VERINA Engineering, P.C.

2021 PERIODIC REVIEW REPORT

FORMER DOVER ELECTRONICS SITE
KIRKWOOD, NEW YORK
NYSDEC SITE NO. 7-04-026



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January 2022
Revision 01 – April 2022

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INTRODUCTION

On behalf of Dover Corporation (Dover), Verina Engineering, P.C. (VERINA) has prepared this Periodic Review Report (PRR) to document the remedial activities conducted in 2021 at the former Dover Electronics site in Kirkwood, Broome County, New York, New York State Department of Environmental Conservation (NYSDEC) Site No. 7-04-026.

The remedial activities implemented in 2021 included:

- In-Situ Chemical Oxidation (ISCO) remediation operation and maintenance (O&M) activities;
- ISCO performance groundwater monitoring;
- Active sub-slab depressurization (ASD) system O&M activities; and,
- Annual indoor air sampling.

The work was implemented in accordance with the Record of Decision of March 2000; the Order on Consent executed on January 19, 2001; and the Record of Decision Amendment of March 2014, and the NYSDEC approved Site Management Plan (SMP) of July 17, 2019.

SITE HISTORY AND BACKGROUND

The former Dover Electronics site is located at 29 Industrial Park Drive, Kirkwood, Broome County, New York. The facility is located on approximately 9.58 acres in an industrial setting and consists of an industrial building with associated parking and vegetated areas. The site is presently occupied by Modern Marketing Concepts, Inc. (MMC). A regional site location map and a site plan are shown on Figures 1 and 2, respectively.

The site had served as one of Universal Instruments Corporation's (UIC) service facilities for product training, research and development, and Odd Form Assembly (OFA), which involves the engineering and assembly of non-standard/specialty circuit boards until 2007. In 2007 the facility was sold to MMC, which handles outsourced customer service and product ordering for other companies.

Several remedial investigations (RIs) at the site have been conducted since the 1990s. The RIs indicated that soil, groundwater, surface (storm) water and indoor air have been impacted by volatile organic compounds (VOCs), including tetrachloroethene (PCE), trichloroethene (TCE), cis- and trans-1,2-dichloroethene (1,2-DCE), and vinyl chloride (VC). The RI results have been discussed in the Site Management Plan (SMP) dated February 2011 by ARCADIS (ARCADIS 2011b).

On March 30, 2000, NYSDEC signed a Record of Decision (ROD) for the Site to address the VOCs in site soil and groundwater. Specifically, the March 2000 ROD selected: installation of a

soil vapor extraction (SVE) system to treat inaccessible soils, excavation and off-site disposal of accessible soil, installation of a groundwater extraction and treatment system, property restrictions, and an evaluation of an in-situ groundwater treatment technology to shorten duration of the groundwater extraction and treatment. The Site was entered into an Order on Consent, Index No. B7-0515-97-05, with the NYSDEC on January 19, 2001 for remediation at the Site.

On July 25, 2003, NYSDEC approved a remedy modification under an Explanation of Significant Differences (ESD). The significant difference to the remedy approved at that time, compared to the remedy selected in the March 2000 ROD, was to install an active sub-slab depressurization system to address indoor air contamination in lieu of the SVE system to treat soil contamination, and to place a Deed Restriction on the property to address inaccessible soils. The change was in response to information from an SVE pilot test indicating lower than expected soil vapor permeability. As a result, soil vapor could not be effectively drawn out of the subsurface preventing the successful application of the SVE technology.

Prior to issuance of the ROD, two interim remedial measures (IRMs) were attempted to address contamination at the Site. In August 1994, recovery wells (RW-1 and RW-2) were installed near former tetrachloroethene (PCE) tanks as an interim groundwater extraction and the treatment system operated until 1996. Another recovery well (RW-3) was installed in 1997 and operated until December 1998. The groundwater remediation-by-extraction attempts were of limited success due to the tight nature of the glacial till, and the corresponding very low transmissivity across the Site, limiting groundwater recovery.

As a result, two field pilot tests were conducted as part of an alternative groundwater remediation field study. The field tests consisted of an enhanced bioremediation field study and an in-situ chemical oxidation (ISCO) field pilot test. Enhancing biodegradation of PCE in the source area was found to have limited overall effectiveness, while ISCO was shown to be much more effective in remediating the constituents of concern (COCs) in groundwater. To further evaluate the ISCO in-situ alternative, three phases of ISCO field tests were conducted between 2005 and 2008 using sodium permanganate as a full-scale groundwater remedy. The results of the ISCO field tests indicated that the permanganate would be effective at reducing the concentration of COCs in groundwater. A full-scale ISCO groundwater remedy using sodium permanganate was initiated in November 2011 and is currently being implemented. NYSDEC issued a ROD Amendment, in addition to the previous ESD, on March 18, 2014.

In addition to the groundwater remediation efforts, an active sub-slab depressurization (ASD) system was installed and operated to mitigate the potential intrusion of vapors into the building from the remaining soil and groundwater contamination. A Deed Restriction was filed with Broome County in August 2005 stating that there shall be no construction, use or occupancy property that results in the disturbance of the seven soil cover systems or which will result in human exposure to the contaminated soils.

Most recently, a Final Engineering Report (FER) was prepared and submitted to NYSDEC in January 2020 as well as a Site Management Plan (SMP) in July 2020, both of which were subsequently approved by the NYSDEC. Based on the remedial activities completed, and the

institutional and engineering controls at the site, the Site has been re-classified from Class 2 to Class 4 in the NYSDEC's Registry of Inactive Hazardous Waste Disposal Sites in New York State on September 28, 2020.

SOIL OPERABLE UNIT

The site impacted soil was remediated in accordance with the NYSDEC-approved Remedial Design (RD) Package prepared by Blasland, Bouck and Lee, Inc. (BBL) in June 2003 (BBL 2003). The following is a summary of the remedial actions performed at the site to address the impacted soil:

- Removal of PCE-impacted soils from seven isolated areas beneath and adjacent to the facility building in June and July 2003;
- Abandonment and replacement of the roof leader from the roof drain system that handles storm water runoff from the front part of the roof for the original building section of the facility;
- Extension of the storm water outfall from the southwest catch basin (CB-1547);
- Construction of a soil cap system to eliminate the potential for human contact with fill material and remaining contaminated soil, and eliminate the potential for soil erosion and contaminated soil and storm water runoff from the property;
- Installation of an ASD system in 2003 to address indoor air quality within the facility building;
- Execution and recording of a Deed Restriction for the areas beneath the footprints of the 1978 and 1984 building additions, areas beneath parts of the original building (1973) and the 1982 addition, and for seven additional areas where complete removal of soil to below the NYSDEC criterion for PCE was not achieved. The Deed Restriction also included a restriction on using site groundwater; and
- Development and implementation of a Soil Management Plan for long term management of remaining contamination as required by the Deed Restriction.

GROUNDWATER OPERABLE UNIT

After a former aboveground 5,000-gallon flux tank that contained PCE was dismantled in March 1993, a groundwater extraction program was implemented as an Interim Remedial Measure (IRM). Recovery wells (RW-1 and RW-2) were installed near the former PCE tanks located at the rear of the facility building and the interim groundwater treatment system became operational in August 1994. The system operated on a limited schedule and it was shut down and abandoned in 1996. This IRM may have removed up to 12,000 gallons of groundwater. Another recovery well, RW-3, was installed in 1997 adjacent to monitoring well MW-7A as part of a second IRM groundwater extraction and treatment using granulated activated carbon (GAC). This

groundwater extraction and treatment system was in operation from April 1998 through December 1998 and was intended to help control the migration of the dissolved-phase PCE plume. During this time, approximately 41,000 gallons of groundwater were extracted from well RW-3.

The groundwater remediation-by-extraction attempts were unsuccessful because of the tight nature of the subsurface glacial till and the corresponding very low transmissivity across the site. For this reason, two field pilot tests were conducted as part of an alternative groundwater remediation field study. These field tests consisted of an enhanced bioremediation field study and an ISCO field pilot testing. Enhanced biodegradation of PCE in the source area was found to have limited overall effectiveness while ISCO found to be much more effective in remediating the constituents of concern (COCs) in groundwater.

ISCO field testing using sodium permanganate was proposed in the September 2004 Groundwater Bioremediation Progress Report (GBRPR) by BBL for the remaining residual COCs within the central part of the groundwater plume. Sodium permanganate is a proven oxidizer of chlorinated ethenes and has a very high water solubility allowing high dissolved concentrations of the oxidant to be introduced into the aquifer. The field test objective was to reduce the PCE concentration within the area defined by the 1,000 micrograms per liter (µg/L) isoconcentration contour line as presented in the September 2004 report.

Three phases of ISCO field tests were conducted between 2005 and 2008 at the site to evaluate the effectiveness of ISCO using sodium permanganate as a full-scale groundwater remedy. The results of ISCO field tests indicated that the permanganate is effective at reducing the concentration of COCs in groundwater. A full-scale ISCO groundwater remedy using sodium permanganate was implemented in November 2011.

CURRENT REMEDIAL ACTIVITIES

ISCO was proposed as a full-scale remedy for the remaining residual COCs within the central part of the groundwater plume in the October 2007 Final Groundwater Remediation Progress Report (GRPR) submitted by ARCADIS (ARCADIS 2007) and was conceptually approved by NYSDEC in an e-mail to ARCADIS dated March 25, 2009. A full-scale ISCO Design Report (ARCADIS 2010) and ISCO Construction Package (ARCADIS 2011a) were prepared and submitted by ARCADIS to provide detailed scope of work, design, and operation specifications for the full-scale ISCO treatment system. The full-scale ISCO groundwater remedy was initiated in November 2011 and consisted of the injection of a 5% (by weight) solution of sodium permanganate by a gravity-feed system in the source area along with manual injection downgradient of the source area and associated groundwater performance monitoring. In March 2014, Record of Decision Amendment was issued by the NYSDEC including ISCO as the remedy to remediate the residual COCs in groundwater at the site.

In addition, Engineering Controls (EC) and Institutional Controls (IC) for the site have also been incorporated into the remedial program. The ECs include an ASD system and soil capping system to control exposure to remaining COCs in soils at the site and to ensure protection of public health and the environment. The ECs are inspected monthly to ensure that they are properly maintained

and operated. The IC for the site, which places restrictions on site use, is a Deed Restriction which was granted by the NYSDEC and recorded with the Broome County Clerk for the site. The Deed Restriction is in compliance with the current, approved SMP (VERINA 2020b).

At the end of 2013, permanganate solution was found to be leaking from the injection piping network of the ISCO system (VERINA 2014a). After remediating the release of the permanganate solution at the site and considering the effectiveness of the gravity-feed system, the use of the ISCO gravity-feed system was suspended. With NYSDEC's approval, monthly manual injections at selected injection points within the impacted groundwater area were implemented in 2014 to replace the gravity feed approach and continue the ISCO remedy. Since that time, all injection activities were performed via manual injection into select wells utilizing a 10% (by weight) sodium permanganate solution. This remedial strategy was also consistent with the approved SMP for the site.

ISCO SYSTEM OPERATION, MAINTENANCE, AND MONITORING

The use of the gravity-feed system was suspended in January 2014 and a manual injection program was established in its place. During 2021, injection wells and points received a 10% by weight sodium permanganate oxidant solution. The 10% permanganate solution is stored on-site in the 6,500-gallon aboveground storage tank (AST). As outlined in the approved SMP (VERINA 2020b), the effectiveness of the ISCO remediation is being assessed by groundwater monitoring in both the source and downgradient areas.

ISCO INJECTION

The manual injection program utilized a total of 13 injection wells and points in the source area and four injection points in the Pilot Truck Stop area. A summary of the well points and volumes of ISCO solution injected during 2021 is presented in Table 1. During 2021, approximately 800 gallons of ISCO solution was injected into these wells on a monthly basis.

Since the November 1, 2011 initiation of the ISCO remediation, approximately 110,500 gallons of sodium permanganate solution have been injected into the subsurface at the site, including approximately 9,600 gallons injected during 2021. The 2021 manual injection logs are enclosed in Appendix A.

GROUNDWATER MONITORING PROGRAM

Site-Wide Groundwater Elevation Measurements

Groundwater elevation measurements were collected on September 13, 2021, prior to the annual groundwater sampling event, from all accessible on-site monitoring wells and points to assess the groundwater flow direction at the site. The groundwater elevations from September 2021 are summarized in Table 2. Groundwater elevation isocontour maps for the September 2021 groundwater gauging event are presented on Figures 3 and 4 for the shallow and intermediate aquifers, respectively.

The groundwater elevation isocontour maps indicate the groundwater flow direction with both the shallow and intermediate aquifer to be from the northeast towards the southwest, which is consistent with historical measurements.

Post-Injection Groundwater Monitoring

Groundwater sampling occurred at both the source area and the Pilot Truck Stop area in September 2021 in accordance with the schedule presented in Table 3, which was included in VERINA's 2020 RAPR (VERINA 2021).

All of the groundwater sampling activities were performed following the same procedures utilized for the baseline groundwater sampling events. The samples were submitted to ALS Environmental of Rochester, New York for site-specific parameter list (SSPL) VOCs analysis. SSPL VOCs include PCE, TCE, cis- and trans-1,2-DCE, VC, 1,1-dichloroethane, 1,1-

dichlorethene, and 1,1,1-trichloroethene. The groundwater sampling logs are presented in Appendix B.

Groundwater samples from those monitoring wells which had 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. Sodium thiosulfate was added to neutralize the residual permanganate in the water as it may influence the performance of the laboratory's analytical instruments. The wells with pink or purple purge water also had their residual sodium permanganate concentration analyzed for in the field immediately subsequent to SSPL VOC sampling using a Hach® DR890 colorimeter. A summary of the residual sodium permanganate groundwater concentrations is presented in Table 4.

Groundwater Sampling Analytical Results

Analytical results for PCE and its daughter products from the baseline through September 2021 sampling events are summarized in Table 5 and the results for the September 2021 sampling event are summarized on Table 6. The distribution of the PCE concentrations detected during the September 2021 sampling event in the shallow aquifer and intermediate aquifers are shown on Figure 5 and Figure 6, respectively. The total molar concentration of PCE and daughter compounds represented as chloride equivalents detected in groundwater during the September 2021 sampling event is depicted on Figure 7 for the shallow aquifer and on Figure 8 for the intermediate aquifer. Figure 9 shows the decreasing trends of PCE concentrations at selected wells in the shallow and intermediate aquifers.

