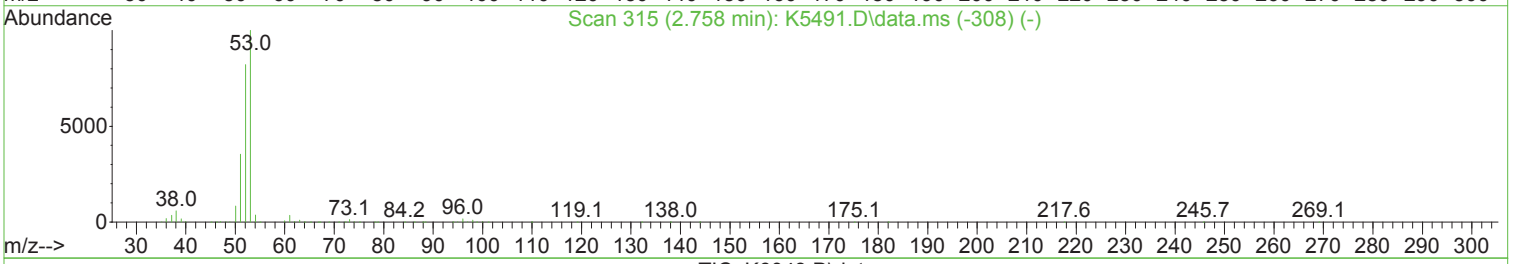
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(24) Acrylonitrile

2.764min (+ 0.006) 10.12 ug/L m

response 20062

Ion	Exp%	Act%
53.10	100.00	100.00
52.10	82.20	88.17
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

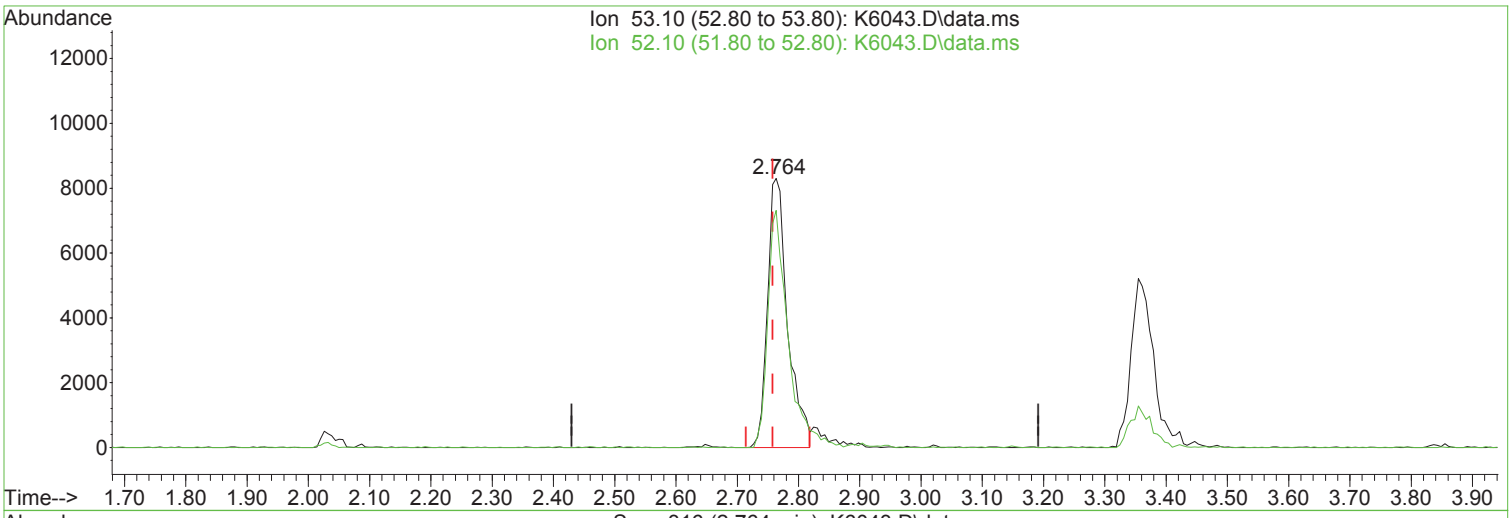
Poor integration.

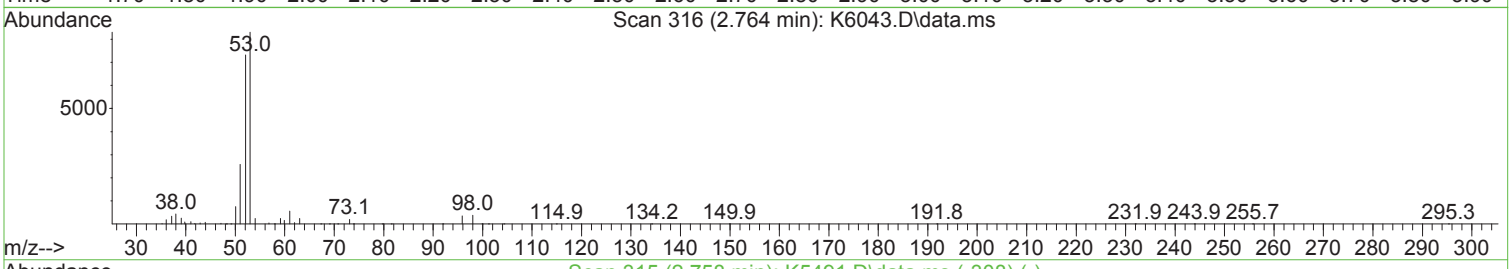
09/19/24

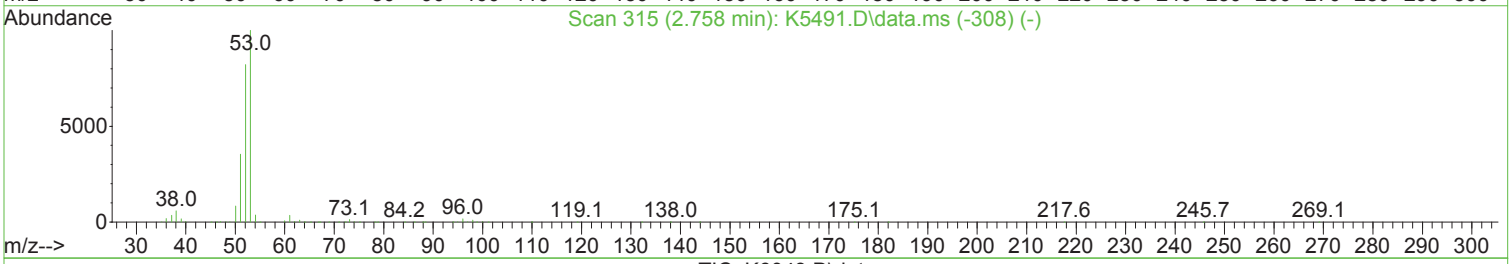
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(24) Acrylonitrile **Manual Integration:**

2.764min (+ 0.006) 9.56 ug/L **Before**

response 18962

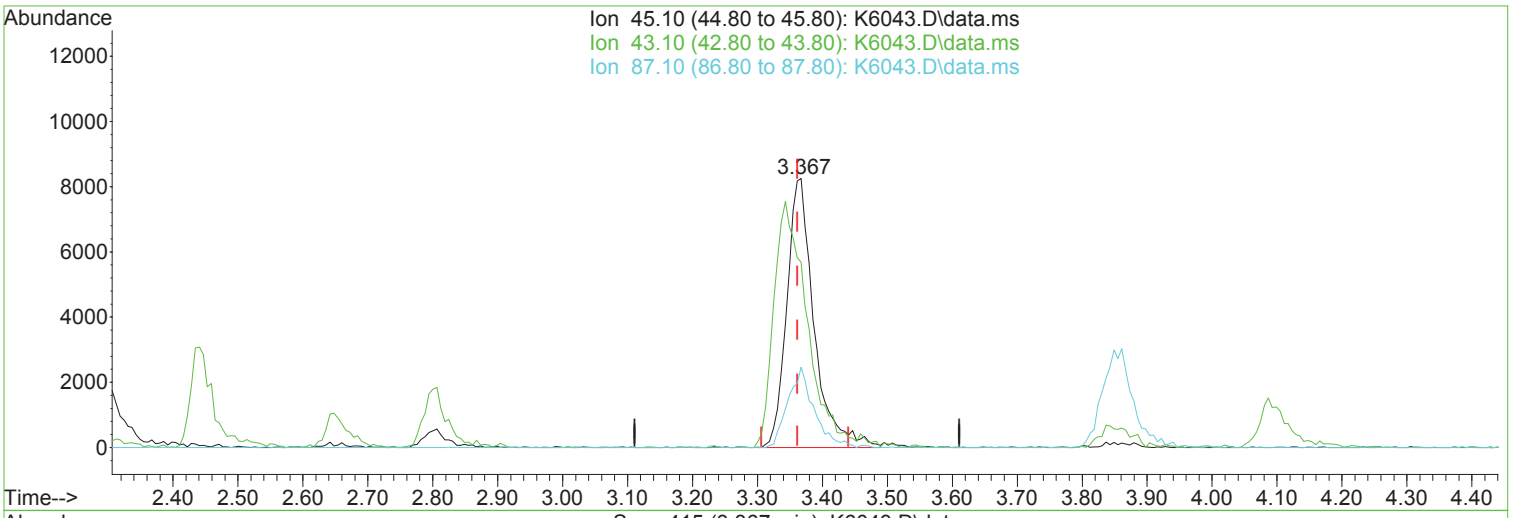
Ion	Exp%	Act%
53.10	100.00	100.00
52.10	82.20	88.17
0.00	0.00	0.00
0.00	0.00	0.00

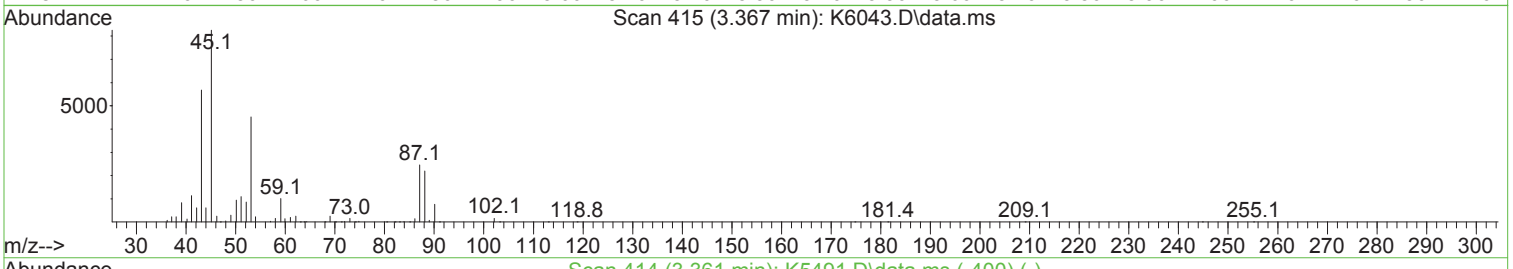
09/19/24

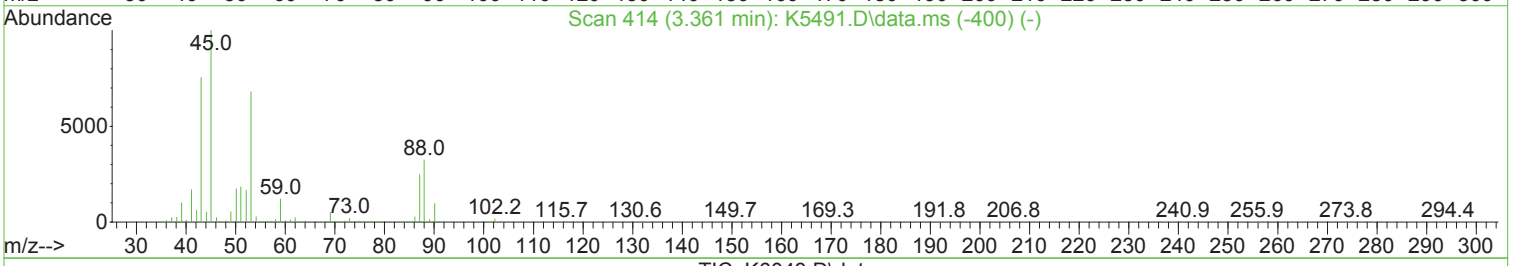
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(29) DIPE

3.367min (+ 0.006) 2.06 ug/L m

response 24075

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	75.50	68.83
87.10	25.00	29.86
0.00	0.00	0.00

Manual Integration:

After

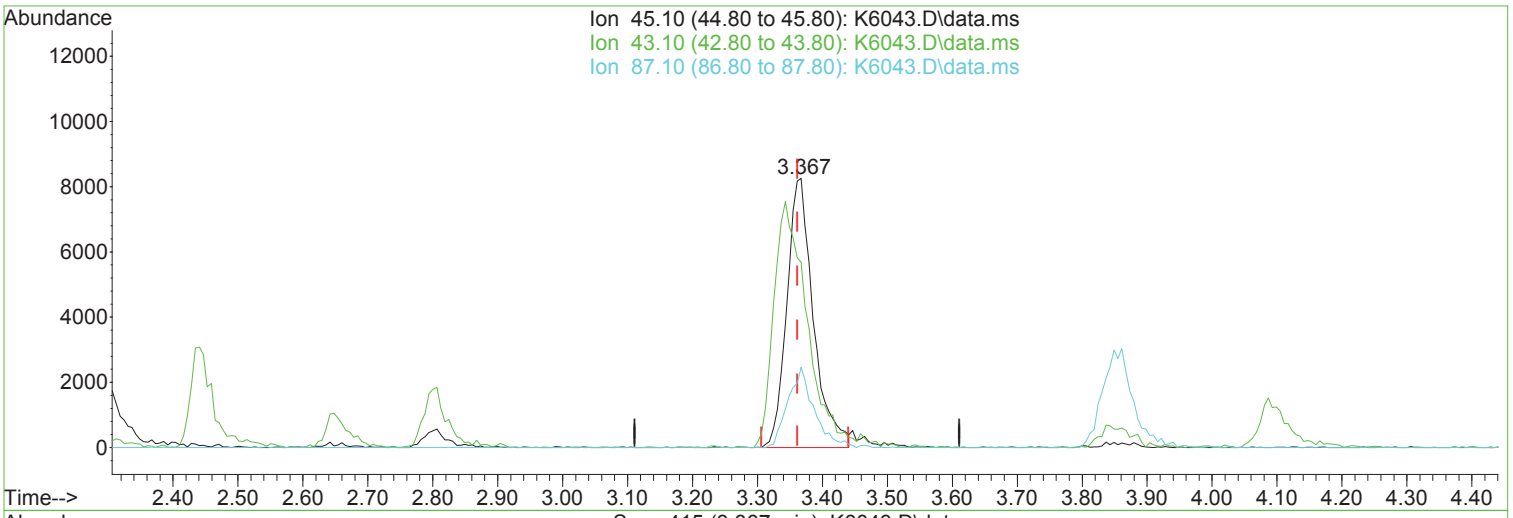
Poor integration.

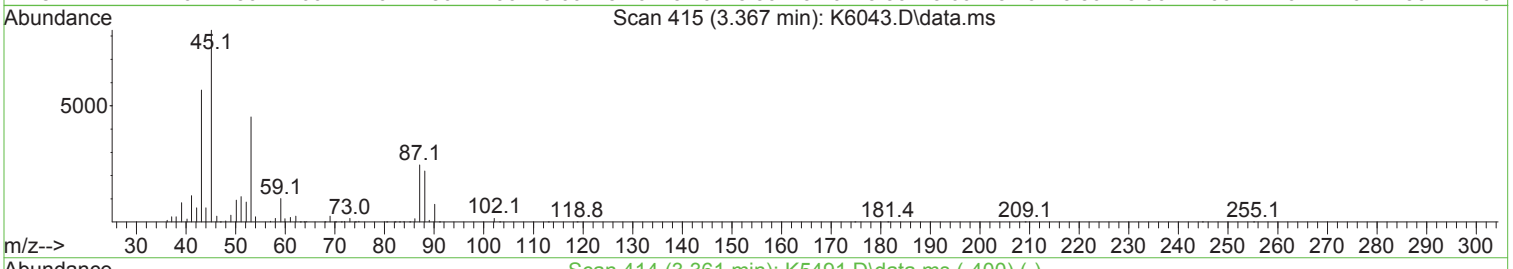
09/19/24

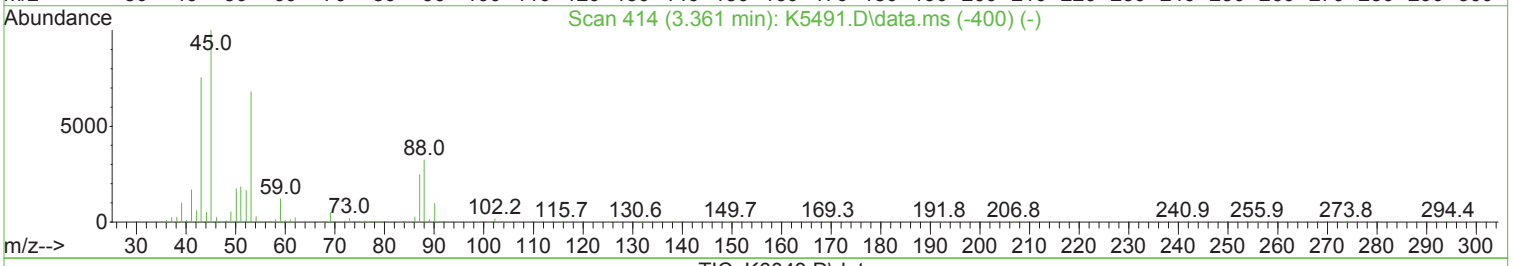
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(29) DIPE

3.367min (+ 0.006) 2.00 ug/L

response 23409

Ion	Exp%	Act%
45.10	100.00	100.00
43.10	75.50	68.83
87.10	25.00	29.86
0.00	0.00	0.00

Manual Integration:

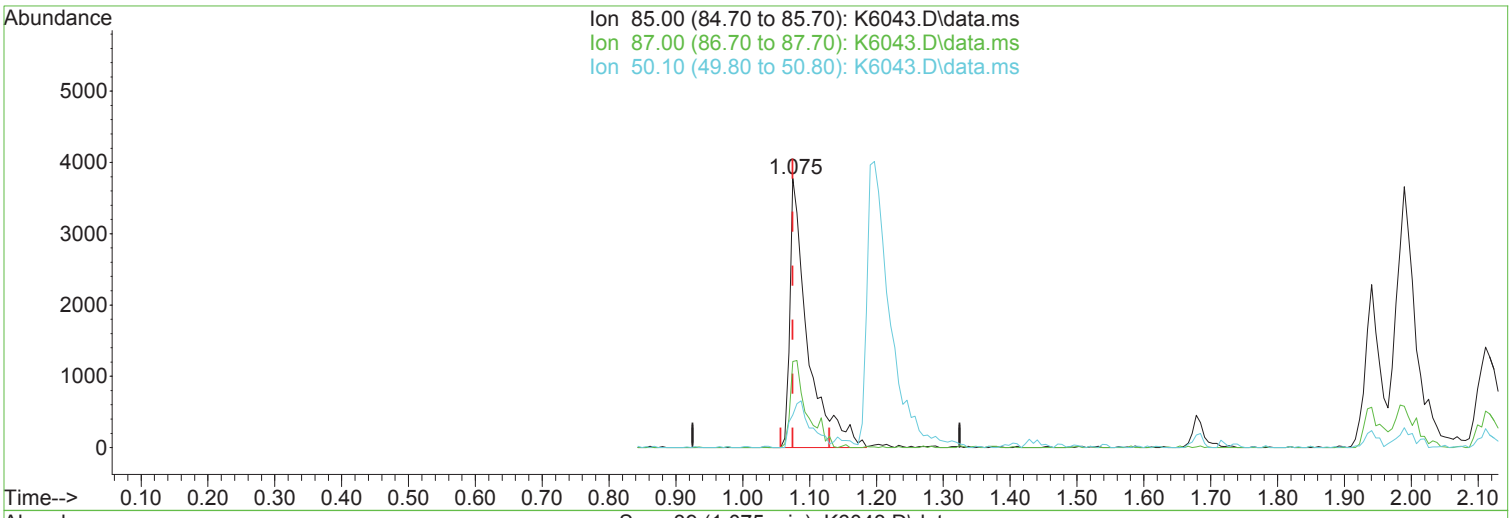
Before

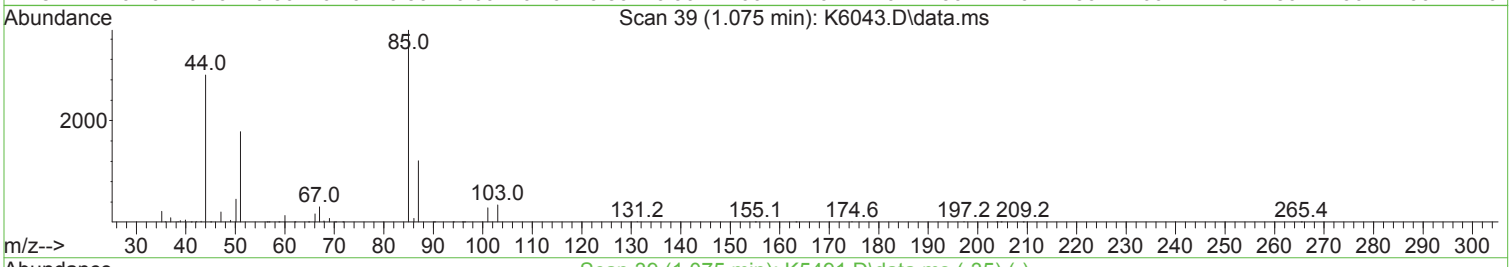
09/19/24

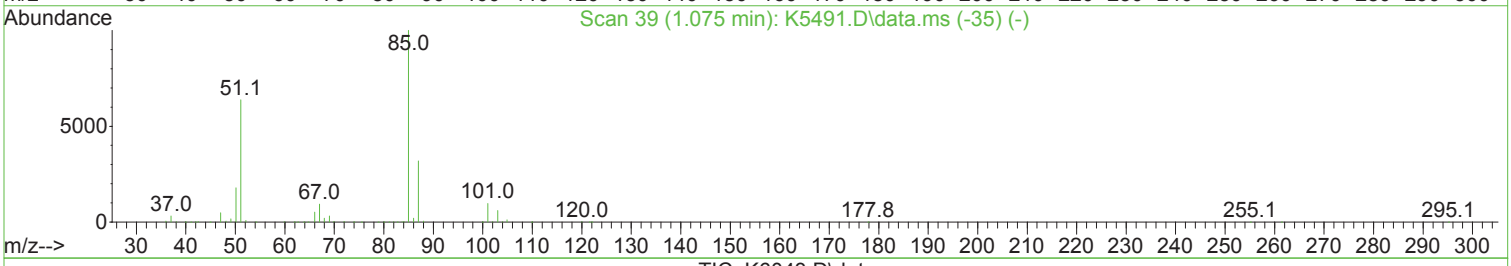
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(3) Dichlorodifluoromethane (P)

1.075min (-0.000) 1.91 ug/L m

response 6980

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.90	32.01
50.10	17.90	12.08
0.00	0.00	0.00

Manual Integration:

After

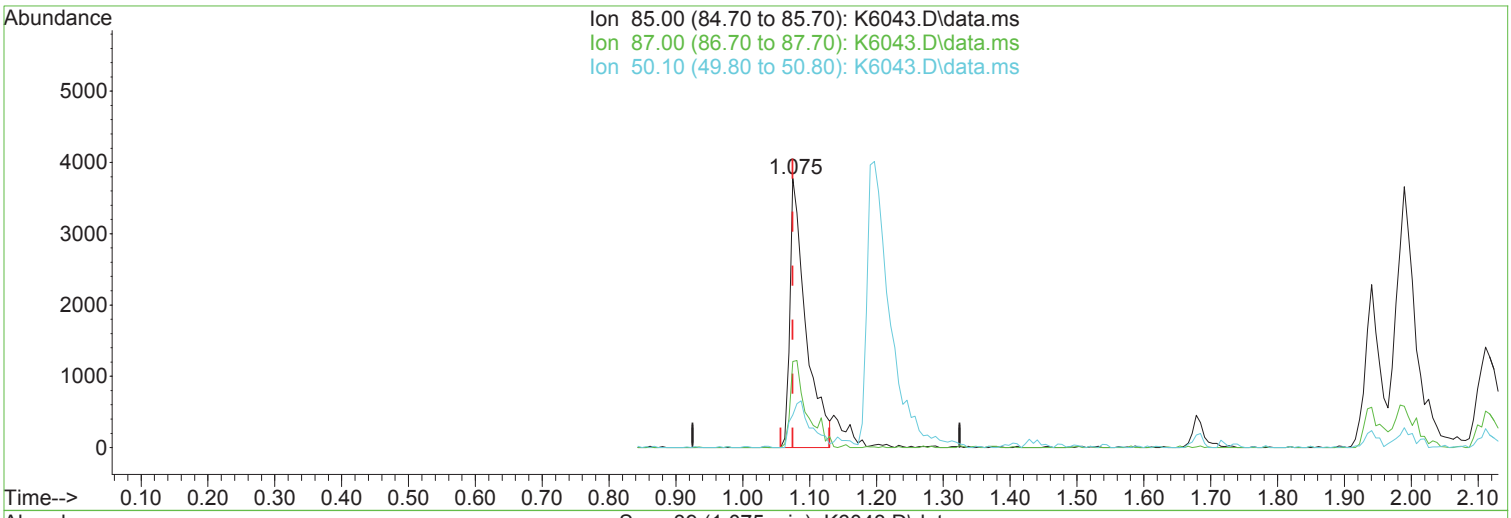
Split Peak.

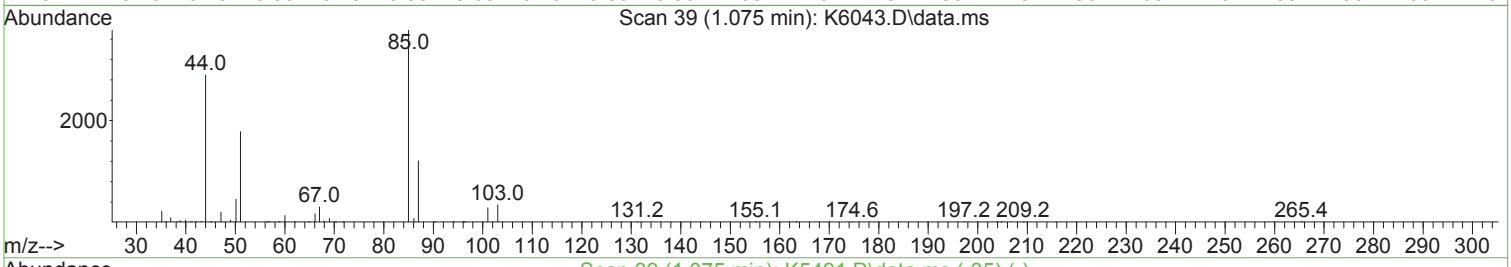
09/19/24

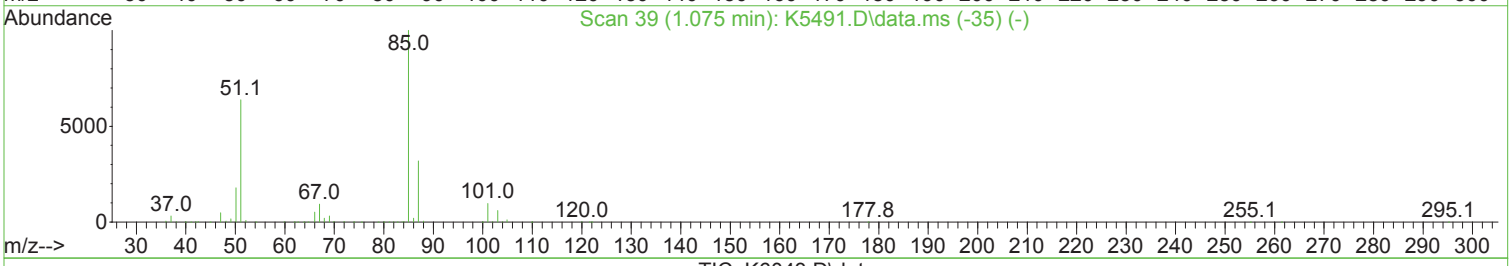
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(3) Dichlorodifluoromethane (P)

1.075min (-0.000) 1.71 ug/L

response 6265

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.90	32.01
50.10	17.90	12.08
0.00	0.00	0.00

Manual Integration:

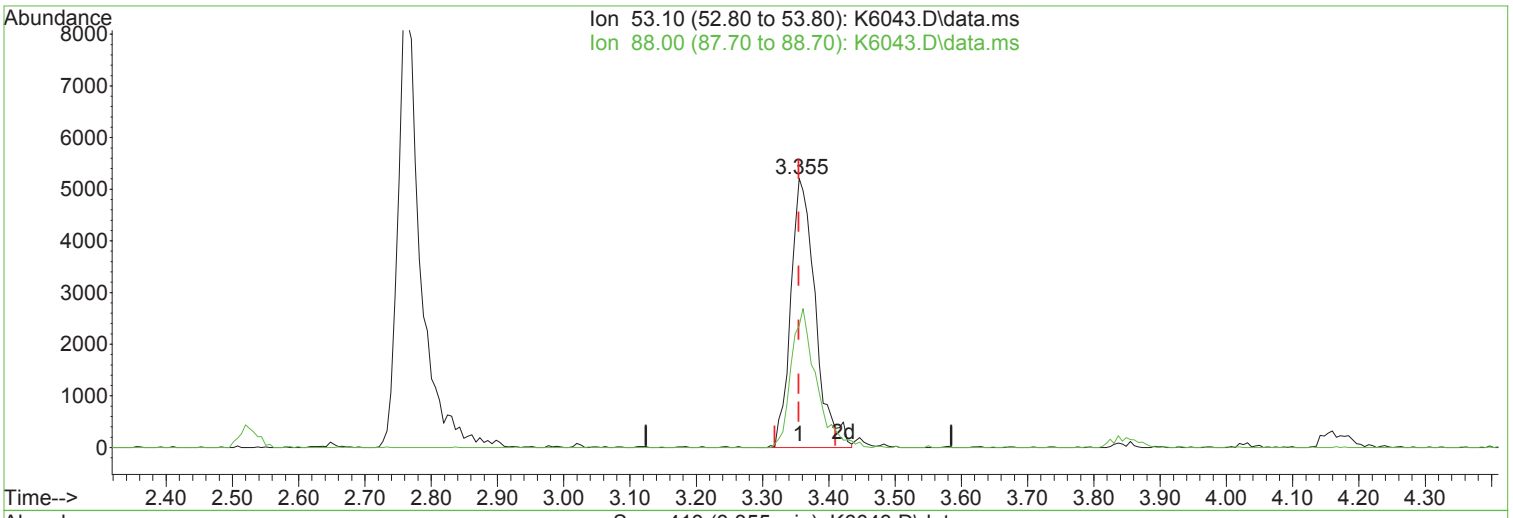
Before

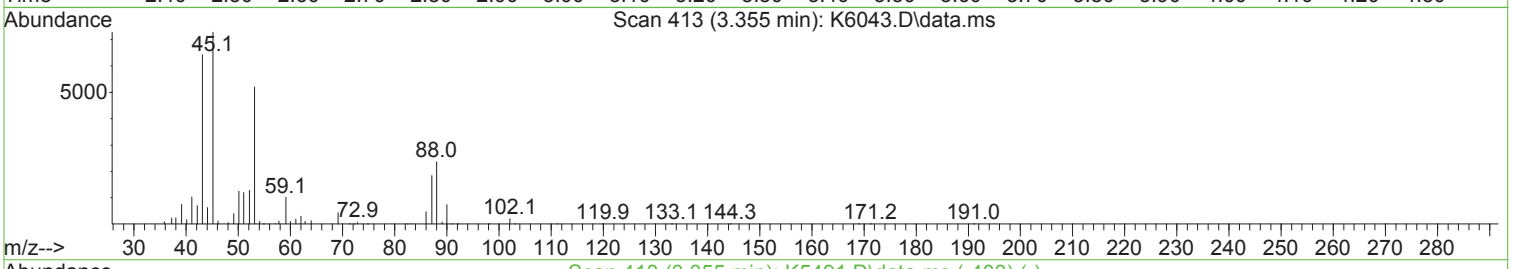
09/19/24

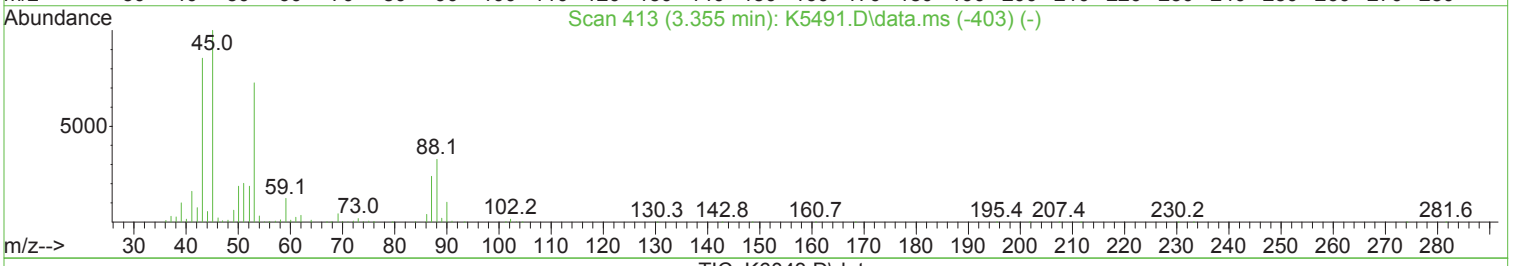
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.355min (-0.000) 2.12 ug/L m

response 13400

Ion	Exp%	Act%
53.10	100.00	100.00
88.00	45.10	45.32
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

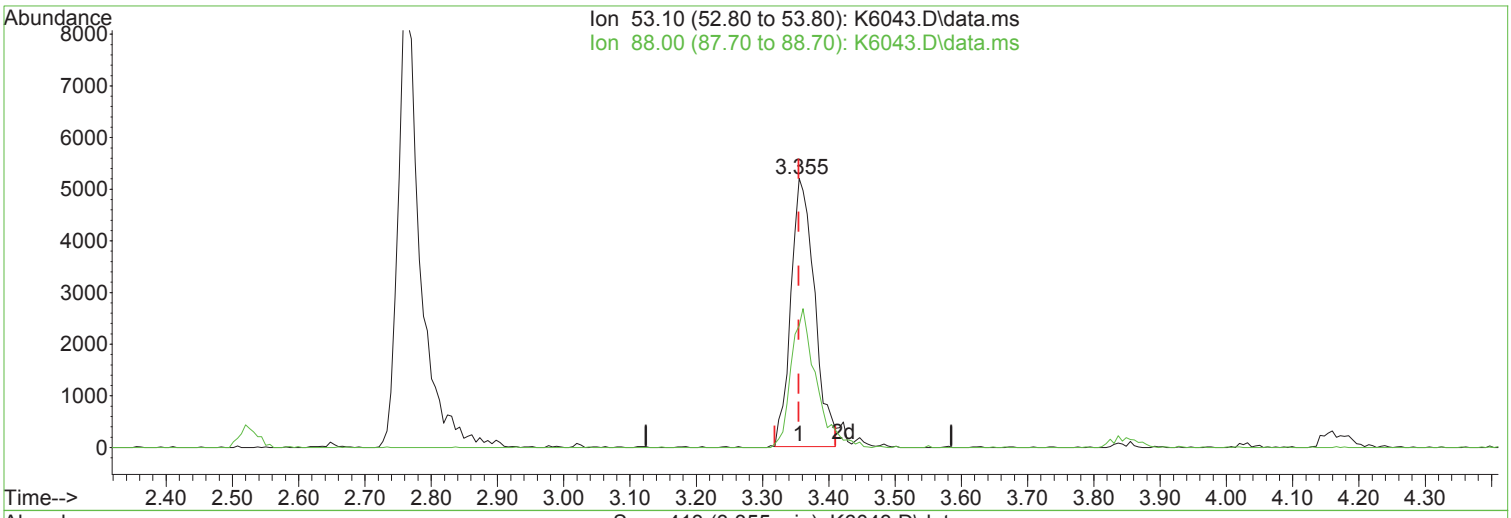
Poor integration.

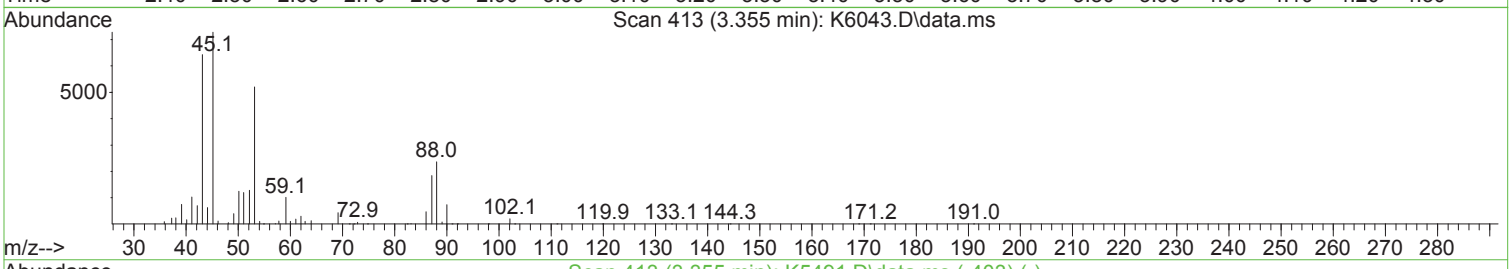
09/19/24

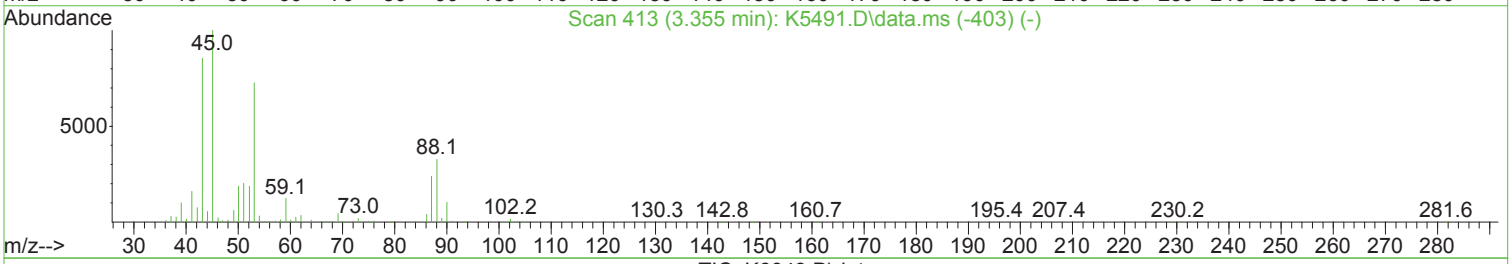
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.355min (-0.000) 2.04 ug/L

response 12894

Ion	Exp%	Act%
53.10	100.00	100.00
88.00	45.10	45.32
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

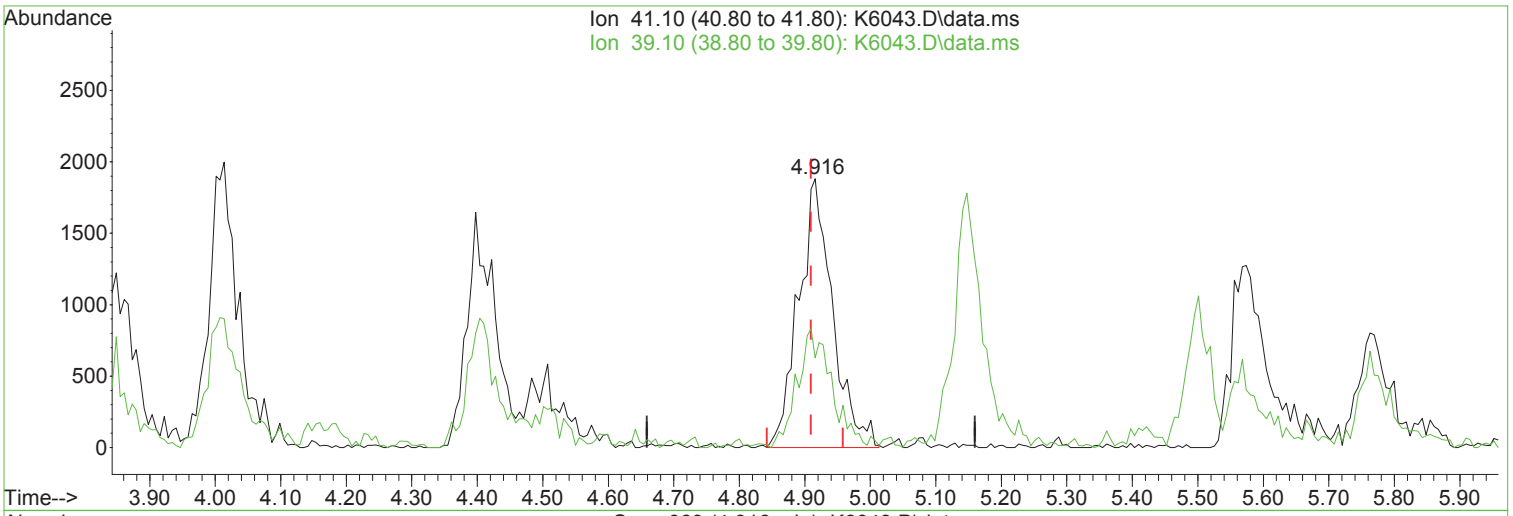
Before

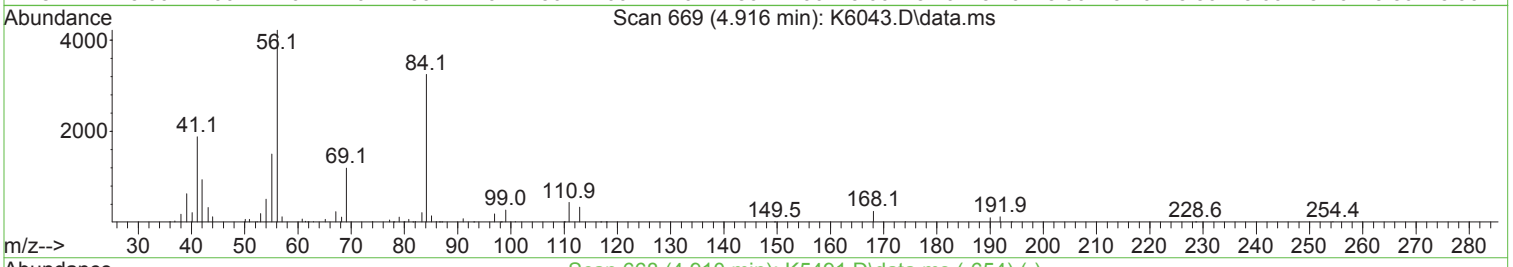
09/19/24

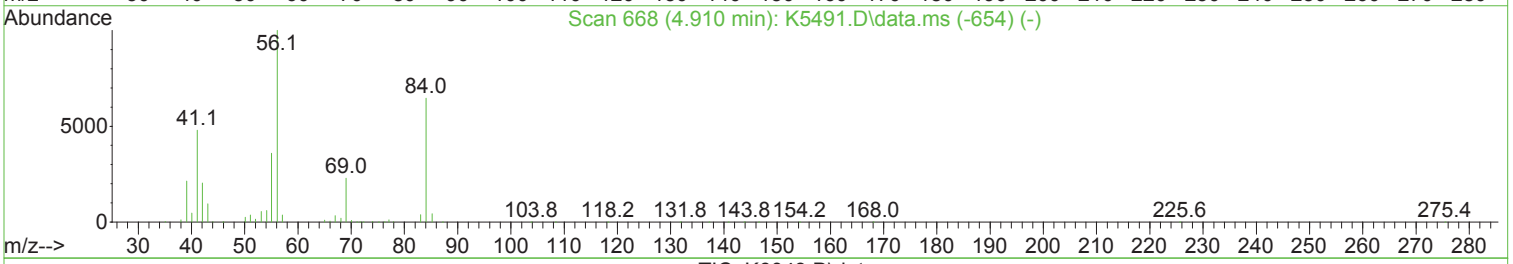
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(43) Cyclohexane (P)

4.916min (+ 0.006) 2.20 ug/L m

response 6756

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	44.80	33.35
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

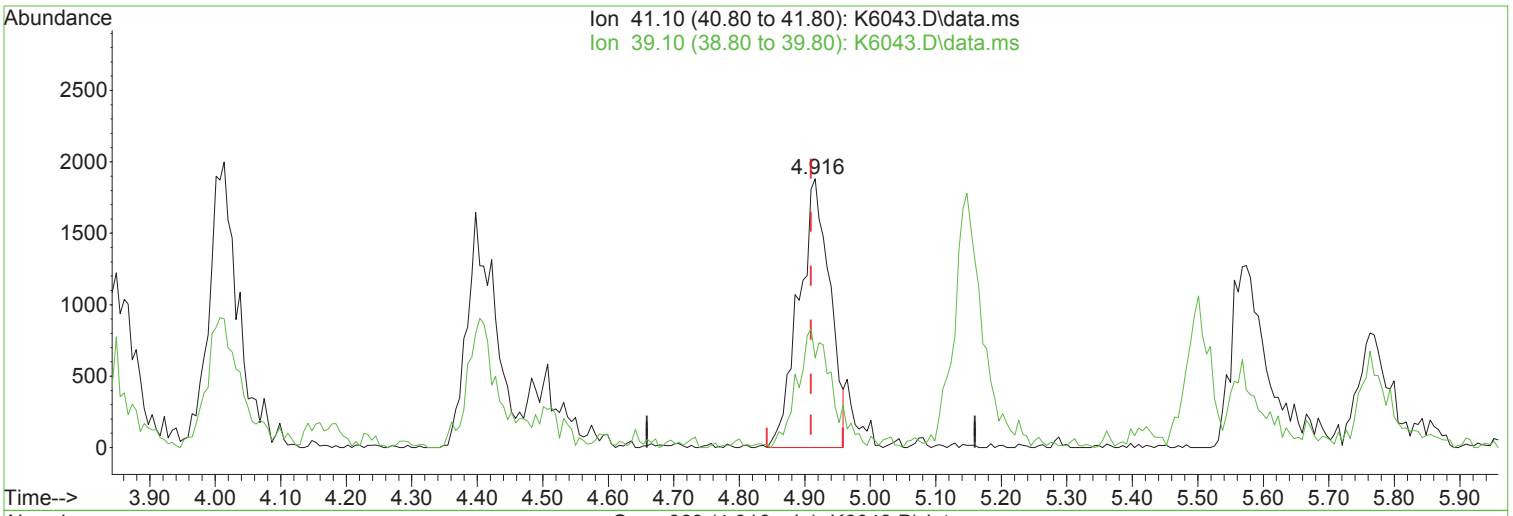
Poor integration.

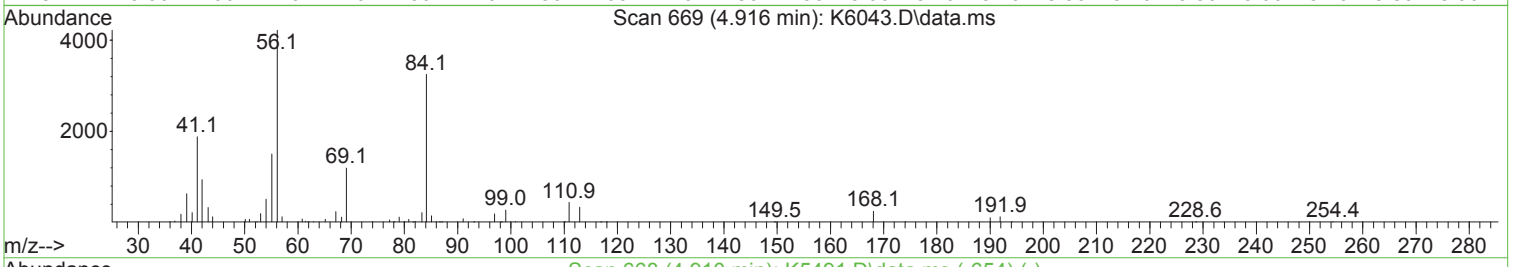
09/19/24

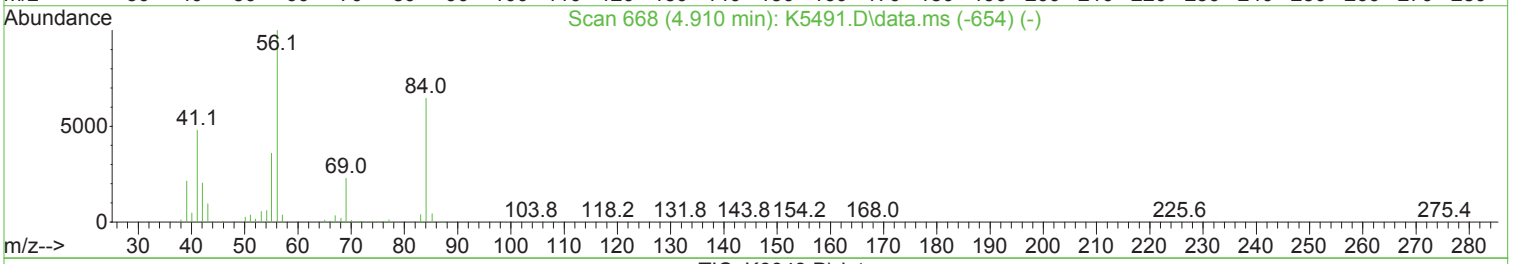
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(43) Cyclohexane (P)

4.916min (+ 0.006) 2.02 ug/L

response 6190

Ion	Exp%	Act%
41.10	100.00	100.00
39.10	44.80	33.35
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

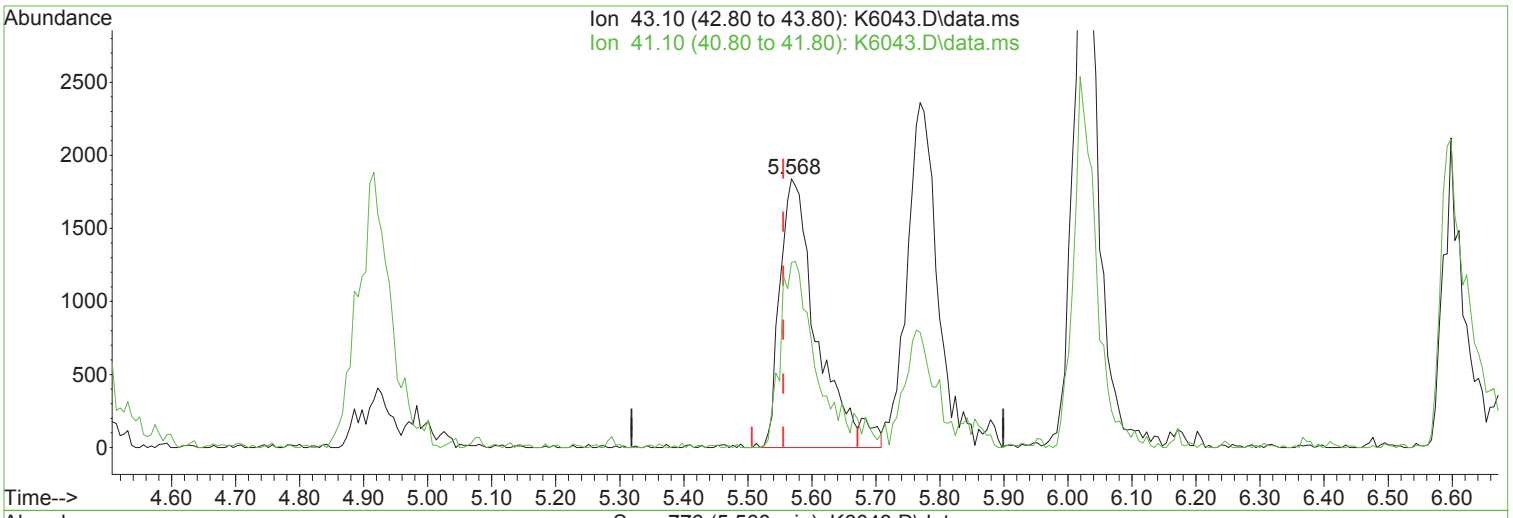
Before

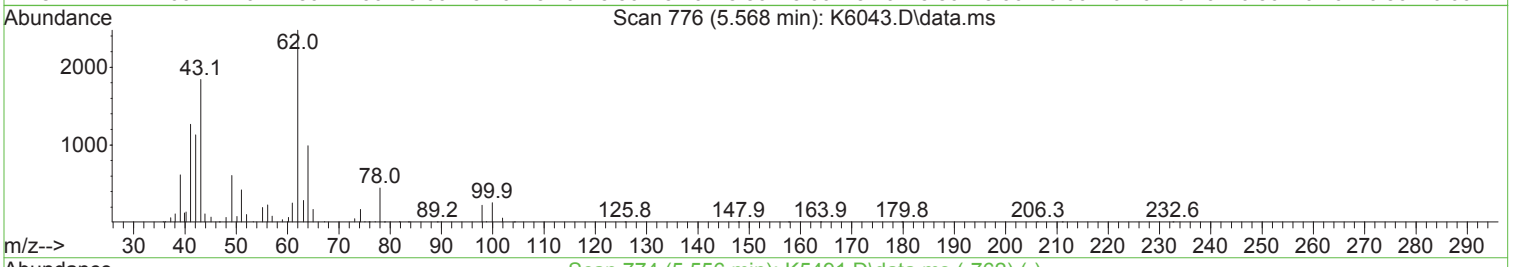
09/19/24

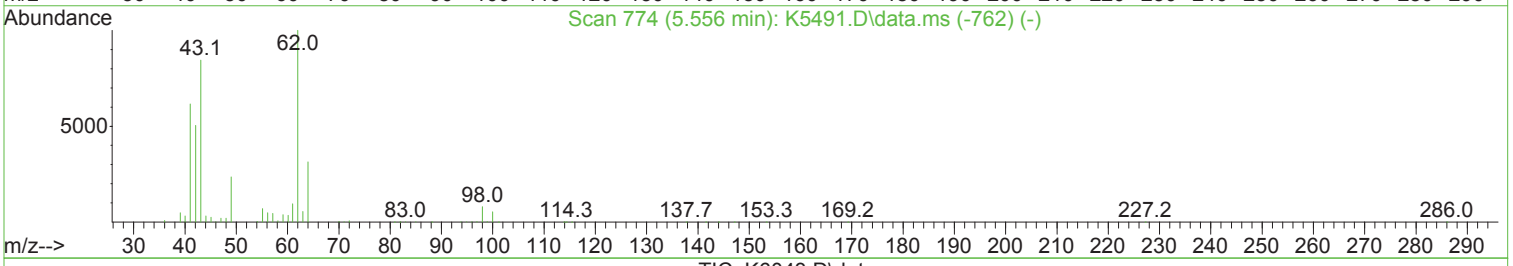
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(50) Iso-Butyl Alcohol

5.568min (+ 0.012) 37.34 ug/L m

response 7396

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	73.00	68.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

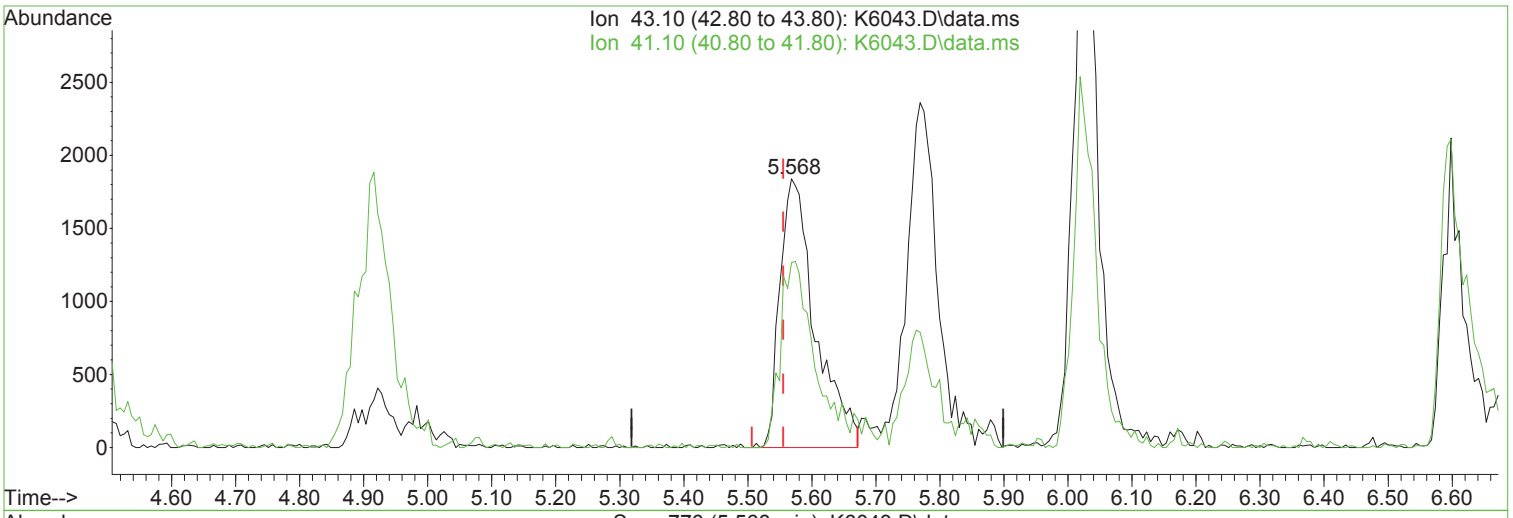
Poor integration.

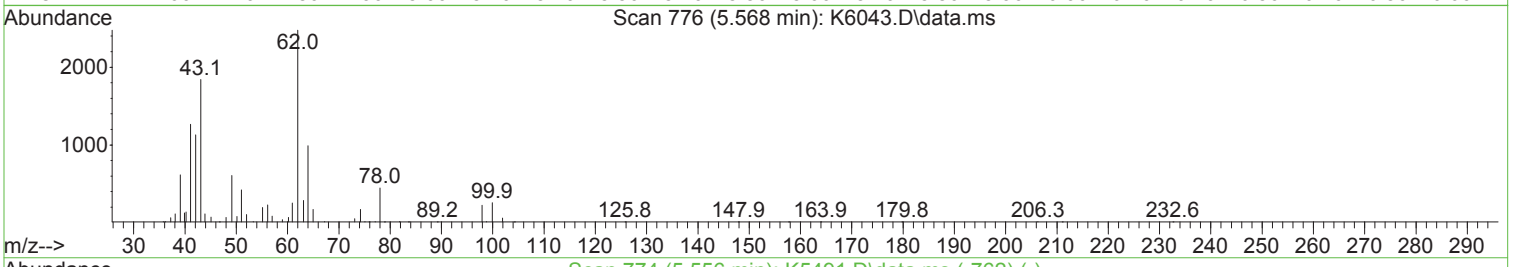
09/19/24

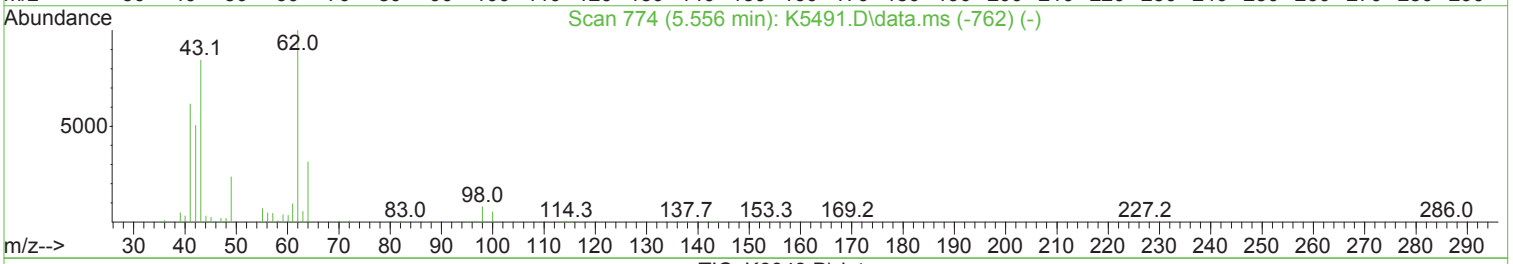
Quantitation Report (Qedit)

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Operator : K.Ruest
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Quant Time: Sep 18 18:56:37 2024
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(50) Iso-Butyl Alcohol

5.568min (+ 0.012) 35.72 ug/L

response 7075

Ion	Exp%	Act%
43.10	100.00	100.00
41.10	73.00	68.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

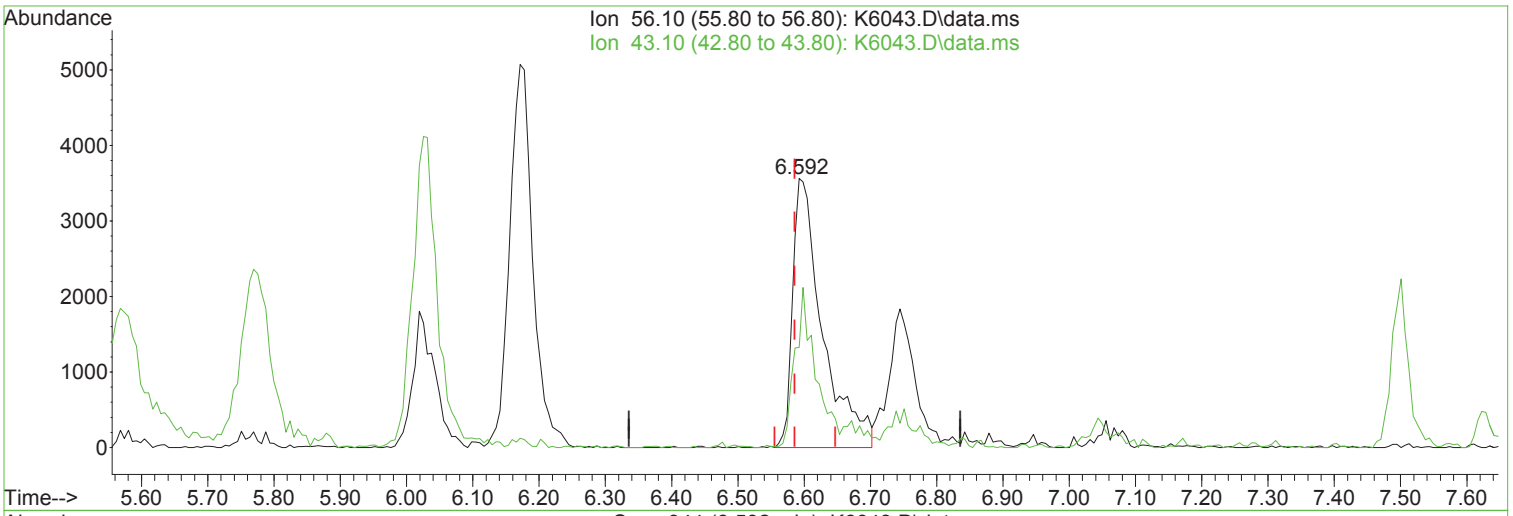
Before

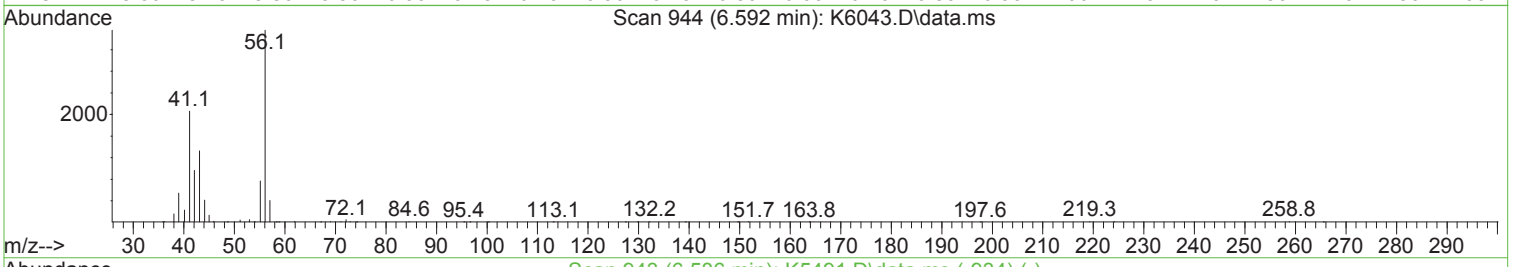
09/19/24

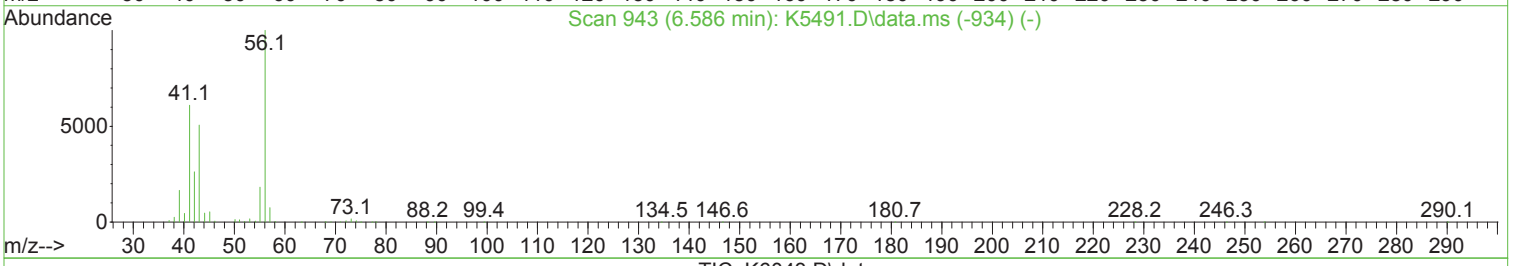
Quantitation Report (Qedit)

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Data File : K6043.D
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(52) 1-Butanol

6.592min (+ 0.006) 83.05 ug/L m

response 11124

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	50.80	37.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

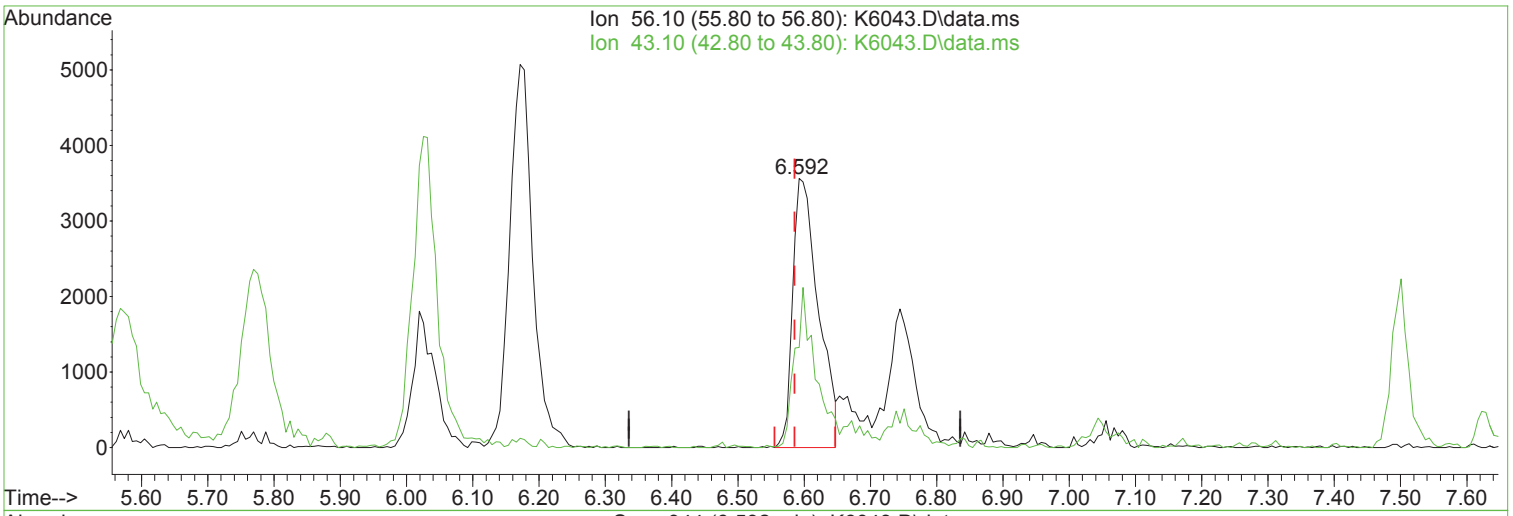
Poor integration.

09/19/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
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ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
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Response via : Initial Calibration



TIC: K6043.D\data.ms

(52) 1-Butanol

6.592min (+ 0.006) 71.20 ug/L

response 9537

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	50.80	37.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

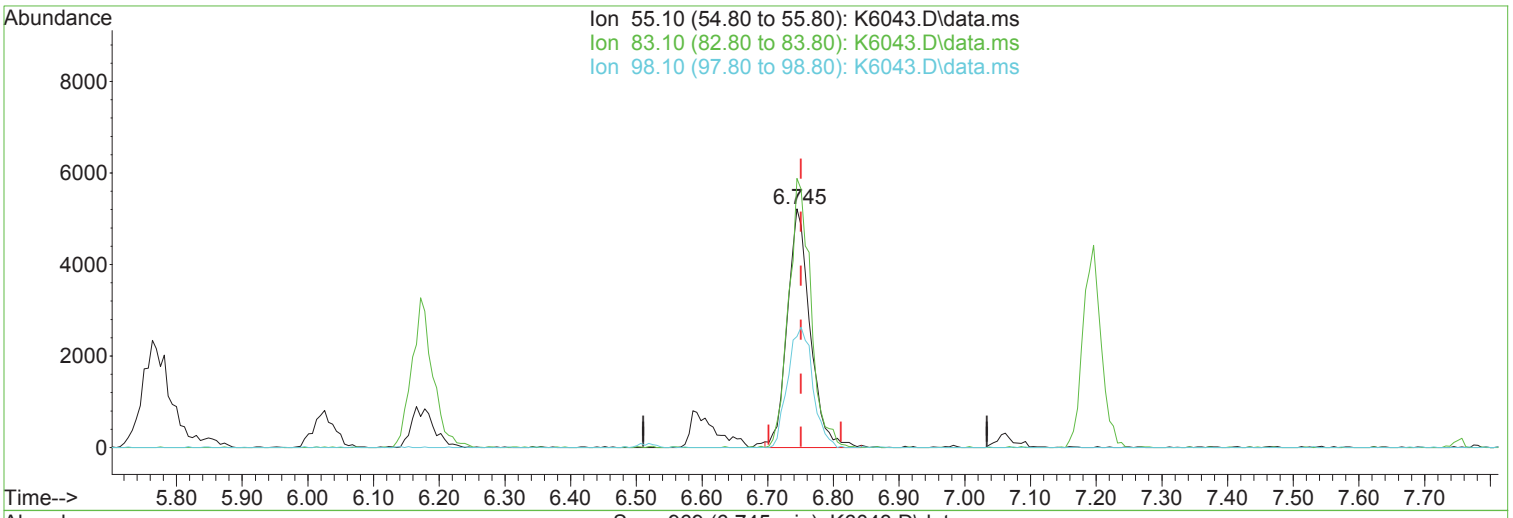
Before

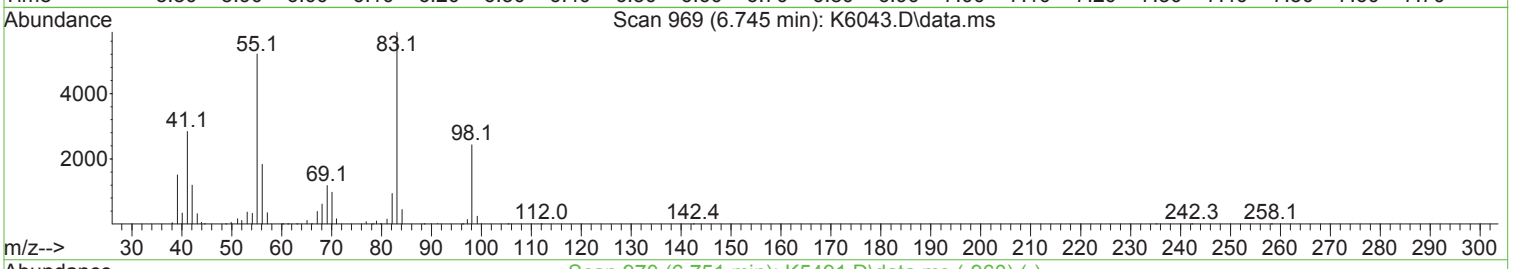
09/19/24

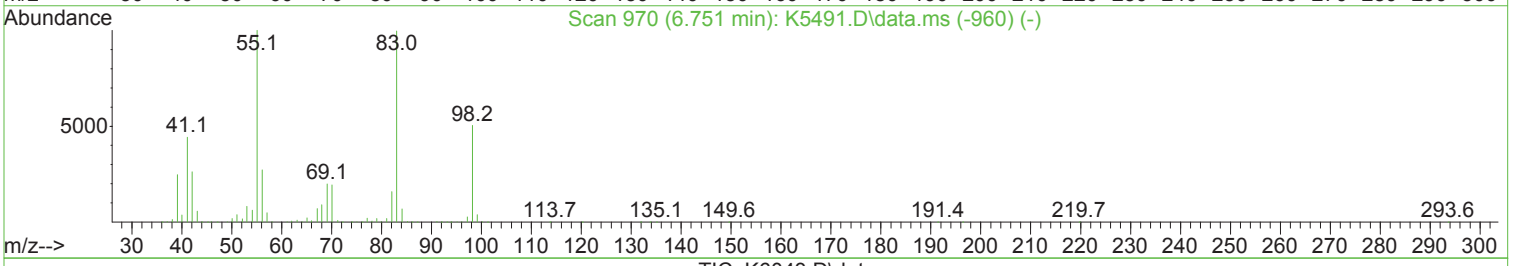
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(54) Methylcyclohexane (P)

6.745min (-0.006) 2.16 ug/L m

response 12549

Ion	Exp%	Act%
55.10	100.00	100.00
83.10	98.90	112.69
98.10	50.00	46.57
0.00	0.00	0.00

Manual Integration:

After

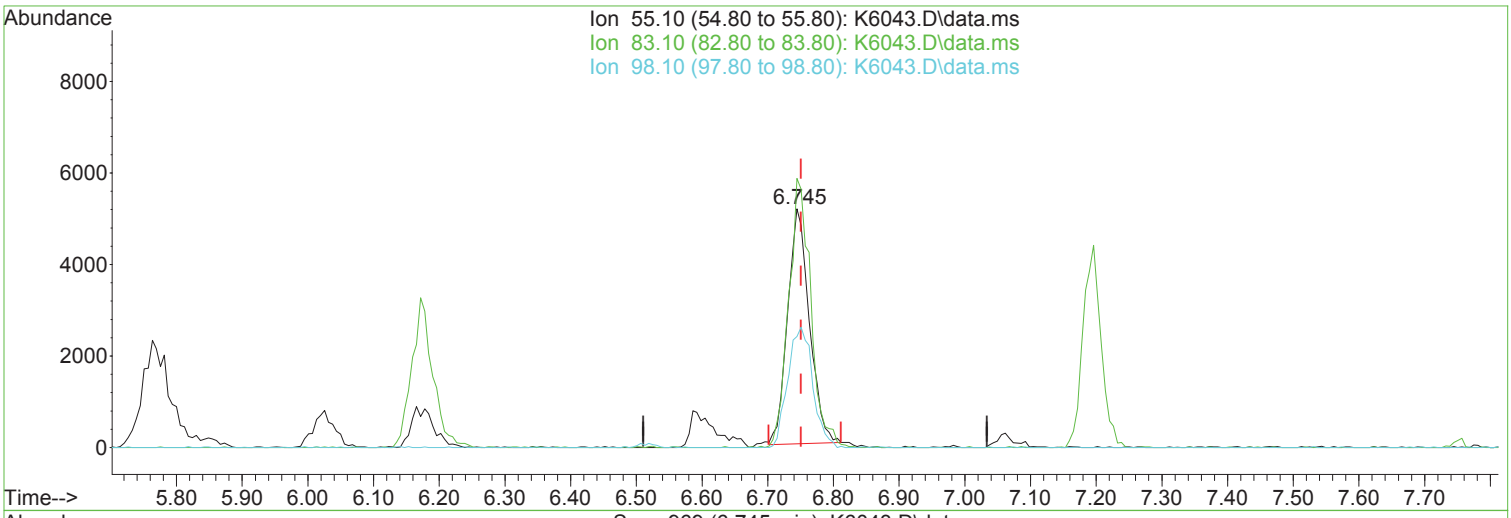
Poor integration.

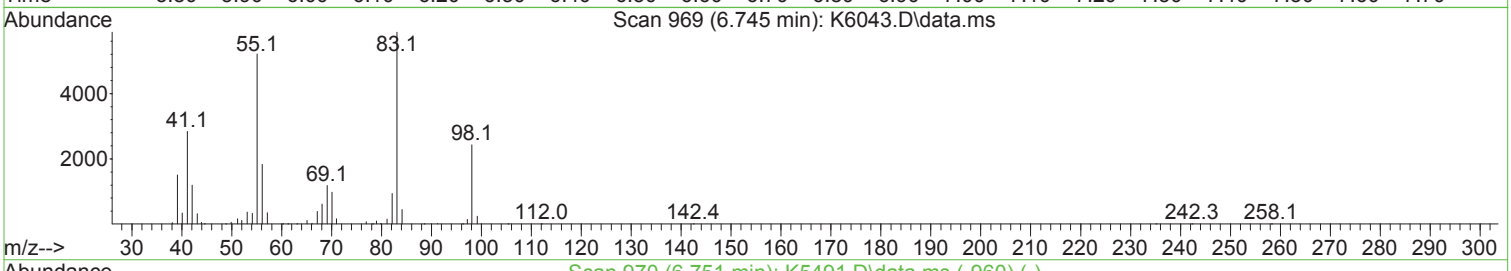
09/19/24

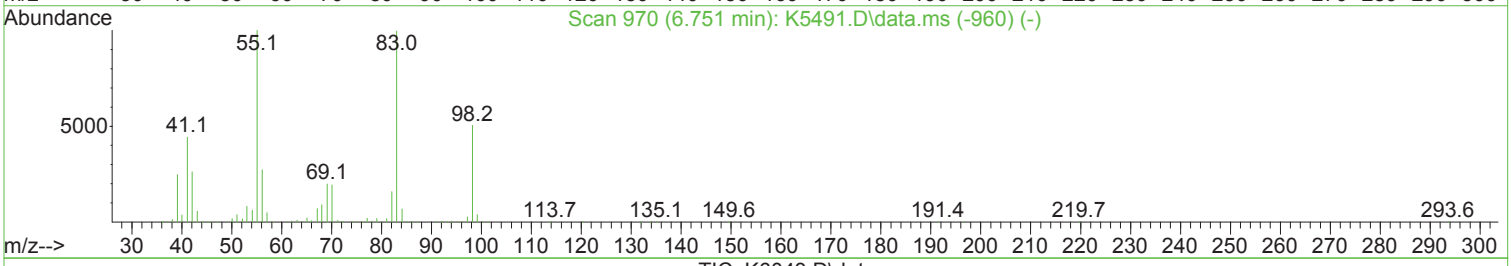
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(54) Methylcyclohexane (P)

6.745min (-0.006) 2.03 ug/L

response 11803

Ion	Exp%	Act%
55.10	100.00	100.00
83.10	98.90	112.69
98.10	50.00	46.57
0.00	0.00	0.00

Manual Integration:

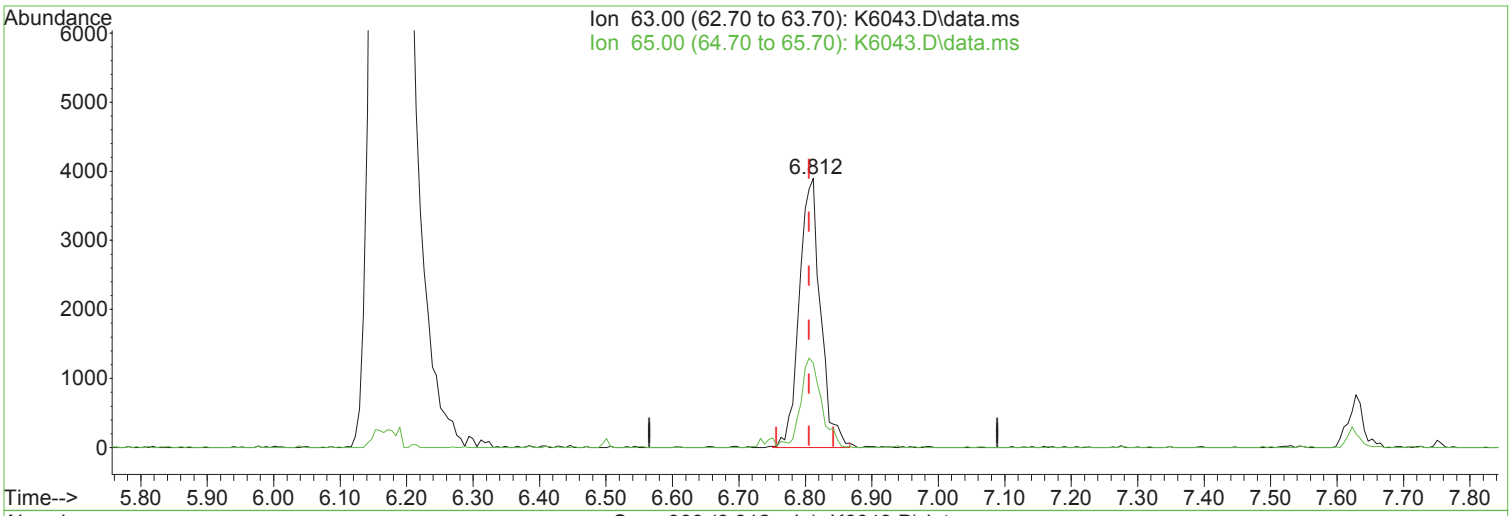
Before

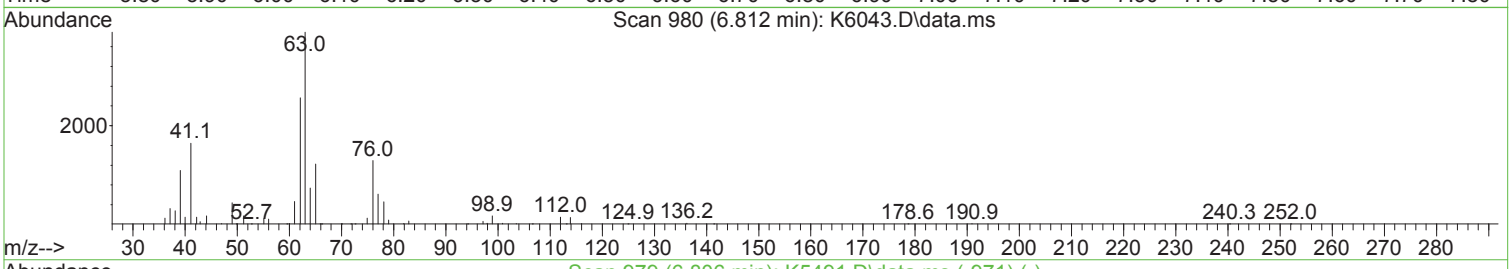
09/19/24

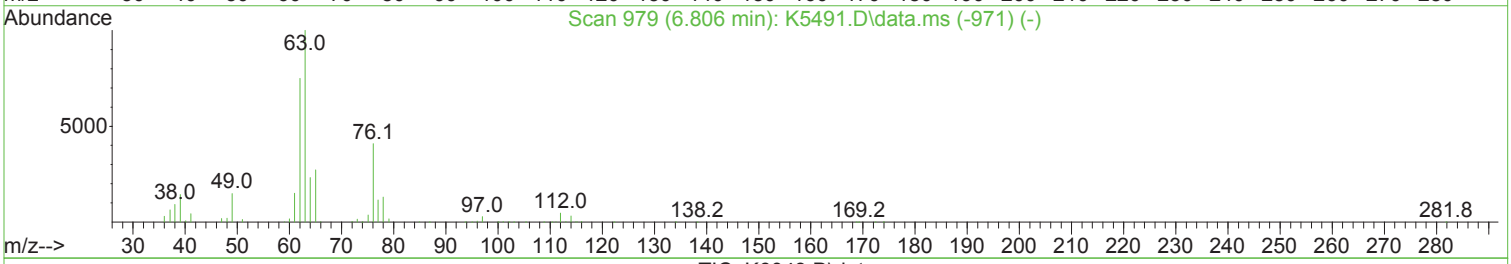
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(55) 1,2-Diclpropane (P)

6.812min (+ 0.006) 2.22 ug/L m

response 8670

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	29.00	31.46
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

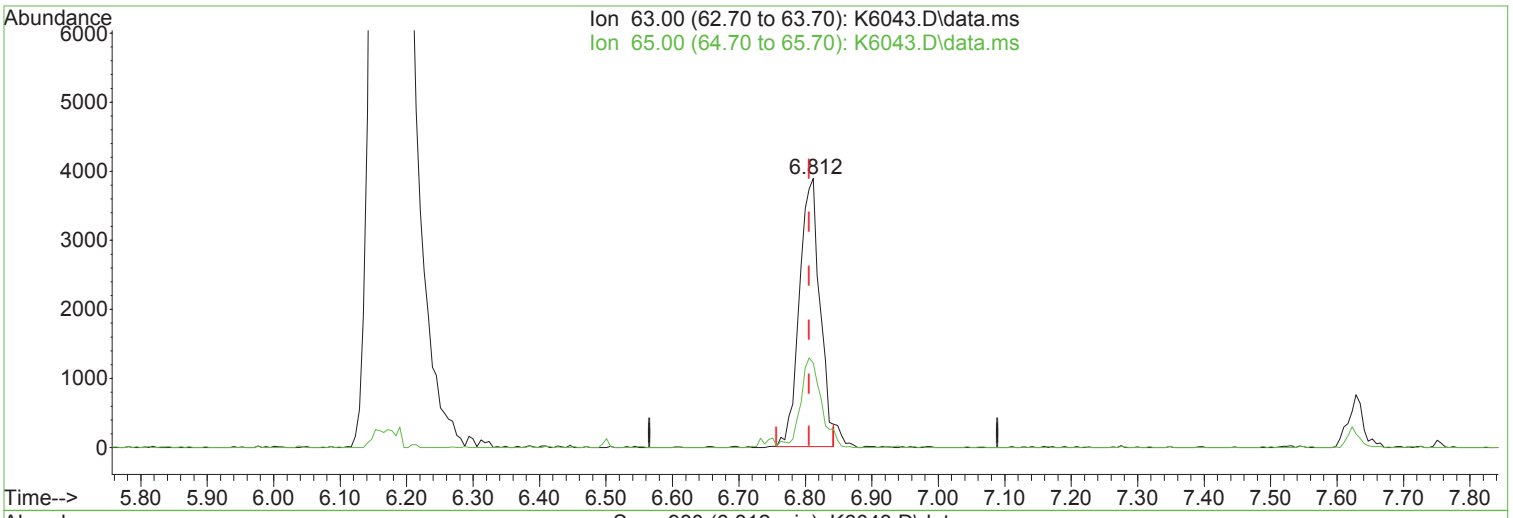
Poor integration.

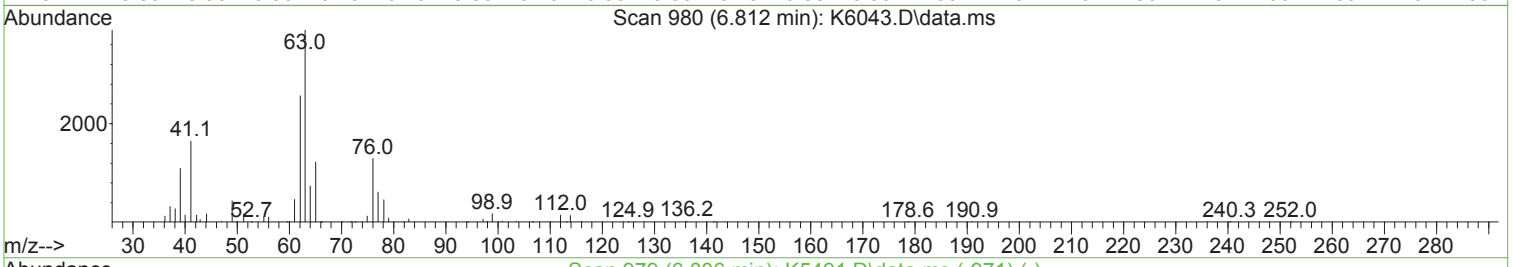
09/19/24

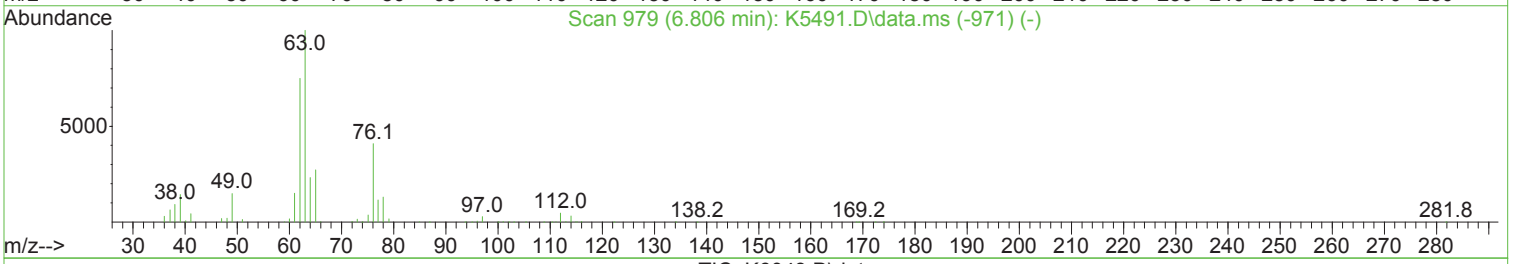
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6043.D\data.ms

(55) 1,2-Diclpropane (P)

6.812min (+ 0.006) 2.14 ug/L

response 8364

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	29.00	31.46
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/19/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	443873	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	668148	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	554976	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	276231	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	40180	9.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 19.88%#			
47) surr1,1,2-dichloroetha...	5.422	65	47435	10.31	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.62%#			
64) SURR3,Toluene-d8	8.049	98	160205	10.59	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.18%#			
69) SURR2,BFB	10.659	95	55297	10.09	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 20.18%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.087	51	8558	1.975	ug/L	97
3) Dichlorodifluoromethane	1.075	85	6980m	1.909	ug/L	
4) Chloromethane	1.197	50	9247	1.985	ug/L	92
5) Vinyl Chloride	1.264	62	8857	2.011	ug/L	92
6) Bromomethane	1.477	94	5649	2.247	ug/L	96
7) Chloroethane	1.544	64	6301	2.235	ug/L	93
8) Freon 21	1.678	67	13645	2.059	ug/L	93
9) Trichlorofluoromethane	1.727	101	11684	2.016	ug/L	99
10) Diethyl Ether	1.935	59	8157	2.142	ug/L	94
11) Freon 123a	1.941	67	8409	2.008	ug/L	98
12) Freon 123	1.989	83	10600	2.086	ug/L	97
13) Acrolein	2.032	56	11382	9.696	ug/L	99
14) 1,1-Diclethene	2.111	96	7542	2.087	ug/L #	78
15) Freon 113	2.111	101	7671	2.150	ug/L	89
16) Acetone	2.160	43	4139	2.416	ug/L	96
17) 2-Propanol	2.282	45	11722	38.629	ug/L	96
18) Iodomethane	2.227	142	10629	1.887	ug/L	86
19) Carbon Disulfide	2.282	76	17155	1.938	ug/L	98
20) Acetonitrile/Allyl Chl...	2.410	41	15735	12.393	ug/L	95
21) Methyl Acetate	2.441	43	7212m	2.144	ug/L	
22) Methylene Chloride	2.520	84	8700	2.108	ug/L #	84
23) TBA	2.654	59	21134	37.734	ug/L	98
24) Acrylonitrile	2.764	53	20062m	10.119	ug/L	
25) Methyl-t-Butyl Ether	2.800	73	22408	2.000	ug/L	97
26) trans-1,2-Dichloroethene	2.794	96	7946	2.049	ug/L #	77
27) 1,1-Diclethane	3.239	63	14007	1.994	ug/L	95
28) Vinyl Acetate	3.343	86	1731	1.953	ug/L #	77
29) DIPE	3.367	45	24075m	2.059	ug/L	
30) 2-Chloro-1,3-Butadiene	3.355	53	13400m	2.124	ug/L	
31) ETBE	3.849	59	26264	2.013	ug/L	98
32) 2,2-Dichloropropane	4.013	77	10157	2.074	ug/L	91
33) cis-1,2-Dichloroethene	4.013	96	8059	1.954	ug/L	95
34) 2-Butanone	4.087	43	4248	1.950	ug/L	79
35) Propionitrile	4.166	54	8132	9.745	ug/L	100
36) Bromochloromethane	4.385	130	6046	2.028	ug/L	90
37) Methacrylonitrile	4.416	67	3843	2.006	ug/L #	52
38) Tetrahydrofuran	4.501	42	2762	2.026	ug/L	72
39) Chloroform	4.562	83	12863	2.015	ug/L	92
40) 1,1,1-Trichloroethane	4.830	97	10938	2.111	ug/L	89

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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.769	73	21491	2.054	ug/L		92
43) Cyclohexane	4.916	41	6756m	2.201	ug/L		
45) Carbontetrachloride	5.141	117	10322	2.086	ug/L		85
46) 1,1-Dichloropropene	5.160	75	10361	2.153	ug/L		96
48) Benzene	5.495	78	30202	2.109	ug/L		96
49) 1,2-Dichloroethane	5.556	62	11745	2.123	ug/L		90
50) Iso-Butyl Alcohol	5.568	43	7396m	37.338	ug/L		
51) n-Heptane	6.025	43	10763	2.105	ug/L		89
52) 1-Butanol	6.592	56	11124m	83.046	ug/L		
53) Trichloroethene	6.507	130	9503	2.115	ug/L		91
54) Methylcyclohexane	6.745	55	12549m	2.157	ug/L		
55) 1,2-Diclpropane	6.812	63	8670m	2.219	ug/L		
56) Dibromomethane	6.952	93	4819	1.979	ug/L		90
57) 1,4-Dioxane	7.043	88	2453	40.483	ug/L		92
58) Methyl Methacrylate	7.062	69	5527	1.885	ug/L	#	81
59) Bromodichloromethane	7.196	83	8520	1.907	ug/L		97
60) 2-Nitropropane	7.495	41	3451	3.461	ug/L		85
61) 2-Chloroethylvinyl Ether	7.629	63	1209	2.067	ug/L		91
62) cis-1,3-Dichloropropene	7.751	75	9809	1.804	ug/L		99
63) 4-Methyl-2-pentanone	7.976	43	7775	1.968	ug/L		96
65) Toluene	8.122	91	33580	2.092	ug/L		94
66) trans-1,3-Dichloropropene	8.409	75	9359	1.894	ug/L		94
67) Ethyl Methacrylate	8.561	69	9733	1.888	ug/L		94
68) 1,1,2-Trichloroethane	8.604	97	8138	2.184	ug/L		88
71) Tetrachloroethene	8.726	164	7209	2.131	ug/L		92
72) 2-Hexanone	8.915	43	5302	1.872	ug/L		86
73) 1,3-Dichloropropane	8.769	76	12682	2.189	ug/L		91
74) Dibromochloromethane	9.000	129	6810	1.787	ug/L		86
75) N-Butyl Acetate	9.073	43	12653	2.065	ug/L		93
76) 1,2-Dibromoethane	9.092	107	7931	2.054	ug/L		94
77) 3-Chlorobenzotrifluoride	9.628	180	12994	2.150	ug/L		88
78) Chlorobenzene	9.598	112	23795	2.154	ug/L		96
79) 4-Chlorobenzotrifluoride	9.683	180	11963	2.247	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.689	131	7943	2.040	ug/L		96
81) Ethylbenzene	9.726	106	12170	2.147	ug/L		96
82) (m+p)Xylene	9.836	106	30572	4.372	ug/L	#	87
83) o-Xylene	10.201	106	14657	2.132	ug/L		94
84) Styrene	10.214	104	23189	2.053	ug/L		96
85) Bromoform	10.366	173	3754	1.676	ug/L		94
86) 2-Chlorobenzotrifluoride	10.451	180	12098	2.130	ug/L		97
87) Isopropylbenzene	10.537	105	36038	2.189	ug/L		96
88) Cyclohexanone	10.604	55	40170	41.818	ug/L		90
89) trans-1,4-Dichloro-2-B...	10.860	53	2577	1.817	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.811	83	10218	2.142	ug/L		95
92) Bromobenzene	10.781	156	9619	2.177	ug/L		92
93) 1,2,3-Trichloropropane	10.835	110	3523	2.105	ug/L		95
94) n-Propylbenzene	10.896	91	42004	2.208	ug/L		97
95) 2-Chlorotoluene	10.957	91	25302	2.241	ug/L		98
96) 3-Chlorotoluene	11.012	91	26249	2.240	ug/L		94
97) 4-Chlorotoluene	11.049	91	29578	2.234	ug/L		97
98) 1,3,5-Trimethylbenzene	11.055	105	31597	2.188	ug/L		97
99) tert-Butylbenzene	11.323	119	27916	2.178	ug/L		95
100) 1,2,4-Trimethylbenzene	11.366	105	30863	2.157	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.433	214	9117	2.247	ug/L		96
102) sec-Butylbenzene	11.506	105	39865	2.205	ug/L		98
103) p-Isopropyltoluene	11.634	119	34466	2.221	ug/L		98

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

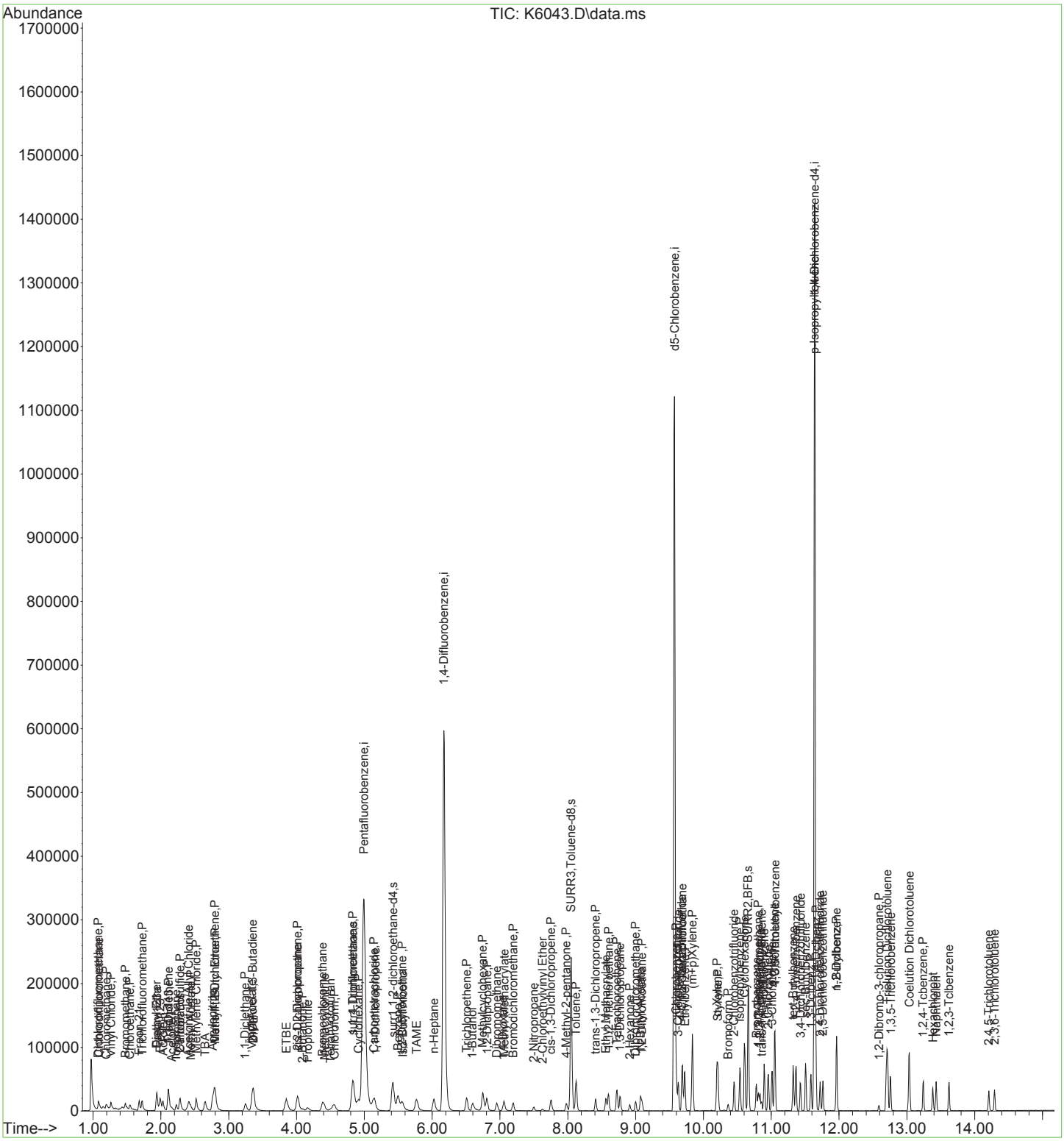
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	19133	2.233	ug/L	99
105) 1,4-Dclbenz	11.658	146	19476	2.272	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.719	214	7730	2.158	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.762	214	9047	2.256	ug/L	95
108) n-Butylbenzene	11.963	91	26367	2.030	ug/L	97
109) 1,2-Dclbenz	11.963	146	18435	2.214	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.591	157	1876	1.768	ug/L	91
111) Trielution Dichlorotol...	12.707	125	49404	6.345	ug/L	97
112) 1,3,5-Trichlorobenzene	12.762	180	13228	2.199	ug/L	91
113) Coelution Dichlorotoluene	13.036	125	33703	4.206	ug/L	95
114) 1,2,4-Tcbenzene	13.237	180	11571	2.046	ug/L	89
115) Hexachlorobt	13.384	225	4951	2.100	ug/L	90
116) Naphthalen	13.432	128	27965	1.848	ug/L	98
117) 1,2,3-Tclbenzene	13.621	180	10568	1.986	ug/L	95
118) 2,4,5-Trichlorotoluene	14.207	159	6756	1.739	ug/L	96
119) 2,3,6-Trichlorotoluene	14.292	159	6439	1.865	ug/L	98

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

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6043.D
Acq On : 18 Sep 2024 12:28 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

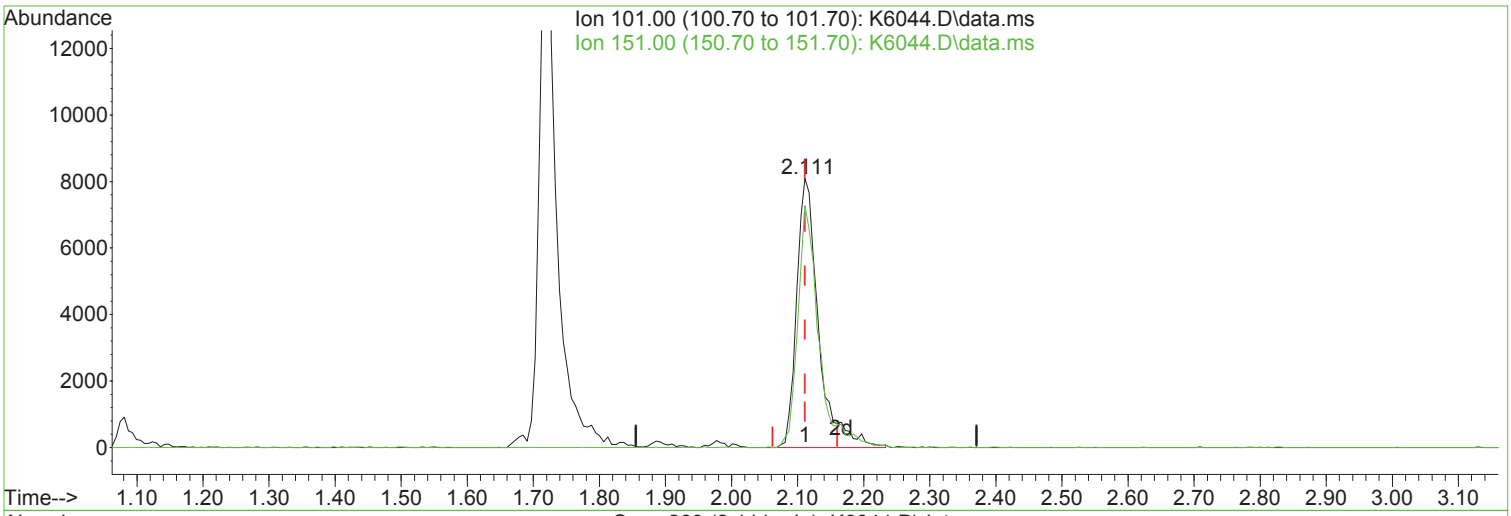
Quant Time: Sep 18 18:56:37 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

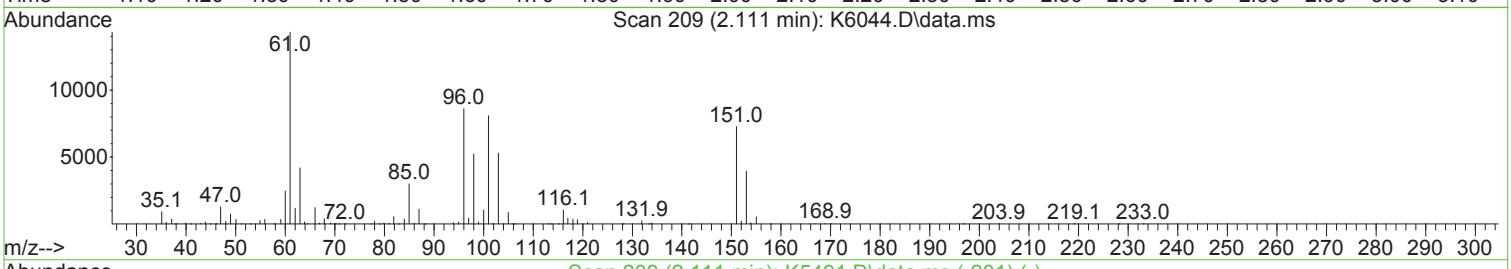


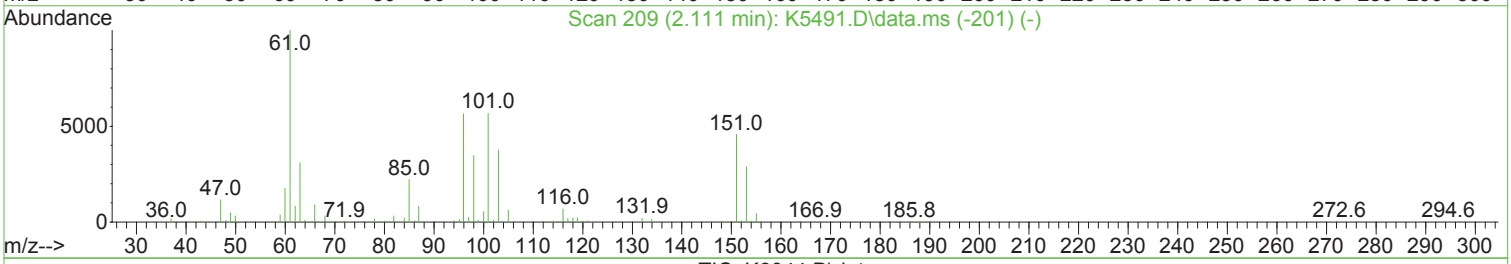
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(15) Freon 113 (P)

2.111min (-0.000) 5.26 ug/L m

response 18704

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	80.50	89.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

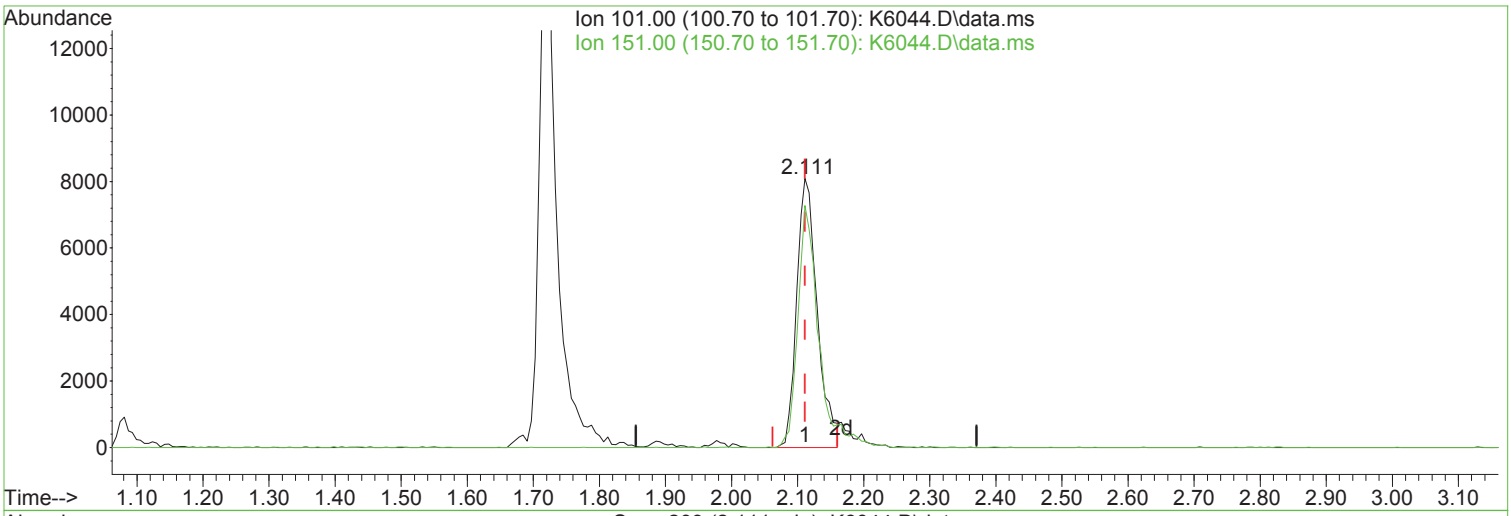
Poor integration.

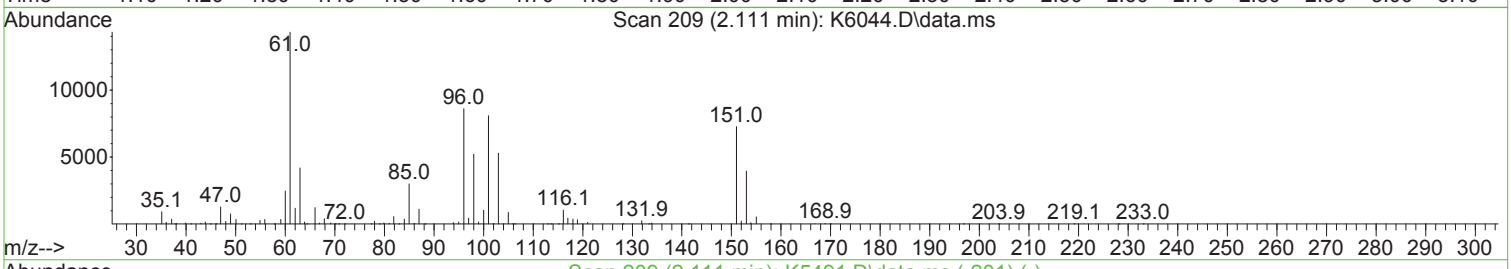
09/19/24

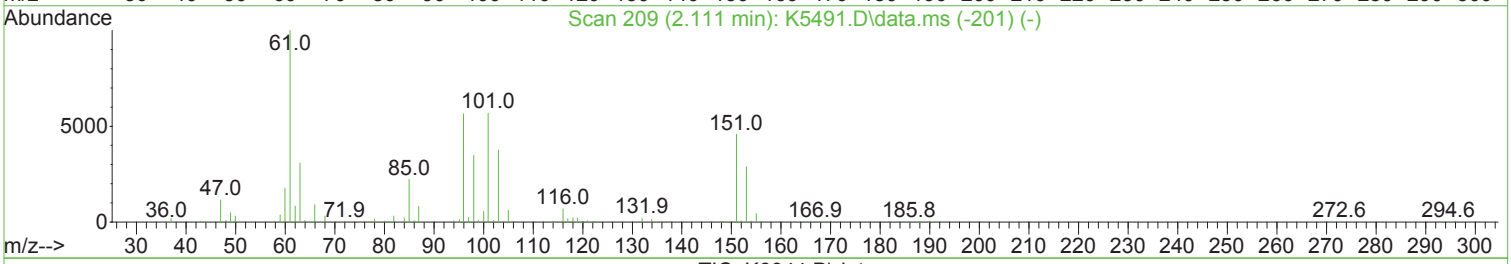
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(15) Freon 113 (P)

2.111min (-0.000) 4.92 ug/L

response 17491

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	80.50	89.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

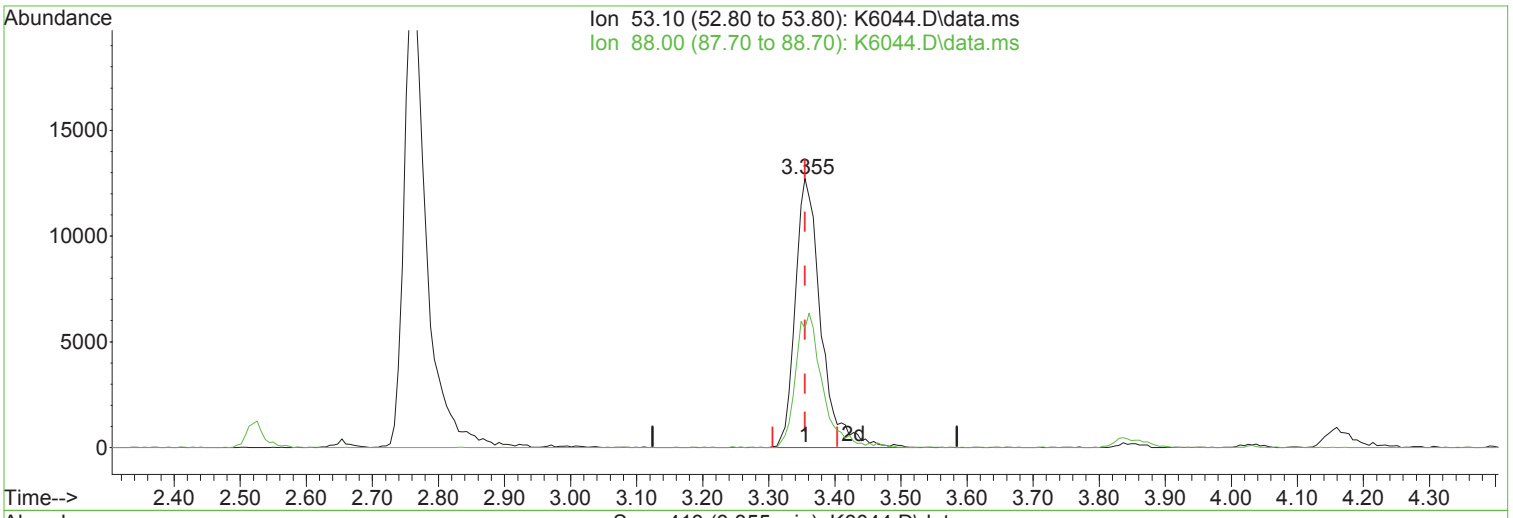
Before

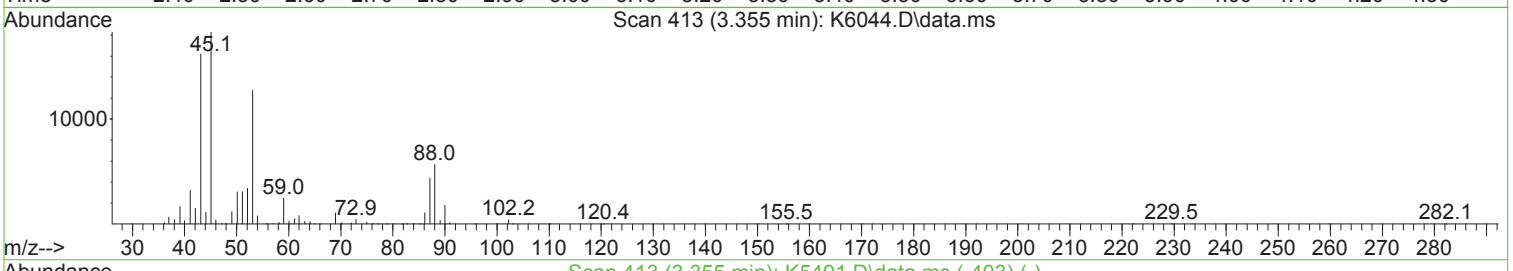
09/19/24

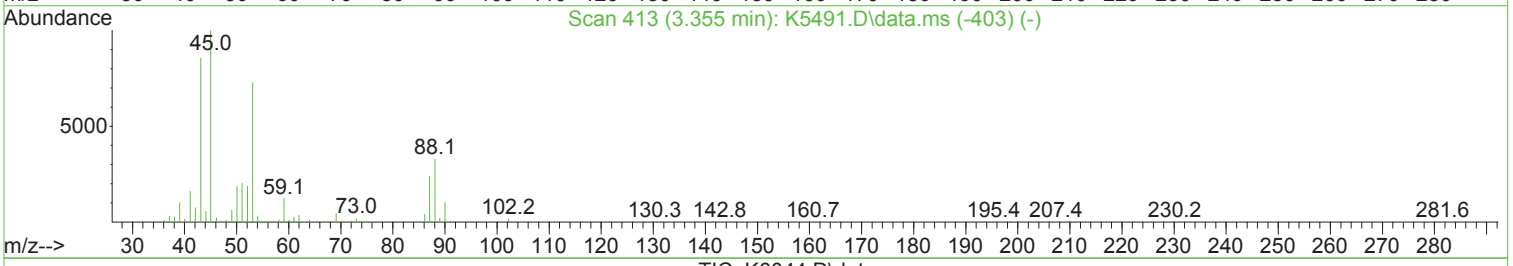
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.355min (-0.000) 5.47 ug/L m

response 34390

Ion	Exp%	Act%
53.10	100.00	100.00
88.00	45.10	44.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

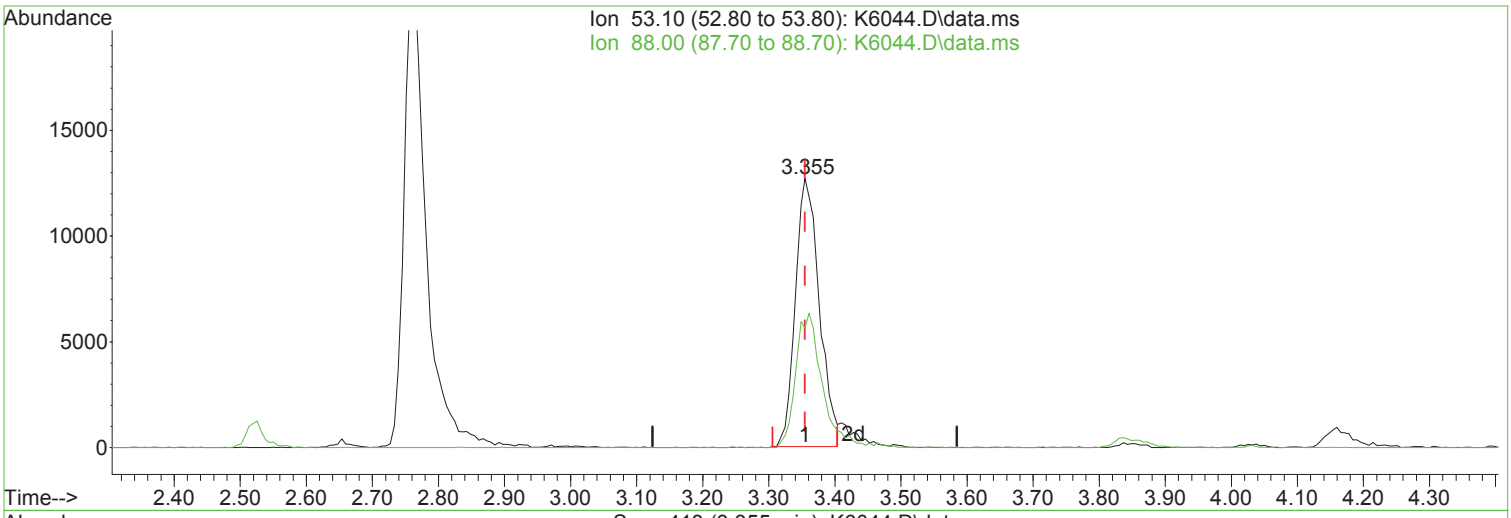
Poor integration.

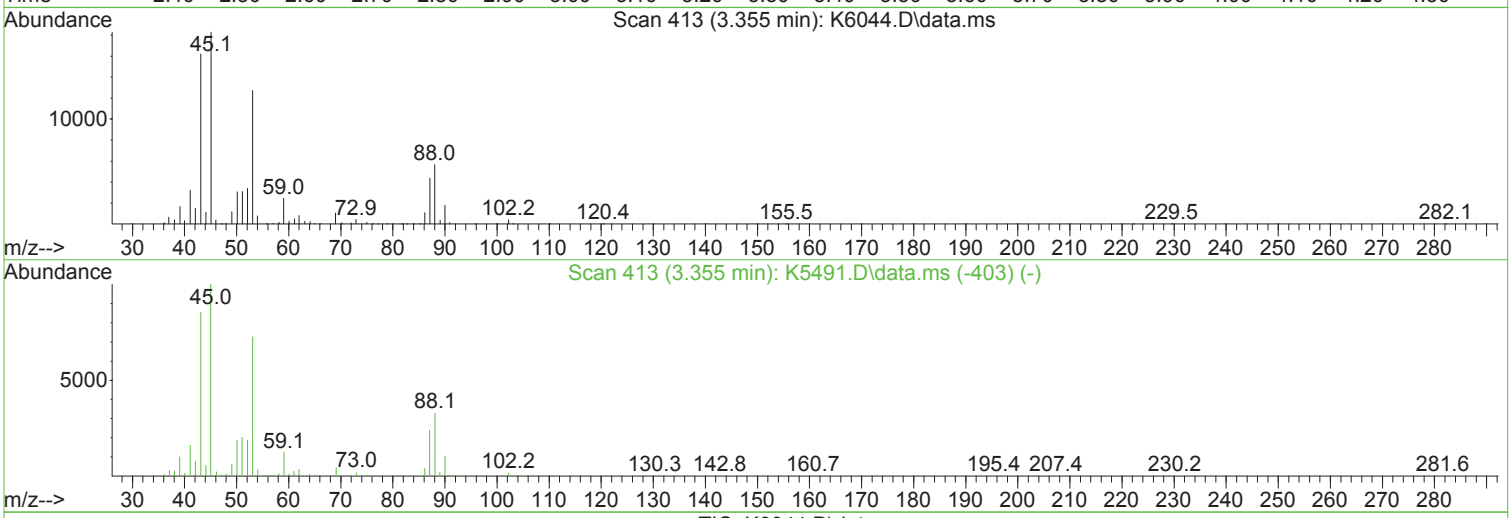
09/19/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration





TIC: K6044.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.355min (-0.000) 5.07 ug/L

response 31847

Ion	Exp%	Act%
53.10	100.00	100.00
88.00	45.10	44.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

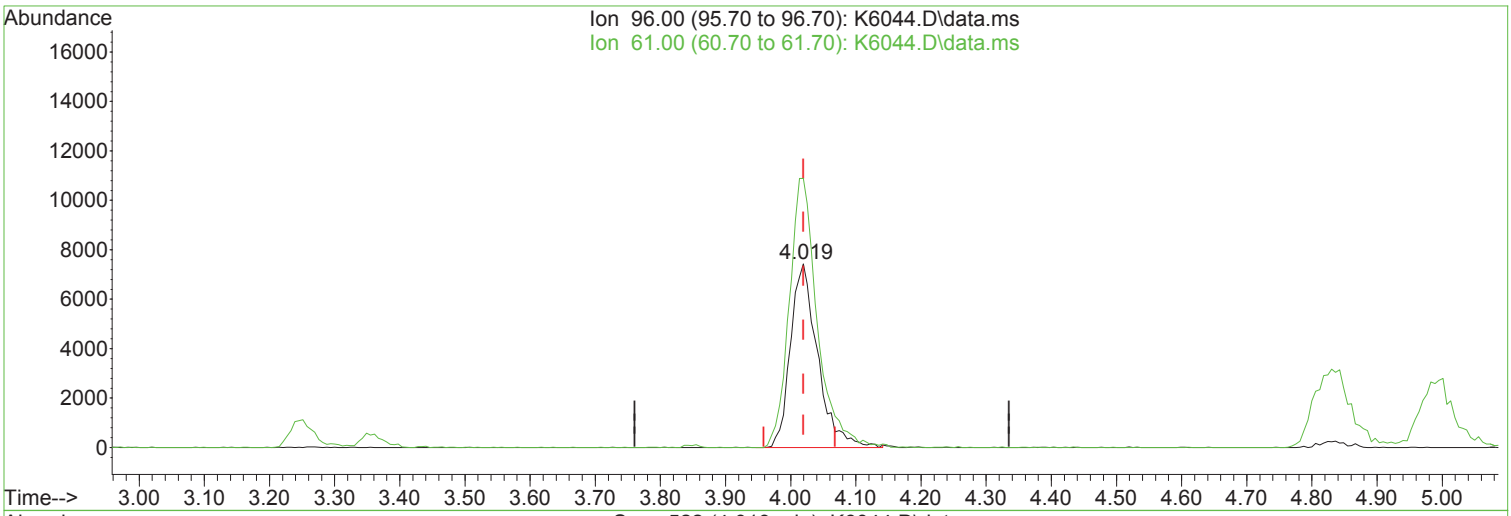
Before

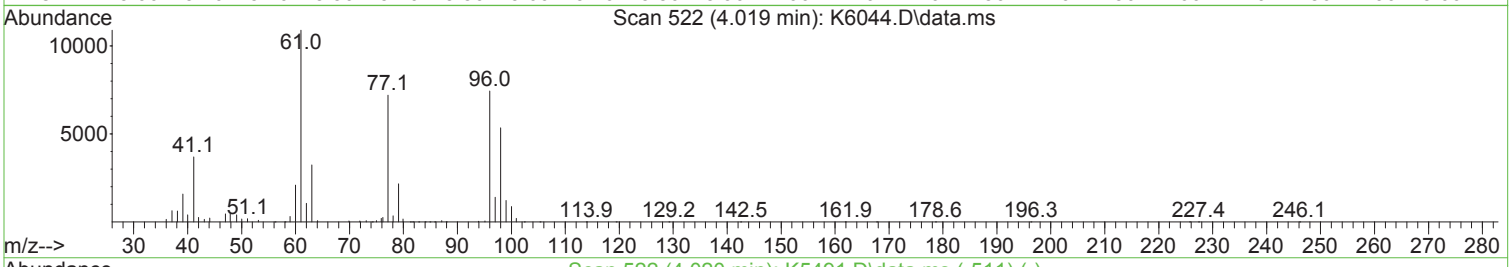
09/19/24

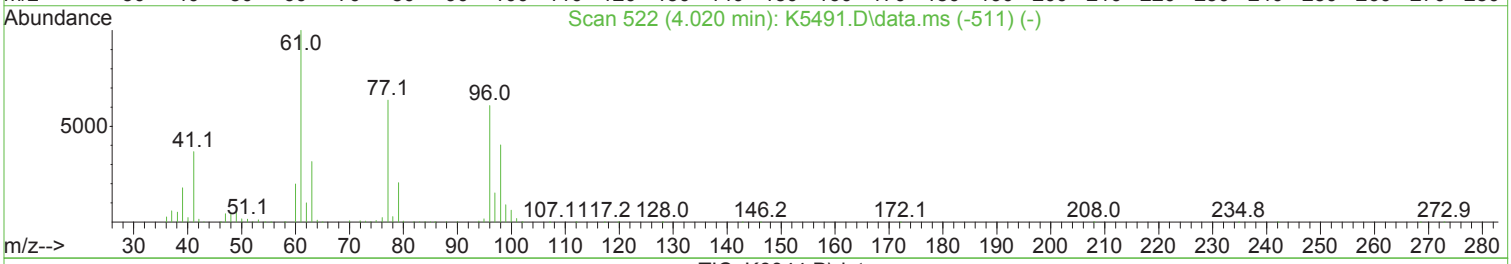
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

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

4.019min (-0.000) 5.26 ug/L m

response 21608

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	165.10	146.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

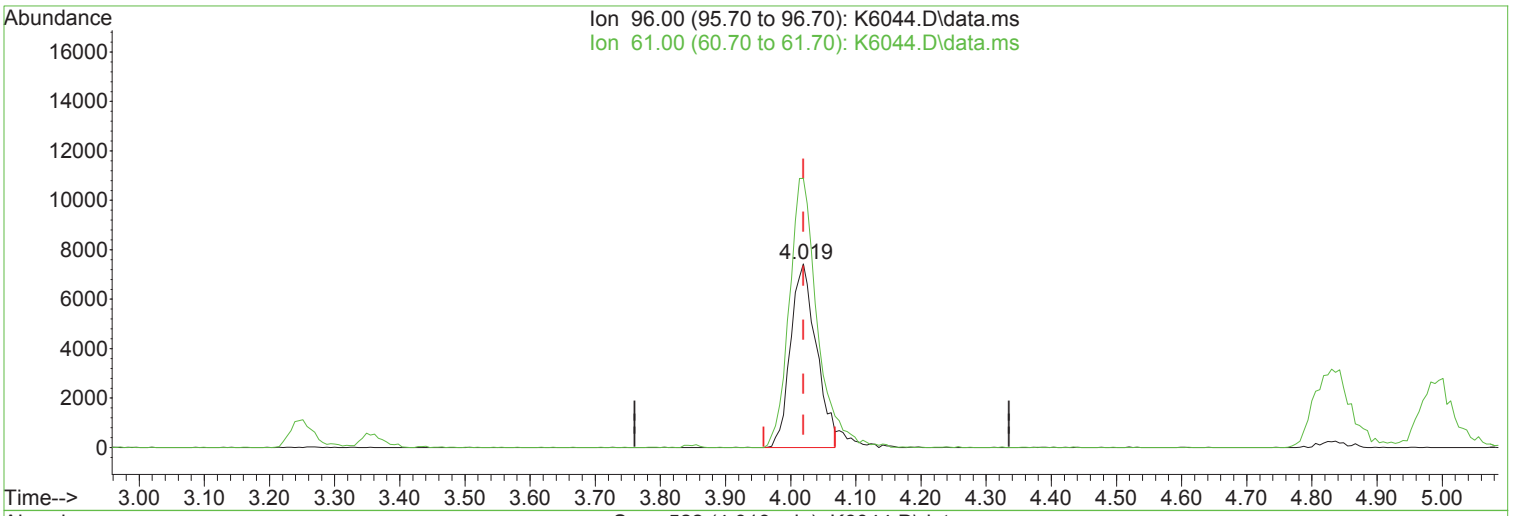
Poor integration.

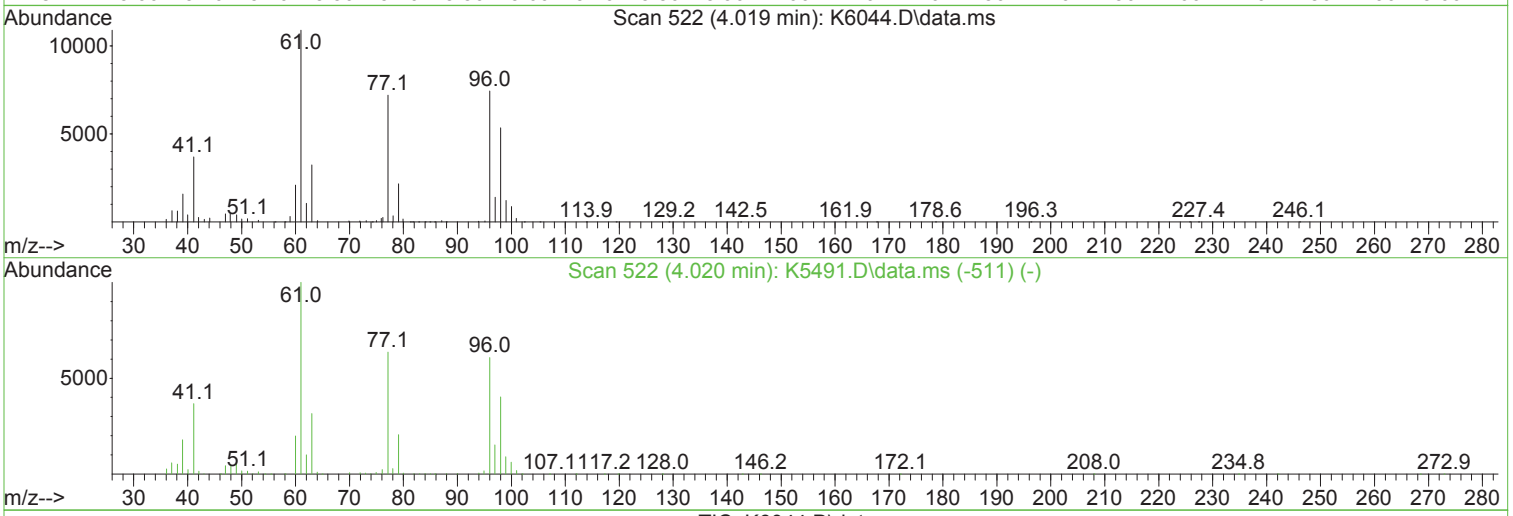
09/19/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration





TIC: K6044.D\data.ms

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

4.019min (-0.000) 4.98 ug/L

response 20456

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	165.10	146.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

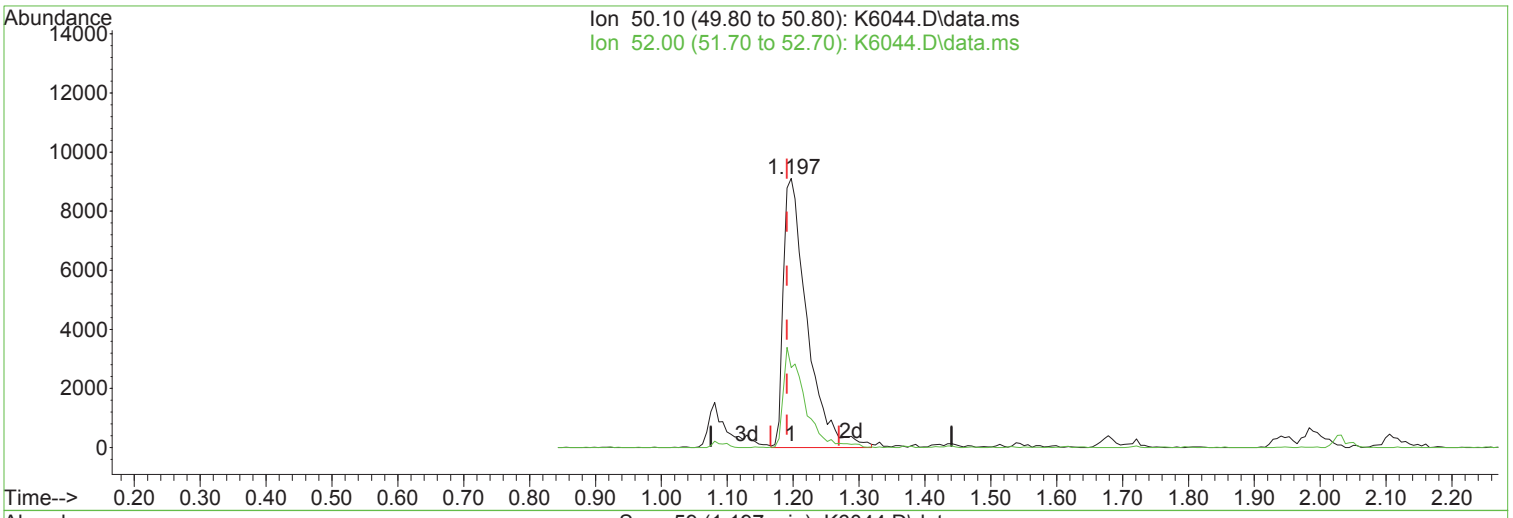
Before

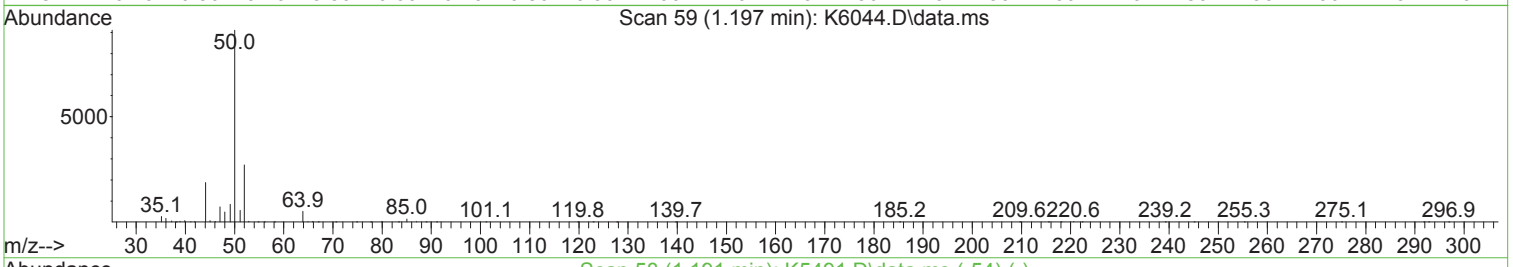
09/19/24

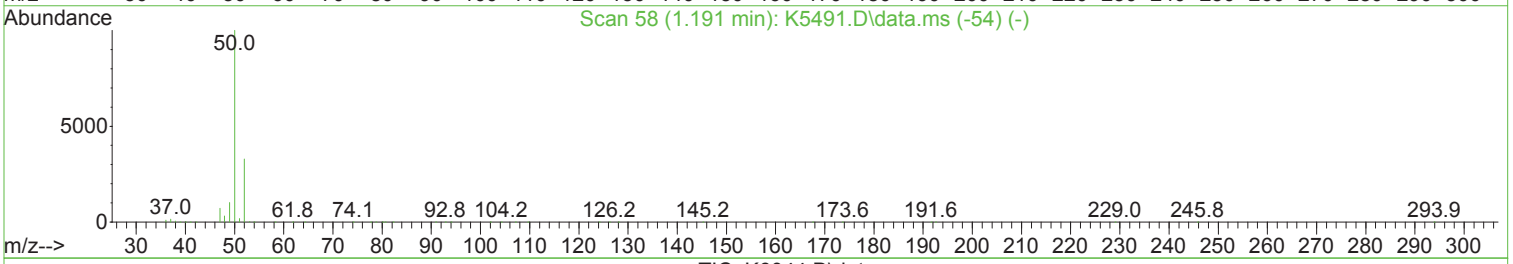
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(4) Chloromethane (P)

1.197min (+ 0.006) 4.89 ug/L m

response 22693

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	32.60	29.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

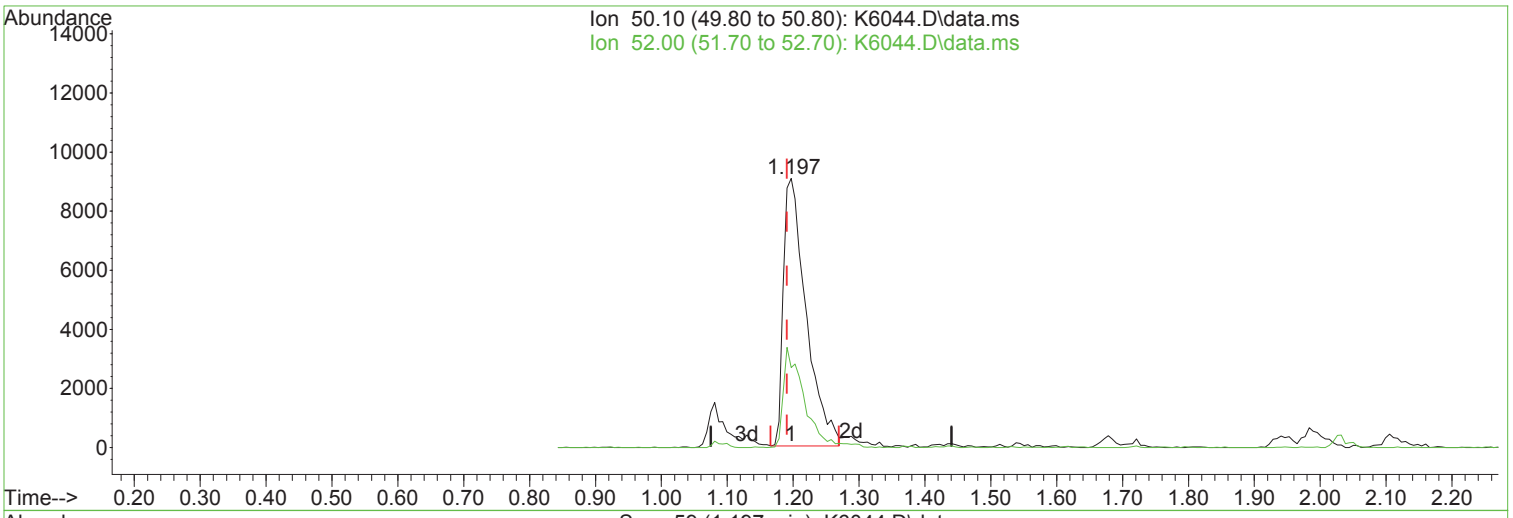
Poor integration.