The laboratory data package for the September 2021 groundwater sampling event is included in Appendix C. The electronic data deliverables (EDDs) for this sampling event have been previously submitted to NYSDEC via email.

As indicated in Table 6, SSPL VOCs were detected above their respective NYSDEC Groundwater Quality Standards (GWQS) in wells MW-3, MW-13, MW-16, MW-19, MW-27, MP-6S, MP-8S and MP-14 in the shallow aquifer and in wells MW-25R, MW-26, and MW-38 in the intermediate aquifer.

In comparing the September 2021 groundwater PCE plume maps (Figures 5 and Figure 6) and the total molar concentration, as chloride equivalents, of PCE and daughter compounds plume maps (Figures 7 and 8) to the baseline sampling plume maps presented in VERINA's 2012 RAPR (VERINA, 2013), the lateral extent and overall concentration of the COC plume has decreased significantly since the ISCO implementation at the site for both shallow and intermediate aquifers. Overall, the mass reduction of COCs in groundwater in the shallow and intermediate aquifers was estimated at about 85% and 75%, respectively, since the full-scale ISCO remedy was implemented in November 2011.

The concentrations of residual COCs in groundwater are also decreasing in both shallow and intermediate aquifers since the ISCO remedy was implemented. The trend analyses of PCE and

daughter product total molar concentrations as chloride equivalents for both the shallow and intermediate aquifers at the site are presented on Figure 9.

ENGINEERING AND INSTITUTIONAL CONTROLS COMPLIANCE

In accordance with the approved Operations, Maintenance, and Monitoring (OM&M) Plan (ARCADIS 2005), engineering and institutional controls (EC/IC) at the site were inspected monthly from January through December 2021, including:

- Inspection of the ASD system operation and condition;
- Inspection of the soil and asphalt caps placed over former excavation areas where residual PCE-affected soils above NYSDEC standards remain; and,
- Collection and analysis of annual indoor air samples.

SOIL AND ASPHALT CAP INSPECTIONS

The soil and asphalt caps placed over those areas where PCE-affected soil remains in place above NYSDEC Soil Cleanup Objectives (Figure 10) were inspected once per month by VERINA in 2021. The monthly inspections indicated that the engineering controls were in good condition. VERINA's 2021 cap inspection logs are provided in Appendix D.

ASD SYSTEM INSPECTIONS

The ASD system was installed in the MMC building in June 2003 to mitigate the potential adverse effects on indoor air quality caused by vapor intrusion. In December 2014, MMC initiated building renovations which required the relocation of two sub-slab depressurization points (ASD-2 and ASD-3). The proposed modification plan to the ASD system was approved by NYSDEC on December 11, 2014. The ASD modification work was summarized in VERINA's 2014 Annual Remedial Action Progress Report, submitted in January 2015 (VERINA, 2015). Additionally, during the ASD inspection of May 2015, it was discovered that three depressurization points, ASD-3 through 5, had no observed vacuum and that the fan which was connected to these points was not operating. In response, VERINA replaced the ASD fan and the ASD system was restarted on June 9, 2015.

The ASD system was checked once per month in 2021 to verify that the system was running properly and that the system was in good operating condition. The monthly inspections indicated that the system is operating as designed, is running satisfactorily, and that the ASD system vacuum readings collected in 2021 were generally consistent with the system data collected in 2020. The ASD system will continue to be monitored monthly to ensure proper operation of the system. The ASD Inspection Log showing the monthly ASD system inspection and vacuum readings is presented in Appendix E.

ANNUAL INDOOR AIR MONITORING

Indoor air sampling was conducted in March 2021 as part of the indoor air monitoring program. The indoor air sampling was conducted in accordance with the approved OM&M Plan (ARCADIS 2005), Remedial Design Package (BBL 2003), and the SMP (VERINA 2020b).

Indoor air samples were collected at the seven sampling locations within the facility building where facility employees regularly work or where SSPL VOC vapors were detected in previous sub-slab samples and one ambient air samples collected from the exterior of the building. The sampling points were labeled according to their location and are shown on Figure 11.

Four sampling points were located in the main building - two sampling points in the primary cubicle area (Office Area #1 and Office Area #2) and two points in Hallway and Cafeteria areas (former cafeteria for Universal Instruments Corporation, but now a work area). There were three sampling points in the rear additions - one by the HVAC equipment (A/C Area), one by the electrical switch gear (Electrical Area), and one in the former computer server room (Computer Services) which is now used for general storage including some various cleaning chemicals and paints. An outdoor background sample was also collected by the buildings HVAC air intakes. Indoor and ambient air samples were collected over an 8-hour period in 6-liter stainless steel Summa canisters and analyzed for VOCs by USEPA Method TO-15. The analytical results of the March 2021 indoor air sampling event are summarized in Table 7.

The analytical results of the indoor air samples indicated a detection in the Office Area #1 sample of trichloroethylene (TCE) above the respective New York State Department of Health (NYSDOH) guidance value. After review of the laboratory data and discussion with the laboratory (ALS) it was concluded that there was a canister flow controller issue during the sampling event. The canister used to collect sample Office Area #1 lost very little vacuum during the sampling event as compared to the other samples, meaning there was less air in the canister as compared to the other canisters. Therefore, the dilution factor used during the laboratory calculation was much higher for sample Office Area #1 than the others, leading to a higher concentration observed. Two confirmation samples (an original sample and a duplicate) were collected at the Office Area #1 location in April 2021. The analytical results of the confirmation sampling event were below NYSDOH guidance value for TCE and are summarized in Table 8. Historical indoor air sampling results are presented in Table 9. A copy of the laboratory data package for the March and April 2021 indoor air sampling events are provided in Appendix F. The EDDs for the indoor air sampling event have previously been submitted to the NYSDEC via email.

CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

Based on the remediation status to date, the following conclusions are made:

- Three wells which were planned to be sampled in September 2021 need repair – wells MW-39, MP-4 and MP-5. At well MW-39, it appears recent, nearby construction at the truck stop has shifted the well manhole and pad at this well location, making the well inaccessible. At both MP-4 and MP-5, obstructions were noted in each well when attempting to gauge and sample the given well.

- Ongoing groundwater elevation measurements indicate the direction of groundwater flow in both the shallow and intermediate aquifers is generally towards the southwest, which is consistent with the previously observed groundwater flow direction.

- The groundwater monitoring results indicate that the COCs in groundwater continue to be contained at the site with no further migration.

- The total PCE concentration and the total molar concentration of PCE and its daughter compounds, have decreased or remained at low levels in both the shallow and intermediate aquifers as compared to the 2020 data.

- Monitoring of the COC concentrations indicate that the ISCO remedy is reducing the COC mass in both the source area and the Pilot Truck Stop area. The COC mass reduction observed in both the shallow and intermediate aquifers indicate that the ISCO application is effective for the reduction of COC mass in both aquifers at the site. To date, the mass reduction of COCs in the shallow and intermediate aquifers is estimated to be about 85% and 87%, respectively, since the full-scale ISCO remedy was implemented in November 2011.

- The analytical results of the annual indoor air sampling conducted in March 2020 indicate all detected compounds were below NYSDOH guidance values. The ASD system is therefore effective at mitigating indoor air COC concentrations.

- The EC/ICs at the site continue to be maintained in acceptable condition.

RECOMMENDATIONS FOR THE ISCO SYSTEM OPERATION

Based on the conclusions presented above and additional analysis of the site conditions, the following recommendations are proposed for the remedial activities in 2022:

- Monthly injection of 10% (by weight) sodium permanganate solution has been implemented since January 2014. Based on the field observations, residuals of sodium permanganate were still remained in several injection locations during the monthly

inspections. It seems the permanganate solution was not fully utilized/dissipated or limited by the low transmissivity of the aquifer to target residual COCs in groundwater within a month-long period. Therefore, VERINA recommends reducing the manual injection events' frequency from monthly to bi-monthly in 2022. During each injection event, well gauging and color observation will be conducted at each injection well to evaluate the effectiveness of this bi-monthly event.

- The wells selected for bi-monthly manual injection will include: IJ-1, IJ-2, IJ-5, IJ-6, IJ-7, IJ-8, MW-7A, MW-16, MW-24, MW-25R, MW-28, MP-4, MP-5, MP-8S, MP-11, MP-12 and MP-14. VERINA plans to inject a total of 800 gallons of ISCO solution per bi-monthly injection event.

- Based on review of the site data, ISCO injections will continue utilizing a 10% sodium permanganate solution in 2022, mixing and storing the solution in the AST at the site.

RECOMMEDANTIONS FOR THE ASD SYSTEM & ENGINEERING CONTROLS

- In 2022, VERINA will continue the monitoring, sampling and analysis program for the ASD system to assure continued, proper operation.

- VERINA will continue the indoor air sampling in March 2022.

- VERINA will continue the monthly inspection of the site engineering controls and will perform maintenance on the soil caps/covers on an as-needed basis if conditions warrant such work.

RECOMMENDATIONS FOR SITE GROUNDWATER MONITORINGS & SITE REPORTING

During 2022, VERINA will perform the following groundwater sampling and monitoring programs:

- VERINA recommends repairing well MW-39 to make it accessible for future sampling.

- VERINA also recommends abandoning wells MP-4 and MP-5 following the proper well abandonment pursuant to NYSDEC CP-43, and to install 2-inch diameter replacement wells for them. Each replacement well will have the same screened interval as the respective original well and will be placed within 5 ft of the original well location. Each well will also be abandoned and installed by a New York state licensed well driller under the direct supervision of VERINA personnel.

- VERINA will continue the annual groundwater monitoring program in September 2022 in accordance with the approved SMP (VERINA 2020b). The selected wells to be sampled during the annual groundwater sampling event are summarized in Table 3.

- Remedial action progress reporting will continue for the site in 2022 as follows:

- The 2022 PRR along with IC/EC Certification will be submitted to NYSDEC in January 2023 and will include details of the activities performed and data collected in 2022 for the site. This report will also include conclusions and recommendations for future site activities in 2023.

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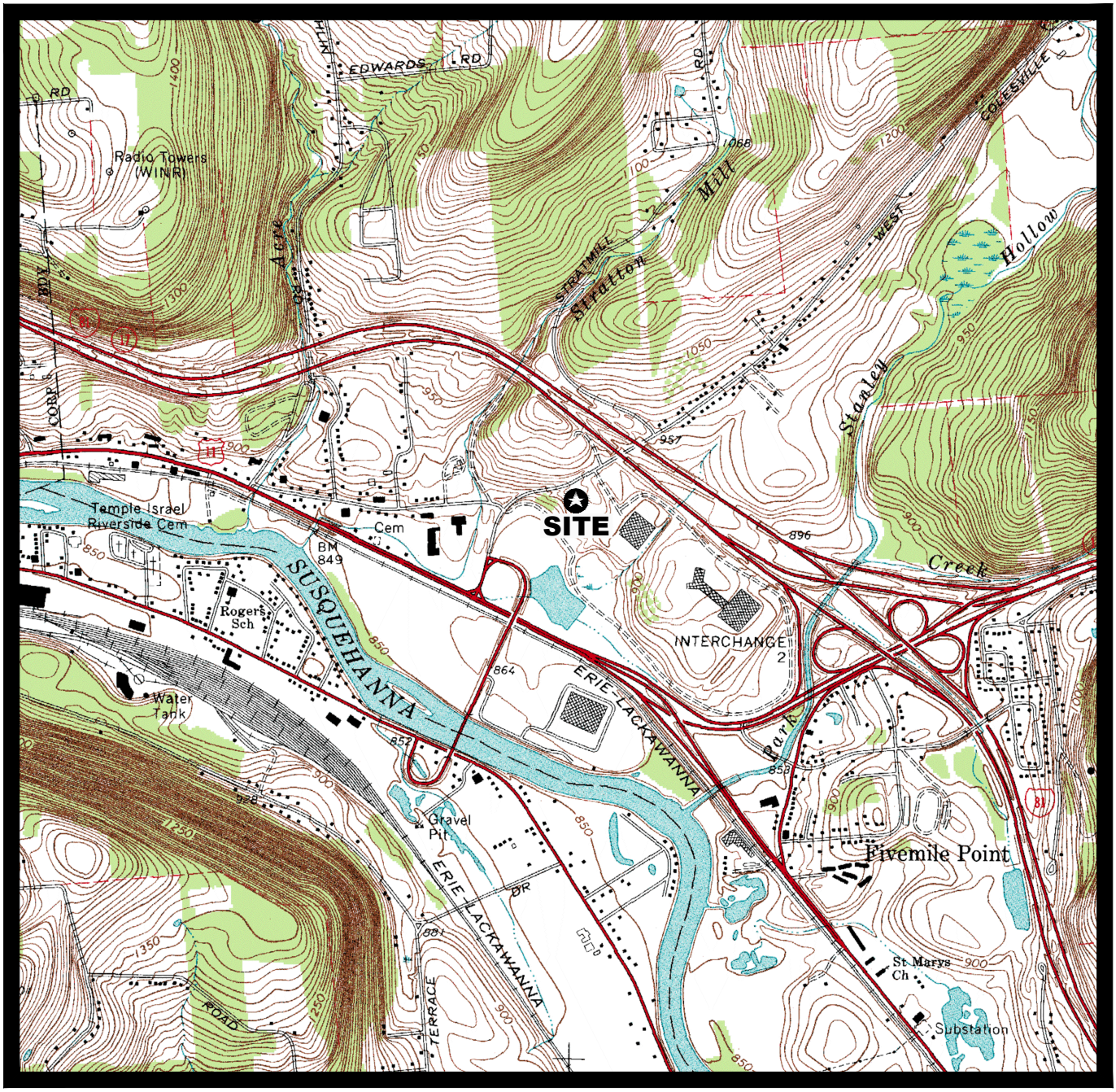
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Figures