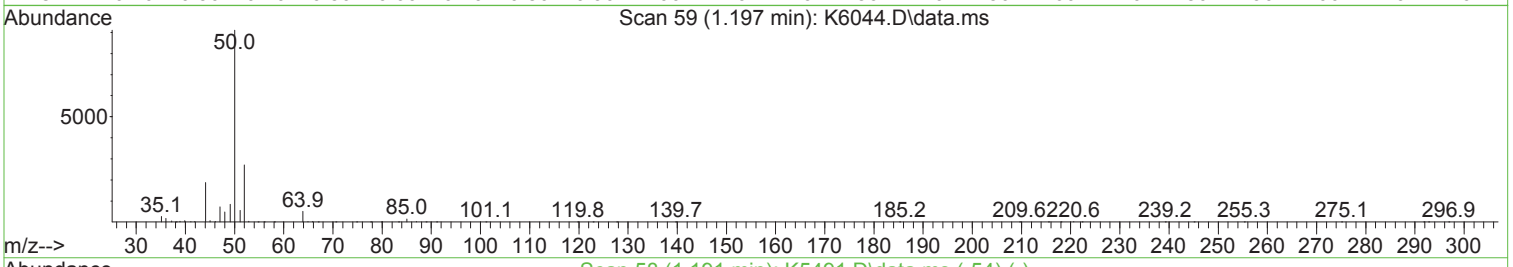
09/19/24

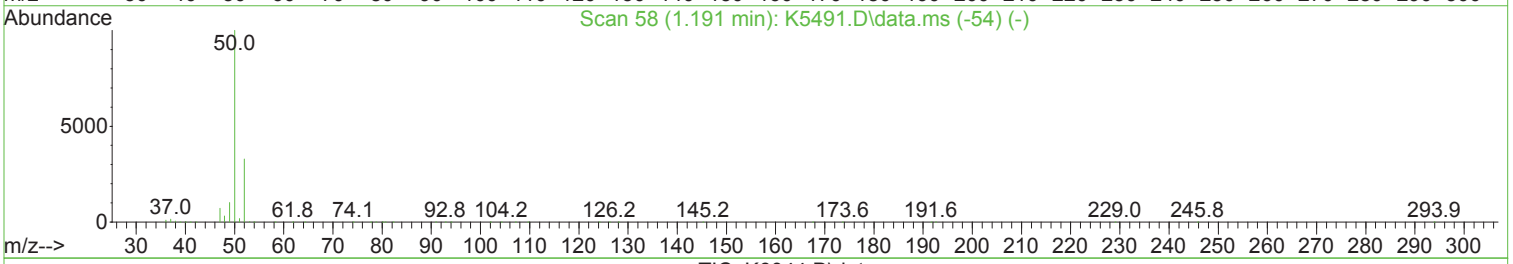
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(4) Chloromethane (P)

1.197min (+ 0.006) 4.66 ug/L

response 21655

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	32.60	29.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

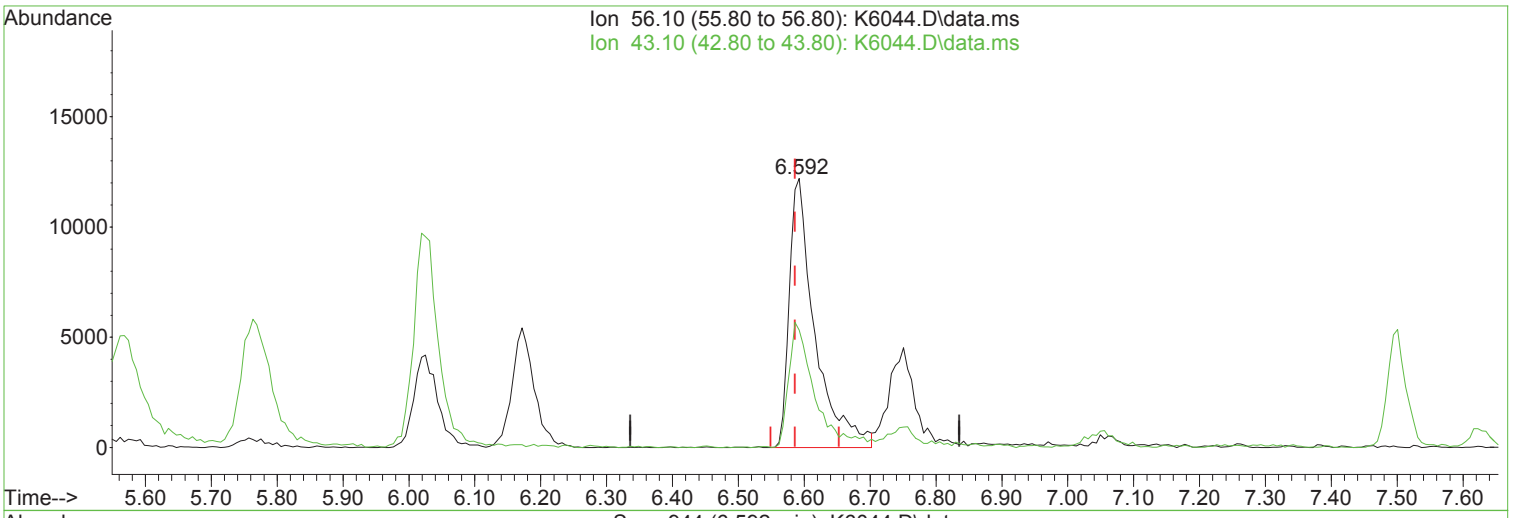
Before

09/19/24

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



TIC: K6044.D\data.ms

(52) 1-Butanol

6.592min (+ 0.006) 241.04 ug/L m

response 32899

Ion	Exp%	Act%
56.10	100.00	100.00
43.10	50.80	43.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

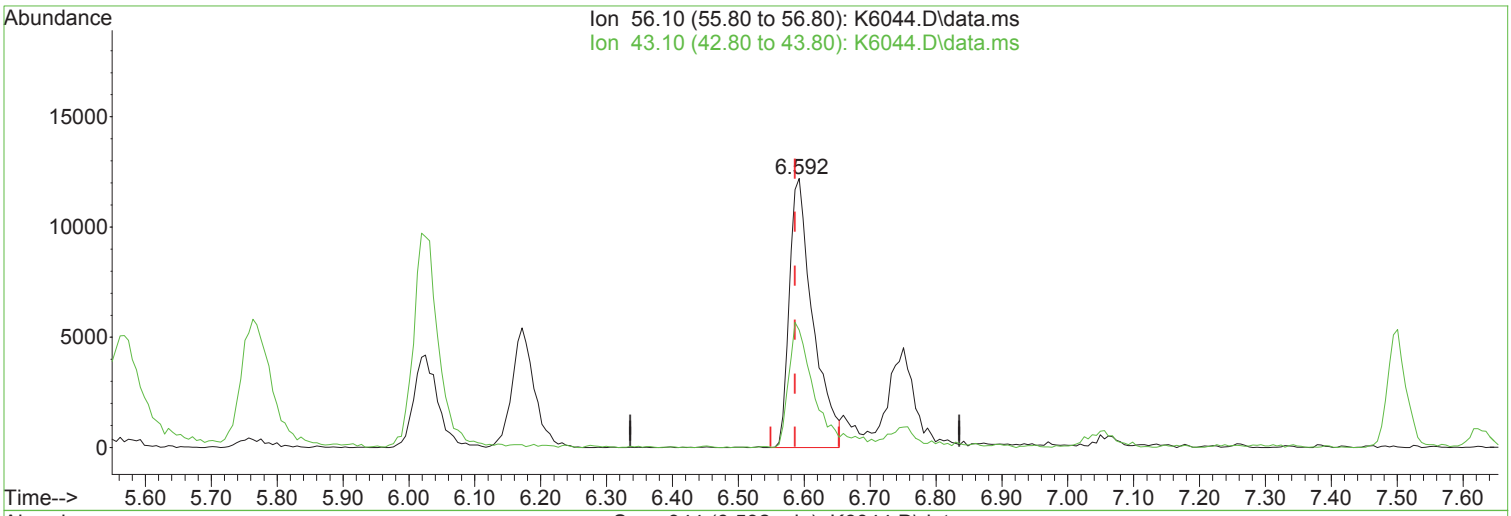
Poor integration.

09/19/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



TIC: K6044.D\data.ms

(52) 1-Butanol **Manual Integration:**

6.592min (+ 0.006) 221.76 ug/L **Before**

response 30267

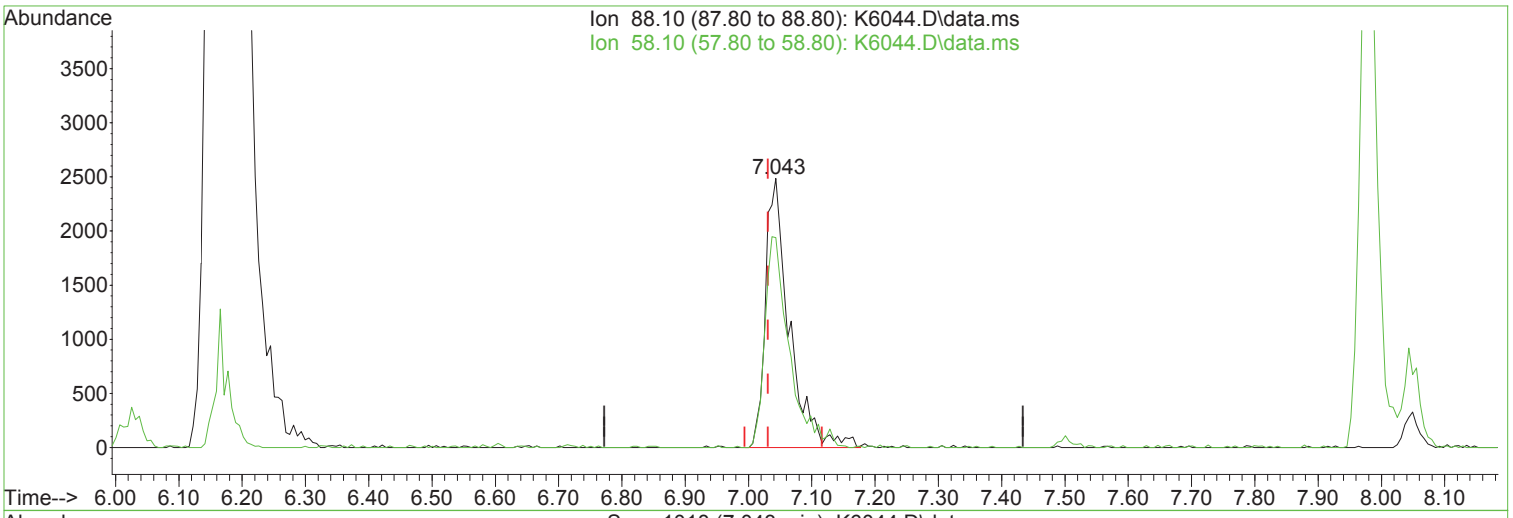
Ion	Exp%	Act%
56.10	100.00	100.00
43.10	50.80	43.68
0.00	0.00	0.00
0.00	0.00	0.00

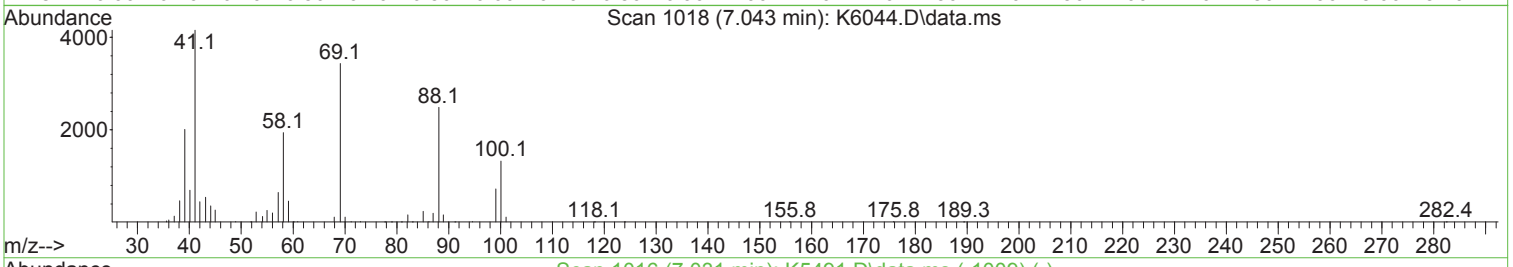
09/19/24

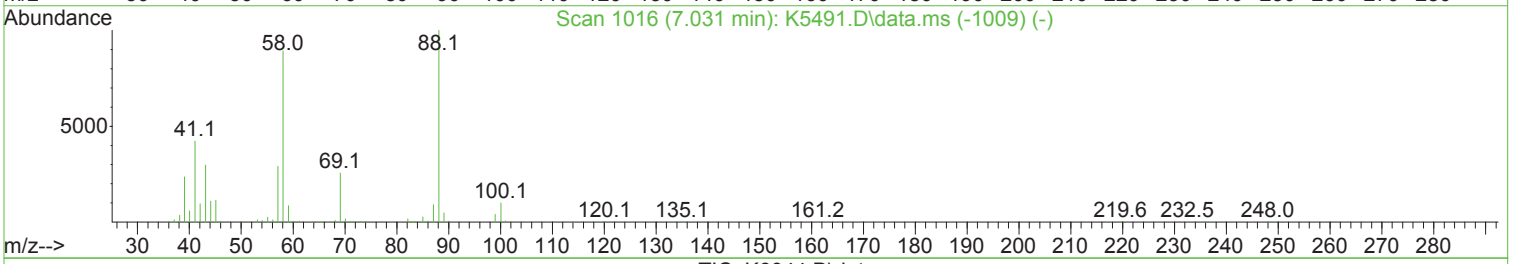
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Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(57) 1,4-Dioxane

7.043min (+ 0.012) 105.29 ug/L m

response 6501

Ion	Exp%	Act%
88.10	100.00	100.00
58.10	89.40	78.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

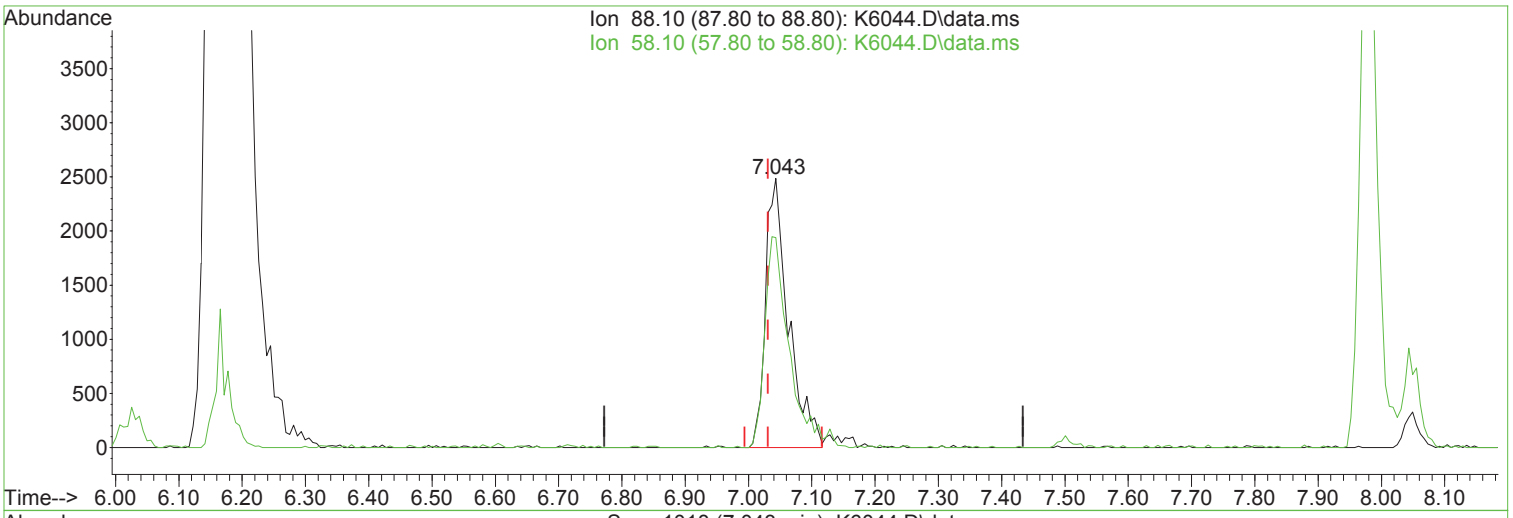
Poor integration.

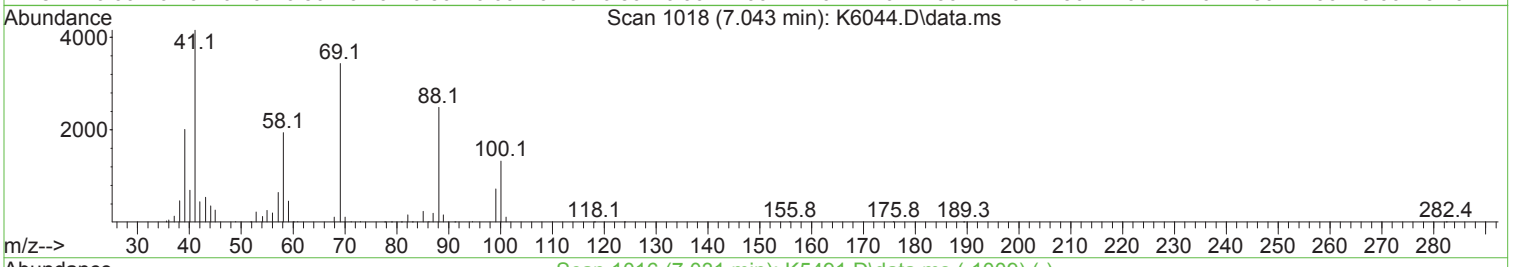
09/19/24

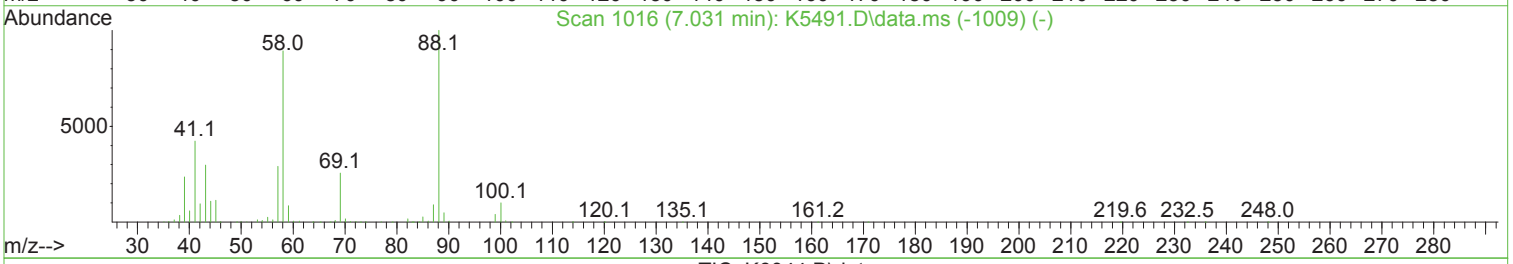
Quantitation Report (Qedit)

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Operator : K.Ruest
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Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(57) 1,4-Dioxane

7.043min (+ 0.012) 101.08 ug/L

response 6241

Ion	Exp%	Act%
88.10	100.00	100.00
58.10	89.40	78.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

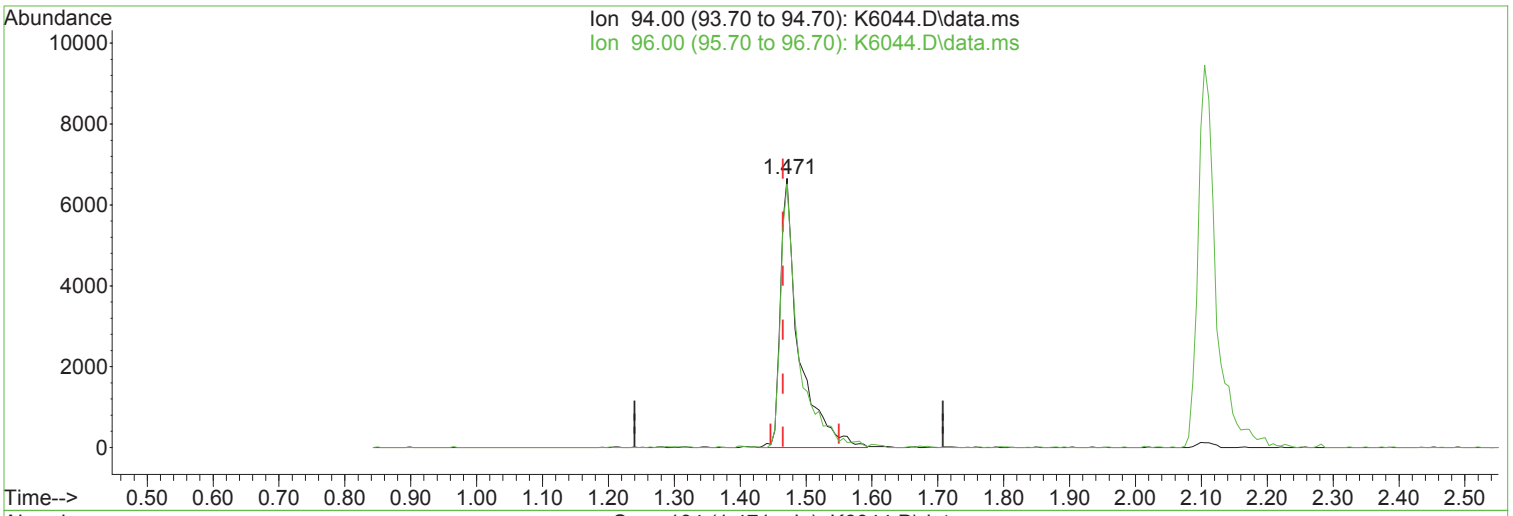
Before

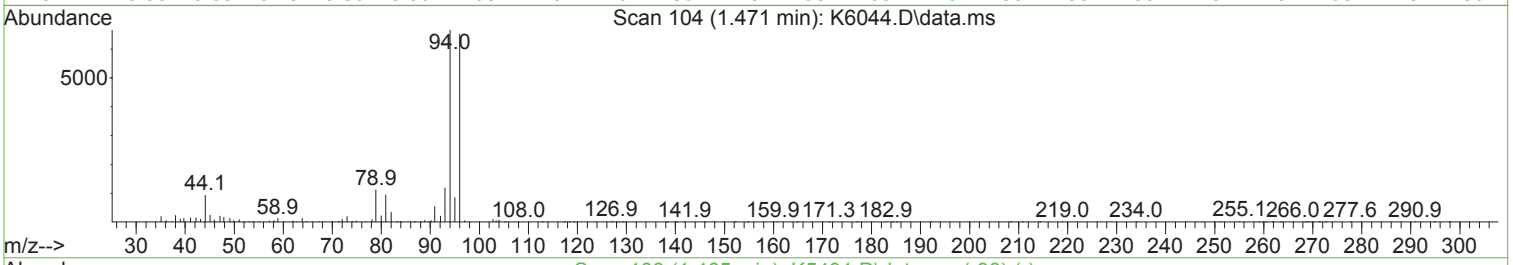
09/19/24

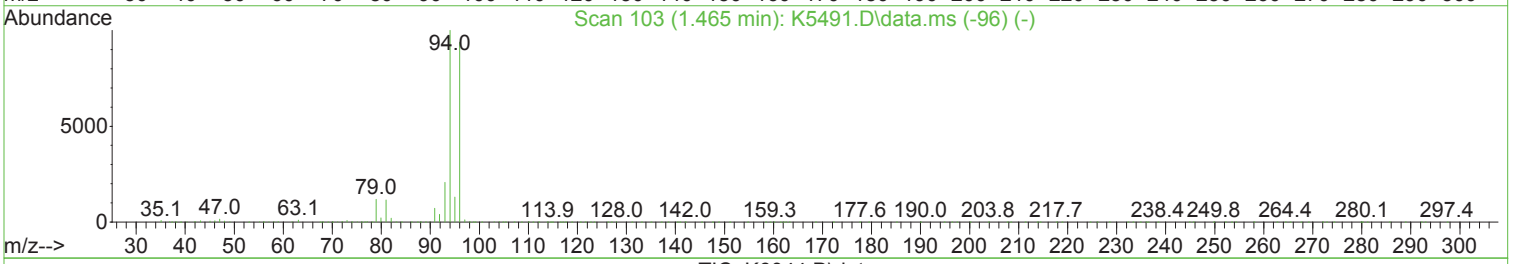
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
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Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(6) Bromomethane (P)

1.471min (+ 0.006) 5.14 ug/L m

response 12889

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.80	97.90
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

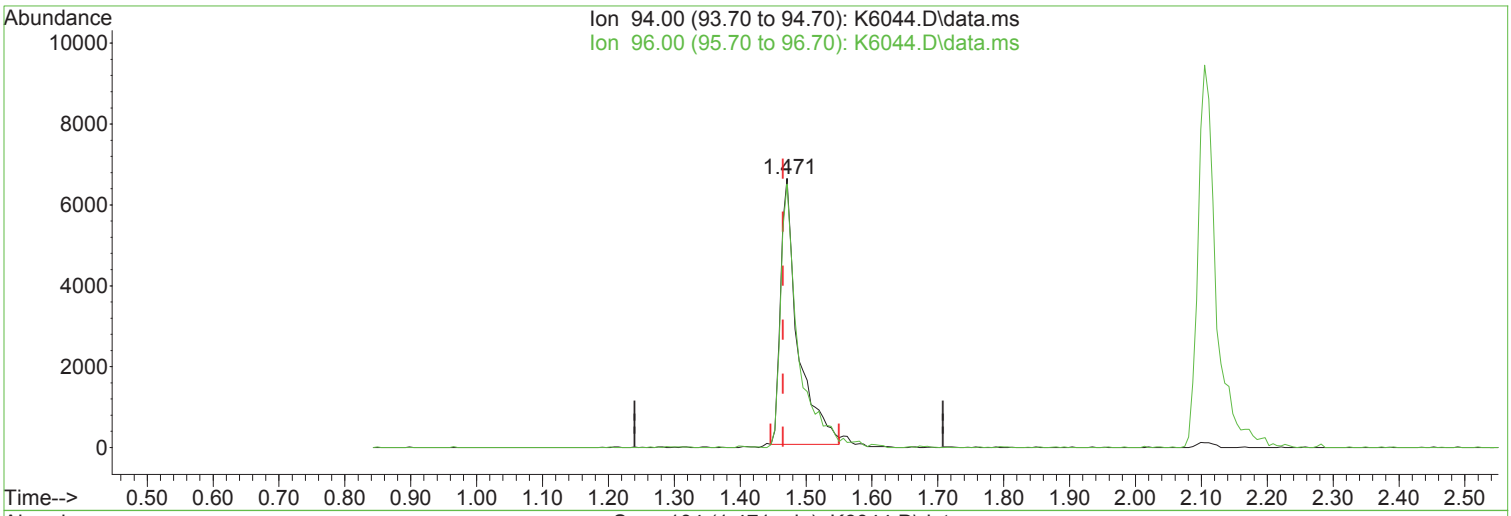
Poor integration.

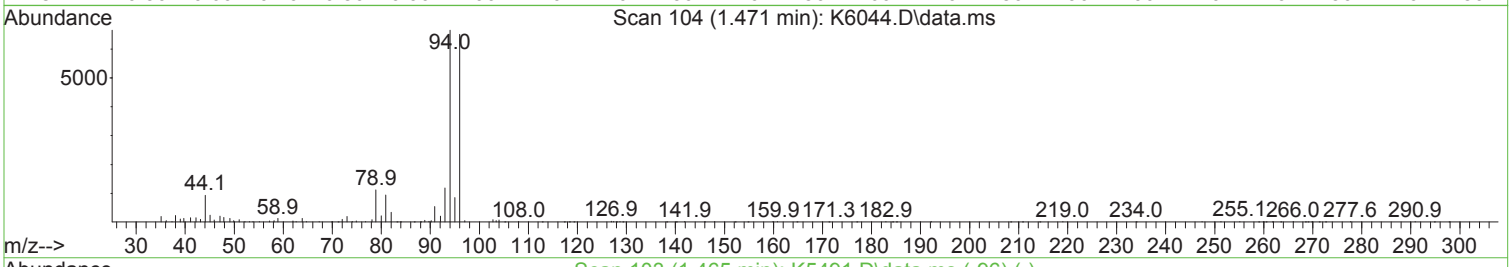
09/19/24

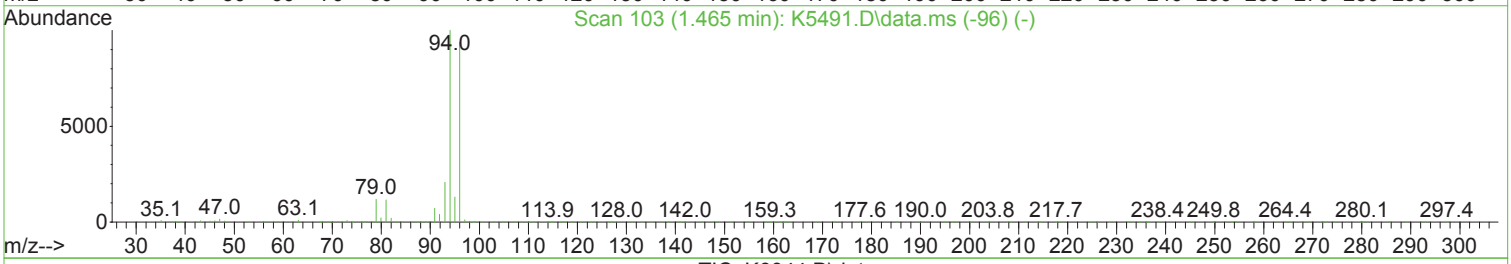
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
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TIC: K6044.D\data.ms

(6) Bromomethane (P)

1.471min (+ 0.006) 4.77 ug/L

response 11951

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.80	97.90
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

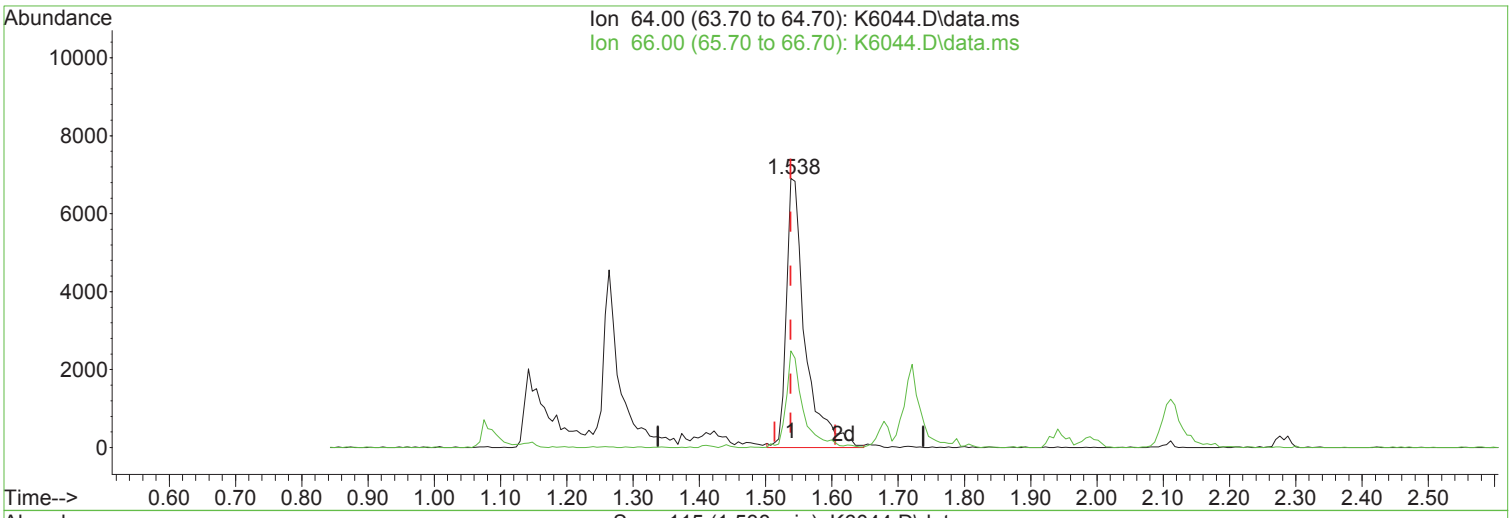
Before

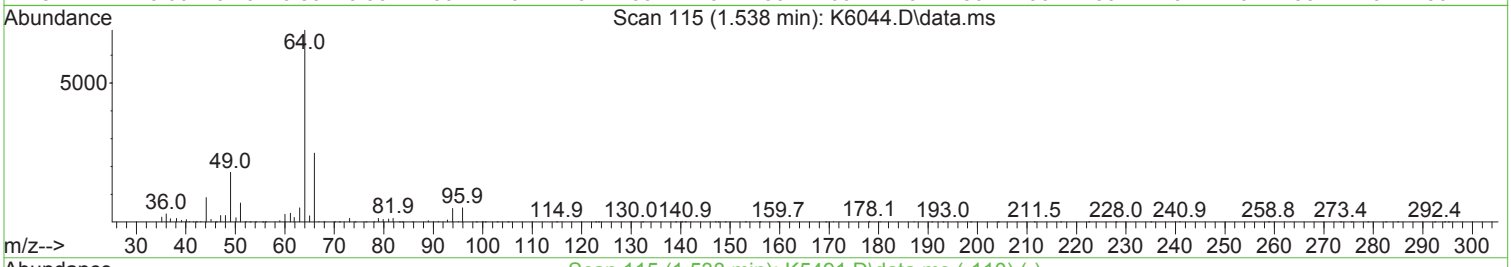
09/19/24

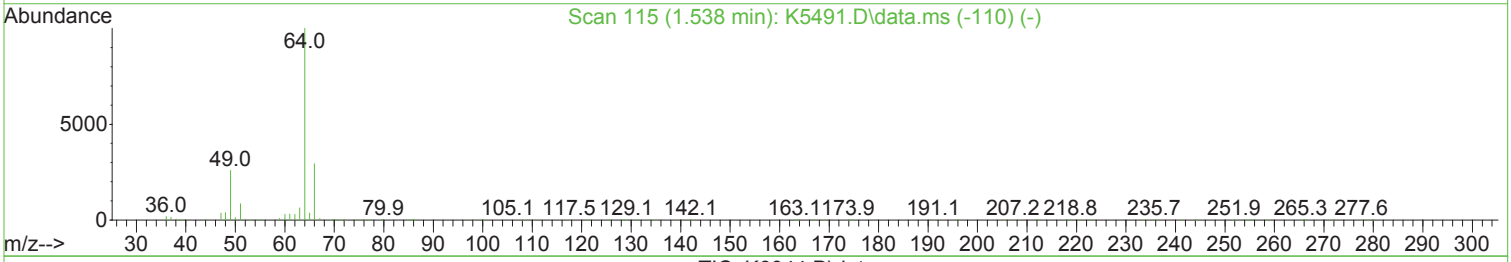
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TIC: K6044.D\data.ms

(7) Chloroethane (P)

1.538min (+ 0.000) 4.84 ug/L m

response 13599

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	29.40	35.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

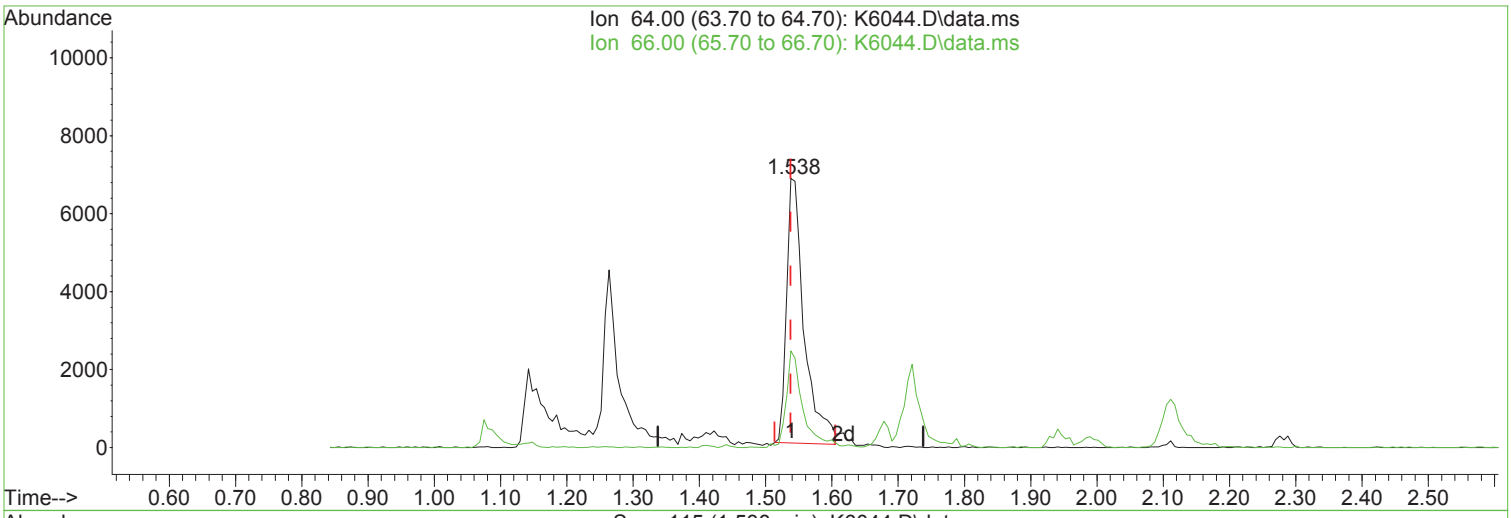
Poor integration.

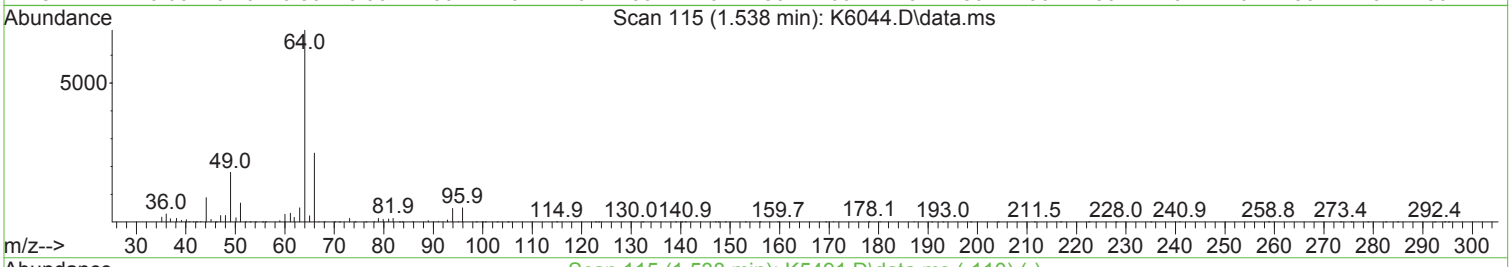
09/19/24

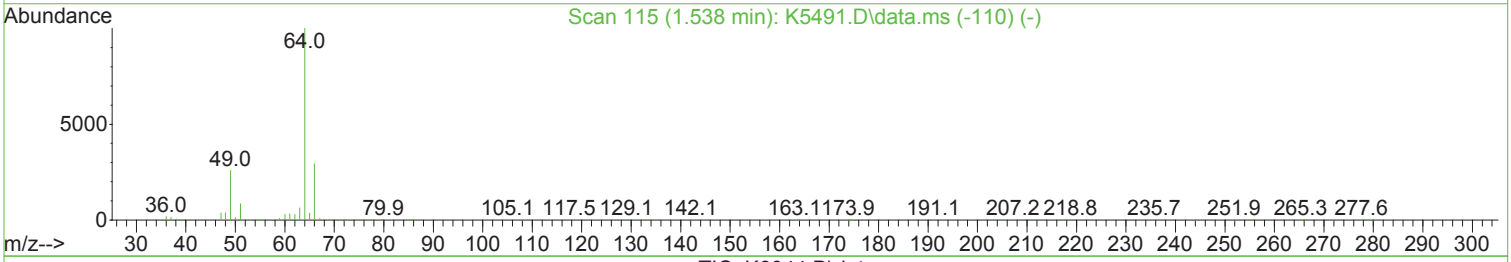
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6044.D\data.ms

(7) Chloroethane (P)

1.538min (+ 0.000) 4.44 ug/L

response 12470

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	29.40	35.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/19/24

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QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	442400	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	680802	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	579434	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	297491	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	40644	9.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 19.74%#			
47) surr1,1,2-dichloroetha...	5.416	65	47719	10.18	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.36%#			
64) SURR3,Toluene-d8	8.049	98	160903	10.44	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.88%#			
69) SURR2,BFB	10.658	95	58751	10.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 21.04%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	20815	4.819	ug/L	94
3) Dichlorodifluoromethane	1.075	85	15802	4.336	ug/L	94
4) Chloromethane	1.197	50	22693m	4.888	ug/L	
5) Vinyl Chloride	1.264	62	21376	4.869	ug/L	93
6) Bromomethane	1.471	94	12889m	5.144	ug/L	
7) Chloroethane	1.538	64	13599m	4.839	ug/L	
8) Freon 21	1.678	67	33338	5.048	ug/L	98
9) Trichlorofluoromethane	1.721	101	28024	4.851	ug/L	99
10) Diethyl Ether	1.934	59	19122	5.037	ug/L	97
11) Freon 123a	1.941	67	20500	4.911	ug/L	87
12) Freon 123	1.989	83	26691	5.270	ug/L	98
13) Acrolein	2.032	56	31615	27.022	ug/L	96
14) 1,1-Diclethene	2.105	96	18167	5.044	ug/L	94
15) Freon 113	2.111	101	18704m	5.259	ug/L	
16) Acetone	2.154	43	10332	6.050	ug/L	90
17) 2-Propanol	2.282	45	31108	102.856	ug/L	92
18) Iodomethane	2.227	142	26252	4.676	ug/L	99
19) Carbon Disulfide	2.282	76	42776	4.848	ug/L	98
20) Acetonitrile/Allyl Chl...	2.410	41	36796	29.078	ug/L	97
21) Methyl Acetate	2.440	43	17846	5.323	ug/L	97
22) Methylene Chloride	2.520	84	19746	4.801	ug/L	87
23) TBA	2.648	59	56181	100.644	ug/L	99
24) Acrylonitrile	2.764	53	51081	25.850	ug/L	96
25) Methyl-t-Butyl Ether	2.800	73	56820	5.088	ug/L	97
26) trans-1,2-Dichloroethene	2.788	96	19590	5.069	ug/L	90
27) 1,1-Diclethane	3.245	63	35939	5.134	ug/L	99
28) Vinyl Acetate	3.337	86	4276	4.839	ug/L #	78
29) DIPE	3.361	45	61190	5.251	ug/L	90
30) 2-Chloro-1,3-Butadiene	3.355	53	34390m	5.469	ug/L	
31) ETBE	3.849	59	67662	5.204	ug/L	96
32) 2,2-Dichloropropane	4.007	77	25918	5.310	ug/L	93
33) cis-1,2-Dichloroethene	4.019	96	21608m	5.255	ug/L	
34) 2-Butanone	4.086	43	11682	5.380	ug/L	86
35) Propionitrile	4.166	54	21606	25.978	ug/L	98
36) Bromochloromethane	4.385	130	14774	4.971	ug/L #	86
37) Methacrylonitrile	4.397	67	9688	5.074	ug/L #	70
38) Tetrahydrofuran	4.495	42	7155	5.265	ug/L	95
39) Chloroform	4.550	83	32284	5.074	ug/L	91
40) 1,1,1-Trichloroethane	4.824	97	28305	5.481	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.763	73	52994	5.082	ug/L		94
43) Cyclohexane	4.910	41	17044	5.450	ug/L		99
45) Carbontetrachloride	5.135	117	23477	4.657	ug/L		96
46) 1,1-Dichloropropene	5.141	75	25213	5.141	ug/L		95
48) Benzene	5.501	78	75526	5.175	ug/L		91
49) 1,2-Dichloroethane	5.550	62	29868	5.298	ug/L		92
50) Iso-Butyl Alcohol	5.568	43	19394	96.089	ug/L		99
51) n-Heptane	6.019	43	25534	4.900	ug/L		98
52) 1-Butanol	6.592	56	32899m	241.040	ug/L		
53) Trichloroethene	6.507	130	23397	5.111	ug/L		94
54) Methylcyclohexane	6.751	55	31509	5.314	ug/L		87
55) 1,2-Diclpropane	6.806	63	20841	5.235	ug/L		97
56) Dibromomethane	6.952	93	12516	5.044	ug/L		89
57) 1,4-Dioxane	7.043	88	6501m	105.294	ug/L		
58) Methyl Methacrylate	7.055	69	15073	5.045	ug/L	#	81
59) Bromodichloromethane	7.196	83	22456	4.932	ug/L		96
60) 2-Nitropropane	7.494	41	8982	8.840	ug/L		93
61) 2-Chloroethylvinyl Ether	7.629	63	2688	4.510	ug/L		92
62) cis-1,3-Dichloropropene	7.750	75	27214	4.912	ug/L		99
63) 4-Methyl-2-pentanone	7.976	43	21156	5.255	ug/L		92
65) Toluene	8.122	91	86119	5.266	ug/L		99
66) trans-1,3-Dichloropropene	8.409	75	24324	4.830	ug/L		95
67) Ethyl Methacrylate	8.561	69	25679	4.889	ug/L		89
68) 1,1,2-Trichloroethane	8.598	97	18806	4.953	ug/L		95
71) Tetrachloroethene	8.726	164	18341	5.192	ug/L		91
72) 2-Hexanone	8.909	43	15682	5.303	ug/L		93
73) 1,3-Dichloropropane	8.769	76	30509	5.044	ug/L		85
74) Dibromochloromethane	9.000	129	18135	4.559	ug/L		94
75) N-Butyl Acetate	9.073	43	32638	5.101	ug/L		94
76) 1,2-Dibromoethane	9.092	107	20049	4.972	ug/L		95
77) 3-Chlorobenzotrifluoride	9.628	180	32891	5.212	ug/L		94
78) Chlorobenzene	9.598	112	59321	5.144	ug/L		95
79) 4-Chlorobenzotrifluoride	9.683	180	28744	5.172	ug/L		94
80) 1,1,1,2-Tetrachloroethane	9.689	131	20712	5.096	ug/L		97
81) Ethylbenzene	9.720	106	29663	5.013	ug/L	#	90
82) (m+p)Xylene	9.842	106	75058	10.282	ug/L		92
83) o-Xylene	10.195	106	36986	5.154	ug/L		91
84) Styrene	10.213	104	59796	5.070	ug/L		97
85) Bromoform	10.360	173	10028	4.289	ug/L		98
86) 2-Chlorobenzotrifluoride	10.451	180	30483	5.141	ug/L		93
87) Isopropylbenzene	10.537	105	88467	5.147	ug/L		98
88) Cyclohexanone	10.604	55	107710	107.396	ug/L		93
89) trans-1,4-Dichloro-2-B...	10.860	53	6936	4.683	ug/L		91
91) 1,1,2,2-Tetrachloroethane	10.811	83	25603	4.984	ug/L		98
92) Bromobenzene	10.780	156	24622	5.173	ug/L	#	88
93) 1,2,3-Trichloropropane	10.835	110	9675	5.367	ug/L	#	78
94) n-Propylbenzene	10.896	91	109025	5.320	ug/L		97
95) 2-Chlorotoluene	10.957	91	65951	5.424	ug/L		95
96) 3-Chlorotoluene	11.012	91	68267	5.410	ug/L		96
97) 4-Chlorotoluene	11.049	91	76199	5.345	ug/L		99
98) 1,3,5-Trimethylbenzene	11.055	105	83251	5.352	ug/L		99
99) tert-Butylbenzene	11.323	119	71328	5.166	ug/L		98
100) 1,2,4-Trimethylbenzene	11.366	105	79450	5.156	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.433	214	21810	4.991	ug/L		98
102) sec-Butylbenzene	11.506	105	101772	5.227	ug/L		97
103) p-Isopropyltoluene	11.634	119	87756	5.251	ug/L		97

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

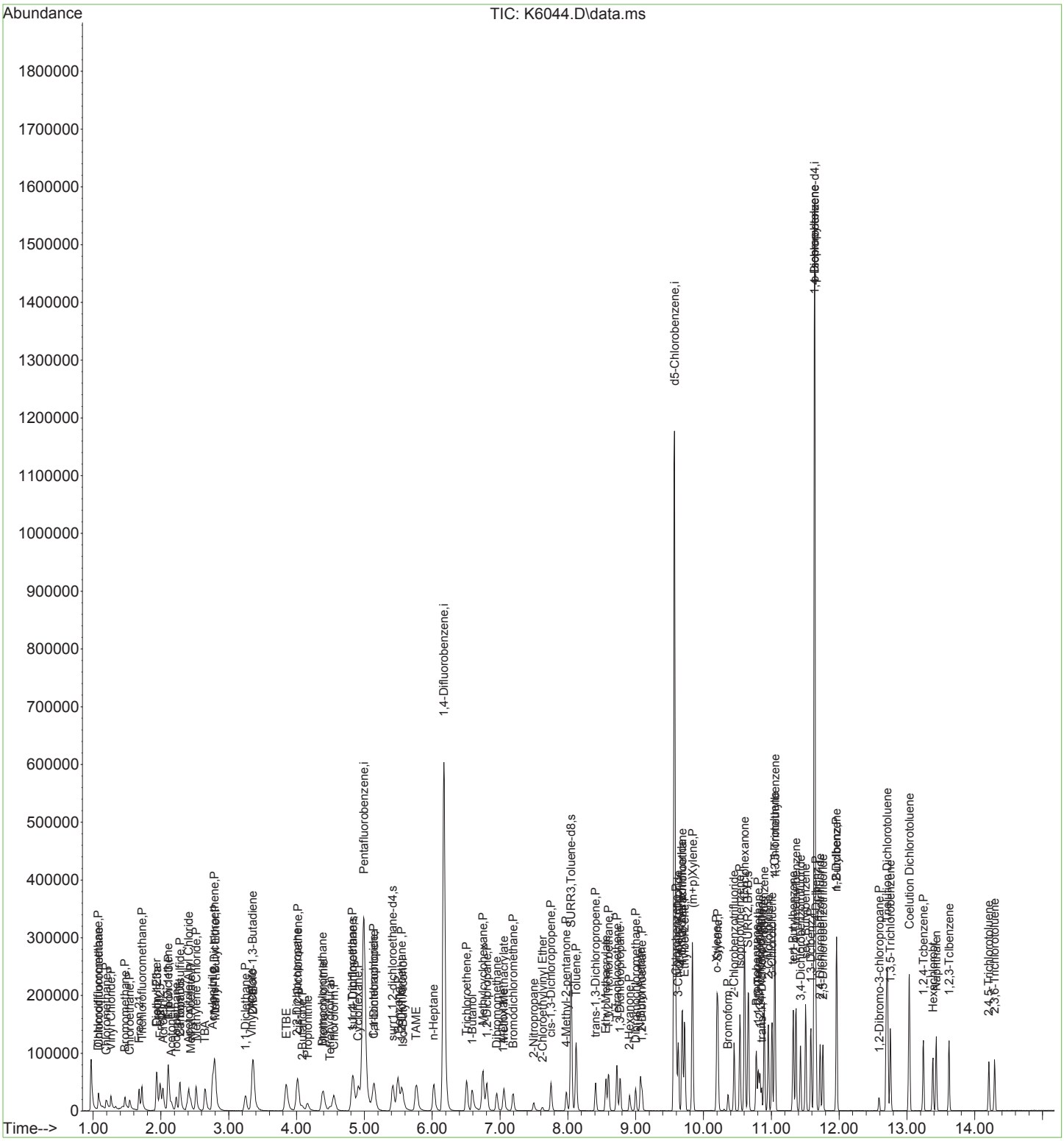
Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	48513	5.257	ug/L	95
105) 1,4-Dclbenz	11.658	146	47929	5.192	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	20476	5.307	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.762	214	21773	5.041	ug/L	97
108) n-Butylbenzene	11.963	91	71441	5.106	ug/L	98
109) 1,2-Dclbenz	11.963	146	46667	5.204	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.591	157	5259	4.602	ug/L	90
111) Trielution Dichlorotol...	12.707	125	127947	15.258	ug/L	96
112) 1,3,5-Trichlorobenzene	12.756	180	32850	5.070	ug/L	95
113) Coelution Dichlorotoluene	13.036	125	89054	10.319	ug/L	97
114) 1,2,4-Tcbenzene	13.243	180	29632	4.865	ug/L	95
115) Hexachlorobt	13.384	225	12248	4.825	ug/L	96
116) Naphthalen	13.432	128	79206	4.861	ug/L	99
117) 1,2,3-Tclbenzene	13.621	180	29137	5.085	ug/L	95
118) 2,4,5-Trichlorotoluene	14.207	159	19294	4.612	ug/L	94
119) 2,3,6-Trichlorotoluene	14.292	159	17819	4.792	ug/L	95

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6044.D
Acq On : 18 Sep 2024 12:51 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 18:56:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6045.D
Acq On : 18 Sep 2024 01:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 18:56:48 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	433663	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.178	114	654227	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	547486	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	276139	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.836	113	74906	18.93	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 37.86%#			
47) surr1,1,2-dichloroetha...	5.422	65	84293	18.71	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 37.42%#			
64) SURR3,Toluene-d8	8.049	98	278810	18.82	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 37.64%#			
69) SURR2,BFB	10.659	95	96848	18.05	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 36.10%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	75271	17.777	ug/L	99
3) Dichlorodifluoromethane	1.075	85	75159	21.037	ug/L	96
4) Chloromethane	1.191	50	86482	19.005	ug/L	96
5) Vinyl Chloride	1.264	62	86329	20.061	ug/L	98
6) Bromomethane	1.471	94	50188	20.434	ug/L	98
7) Chloroethane	1.544	64	52487	19.053	ug/L	97
8) Freon 21	1.679	67	113759	17.573	ug/L	98
9) Trichlorofluoromethane	1.721	101	111584	19.703	ug/L	99
10) Diethyl Ether	1.935	59	76144	20.463	ug/L	94
11) Freon 123a	1.941	67	67844	16.579	ug/L	96
12) Freon 123	1.989	83	90352	18.199	ug/L	98
13) Acrolein	2.026	56	113926	99.338	ug/L	97
14) 1,1-Diclethene	2.105	96	68085	19.285	ug/L	90
15) Freon 113	2.111	101	71117	20.400	ug/L	93
16) Acetone	2.154	43	32326	19.311	ug/L	86
17) 2-Propanol	2.276	45	123920	417.985	ug/L	94
18) Iodomethane	2.227	142	93234	16.943	ug/L	94
19) Carbon Disulfide	2.282	76	143161	16.551	ug/L	99
20) Acetonitrile/Allyl Chl...	2.410	41	154342	124.426	ug/L	99
21) Methyl Acetate	2.434	43	63689	19.381	ug/L	96
22) Methylene Chloride	2.520	84	72572	18.002	ug/L	92
23) TBA	2.648	59	257812	471.154	ug/L	98
24) Acrylonitrile	2.758	53	212734	109.823	ug/L	98
25) Methyl-t-Butyl Ether	2.800	73	221185	20.204	ug/L	99
26) trans-1,2-Dichloroethene	2.788	96	72246	19.069	ug/L	89
27) 1,1-Diclethane	3.245	63	130434	19.009	ug/L	99
28) Vinyl Acetate	3.337	86	16635	19.206	ug/L #	80
29) DIPE	3.361	45	212811	18.632	ug/L	92
30) 2-Chloro-1,3-Butadiene	3.355	53	105970	17.193	ug/L	87
31) ETBE	3.849	59	239323	18.778	ug/L	96
32) 2,2-Dichloropropane	4.013	77	96273	20.121	ug/L	98
33) cis-1,2-Dichloroethene	4.020	96	79708	19.777	ug/L #	82
34) 2-Butanone	4.081	43	42372	19.907	ug/L	94
35) Propionitrile	4.160	54	89989	110.377	ug/L	97
36) Bromochloromethane	4.385	130	56977	19.557	ug/L #	84
37) Methacrylonitrile	4.398	67	40058	21.403	ug/L #	77
38) Tetrahydrofuran	4.483	42	28326	21.264	ug/L	95
39) Chloroform	4.550	83	122363	19.621	ug/L	91
40) 1,1,1-Trichloroethane	4.824	97	107048	21.147	ug/L	97

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6045.D
Acq On : 18 Sep 2024 01:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 18:56:48 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.763	73	192465	18.828	ug/L		95
43) Cyclohexane	4.910	41	56425	18.774	ug/L		96
45) Carbontetrachloride	5.135	117	89166	18.407	ug/L		99
46) 1,1-Dichloropropene	5.147	75	89378	18.966	ug/L		99
48) Benzene	5.495	78	273095	19.472	ug/L		95
49) 1,2-Dichloroethane	5.550	62	107487	19.839	ug/L		97
50) Iso-Butyl Alcohol	5.556	43	89099	459.381	ug/L		96
51) n-Heptane	6.025	43	98655	19.703	ug/L		94
52) 1-Butanol	6.586	56	159584	1216.715	ug/L		96
53) Trichloroethene	6.507	130	84227	19.145	ug/L		96
54) Methylcyclohexane	6.745	55	103316	18.134	ug/L		93
55) 1,2-Diclpropane	6.806	63	77675	20.302	ug/L		100
56) Dibromomethane	6.952	93	47272	19.826	ug/L	#	82
57) 1,4-Dioxane	7.031	88	26427	445.414	ug/L		96
58) Methyl Methacrylate	7.056	69	59678	20.785	ug/L		88
59) Bromodichloromethane	7.190	83	86239	19.710	ug/L		98
60) 2-Nitropropane	7.495	41	41514	42.516	ug/L		96
61) 2-Chloroethylvinyl Ether	7.623	63	12819	22.381	ug/L		99
62) cis-1,3-Dichloropropene	7.751	75	107803	20.250	ug/L		98
63) 4-Methyl-2-pentanone	7.976	43	77634	20.069	ug/L		94
65) Toluene	8.122	91	307366	19.559	ug/L		99
66) trans-1,3-Dichloropropene	8.409	75	98042	20.259	ug/L		97
67) Ethyl Methacrylate	8.561	69	108203	21.437	ug/L		89
68) 1,1,2-Trichloroethane	8.598	97	74129	20.318	ug/L		96
71) Tetrachloroethene	8.726	164	64261	19.253	ug/L		95
72) 2-Hexanone	8.909	43	59160	21.172	ug/L		88
73) 1,3-Dichloropropane	8.769	76	117603	20.577	ug/L		88
74) Dibromochloromethane	9.000	129	78543	20.895	ug/L		98
75) N-Butyl Acetate	9.074	43	119874	19.828	ug/L		93
76) 1,2-Dibromoethane	9.092	107	79082	20.757	ug/L		98
77) 3-Chlorobenzotrifluoride	9.628	180	108839	18.252	ug/L		94
78) Chlorobenzene	9.598	112	212344	19.487	ug/L		96
79) 4-Chlorobenzotrifluoride	9.683	180	100289	19.097	ug/L		91
80) 1,1,1,2-Tetrachloroethane	9.689	131	78321	20.393	ug/L		97
81) Ethylbenzene	9.726	106	111932	20.021	ug/L		91
82) (m+p)Xylene	9.836	106	277691	40.258	ug/L		98
83) o-Xylene	10.201	106	135520	19.986	ug/L		93
84) Styrene	10.214	104	235774	21.159	ug/L		93
85) Bromoform	10.366	173	47994	21.726	ug/L		100
86) 2-Chlorobenzotrifluoride	10.451	180	106572	19.024	ug/L		94
87) Isopropylbenzene	10.537	105	323346	19.911	ug/L		98
88) Cyclohexanone	10.604	55	451646	476.607	ug/L		92
89) trans-1,4-Dichloro-2-B...	10.860	53	32130	22.961	ug/L		92
91) 1,1,2,2-Tetrachloroethane	10.805	83	105220	22.068	ug/L		99
92) Bromobenzene	10.781	156	92718	20.987	ug/L	#	87
93) 1,2,3-Trichloropropane	10.835	110	36466	21.794	ug/L		95
94) n-Propylbenzene	10.896	91	395976	20.818	ug/L		96
95) 2-Chlorotoluene	10.957	91	233298	20.669	ug/L		94
96) 3-Chlorotoluene	11.012	91	232236	19.827	ug/L		96
97) 4-Chlorotoluene	11.049	91	274498	20.743	ug/L		98
98) 1,3,5-Trimethylbenzene	11.049	105	297121	20.577	ug/L		97
99) tert-Butylbenzene	11.323	119	262001	20.445	ug/L		100
100) 1,2,4-Trimethylbenzene	11.366	105	297735	20.815	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.433	214	77715	19.159	ug/L		93
102) sec-Butylbenzene	11.506	105	372326	20.602	ug/L		97
103) p-Isopropyltoluene	11.628	119	324416	20.912	ug/L		99

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6045.D
Acq On : 18 Sep 2024 01:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

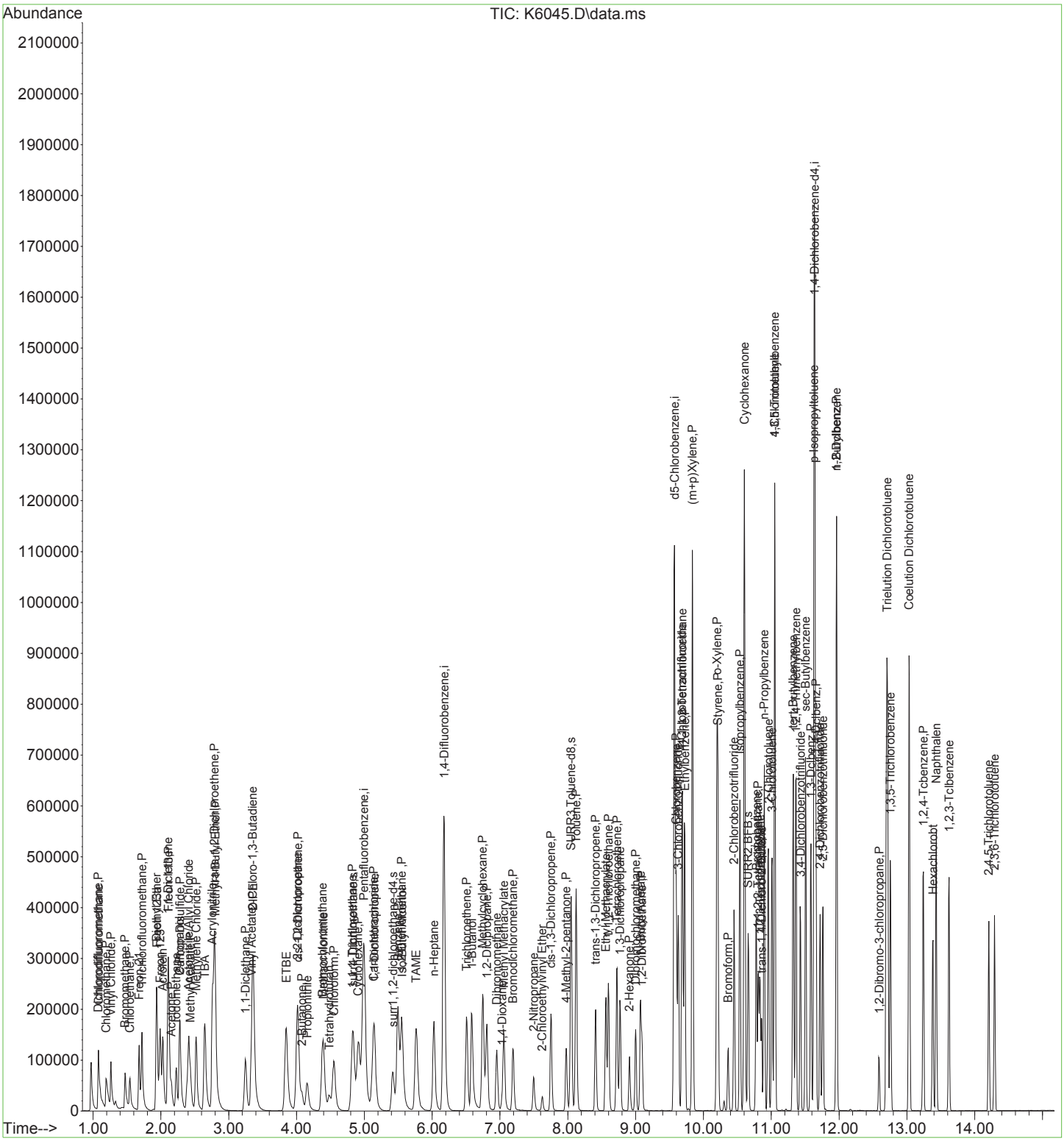
Quant Time: Sep 18 18:56:48 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	175384	20.476	ug/L	97
105) 1,4-Dclbenz	11.658	146	178039	20.778	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.719	214	70906	19.799	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.762	214	75052	18.720	ug/L	99
108) n-Butylbenzene	11.963	91	272291	20.967	ug/L	98
109) 1,2-Dclbenz	11.963	146	173271	20.818	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.591	157	24720	23.302	ug/L	93
111) Trielution Dichlorotol...	12.707	125	455140	58.473	ug/L	97
112) 1,3,5-Trichlorobenzene	12.756	180	115390	19.186	ug/L	98
113) Coelution Dichlorotoluene	13.030	125	323982	40.442	ug/L	99
114) 1,2,4-Tcbenzene	13.243	180	116555	20.616	ug/L	98
115) Hexachlorobt	13.384	225	48842	20.728	ug/L	97
116) Naphthalen	13.432	128	345763	22.861	ug/L	98
117) 1,2,3-Tclbenzene	13.621	180	111181	20.905	ug/L	96
118) 2,4,5-Trichlorotoluene	14.207	159	80158	20.642	ug/L	96
119) 2,3,6-Trichlorotoluene	14.292	159	74196	21.495	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6045.D
Acq On : 18 Sep 2024 01:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

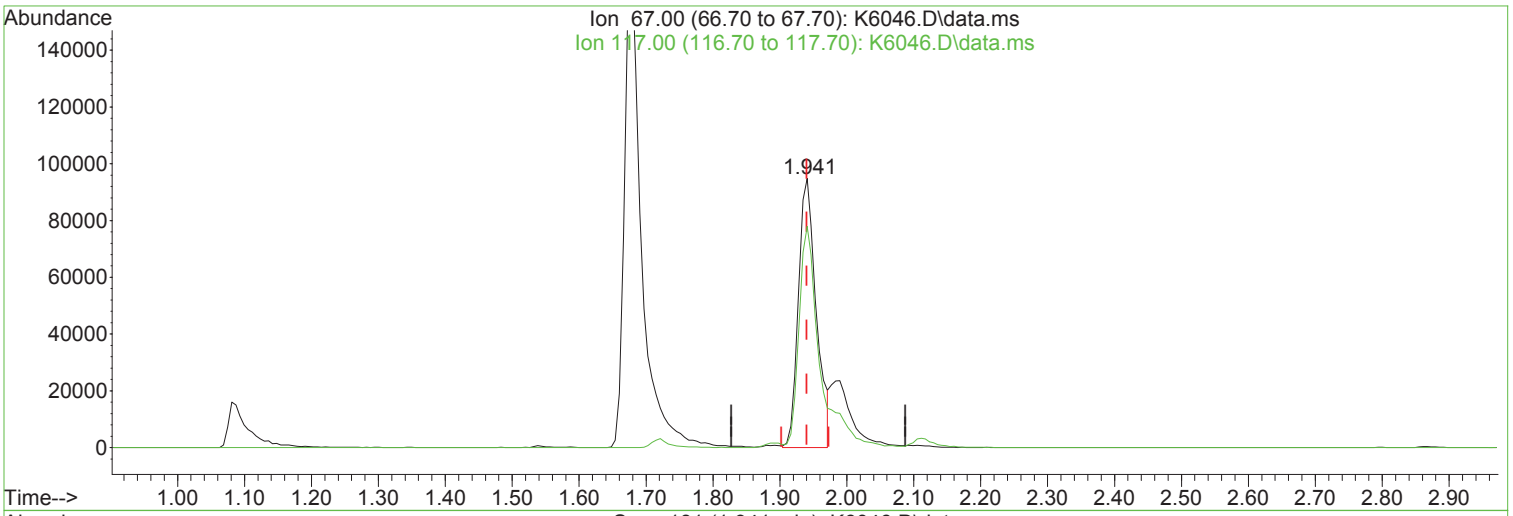
Quant Time: Sep 18 18:56:48 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

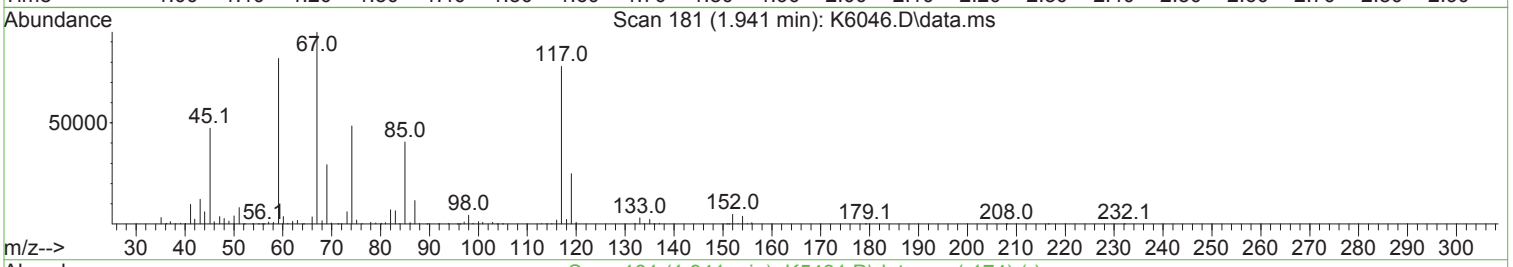


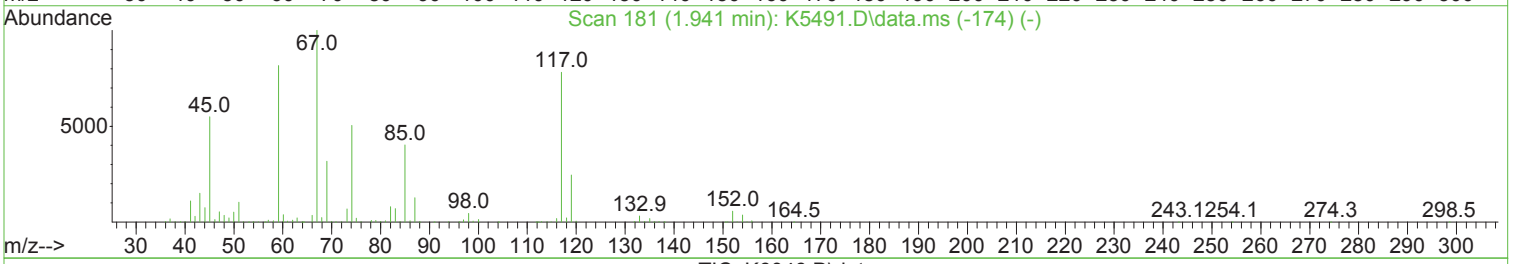
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6046.D
Acq On : 18 Sep 2024 01:37 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 18:56:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6046.D\data.ms

(11) Freon 123a

1.941min (-0.000) 44.60 ug/L m

response 176289

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	78.80	82.20
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

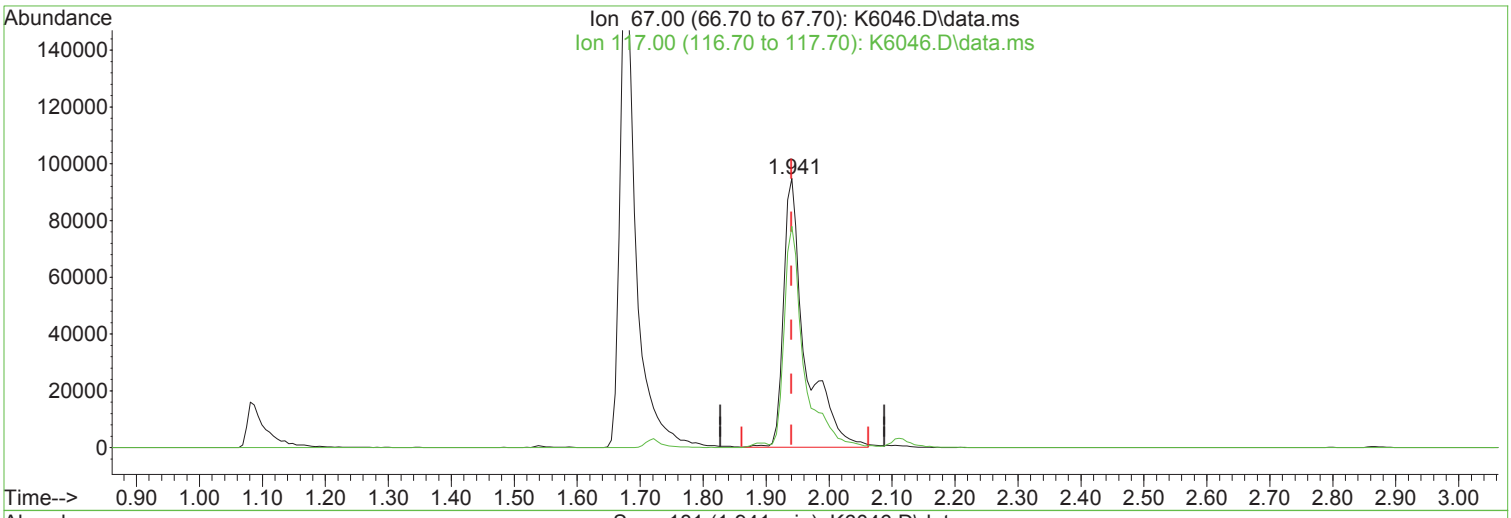
Poor integration.

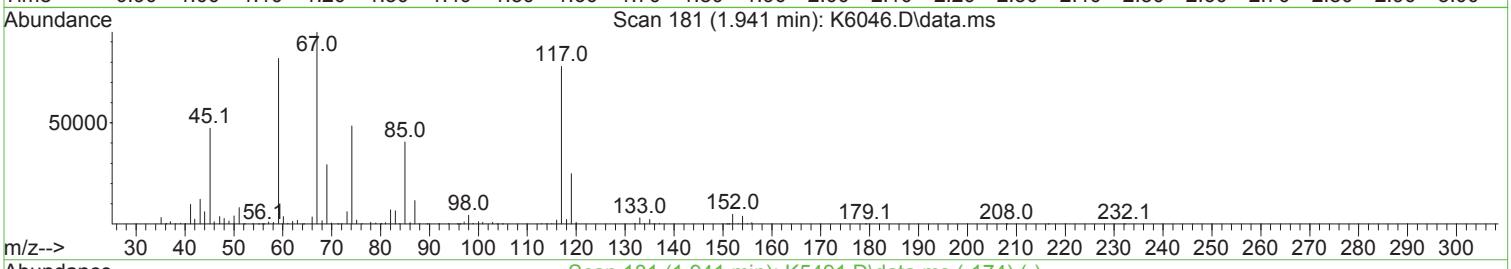
09/19/24

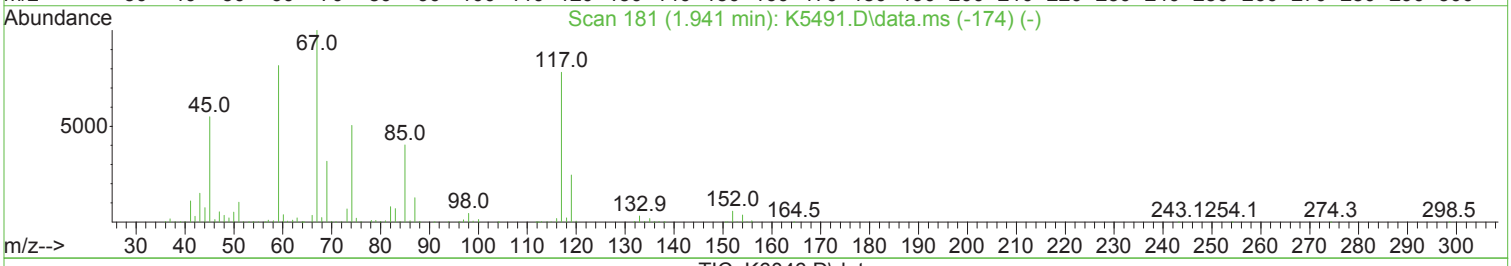
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6046.D
Acq On : 18 Sep 2024 01:37 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 18:56:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6046.D\data.ms

(11) Freon 123a

1.941min (-0.000) 57.58 ug/L

response 227572

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	78.80	82.20
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6046.D
Acq On : 18 Sep 2024 01:37 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 18:56:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.995	168	418883	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.172	114	648377	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.573	117	565240	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	304979	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.830	113	206083	52.55	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 105.10%				
47) surr1,1,2-dichloroetha...	5.416	65	236658	53.02	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.04%				
64) SURR3,Toluene-d8	8.049	98	767711	52.29	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.58%				
69) SURR2,BFB	10.659	95	280125	52.68	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.36%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.081	51	203096	49.657	ug/L		98
3) Dichlorodifluoromethane	1.075	85	185007	53.610	ug/L		95
4) Chloromethane	1.191	50	218985	49.821	ug/L		99
5) Vinyl Chloride	1.264	62	213135	51.275	ug/L		98
6) Bromomethane	1.465	94	115332	48.615	ug/L		98
7) Chloroethane	1.538	64	123961	46.587	ug/L		99
8) Freon 21	1.678	67	306121	48.956	ug/L		99
9) Trichlorofluoromethane	1.721	101	272300	49.777	ug/L		99
10) Diethyl Ether	1.934	59	184077	51.214	ug/L		93
11) Freon 123a	1.941	67	176289m	44.601	ug/L		
12) Freon 123	1.989	83	236342	49.283	ug/L		97
13) Acrolein	2.026	56	288469	260.405	ug/L		99
14) 1,1-Diclethene	2.105	96	165650	48.577	ug/L	#	82
15) Freon 113	2.111	101	172395	51.198	ug/L		97
16) Acetone	2.154	43	82400	50.961	ug/L		88
17) 2-Propanol	2.282	45	307669	1074.391	ug/L		95
18) Iodomethane	2.227	142	278554	52.406	ug/L		92
19) Carbon Disulfide	2.282	76	413552	49.499	ug/L		99
20) Acetonitrile/Allyl Chl...	2.410	41	359736	300.241	ug/L		94
21) Methyl Acetate	2.434	43	163603	51.543	ug/L		94
22) Methylene Chloride	2.520	84	178607	45.868	ug/L		91
23) TBA	2.648	59	577689	1092.983	ug/L		97
24) Acrylonitrile	2.758	53	490937	262.387	ug/L		98
25) Methyl-t-Butyl Ether	2.800	73	533753	50.475	ug/L		100
26) trans-1,2-Dichloroethene	2.788	96	176842	48.325	ug/L		89
27) 1,1-Diclethane	3.245	63	328931	49.628	ug/L		99
28) Vinyl Acetate	3.331	86	43529	52.029	ug/L	#	69
29) DIPE	3.361	45	547413	49.617	ug/L		90
30) 2-Chloro-1,3-Butadiene	3.355	53	299239	50.264	ug/L		87
31) ETBE	3.849	59	615054	49.962	ug/L		95
32) 2,2-Dichloropropane	4.007	77	246374	53.308	ug/L		97
33) cis-1,2-Dichloroethene	4.019	96	194578	49.981	ug/L		90
34) 2-Butanone	4.074	43	106403	51.752	ug/L		91
35) Propionitrile	4.154	54	206105	261.719	ug/L		98
36) Bromochloromethane	4.385	130	138346	49.162	ug/L	#	84
37) Methacrylonitrile	4.404	67	93569	51.759	ug/L		88
38) Tetrahydrofuran	4.477	42	67570	52.515	ug/L		93
39) Chloroform	4.550	83	298320	49.523	ug/L		96
40) 1,1,1-Trichloroethane	4.830	97	274534	56.147	ug/L		96

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6046.D
Acq On : 18 Sep 2024 01:37 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 18:56:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) TAME	5.763	73	492149	49.844 ug/L		94
43) Cyclohexane	4.910	41	147953	49.673 ug/L		96
45) Carbontetrachloride	5.129	117	229256	47.753 ug/L		99
46) 1,1-Dichloropropene	5.147	75	219154	46.923 ug/L		97
48) Benzene	5.495	78	674423	48.521 ug/L		94
49) 1,2-Dichloroethane	5.550	62	260283	48.474 ug/L		97
50) Iso-Butyl Alcohol	5.556	43	208570	1085.059 ug/L		98
51) n-Heptane	6.025	43	242111	48.790 ug/L		90
52) 1-Butanol	6.580	56	390864	3006.948 ug/L		95
53) Trichloroethene	6.507	130	207480	47.585 ug/L		96
54) Methylcyclohexane	6.745	55	273692	48.471 ug/L		95
55) 1,2-Diclpropane	6.806	63	192173	50.681 ug/L		98
56) Dibromomethane	6.952	93	117464	49.710 ug/L		85
57) 1,4-Dioxane	7.031	88	61504	1045.973 ug/L		89
58) Methyl Methacrylate	7.056	69	146753	51.573 ug/L	#	84
59) Bromodichloromethane	7.190	83	220246	50.791 ug/L		98
60) 2-Nitropropane	7.494	41	106087	109.628 ug/L		96
61) 2-Chloroethylvinyl Ether	7.622	63	33343	58.741 ug/L		99
62) cis-1,3-Dichloropropene	7.751	75	273349	51.809 ug/L		99
63) 4-Methyl-2-pentanone	7.976	43	195862	51.088 ug/L		91
65) Toluene	8.122	91	750731	48.203 ug/L		98
66) trans-1,3-Dichloropropene	8.409	75	251308	52.397 ug/L		98
67) Ethyl Methacrylate	8.561	69	268151	53.605 ug/L		86
68) 1,1,2-Trichloroethane	8.598	97	180032	49.789 ug/L		96
71) Tetrachloroethene	8.720	164	158017	45.856 ug/L		94
72) 2-Hexanone	8.909	43	149201	51.718 ug/L		94
73) 1,3-Dichloropropane	8.769	76	282960	47.955 ug/L		89
74) Dibromochloromethane	9.000	129	203014	52.312 ug/L		99
75) N-Butyl Acetate	9.067	43	318917	51.094 ug/L		93
76) 1,2-Dibromoethane	9.092	107	193235	49.126 ug/L		99
77) 3-Chlorobenzotrifluoride	9.628	180	281425	45.711 ug/L		91
78) Chlorobenzene	9.598	112	522130	46.411 ug/L		97
79) 4-Chlorobenzotrifluoride	9.683	180	253836	46.817 ug/L		94
80) 1,1,1,2-Tetrachloroethane	9.689	131	199628	50.346 ug/L		98
81) Ethylbenzene	9.726	106	272828	47.267 ug/L		95
82) (m+p)Xylene	9.836	106	675500	94.854 ug/L		96
83) o-Xylene	10.201	106	330161	47.162 ug/L		97
84) Styrene	10.213	104	573400	49.843 ug/L		96
85) Bromoform	10.366	173	125965	55.232 ug/L		97
86) 2-Chlorobenzotrifluoride	10.451	180	270486	46.767 ug/L		92
87) Isopropylbenzene	10.537	105	801223	47.787 ug/L		97
88) Cyclohexanone	10.604	55	1038723	1061.702 ug/L		92
89) trans-1,4-Dichloro-2-B...	10.860	53	77857	53.892 ug/L		87
91) 1,1,2,2-Tetrachloroethane	10.811	83	246152	46.744 ug/L		98
92) Bromobenzene	10.780	156	226613	46.443 ug/L	#	89
93) 1,2,3-Trichloropropane	10.835	110	83110	44.974 ug/L		95
94) n-Propylbenzene	10.896	91	972205	46.279 ug/L		96
95) 2-Chlorotoluene	10.957	91	574148	46.057 ug/L		95
96) 3-Chlorotoluene	11.012	91	594274	45.938 ug/L		94
97) 4-Chlorotoluene	11.049	91	672274	45.997 ug/L		99
98) 1,3,5-Trimethylbenzene	11.055	105	725879	45.517 ug/L		96
99) tert-Butylbenzene	11.323	119	637488	45.041 ug/L		99
100) 1,2,4-Trimethylbenzene	11.366	105	725409	45.918 ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.433	214	195120	43.553 ug/L		97
102) sec-Butylbenzene	11.506	105	920097	46.098 ug/L		97
103) p-Isopropyltoluene	11.634	119	805361	47.005 ug/L		97

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6046.D
Acq On : 18 Sep 2024 01:37 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

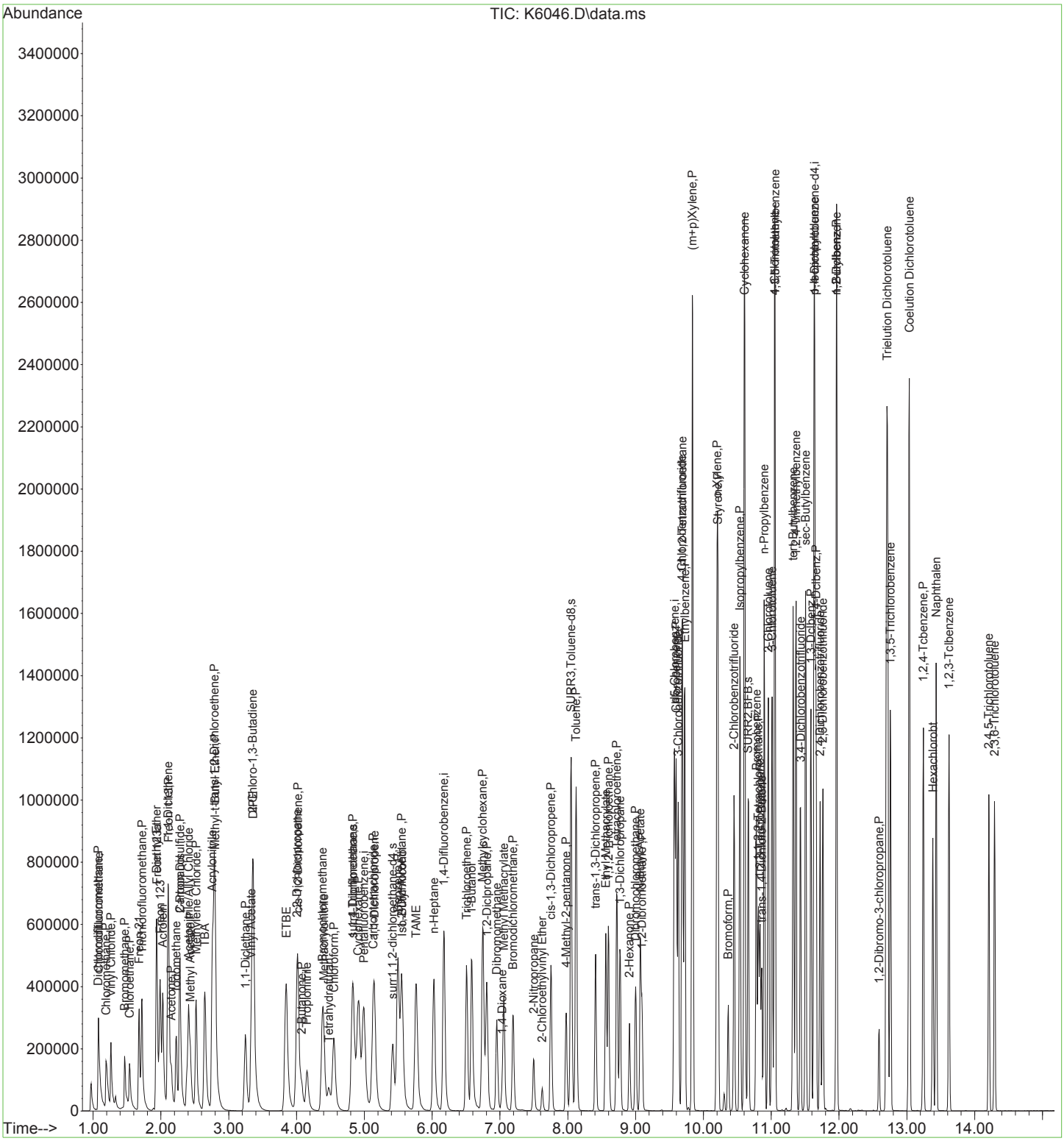
Quant Time: Sep 18 18:56:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	429627	45.415	ug/L	98
105) 1,4-Dclbenz	11.658	146	434843	45.950	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.719	214	178966	45.247	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.762	214	198187	44.760	ug/L	98
108) n-Butylbenzene	11.963	91	676997	47.200	ug/L	98
109) 1,2-Dclbenz	11.963	146	420226	45.714	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.591	157	63666	54.339	ug/L	90
111) Trielution Dichlorotol...	12.707	125	1188697	138.274	ug/L	96
112) 1,3,5-Trichlorobenzene	12.756	180	306654	46.166	ug/L	99
113) Coelution Dichlorotoluene	13.036	125	839534	94.887	ug/L	97
114) 1,2,4-Tcbenzene	13.243	180	296809	47.534	ug/L	96
115) Hexachlorobt	13.384	225	123948	47.629	ug/L	98
116) Naphthalen	13.432	128	858940	51.420	ug/L	98
117) 1,2,3-Tclbenzene	13.621	180	281001	47.839	ug/L	97
118) 2,4,5-Trichlorotoluene	14.207	159	222654	51.916	ug/L	96
119) 2,3,6-Trichlorotoluene	14.292	159	197940	51.923	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6046.D
Acq On : 18 Sep 2024 01:37 pm
Operator : K.Ruest
Sample : 50ppb
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

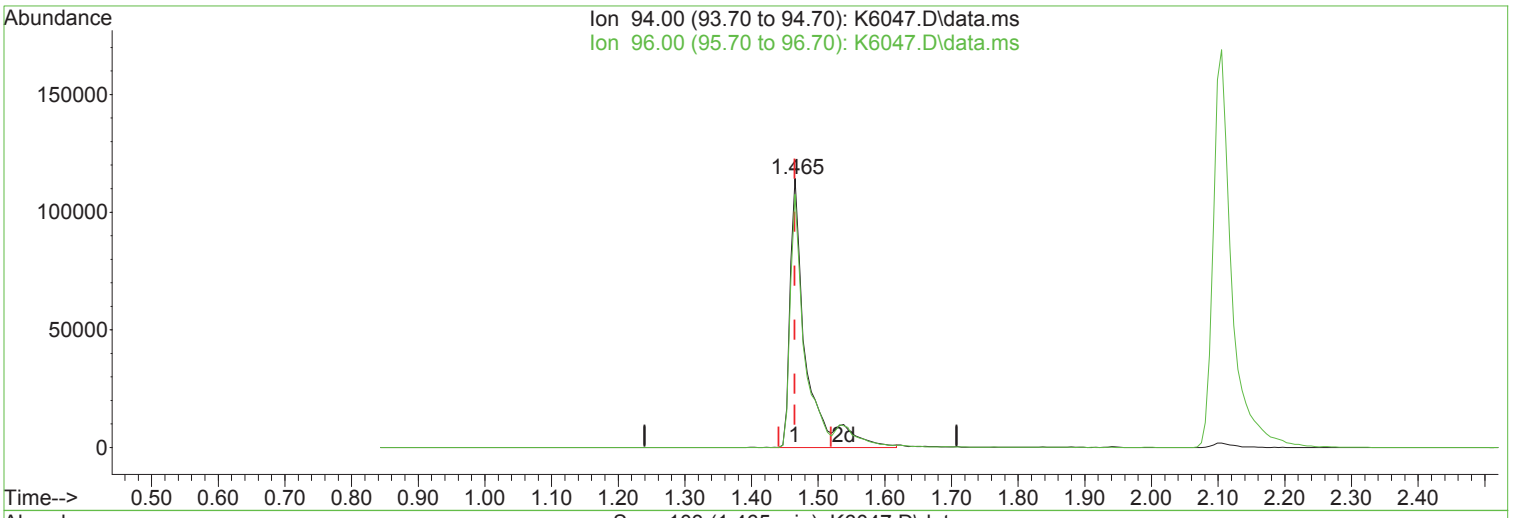
Quant Time: Sep 18 18:56:53 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

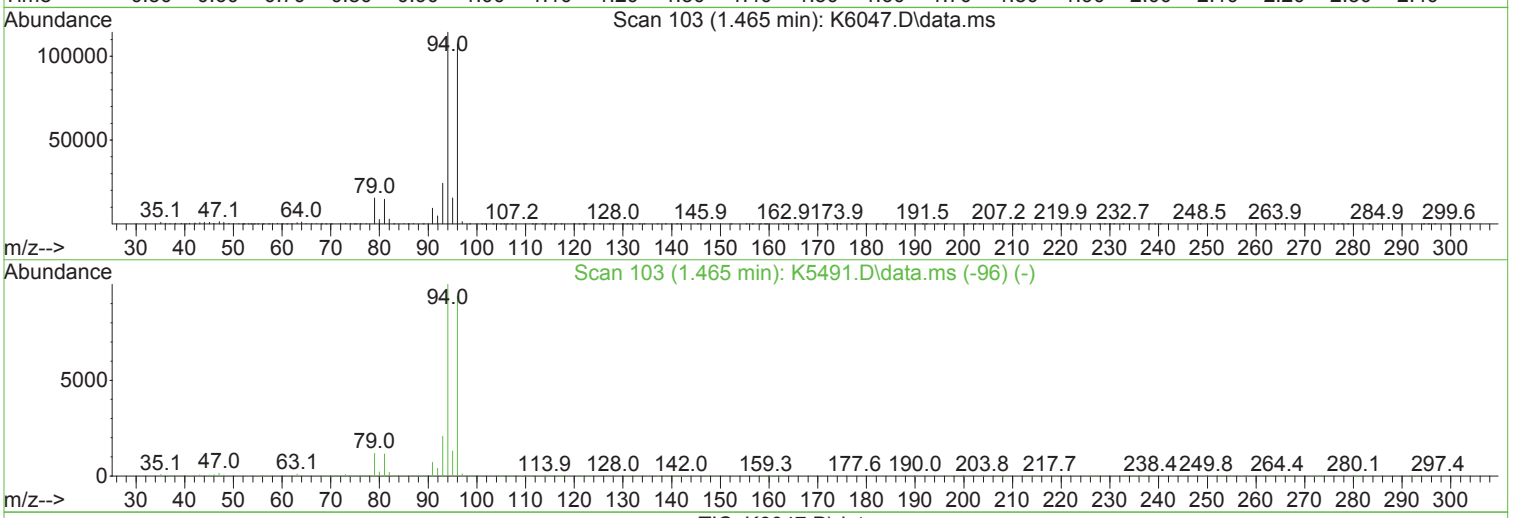


Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6047.D
Acq On : 18 Sep 2024 02:00 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 18:56:59 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration





TIC: K6047.D\data.ms

(6) Bromomethane (P)

1.465min (+ 0.000) 79.81 ug/L m

response 190321

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.80	94.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

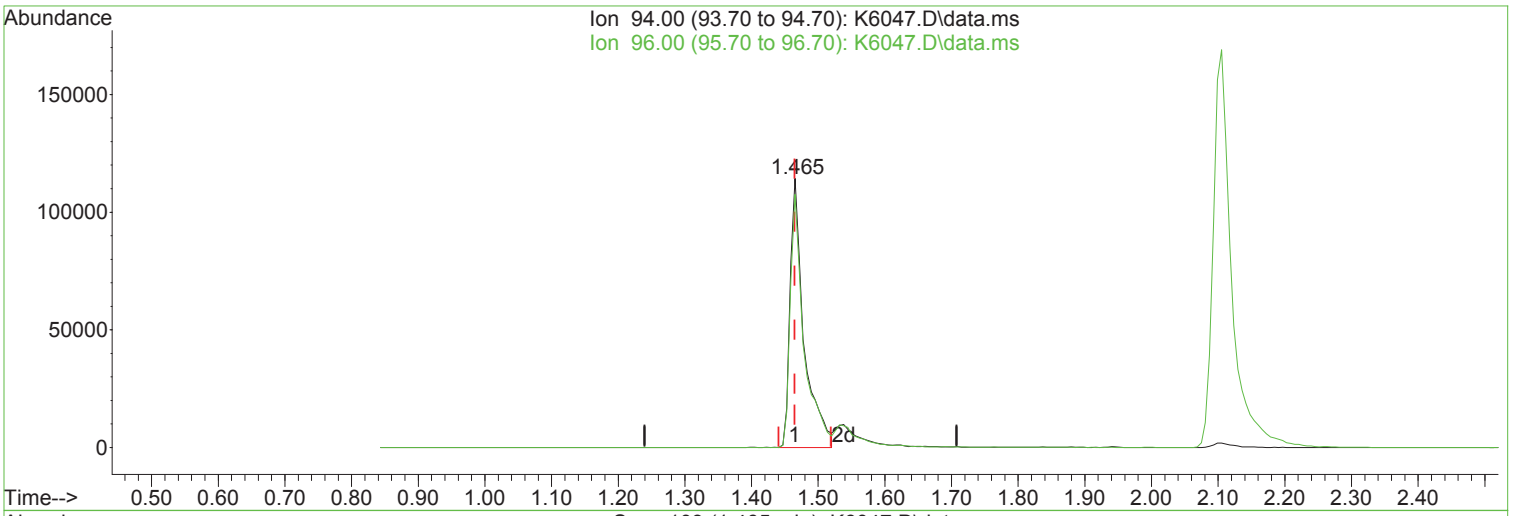
Split Peak.

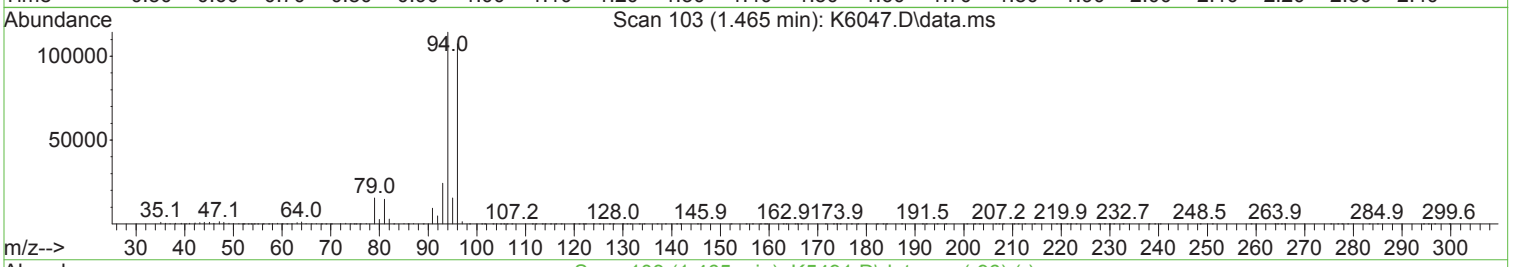
09/19/24

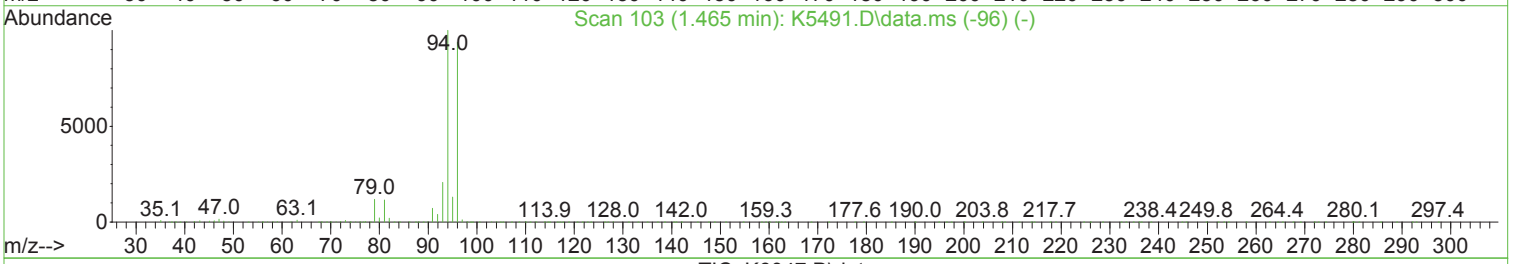
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6047.D
Acq On : 18 Sep 2024 02:00 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 18:56:59 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6047.D\data.ms

(6) Bromomethane (P)

1.465min (+ 0.000) 69.53 ug/L

response 165792

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.80	94.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/19/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6047.D
Acq On : 18 Sep 2024 02:00 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 18:56:59 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	421038	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	637559	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	557402	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	299689	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	399781	103.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 207.34%#			
47) surr1,1,2-dichloroetha...	5.416	65	447999	102.07	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 204.14%#			
64) SURR3,Toluene-d8	8.049	98	1475869	102.22	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 204.44%#			
69) SURR2,BFB	10.665	95	532338	101.81	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 203.62%#			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	416248	101.252	ug/L	97
3) Dichlorodifluoromethane	1.075	85	380605	109.724	ug/L	97
4) Chloromethane	1.191	50	438392	99.227	ug/L	96
5) Vinyl Chloride	1.264	62	422742	101.180	ug/L	99
6) Bromomethane	1.465	94	190321m	79.814	ug/L	
7) Chloroethane	1.532	64	248010	92.730	ug/L	97
8) Freon 21	1.672	67	623510	99.203	ug/L	100
9) Trichlorofluoromethane	1.715	101	551677	100.332	ug/L	99
10) Diethyl Ether	1.935	59	356443	98.661	ug/L	94
11) Freon 123a	1.941	67	353568	88.994	ug/L	94
12) Freon 123	1.989	83	484531	100.520	ug/L	99
13) Acrolein	2.026	56	564043	506.564	ug/L	98
14) 1,1-Diclethene	2.105	96	326188	95.164	ug/L #	86
15) Freon 113	2.111	101	341020	100.757	ug/L	94
16) Acetone	2.154	43	158968	97.813	ug/L	89
17) 2-Propanol	2.288	45	576455	2002.698	ug/L	99
18) Iodomethane	2.221	142	581935	108.922	ug/L	91
19) Carbon Disulfide	2.276	76	891046	106.106	ug/L	100
20) Acetonitrile/Allyl Chl...	2.404	41	700585	581.726	ug/L	95
21) Methyl Acetate	2.434	43	314764	98.658	ug/L	96
22) Methylene Chloride	2.520	84	344105	87.917	ug/L #	88
23) TBA	2.654	59	1044193	1965.493	ug/L	98
24) Acrylonitrile	2.758	53	931961	495.547	ug/L	99
25) Methyl-t-Butyl Ether	2.794	73	1031629	97.058	ug/L	98
26) trans-1,2-Dichloroethene	2.782	96	352385	95.802	ug/L	90
27) 1,1-Diclethane	3.245	63	641090	96.231	ug/L	99
28) Vinyl Acetate	3.331	86	89031	105.872	ug/L #	77
29) DIPE	3.361	45	1086570	97.982	ug/L	90
30) 2-Chloro-1,3-Butadiene	3.355	53	617226	103.146	ug/L	86
31) ETBE	3.843	59	1233138	99.658	ug/L	96
32) 2,2-Dichloropropane	4.007	77	496991	106.984	ug/L	97
33) cis-1,2-Dichloroethene	4.019	96	390241	99.727	ug/L	88
34) 2-Butanone	4.074	43	205702	99.538	ug/L	86
35) Propionitrile	4.160	54	385128	486.545	ug/L	100
36) Bromochloromethane	4.379	130	273050	96.533	ug/L #	87
37) Methacrylonitrile	4.397	67	177507	97.687	ug/L	87
38) Tetrahydrofuran	4.477	42	124336	96.139	ug/L	95
39) Chloroform	4.550	83	589609	97.377	ug/L	96
40) 1,1,1-Trichloroethane	4.830	97	543100	110.505	ug/L	95

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6047.D
Acq On : 18 Sep 2024 02:00 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 18:56:59 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.763	73	986504	99.399	ug/L		93
43) Cyclohexane	4.910	41	299799	102.361	ug/L		98
45) Carbontetrachloride	5.129	117	467029	98.931	ug/L		99
46) 1,1-Dichloropropene	5.147	75	437309	95.222	ug/L		96
48) Benzene	5.495	78	1322086	96.730	ug/L		94
49) 1,2-Dichloroethane	5.550	62	506857	95.996	ug/L		98
50) Iso-Butyl Alcohol	5.568	43	386406	2044.337	ug/L		95
51) n-Heptane	6.025	43	484049	99.200	ug/L		92
52) 1-Butanol	6.592	56	739531	5785.806	ug/L		89
53) Trichloroethene	6.507	130	417461	97.369	ug/L		94
54) Methylcyclohexane	6.745	55	565482	101.846	ug/L		88
55) 1,2-Diclpropane	6.806	63	373674	100.221	ug/L		98
56) Dibromomethane	6.952	93	228223	98.221	ug/L		85
57) 1,4-Dioxane	7.031	88	113351	1960.423	ug/L		96
58) Methyl Methacrylate	7.056	69	278877	99.668	ug/L	#	81
59) Bromodichloromethane	7.190	83	440653	103.344	ug/L		98
60) 2-Nitropropane	7.494	41	202823	213.149	ug/L		99
61) 2-Chloroethylvinyl Ether	7.622	63	35319	63.277	ug/L		90
62) cis-1,3-Dichloropropene	7.751	75	542838	104.632	ug/L		97
63) 4-Methyl-2-pentanone	7.976	43	386723	102.584	ug/L		90
65) Toluene	8.122	91	1482947	96.832	ug/L		99
66) trans-1,3-Dichloropropene	8.409	75	502188	106.482	ug/L		96
67) Ethyl Methacrylate	8.561	69	512857	104.262	ug/L		88
68) 1,1,2-Trichloroethane	8.598	97	344748	96.961	ug/L		97
71) Tetrachloroethene	8.726	164	315888	92.959	ug/L		96
72) 2-Hexanone	8.909	43	287963	101.221	ug/L		93
73) 1,3-Dichloropropane	8.769	76	546881	93.986	ug/L		90
74) Dibromochloromethane	9.000	129	405507	105.960	ug/L		99
75) N-Butyl Acetate	9.067	43	615105	99.933	ug/L		92
76) 1,2-Dibromoethane	9.092	107	374749	96.612	ug/L		98
77) 3-Chlorobenzotrifluoride	9.628	180	585758	96.481	ug/L		92
78) Chlorobenzene	9.598	112	1041694	93.895	ug/L		95
79) 4-Chlorobenzotrifluoride	9.683	180	524283	98.058	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.689	131	399862	102.264	ug/L		98
81) Ethylbenzene	9.726	106	533884	93.795	ug/L		95
82) (m+p)Xylene	9.842	106	1334336	190.003	ug/L		92
83) o-Xylene	10.201	106	658865	95.439	ug/L		98
84) Styrene	10.214	104	1127286	99.368	ug/L		97
85) Bromoform	10.366	173	258247	114.826	ug/L		100
86) 2-Chlorobenzotrifluoride	10.451	180	552708	96.906	ug/L		95
87) Isopropylbenzene	10.537	105	1579894	95.554	ug/L		98
88) Cyclohexanone	10.610	55	1869981	1938.226	ug/L		92
89) trans-1,4-Dichloro-2-B...	10.860	53	153603	107.818	ug/L		85
91) 1,1,2,2-Tetrachloroethane	10.811	83	472513	91.313	ug/L		97
92) Bromobenzene	10.780	156	446966	93.221	ug/L		93
93) 1,2,3-Trichloropropane	10.835	110	161779	89.091	ug/L		98
94) n-Propylbenzene	10.896	91	1902513	92.161	ug/L		97
95) 2-Chlorotoluene	10.957	91	1142680	93.282	ug/L		97
96) 3-Chlorotoluene	11.012	91	1195179	94.020	ug/L		95
97) 4-Chlorotoluene	11.055	91	1305707	90.914	ug/L		96
98) 1,3,5-Trimethylbenzene	11.055	105	1422884	90.797	ug/L		96
99) tert-Butylbenzene	11.323	119	1268151	91.181	ug/L		99
100) 1,2,4-Trimethylbenzene	11.366	105	1452868	93.590	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.433	214	415362	94.351	ug/L		96
102) sec-Butylbenzene	11.506	105	1815605	92.569	ug/L		98
103) p-Isopropyltoluene	11.634	119	1601289	95.109	ug/L		98

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6047.D
Acq On : 18 Sep 2024 02:00 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

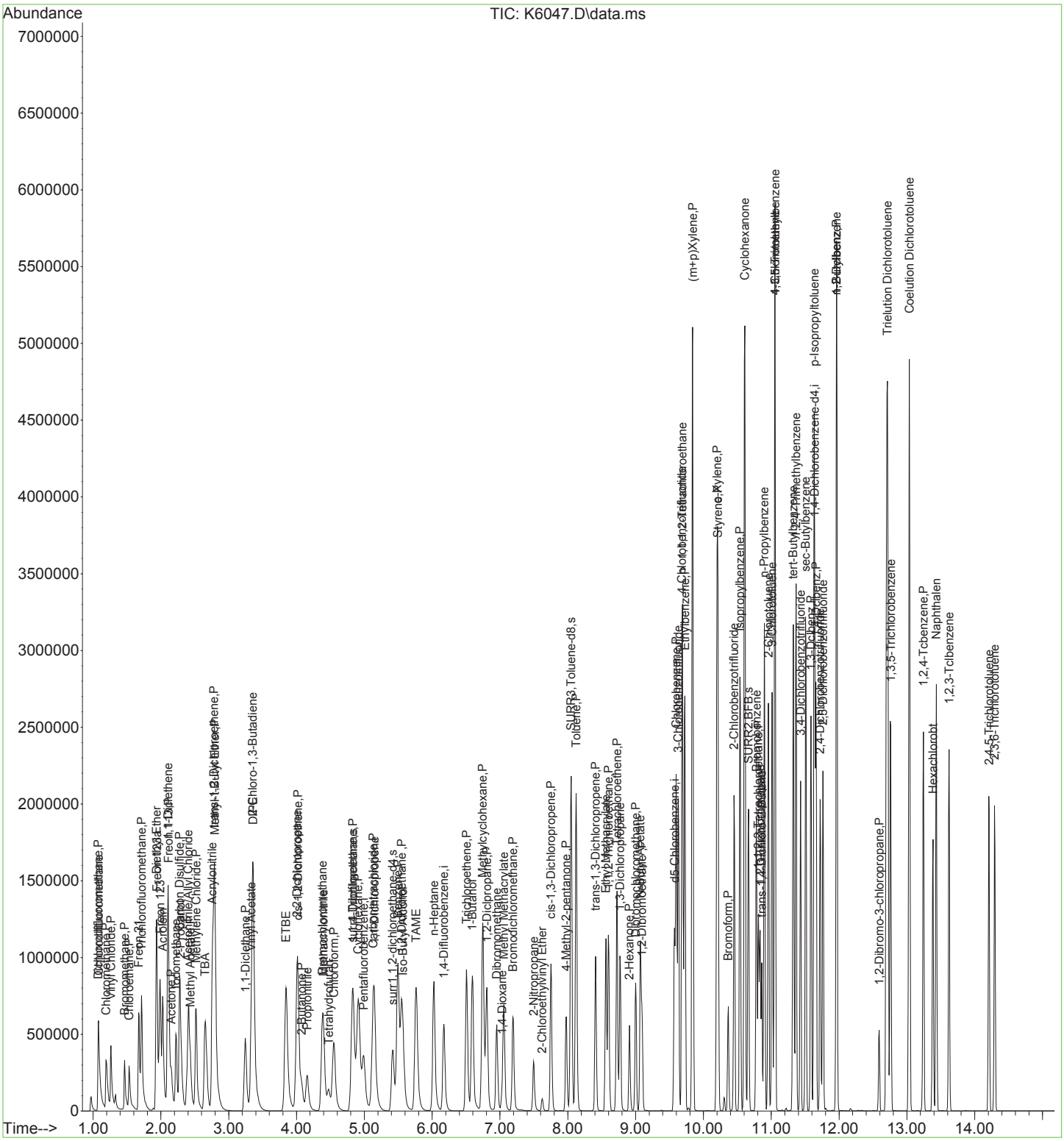
Quant Time: Sep 18 18:56:59 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	849531	91.387	ug/L	98
105) 1,4-Dclbenz	11.658	146	858053	92.271	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.719	214	374930	96.464	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.762	214	412982	94.917	ug/L	96
108) n-Butylbenzene	11.963	91	1355886	96.201	ug/L	98
109) 1,2-Dclbenz	11.963	146	834652	92.400	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.591	157	127987	111.165	ug/L	90
111) Trielution Dichlorotol...	12.713	125	2474775	292.958	ug/L	97
112) 1,3,5-Trichlorobenzene	12.762	180	628194	96.243	ug/L	96
113) Coelution Dichlorotoluene	13.036	125	1751572	201.464	ug/L	97
114) 1,2,4-Tcbenzene	13.243	180	594590	96.904	ug/L	98
115) Hexachlorobt	13.384	225	251271	98.258	ug/L	98
116) Naphthalen	13.432	128	1686944	102.771	ug/L	98
117) 1,2,3-Tclbenzene	13.621	180	565706	98.009	ug/L	97
118) 2,4,5-Trichlorotoluene	14.213	159	464169	110.140	ug/L	94
119) 2,3,6-Trichlorotoluene	14.292	159	401576	107.199	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6047.D
Acq On : 18 Sep 2024 02:00 pm
Operator : K.Ruest
Sample : 100ppb
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

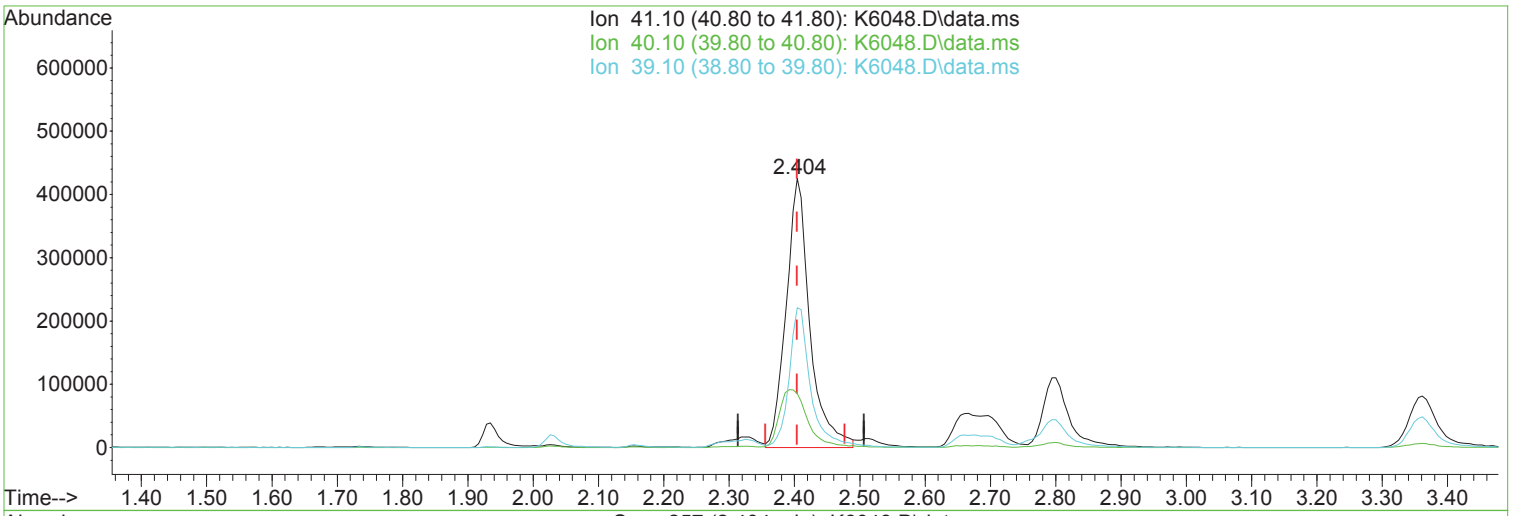
Quant Time: Sep 18 18:56:59 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

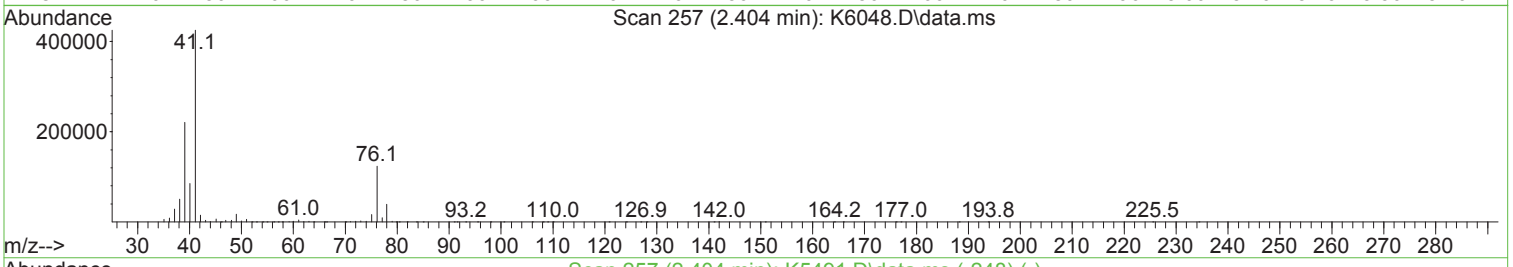


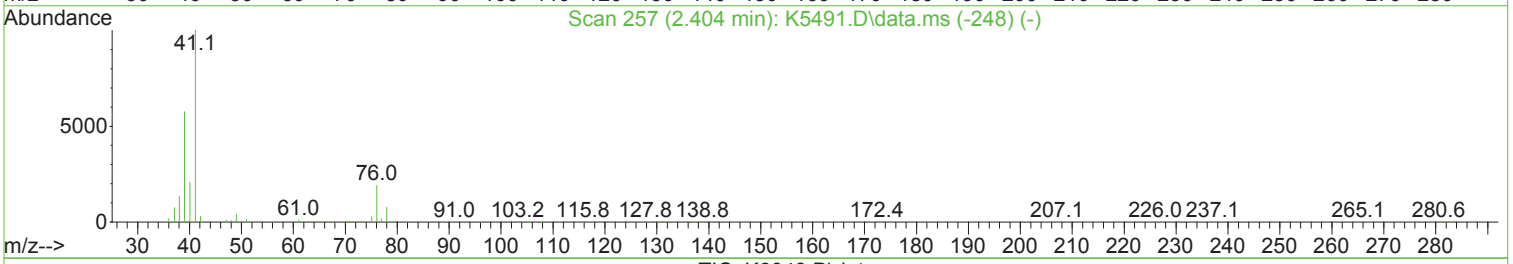
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6048.D\data.ms

(20) Acetonitrile/Allyl Chloride

2.404min (-0.000) 895.10 ug/L m

response 1072122

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	20.90	20.05
39.10	57.60	51.96
0.00	0.00	0.00

Manual Integration:

After

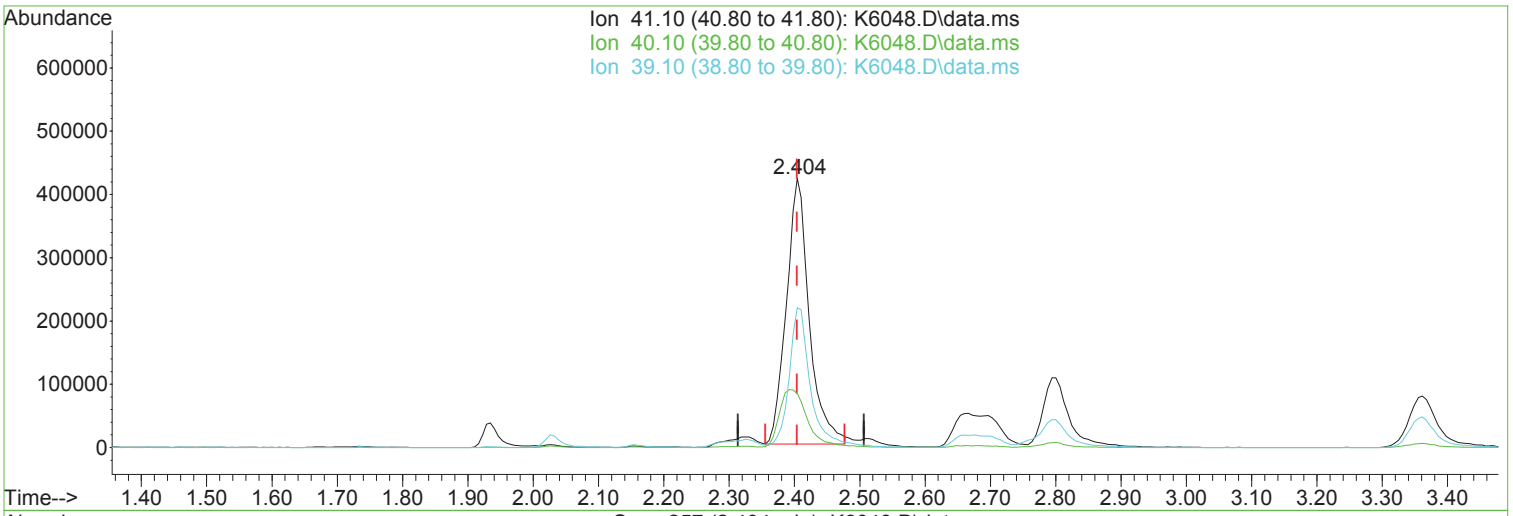
Poor integration.

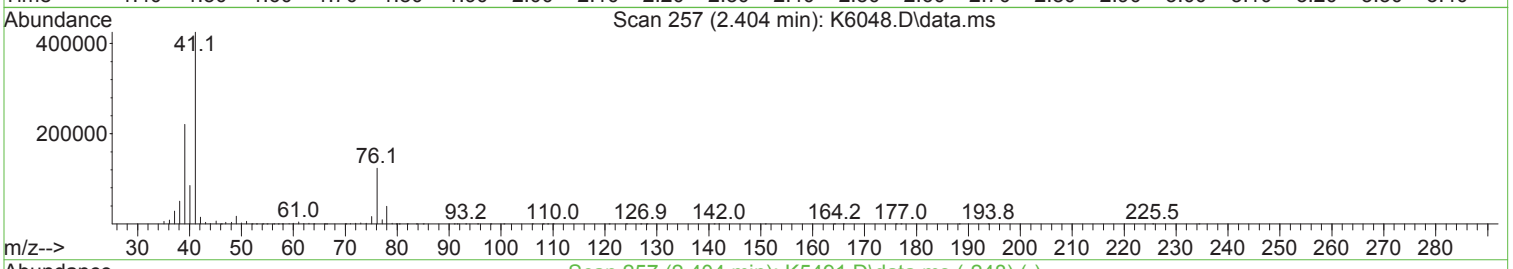
09/19/24

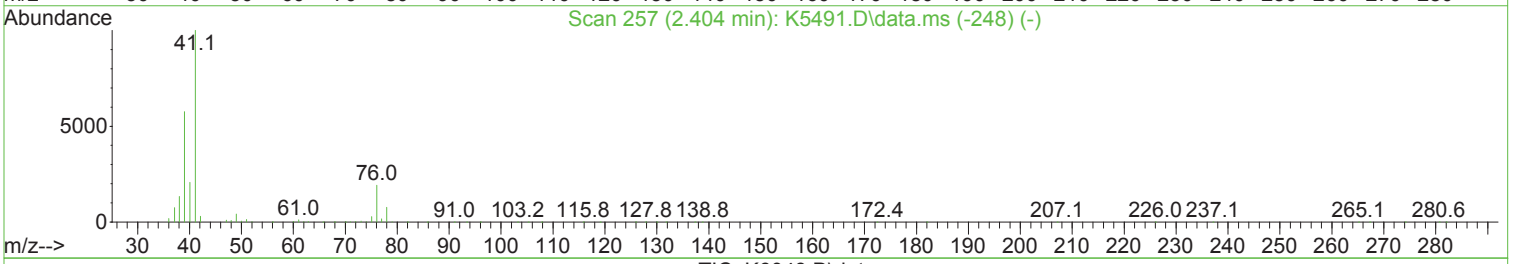
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6048.D\data.ms

(20) Acetonitrile/Allyl Chloride

2.404min (-0.000) 852.37 ug/L

response 1020938

Ion	Exp%	Act%
41.10	100.00	100.00
40.10	20.90	20.05
39.10	57.60	51.96
0.00	0.00	0.00

Manual Integration:

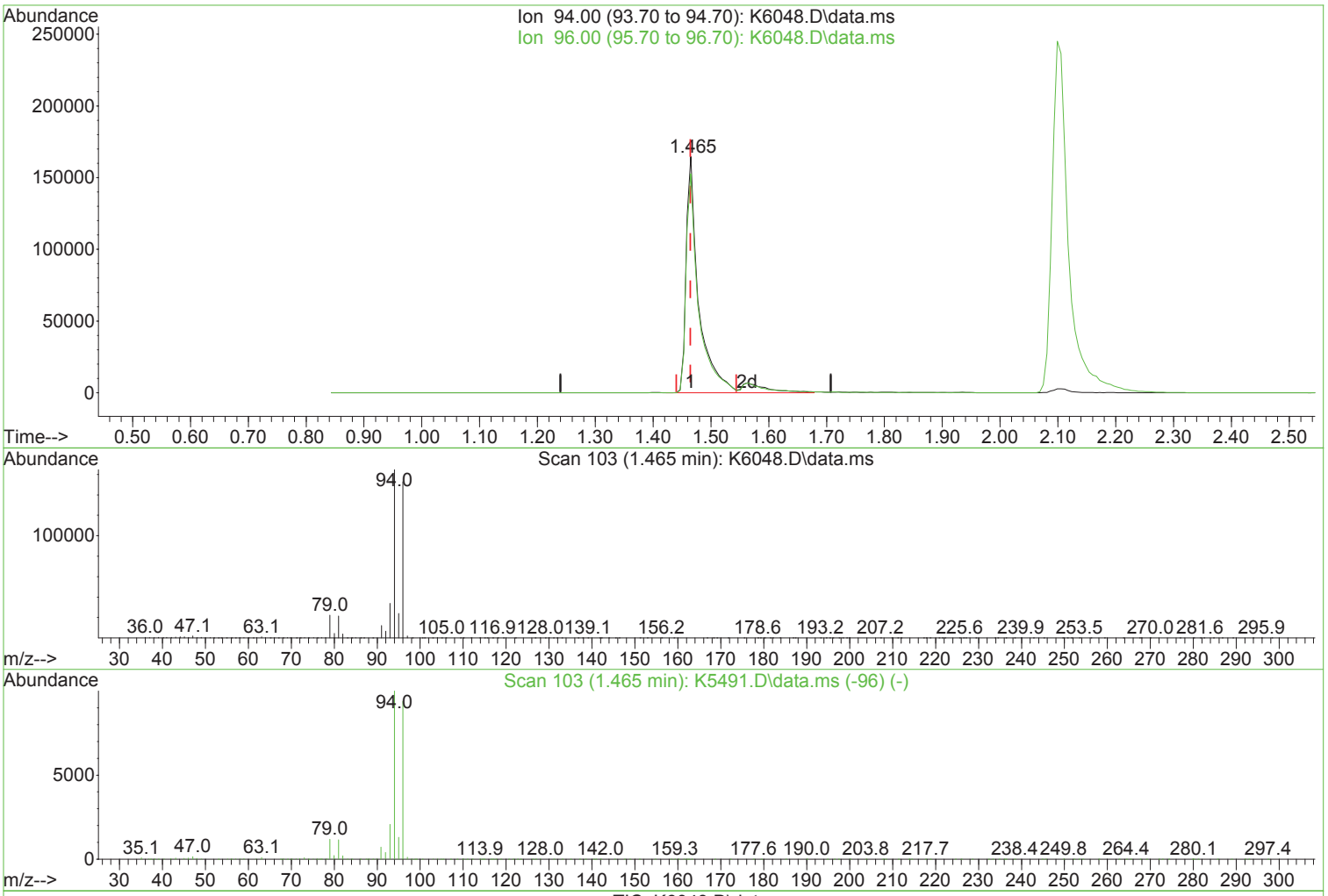
Before

09/19/24

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



TIC: K6048.D\data.ms

(6) Bromomethane (P)

1.465min (+ 0.000) 112.52 ug/L m

response 266855

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.80	92.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

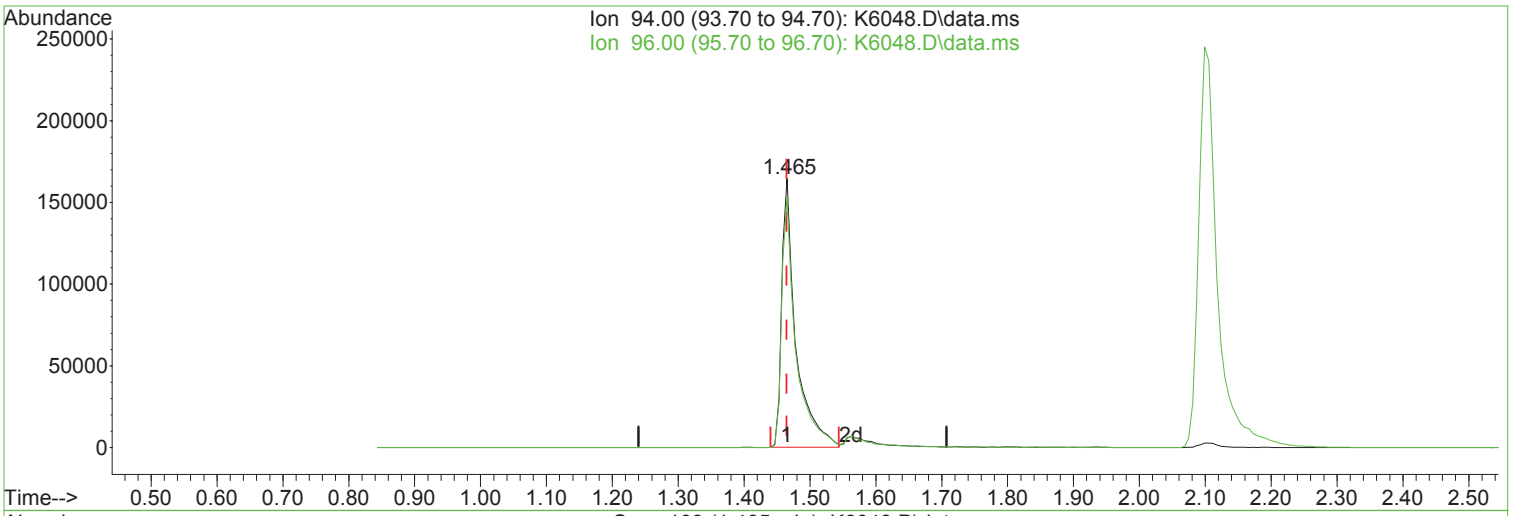
Poor integration.

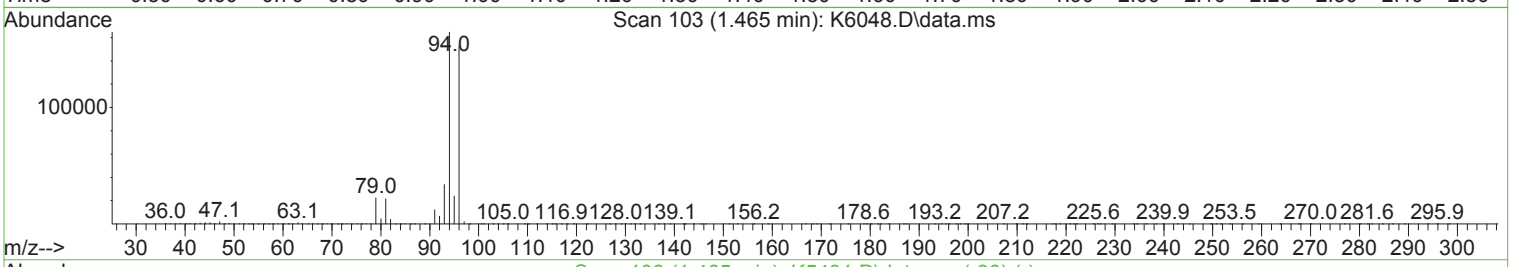
09/19/24

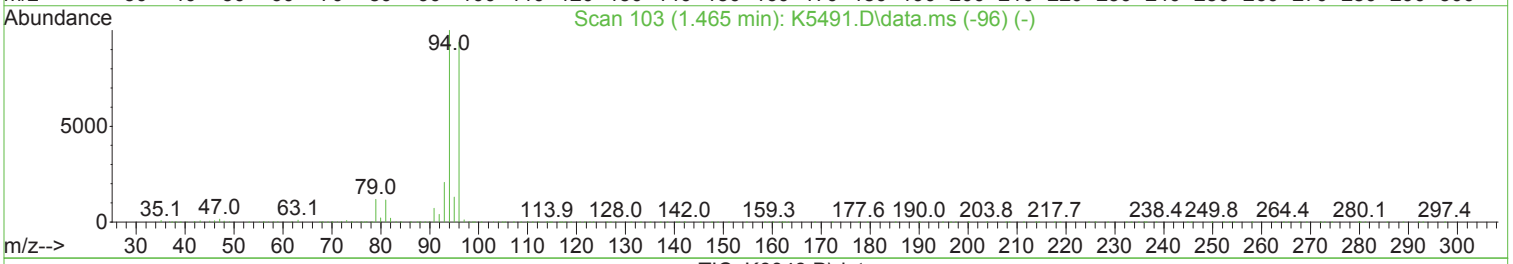
1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6048.D\data.ms

(6) Bromomethane (P)

1.465min (+ 0.000) 103.28 ug/L

response 244931

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	93.80	92.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

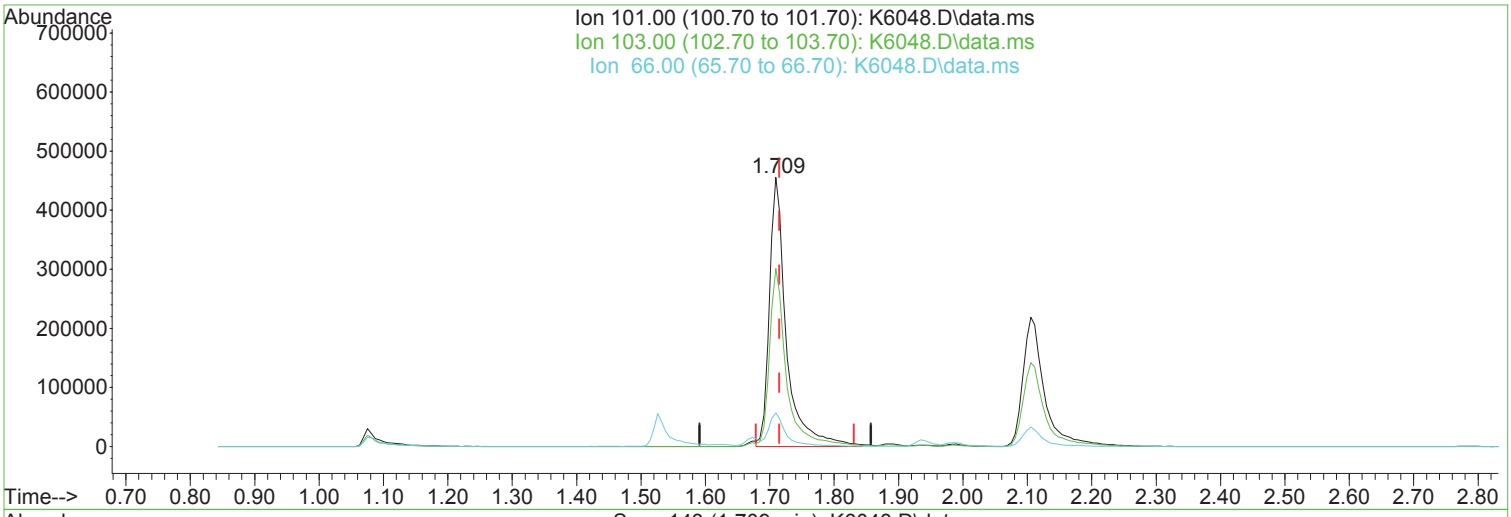
Before

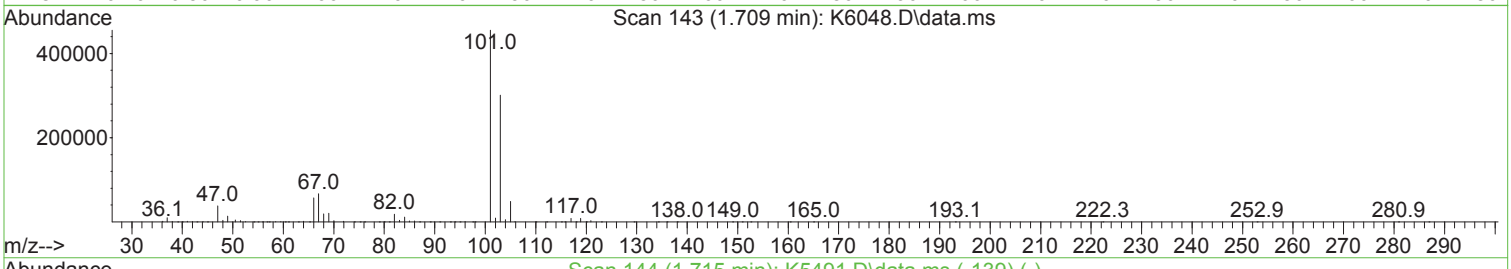
09/19/24

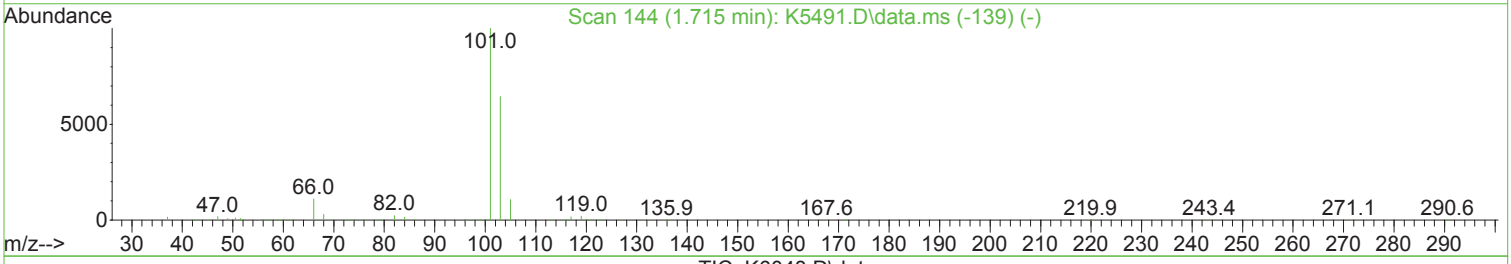
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration







TIC: K6048.D\data.ms

(9) Trichlorofluoromethane (P)

1.709min (-0.006) 153.00 ug/L m

response 836713

Ion	Exp%	Act%
101.00	100.00	100.00
103.00	64.40	66.10
66.00	13.40	12.45
0.00	0.00	0.00

Manual Integration:

After

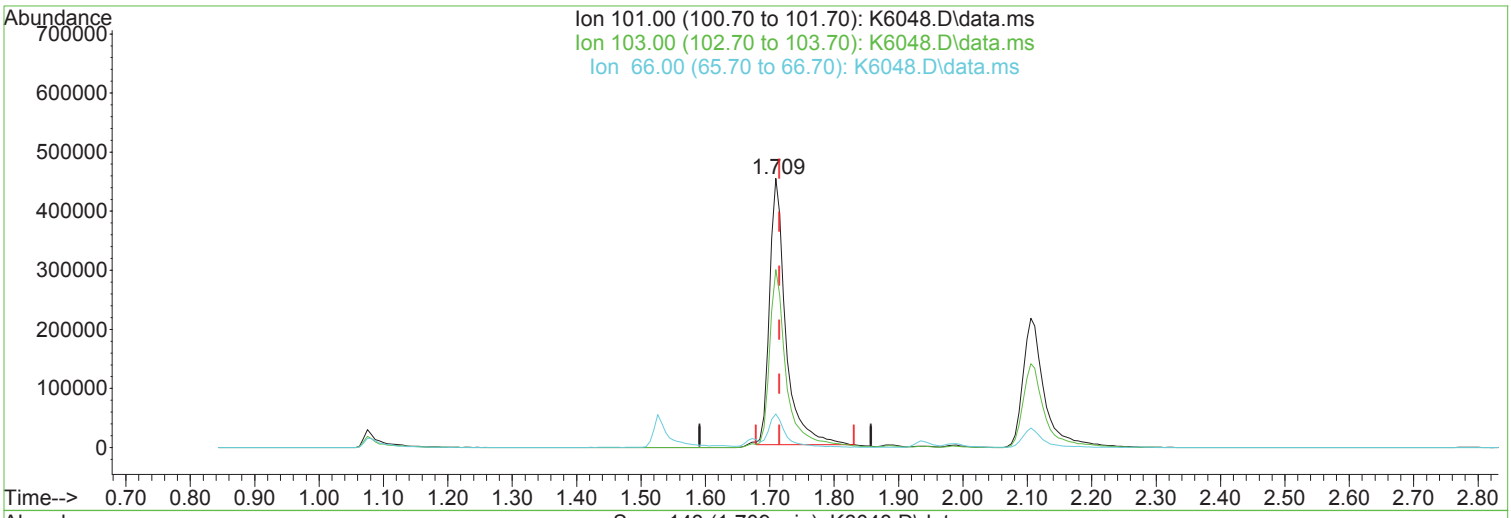
Poor integration.

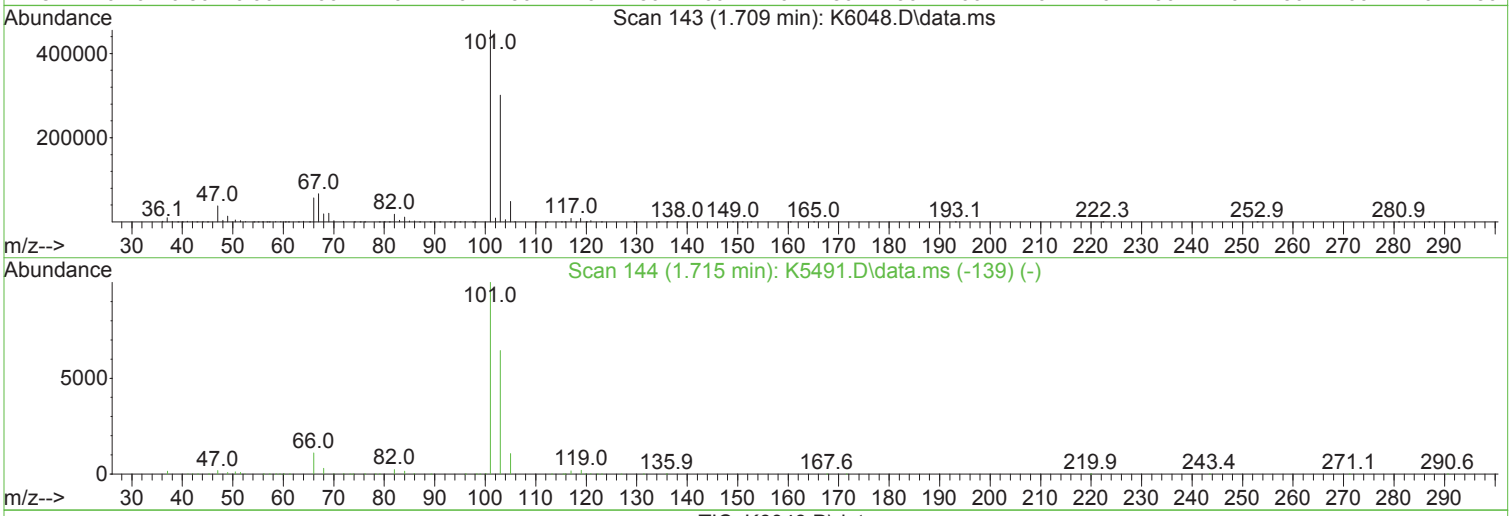
09/19/24

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration





TIC: K6048.D\data.ms

(9) Trichlorofluoromethane (P)

1.709min (-0.006) 144.31 ug/L

response 789194

Ion	Exp%	Act%
101.00	100.00	100.00
103.00	64.40	66.10
66.00	13.40	12.45
0.00	0.00	0.00

Manual Integration:

Before

09/19/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.989	168	418747	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.172	114	650361	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.573	117	577876	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	312598	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.830	113	769976	195.74	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 391.48%#				
47) surr1,1,2-dichloroetha...	5.416	65	864291	193.03	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 386.06%#				
64) SURR3,Toluene-d8	8.049	98	2790431	189.47	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 378.94%#				
69) SURR2,BFB	10.665	95	1038661	194.73	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 389.46%#				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.081	51	622916	152.353	ug/L		97
3) Dichlorodifluoromethane	1.075	85	556235	161.233	ug/L		96
4) Chloromethane	1.191	50	642988	146.333	ug/L		98
5) Vinyl Chloride	1.264	62	634026	152.580	ug/L		98
6) Bromomethane	1.465	94	266855m	112.523	ug/L		
7) Chloroethane	1.526	64	313716	117.939	ug/L		97
8) Freon 21	1.672	67	929502	148.697	ug/L		99
9) Trichlorofluoromethane	1.709	101	836713m	153.003	ug/L		
10) Diethyl Ether	1.935	59	525689	146.304	ug/L		94
11) Freon 123a	1.935	67	534848	135.360	ug/L		99
12) Freon 123	1.989	83	732641	152.824	ug/L		98
13) Acrolein	2.026	56	811300	732.610	ug/L		100
14) 1,1-Diclethene	2.099	96	488157	143.198	ug/L	#	88
15) Freon 113	2.105	101	506982	150.612	ug/L		96
16) Acetone	2.154	43	223225	138.101	ug/L		90
17) 2-Propanol	2.325	45	844118	2948.647	ug/L		95
18) Iodomethane	2.221	142	828042	155.835	ug/L		92
19) Carbon Disulfide	2.276	76	1302060	155.898	ug/L		100
20) Acetonitrile/Allyl Chl...	2.404	41	1072122m	895.100	ug/L		
21) Methyl Acetate	2.435	43	466530	147.027	ug/L		95
22) Methylene Chloride	2.520	84	508360	130.594	ug/L	#	88
23) TBA	2.666	59	1487258	2814.795	ug/L		96
24) Acrylonitrile	2.764	53	1337989	715.335	ug/L		100
25) Methyl-t-Butyl Ether	2.794	73	1519765	143.765	ug/L		98
26) trans-1,2-Dichloroethene	2.782	96	516107	141.080	ug/L		91
27) 1,1-Diclethane	3.245	63	963319	145.390	ug/L		99
28) Vinyl Acetate	3.337	86	136492	163.199	ug/L	#	72
29) DIPE	3.361	45	1645110	149.161	ug/L		89
30) 2-Chloro-1,3-Butadiene	3.355	53	895504	150.469	ug/L		86
31) ETBE	3.849	59	1870347	151.982	ug/L		95
32) 2,2-Dichloropropane	4.007	77	748478	162.002	ug/L		97
33) cis-1,2-Dichloroethene	4.013	96	577552	148.403	ug/L		87
34) 2-Butanone	4.074	43	295480	143.763	ug/L		93
35) Propionitrile	4.160	54	548076	696.191	ug/L		100
36) Bromochloromethane	4.379	130	406111	144.360	ug/L	#	85
37) Methacrylonitrile	4.398	67	262244	145.110	ug/L	#	84
38) Tetrahydrofuran	4.477	42	180677	140.467	ug/L		87
39) Chloroform	4.550	83	877236	145.673	ug/L		96
40) 1,1,1-Trichloroethane	4.824	97	814558	166.645	ug/L		96

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) TAME	5.763	73	1491411	151.096	ug/L		94
43) Cyclohexane	4.910	41	451630	151.165	ug/L		96
45) Carbontetrachloride	5.129	117	716778	148.847	ug/L		99
46) 1,1-Dichloropropene	5.147	75	646355	137.970	ug/L		97
48) Benzene	5.495	78	1967907	141.147	ug/L		95
49) 1,2-Dichloroethane	5.550	62	740903	137.561	ug/L		99
50) Iso-Butyl Alcohol	5.592	43	547787	2841.099	ug/L		94
51) n-Heptane	6.025	43	711399	142.922	ug/L		92
52) 1-Butanol	6.611	56	1070583	8210.956	ug/L		93
53) Trichloroethene	6.507	130	620792	141.944	ug/L		95
54) Methylcyclohexane	6.745	55	841026	148.491	ug/L		89
55) 1,2-Diclpropane	6.806	63	556147	146.224	ug/L		98
56) Dibromomethane	6.952	93	338265	142.714	ug/L		84
57) 1,4-Dioxane	7.037	88	164125	2782.692	ug/L		87
58) Methyl Methacrylate	7.056	69	406464	142.407	ug/L	#	84
59) Bromodichloromethane	7.190	83	669791	153.990	ug/L		99
60) 2-Nitropropane	7.501	41	301343	310.451	ug/L		92
61) 2-Chloroethylvinyl Ether	7.623	63	78951	138.664	ug/L		95
62) cis-1,3-Dichloropropene	7.751	75	810113	153.076	ug/L		98
63) 4-Methyl-2-pentanone	7.976	43	550033	143.032	ug/L		93
65) Toluene	8.123	91	2189331	140.143	ug/L		100
66) trans-1,3-Dichloropropene	8.409	75	750191	155.936	ug/L		96
67) Ethyl Methacrylate	8.561	69	750711	149.613	ug/L		87
68) 1,1,2-Trichloroethane	8.598	97	506752	139.719	ug/L		97
71) Tetrachloroethene	8.726	164	471091	133.720	ug/L		95
72) 2-Hexanone	8.909	43	412807	139.963	ug/L		93
73) 1,3-Dichloropropane	8.769	76	805650	133.553	ug/L		89
74) Dibromochloromethane	9.000	129	608011	153.245	ug/L		99
75) N-Butyl Acetate	9.074	43	914630	143.330	ug/L		92
76) 1,2-Dibromoethane	9.092	107	546768	135.965	ug/L		98
77) 3-Chlorobenzotrifluoride	9.628	180	879693	139.762	ug/L		93
78) Chlorobenzene	9.598	112	1529478	132.978	ug/L		96
79) 4-Chlorobenzotrifluoride	9.689	180	788168	142.190	ug/L		91
80) 1,1,1,2-Tetrachloroethane	9.689	131	591412	145.894	ug/L		98
81) Ethylbenzene	9.726	106	794124	134.573	ug/L		94
82) (m+p)Xylene	9.842	106	1943234	266.904	ug/L		94
83) o-Xylene	10.201	106	969949	135.523	ug/L		96
84) Styrene	10.214	104	1675407	142.451	ug/L		97
85) Bromoform	10.366	173	387216	166.070	ug/L		100
86) 2-Chlorobenzotrifluoride	10.451	180	839764	142.019	ug/L		95
87) Isopropylbenzene	10.537	105	2327652	135.791	ug/L		97
88) Cyclohexanone	10.610	55	2554138	2553.556	ug/L		92
89) trans-1,4-Dichloro-2-B...	10.860	53	227311	153.902	ug/L		84
91) 1,1,2,2-Tetrachloroethane	10.811	83	692594	128.316	ug/L		99
92) Bromobenzene	10.781	156	652009	130.370	ug/L		92
93) 1,2,3-Trichloropropane	10.835	110	233598	123.329	ug/L		97
94) n-Propylbenzene	10.896	91	2806142	130.321	ug/L		97
95) 2-Chlorotoluene	10.957	91	1665940	130.381	ug/L		97
96) 3-Chlorotoluene	11.012	91	1784813	134.606	ug/L		94
97) 4-Chlorotoluene	11.055	91	1932922	129.028	ug/L		97
98) 1,3,5-Trimethylbenzene	11.055	105	2090284	127.877	ug/L		96
99) tert-Butylbenzene	11.323	119	1870625	128.945	ug/L		99
100) 1,2,4-Trimethylbenzene	11.366	105	2128153	131.429	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.433	214	616045	134.158	ug/L		97
102) sec-Butylbenzene	11.512	105	2658127	129.928	ug/L		95
103) p-Isopropyltoluene	11.634	119	2340567	133.278	ug/L		98

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

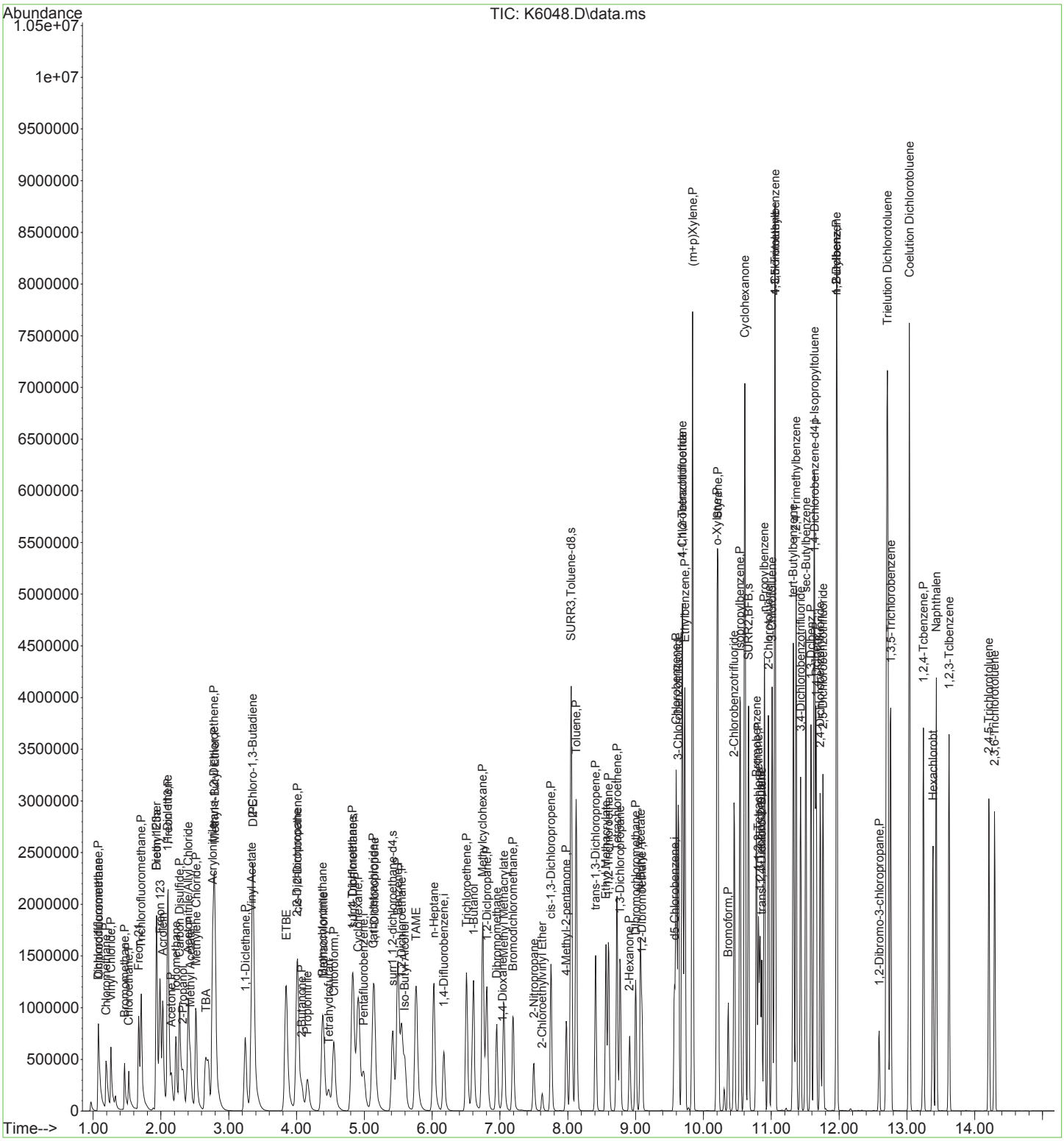
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	1267468	130.716	ug/L	98
105) 1,4-Dclbenz	11.665	146	1274278	131.372	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.719	214	559546	138.018	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.762	214	621560	136.955	ug/L	99
108) n-Butylbenzene	11.963	91	2026123	137.819	ug/L	98
109) 1,2-Dclbenz	11.963	146	1228401	130.374	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	189831	158.071	ug/L	91
111) Trielution Dichlorotol...	12.713	125	3711562	421.222	ug/L	96
112) 1,3,5-Trichlorobenzene	12.762	180	949712	139.492	ug/L	100
113) Coelution Dichlorotoluene	13.036	125	2619255	288.823	ug/L	98
114) 1,2,4-Tcbenzene	13.244	180	880189	137.525	ug/L	98
115) Hexachlorobt	13.384	225	367556	137.796	ug/L	98
116) Naphthalen	13.433	128	2493216	145.618	ug/L	98
117) 1,2,3-Tclbenzene	13.622	180	839818	139.491	ug/L	99
118) 2,4,5-Trichlorotoluene	14.207	159	674108	153.349	ug/L	96
119) 2,3,6-Trichlorotoluene	14.292	159	577722	147.852	ug/L	97

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

1st 09/19/24
2nd 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6048.D
Acq On : 18 Sep 2024 02:23 pm
Operator : K.Ruest
Sample : 150ppb
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 18:57:05 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6049.D
Acq On : 18 Sep 2024 02:46 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 18:57:11 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.995	168	414596	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.172	114	641367	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.573	117	555167	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	282047	50.00	ug/L	#	0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.830	113	205613	53.00	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.00%				
47) surr1,1,2-dichloroetha...	5.422	65	231279	52.38	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.76%				
64) SURR3,Toluene-d8	8.049	98	772761	53.21	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 106.42%				
69) SURR2,BFB	10.665	95	282937	53.79	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 107.58%				
Target Compounds							Qvalue
2) Chlorodifluoromethane	1.081	51	815251	201.390	ug/L		98
3) Dichlorodifluoromethane	1.075	85	735410	215.304	ug/L		97
4) Chloromethane	1.191	50	836821	192.352	ug/L		97
5) Vinyl Chloride	1.264	62	824764	200.469	ug/L		98
6) Bromomethane	1.465	94	395438	168.411	ug/L		100
7) Chloroethane	1.532	64	488456	185.470	ug/L		97
8) Freon 21	1.679	67	1209091	195.361	ug/L		99
9) Trichlorofluoromethane	1.715	101	1072927	198.162	ug/L		99
10) Diethyl Ether	1.935	59	689173	193.723	ug/L		94
11) Freon 123a	1.941	67	693371	177.236	ug/L		96
12) Freon 123	1.989	83	939596	197.955	ug/L		99
13) Acrolein	2.026	56	1050163	957.800	ug/L		99
14) 1,1-Diclethene	2.105	96	639111	189.356	ug/L	#	83
15) Freon 113	2.111	101	672520	201.789	ug/L		96
16) Acetone	2.154	43	290100	181.271	ug/L		91
17) 2-Propanol	2.288	45	1057804	3732.084	ug/L		95
18) Iodomethane	2.221	142	1155083	219.559	ug/L		93
19) Carbon Disulfide	2.276	76	1797378	217.358	ug/L		100
20) Acetonitrile/Allyl Chl...	2.404	41	1378306	1162.250	ug/L		97
21) Methyl Acetate	2.434	43	586234	186.601	ug/L		95
22) Methylene Chloride	2.520	84	675878	175.366	ug/L	#	88
23) TBA	2.654	59	1929890	3689.093	ug/L		96
24) Acrylonitrile	2.764	53	1738144	938.576	ug/L		100
25) Methyl-t-Butyl Ether	2.794	73	1997907	190.888	ug/L		98
26) trans-1,2-Dichloroethene	2.788	96	688897	190.198	ug/L	#	87
27) 1,1-Diclethane	3.245	63	1265571	192.920	ug/L		99
28) Vinyl Acetate	3.331	86	178974	216.136	ug/L	#	68
29) DIPE	3.361	45	2122394	194.362	ug/L		91
30) 2-Chloro-1,3-Butadiene	3.355	53	1219546	206.968	ug/L		85
31) ETBE	3.843	59	2446573	200.796	ug/L		96
32) 2,2-Dichloropropane	4.007	77	1001030	218.834	ug/L		98
33) cis-1,2-Dichloroethene	4.013	96	758808	196.929	ug/L		88
34) 2-Butanone	4.074	43	392721	192.987	ug/L		91
35) Propionitrile	4.160	54	707970	908.300	ug/L		97
36) Bromochloromethane	4.379	130	541555	194.433	ug/L	#	85
37) Methacrylonitrile	4.404	67	341925	191.095	ug/L		85
38) Tetrahydrofuran	4.471	42	235020	184.545	ug/L		90
39) Chloroform	4.550	83	1164633	195.334	ug/L		96
40) 1,1,1-Trichloroethane	4.830	97	1074815	222.091	ug/L		95

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6049.D
Acq On : 18 Sep 2024 02:46 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 18:57:11 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) TAME	5.763	73	1958473	200.401 ug/L	94
43) Cyclohexane	4.916	41	588205	199.639 ug/L	97
45) Carbontetrachloride	5.129	117	954229	200.935 ug/L	99
46) 1,1-Dichloropropene	5.147	75	854703	185.002 ug/L	97
48) Benzene	5.495	78	2601112	189.179 ug/L	95
49) 1,2-Dichloroethane	5.550	62	992028	186.769 ug/L	99
50) Iso-Butyl Alcohol	5.568	43	717557	3773.800 ug/L	93
51) n-Heptane	6.025	43	953209	194.188 ug/L	91
52) 1-Butanol	6.598	56	1376702	10706.837 ug/L	92
53) Trichloroethene	6.507	130	820783	190.303 ug/L	96
54) Methylcyclohexane	6.751	55	1092848	195.658 ug/L	89
55) 1,2-Diclpropane	6.806	63	734451	195.813 ug/L	98
56) Dibromomethane	6.952	93	454754	194.551 ug/L	86
57) 1,4-Dioxane	7.031	88	211678	3639.267 ug/L	87
58) Methyl Methacrylate	7.056	69	538423	191.285 ug/L #	83
59) Bromodichloromethane	7.196	83	893186	208.230 ug/L	98
60) 2-Nitropropane	7.501	41	407912	426.134 ug/L	98
61) 2-Chloroethylvinyl Ether	7.623	63	121813	216.944 ug/L	96
62) cis-1,3-Dichloropropene	7.751	75	1098826	210.541 ug/L	98
63) 4-Methyl-2-pentanone	7.976	43	728357	192.060 ug/L	92
65) Toluene	8.122	91	2892284	187.736 ug/L	98
66) trans-1,3-Dichloropropene	8.409	75	1010557	213.002 ug/L	96
67) Ethyl Methacrylate	8.561	69	1002762	202.648 ug/L	86
68) 1,1,2-Trichloroethane	8.598	97	669102	187.068 ug/L	97
71) Tetrachloroethene	8.726	164	626365	185.067 ug/L	95
72) 2-Hexanone	8.909	43	547035	193.060 ug/L	92
73) 1,3-Dichloropropane	8.775	76	1064511	183.682 ug/L	88
74) Dibromochloromethane	9.000	129	820811	215.343 ug/L	98
75) N-Butyl Acetate	9.067	43	1183531	193.056 ug/L	92
76) 1,2-Dibromoethane	9.092	107	733323	189.815 ug/L	100
77) 3-Chlorobenzotrifluoride	9.634	180	1163820	192.467 ug/L	92
78) Chlorobenzene	9.598	112	2022798	183.063 ug/L	96
79) 4-Chlorobenzotrifluoride	9.689	180	1047883	196.777 ug/L	92
80) 1,1,1,2-Tetrachloroethane	9.689	131	791268	203.180 ug/L	97
81) Ethylbenzene	9.726	106	1046052	184.516 ug/L	92
82) (m+p)Xylene	9.842	106	2538798	362.969 ug/L	93
83) o-Xylene	10.201	106	1287860	187.302 ug/L	93
84) Styrene	10.214	104	2194426	194.212 ug/L	97
85) Bromoform	10.366	173	524137	233.988 ug/L	98
86) 2-Chlorobenzotrifluoride	10.457	180	1112167	195.780 ug/L	91
87) Isopropylbenzene	10.543	105	3059095	185.762 ug/L	96
88) Cyclohexanone	10.610	55	3282327	3415.812 ug/L	93
89) trans-1,4-Dichloro-2-B...	10.860	53	300892	212.054 ug/L	84
91) 1,1,2,2-Tetrachloroethane	10.811	83	904969	185.824 ug/L	98
92) Bromobenzene	10.781	156	876381	194.214 ug/L	91
93) 1,2,3-Trichloropropane	10.835	110	302780	177.169 ug/L	99
94) n-Propylbenzene	10.902	91	3652707	188.012 ug/L	94
95) 2-Chlorotoluene	10.957	91	2183661	189.412 ug/L	97
96) 3-Chlorotoluene	11.012	91	2309584	193.050 ug/L	95
97) 4-Chlorotoluene	11.055	91	2526006	186.883 ug/L	97
98) 1,3,5-Trimethylbenzene	11.055	105	2738283	185.666 ug/L	95
99) tert-Butylbenzene	11.323	119	2461752	188.073 ug/L	97
100) 1,2,4-Trimethylbenzene	11.366	105	2787472	190.793 ug/L	96
101) 3,4-Dichlorobenzotrifl...	11.433	214	833852	201.261 ug/L	97
102) sec-Butylbenzene	11.512	105	3478706	188.456 ug/L	95
103) p-Isopropyltoluene	11.634	119	3095365	195.350 ug/L	98

1st KR 09/19/24
2nd FJ 09/19/24

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6049.D
Acq On : 18 Sep 2024 02:46 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 18:57:11 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration

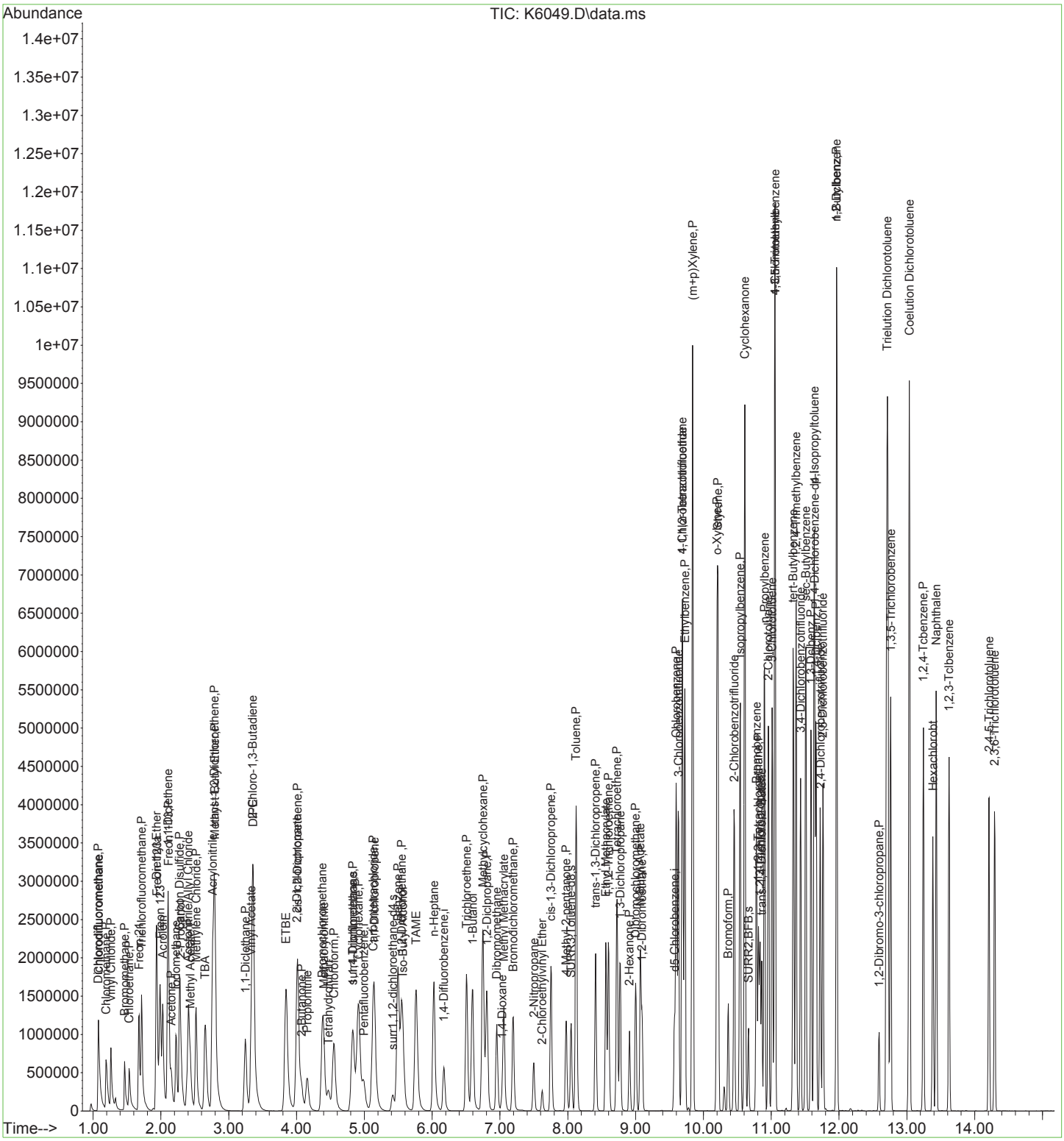
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	1664577	190.265	ug/L	99
105) 1,4-Dclbenz	11.658	146	1662796	189.994	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.726	214	742928	203.100	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.762	214	825947	201.703	ug/L	98
108) n-Butylbenzene	11.963	91	2611806	196.901	ug/L	97
109) 1,2-Dclbenz	11.963	146	1626501	191.325	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.591	157	247838	228.727	ug/L	90
111) Trielution Dichlorotol...	12.713	125	4825420	606.952	ug/L	96
112) 1,3,5-Trichlorobenzene	12.762	180	1254109	204.154	ug/L	100
113) Coelution Dichlorotoluene	13.036	125	3388169	414.080	ug/L	98
114) 1,2,4-Tcbenzene	13.244	180	1174865	203.451	ug/L	98
115) Hexachlorobt	13.384	225	496182	206.166	ug/L	99
116) Naphthalen	13.432	128	3295160	213.302	ug/L	98
117) 1,2,3-Tclbenzene	13.621	180	1122930	206.718	ug/L	99
118) 2,4,5-Trichlorotoluene	14.213	159	936403	236.091	ug/L	94
119) 2,3,6-Trichlorotoluene	14.292	159	808380	229.292	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\091824\
Data File : K6049.D
Acq On : 18 Sep 2024 02:46 pm
Operator : K.Ruest
Sample : 200ppb
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 18:57:11 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Wed Sep 18 15:25:45 2024
Response via : Initial Calibration



Analysis: 8260HT24 | Analyst: MWest | pH strips: N/A | Tune Method: 12051624

Date: 9/18/24 | Balance ID: N/A | ResCl strips: N/A | Run Method: ↓

Instr. 17 | 50 mL Class A used for dilution FV | Syringes: 231174 + 287289 | LIMS Run#: ICAL

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./		RL	Vial	HS	CI	pH	File#	OK?	Comments
1	BLK									K60036		mtune - TDMV
2	↓									K60037		
3										K60038		
1	TUNE			(5µ Atom 50)						K60039	YT	(auto) 10:49
2	IBLK	(5ppm)	(500ppm)		FV					K60040	YB	
1	0.5ppb	5mL	—	—	50mb					K60041	Y	
2	1.0	10mL	—	—	↓					K60042	Y	
3	2.0	20mL	—	—						K60043	Y	
4	5.0	50mL	—	1mL						K60044	Y	
5	20	—	2mL	2mL						K60045	Y	
6	50	—	5mL	5mL						K60046	Y	
7	100	—	10mL	10mL						K60047	Y	
8	150	—	15mL	20mL						K60048	Y	
9	200	—	20mL	—						K60049	Y	
10	BLK									K60050	—	
11	↓									K60051	—	
12										K60052		
13	ICV·50									K60053	(N)	freons shot wrong - (MT)
14	BLK									K60054	—	
1	ICV·50									K60055	YQ	
2	BLK									K60056	—	

EOD
MR 9/18/24

All samples = 5 mL + 5 uL combined IS 5 mL purged

Combined IS/Surr :

Surrogate SD : 2372977

Internal Std SD : 2372976

Reagents: MeOH: 236902

500 Primary OCC : 237111
Primary FR : 237344
Primary TO : 237110 — 10uL → 1.0mL MeOH = 5ppm
Primary HSL : 237133
Primary 236 : 236543
TJT

200 Secondary FR : 237345 · 12.5uL
500 Secondary OCC : 236103
Secondary TO : 237239
Secondary HSL : 237149
Secondary 236 : 236544
TJT
5uL → 50mb = ICV·50

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 9/18/24 11:12

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA17\Data\091824\K6040.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-17

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	17.6	33994	PASS
75	95	30	60	44.6	86419	PASS
95	95	100	100	100.0	193621	PASS
96	95	5	9	6.9	13280	PASS
173	174	0	2	1.0	1568	PASS
174	95	50	120	79.4	153821	PASS
175	174	5	9	7.5	11580	PASS
176	174	95	101	95.5	146960	PASS
177	176	5	9	6.7	9883	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
0.5ppb	0.5ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6041.D	9/18/24 11:42	
1.0ppb	1.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6042.D	9/18/24 12:05	
2.0ppb	2.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6043.D	9/18/24 12:28	
5.0ppb	5.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6044.D	9/18/24 12:51	
20ppb	20ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6045.D	9/18/24 13:14	
50ppb	50ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6046.D	9/18/24 13:37	
100ppb	100ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6047.D	9/18/24 14:00	
150ppb	150ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6048.D	9/18/24 14:23	
200ppb	200ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6049.D	9/18/24 14:46	
ICV-50	ICV-50	I:\ACQUDATA\MSVOA17\Data\091824\K6055.D	9/18/24 17:09	

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton **Calibration Date:** 9/18/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400176 **Signal ID:** 1
Instrument ID: R-MS-17

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2400176-01	0.5ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6041.D	09/18/2024 11:42
02	RC2400176-02	1.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6042.D	09/18/2024 12:05
03	RC2400176-03	2.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6043.D	09/18/2024 12:28
04	RC2400176-04	5.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6044.D	09/18/2024 12:51
05	RC2400176-05	20ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6045.D	09/18/2024 13:14
06	RC2400176-06	50ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6046.D	09/18/2024 13:37
07	RC2400176-07	100ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6047.D	09/18/2024 14:00
08	RC2400176-08	150ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6048.D	09/18/2024 14:23
09	RC2400176-09	200ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6049.D	09/18/2024 14:46

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7157	02	1.000	0.6656	03	2.000	0.6161	04	5.000	0.6398
05	20.000	0.6171	06	50.000	0.6554	07	100.000	0.645	08	150.000	0.6484
09	200.000	0.6481									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8478	02	1.000	0.8428	03	2.000	0.7889	04	5.000	0.8124
05	20.000	0.7519	06	50.000	0.7853	07	100.000	0.7613	08	150.000	0.7668
09	200.000	0.7631									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4838	02	1.000	0.3948	03	2.000	0.4248	04	5.000	0.4106
05	20.000	0.3925	06	50.000	0.3955	07	100.000	0.3874	08	150.000	0.3886
09	200.000	0.3854									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4315	05	20.000	0.3701	06	50.000	0.432	07	100.000	0.4175
08	200.000	0.3993									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.2985	05	20.000	0.2862	06	50.000	0.3178	07	100.000	0.3135
08	200.000	0.296									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.36	02	1.000	0.3319	03	2.000	0.3247	04	5.000	0.3165
05	20.000	0.2934	06	50.000	0.2796	07	100.000	0.2834	08	150.000	0.2717
09	200.000	0.2821									

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton **Calibration Date:** 9/18/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400176 **Signal ID:** 1
Instrument ID: R-MS-17

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.182	05	20.000	1.065	06	50.000	1.184	07	100.000	1.157
08	200.000	1.073									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3702	02	1.000	0.3494	03	2.000	0.3556	04	5.000	0.3437
05	20.000	0.3219	06	50.000	0.32	07	100.000	0.3274	08	150.000	0.3182
09	200.000	0.3199									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6006	02	1.000	0.5233	03	2.000	0.4988	04	5.000	0.4832
05	20.000	0.4977	06	50.000	0.5088	07	100.000	0.502	08	150.000	0.5047
09	200.000	0.4973									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4825	02	1.000	0.4787	03	2.000	0.4539	04	5.000	0.4884
05	20.000	0.4595	06	50.000	0.4645	07	100.000	0.4634	08	150.000	0.4597
09	200.000	0.4576									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5386	02	1.000	0.4474	03	2.000	0.4475	04	5.000	0.4428
05	20.000	0.4165	06	50.000	0.4222	07	100.000	0.4185	08	150.000	0.4108
09	200.000	0.4154									

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton **Calibration Date:** 9/18/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400176 **Signal ID:** 1
Instrument ID: R-MS-17

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	4.5	≤20	0.6501	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	4.5	≤20	0.7911	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.7	≤20	0.407	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	6.3	≤20	0.4101	
Dibromofluoromethane	SURR	Average RF	% RSD	4.3	≤20	0.3024	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	9.8	≤20	0.3048	0.200
Toluene-d8	SURR	Average RF	% RSD	5.2	≤20	1.132	
Trichloroethene (TCE)	TRG	Average RF	% RSD	5.7	≤20	0.3362	0.200
Vinyl Chloride	TRG	Average RF	% RSD	6.7	≤20	0.5129	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	2.6	≤20	0.4676	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	9.0	≤20	0.44	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton **Calibration Date:** 9/18/2024

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2400176 **Signal ID:** 1
Instrument ID: R-MS-17

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2400176-10	ICV-50	I:\ACQUDATA\MSVOA17\Data\091824\K6055.D	09/18/2024 17:09

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	51.5	6.501E-1	6.7E-1	3.05	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.5	7.911E-1	7.991E-1	1.00	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.7	4.07E-1	4.125E-1	1.34	±30	Average RF
Tetrachloroethene (PCE)	50.0	49.2	3.048E-1	2.999E-1	-1.615	±30	Average RF
Trichloroethene (TCE)	50.0	50.9	3.362E-1	3.42E-1	1.71	±30	Average RF
Vinyl Chloride	50.0	55.1	5.129E-1	5.654E-1	10.23	±30	Average RF
cis-1,2-Dichloroethene	50.0	53.5	4.676E-1	5.001E-1	6.94	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.1	4.4E-1	4.232E-1	-3.823	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	53.6	4.101E-1	4.397E-1	7.23	±30	Average RF
Dibromofluoromethane	50.0	52.2	3.024E-1	3.16E-1	4.48	±30	Average RF
Toluene-d8	50.0	52.0	1.132E0	1.178E0	4.01	±30	Average RF

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

Service Request: R2409108
Date Analyzed: 09/23/24 10:28

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\
Signal ID: 1

Calibration Date: 9/18/2024
Calibration ID: RC2400176
Analysis Lot: 854958
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.2	0.6501	0.64	-1.6	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	46.5	0.7911	0.7351	-7.1	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	48.2	0.407	0.3924	-3.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	47.1	0.3048	0.2872	-5.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.2	0.3362	0.3241	-3.6	NA	±20	Average RF
Vinyl Chloride	50.0	46.7	0.5129	0.4788	-6.7	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.7	0.4676	0.4651	-0.5	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	47.2	0.44	0.4154	-5.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.1	0.4101	0.4188	2.1	NA	±20	Average RF
Dibromofluoromethane	50.0	51.2	0.3024	0.3098	2.5	NA	±20	Average RF
Toluene-d8	50.0	50.3	1.1323	1.1391	0.6	NA	±20	Average RF

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

Service Request: R2409108
Date Analyzed: 09/23/24 22:19

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260D
File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6224.D\
Signal ID: 1

Calibration Date: 9/18/2024
Calibration ID: RC2400176
Analysis Lot: 855028
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.9	0.6501	0.623	-4.2	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.5	0.7911	0.7202	-9.0	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.2	0.407	0.3759	-7.7	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	45.6	0.3048	0.2782	-8.7	NA	±20	Average RF
Trichloroethene (TCE)	50.0	47.7	0.3362	0.3206	-4.7	NA	±20	Average RF
Vinyl Chloride	50.0	44.9	0.5129	0.461	-10.1	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	46.9	0.4676	0.4387	-6.2	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	45.6	0.44	0.4015	-8.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.9	0.4101	0.4175	1.8	NA	±20	Average RF
Dibromofluoromethane	50.0	50.2	0.3024	0.3035	0.4	NA	±20	Average RF
Toluene-d8	50.0	49.8	1.1323	1.1281	-0.4	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: 8260D **Analysis Lot:**854958
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\	Continuing Calibration Verification	RQ2411972-01	9/23/2024	10:28:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6195.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	11:01:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6196.D\	Lab Control Sample	RQ2411972-03	9/23/2024	11:24:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6198.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	12:10:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6199.D\	Method Blank	RQ2411972-05	9/23/2024	12:33:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6200.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	13:06:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6201.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	13:29:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6202.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	13:52:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6203.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	14:16:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6204.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	14:39:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6205.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:02:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6206.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:25:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6207.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:48:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6209.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	16:34:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6210.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	16:57:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6211.D\	TB-091624	R2409108-001	9/23/2024	17:20:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6212.D\	FB-091724	R2409108-015	9/23/2024	17:43:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6213.D\	TMP-A-091624	R2409108-003	9/23/2024	18:06:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6214.D\	FB-091624	R2409108-006	9/23/2024	18:29:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6215.D\	DMW-3-091724	R2409108-011	9/23/2024	18:52:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6216.D\	MW-13-091724	R2409108-017	9/23/2024	19:15:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6217.D\	MW-14-091624	R2409108-005	9/23/2024	19:38:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6218.D\	MW-10-091624	R2409108-007	9/23/2024	20:01:00	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: 8260D **Analysis Lot:**854958
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\092324\K6219.D\	DMW-4-091624	R2409108-008	9/23/2024	20:24:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6220.D\	MW-7-091724	R2409108-012	9/23/2024	20:47:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6221.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	21:10:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6222.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	21:33:00	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: 8260D **Analysis Lot:**855028
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\092324\K6224.D\	Continuing Calibration Verification	RQ2411978-01	9/23/2024	22:19:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6225.D\	Lab Control Sample	RQ2411978-02	9/23/2024	22:42:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6228.D\	Method Blank	RQ2411978-03	9/23/2024	23:51:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6229.D\	MW-6-091724	R2409108-009	9/24/2024	00:14:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6230.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	00:37:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6231.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	01:00:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6232.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	01:23:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6233.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	01:46:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6234.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	02:09:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6235.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	02:32:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6236.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	02:54:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6237.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	03:17:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6238.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	03:40:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6239.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	04:03:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6240.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	04:26:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6241.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	04:49:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6242.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	05:12:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6243.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	05:35:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6244.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	05:58:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6245.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	06:21:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6246.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	06:44:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6247.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	07:07:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6248.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	07:30:00	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: 8260D **Analysis Lot:**855028
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\092324\K6249.D\	MW-6-091724 MS	RQ2411978-04	9/24/2024	07:53:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6250.D\	MW-6-091724 DMS	RQ2411978-05	9/24/2024	08:16:00	

Analysis: 8260HT_24 (HL) | Analyst: KHurst | pH strips: 234223 | Tune Method: W091524

Date: 9/23/24 | Balance ID: NA | ResCl strips: NA | Run Method: ↓

Instr. 17 | 50 mL Class A used for dilution FV | Syringes: 23114 | LIMS Run#: 854958

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	CI	pH	File#	OK?	Comments
1	BLK								K6192		
2	TUNE		K24111972.—						K6193	—	(not needed)
1	CCV		01						K6194	YL	10:28
1	LCS.ump		02						K6195	YB	
2	LCS.FP		03						K6196	YB	
3	BLK		—						K6197	(N)	not clo
4	MBLK.ump		04						K6198	YB	
5	MBLK.FP		05						K6199	YB	
1	R2409039.003	2.5	20/50mls	26951	2	N	NA	22	K6200	Y	DC F113
2	↓ 004	2.5	↓	↓	2	↓	↓	22	K6201	Y	↓
3	R2409018.003	1.0		26405	4			22	K6202	Y	
4	↓ 005	1.0		↓	2			22	K6203	Y	
5	R2409108.013	1.0		26516	2			(2)	K6204	Y	
6	R2409164.002	1.0			1			(5)	K6205	Y	
7	↓ 014	1.0			1			(6)	K6206	Y	
8	↓ 015	5.0	10/50mls	↓	1	↓	↓	NA	K6207	Y	dil.for matrix (purple)
9	BLK	—							K6208	—	
10	R2409017.001	1.0		26402	1	N	NA	22	K6209	Y	
11	↓ 002	1.0		↓	1			22	K6210	Y	
12	R2409108.001	1.0		26516	1			22	K6211	Y	
13	016	1.0			1			22	K6212	Y	
14	013	1.0			1			22	K6213	Y	
15	006	1.0			1			22	K6214	Y	
16	011	1.0			1			22	K6215	Y	
17	017	1.0			1			22	K6216	Y	
18	005	1.0			1			22	K6217	Y	
19	007	1.0			1			22	K6218	Y	
20	008	1.0			1			22	K6219	Y	
21	↓ 012	1.0		↓	1			22	K6220	Y	
22	R2409018.002	1.0	MS	26405	2			22	K6221	Y	
23	↓ 003	1.0	MSD	↓	3	↓	↓	22	K6222	Y	21:33 ✓
24	BLK	—							K6223	—	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr:

500 Primary OCC: 237111

Primary fr: 237344

Primary TO: 237110 — 5uL → 50mls = CCV

Primary HSL: 237133

Primary 236: 236543 JT

200 Secondary fr: 237345 — 15uL — 10.8mL

500 Secondary OCC: 236103

Secondary TO: 237239 — 2uL — 50mls = LCS / 4.3mL

Secondary HSL: 237149

Secondary 236: 236544 JT

Surrogate 5D: 237297

Internal Std 5D: 237296

Reagents:

4.3mL vial = MS/D

Analysis: 8260 water Analyst: KPuest pH strips: 234223 Tune Method: W09K04

Date: 9/23/21. Run#2 Balance ID: N/A ResCl strips: N/A Run Method: ↓

Instr. 17 50 mL Class A used for dilution FV Syringes: 23174 LIMS Run#: 8850298

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	CI	pH	File#	OK?	Comments
25	CCV		K2109178.01						K6234	Y/C	22:19
26	LCS.FP		02						K6235	Y/Q	
27	BLK		=						K6236	(N)	wpt c/o
28	MBLK.UMP		=						K6237	Y/B	
29	MBLK.FP		03						K6238	Y/B	
30	K2109108.009	1.0		26359	1	N	NA	LL	K6239	Y	
31	K2109130.001	1.0		26402	1			LL	K6230	Y	
32	↓ 002	1.0		↓	1			LL	K6231	Y	
33	↓ 003	1.0			1			LL	K6232	Y	
34	K2109014.001	1.0		26412	1			LL	K6233	Y	
35	↓ 002	1.0		↓	1			LL	K6234	Y	
36	K2109296.001	1.0		26421	1			LL	K6235	Y	
37	K2109297.001	1.0		↓	1			LL	K6236	Y	
38	K2109298.001	1.0		↓	1			LL	K6237	Y	
39	K2109057.001	1.0		26408	1			LL	K6238	Y	
40	002	1.0			1			LL	K6239	Y	
41	(MB) 003	~~1.0~~	2.0 (25/50mls)		1			LL	K6240	Y	
42	004	1.0			1			LL	K6241	Y	
43	(MB) 005	~~1.0~~	2.5 (20/50mls)		1			LL	K6242	Y	
44	(MB) 006	~~1.0~~	5.0 (10/50mls)		1			LL	K6243	Y	
45	007	1.0			1			LL	K6244	(Y)	wpt 2.5 TCE
46	008	1.0			1			LL	K6245	Y	
47	009	1.0			1			LL	K6246	Y	
48	010	1.0			1			LL	K6247	Y	
49	↓ 011	1.0		↓	1			LL	K6248	Y	
50	K2109108.009	1.0	MS	26399	2			LL	K6249	Y/Q	
51	↓ 009	1.0	MSD	↓	3	↓	↓	LL	K6250	Y/Q	8:16 ✓
52	BLK	—							K6251	—	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

500 Primary acc : 237111
Primary fr : 237344 | 5mL → 50mls
Primary TB : 237110 | = CCV
Primary HSL : 237133
Primary :

200 Secondary fr : 237345 . 5mL
500 Secondary acc : 236103
Secondary TB : 237239 | 2mL | 50mls = LCS
Secondary HSL : 237149
Secondary :

-10.8mL
4.3mL
↓
Material = MSD

Combined IS/Surr :
Surrogate 50 : 237297
Internal Std 50 : 237296
Reagents:

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 12:50
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-9-091624	**Units:**	ug/L
Lab Code:	R2409108-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.30**	**J**	1.0	0.20	1	09/20/24 18:20	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/20/24 18:20	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/20/24 18:20	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/20/24 18:20	
Trichloroethene (TCE)	**3.8**		1.0	0.20	1	09/20/24 18:20	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/20/24 18:20	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/20/24 18:20	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/20/24 18:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/20/24 18:20	
Dibromofluoromethane	95	80 - 116	09/20/24 18:20	
Toluene-d8	99	87 - 121	09/20/24 18:20	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 14:55
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-17-091624	**Units:**	ug/L
Lab Code:	R2409108-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**1.5**	1.0	0.20	1	09/20/24 18:43	
1,1-Dichloroethane (1,1-DCA)	**23**	1.0	0.20	1	09/20/24 18:43	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/24 18:43	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/24 18:43	
Trichloroethene (TCE)	**6.1**	1.0	0.20	1	09/20/24 18:43	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/24 18:43	
cis-1,2-Dichloroethene	**27**	1.0	0.23	1	09/20/24 18:43	
trans-1,2-Dichloroethene	**1.0**	1.0	0.20	1	09/20/24 18:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/20/24 18:43	
Dibromofluoromethane	97	80 - 116	09/20/24 18:43	
Toluene-d8	99	87 - 121	09/20/24 18:43	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 10:35
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-16-091724	**Units:**	ug/L
Lab Code:	R2409108-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**7.4 J**	10	2.0	10	09/20/24 19:29	
1,1-Dichloroethane (1,1-DCA)	**16**	10	2.0	10	09/20/24 19:29	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/20/24 19:29	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/20/24 19:29	
Trichloroethene (TCE)	10 U	10	2.0	10	09/20/24 19:29	
Vinyl Chloride	10 U	10	2.0	10	09/20/24 19:29	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/20/24 19:29	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/20/24 19:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	09/20/24 19:29	
Dibromofluoromethane	97	80 - 116	09/20/24 19:29	
Toluene-d8	103	87 - 121	09/20/24 19:29	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 13:05
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-8-091724	**Units:**	ug/L
Lab Code:	R2409108-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**2.5**	1.0	0.20	1	09/23/24 14:39	
1,1-Dichloroethane (1,1-DCA)	**3.4**	1.0	0.20	1	09/23/24 14:39	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/24 14:39	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/24 14:39	
Trichloroethene (TCE)	**0.84 J**	1.0	0.20	1	09/23/24 14:39	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/24 14:39	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/24 14:39	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/24 14:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/23/24 14:39	
Dibromofluoromethane	96	80 - 116	09/23/24 14:39	
Toluene-d8	100	87 - 121	09/23/24 14:39	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 00:00
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	DUP-091724	**Units:**	ug/L
Lab Code:	R2409108-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**2.7**	1.0	0.20	1	09/20/24 19:06	
1,1-Dichloroethane (1,1-DCA)	**3.5**	1.0	0.20	1	09/20/24 19:06	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/20/24 19:06	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/20/24 19:06	
Trichloroethene (TCE)	**0.67 J**	1.0	0.20	1	09/20/24 19:06	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/20/24 19:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/20/24 19:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/20/24 19:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/20/24 19:06	
Dibromofluoromethane	98	80 - 116	09/20/24 19:06	
Toluene-d8	101	87 - 121	09/20/24 19:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 14:10
Sample Matrix:	Water	**Date Received:**	09/19/24 08:00
Sample Name:	MW-11-091724	**Units:**	ug/L
Lab Code:	R2409108-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
Prep Method: EPA 5030C

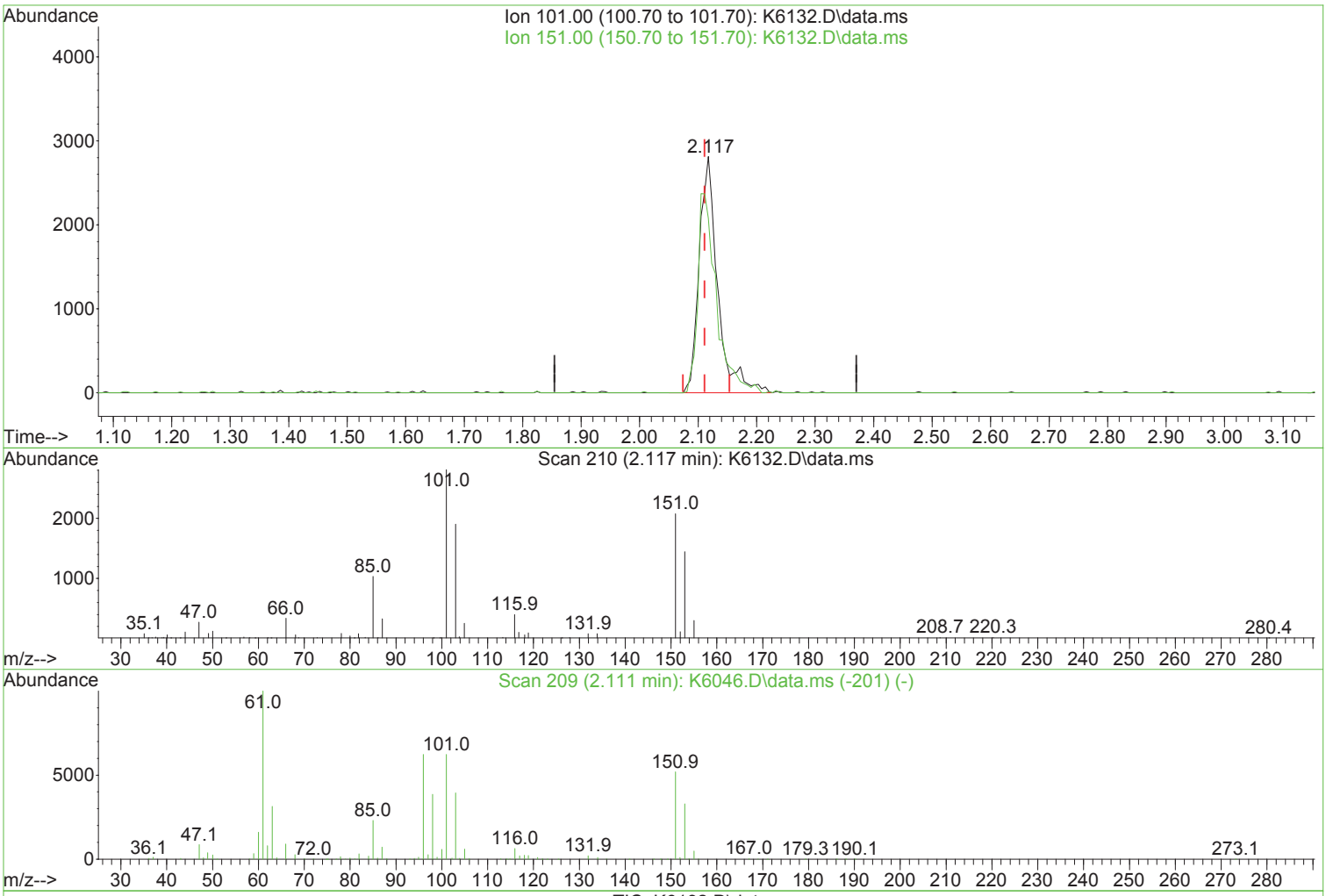
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	10	2.0	10	09/20/24 19:52	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/20/24 19:52	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/20/24 19:52	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/20/24 19:52	
Trichloroethene (TCE)	10 U	10	2.0	10	09/20/24 19:52	
Vinyl Chloride	10 U	10	2.0	10	09/20/24 19:52	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/20/24 19:52	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/20/24 19:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	09/20/24 19:52	
Dibromofluoromethane	97	80 - 116	09/20/24 19:52	
Toluene-d8	101	87 - 121	09/20/24 19:52	

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6132.D
Acq On : 20 Sep 2024 06:20 pm
Operator : K.Ruest
Sample : R2409108-002
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 20 18:36:26 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration



TIC: K6132.D\data.ms

(15) Freon 113 (P)

2.117min (+ 0.006) 1.78 ug/L m

response 6188

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	83.30	73.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

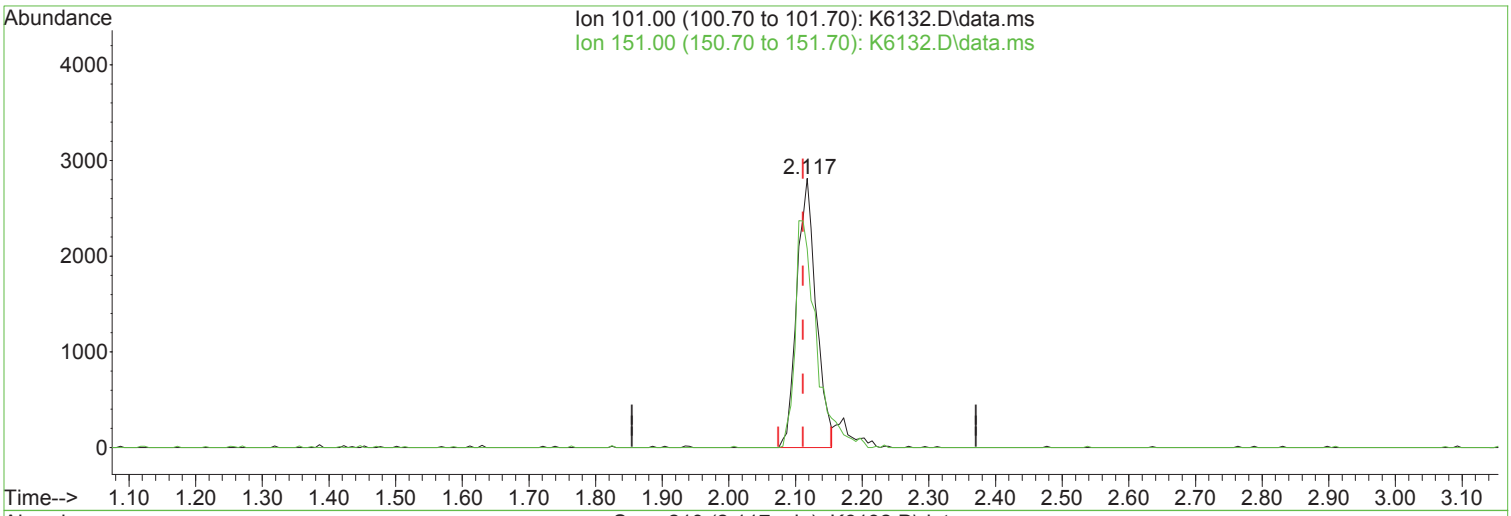
Poor integration.

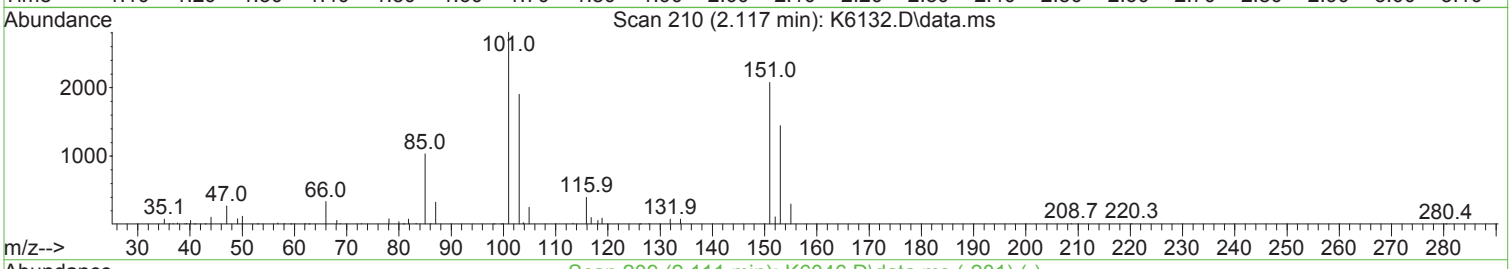
09/26/24

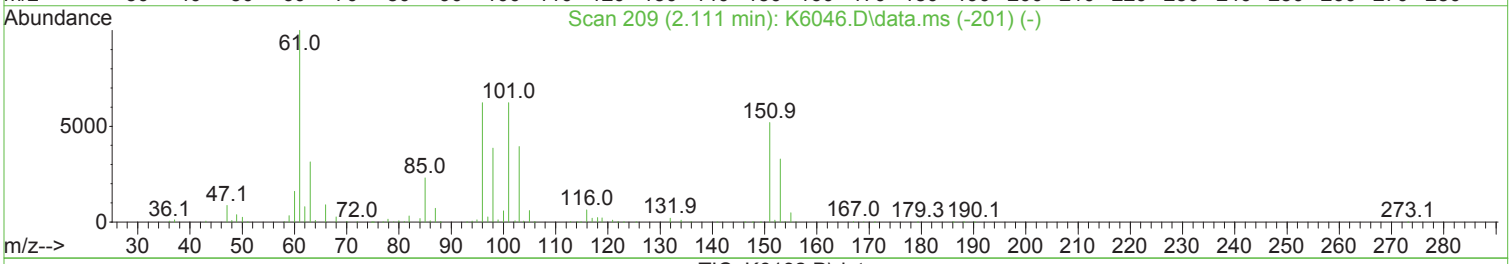
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6132.D
Acq On : 20 Sep 2024 06:20 pm
Operator : K.Ruest
Sample : R2409108-002
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 20 18:36:26 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6132.D\data.ms

(15) Freon 113 (P)

2.117min (+ 0.006) 1.63 ug/L

response 5661

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	83.30	73.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

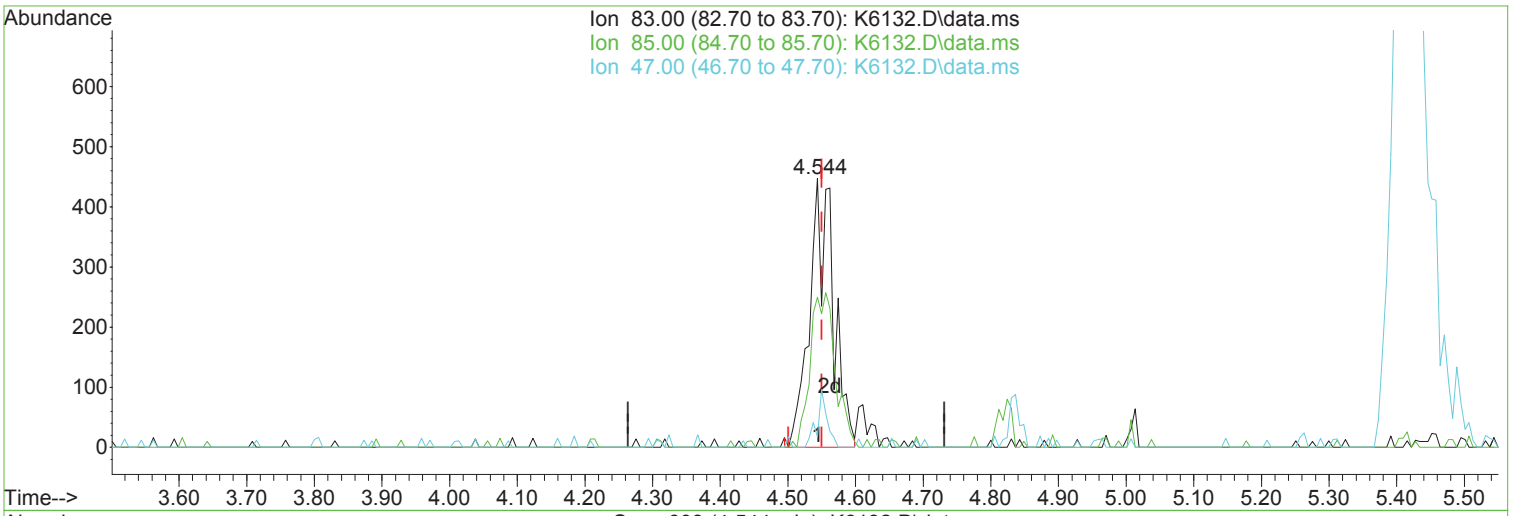
Before

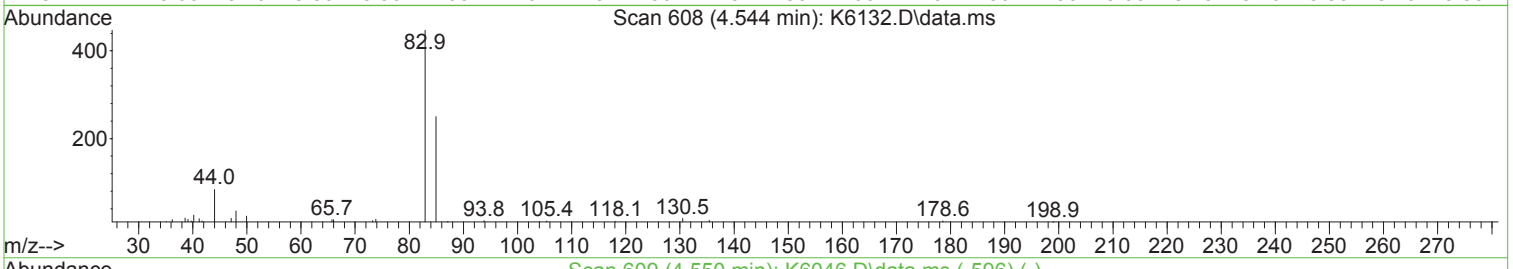
09/26/24

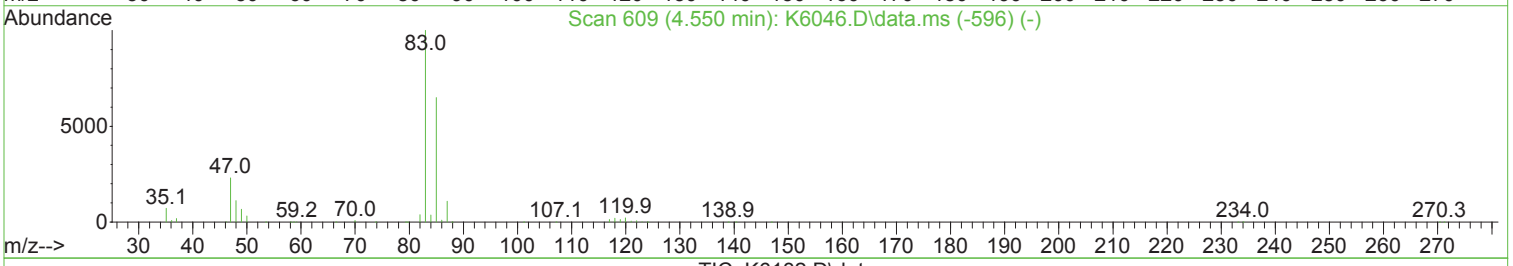
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6132.D
Acq On : 20 Sep 2024 06:20 pm
Operator : K.Ruest
Sample : R2409108-002
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 20 18:36:26 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6132.D\data.ms

(39) Chloroform (P)

4.544min (-0.006) 0.18 ug/L m

response 1091

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	65.00	55.93
47.00	23.20	4.03
0.00	0.00	0.00

Manual Integration:

After

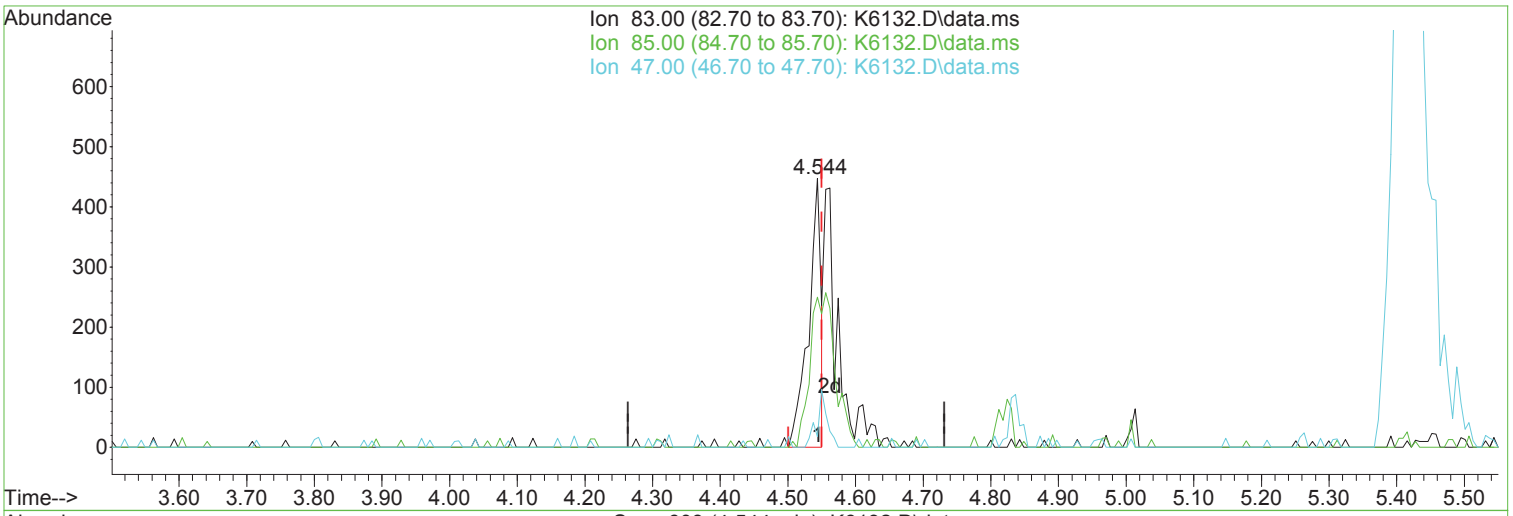
Split Peak.

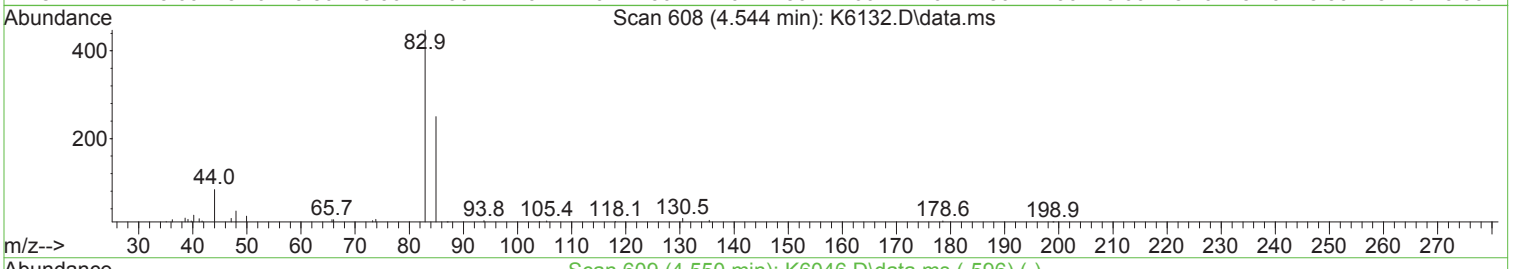
09/26/24

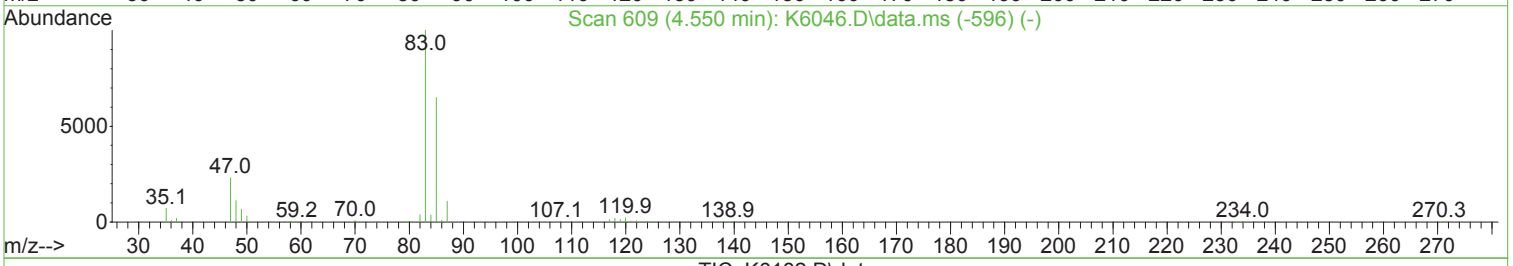
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6132.D
Acq On : 20 Sep 2024 06:20 pm
Operator : K.Ruest
Sample : R2409108-002
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 20 18:36:26 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6132.D\data.ms

(39) Chloroform (P)

4.544min (-0.006) 0.09 ug/L

response 567

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	65.00	55.93
47.00	23.20	4.03
0.00	0.00	0.00

Manual Integration:

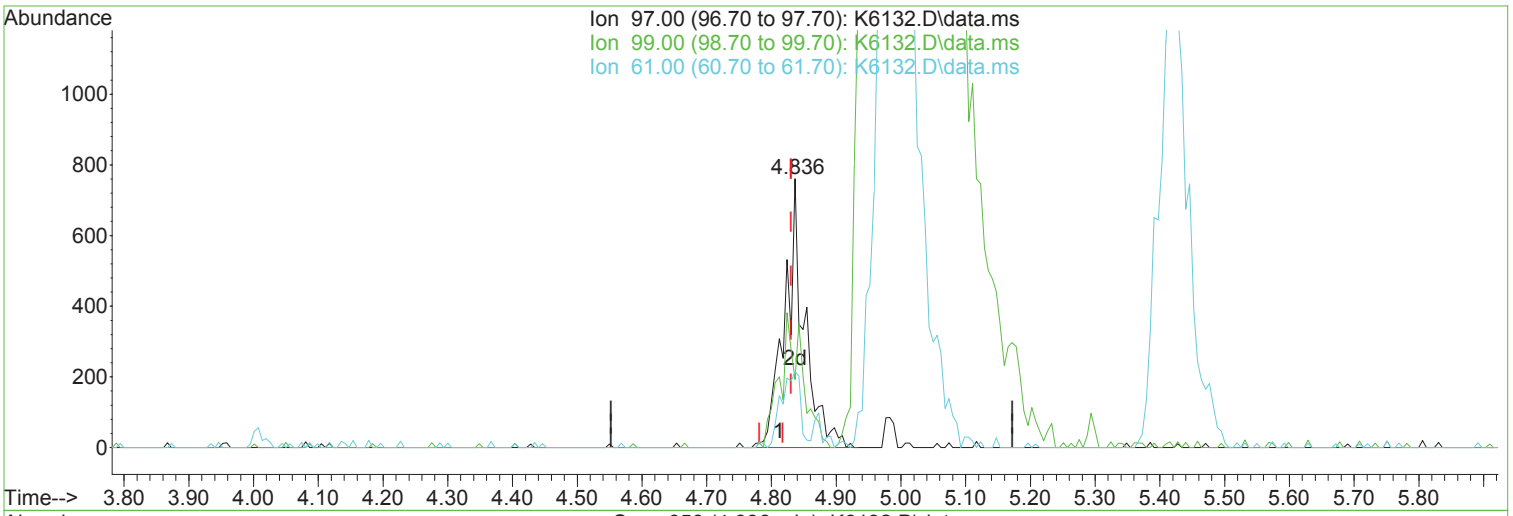
Before

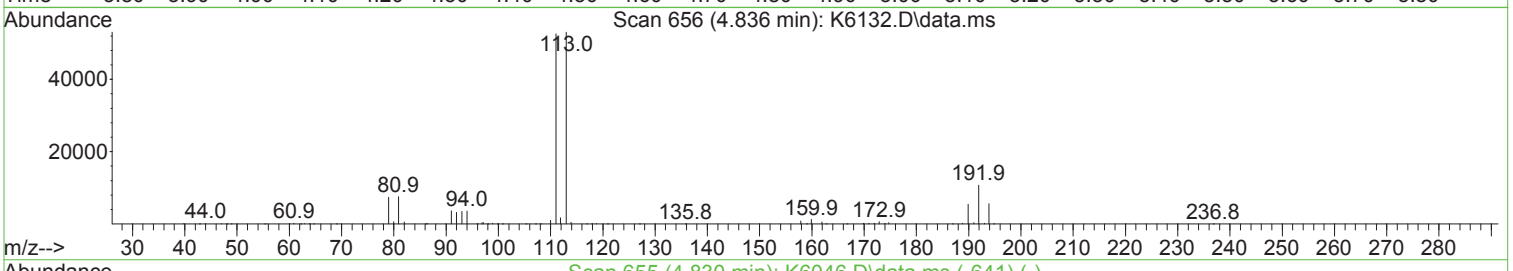
09/26/24

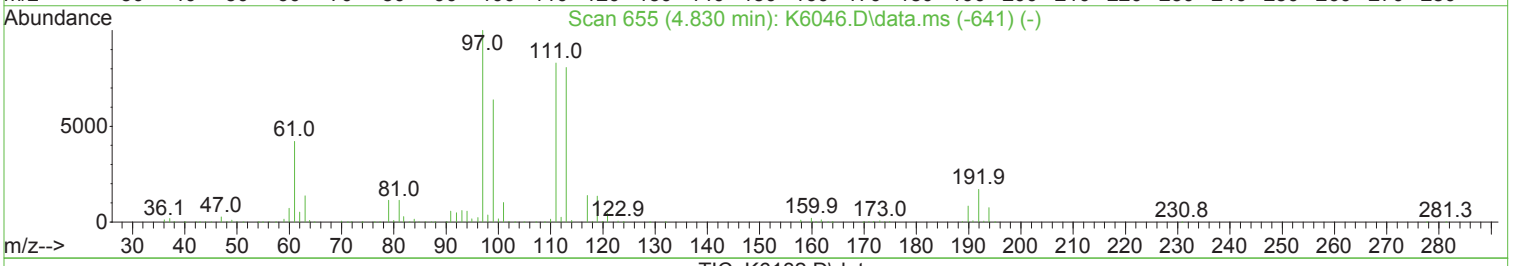
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6132.D
Acq On : 20 Sep 2024 06:20 pm
Operator : K.Ruest
Sample : R2409108-002
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 20 18:36:26 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6132.D\data.ms

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

4.836min (+ 0.006) 0.30 ug/L m

response 1618

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	49.74
61.00	42.10	55.41
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

09/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6132.D
Acq On : 20 Sep 2024 06:20 pm
Operator : K.Ruest
Sample : R2409108-002
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 20 18:36:26 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

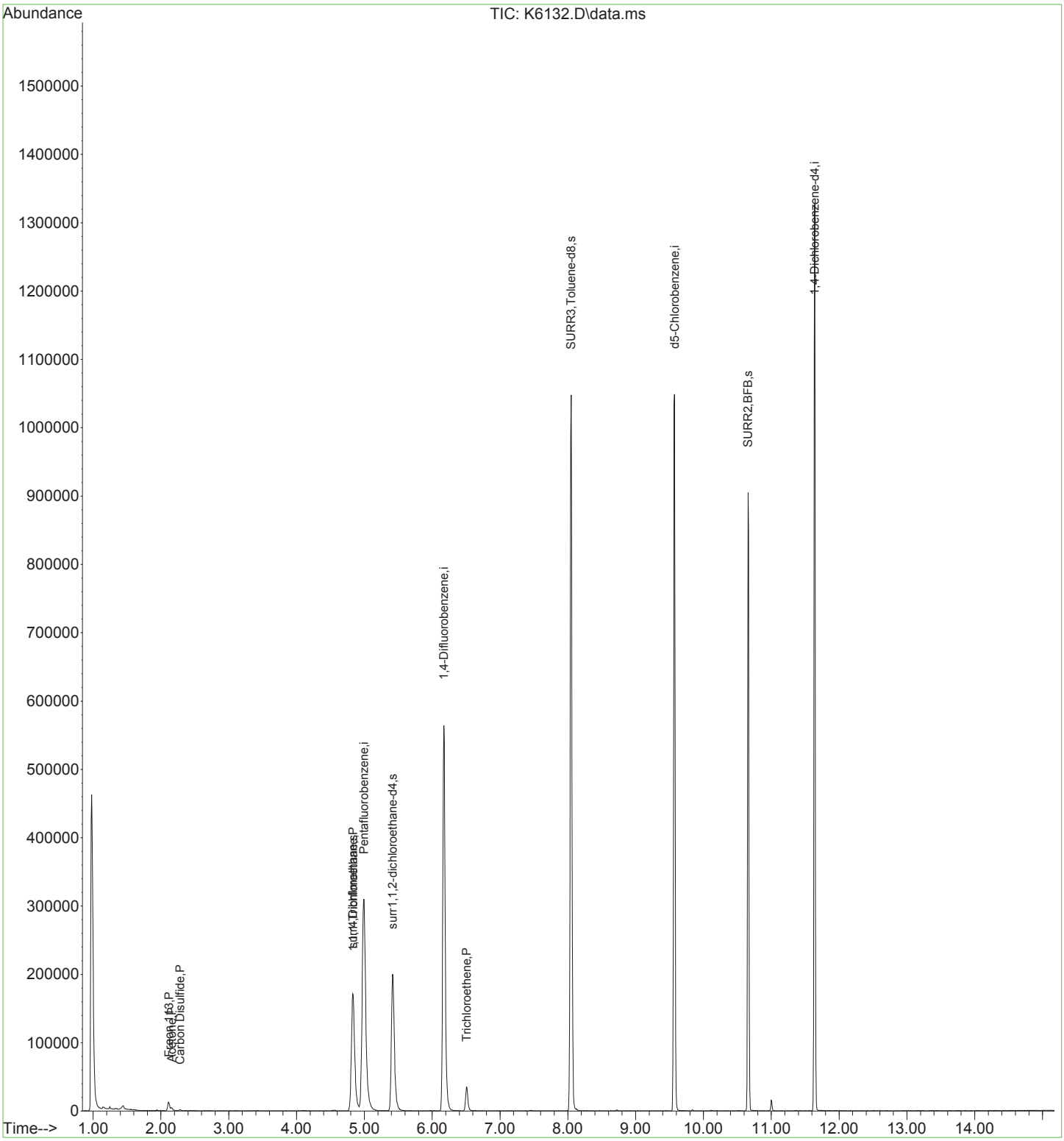
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	418993	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	634671	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	537972	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	278352	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	183013	47.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.36%			
47) surr1,1,2-dichloroetha...	5.416	65	218698	50.05	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.10%			
64) SURR3,Toluene-d8	8.049	98	710148	49.41	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.82%			
69) SURR2,BFB	10.659	95	252818	48.57	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.14%			
Target Compounds						Qvalue
15) Freon 113	2.117	101	6188m	1.778	ug/L	
16) Acetone	2.160	43	3866	2.390	ug/L	91
19) Carbon Disulfide	2.282	76	1990	0.238	ug/L	94
40) 1,1,1-Trichloroethane	4.836	97	1618m	0.297	ug/L	
53) Trichloroethene	6.507	130	16193	3.794	ug/L	96

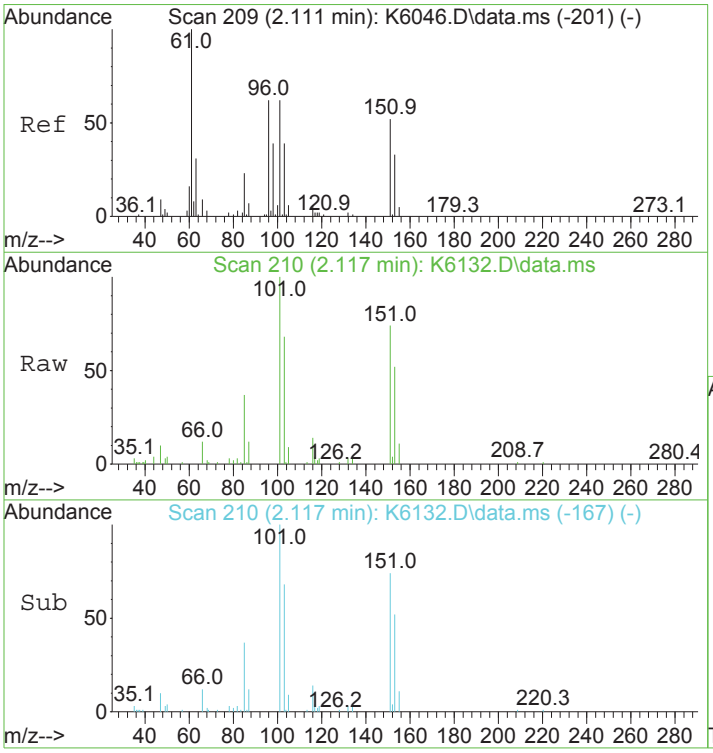
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6132.D
Acq On : 20 Sep 2024 06:20 pm
Operator : K.Ruest
Sample : R2409108-002
Misc : VERINA 8260 T2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 20 18:36:26 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

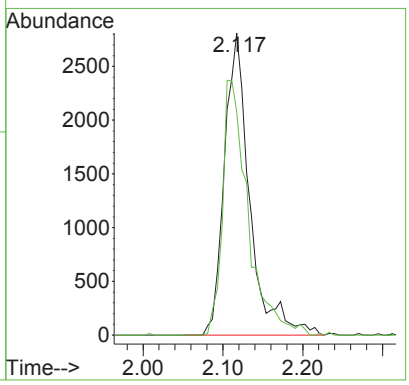


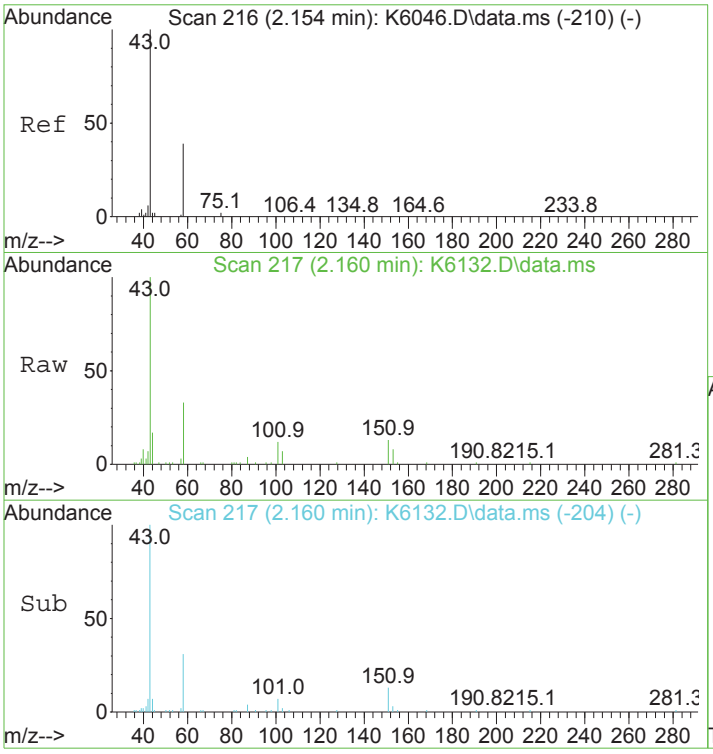


#15
Freon 113
Concen: 1.78 ug/L m
RT: 2.117 min Scan# 210
Delta R.T. 0.006 min
Lab File: K6132.D
Acq: 20 Sep 2024 06:20 pm

Tgt Ion:101 Resp: 6188

Ion	Ratio	Lower	Upper
101	100		
151	73.9	63.3	103.3

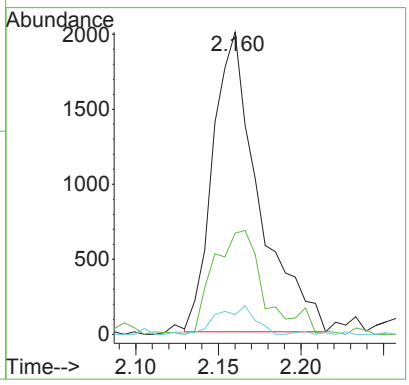


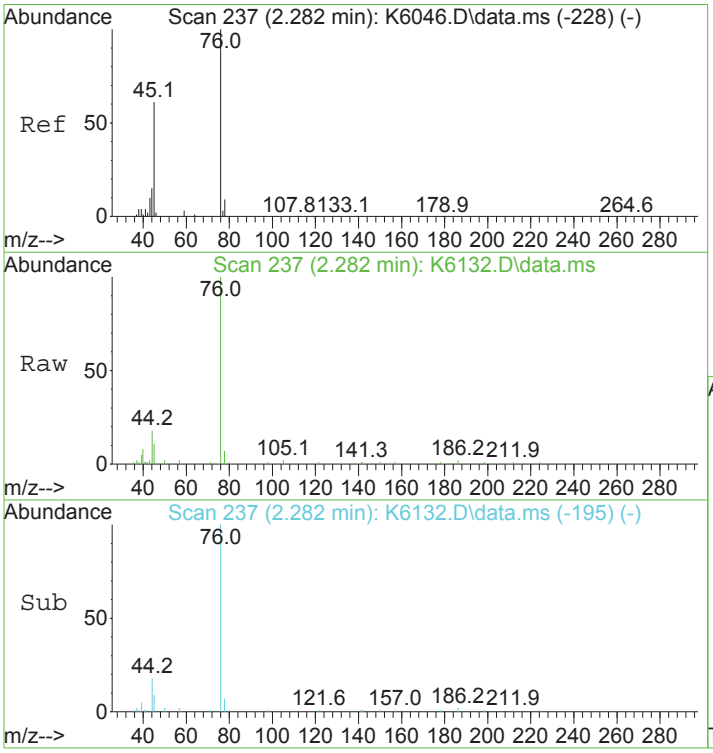


#16
Acetone
Concen: 2.39 ug/L
RT: 2.160 min Scan# 217
Delta R.T. 0.006 min
Lab File: K6132.D
Acq: 20 Sep 2024 06:20 pm

Tgt Ion: 43 Resp: 3866

Ion	Ratio	Lower	Upper
43	100		
58	33.5	19.6	59.6
42	6.6	0.0	26.6

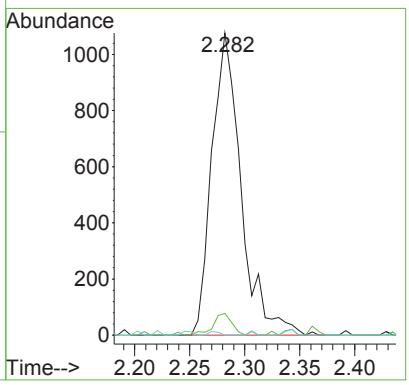


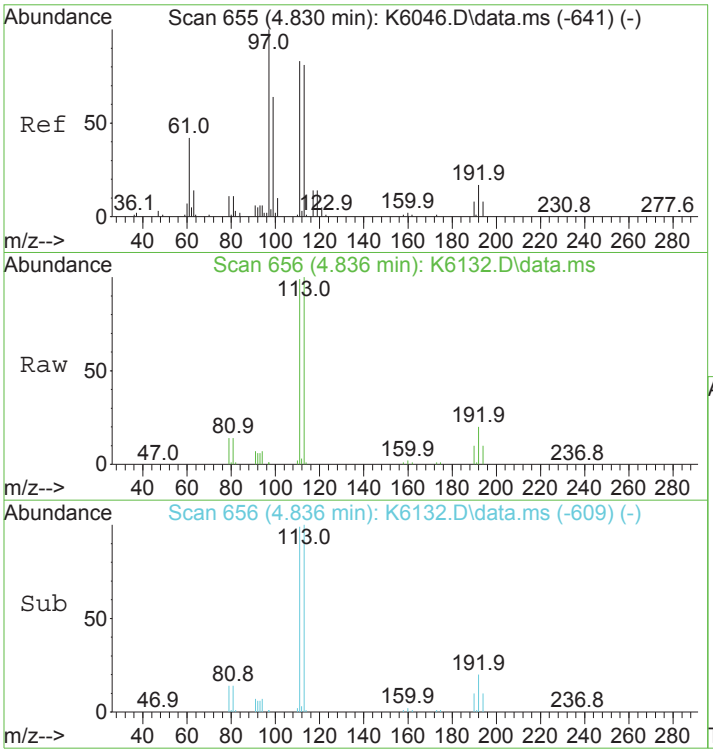


#19
Carbon Disulfide
Concen: 0.24 ug/L
RT: 2.282 min Scan# 237
Delta R.T. -0.000 min
Lab File: K6132.D
Acq: 20 Sep 2024 06:20 pm

Tgt Ion: 76 Resp: 1990

Ion	Ratio	Lower	Upper
76	100		
78	7.2	0.0	29.4
77	0.0	0.0	22.8

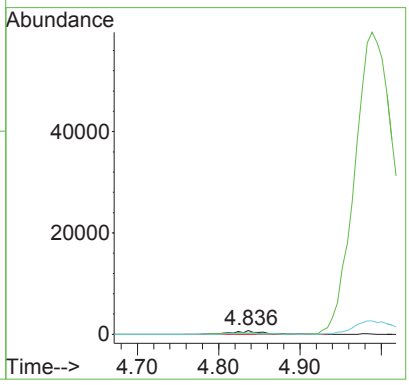


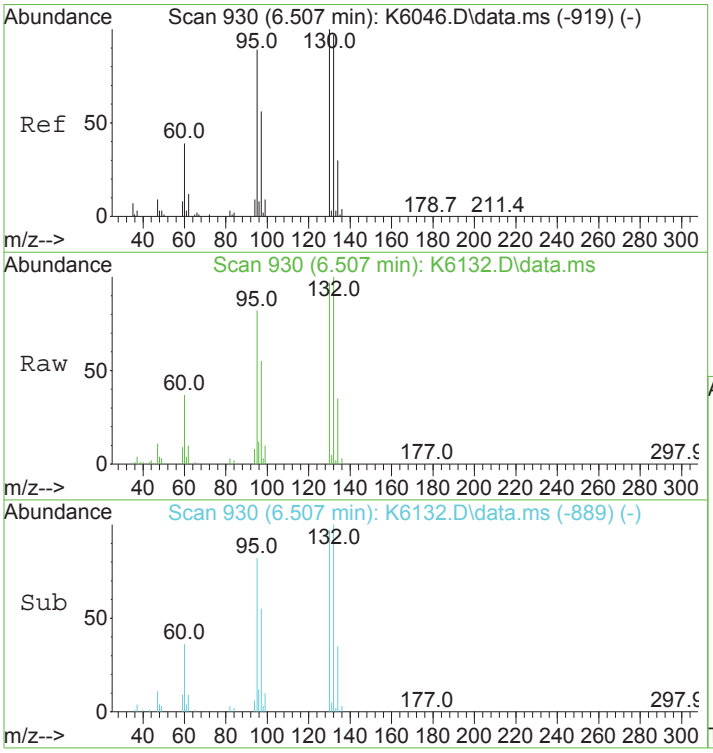


#40
1,1,1-Trichloroethane
Concen: 0.30 ug/L m
RT: 4.836 min Scan# 656
Delta R.T. 0.006 min
Lab File: K6132.D
Acq: 20 Sep 2024 06:20 pm

Tgt Ion: 97 Resp: 1618

Ion	Ratio	Lower	Upper
97	100		
99	49.7	43.7	83.7
61	55.4	22.1	62.1

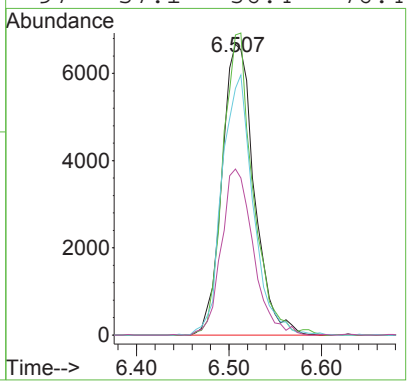




#53
Trichloroethene
Concen: 3.79 ug/L
RT: 6.507 min Scan# 930
Delta R.T. -0.000 min
Lab File: K6132.D
Acq: 20 Sep 2024 06:20 pm

Tgt Ion:130 Resp: 16193

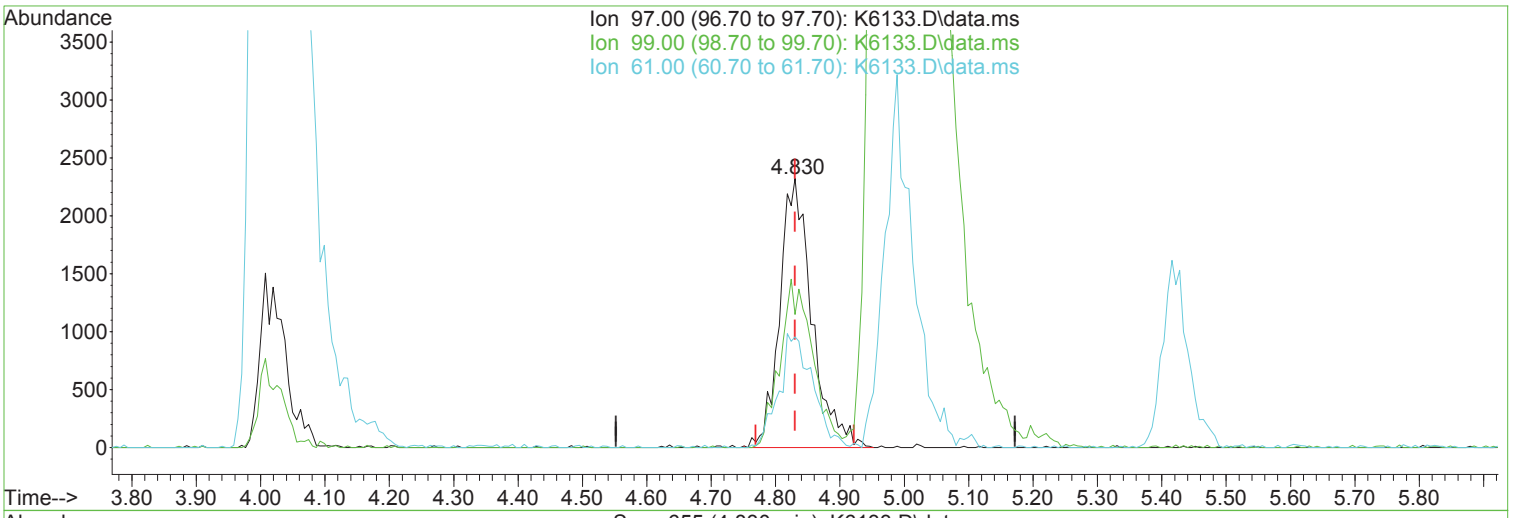
Ion	Ratio	Lower	Upper
130	100		
132	103.2	76.7	116.7
95	84.8	68.5	108.5
97	57.1	36.4	76.4

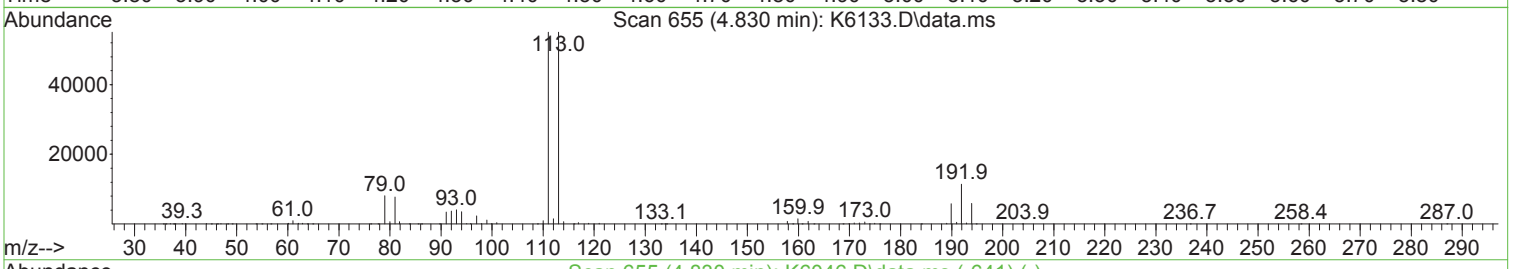


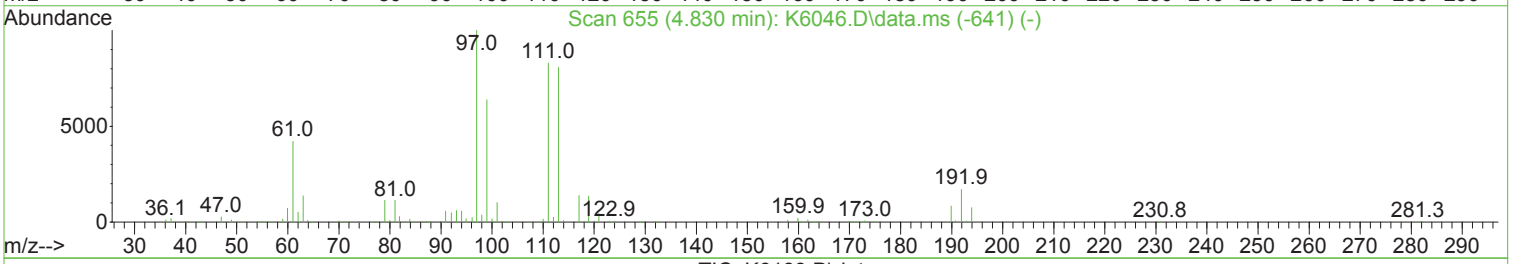
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6133.D
Acq On : 20 Sep 2024 06:43 pm
Operator : K.Ruest
Sample : R2409108-004
Misc : VERINA 8260 T2
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 20 19:06:45 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6133.D\data.ms

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

4.830min (-0.000) 1.47 ug/L m

response 8036

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	49.46
61.00	42.10	41.19
0.00	0.00	0.00

Manual Integration:

After

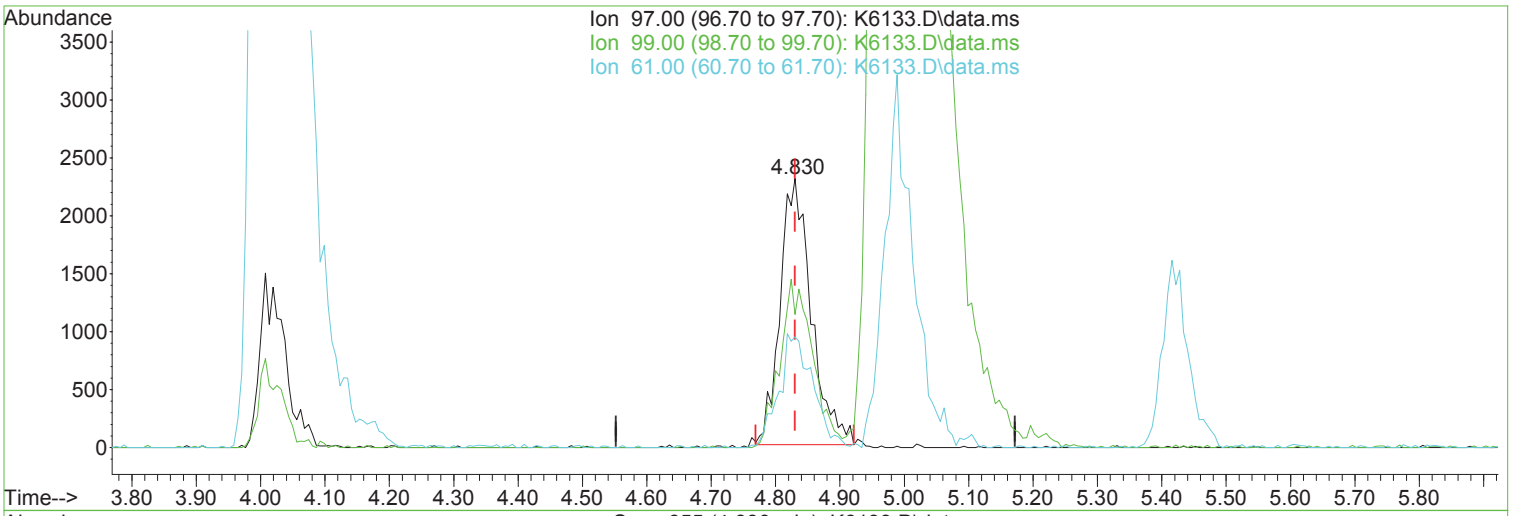
Poor integration.

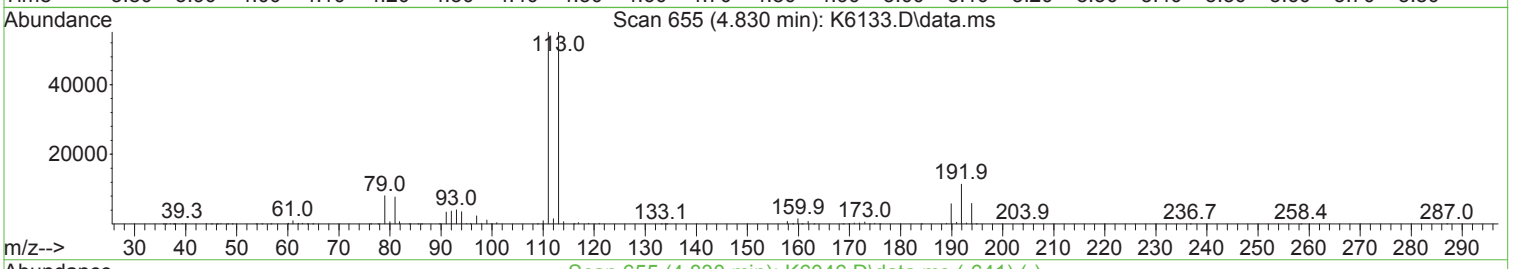
09/26/24

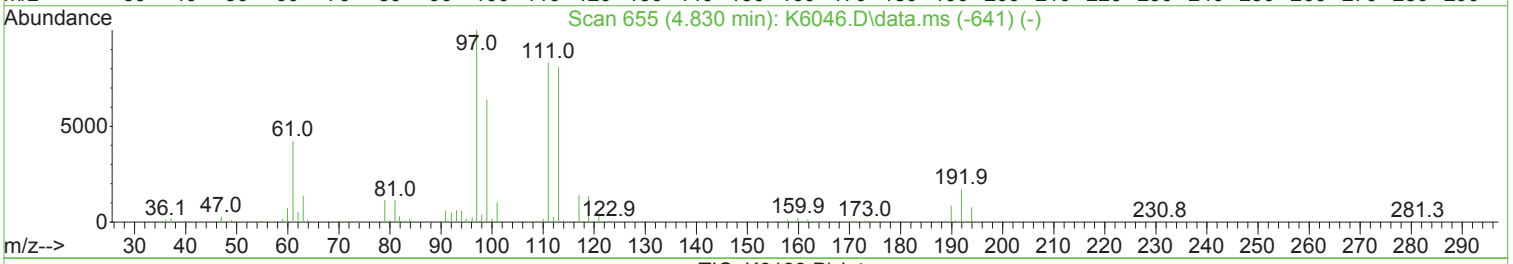
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6133.D
Acq On : 20 Sep 2024 06:43 pm
Operator : K.Ruest
Sample : R2409108-004
Misc : VERINA 8260 T2
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 20 19:06:45 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6133.D\data.ms

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

4.830min (-0.000) 1.41 ug/L

response 7696

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	49.46
61.00	42.10	41.19
0.00	0.00	0.00

Manual Integration:

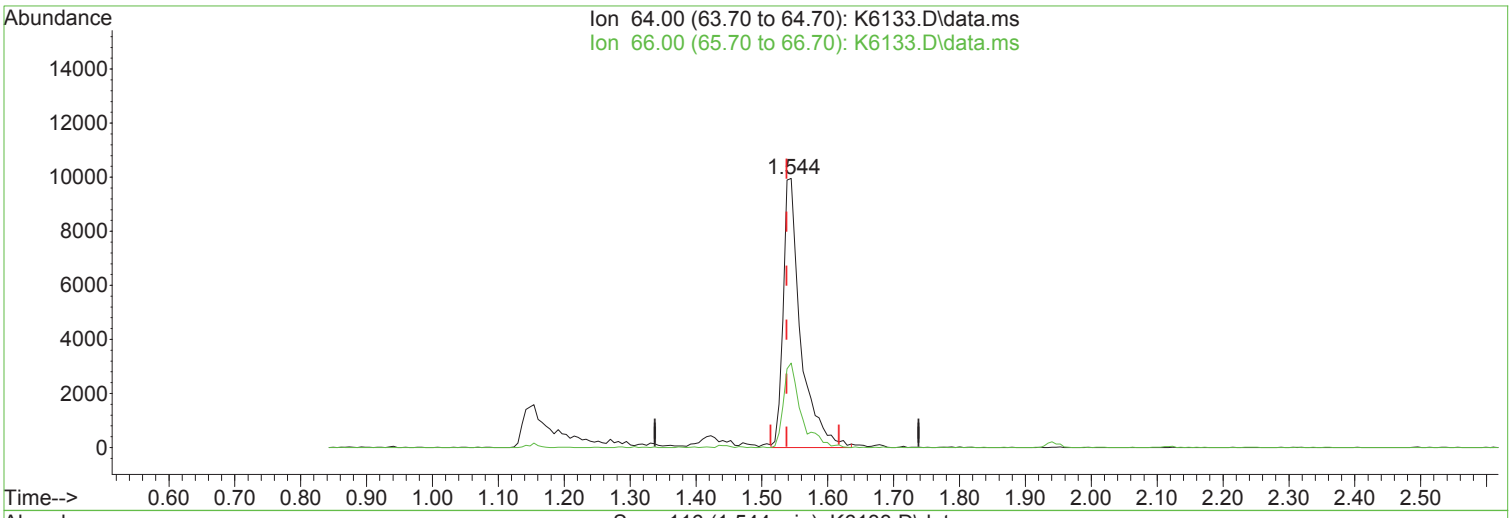
Before

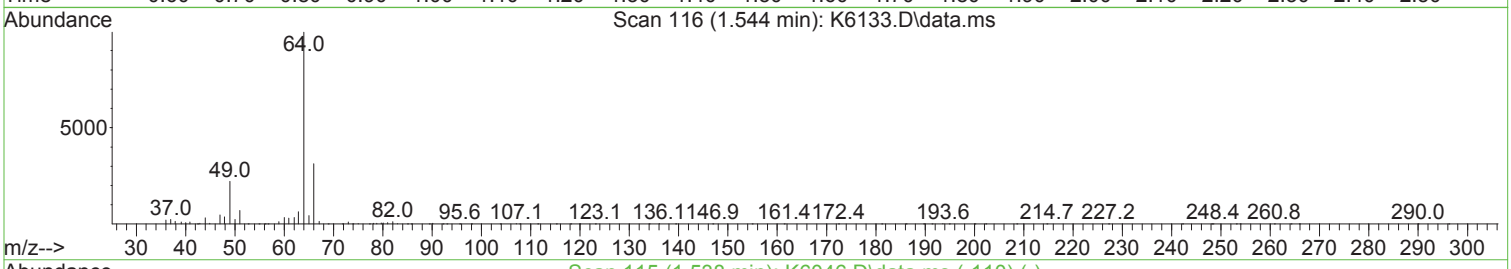
09/26/24

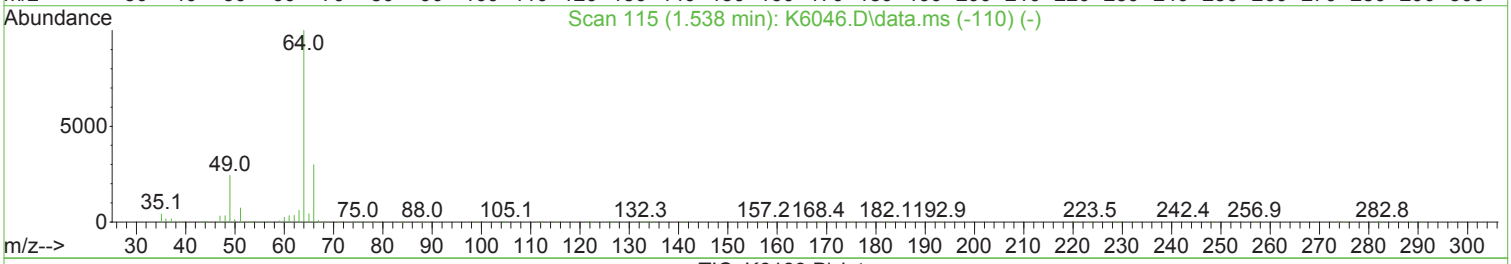
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6133.D
Acq On : 20 Sep 2024 06:43 pm
Operator : K.Ruest
Sample : R2409108-004
Misc : VERINA 8260 T2
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 20 19:06:45 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6133.D\data.ms

(7) Chloroethane (P)

1.544min (+ 0.006) 7.17 ug/L m

response 18278

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	29.80	31.39
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

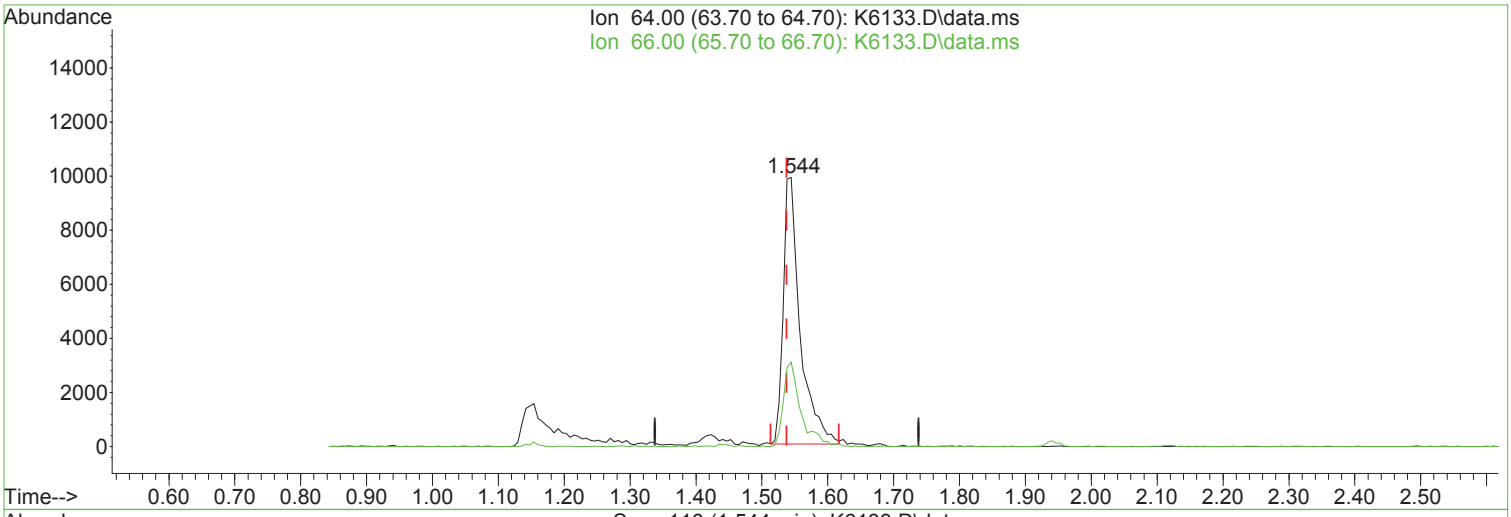
Poor integration.

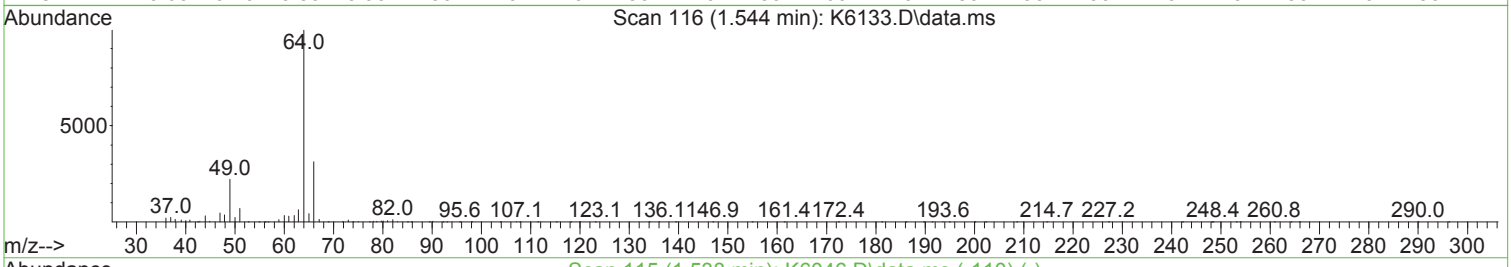
09/26/24

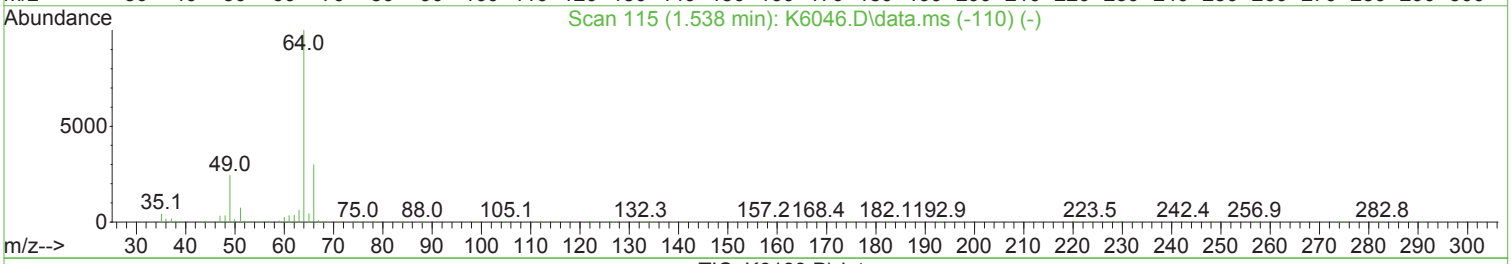
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6133.D
Acq On : 20 Sep 2024 06:43 pm
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Quant Time: Sep 20 19:06:45 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6133.D\data.ms

(7) Chloroethane (P) **Manual Integration:**

1.544min (+ 0.006) 6.85 ug/L **Before**

response 17503

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	29.80	31.39
0.00	0.00	0.00
0.00	0.00	0.00

09/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6133.D
Acq On : 20 Sep 2024 06:43 pm
Operator : K.Ruest
Sample : R2409108-004
Misc : VERINA 8260 T2
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 20 19:06:45 2024
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
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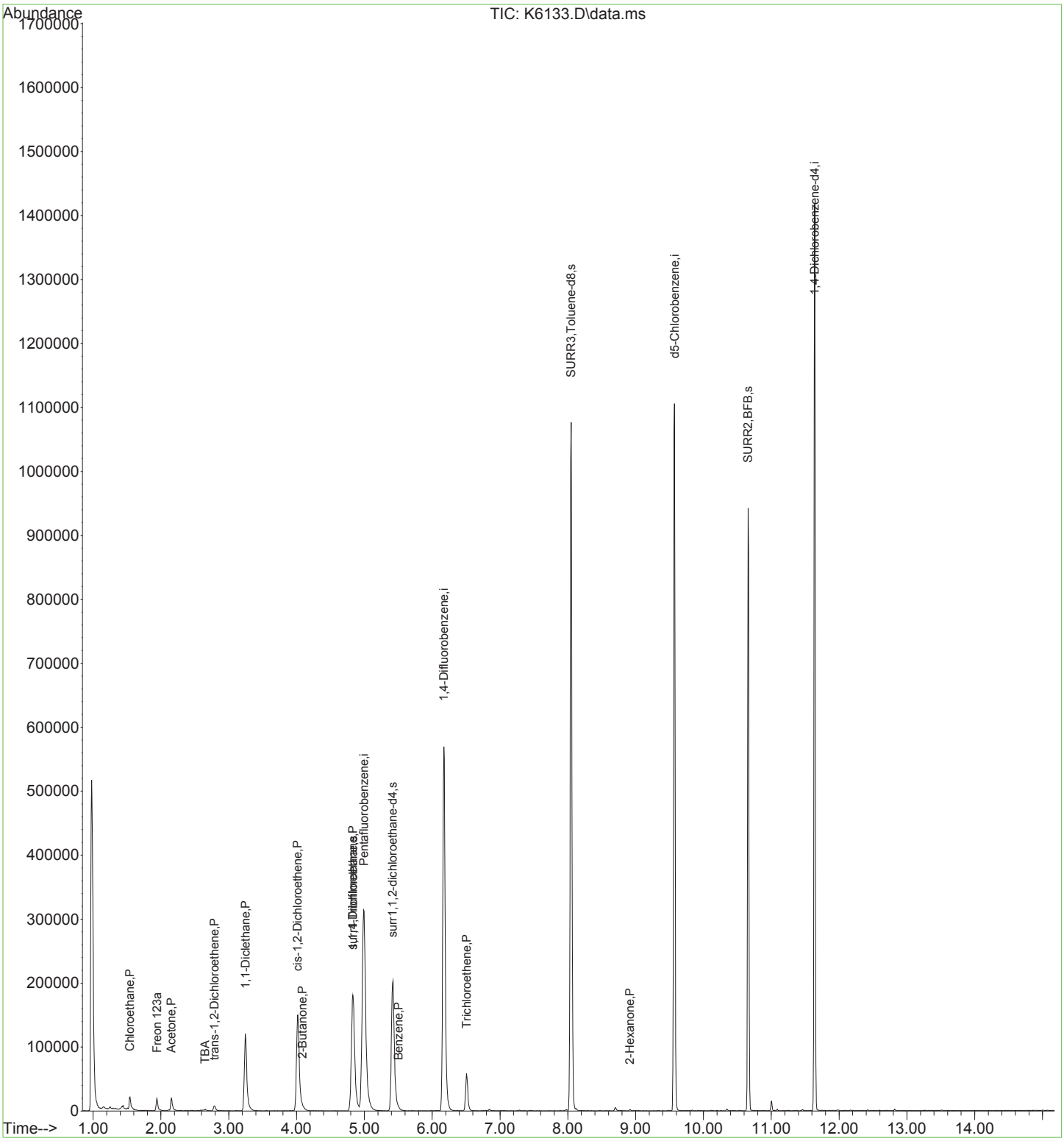
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.995	168	420879	50.00	ug/L		0.00
42) 1,4-Difluorobenzene	6.171	114	647285	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.573	117	556870	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	290010	50.00	ug/L		0.00
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.830	113	189294	48.35	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.70%				
47) surr1,1,2-dichloroetha...	5.416	65	223315	50.11	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.22%				
64) SURR3,Toluene-d8	8.049	98	725278	49.48	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.96%				
69) SURR2,BFB	10.658	95	258741	48.74	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.48%				
Target Compounds							Qvalue
7) Chloroethane	1.544	64	18278m	7.169	ug/L		
11) Freon 123a	1.941	67	9917	2.628	ug/L		87
16) Acetone	2.154	43	23607	14.531	ug/L		94
23) TBA	2.654	59	1804	3.397	ug/L		77
26) trans-1,2-Dichloroethene	2.788	96	3848	1.039	ug/L	#	82
27) 1,1-Diclethane	3.245	63	156391	23.484	ug/L		98
33) cis-1,2-Dichloroethene	4.013	96	104728	26.608	ug/L	#	83
34) 2-Butanone	4.086	43	5011	2.426	ug/L		88
40) 1,1,1-Trichloroethane	4.830	97	8036m	1.468	ug/L		
48) Benzene	5.501	78	3237	0.233	ug/L	#	1
53) Trichloroethene	6.507	130	26372	6.059	ug/L		96
72) 2-Hexanone	8.915	43	1295	0.456	ug/L		89

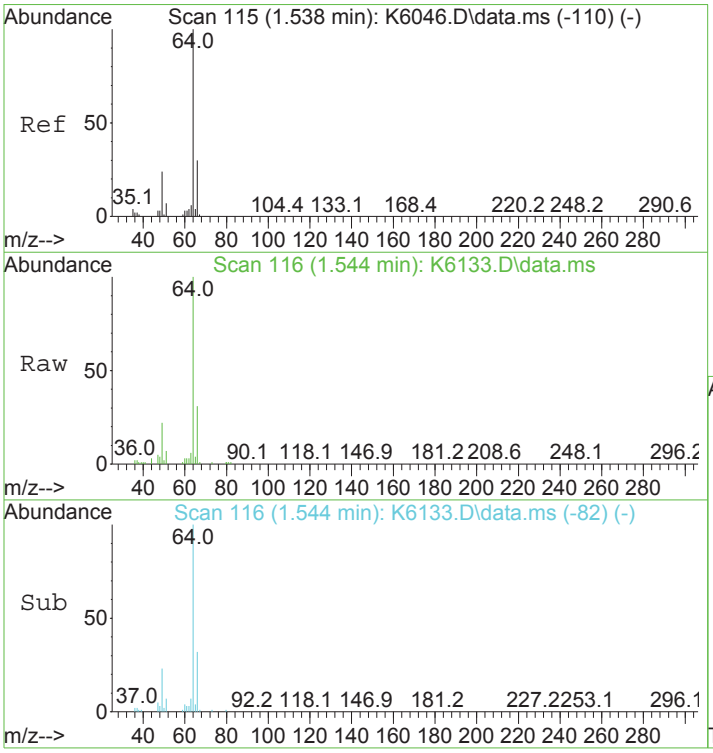
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6133.D
Acq On : 20 Sep 2024 06:43 pm
Operator : K.Ruest
Sample : R2409108-004
Misc : VERINA 8260 T2
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 20 19:06:45 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

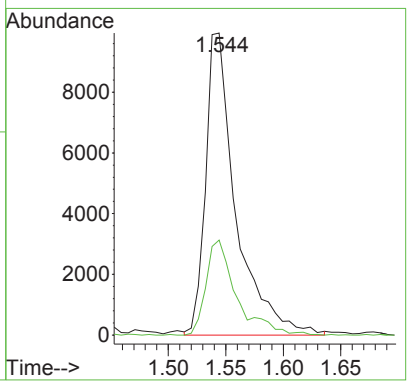


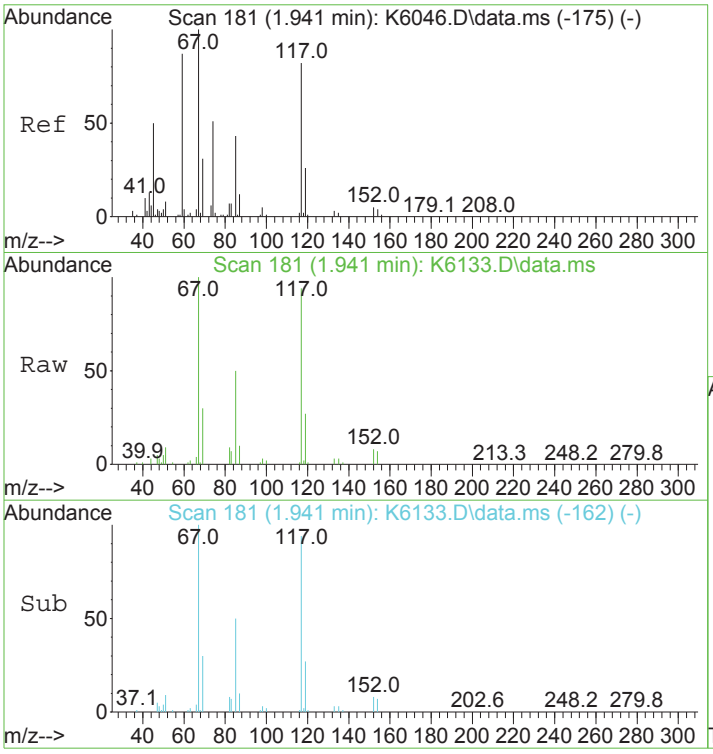


#7
Chloroethane
Concen: 7.17 ug/L m
RT: 1.544 min Scan# 116
Delta R.T. 0.006 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 64 Resp: 18278

Ion	Ratio	Lower	Upper
64	100		
66	31.4	9.8	49.8

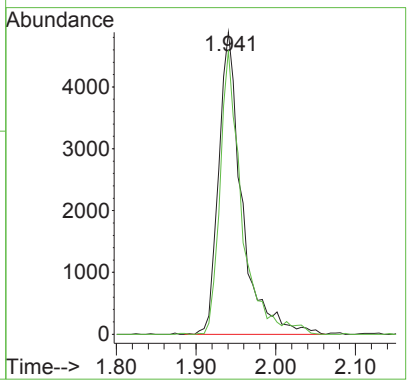


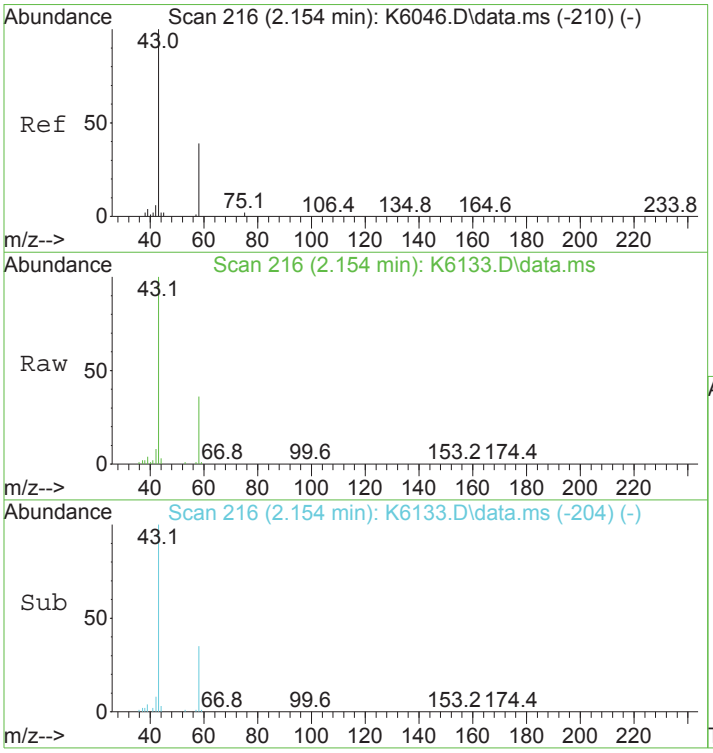


#11
Freon 123a
Concen: 2.63 ug/L
RT: 1.941 min Scan# 181
Delta R.T. -0.000 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 67 Resp: 9917

Ion	Ratio	Lower	Upper
67	100		
117	94.0	62.2	102.2

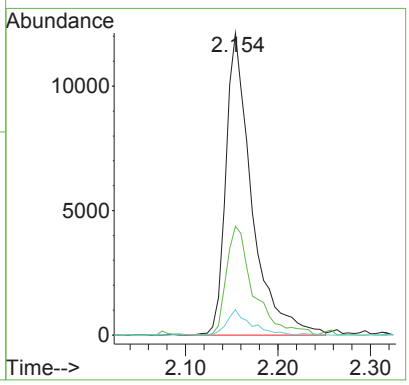


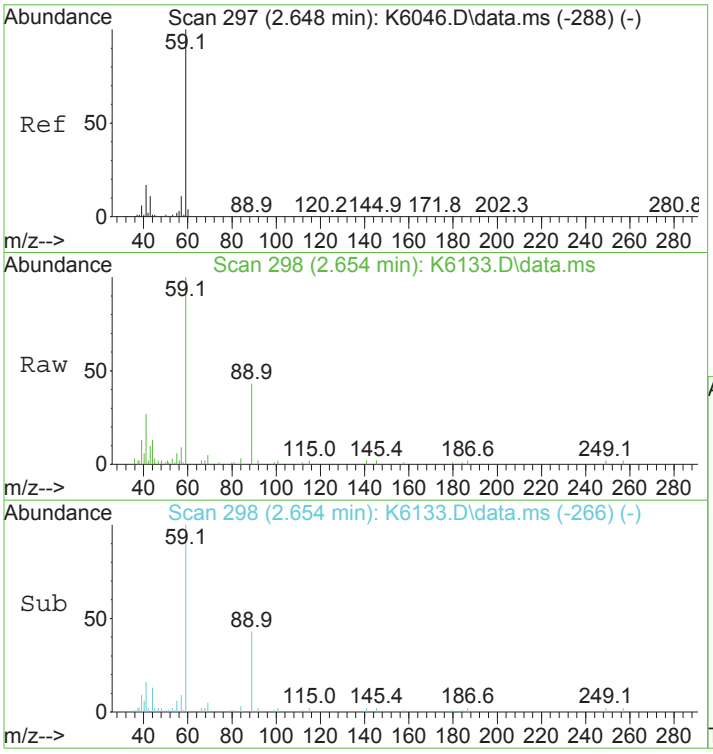


#16
Acetone
Concen: 14.53 ug/L
RT: 2.154 min Scan# 216
Delta R.T. -0.000 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 43 Resp: 23607

Ion	Ratio	Lower	Upper
43	100		
58	36.0	19.6	59.6
42	8.4	0.0	26.6

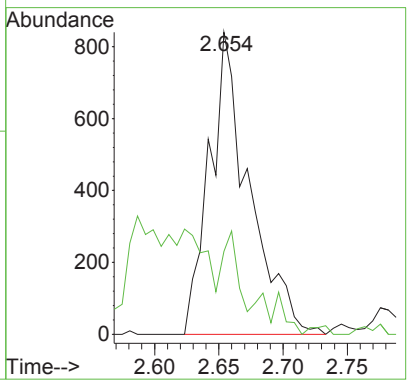


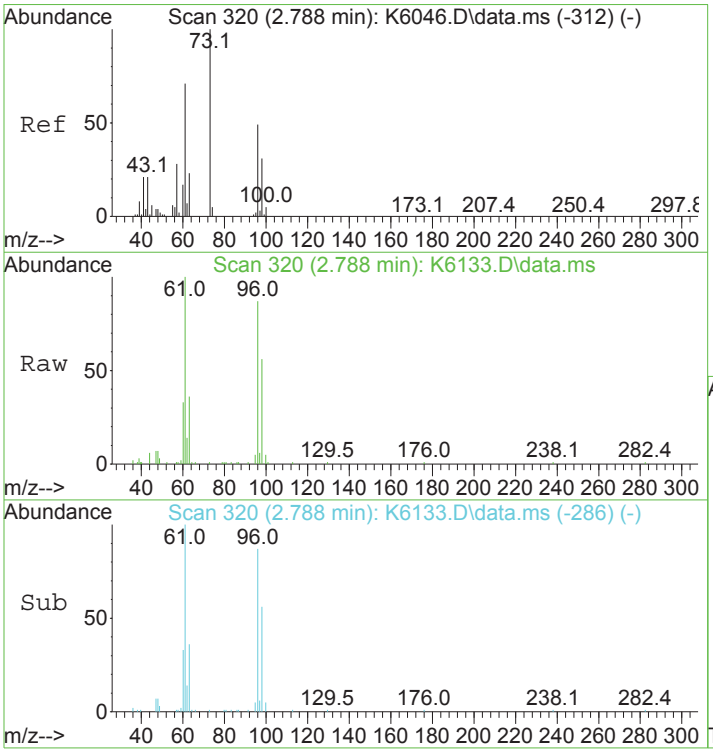


#23
TBA
Concen: 3.40 ug/L
RT: 2.654 min Scan# 298
Delta R.T. 0.006 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 59 Resp: 1804

Ion	Ratio	Lower	Upper
59	100		
41	27.4	0.0	37.2

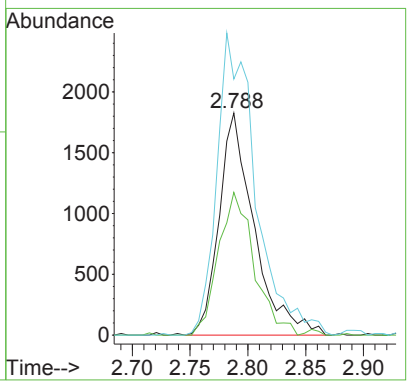


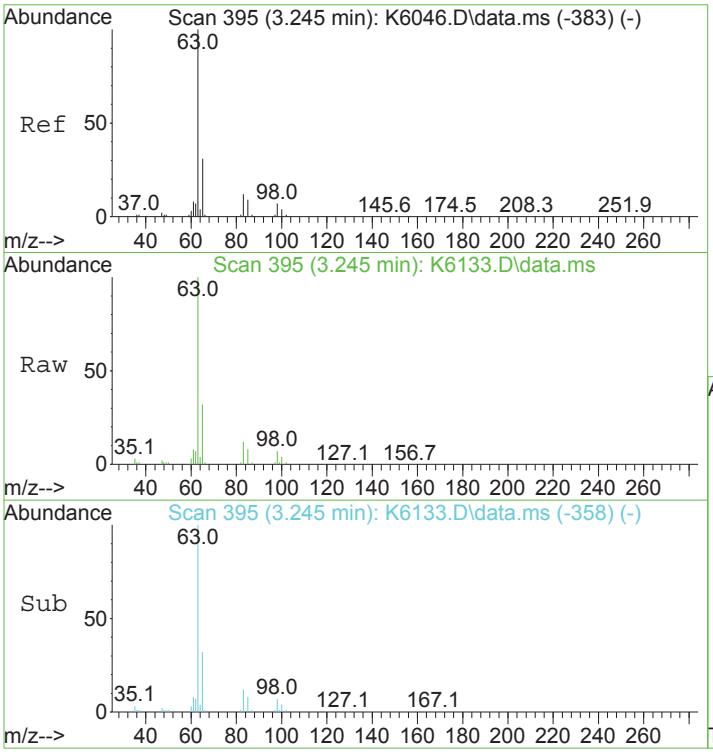


#26
trans-1,2-Dichloroethene
Concen: 1.04 ug/L
RT: 2.788 min Scan# 320
Delta R.T. -0.000 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 96 Resp: 3848

Ion	Ratio	Lower	Upper
96	100		
98	64.3	43.1	83.1
61	115.3	126.3	166.3#

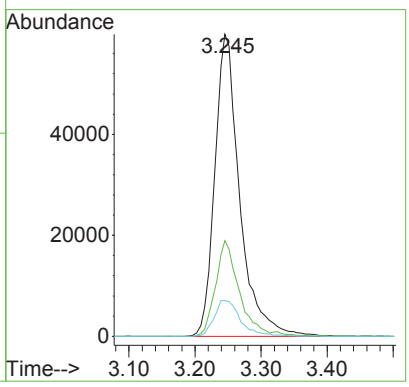


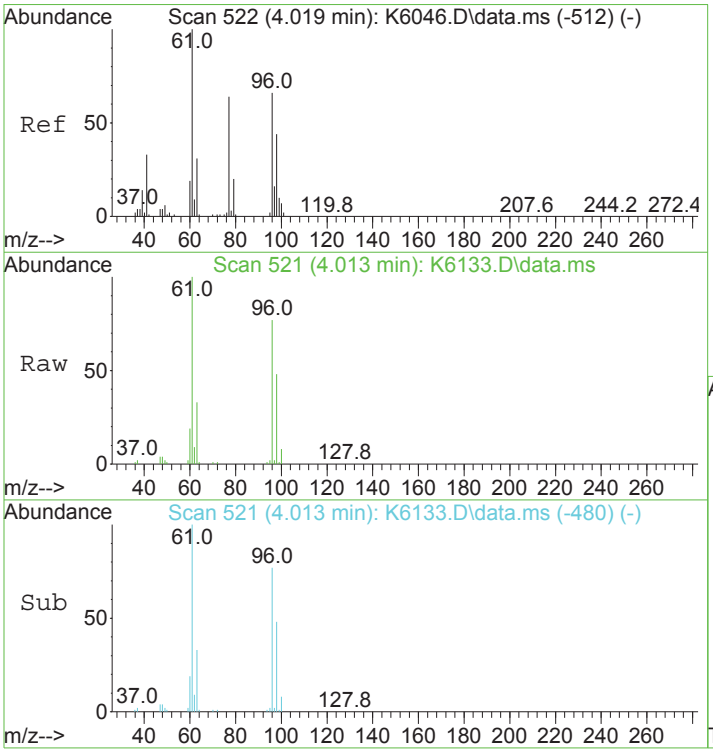


#27
1,1-Diclethane
Concen: 23.48 ug/L
RT: 3.245 min Scan# 395
Delta R.T. -0.000 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 63 Resp: 156391

Ion	Ratio	Lower	Upper
63	100		
65	31.6	10.5	50.5
83	11.9	0.0	32.3

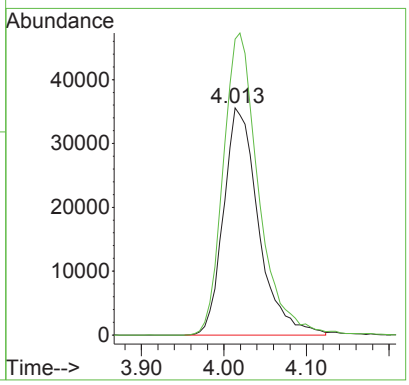


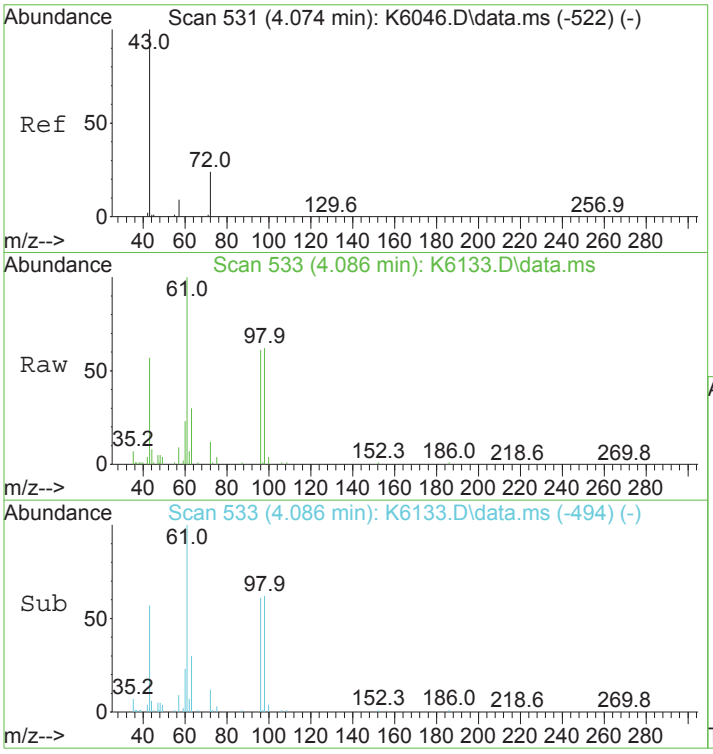


#33
cis-1,2-Dichloroethene
Concen: 26.61 ug/L
RT: 4.013 min Scan# 521
Delta R.T. -0.006 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 96 Resp: 104728

Ion	Ratio	Lower	Upper
96	100		
61	130.4	131.5	171.5#

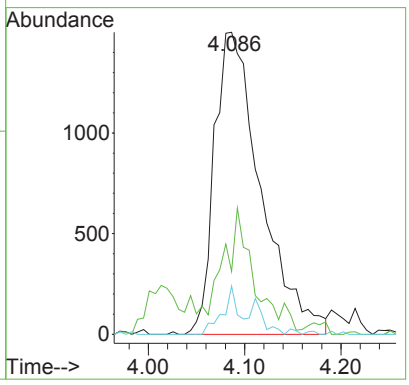


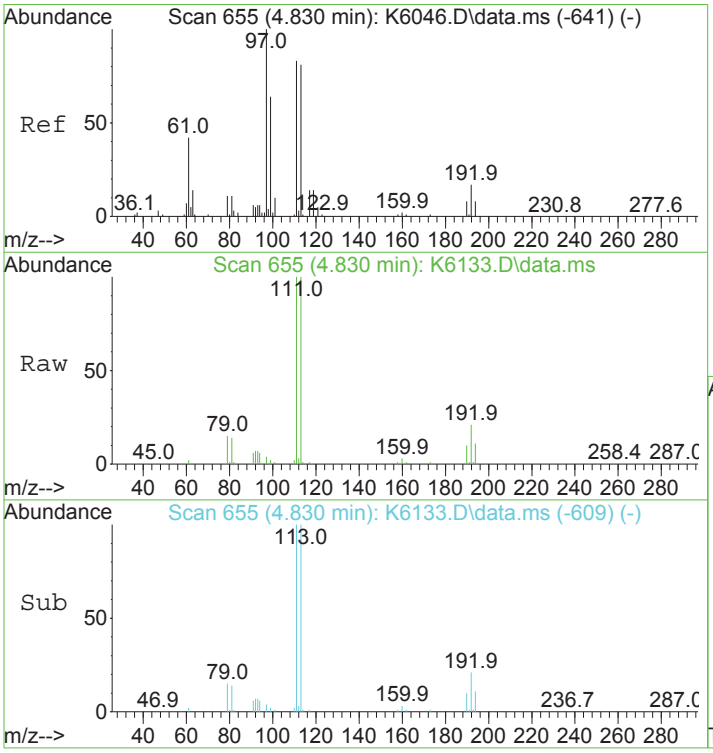


#34
2-Butanone
Concen: 2.43 ug/L
RT: 4.086 min Scan# 533
Delta R.T. 0.012 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 43 Resp: 5011

Ion	Ratio	Lower	Upper
43	100		
72	20.8	5.8	45.8
57	15.9	0.0	29.4

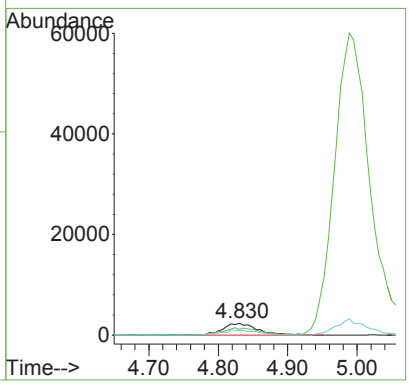


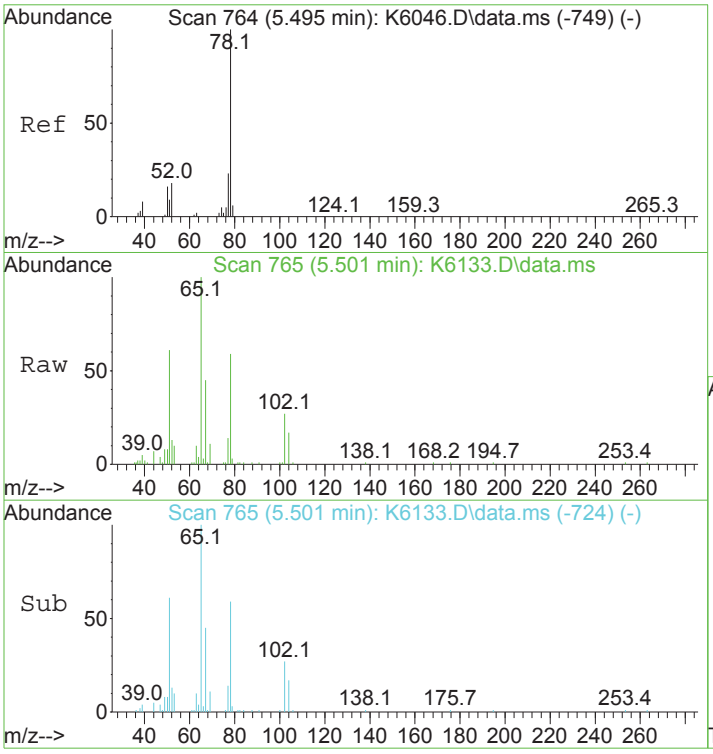


#40
1,1,1-Trichloroethane
Concen: 1.47 ug/L m
RT: 4.830 min Scan# 655
Delta R.T. -0.000 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 97 Resp: 8036

Ion	Ratio	Lower	Upper
97	100		
99	49.5	43.7	83.7
61	41.2	22.1	62.1

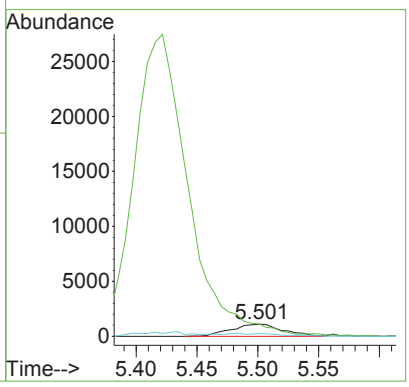


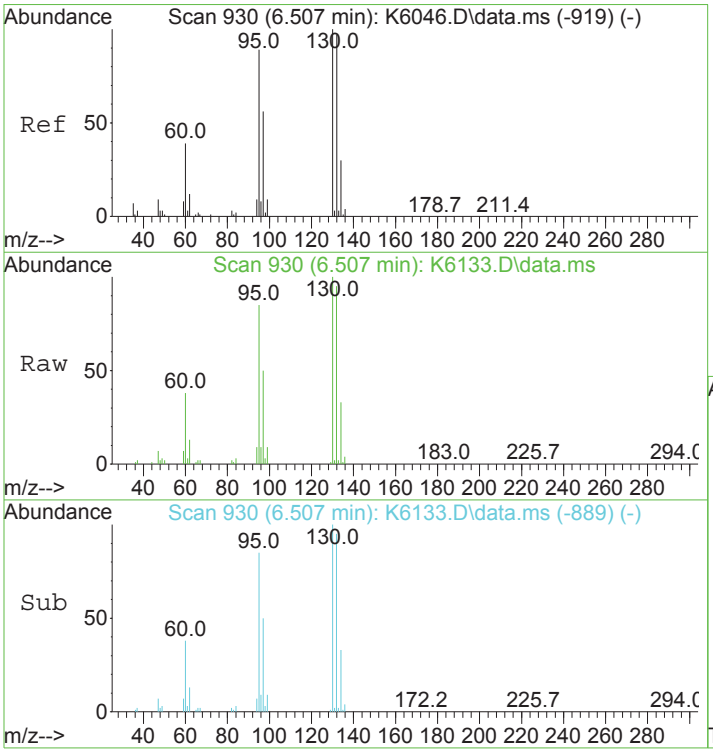


#48
Benzene
Concen: 0.23 ug/L
RT: 5.501 min Scan# 765
Delta R.T. 0.006 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 78 Resp: 3237

Ion	Ratio	Lower	Upper
78	100		
51	102.4	0.0	38.5#
52	22.1	0.0	38.2

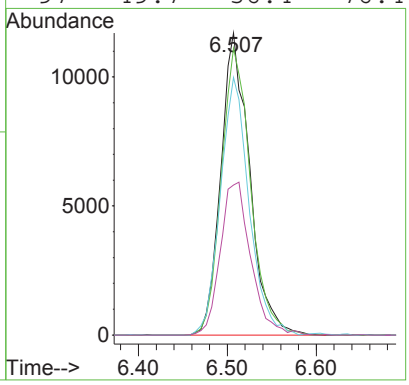


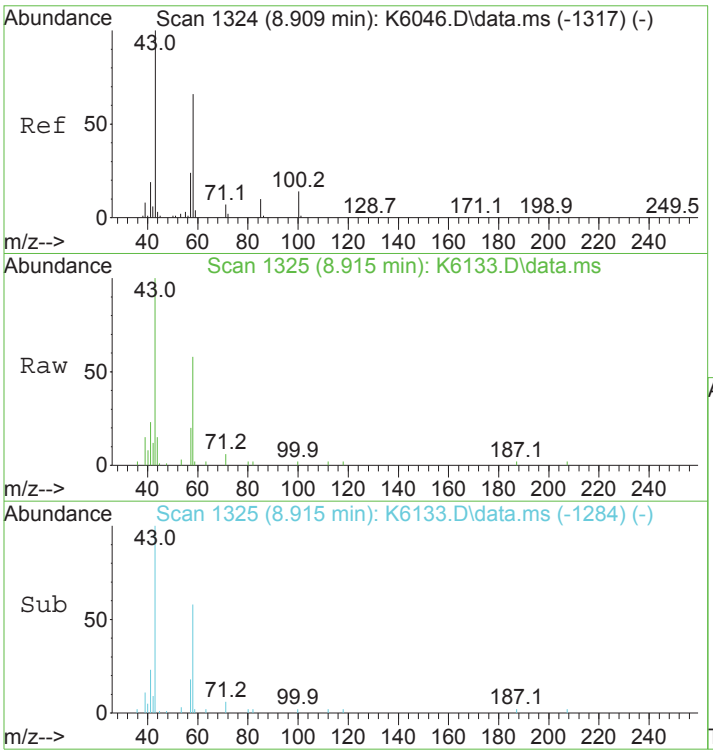


#53
Trichloroethene
Concen: 6.06 ug/L
RT: 6.507 min Scan# 930
Delta R.T. -0.000 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion:130 Resp: 26372

Ion	Ratio	Lower	Upper
130	100		
132	95.0	76.7	116.7
95	85.3	68.5	108.5
97	49.7	36.4	76.4

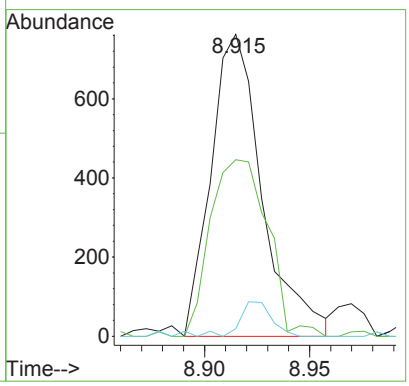




#72
2-Hexanone
Concen: 0.46 ug/L
RT: 8.915 min Scan# 1325
Delta R.T. 0.006 min
Lab File: K6133.D
Acq: 20 Sep 2024 06:43 pm

Tgt Ion: 43 Resp: 1295

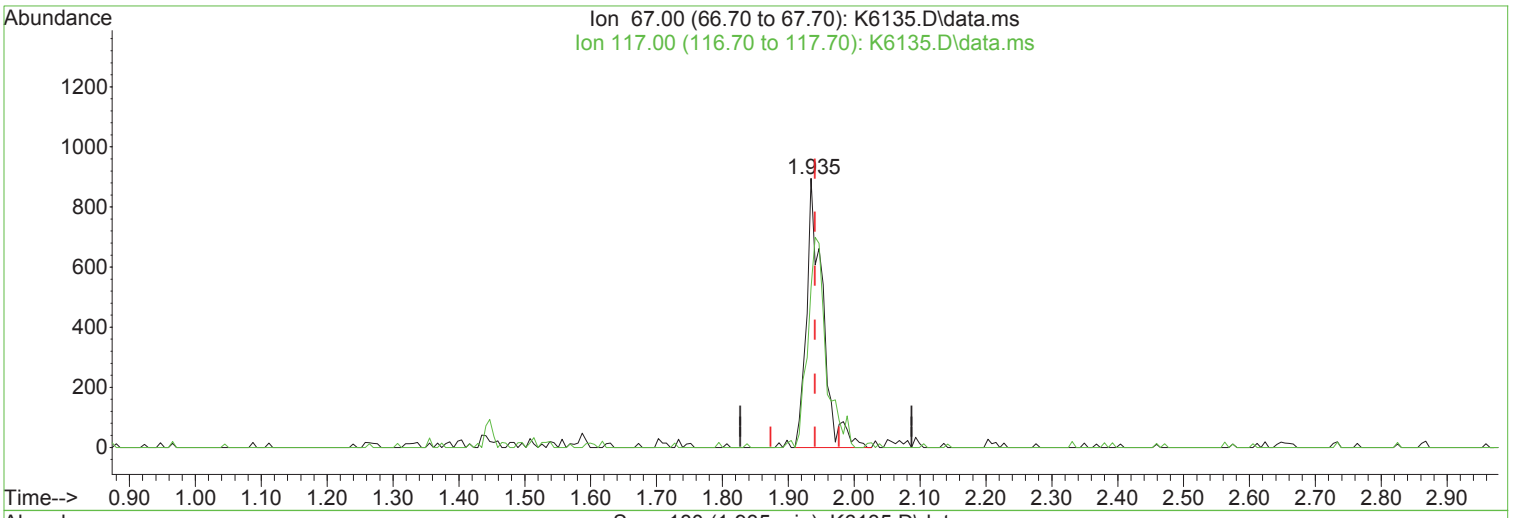
Ion	Ratio	Lower	Upper
43	100		
58	60.2	46.0	86.0
100	2.5	0.0	33.8

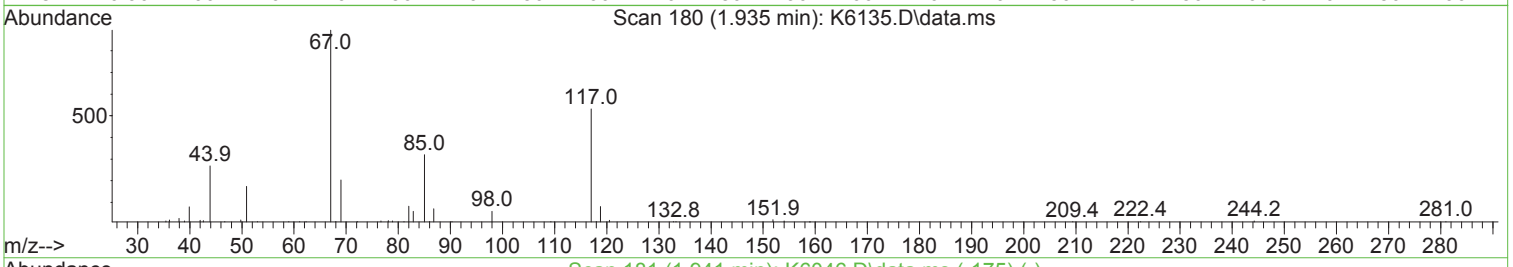


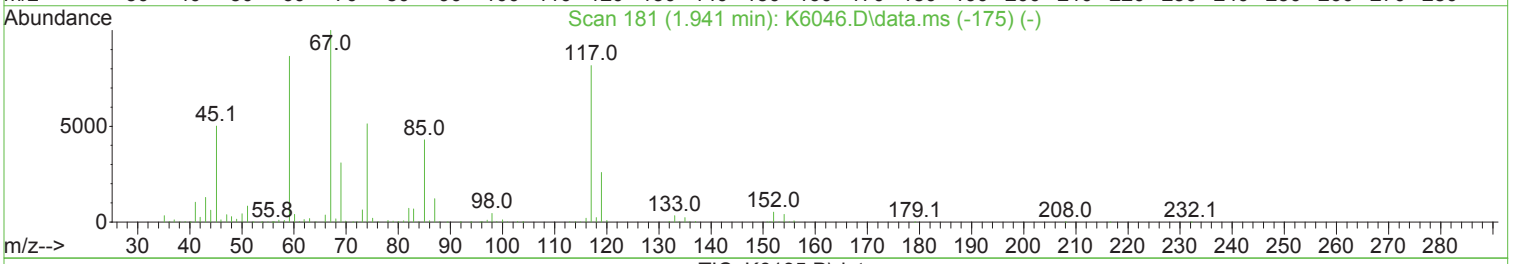
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6135.D
Acq On : 20 Sep 2024 07:29 pm
Operator : K.Ruest
Sample : R2409108-010|10
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 21 07:31:33 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6135.D\data.ms

(11) Freon 123a

1.935min (-0.006) 0.40 ug/L m

response 1527

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	82.20	59.33#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

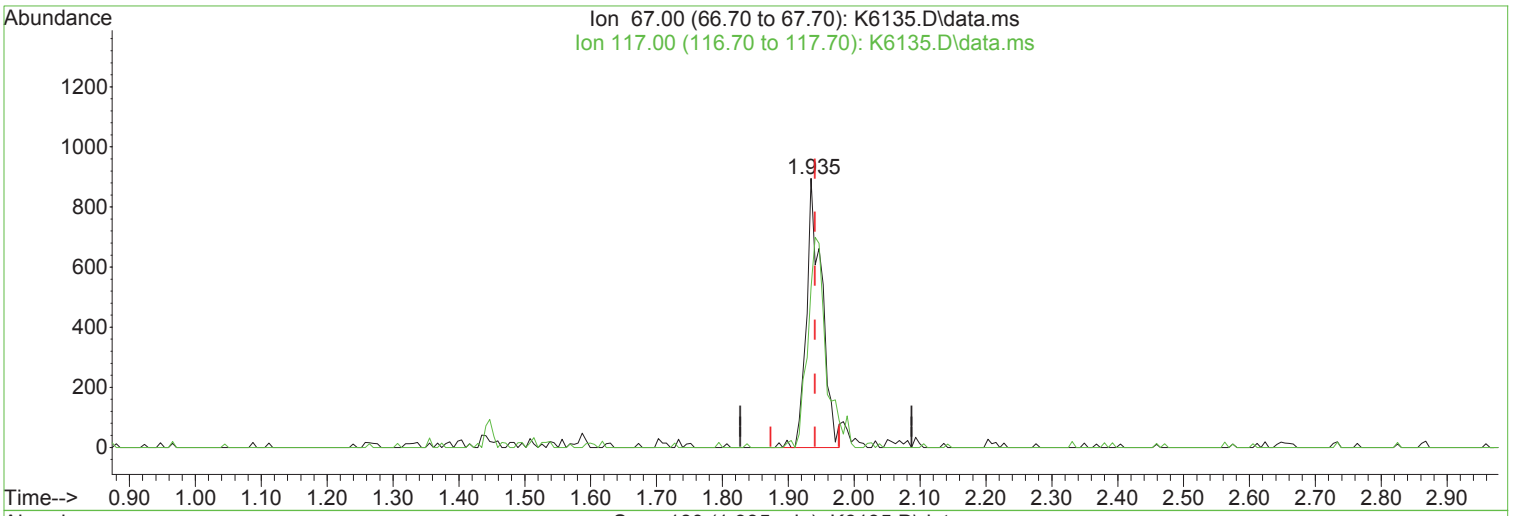
Poor integration.