BINGHAMTON EAST QUADRANGLE
7.5–MINUTE SERIES

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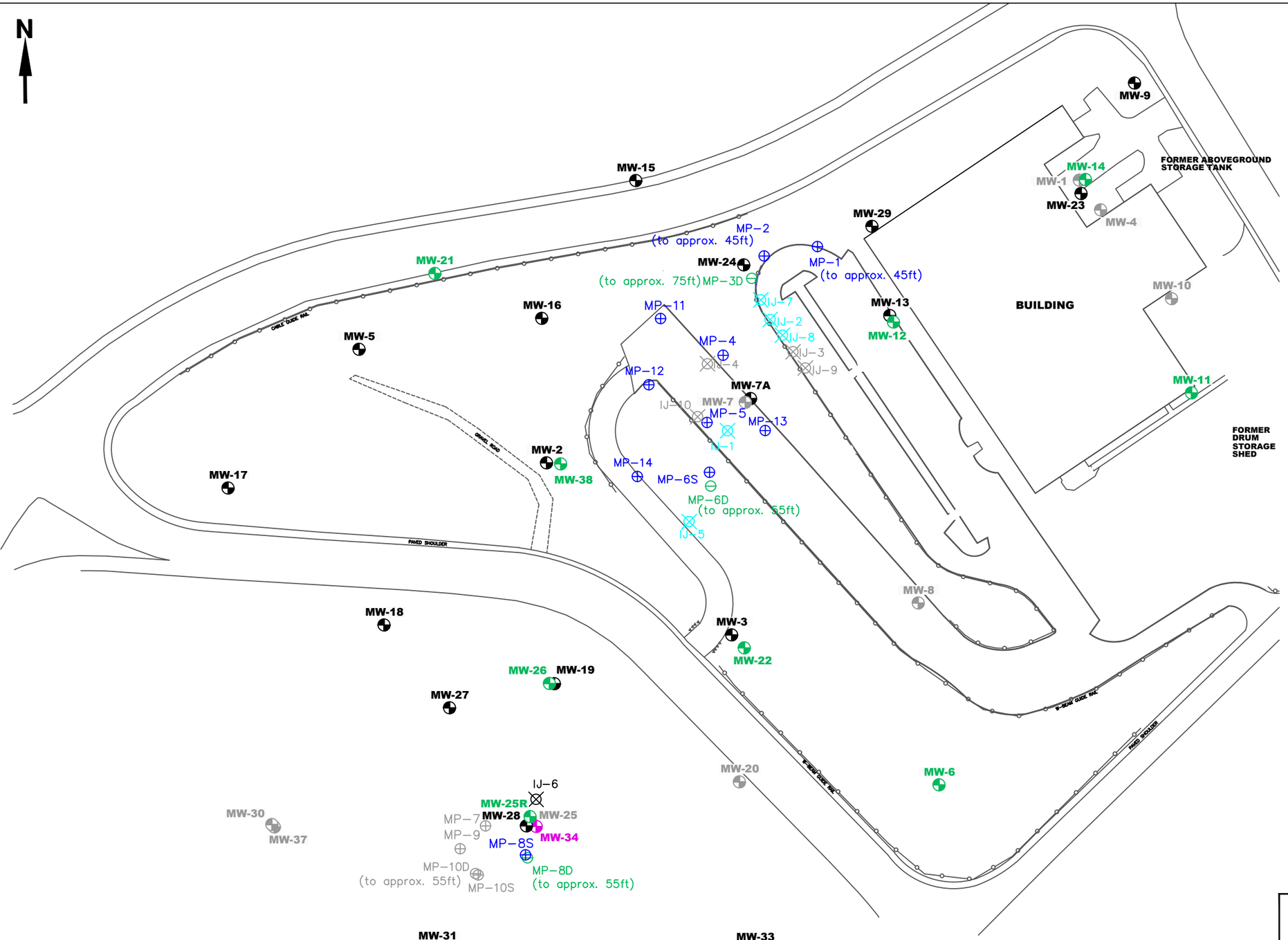
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APPROXIMATE SCALE

FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

REGIONAL LOCATION MAP

VERINA Engineering, P.C.

1



EXPLANATION

- **MW-2** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING WELL
- **MW-6** — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING WELL
- **MW-34** — DESIGNATION AND APPROXIMATE LOCATION OF DEEP MONITORING WELL
- **MW-1** — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL
- **MP-1** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING POINT
- **MP-10S** — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING POINT
- **MP-6D** — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING POINT
- **IJ-1** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW INJECTION WELL
- **IJ-6** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW–INTERMEDIATE INJECTION WELL

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK OCTOBER 7, 1996
MONITORING WELLS OBTAINED FROM HULBERT ENGINEERING AND LAND SURVEYING, DPC, AUGUST 28, 2015 AND UPDATED ON MARCH 28, 2018 AND SEPTEMBER 30, 2019

0 110 FT.
APPROXIMATE SCALE

FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

SITE MAP WITH MONITORING WELL LOCATIONS

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2

N

MW-15 NM

MW-9 873.97*

MW-14

MW-1

MW-23 877.97*

MW-4

MW-29 875.68

MW-21

MW-24 873.53

MP-2 (to approx. 45ft) NM

MP-1 (to approx. 45ft) 875.71

MP-3D (to approx. 75ft)

MW-16 862.19

MP-11 866.97

MW-13 880.34

MW-12

BUILDING

MW-10

MW-5 857.63

MP-4 NM

881.50

IJ-7 IJ-2 IJ-8 IJ-3 IJ-9 IJ-4

MP-12 862.84

MW-7A 876.65

MW-7 IJ-10

MP-5 NM

MP-13 875.40

IJ-1 NM

MW-11

MW-2 855.95

MW-38

MW-17 847.36

MP-14 859.92

MP-6S 863.84

MP-6D (to approx. 55ft)

IJ-5 NM

PAVED SHOULDER

GRAVEL ROAD

CABLE MAKE RD.

MW-8

MW-18 855.59*

MW-3 855.41

MW-22

MW-26 MW-19 846.64

MW-27 847.38

MW-20

MW-6

IJ-6

MW-28 853.06

MW-25R

MW-25

MW-30

MW-37

MP-7

MP-9

MP-8S 844.88

MW-34

MP-10D (to approx. 55ft)

MP-10S

MP-8D (to approx. 55ft)

MW-39

MW-31 845.74

MW-35

MW-32 849.71

MW-33 851.29

MW-36 NM

860.00 855.00 865.00 870.00 875.00 880.00 850.00

EXPLANATION

- MW-2 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING WELL
- MW-1 — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL
- MP-1 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING POINT
- MP-10S — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING POINT
- MP-6D — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING POINT
- IJ-1 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW INJECTION WELL
- IJ-6 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW–INTERMEDIATE INJECTION WELL
- MW-6 — DESIGNATION AND LOCATION OF INTERMEDIATE MONITORING WELL
- MW-34 — DESIGNATION AND LOCATION OF DEEP MONITORING WELL

876.88 GROUNDWATER ELEVATION (FT., MSL)

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

ARROW INDICATES GENERALIZED GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL = 5.0 FT., MSL
AVERAGE HYDRAULIC GRADIENT = 0.015 FT/FT

NOTES:
1) FT., MSL = FEET, MEAN SEA LEVEL
2) NM = NOT MEASURED
3) * = INDICATES RESULT NOT INCLUDED IN GENERATION OF ISOCONTOURS

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK
OCTOBER 7, 1996
MONITORING WELLS OBTAINED FROM HULBERT ENGINEERING AND LAND SURVEYING, DPC, AUGUST 28, 2015 AND UPDATED ON MARCH 28, 2018 AND SEPTEMBER 30, 2019

0 110 FT.
APPROXIMATE SCALE

FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

SHALLOW GROUNDWATER ELEVATION ISOCONTOURS SEPTEMBER 13, 2021

VERINA Engineering, P.C.

3

N

EXPLANATION

- MW-2 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING WELL
- MW-1 — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL
- MP–1 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING POINT
- MP–10S — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING POINT
- MP–6D — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING POINT
- IJ–1 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW INJECTION WELL
- IJ–6 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW–INTERMEDIATE INJECTION WELL
- MW-6 — DESIGNATION AND LOCATION OF INTERMEDIATE MONITORING WELL
- MW-34 — DESIGNATION AND LOCATION OF DEEP MONITORING WELL

880.04 — GROUNDWATER ELEVATION (FT., MSL)

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

CONTOUR INTERVAL = 5.00 FT., MSL
AVERAGE HYDRAULIC GRADIENT = 0.036 FT/FT

NOTES:
1) FT., MSL = FEET, MEAN SEA LEVEL
2) NM = NOT MEASURED
3) * = INDICATES RESULT NOT INCLUDED IN GENERATION OF ISOCONTOURS

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK OCTOBER 7, 1996
MONITORING WELLS OBTAINED FROM HULBERT ENGINEERING AND LAND SURVEYING, DPC, AUGUST 28, 2015 AND UPDATED ON MARCH 28, 2018 AND SEPTEMBER 30, 2019

0 110 FT.
APPROXIMATE SCALE

FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

INTERMEDIATE GROUNDWATER ELEVATION ISOCONTOURS SEPTEMBER 13, 2021

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4

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N

MW-15 ND
MW-21
MW-5 44 *
MW-17 0.76
MW-2 ND
MW-38
MW-18 ND
MW-27 0.65
MW-26
MW-19 6.2
MW-30
MW-37
MW-39
MW-31 ND
MW-32 ND
MW-35
MW-33 2.3
MW-36 ND
MW-20
MW-25R
MW-28 ND
MW-25
MW-34
MW-3 110
MW-22
MW-24 ND
MW-16 11
MW-29 ND
MW-9 ND
MW-14
MW-1
MW-23 ND
MW-4
MW-10
MW-13 14
MW-12
MW-7A ND
MW-7
MW-11
MW-8
MW-6

MP-2 (to approx. 45ft) 2.5
MP-1 ND
(to approx. 75ft) MP-3D
(to approx. 45ft)
MP-11 ND
MP-12 ND
MP-4 2400
MP-5 ND *
MP-13 ND
MP-14 14
MP-6S 590
MP-6D (to approx. 55ft)
MP-7
MP-9
MP-8S 16
MP-10D (to approx. 55ft)
MP-10S
MP-8D (to approx. 55ft)

IJ-1 ND*
IJ-2
IJ-8
IJ-3
IJ-9
IJ-4
IJ-10
IJ-5
IJ-6

1000
100
10

FORMER ABOVEGROUND STORAGE TANK
BUILDING
FORMER DRUM STORAGE SHED
GRAVEL ROAD
PAVED SHOULDER
CABLE DUCK RD.

EXPLANATION

- MW-2 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING WELL
- MW-1 — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL
- MP–1 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING POINT
- MP–6D — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING POINT
- IJ–1 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW INJECTION WELL
- IJ–6 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW–INTERMEDIATE INJECTION WELL
- MW-6 — DESIGNATION AND LOCATION OF INTERMEDIATE MONITORING WELL
- MW-34 — DESIGNATION AND LOCATION OF DEEP MONITORING WELL

17 — PCE CONCENTRATION IN ppb

- PCE > 5 ppb
- PCE > 10 ppb
- PCE > 100 ppb
- PCE > 1000 ppb

NOTES:
1) PCE = TETRACHLOROETHENE
2) ppb = PARTS PER BILLION
3) * = SAMPLED BUT NOT INCLUDED IN ISOCONCENTRATION MAP
4) ND = NOT DETECTED
5) NM = NOT MEASURED
6) D = INDICATES RESULT OBTAINED FROM SAMPLE DILUTION
7) J = INDICATES ESTIMATED VALUE
8) ND INDICATES RESULT OBTAINED FROM HISTORIC DATA
9) ISOCONTOURS DASHED WHERE INFERRED

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK
OCTOBER 7, 1996
MONITORING WELLS OBTAINED FROM HULBERT ENGINEERING AND LAND SURVEYING, DPC, AUGUST 28, 2015 AND UPDATED ON MARCH 28, 2018 AND SEPTEMBER 30, 2019

0 110 FT.
APPROXIMATE SCALE

FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

ESTIMATED PCE ISOCONCENTRATION MAP SHALLOW AQUIFER SEPTEMBER 2021

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5

N

MW-15
MW-21 ND
MW-5
MW-16
MW-24
MW-29
MW-9
MW-14 ND
MW-1
MW-23
MW-4
FORMER ABOVEGROUND STORAGE TANK
MW-10
MW-13
MW-12 ND
BUILDING
MW-11 ND
FORMER DRUM STORAGE SHED
MW-7A
MW-7
MW-2
MW-38 74
MW-17
MW-18
MW-3
MW-22 ND
MW-8
MW-20
MW-6 ND
MW-26
MW-19 8
MW-27
MW-30
MW-37
MW-28 72
MW-25
MW-25R
MW-34
MW-31
MW-33
MW-35
MW-32 ND
MW-39 0.44
MW-36

MP-2 (to approx. 45ft)
MP-1 (to approx. 45ft)
(to approx. 75ft) MP-3D ND
MP-11
MP-4
MP-12
MP-5
MP-13
MP-14
MP-6S
MP-6D ND
(to approx. 55ft)
MP-7
MP-9
MP-8S
MP-8D (to approx. 55ft)
MP-10D (to approx. 55ft)
MP-10S

IJ-7
IJ-2
IJ-8
IJ-3
IJ-9
IJ-4
IJ-10
IJ-1
IJ-5
IJ-6

CABLE DUCK PAD
GRAVEL ROAD
PAVED SHOULDER
10
8
0.9

EXPLANATION

- MW-2 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING WELL
- MW-6 — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING WELL
- MW-34 — DESIGNATION AND APPROXIMATE LOCATION OF DEEP MONITORING WELL
- MW-1 — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL
- MP-1 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING POINT
- MP-10S — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING POINT
- MP-6D — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING POINT
- IJ-1 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW INJECTION WELL
- IJ-6 — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW-INTERMEDIATE INJECTION WELL

11 PCE CONCENTRATION IN ppb

PCE > 5 ppb

PCE > 10 ppb

NOTES:
1) PCE = TETRACHLOROETHENE
2) ppb = PARTS PER BILLION
3) ND = NOT DETECTED
4) J = INDICATES ESTIMATED VALUE
5) 10 INDICATES RESULT OBTAINED FROM HISTORIC DATA
6) ISOCONTOURS DASHED WHERE INFERRED

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK
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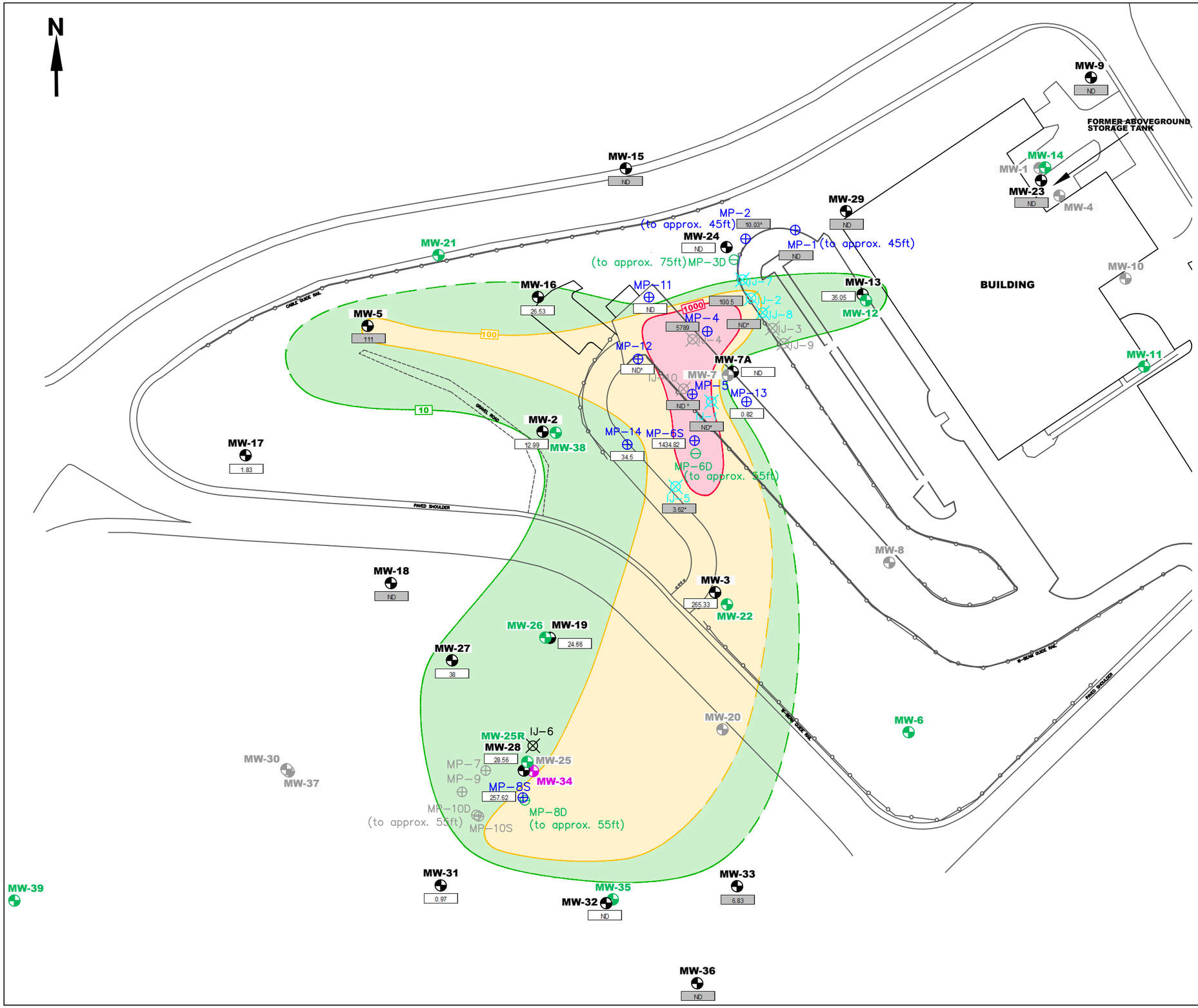
0 110 FT.
APPROXIMATE SCALE

FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

ESTIMATED PCE ISOCONCENTRATION MAP INTERMEDIATE AQUIFER SEPTEMBER 2021

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EXPLANATION

- **MW-2** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING WELL
- **MW-6** — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING WELL
- **MW-34** — DESIGNATION AND APPROXIMATE LOCATION OF DEEP MONITORING WELL
- **MW-1** — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL
- **MP-1** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING POINT
- **MP-10S** — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING POINT
- **MP-6D** — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING POINT
- **IJ-1** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW INJECTION WELL
- **IJ-6** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW–INTERMEDIATE INJECTION WELL
- **44.83** — MOLAR CONCENTRATION IN (mol x 10^8)/L AS CHLORIDE EQUIVALENTS

NOTES:
1) PCE = TETRACHLOROETHENE
2) DAUGHTER COMPOUNDS INCLUDE TCE, 1,2–DCE AND VC
3) TCE = TRICHLOROETHENE
4) 1,2–DCE = 1,2–DICHLOROETHENE
5) VC = VINYL CHLORIDE
6) UNITS = (mol x 10^8)/L
7) ND = NOT DETECTED
8) IF RESULT CONCENTRATION IS NON–DETECT AND REPORTING LIMIT IS ABOVE GWQS, ½ OF THE REPORTING LIMIT USED IN THE MOLAR CALCULATIONS. IF THE CONCENTRATION IS NON–DETECT AND RL IS LESS THAN GWQS, 0 WAS USED IN THE CALCULATION.
9) * = SAMPLED BUT NOT INCLUDED IN ISOCONCENTRATION MAP
10) GWQS = NYSDEC's GROUNDWATER QUALITY STANDARDS
11) **4.00** INDICATES RESULT OBTAINED FROM HISTORIC DATA
12) ISOCONTOUR LINES DASHED WHERE INFERRED

- 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

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK
OCTOBER 7, 1996
MONITORING WELLS OBTAINED FROM HULBERT ENGINEERING AND LAND SURVEYING, DPC, AUGUST 28, 2015 AND UPDATED ON MARCH 28, 2018 AND SEPTEMBER 30, 2019

0 110 FT.
APPROXIMATE SCALE

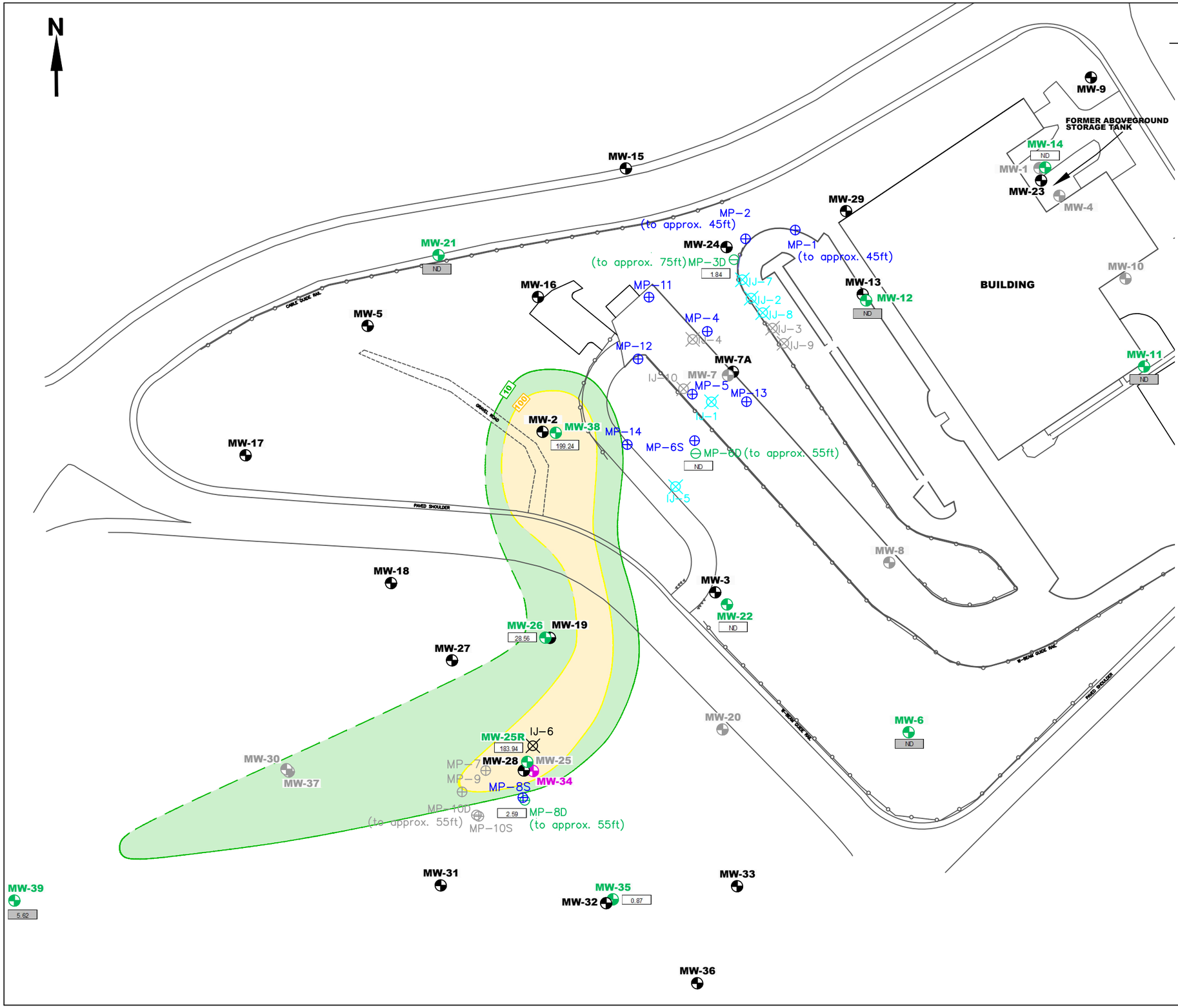
FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

ESTIMATED PCE AND DAUGHTER COMPOUND TOTAL MOLAR ISOCONCENTRATION MAP SHALLOW AQUIFER SEPTEMBER 2021

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7

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EXPLANATION

- **MW-2** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING WELL
- **MW-6** — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING WELL
- **MW-34** — DESIGNATION AND APPROXIMATE LOCATION OF DEEP MONITORING WELL
- **MW-1** — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL
- **MP-1** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING POINT
- **MP-10S** — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING POINT
- **MP-6D** — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING POINT
- **IJ-1** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW INJECTION WELL
- **IJ-6** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW–INTERMEDIATE INJECTION WELL
- **1.88** — MOLAR CONCENTRATION IN (mol x 10^8)/L AS CHLORIDE EQUIVALENTS

NOTES:
1) PCE = TETRACHLOROETHENE
2) DAUGHTER COMPOUNDS INCLUDE TCE, 1,2–DCE AND VC
3) TCE = TRICHLOROETHENE
4) 1,2–DCE = 1,2–DICHLOROETHENE
5) VC = VINYL CHLORIDE
6) UNITS = (mol x 10^8)/L
7) ND = NOT DETECTED
8) IF RESULT CONCENTRATION IS NON–DETECT AND REPORTING LIMIT IS ABOVE GWQS, ½ OF THE REPORTING LIMIT USED IN THE MOLAR CALCULATIONS. IF THE CONCENTRATION IS NON–DETECT AND RL IS LESS THAN GWQS, 0 WAS USED IN THE CALCULATION.
9) * = SAMPLED BUT NOT INCLUDED IN ISOCONCENTRATION MAP
10) GWQS = NYSDEC's GROUNDWATER QUALITY STANDARDS
11) 4.00 INDICATES RESULT OBTAINED FROM HISTORIC DATA
12) ISOCONTOURS DASHED WHERE INFERRED

- MOLAR CONCENTRATION > 10 (mol x 10^8)/L AS CHLORIDE EQUIVALENTS
- MOLAR CONCENTRATION > 100 (mol x 10^8)/L AS CHLORIDE EQUIVALENTS

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK OCTOBER 7, 1996
MONITORING WELLS OBTAINED FROM HULBERT ENGINEERING AND LAND SURVEYING, DPC, AUGUST 28, 2015 AND UPDATED ON MARCH 28, 2018 AND SEPTEMBER 30, 2019

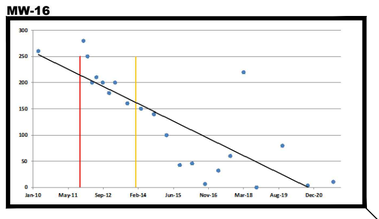
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APPROXIMATE SCALE

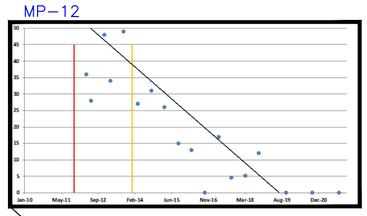
FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

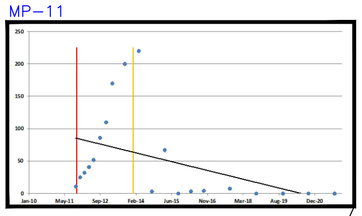
ESTIMATED PCE AND DAUGHTER COMPOUND TOTAL MOLAR ISOCONCENTRATION MAP INTERMEDIATE AQUIFER SEPTEMBER 2021

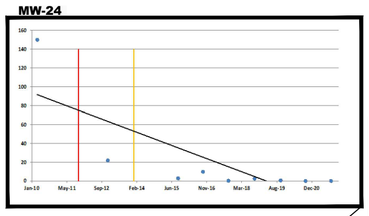
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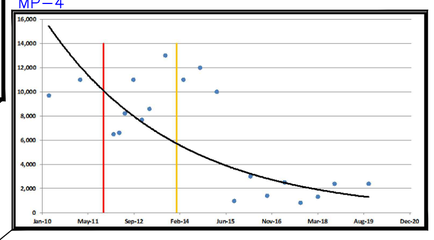
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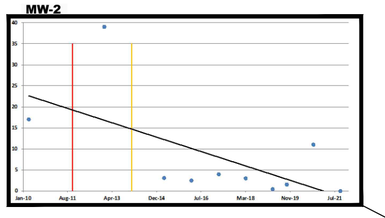