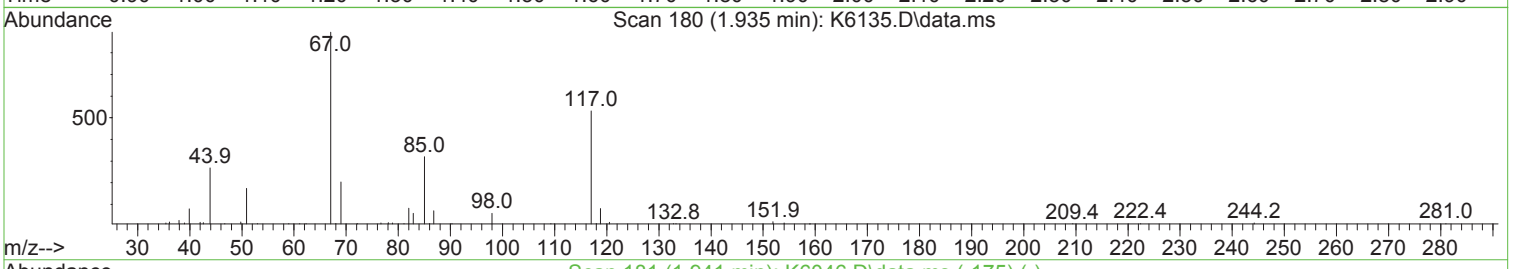
09/26/24

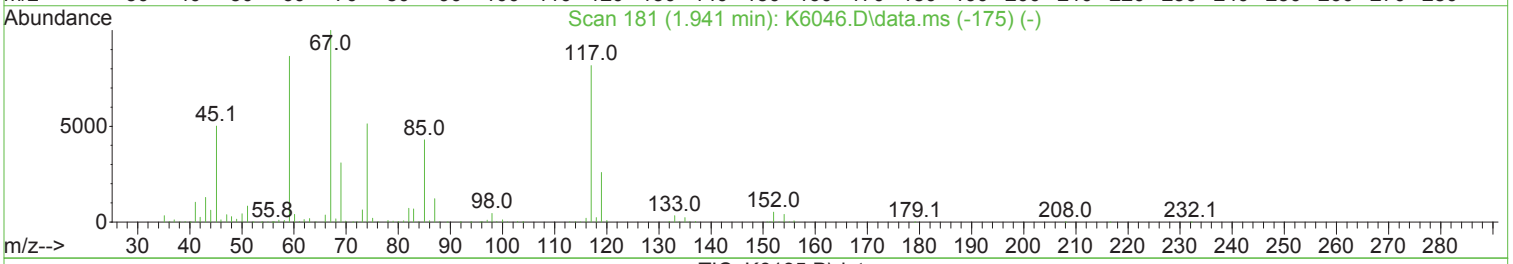
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6135.D
Acq On : 20 Sep 2024 07:29 pm
Operator : K.Ruest
Sample : R2409108-010|10
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 21 07:31:33 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6135.D\data.ms

(11) Freon 123a

1.935min (-0.006) 0.39 ug/L

response 1460

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	82.20	59.33#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

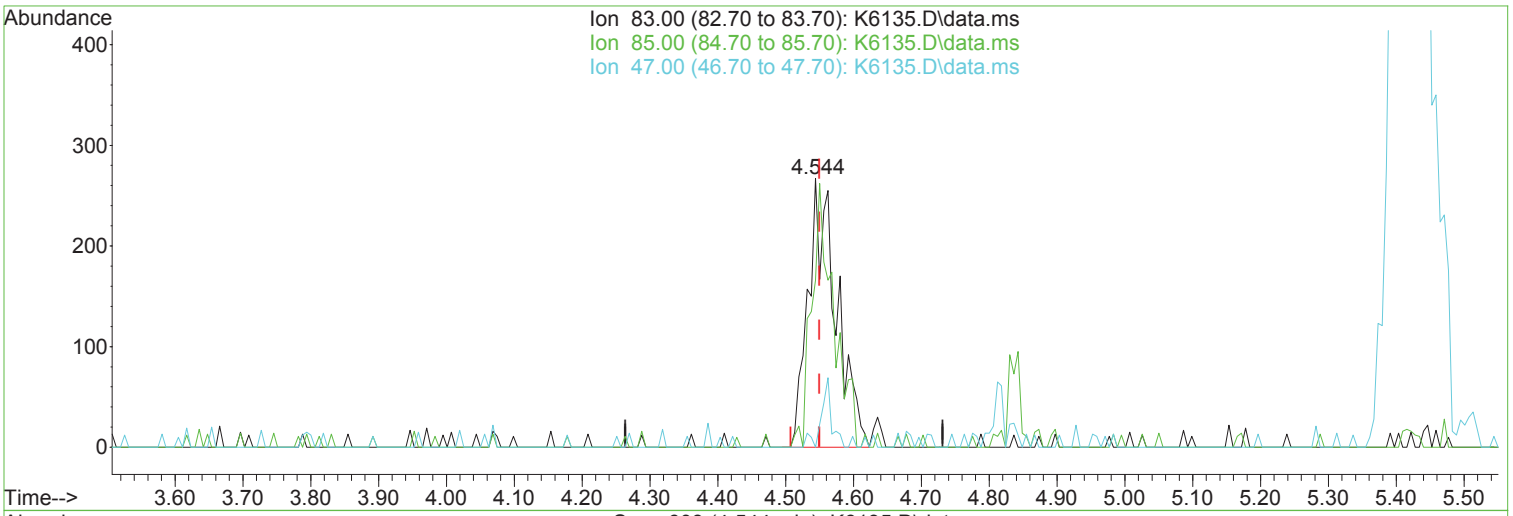
Before

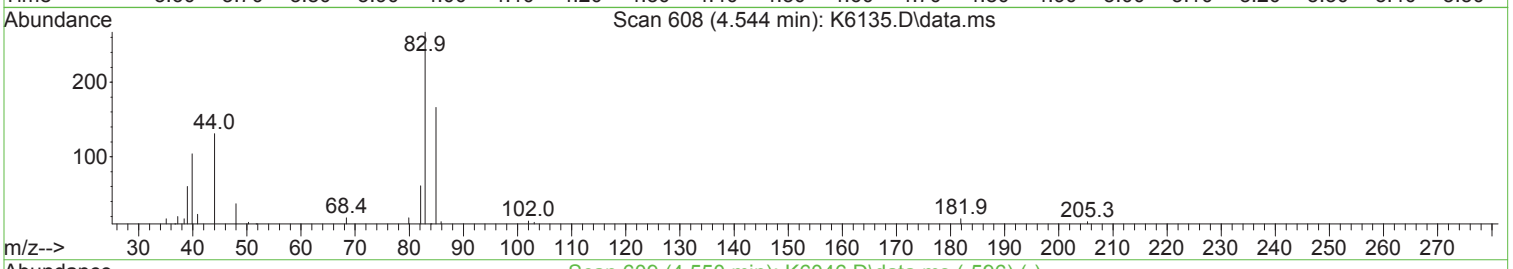
09/26/24

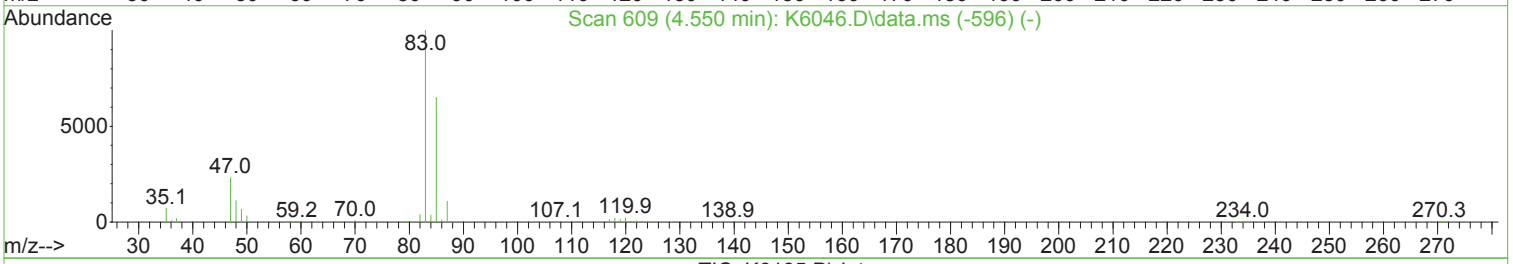
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6135.D
Acq On : 20 Sep 2024 07:29 pm
Operator : K.Ruest
Sample : R2409108-010|10
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 21 07:31:33 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6135.D\data.ms

(39) Chloroform (P)

4.544min (-0.006) 0.13 ug/L m

response 773

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	65.00	62.17
47.00	23.20	0.00#
0.00	0.00	0.00

Manual Integration:

After

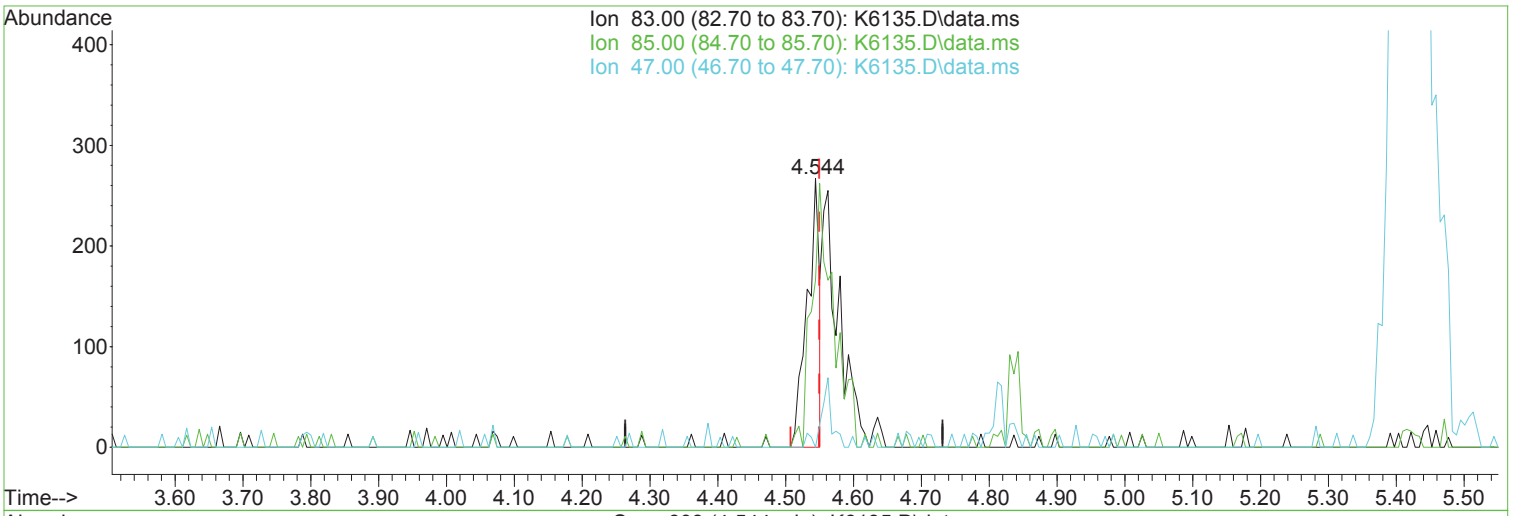
Split Peak.

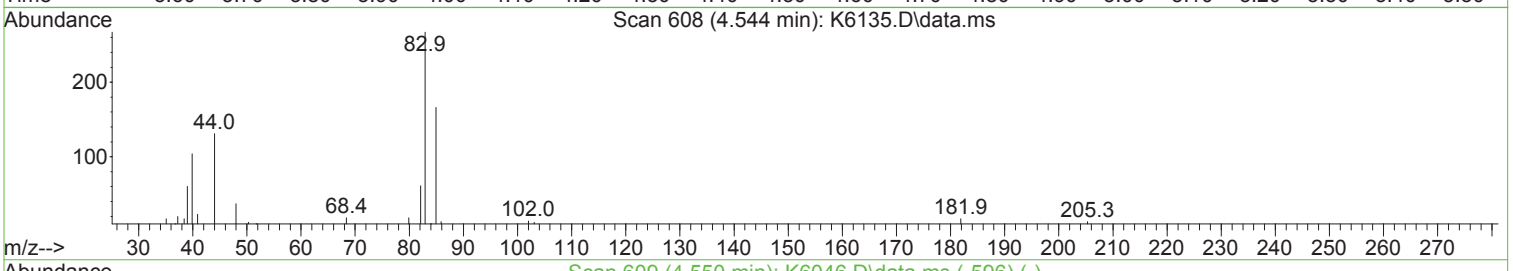
09/26/24

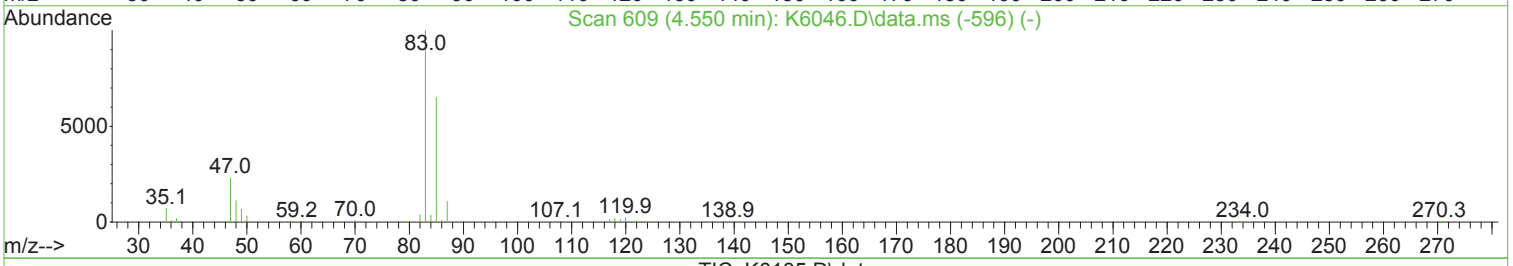
1st 09/26/24
2nd 09/26/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6135.D
Acq On : 20 Sep 2024 07:29 pm
Operator : K.Ruest
Sample : R2409108-010|10
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 21 07:31:33 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6135.D\data.ms

(39) Chloroform (P)

4.544min (-0.006) 0.05 ug/L

response 335

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	65.00	62.17
47.00	23.20	0.00#
0.00	0.00	0.00

Manual Integration:

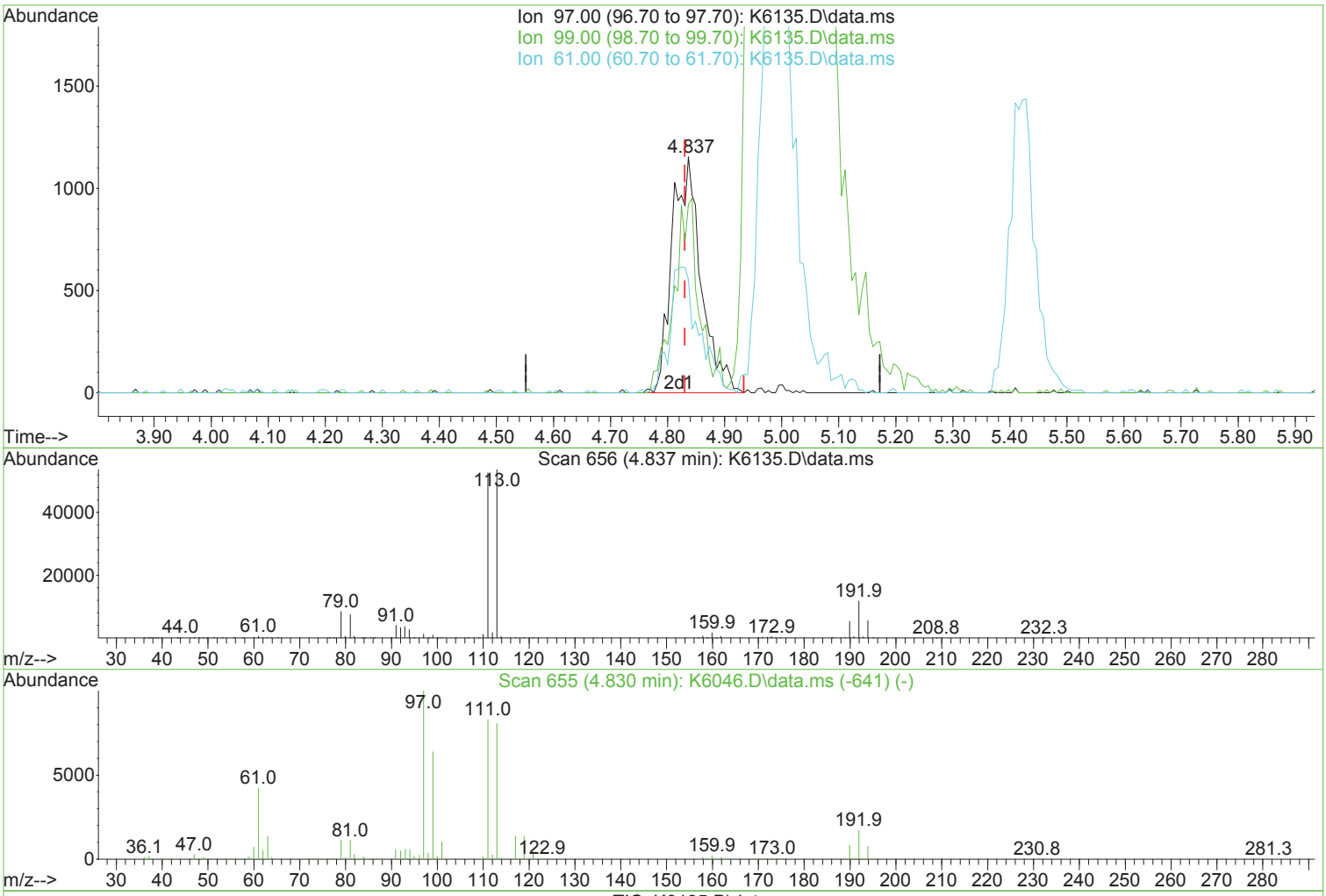
Before

09/26/24

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6135.D
Acq On : 20 Sep 2024 07:29 pm
Operator : K.Ruest
Sample : R2409108-010|10
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 21 07:31:33 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration



TIC: K6135.D\data.ms

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

4.837min (+ 0.006) 0.74 ug/L m

response 4074

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	79.90
61.00	42.10	48.01
0.00	0.00	0.00

Manual Integration:

After

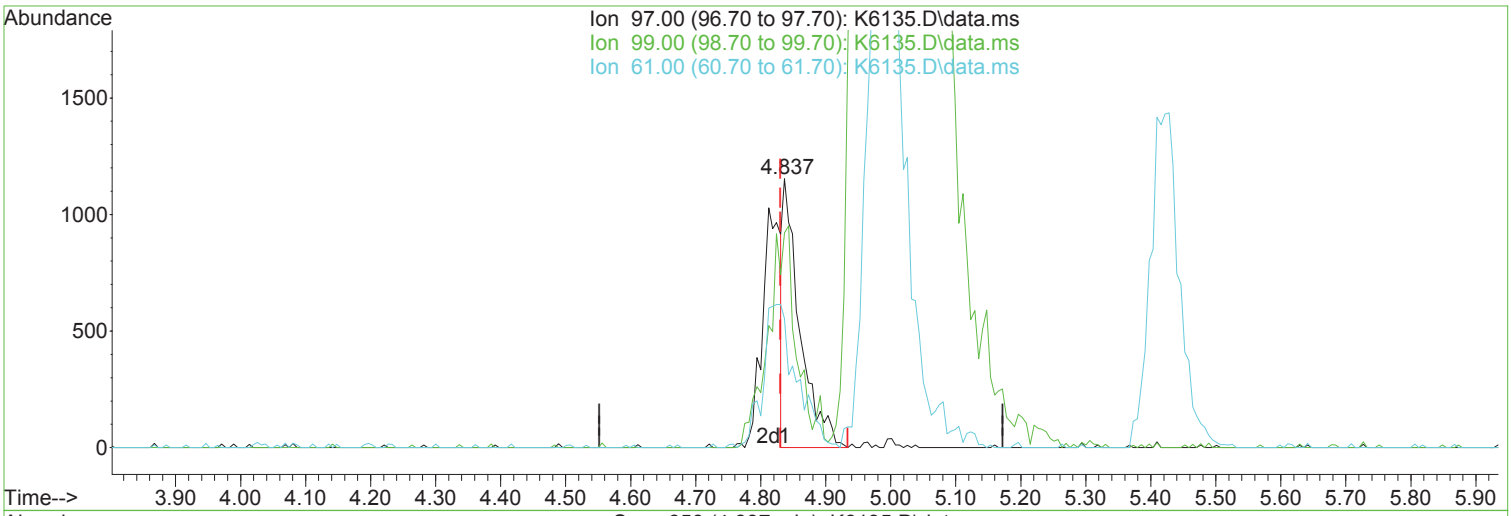
Split Peak.

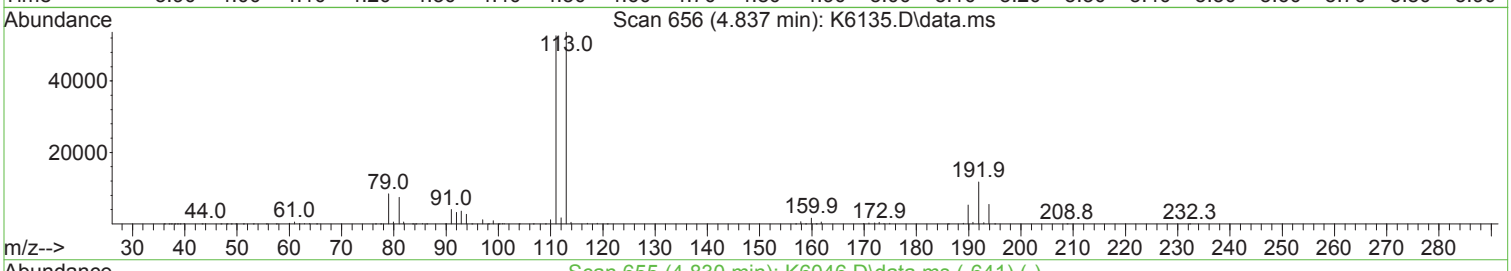
09/26/24

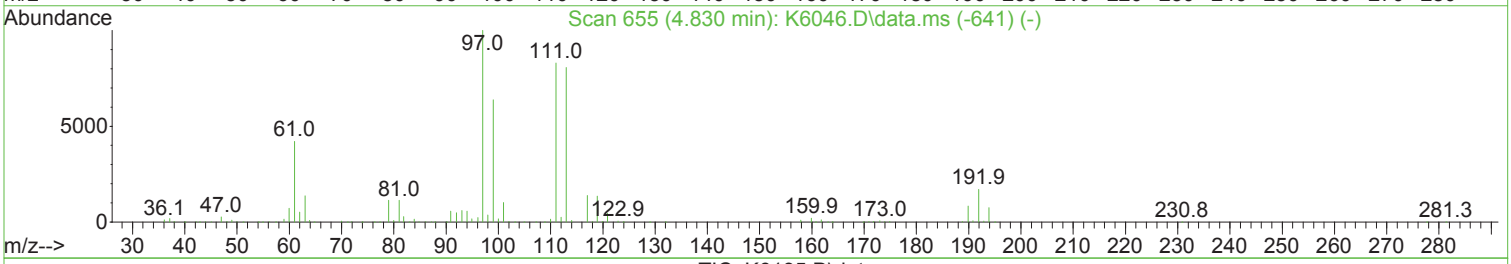
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6135.D
Acq On : 20 Sep 2024 07:29 pm
Operator : K.Ruest
Sample : R2409108-010|10
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 21 07:31:33 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6135.D\data.ms

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

4.837min (+ 0.006) 0.38 ug/L

response 2079

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	63.70	79.90
61.00	42.10	48.01
0.00	0.00	0.00

Manual Integration:

Before

09/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6135.D
Acq On : 20 Sep 2024 07:29 pm
Operator : K.Ruest
Sample : R2409108-010|10
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

diluted for matrix

Quant Time: Sep 21 07:31:33 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

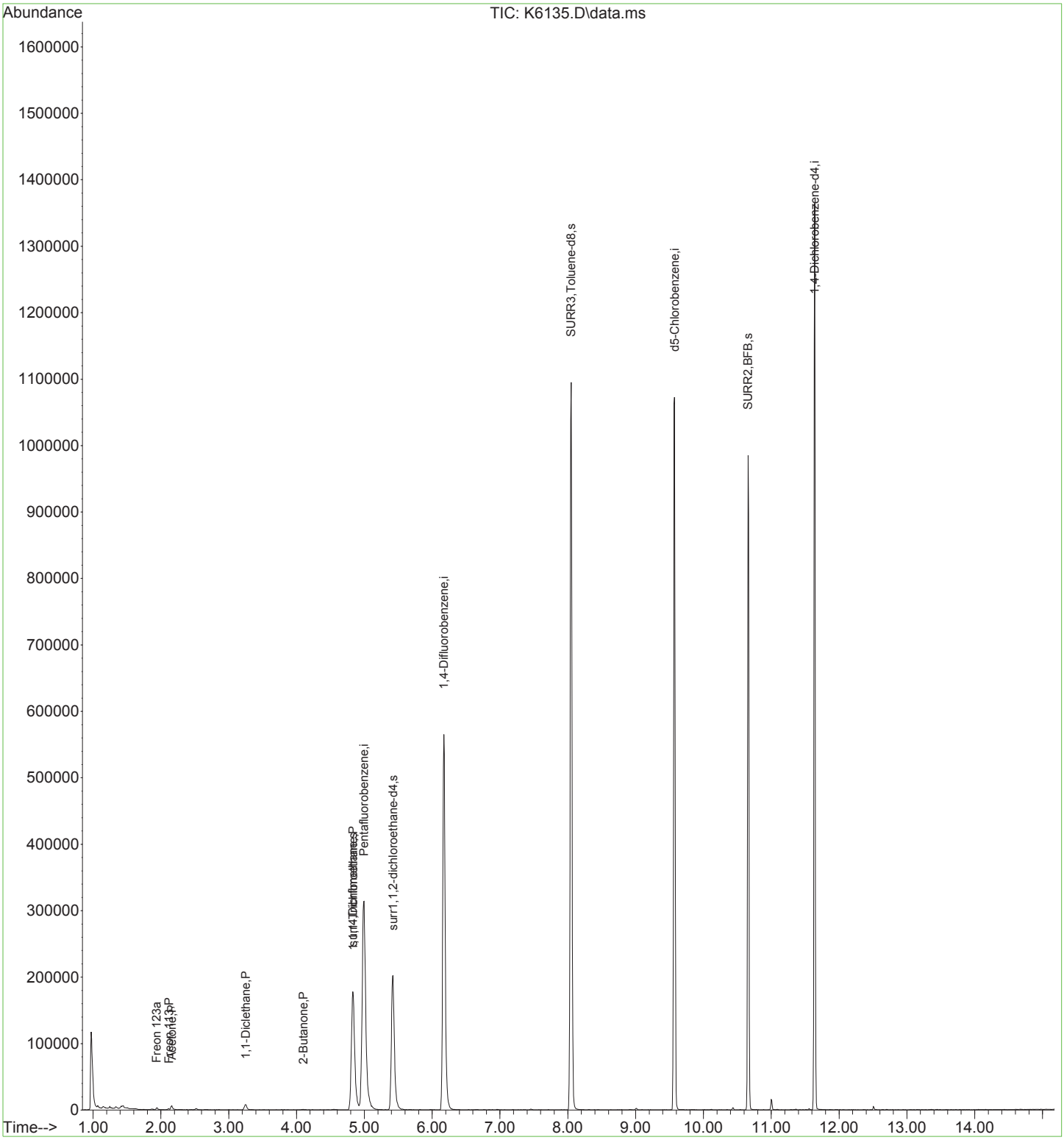
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	4.995	168	421777	50.00 ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	639999	50.00 ug/L	0.00
70) d5-Chlorobenzene	9.573	117	548074	50.00 ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	282698	50.00 ug/L	0.00
System Monitoring Compounds					
44) surr4,Dibrflmethane	4.830	113	187986	48.56 ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.12%		
47) surr1,1,2-dichloroetha...	5.422	65	225087	51.09 ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.18%		
64) SURR3,Toluene-d8	8.049	98	744644	51.38 ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.76%		
69) SURR2,BFB	10.659	95	271951	51.81 ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 103.62%		
Target Compounds					Qvalue
11) Freon 123a	1.935	67	1527m	0.404 ug/L	
15) Freon 113	2.118	101	786	0.224 ug/L	100
16) Acetone	2.160	43	6924	4.253 ug/L	96
22) Methylene Chloride	2.526	84	825	Below Cal #	86
27) 1,1-Diclethane	3.251	63	10583	1.586 ug/L	97
34) 2-Butanone	4.099	43	1036	0.500 ug/L	78
40) 1,1,1-Trichloroethane	4.837	97	4074m	0.743 ug/L	

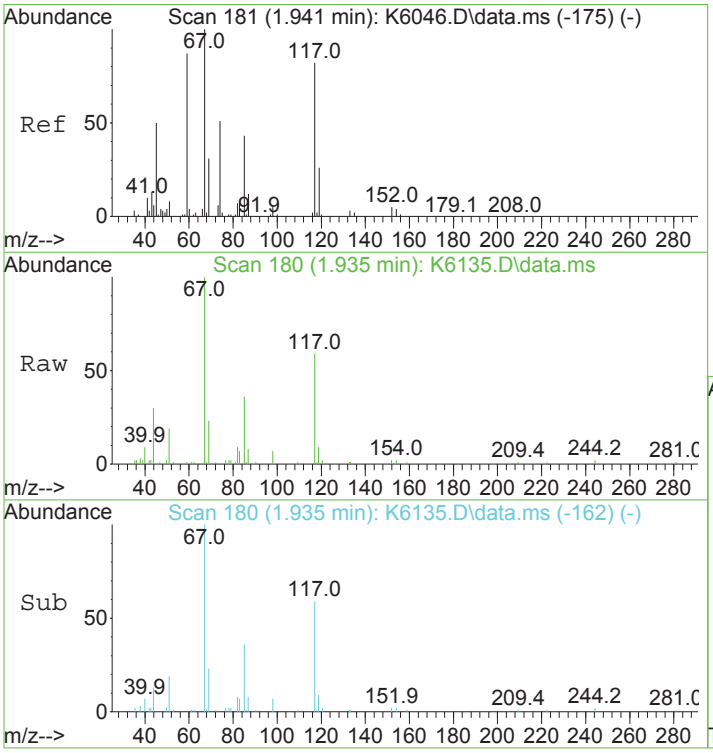
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6135.D
Acq On : 20 Sep 2024 07:29 pm
Operator : K.Ruest
Sample : R2409108-010|10
Misc : VERINA 8260 T2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 21 07:31:33 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

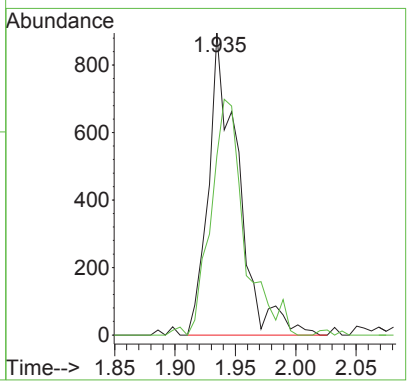


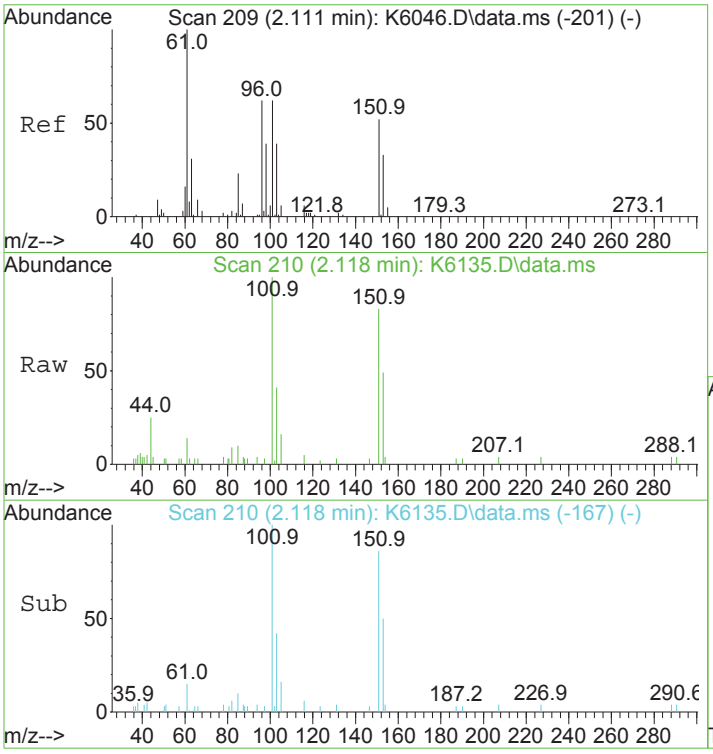


#11
Freon 123a
Concen: 0.40 ug/L m
RT: 1.935 min Scan# 180
Delta R.T. -0.006 min
Lab File: K6135.D
Acq: 20 Sep 2024 07:29 pm

Tgt Ion: 67 Resp: 1527

Ion	Ratio	Lower	Upper
67	100		
117	59.3	62.2	102.2#

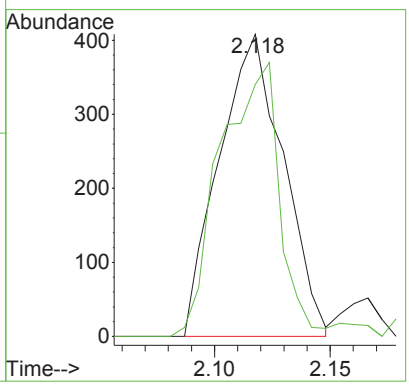


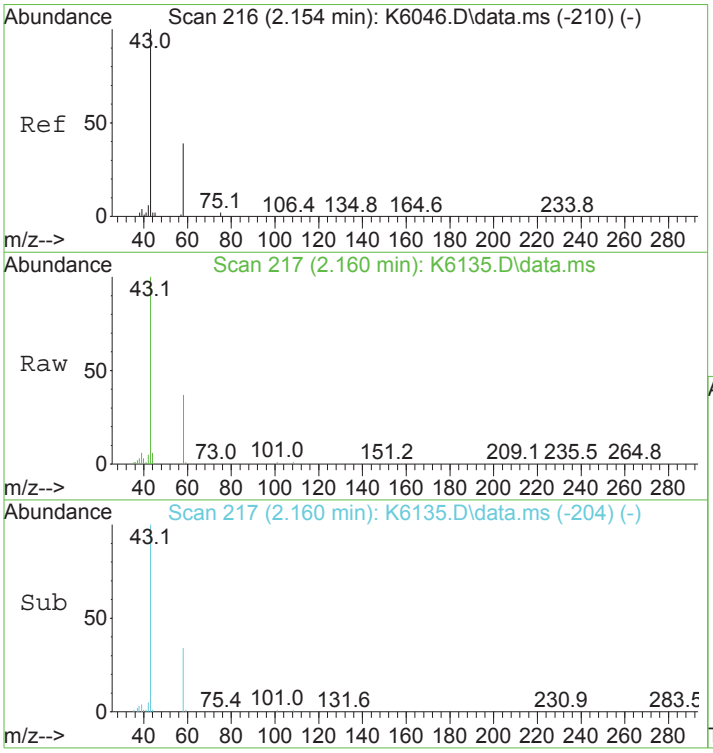


#15
Freon 113
Concen: 0.22 ug/L
RT: 2.118 min Scan# 210
Delta R.T. 0.006 min
Lab File: K6135.D
Acq: 20 Sep 2024 07:29 pm

Tgt Ion:101 Resp: 786

Ion	Ratio	Lower	Upper
101	100		
151	83.3	63.3	103.3

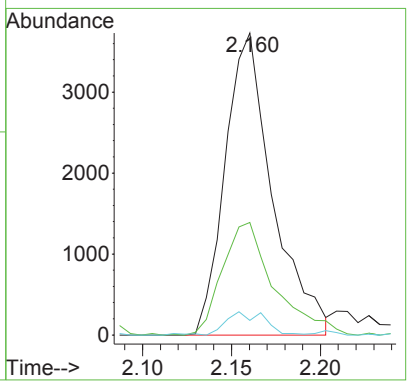


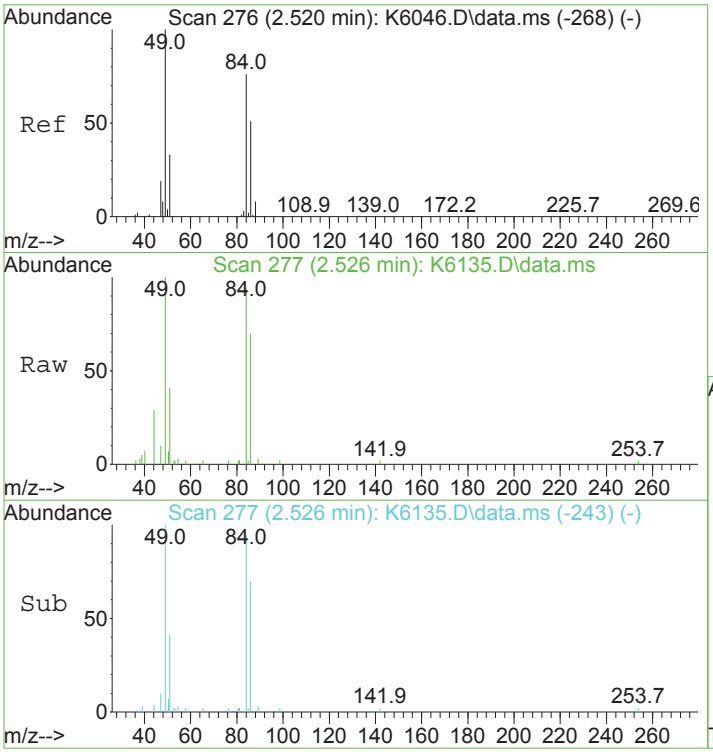


#16
Acetone
Concen: 4.25 ug/L
RT: 2.160 min Scan# 217
Delta R.T. 0.006 min
Lab File: K6135.D
Acq: 20 Sep 2024 07:29 pm

Tgt Ion: 43 Resp: 6924

Ion	Ratio	Lower	Upper
43	100		
58	37.2	19.6	59.6
42	4.9	0.0	26.6

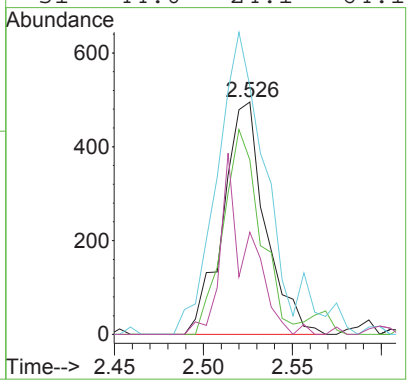


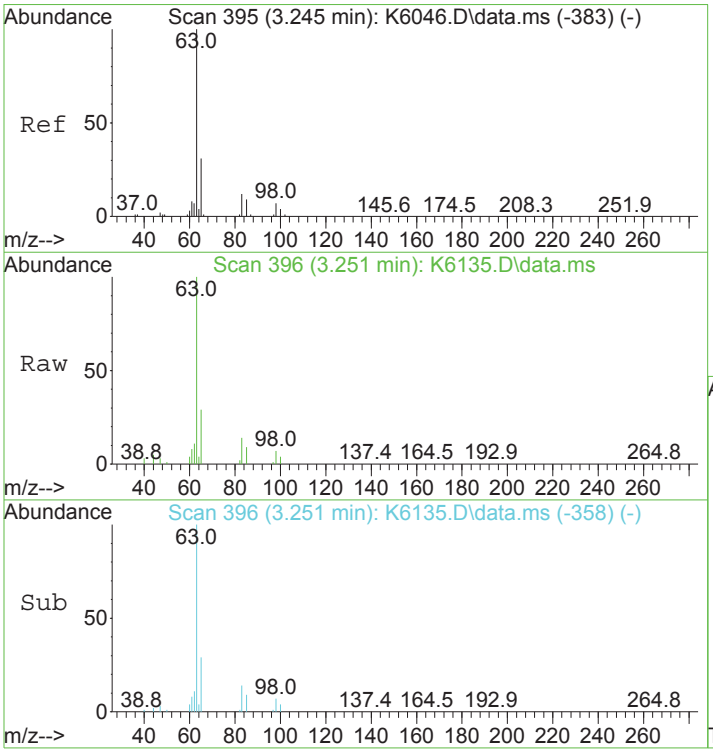


#22
Methylene Chloride
Concen: Below Cal
RT: 2.526 min Scan# 277
Delta R.T. 0.007 min
Lab File: K6135.D
Acq: 20 Sep 2024 07:29 pm

Tgt Ion: 84 Resp: 825

Ion	Ratio	Lower	Upper
84	100		
86	75.2	47.5	87.5
49	106.9	111.3	151.3#
51	44.0	24.1	64.1

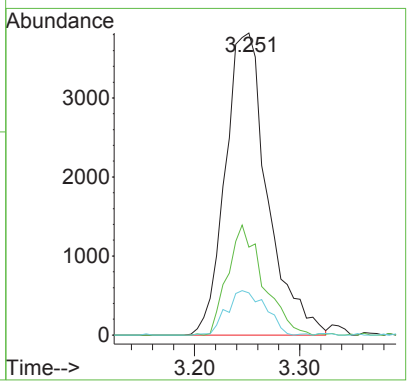


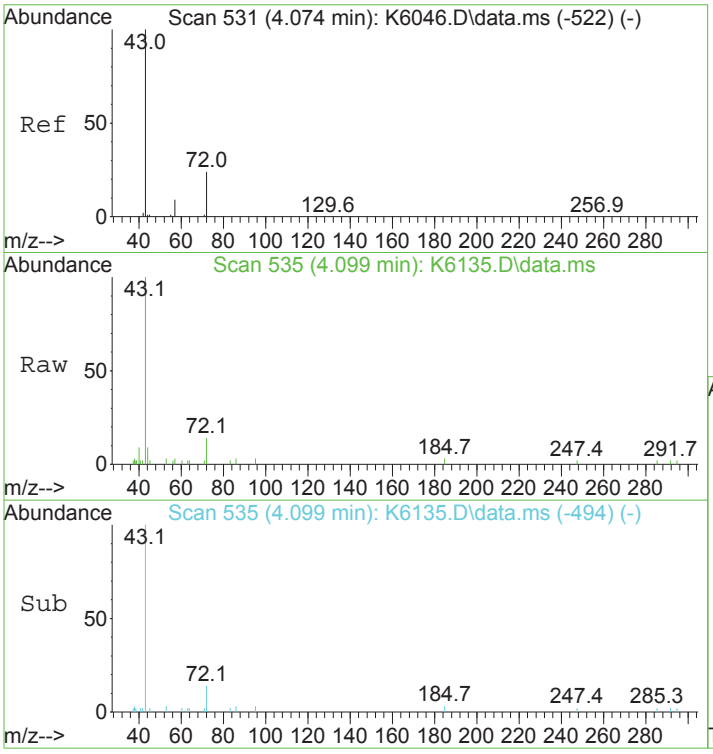


#27
1,1-Diclethane
Concen: 1.59 ug/L
RT: 3.251 min Scan# 396
Delta R.T. 0.006 min
Lab File: K6135.D
Acq: 20 Sep 2024 07:29 pm

Tgt Ion: 63 Resp: 10583

Ion	Ratio	Lower	Upper
63	100		
65	29.1	10.5	50.5
83	13.9	0.0	32.3

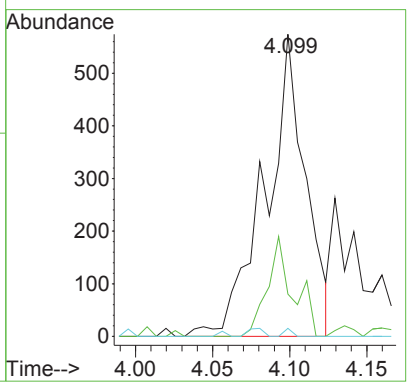


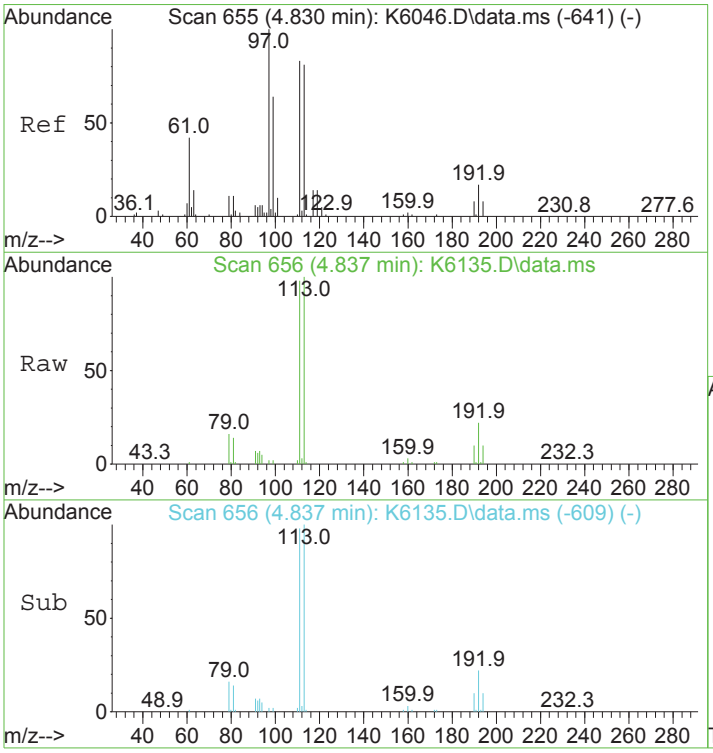


#34
2-Butanone
Concen: 0.50 ug/L
RT: 4.099 min Scan# 535
Delta R.T. 0.025 min
Lab File: K6135.D
Acq: 20 Sep 2024 07:29 pm

Tgt Ion: 43 Resp: 1036

Ion	Ratio	Lower	Upper
43	100		
72	13.9	5.8	45.8
57	2.6	0.0	29.4

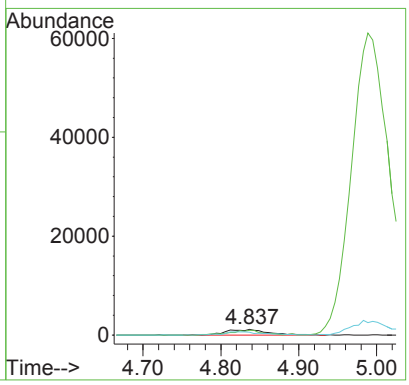




#40
1,1,1-Trichloroethane
Concen: 0.74 ug/L m
RT: 4.837 min Scan# 656
Delta R.T. 0.006 min
Lab File: K6135.D
Acq: 20 Sep 2024 07:29 pm

Tgt Ion: 97 Resp: 4074

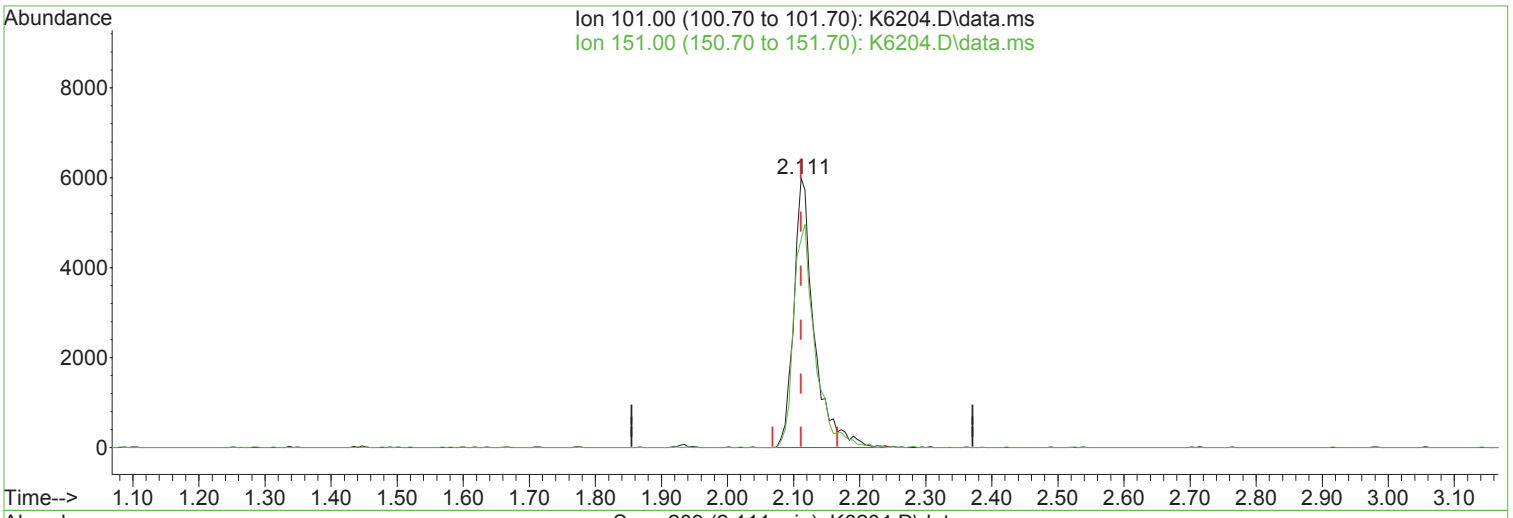
Ion	Ratio	Lower	Upper
97	100		
99	79.9	43.7	83.7
61	48.0	22.1	62.1



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6204.D
Acq On : 23 Sep 2024 02:39 pm
Operator : K.Ruest
Sample : R2409108-013
Misc : VERINA 8260 T2
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 15:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration



TIC: K6204.D\data.ms

(15) Freon 113 (P)

2.111min (-0.000) 3.80 ug/L m

response 12864

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	83.30	77.50
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

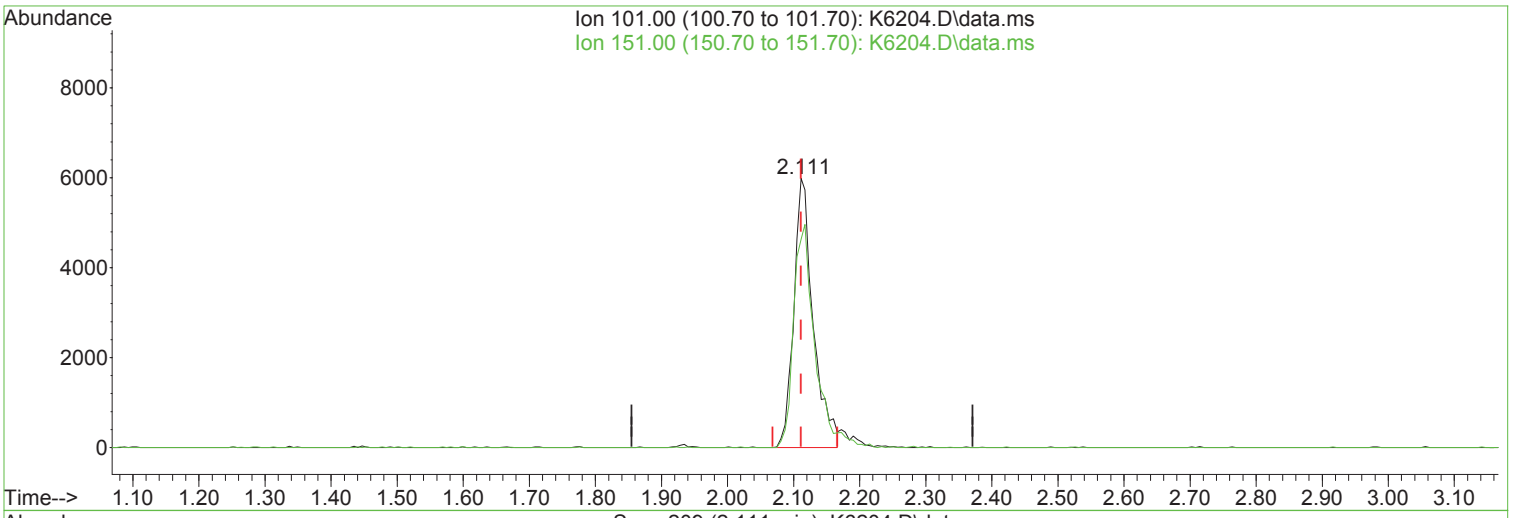
Poor integration.

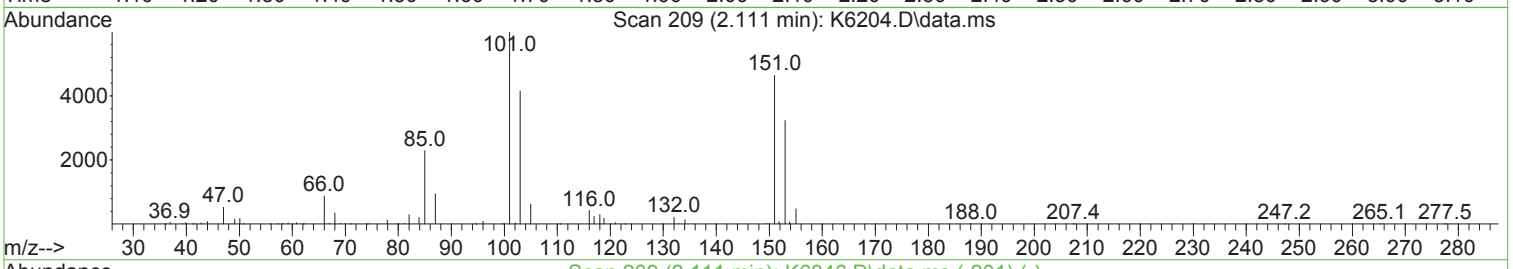
09/24/24

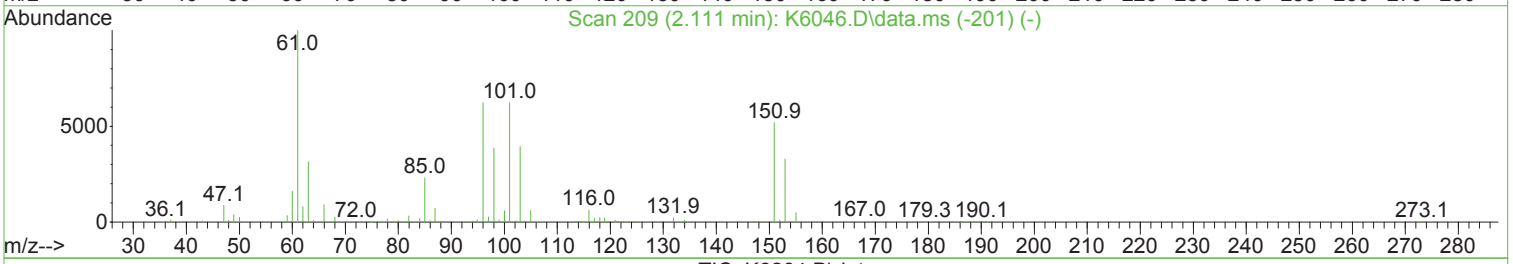
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6204.D
Acq On : 23 Sep 2024 02:39 pm
Operator : K.Ruest
Sample : R2409108-013
Misc : VERINA 8260 T2
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 15:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6204.D\data.ms

(15) Freon 113 (P)

2.111min (-0.000) 3.62 ug/L

response 12234

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	83.30	77.50
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

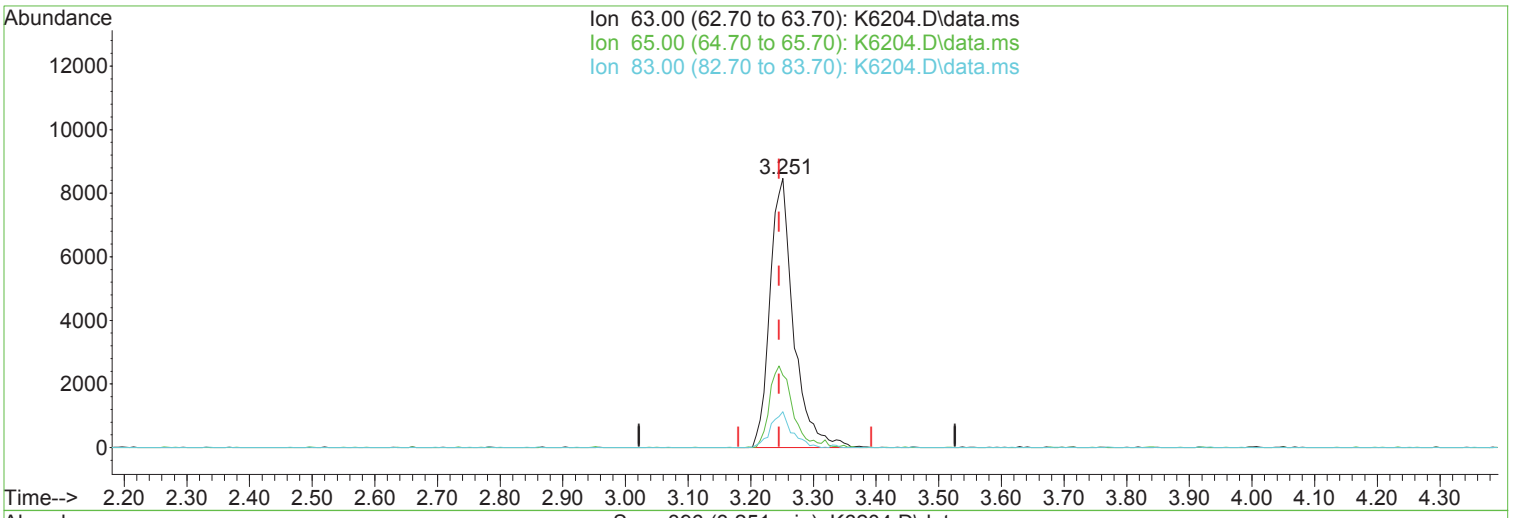
Before

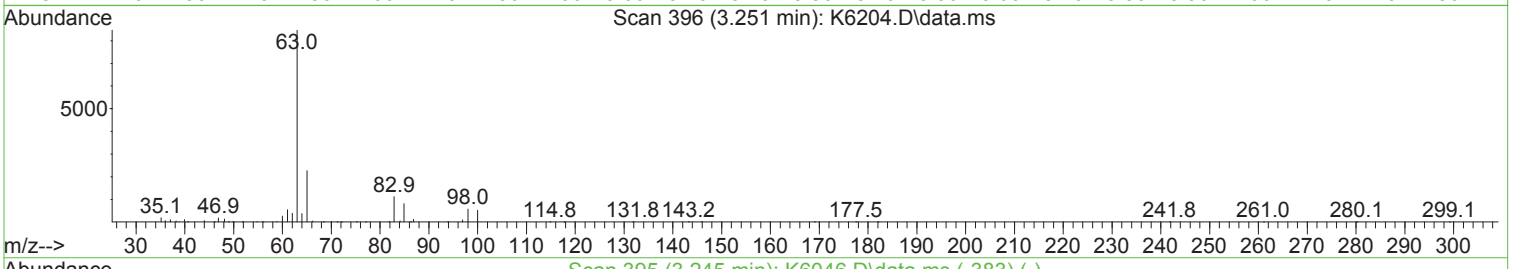
09/24/24

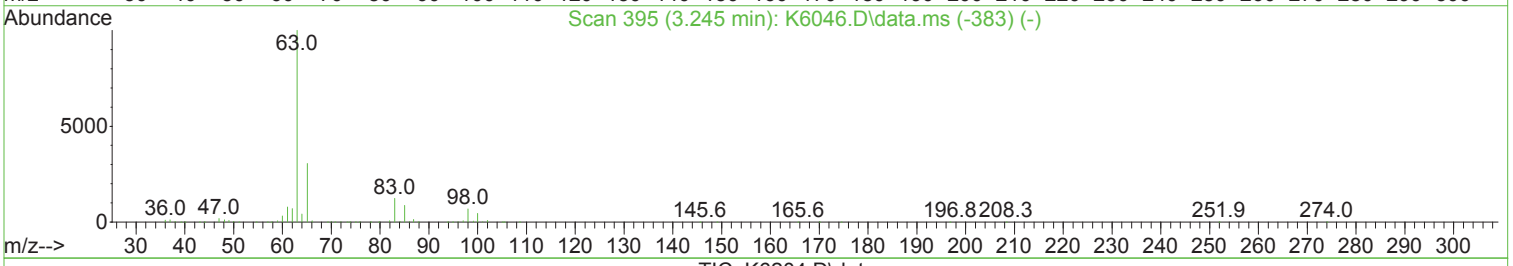
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6204.D
Acq On : 23 Sep 2024 02:39 pm
Operator : K.Ruest
Sample : R2409108-013
Misc : VERINA 8260 T2
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 15:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6204.D\data.ms

(27) 1,1-Diclethane (P)

3.251min (+ 0.006) 3.44 ug/L m

response 22169

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	30.50	26.88
83.00	12.30	13.38
0.00	0.00	0.00

Manual Integration:

After

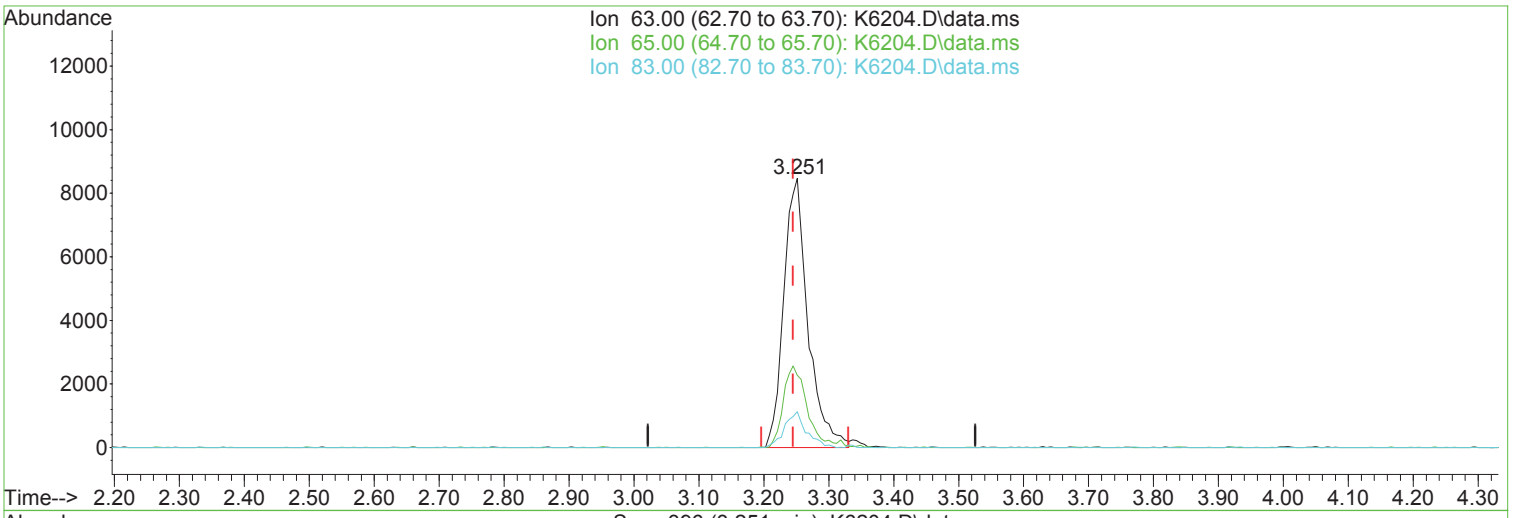
Poor integration.

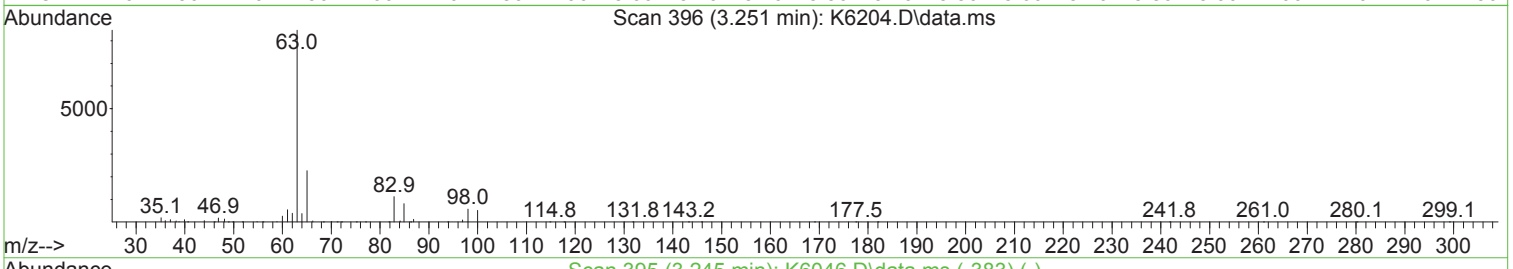
09/24/24

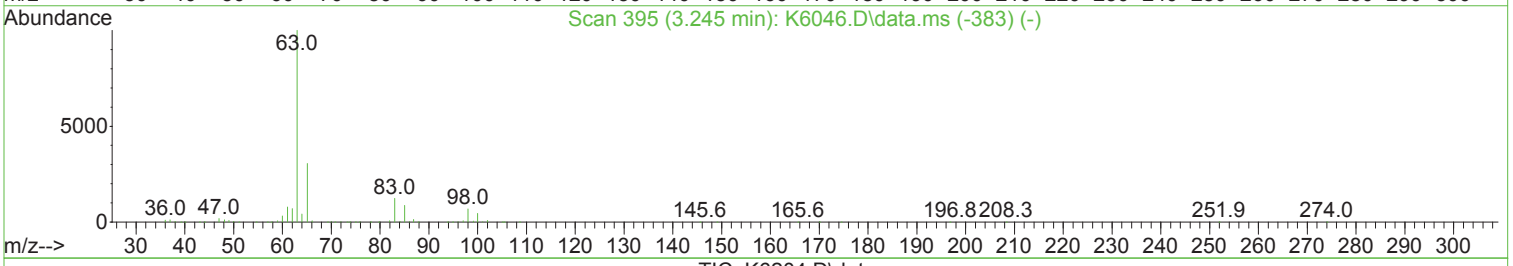
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6204.D
Acq On : 23 Sep 2024 02:39 pm
Operator : K.Ruest
Sample : R2409108-013
Misc : VERINA 8260 T2
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 15:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6204.D\data.ms

(27) 1,1-Diclethane (P)

3.251min (+ 0.006) 3.39 ug/L

response 21865

Ion	Exp%	Act%
63.00	100.00	100.00
65.00	30.50	26.88
83.00	12.30	13.38
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6204.D
Acq On : 23 Sep 2024 02:39 pm
Operator : K.Ruest
Sample : R2409108-013
Misc : VERINA 8260 T2
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 15:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

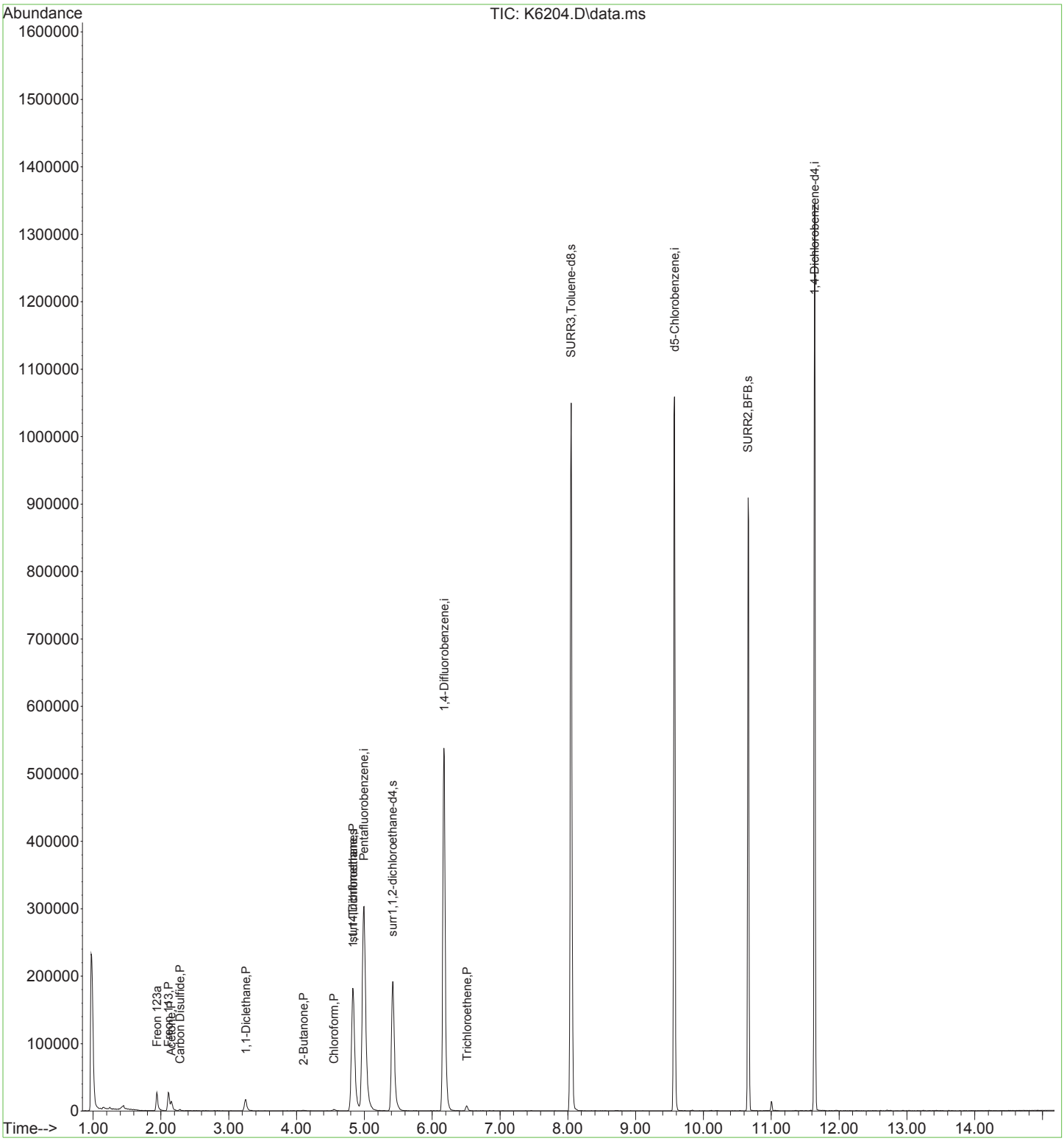
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	407218	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.178	114	626085	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	540951	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	282778	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	182330	48.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.30%			
47) surr1,1,2-dichloroetha...	5.415	65	211063	48.97	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.94%			
64) SURR3,Toluene-d8	8.049	98	711126	50.16	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.32%			
69) SURR2,BFB	10.658	95	256092	49.87	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.74%			
Target Compounds						Qvalue
11) Freon 123a	1.941	67	13833	3.789	ug/L	97
15) Freon 113	2.111	101	12864m	3.803	ug/L	
16) Acetone	2.154	43	13633	8.673	ug/L	96
19) Carbon Disulfide	2.282	76	2595	0.320	ug/L	87
27) 1,1-Diclethane	3.251	63	22169m	3.441	ug/L	
34) 2-Butanone	4.105	43	1324	0.662	ug/L	78
39) Chloroform	4.550	83	2416	0.410	ug/L	81
40) 1,1,1-Trichloroethane	4.836	97	13302	2.512	ug/L	98
53) Trichloroethene	6.513	130	3526	0.837	ug/L #	83

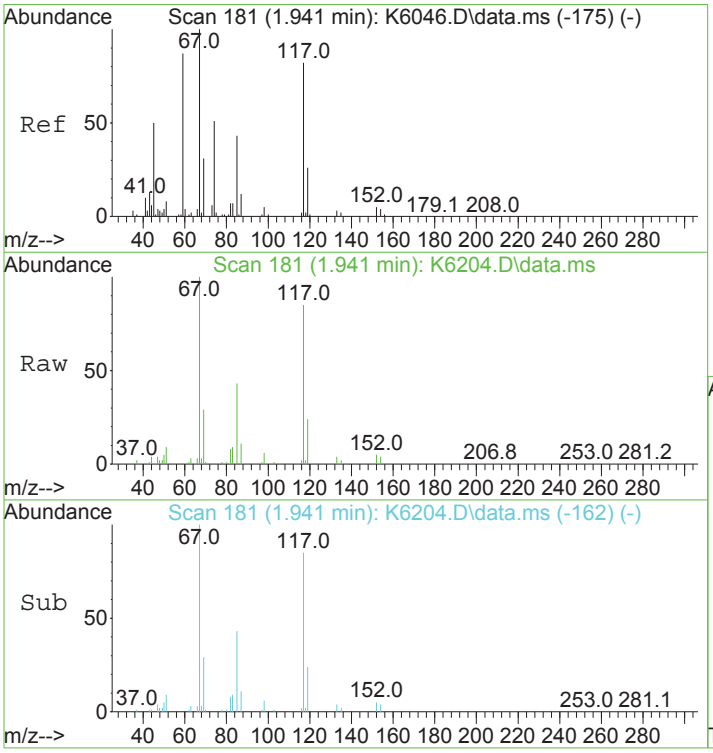
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/24/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6204.D
Acq On : 23 Sep 2024 02:39 pm
Operator : K.Ruest
Sample : R2409108-013
Misc : VERINA 8260 T2
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 15:08:08 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

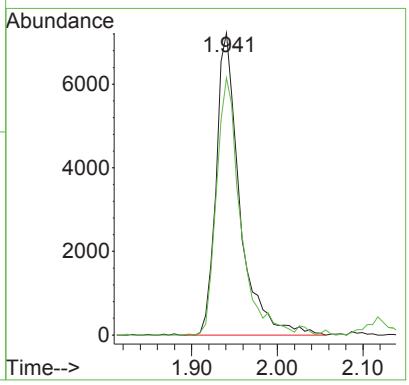


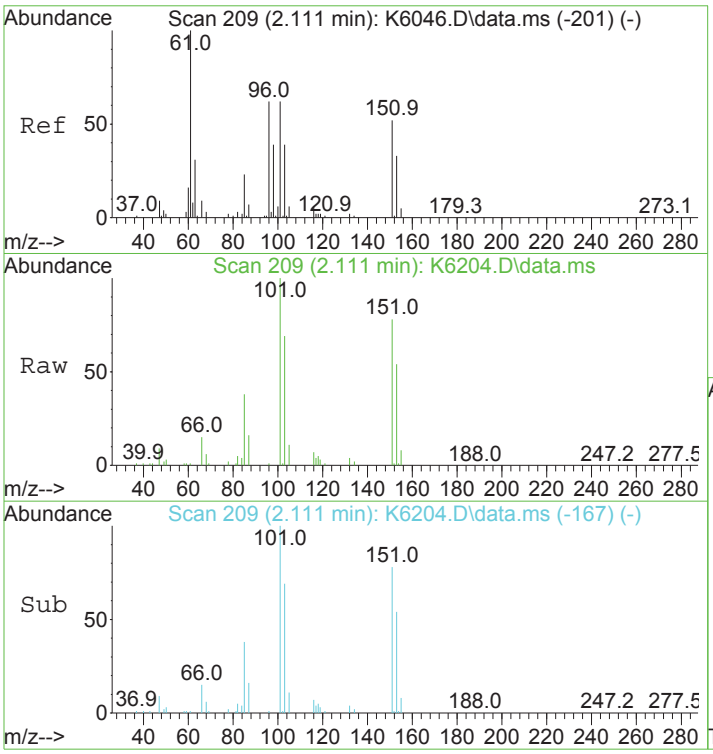


#11
Freon 123a
Concen: 3.79 ug/L
RT: 1.941 min Scan# 181
Delta R.T. -0.000 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion: 67 Resp: 13833

Ion	Ratio	Lower	Upper
67	100		
117	85.2	62.2	102.2

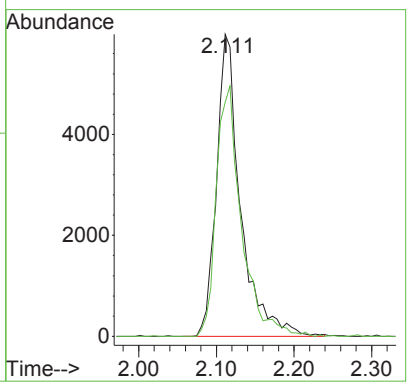


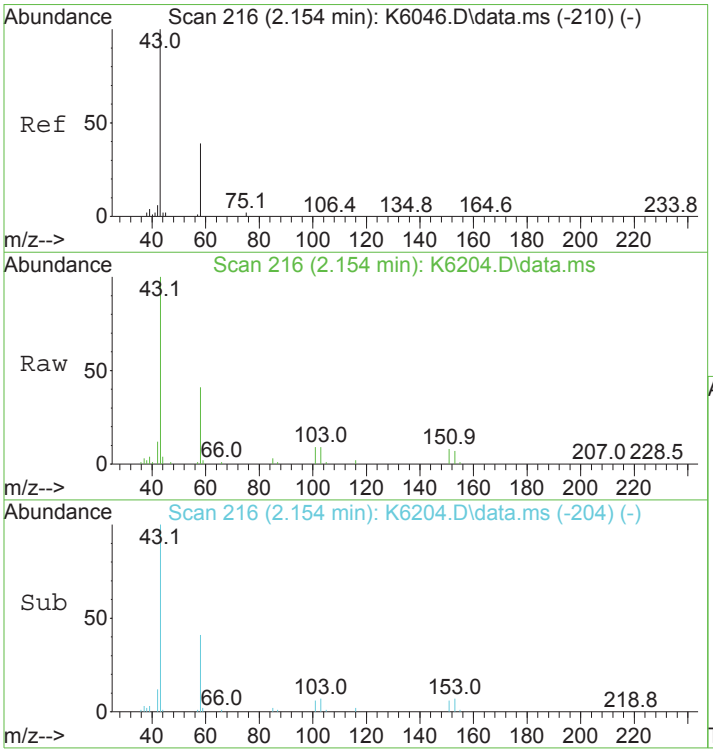


#15
Freon 113
Concen: 3.80 ug/L m
RT: 2.111 min Scan# 209
Delta R.T. -0.000 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion:101 Resp: 12864

Ion	Ratio	Lower	Upper
101	100		
151	77.5	63.3	103.3

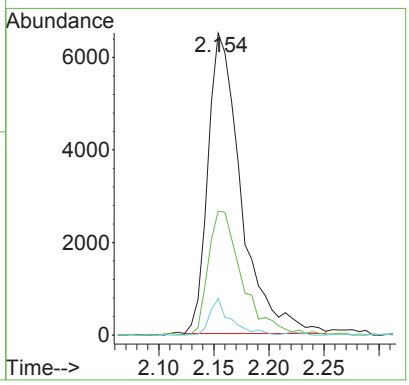


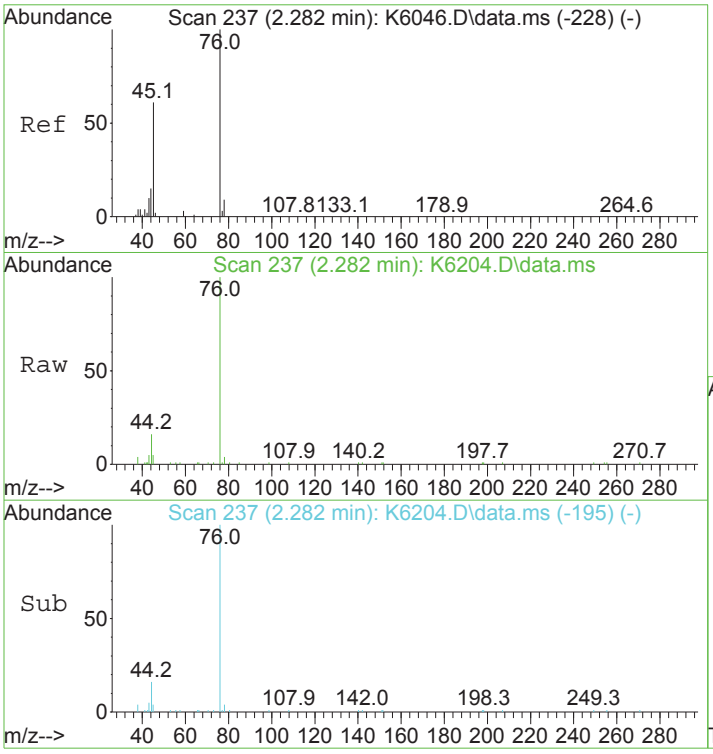


#16
Acetone
Concen: 8.67 ug/L
RT: 2.154 min Scan# 216
Delta R.T. -0.000 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion: 43 Resp: 13633

Ion	Ratio	Lower	Upper
43	100		
58	40.9	19.6	59.6
42	12.1	0.0	26.6

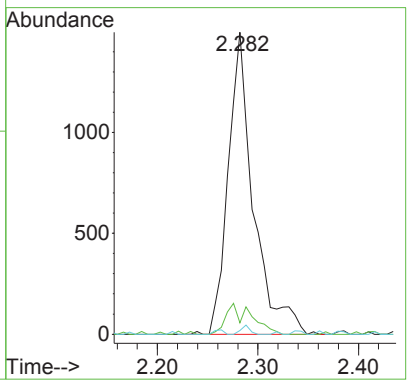


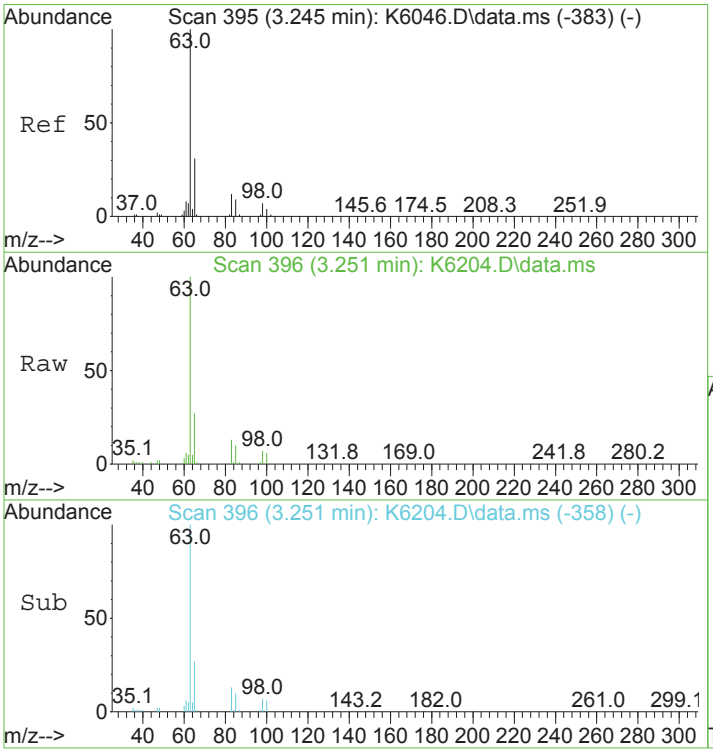


#19
Carbon Disulfide
Concen: 0.32 ug/L
RT: 2.282 min Scan# 237
Delta R.T. -0.000 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion: 76 Resp: 2595

Ion	Ratio	Lower	Upper
76	100		
78	3.7	0.0	29.4
77	1.3	0.0	22.8

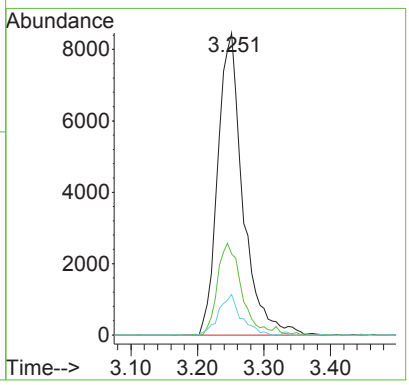


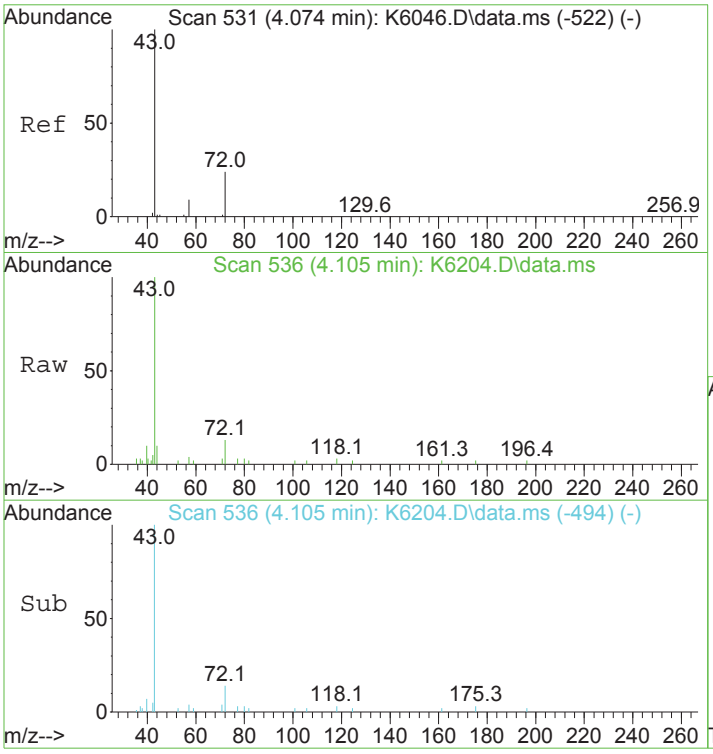


#27
1,1-Diclethane
Concen: 3.44 ug/L m
RT: 3.251 min Scan# 396
Delta R.T. 0.006 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion: 63 Resp: 22169

Ion	Ratio	Lower	Upper
63	100		
65	26.9	10.5	50.5
83	13.4	0.0	32.3

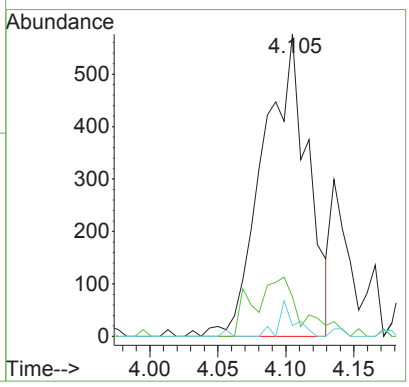


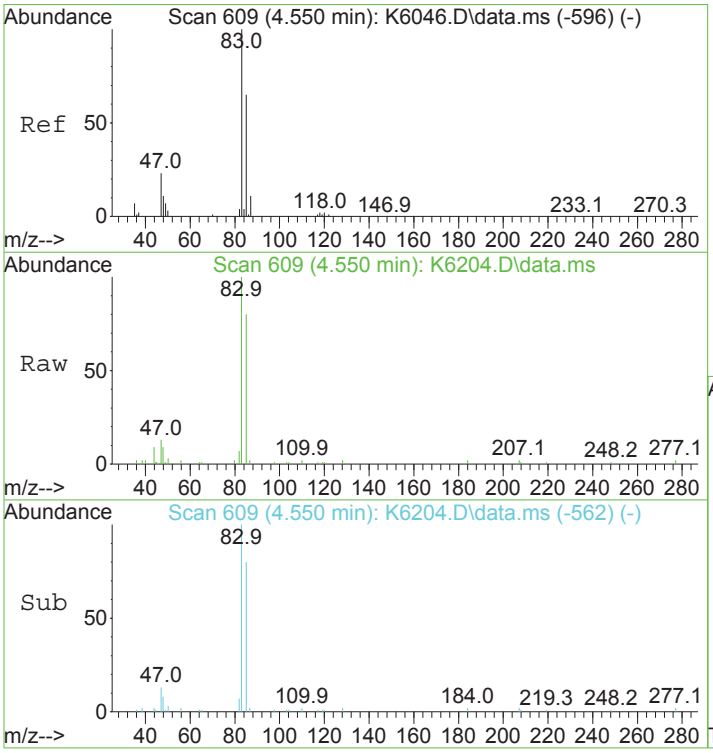


#34
2-Butanone
Concen: 0.66 ug/L
RT: 4.105 min Scan# 536
Delta R.T. 0.030 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion: 43 Resp: 1324

Ion	Ratio	Lower	Upper
43	100		
72	13.2	5.8	45.8
57	3.6	0.0	29.4

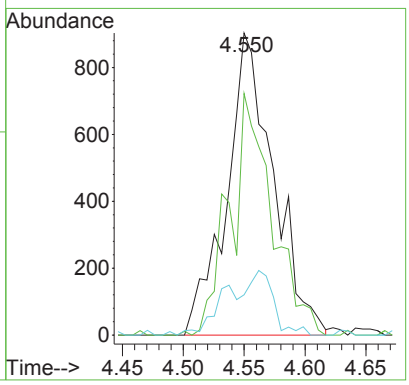


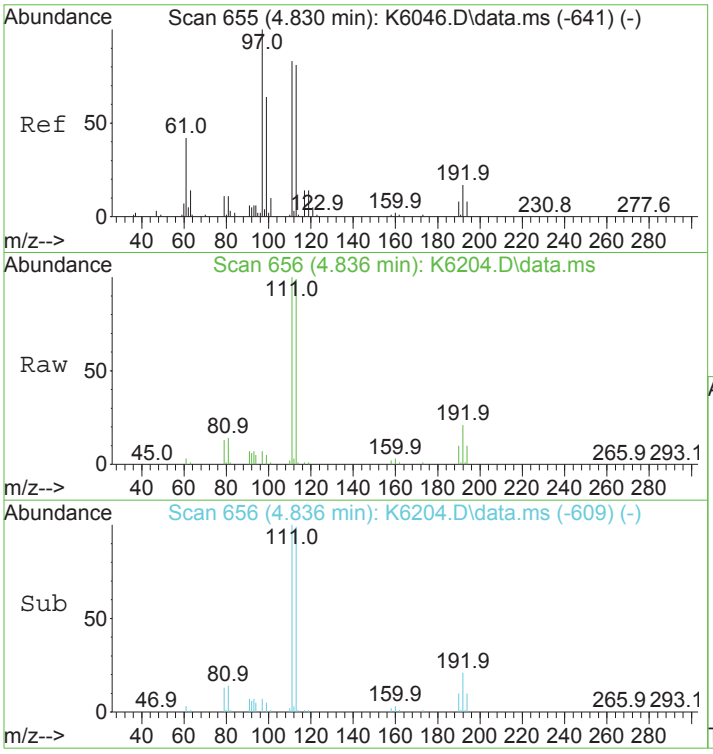


#39
Chloroform
Concen: 0.41 ug/L
RT: 4.550 min Scan# 609
Delta R.T. -0.000 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion: 83 Resp: 2416

Ion	Ratio	Lower	Upper
83	100		
85	80.0	45.0	85.0
47	13.3	3.2	43.2

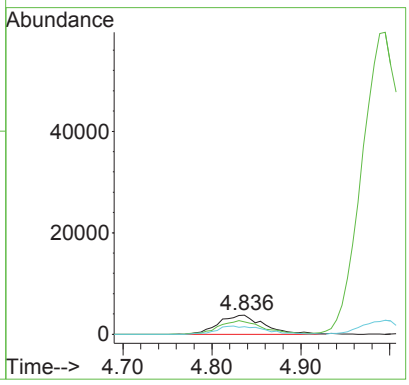


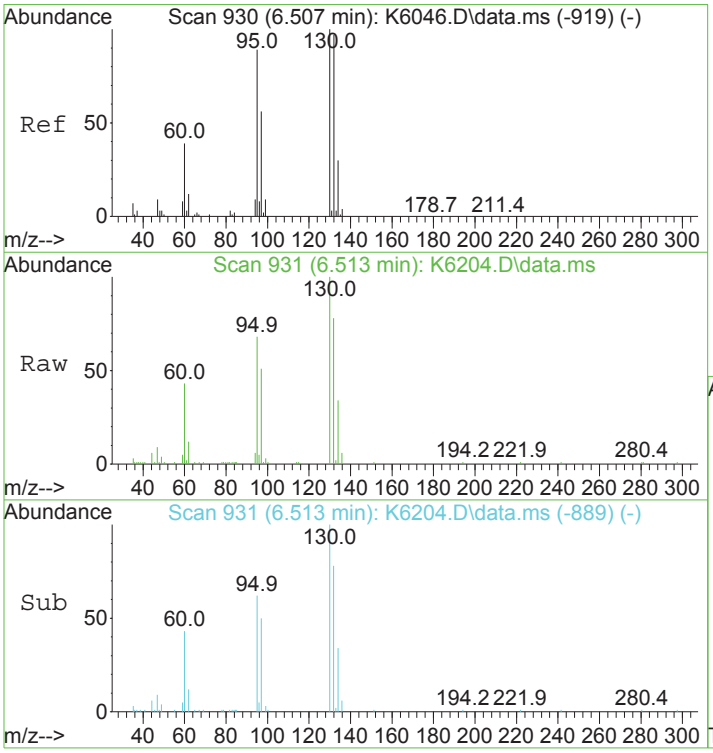


#40
1,1,1-Trichloroethane
Concen: 2.51 ug/L
RT: 4.836 min Scan# 656
Delta R.T. 0.006 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion: 97 Resp: 13302

Ion	Ratio	Lower	Upper
97	100		
99	64.4	43.7	83.7
61	39.1	22.1	62.1

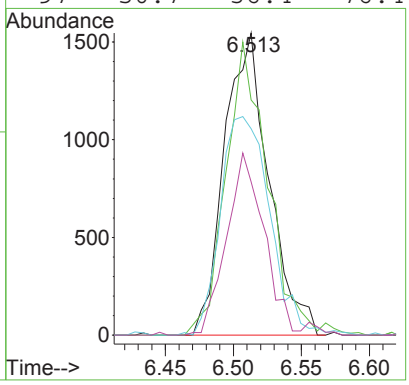




#53
Trichloroethene
Concen: 0.84 ug/L
RT: 6.513 min Scan# 931
Delta R.T. 0.006 min
Lab File: K6204.D
Acq: 23 Sep 2024 02:39 pm

Tgt Ion:130 Resp: 3526

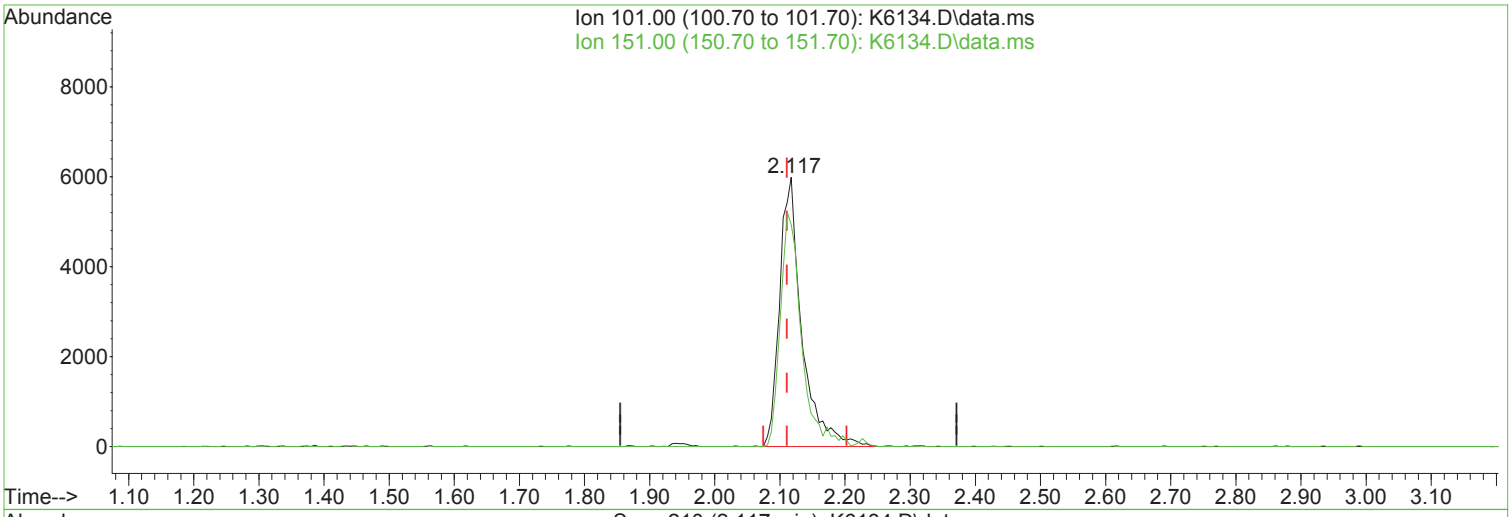
Ion	Ratio	Lower	Upper
130	100		
132	77.9	76.7	116.7
95	68.3	68.5	108.5#
97	50.7	36.4	76.4

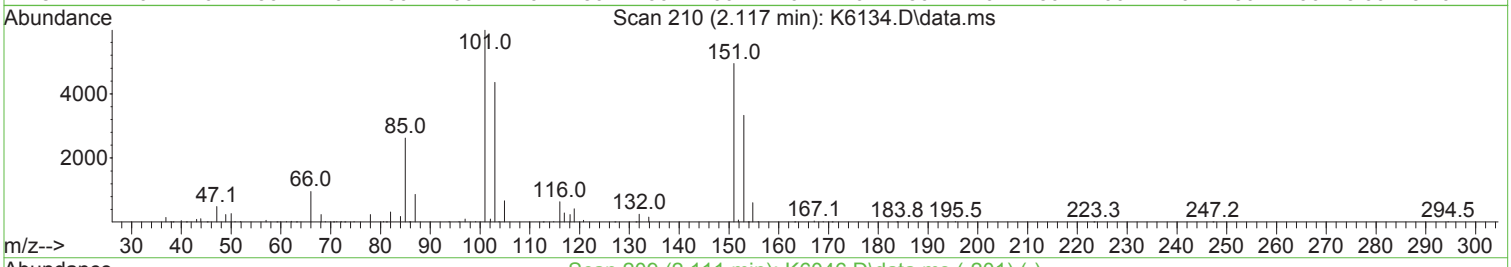


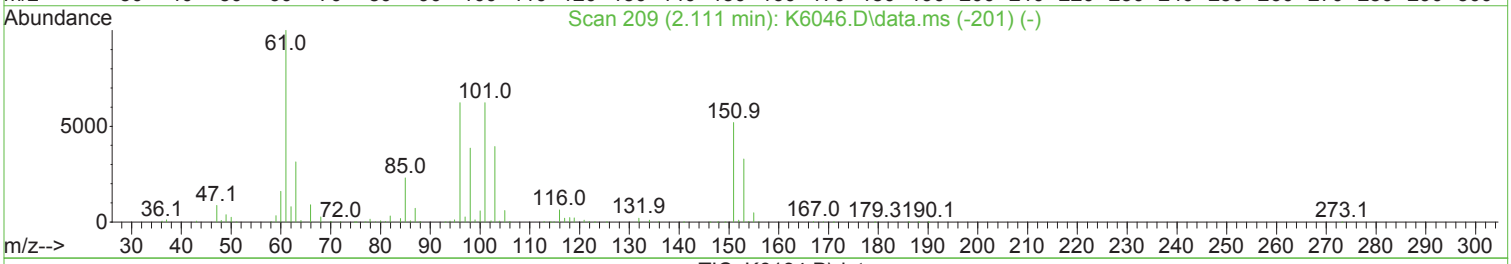
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6134.D
Acq On : 20 Sep 2024 07:06 pm
Operator : K.Ruest
Sample : R2409108-014
Misc : VERINA 8260 T2
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 20 19:25:16 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6134.D\data.ms

(15) Freon 113 (P)

2.117min (+ 0.006) 4.02 ug/L m

response 14206

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	83.30	82.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

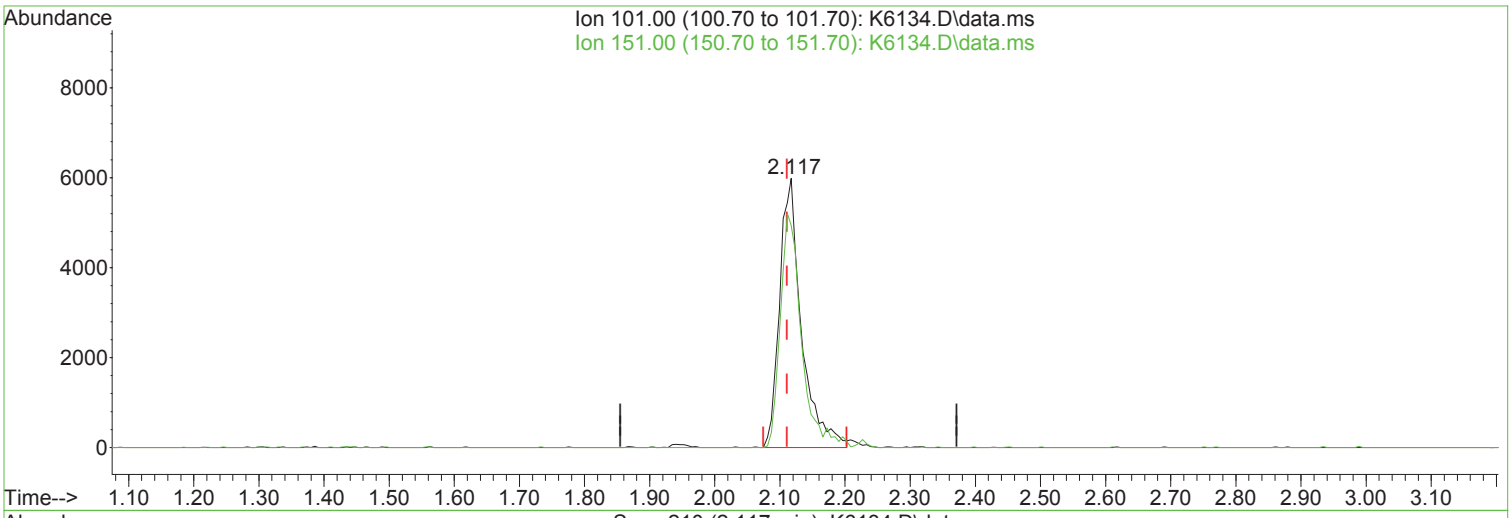
Poor integration.

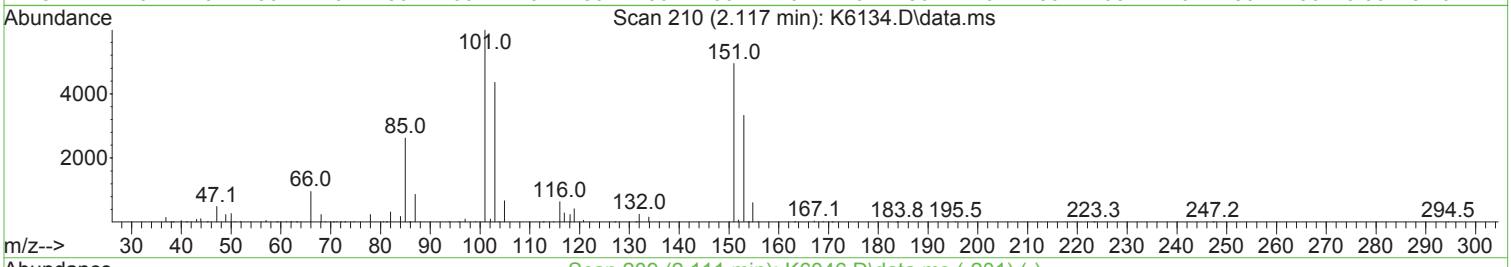
09/26/24

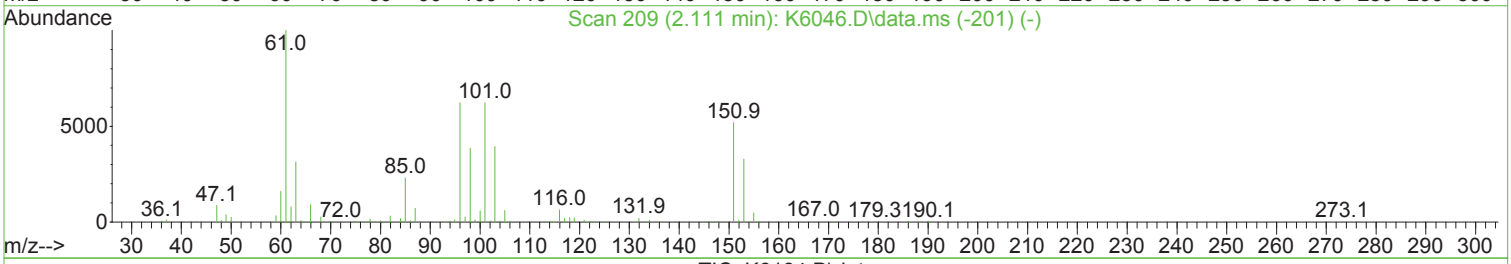
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6134.D
Acq On : 20 Sep 2024 07:06 pm
Operator : K.Ruest
Sample : R2409108-014
Misc : VERINA 8260 T2
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 20 19:25:16 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6134.D\data.ms

(15) Freon 113 (P)

2.117min (+ 0.006) 3.96 ug/L

response 13999

Ion	Exp%	Act%
101.00	100.00	100.00
151.00	83.30	82.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6134.D
Acq On : 20 Sep 2024 07:06 pm
Operator : K.Ruest
Sample : R2409108-014
Misc : VERINA 8260 T2
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 20 19:25:16 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

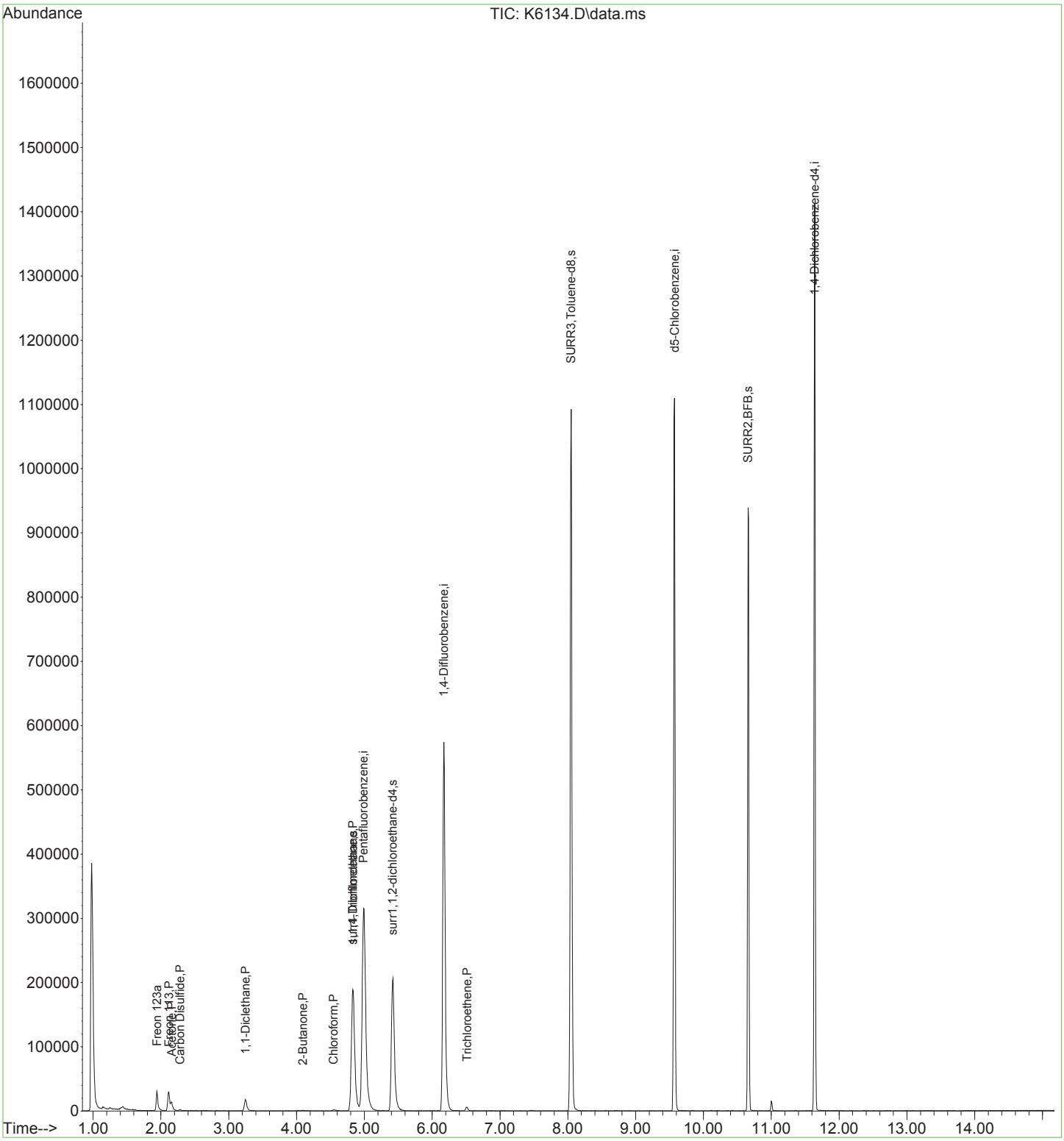
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	425439	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	642541	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	548859	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	287197	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	191161	49.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 98.38%			
47) surr1,1,2-dichloroetha...	5.415	65	231685	52.37	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.74%			
64) SURR3,Toluene-d8	8.049	98	736131	50.59	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.18%			
69) SURR2,BFB	10.658	95	265146	50.31	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.62%			
Target Compounds						Qvalue
11) Freon 123a	1.940	67	15443	4.048	ug/L	83
15) Freon 113	2.117	101	14206m	4.020	ug/L	
16) Acetone	2.160	43	13917	8.475	ug/L	98
19) Carbon Disulfide	2.282	76	2316	0.273	ug/L	98
27) 1,1-Diclethane	3.245	63	23724	3.524	ug/L	98
34) 2-Butanone	4.093	43	1795	0.860	ug/L #	65
39) Chloroform	4.544	83	2508	0.408	ug/L	79
40) 1,1,1-Trichloroethane	4.830	97	14841	2.683	ug/L	90
53) Trichloroethene	6.513	130	2914	0.674	ug/L	96

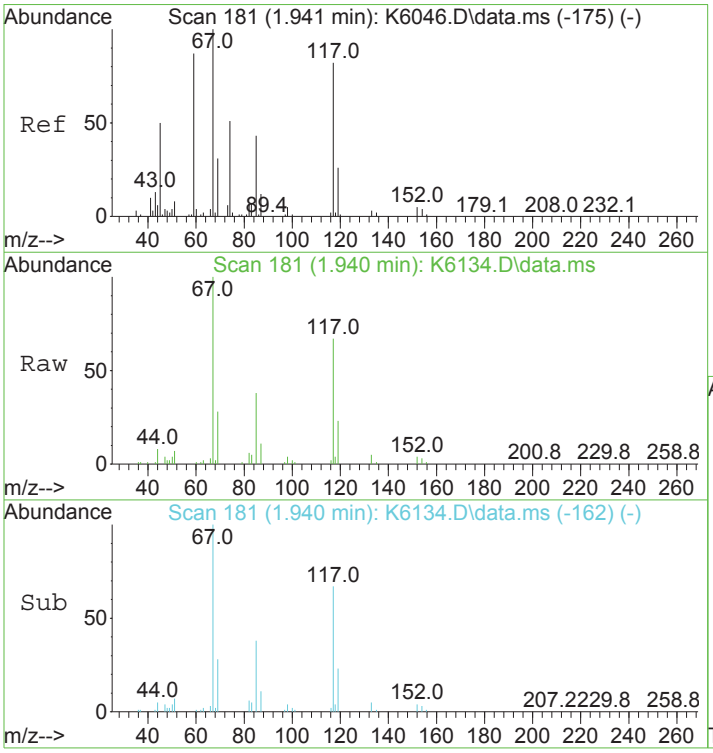
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6134.D
Acq On : 20 Sep 2024 07:06 pm
Operator : K.Ruest
Sample : R2409108-014
Misc : VERINA 8260 T2
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 20 19:25:16 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

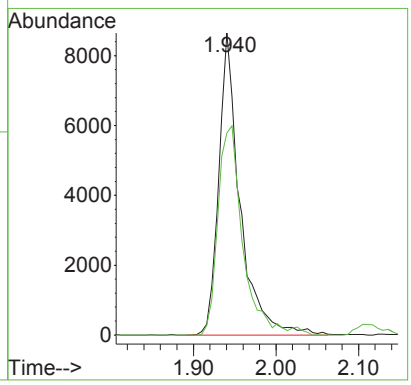


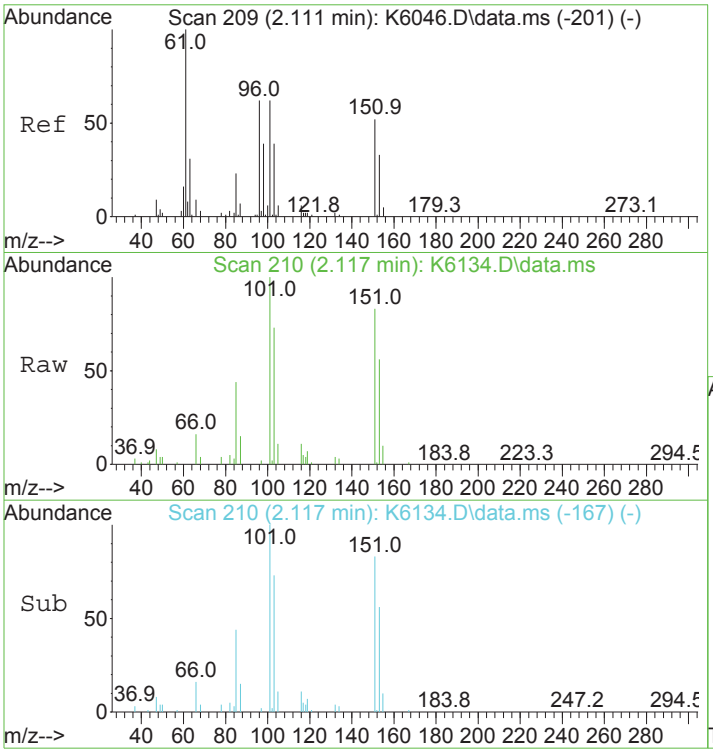


#11
Freon 123a
Concen: 4.05 ug/L
RT: 1.940 min Scan# 181
Delta R.T. -0.000 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion: 67 Resp: 15443

Ion	Ratio	Lower	Upper
67	100		
117	66.9	62.2	102.2

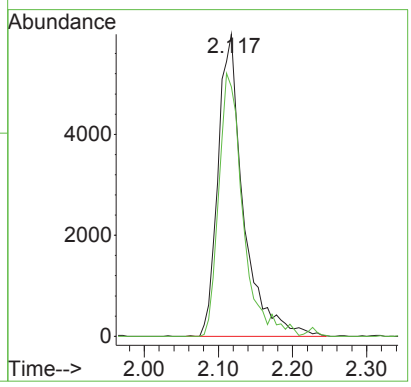


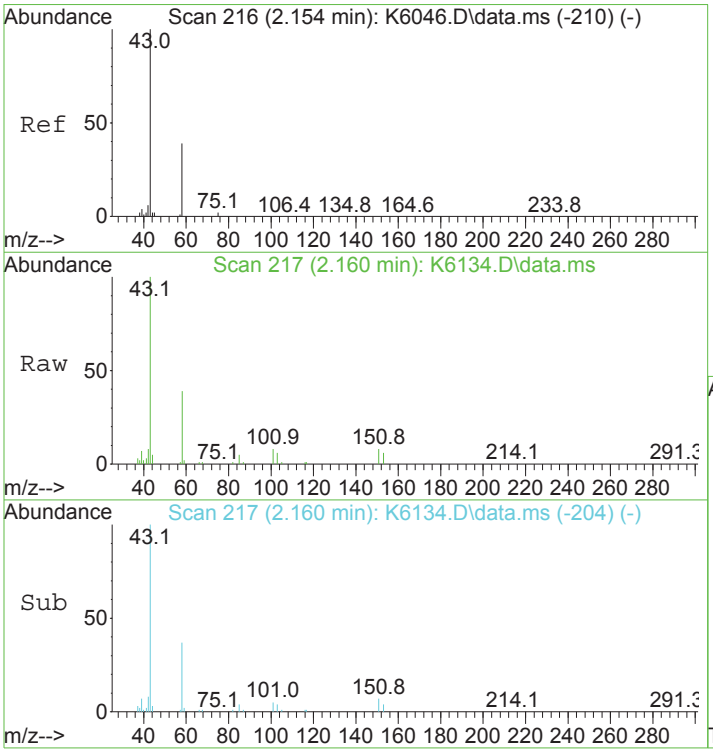


#15
Freon 113
Concen: 4.02 ug/L m
RT: 2.117 min Scan# 210
Delta R.T. 0.006 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion:101 Resp: 14206

Ion	Ratio	Lower	Upper
101	100		
151	82.6	63.3	103.3

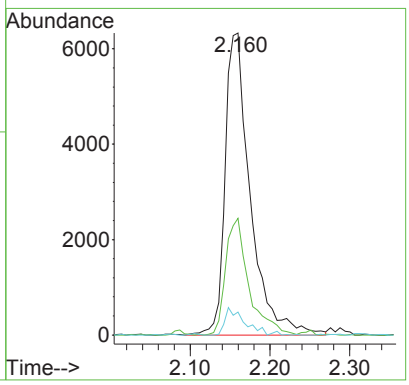


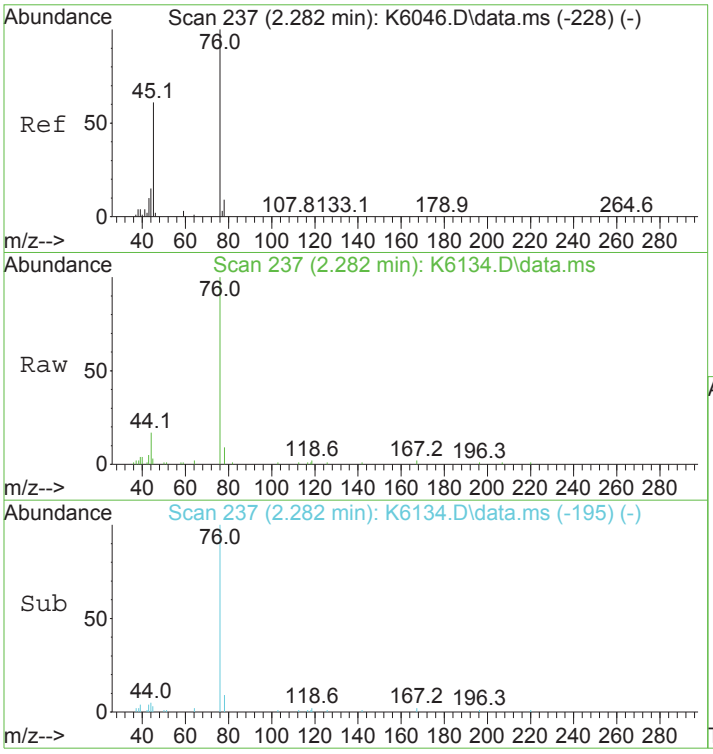


#16
Acetone
Concen: 8.47 ug/L
RT: 2.160 min Scan# 217
Delta R.T. 0.006 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion: 43 Resp: 13917

Ion	Ratio	Lower	Upper
43	100		
58	38.6	19.6	59.6
42	7.6	0.0	26.6

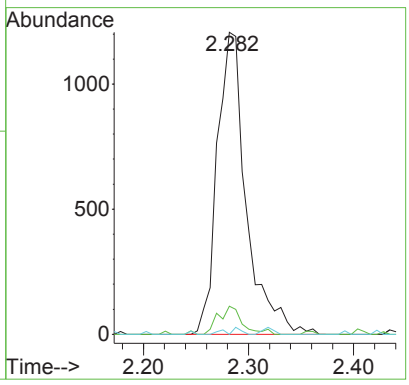


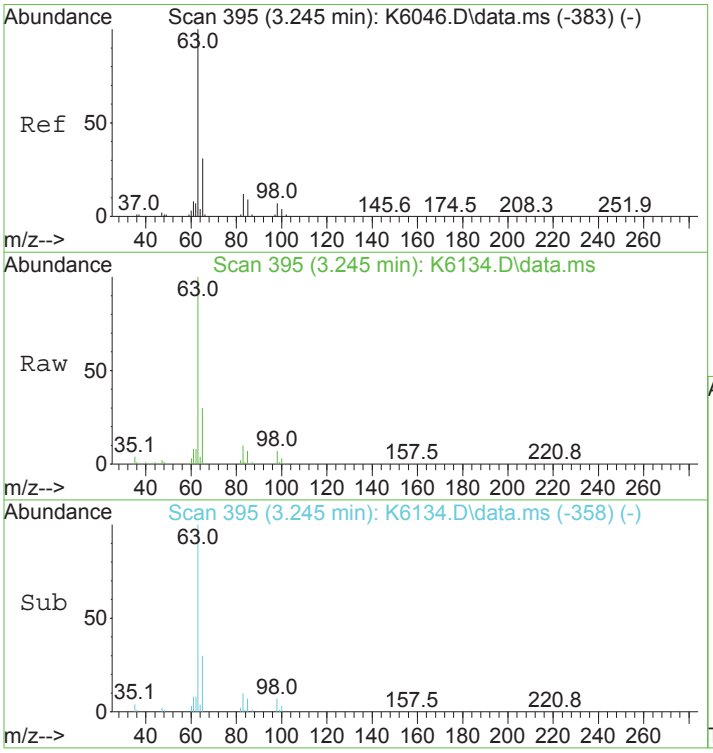


#19
Carbon Disulfide
Concen: 0.27 ug/L
RT: 2.282 min Scan# 237
Delta R.T. -0.000 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion: 76 Resp: 2316

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	29.4
77	0.0	0.0	22.8

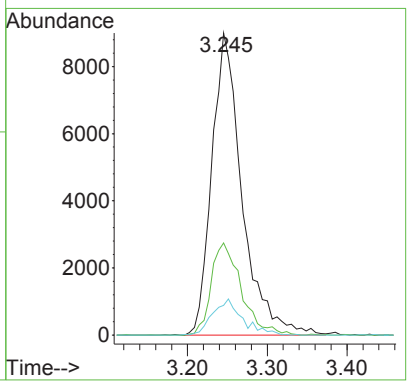


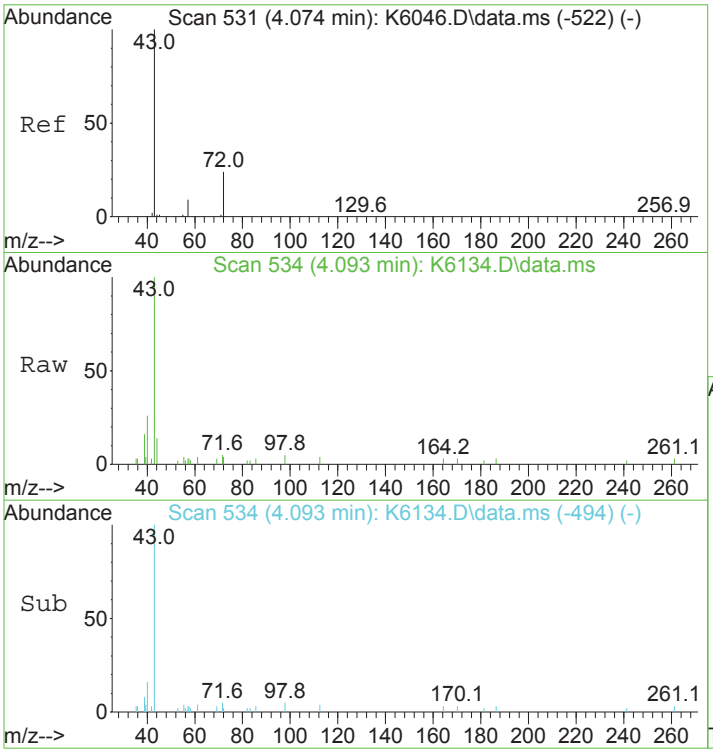


#27
1,1-Diclethane
Concen: 3.52 ug/L
RT: 3.245 min Scan# 395
Delta R.T. -0.000 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion: 63 Resp: 23724

Ion	Ratio	Lower	Upper
63	100		
65	30.4	10.5	50.5
83	9.8	0.0	32.3

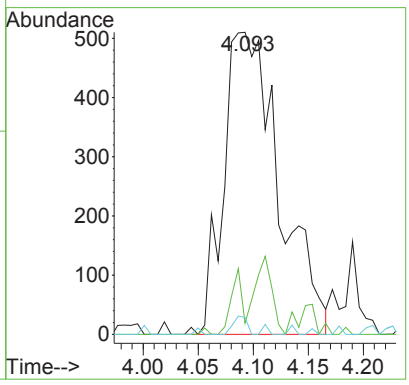


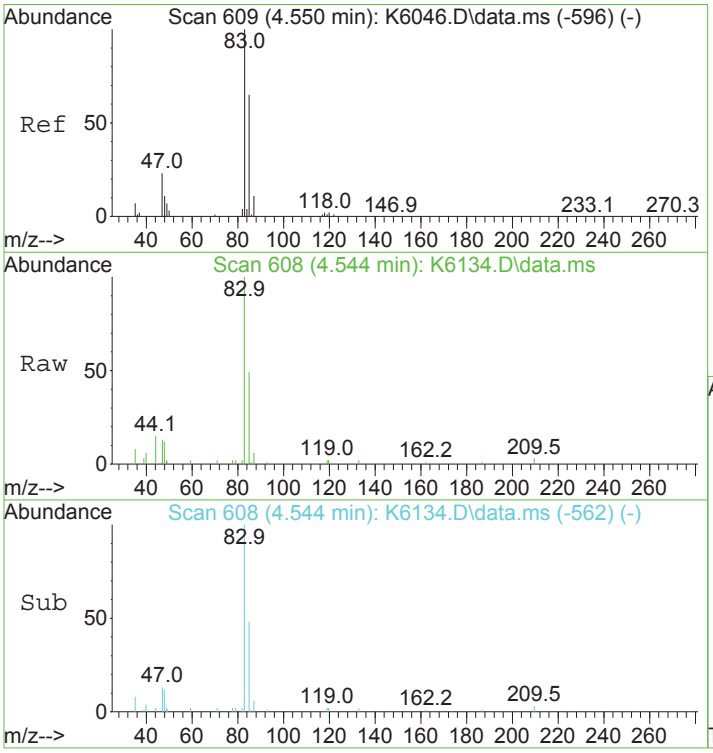


#34
2-Butanone
Concen: 0.86 ug/L
RT: 4.093 min Scan# 534
Delta R.T. 0.018 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion: 43 Resp: 1795

Ion	Ratio	Lower	Upper
43	100		
72	3.7	5.8	45.8#
57	5.7	0.0	29.4

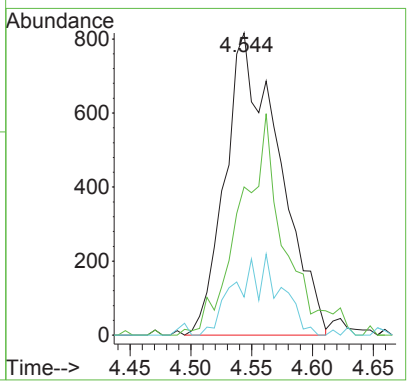


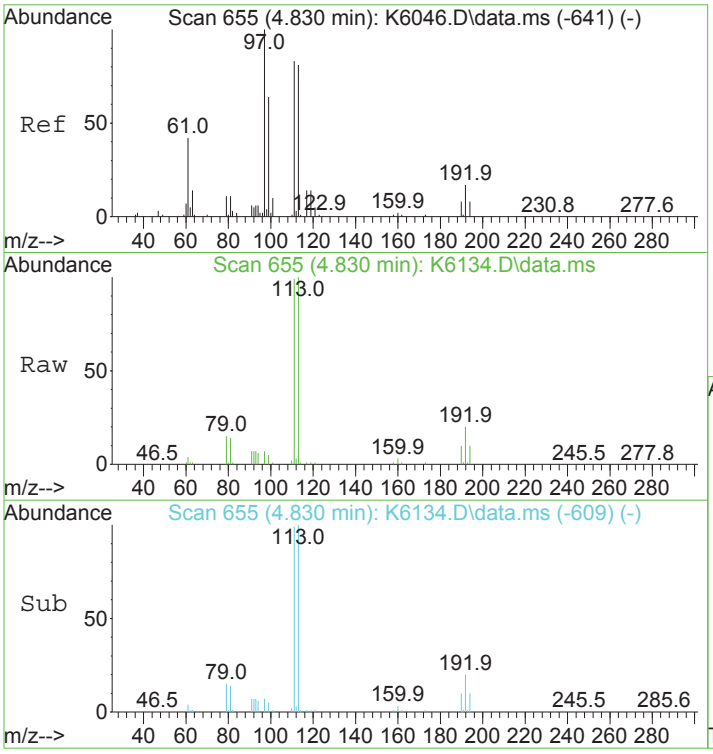


#39
Chloroform
Concen: 0.41 ug/L
RT: 4.544 min Scan# 608
Delta R.T. -0.006 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion: 83 Resp: 2508

Ion	Ratio	Lower	Upper
83	100		
85	49.0	45.0	85.0
47	12.6	3.2	43.2

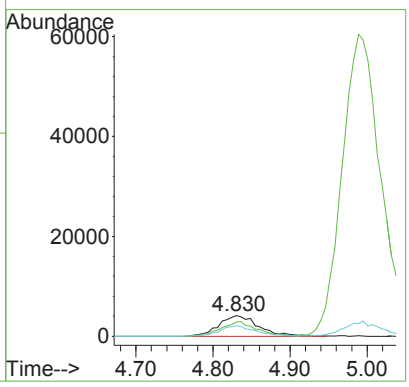




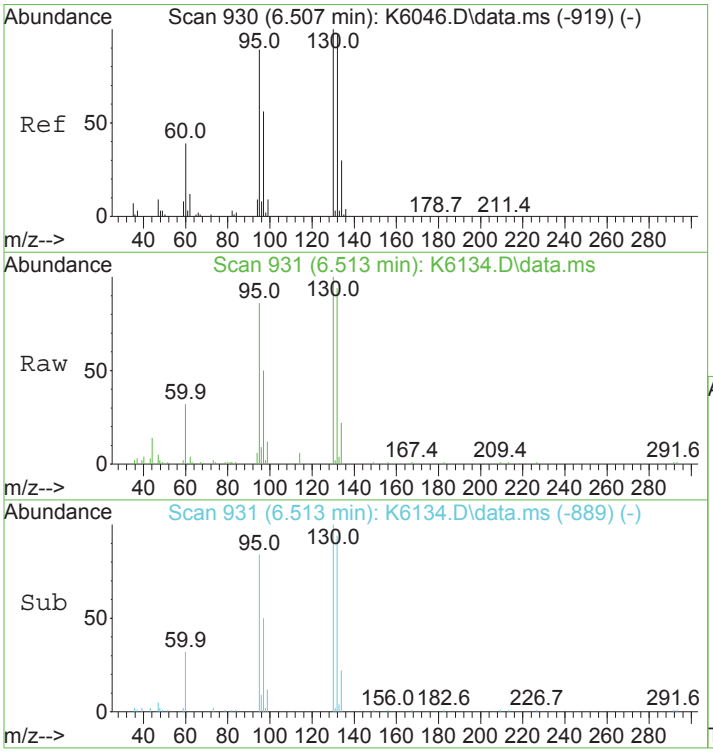
#40
1,1,1-Trichloroethane
Concen: 2.68 ug/L
RT: 4.830 min Scan# 655
Delta R.T. -0.000 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion: 97 Resp: 14841

Ion	Ratio	Lower	Upper
97	100		
99	69.9	43.7	83.7
61	50.6	22.1	62.1



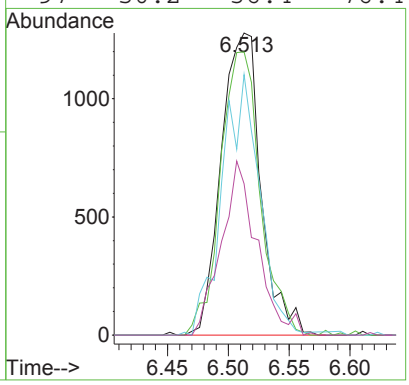
1st 09/26/24
2nd 09/26/24



#53
Trichloroethene
Concen: 0.67 ug/L
RT: 6.513 min Scan# 931
Delta R.T. 0.006 min
Lab File: K6134.D
Acq: 20 Sep 2024 07:06 pm

Tgt Ion:130 Resp: 2914

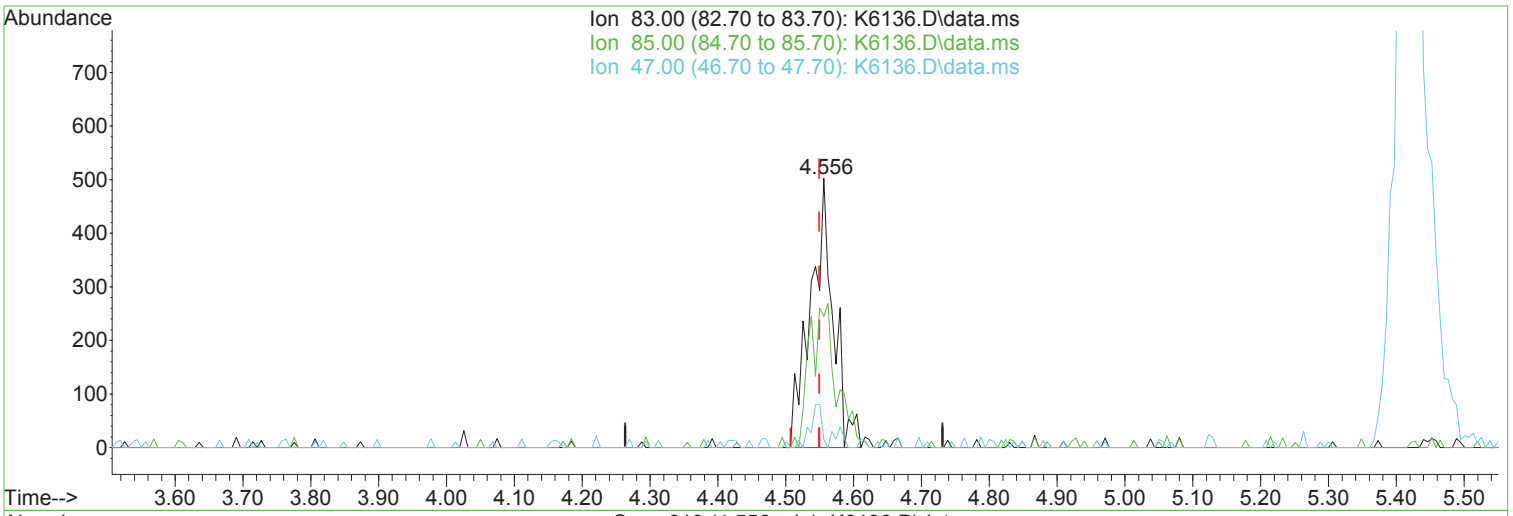
Ion	Ratio	Lower	Upper
130	100		
132	93.7	76.7	116.7
95	86.2	68.5	108.5
97	50.2	36.4	76.4

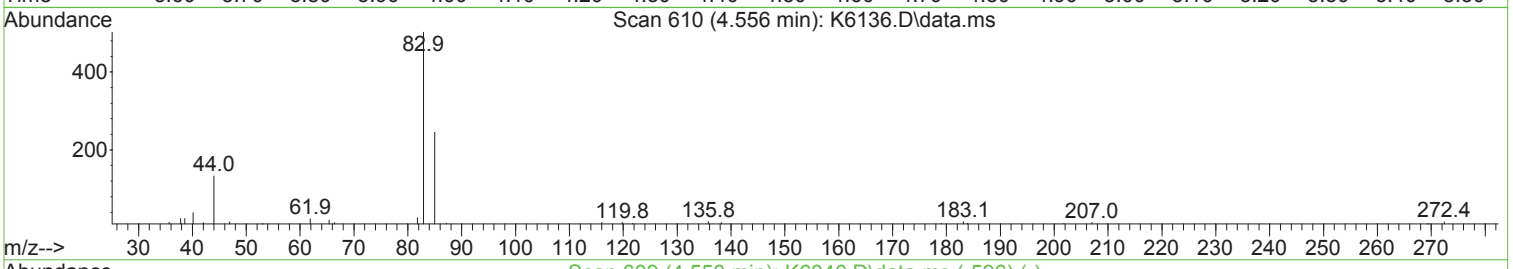


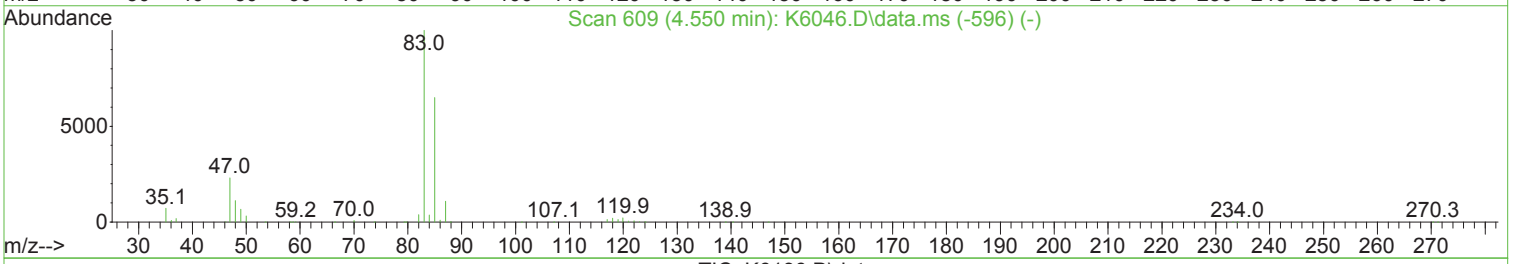
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6136.D
Acq On : 20 Sep 2024 07:52 pm
Operator : K.Ruest
Sample : R2409108-016|10
Misc : VERINA 8260 T2
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 21 07:32:03 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6136.D\data.ms

(39) Chloroform (P)

4.556min (+ 0.006) 0.19 ug/L m

response 1176

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	65.00	48.80
47.00	23.20	2.99#
0.00	0.00	0.00

Manual Integration:

After

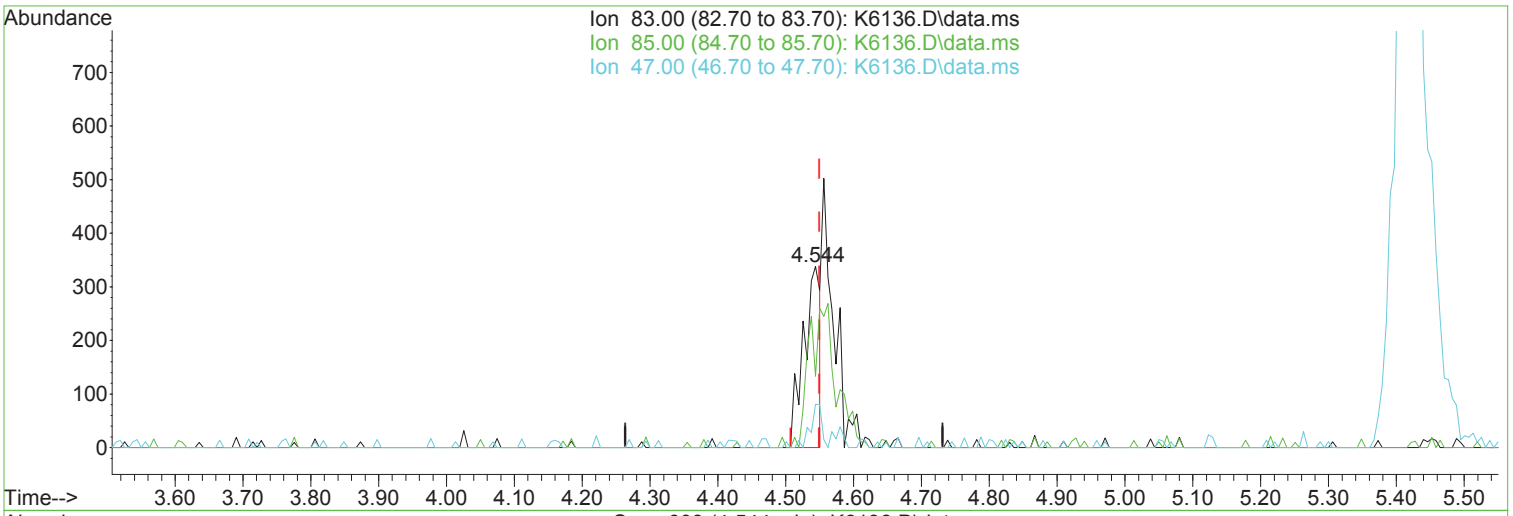
Split Peak.