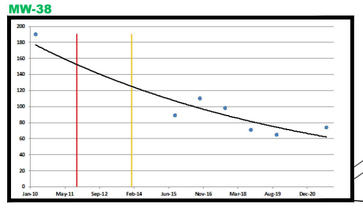


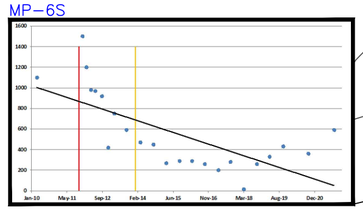


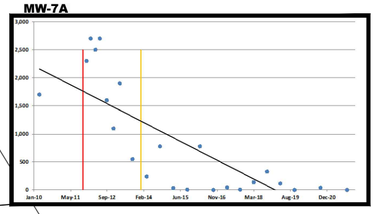


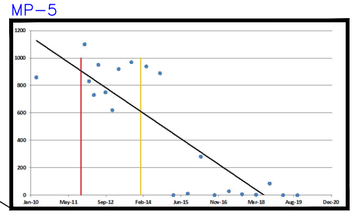


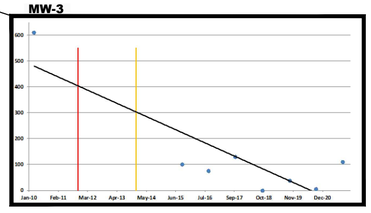


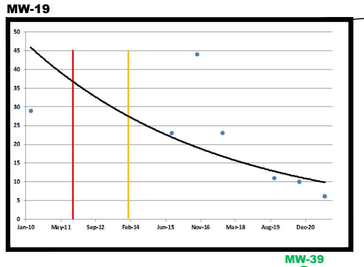


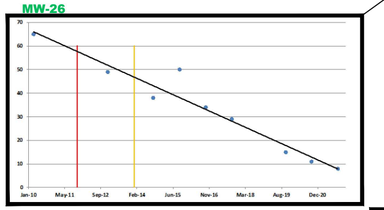


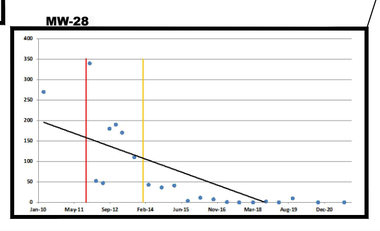


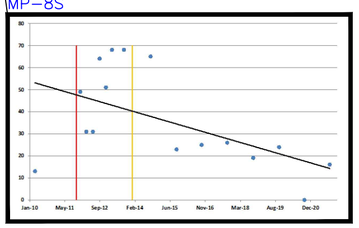


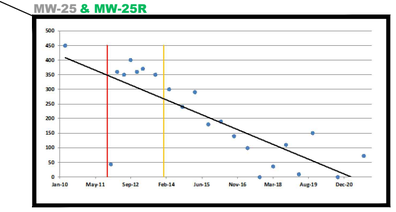












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EXPLANATION

- **MW-2** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING WELL
- **MW-6** — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING WELL
- **MW-34** — DESIGNATION AND APPROXIMATE LOCATION OF DEEP MONITORING WELL
- **MW-1** — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL
- **MP-1** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW MONITORING POINT
- **MP-10S** — DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING POINT
- **MP-6D** — DESIGNATION AND APPROXIMATE LOCATION OF INTERMEDIATE MONITORING POINT
- **IJ-1** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW INJECTION WELL
- **IJ-6** — DESIGNATION AND APPROXIMATE LOCATION OF SHALLOW-INTERMEDIATE INJECTION WELL
- GENERALIZED GROUNDWATER FLOW DIRECTION IN BOTH SHALLOW AND INTERMEDIATE AQUIFERS

NOTES:
1) RED LINE = START OF FULL SCALE ISCO INJECTION PROGRAM AT THE SITE (MANUAL AND AUTOMATIC INJECTION METHODS)
2) YELLOW LINE = START OF EXPANDED MANUAL INJECTION PROGRAM AND DISCONTINUANCE OF AUTOMATIC INJECTION SYSTEM

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK OCTOBER 7, 1996

0 110 FT.
APPROXIMATE SCALE

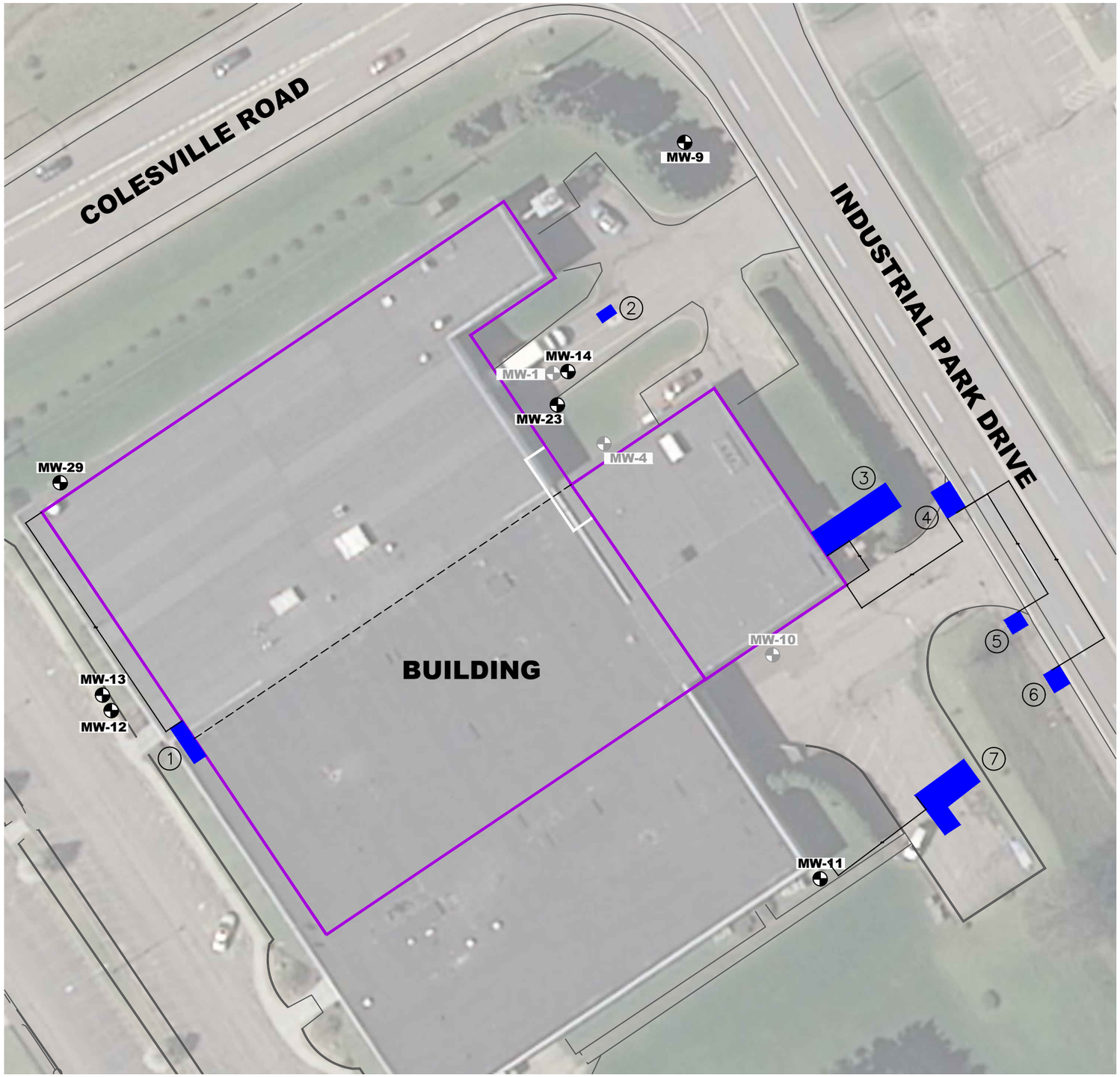
FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

PCE TREND ANALYSIS IN SHALLOW AND INTERMEDIATE AQUIFERS

VERINA Engineering, P.C.

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EXPLANATION

MW-2 DESIGNATION AND APPROXIMATE LOCATION OF MONITORING WELL

MW-1 DESIGNATION AND APPROXIMATE LOCATION OF ABANDONED MONITORING WELL

BUILDING DEED RESTRICTION AREAS

EXTERIOR DEED RESTRICTION AREAS

DEPTH TO PCE–AFFECTED SOIL

1. 4 FEET
2. 6 FEET
3. 8 FEET
4. 8 FEET
5. 5 FEET
6. 7 FEET
7. 3 FEET

SOURCE:
SITE MAP AND FEATURES OBTAINED FROM *BOUNDARY AND TOPOGRAPHIC SURVEY UNIVERSAL INSTRUMENTS CORPORATION 29 INDUSTRIAL PARK DRIVE TOWN OF KIRKWOOD BROOME COUNTY NEW YORK STATE* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK
OCTOBER 7, 1996

0 50 FT.
APPROXIMATE SCALE

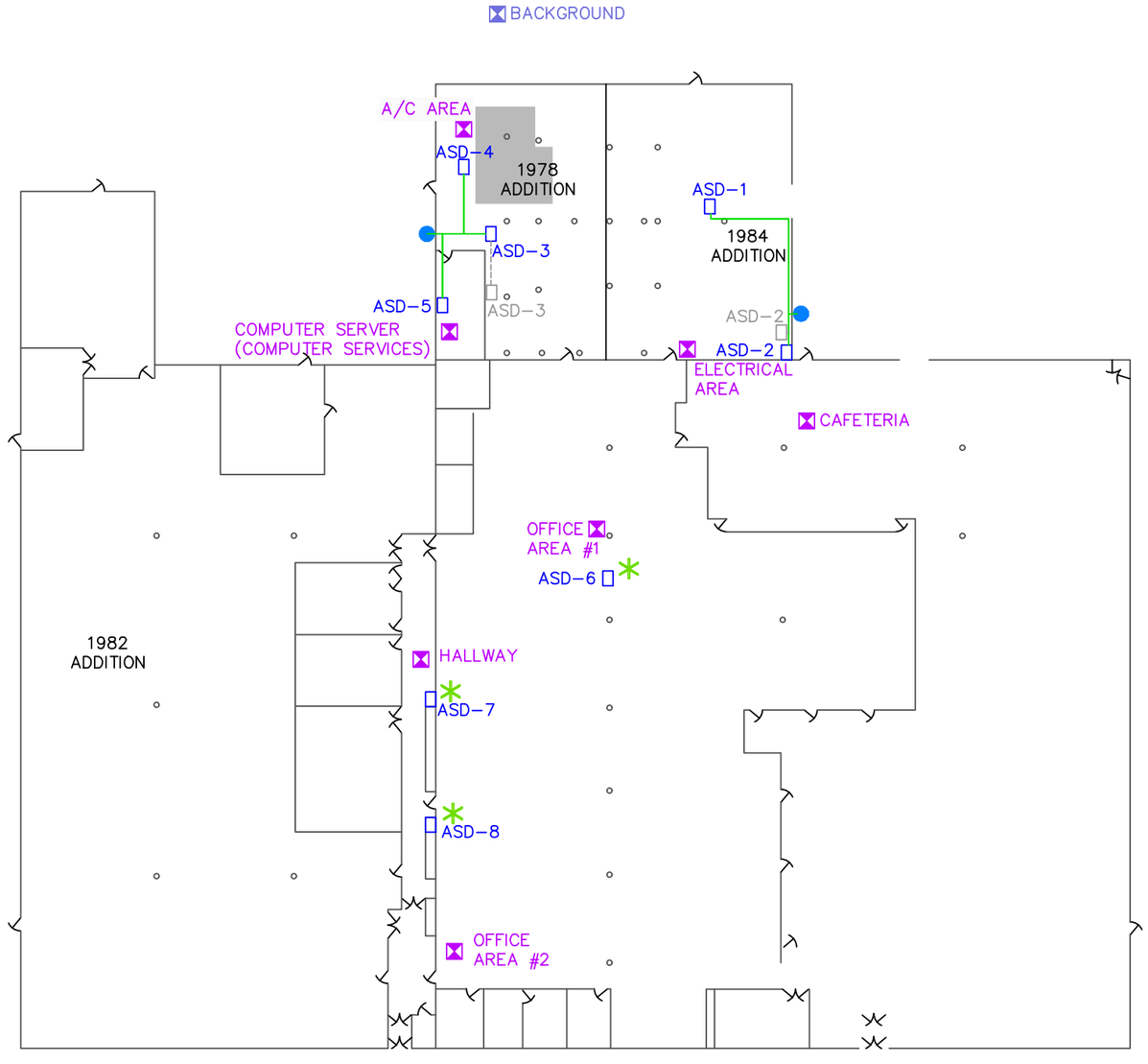
FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

DEED RESTRICTION AND SOIL CAP SYSTEM AREAS

VERINA Engineering, P.C.

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\\server01\Shared\JOBFILES\5101-DOVER\5101.0002 - Dover Kirkwood, NY\CAD\2020\5101.0002-Figure-010-SCA-2020.dwg LAYOUT: DEED-00 SAVED: 11/30/2020 1:17 PM BY: CLAUDIO STABILE



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EXPLANATION

- EXISTING SUB-SLAB DEPRESSURIZATION POINT LOCATION
- EXISTING ASD PIPING RUN
- PREVIOUS SUB-SLAB DEPRESSURIZATION POINT LOCATION
- PREVIOUS ASD PIPING RUN
- EXTERIOR FAN AND EXHAUST LOCATION
- VERTICAL BUILDING POST
- INACCESSIBLE AREA
- INDOOR AIR SAMPLING LOCATION AND DESIGNATION
- AMBIENT (OUTDOOR) AIR SAMPLING LOCATION AND DESIGNATION
- DEDICATED FAN LOCATED ON RISER PIPE

SOURCE:
BUILDING LAYOUT DIGITIZED FROM PHOTOCOPY OF DRAWING FAXED FROM UNIVERSAL INSTRUMENTS CORPORATION FACILITIES DEPARTMENT.
NO FILE NAME OR SCALE PROVIDED.

DRAWING NOT TO SCALE

FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

ASD SYSTEM LOCATION AND LAYOUT MAP AND INDOOR AIR SAMPLING LOCATIONS

VERINA Engineering, P.C.