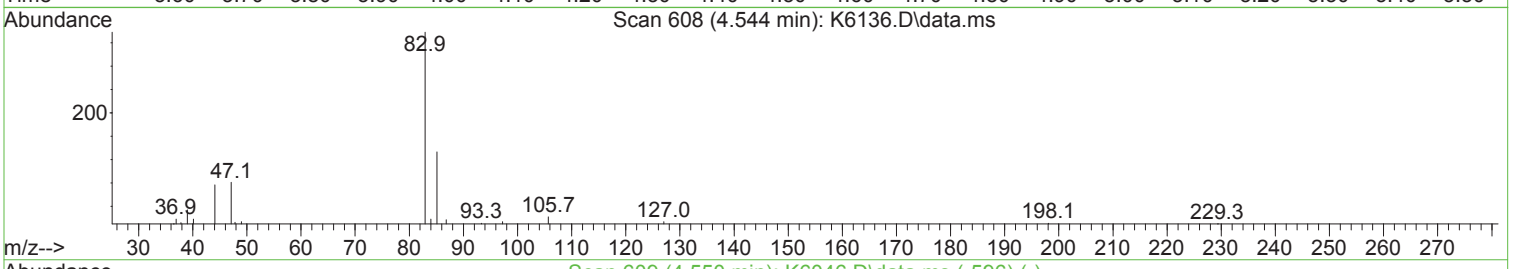
09/26/24

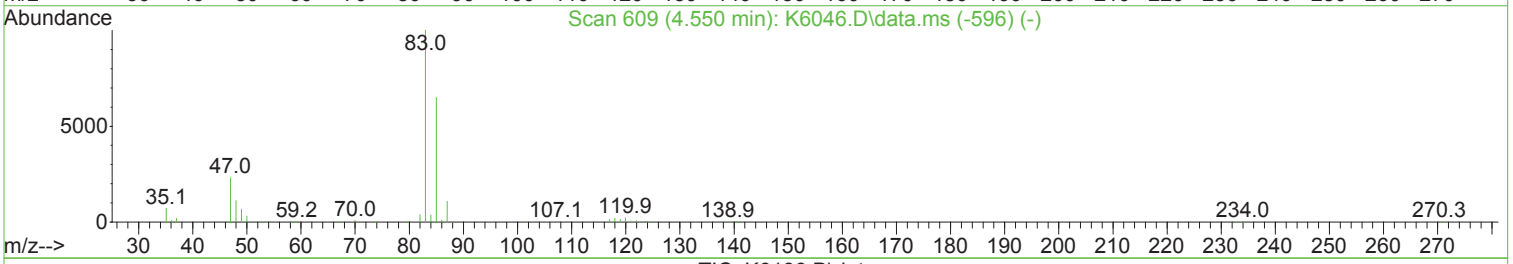
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6136.D
Acq On : 20 Sep 2024 07:52 pm
Operator : K.Ruest
Sample : R2409108-016|10
Misc : VERINA 8260 T2
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 21 07:32:03 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6136.D\data.ms

(39) Chloroform (P)

4.544min (-0.006) 0.09 ug/L

response 571

Ion	Exp%	Act%
83.00	100.00	100.00
85.00	65.00	39.35#
47.00	23.20	23.96
0.00	0.00	0.00

Manual Integration:

Before

09/26/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6136.D
Acq On : 20 Sep 2024 07:52 pm
Operator : K.Ruest
Sample : R2409108-016|10
Misc : VERINA 8260 T2
ALS Vial : 20 Sample Multiplier: 1

diluted for matrix

Quant Time: Sep 21 07:32:03 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

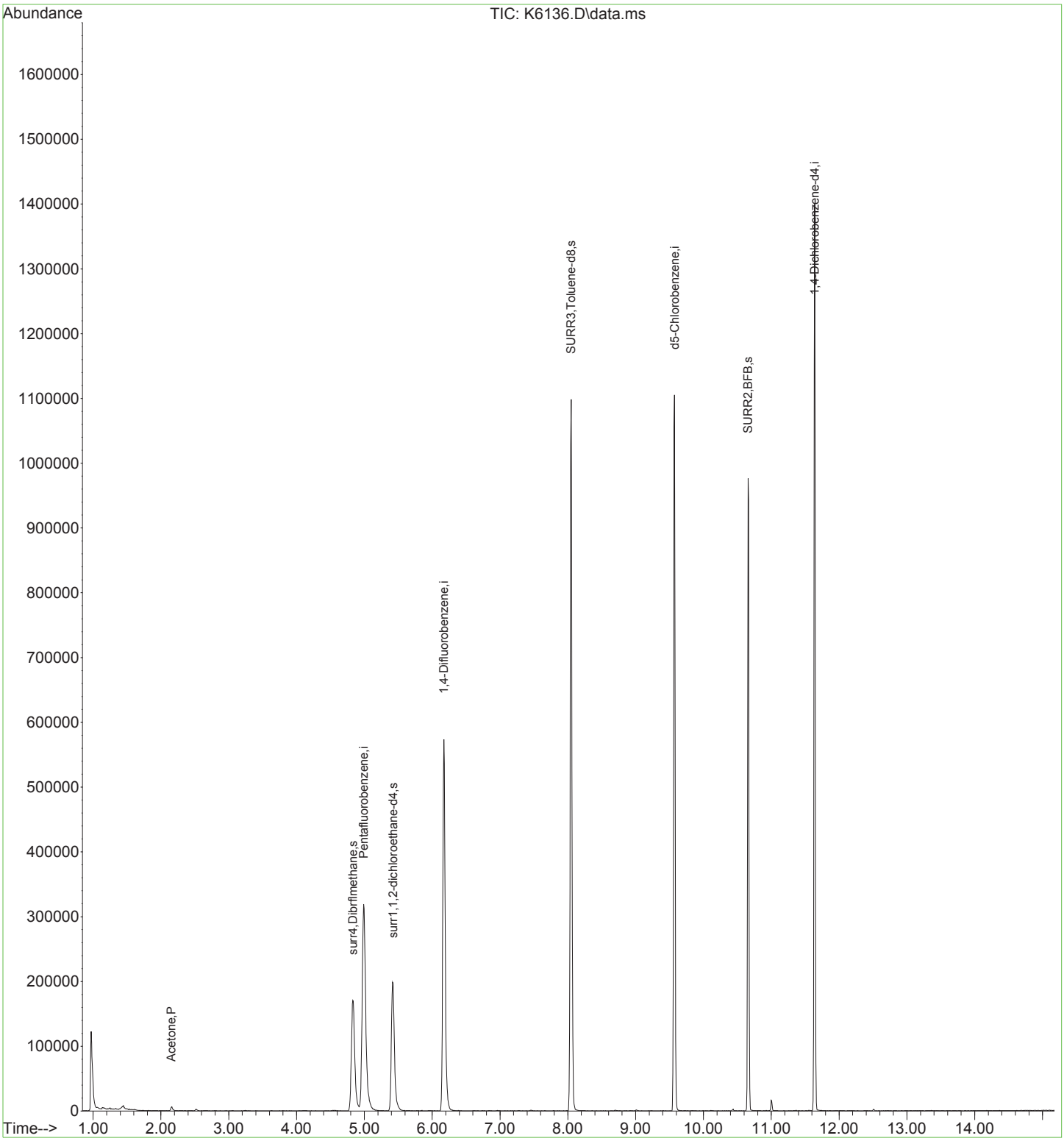
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	424136	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	640532	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	554188	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	287261	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	188277	48.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 97.20%			
47) surr1,1,2-dichloroetha...	5.422	65	220638	50.03	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.06%			
64) SURR3,Toluene-d8	8.049	98	732831	50.52	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.04%			
69) SURR2,BFB	10.658	95	270268	51.45	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.90%			
Target Compounds						Qvalue
16) Acetone	2.154	43	7290	4.453	ug/L	90

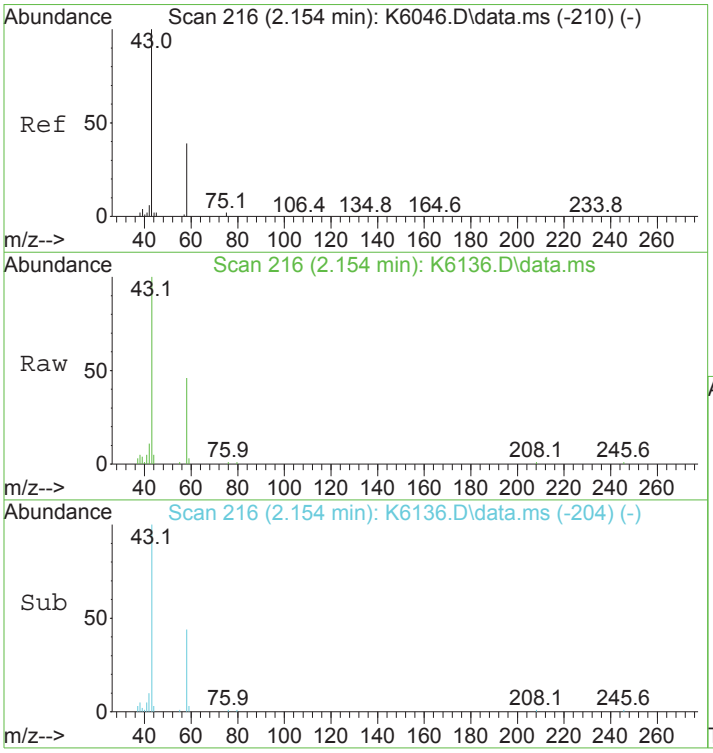
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/26/24
2nd 09/26/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6136.D
Acq On : 20 Sep 2024 07:52 pm
Operator : K.Ruest
Sample : R2409108-016|10
Misc : VERINA 8260 T2
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 21 07:32:03 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

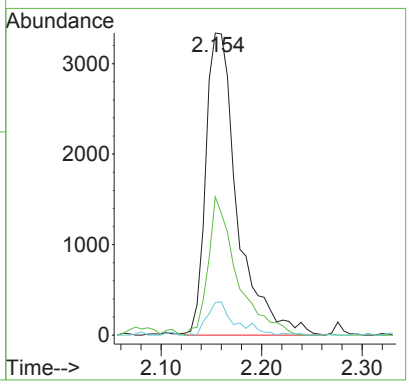




#16
Acetone
Concen: 4.45 ug/L
RT: 2.154 min Scan# 216
Delta R.T. -0.000 min
Lab File: K6136.D
Acq: 20 Sep 2024 07:52 pm

Tgt Ion: 43 Resp: 7290

Ion	Ratio	Lower	Upper
43	100		
58	45.8	19.6	59.6
42	10.8	0.0	26.6



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6118.D
Acq On : 20 Sep 2024 12:58 pm
Operator : K.Ruest
Sample : MBLK-UNP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 13:15:48 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

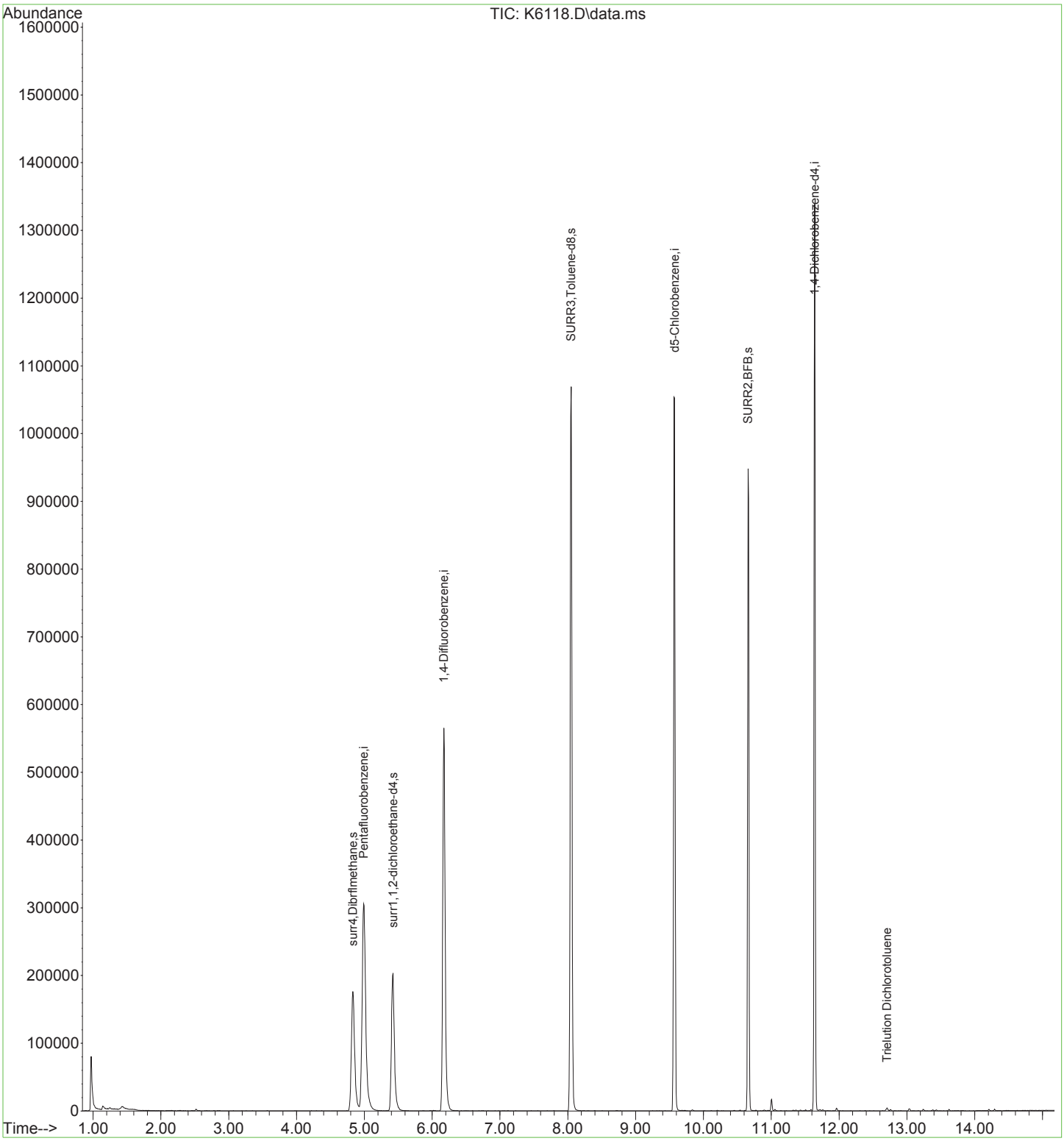
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	412388	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	632320	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	538804	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	274995	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	187577	49.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 98.10%			
47) surr1,1,2-dichloroetha...	5.422	65	220451	50.64	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.28%			
64) SURR3,Toluene-d8	8.049	98	725857	50.69	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.38%			
69) SURR2,BFB	10.659	95	262253	50.57	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.14%			
Target Compounds						Qvalue
22) Methylene Chloride	2.520	84	885	Below Cal	#	85
111) Trielution Dichlorotol...	12.707	125	2147	0.277	ug/L	91

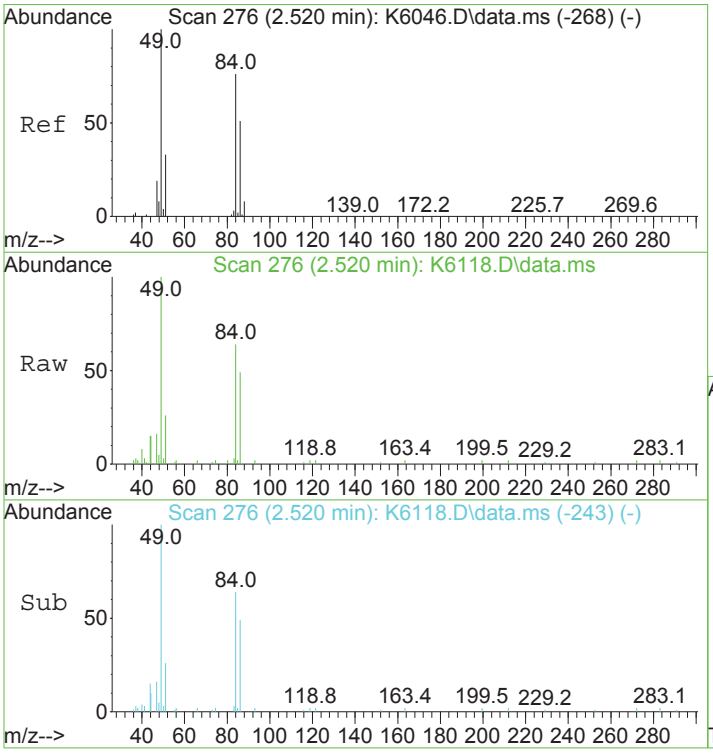
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6118.D
Acq On : 20 Sep 2024 12:58 pm
Operator : K.Ruest
Sample : MBLK-UNP
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 13:15:48 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

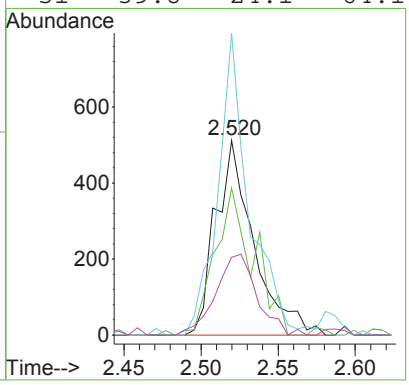


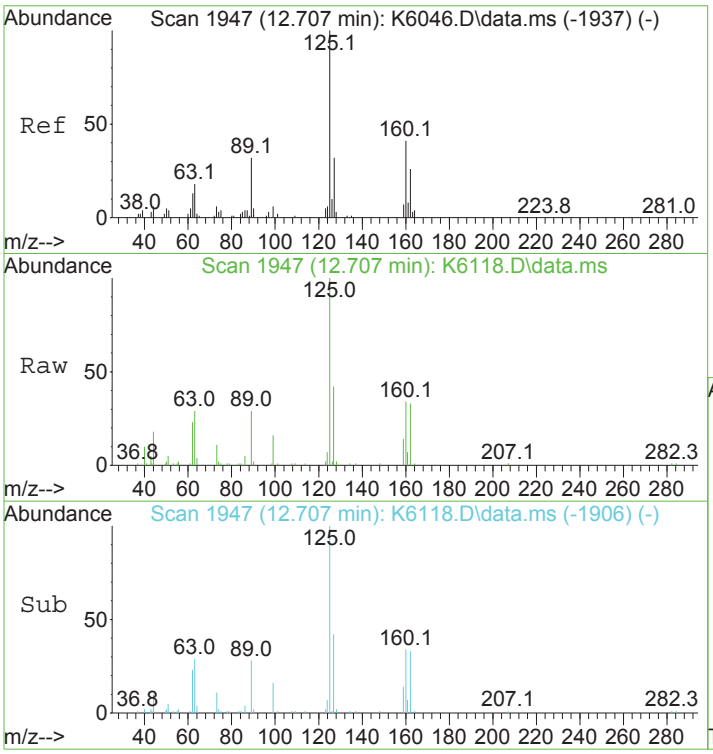


#22
Methylene Chloride
Concen: Below Cal
RT: 2.520 min Scan# 276
Delta R.T. 0.001 min
Lab File: K6118.D
Acq: 20 Sep 2024 12:58 pm

Tgt Ion: 84 Resp: 885

Ion	Ratio	Lower	Upper
84	100		
86	75.6	47.5	87.5
49	155.3	111.3	151.3#
51	39.8	24.1	64.1

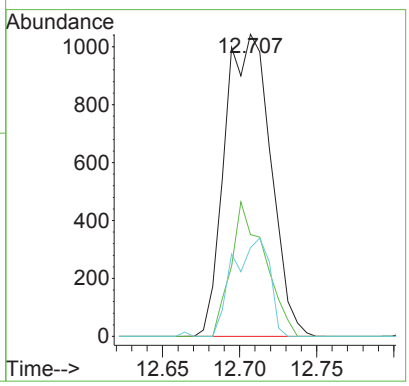




#111
Trielution Dichlorotoluene
Concen: 0.28 ug/L
RT: 12.707 min Scan# 1947
Delta R.T. 0.000 min
Lab File: K6118.D
Acq: 20 Sep 2024 12:58 pm

Tgt Ion:125 Resp: 2147

Ion	Ratio	Lower	Upper
125	100		
160	33.7	20.8	60.8
89	29.3	12.0	52.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6198.D
Acq On : 23 Sep 2024 12:10 pm
Operator : K.Ruest
Sample : MBLK-UNP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:50:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

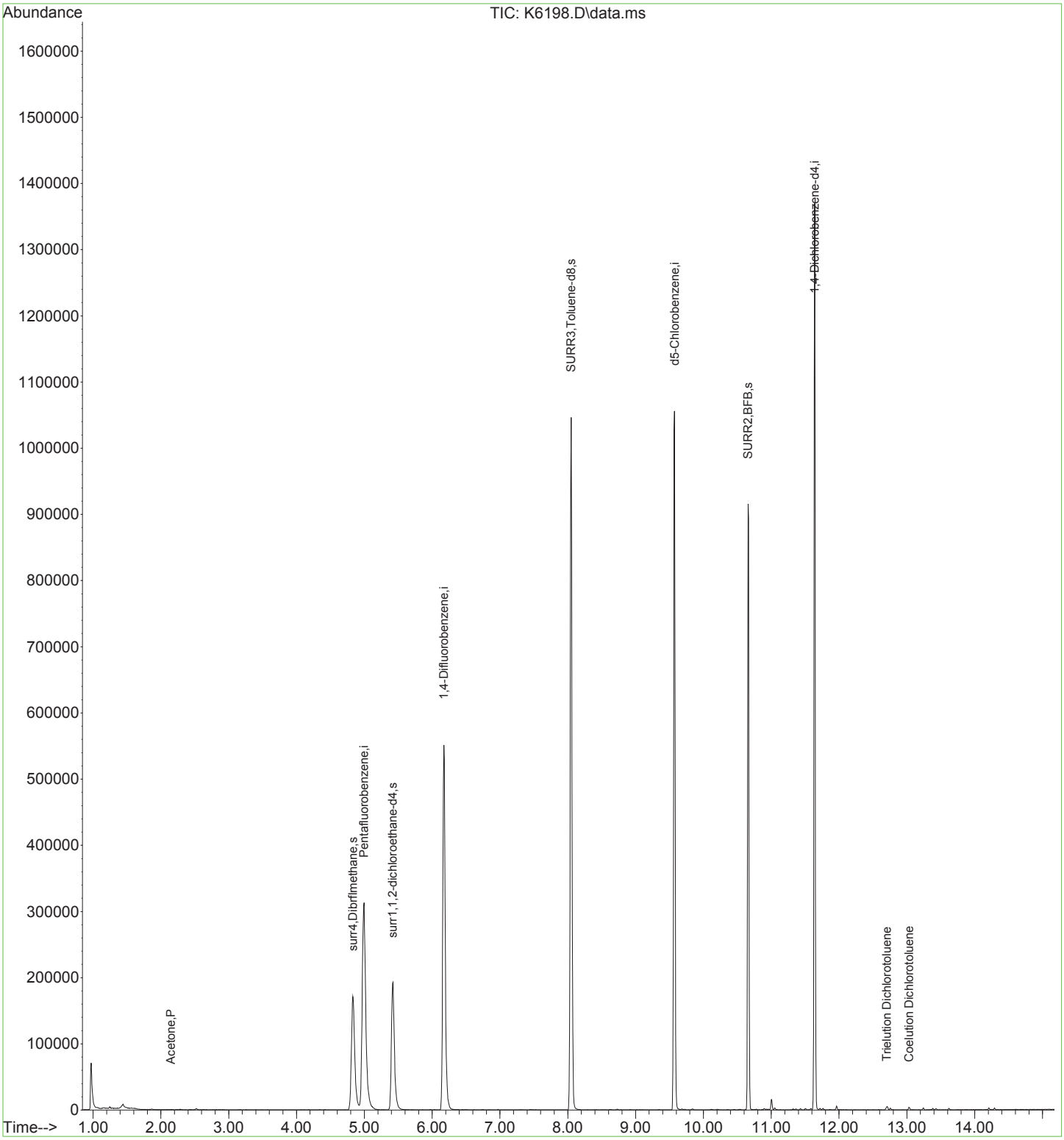
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.995	168	418284	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	638151	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	545084	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	280649	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	186922	48.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.86%			
47) surr1,1,2-dichloroetha...	5.416	65	212756	48.43	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.86%			
64) SURR3,Toluene-d8	8.049	98	710425	49.16	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.32%			
69) SURR2,BFB	10.659	95	259681	49.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.24%			
Target Compounds						Qvalue
16) Acetone	2.148	43	590	0.365	ug/L	84
22) Methylene Chloride	2.526	84	848	Below Cal		91
111) Trielution Dichlorotol...	12.701	125	2749	0.347	ug/L	78
113) Coelution Dichlorotoluene	13.030	125	1739	0.214	ug/L	87

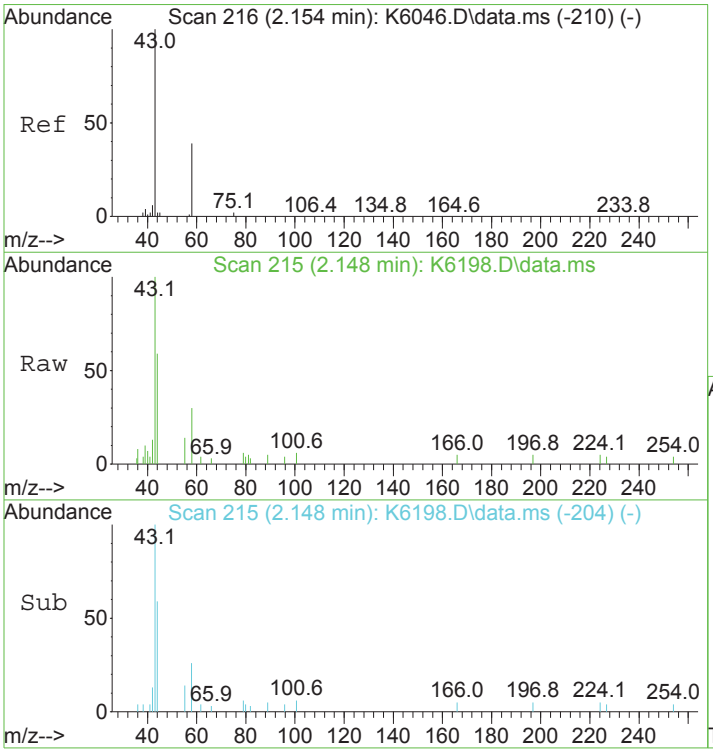
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6198.D
Acq On : 23 Sep 2024 12:10 pm
Operator : K.Ruest
Sample : MBLK-UNP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 12:50:42 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

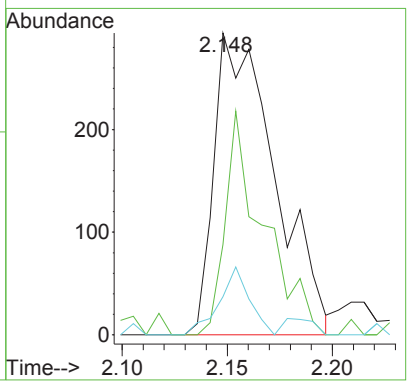


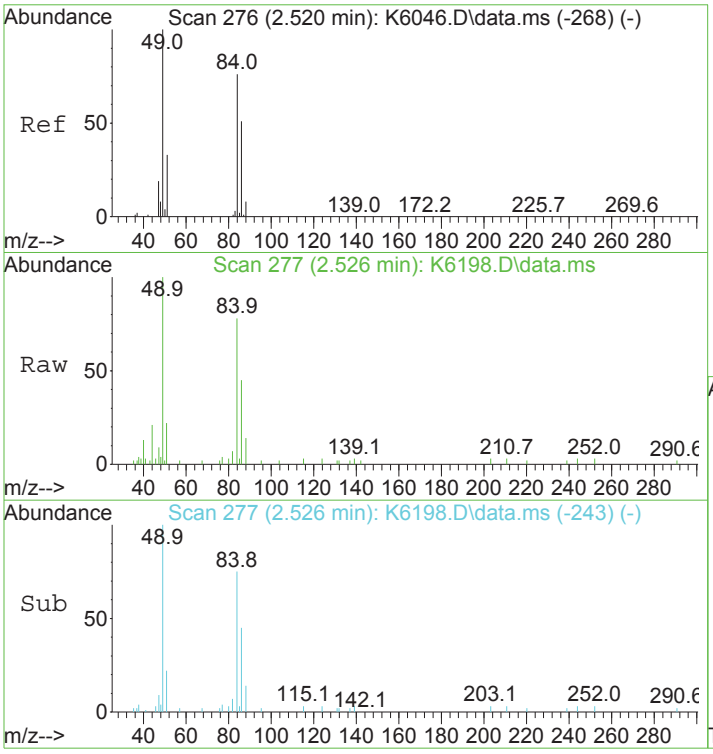


#16
Acetone
Concen: 0.37 ug/L
RT: 2.148 min Scan# 215
Delta R.T. -0.006 min
Lab File: K6198.D
Acq: 23 Sep 2024 12:10 pm

Tgt Ion: 43 Resp: 590

Ion	Ratio	Lower	Upper
43	100		
58	29.9	19.6	59.6
42	12.6	0.0	26.6

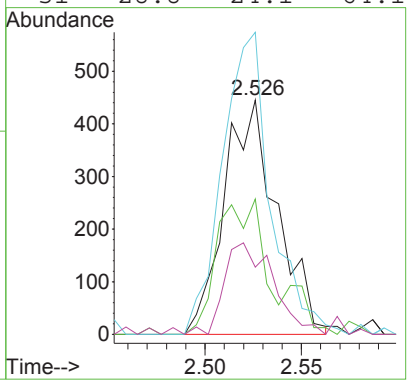


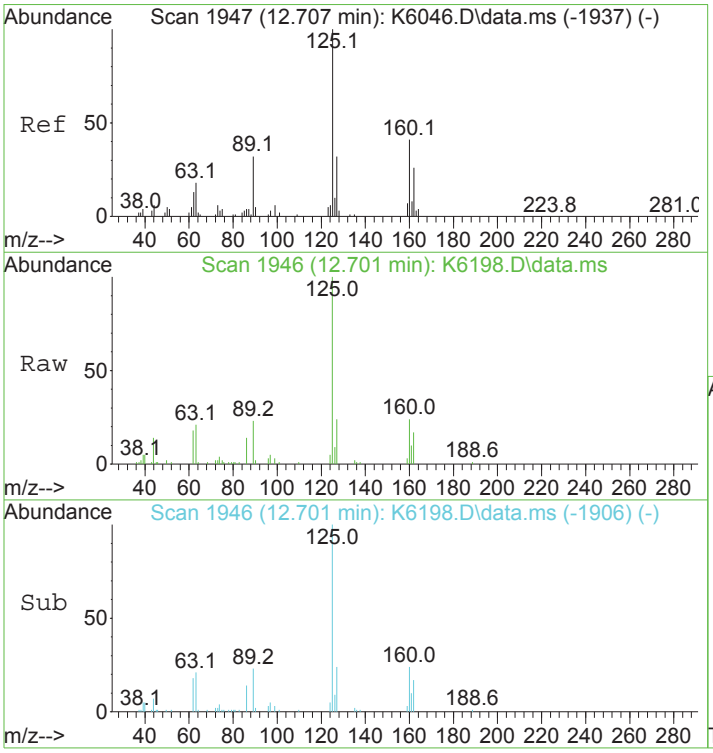


#22
Methylene Chloride
Concen: Below Cal
RT: 2.526 min Scan# 277
Delta R.T. 0.007 min
Lab File: K6198.D
Acq: 23 Sep 2024 12:10 pm

Tgt Ion: 84 Resp: 848

Ion	Ratio	Lower	Upper
84	100		
86	57.8	47.5	87.5
49	129.0	111.3	151.3
51	28.8	24.1	64.1

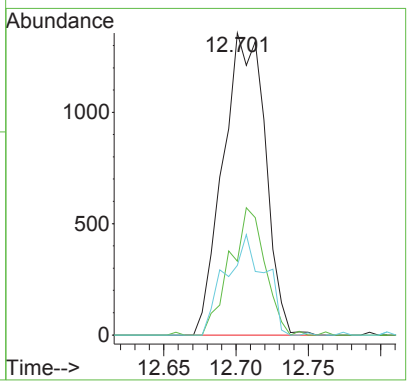


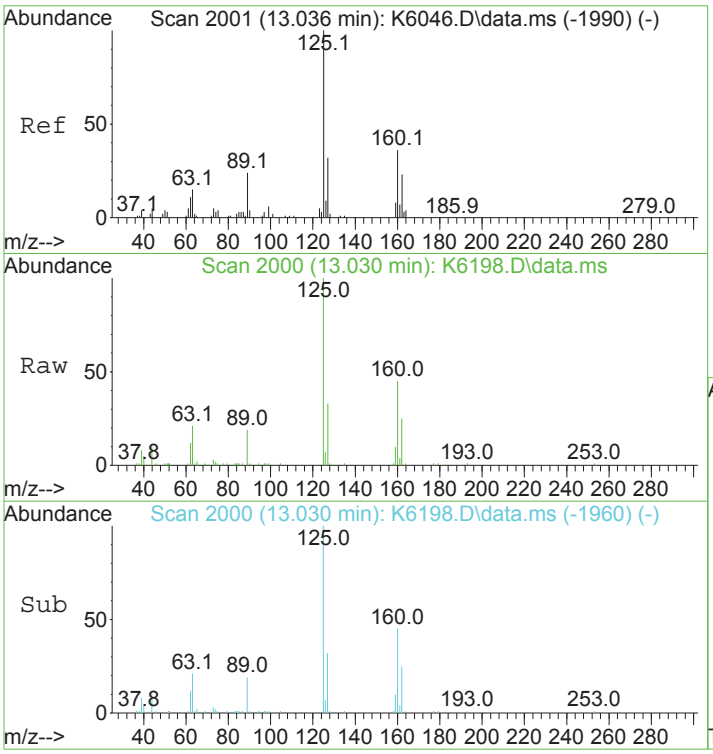


#111
Trielution Dichlorotoluene
Concen: 0.35 ug/L
RT: 12.701 min Scan# 1946
Delta R.T. -0.006 min
Lab File: K6198.D
Acq: 23 Sep 2024 12:10 pm

Tgt Ion:125 Resp: 2749

Ion	Ratio	Lower	Upper
125	100		
160	24.4	20.8	60.8
89	23.1	12.0	52.0

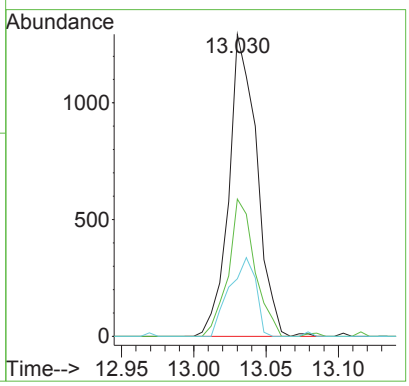




#113
Coelution Dichlorotoluene
Concen: 0.21 ug/L
RT: 13.030 min Scan# 2000
Delta R.T. -0.006 min
Lab File: K6198.D
Acq: 23 Sep 2024 12:10 pm

Tgt Ion:125 Resp: 1739

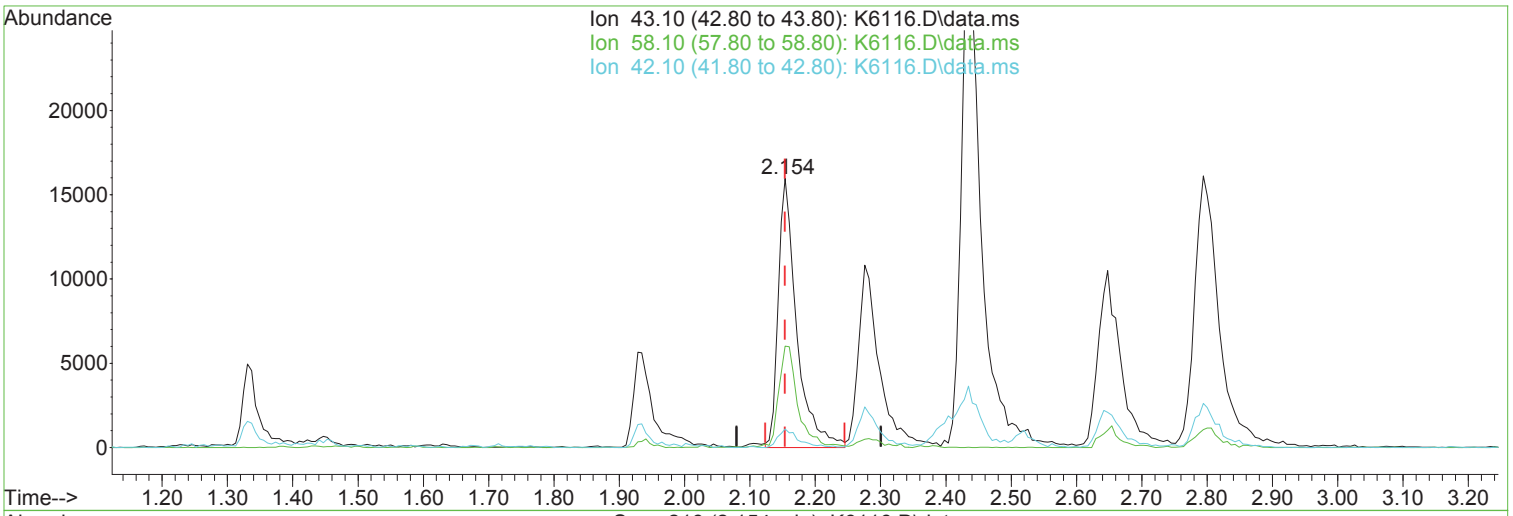
Ion	Ratio	Lower	Upper
125	100		
160	45.4	16.1	56.1
89	19.0	3.9	43.9

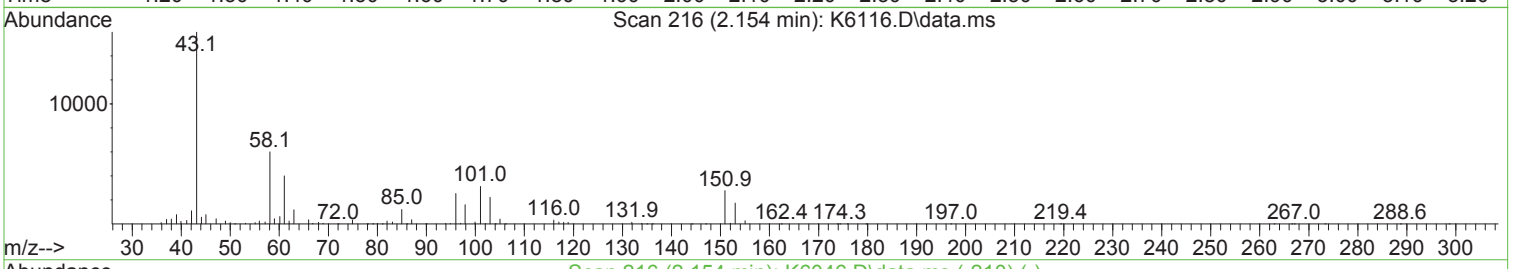


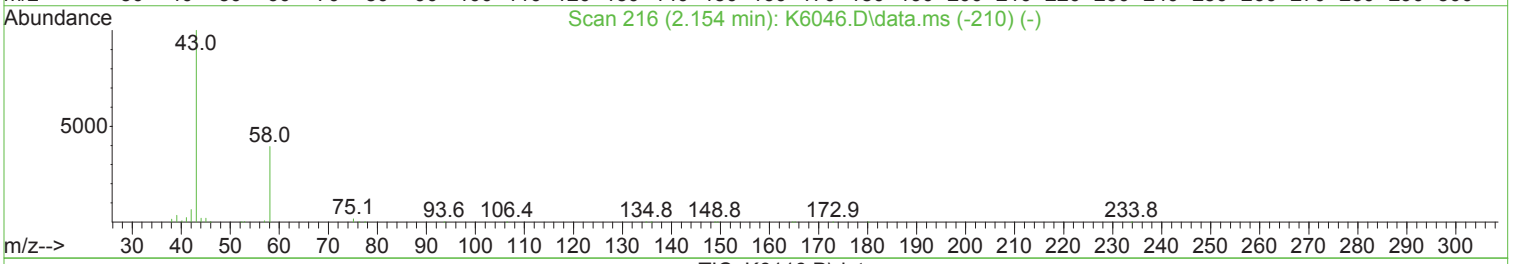
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6116.D
Acq On : 20 Sep 2024 12:01 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 12:19:12 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6116.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 19.19 ug/L m

response 31232

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	37.69
42.10	6.60	6.95
0.00	0.00	0.00

Manual Integration:

After

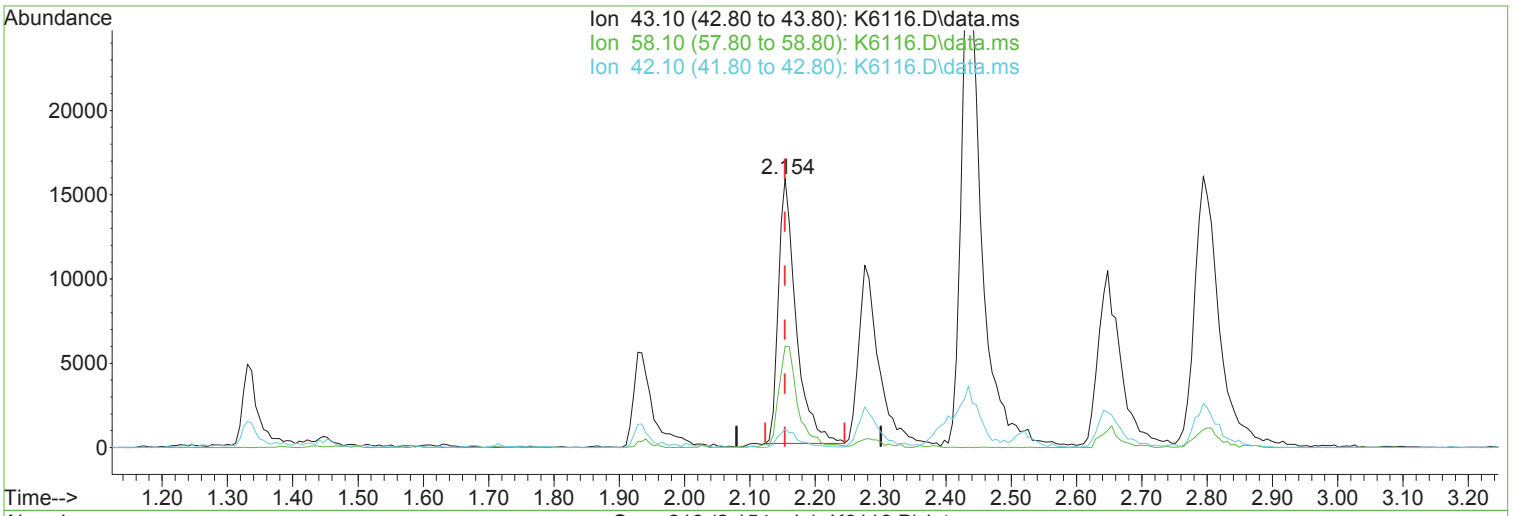
Poor integration.

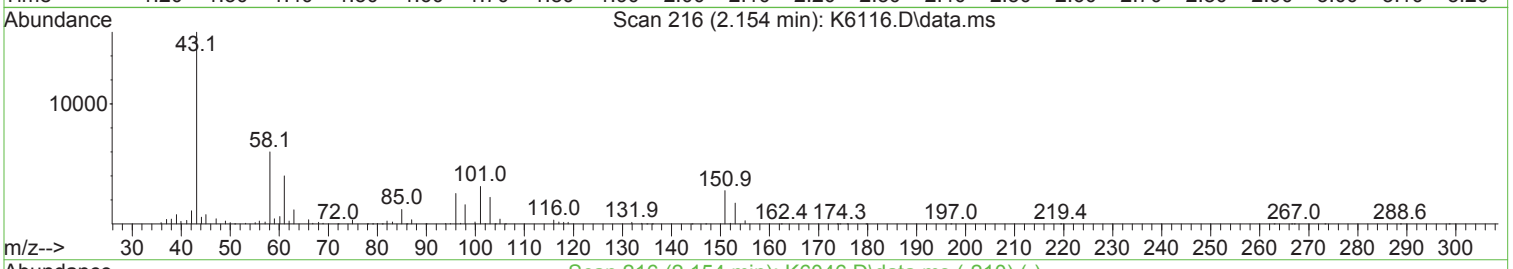
09/20/24

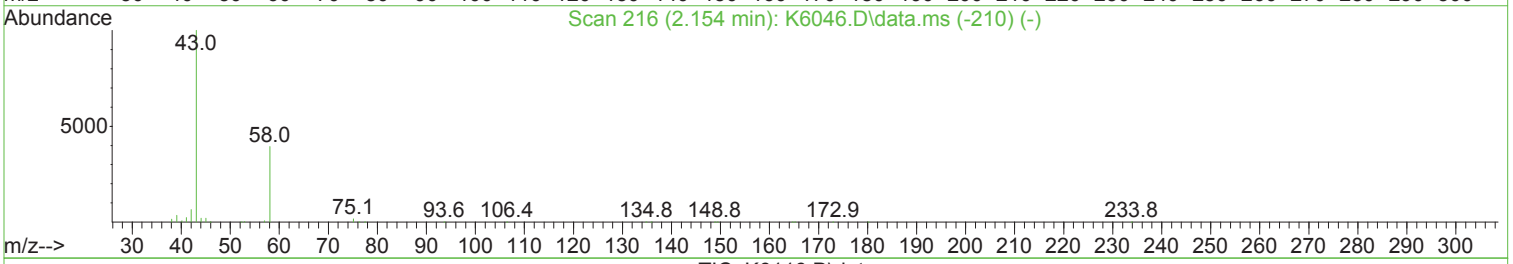
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6116.D
Acq On : 20 Sep 2024 12:01 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 12:19:12 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6116.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 18.06 ug/L

response 29381

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	37.69
42.10	6.60	6.95
0.00	0.00	0.00

Manual Integration:

Before

09/20/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6116.D
Acq On : 20 Sep 2024 12:01 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 12:19:12 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	421574	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	635365	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	545775	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	285854	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	196357	51.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.20%			
47) surr1,1,2-dichloroetha...	5.416	65	221917	50.73	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.46%			
64) SURR3,Toluene-d8	8.043	98	725103	50.40	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.80%			
69) SURR2,BFB	10.659	95	262828	50.44	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.88%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	77391	18.801	ug/L	94
3) Dichlorodifluoromethane	1.075	85	91909	25.277	ug/L	98
4) Chloromethane	1.191	50	86749	19.513	ug/L	98
5) Vinyl Chloride	1.264	62	87737	20.287	ug/L	98
6) Bromomethane	1.465	94	43430	18.410	ug/L	96
7) Chloroethane	1.538	64	43215	17.279	ug/L	100
8) Freon 21	1.678	67	99223	15.767	ug/L	100
9) Trichlorofluoromethane	1.721	101	102409	18.208	ug/L	96
10) Diethyl Ether	1.934	59	66482	17.972	ug/L	98
11) Freon 123a	1.941	67	65524	17.335	ug/L	98
12) Freon 123	1.989	83	103051	21.022	ug/L	99
13) Acrolein	2.026	56	30898	27.388	ug/L	87
14) 1,1-Diclethene	2.105	96	64591	18.820	ug/L	93
15) Freon 113	2.111	101	63196	18.047	ug/L	95
16) Acetone	2.154	43	31232m	19.193	ug/L	
17) 2-Propanol	2.276	45	118664	408.376	ug/L	95
18) Iodomethane	2.227	142	87251	16.310	ug/L	99
19) Carbon Disulfide	2.276	76	141429	16.820	ug/L	96
20) Acetonitrile/Allyl Chl...	2.410	41	145163	119.204	ug/L	96
21) Methyl Acetate	2.434	43	60551	18.790	ug/L	95
22) Methylene Chloride	2.520	84	68111	18.974	ug/L	96
23) TBA	2.648	59	227624	427.914	ug/L	100
24) Acrylonitrile	2.757	53	184453	95.619	ug/L	96
25) Methyl-t-Butyl Ether	2.800	73	202578	18.941	ug/L	99
26) trans-1,2-Dichloroethene	2.782	96	68343	18.423	ug/L	97
27) 1,1-Diclethane	3.245	63	126506	18.965	ug/L	98
28) Vinyl Acetate	3.331	86	12763	15.158	ug/L #	88
29) DIPE	3.361	45	168596	15.040	ug/L	99
30) 2-Chloro-1,3-Butadiene	3.355	53	96258	15.593	ug/L	95
31) ETBE	3.849	59	199849	16.042	ug/L	98
32) 2,2-Dichloropropane	4.007	77	91025	18.435	ug/L	99
33) cis-1,2-Dichloroethene	4.019	96	78778	19.982	ug/L	94
34) 2-Butanone	4.074	43	37790	18.263	ug/L	93
35) Propionitrile	4.154	54	77370	97.620	ug/L	96
36) Bromochloromethane	4.379	130	52041	18.206	ug/L	99
37) Methacrylonitrile	4.397	67	35722	19.634	ug/L	99
38) Tetrahydrofuran	4.483	42	25505	19.696	ug/L	93
39) Chloroform	4.550	83	116303	19.078	ug/L	98
40) 1,1,1-Trichloroethane	4.824	97	99188	18.095	ug/L	96

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6116.D
Acq On : 20 Sep 2024 12:01 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 12:19:12 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.763	73	164098	16.427	ug/L	99
43) Cyclohexane	4.910	41	54048	17.829	ug/L	95
45) Carbontetrachloride	5.129	117	82547	17.546	ug/L	98
46) 1,1-Dichloropropene	5.141	75	81932	17.902	ug/L	97
48) Benzene	5.495	78	259723	19.068	ug/L	100
49) 1,2-Dichloroethane	5.544	62	100249	19.052	ug/L	99
50) Iso-Butyl Alcohol	5.556	43	77245	407.727	ug/L	96
51) n-Heptane	6.025	43	92752	19.074	ug/L	97
52) 1-Butanol	6.580	56	123414	929.794	ug/L	100
53) Trichloroethene	6.507	130	80823	18.916	ug/L	100
54) Methylcyclohexane	6.745	55	101632	18.222	ug/L	96
55) 1,2-Diclpropane	6.799	63	66291	17.066	ug/L	96
56) Dibromomethane	6.952	93	44277	19.121	ug/L	96
57) 1,4-Dioxane	7.037	88	24214	417.718	ug/L	88
58) Methyl Methacrylate	7.056	69	55918	20.054	ug/L	99
59) Bromodichloromethane	7.190	83	80981	19.058	ug/L	99
60) 2-Nitropropane	7.494	41	34269	36.138	ug/L	100
61) 2-Chloroethylvinyl Ether	7.622	63	5968	10.729	ug/L	89
62) cis-1,3-Dichloropropene	7.750	75	103173	19.955	ug/L	98
63) 4-Methyl-2-pentanone	7.976	43	73380	19.532	ug/L	99
65) Toluene	8.122	91	290912	19.061	ug/L	98
66) trans-1,3-Dichloropropene	8.409	75	95725	20.367	ug/L	98
67) Ethyl Methacrylate	8.561	69	97935	20.037	ug/L	99
68) 1,1,2-Trichloroethane	8.598	97	68922	19.402	ug/L	98
71) Tetrachloroethene	8.720	164	61938	18.615	ug/L	96
72) 2-Hexanone	8.909	43	53160	19.084	ug/L	99
73) 1,3-Dichloropropane	8.769	76	106496	18.692	ug/L	99
74) Dibromochloromethane	9.000	129	70635	18.893	ug/L	99
75) N-Butyl Acetate	9.067	43	119255	19.787	ug/L	98
76) 1,2-Dibromoethane	9.092	107	71750	18.892	ug/L	98
77) 3-Chlorobenzotrifluoride	9.628	180	91101	15.325	ug/L	98
78) Chlorobenzene	9.598	112	199973	18.409	ug/L	99
79) 4-Chlorobenzotrifluoride	9.683	180	81245	15.519	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.689	131	71845	18.766	ug/L	97
81) Ethylbenzene	9.720	106	108288	19.430	ug/L	95
82) (m+p)Xylene	9.835	106	262586	38.188	ug/L	98
83) o-Xylene	10.201	106	127109	18.804	ug/L	96
84) Styrene	10.213	104	217020	19.537	ug/L	99
85) Bromoform	10.366	173	45762	20.781	ug/L	98
86) 2-Chlorobenzotrifluoride	10.451	180	87142	15.604	ug/L	100
87) Isopropylbenzene	10.537	105	327618	20.237	ug/L	99
88) Cyclohexanone	10.604	55	411035	435.112	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.860	53	24588	17.627	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.805	83	93786	19.001	ug/L	97
92) Bromobenzene	10.780	156	87375	19.105	ug/L	98
93) 1,2,3-Trichloropropane	10.835	110	32376	18.692	ug/L	94
94) n-Propylbenzene	10.896	91	374037	18.996	ug/L	99
95) 2-Chlorotoluene	10.957	91	222737	19.063	ug/L	98
96) 3-Chlorotoluene	11.012	91	195240	16.102	ug/L	99
97) 4-Chlorotoluene	11.049	91	262592	19.169	ug/L	99
98) 1,3,5-Trimethylbenzene	11.055	105	280431	18.761	ug/L	98
99) tert-Butylbenzene	11.323	119	252381	19.025	ug/L	100
100) 1,2,4-Trimethylbenzene	11.366	105	285988	19.314	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.433	214	64600	15.384	ug/L	96
102) sec-Butylbenzene	11.506	105	355307	18.992	ug/L	99
103) p-Isopropyltoluene	11.634	119	316635	19.717	ug/L	99

1st 09/20/24
2nd 09/26/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6116.D
Acq On : 20 Sep 2024 12:01 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

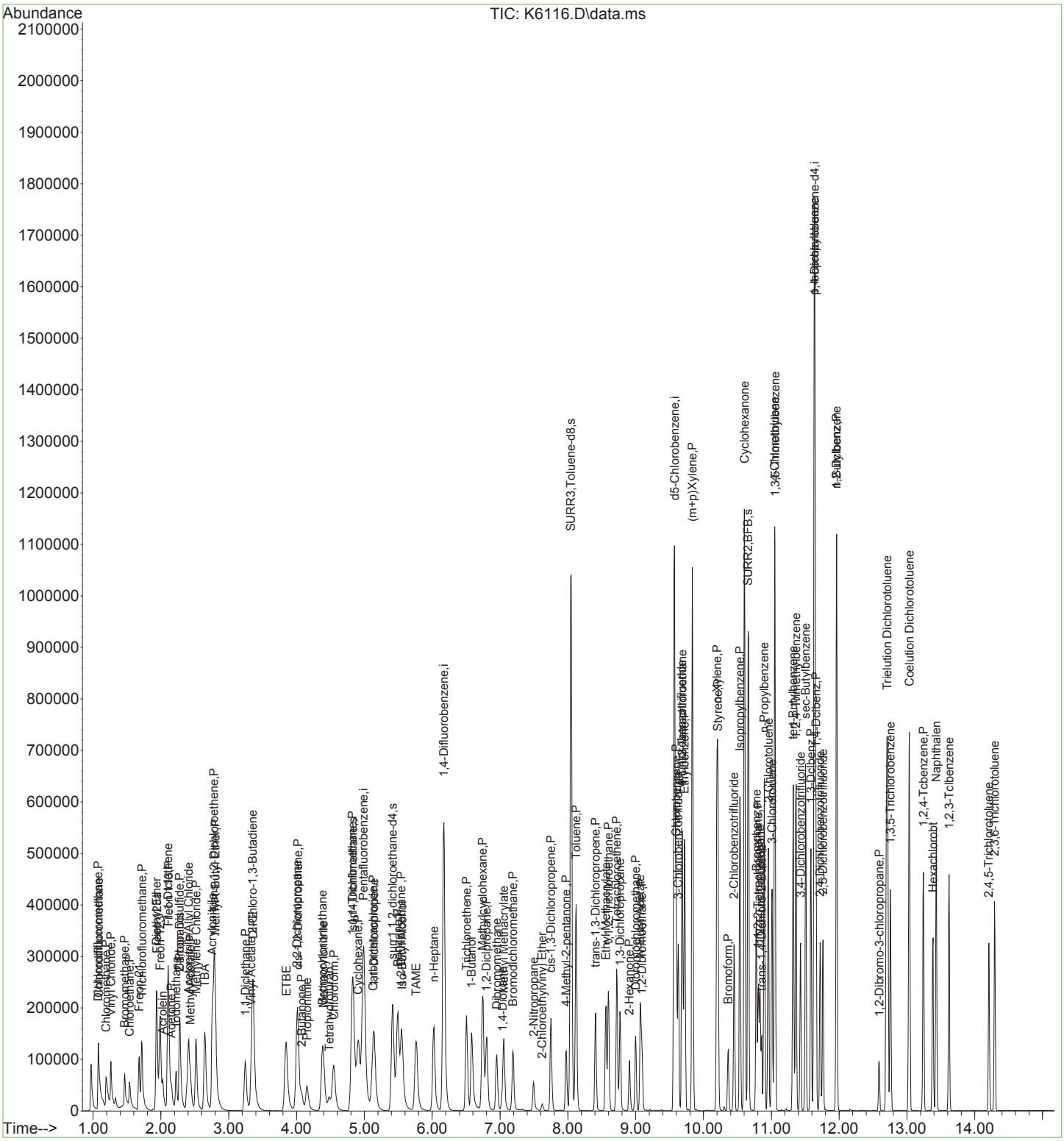
Quant Time: Sep 20 12:19:12 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	168606	19.015	ug/L	99
105) 1,4-Dclbenz	11.658	146	175105	19.741	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.719	214	59738	16.114	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.762	214	63284	15.249	ug/L	97
108) n-Butylbenzene	11.963	91	270973	20.156	ug/L	99
109) 1,2-Dclbenz	11.963	146	164252	19.064	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	22832	20.791	ug/L	95
111) Trielution Dichlorotol...	12.707	125	385704	47.869	ug/L	100
112) 1,3,5-Trichlorobenzene	12.756	180	99533	15.987	ug/L	98
113) Coelution Dichlorotoluene	13.036	125	274628	33.116	ug/L	98
114) 1,2,4-Tcbenzene	13.243	180	112492	19.221	ug/L	96
115) Hexachlorobt	13.384	225	48896	20.046	ug/L	99
116) Naphthalen	13.432	128	329302	21.032	ug/L	99
117) 1,2,3-Tclbenzene	13.621	180	107398	19.507	ug/L	97
118) 2,4,5-Trichlorotoluene	14.207	159	70829	17.620	ug/L	98
119) 2,3,6-Trichlorotoluene	14.292	159	79130	22.146	ug/L	96

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6116.D
Acq On : 20 Sep 2024 12:01 pm
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

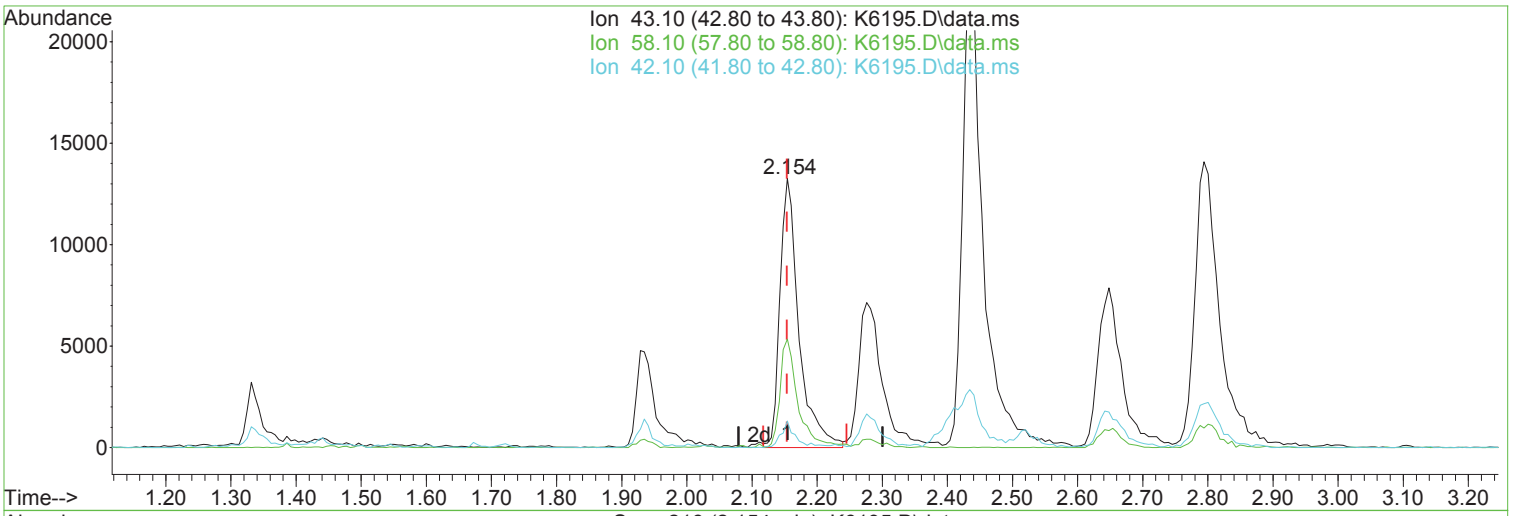
Quant Time: Sep 20 12:19:12 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

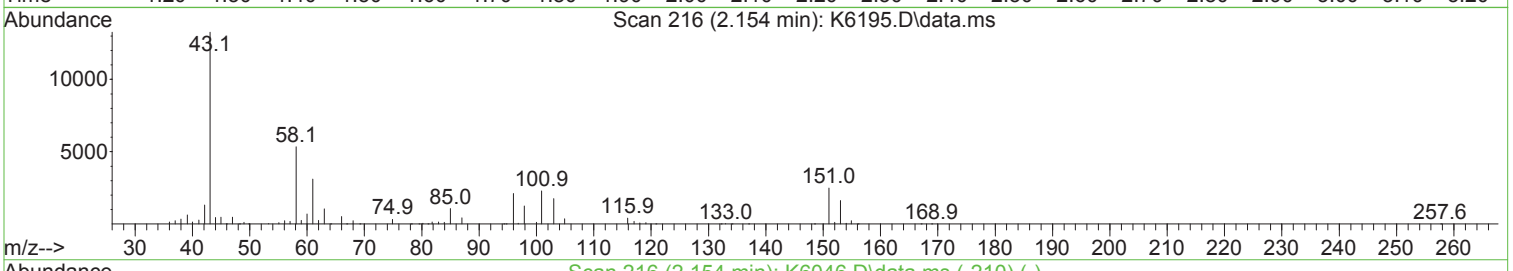


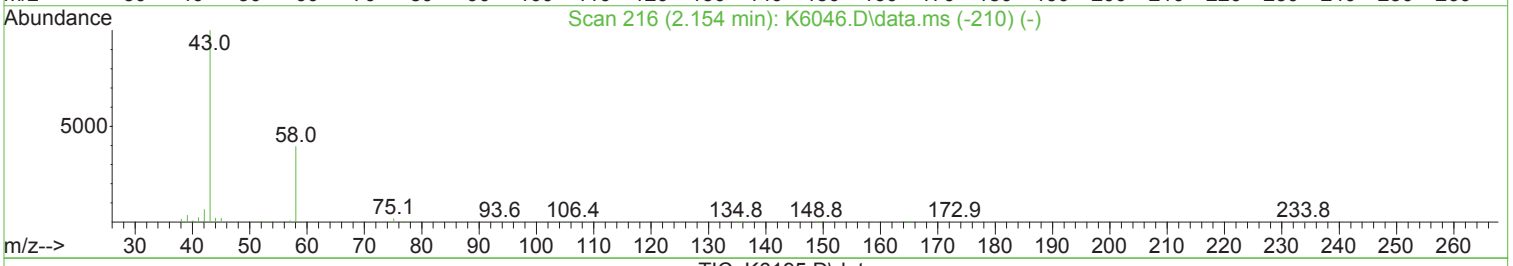
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6195.D\data.ms

(16) Acetone (P)

2.154min (+ 0.000) 16.64 ug/L m

response 26784

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	40.32
42.10	6.60	9.88
0.00	0.00	0.00

Manual Integration:

After

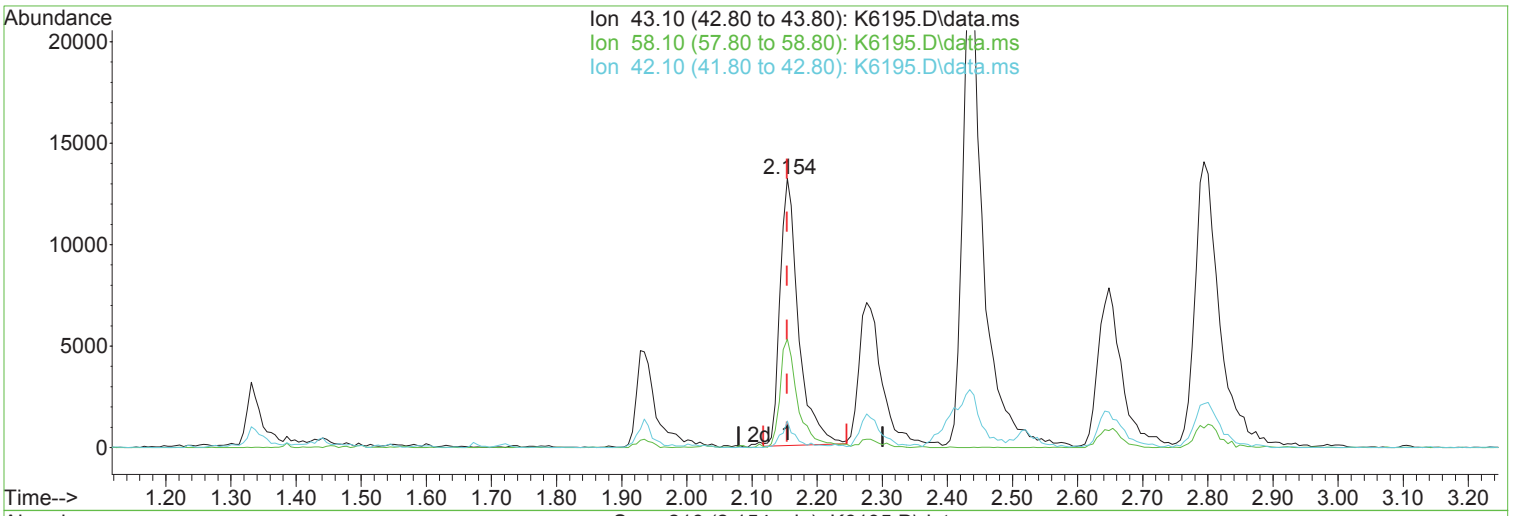
Poor integration.

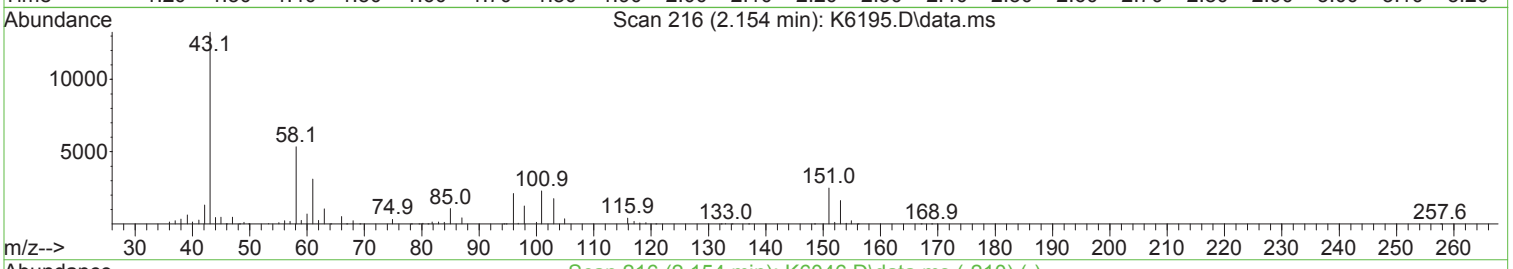
09/23/24

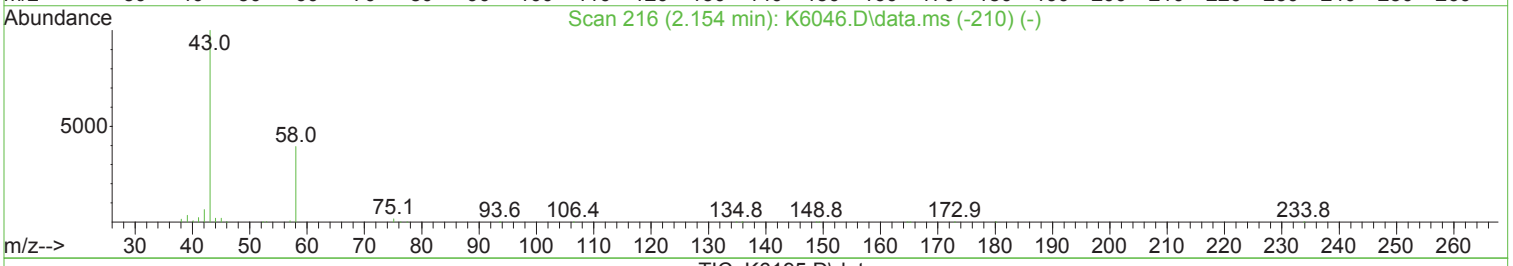
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6195.D\data.ms

(16) Acetone (P)

2.154min (+ 0.000) 16.12 ug/L

response 25948

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	40.32
42.10	6.60	9.88
0.00	0.00	0.00

Manual Integration:

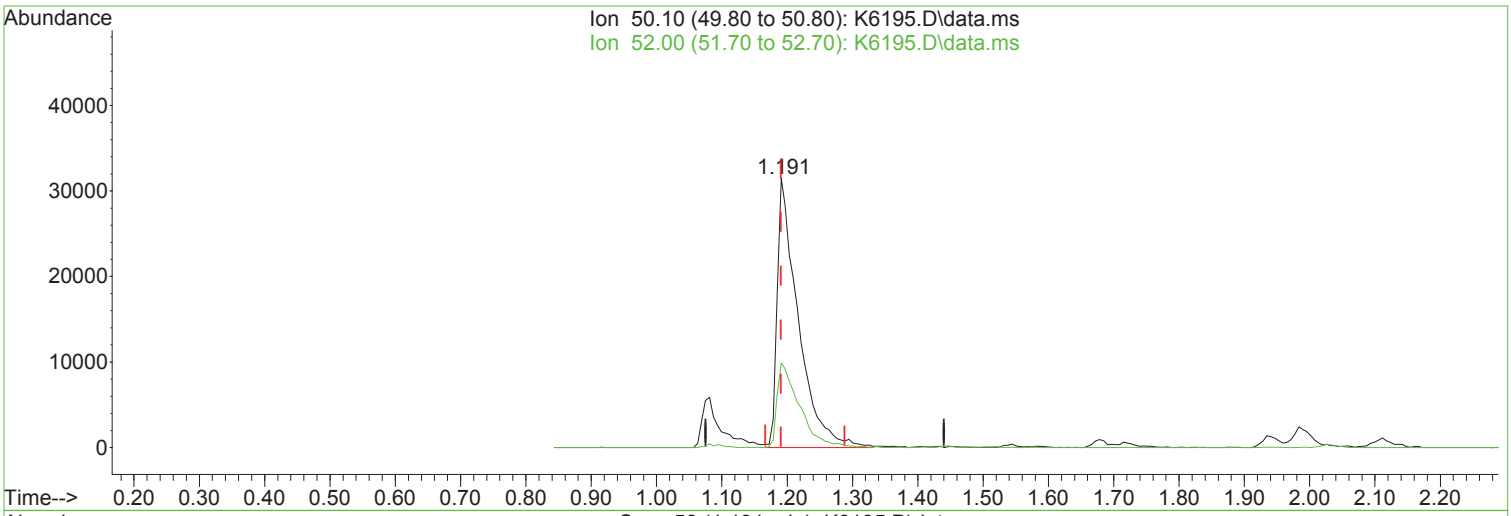
Before

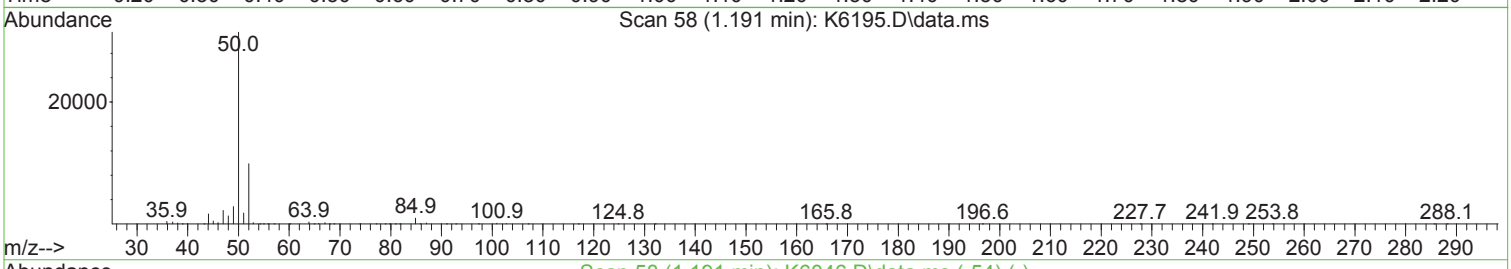
09/23/24

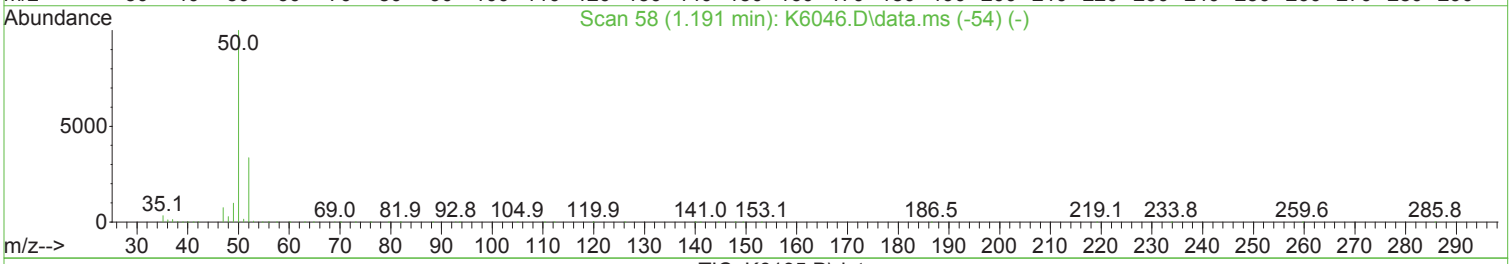
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6195.D\data.ms

(4) Chloromethane (P)

1.191min (+ 0.000) 15.98 ug/L m

response 70308

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	33.20	31.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

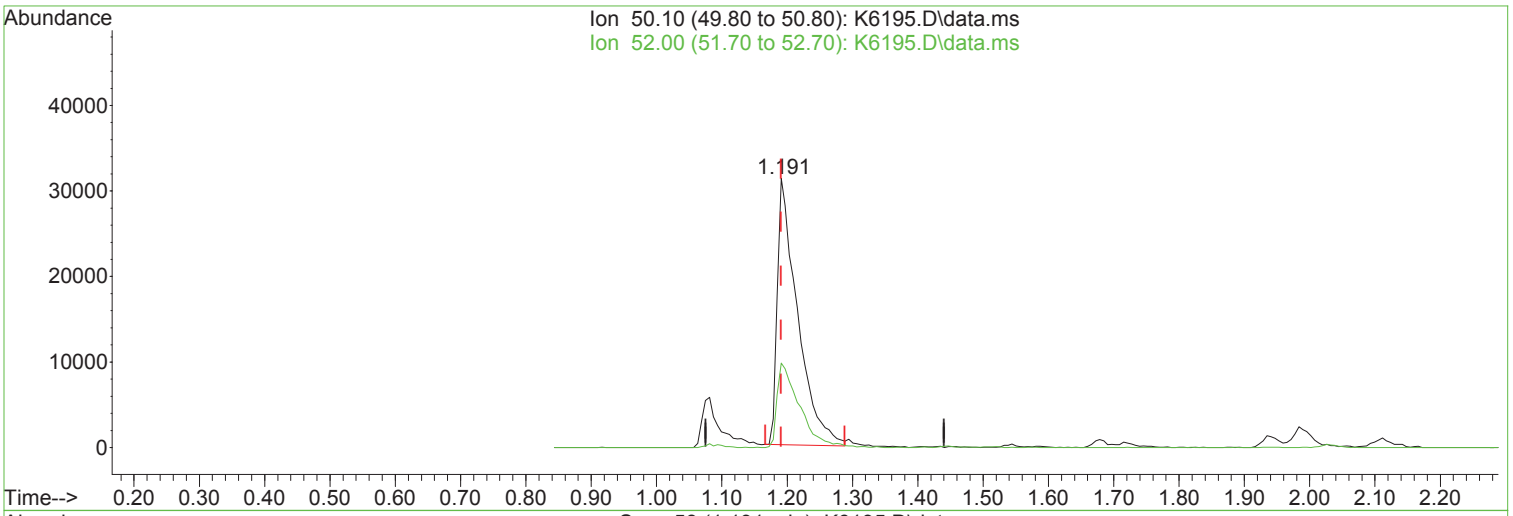
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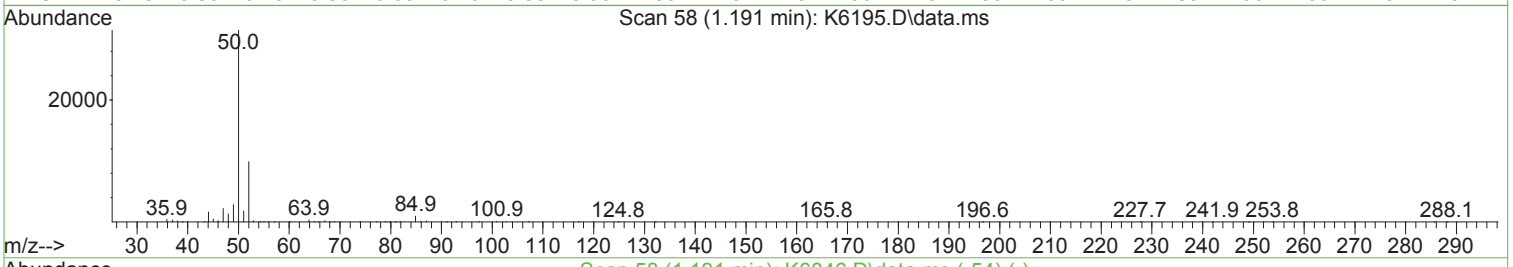
09/23/24

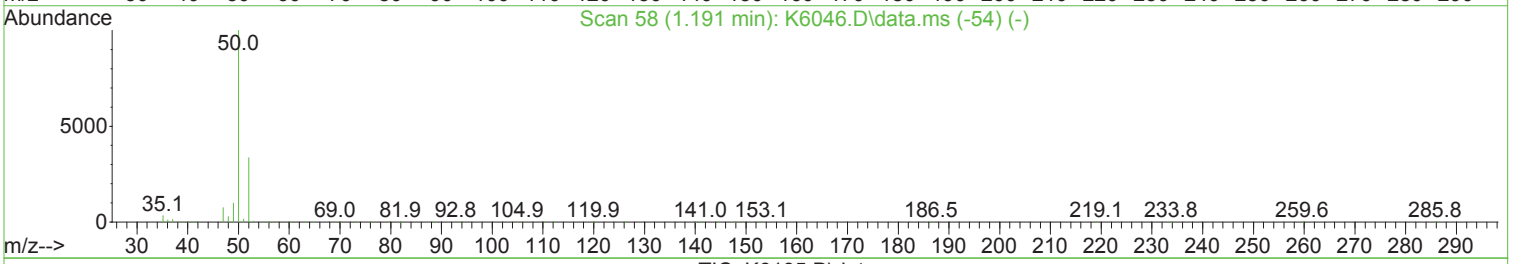
1st 09/23/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6195.D\data.ms

(4) Chloromethane (P)

1.191min (+ 0.000) 15.26 ug/L

response 67133

Ion	Exp%	Act%
50.10	100.00	100.00
52.00	33.20	31.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

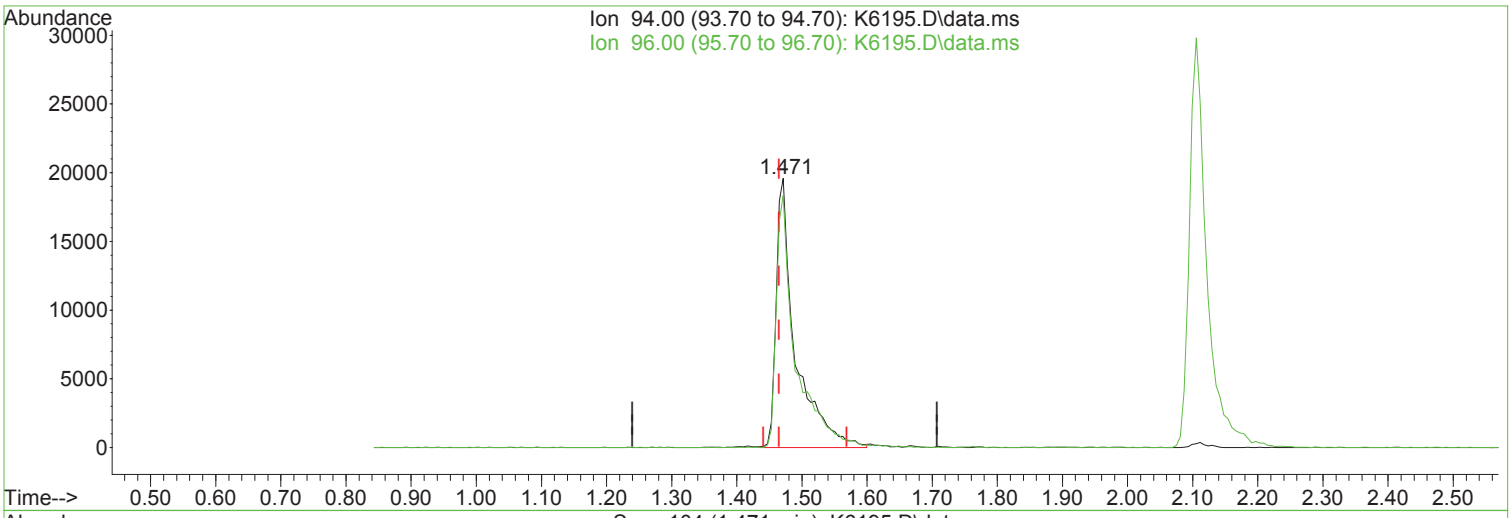
Before

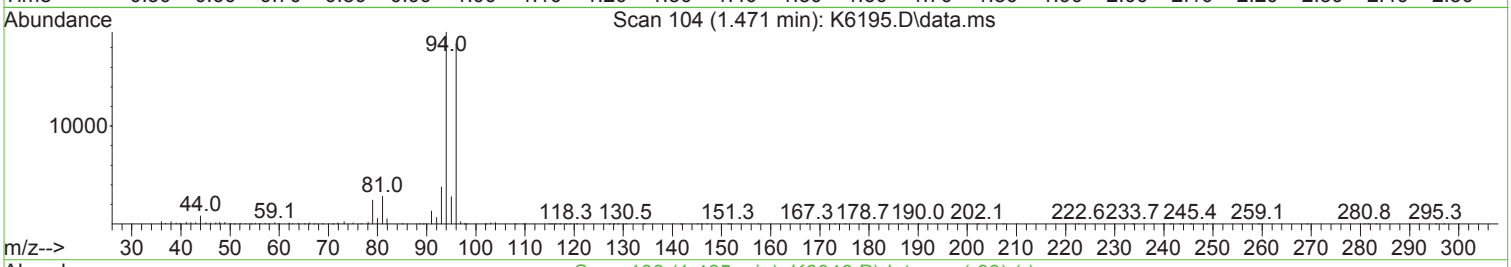
09/23/24

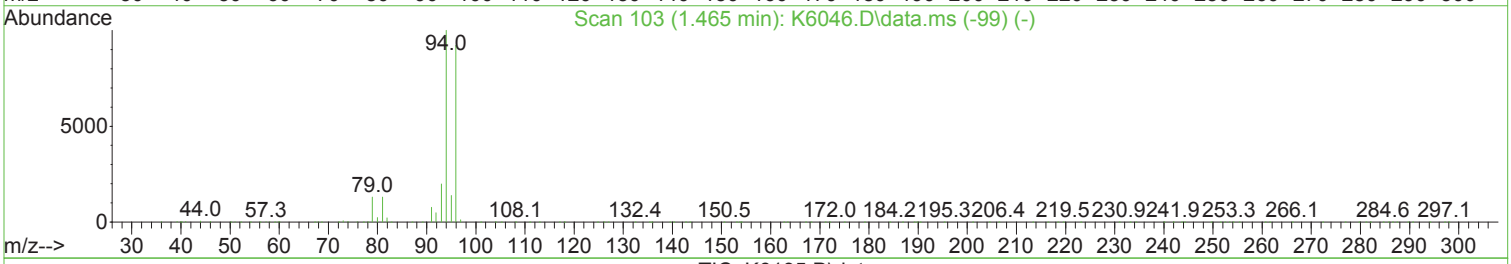
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6195.D\data.ms

(6) Bromomethane (P)

1.471min (+ 0.006) 17.13 ug/L m

response 40128

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	92.30	93.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

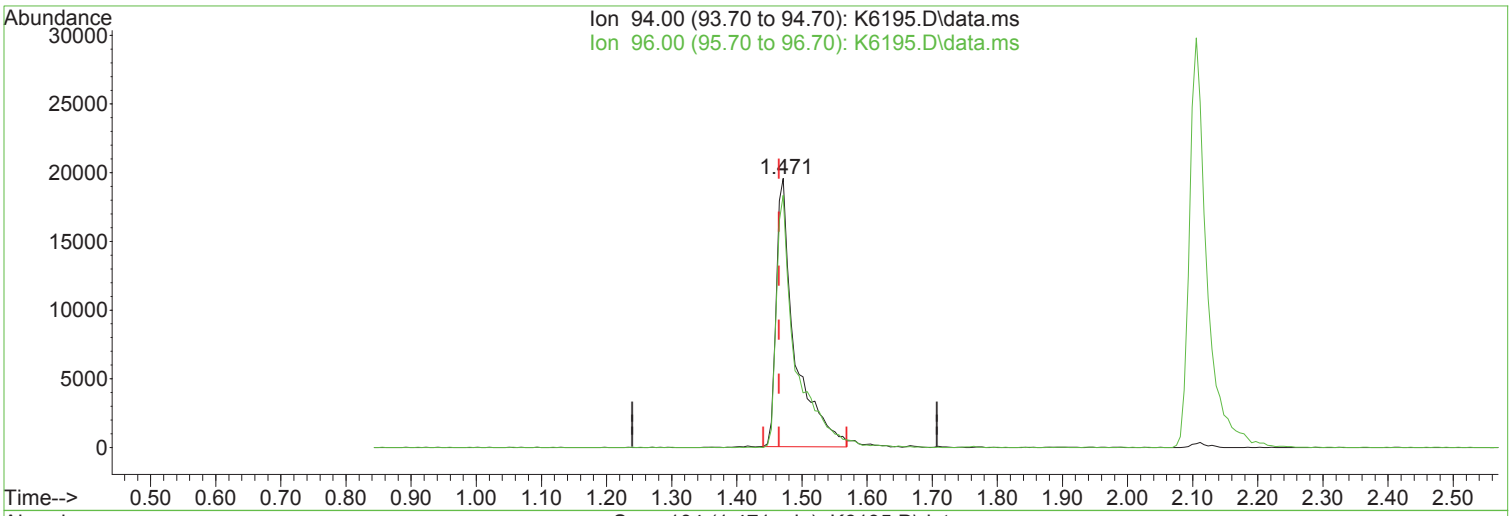
Poor integration.

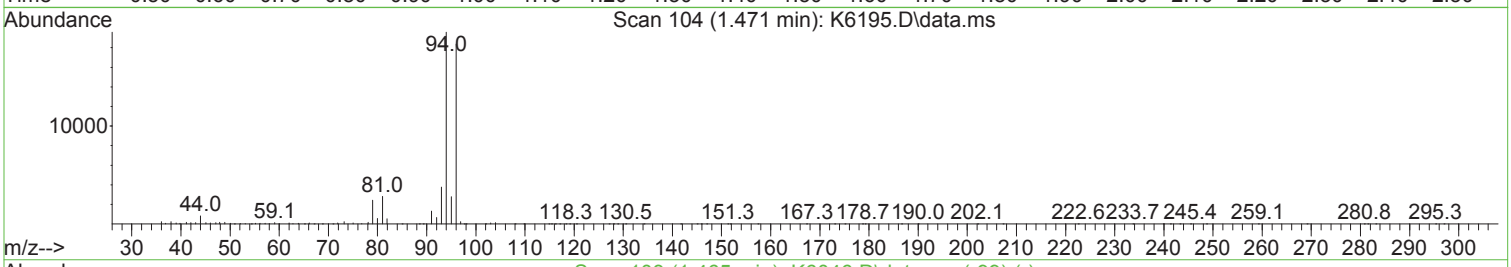
09/23/24

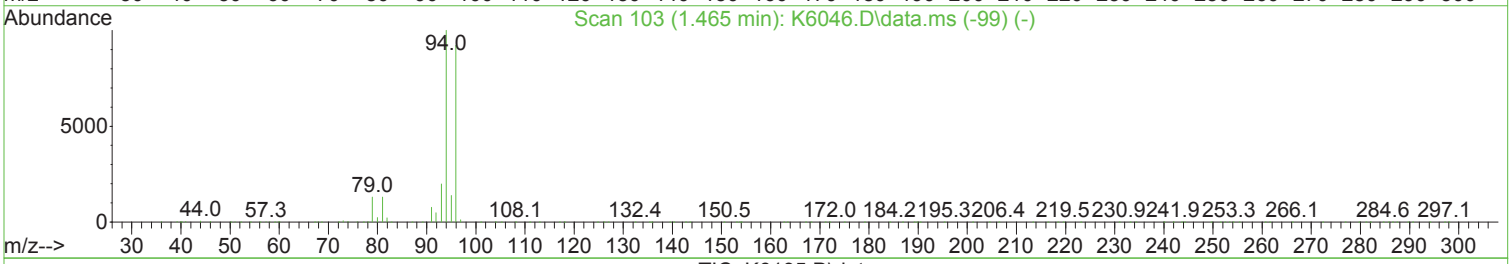
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6195.D\data.ms

(6) Bromomethane (P)

1.471min (+ 0.006) 16.64 ug/L

response 39027

Ion	Exp%	Act%
94.00	100.00	100.00
96.00	92.30	93.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/23/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	417102	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	631458	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	544037	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	287224	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	189831	49.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 99.40%			
47) surr1,1,2-dichloroetha...	5.422	65	209585	48.21	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.42%			
64) SURR3,Toluene-d8	8.049	98	713787	49.92	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.84%			
69) SURR2,BFB	10.659	95	263052	50.79	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.58%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	68516	16.824	ug/L	100
3) Dichlorodifluoromethane	1.075	85	77834	21.635	ug/L	98
4) Chloromethane	1.191	50	70308m	15.985	ug/L	
5) Vinyl Chloride	1.264	62	72357	16.910	ug/L	100
6) Bromomethane	1.471	94	40128m	17.130	ug/L	
7) Chloroethane	1.538	64	36767	14.822	ug/L	97
8) Freon 21	1.679	67	92472	14.852	ug/L	98
9) Trichlorofluoromethane	1.721	101	89032	15.999	ug/L	99
10) Diethyl Ether	1.935	59	60998	16.666	ug/L	96
11) Freon 123a	1.941	67	62085	16.601	ug/L	97
12) Freon 123	1.990	83	95423	19.675	ug/L	96
13) Acrolein	2.032	56	33300	29.833	ug/L	93
14) 1,1-Diclethene	2.105	96	55810	16.436	ug/L	97
15) Freon 113	2.111	101	54783	15.812	ug/L	92
16) Acetone	2.154	43	26784m	16.636	ug/L	
17) 2-Propanol	2.276	45	88488	307.792	ug/L	98
18) Iodomethane	2.227	142	100405	18.970	ug/L	98
19) Carbon Disulfide	2.282	76	148461	17.846	ug/L	99
20) Acetonitrile/Allyl Chl...	2.410	41	118559	98.402	ug/L	92
21) Methyl Acetate	2.435	43	50936	15.976	ug/L	98
22) Methylene Chloride	2.520	84	61352	17.243	ug/L	90
23) TBA	2.648	59	186544	354.447	ug/L	99
24) Acrylonitrile	2.758	53	159315	83.473	ug/L	97
25) Methyl-t-Butyl Ether	2.794	73	183249	17.317	ug/L	94
26) trans-1,2-Dichloroethene	2.788	96	58470	15.931	ug/L	98
27) 1,1-Diclethane	3.245	63	109803	16.637	ug/L	99
28) Vinyl Acetate	3.331	86	12644	15.178	ug/L #	83
29) DIPE	3.361	45	157118	14.166	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.355	53	95995	15.717	ug/L	100
31) ETBE	3.843	59	188433	15.287	ug/L	97
32) 2,2-Dichloropropane	4.007	77	80799	16.540	ug/L	97
33) cis-1,2-Dichloroethene	4.014	96	69047	17.701	ug/L	97
34) 2-Butanone	4.074	43	33878	16.548	ug/L	99
35) Propionitrile	4.154	54	66325	84.581	ug/L	99
36) Bromochloromethane	4.379	130	49448	17.484	ug/L	95
37) Methacrylonitrile	4.391	67	32058	17.809	ug/L	94
38) Tetrahydrofuran	4.483	42	21177	16.529	ug/L	95
39) Chloroform	4.550	83	100869	16.723	ug/L	98
40) 1,1,1-Trichloroethane	4.824	97	89574	16.516	ug/L	98

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.757	73	160426	16.232	ug/L	97
43) Cyclohexane	4.910	41	48237	16.010	ug/L	99
45) Carbontetrachloride	5.129	117	77701	16.618	ug/L	95
46) 1,1-Dichloropropene	5.147	75	70381	15.473	ug/L	99
48) Benzene	5.495	78	225758	16.677	ug/L	97
49) 1,2-Dichloroethane	5.544	62	89647	17.143	ug/L	95
50) Iso-Butyl Alcohol	5.556	43	56799	301.661	ug/L	97
51) n-Heptane	6.025	43	74993	15.517	ug/L	98
52) 1-Butanol	6.586	56	87432	662.784	ug/L	94
53) Trichloroethene	6.507	130	72478	17.068	ug/L	95
54) Methylcyclohexane	6.745	55	89193	16.090	ug/L	94
55) 1,2-Diclpropane	6.806	63	59035	15.292	ug/L	97
56) Dibromomethane	6.952	93	42247	18.358	ug/L	98
57) 1,4-Dioxane	7.037	88	19250	334.138	ug/L	88
58) Methyl Methacrylate	7.056	69	51281	18.504	ug/L	94
59) Bromodichloromethane	7.190	83	76069	18.012	ug/L	98
60) 2-Nitropropane	7.495	41	32914	34.924	ug/L	98
61) 2-Chloroethylvinyl Ether	7.623	63	14373	25.999	ug/L	94
62) cis-1,3-Dichloropropene	7.751	75	95937	18.671	ug/L	98
63) 4-Methyl-2-pentanone	7.976	43	63664	17.051	ug/L	98
65) Toluene	8.123	91	260967	17.205	ug/L	98
66) trans-1,3-Dichloropropene	8.409	75	88613	18.971	ug/L	100
67) Ethyl Methacrylate	8.561	69	90022	18.532	ug/L	95
68) 1,1,2-Trichloroethane	8.598	97	63671	18.034	ug/L	96
71) Tetrachloroethene	8.720	164	54377	16.395	ug/L	96
72) 2-Hexanone	8.909	43	47411	17.075	ug/L	98
73) 1,3-Dichloropropane	8.769	76	98188	17.289	ug/L	96
74) Dibromochloromethane	9.000	129	69874	18.750	ug/L	98
75) N-Butyl Acetate	9.067	43	96415	16.049	ug/L	97
76) 1,2-Dibromoethane	9.092	107	67805	17.910	ug/L	96
77) 3-Chlorobenzotrifluoride	9.628	180	91178	15.387	ug/L	96
78) Chlorobenzene	9.598	112	183635	16.959	ug/L	97
79) 4-Chlorobenzotrifluoride	9.683	180	81154	15.551	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.689	131	69352	18.172	ug/L	99
81) Ethylbenzene	9.720	106	95337	17.161	ug/L	100
82) (m+p)Xylene	9.836	106	237779	34.690	ug/L	99
83) o-Xylene	10.201	106	115116	17.085	ug/L	97
84) Styrene	10.214	104	198282	17.907	ug/L	99
85) Bromoform	10.366	173	44976	20.489	ug/L	97
86) 2-Chlorobenzotrifluoride	10.451	180	87194	15.663	ug/L	99
87) Isopropylbenzene	10.537	105	290044	17.973	ug/L	99
88) Cyclohexanone	10.604	55	350108	371.800	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.860	53	22158	15.935	ug/L	94
91) 1,1,2,2-Tetrachloroethane	10.805	83	87341	17.611	ug/L	95
92) Bromobenzene	10.781	156	83328	18.133	ug/L	95
93) 1,2,3-Trichloropropane	10.835	110	30986	17.804	ug/L	99
94) n-Propylbenzene	10.896	91	334931	16.929	ug/L	98
95) 2-Chlorotoluene	10.957	91	202292	17.231	ug/L	100
96) 3-Chlorotoluene	11.012	91	194979	16.004	ug/L	98
97) 4-Chlorotoluene	11.049	91	239447	17.396	ug/L	98
98) 1,3,5-Trimethylbenzene	11.055	105	256069	17.049	ug/L	100
99) tert-Butylbenzene	11.323	119	225689	16.931	ug/L	98
100) 1,2,4-Trimethylbenzene	11.366	105	256003	17.207	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.433	214	63904	15.146	ug/L	99
102) sec-Butylbenzene	11.506	105	320694	17.060	ug/L	99
103) p-Isopropyltoluene	11.634	119	288090	17.854	ug/L	99

1st 09/23/24
2nd 09/25/24

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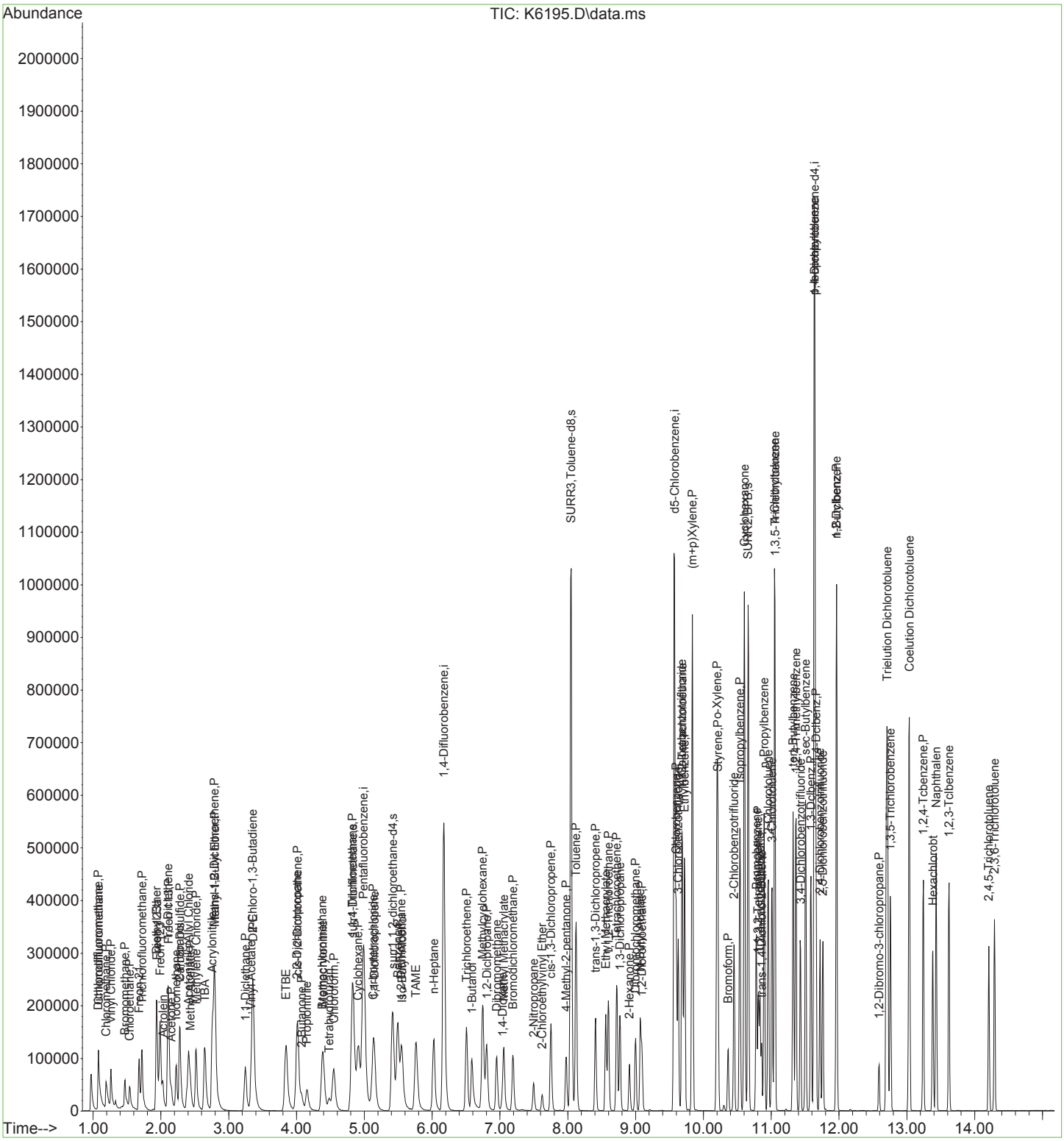
Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	156618	17.579	ug/L	98
105) 1,4-Dclbenz	11.658	146	161605	18.132	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	58198	15.623	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.762	214	63261	15.170	ug/L	98
108) n-Butylbenzene	11.963	91	242178	17.928	ug/L	99
109) 1,2-Dclbenz	11.963	146	151874	17.543	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	20979	19.012	ug/L	97
111) Trielution Dichlorotol...	12.707	125	387200	47.825	ug/L	99
112) 1,3,5-Trichlorobenzene	12.756	180	99951	15.978	ug/L	97
113) Coelution Dichlorotoluene	13.036	125	274027	32.886	ug/L	98
114) 1,2,4-Tcbenzene	13.244	180	106917	18.181	ug/L	97
115) Hexachlorobt	13.384	225	44305	18.077	ug/L	97
116) Naphthalen	13.433	128	309592	19.679	ug/L	98
117) 1,2,3-Tclbenzene	13.622	180	102382	18.508	ug/L	97
118) 2,4,5-Trichlorotoluene	14.207	159	69038	17.093	ug/L	100
119) 2,3,6-Trichlorotoluene	14.292	159	72591	20.219	ug/L	97

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6195.D
Acq On : 23 Sep 2024 11:01 am
Operator : K.Ruest
Sample : LCS-UNP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 12:05:58 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6115.D
Acq On : 20 Sep 2024 11:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 11:45:29 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2		Chlorodifluoromethane	50.000	49.254	1.5	101	0.00
3	P	Dichlorodifluoromethane	50.000	49.390	1.2	98	0.00
4	P	Chloromethane	50.000	46.478	7.0	95	0.00
5	P	Vinyl Chloride	50.000	46.713	6.6	96	0.00
6	P	Bromomethane	50.000	50.016	-0.0	96	0.00
7	P	Chloroethane	50.000	47.290	5.4	95	0.00
8		Freon 21	50.000	49.154	1.7	102	0.00
9	P	Trichlorofluoromethane	50.000	47.647	4.7	99	0.00
10		Diethyl Ether	50.000	47.916	4.2	97	0.00
11		Freon 123a	50.000	46.375	7.2	100	0.00
12		Freon 123	50.000	48.821	2.4	102	0.00
13		Acrolein	250.000	261.515	-4.6	103	0.00
14		1,1-Diclethene	50.000	47.560	4.9	99	0.00
15	P	Freon 113	50.000	47.655	4.7	98	0.00
16	P	Acetone	50.000	51.369	-2.7	102	0.00
17		2-Propanol	1000.000	1079.981	-8.0	103	0.00
18		Iodomethane	50.000	52.746	-5.5	102	0.00
19	P	Carbon Disulfide	50.000	51.668	-3.3	106	0.00
20		Acetonitrile/Allyl Chloride	300.000	288.399	3.9	98	0.00
21	P	Methyl Acetate	50.000	51.270	-2.5	102	0.00
22	P	Methylene Chloride	50.000	49.084	1.8	98	0.00
23		TBA	1000.000	1069.229	-6.9	99	0.00
24		Acrylonitrile	250.000	249.667	0.1	99	0.00
25	P	Methyl-t-Butyl Ether	50.000	48.485	3.0	98	0.00
26	P	trans-1,2-Dichloroethene	50.000	46.708	6.6	99	0.00
27	P	1,1-Diclethane	50.000	47.298	5.4	97	0.00
28		Vinyl Acetate	50.000	52.164	-4.3	102	0.00
29		DIPE	50.000	47.972	4.1	99	0.00
30		2-Chloro-1,3-Butadiene	50.000	50.199	-0.4	104	0.00
31		ETBE	50.000	47.626	4.7	97	0.00
32		2,2-Dichloropropane	50.000	46.855	6.3	95	0.00
33	P	cis-1,2-Dichloroethene	50.000	48.299	3.4	99	0.00
34	P	2-Butanone	50.000	52.697	-5.4	103	0.00
35		Propionitrile	250.000	253.669	-1.5	98	0.00
36		Bromochloromethane	50.000	47.429	5.1	99	0.00
37		Methacrylonitrile	50.000	50.830	-1.7	100	0.00
38		Tetrahydrofuran	50.000	51.117	-2.2	99	0.00
39	P	Chloroform	50.000	48.040	3.9	99	0.00
40	P	1,1,1-Trichloroethane	50.000	47.661	4.7	96	0.00
41		TAME	50.000	48.064	3.9	98	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
43	P	Cyclohexane	50.000	48.361	3.3	100	0.00
44	s	surr4,Dibrflmethane	50.000	50.594	-1.2	95	0.00
45	P	Carbontetrachloride	50.000	46.562	6.9	97	0.00
46		1,1-Dichloropropene	50.000	45.739	8.5	97	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	49.536	0.9	93	0.00
48	P	Benzene	50.000	47.618	4.8	97	0.00
49	P	1,2-Dichloroethane	50.000	48.419	3.2	99	0.00
50		Iso-Butyl Alcohol	1000.000	1071.215	-7.1	98	0.00
51		n-Heptane	50.000	46.080	7.8	94	0.00

1st KR 09/20/24
2nd FJ 09/26/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6115.D
Acq On : 20 Sep 2024 11:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 11:45:29 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	2890.922	-15.6	99	0.00
53	P	Trichloroethene	50.000	47.488	5.0	99	0.00
54	P	Methylcyclohexane	50.000	48.984	2.0	101	0.00
55	P	1,2-Diclpropane	50.000	47.863	4.3	98	0.00
56		Dibromomethane	50.000	49.226	1.5	98	0.00
57		1,4-Dioxane	1000.000	1047.738	-4.8	100	0.00
58		Methyl Methacrylate	50.000	50.690	-1.4	97	0.00
59	P	Bromodichloromethane	50.000	49.970	0.1	97	0.00
60		2-Nitropropane	100.000	100.744	-0.7	91	0.00
61		2-Chloroethylvinyl Ether	50.000	23.887	52.2#	40	0.00
62	P	cis-1,3-Dichloropropene	50.000	50.329	-0.7	96	0.00
63	P	4-Methyl-2-pentanone	50.000	53.330	-6.7	103	0.00
64	s	SURR3,Toluene-d8	50.000	50.618	-1.2	96	0.00
65	P	Toluene	50.000	47.520	5.0	98	0.00
66	P	trans-1,3-Dichloropropene	50.000	50.272	-0.5	95	0.00
67		Ethyl Methacrylate	50.000	52.234	-4.5	96	0.00
68	P	1,1,2-Trichloroethane	50.000	48.627	2.7	97	0.00
69	s	SURR2,BFB	50.000	51.368	-2.7	97	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	99	0.00
71	P	Tetrachloroethene	50.000	45.341	9.3	98	0.00
72	P	2-Hexanone	50.000	52.930	-5.9	101	0.00
73		1,3-Dichloropropane	50.000	47.026	5.9	97	0.00
74	P	Dibromochloromethane	50.000	51.116	-2.2	96	0.00
75		N-Butyl Acetate	50.000	51.889	-3.8	100	0.00
76	P	1,2-Dibromoethane	50.000	48.822	2.4	98	0.00
77		3-Chlorobenzotrifluoride	50.000	47.188	5.6	102	0.00
78	P	Chlorobenzene	50.000	45.853	8.3	98	0.00
79		4-Chlorobenzotrifluoride	50.000	47.589	4.8	100	0.00
80		1,1,1,2-Tetrachloroethane	50.000	49.585	0.8	97	0.00
81	P	Ethylbenzene	50.000	46.209	7.6	97	0.00
82	P	(m+p)Xylene	100.000	93.202	6.8	97	0.00
83	P	o-Xylene	50.000	46.619	6.8	98	0.00
84	P	Styrene	50.000	48.861	2.3	97	0.00
85	P	Bromoform	50.000	54.071	-8.1	97	0.00
86		2-Chlorobenzotrifluoride	50.000	47.096	5.8	99	0.00
87	P	Isopropylbenzene	50.000	46.817	6.4	97	0.00
88		Cyclohexanone	1000.000	923.778	7.6	86	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	52.283	-4.6	96	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	46.877	6.2	97	0.00
92		Bromobenzene	50.000	46.314	7.4	97	0.00
93		1,2,3-Trichloropropane	50.000	45.521	9.0	98	0.00
94		n-Propylbenzene	50.000	45.800	8.4	96	0.00
95		2-Chlorotoluene	50.000	45.790	8.4	97	0.00
96		3-Chlorotoluene	50.000	46.699	6.6	99	0.00
97		4-Chlorotoluene	50.000	45.505	9.0	96	0.00
98		1,3,5-Trimethylbenzene	50.000	45.664	8.7	98	0.00
99		tert-Butylbenzene	50.000	45.060	9.9	97	0.00
100		1,2,4-Trimethylbenzene	50.000	45.735	8.5	97	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	45.417	9.2	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6115.D
Acq On : 20 Sep 2024 11:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 11:45:29 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	45.594	8.8	96	0.00
103		p-Isopropyltoluene	50.000	46.494	7.0	96	0.00
104	P	1,3-Dclbenz	50.000	45.661	8.7	98	0.00
105	P	1,4-Dclbenz	50.000	45.579	8.8	96	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	46.586	6.8	100	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	44.833	10.3	97	0.00
108		n-Butylbenzene	50.000	46.069	7.9	95	0.00
109	P	1,2-Dclbenz	50.000	45.925	8.2	98	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	55.964	-11.9	100	0.00
111		Trielution Dichlorotoluene	150.000	141.857	5.4	100	0.00
112		1,3,5-Trichlorobenzene	50.000	47.196	5.6	99	0.00
113		Coelution Dichlorotoluene	100.000	97.291	2.7	100	0.00
114	P	1,2,4-Tcbenzene	50.000	46.823	6.4	96	0.00
115		Hexachlorobt	50.000	45.653	8.7	93	0.00
116		Naphthalen	50.000	52.403	-4.8	99	0.00
117		1,2,3-Tclbenzene	50.000	47.759	4.5	97	0.00
118		2,4,5-Trichlorotoluene	50.000	51.761	-3.5	97	0.00
119		2,3,6-Trichlorotoluene	50.000	50.903	-1.8	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1st 09/20/24
2nd 09/26/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6115.D
Acq On : 20 Sep 2024 11:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 11:45:29 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	424846	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.172	114	642201	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.573	117	558058	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	296492	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	196521	50.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.18%			
47) surr1,1,2-dichloroetha...	5.416	65	219012	49.54	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.08%			
64) SURR3,Toluene-d8	8.043	98	736122	50.62	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.24%			
69) SURR2,BFB	10.659	95	270555	51.37	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.74%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	204313	49.254	ug/L	99
3) Dichlorodifluoromethane	1.075	85	180982	49.390	ug/L	98
4) Chloromethane	1.191	50	208229	46.478	ug/L	99
5) Vinyl Chloride	1.264	62	203592	46.713	ug/L	97
6) Bromomethane	1.465	94	110945	50.016	ug/L	100
7) Chloroethane	1.538	64	118058	47.290	ug/L	98
8) Freon 21	1.679	67	311735	49.154	ug/L	98
9) Trichlorofluoromethane	1.715	101	270070	47.647	ug/L	99
10) Diethyl Ether	1.935	59	178626	47.916	ug/L	98
11) Freon 123a	1.941	67	176654	46.375	ug/L	99
12) Freon 123	1.989	83	241179	48.821	ug/L	97
13) Acrolein	2.026	56	297323	261.515	ug/L	100
14) 1,1-Diclethene	2.105	96	164492	47.560	ug/L	96
15) Freon 113	2.111	101	168172	47.655	ug/L	99
16) Acetone	2.154	43	84242	51.369	ug/L	95
17) 2-Propanol	2.276	45	316252	1079.981	ug/L	97
18) Iodomethane	2.227	142	284352	52.746	ug/L	97
19) Carbon Disulfide	2.276	76	437820	51.668	ug/L	99
20) Acetonitrile/Allyl Chl...	2.410	41	353928	288.399	ug/L	98
21) Methyl Acetate	2.434	43	166502	51.270	ug/L	100
22) Methylene Chloride	2.520	84	174850	49.084	ug/L	92
23) TBA	2.648	59	573179	1069.229	ug/L	98
24) Acrylonitrile	2.758	53	485359	249.667	ug/L	96
25) Methyl-t-Butyl Ether	2.794	73	522585	48.485	ug/L	99
26) trans-1,2-Dichloroethene	2.782	96	174611	46.708	ug/L	99
27) 1,1-Diclethane	3.245	63	317948	47.298	ug/L	99
28) Vinyl Acetate	3.331	86	44263	52.164	ug/L	98
29) DIPE	3.361	45	541946	47.972	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.355	53	312303	50.199	ug/L	96
31) ETBE	3.849	59	597933	47.626	ug/L	98
32) 2,2-Dichloropropane	4.007	77	233146	46.855	ug/L	95
33) cis-1,2-Dichloroethene	4.013	96	191895	48.299	ug/L	97
34) 2-Butanone	4.074	43	109888	52.697	ug/L	99
35) Propionitrile	4.154	54	202609	253.669	ug/L	97
36) Bromochloromethane	4.379	130	136628	47.429	ug/L	95
37) Methacrylonitrile	4.398	67	93199	50.830	ug/L	95
38) Tetrahydrofuran	4.477	42	66708	51.117	ug/L	99
39) Chloroform	4.550	83	295144	48.040	ug/L	99
40) 1,1,1-Trichloroethane	4.824	97	263281	47.661	ug/L	97

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6115.D
Acq On : 20 Sep 2024 11:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 11:45:29 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.763	73	483850	48.064	ug/L	99
43) Cyclohexane	4.910	41	148184	48.361	ug/L	98
45) Carbontetrachloride	5.129	117	221406	46.562	ug/L	96
46) 1,1-Dichloropropene	5.141	75	211587	45.739	ug/L	99
48) Benzene	5.495	78	655578	47.618	ug/L	99
49) 1,2-Dichloroethane	5.544	62	257515	48.419	ug/L	97
50) Iso-Butyl Alcohol	5.556	43	205128	1071.215	ug/L	96
51) n-Heptane	6.019	43	226488	46.080	ug/L	97
52) 1-Butanol	6.580	56	387848	2890.922	ug/L	98
53) Trichloroethene	6.507	130	205083	47.488	ug/L	98
54) Methylcyclohexane	6.745	55	276150	48.984	ug/L	98
55) 1,2-Diclpropane	6.806	63	187916	47.863	ug/L	100
56) Dibromomethane	6.952	93	115213	49.226	ug/L	98
57) 1,4-Dioxane	7.031	88	61388	1047.738	ug/L	98
58) Methyl Methacrylate	7.056	69	142867	50.690	ug/L	97
59) Bromodichloromethane	7.190	83	214623	49.970	ug/L	98
60) 2-Nitropropane	7.495	41	96561	100.744	ug/L	98
61) 2-Chloroethylvinyl Ether	7.623	63	13430	23.887	ug/L	94
62) cis-1,3-Dichloropropene	7.751	75	263010	50.329	ug/L	98
63) 4-Methyl-2-pentanone	7.970	43	202508	53.330	ug/L	98
65) Toluene	8.123	91	733053	47.520	ug/L	99
66) trans-1,3-Dichloropropene	8.409	75	238818	50.272	ug/L	98
67) Ethyl Methacrylate	8.561	69	258055	52.234	ug/L	99
68) 1,1,2-Trichloroethane	8.598	97	174600	48.627	ug/L	96
71) Tetrachloroethene	8.720	164	154257	45.341	ug/L	99
72) 2-Hexanone	8.909	43	150758	52.930	ug/L	98
73) 1,3-Dichloropropane	8.769	76	273951	47.026	ug/L	99
74) Dibromochloromethane	9.000	129	195404	51.116	ug/L	98
75) N-Butyl Acetate	9.067	43	319760	51.889	ug/L	99
76) 1,2-Dibromoethane	9.092	107	189601	48.822	ug/L	99
77) 3-Chlorobenzotrifluoride	9.628	180	286824	47.188	ug/L	99
78) Chlorobenzene	9.598	112	509298	45.853	ug/L	99
79) 4-Chlorobenzotrifluoride	9.683	180	254743	47.589	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.689	131	194110	49.585	ug/L	99
81) Ethylbenzene	9.720	106	263331	46.209	ug/L	99
82) (m+p)Xylene	9.836	106	655299	93.202	ug/L	98
83) o-Xylene	10.195	106	322211	46.619	ug/L	98
84) Styrene	10.214	104	554959	48.861	ug/L	98
85) Bromoform	10.366	173	121750	54.071	ug/L	96
86) 2-Chlorobenzotrifluoride	10.451	180	268933	47.096	ug/L	97
87) Isopropylbenzene	10.537	105	774990	46.817	ug/L	98
88) Cyclohexanone	10.604	55	892301	923.778	ug/L	98
89) trans-1,4-Dichloro-2-B...	10.860	53	74573	52.283	ug/L	100
91) 1,1,2,2-Tetrachloroethane	10.811	83	239984	46.877	ug/L	100
92) Bromobenzene	10.781	156	219694	46.314	ug/L	99
93) 1,2,3-Trichloropropane	10.835	110	81779	45.521	ug/L	99
94) n-Propylbenzene	10.896	91	935369	45.800	ug/L	99
95) 2-Chlorotoluene	10.957	91	554930	45.790	ug/L	99
96) 3-Chlorotoluene	11.012	91	587307	46.699	ug/L	99
97) 4-Chlorotoluene	11.049	91	646575	45.505	ug/L	98
98) 1,3,5-Trimethylbenzene	11.055	105	707972	45.664	ug/L	99
99) tert-Butylbenzene	11.323	119	620009	45.060	ug/L	100
100) 1,2,4-Trimethylbenzene	11.366	105	702413	45.735	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.433	214	197808	45.417	ug/L	98
102) sec-Butylbenzene	11.506	105	884722	45.594	ug/L	100
103) p-Isopropyltoluene	11.634	119	774437	46.494	ug/L	98

1st 09/20/24
2nd 09/26/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6115.D
Acq On : 20 Sep 2024 11:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

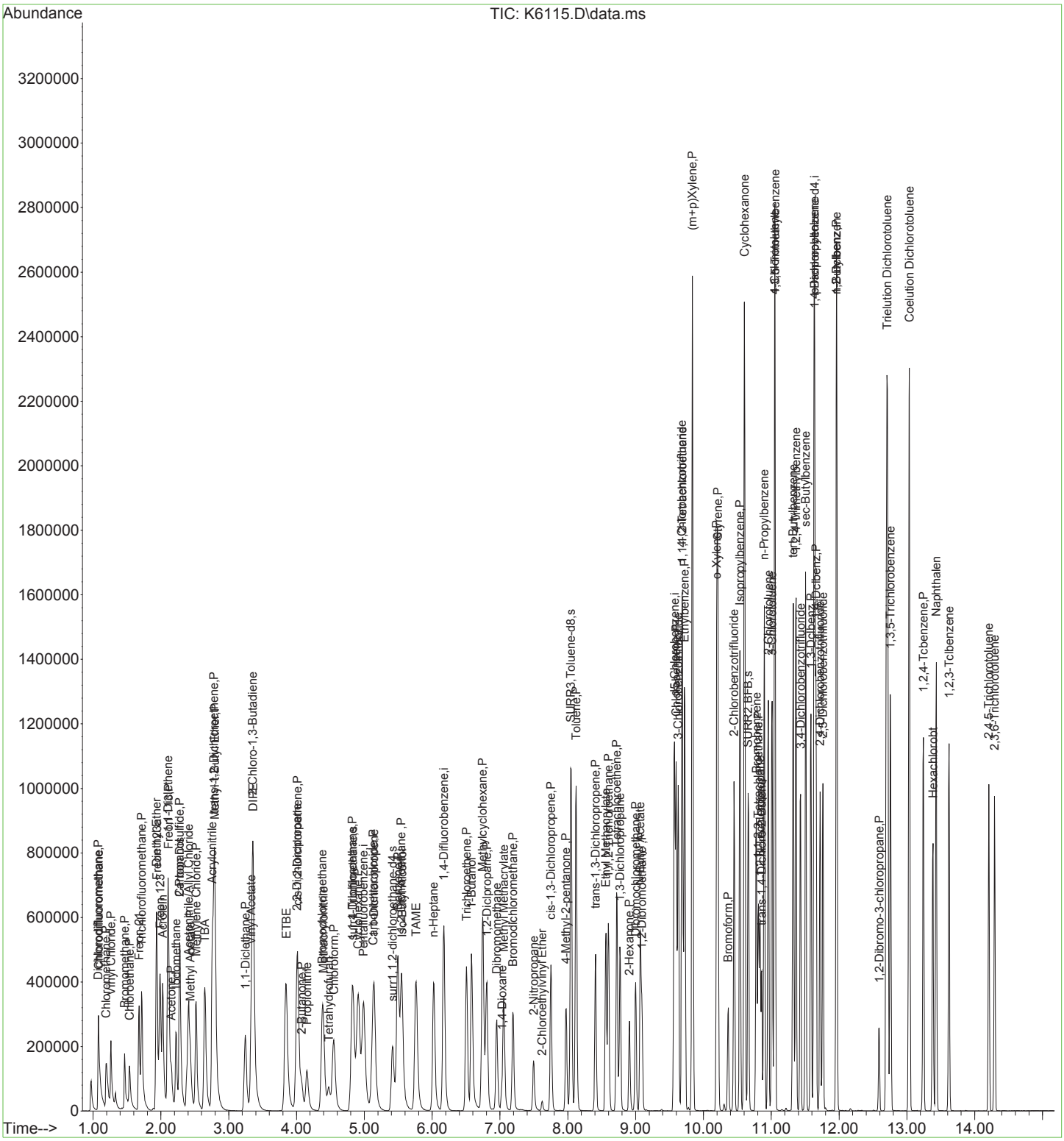
Quant Time: Sep 20 11:45:29 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	419933	45.661	ug/L	98
105) 1,4-Dclbenz	11.658	146	419324	45.579	ug/L	100
106) 2,4-Dichlorobenzotrifl...	11.719	214	179137	46.586	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.762	214	192987	44.833	ug/L	99
108) n-Butylbenzene	11.963	91	642376	46.069	ug/L	98
109) 1,2-Dclbenz	11.963	146	410419	45.925	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.591	157	63745	55.964	ug/L	98
111) Trielution Dichlorotol...	12.707	125	1185560	141.857	ug/L	100
112) 1,3,5-Trichlorobenzene	12.756	180	304768	47.196	ug/L	98
113) Coelution Dichlorotoluene	13.036	125	836847	97.291	ug/L	99
114) 1,2,4-Tcbenzene	13.244	180	284239	46.823	ug/L	98
115) Hexachlorobt	13.384	225	115500	45.653	ug/L	97
116) Naphthalen	13.433	128	850995	52.403	ug/L	99
117) 1,2,3-Tclbenzene	13.622	180	272725	47.759	ug/L	99
118) 2,4,5-Trichlorotoluene	14.207	159	215812	51.761	ug/L	98
119) 2,3,6-Trichlorotoluene	14.292	159	188652	50.903	ug/L	97

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092024\
Data File : K6115.D
Acq On : 20 Sep 2024 11:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

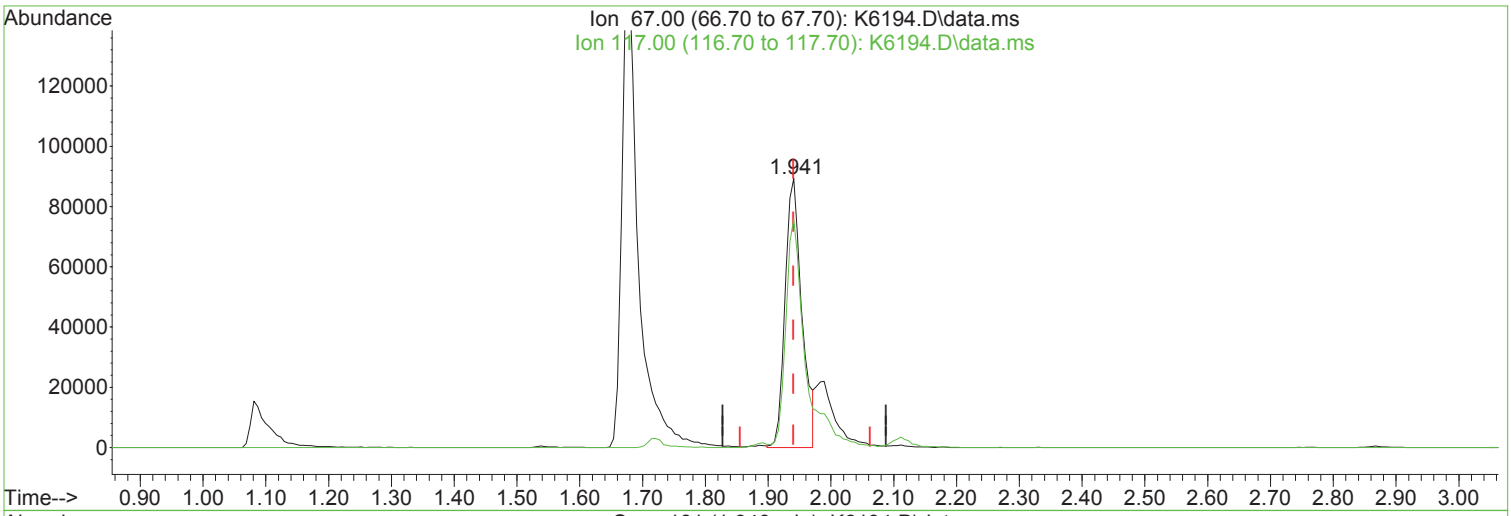
Quant Time: Sep 20 11:45:29 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

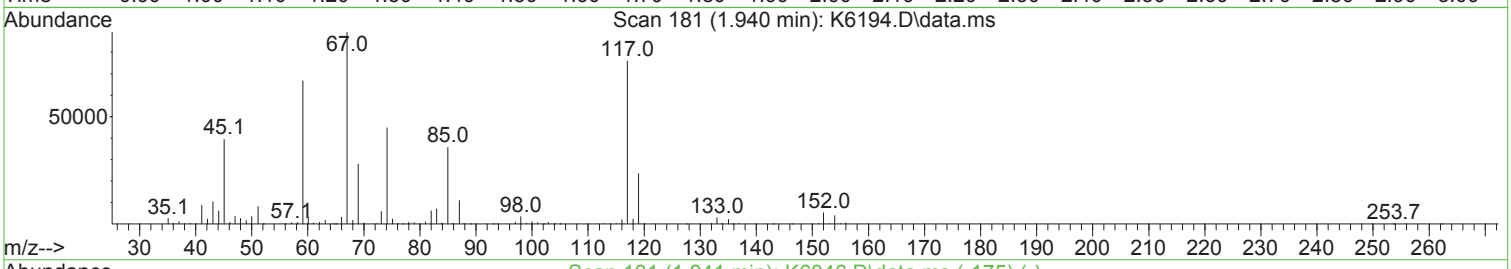


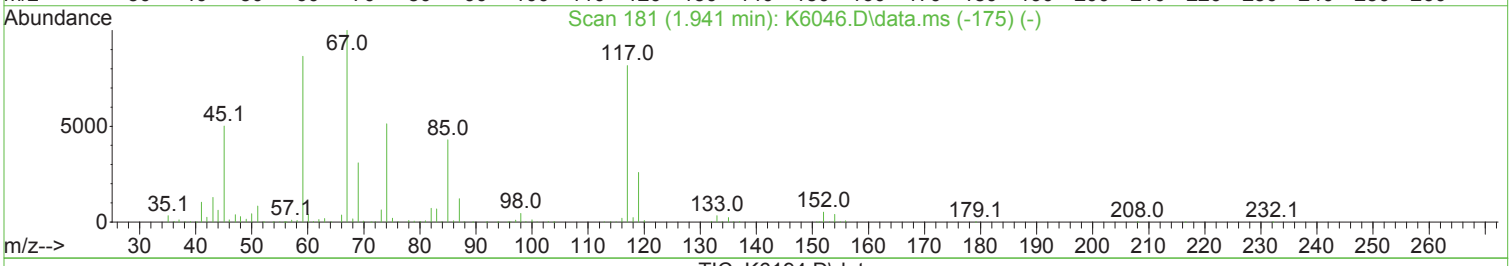
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6194.D\data.ms

(11) Freon 123a

1.940min (-0.000) 46.05 ug/L m

response 167894

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	82.20	84.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

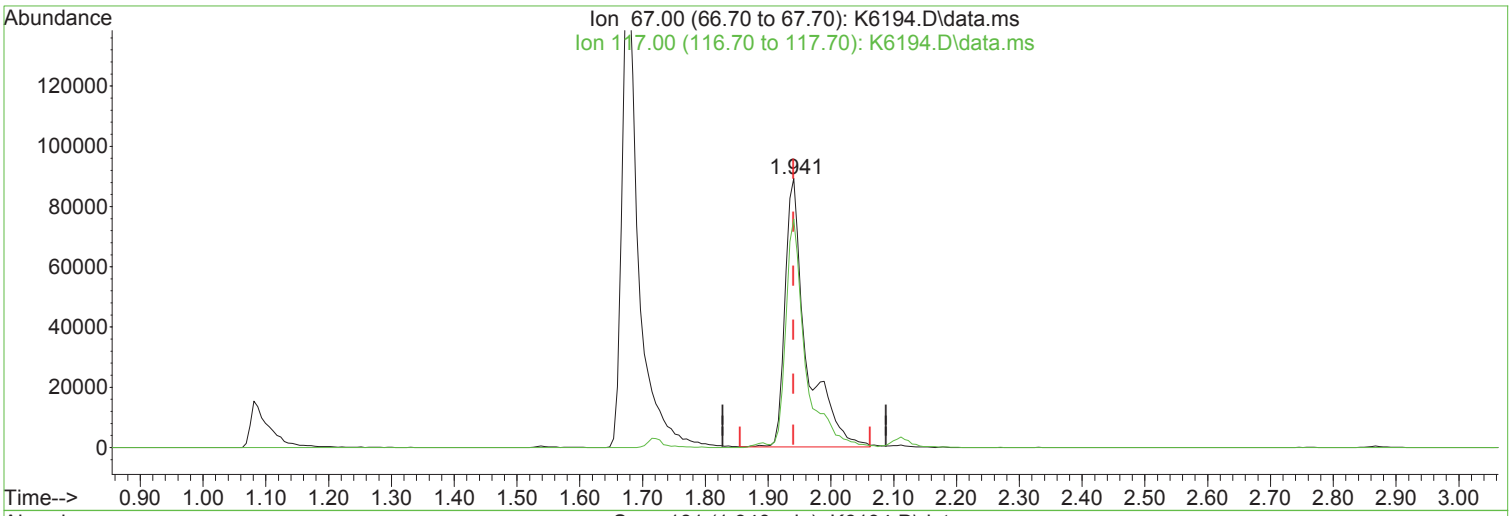
Poor integration.

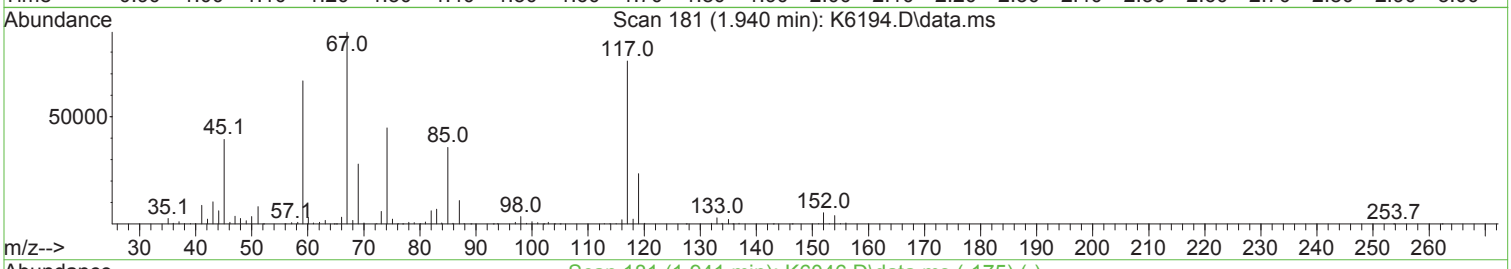
09/23/24

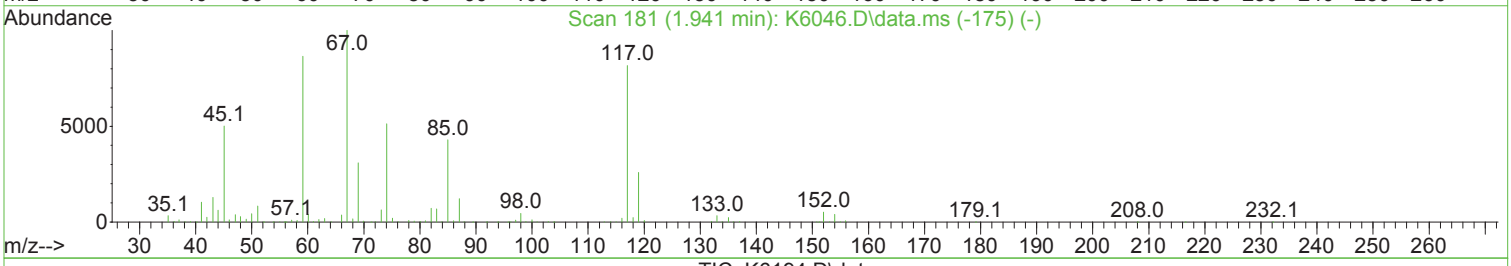
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6194.D\data.ms

(11) Freon 123a

1.940min (-0.000) 58.48 ug/L

response 213191

Ion	Exp%	Act%
67.00	100.00	100.00
117.00	82.20	84.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

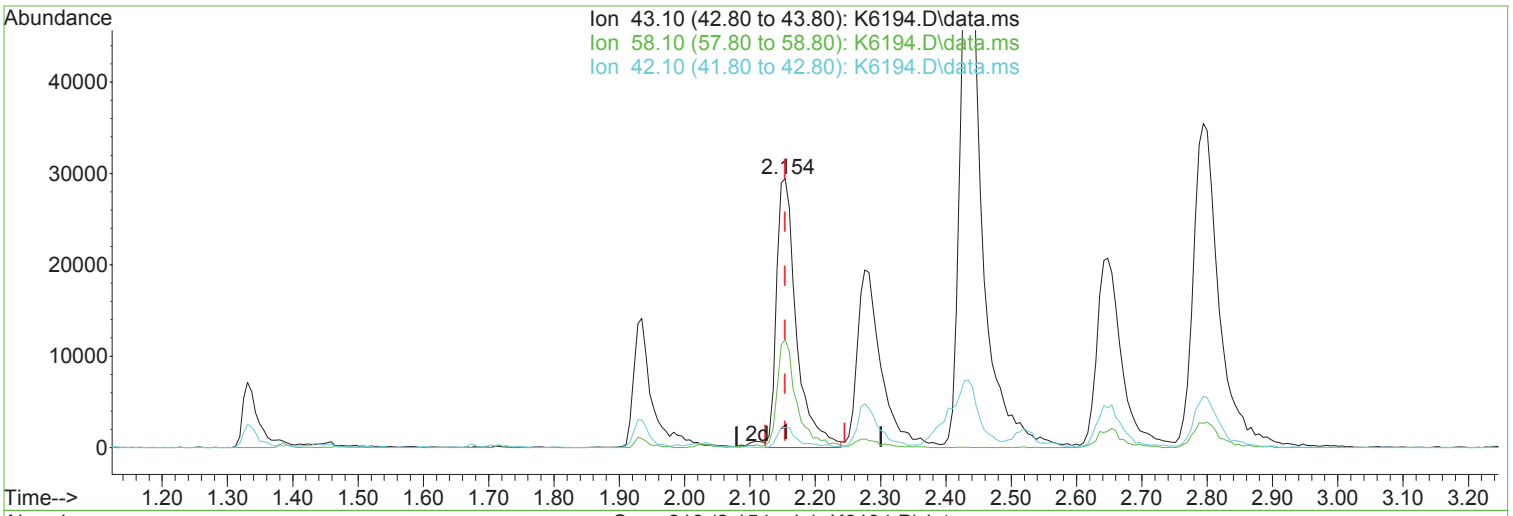
Before

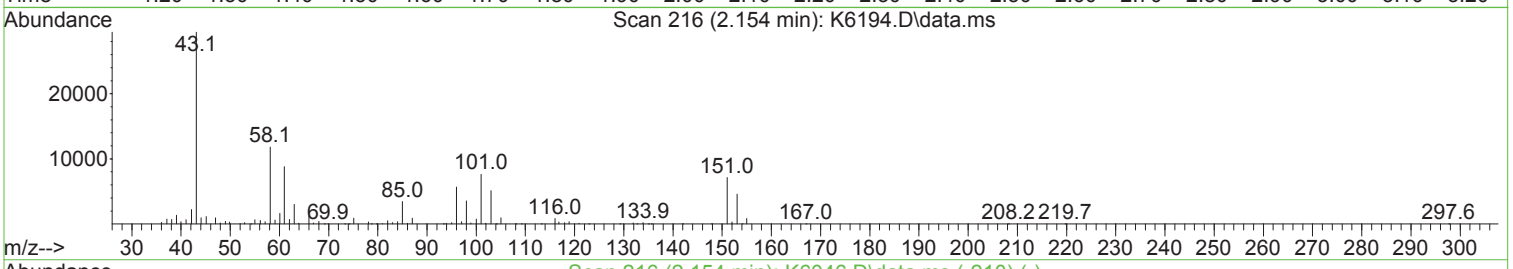
09/23/24

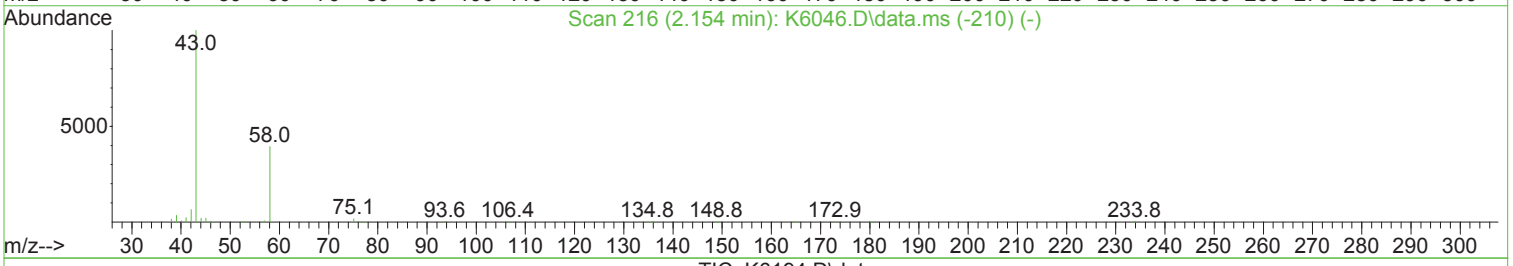
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6194.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 39.53 ug/L m

response 62043

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	40.09
42.10	6.60	7.47
0.00	0.00	0.00

Manual Integration:

After

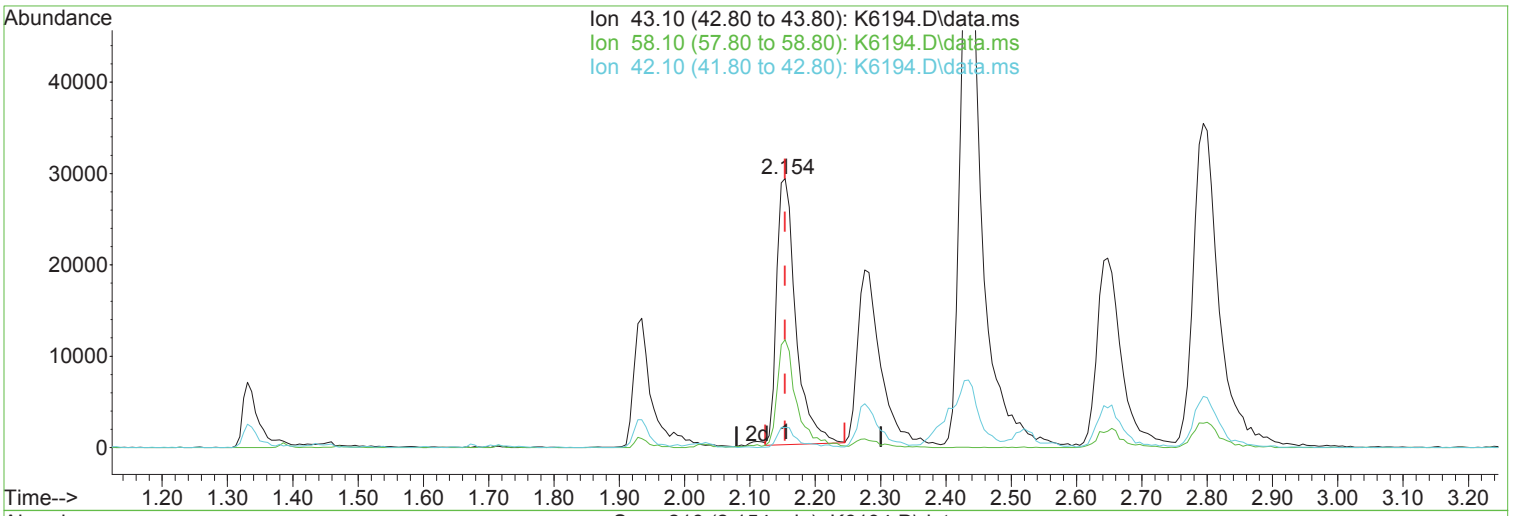
Poor integration.

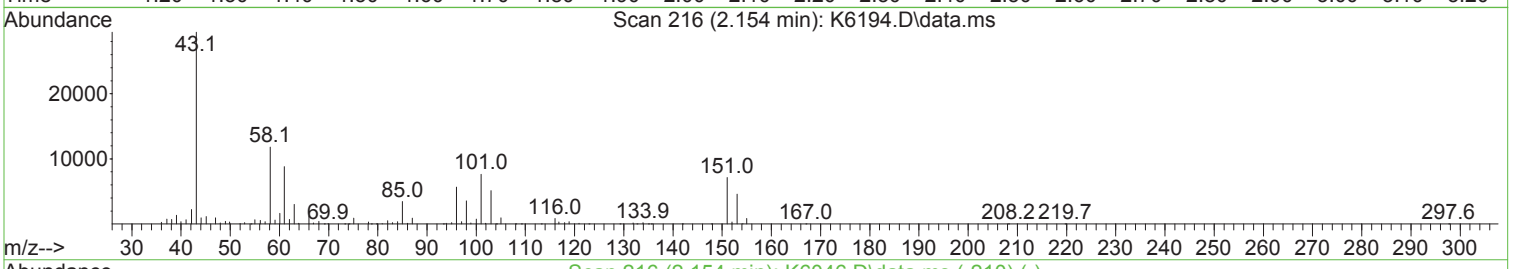
09/23/24

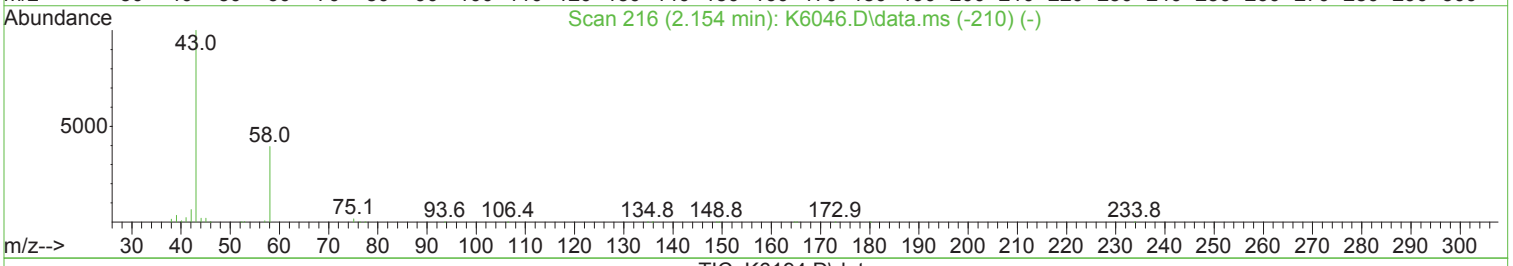
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration







TIC: K6194.D\data.ms

(16) Acetone (P)

2.154min (-0.000) 37.85 ug/L

response 59411

Ion	Exp%	Act%
43.10	100.00	100.00
58.10	39.60	40.09
42.10	6.60	7.47
0.00	0.00	0.00

Manual Integration:

Before

09/23/24

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	97	0.00
2		Chlorodifluoromethane	50.000	45.699	8.6	89	0.00
3	P	Dichlorodifluoromethane	50.000	50.343	-0.7	95	0.00
4	P	Chloromethane	50.000	45.026	9.9	88	0.00
5	P	Vinyl Chloride	50.000	46.671	6.7	91	0.00
6	P	Bromomethane	50.000	51.400	-2.8	94	0.00
7	P	Chloroethane	50.000	48.006	4.0	93	0.00
8		Freon 21	50.000	47.919	4.2	95	0.00
9	P	Trichlorofluoromethane	50.000	48.695	2.6	97	0.00
10		Diethyl Ether	50.000	45.361	9.3	88	0.00
11		Freon 123a	50.000	46.054	7.9	95	0.00
12		Freon 123	50.000	47.992	4.0	96	0.00
13		Acrolein	250.000	241.280	3.5	91	0.00
14		1,1-Diclethene	50.000	48.201	3.6	96	0.00
15	P	Freon 113	50.000	48.893	2.2	96	0.00
16	P	Acetone	50.000	39.531	20.9#	75	0.00
17		2-Propanol	1000.000	914.463	8.6	83	0.00
18		Iodomethane	50.000	55.017	-10.0	102	0.00
19	P	Carbon Disulfide	50.000	51.569	-3.1	101	0.00
20		Acetonitrile/Allyl Chloride	300.000	271.955	9.3	89	0.00
21	P	Methyl Acetate	50.000	44.693	10.6	85	0.00
22	P	Methylene Chloride	50.000	48.851	2.3	93	0.00
23		TBA	1000.000	959.642	4.0	85	0.00
24		Acrylonitrile	250.000	227.410	9.0	86	0.00
25	P	Methyl-t-Butyl Ether	50.000	47.979	4.0	93	0.00
26	P	trans-1,2-Dichloroethene	50.000	47.205	5.6	96	0.00
27	P	1,1-Diclethane	50.000	46.458	7.1	91	0.00
28		Vinyl Acetate	50.000	53.870	-7.7	101	0.00
29		DIPE	50.000	44.866	10.3	89	0.00
30		2-Chloro-1,3-Butadiene	50.000	47.837	4.3	95	0.00
31		ETBE	50.000	46.808	6.4	91	0.00
32		2,2-Dichloropropane	50.000	48.743	2.5	94	0.00
33	P	cis-1,2-Dichloroethene	50.000	49.735	0.5	97	0.00
34	P	2-Butanone	50.000	43.384	13.2	81	0.00
35		Propionitrile	250.000	229.950	8.0	85	0.00
36		Bromochloromethane	50.000	48.189	3.6	96	0.00
37		Methacrylonitrile	50.000	47.892	4.2	90	0.00
38		Tetrahydrofuran	50.000	44.478	11.0	82	0.00
39	P	Chloroform	50.000	48.220	3.6	95	0.00
40	P	1,1,1-Trichloroethane	50.000	49.219	1.6	95	0.00
41		TAME	50.000	48.017	4.0	94	0.00
42	i	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
43	P	Cyclohexane	50.000	43.182	13.6	86	0.00
44	s	surr4,Dibrflmethane	50.000	51.227	-2.5	92	0.00
45	P	Carbontetrachloride	50.000	48.944	2.1	97	0.00
46		1,1-Dichloropropene	50.000	47.044	5.9	95	0.00
47	s	surr1,1,2-dichloroethane-d4	50.000	50.304	-0.6	90	0.00
48	P	Benzene	50.000	47.993	4.0	94	0.00
49	P	1,2-Dichloroethane	50.000	46.304	7.4	91	0.00
50		Iso-Butyl Alcohol	1000.000	842.540	15.7	74	0.00
51		n-Heptane	50.000	43.794	12.4	85	0.00

1st 09/23/24
2nd 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	2387.389	4.5	78	0.00
53	P	Trichloroethene	50.000	48.191	3.6	96	0.00
54	P	Methylcyclohexane	50.000	45.438	9.1	90	0.00
55	P	1,2-Diclpropane	50.000	46.880	6.2	92	0.00
56		Dibromomethane	50.000	49.291	1.4	94	0.00
57		1,4-Dioxane	1000.000	974.580	2.5	89	0.00
58		Methyl Methacrylate	50.000	47.930	4.1	88	0.00
59	P	Bromodichloromethane	50.000	51.245	-2.5	96	0.00
60		2-Nitropropane	100.000	98.435	1.6	85	0.00
61		2-Chloroethylvinyl Ether	50.000	49.751	0.5	80	0.00
62	P	cis-1,3-Dichloropropene	50.000	50.284	-0.6	92	0.00
63	P	4-Methyl-2-pentanone	50.000	46.655	6.7	87	0.00
64	s	SURR3,Toluene-d8	50.000	50.303	-0.6	91	0.00
65	P	Toluene	50.000	47.974	4.1	94	0.00
66	P	trans-1,3-Dichloropropene	50.000	51.317	-2.6	93	0.00
67		Ethyl Methacrylate	50.000	50.041	-0.1	88	0.00
68	P	1,1,2-Trichloroethane	50.000	49.119	1.8	94	0.00
69	s	SURR2,BFB	50.000	51.061	-2.1	92	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	94	0.00
71	P	Tetrachloroethene	50.000	47.117	5.8	97	0.00
72	P	2-Hexanone	50.000	45.196	9.6	82	0.00
73		1,3-Dichloropropane	50.000	46.688	6.6	91	0.00
74	P	Dibromochloromethane	50.000	53.290	-6.6	95	0.00
75		N-Butyl Acetate	50.000	44.926	10.1	83	0.00
76	P	1,2-Dibromoethane	50.000	48.985	2.0	94	0.00
77		3-Chlorobenzotrifluoride	50.000	47.819	4.4	98	0.00
78	P	Chlorobenzene	50.000	46.543	6.9	94	0.00
79		4-Chlorobenzotrifluoride	50.000	49.854	0.3	100	0.00
80		1,1,1,2-Tetrachloroethane	50.000	51.624	-3.2	96	0.00
81	P	Ethylbenzene	50.000	48.060	3.9	96	0.00
82	P	(m+p)Xylene	100.000	95.721	4.3	95	0.00
83	P	o-Xylene	50.000	48.823	2.4	97	0.00
84	P	Styrene	50.000	50.281	-0.6	95	0.00
85	P	Bromoform	50.000	55.772	-11.5	95	0.00
86		2-Chlorobenzotrifluoride	50.000	49.036	1.9	99	0.00
87	P	Isopropylbenzene	50.000	48.559	2.9	95	0.00
88		Cyclohexanone	1000.000	697.277	30.3#	62	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	48.602	2.8	85	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	47.633	4.7	92	0.00
92		Bromobenzene	50.000	48.323	3.4	94	0.00
93		1,2,3-Trichloropropane	50.000	46.378	7.2	93	0.00
94		n-Propylbenzene	50.000	48.400	3.2	95	0.00
95		2-Chlorotoluene	50.000	48.226	3.5	95	0.00
96		3-Chlorotoluene	50.000	49.103	1.8	97	0.00
97		4-Chlorotoluene	50.000	48.135	3.7	95	0.00
98		1,3,5-Trimethylbenzene	50.000	48.456	3.1	96	0.00
99		tert-Butylbenzene	50.000	47.827	4.3	96	0.00
100		1,2,4-Trimethylbenzene	50.000	48.943	2.1	97	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	48.583	2.8	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
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	48.798	2.4	96	0.00
103		p-Isopropyltoluene	50.000	49.613	0.8	96	0.00
104	P	1,3-Dclbenz	50.000	47.574	4.9	95	0.00
105	P	1,4-Dclbenz	50.000	48.228	3.5	95	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	48.188	3.6	96	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	49.410	1.2	100	0.00
108		n-Butylbenzene	50.000	49.843	0.3	96	0.00
109	P	1,2-Dclbenz	50.000	47.957	4.1	95	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	55.916	-11.8	93	0.00
111		Trielution Dichlorotoluene	150.000	149.138	0.6	98	0.00
112		1,3,5-Trichlorobenzene	50.000	49.228	1.5	97	0.00
113		Coelution Dichlorotoluene	100.000	103.387	-3.4	99	0.00
114	P	1,2,4-Tcbenzene	50.000	49.605	0.8	95	0.00
115		Hexachlorobt	50.000	49.934	0.1	95	0.00
116		Naphthalen	50.000	52.738	-5.5	93	0.00
117		1,2,3-Tclbenzene	50.000	50.390	-0.8	95	0.00
118		2,4,5-Trichlorotoluene	50.000	53.948	-7.9	94	0.00
119		2,3,6-Trichlorotoluene	50.000	51.921	-3.8	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.989	168	406599	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	6.171	114	614550	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.567	117	531019	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.640	152	276300	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.830	113	190412	51.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.46%			
47) surr1,1,2-dichloroetha...	5.415	65	212834	50.30	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.60%			
64) SURR3,Toluene-d8	8.049	98	700040	50.30	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.60%			
69) SURR2,BFB	10.658	95	257356	51.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.12%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.081	51	181426	45.699	ug/L	97
3) Dichlorodifluoromethane	1.075	85	176551	50.343	ug/L	99
4) Chloromethane	1.191	50	193061	45.026	ug/L	97
5) Vinyl Chloride	1.264	62	194672	46.671	ug/L	98
6) Bromomethane	1.465	94	108818	51.400	ug/L	97
7) Chloroethane	1.538	64	114689	48.006	ug/L	96
8) Freon 21	1.678	67	290851	47.919	ug/L	98
9) Trichlorofluoromethane	1.715	101	264160	48.695	ug/L	98
10) Diethyl Ether	1.934	59	161838	45.361	ug/L	98
11) Freon 123a	1.940	67	167894m	46.054	ug/L	
12) Freon 123	1.989	83	226898	47.992	ug/L	99
13) Acrolein	2.026	56	262535	241.280	ug/L	99
14) 1,1-Diclethene	2.105	96	159548	48.201	ug/L	98
15) Freon 113	2.111	101	165132	48.893	ug/L	97
16) Acetone	2.154	43	62043m	39.531	ug/L	
17) 2-Propanol	2.276	45	256282	914.463	ug/L	99
18) Iodomethane	2.227	142	283856	55.017	ug/L	98
19) Carbon Disulfide	2.276	76	418205	51.569	ug/L	99
20) Acetonitrile/Allyl Chl...	2.410	41	319414	271.955	ug/L	94
21) Methyl Acetate	2.434	43	138910	44.693	ug/L	98
22) Methylene Chloride	2.520	84	166560	48.851	ug/L	93
23) TBA	2.648	59	492338	959.642	ug/L	100
24) Acrylonitrile	2.757	53	423102	227.410	ug/L	99
25) Methyl-t-Butyl Ether	2.794	73	494927	47.979	ug/L	98
26) trans-1,2-Dichloroethene	2.788	96	168892	47.205	ug/L	97
27) 1,1-Diclethane	3.245	63	298892	46.458	ug/L	99
28) Vinyl Acetate	3.330	86	43747	53.870	ug/L #	80
29) DIPE	3.361	45	485084	44.866	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.355	53	284822	47.837	ug/L	96
31) ETBE	3.843	59	562427	46.808	ug/L	99
32) 2,2-Dichloropropane	4.007	77	232124	48.743	ug/L	97
33) cis-1,2-Dichloroethene	4.013	96	189115	49.735	ug/L	95
34) 2-Butanone	4.074	43	86582	43.384	ug/L	96
35) Propionitrile	4.147	54	175776	229.950	ug/L	97
36) Bromochloromethane	4.379	130	132854	48.189	ug/L	96
37) Methacrylonitrile	4.397	67	84040	47.892	ug/L	89
38) Tetrahydrofuran	4.477	42	55551	44.478	ug/L	91
39) Chloroform	4.544	83	283524	48.220	ug/L	97
40) 1,1,1-Trichloroethane	4.830	97	260211	49.219	ug/L	99

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41)	TAME	5.763	73	462618	48.017	ug/L	97
43)	Cyclohexane	4.916	41	126617	43.182	ug/L	98
45)	Carbontetrachloride	5.129	117	222714	48.944	ug/L	98
46)	1,1-Dichloropropene	5.141	75	208255	47.044	ug/L	99
48)	Benzene	5.495	78	632287	47.993	ug/L	98
49)	1,2-Dichloroethane	5.543	62	235661	46.304	ug/L	99
50)	Iso-Butyl Alcohol	5.556	43	154392	842.540	ug/L	99
51)	n-Heptane	6.019	43	205984	43.794	ug/L	96
52)	1-Butanol	6.580	56	306503	2387.389	ug/L	96
53)	Trichloroethene	6.507	130	199160	48.191	ug/L	98
54)	Methylcyclohexane	6.745	55	245133	45.438	ug/L	90
55)	1,2-Diclpropane	6.805	63	176130	46.880	ug/L	99
56)	Dibromomethane	6.952	93	110399	49.291	ug/L	95
57)	1,4-Dioxane	7.031	88	54643	974.580	ug/L	94
58)	Methyl Methacrylate	7.055	69	129271	47.930	ug/L	97
59)	Bromodichloromethane	7.190	83	210622	51.245	ug/L	99
60)	2-Nitropropane	7.494	41	90286	98.435	ug/L	100
61)	2-Chloroethylvinyl Ether	7.622	63	26767	49.751	ug/L	93
62)	cis-1,3-Dichloropropene	7.750	75	251464	50.284	ug/L	98
63)	4-Methyl-2-pentanone	7.976	43	169532	46.655	ug/L	98
65)	Toluene	8.122	91	708184	47.974	ug/L	100
66)	trans-1,3-Dichloropropene	8.409	75	233287	51.317	ug/L	98
67)	Ethyl Methacrylate	8.561	69	236577	50.041	ug/L	93
68)	1,1,2-Trichloroethane	8.598	97	168771	49.119	ug/L	99
71)	Tetrachloroethene	8.720	164	152532	47.117	ug/L	95
72)	2-Hexanone	8.909	43	122493	45.196	ug/L	96
73)	1,3-Dichloropropane	8.769	76	258806	46.688	ug/L	97
74)	Dibromochloromethane	9.000	129	193844	53.290	ug/L	99
75)	N-Butyl Acetate	9.067	43	263440	44.926	ug/L	95
76)	1,2-Dibromoethane	9.092	107	181016	48.985	ug/L	100
77)	3-Chlorobenzotrifluoride	9.628	180	276576	47.819	ug/L	97
78)	Chlorobenzene	9.598	112	491922	46.543	ug/L	98
79)	4-Chlorobenzotrifluoride	9.683	180	253939	49.854	ug/L	99
80)	1,1,1,2-Tetrachloroethane	9.689	131	192302	51.624	ug/L	99
81)	Ethylbenzene	9.720	106	260608	48.060	ug/L	98
82)	(m+p)Xylene	9.835	106	640399	95.721	ug/L	99
83)	o-Xylene	10.195	106	321096	48.823	ug/L	99
84)	Styrene	10.213	104	543416	50.281	ug/L	99
85)	Bromoform	10.366	173	119497	55.772	ug/L	99
86)	2-Chlorobenzotrifluoride	10.451	180	266439	49.036	ug/L	97
87)	Isopropylbenzene	10.537	105	764882	48.559	ug/L	100
88)	Cyclohexanone	10.604	55	640884	697.277	ug/L	99
89)	trans-1,4-Dichloro-2-B...	10.860	53	65964	48.602	ug/L	91
91)	1,1,2,2-Tetrachloroethane	10.805	83	227249	47.633	ug/L	99
92)	Bromobenzene	10.780	156	213613	48.323	ug/L	98
93)	1,2,3-Trichloropropane	10.835	110	77645	46.378	ug/L	95
94)	n-Propylbenzene	10.896	91	921166	48.400	ug/L	100
95)	2-Chlorotoluene	10.957	91	544657	48.226	ug/L	98
96)	3-Chlorotoluene	11.012	91	575475	49.103	ug/L	99
97)	4-Chlorotoluene	11.049	91	637362	48.135	ug/L	99
98)	1,3,5-Trimethylbenzene	11.049	105	700093	48.456	ug/L	97
99)	tert-Butylbenzene	11.323	119	613269	47.827	ug/L	100
100)	1,2,4-Trimethylbenzene	11.366	105	700484	48.943	ug/L	100
101)	3,4-Dichlorobenzotrifl...	11.433	214	197187	48.583	ug/L	98
102)	sec-Butylbenzene	11.506	105	882400	48.798	ug/L	99
103)	p-Isopropyltoluene	11.634	119	770112	49.613	ug/L	100

1st KR 09/23/24
2nd FJ 09/25/24

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
Data File : K6194.D
Acq On : 23 Sep 2024 10:28 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

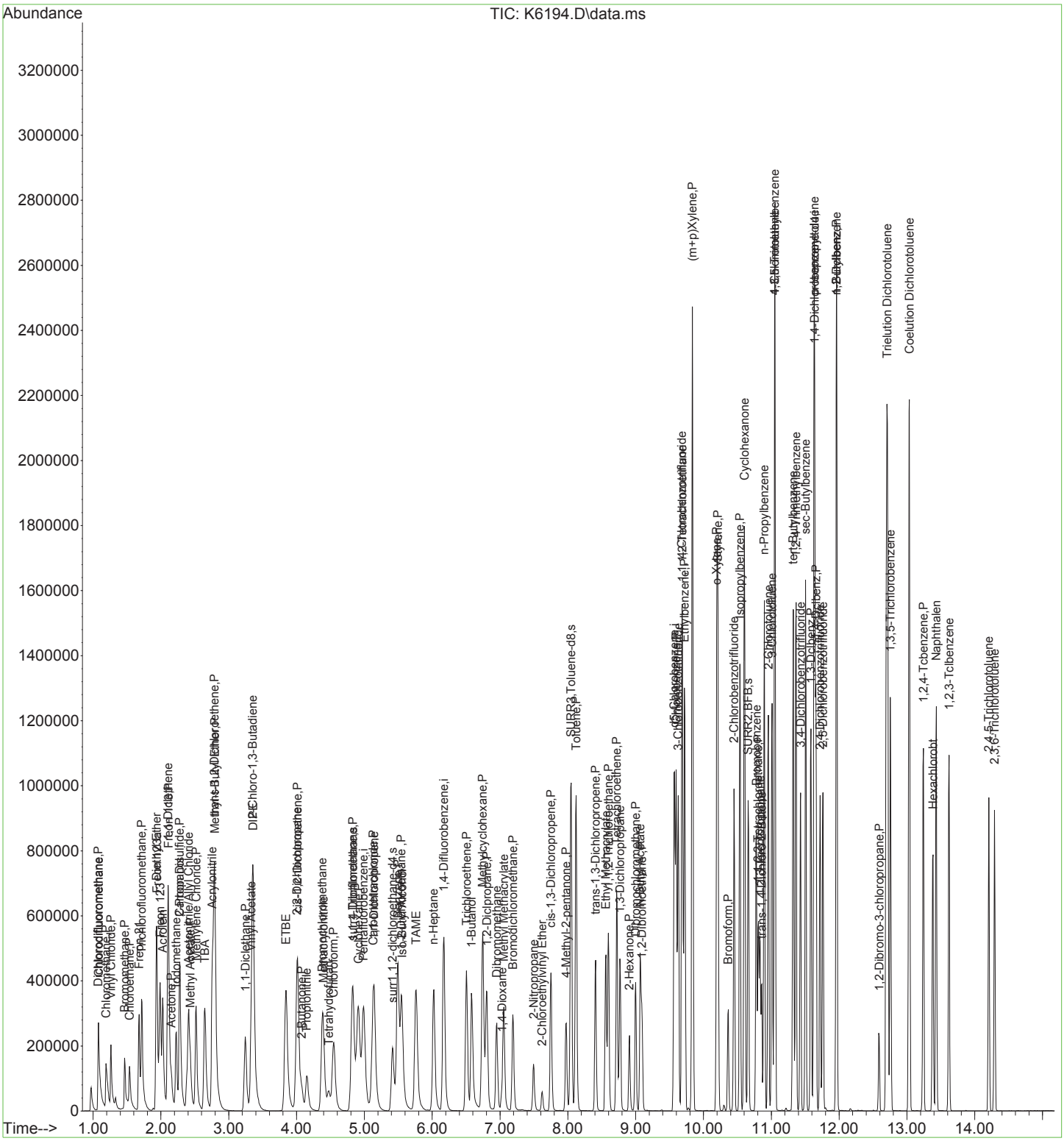
Quant Time: Sep 23 10:45:18 2024
Quant Method : I:\ACQUDATA\MSVOA17\Methods\W091824.m
Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.585	146	407728	47.574	ug/L	100
105) 1,4-Dclbenz	11.658	146	413479	48.228	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.719	214	172678	48.188	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.762	214	198203	49.410	ug/L	100
108) n-Butylbenzene	11.963	91	647669	49.843	ug/L	100
109) 1,2-Dclbenz	11.963	146	399387	47.957	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.591	157	59353	55.916	ug/L	95
111) Trielution Dichlorotol...	12.707	125	1161522	149.138	ug/L	99
112) 1,3,5-Trichlorobenzene	12.756	180	296244	49.228	ug/L	99
113) Coelution Dichlorotoluene	13.036	125	828716	103.387	ug/L	99
114) 1,2,4-Tcbenzene	13.243	180	280615	49.605	ug/L	97
115) Hexachlorobt	13.384	225	117729	49.934	ug/L	99
116) Naphthalen	13.432	128	798107	52.738	ug/L	99
117) 1,2,3-Tclbenzene	13.621	180	268149	50.390	ug/L	99
118) 2,4,5-Trichlorotoluene	14.207	159	209613	53.948	ug/L	99
119) 2,3,6-Trichlorotoluene	14.292	159	179321	51.921	ug/L	97

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

Data Path : I:\ACQUDATA\MSVOA17\Data\092324\
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Quant Title : MS#17 - 8260 WATERS 5mL Purge
QLast Update : Thu Sep 19 09:53:57 2024
Response via : Initial Calibration



Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton **Calibration Date:** 9/18/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2400176 **Signal ID:** 1
Instrument ID: R-MS-17

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2400176-01	0.5ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6041.D	09/18/2024 11:42
02	RC2400176-02	1.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6042.D	09/18/2024 12:05
03	RC2400176-03	2.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6043.D	09/18/2024 12:28
04	RC2400176-04	5.0ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6044.D	09/18/2024 12:51
05	RC2400176-05	20ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6045.D	09/18/2024 13:14
06	RC2400176-06	50ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6046.D	09/18/2024 13:37
07	RC2400176-07	100ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6047.D	09/18/2024 14:00
08	RC2400176-08	150ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6048.D	09/18/2024 14:23
09	RC2400176-09	200ppb	I:\ACQUDATA\MSVOA17\Data\091824\K6049.D	09/18/2024 14:46

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7157	02	1.000	0.6656	03	2.000	0.6161	04	5.000	0.6398
05	20.000	0.6171	06	50.000	0.6554	07	100.000	0.645	08	150.000	0.6484
09	200.000	0.6481									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8478	02	1.000	0.8428	03	2.000	0.7889	04	5.000	0.8124
05	20.000	0.7519	06	50.000	0.7853	07	100.000	0.7613	08	150.000	0.7668
09	200.000	0.7631									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4838	02	1.000	0.3948	03	2.000	0.4248	04	5.000	0.4106
05	20.000	0.3925	06	50.000	0.3955	07	100.000	0.3874	08	150.000	0.3886
09	200.000	0.3854									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4315	05	20.000	0.3701	06	50.000	0.432	07	100.000	0.4175
08	200.000	0.3993									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.2985	05	20.000	0.2862	06	50.000	0.3178	07	100.000	0.3135
08	200.000	0.296									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.36	02	1.000	0.3319	03	2.000	0.3247	04	5.000	0.3165
05	20.000	0.2934	06	50.000	0.2796	07	100.000	0.2834	08	150.000	0.2717
09	200.000	0.2821									

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton **Calibration Date:** 9/18/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2400176 **Signal ID:** 1
Instrument ID: R-MS-17

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.182	05	20.000	1.065	06	50.000	1.184	07	100.000	1.157
08	200.000	1.073									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3702	02	1.000	0.3494	03	2.000	0.3556	04	5.000	0.3437
05	20.000	0.3219	06	50.000	0.32	07	100.000	0.3274	08	150.000	0.3182
09	200.000	0.3199									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6006	02	1.000	0.5233	03	2.000	0.4988	04	5.000	0.4832
05	20.000	0.4977	06	50.000	0.5088	07	100.000	0.502	08	150.000	0.5047
09	200.000	0.4973									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4825	02	1.000	0.4787	03	2.000	0.4539	04	5.000	0.4884
05	20.000	0.4595	06	50.000	0.4645	07	100.000	0.4634	08	150.000	0.4597
09	200.000	0.4576									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5386	02	1.000	0.4474	03	2.000	0.4475	04	5.000	0.4428
05	20.000	0.4165	06	50.000	0.4222	07	100.000	0.4185	08	150.000	0.4108
09	200.000	0.4154									

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton **Calibration Date:** 9/18/2024

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2400176 **Signal ID:** 1
Instrument ID: R-MS-17

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	4.5	≤20	0.6501	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	4.5	≤20	0.7911	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.7	≤20	0.407	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	6.3	≤20	0.4101	
Dibromofluoromethane	SURR	Average RF	% RSD	4.3	≤20	0.3024	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	9.8	≤20	0.3048	0.200
Toluene-d8	SURR	Average RF	% RSD	5.2	≤20	1.132	
Trichloroethene (TCE)	TRG	Average RF	% RSD	5.7	≤20	0.3362	0.200
Vinyl Chloride	TRG	Average RF	% RSD	6.7	≤20	0.5129	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	2.6	≤20	0.4676	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	9.0	≤20	0.44	0.100

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2409108
Calibration Date: 9/18/2024

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2400176
Instrument ID: R-MS-17

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2400176-10	ICV-50	I:\ACQUDATA\MSVOA17\Data\091824\K6055.D	09/18/2024 17:09

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	51.5	6.501E-1	6.7E-1	3.05	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.5	7.911E-1	7.991E-1	1.00	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.7	4.07E-1	4.125E-1	1.34	±30	Average RF
Tetrachloroethene (PCE)	50.0	49.2	3.048E-1	2.999E-1	-1.615	±30	Average RF
Trichloroethene (TCE)	50.0	50.9	3.362E-1	3.42E-1	1.71	±30	Average RF
Vinyl Chloride	50.0	55.1	5.129E-1	5.654E-1	10.23	±30	Average RF
cis-1,2-Dichloroethene	50.0	53.5	4.676E-1	5.001E-1	6.94	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.1	4.4E-1	4.232E-1	-3.823	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	53.6	4.101E-1	4.397E-1	7.23	±30	Average RF
Dibromofluoromethane	50.0	52.2	3.024E-1	3.16E-1	4.48	±30	Average RF
Toluene-d8	50.0	52.0	1.132E0	1.178E0	4.01	±30	Average RF

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

Service Request: R2409108
Date Analyzed: 09/20/24 11:28

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
File ID: I:\ACQUDATA\MSVOA17\Data\092024\K6115.D\
Signal ID: 1

Calibration Date: 9/18/2024
Calibration ID: RC2400176
Analysis Lot: 854794
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.7	0.6501	0.6197	-4.7	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.3	0.7911	0.7484	-5.4	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	47.6	0.407	0.3872	-4.9	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	45.3	0.3048	0.2764	-9.3	NA	±20	Average RF
Trichloroethene (TCE)	50.0	47.5	0.3362	0.3193	-5.0	NA	±20	Average RF
Vinyl Chloride	50.0	46.7	0.5129	0.4792	-6.6	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.3	0.4676	0.4517	-3.4	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	46.7	0.44	0.411	-6.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.4	0.4101	0.4213	2.7	NA	±20	Average RF
Dibromofluoromethane	50.0	50.6	0.3024	0.306	1.2	NA	±20	Average RF
Toluene-d8	50.0	50.6	1.1323	1.1462	1.2	NA	±20	Average RF

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

Service Request: R2409108
Date Analyzed: 09/23/24 10:28

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D
File ID: I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\
Signal ID: 1

Calibration Date: 9/18/2024
Calibration ID: RC2400176
Analysis Lot: 854958
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.2	0.6501	0.64	-1.6	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	46.5	0.7911	0.7351	-7.1	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	48.2	0.407	0.3924	-3.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	47.1	0.3048	0.2872	-5.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.2	0.3362	0.3241	-3.6	NA	±20	Average RF
Vinyl Chloride	50.0	46.7	0.5129	0.4788	-6.7	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.7	0.4676	0.4651	-0.5	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	47.2	0.44	0.4154	-5.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.1	0.4101	0.4188	2.1	NA	±20	Average RF
Dibromofluoromethane	50.0	51.2	0.3024	0.3098	2.5	NA	±20	Average RF
Toluene-d8	50.0	50.3	1.1323	1.1391	0.6	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**854794
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\092024\K6114.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	10:56:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6115.D\	Continuing Calibration Verification	RQ2411864-02	9/20/2024	11:28:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6115.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	11:28:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6116.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	12:01:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6116.D\	Lab Control Sample	RQ2411864-03	9/20/2024	12:01:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6118.D\	Method Blank	RQ2411864-04	9/20/2024	12:58:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6118.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	12:58:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6119.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	13:21:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6120.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	13:44:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6121.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	14:07:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6122.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	14:30:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6123.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	14:53:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6124.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	15:16:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6125.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	15:39:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6126.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	16:02:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6127.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	16:25:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6128.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	16:48:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6129.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	17:11:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6130.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	17:34:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6131.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	17:57:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6132.D\	MW-9-091624	R2409108-002	9/20/2024	18:20:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6133.D\	MW-17-091624	R2409108-004	9/20/2024	18:43:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6134.D\	DUP-091724	R2409108-014	9/20/2024	19:06:00	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**854794
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\092024\K6135.D\	MW-16-091724	R2409108-010	9/20/2024	19:29:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6136.D\	MW-11-091724	R2409108-016	9/20/2024	19:52:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6138.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	20:38:00	
I:\ACQUDATA\MSVOA17\Data\092024\K6139.D\	ZZZZZZZ	ZZZZZZZ	9/20/2024	21:01:00	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D **Analysis Lot:**854958
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\092324\K6194.D\	Continuing Calibration Verification	RQ2411972-01	9/23/2024	10:28:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6195.D\	Lab Control Sample	RQ2411972-02	9/23/2024	11:01:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6196.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	11:24:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6198.D\	Method Blank	RQ2411972-04	9/23/2024	12:10:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6199.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	12:33:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6200.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	13:06:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6201.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	13:29:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6202.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	13:52:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6203.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	14:16:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6204.D\	MW-8-091724	R2409108-013	9/23/2024	14:39:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6205.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:02:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6206.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:25:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6207.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:48:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6209.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	16:34:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6210.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	16:57:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6211.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	17:20:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6212.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	17:43:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6213.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	18:06:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6214.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	18:29:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6215.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	18:52:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6216.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	19:15:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6217.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	19:38:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6218.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	20:01:00	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260D **Analysis Lot:**854958
Instrument ID:R-MS-17

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA17\Data\092324\K6219.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	20:24:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6220.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	20:47:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6221.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	21:10:00	
I:\ACQUDATA\MSVOA17\Data\092324\K6222.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	21:33:00	

Analysis: 8260+624 | Analyst: KL/Mgst | pH strips: 234223 | Tune Method: W0915624

Date: 9/20/24 | Balance ID: N/A | ResCl strips: 012V414.HH | Run Method: ↓

Instr. 17 | 50 mL Class A used for dilution FV | Syringes: 231124 | LIMS Run#: 854994

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./		RL	Vial	HS	Cl	pH	File#	OK?	Comments
1	BLK			(10L)						K6112		
2	TUNE									K6113	✓	176 ↓
1	↓		RQ24111864.01	—						K6114	YT	(auto) 10:50
1	CCV			02 + 05	06					K6115	YC	
1	LCS.wmp			03 06	07					K6116	YQ	
1	BLK			— —						K6117	✓	not 10
2	MBLK.wmp			04 09	08					K6118	YB	
3	R2409111.005	1.0		(1004)	14685	1	N	neg	5	K6119	Y	
4	001	1.0				1		neg	7	K6120	Y	
5	002	1.0				1		neg	7	K6121	Y	
6	003	1.0				1		neg	7	K6122	Y	
7	004	1.0				1		neg	7	K6123	Y	
8	R2409121.001	1.0			24188	1		neg	7	K6124	Y	
9	↓ 002	25	2/50mls		↓	1		neg	7	K6125	Y	foamy
10	R2409045.001	1.0			27498	1		N/A	6	K6126	Y	
11	RQ24117349.01	1.0		TCLPBLK	VHR	1			5	K6127	Y	
12	R2408857.001	10	5/50mls	TCLP	26541	1			5	K6128	Y	
13	R2409010.001	10	↓	↓	↓	1			5	K6129	Y	
14	R2408963.001	10			26535	1			5	K6130	Y	
15	↓ 002	10	↓	↓	↓	1			5	K6131	Y	
16	R2409108.002	1.0			26516	1			7	K6132	Y	
17	004	1.0				1			7	K6133	Y	
18	↓ 014	1.0				1			7	K6134	Y	
19	010	10	5/50mls			1			N/A	K6135	Y	oil for purple matrix
20	016	10	↓			1			N/A	K6136	Y	↓
21	↓ 013	2.5	20/50mls			1			7	K6137	✓	
22	R2408852.001	10	5/50mls	MS (TCLP)	26541	2			5	K6138	YQ	not (1)
23	↓ 001	10	↓	MSD ↓	↓	2	↓	↓	5	K6139	YQ	Run QC
24	BLK	—								K6140	—	↓ 21:01 ✓
1	↓									K6140A		
2	↓									K6140B		

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr :

Surrogate 50 : 237297

Internal Std 50 : 237096

Reagents:

500 Primary DCL : 237111

Primary Fr : 237354

Primary TB : 237110 — 5mL → 50mls = CCV

Primary HSL : 237133

Primary 236 : 236543

TOT

200 Secondary Fr : 237345 ~ 5mL

500 Secondary DCL : 236103

Secondary TB : 237239

Secondary HSL : 237149

Secondary 236 : 236534

TOT

2mL → 50mls = LCS

>4.3mL ↓ 43mL vial = mslD

Preparation Information Benchsheet

Prep Run#: 445128
Team: Semivoa GC/EDEGRAY

Prep WorkFlow: TCLP ZHE
Prep Method:

Status: Prepped
Prep Date/Time: 9/18/24 15:09

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ2411749-01	MB		25g	EPA 1311/TCLP ZHE				500.00mL			
2	R2408852-001	Biosolids	.03	25.1700g	EPA 1311/TCLP ZHE				500.00mL			
3	R2408987-001	AOC1-Waste	.09	25.2100g	EPA 1311/TCLP ZHE				500.00mL			
4	R2408987-002	AOC2-Waste	.09	25.9900g	EPA 1311/TCLP ZHE				500.00mL			
5	R2409010-001	Sludge (Belt Press)	.02	25.2600g	EPA 1311/TCLP ZHE				500.00mL			

Preparation Steps

Step: Leach
Started: 9/18/24 15:09
Finished: 9/18/24 15:10
By: EDEGRAY
Comments

Comments: _____

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: _____ Date: _____ Extracts Examined

Received By: _____ Date: _____ Yes No

SOP: MET-TCLPZHE

Volatile TCLP Extraction ZHE - EPA 1311

Analyst: EDG 445128

Rotator ID	6			
Date started	9/17/24			
Time started	406			
RPM (daily when full)	31			
Within 28-32rpm?	Y	EDG		
Date ended	9/18/24	9/18/24		
Time ended	1000			

Therm ID: 127
CF °C: -

	Obs°C	Corr°C
Min	21.5	
Max	23.1	

Within Limits (21-25°C)? Y
Comments: —

Balance: R-05
Fluid 1 Concentrate: 237332 pH 4.93±0.05
Filter Lot: 230406
Filter Date: 9/18/24
Bottle Lot: —

Fluid 1 prepared from concentrate daily

o-Ring/vessel check: ✓

Order #	Extraction Vessel ID	Rotator ID	will yield liquid under pressure?	Part size Reduced?*	Sample Amt (g)	Fluid vol used (mL)	Pressure start	Pressure end	Time of Filtration	If separated Filtrate Compatible?	Recombination amount filtrate	Recombination amount leachate	Comments
R240852-001	9	6	N	N	25.17	500mL	10PSI	10PSI	313				
R2408987-001	7	↓	↓	↓	25.21	↓	↓	↓	321				
-002	17				25.99				327				
R2409010-001	13				25.26				317				
RQ2411749-01	2								309				

*Reduce until will pass 9.5mm sieve

Percent Solids Determinination, if needed

Order #							
Ws: Weight of sample							
Wc: Tare Wt of container					EDG		
Wcs: Final Wt of container					9/18/24		
%solids = 100 x (Ws-(Wcs-Wc))/Ws							

<5% solid - use 500g sample
5-50% - use 100*25/%solid
>50 - use solid remaining in ZHE
ext fluid: 20(%sol)(sample wt)/100

Analysis: 8260407 (VL) | Analyst: KDurst | pH strips: 234223 | Tune Method: W091524

Date: 9/23/24 | Balance ID: NA | ResCl strips: NA | Run Method: ↓

Instr. 17 | 50 mL Class A used for dilution FV | Syringes: 23174 | LIMS Run#: 854958

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Vial	HS	CI	pH	File#	OK?	Comments
1	BLK								K6192		
2	TUNE		K09241972.—						K6193	—	(not needed)
1	CCV		01						K6194	VL	10:28
1	LCS.ump		02						K6195	VB	
2	LCS.FP		03						K6196	VB	
3	MBLK		—						K6197	(N)	not c/o
4	MBLK.ump		04						K6198	VB	
5	MBLK.FP		05						K6199	VB	
1	R240930.003	2.5	20/50mls	26951	2	N	NA	22	K6200	Y	DC F113
2	↓ 004	2.5	↓	↓	2	↓	↓	22	K6201	Y	↓
3	R240918.003	1.0		26405	4			22	K6202	Y	
4	↓ 005	1.0		↓	2			22	K6203	Y	
5	R240930.013	1.0		26516	2			(2)	K6204	Y	
6	R240930.002	1.0			1			(2)	K6205	Y	
7	↓ 014	1.0			1			(2)	K6206	Y	
8	↓ 015	5.0	10/50mls	↓	1	↓	↓	NA	K6207	Y	dil.for matrix (purple)
9	BLK	—							K6208	—	
10	R240917.001	1.0		26402	1	N	NA	22	K6209	Y	
11	↓ 002	1.0		↓	1			22	K6210	Y	
12	R240930.001	1.0		26516	1			22	K6211	Y	
13	016	1.0			1			22	K6212	Y	
14	013	1.0			1			22	K6213	Y	
15	006	1.0			1			22	K6214	Y	
16	011	1.0			1			22	K6215	Y	
17	017	1.0			1			22	K6216	Y	
18	005	1.0			1			22	K6217	Y	
19	007	1.0			1			22	K6218	Y	
20	008	1.0			1			22	K6219	Y	
21	↓ 012	1.0		↓	1			22	K6220	Y	
22	R240918.003	1.0	MS	26405	2			22	K6221	Y	
23	↓ 003	1.0	MSD	↓	3	↓	↓	22	K6222	Y	21:33 ✓
24	BLK	—							K6223	—	

All samples = 5 mL + 5 uL combined IS/ 5 mL purged

Combined IS/Surr:

Surrogate 5D: 237297

Internal Std 5D: 237296

Reagents:

500 Primary OCC: 237111

Primary fr: 237344

Primary TO: 237110 — 5uL → 50mls = CCV

Primary HSL: 237133

Primary 236: 236543 JVT

200 Secondary fr: 237345 — 15uL — 10.8mL

500 Secondary OCC: 236103

Secondary TO: 237239 — 2uL

Secondary HSL: 237149 — 50mls = LCS / 4.3mL

Secondary 236: 236544 JVT

4.3mL vial = MS/D ✓

Semivolatile Organic Compounds by GC/MS

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

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 15:40
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-14-091624	**Units:**	ug/L
Lab Code:	R2409108-005	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.035	1	09/23/24 15:56	9/23/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	97	64 - 124	09/23/24 15:56	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/16/24 17:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	FB-091624	**Units:**	ug/L
Lab Code:	R2409108-006	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.035	1	09/23/24 16:13	9/23/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	115	64 - 124	09/23/24 16:13	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 10:35
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-16-091724	**Units:**	ug/L
Lab Code:	R2409108-010	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**1.1**	0.80	0.70	1	09/24/24 15:06	9/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	73	64 - 124	09/24/24 15:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 13:05
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-8-091724	**Units:**	ug/L
Lab Code:	R2409108-013	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.80 U	0.80	0.70	1	09/24/24 15:23	9/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	85	64 - 124	09/24/24 15:23	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 13:30
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	FB-091724	**Units:**	ug/L
Lab Code:	R2409108-015	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.035	1	09/23/24 16:31	9/23/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	118	64 - 124	09/23/24 16:31	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Collected:**	09/17/24 16:55
Sample Matrix:	Water	**Date Received:**	09/18/24 08:35
Sample Name:	MW-13-091724	**Units:**	ug/L
Lab Code:	R2409108-017	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
Prep Method: EPA 3535A

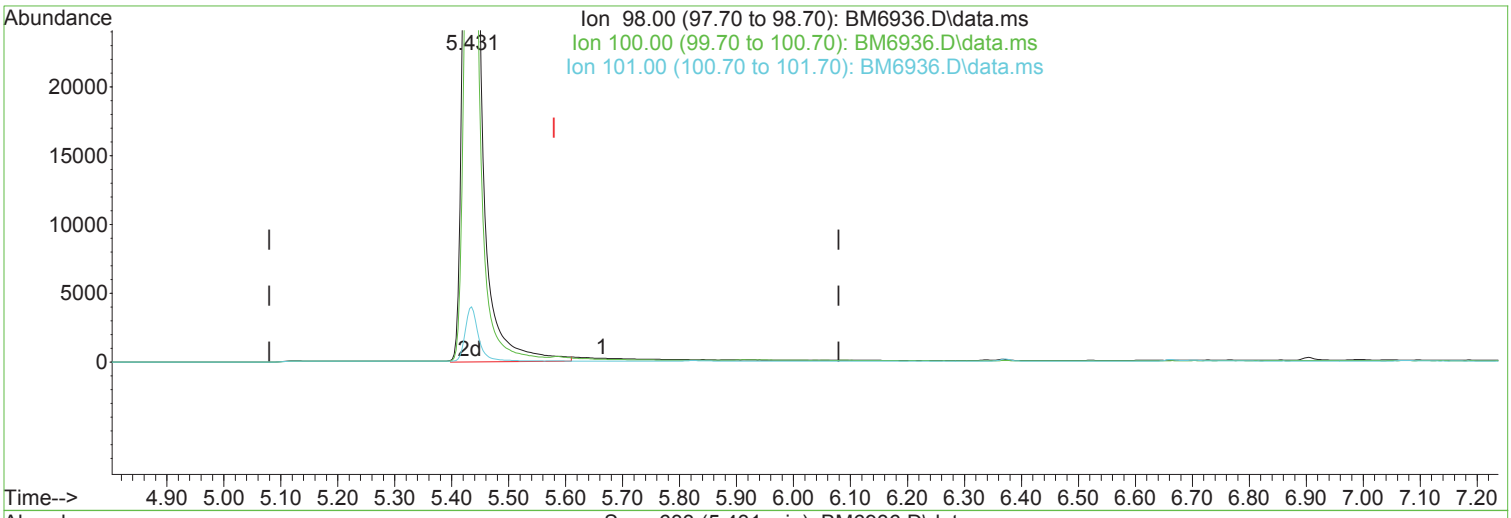
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.089**	0.040	0.035	1	09/23/24 16:48	9/23/24	

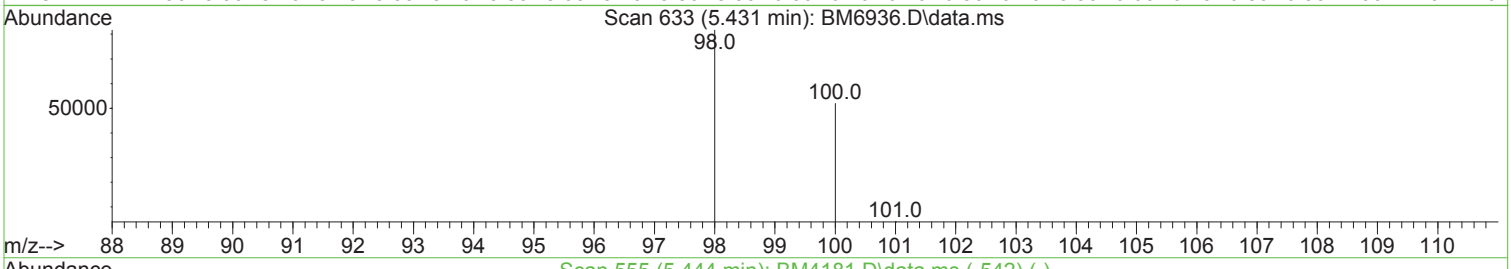
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	92	64 - 124	09/23/24 16:48	

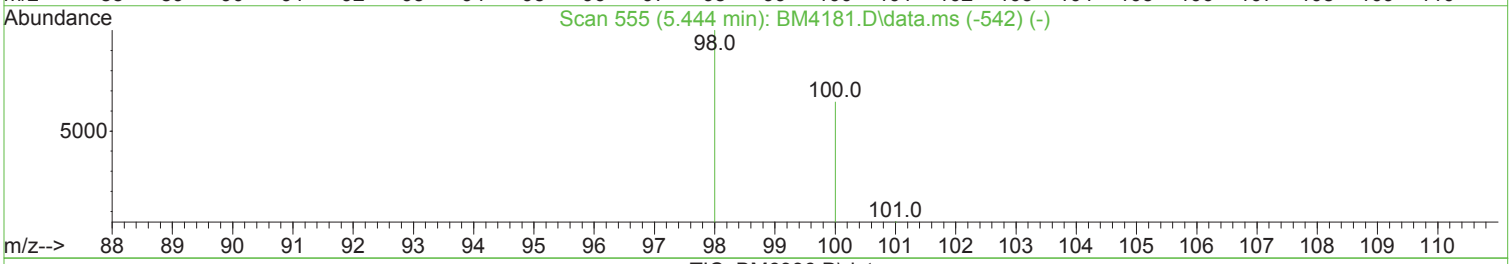
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6936.D
Acq On : 23 Sep 2024 03:56 pm
Operator : KProcopio
Sample : R2409108-005
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 08:12:17 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration







TIC: BM6936.D\data.ms

(1) Toluene-d8 (IR)

5.431min (-0.149) 100.00 ppb m

response 136743

Ion	Exp%	Act%
98.00	100.00	100.00
100.00	65.10	63.54
101.00	4.90	4.77
0.00	0.00	0.00

Manual Integration:

After

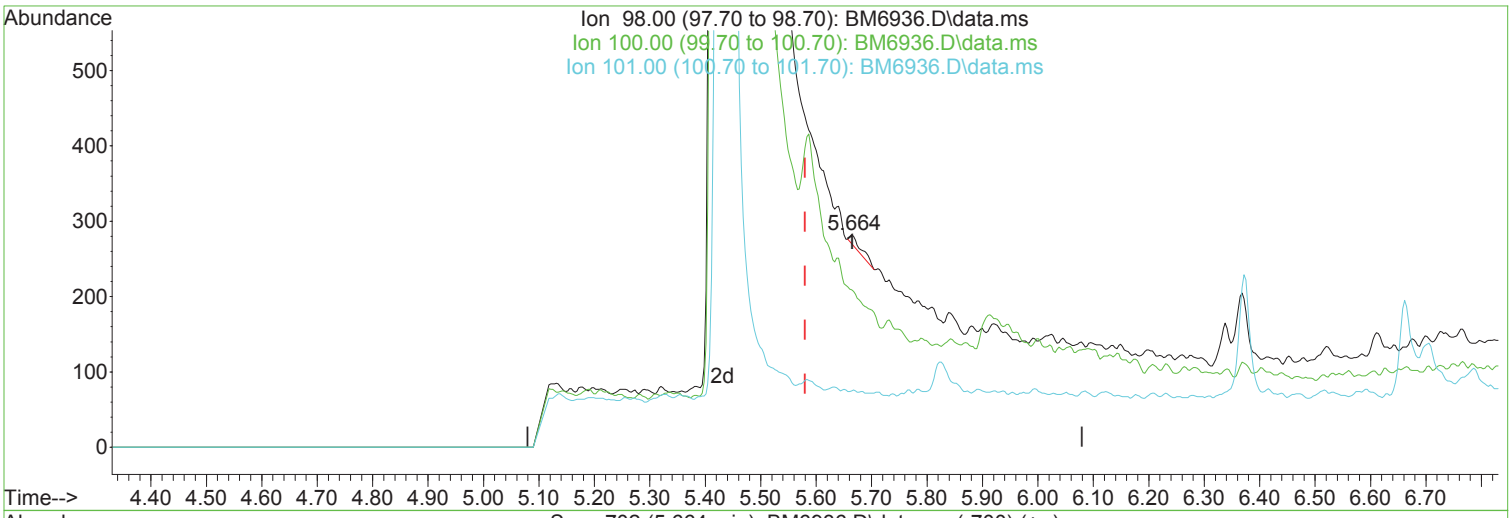
Poor integration.

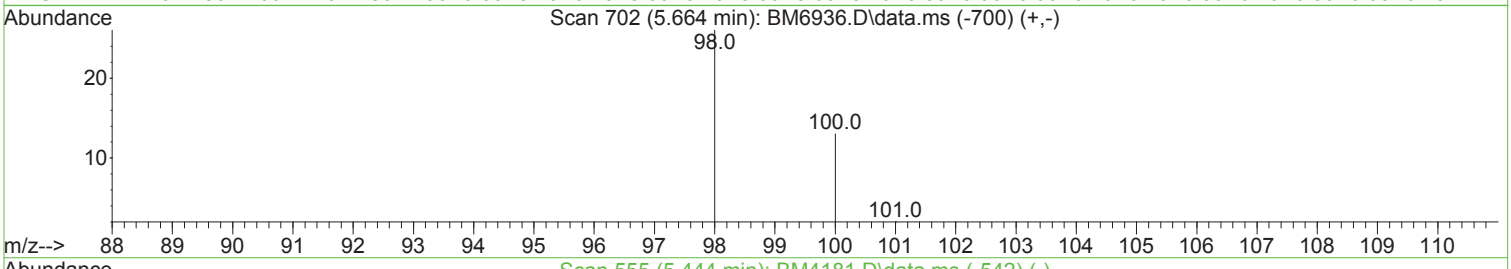
09/24/24

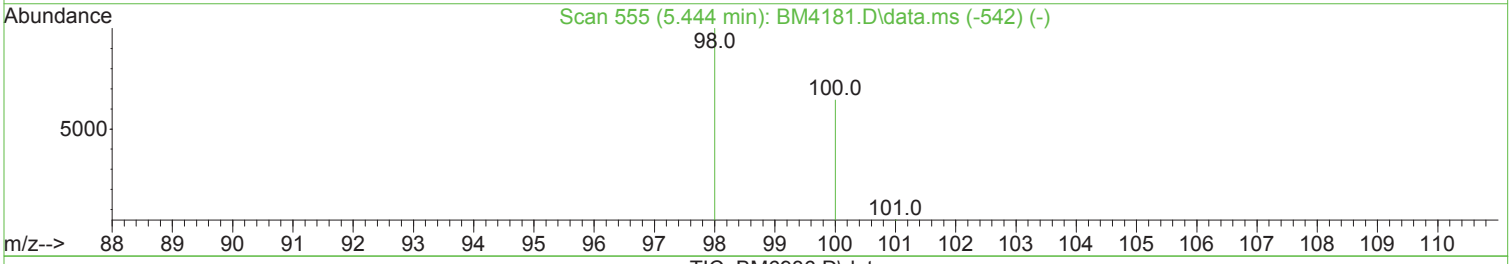
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6936.D
Acq On : 23 Sep 2024 03:56 pm
Operator : KProcopio
Sample : R2409108-005
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 08:12:17 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration







TIC: BM6936.D\data.ms

(1) Toluene-d8 (IR)

5.664min (+ 0.084) 100.00 ppb

response 17

Ion	Exp%	Act%
98.00	100.00	100.00
100.00	65.10	50.00
101.00	4.90	7.69
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6936.D
Acq On : 23 Sep 2024 03:56 pm
Operator : KProcopio
Sample : R2409108-005
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 08:12:17 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

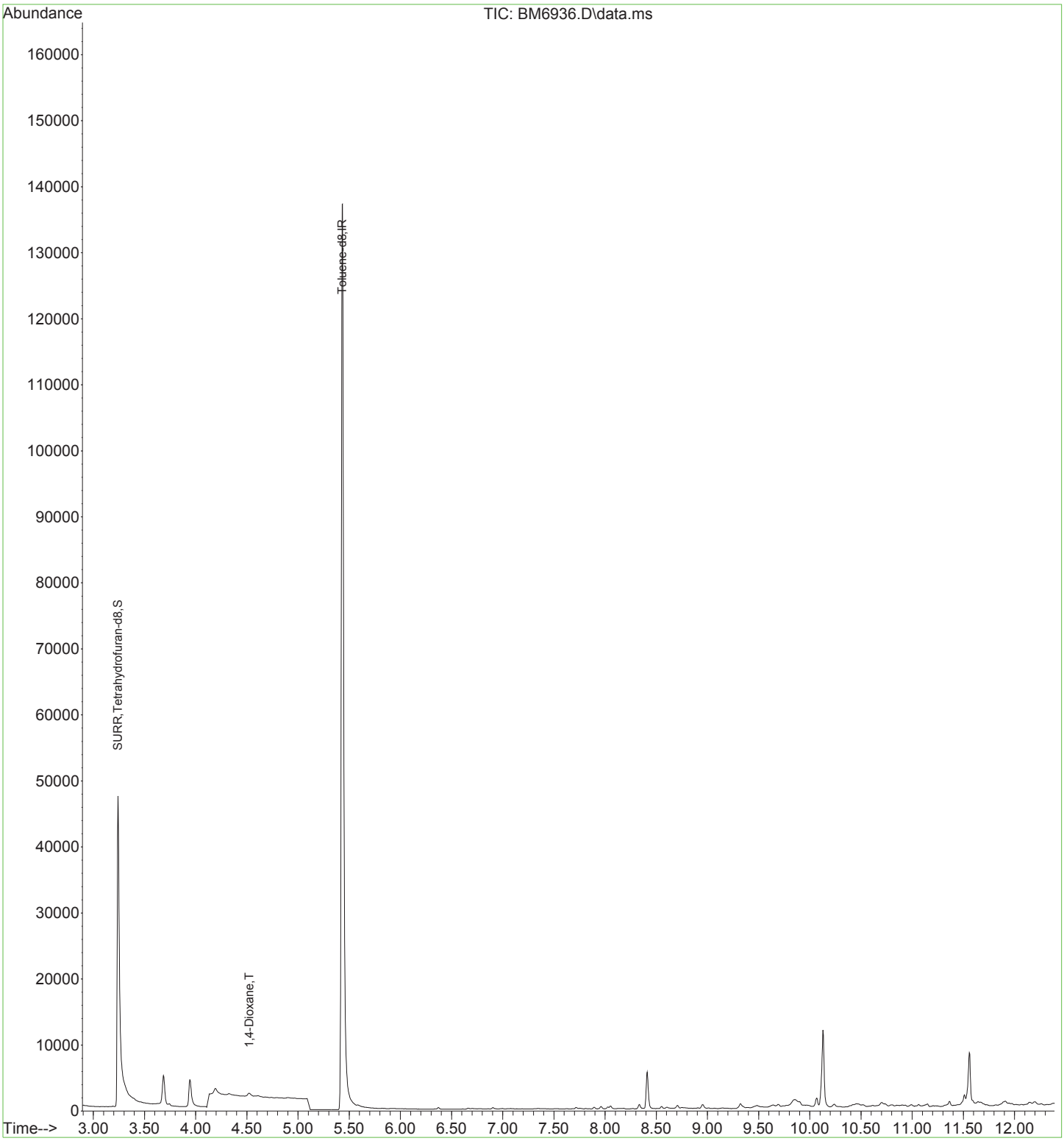
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.431	98	136743m	100.00	ppb	-0.15
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.241	46	37286	97.30	ppb	-0.05
Spiked Amount 100.000	Range 70 - 130		Recovery = 97.30%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.521	88	466	1.247	ppb	93

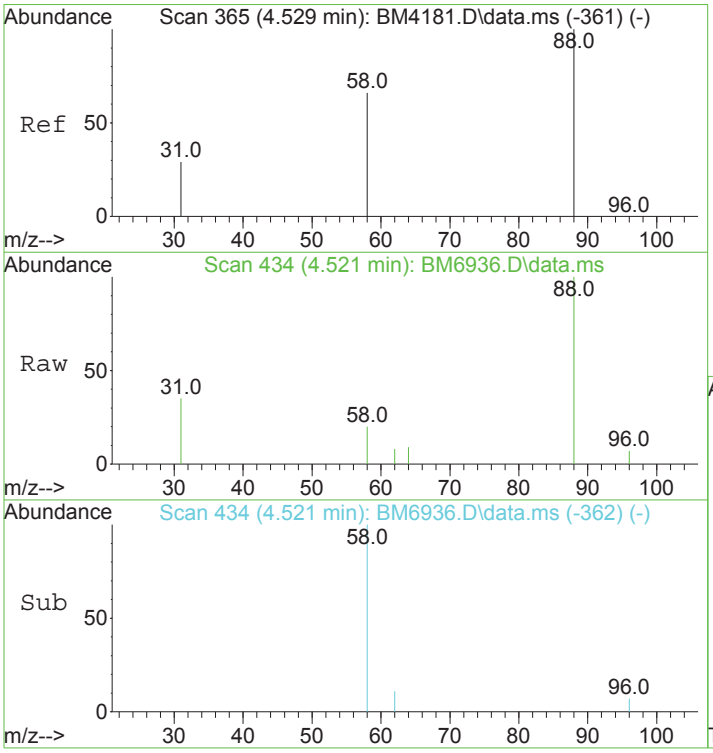
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6936.D
Acq On : 23 Sep 2024 03:56 pm
Operator : KProcopio
Sample : R2409108-005
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 08:12:17 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

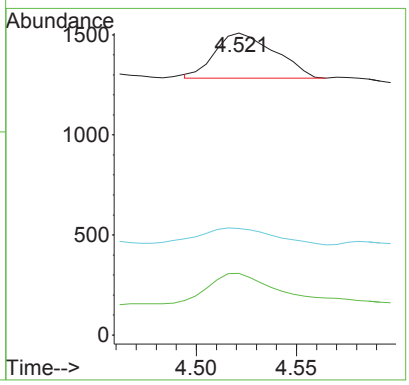




#2
1,4-Dioxane
Concen: 1.25 ppb
RT: 4.521 min Scan# 434
Delta R.T. -0.105 min
Lab File: BM6936.D
Acq: 23 Sep 2024 03:56 pm

Tgt Ion: 88 Resp: 466

Ion	Ratio	Lower	Upper
88	100		
58	59.9	47.0	87.0
31	31.1	10.4	50.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6937.D
Acq On : 23 Sep 2024 04:13 pm
Operator : KProcopio
Sample : R2409108-006
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 24 08:12:19 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

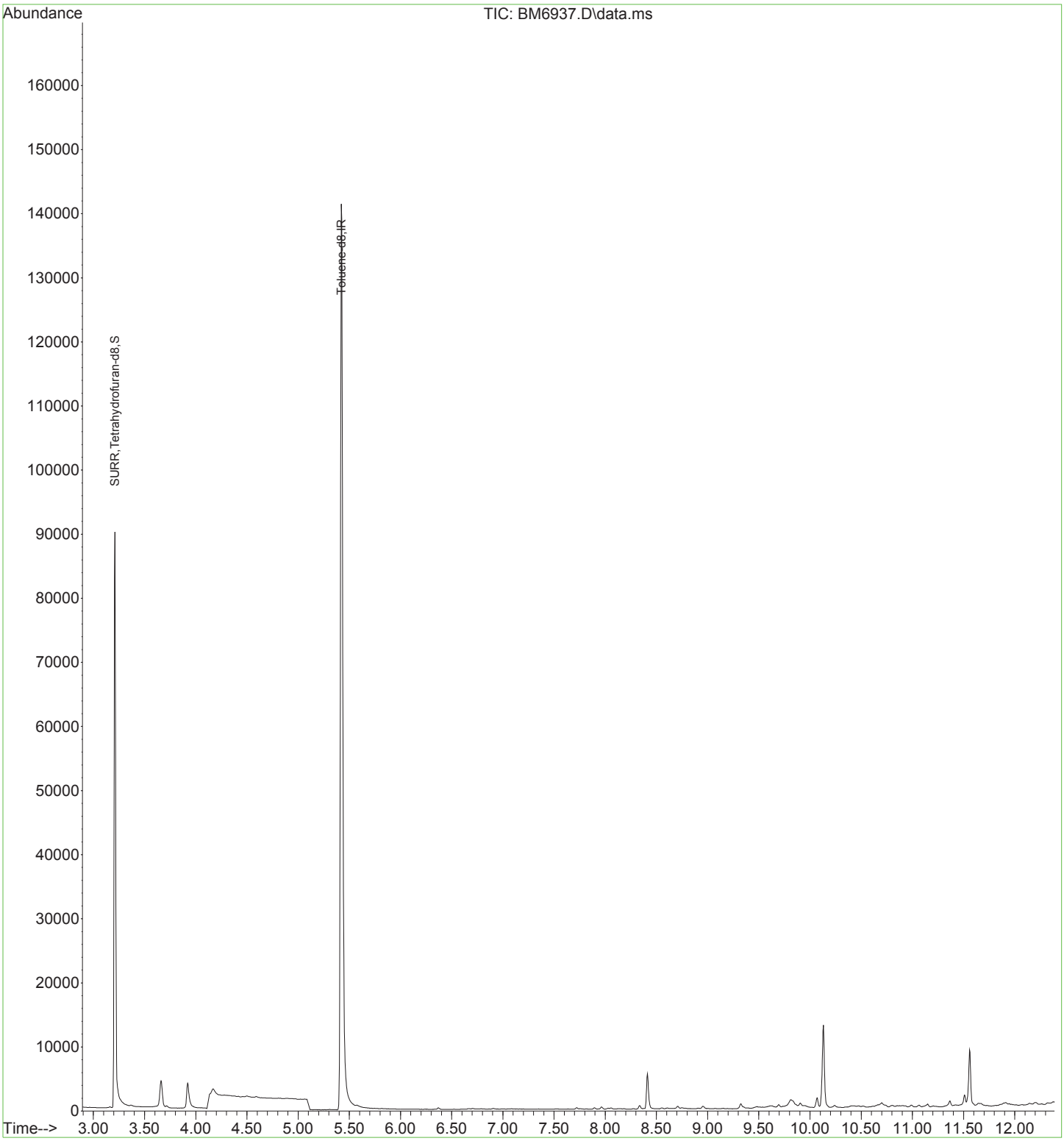
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.422	98	135567	100.00	ppb	-0.16
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.210	46	43805	115.31	ppb	-0.08
Spiked Amount 100.000	Range 70 - 130		Recovery = 115.31%			
Target Compounds						Qvalue
2) 1,4-Dioxane	0.000		0	N.D.	d	

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

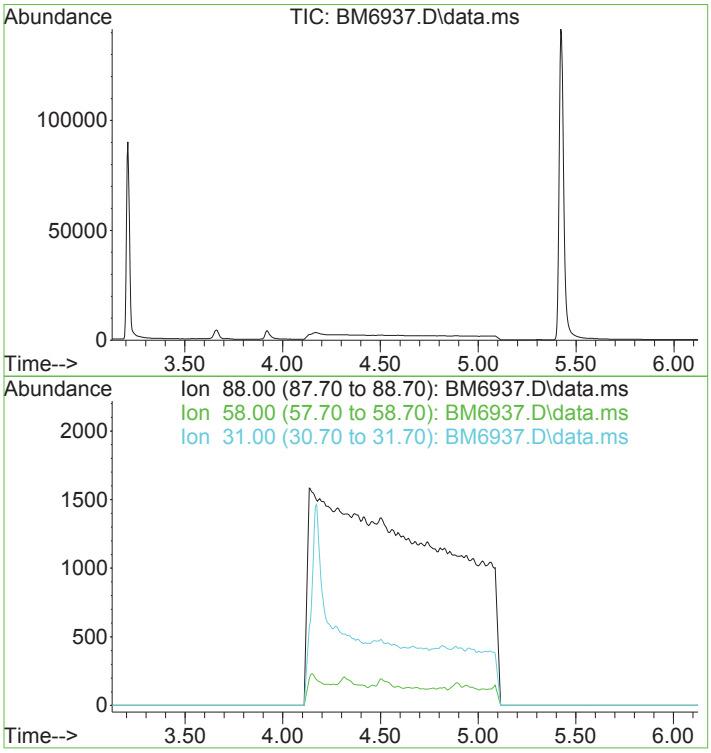
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6937.D
Acq On : 23 Sep 2024 04:13 pm
Operator : KProcopio
Sample : R2409108-006
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 24 08:12:19 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration



1st 09/25/24
2nd 09/25/24



#2
1,4-Dioxane
Concen: N.D.
Expected RT: 4.63 min

Lab File: BM6937.D
Acq: 23 Sep 2024 04:13 pm

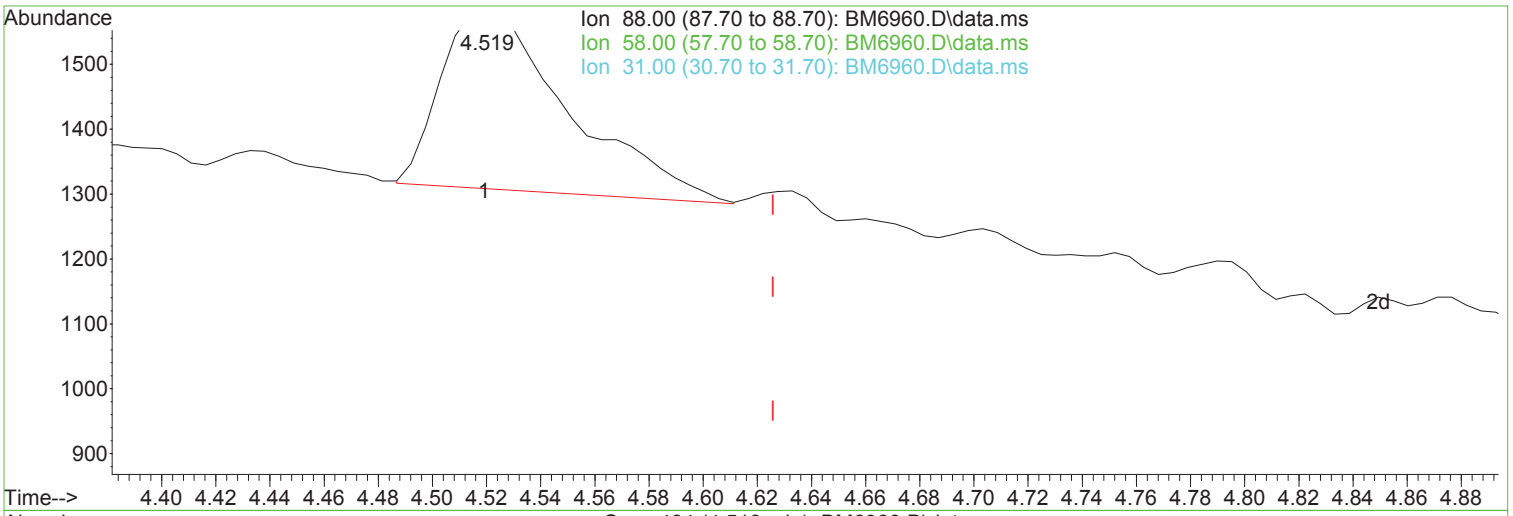
Tgt Ion: 88

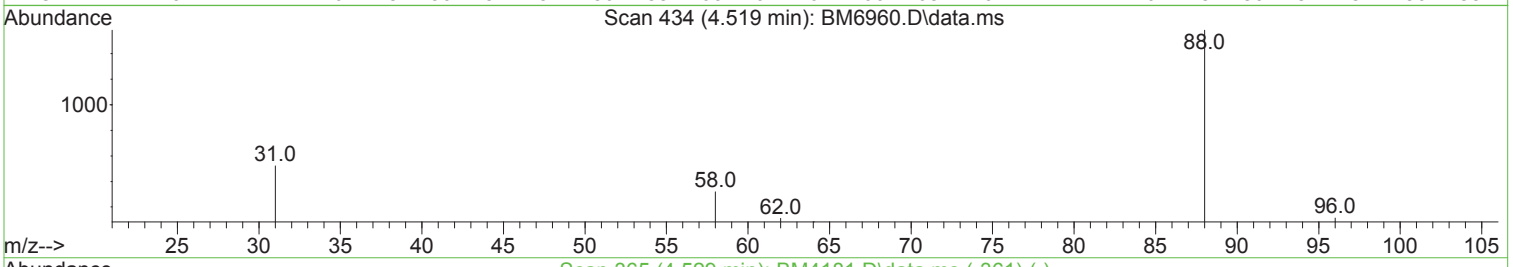
Sig	Exp Ratio
88	100
58	67.0
31	30.4

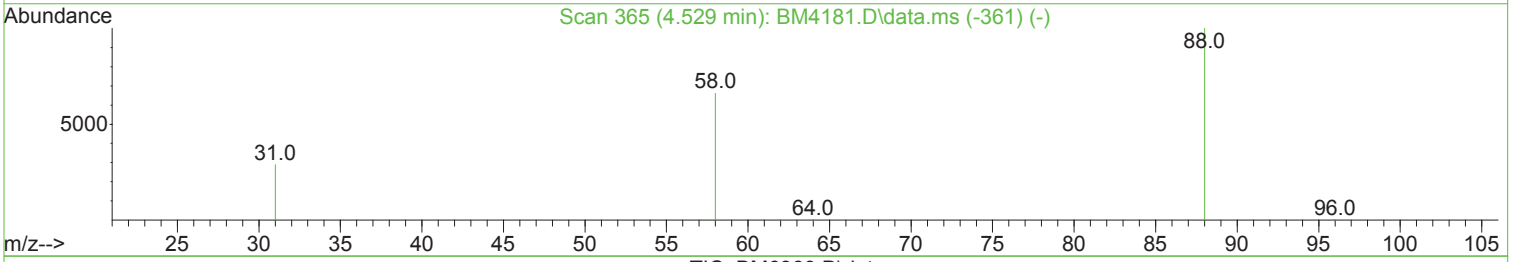
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6960.D
Acq On : 24 Sep 2024 03:06 pm
Operator : KProcopio
Sample : R2409108-010
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 09:32:01 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration







TIC: BM6960.D\data.ms

(2) 1,4-Dioxane (T)

4.519min (-0.107) 2.67 ppb m

response 896

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	67.00	20.08#
31.00	30.40	32.95
0.00	0.00	0.00

Manual Integration:

After

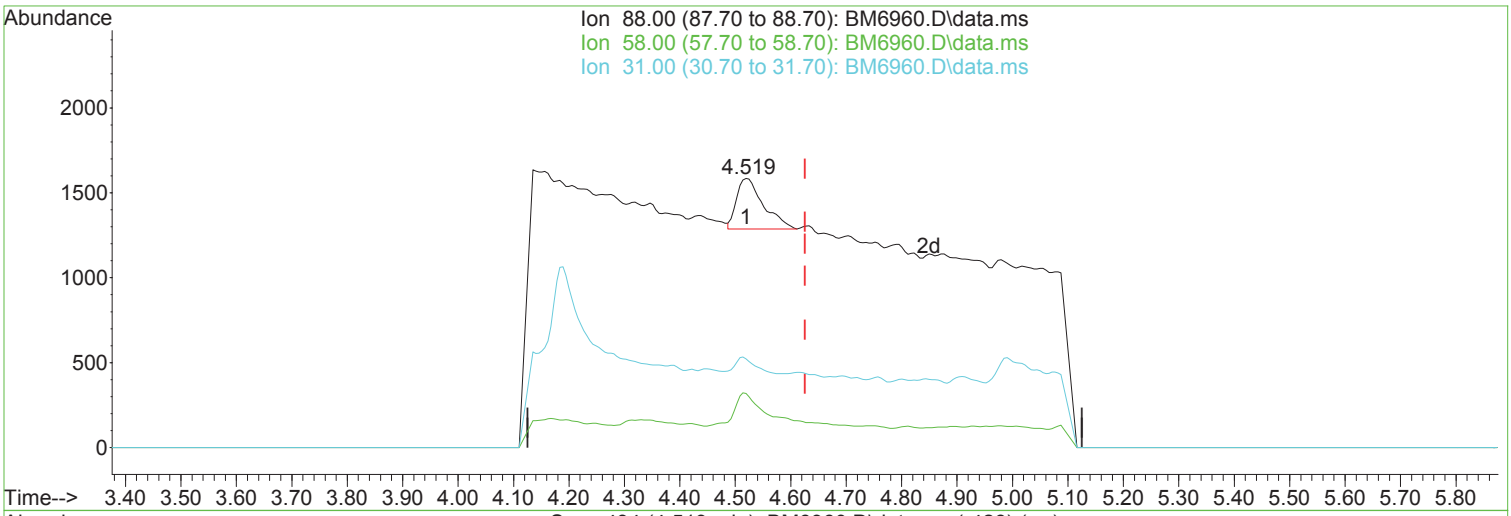
Poor integration.

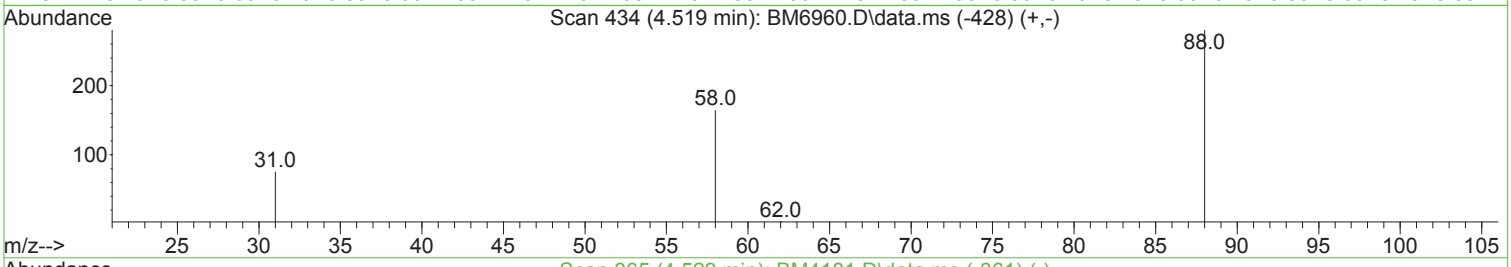
09/25/24

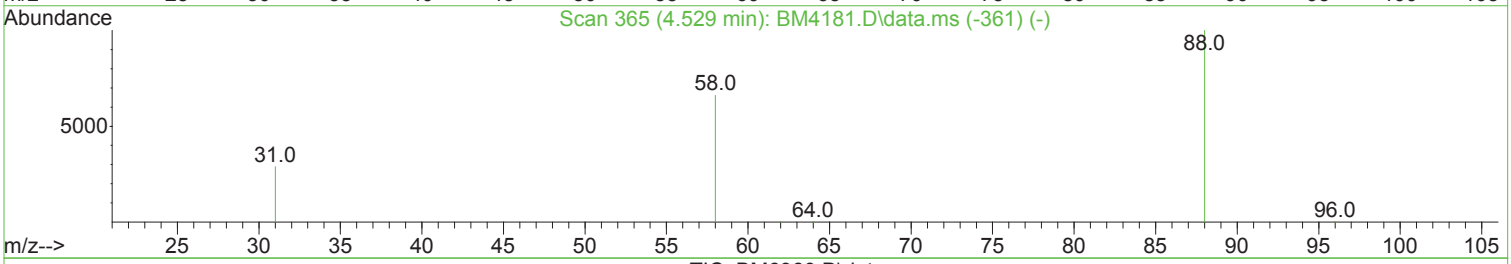
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6960.D
Acq On : 24 Sep 2024 03:06 pm
Operator : KProcopio
Sample : R2409108-010
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 09:32:01 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration







TIC: BM6960.D\data.ms

(2) 1,4-Dioxane (T)

4.519min (-0.107) 2.98 ppb

response 1000

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	67.00	58.47
31.00	30.40	26.74
0.00	0.00	0.00

Manual Integration:

Before

09/25/24

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6960.D
Acq On : 24 Sep 2024 03:06 pm
Operator : KProcopio
Sample : R2409108-010
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 09:32:01 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

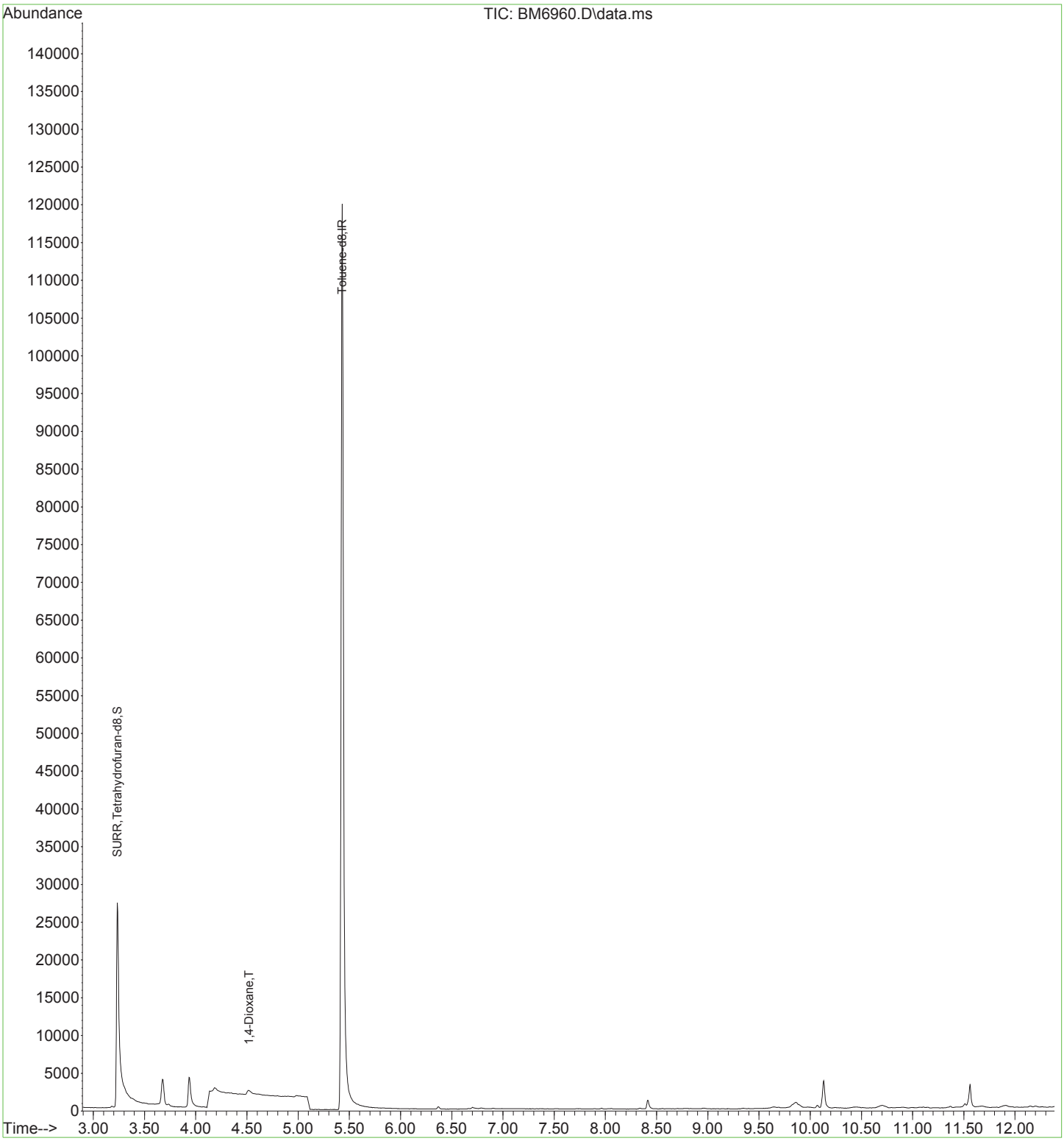
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.429	98	122583	100.00	ppb	-0.15
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.234	46	25068	72.98	ppb	-0.06
Spiked Amount 100.000	Range 70 - 130		Recovery = 72.98%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.519	88	896m	2.674	ppb	

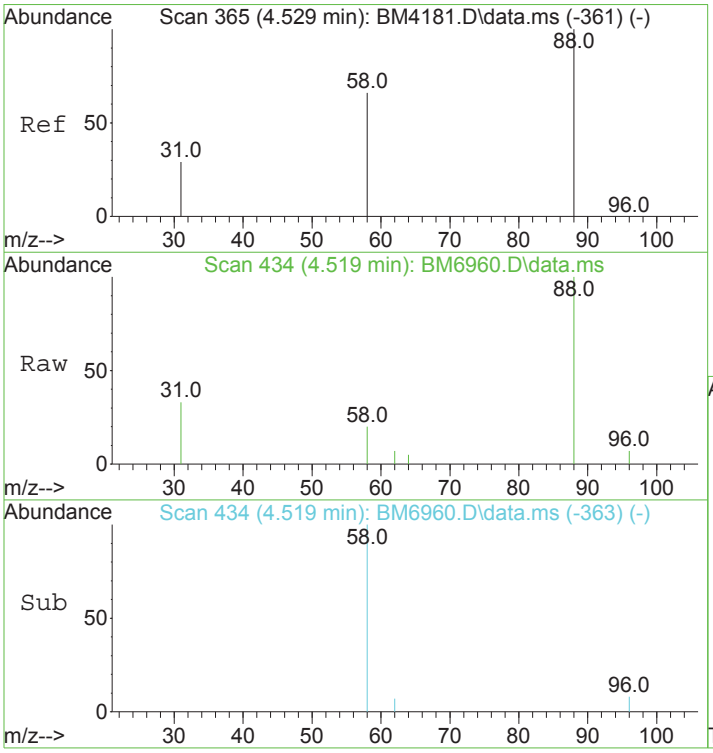
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6960.D
Acq On : 24 Sep 2024 03:06 pm
Operator : KProcopio
Sample : R2409108-010
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 09:32:01 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

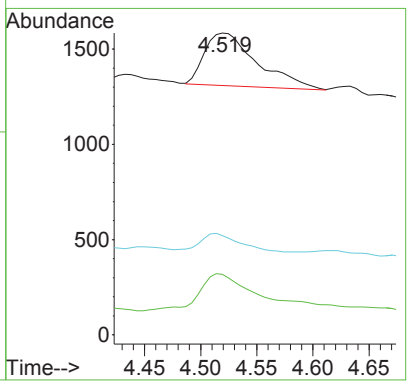




#2
1,4-Dioxane
Concen: 2.67 ppb m
RT: 4.519 min Scan# 434
Delta R.T. -0.107 min
Lab File: BM6960.D
Acq: 24 Sep 2024 03:06 pm

Tgt Ion: 88 Resp: 896

Ion	Ratio	Lower	Upper
88	100		
58	20.1	47.0	87.0#
31	33.0	10.4	50.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6961.D
Acq On : 24 Sep 2024 03:23 pm
Operator : KProcopio
Sample : R2409108-013
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 09:32:03 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

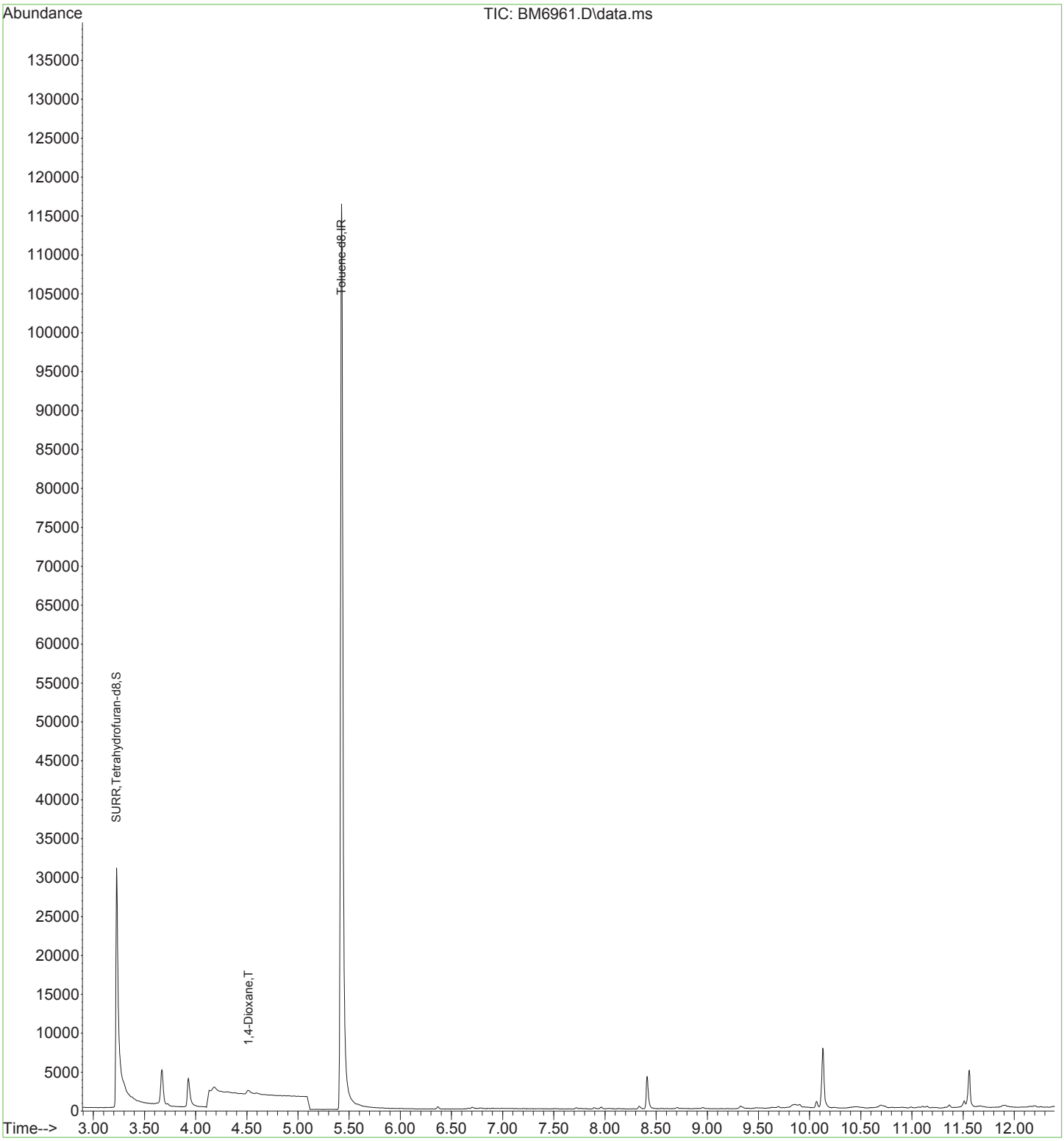
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.424	98	120459	100.00	ppb	-0.16
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.227	46	28630	84.82	ppb	-0.06
Spiked Amount 100.000	Range 70 - 130		Recovery = 84.82%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.516	88	571	1.734	ppb	84

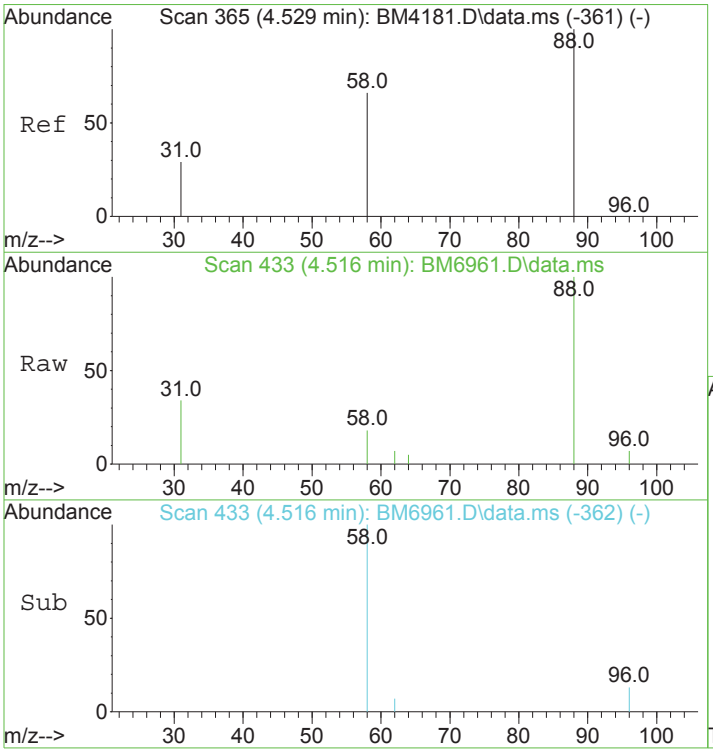
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6961.D
Acq On : 24 Sep 2024 03:23 pm
Operator : KProcopio
Sample : R2409108-013
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 25 09:32:03 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

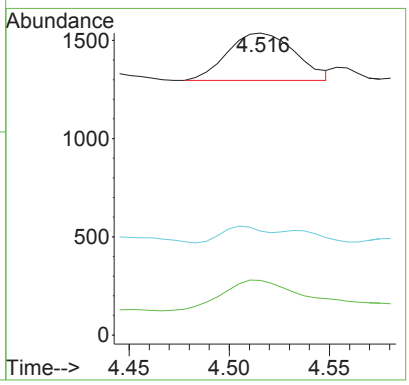




#2
1,4-Dioxane
Concen: 1.73 ppb
RT: 4.516 min Scan# 433
Delta R.T. -0.110 min
Lab File: BM6961.D
Acq: 24 Sep 2024 03:23 pm

Tgt Ion: 88 Resp: 571

Ion	Ratio	Lower	Upper
88	100		
58	55.1	47.0	87.0
31	19.9	10.4	50.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6938.D
Acq On : 23 Sep 2024 04:31 pm
Operator : KProcopio
Sample : R2409108-015
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 08:12:21 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

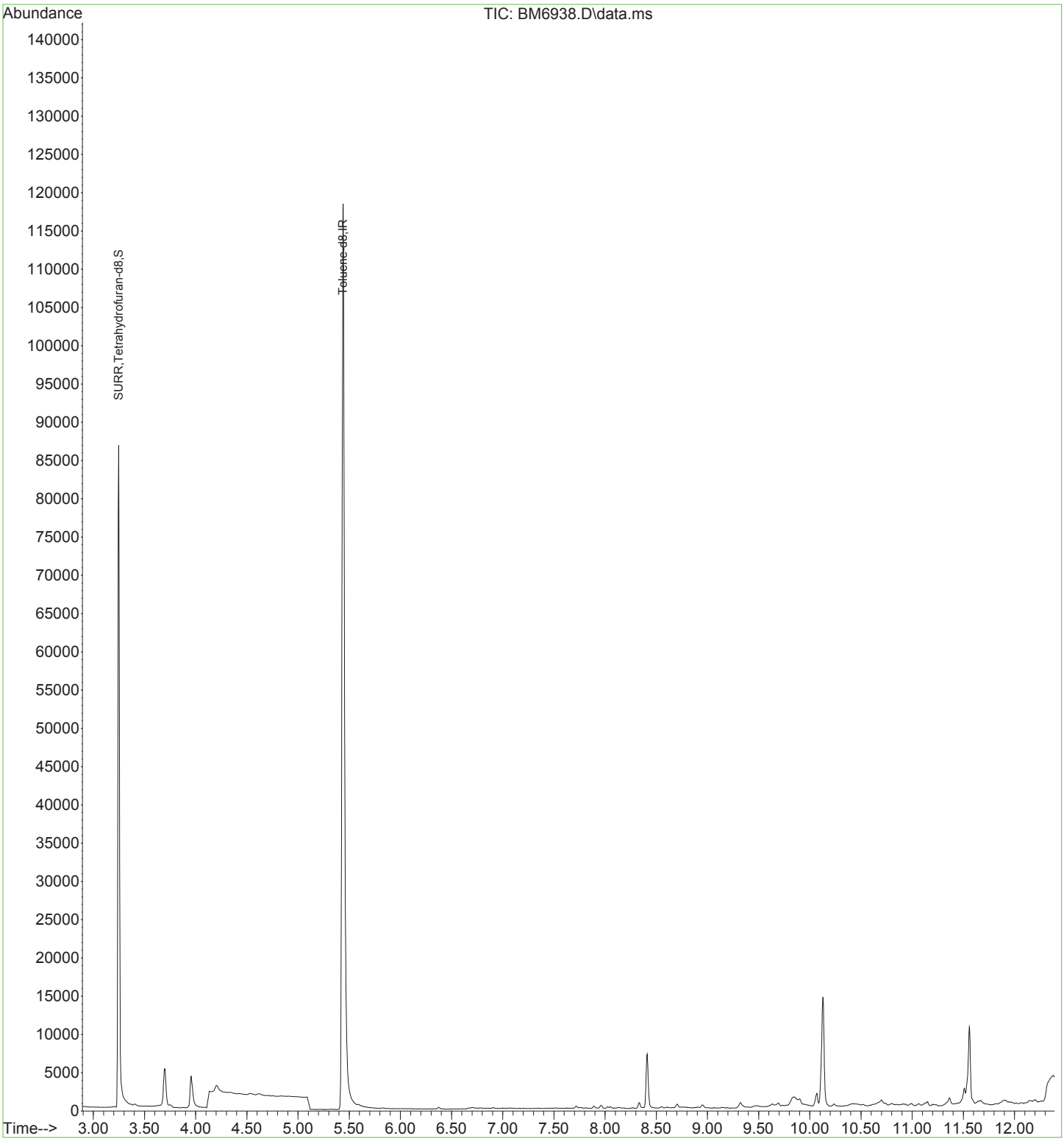
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.438	98	125970	100.00	ppb	-0.14
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.247	46	41768	118.32	ppb	-0.04
Spiked Amount 100.000	Range 70 - 130		Recovery = 118.32%			
Target Compounds						Qvalue
2) 1,4-Dioxane	0.000		0	N.D.	d	

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

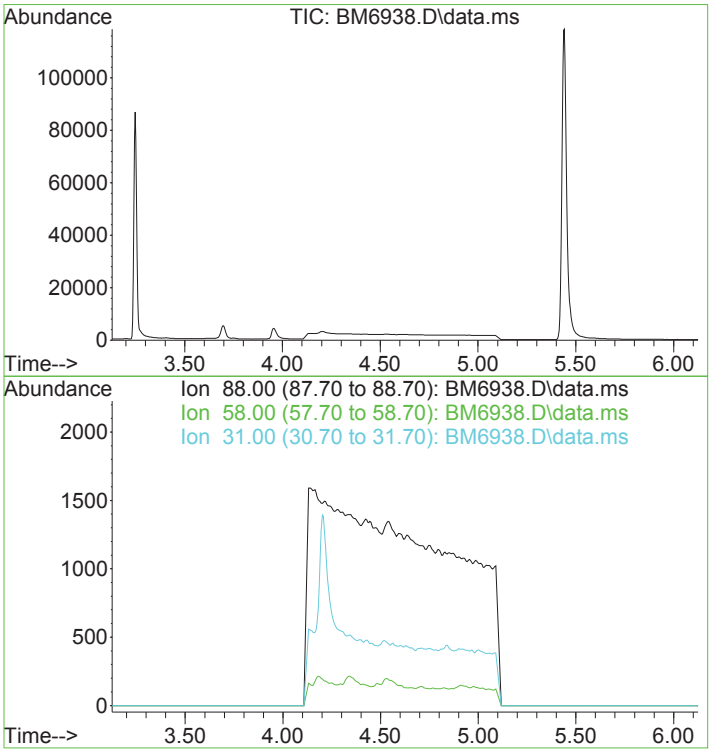
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6938.D
Acq On : 23 Sep 2024 04:31 pm
Operator : KProcopio
Sample : R2409108-015
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 08:12:21 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration



1st 09/25/24
2nd 09/25/24



#2
1,4-Dioxane
Concen: N.D.
Expected RT: 4.63 min

Lab File: BM6938.D
Acq: 23 Sep 2024 04:31 pm

Tgt Ion: 88

Sig	Exp Ratio
88	100
58	67.0
31	30.4

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6939.D
Acq On : 23 Sep 2024 04:48 pm
Operator : KProcopio
Sample : R2409108-017
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 08:12:23 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

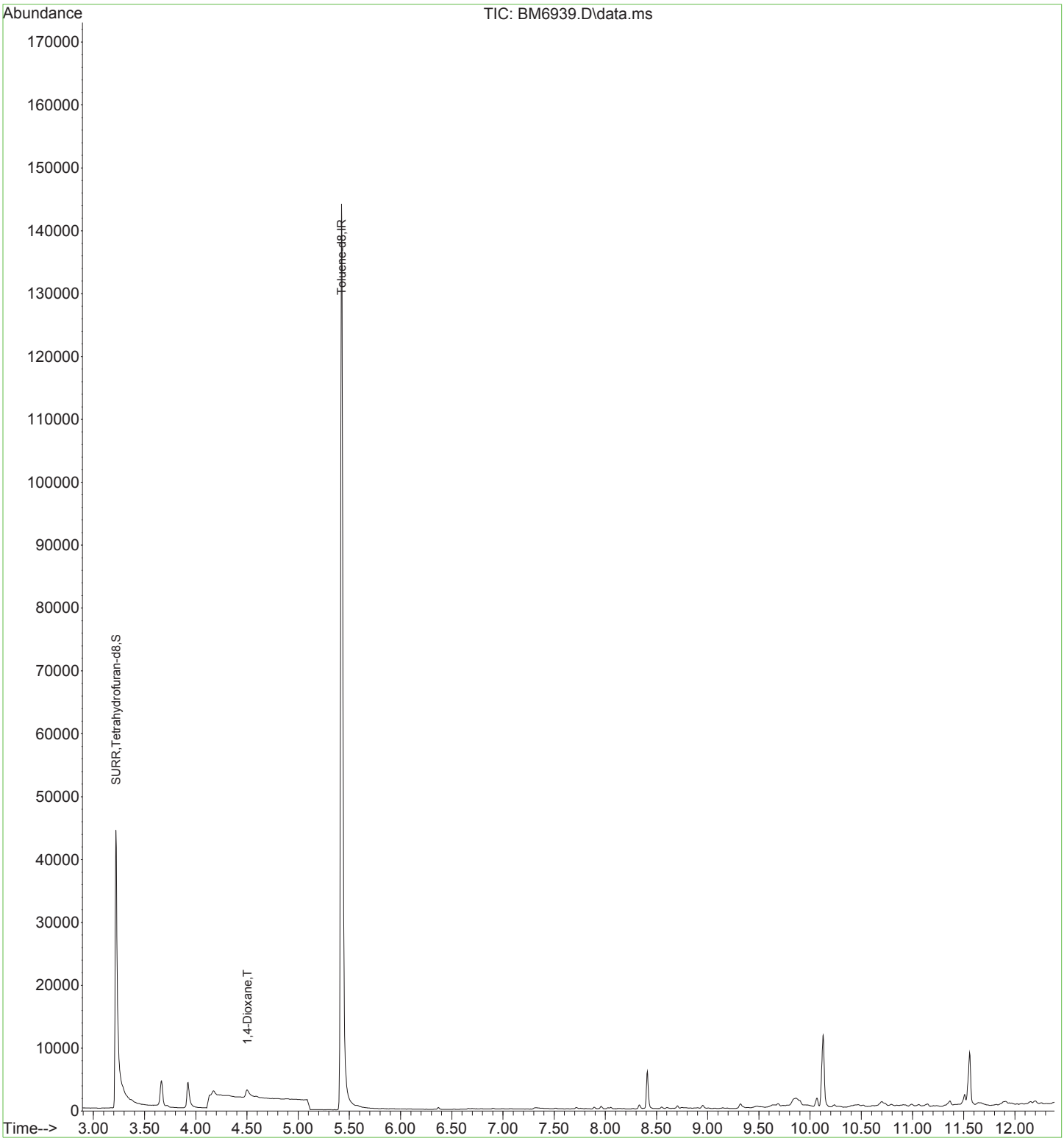
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.424	98	138993	100.00	ppb	-0.16
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.220	46	35935	92.26	ppb	-0.07
Spiked Amount 100.000	Range 70 - 130		Recovery = 92.26%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.505	88	1690	4.448	ppb	94

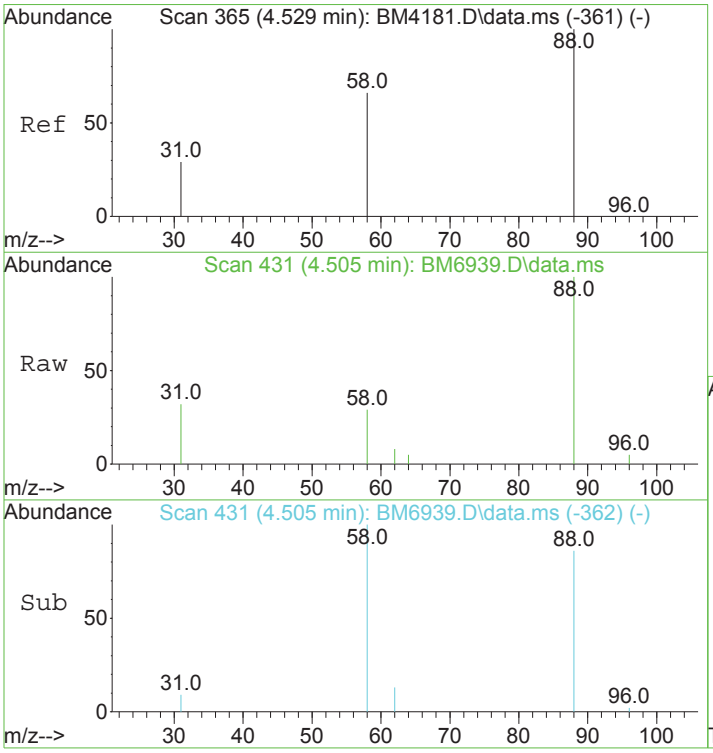
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6939.D
Acq On : 23 Sep 2024 04:48 pm
Operator : KProcopio
Sample : R2409108-017
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 08:12:23 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

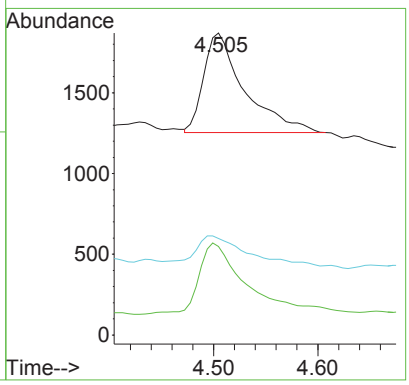




#2
1,4-Dioxane
Concen: 4.45 ppb
RT: 4.505 min Scan# 431
Delta R.T. -0.121 min
Lab File: BM6939.D
Acq: 23 Sep 2024 04:48 pm

Tgt Ion: 88 Resp: 1690

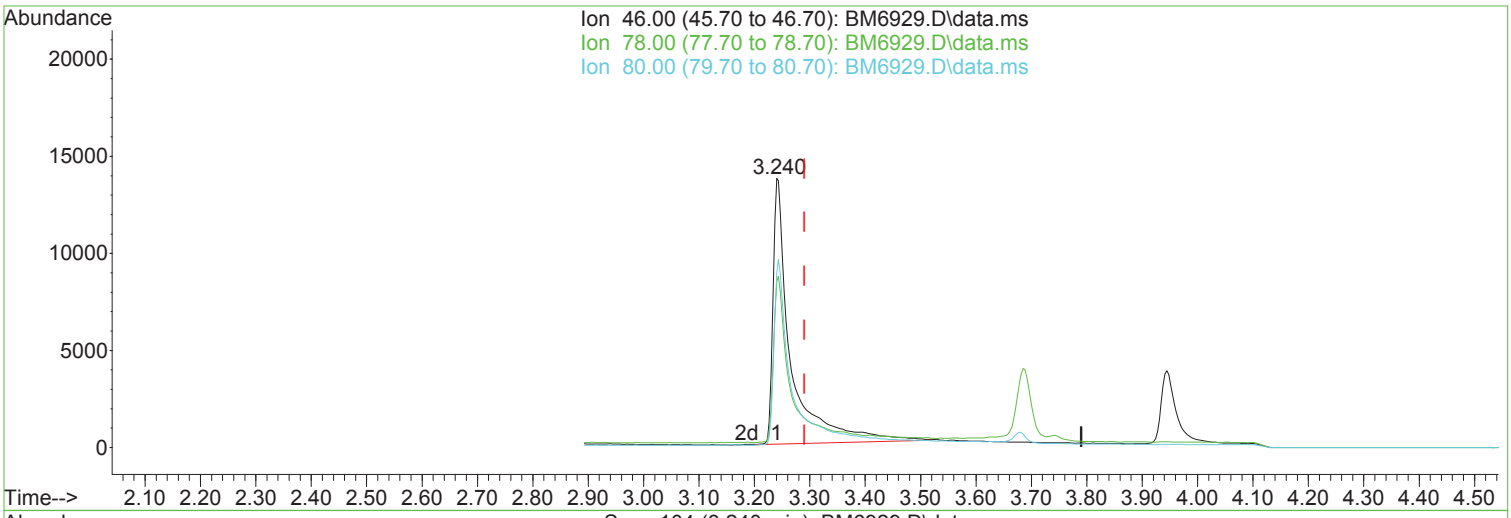
Ion	Ratio	Lower	Upper
88	100		
58	64.1	47.0	87.0
31	24.6	10.4	50.4

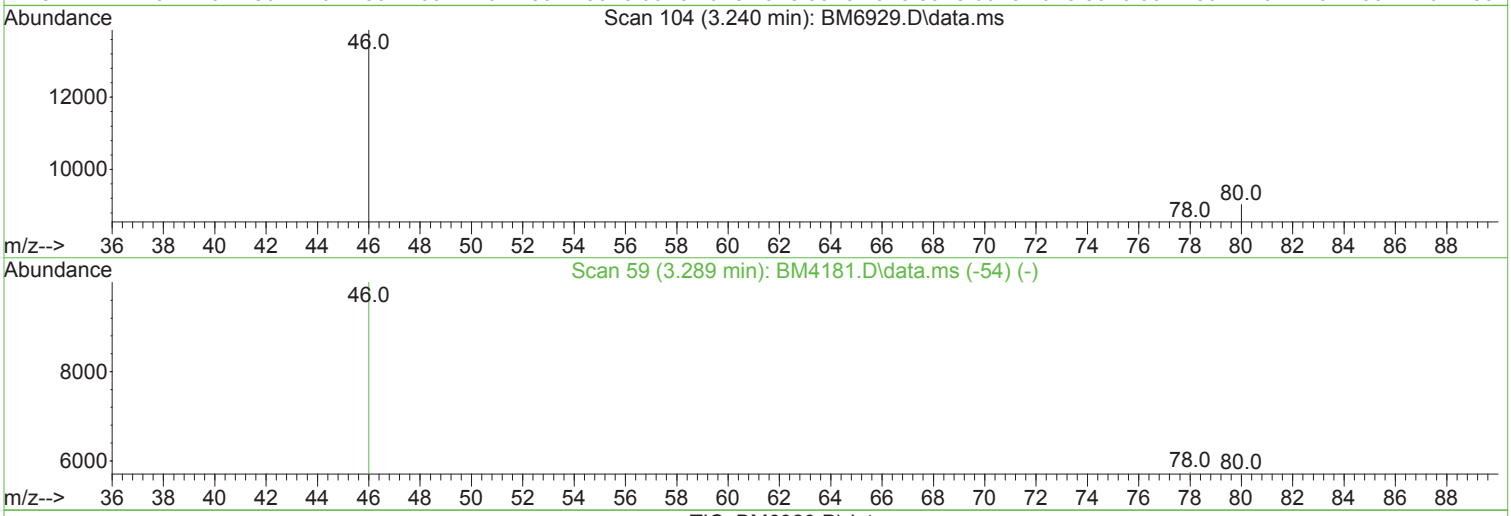


1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6929.D
Acq On : 23 Sep 2024 01:54 pm
Operator : KProcopio
Sample : RQ2411921-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 08:12:03 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration





TIC: BM6929.D\data.ms

(3) SURR,Tetrahydrofuran-d8 (S)

3.240min (-0.050) 87.58 ppb m

response 31027

Ion	Exp%	Act%
46.00	100.00	100.00
78.00	59.10	61.70
80.00	65.00	65.14
0.00	0.00	0.00

Manual Integration:

After

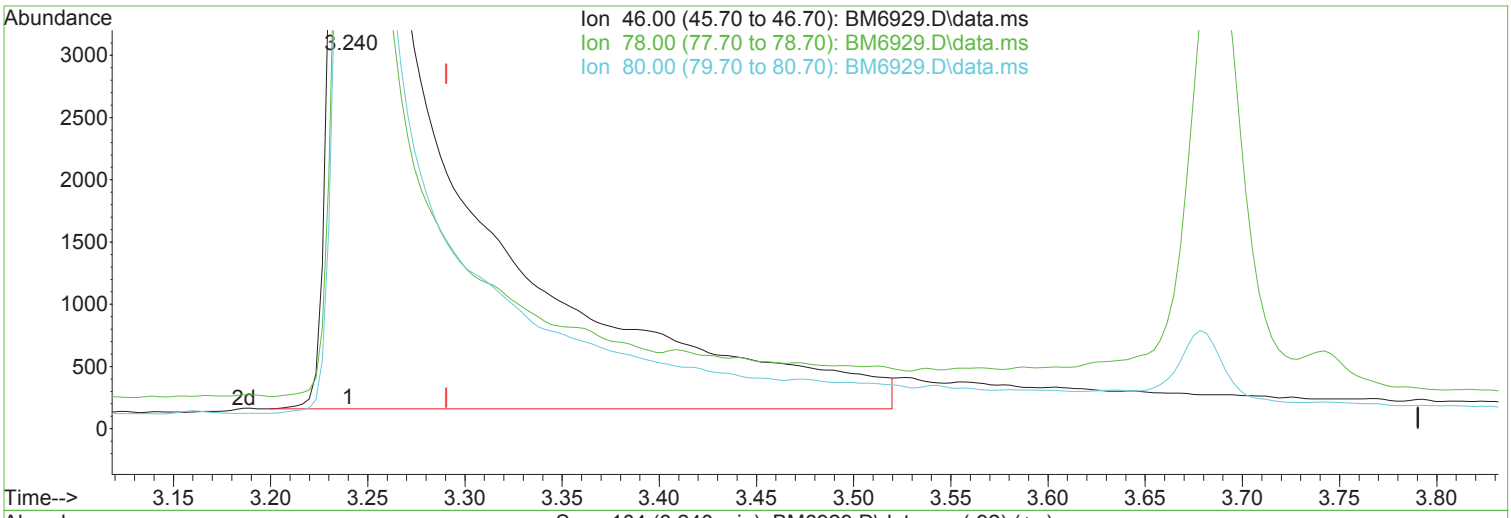
Poor integration.

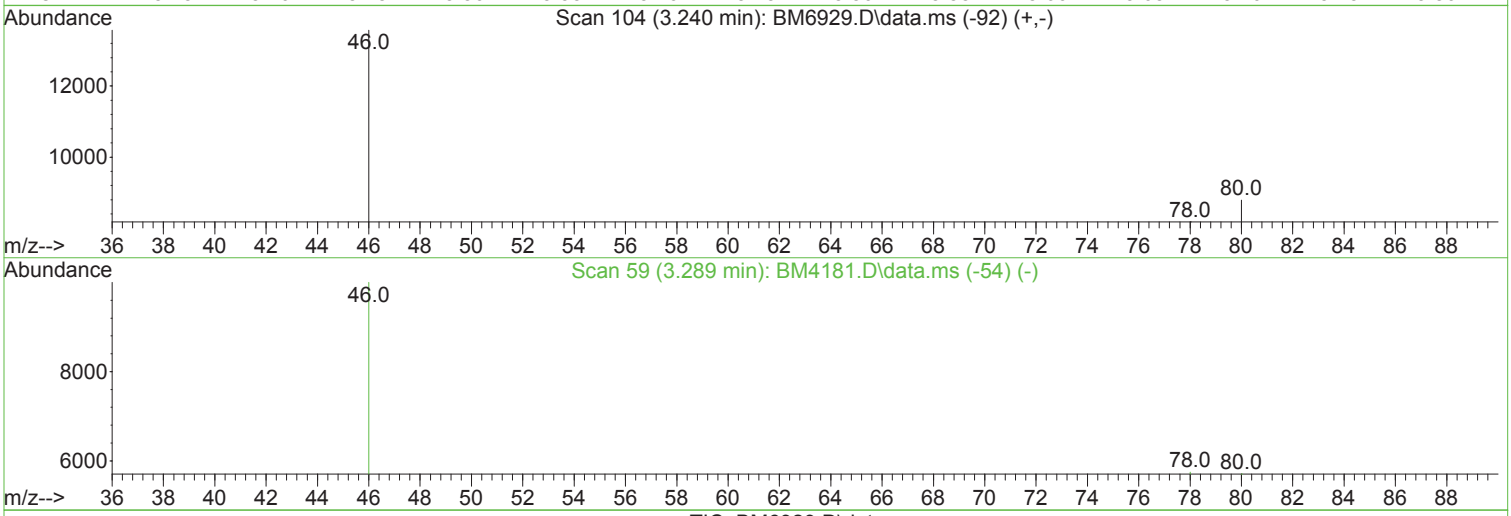
09/24/24

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6929.D
Acq On : 23 Sep 2024 01:54 pm
Operator : KProcopio
Sample : RQ2411921-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 08:12:03 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration





TIC: BM6929.D\data.ms

(3) SURR,Tetrahydrofuran-d8 (S)

3.240min (-0.050) 93.43 ppb

response 33101

Ion	Exp%	Act%
46.00	100.00	100.00
78.00	59.10	60.26
80.00	65.00	64.75
0.00	0.00	0.00

Manual Integration:

Before

09/24/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6929.D
Acq On : 23 Sep 2024 01:54 pm
Operator : KProcopio
Sample : RQ2411921-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 08:12:03 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

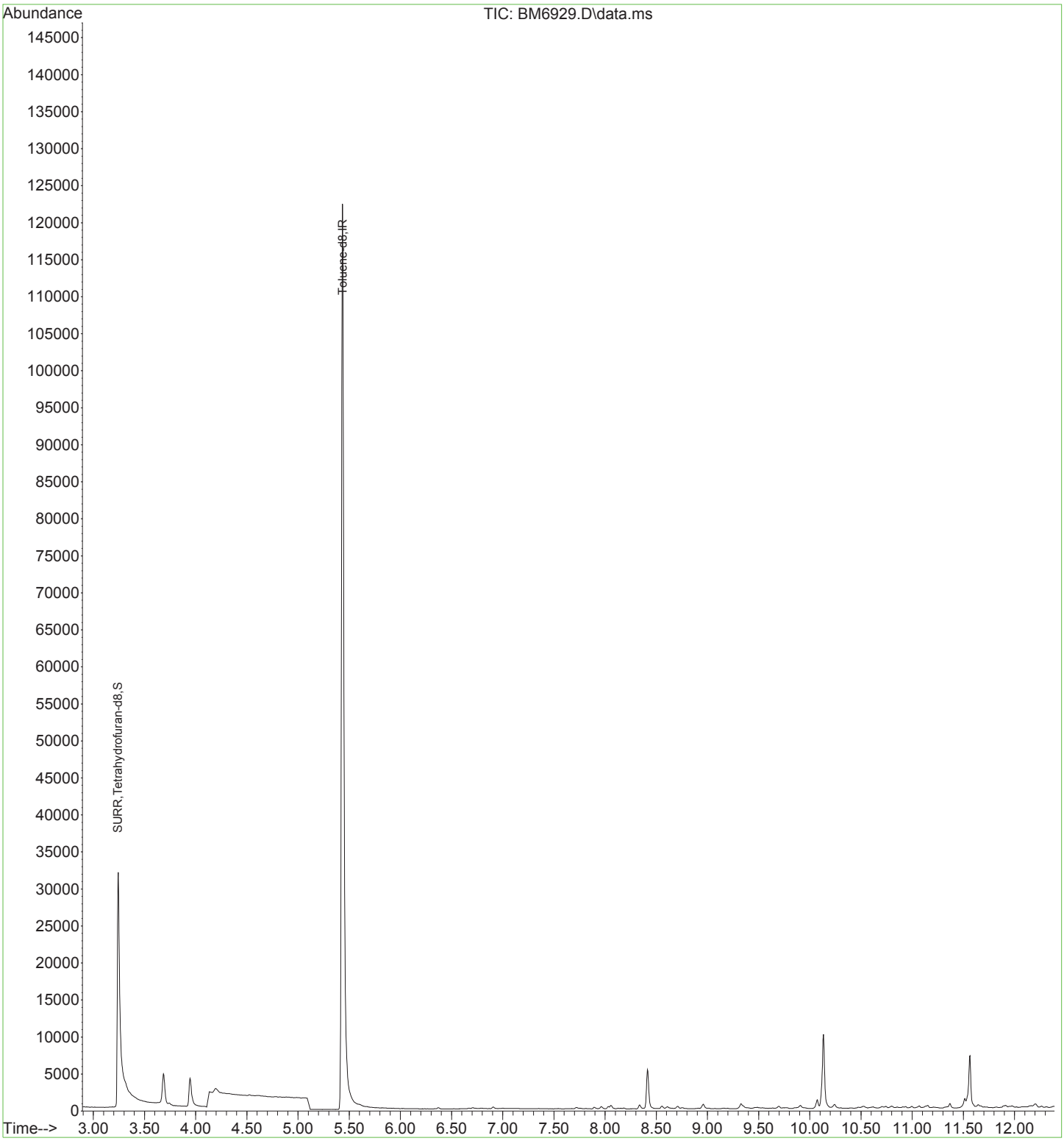
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.434	98	126423	100.00	ppb	-0.15
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.240	46	31027m	87.58	ppb	-0.05
Spiked Amount 100.000	Range 70 - 130		Recovery = 87.58%			
Target Compounds						Qvalue
2) 1,4-Dioxane	0.000		0	N.D.	d	

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

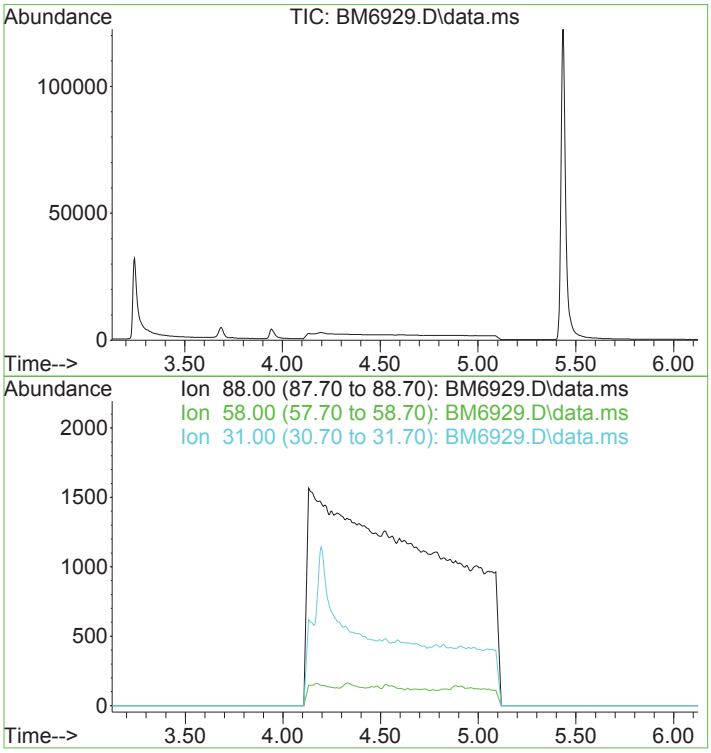
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6929.D
Acq On : 23 Sep 2024 01:54 pm
Operator : KProcopio
Sample : RQ2411921-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 08:12:03 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration



1st 09/25/24
2nd 09/25/24



#2
1,4-Dioxane
Concen: N.D.
Expected RT: 4.63 min

Lab File: BM6929.D
Acq: 23 Sep 2024 01:54 pm

Tgt Ion: 88

Sig	Exp Ratio
88	100
58	67.0
31	30.4

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6956.D
Acq On : 24 Sep 2024 01:56 pm
Operator : KProcopio
Sample : RQ2412014-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 09:31:53 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

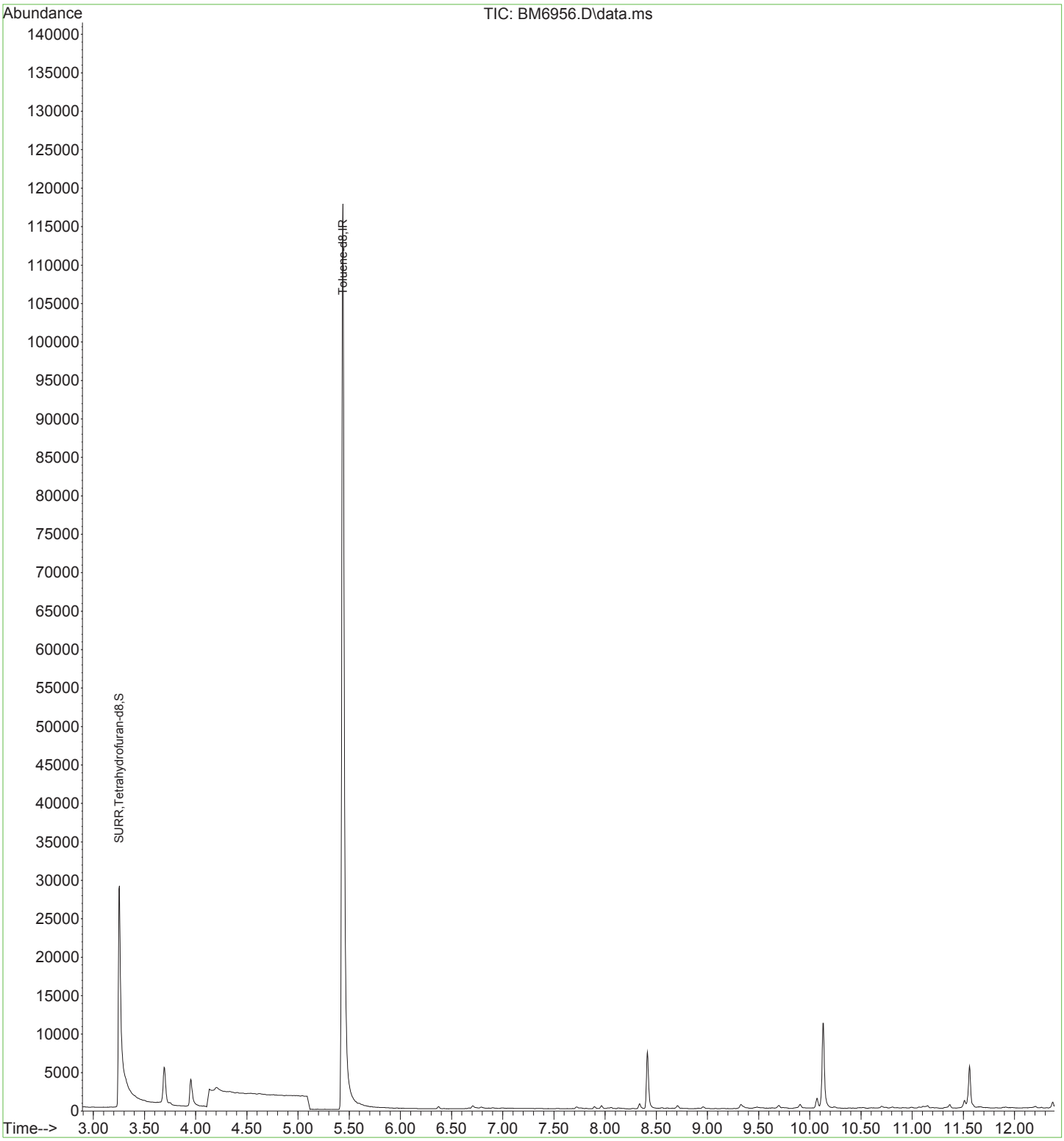
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.438	98	123328	100.00	ppb	-0.14
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.250	46	28098	81.30	ppb	-0.04
Spiked Amount 100.000	Range 70 - 130		Recovery = 81.30%			
Target Compounds						Qvalue
2) 1,4-Dioxane	0.000		0	N.D.	d	

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

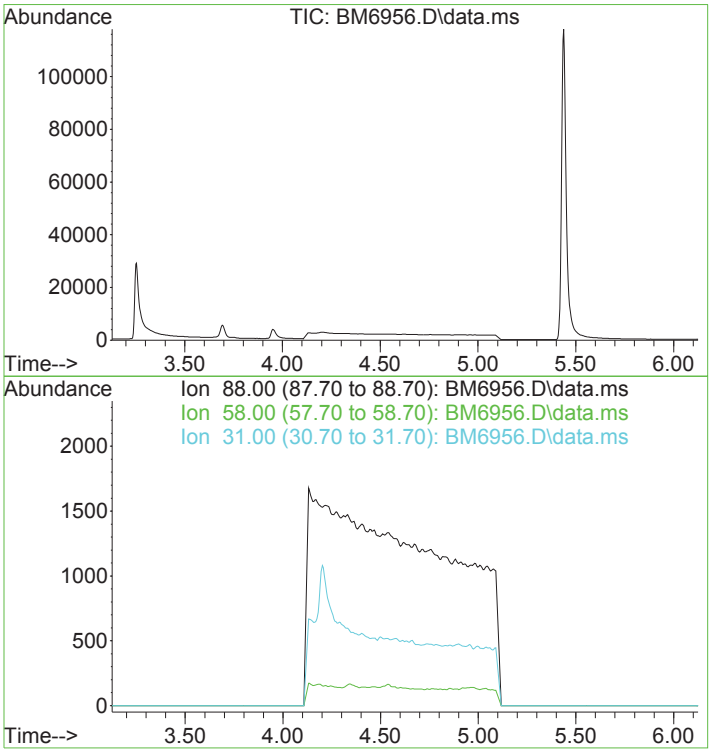
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6956.D
Acq On : 24 Sep 2024 01:56 pm
Operator : KProcopio
Sample : RQ2412014-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 25 09:31:53 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration



1st 09/25/24
2nd 09/25/24



#2
1,4-Dioxane
Concen: N.D.
Expected RT: 4.63 min

Lab File: BM6956.D
Acq: 24 Sep 2024 01:56 pm

Tgt Ion: 88

Sig	Exp Ratio
88	100
58	67.0
31	30.4

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6930.D
Acq On : 23 Sep 2024 02:12 pm
Operator : KProcopio
Sample : RQ2411921-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 08:12:05 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

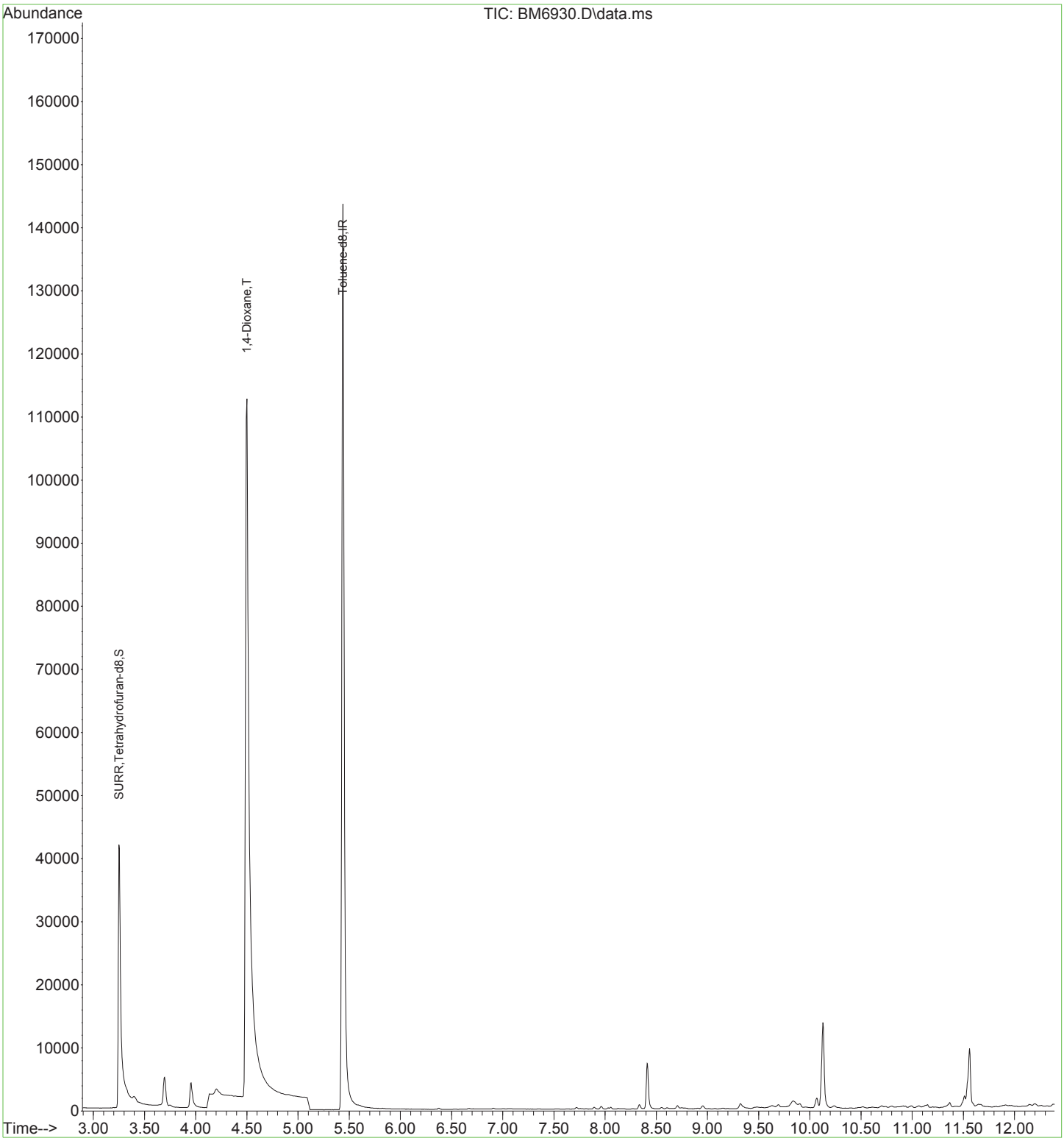
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.438	98	140771	100.00	ppb	-0.14
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.250	46	34190	86.67	ppb	-0.04
Spiked Amount 100.000	Range 70 - 130		Recovery = 86.67%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.499	88	159445	414.360	ppb	97

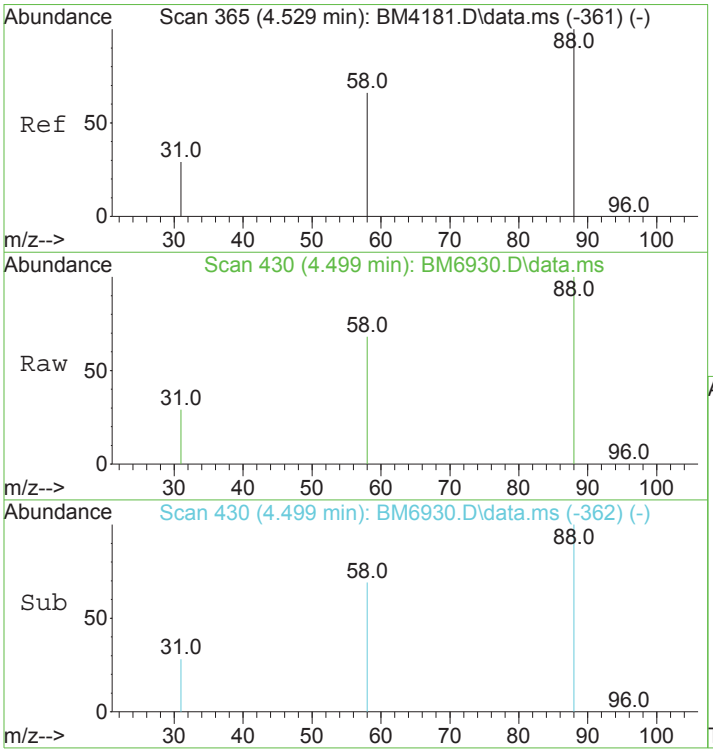
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6930.D
Acq On : 23 Sep 2024 02:12 pm
Operator : KProcopio
Sample : RQ2411921-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 08:12:05 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

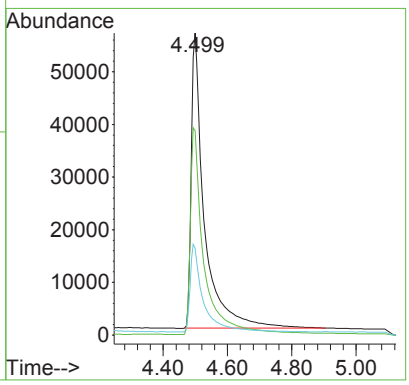




#2
1,4-Dioxane
Concen: 414.36 ppb
RT: 4.499 min Scan# 430
Delta R.T. -0.127 min
Lab File: BM6930.D
Acq: 23 Sep 2024 02:12 pm

Tgt Ion: 88 Resp: 159445

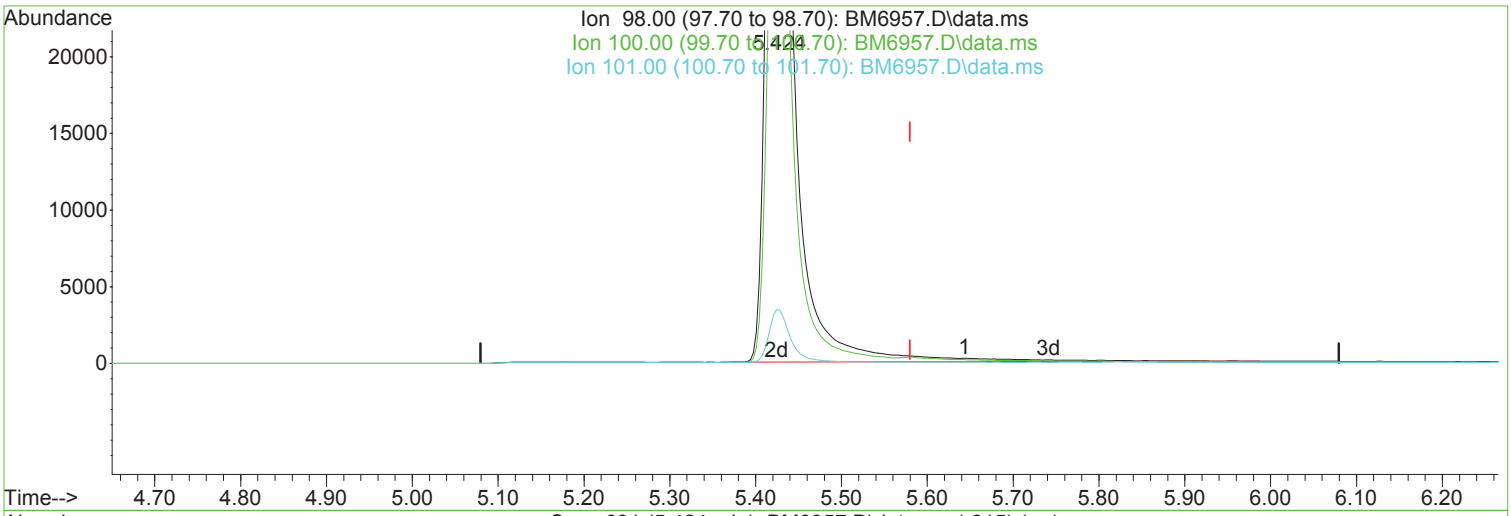
Ion	Ratio	Lower	Upper
88	100		
58	68.7	47.0	87.0
31	28.2	10.4	50.4

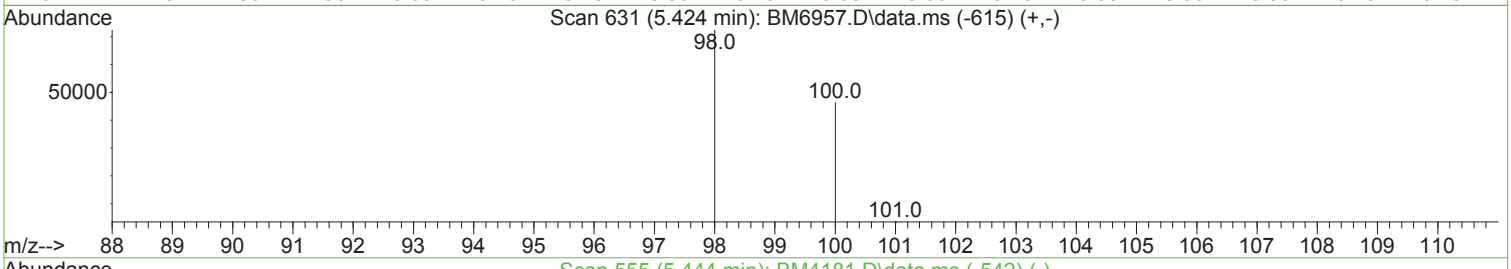


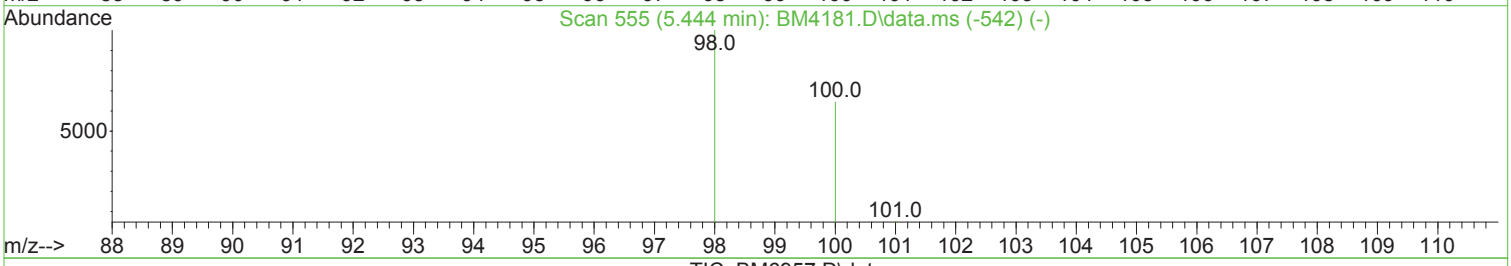
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6957.D
Acq On : 24 Sep 2024 02:14 pm
Operator : KProcopio
Sample : RQ2412014-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 09:31:55 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration







TIC: BM6957.D\data.ms

(1) Toluene-d8 (IR)

5.424min (-0.156) 100.00 ppb m

response 129355

Ion	Exp%	Act%
98.00	100.00	100.00
100.00	65.10	63.91
101.00	4.90	4.86
0.00	0.00	0.00

Manual Integration:

After

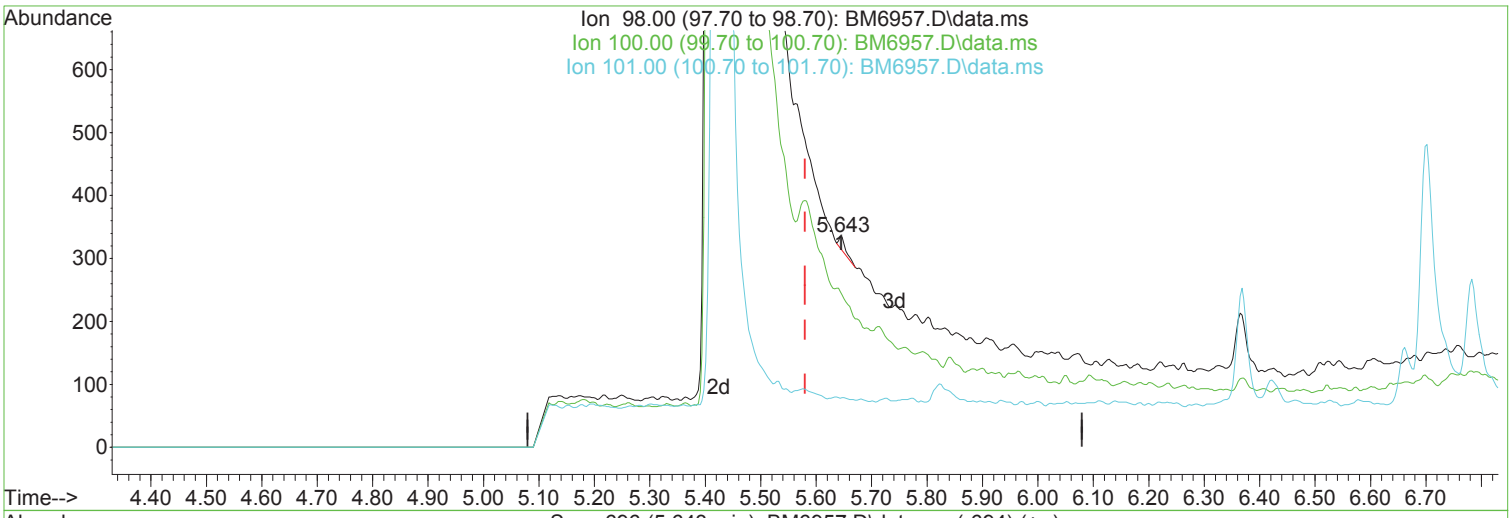
Poor integration.