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Tables

Table 1 ISCO Manual Injection Summary, January - December 2021 - Former Dover Electronics Site, Kirkwood, New York

Injection Well ID	Injection Date(s)											
	January 19-21, 2021	February 9-11, 2021	March 9-11, 2021	April 20-22, 2021	May 18-20, 2021	June 22-23, 2021	July 20-21, 2021	August 17-18, 2021	September 29-30, 2021	October 26-27, 2021	November 16-17, 2021	December 15-16, 2021
	Volume Injected (gal)	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**
MW-7A	35	35	40	35	50	40	75	50	40	40	45	30
MW-16	135	160	155	115	75	145	0	155	150	140	125	130
MW-24	40	55	60	50	25	45	90	55	50	60	60	45
MW-25R	5	5	5	5	25	5	10	5	10	5	0	35
MW-28	50	0	0	15	0	30	50	25	15	15	30	10
MP-4	30	30	30	20	75	65	55	25	40	50	40	30
MP-5	85	125	120	120	50	90	135	75	70	95	90	80
MP-8S	0	0	0	0	0	0	0	0	10	0	0	0
MP-11	35	0	30	35	50	50	65	55	40	35	55	35
MP-12	75	75	70	115	25	60	125	85	95	90	75	75
MP-14	85	120	105	105	25	75	45	75	80	75	60	65
IJ-1	70	50	50	40	75	55	50	60	50	45	100	90
IJ-2	45	40	45	45	25	40	45	40	50	40	40	50
IJ-5	10	10	10	10	25	10	5	5	5	10	20	25
IJ-6	55	50	55	50	25	50	50	50	45	40	20	40
IJ-7	25	30	10	15	50	25	0	30	35	40	25	42
IJ-8	20	15	15	25	50	15	0	10	15	20	15	18
Total Injected Volume (gal)	**800**	**800**	**800**	**800**	**650**	**800**	**800**	**800**	**800**	**800**	**800**	**800**

NOTES:

Gal = Gallons

ISCO injection solution is a 10% by weight sodium permanganate solution.

Table 2 Groundwater Elevation Data - September 2021, Former Dover Electronics Site, Kirkwood, New York

Monitoring Well/Point	Top of Casing (ft, msl)	Date	Depth to Water (ft, btoc)	Groundwater Elevation (ft, msl)	Total Depth (ft, btoc)	Screened Interval (ft, btoc)	Water Bearing Unit
MW-2	863.28	9/13/2021	7.33	855.95	16.60	5-15	Shallow
MW-3	859.16	9/13/2021	3.75	855.41	14.53	5-15	Shallow
MW-5	864.68	9/13/2021	7.05	857.63	10.18	5-20	Shallow
MW-6	863.67	9/13/2021	-	-	-	15-35	Intermediate
MW-7A	882.74	9/13/2021	6.09	876.65	14.42	7-17	Shallow
MW-9	923.94	9/13/2021	49.97	873.97	59.84	30-60	Shallow
MW-11	918.87	9/13/2021	39.21	879.66	61.70	52-62	Intermediate
MW-12	912.31	9/13/2021	37.34	874.97	72.69	63-73	Intermediate
MW-13	912.14	9/13/2021	31.80	880.34	48.51	39-49	Shallow
MW-14	915.40	9/13/2021	38.45	876.95	71.72	62-72	Intermediate
MW-15	899.38	9/13/2021	-	-	-	36-46	Shallow
MW-16	878.87	9/13/2021	16.68	862.19	30.68	18-28	Shallow
MW-17	859.29	9/13/2021	11.93	847.36	20.27	8-18	Shallow
MW-18	857.34	9/13/2021	1.75	855.59	12.64	8-18	Shallow
MW-19	859.59	9/13/2021	12.95	846.64	19.24	8-18	Shallow
MW-21	883.22	9/13/2021	-	-	-	31-41	Intermediate
MW-22	861.62	9/13/2021	4.47	857.15	21.67	17-22	Intermediate
MW-23	916.62	9/13/2021	38.65	877.97	50.31	40.5-50.5	Shallow
MW-24	907.66	9/13/2021	34.13	873.53	40.72	35-45	Shallow
MW-25R	856.91	9/13/2021	11.84	845.07	37.99	34-39	Intermediate
MW-26	859.04	9/13/2021	13.03	846.01	28.10	22.5-27.5	Intermediate
MW-27	860.01	9/13/2021	12.63	847.38	26.09	16.5-26.5	Shallow
MW-28	857.08	9/13/2021	4.02	853.06	24.24	15-25	Shallow
MW-29	917.36	9/13/2021	41.68	875.68	48.91	39-49	Shallow
MW-31	856.90	9/13/2021	11.16	845.74	21.48	13-23	Shallow
MW-32	861.18	9/13/2021	11.47	849.71	23.54	15.1-25.1	Shallow
MW-33	863.64	9/13/2021	12.35	851.29	22.72	15-25	Shallow
MW-34	857.03	9/13/2021	-	-	54.34	53-58	Deep
MW-35	856.89	9/13/2021	11.04	845.85	36.51	32-37	Intermediate
MW-36	857.19	9/13/2021	-	-	-	14-24	Shallow
MW-38	862.70	9/13/2021	4.76	857.94	23.92	20-25	Intermediate
MW-39	857.74	9/13/2021	-	-	-	42-47	Intermediate
MP-1	912.63	9/13/2021	36.92	875.71	36.97	31-41	Shallow
MP-2	911.00	9/13/2021	-	-		34-44	Shallow
MP-3D	910.59	9/13/2021	35.62	874.97	73.19	46-56	Intermediate
MP-4	883.65	9/13/2021	-	-	-	17-27	Shallow
MP-5	881.66	9/13/2021	-	-	-	14-24	Shallow
MP-6S	875.67	9/13/2021	11.83	863.84	24.98	14-24	Shallow
MP-6D	873.83	9/13/2021	6.52	867.31	48.43	39-49	Intermediate
MP-8S	857.40	9/13/2021	12.52	844.88	14.93	13-23	Shallow
MP-8D	857.20	9/13/2021	12.28	844.92	53.10	44-54	Intermediate
MP-11	875.80	9/13/2021	8.83	866.97	28.41	20-30	Shallow
MP-12	876.60	9/13/2021	13.76	862.84	22.00	15-25	Shallow
MP-13	884.30	9/13/2021	8.90	875.40	24.44	15-25	Shallow
MP-14	867.80	9/13/2021	7.88	859.92	19.75	15-25	Shallow
IJ-1	-	9/13/2021	12.48	-	22.09	15-25	Shallow
IJ-2	908.90	9/13/2021	27.40	881.50	43.95	30-45	Shallow
IJ-5	-	9/13/2021	-	-	-	10-25	Shallow
IJ-6	-	9/13/2021	-	-	-	10-20, 30-40	Shallow-Intermediate
IJ-7	909.00	9/13/2021	20.05	888.95	39.25	30-45	Shallow
IJ-8	909.20	9/13/2021	3.24	905.96	41.09	30-45	Shallow

Notes:

-: Not Applicable

All wells gauged within a 24-hour period.

ft, btoc = Feet below top of inner well casing.

ft, msl = Feet above mean sea level.

Table 3 Annual Groundwater Monitoring Matrix, Former Dover Electronics Site, Kirkwood, New York

Monitoring Well ID	Water Bearing Unit	Well Included in Annual Sampling Program (Sept.)
MW-2	Shallow	X
MW-3	Shallow	X
MW-5	Shallow	
MW-6	Intermediate	
MW-7A	Shallow	X
MW-8	Abandoned	
MW-9	Shallow	
MW-11	Intermediate	
MW-12	Intermediate	
MW-13	Shallow	X
MW-14	Intermediate	X
MW-15	Shallow	
MW-16	Shallow	X
MW-17	Shallow	X
MW-18	Shallow	
MW-19	Shallow	X
MW-20	Abandoned	
MW-21	Intermediate	
MW-22	Intermediate	X
MW-23	Shallow	
MW-24	Shallow	X
MW-25R	Intermediate	X
MW-26	Intermediate	X
MW-27	Shallow	X
MW-28	Shallow	X
MW-29	Shallow	
MW-30	Abandoned	
MW-31	Shallow	X
MW-32	Shallow	X
MW-33	Shallow	
MW-34	Deep	
MW-35	Intermediate	X
MW-36	Shallow	
MW-37	Abandoned	
MW-38	Intermediate	X
MW-39	Intermediate	X
MP-1	Shallow	
MP-2	Shallow	
MP-3D	Intermediate	X
MP-4	Shallow	X
MP-5	Shallow	X
MP-6S	Shallow	X
MP-6D	Intermediate	X
MP-7	Abandoned	
MP-8S	Shallow	X
MP-8D	Intermediate	X
MP-9	Abandoned	
MP-10S	Abandoned	
MP-10D	Abandoned	
MP-11	Shallow	X
MP-12	Shallow	X
MP-13	Shallow	X
MP-14	Shallow	X
IJ-1	Shallow	
IJ-2	Shallow	
IJ-3	Abandoned	
IJ-4	Abandoned	
IJ-5	Shallow	
IJ-6	Shallow-Intermediate	
IJ-7	Shallow	
IJ-8	Shallow	
IJ-9	Abandoned	
IJ-10	Abandoned	

Notes:

X = Well is sampled as part of the annual sampling program

Table 4 2021 Residual Permanganate Concentrations, Former Dover Electronics Site, Kirkwood, New York

Monitoring Well ID	Water Bearing Unit	Permanganate Concentration September 2021 (mg/L)
MW-2	Shallow	NS
MW-3	Shallow	0.4
MW-5	Shallow	NS
MW-6	Intermediate	NS
MW-7A	Shallow	574
MW-9	Shallow	NS
MW-11	Intermediate	NS
MW-12	Intermediate	NS
MW-13	Shallow	NS
MW-14	Intermediate	NS
MW-15	Shallow	NS
MW-16	Shallow	70
MW-17	Shallow	NS
MW-18	Shallow	NS
MW-19	Shallow	NS
MW-21	Intermediate	NS
MW-22	Intermediate	NS
MW-23	Shallow	NS
MW-24	Shallow	720
MW-25/MW-25R	Intermediate	NS
MW-26	Intermediate	NS
MW-27	Shallow	NS
MW-28	Shallow	NS
MW-29	Shallow	NS
MW-31	Shallow	NS
MW-32	Shallow	NS
MW-33	Shallow	NS
MW-34	Deep	NS
MW-35	Intermediate	NS
MW-36	Shallow	NS
MW-38	Intermediate	NS
MW-39	Intermediate	NS
MP-1	Shallow	NS
MP-2	Shallow	NS
MP-3D	Intermediate	NS
MP-4	Shallow	NS
MP-5	Shallow	NS
MP-6S	Shallow	1.8
MP-6D	Intermediate	NS
MP-8S	Shallow	NS
MP-8D	Intermediate	NS
MP-11	Shallow	3750
MP-12	Shallow	600.0
MP-13	Shallow	NS
MP-14	Shallow	3
IJ-1	Shallow	NS
IJ-2	Intermediate	NS
IJ-5	Shallow	NS
IJ-6	Shallow-Intermediate	NS
IJ-7	Shallow	NS
IJ-8	Shallow	NS

Notes:

NM: Not Measured

mg/L = Miligrams per liter

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

NS= Well not sampled during given sampling event

Table 5 Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MW-1	11/18/1998	TAL/TCL	170	11	21	8.1
MW-2	11/13/1998	SSPL VOCs	320	3.6J	4.4J	NA
	09/21/2001	SSPL VOCs	22	1J	1J	<1.8
	12/04/2001	SSPL VOCs	150	5	5	<6
	01/29/2002	SSPL VOCs	10	0.3J	0.05J	<0.5
	04/03/2002	SSPL VOCs	7	0.2J	<0.5	<0.5
	09/11/2002	SSPL VOCs	100	6	<3	<3
	03/26/2003	SSPL VOCs	9	0.2J	0.09J	<0.5
	09/17/2003	SSPL VOCs	22	0.75	0.63	<0.5
	04/07/2004	SSPL VOCs	14	0.26J	<0.5	<0.5
	09/21/2004	SSPL VOCs	9.5	1.2	0.8	<0.5
	09/28/2005	SSPL VOCs	160	13	5.4	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/03/2006	SSPL VOCs	6.3	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	9.7	0.66J	<5.0	<5.0
	04/03/2007	SSPL VOCs	10	0.61J	0.33J	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	160	11	3.2J	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/26/2008	SSPL VOCs	3.0 J	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	120	8	2.0J	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	16	1.0J	<5.0	<5.0
	09/23/2009	SSPL VOCs	160	11	2.5 J	<5.0
	03/17/2010	SSPL VOCs	17.0	2.0 J	1.2 J	<5.0
	12/27/2012	SSPL VOCs	39	5.3	3.3 J	<5.0
	03/16/2015	SSPL VOCs	3.1 J	1.8 J	1.6 J	<5.0
	03/15/2016	SSPL VOCs	2.5	4.1	4.9	<5.0
	03/20/2017	SSPL VOCs	4.0	2.6	0.74 J	<1.0
	03/19/2018	SSPL VOCs	3.0	1.4	0.31 J	<1.0
	03/18/2019	SSPL VOCs	0.43 J	2.4	2.6	<1.0
	09/24/2019	SSPL VOCs	1.5	3.7	4.2	<1.0
	09/16/2020	SSPL VOCs	11	4.4	4.0	<1.0
	09/16/2021	SSPL VOCs	1.0 U	2.8	3.2	1.0 U
MW-3	11/12/1998	SSPL VOCs	200	<5.0	<5.0	ND
	09/20/2001	SSPL VOCs	11	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	110	3J	5	<2.0
	03/12/2010	SSPL VOCs	610 D	7.2	10.0	<5.0
	09/20/2015	SSPL VOCs	100	1.4 J	2.8 J	<5.0
	09/14/2016	SSPL VOCs	75	1.3	1.1	<1.0
	09/12/2017	SSPL VOCs	130	0.60 J	2.0	<1.0
	09/19/2018	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/24/2019	SSPL VOCs	38	<1.0	<1.0	<1.0
	09/16/2020	SSPL VOCs	5.6	<1.0	<1.0	<1.0
	09/16/2021	SSPL VOCs	110	<1.0	<1.0	<1.0
MW-5	11/13/1998	SSPL VOCs	14	<5.0	<5.0	ND
	09/21/2001	SSPL VOCs	12	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	13 B	0.2 J	<0.5	<0.5
	03/18/2010	SSPL VOCs	31	<5.0	<5.0	<5.0
	11/18/2014	SSPL VOCs	45	2.3 J	<5.0	<5.0
	09/21/2015	SSPL VOCs	44	0.38 J	<5.0	<5.0
MW-6	11/11/1998	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/21/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	0.2JB	<0.5	<0.5	<0.5
	03/18/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/14/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/24/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/18/2014	SSPL VOCs	<5.0 (<5.0)	<5.0 (<5.0)	<5.0 (<5.0)	<5.0 (<5.0)
MW-7A	11/16/1998	SSPL VOCs	1,300	<5.0	<50	ND
	09/19/2001	SSPL VOCs	3,600	<130	<130	<130
	12/04/2001	SSPL VOCs	6,000	<160	<160	<160
	01/28/2002	SSPL VOCs	3,900	<84	<84	<84
	04/02/2002	SSPL VOCs	3,800	38J	<170	<170
	09/11/2002	SSPL VOCs	3,600	<83	<83	<83
	03/25/2003	SSPL VOCs	7,700	53J	<250	<250
	09/17/2003	SSPL VOCs	2,700	9.9J	<83	<83
	04/07/2004	SSPL VOCs	6,200	3.2J	0.6J	<130
	09/24/2004	SSPL VOCs	4,100	<130	<130	<130
	09/28/2005	SSPL VOCs	2,700	2.4	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	2,900D	<50	<50	<50
	03/08/2006	Phase II ISCO Field Test				
	04/03/2006	SSPL VOCs	1,000	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	1,900	<50	3.9 J	<50
	04/03/2007	SSPL VOCs	2,400D	4.5 J	<50	<50
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	2,000	<100	<100	<100
	11/27/2007	Phase III ISCO Field Test				
	03/25/2008	SSPL VOCs	< 5.0	<5.0	< 5.0	< 5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	1,600D	1.8 J	2.2 J	<25
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	2,100D	<50	<50	<50
	09/24/2009	SSPL VOCs	3,700	<100	<100	<100
	03/17/2010	SSPL VOCs	1,700	<50	<50	<50
	12/19/2011	SSPL VOCs	2300 D	3.7 J	<50	<100
	02/14/2012	SSPL VOCs	2,700	5.8 J	<100	<100
	04/18/2012	SSPL VOCs	2,500	<100	<100	<100
	06/19/2012	SSPL VOCs	2,700	<100	<100	<100
	09/20/2012	SSPL VOCs	1,600	<50	<50	<50
	12/20/2012	SSPL VOCs	1,100	<50	<50	<50
	03/15/2013	SSPL VOCs	1900 D	<100	<100	<100
	09/04/2013	SSPL VOCs	550	<25	<25	<25
	03/18/2014	SSPL VOCs	240	<10	<10	<10
	09/17/2014	SSPL VOCs	780 D	<25	<25	<25
	03/17/2015	SSPL VOCs	35 (37)	<5.0 (<5.0)	<5.0 (<5.0)	<5.0 (<5.0)
	09/22/2015	SSPL VOCs	4.1 J	<25	<25	<25
	03/15/2016	SSPL VOCs	780 D	0.22 J	<5.0	<5.0
	09/15/2016	SSPL VOCs	<5.0 (<5.0)	<5.0 (<5.0)	<5.0 (<5.0)	<5.0 (<5.0)
	03/23/2017	SSPL VOCs	44	<5.0	<5.0	<5.0
	09/13/2017	SSPL VOCs	6.2	<1.0	<1.0	<1.0
	03/21/2018	SSPL VOCs	140	<1.0	<1.0	<1.0
	09/20/2018	SSPL VOCs	330 D	<1.0	<1.0	<1.0
	03/19/2019	SSPL VOCs	120	<1.0	<1.0	<1.0
	09/26/2019	SSPL VOCs	0.87 J (0.66 J)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
	09/16/2020	SSPL VOCs	38	<1.0	<1.0	<1.0
	09/16/2021	<1.0	<1.0	<1.0	<1.0	<1.0

See notes on last page

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MW-8	11/16/1998	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/21/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	03/18/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/28/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/24/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
MW-9	11/18/1998	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/19/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	0.07 JB	<0.5	<0.5	<0.5
	03/16/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
MW-11	11/13/1998	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/19/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	0.1 JB	<0.5	<0.5	<0.5
	03/18/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/18/2014	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
MW-12	11/17/1998	SSPL VOCs	<5.0	<5.0	<5.0	ND
	02/02/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/19/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	12/03/2001	SSPL VOCs	0.09J	<0.5	<0.5	<0.5
	01/28/2002	SSPL VOCs	0.09J	<0.5	<0.5	<0.5
	04/02/2002	SSPL VOCs	<0.5	0.03J	<0.5	<0.5
	09/10/2002	SSPL VOCs	0.2J	<0.5	<0.5	<0.5
	03/25/2003	SSPL VOCs	0.1J	<0.5	<0.5	<0.5
	09/17/2003	SSPL VOCs	0.16J	<0.5	<0.5	<0.5
	04/08/2004	SSPL VOCs	0.26J	<0.5	<0.5	<0.5
	09/24/2004	SSPL VOCs	0.27J	<0.5	<0.5	<0.5
	09/28/2005	SSPL VOCs	<1.0	<1.0	<2.0	<2.0
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/03/2006	SSPL VOCs	1.1 J	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	0.46J	<5.0	<5.0	<5.0
	04/03/2007	SSPL VOCs	0.55J	<5.0	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/25/2008	SSPL VOCs	4.4J	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/02/2008	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/25/2009	SSPL VOCs	0.58J	<5.0	<5.0	<5.0
	03/19/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/27/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/18/2014	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
MW-13	11/12/1998	SSPL VOCs	13	<5.0	<5.0	ND
	02/02/1999	SSPL VOCs	9.7	<5.0	<5.0	ND
	09/19/2001	SSPL VOCs	13	0.3J	<0.5	<0.5
	12/03/2001	SSPL VOCs	14	0.3J	0.06J	<0.5
	01/28/2002	SSPL VOCs	13	<0.5	<0.5	<0.5
	04/02/2002	SSPL VOCs	8	0.2J	<0.5	<0.5
	09/10/2002	SSPL VOCs	7	0.2J	<0.5	<0.5
	03/25/2003	SSPL VOCs	20	0.5J	0.9	<0.5
	09/17/2003	SSPL VOCs	12	0.25J	<0.5	<0.5
	04/08/2004	SSPL VOCs	23	0.16J	<0.5	<0.5
	09/24/2004	SSPL VOCs	10	0.26J	<0.5	<0.5
	09/28/2005	SSPL VOCs	4	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/03/2006	SSPL VOCs	1.4 J	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	11	<5.0	<5.0	<5.0
	04/03/2007	SSPL VOCs	14	0.31J	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	11	0.32 J	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/25/2008	SSPL VOCs	3.6J	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/02/2008	SSPL VOCs	5.2	<5.0	<5.0	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	<1	<5.0	<5.0	<5.0
	09/25/2009	SSPL VOCs	13	<5.0	<5.0	<5.0
	03/19/2010	SSPL VOCs	15	<5.0	<5.0	<5.0
	09/22/2015	SSPL VOCs	17	0.59 J	<5.0	<5.0
	09/14/2016	SSPL VOCs	33	1.4	<1.0	<1.0
	09/11/2017	SSPL VOCs	19	0.60 J	<1.0	<1.0
	09/20/2018	SSPL VOCs	13	0.99 J	<1.0	<1.0
	09/25/2019	SSPL VOCs	6.3	0.54 J	<1.0	<1.0
	09/17/2020	SSPL VOCs	3.1	0.41 J	<1.0	<1.0
	09/16/2021	SSPL VOCs	14	0.56 J	<1.0	<1.0
MW-14	11/17/1998	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/19/2001	SSPL VOCs	0.3J	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	0.5J	<0.5	<0.5	<0.5
	03/18/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/23/2017	SSPL VOCs	15	<1.0	<1.0	<1.0
	09/26/2019	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2021	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
MW-15	02/04/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	03/11/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/26/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	12/03/2001	SSPL VOCs	0.2J	<0.5	0.03J	<0.5
	01/28/2002	SSPL VOCs	<0.5	0.03J	<0.5	<0.5
	04/02/2002	SSPL VOCs	0.2	0.05J	0.08J	NA
	09/12/2002	SSPL VOCs	0.2J	<0.5	<0.5	<0.5
	03/25/2003	SSPL VOCs	0.1J	<0.5	<0.5	<0.5
	09/17/2003	SSPL VOCs	0.023J	0.086J	0.051J	<0.5
	04/08/2004	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/24/2004	SSPL VOCs	0.18J	<0.5	<0.5	<0.5
	09/28/2005	SSPL VOCs	<1	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/21/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/04/2007	SSPL VOCs	<5.0	<5.0	<5.0	<5.0

See notes on last page

Table 5 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MW-16	11/12/1998	SSPL VOCs	570	11J	16J	NA
	02/01/1999	SSPL VOCs	470	15J	12J	NA
	09/19/2001	SSPL VOCs	2	<0.5	<0.5	<0.5
	12/03/2001	SSPL VOCs	92	2J	4	<3
	01/28/2002	SSPL VOCs	8	0.3J	0.3J	<0.5
	04/02/2002	SSPL VOCs	180	5J	6J	<6
	09/11/2002	SSPL VOCs	160	7J	6	<0.5
	3/252003	SSPL VOCs	45	1J	1J	<0.5
	09/17/2003	SSPL VOCs	160	4.5J	5.4J	<6.3
	04/07/2004	SSPL VOCs	530	8.7J	11J	<13
	09/24/2004	SSPL VOCs	220	5.1	5.3	<8.3
	09/28/2005	SSPL VOCs	53	1.4	2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	380D	<10	<10	<10
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	23	<5.0	<5.0	<5.0
	04/03/2007	SSPL VOCs	420D	13	10	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	240	5.4J	5.1J	<10.0
	11/27/2007	Phase III ISCO Field Test				
	03/26/2008	SSPL VOCs	300	9.1 J	8.4J	< 13.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	NS	NS	NS	NS
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	NS	NS	NS	NS
	09/24/2009	SSPL VOCs	260	6.2J	4.6J	<10
	03/17/2010	SSPL VOCs	260	5.8 J	4.0 J	<10
	12/21/2011	SSPL VOCs	280	6.5 J	4.5 J	< 10
	02/15/2012	SSPL VOCs	250	5.3 J	4.7 J	< 10
	04/19/2012	SSPL VOCs	200	4.3 DJ	3.8 DJ	<10
	06/21/2012	SSPL VOCs	210	4.4 J	2.8 J	<10
	09/20/2012	SSPL VOCs	200	4.5 J	2.7 J	<5.0
	12/18/2012	SSPL VOCs	180	4.3 J	2.9 J	< 5.0
	03/13/2013	SSPL VOCs	200 D	4.2 DJ	2.9 DJ	<13
	09/04/2013	SSPL VOCs	160	3.3 J	2.0 J	<5.0
	03/18/2014	SSPL VOCs	150	3.6 J	1.9 J	<5.0
	09/18/2014	SSPL VOCs	140	2.4 J	1.3 J	<5.0
	03/16/2015	SSPL VOCs	100	2.1 J	1.1 J	<5.0
	09/22/2015	SSPL VOCs	43	0.39 J	<5.0	<5.0
	03/15/2016	SSPL VOCs	46	0.69	0.34 J	<5.0
	09/14/2016	SSPL VOCs	6.5	<1.0	<1.0	<1.0
	03/23/2017	SSPL VOCs	32	<1.0	<1.0	<1.0
	09/13/2017	SSPL VOCs	60	0.28 J	<1.0	<1.0
	03/21/2018	SSPL VOCs	220 D	3.5	2.8	<1.0
	09/20/2018	SSPL VOCs	<1.0	3.6	24	<1.0
	03/19/2019	SSPL VOCs	0.66 J	<2.0	<2.0	<2.0
	09/25/2019	SSPL VOCs	80	<1.0	<1.0	<1.0
	09/16/2020	SSPL VOCs	4	<1.0	<1.0	<1.0
	09/16/2021	SSPL VOCs	11	<1.0	<1.0	<1.0
MW-17	11/11/1998	SSPL VOCs	4.7J	<5.0	<5.0	ND
	02/04/1999	SSPL VOCs	3 J	<5.0	<5.0	ND
	09/25/2001	SSPL VOCs	3	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	3B	0.2J	0.08J	<0.5
	03/18/2010	SSPL VOCs	1.9	<5.0	<5.0	<5.0
	12/27/2012	SSPL VOCs	1.5 J	<5.0	<5.0	<5.0
	09/24/2013	SSPL VOCs	1.8 J	0.24 J	<5.0	<5.0
	11/18/2014	SSPL VOCs	1.8 J	0.28 J	<5.0	<5.0
	09/15/2016	SSPL VOCs	3.7	<1.0	<1.0	<1.0
	03/19/2018	SSPL VOCs	2.2	<1.0	<1.0	<1.0
	03/19/2019	SSPL VOCs	0.79 J	<1.0	0.23 J	<1.0
	09/25/2019	SSPL VOCs	0.73 J	0.22 J	<1.0	<1.0
	09/16/2020	SSPL VOCs	0.62 J	<1.0	<1.0	<1.0
	09/16/2021	SSPL VOCs	0.76 J	<1.0	<1.0	<1.0
MW-18	11/18/1998	SSPL VOCs	<5.0	<5.0	<5.0	ND
	02/03/1999	SSPL VOCs	2.7J	0.81 J	<5.0	ND
	03/10/1999	SSPL VOCs	2 J	<5.0	<5.0	ND
	DRY	------				
	3/15/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/29/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	9/24/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	9/19/2014	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	9/18/2018	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
MW-19	11/11/1998	SSPL VOCs	68	8.8	9	NA
	02/05/1999	SSPL VOCs	160	18	17	NA
	03/10/1999	SSPL VOCs	160	17	16	NA
	09/24/2001	SSPL VOCs	88	20	<4.2	<4.2
	09/13/2002	SSPL VOCs	11	4.0	4.0	<0.5
	03/12/2010	SSPL VOCs	29	8.7	15.8	<5.0
	09/20/2015	SSPL VOCs	23	7.1	15.41 J	0.58 J
	09/14/2016	SSPL VOCs	44	9.3	14	<1.0
	09/12/2017	SSPL VOCs	23	5.9	11.49	0.60 J
	09/25/2019	SSPL VOCs	11	3.9	6.22 J	<1.0
	09/16/2020	SSPL VOCs	10	3.8	5.4	0.24 J
	09/15/2021	SSPL VOCs	6.2	1.9	2.6	<1.0
MW-20	11/10/1998	SSPL VOCs	9.3	<5.0	<5.0	ND
	02/04/1999	SSPL VOCs	12	<5.0	<5.0	ND
	03/15/1999	SSPL VOCs	63	1.3 J	<5.0	ND
	09/26/2001	SSPL VOCs	8	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	4	0.1 J	<0.5	<0.5
MW-21	02/01/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	03/12/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/26/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	0.9J	<0.5	<0.5	<0.5
	03/12/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
MW-22	11/13/1998	SSPL VOCs	<5.0	<5.0	<5.0	ND
	02/04/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/19/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	0.3J	<0.5	<0.3	<0.5
	03/12/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/28/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/24/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/19/2018	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	03/18/2019	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/24/2019	SSPL VOCs	0.27 J	<1.0	<1.0	<1.0
	09/17/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/16/2021	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
MW-23	11/18/1998	TAL/TCL	48	<50	<42	NA
	02/05/1999	SSPL VOCs	21	<5.0	<5.0	ND
	03/19/1999	SSPL VOCs	13	<5.0	<5.0	ND
	09/19/2001	SSPL VOCs	0.3J	2.0	5.0	<0.5
	09/13/2002	SSPL VOCs	2.0	2.0	0.3J	<0.5
	03/17/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0