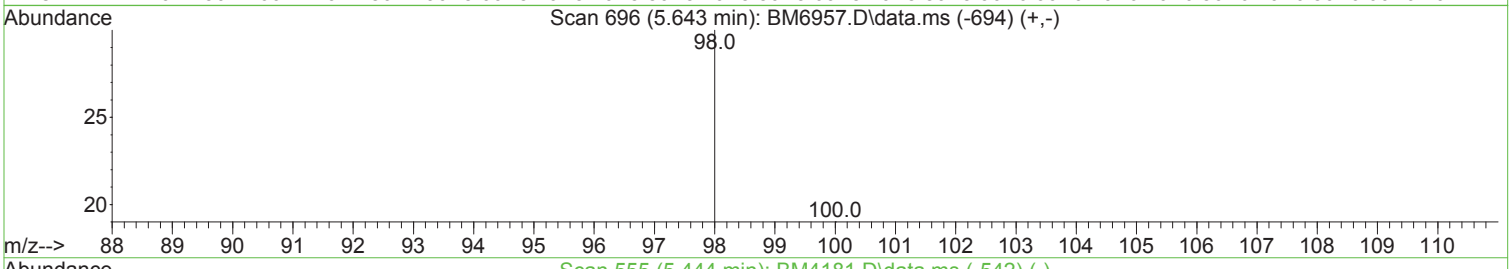
09/25/24

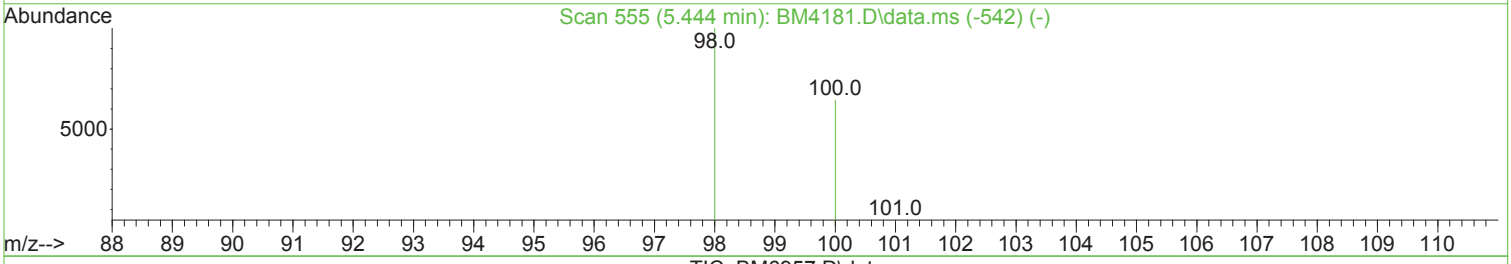
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6957.D
Acq On : 24 Sep 2024 02:14 pm
Operator : KProcopio
Sample : RQ2412014-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 09:31:55 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration







TIC: BM6957.D\data.ms

(1) Toluene-d8 (IR)

5.643min (+ 0.063) 100.00 ppb

response 13

Ion	Exp%	Act%
98.00	100.00	100.00
100.00	65.10	65.00
101.00	4.90	1.67
0.00	0.00	0.00

Manual Integration:

Before

09/25/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6957.D
Acq On : 24 Sep 2024 02:14 pm
Operator : KProcopio
Sample : RQ2412014-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 09:31:55 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

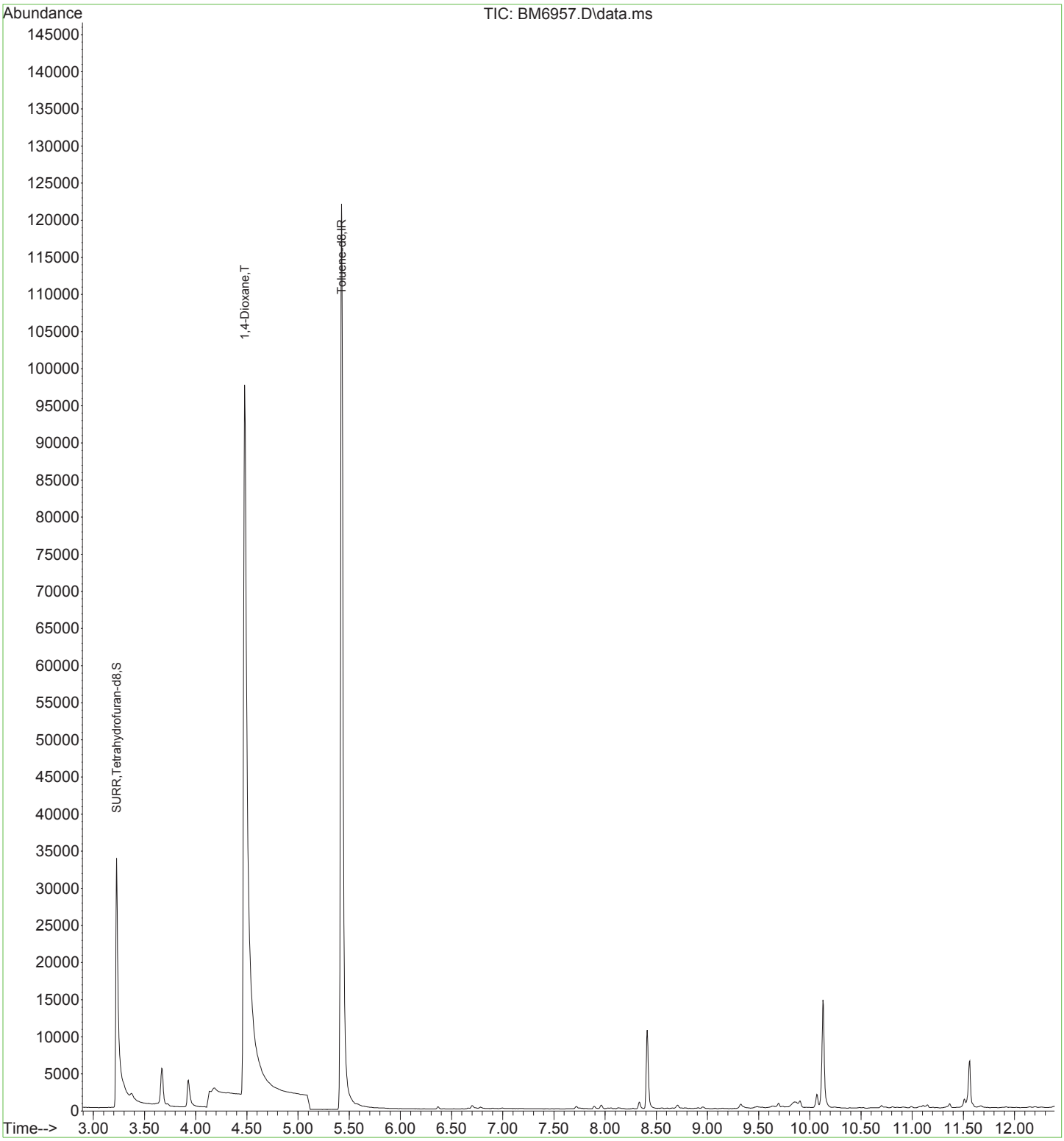
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.424	98	129355m	100.00	ppb	-0.16
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.227	46	29565	81.56	ppb	-0.06
Spiked Amount 100.000	Range 70 - 130		Recovery = 81.56%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.478	88	144664	409.126	ppb	95

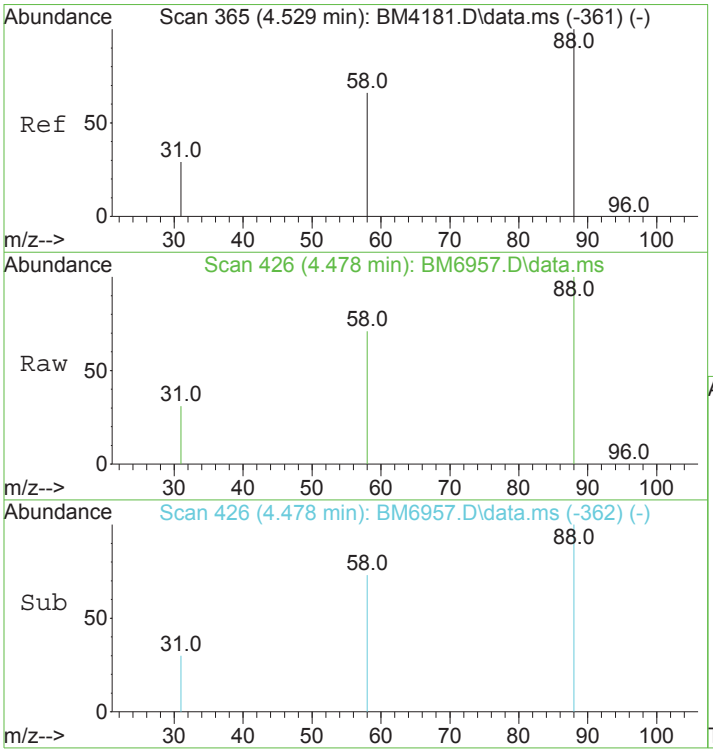
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6957.D
Acq On : 24 Sep 2024 02:14 pm
Operator : KProcopio
Sample : RQ2412014-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 09:31:55 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

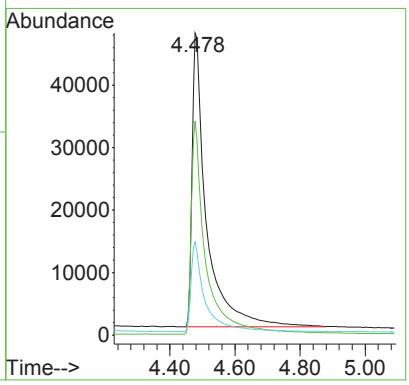




#2
1,4-Dioxane
Concen: 409.13 ppb
RT: 4.478 min Scan# 426
Delta R.T. -0.148 min
Lab File: BM6957.D
Acq: 24 Sep 2024 02:14 pm

Tgt Ion: 88 Resp: 144664

Ion	Ratio	Lower	Upper
88	100		
58	72.4	47.0	87.0
31	30.5	10.4	50.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6931.D
Acq On : 23 Sep 2024 02:29 pm
Operator : KProcopio
Sample : RQ2411921-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 08:12:07 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

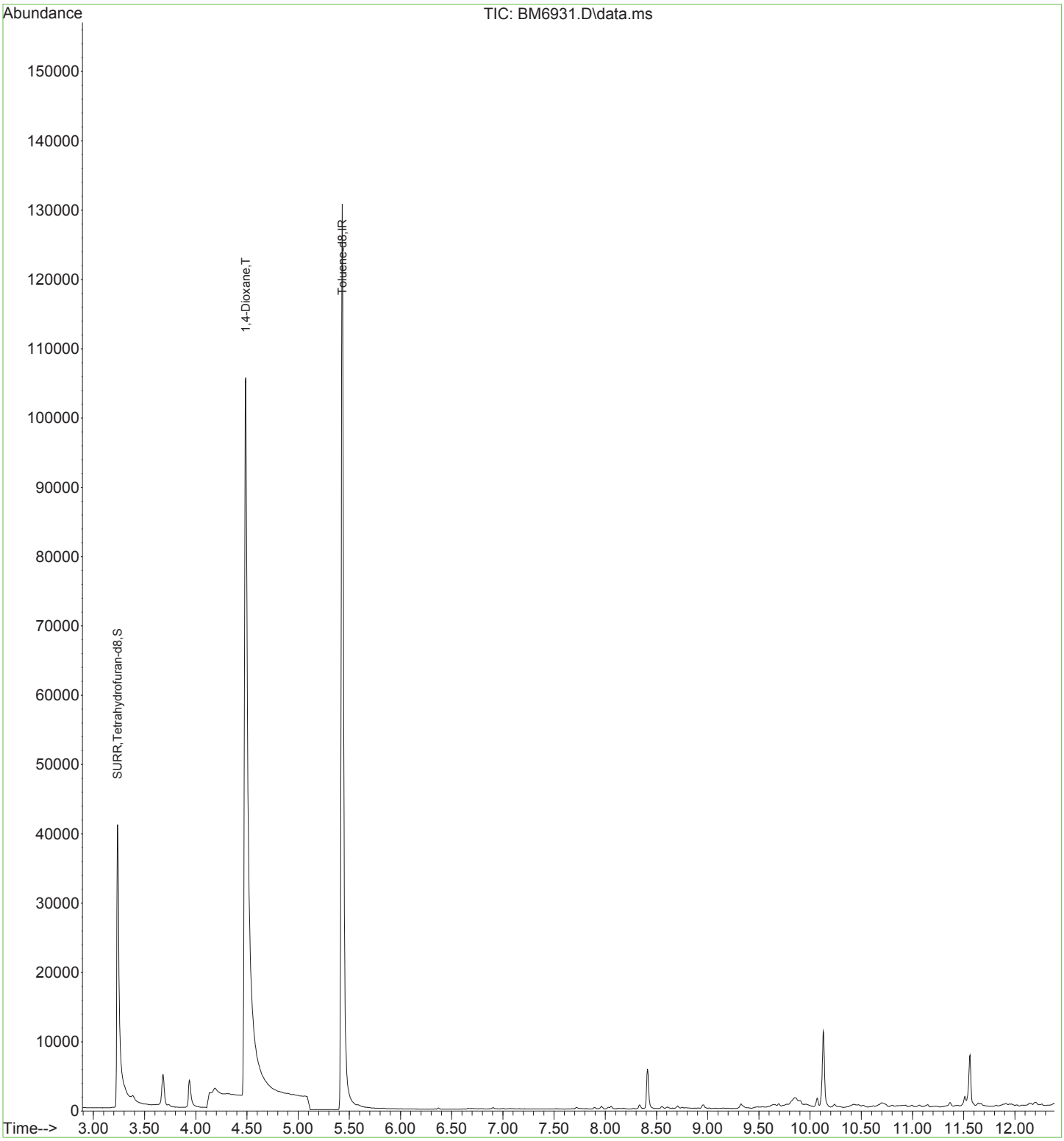
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.431	98	129171	100.00	ppb	-0.15
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.237	46	32926	90.96	ppb	-0.05
Spiked Amount 100.000	Range 70 - 130		Recovery = 90.96%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.488	88	147278	417.112	ppb	98

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

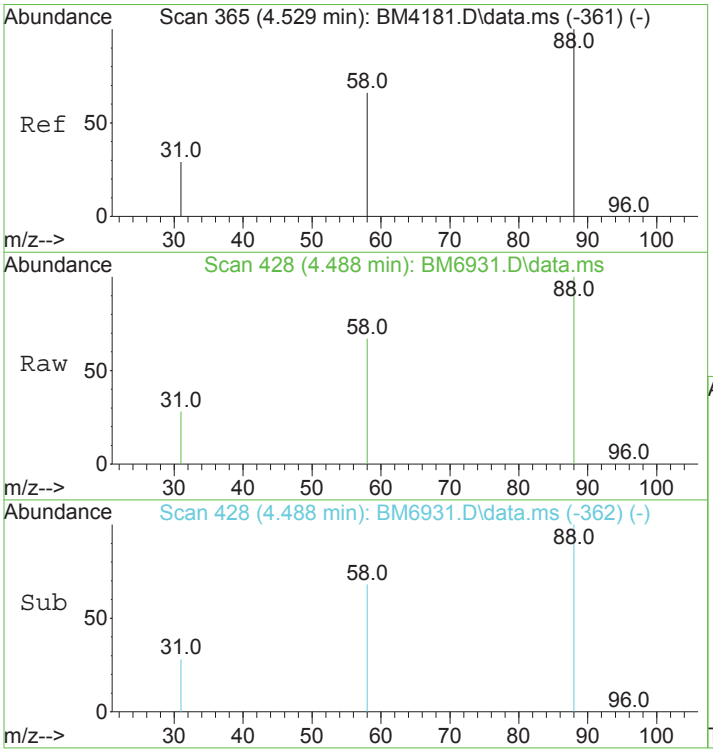
1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6931.D
Acq On : 23 Sep 2024 02:29 pm
Operator : KProcopio
Sample : RQ2411921-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 08:12:07 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration



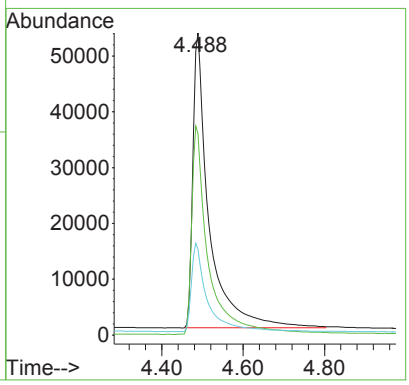
1st 09/25/24
2nd 09/25/24



#2
1,4-Dioxane
Concen: 417.11 ppb
RT: 4.488 min Scan# 428
Delta R.T. -0.137 min
Lab File: BM6931.D
Acq: 23 Sep 2024 02:29 pm

Tgt Ion: 88 Resp: 147278

Ion	Ratio	Lower	Upper
88	100		
58	67.7	47.0	87.0
31	27.9	10.4	50.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6958.D
Acq On : 24 Sep 2024 02:31 pm
Operator : KProcopio
Sample : RQ2412014-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 09:31:57 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

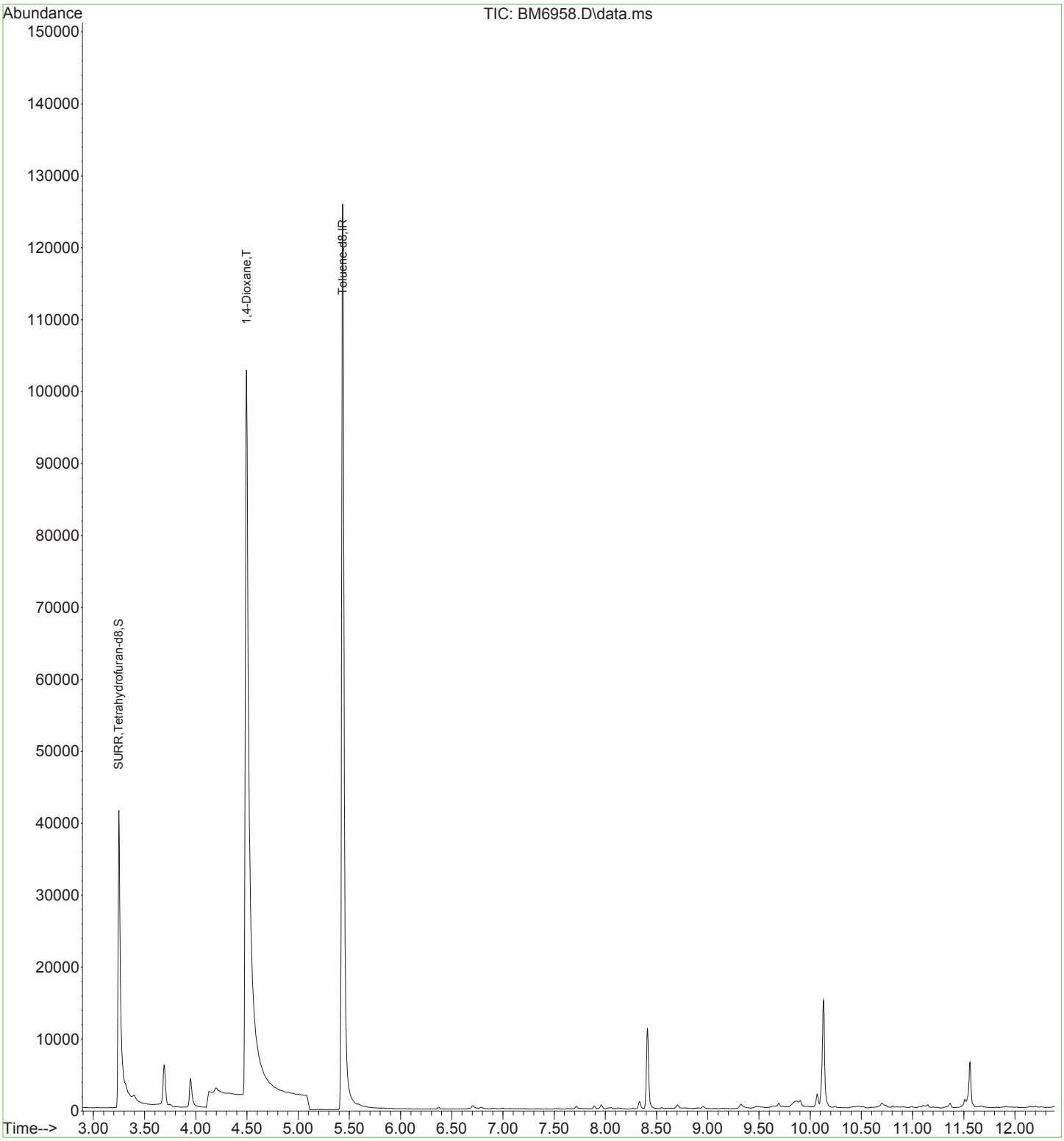
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.434	98	131165	100.00	ppb	-0.15
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.247	46	33513	91.18	ppb	-0.04
Spiked Amount 100.000	Range 70 - 130		Recovery = 91.18%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.496	88	148569	414.372	ppb	96

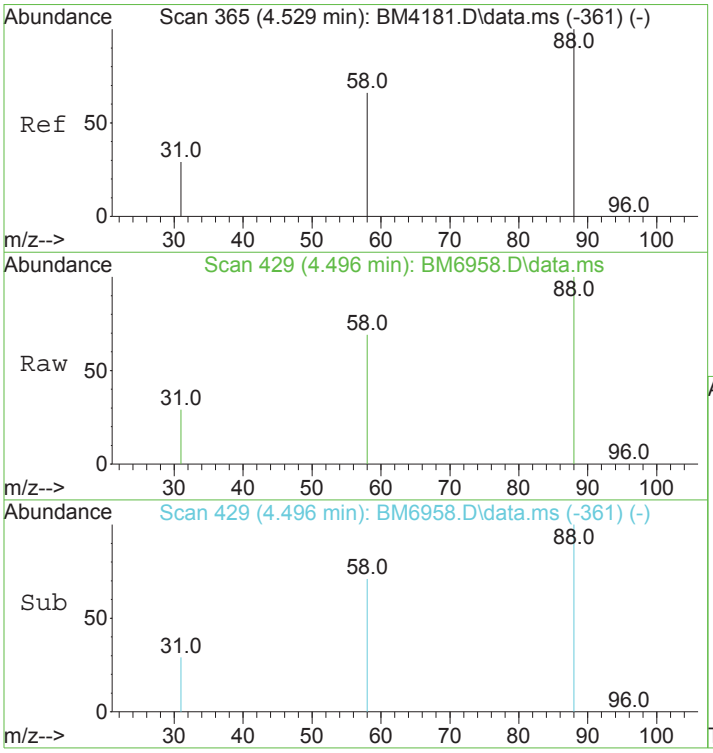
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6958.D
Acq On : 24 Sep 2024 02:31 pm
Operator : KProcopio
Sample : RQ2412014-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 09:31:57 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

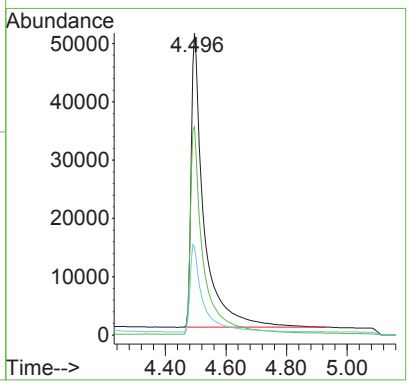




#2
1,4-Dioxane
Concen: 414.37 ppb
RT: 4.496 min Scan# 429
Delta R.T. -0.130 min
Lab File: BM6958.D
Acq: 24 Sep 2024 02:31 pm

Tgt Ion: 88 Resp: 148569

Ion	Ratio	Lower	Upper
88	100		
58	70.3	47.0	87.0
31	29.1	10.4	50.4



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6928.D
Acq On : 23 Sep 2024 12:28 pm
Operator : KProcopio
Sample : 500ppb ccv
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:04:22 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

Min. RRF : 0.050 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	IR	Toluene-d8	100.000	100.000	0.0	165	-0.15
2	T	1,4-Dioxane	500.000	515.997	-3.2	169	-0.14
3	S	SURR,Tetrahydrofuran-d8	500.000	558.302	-11.7	206	-0.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6928.D
Acq On : 23 Sep 2024 12:28 pm
Operator : KProcopio
Sample : 500ppb ccv
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:04:22 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

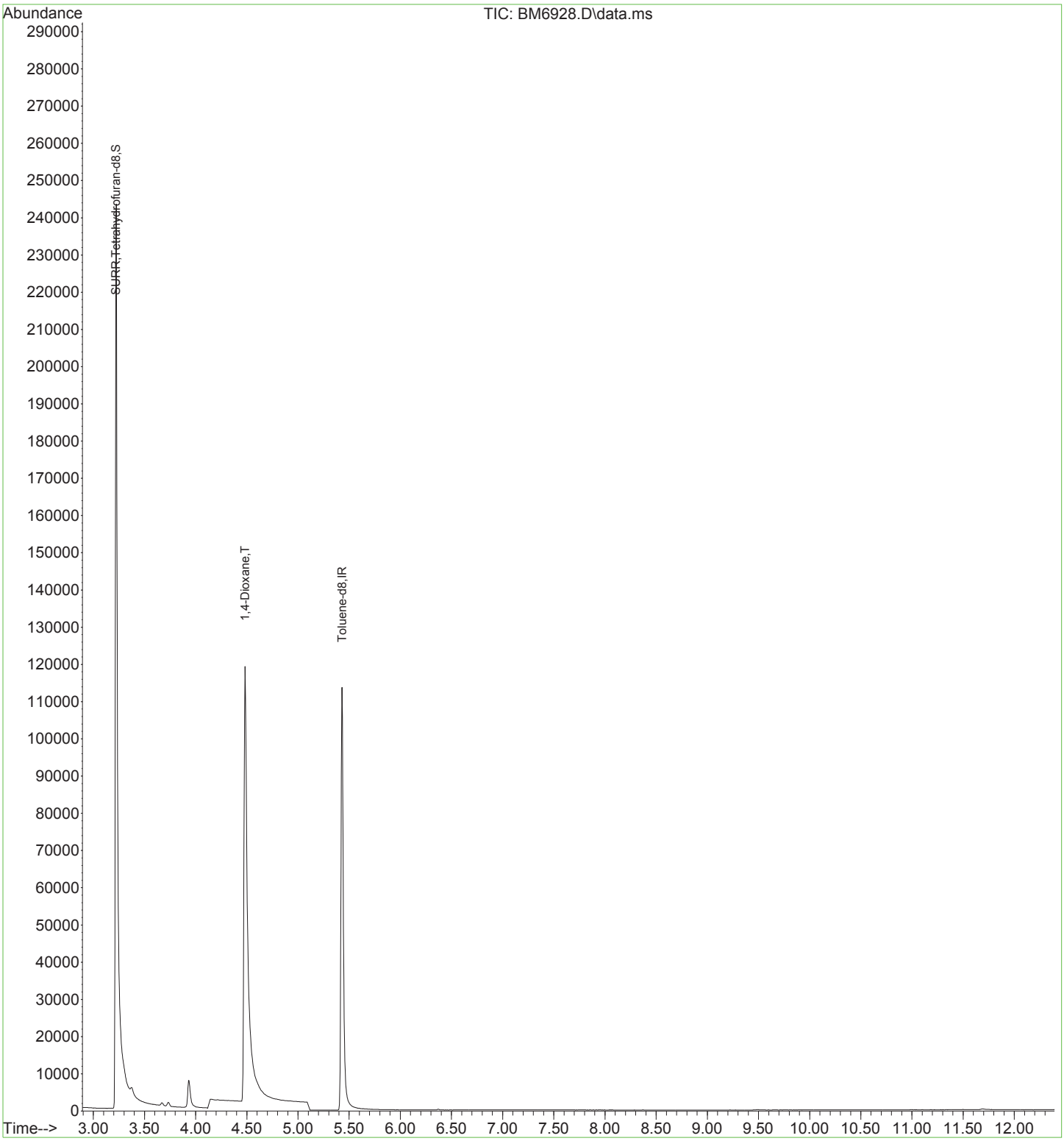
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.430	98	112210	100.00	ppb	-0.15
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.220	46	175553	558.30	ppb	-0.07
Spiked Amount 100.000	Range 70 - 130		Recovery = 558.30%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.482	88	158270	515.997	ppb	96

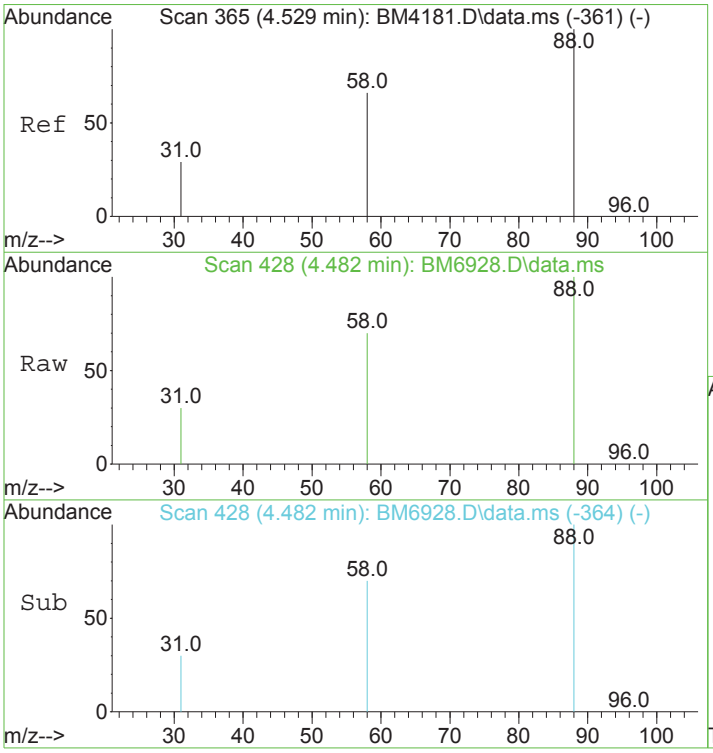
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6928.D
Acq On : 23 Sep 2024 12:28 pm
Operator : KProcopio
Sample : 500ppb ccv
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:04:22 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

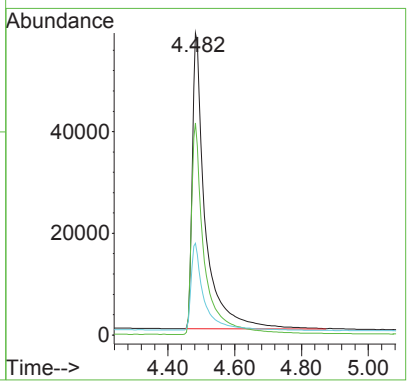




#2
1,4-Dioxane
Concen: 516.00 ppb
RT: 4.482 min Scan# 428
Delta R.T. -0.144 min
Lab File: BM6928.D
Acq: 23 Sep 2024 12:28 pm

Tgt Ion: 88 Resp: 158270

Ion	Ratio	Lower	Upper
88	100		
58	71.4	47.0	87.0
31	29.4	10.4	50.4



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6955.D
Acq On : 24 Sep 2024 01:37 pm
Operator : KProcopio
Sample : 500PPB CCV
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 13:52:47 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

Min. RRF : 0.050 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	IR	Toluene-d8	100.000	100.000	0.0	170	-0.16
2	T	1,4-Dioxane	500.000	507.021	-1.4	171	-0.16
3	S	SURR,Tetrahydrofuran-d8	500.000	547.195	-9.4	208	-0.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6955.D
Acq On : 24 Sep 2024 01:37 pm
Operator : KProcopio
Sample : 500PPB CCV
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 13:52:47 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

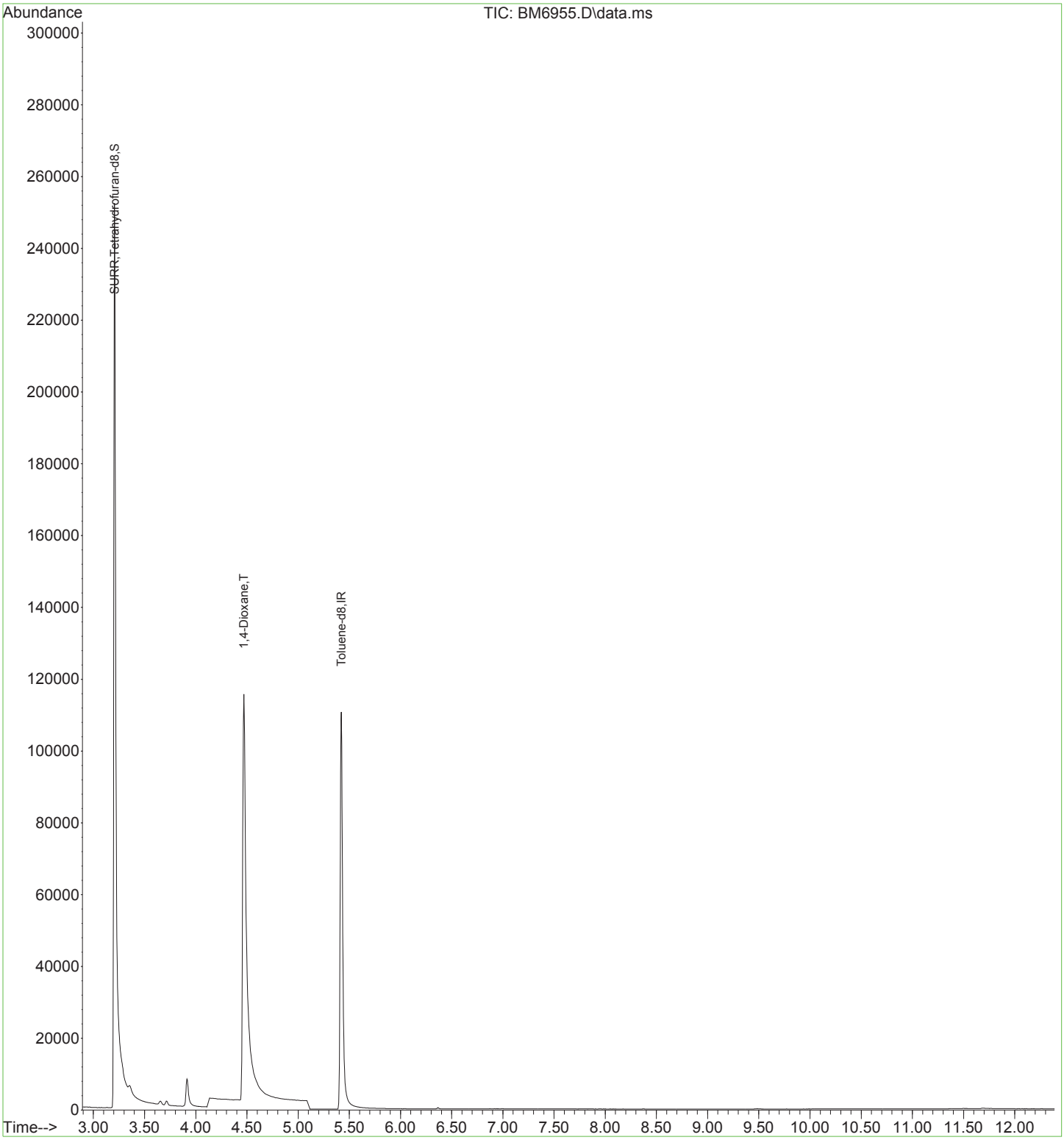
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.422	98	115576	100.00	ppb	-0.16
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.207	46	177222	547.20	ppb	-0.08
Spiked Amount 100.000	Range 70 - 130		Recovery = 547.20%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.470	88	160182	507.021	ppb	97

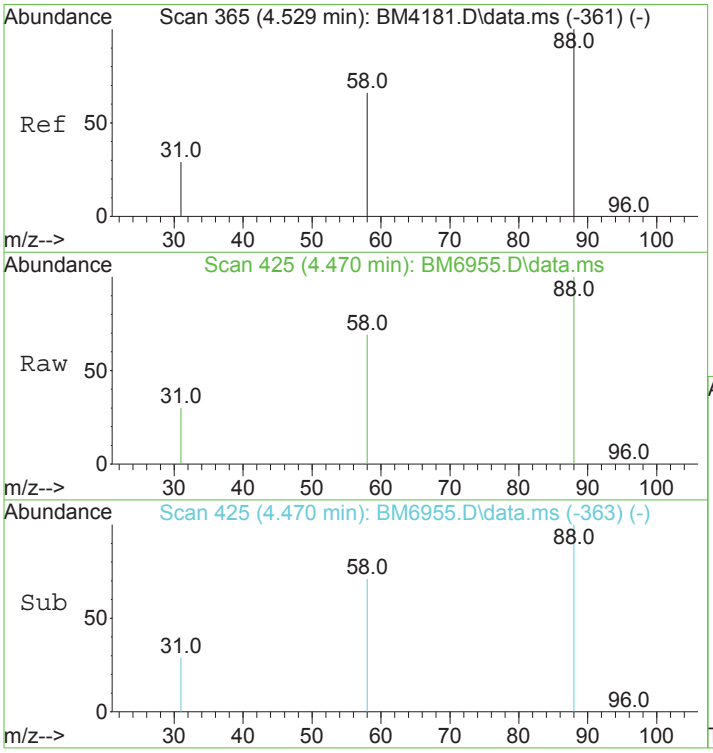
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6955.D
Acq On : 24 Sep 2024 01:37 pm
Operator : KProcopio
Sample : 500PPB CCV
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 13:52:47 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

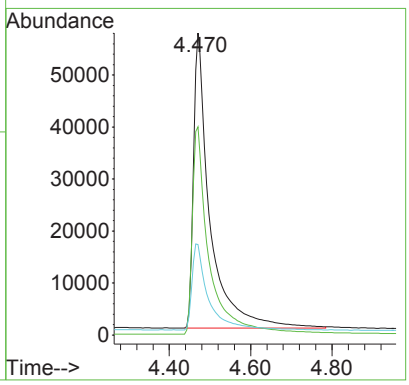




#2
1,4-Dioxane
Concen: 507.02 ppb
RT: 4.470 min Scan# 425
Delta R.T. -0.156 min
Lab File: BM6955.D
Acq: 24 Sep 2024 01:37 pm

Tgt Ion: 88 Resp: 160182

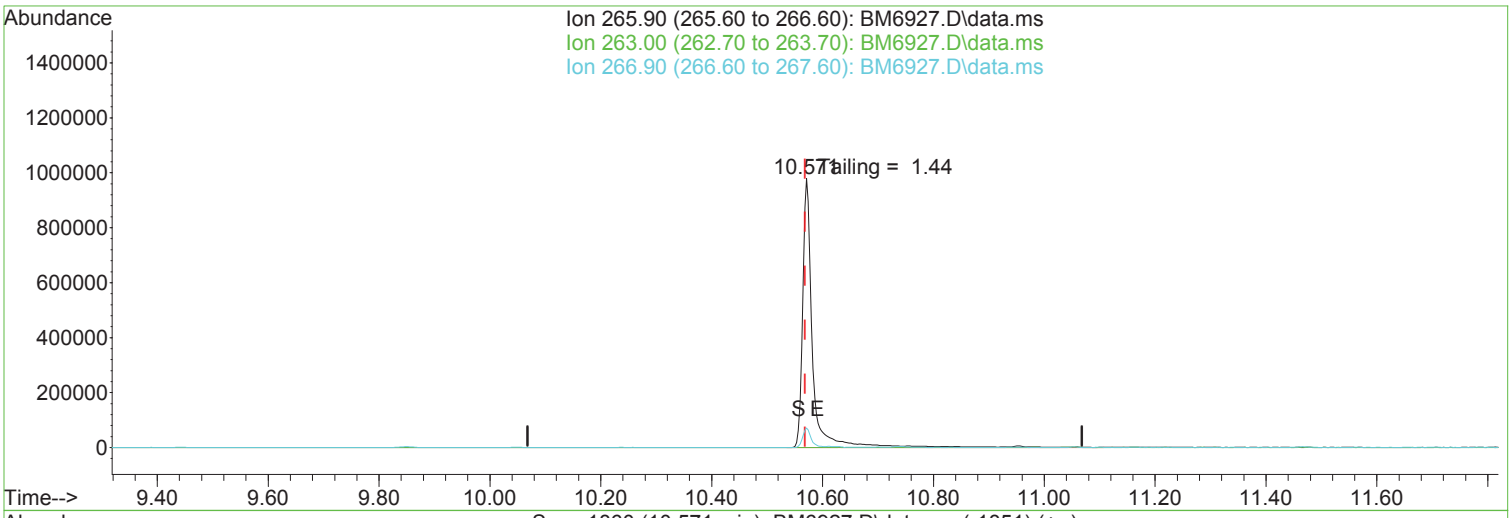
Ion	Ratio	Lower	Upper
88	100		
58	70.1	47.0	87.0
31	29.0	10.4	50.4

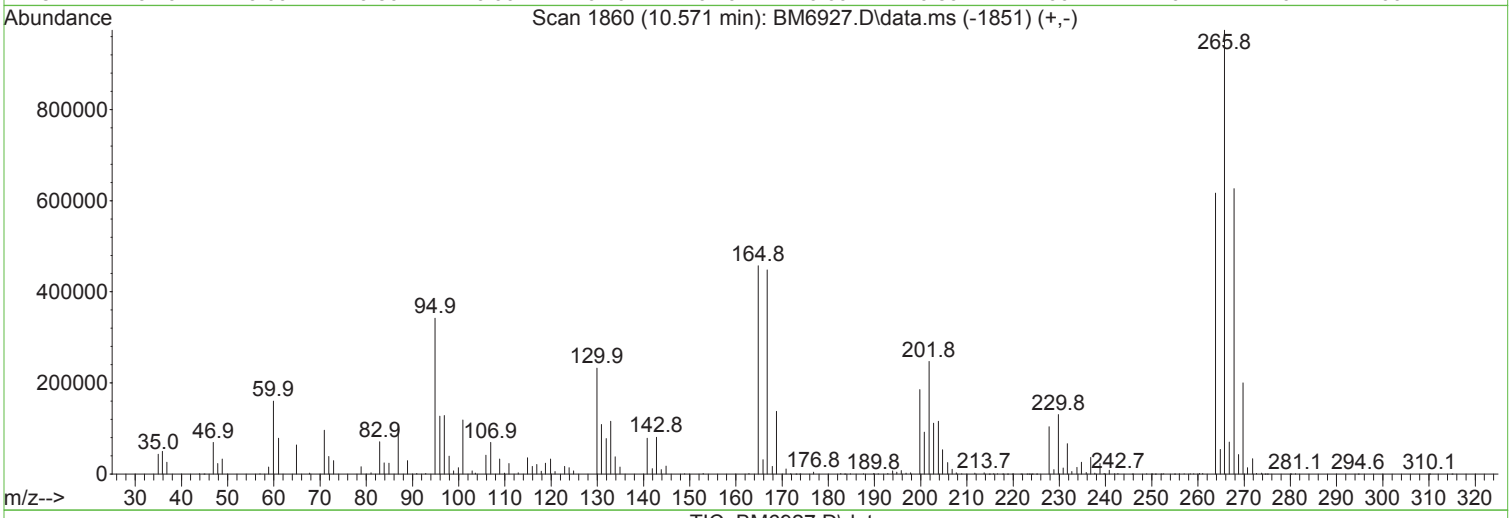


Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6927.D
Acq On : 23 Sep 2024 10:24 am
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 10:41:34 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration





TIC: BM6927.D\data.ms

(5) Pentachlorophenol (T)

10.573min (+ 0.004) 47.92 ppm

response 11267162

Ion	Exp%	Act%
265.90	100.00	100.00
263.00	0.00	0.00
266.90	7.70	7.24
0.00	0.00	0.00

Manual Integration:

After

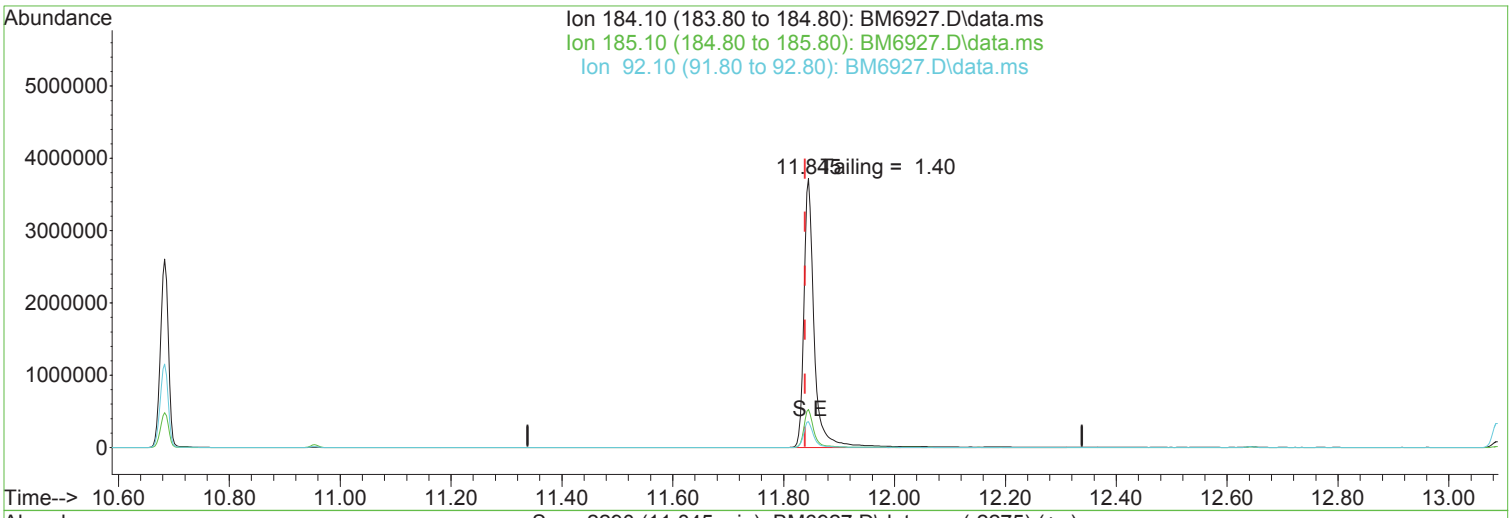
Other - Tailing

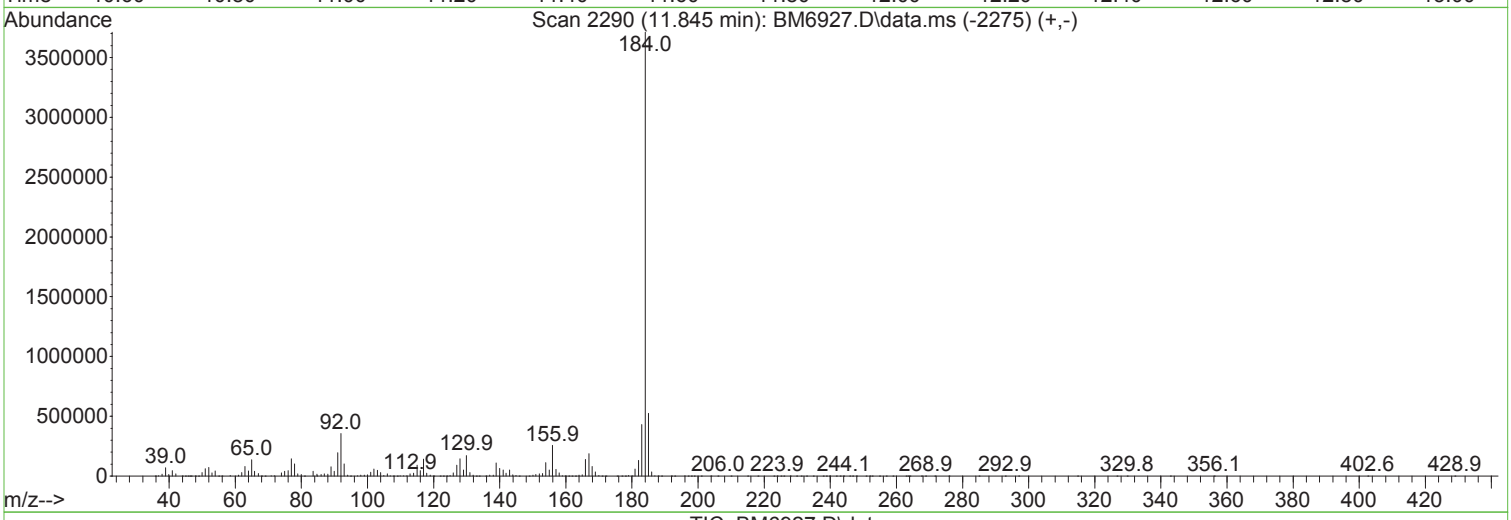
09/23/24

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6927.D
Acq On : 23 Sep 2024 10:24 am
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 10:41:34 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration





TIC: BM6927.D\data.ms

(8) Benzidine (T)

11.846min (+ 0.007) 27.84 ppm

response 46461896

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	13.80	14.15
92.10	10.70	9.56
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

09/23/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6927.D
Acq On : 23 Sep 2024 10:24 am
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 10:41:34 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration

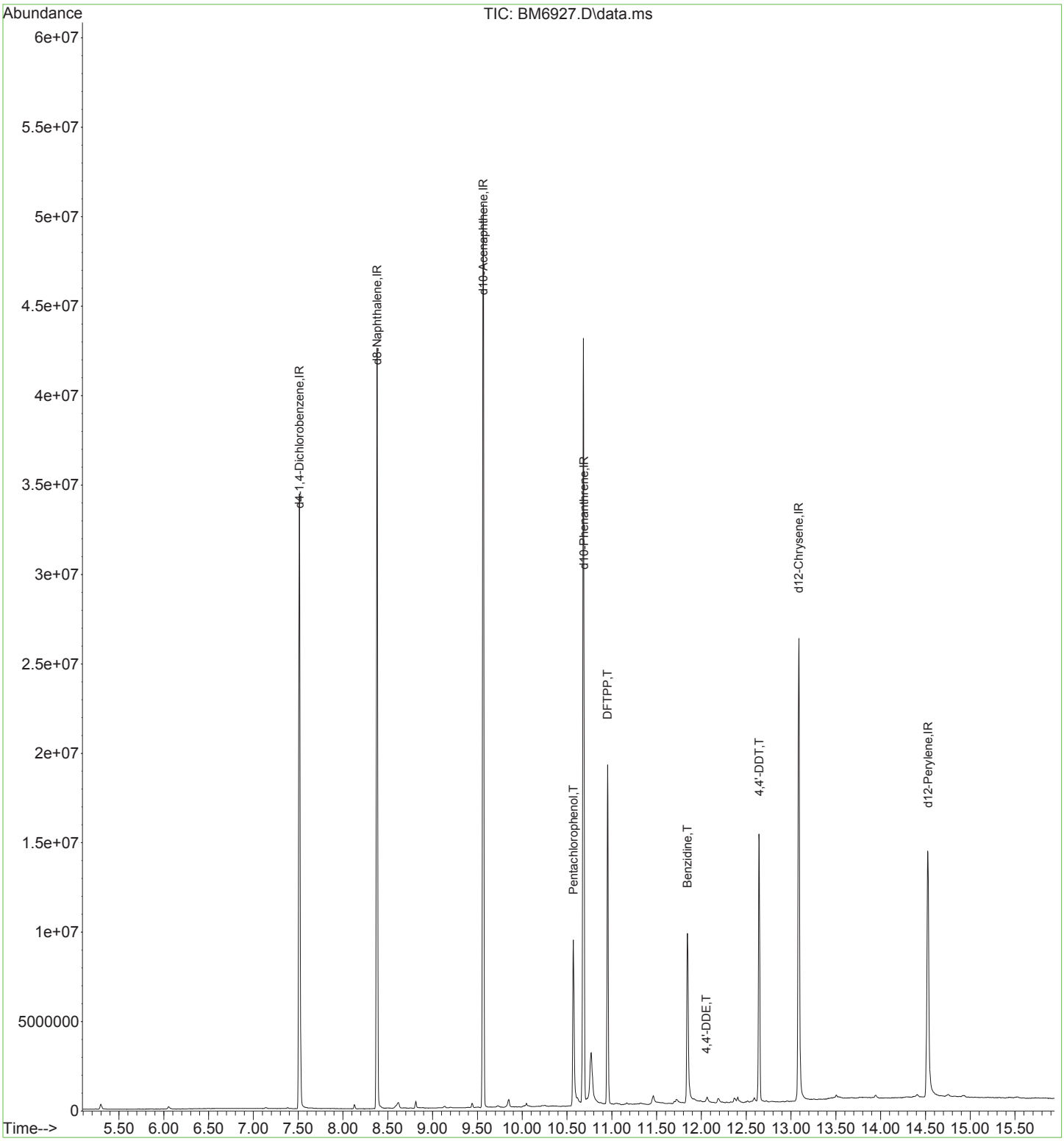
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	7.515	152	54663688	20.00	ppm	0.00
2) d8-Naphthalene	8.383	136	118591351	20.00	ppm	0.00
3) d10-Acenaphthene	9.567	164	98891051	20.00	ppm	# 0.00
4) d10-Phenanthrene	10.688	188	118216823	20.00	ppm	0.00
7) d12-Chrysene	13.088	240	98817446	20.00	ppm	0.00
12) d12-Perylene	14.528	264	73511660	20.00	ppm	0.02
Target Compounds						Qvalue
5) Pentachlorophenol	10.573	266	11267162	47.916	ppm	99
6) DFTPP	10.955	198	18297434	41.433	ppm	98
8) Benzidine	11.846	184	46461896	27.837	ppm	98
9) 4,4'-DDE	12.054	246	26613	0.029	ppm	75
10) 4,4'-DDD	0.000		0	N.D.		
11) 4,4'-DDT	12.645	235	26179113	28.505	ppm	98

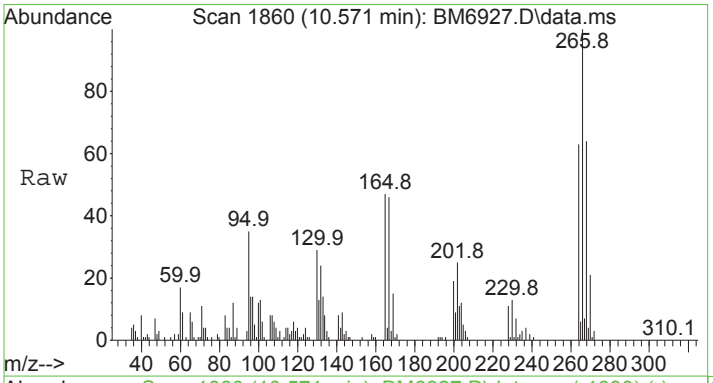
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6927.D
Acq On : 23 Sep 2024 10:24 am
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 10:41:34 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration

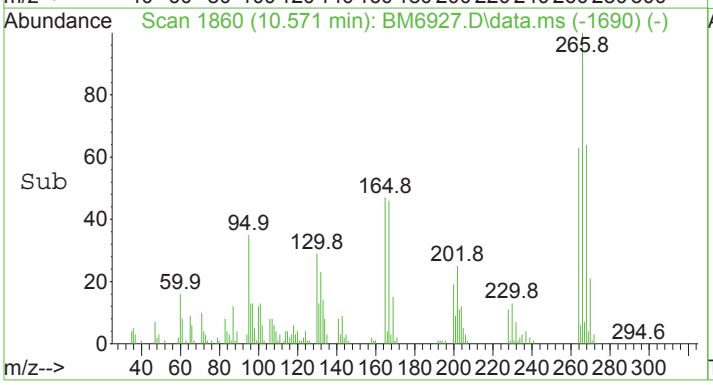


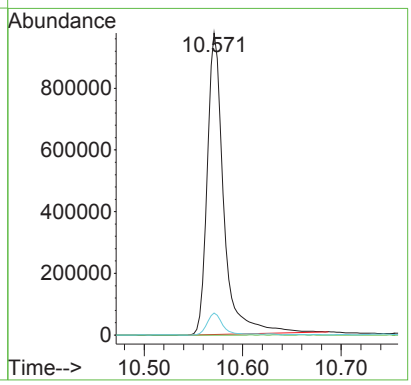


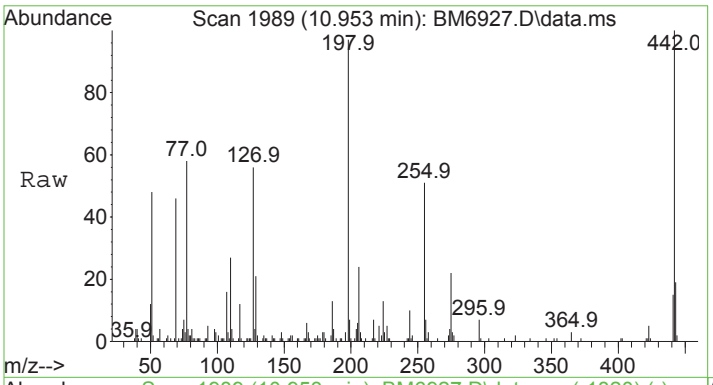
#5
Pentachlorophenol
Concen: 47.92 ppm
RT: 10.573 min Scan# 1860
Delta R.T. 0.004 min
Lab File: BM6927.D
Acq: 23 Sep 2024 10:24 am

Tgt Ion:266 Resp:11267162

Ion	Ratio	Lower	Upper
266	100		
263	0.0	0.0	20.0
267	7.2	0.0	27.7



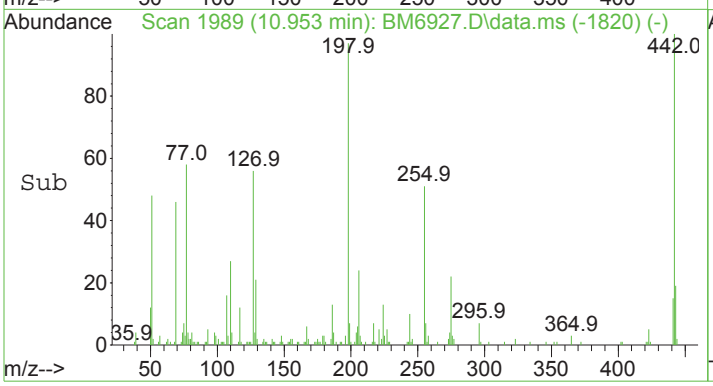


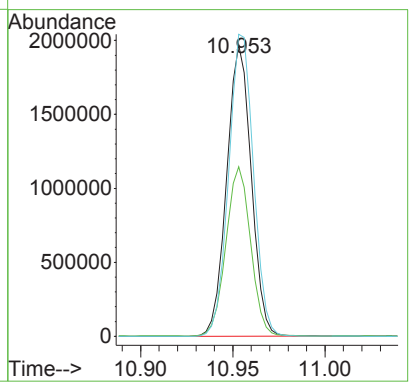


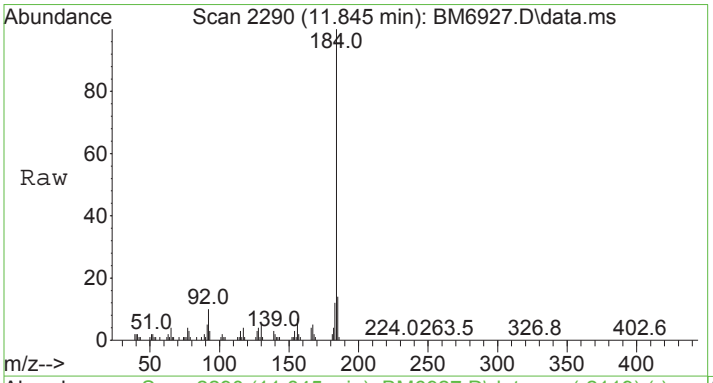
#6
DFTPP
Concen: 41.43 ppm
RT: 10.955 min Scan# 1989
Delta R.T. 0.002 min
Lab File: BM6927.D
Acq: 23 Sep 2024 10:24 am

Tgt Ion:198 Resp:18297434

Ion	Ratio	Lower	Upper
198	100		
127	58.1	36.9	76.9
442	103.6	86.7	126.7



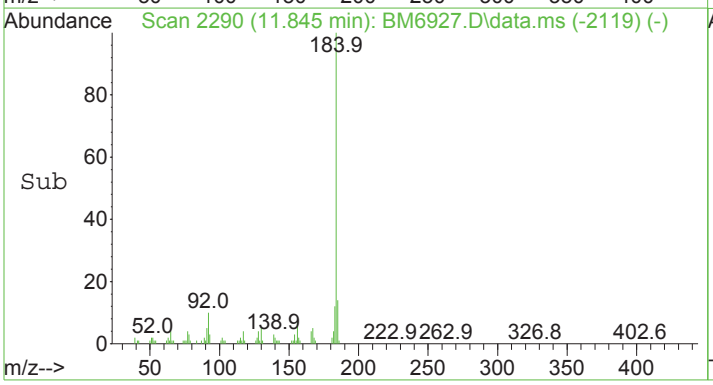


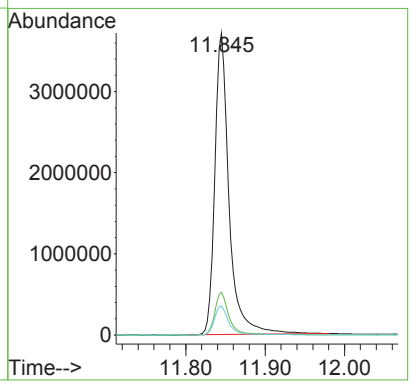


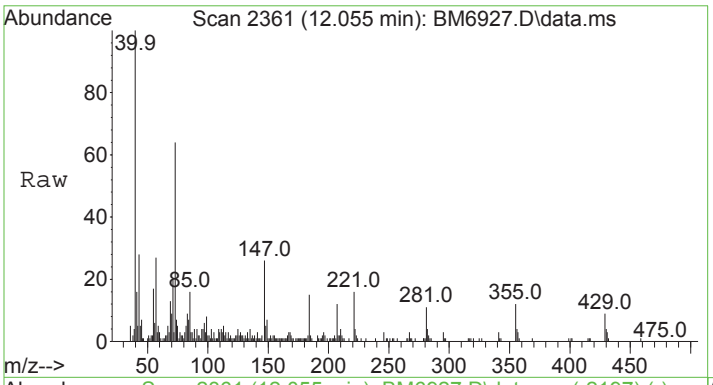
#8
Benzidine
Concen: 27.84 ppm
RT: 11.846 min Scan# 2290
Delta R.T. 0.007 min
Lab File: BM6927.D
Acq: 23 Sep 2024 10:24 am

Tgt Ion:184 Resp:46461896

Ion	Ratio	Lower	Upper
184	100		
185	14.2	0.0	33.8
92	9.6	0.0	30.7



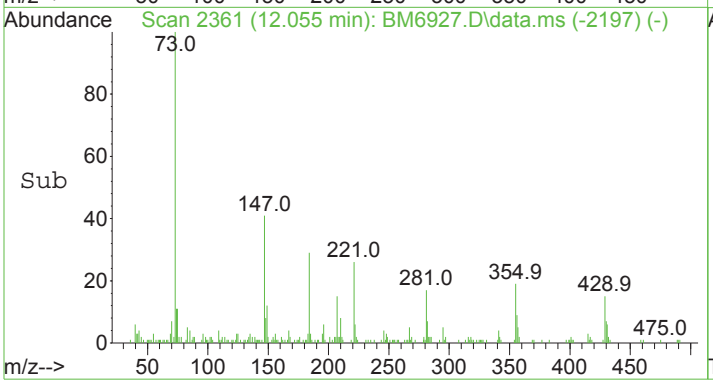


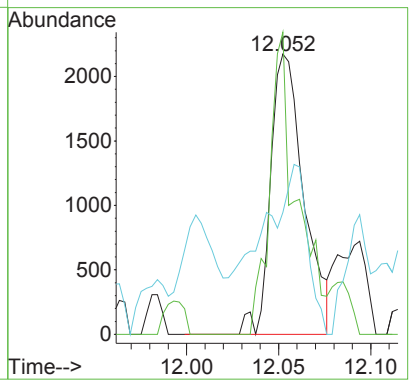


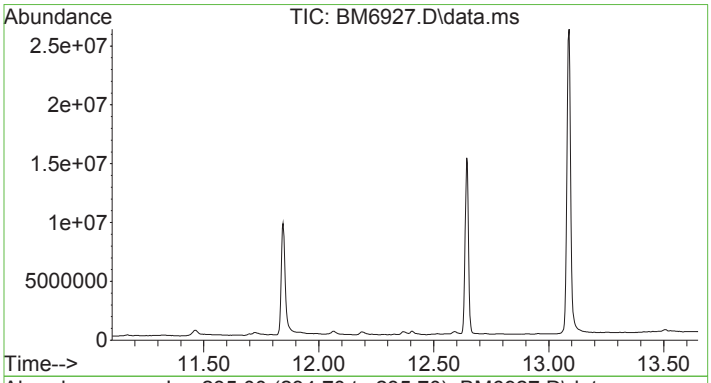
#9
4,4'-DDE
Concen: 0.03 ppm
RT: 12.054 min Scan# 2361
Delta R.T. -0.015 min
Lab File: BM6927.D
Acq: 23 Sep 2024 10:24 am

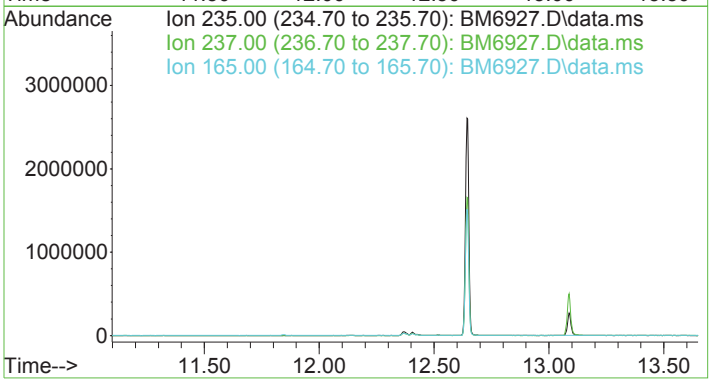
Tgt Ion:246 Resp: 26613

Ion	Ratio	Lower	Upper
246	100		
248	90.9	51.3	91.3
176	42.6	7.6	47.6







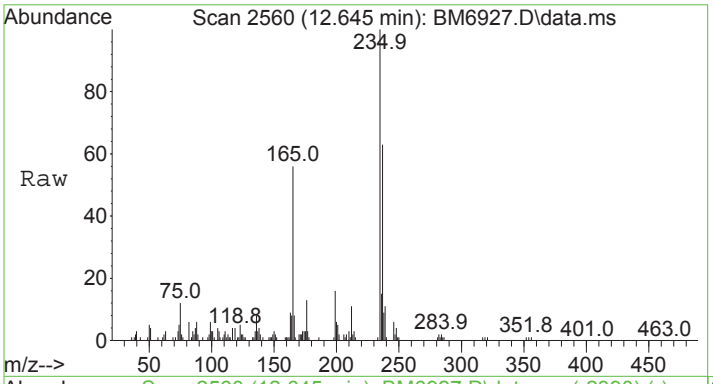


#10
4,4'-DDD
Concen: N.D.
Expected RT: 12.40 min

Lab File: BM6927.D
Acq: 23 Sep 2024 10:24 am

Tgt Ion: 235

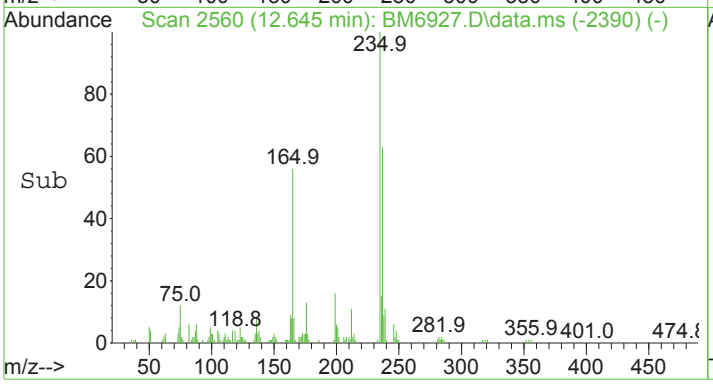
Sig	Exp Ratio
235	100
237	62.2
165	61.6

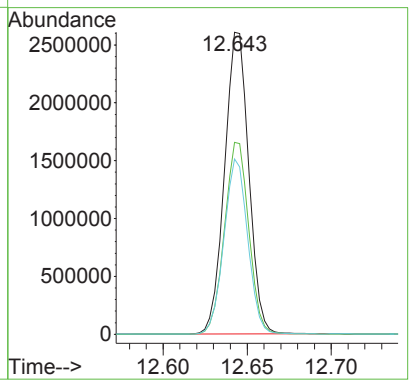


#11
4,4'-DDT
Concen: 28.50 ppm
RT: 12.645 min Scan# 2560
Delta R.T. 0.004 min
Lab File: BM6927.D
Acq: 23 Sep 2024 10:24 am

Tgt Ion:235 Resp:26179113

Ion	Ratio	Lower	Upper
235	100		
237	63.4	43.5	83.5
165	55.6	31.9	71.9





GC/MS QA-QC Check Report

Tune File : I:\ACQUDATA\5975E\data\092324\BM6927.D
Tune Time : 23 Sep 2024 10:24 am

Daily Calibration File : I:\ACQUDATA\5975E\data\092324\BM6928.D

File	Sample	Surrogate Recovery %	Internal Standard Responses
			112210
BM6928.D			
	500ppb ccv	558*	112210
BM6929.D			
	RQ2411921-	88	126423
BM6930.D			
	RQ2411921-	87	140771
BM6931.D			
	RQ2411921-	91	129171
BM6932.D			
	R2409083-0	94	129428
BM6933.D			
	R2409083-0	82	117004
BM6934.D			
	R2409089-0	89	126386
BM6935.D			
	R2409093-0	96	126256
BM6936.D			
	R2409108-0	97	136743
BM6937.D			
	R2409108-0	115	135567
BM6938.D			
	R2409108-0	118	125970
BM6939.D			
	R2409108-0	92	138993
BM6940.D			
	R2409206-0	88	136732
BM6941.D			
	R2409206-0	114	155247
BM6942.D			
	R2409206-0	98	130755
BM6943.D			
	R2409206-0	96	131393
BM6944.D			
	R2409206-0	107	120085
BM6945.D			
	R2409206-0	96	125675
BM6946.D			
	R2409206-0	100	136447

1st 09/25/24
2nd 09/25/24

```
--------------------------------------------------------------------------------
BM6947.D
         R2409206-0   96                      133694
--------------------------------------------------------------------------------
BM6948.D
         R2409206-0   99                      143777
--------------------------------------------------------------------------------
BM6949.D
         R2409108-0   87                      129006
--------------------------------------------------------------------------------
BM6950.D
         R2409108-0   90                      129482
--------------------------------------------------------------------------------
BM6951.D
         R2409108-0   93                      133275
--------------------------------------------------------------------------------
(fails) - fails 12hr time check   * - fails criteria

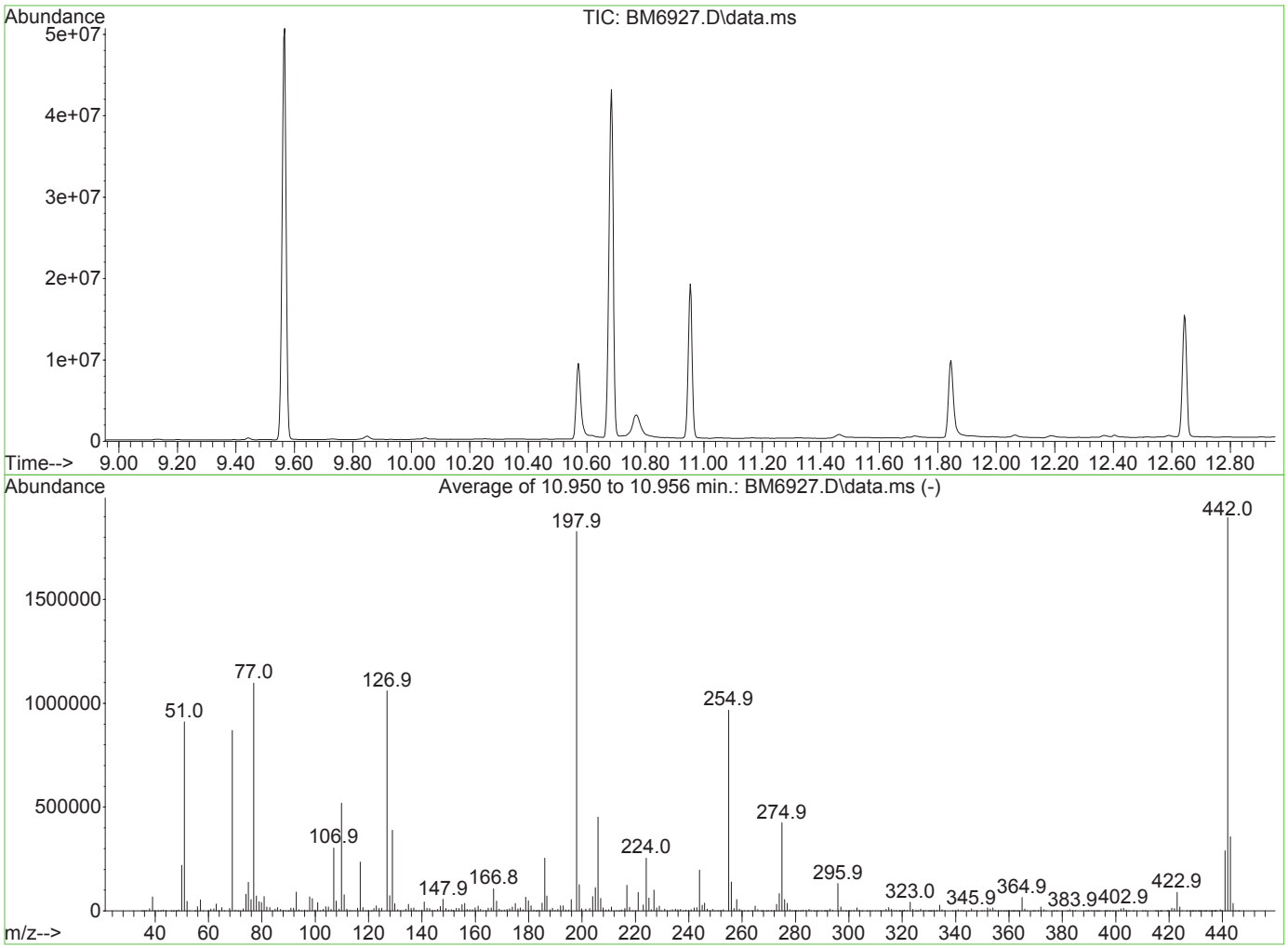
    Created: Wed Sep 25 10:03:00 2024  MS-56 (5975E)
```

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092324\
Data File : BM6927.D
Acq On : 23 Sep 2024 10:24 am
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Title :
Last Update : Tue Feb 06 17:14:28 2024



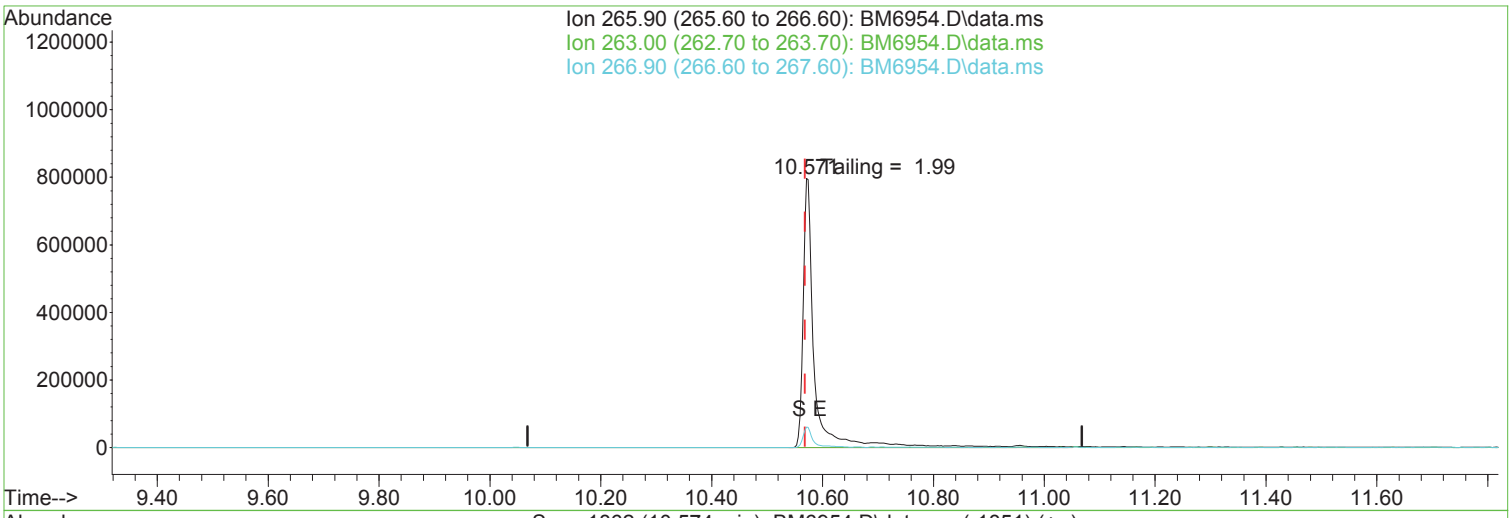
Spectrum Information: Average of 10.950 to 10.956 min.

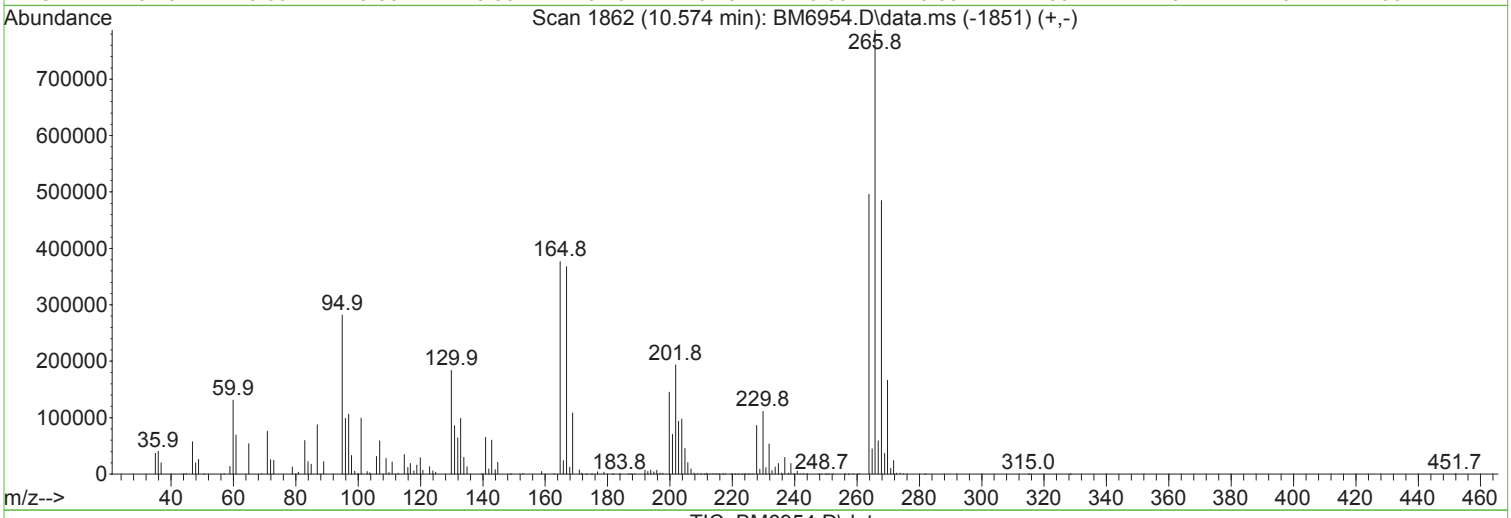
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.3	11717	PASS
69	198	0.00	100	47.6	869837	PASS
70	69	0.00	2	0.6	4886	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1827328	PASS
199	198	5	9	6.9	126430	PASS
365	198	1	200	3.5	64616	PASS
441	443	0.01	150	81.4	290411	PASS
442	442	100	100	100.0	1894912	PASS
443	442	15	24	18.8	356907	PASS

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6954.D
Acq On : 24 Sep 2024 01:14 pm
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 13:34:36 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration





TIC: BM6954.D\data.ms

(5) Pentachlorophenol (T)

10.574min (+ 0.005) 39.74 ppm

response 9810883

Ion	Exp%	Act%
265.90	100.00	100.00
263.00	0.00	0.00
266.90	7.70	7.52
0.00	0.00	0.00

Manual Integration:

After

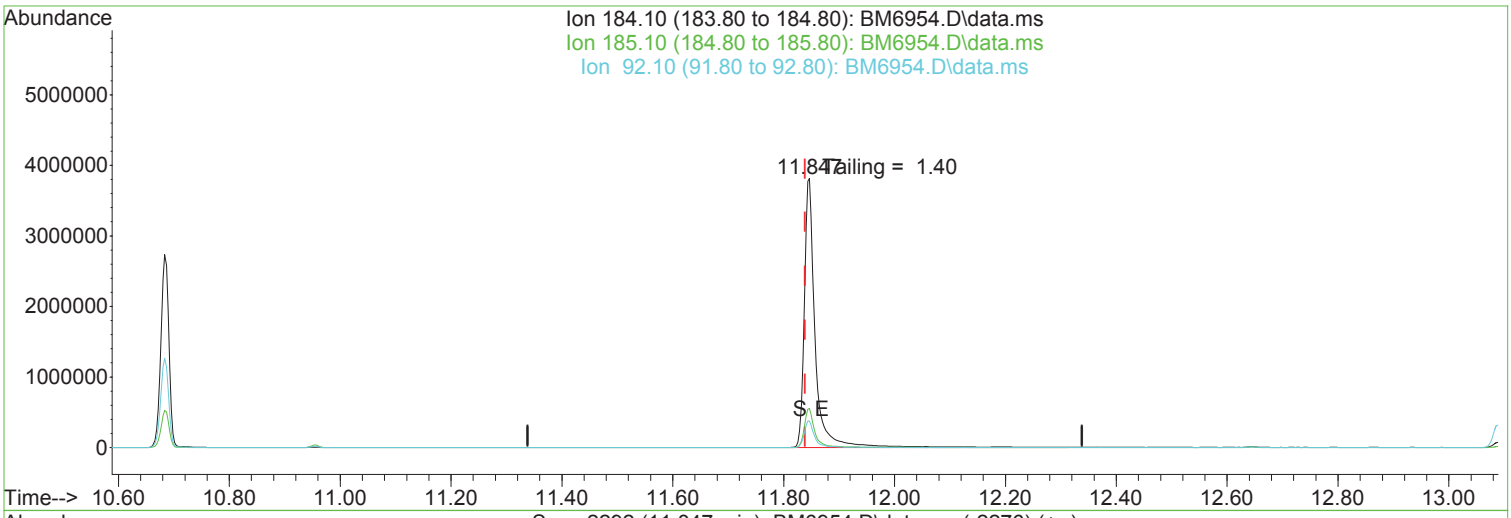
Other - Tailing

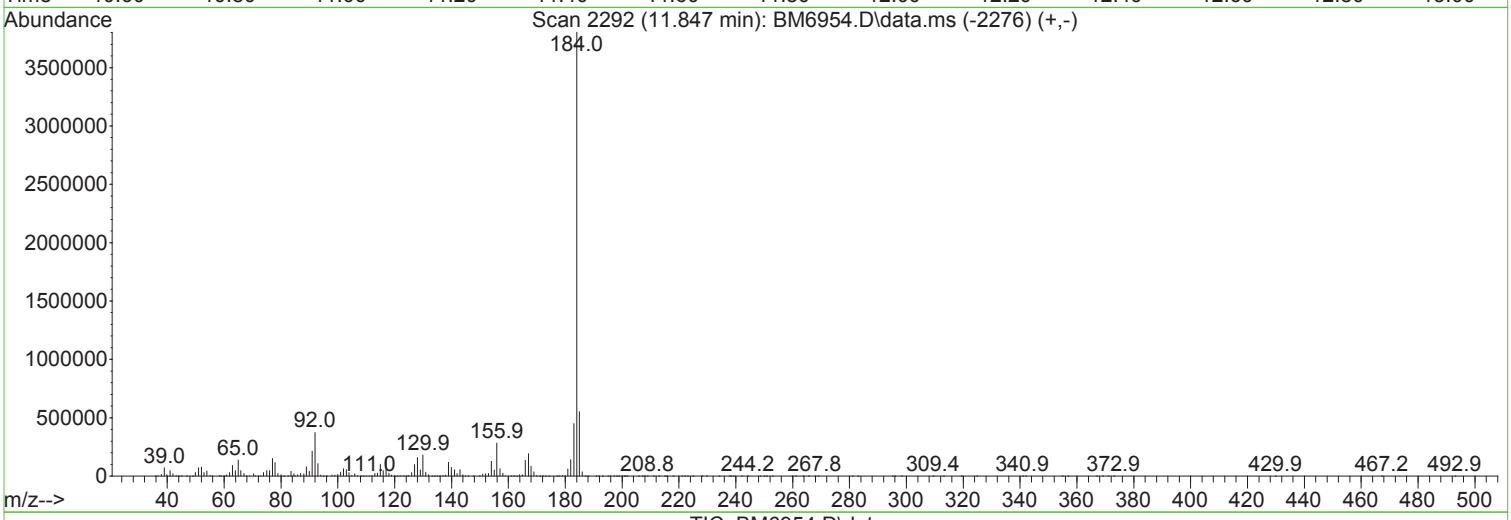
09/24/24

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6954.D
Acq On : 24 Sep 2024 01:14 pm
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 13:34:36 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration





TIC: BM6954.D\data.ms

(8) Benzidine (T)

11.846min (+ 0.008) 33.12 ppm

response 50177570

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	13.80	14.47
92.10	10.70	9.82
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

09/24/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6954.D
Acq On : 24 Sep 2024 01:14 pm
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

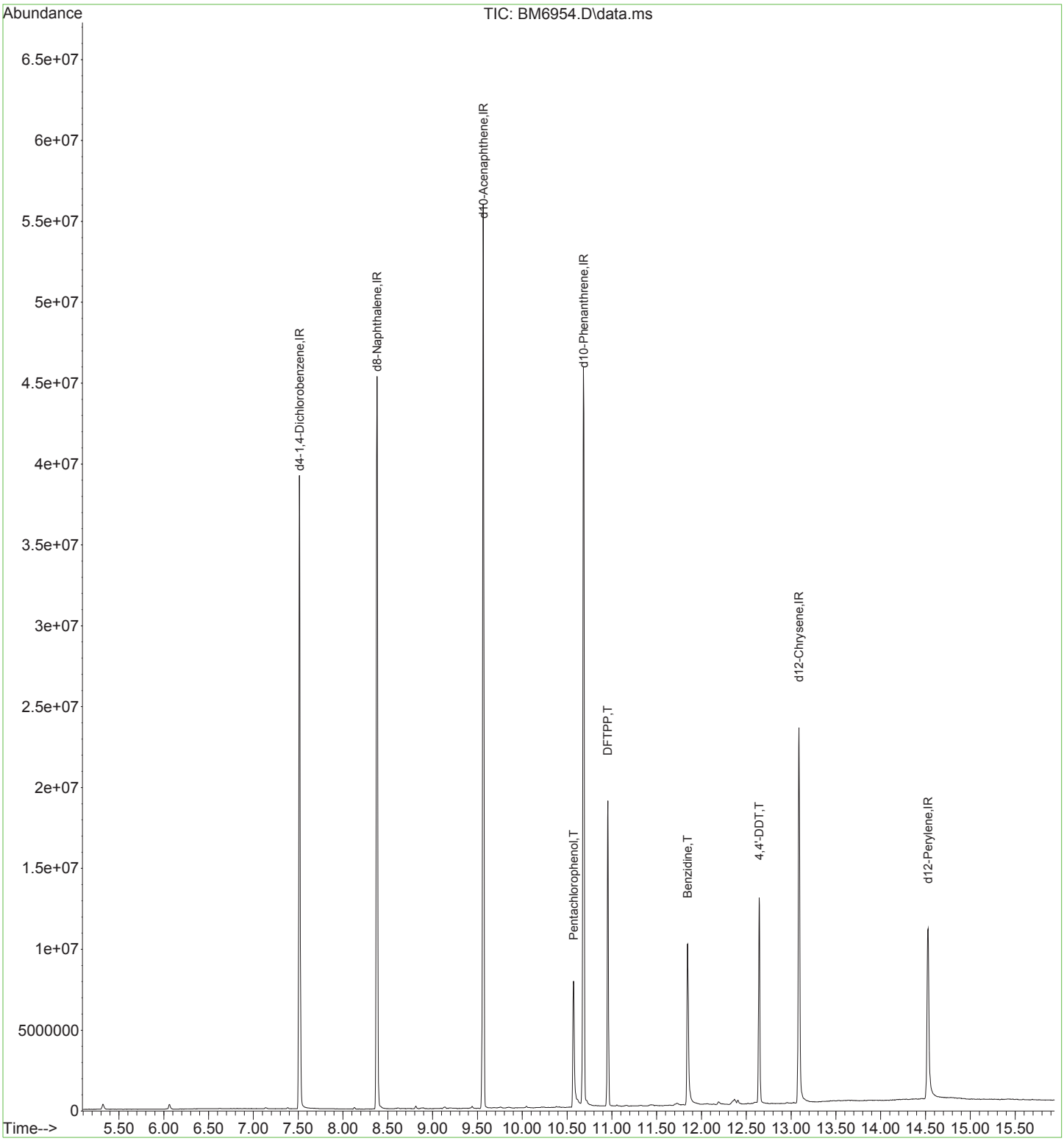
Quant Time: Sep 24 13:34:36 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration

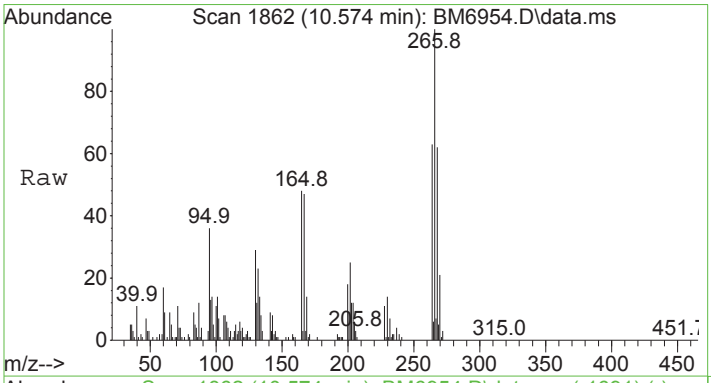
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	7.515	152	62020111	20.00	ppm	0.00
2) d8-Naphthalene	8.382	136	131062611	20.00	ppm	# 0.00
3) d10-Acenaphthene	9.569	164	105620707	20.00	ppm	# 0.00
4) d10-Phenanthrene	10.688	188	124103442	20.00	ppm	0.00
7) d12-Chrysene	13.089	240	89707680	20.00	ppm	0.00
12) d12-Perylene	14.528	264	57494704	20.00	ppm	0.02
Target Compounds						Qvalue
5) Pentachlorophenol	10.574	266	9810883	39.744	ppm	99
6) DFTPP	10.956	198	18088328	39.016	ppm	99
8) Benzidine	11.846	184	50177570	33.116	ppm	98
9) 4,4'-DDE	0.000		0	N.D.		
10) 4,4'-DDD	0.000		0	N.D.		
11) 4,4'-DDT	12.646	235	21705112	26.033	ppm	96

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

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6954.D
Acq On : 24 Sep 2024 01:14 pm
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 13:34:36 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration

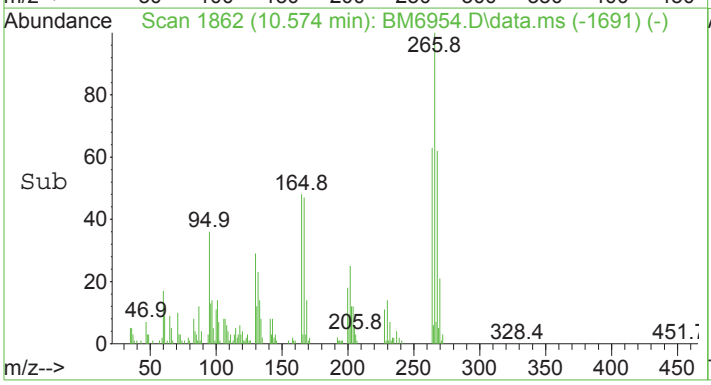


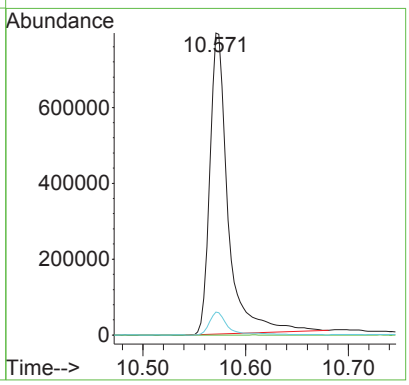


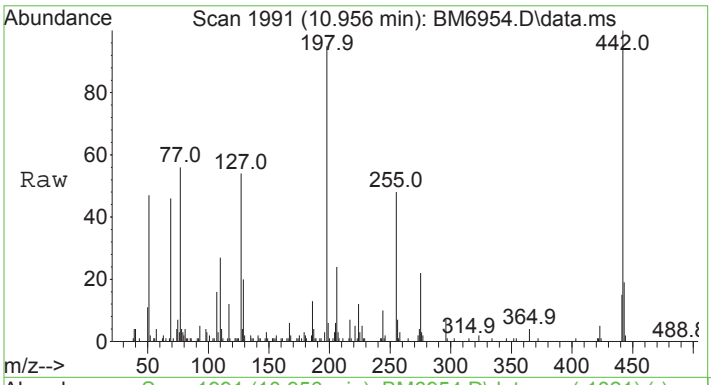
#5
Pentachlorophenol
Concen: 39.74 ppm
RT: 10.574 min Scan# 1862
Delta R.T. 0.005 min
Lab File: BM6954.D
Acq: 24 Sep 2024 01:14 pm

Tgt Ion:266 Resp: 9810883

Ion	Ratio	Lower	Upper
266	100		
263	0.0	0.0	20.0
267	7.5	0.0	27.7



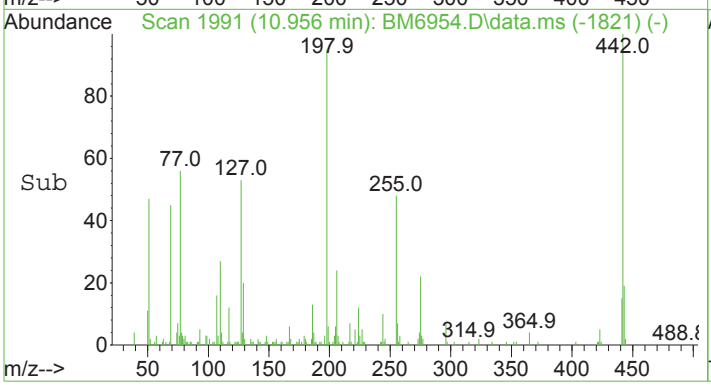


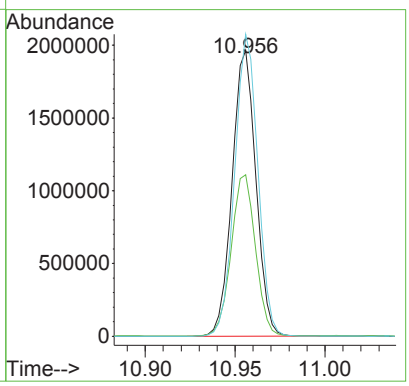


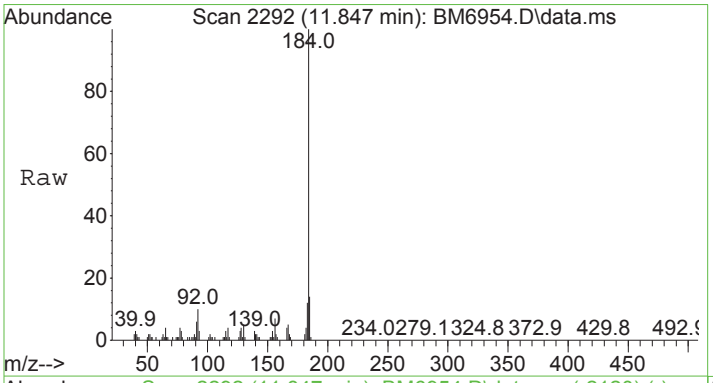
#6
DFTPP
Concen: 39.02 ppm
RT: 10.956 min Scan# 1991
Delta R.T. 0.003 min
Lab File: BM6954.D
Acq: 24 Sep 2024 01:14 pm

Tgt Ion:198 Resp:18088328

Ion	Ratio	Lower	Upper
198	100		
127	56.4	36.9	76.9
442	105.6	86.7	126.7



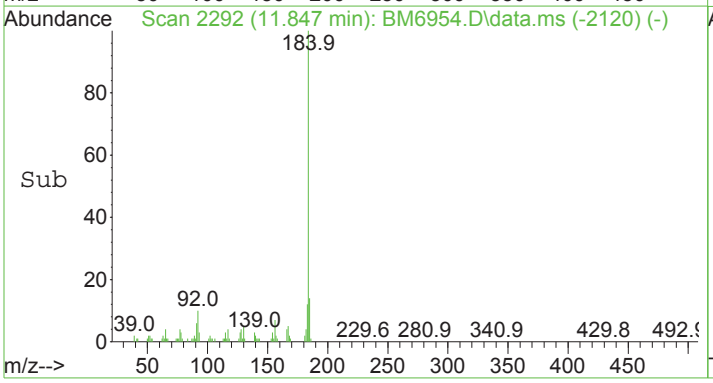


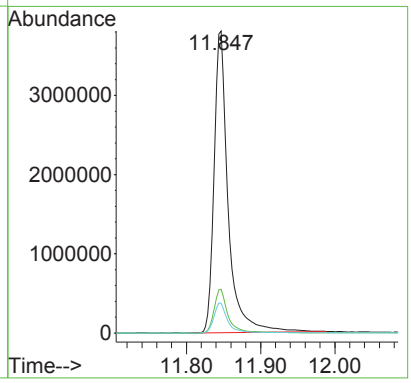


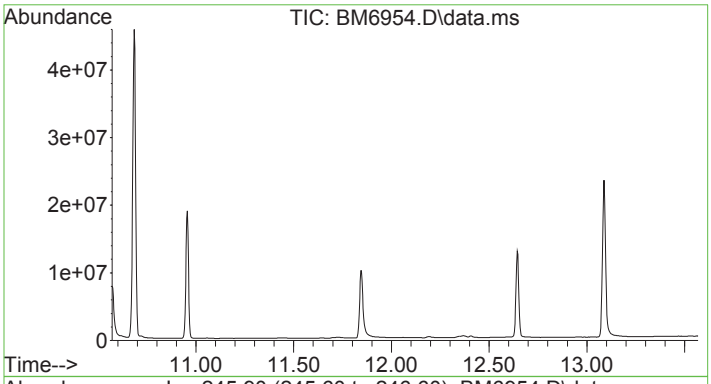
#8
Benzidine
Concen: 33.12 ppm
RT: 11.846 min Scan# 2292
Delta R.T. 0.008 min
Lab File: BM6954.D
Acq: 24 Sep 2024 01:14 pm

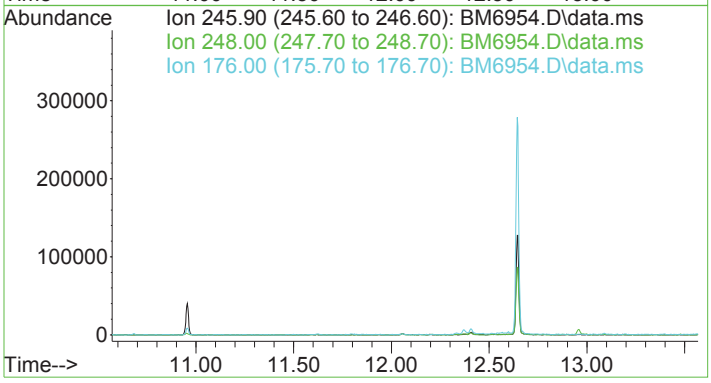
Tgt Ion:184 Resp:50177570

Ion	Ratio	Lower	Upper
184	100		
185	14.5	0.0	33.8
92	9.8	0.0	30.7







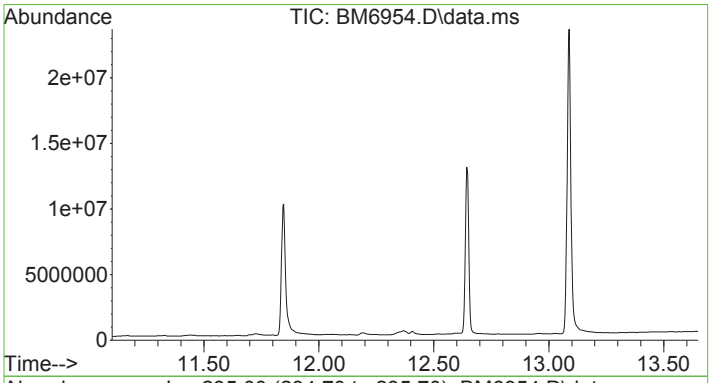


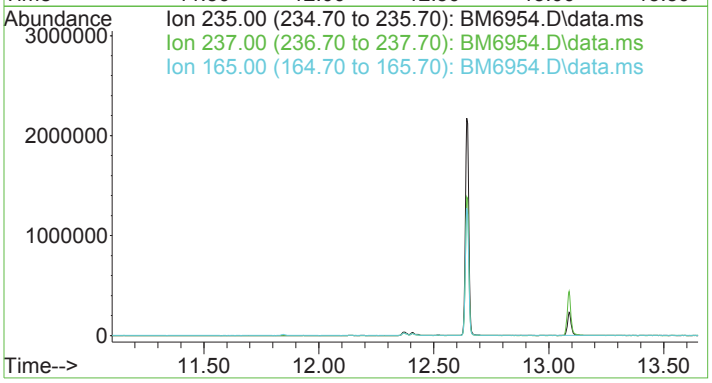
#9
4,4'-DDE
Concen: N.D.
Expected RT: 12.07 min

Lab File: BM6954.D
Acq: 24 Sep 2024 01:14 pm

Tgt Ion: 246

Sig	Exp Ratio
246	100
248	71.3
176	27.6



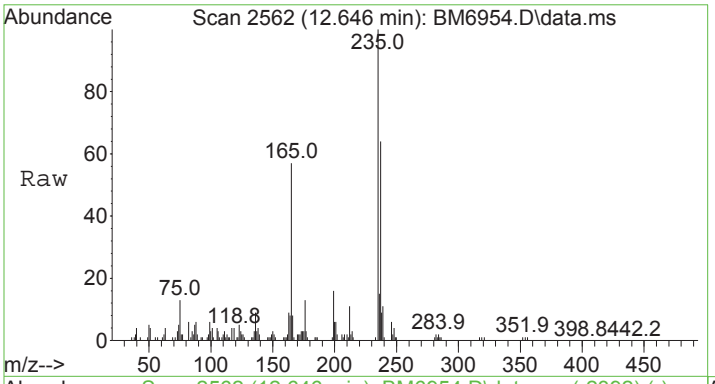


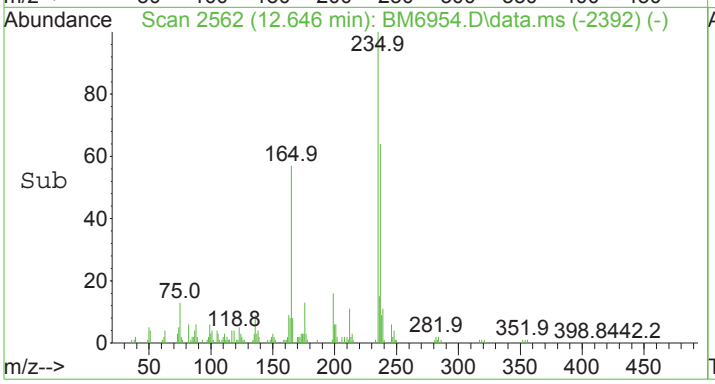
#10
4,4'-DDD
Concen: N.D.
Expected RT: 12.40 min

Lab File: BM6954.D
Acq: 24 Sep 2024 01:14 pm

Tgt Ion: 235

Sig	Exp Ratio
235	100
237	62.2
165	61.6

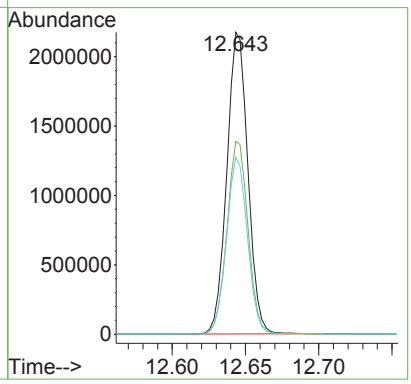




#11
4,4'-DDT
Concen: 26.03 ppm
RT: 12.646 min Scan# 2562
Delta R.T. 0.004 min
Lab File: BM6954.D
Acq: 24 Sep 2024 01:14 pm

Tgt Ion:235 Resp:21705112

Ion	Ratio	Lower	Upper
235	100		
237	64.4	43.5	83.5
165	57.1	31.9	71.9



1st 09/25/24
2nd 09/25/24

GC/MS QA-QC Check Report

Tune File : I:\ACQUDATA\5975E\data\092424\BM6954.D
Tune Time : 24 Sep 2024 01:14 pm

Daily Calibration File : I:\ACQUDATA\5975E\data\092424\BM6955.D

			115576
File	Sample	Surrogate Recovery %	Internal Standard Responses
BM6955.D	500PPB CCV	547*	115576
BM6956.D	RQ2412014-	81	123328
BM6957.D	RQ2412014-	82	129355
BM6958.D	RQ2412014-	91	131165
BM6959.D	R2409093-0	87	132870
BM6960.D	R2409108-0	73	122583
BM6961.D	R2409108-0	85	120459
BM6962.D	R2409108-0	85	122461
BM6963.D	R2409118-0	87	127473
BM6964.D	R2409200-0	87	121153
BM6965.D	R2409254-0	90	125089
BM6966.D	R2409206-0	13*	118698

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

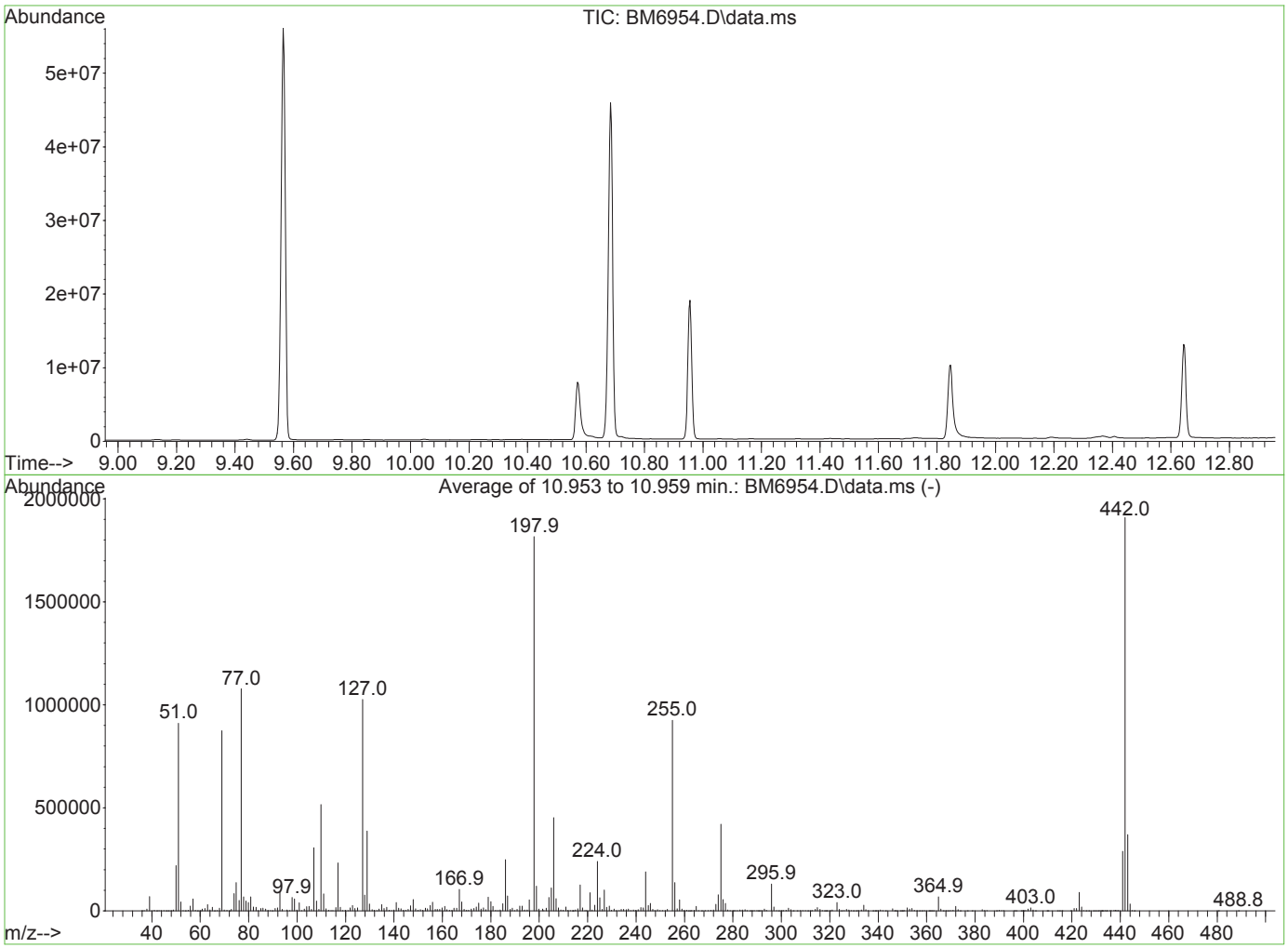
Created: Wed Sep 25 09:51:09 2024 MS-56 (5975E)

1st 09/25/24
2nd 09/25/24

Data Path : I:\ACQUDATA\5975E\data\092424\
Data File : BM6954.D
Acq On : 24 Sep 2024 01:14 pm
Operator : KProcopio
Sample : 8270 TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Title :
Last Update : Tue Feb 06 17:14:28 2024



Spectrum Information: Average of 10.953 to 10.959 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.4	12660	PASS
69	198	0.00	100	48.1	873752	PASS
70	69	0.00	2	0.5	4352	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1815893	PASS
199	198	5	9	6.6	119377	PASS
365	198	1	200	3.7	67915	PASS
441	443	0.01	150	78.2	288832	PASS
442	442	100	100	100.0	1908907	PASS
443	442	15	24	19.4	369557	PASS

RC2400137

Analysis: 8270Diox Analyst: KP Run Method: DFtppdio, isodioxane
Date: 7/16/24 Instr. R-MS-56 5975E Quant Method: DFtppdio
Syringes: — ICAL: RC2400137 LIMS Run#:

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blank			BM6337	—	
2	500ppb			338	↓	
3	inst blk			339		
2	inst BLK			340	↓	
2	8270 Tune		2360273	341	y	
	No Data - Stopped			342	—	
2	inst BLK - 8270	5uL/1mL	235190	343	y	
3	1ppb		235204	344	y	
4	2ppb		235203	345	y	
5	10ppb		235202	346	y	
6	20ppb		235201	347	y	
7	100ppb		235200	348	y	
8	200ppb		235199	349	y	
9	500ppb		235198	350	y	
10	1000ppb		235197	351	y	
11	5000ppb		235196	352	y	
12	ICV		235207	353	y	
8	CCV 200ppb		235199	354		
13	RQ2408031-01			355		
14	↓ -02			356		
15	↓ -03			357		
16	R2405993-002			358		
17	R2405996-001			359		
18	R2406065-001			360		
19	R2406076-001			361		
20	↓ -002			362		
21	↓ -003			363		
22	↓ -004			364		
23	↓ -010			365		
24	R2406093-002			366		
25	↓ -003			367		
9	CCV 500ppb		235198	368		
26	RQ2408304-01			369		
27	↓ -02			370		
28	↓ -03			371		
29	R2406196-001			372		
30	↓ -002			373		
31	R2406259-001			374		
32	R2406354-001			375		
33	↓ -003			↓ 376		

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:
Primary:_____ exp: Secondary :_____ exp:
Reagents:

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 7/16/24 12:24

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5975E\data\071624\BM6341.D Analytical Method: 8270D

Instrument ID: R-MS-56

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
68	69	0	2	1.5	8220	PASS
69	69	100	100	100.0	539222	PASS
70	69	0	2	0.4	2349	PASS
197	198	0	2	0.0	0	PASS
198	198	100	100	100.0	1004288	PASS
199	198	5	9	6.9	69189	PASS
365	198	1	200	3.2	32443	PASS
441	443	0.01	150	81.5	138979	PASS
442	442	100	100	100.0	888512	PASS
443	442	15	24	19.2	170539	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
Inst. blk 8270	Inst. blk 8270	I:\ACQUDATA\5975E\DATA\071624\BM6343.D	7/16/24 14:41
1ppb	1ppb	I:\ACQUDATA\5975E\DATA\071624\BM6344.D	7/16/24 14:59
2ppb	2ppb	I:\ACQUDATA\5975E\DATA\071624\BM6345.D	7/16/24 15:17
10ppb	10ppb	I:\ACQUDATA\5975E\DATA\071624\BM6346.D	7/16/24 15:36
20ppb	20ppb	I:\ACQUDATA\5975E\DATA\071624\BM6347.D	7/16/24 15:55
100pb	100pb	I:\ACQUDATA\5975E\DATA\071624\BM6348.D	7/16/24 16:13
200ppb	200ppb	I:\ACQUDATA\5975E\DATA\071624\BM6349.D	7/16/24 16:32
500ppb	500ppb	I:\ACQUDATA\5975E\DATA\071624\BM6350.D	7/16/24 16:50
1000ppb	1000ppb	I:\ACQUDATA\5975E\DATA\071624\BM6351.D	7/16/24 17:08
5000ppb	5000ppb	I:\ACQUDATA\5975E\DATA\071624\BM6352.D	7/16/24 17:26
ICV	ICV	I:\ACQUDATA\5975E\DATA\071624\BM6353.D	7/16/24 17:45

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6353.D
Acq On : 16 Jul 2024 05:45 pm
Operator : KProcopio
Sample : ICV
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 17 08:21:34 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

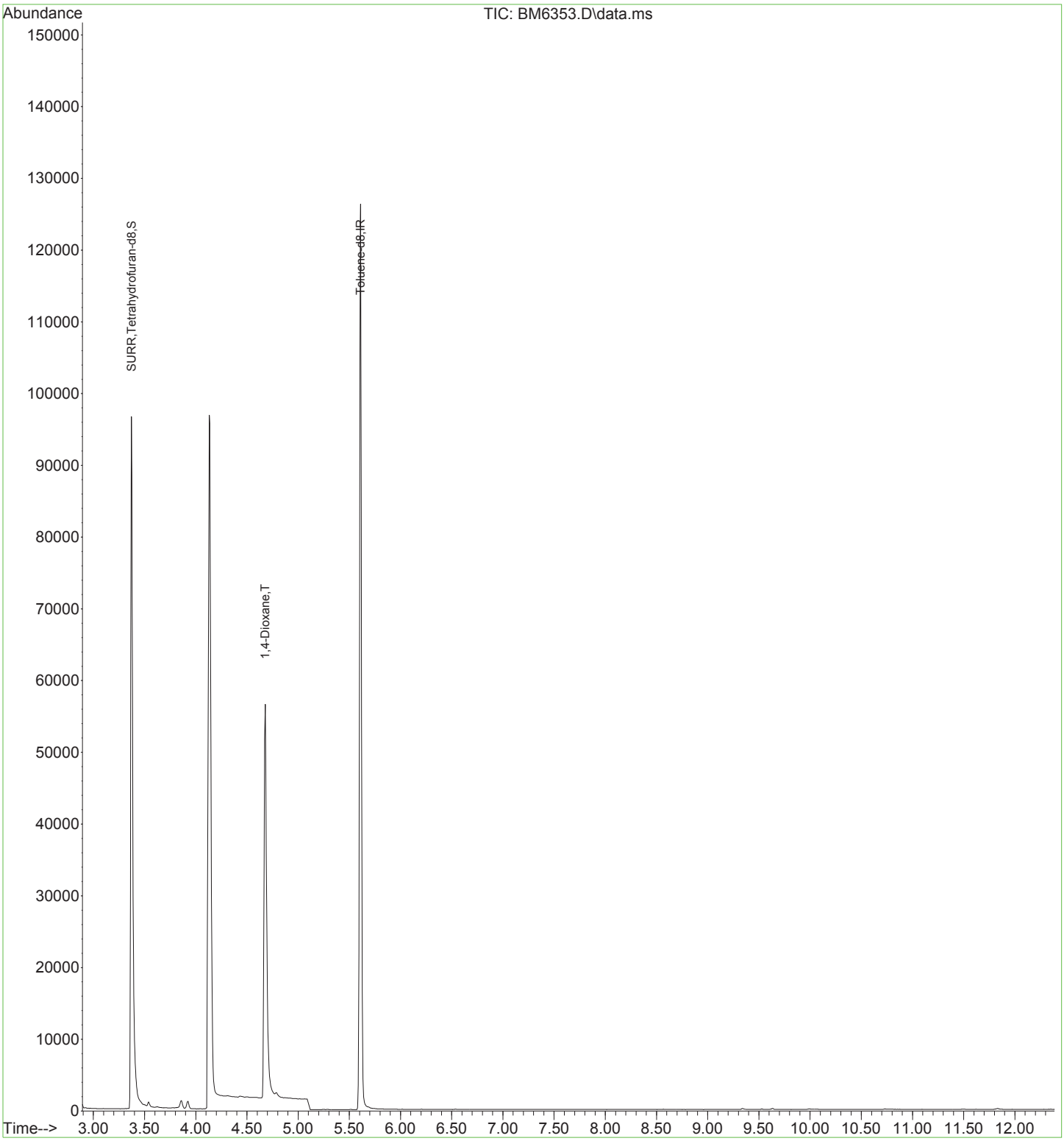
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.610	98	99544	100.00	ppb	0.03
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.372	46	61820	221.62	ppb	0.08
Spiked Amount 100.000	Range 70 - 130		Recovery = 221.62%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.678	88	48591	178.575	ppb	97

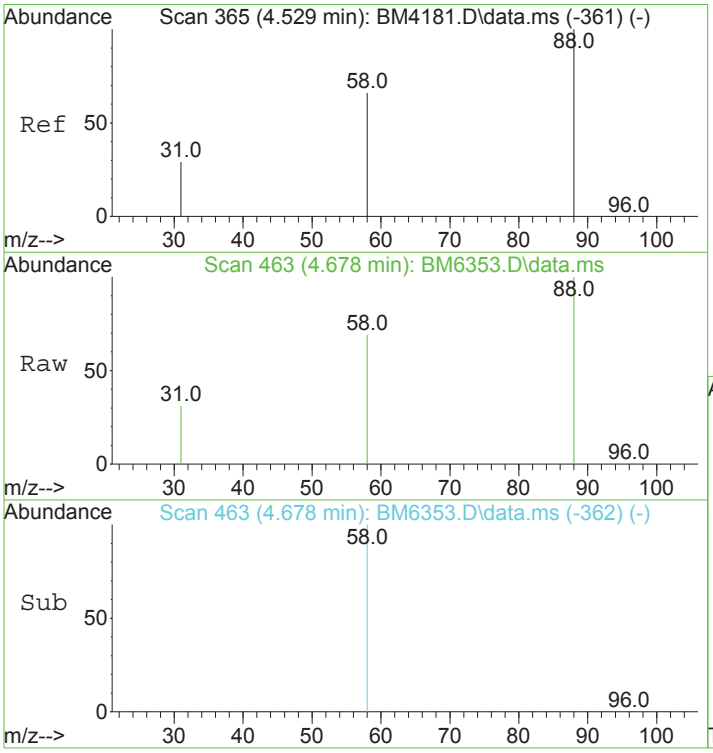
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6353.D
Acq On : 16 Jul 2024 05:45 pm
Operator : KProcopio
Sample : ICV
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 17 08:21:34 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

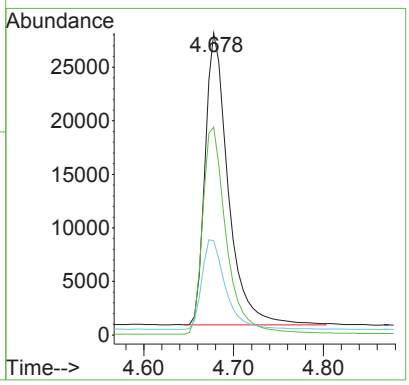




#2
1,4-Dioxane
Concen: 178.58 ppb
RT: 4.678 min Scan# 463
Delta R.T. 0.052 min
Lab File: BM6353.D
Acq: 16 Jul 2024 05:45 pm

Tgt Ion: 88 Resp: 48591

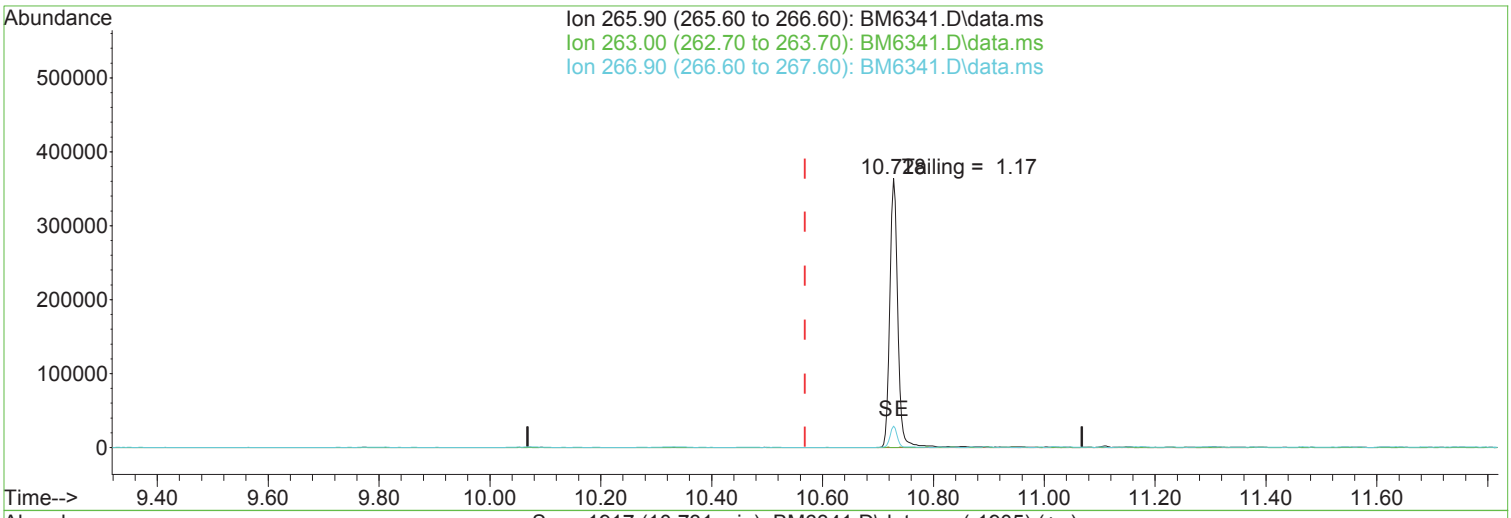
Ion	Ratio	Lower	Upper
88	100		
58	70.9	47.0	87.0
31	30.4	10.4	50.4

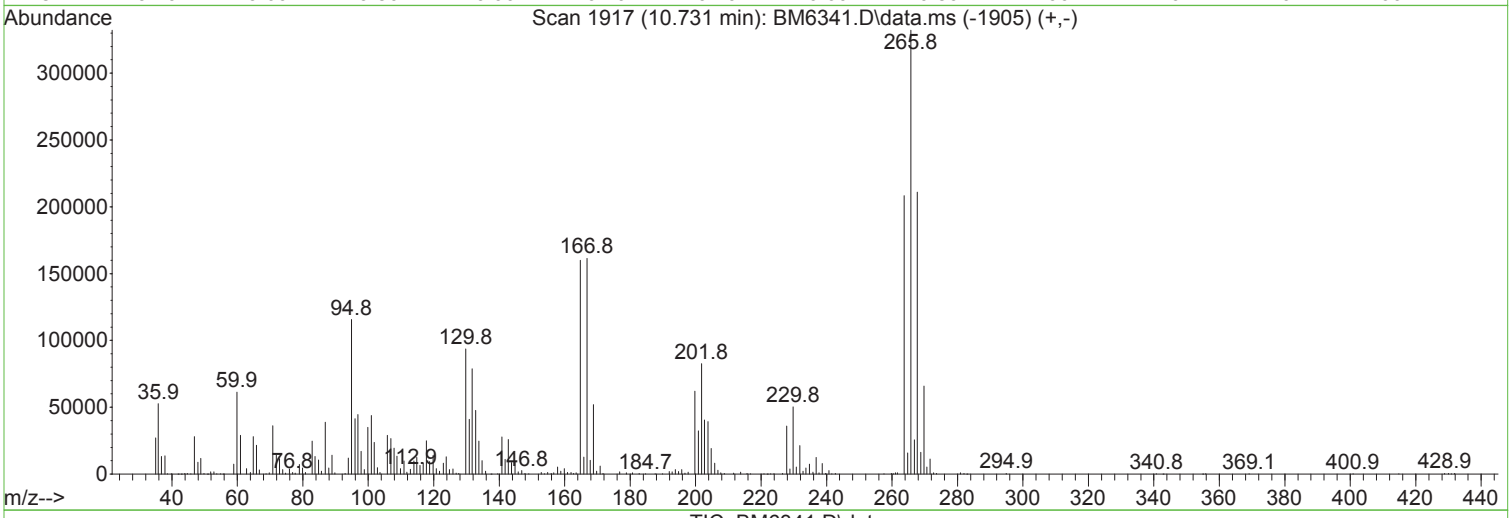


Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6341.D
Acq On : 16 Jul 2024 12:24 pm
Operator : KProcopio
Sample : 8270 Tune
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 16 12:49:19 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration





TIC: BM6341.D\data.ms

(5) Pentachlorophenol (T)

10.729min (+ 0.161) 26.80 ppm

response 3528777

Ion	Exp%	Act%
265.90	100.00	100.00
263.00	0.00	0.00
266.90	7.70	7.71
0.00	0.00	0.00

Manual Integration:

After

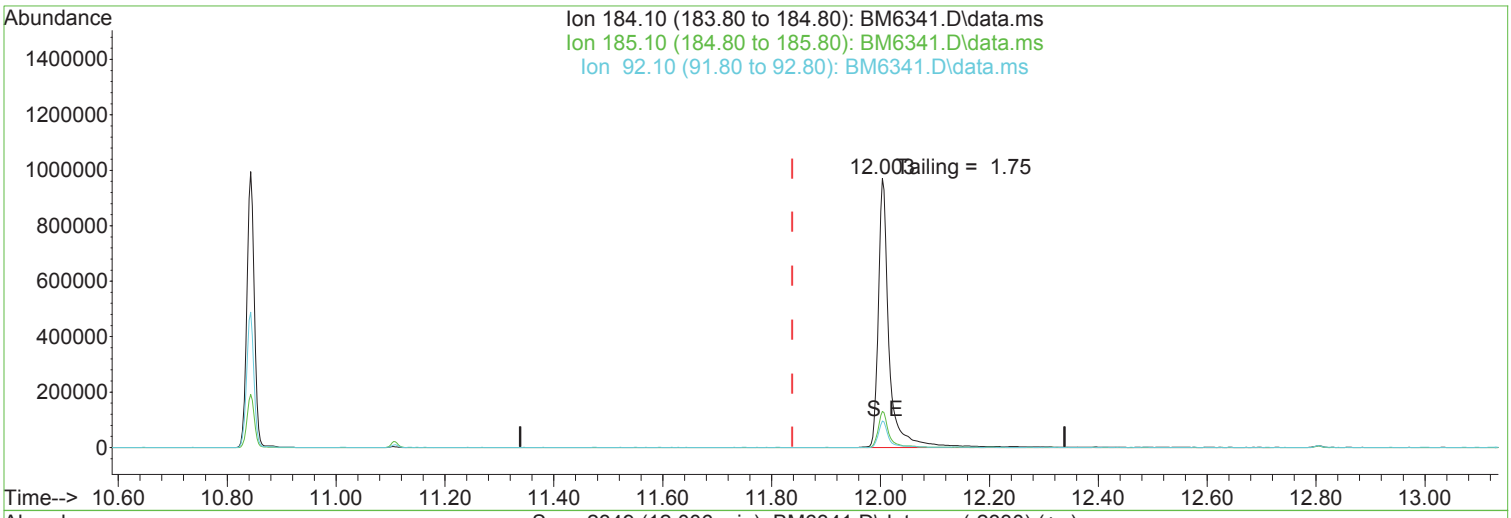
Other - Tailing

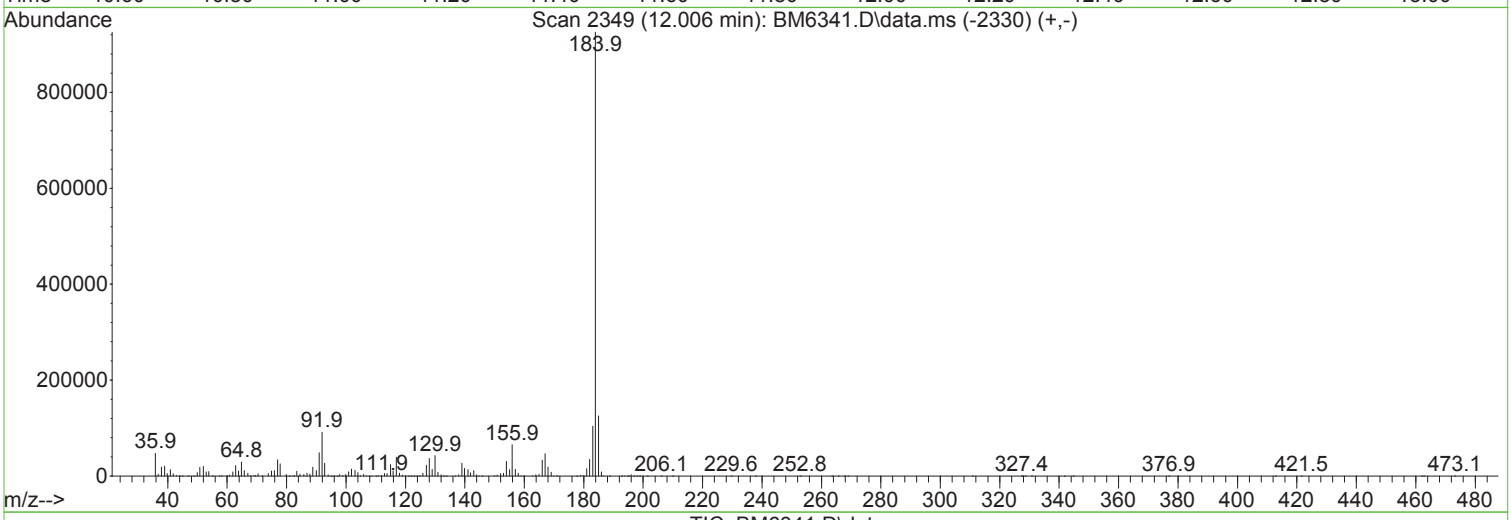
07/16/24

1st 07/17/24
2nd 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6341.D
Acq On : 16 Jul 2024 12:24 pm
Operator : KProcopio
Sample : 8270 Tune
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 16 12:49:19 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Tue Feb 06 17:14:28 2024
Response via : Initial Calibration





TIC: BM6341.D\data.ms

(8) Benzidine (T)

12.005min (+ 0.167) 20.06 ppm

response 12735253

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	13.80	13.54
92.10	10.70	9.79
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

07/16/24

GC/MS QA-QC Check Report

Tune File : I:\ACQUDATA\5975E\data\071624\BM6341.D
Tune Time : 16 Jul 2024 12:24 pm

Daily Calibration File : I:\ACQUDATA\5975E\data\071624\BM6354.D

File	Sample	Surrogate Recovery %	Internal Standard Responses
			92856
BM6354.D	CCV 200ppb	228*	92856
BM6355.D	RQ2408031-	84	105672
BM6356.D	RQ2408031-	77	107487
BM6357.D	RQ2408031-	93	97956
BM6358.D	R2405993-0	83	100572
BM6359.D	R2405996-0	107	100607
BM6360.D	R2406065-0	90	102387
BM6361.D	R2406076-0	83	98888
BM6362.D	R2406076-0	89	106751
BM6363.D	R2406076-0	90	108663
BM6364.D	R2406076-0	93	112547
BM6365.D	R2406076-0	97	93647
BM6366.D	R2406093-0	59*	89205
BM6367.D	R2406093-0	90	97368
BM6368.D	CCV 500PPB	606*	84886
BM6369.D	RQ2408304-	99	62125
BM6370.D	RQ2408304-	97	89240
BM6371.D	RQ2408304-	86	111741
BM6372.D	R2406196-0	66*	143829

1st 07/17/24
2nd 07/17/24

BM6373.D				
	R2406196-0	82	92411	
BM6374.D				
	R2406259-0	93	97352	
BM6375.D				
(fails)	R2406354-0	74	93403	
BM6376.D				
(fails)	R2406354-0	62*	79029	
BM6377.D				
(fails)	R2406368-0	96	86232	
BM6378.D				
(fails)	R2406368-0	89	134709	
BM6379.D				
(fails)	R2406368-0	94	108636	
BM6380.D				
(fails)	R2406368-0	94	110611	
BM6381.D				
(fails)	R2406368-0	85	111585	

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

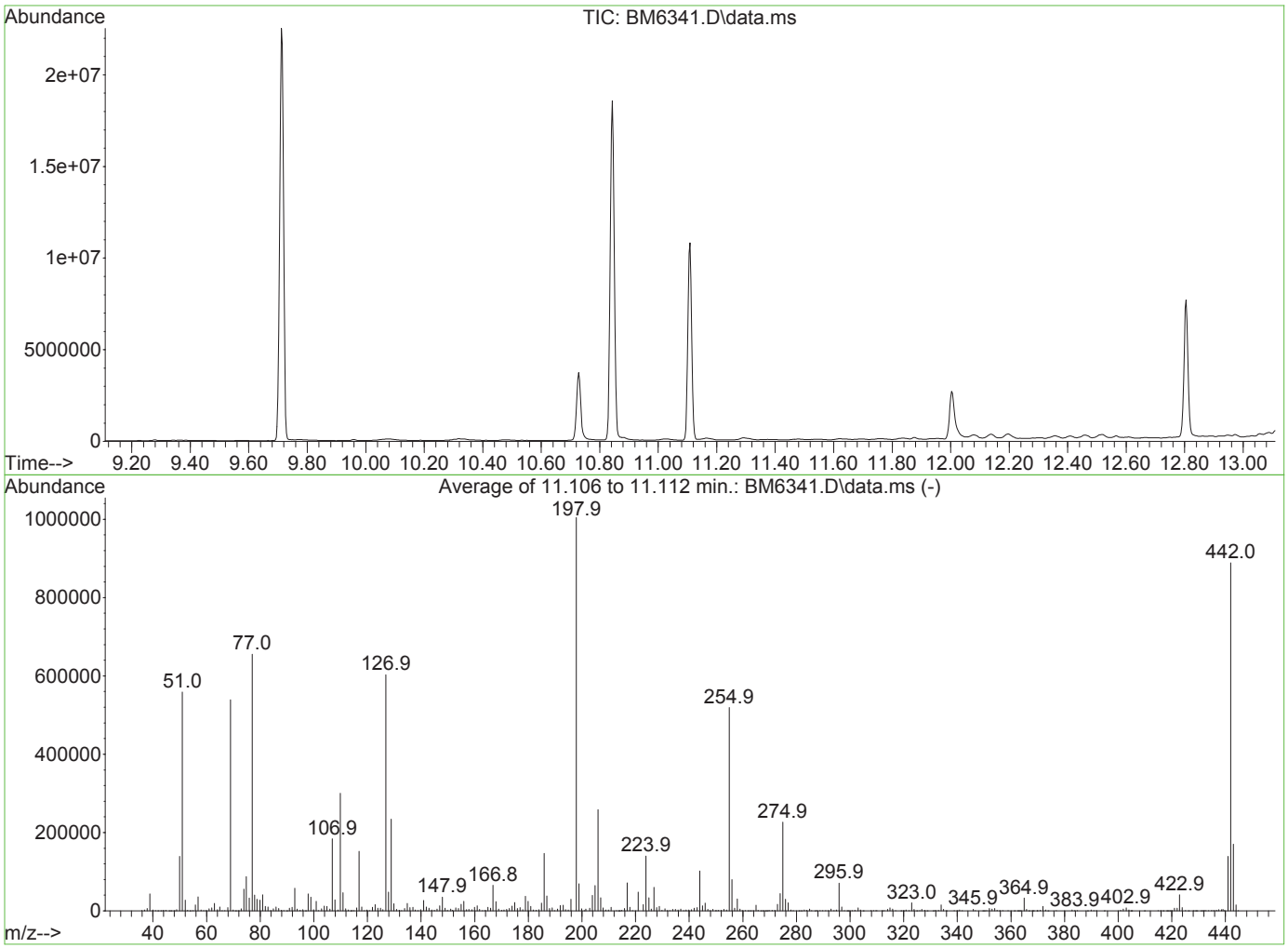
Created: Wed Jul 17 12:11:05 2024 MS-56 (5975E)

1st 07/17/24
2nd 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6341.D
Acq On : 16 Jul 2024 12:24 pm
Operator : KProcopio
Sample : 8270 Tune
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Title :
Last Update : Tue Feb 06 17:14:28 2024



Spectrum Information: Average of 11.106 to 11.112 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	8220	PASS
69	198	0.00	100	53.7	539222	PASS
70	69	0.00	2	0.4	2349	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1004288	PASS
199	198	5	9	6.9	69189	PASS
365	198	1	200	3.2	32443	PASS
441	443	0.01	150	81.5	138979	PASS
442	442	100	100	100.0	888512	PASS
443	442	15	24	19.2	170539	PASS

1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6343.D
Acq On : 16 Jul 2024 02:41 pm
Operator : KProcopio
Sample : Inst. blk 8270
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:21:32 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

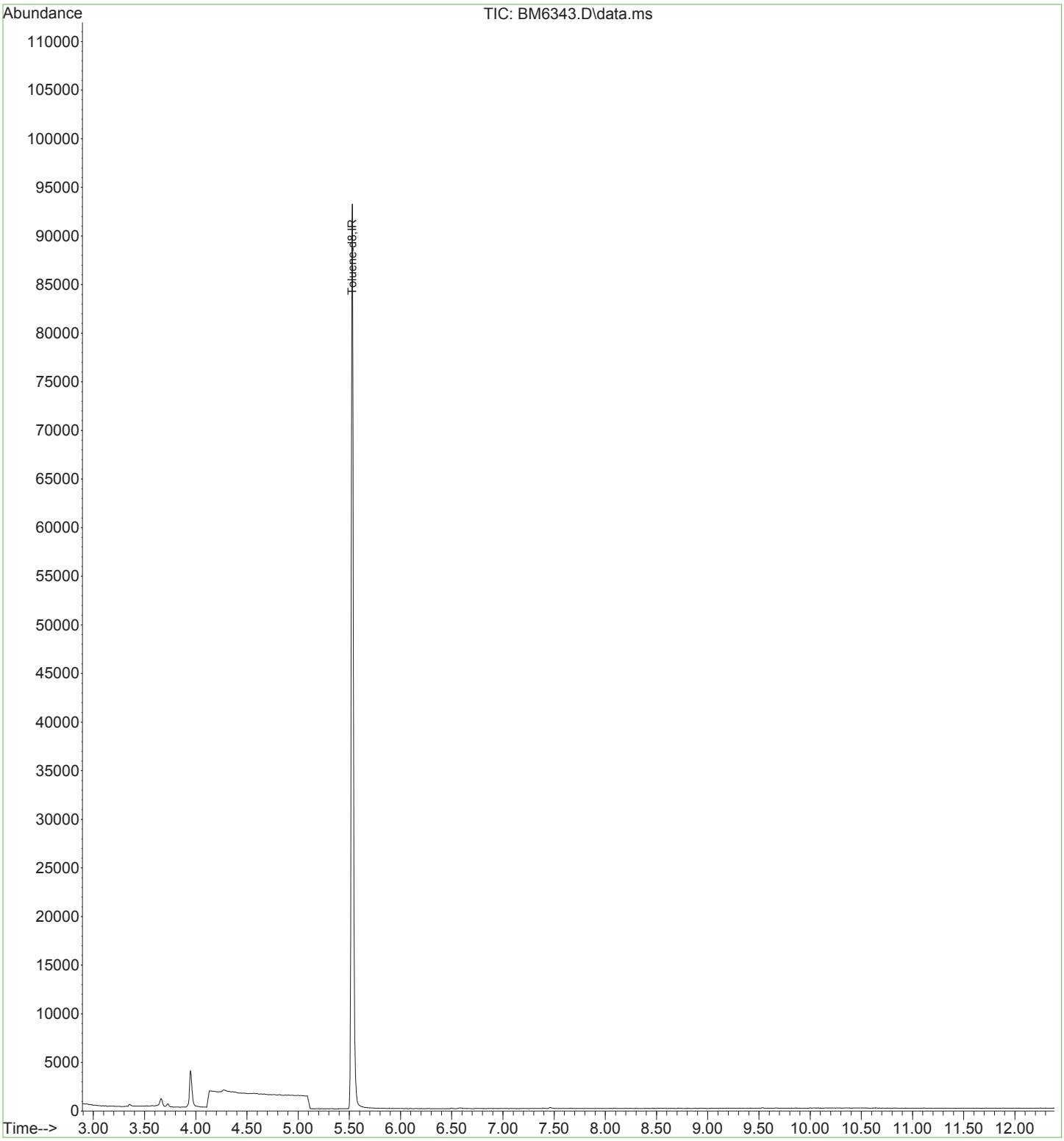
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.529	98	80611	100.00	ppb	-0.05
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	0.000	46	0d	0.00	ppb	
Spiked Amount 100.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) 1,4-Dioxane	0.000		0	N.D.	d	

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

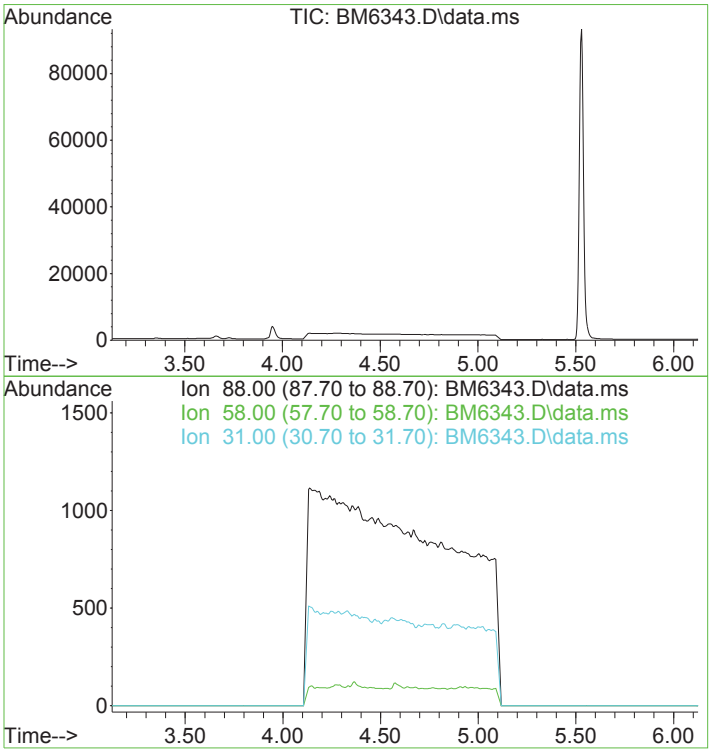
1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6343.D
Acq On : 16 Jul 2024 02:41 pm
Operator : KProcopio
Sample : Inst. blk 8270
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:21:32 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration



1st 07/17/24
2nd 07/17/24



#2
1,4-Dioxane
Concen: N.D.
Expected RT: 4.63 min

Lab File: BM6343.D
Acq: 16 Jul 2024 02:41 pm

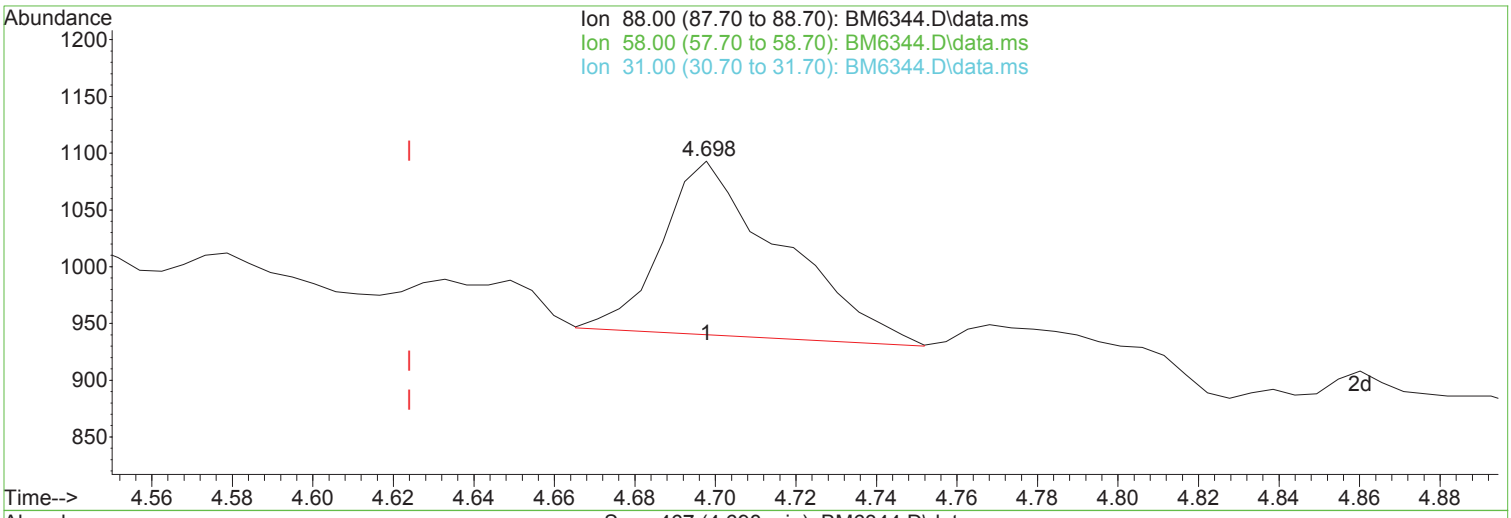
Tgt Ion: 88

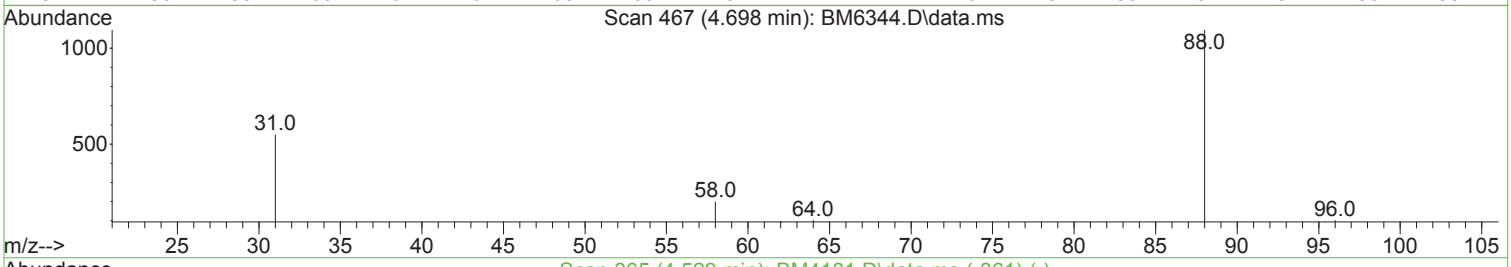
Sig	Exp Ratio
88	100
58	67.0
31	30.4

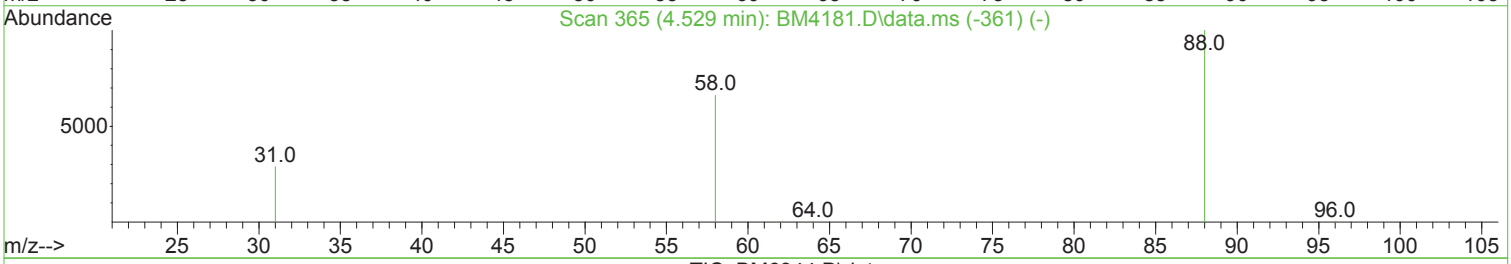
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6344.D
Acq On : 16 Jul 2024 02:59 pm
Operator : KProcopio
Sample : 1ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 08:16:10 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration







TIC: BM6344.D\data.ms

(2) 1,4-Dioxane (T)

4.698min (+ 0.074) 1.23 ppb m

response 315

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	67.00	18.12#
31.00	30.40	50.14
0.00	0.00	0.00

Manual Integration:

After

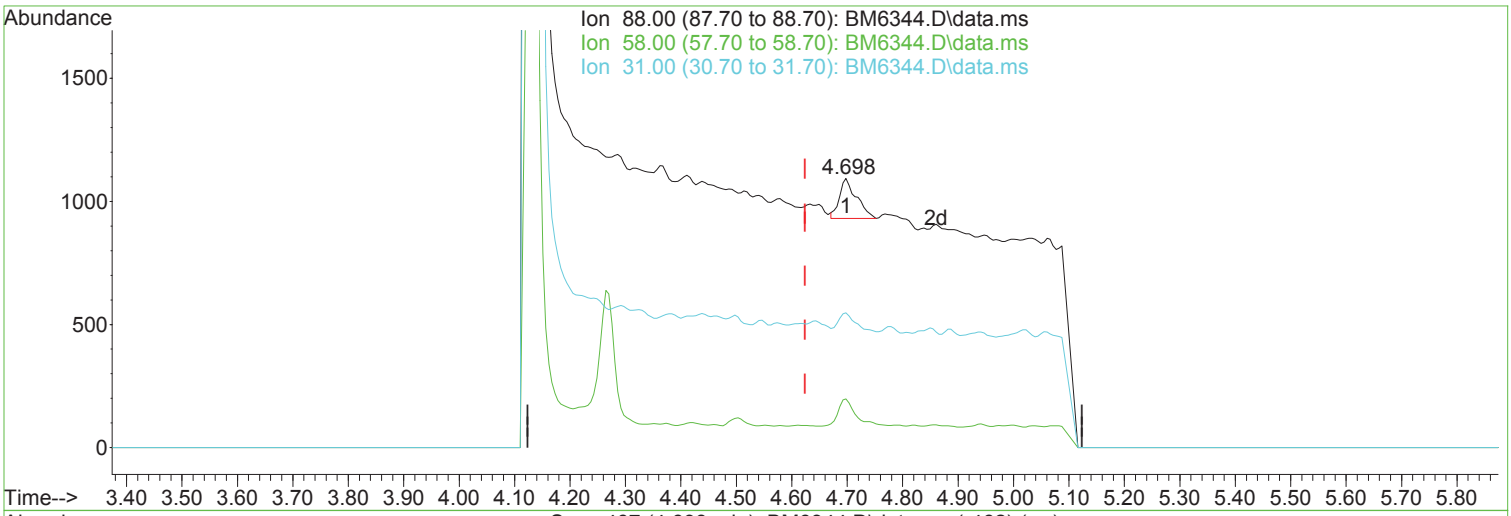
Poor integration.

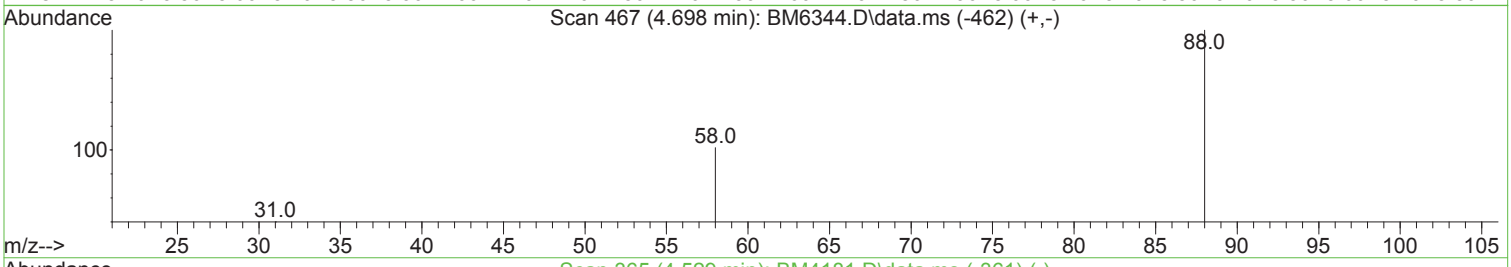
07/17/24

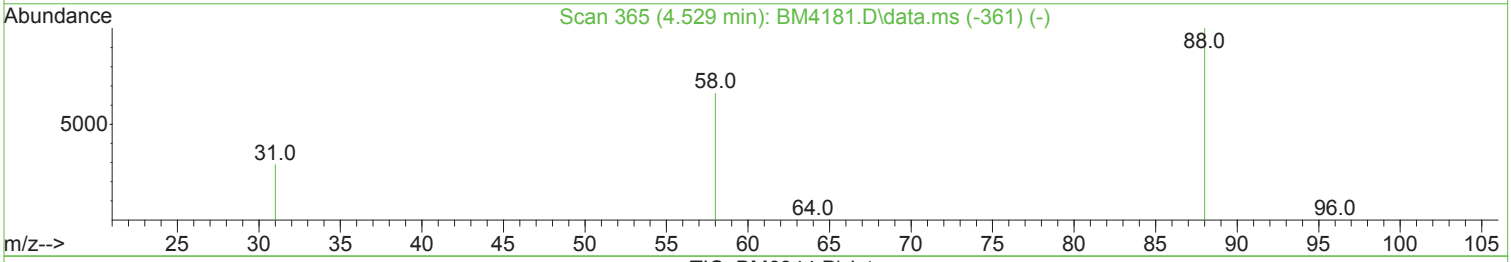
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6344.D
Acq On : 16 Jul 2024 02:59 pm
Operator : KProcopio
Sample : 1ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 08:16:10 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration







TIC: BM6344.D\data.ms

(2) 1,4-Dioxane (T)

4.698min (+ 0.074) 1.34 ppb

response 344

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	67.00	67.44
31.00	30.40	46.84
0.00	0.00	0.00

Manual Integration:

Before

07/17/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6344.D
Acq On : 16 Jul 2024 02:59 pm
Operator : KProcopio
Sample : 1ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 08:16:10 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

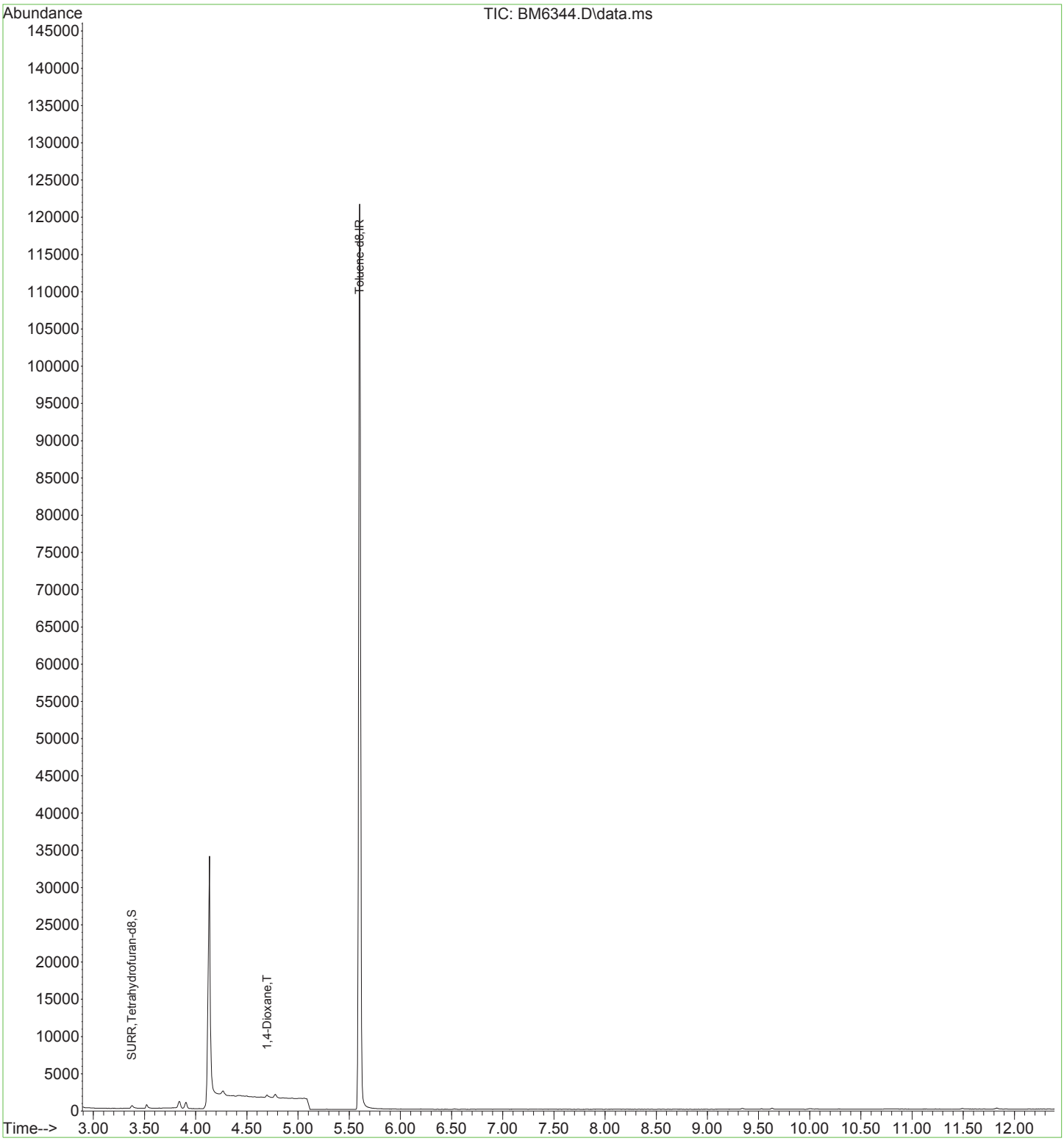
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.601	98	95630	100.00	ppb	0.03
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.375	46	278	0.96	ppb	0.09
Spiked Amount 100.000	Range 70 - 130		Recovery =	0.96%#		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.698	88	315m	1.225	ppb	

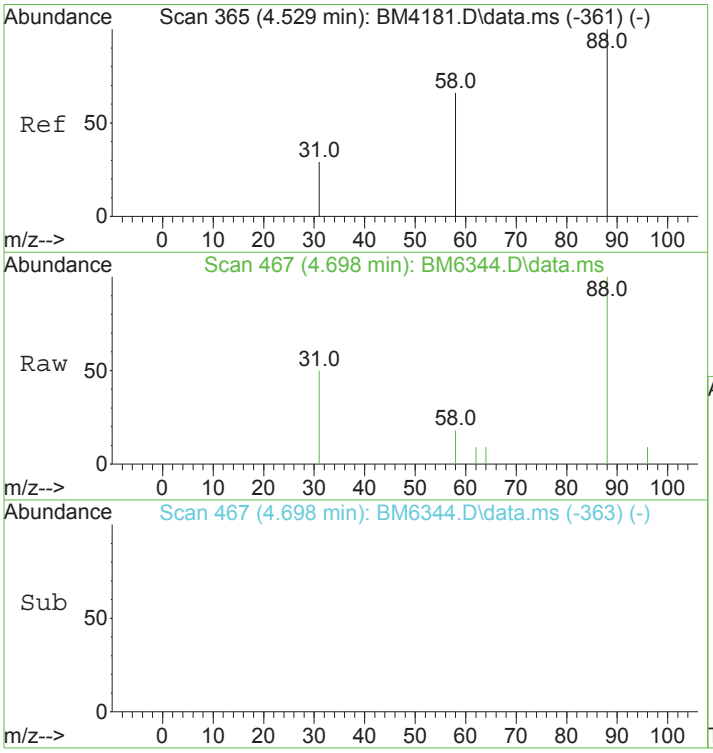
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6344.D
Acq On : 16 Jul 2024 02:59 pm
Operator : KProcopio
Sample : 1ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 08:16:10 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

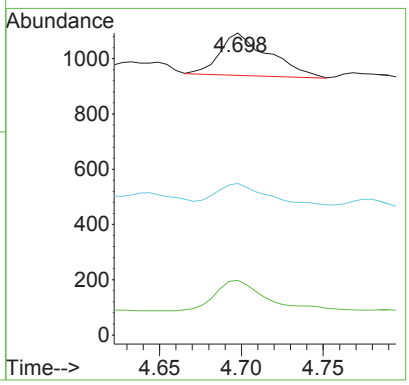




#2
1,4-Dioxane
Concen: 1.23 ppb m
RT: 4.698 min Scan# 467
Delta R.T. 0.074 min
Lab File: BM6344.D
Acq: 16 Jul 2024 02:59 pm

Tgt Ion: 88 Resp: 315

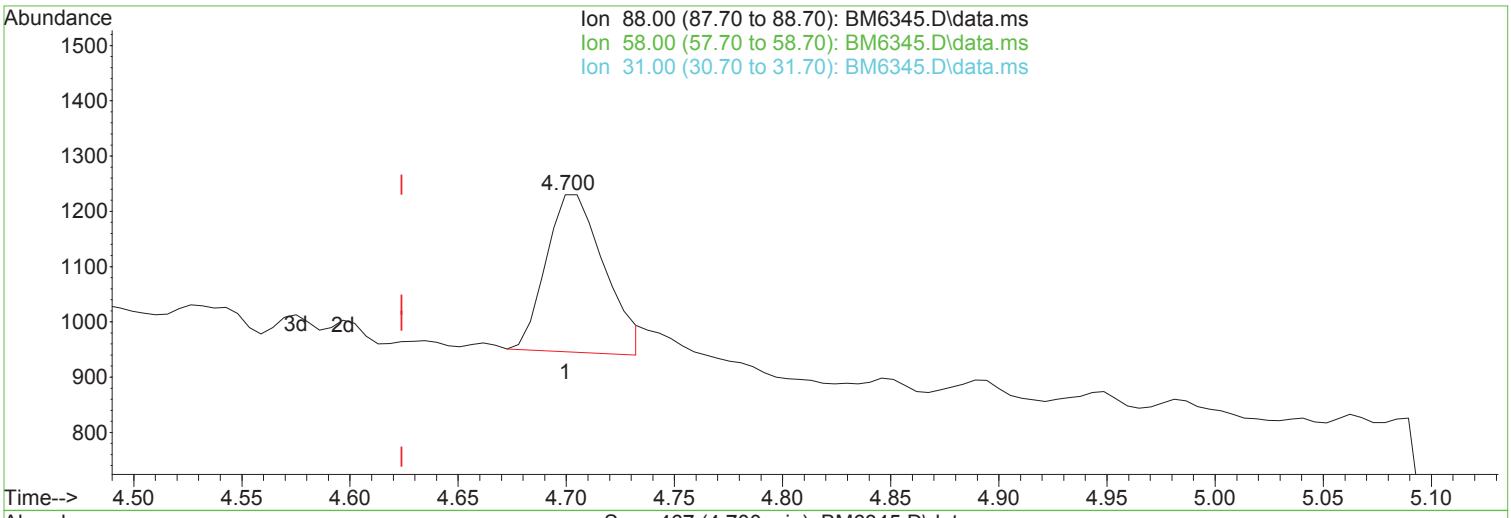
Ion	Ratio	Lower	Upper
88	100		
58	18.1	47.0	87.0#
31	50.1	10.4	50.4

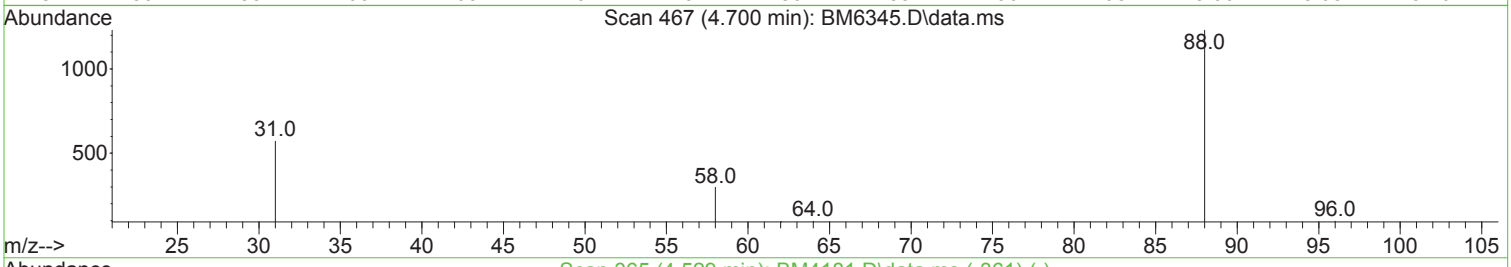


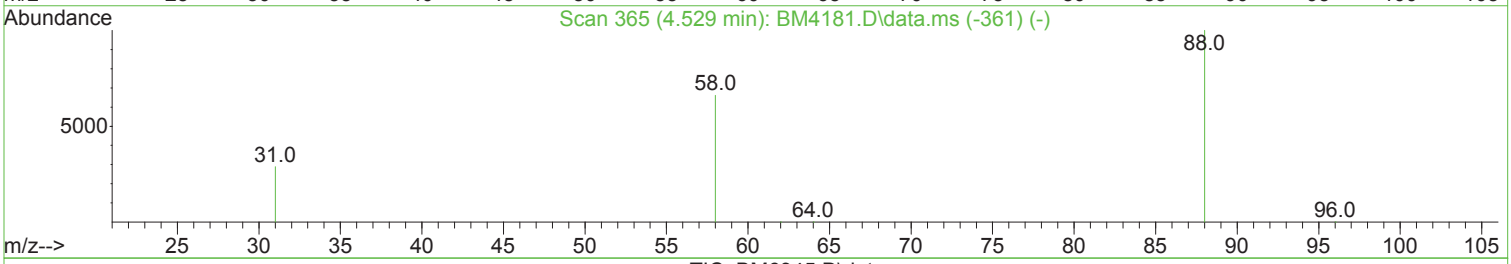
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6345.D
Acq On : 16 Jul 2024 03:17 pm
Operator : KProcopio
Sample : 2ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 08:16:12 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration







TIC: BM6345.D\data.ms

(2) 1,4-Dioxane (T)

4.700min (+ 0.076) 1.99 ppb m

response 534

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	67.00	24.15#
31.00	30.40	46.34
0.00	0.00	0.00

Manual Integration:

After

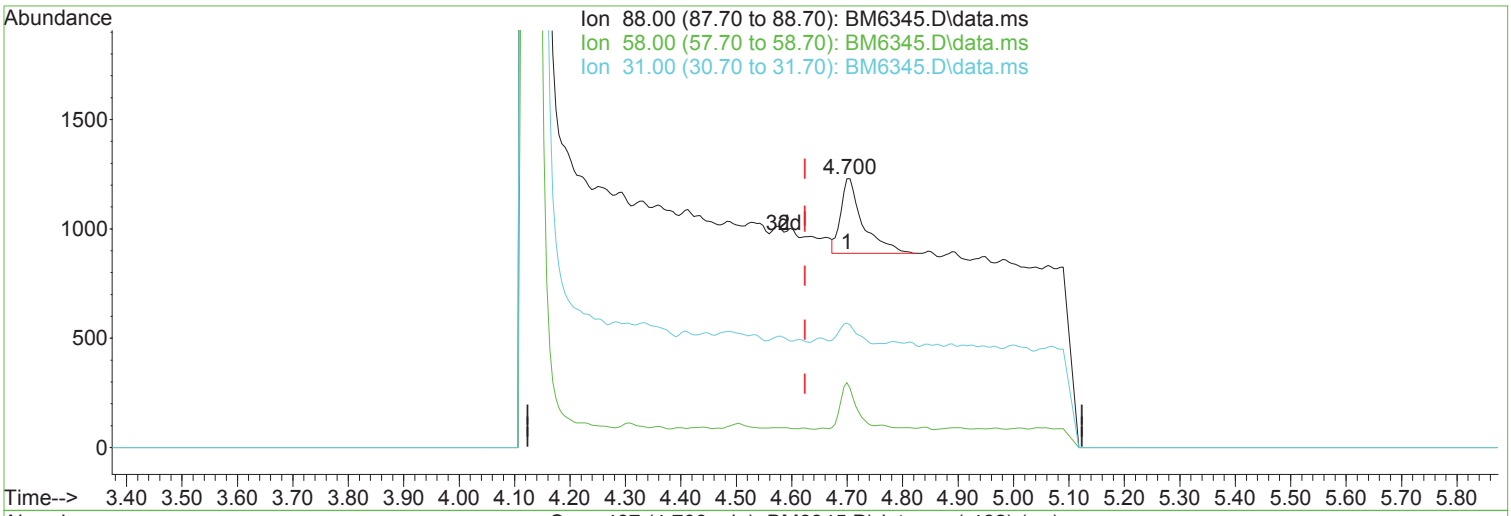
Poor integration.

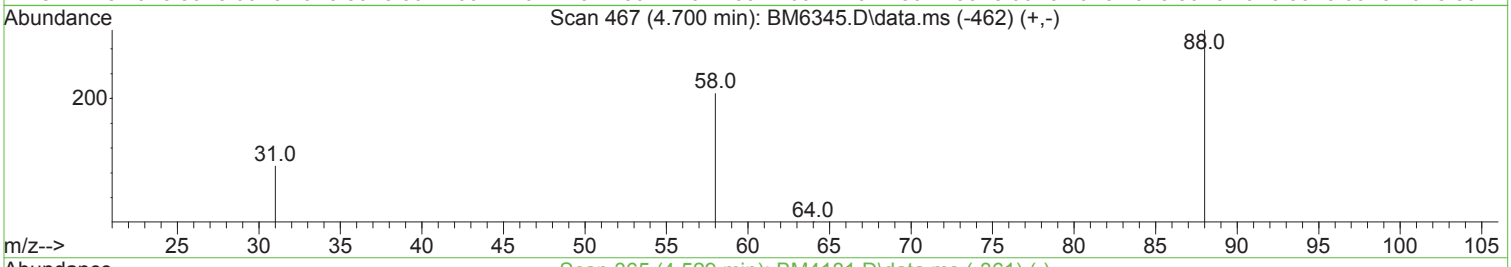
07/17/24

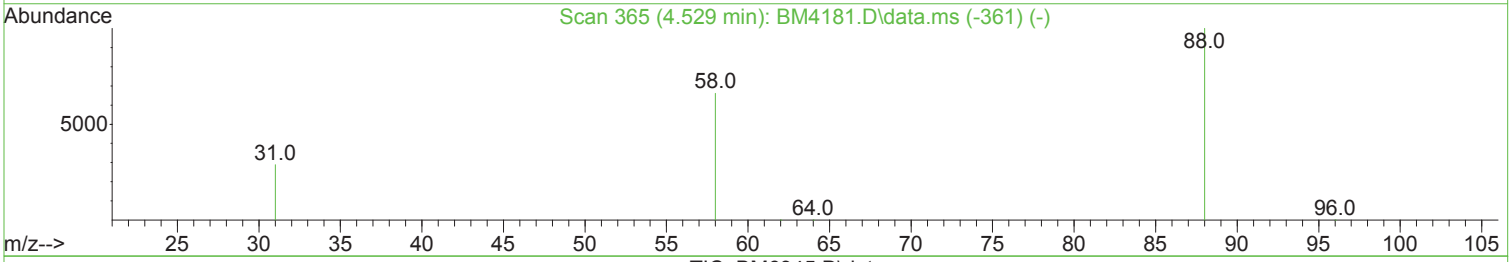
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6345.D
Acq On : 16 Jul 2024 03:17 pm
Operator : KProcopio
Sample : 2ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 08:16:12 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration







TIC: BM6345.D\data.ms

(2) 1,4-Dioxane (T)

4.700min (+ 0.076) 3.55 ppb

response 955

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	67.00	66.99
31.00	30.40	29.31
0.00	0.00	0.00

Manual Integration:

Before

07/17/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6345.D
Acq On : 16 Jul 2024 03:17 pm
Operator : KProcopio
Sample : 2ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 08:16:12 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

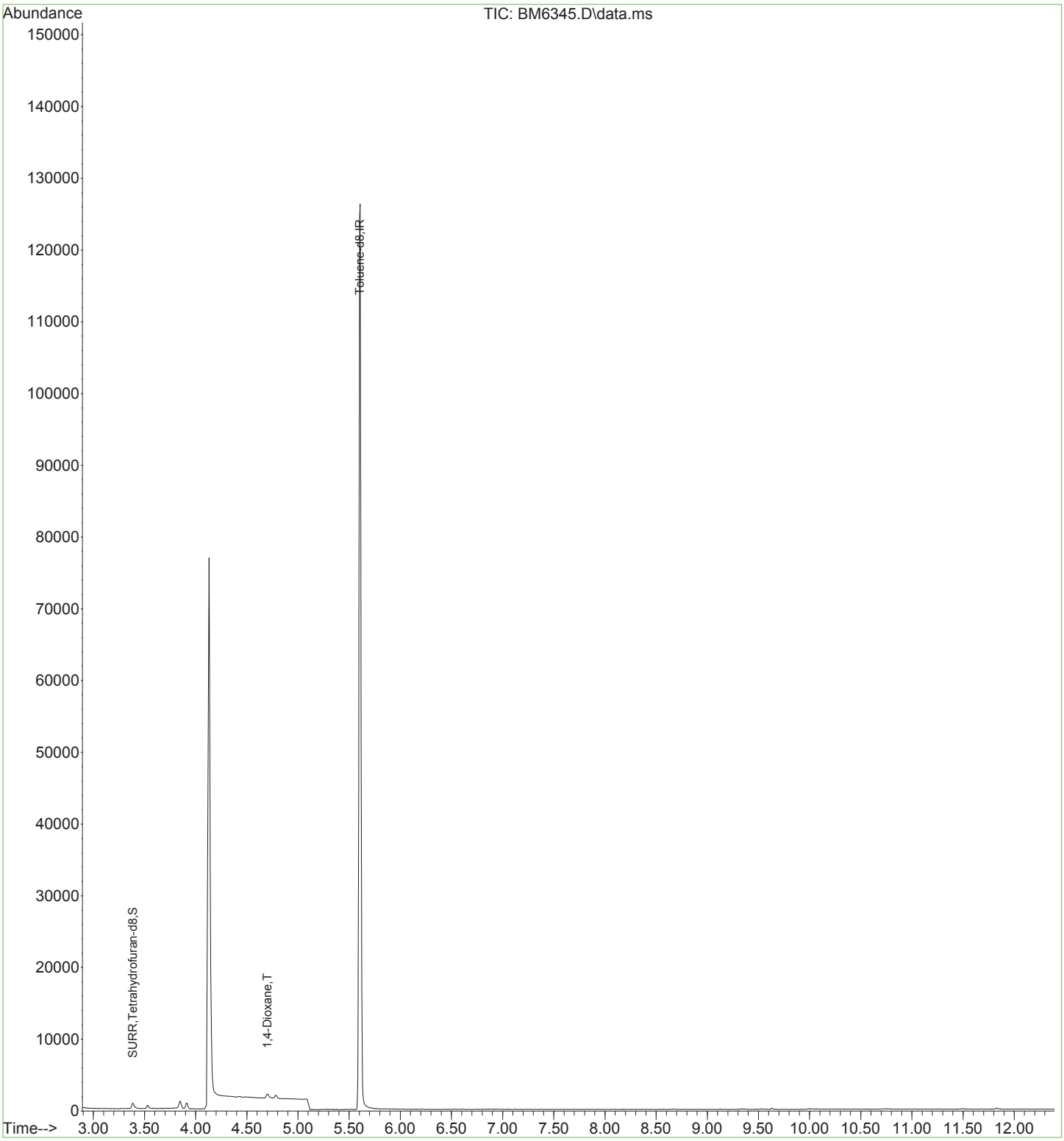
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.603	98	99945	100.00	ppb	0.03
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.385	46	543	1.79	ppb	0.10
Spiked Amount 100.000	Range 70 - 130		Recovery = 1.79%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.700	88	534m	1.988	ppb	

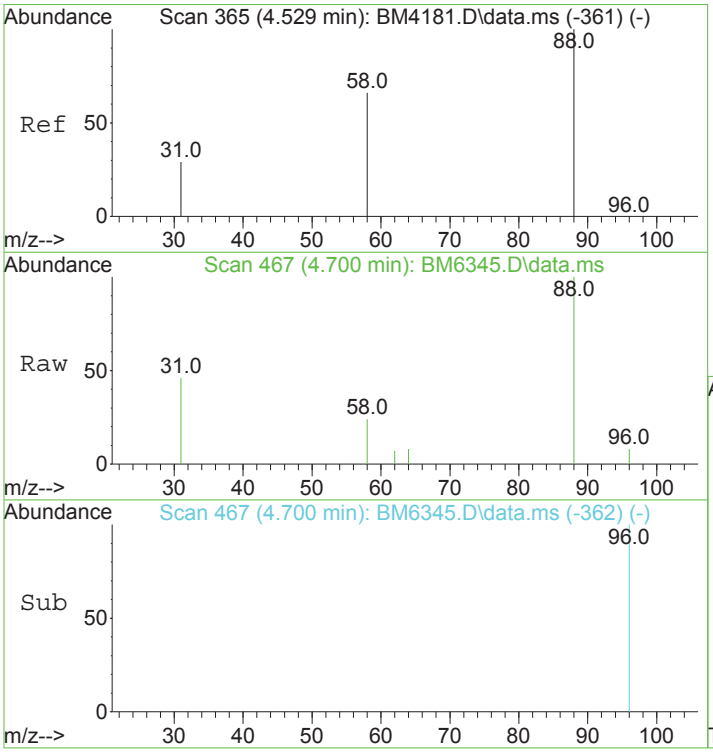
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6345.D
Acq On : 16 Jul 2024 03:17 pm
Operator : KProcopio
Sample : 2ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 08:16:12 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

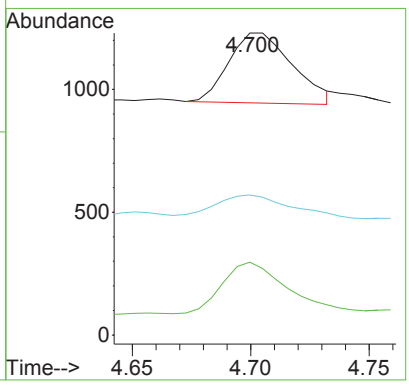




#2
1,4-Dioxane
Concen: 1.99 ppb m
RT: 4.700 min Scan# 467
Delta R.T. 0.076 min
Lab File: BM6345.D
Acq: 16 Jul 2024 03:17 pm

Tgt Ion: 88 Resp: 534

Ion	Ratio	Lower	Upper
88	100		
58	24.1	47.0	87.0#
31	46.3	10.4	50.4



1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6346.D
Acq On : 16 Jul 2024 03:36 pm
Operator : KProcopio
Sample : 10ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 17 08:16:14 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

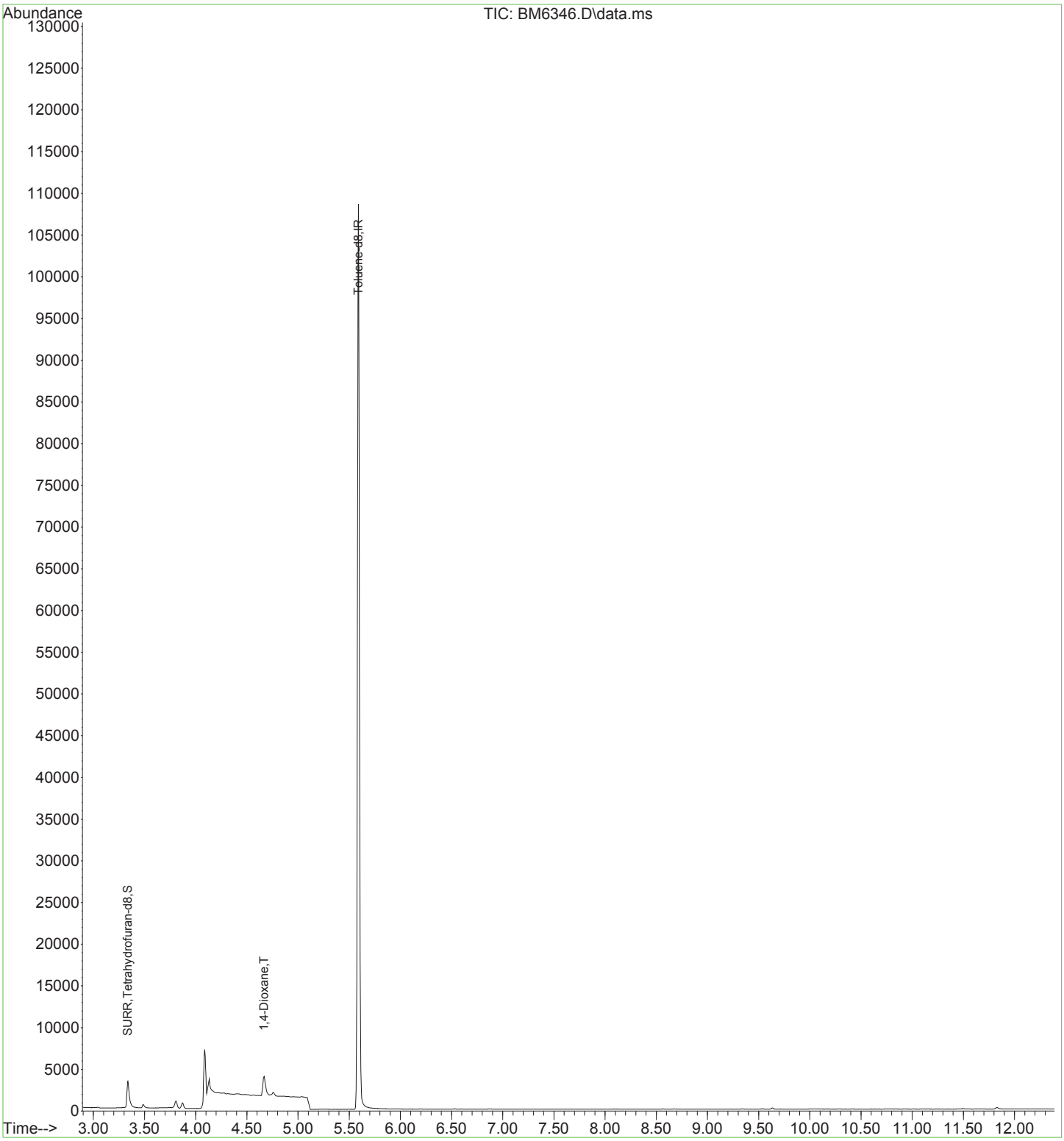
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.590	98	85325	100.00	ppb	0.02
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.335	46	2277	8.78	ppb	0.05
Spiked Amount 100.000	Range 70 - 130		Recovery = 8.78%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.667	88	2166	9.444	ppb	93

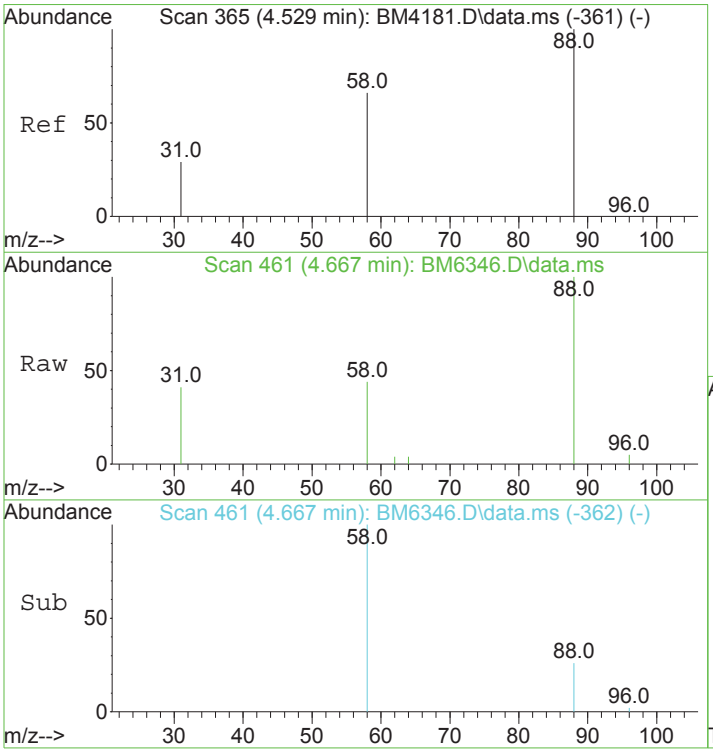
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6346.D
Acq On : 16 Jul 2024 03:36 pm
Operator : KProcopio
Sample : 10ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 17 08:16:14 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

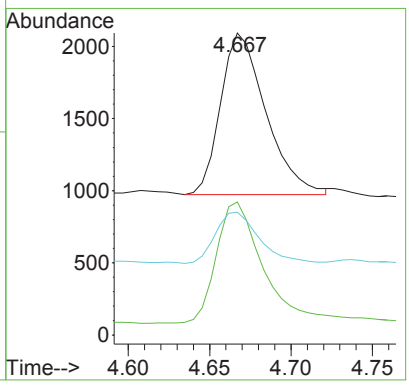




#2
1,4-Dioxane
Concen: 9.44 ppb
RT: 4.667 min Scan# 461
Delta R.T. 0.043 min
Lab File: BM6346.D
Acq: 16 Jul 2024 03:36 pm

Tgt Ion: 88 Resp: 2166

Ion	Ratio	Lower	Upper
88	100		
58	73.8	47.0	87.0
31	31.8	10.4	50.4



1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6347.D
Acq On : 16 Jul 2024 03:55 pm
Operator : KProcopio
Sample : 20ppb
Misc :
ALS Vial : 6 Sample Multiplier: 1

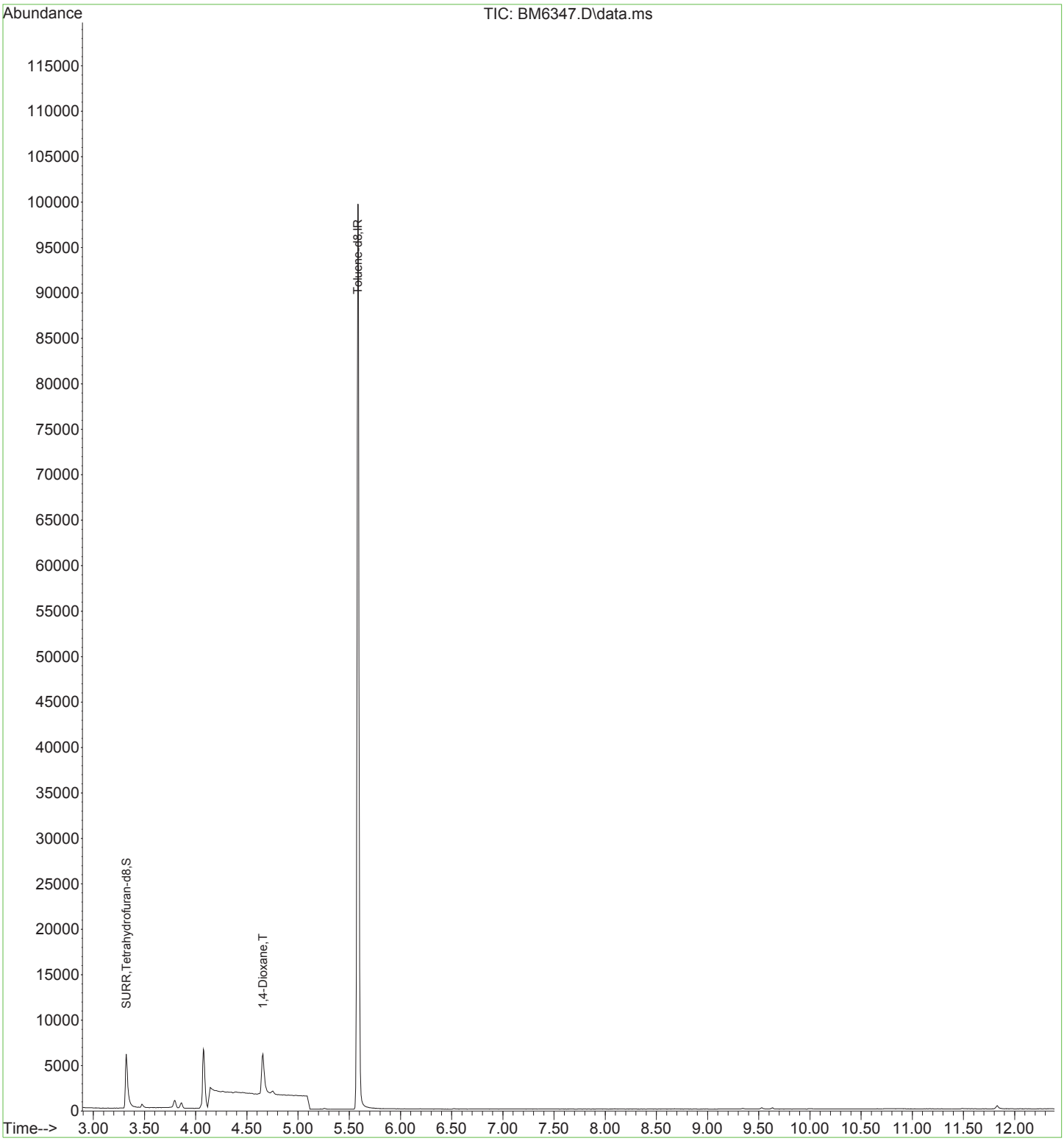
Quant Time: Jul 17 08:16:16 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

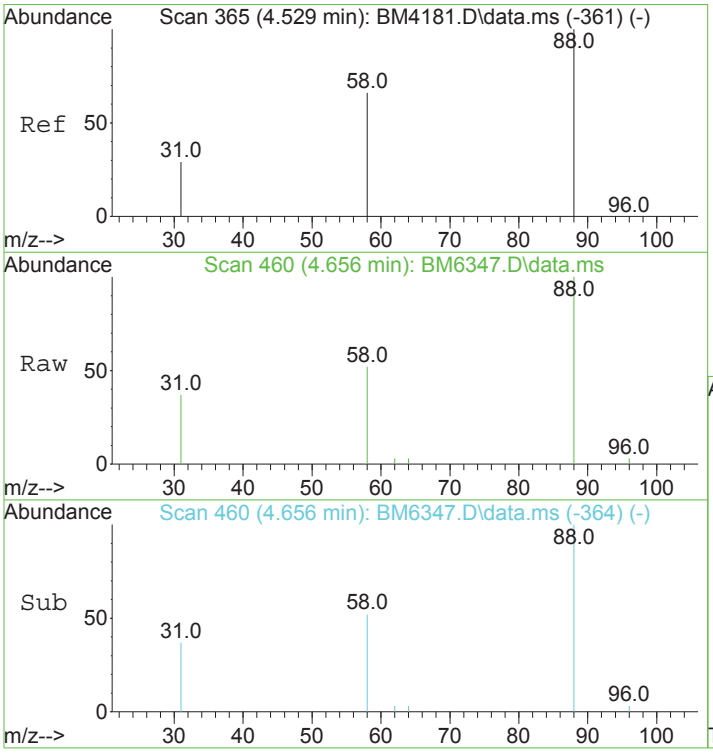
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.585	98	78658	100.00	ppb	0.01
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.321	46	4443	18.57	ppb	0.04
Spiked Amount 100.000	Range 70 - 130		Recovery = 18.57%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.656	88	4225	19.982	ppb	95

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

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6347.D
Acq On : 16 Jul 2024 03:55 pm
Operator : KProcopio
Sample : 20ppb
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 17 08:16:16 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

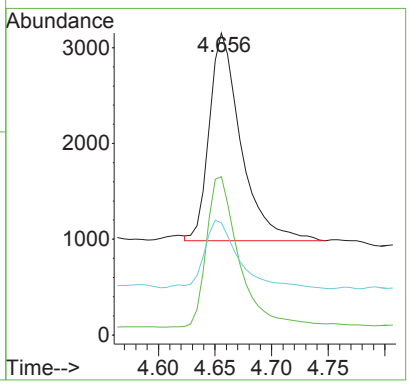




#2
1,4-Dioxane
Concen: 19.98 ppb
RT: 4.656 min Scan# 460
Delta R.T. 0.032 min
Lab File: BM6347.D
Acq: 16 Jul 2024 03:55 pm

Tgt Ion: 88 Resp: 4225

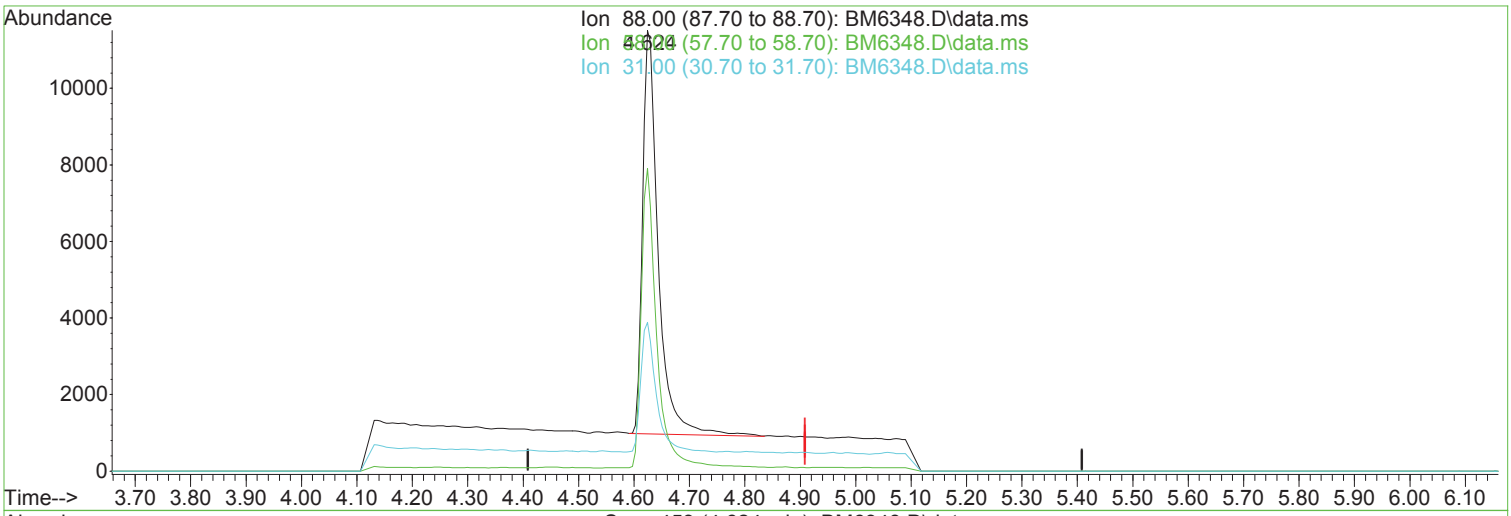
Ion	Ratio	Lower	Upper
88	100		
58	72.2	47.0	87.0
31	31.1	10.4	50.4

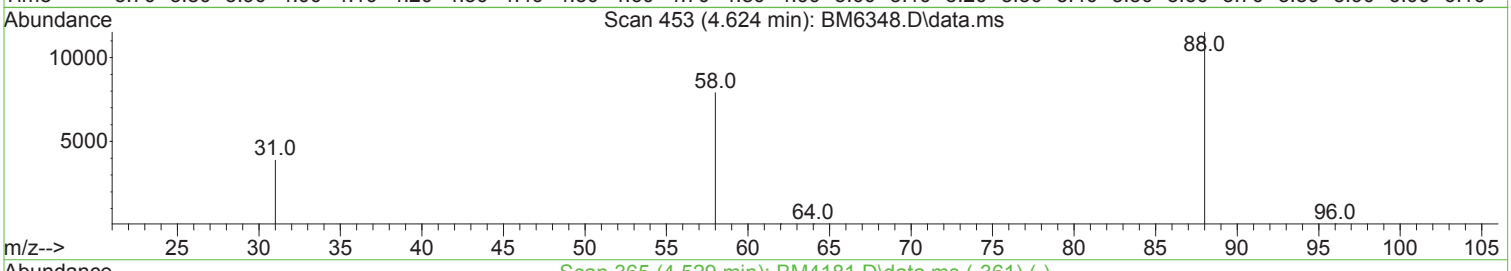


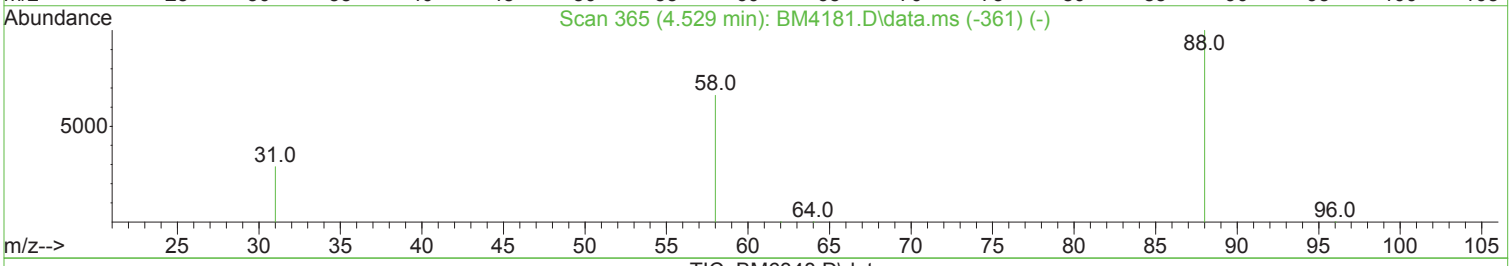
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6348.D
Acq On : 16 Jul 2024 04:13 pm
Operator : KProcopio
Sample : 100pb
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 08:14:13 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jul 15 08:57:32 2024
Response via : Initial Calibration







TIC: BM6348.D\data.ms

(2) 1,4-Dioxane (T)

4.624min (-0.285) 104.74 ppb m

response 20692

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	67.00	68.67
31.00	30.40	33.75
0.00	0.00	0.00

Manual Integration:

After

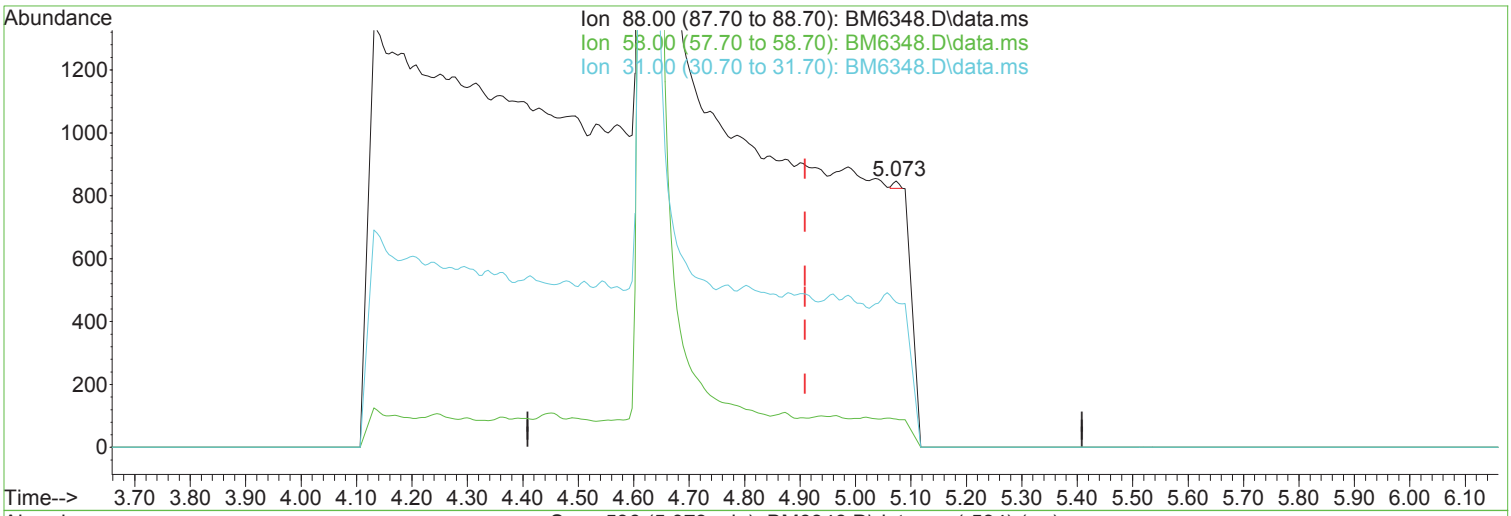
Wrong peak selected.

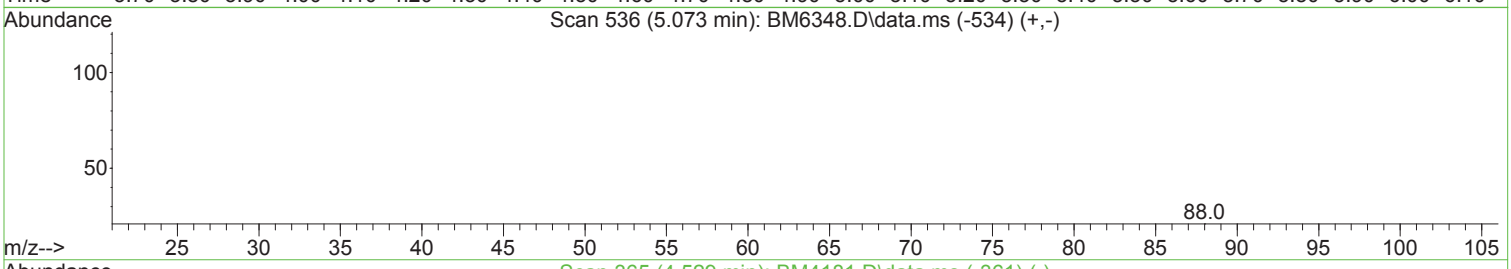
07/17/24

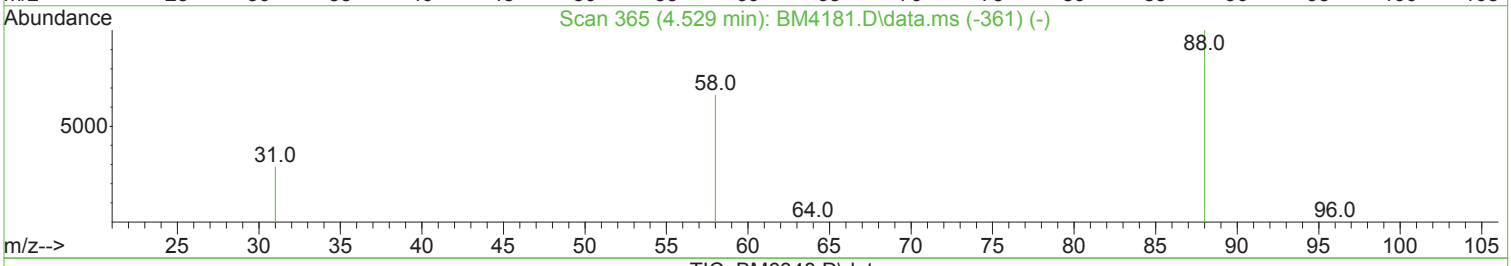
1st 07/17/24
2nd 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6348.D
Acq On : 16 Jul 2024 04:13 pm
Operator : KProcopio
Sample : 100pb
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 08:14:13 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jul 15 08:57:32 2024
Response via : Initial Calibration







TIC: BM6348.D\data.ms

(2) 1,4-Dioxane (T)

5.073min (+ 0.164) -1.86 ppb

response 17

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	67.00	0.00#
31.00	30.40	0.00#
0.00	0.00	0.00

Manual Integration:

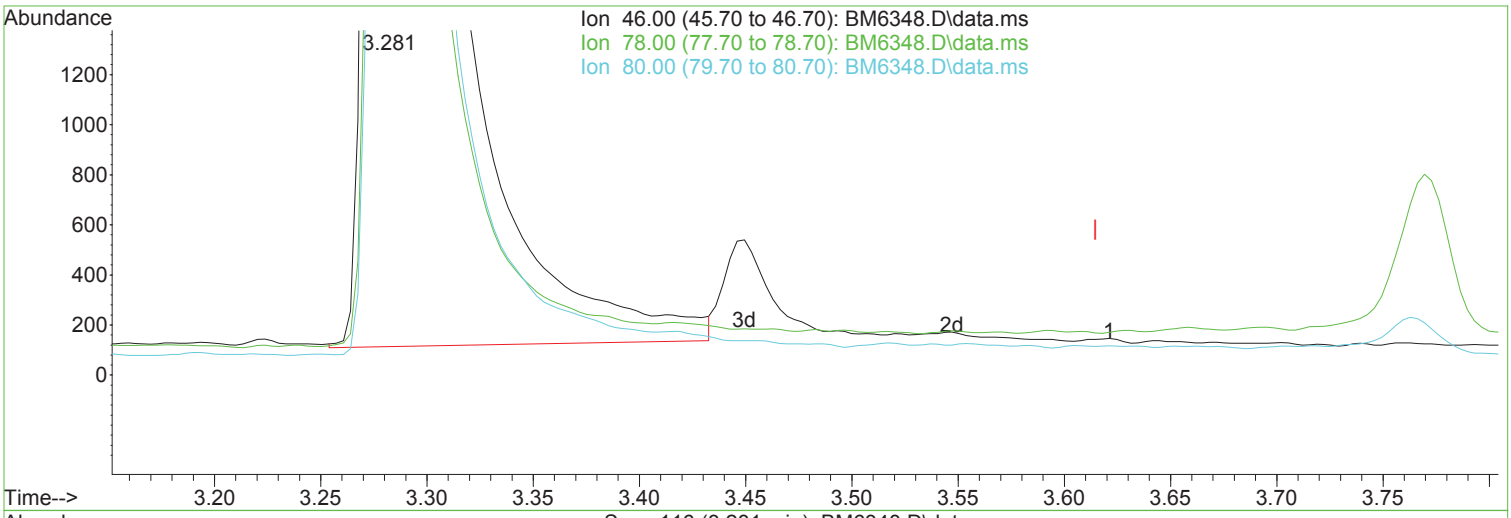
Before

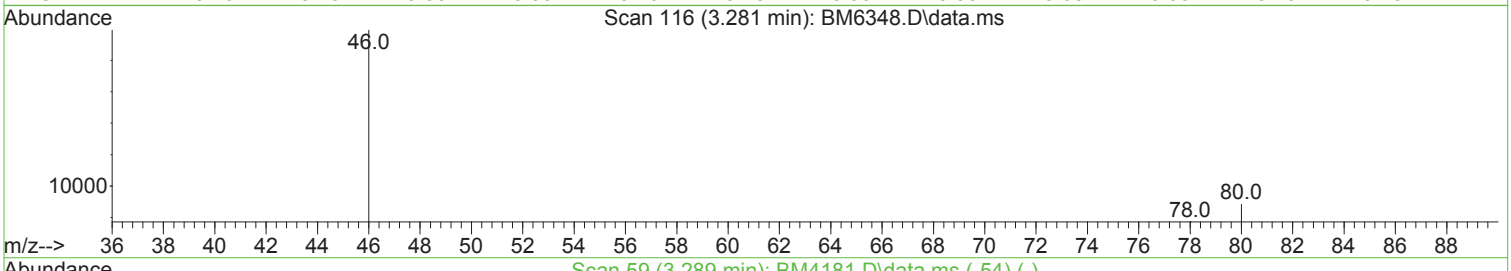
07/17/24

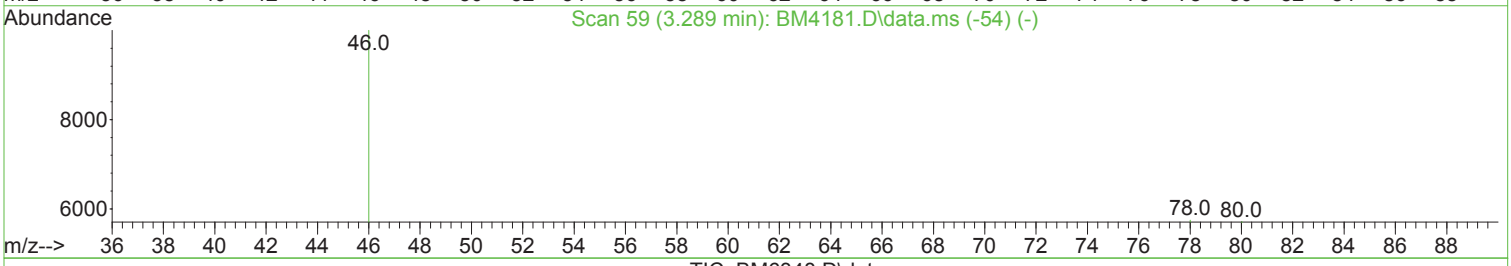
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6348.D
Acq On : 16 Jul 2024 04:13 pm
Operator : KProcopio
Sample : 100pb
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 08:14:13 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jul 15 08:57:32 2024
Response via : Initial Calibration







TIC: BM6348.D\data.ms

(3) SURR,Tetrahydrofuran-d8 (S)

3.281min (-0.334) 127.74 ppb m

response 23409

Ion	Exp%	Act%
46.00	100.00	100.00
78.00	59.10	59.21
80.00	65.00	62.96
0.00	0.00	0.00

Manual Integration:

After

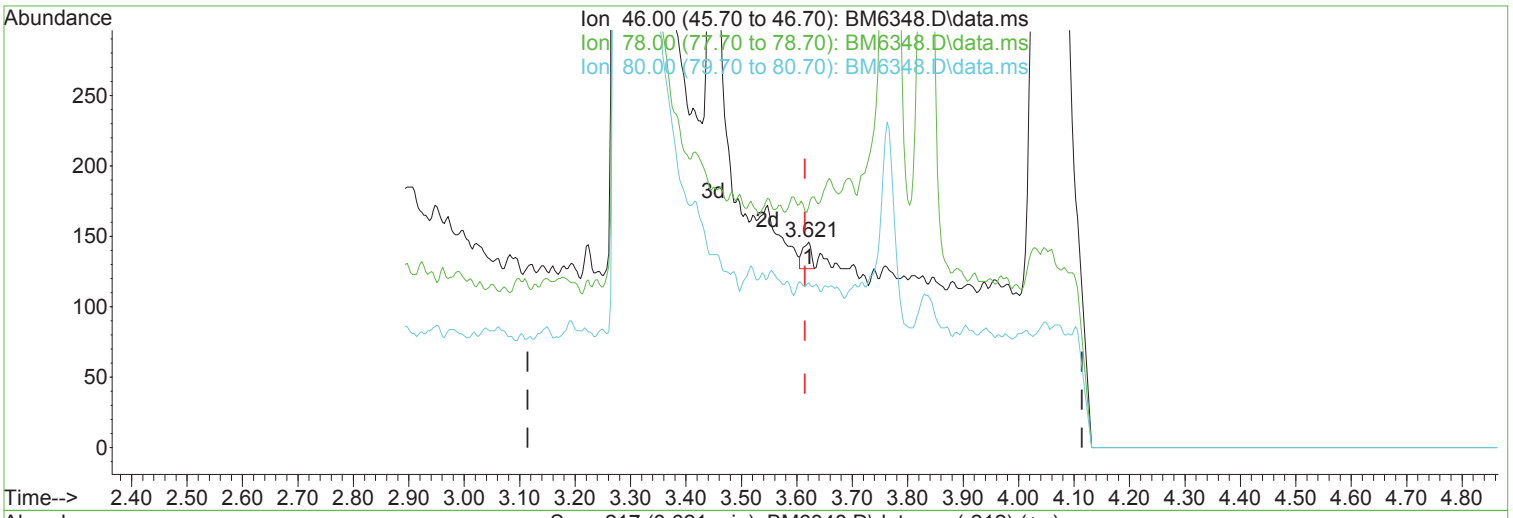
Wrong peak selected.

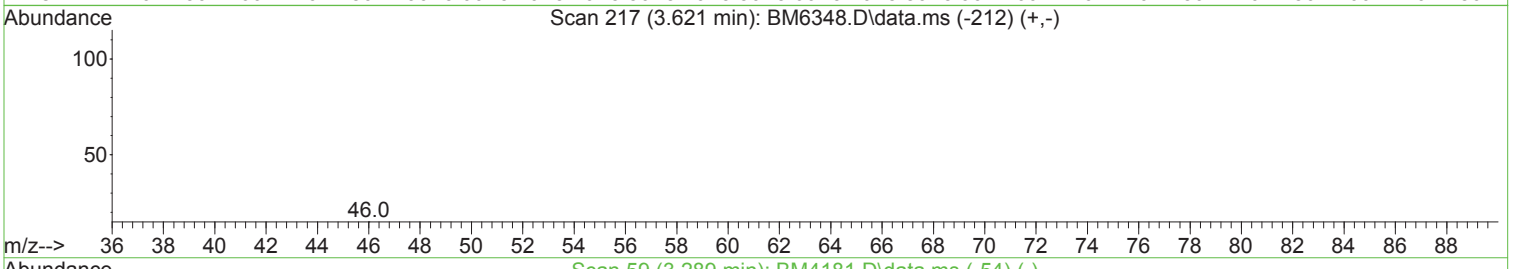
07/17/24

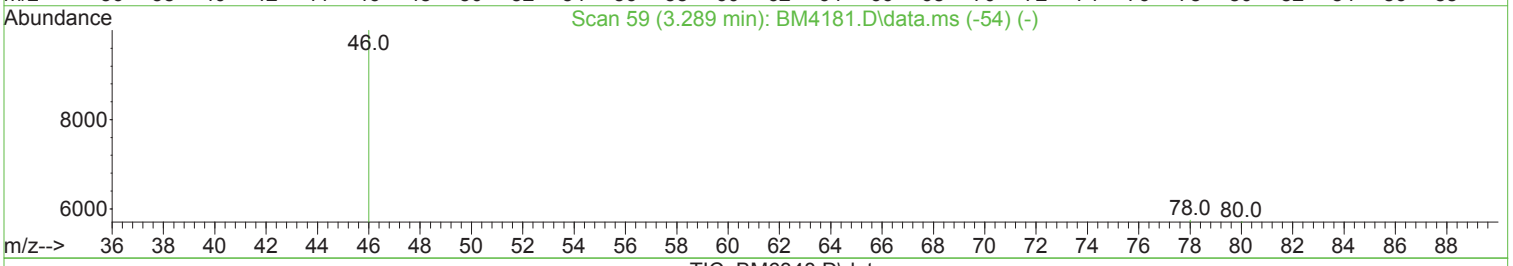
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6348.D
Acq On : 16 Jul 2024 04:13 pm
Operator : KProcopio
Sample : 100pb
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 08:14:13 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jul 15 08:57:32 2024
Response via : Initial Calibration







TIC: BM6348.D\data.ms

(3) SURR,Tetrahydrofuran-d8 (S)

3.621min (+ 0.006) 0.11 ppb

response 20

Ion	Exp%	Act%
46.00	100.00	100.00
78.00	59.10	0.00#
80.00	65.00	3.33#
0.00	0.00	0.00

Manual Integration:

Before

07/17/24

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6348.D
Acq On : 16 Jul 2024 04:13 pm
Operator : KProcopio
Sample : 100pb
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 08:14:13 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jul 15 08:57:32 2024
Response via : Initial Calibration

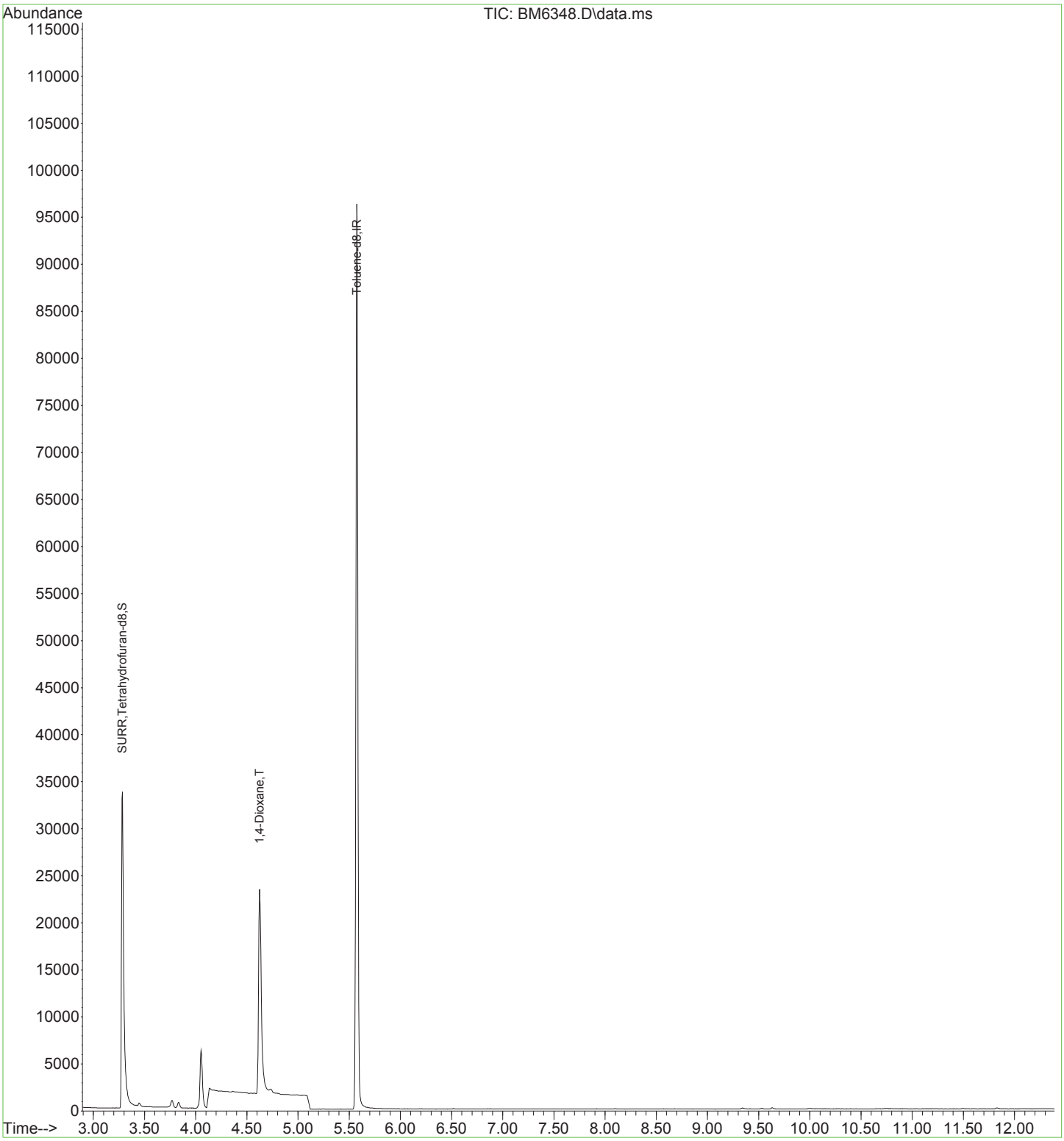
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.573	98	76977	100.00	ppb	-0.22
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.281	46	23409m	127.74	ppb	-0.33
Spiked Amount 100.000	Range 70 - 130		Recovery = 127.74%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.624	88	20692m	104.742	ppb	

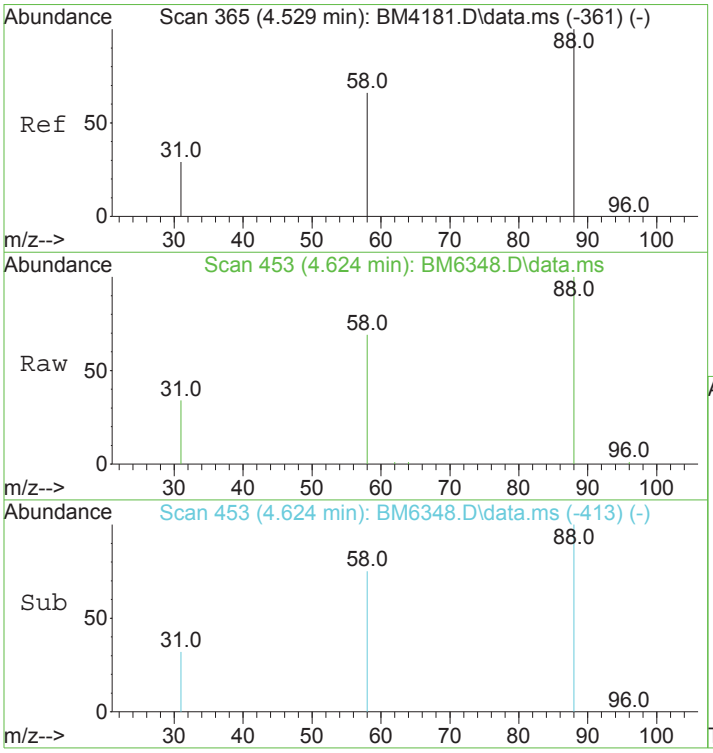
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6348.D
Acq On : 16 Jul 2024 04:13 pm
Operator : KProcopio
Sample : 100pb
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 08:14:13 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jul 15 08:57:32 2024
Response via : Initial Calibration

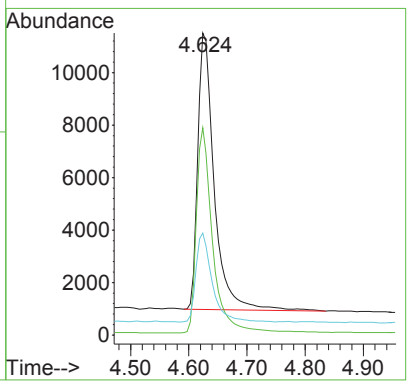




#2
1,4-Dioxane
Concen: 104.74 ppb m
RT: 4.624 min Scan# 453
Delta R.T. -0.285 min
Lab File: BM6348.D
Acq: 16 Jul 2024 04:13 pm

Tgt Ion: 88 Resp: 20692

Ion	Ratio	Lower	Upper
88	100		
58	68.7	47.0	87.0
31	33.8	10.4	50.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6349.D
Acq On : 16 Jul 2024 04:32 pm
Operator : KProcopio
Sample : 200ppb
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 08:16:18 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

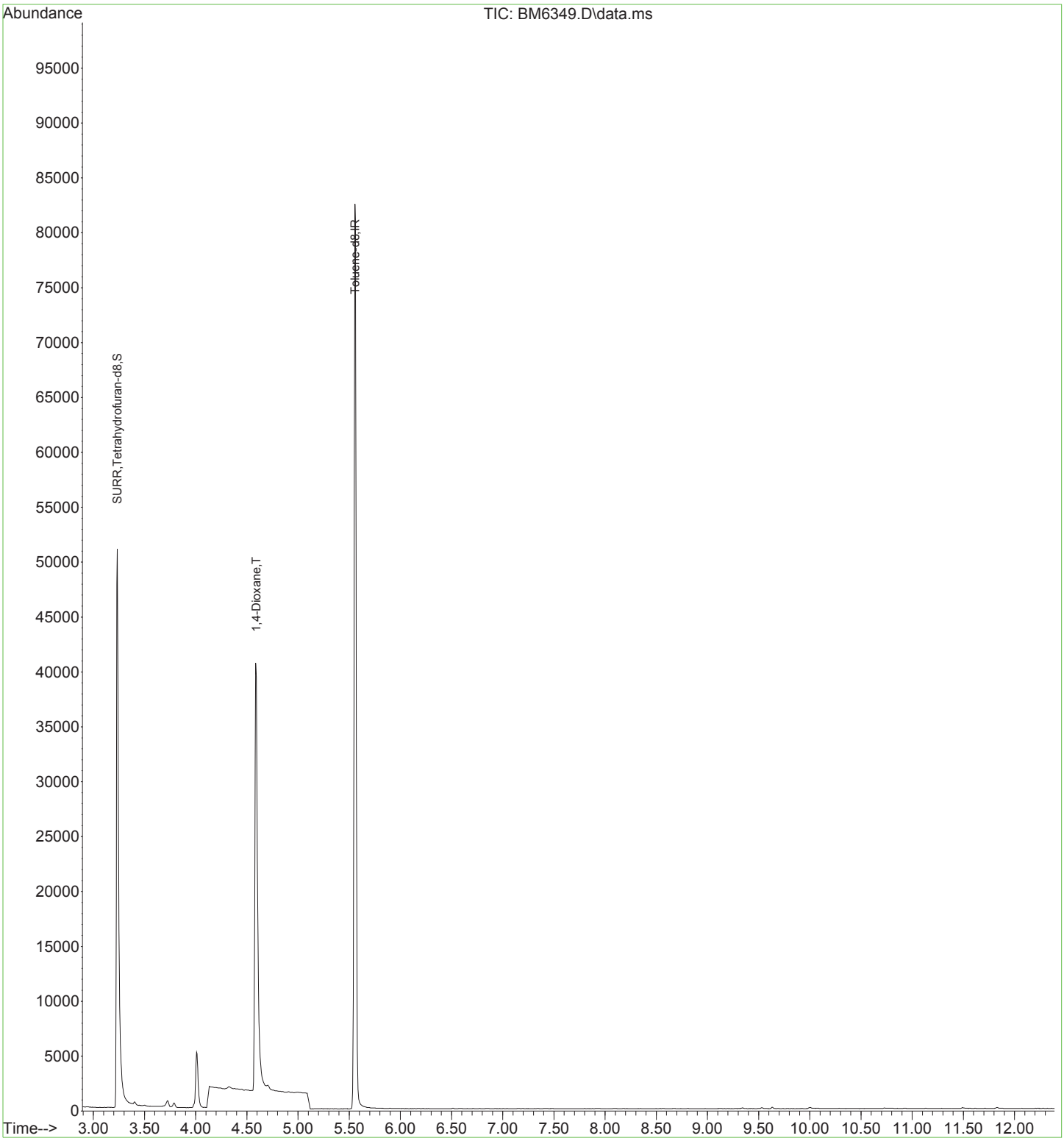
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.556	98	67812	100.00	ppb	-0.02
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.233	46	34295	166.30	ppb	-0.05
Spiked Amount 100.000	Range 70 - 130		Recovery = 166.30%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.591	88	36120	198.153	ppb	99

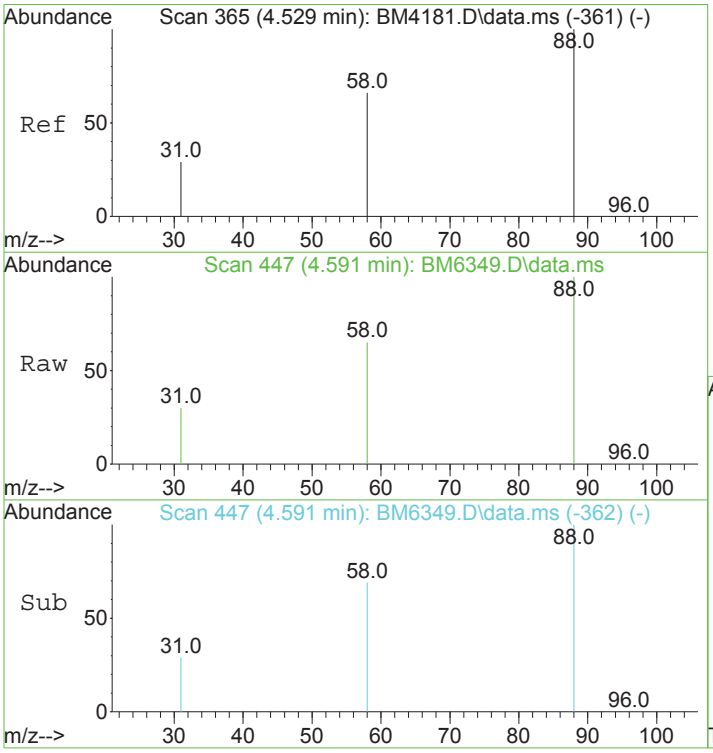
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6349.D
Acq On : 16 Jul 2024 04:32 pm
Operator : KProcopio
Sample : 200ppb
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 08:16:18 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

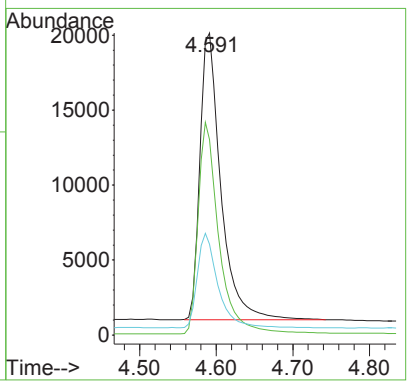




#2
1,4-Dioxane
Concen: 198.15 ppb
RT: 4.591 min Scan# 447
Delta R.T. -0.033 min
Lab File: BM6349.D
Acq: 16 Jul 2024 04:32 pm

Tgt Ion: 88 Resp: 36120

Ion	Ratio	Lower	Upper
88	100		
58	67.6	47.0	87.0
31	29.1	10.4	50.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6350.D
Acq On : 16 Jul 2024 04:50 pm
Operator : KProcopio
Sample : 500ppb
Misc :
ALS Vial : 9 Sample Multiplier: 1

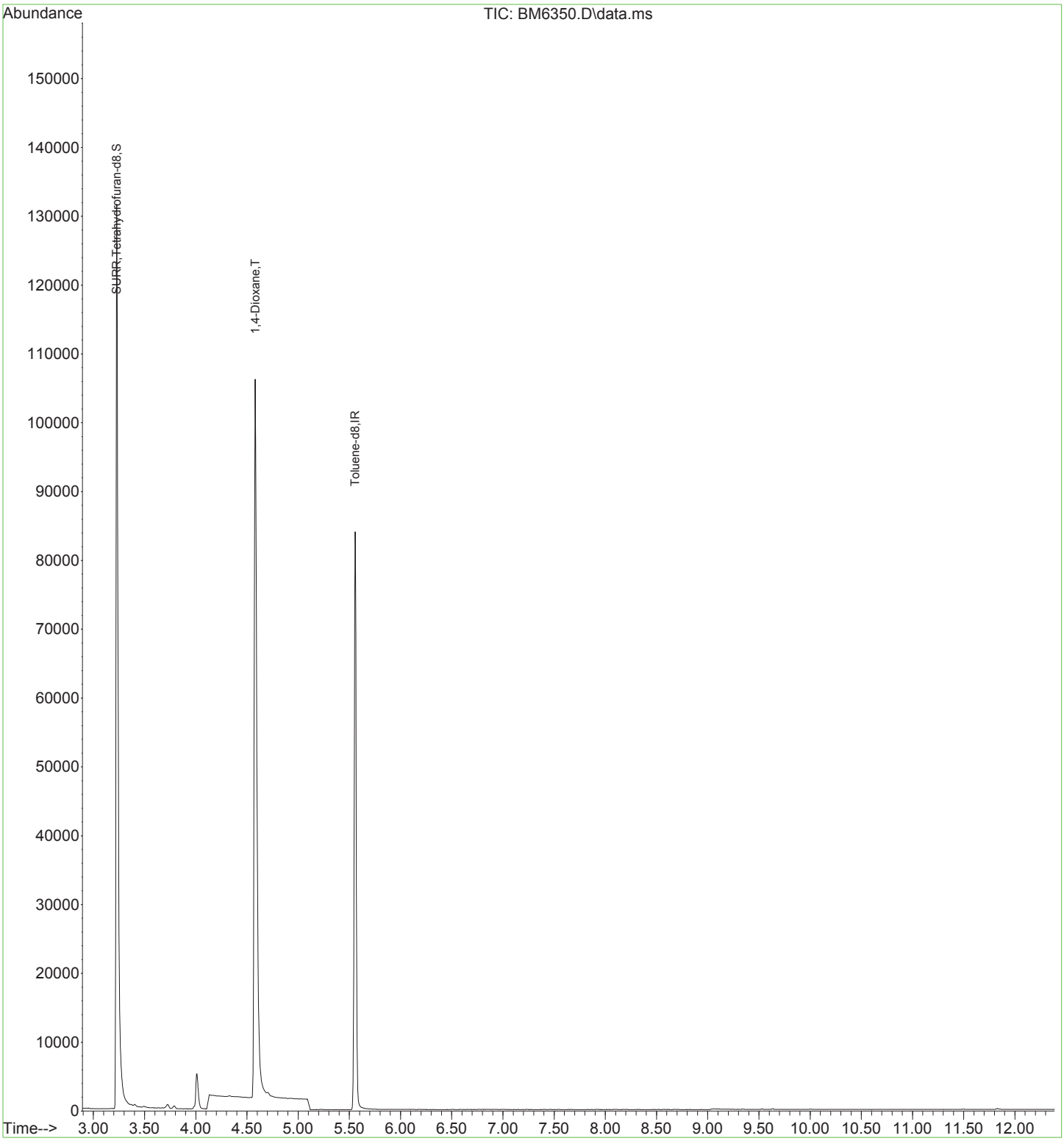
Quant Time: Jul 17 08:16:20 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

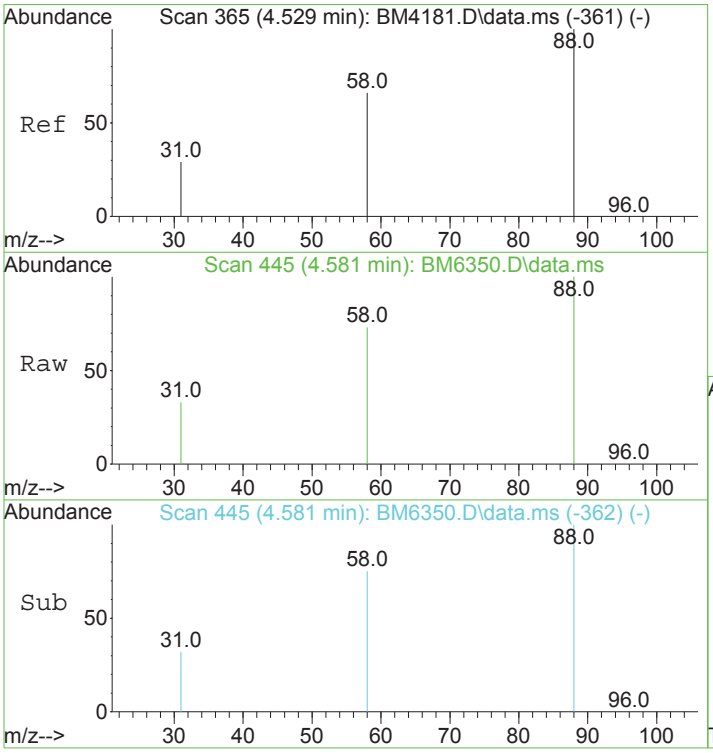
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.556	98	68008	100.00	ppb	-0.02
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.227	46	85219	412.05	ppb	-0.05
Spiked Amount 100.000	Range 70 - 130		Recovery = 412.05%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.581	88	93850	513.373	ppb	93

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

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6350.D
Acq On : 16 Jul 2024 04:50 pm
Operator : KProcopio
Sample : 500ppb
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 17 08:16:20 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

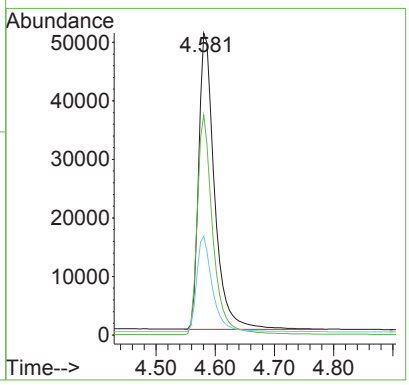




#2
1,4-Dioxane
Concen: 513.37 ppb
RT: 4.581 min Scan# 445
Delta R.T. -0.043 min
Lab File: BM6350.D
Acq: 16 Jul 2024 04:50 pm

Tgt Ion: 88 Resp: 93850

Ion	Ratio	Lower	Upper
88	100		
58	74.1	47.0	87.0
31	32.2	10.4	50.4



1st 07/17/24
2nd 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6351.D
Acq On : 16 Jul 2024 05:08 pm
Operator : KProcopio
Sample : 1000ppb
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 17 08:16:22 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

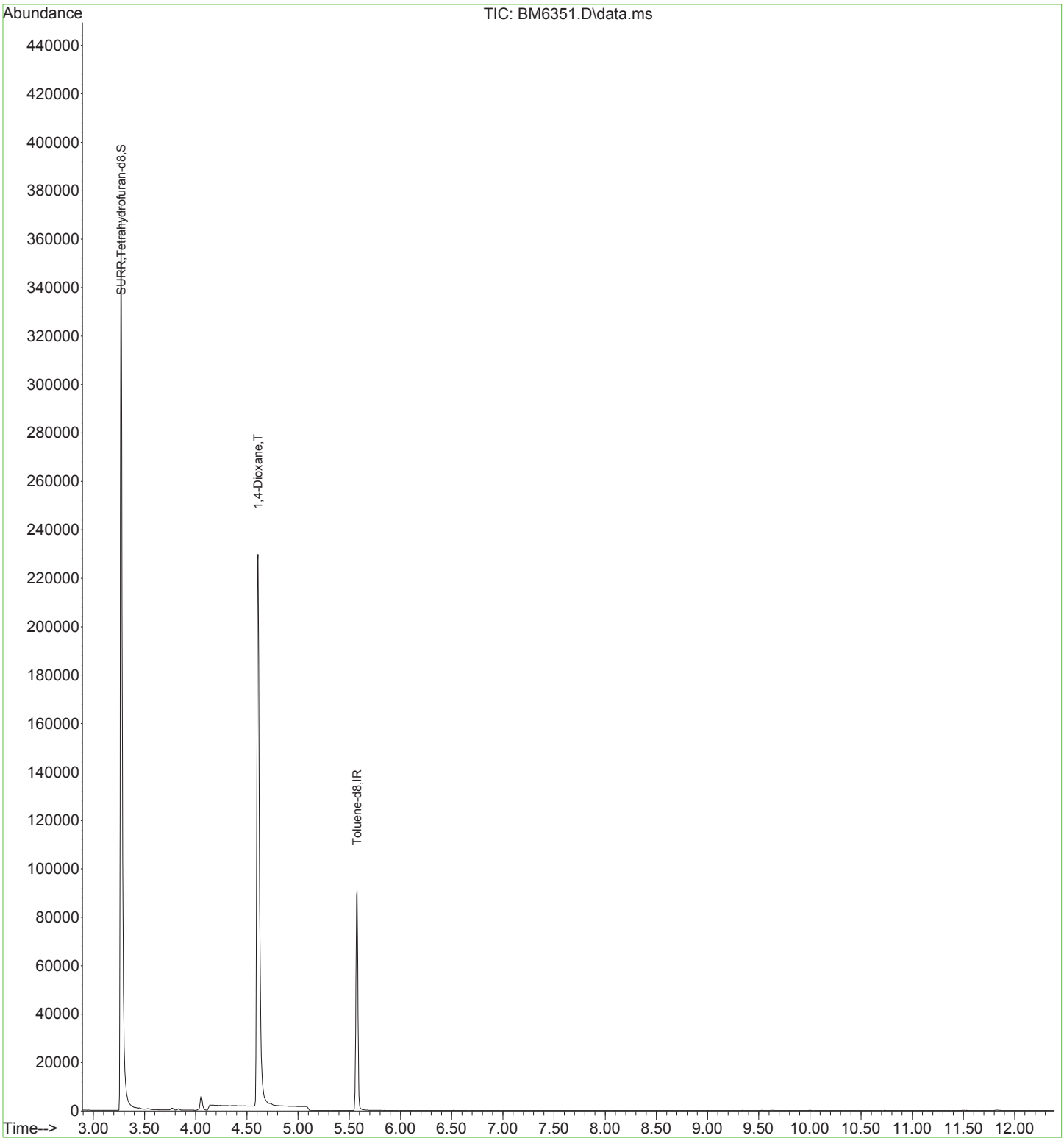
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.575	98	72306	100.00	ppb	0.00
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.271	46	227262	1033.55	ppb	-0.01
Spiked Amount 100.000	Range 70 - 130		Recovery = 1033.55%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.609	88	202852	1043.671	ppb	98

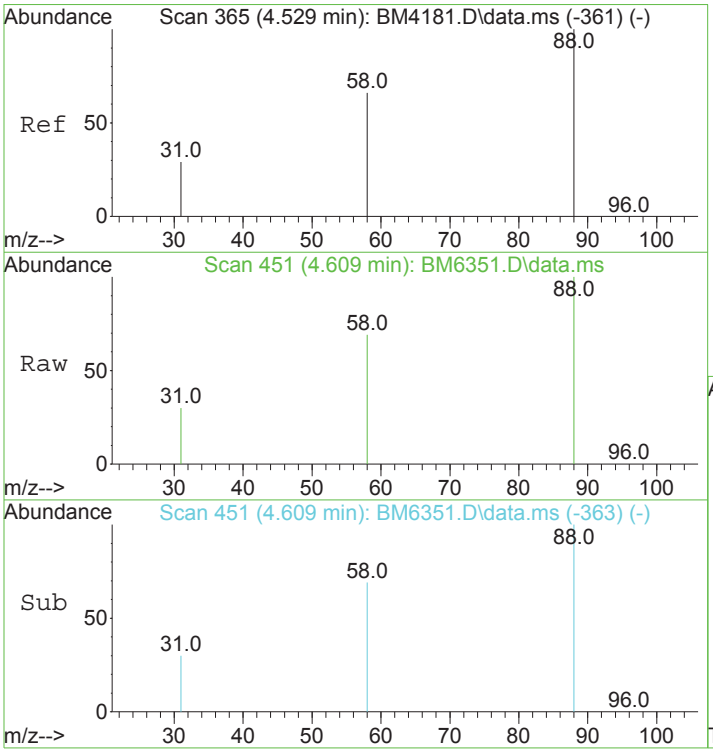
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6351.D
Acq On : 16 Jul 2024 05:08 pm
Operator : KProcopio
Sample : 1000ppb
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 17 08:16:22 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

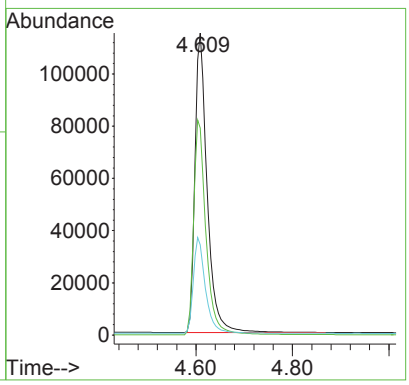




#2
1,4-Dioxane
Concen: 1043.67 ppb
RT: 4.609 min Scan# 451
Delta R.T. -0.015 min
Lab File: BM6351.D
Acq: 16 Jul 2024 05:08 pm

Tgt Ion: 88 Resp: 202852

Ion	Ratio	Lower	Upper
88	100		
58	69.0	47.0	87.0
31	29.6	10.4	50.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6352.D
Acq On : 16 Jul 2024 05:26 pm
Operator : KProcopio
Sample : 5000ppb
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 17 08:16:24 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

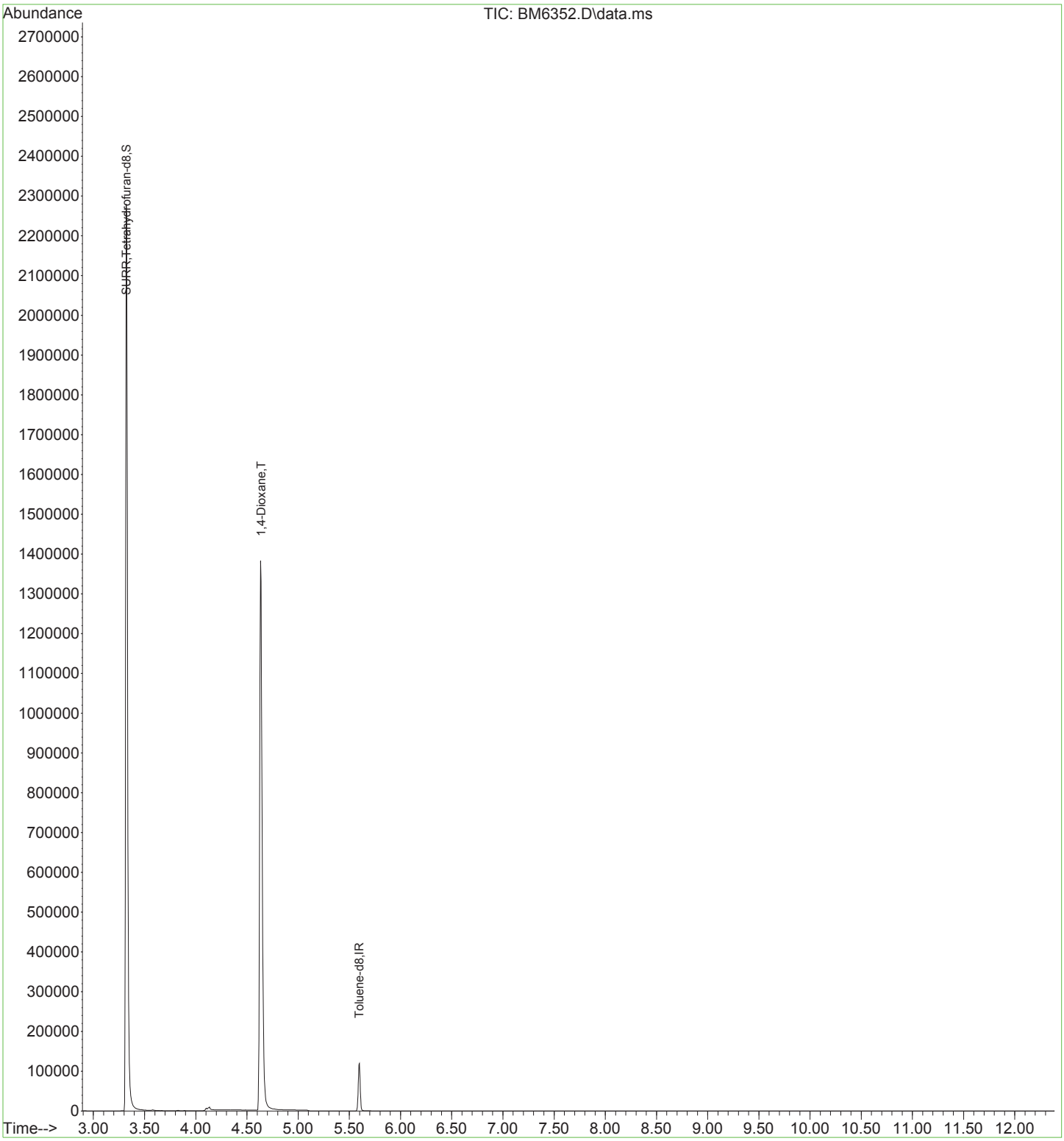
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Toluene-d8	5.597	98	92999	100.00	ppb	0.02
System Monitoring Compounds						
3) SURR,Tetrahydrofuran-d8	3.321	46	1341491	4743.38	ppb	0.04
Spiked Amount 100.000	Range 70 - 130		Recovery = 4743.38%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.638	88	1160242	4641.184	ppb	99

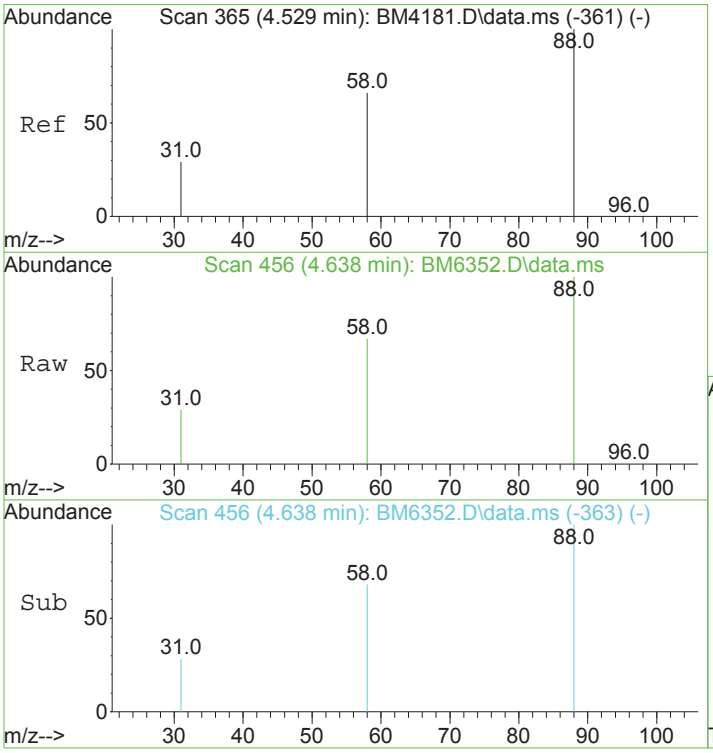
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st KR 07/17/24
2nd BA 07/17/24

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6352.D
Acq On : 16 Jul 2024 05:26 pm
Operator : KProcopio
Sample : 5000ppb
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 17 08:16:24 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:15:52 2024
Response via : Initial Calibration

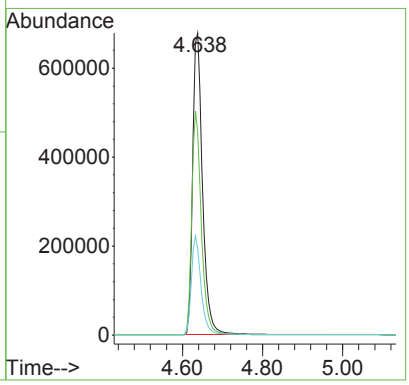




#2
1,4-Dioxane
Concen: 4641.18 ppb
RT: 4.638 min Scan# 456
Delta R.T. 0.014 min
Lab File: BM6352.D
Acq: 16 Jul 2024 05:26 pm

Tgt Ion: 88 Resp: 1160242

Ion	Ratio	Lower	Upper
88	100		
58	67.3	47.0	87.0
31	28.5	10.4	50.4



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5975E\data\071624\
Data File : BM6353.D
Acq On : 16 Jul 2024 05:45 pm
Operator : KProcopio
Sample : ICV
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 17 08:21:34 2024
Quant Method : I:\ACQUDATA\5975E\METHODS\8270DIOX071724.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 17 08:20:56 2024
Response via : Initial Calibration

Min. RRF : 0.050 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	IR	Toluene-d8	100.000	100.000	0.0	147	0.03
2	T	1,4-Dioxane	200.000	178.575	10.7	135	0.05
3	S	SURR,Tetrahydrofuran-d8	200.000	221.619	-10.8	180	0.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2409108
Calibration Date: 7/16/2024

Initial Calibration Summary
1,4-Dioxane by GC/MS

Calibration ID: RC2400137
Instrument ID: R-MS-56

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2400137-01	1ppb	I:\ACQUDATA\5975E\data\071624\BM6344.D	07/16/2024 14:59
02	RC2400137-02	2ppb	I:\ACQUDATA\5975E\data\071624\BM6345.D	07/16/2024 15:17
03	RC2400137-03	10ppb	I:\ACQUDATA\5975E\data\071624\BM6346.D	07/16/2024 15:36
04	RC2400137-04	20ppb	I:\ACQUDATA\5975E\data\071624\BM6347.D	07/16/2024 15:55
05	RC2400137-05	100pb	I:\ACQUDATA\5975E\data\071624\BM6348.D	07/16/2024 16:13
06	RC2400137-06	200ppb	I:\ACQUDATA\5975E\data\071624\BM6349.D	07/16/2024 16:32
07	RC2400137-07	500ppb	I:\ACQUDATA\5975E\data\071624\BM6350.D	07/16/2024 16:50
08	RC2400137-08	1000ppb	I:\ACQUDATA\5975E\data\071624\BM6351.D	07/16/2024 17:08
09	RC2400137-09	5000ppb	I:\ACQUDATA\5975E\data\071624\BM6352.D	07/16/2024 17:26

Analyte

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3294	02	2.000	0.2671	03	10.000	0.2539	04	20.000	0.2686
05	100.000	0.2688	06	200.000	0.2663	07	500.000	0.276	08	1000.000	0.2805
09	5000.000	0.2495									

Tetrahydrofuran-d8 (SUR)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2907	02	2.000	0.2716	03	10.000	0.2669	04	20.000	0.2824
05	100.000	0.3041	06	200.000	0.2529	07	500.000	0.2506	08	1000.000	0.3143
09	5000.000	0.2885									

Client: Verina Consulting Group, LLC
Project: Dover Binghamton

Service Request: R2409108
Calibration Date: 7/16/2024

Initial Calibration Summary
1,4-Dioxane by GC/MS

Calibration ID: RC2400137
Instrument ID: R-MS-56

Signal ID: 1

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,4-Dioxane	TRG	Average RF	% RSD	8.5	≤	0.2734	
Tetrahydrofuran-d8 (SUR)	SURR	Average RF	% RSD	7.8	≤	0.2802	

Client: Verina Consulting Group, LLC **Service Request:** R2409108
Project: Dover Binghamton **Calibration Date:** 7/16/2024

Initial Calibration Verification Summary
1,4-Dioxane by GC/MS

Calibration ID: RC2400137 **Signal ID:** 1
Instrument ID: R-MS-56

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2400137-10	ICV	I:\ACQUDATA\5975E\data\071624\BM6353.D	07/16/2024 17:45

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,4-Dioxane	200	179	2.734E-1	2.441E-1	-10.712	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Tetrahydrofuran-d8 (SUR)	200	222	2.802E-1	3.105E-1	10.81	±30	Average RF

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

Service Request: R2409108
Date Analyzed: 09/23/24 12:28

Continuing Calibration Verification (CCV) Summary
1,4-Dioxane by GC/MS

Analysis Method: 8270E SIM
File ID: I:\ACQUDATA\5975E\data\092324\BM6928.D\
Signal ID: 1

Calibration Date: 7/16/2024
Calibration ID: RC2400137
Analysis Lot: 855255
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
1,4-Dioxane	500	516	0.2734	0.2821	103	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
Tetrahydrofuran-d8 (SUR)	500	558	0.2802	0.3129	112	NA	±20	Average RF

Client:	Verina Consulting Group, LLC	**Service Request:**	R2409108
Project:	Dover Binghamton/5101.0003	**Date Analyzed:**	09/24/24 13:37

Continuing Calibration Verification (CCV) Summary
1,4-Dioxane by GC/MS

Analysis Method:	8270E SIM	**Calibration Date:**	7/16/2024
File ID:	I:\ACQUDATA\5975E\data\092424\BM6955.D\	**Calibration ID:**	RC2400137
Signal ID:	1	**Analysis Lot:**	855261
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
1,4-Dioxane	500	507	0.2734	0.2772	101	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
Tetrahydrofuran-d8 (SUR)	500	547	0.2802	0.3067	109	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
1,4-Dioxane by GC/MS

Analysis Method:

Analysis Lot:855255
Instrument ID:R-MS-56

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5975E\data\092324 \BM6927.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	10:24:00	
I:\ACQUDATA\5975E\data\092324 \BM6928.D\	Continuing Calibration Verification	RQ2412092-02	9/23/2024	12:28:00	
I:\ACQUDATA\5975E\data\092324 \BM6929.D\	Method Blank	RQ2411921-01	9/23/2024	13:54:00	
I:\ACQUDATA\5975E\data\092324 \BM6930.D\	Lab Control Sample	RQ2411921-02	9/23/2024	14:12:00	
I:\ACQUDATA\5975E\data\092324 \BM6931.D\	Duplicate Lab Control Sample	RQ2411921-03	9/23/2024	14:29:00	
I:\ACQUDATA\5975E\data\092324 \BM6932.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	14:46:00	
I:\ACQUDATA\5975E\data\092324 \BM6933.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:04:00	
I:\ACQUDATA\5975E\data\092324 \BM6934.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:21:00	
I:\ACQUDATA\5975E\data\092324 \BM6935.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	15:39:00	
I:\ACQUDATA\5975E\data\092324 \BM6936.D\	MW-14-091624	R2409108-005	9/23/2024	15:56:00	
I:\ACQUDATA\5975E\data\092324 \BM6937.D\	FB-091624	R2409108-006	9/23/2024	16:13:00	
I:\ACQUDATA\5975E\data\092324 \BM6938.D\	FB-091724	R2409108-015	9/23/2024	16:31:00	
I:\ACQUDATA\5975E\data\092324 \BM6939.D\	MW-13-091724	R2409108-017	9/23/2024	16:48:00	
I:\ACQUDATA\5975E\data\092324 \BM6940.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	17:05:00	
I:\ACQUDATA\5975E\data\092324 \BM6942.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	17:40:00	
I:\ACQUDATA\5975E\data\092324 \BM6943.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	17:58:00	
I:\ACQUDATA\5975E\data\092324 \BM6944.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	18:15:00	
I:\ACQUDATA\5975E\data\092324 \BM6945.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	18:32:00	
I:\ACQUDATA\5975E\data\092324 \BM6946.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	18:49:00	
I:\ACQUDATA\5975E\data\092324 \BM6947.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	19:07:00	
I:\ACQUDATA\5975E\data\092324 \BM6948.D\	ZZZZZZZ	ZZZZZZZ	9/23/2024	19:24:00	

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003

Analysis Run Log
1,4-Dioxane by GC/MS

Analysis Method:

Analysis Lot:855261
Instrument ID:R-MS-56

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5975E\data\092424\BM6954.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	13:14:00	
I:\ACQUDATA\5975E\data\092424\BM6955.D\	Continuing Calibration Verification	RQ2412094-02	9/24/2024	13:37:00	
I:\ACQUDATA\5975E\data\092424\BM6956.D\	Method Blank	RQ2412014-01	9/24/2024	13:56:00	
I:\ACQUDATA\5975E\data\092424\BM6957.D\	Lab Control Sample	RQ2412014-02	9/24/2024	14:14:00	
I:\ACQUDATA\5975E\data\092424\BM6958.D\	Duplicate Lab Control Sample	RQ2412014-03	9/24/2024	14:31:00	
I:\ACQUDATA\5975E\data\092424\BM6959.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	14:48:00	
I:\ACQUDATA\5975E\data\092424\BM6960.D\	MW-16-091724	R2409108-010	9/24/2024	15:06:00	
I:\ACQUDATA\5975E\data\092424\BM6961.D\	MW-8-091724	R2409108-013	9/24/2024	15:23:00	
I:\ACQUDATA\5975E\data\092424\BM6962.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	15:40:00	
I:\ACQUDATA\5975E\data\092424\BM6963.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	15:58:00	
I:\ACQUDATA\5975E\data\092424\BM6964.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	16:15:00	
I:\ACQUDATA\5975E\data\092424\BM6965.D\	ZZZZZZZ	ZZZZZZZ	9/24/2024	16:33:00	

Analysis: 8270 DioX	Analyst: VP	Run Method: DFtppdio, isodioxane	
Date: 9/23/24	Instr. R-MS-56 5975E	Quant Method: DFtppdio, 8270 DioX@71724	
Syringes: -	ICAL: RC240137	LIMS Run#: 555255	

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blank			BN6925	-	
1	Blank			26	-	
2	8270 Tune		237091	27	Y	
3	500ppb CCV		235196	28	Y	
4	R0241921-01			29	Y	
5	↓ -02			30	Y	
6	↓ -03			31	Y	
7	R2409083-007			32	Y	
8	↓ -010			33	Y	
9	R2409089-001			34	Y	
10	R2409093-001			35	Y	
11	R2409108-005			36	~~N~~ Y	
12	↓ -006			37	Y	
13	↓ -015			38	Y	
14	↓ -017			39	Y	
15	R2409206-004			40	Y	
16	↓ -005			41	N	Needs Dilution
17	↓ -006			42	Y	
18	↓ -012			43	Y	
19	↓ -015			44	Y	
20	↓ -016			45	Y	
21	↓ -017			46	Y	
22	↓ -021			47	Y	
23	↓ -022			48	Y	
24	R2409108-010			49	N	Running @ a higher Vol
25	↓ -013			50	N	for extraction
26	↓ -014			51	N	↓

VP 9/25/24

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Analysis: 8270 Diox Analyst: KD Run Method: DF+pdio, isodioxane
Date: 9/24/25 24 Instr. R-MS-56 5975E Quant Method: DF+pdio, 8270Dioxq71724
Syringes: KP 9/23/24 ICAL: RC 2400137 LIMS Run#: 555201

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blank			BM6952	✓	
1	Blank			53		
2	Tune		237091	54	W	
3	CCV 500ppb		235196	55	W	
4	R2412014-01			56	W	
5	-02			57	W	
6	-03			58	W	
7	R2409093-002			59	W	
8	R2409108-010			60	W	
9	-013			61	W	
10	-014			62	W	
11	R2409118-001			63	W	
12	R2409200-001			64	W	
13	R2409254-001			65	W	
14	R2409206-005/10	1:10		66	N	Rerunning at higher Dil.

KD 9/25/24

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:
Primary:_____ exp: Secondary :_____ exp:
Reagents:

Prep Summary Report

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003
Sample Matrix: Water

1,4-Dioxane by GC/MS

Prep Method: EPA 3535A **Extraction Lot:** 445351
Analytical Method: 8270E SIM **Extraction Date:** 09/23/24 08:18

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
MW-14-091624	R2409108-005	9/16/24	9/18/24	100 mL	2 mL	
FB-091624	R2409108-006	9/16/24	9/18/24	100 mL	2 mL	
FB-091724	R2409108-015	9/17/24	9/18/24	100 mL	2 mL	
MW-13-091724	R2409108-017	9/17/24	9/18/24	100 mL	2 mL	
Method Blank	RQ2411921-01MB	NA	NA	100 mL	2 mL	
Lab Control Sample	RQ2411921-02LCS	NA	NA	100 mL	2 mL	
Duplicate Lab Control Sample	RQ2411921-03DLCS	NA	NA	100 mL	2 mL	

Prep Summary Report

Client: Verina Consulting Group, LLC **Service Request:**R2409108
Project: Dover Binghamton/5101.0003
Sample Matrix: Water

1,4-Dioxane by GC/MS

Prep Method: EPA 3535A **Extraction Lot:** 445432
Analytical Method: 8270E SIM **Extraction Date:** 09/24/24 08:40

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
MW-16-091724	R2409108-010	9/17/24	9/18/24	5.0000 mL	2 mL	
MW-8-091724	R2409108-013	9/17/24	9/18/24	5.0000 mL	2 mL	
Method Blank	RQ2412014-01MB	NA	NA	100 mL	2 mL	
Lab Control Sample	RQ2412014-02LCS	NA	NA	100 mL	2 mL	
Duplicate Lab Control Sample	RQ2412014-03DLCS	NA	NA	100 mL	2 mL	

Preparation Information Benchsheet

Prep Run#: 445351
Team: Semivoa GCMS/KPROCOPIO

Prep WorkFlow: OrgExtSPEaq(7)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 9/23/24 08:18

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ2411921-01	MB		100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	
2	RQ2411921-02	LCS		100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/234946; 200.0000 uL/237328	
3	RQ2411921-03	DLCS		100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	200.0000 uL/234946; 10.0000 uL/236507; 200.0000 uL/237328	
4	R2409083-007	2409161404B ST-6-528	.01	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
5	R2409083-010	2409161450B ST-6-568	.01	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	
6	R2409089-001	24S0376	.04	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	yellow tint, clear	200.0000 uL/237328; 10.0000 uL/236507	
7	R2409093-001	24L0580	.04	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	yellow tint, clear	200.0000 uL/237328; 10.0000 uL/236507	
8	R2409108-005	MW-14-091624	.04	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
9	R2409108-006	FB-091624	.04	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
10	R2409108-015	FB-091724	.04	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	
11	R2409108-017	MW-13-091724	.04	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	
12	R2409206-004	WD-MW-12A-X17-XL 0924	.04	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	
13	R2409206-005	WD-MW-12B-X80-XL 0924	.04	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	slightly cloudy, yellow tint	10.0000 uL/236507; 200.0000 uL/237328	
14	R2409206-006	WD-MW-12C-157-XL 0924	.04	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
15	R2409206-012	WD-MW-X28-X23-XL 0924	.04	100mL	8270E SIM/1,4-Dioxane	8	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	
16	R2409206-015	WD-MW-X33-150-XL 0924	.04	53mL	8270E SIM/1,4-Dioxane	11	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	client only sent 53mls of sample
17	R2409206-016	WD-MW-X34-149-XL 0924	.04	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	
18	R2409206-017	WD-MW-X35-178-XL 0924	.04	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
19	R2409206-021	WD-SUMP3 0924	.01	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	
20	R2409206-022	WD-SUMP2 0924	.01	100mL	8270E SIM/1,4-Dioxane	9	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	

Spiking Solutions

Name:	EPA 522 LCS Spike 5ppm	Inventory ID	234946	Logbook Ref:	234946	Expires On: 10/29/2024
Name:	SVOA Toluene-D8 20ppm	Inventory ID	236507	Logbook Ref:	8270 Int.	Expires On: 01/25/2025
Name:	Tetrahydrofuran-D8 1ppm Surr Std	Inventory ID	237328	Logbook Ref:		Expires On: 03/16/2025

Preparation Information Benchsheet

Prep Run#: 445351
Team: Semivoa GCMS/KPROCOPIO

Prep WorkFlow: OrgExtSPEaq(7)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 9/23/24 08:18

Preparation Materials

Method 522 400mg charcoal filters	(236483)
Methanol Purge & Trap MeOH	Diox (236272)
Prepared Sodium Sulfate Na2SO4	Diox (236813)
Eppendorf Pipette Repeater	EXT #26 (229919)
Sodium Bisulfate Monohydrate RG	Diox (232653)
Dichloromethane (Methylene Chloride) 99.9% MeCl2	(237373)
pH Paper 0-14	CoA not available (236509)

Preparation Steps

Step: Extraction
Started: 9/23/24 08:18
Finished: 9/23/24 13:00
By: KPROCOPIO
Comments

Comments: _____

Reviewed By: _____ Date: _____ Spike Witness: JVANHEYNINGEN Date: _____

Chain of Custody

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined
Yes No

Preparation Information Benchsheet

Prep Run#: 445432
Team: Semivoa GCMS/KPROCOPIO

Prep WorkFlow: OrgExtSPEaq(7)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 9/24/24 08:40

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ2412014-01	MB		100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
2	RQ2412014-02	LCS		100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	200.0000 uL/234946; 10.0000 uL/236507; 200.0000 uL/237328	
3	RQ2412014-03	DLCS		100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/234946; 200.0000 uL/237328	
4	R2409093-002	24L0582	.04	100mL	8270E SIM/1,4-Dioxane	9	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
5	R2409108-010	MW-16-091724	.04	5mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	fuchsia, opaque	200.0000 uL/237328; 10.0000 uL/236507	
6	R2409108-013	MW-8-091724	.04	5mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	fuchsia, opaque	10.0000 uL/236507; 200.0000 uL/237328	
7	R2409108-014	DUP-091724	.04	5mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	fuchsia, opaque	200.0000 uL/237328; 10.0000 uL/236507	
8	R2409118-001	24L0551	.04	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
9	R2409200-001	Building C	.01	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	10.0000 uL/236507; 200.0000 uL/237328	
10	R2409254-001	24L0545	.04	100mL	8270E SIM/1,4-Dioxane	7	<4		2.00mL	colorless, clear	200.0000 uL/237328; 10.0000 uL/236507	

Spiking Solutions

Name:	EPA 522 LCS Spike 5ppm	Inventory ID	234946	Logbook Ref:	234946	Expires On: 10/29/2024
Name:	SVOA Toluene-D8 20ppm	Inventory ID	236507	Logbook Ref:	8270 Int.	Expires On: 01/25/2025
Name:	Tetrahydrofuran-D8 1ppm Surr Std	Inventory ID	237328	Logbook Ref:		Expires On: 03/16/2025

Preparation Materials

Method 522 400mg charcoal filters (236483)
Methanol Purge & Trap MeOH Diox (236272)
Prepared Sodium Sulfate Na2SO4 Diox (236813)
Eppendorf Pipette Repeater EXT #26 (229919)
Sodium Bisulfate Monohydrate RG Diox (232653)
Dichloromethane (Methylene Chloride) 99.9% MeCl2 (237373)
pH Paper 0-14 CoA not available (236509)

Preparation Steps

Step: Extraction
Started: 9/24/24 08:40
Finished: 9/24/24 13:50
By: KPROCOPIO
Comments

Preparation Information Benchsheet

Prep Run#: 445432
Team: Semivoa GCMS/KPROCOPIO

Prep WorkFlow: OrgExtSPEaq(7)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 9/24/24 08:40

Comments: _____

Reviewed By: _____ Date: _____ Spike Witness: JVANHEYNINGEN Date: _____

Chain of Custody

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined
Yes No

Appendix D

VERINA Engineering, P.C.

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.)	
1/9/2024	13:00	Y	2.25	2.00	1.00	1.25	Lead by Joe
2/19/2024	14:28	Y	2.25	2.00	1.00	1.25	Lead by Joe
3/19/2024	10:15	Y	2.50	2.25	1.00	1.50	Lead by Andy
4/22/2024	14:17	Y	2.50	2.00	1.00	1.50	Lead by Joe
5/13/2024	13:35	Y	2.50	2.00	1.00	1.50	Lead by Joe
6/17/2024	12:45	Y	2.50	2.00	1.50	1.50	Lead By Joe
7/15/2024	14:47	Y	2.50	2.00	1.00	1.50	Lead by Andy
8/20/2024	14:42	Y	2.25	1.75	1.00	1.50	Lead by Erick
9/25/2024	15:35	Y	2.50	2.00	1.00	1.50	Lead by Erick
10/14/2024	13:16	Y	2.50	2.00	1.00	1.50	Lead by Erick
11/11/2024	14:45	Y	2.50	2.00	1.00	1.50	Lead by Erick
12/16/2024	14:45	Y	2.50	1.75	1.25	1.50	Lead by Erick