See notes on last page

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MW-24	11/13/1998	SSPL VOCs	2,100	8.8J	<5.0	NA
	02/03/1999	SSPL VOCs	2,700	<100	24J	NA
	09/19/2001	SSPL VOCs	2,500	26J	46J	<84
	12/03/2001	SSPL VOCs	1,600	12J	35J	<42
	01/28/2002	SSPL VOCs	1,500	12J	31J	<42
	04/02/2002	SSPL VOCs	1,600	40J	610	<63
	09/10/2002	SSPL VOCs	660	330	1,200	<36
	03/25/2003	SSPL VOCs	42	23	1,100	42
	09/17/2003	SSPL VOCs	2.5J	0.5J	180	19
	04/07/2004	SSPL VOCs	2.4J	2J	87	22
	09/24/2004	SSPL VOCs	4	2.2	57	37
	09/28/2005	SSPL VOCs	2.1	1.2	23.8	14
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	<50	<50	<50	<50
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	310	17	69	1.8J
	04/03/2007	SSPL VOCs	470D	30	78	6.8J
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	58	<5.0	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/26/2008	SSPL VOCs	100	7.6	19.62J	0.99 J
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	NS	NS	NS	NS
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	NS	NS	NS	NS
	09/23/2009	SSPL VOCs	240	11	23	<10
	03/19/2010	SSPL VOCs	150	5.0 J	4.2 J	<5.0
	12/21/2012	SSPL VOCs	22	< 5.0	< 5.0	< 5.0
	09/22/2015	SSPL VOCs	2.8 J	<5.0	<5.0	<5.0
	09/13/2016	SSPL VOCs	9.8	<1.0	<1.0	<1.0
	09/12/2017	SSPL VOCs	0.30	<1.0	<1.0	<1.0
	09/19/2018	SSPL VOCs	2.5 J	<5.0	<5.0	<5.0
	09/25/2019	SSPL VOCs	0.57 J	<1.0	<1.0	<1.0
	09/17/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/16/2021	SSPL VOCs	<10	<10	<10	<10
MW-25/MW-25R	03/19/1999	SSPL VOCs	1,200	6.7 J	20 J	ND
	04/23/1999	SSPL VOCs	1,100	<50	<33	ND
	09/25/2001	SSPL VOCs	630	<25	<25	<25
	12/05/2001	SSPL VOCs	960	6 J	5 J	<25
	01/30/2002	SSPL VOCs	250	250	10	<6
	04/04/2002	SSPL VOCs	670	13 J	4 J	<25
	09/16/2002	SSPL VOCs	610	6 J	6 J	<25
	03/27/2003	SSPL VOCs	620	7 J	11 J	<14
	09/17/2003	SSPL VOCs	990	13 J	24	<21
	04/07/2004	SSPL VOCs	760	9.7 J	24 J	<31
	09/24/2004	SSPL VOCs	1,110	14	24	<36
	09/28/2005	SSPL VOCs	770	10	21	<2
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	250D	5.8J	12	<10
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	630D	9.2J	16	<13
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	470	8.4J	14	<13
	04/03/2007	SSPL VOCs	160	140	130	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	390D	6.0J	8.7J	<25.0
	11/27/2007	Phase III ISCO Field Test				
	03/27/2008	SSPL VOCs	390D	7.3	9.2	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	09/30/2008	SSPL VOCs	400D	7.8	10	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/17/2009	SSPL VOCs	170D	<5.0	4.0 J	<5.0
	09/22/2009	SSPL VOCs	530	8.2 J	8.5 J	<25
	03/17/2010	SSPL VOCs	450	6.5 J	8.2 J	<13
	12/20/2011	SSPL VOCs	43	44	63.9 J	0.82 J
	03/15/2012	SSPL VOCs	360 D	6.5 DJ	4.8 DJ	<25
	06/20/2012	SSPL VOCs	350	6.5 J	4.4 J	<13
	09/21/2012	SSPL VOCs	400	6.0 J	4.5 J	<13
	12/19/2012	SSPL VOCs	360	6.3 J	5.1 J	< 13
	03/15/2013	SSPL VOCs	370	5.9 J	4.6 J	<13
	09/04/2013	SSPL VOCs	350	5.4 J	3.3 J	<13
	03/20/2014	SSPL VOCs	300	5.3 J	2.5 J	<13
	09/19/2014	SSPL VOCs	240	3.0 J	1.4 J	<13
	03/17/2015	SSPL VOCs	290	4.4 J	1.8 J	<10
	09/21/2015	SSPL VOCs	180	1.9 J	0.90 J	<10
	03/16/2016	SSPL VOCs	190	2.0	1.3	<5.0
	09/14/2016	SSPL VOCs	140	1.5	0.83 J	<1.0
	03/23/2017	SSPL VOCs	99	2.2	1.5	<1.0
	09/13/2017	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/21/2018	SSPL VOCs	36	0.49 J	0.36 J	<1.0
	09/19/2018	SSPL VOCs	110	2.0 J	<5.0	<5.0
	03/19/2019	SSPL VOCs	9.3	0.21 J	<1.0	<1.0
	09/26/2019	SSPL VOCs	150	3.6 J	3.2 J	<5.0
	09/17/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2021	SSPL VOCs	72	2.6	2.1	<1.0
MW-26	02/05/1999	SSPL VOCs	200	6J	<50	NA
	03/10/1999	SSPL VOCs	150	4.1J	8.9	NA
	09/24/2001	SSPL VOCs	94	5.0	5.0	<5.0
	09/13/2002	SSPL VOCs	11	1.0	0.9	<0.5
	03/06/2006	SSPL VOCs	1.6J	<5.0	<5.0	<5.0
	03/12/2010	SSPL VOCs	65	4.5 J	5.3	<5.0
	12/29/2012	SSPL VOCs	49	4.8 J	5.9	<5.0
	09/19/2014	SSPL VOCs	38	3.5 J	4.0 J	<5.0
	09/20/2015	SSPL VOCs	50	4.3 J	6.7	<5.0
	09/14/2016	SSPL VOCs	34	3.3	4.8	<1.0
	09/12/2017	SSPL VOCs	29	3.4	4.93	<1.0
	09/26/2019	SSPL VOCs	15	2.3	2.7	<1.0
	09/16/2020	SSPL VOCs	11	1.5	1.9	<1.0
	09/16/2021	SSPL VOCs	8.0	1.8	2.5	<1.0
MW-27	02/03/1999	SSPL VOCs	73	2.5J	5.3	NA
	03/11/1999	SSPL VOCs	100	2.6J	<5.0	NA
	09/26/2001	SSPL VOCs	56	5.0	6.0	<2.5
	09/13/2002	SSPL VOCs	29	11	10	<1.0
	03/15/2010	SSPL VOCs	72	3.4 J	1.2 J	<5.0
	09/20/2015	SSPL VOCs	20	7.7	15	<5.0
	09/14/2016	SSPL VOCs	34	5.7	14	<1.0
	09/12/2017	SSPL VOCs	1.3	0.51 J	11	<1.0
	03/19/2018	SSPL VOCs	2.8	0.53 J	1.5	<1.0
	03/18/2019	SSPL VOCs	0.55 J	0.57 J	11	<1.0
	09/26/2019	SSPL VOCs	0.54 J	0.54 J	20	<1.0
	09/17/2020	SSPL VOCs	0.75 J	1.1	22	<1.0
	09/15/2021	SSPL VOCs	0.65 J	1.5	16	<1.0

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Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MW-28	02/03/1999	SSPL VOCs	1,200	10J	<5.0	NA
	03/17/1999	SSPL VOCs	<5.0	10J	14J	NA
	09/25/2001	SSPL VOCs	70	1J	3J	<3.6
	12/05/2001	SSPL VOCs	440	5J	10J	<17
	01/30/2002	SSPL VOCs	550	9J	8J	<18
	04/04/2002	SSPL VOCs	930	12J	17J	<31
	09/16/2002	SSPL VOCs	44	39	85	<3.0
	03/27/2003	SSPL VOCs	140	170	290	<13
	09/17/2003	SSPL VOCs	100	58	89	<3.1
	04/07/2004	SSPL VOCs	110	54	72	<3.6
	09/24/2004	SSPL VOCs	240	2.6	4.6	<8.3
	09/29/2005	SSPL VOCs	6.8	7.4	30	<2.0
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	160	62	120	<5.0
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	200D	56	68	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	48	22	39	0.44J
	04/03/2007	SSPL VOCs	480D	7.6J	11	<10
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	410	78	71.5J	<13
	11/27/2007	Phase III ISCO Field Test				
	03/27/2008	SSPL VOCs	180	98	97.1J	< 5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	09/30/2008	SSPL VOCs	160	57	68.2J	< 5.0
	10/03/2008	Phase III ISCO Field Test				
	03/17/2009	SSPL VOCs	280	130	85.8J	<10
	09/25/2009	SSPL VOCs	18	20	37.9J	< 5.0
	03/15/2010	SSPL VOCs	270	110	66	<13
	12/20/2011	SSPL VOCs	340	5.5 J	4.3	<13
	03/15/2012	SSPL VOCs	52	49	58.5 J	0.55 J
	06/20/2012	SSPL VOCs	47	48	57.4 J	0.58 J
	09/21/2012	SSPL VOCs	180	77	57.2 J	0.32 J
	12/19/2012	SSPL VOCs	190	64	41.8 J	< 5.0
	03/15/2013	SSPL VOCs	170	60	49.4 J	0.41 J
	09/04/2013	SSPL VOCs	110	53	53.3 J	0.42 J
	03/20/2014	SSPL VOCs	43	50	57.4 J	<5.0
	09/19/2014	SSPL VOCs	36	27	26.65 J	<5.0
	03/17/2015	SSPL VOCs	41	12	12.56 J	<5.0
	09/21/2015	SSPL VOCs	3.8 J	3.1 J	2.2 J	<5.0
	03/16/2016	SSPL VOCs	11	2.1	2.4	<5.0
	09/13/2016	SSPL VOCs	7.5	0.31 J	<1.0	<1.0
	03/23/2017	SSPL VOCs	0.41 J	<1.0	<1.0	<1.0
	09/12/2017	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/21/2018	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/19/2018	SSPL VOCs	1.8 J	<5.0	<5.0	<5.0
	03/19/2019	SSPL VOCs	<5.0	<5.0	<5.0	<5 .0
	09/25/2019	SSPL VOCs	9.7	7.0	8.0	<5.0
	09/16/2020	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/15/2021	SSPL VOCs	<5.0	1.5 J	4.1 J	<5.0
MW-29	02/03/1999	SSPL VOCs	<5.0	<5.0	15J	ND
	03/12/1999	SSPL VOCs	<5.0	<5.0	< 5	ND
	09/19/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/13/2002	SSPL VOCs	0.1J	<0.5	<0.5	<0.5
	03/19/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/27/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/25/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
MW-30	03/19/1999	SSPL VOCs	<5.0	0.8 J	<5.0	ND
	04/23/1999	SSPL VOCs	<5.0	0.97 J	<5.0	ND
	09/26/2001	SSPL VOCs	<0.5	1	0.6	<0.5
	12/05/2001	SSPL VOCs	2	0.4J	0.4J	<0.5
	01/29/2002	SSPL VOCs	0.07J	0.7	0.5	<0.5
	04/04/2002	SSPL VOCs	0.06J	0.6	0.5	<0.5
	09/17/2002	SSPL VOCs	0.1J	0.6	0.5	<0.5
	03/26/2003	SSPL VOCs	0.3J	0.5J	0.4J	<0.5
	09/18/2003	SSPL VOCs	1.7	0.55J	0.49J	<0.5
	04/08/2004	SSPL VOCs	<0.5	0.36J	0.34J	<0.5
	09/24/2004	SSPL VOCs	<0.5	0.51	0.64	<0.5
	09/29/2005	SSPL VOCs	<1	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	SSPL VOCs	<5.0	0.58J	0.54J	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/21/2006	SSPL VOCs	<5.0	0.43J	0.60J	<5.0
	04/04/2007	SSPL VOCs	1.6J	0.78J	0.58J	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	8.5	0.71 J	0.64 J	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/26/2008	SSPL VOCs	12	1.0J	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	09/30/2008	SSPL VOCs	14	0.65J	<5.0	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/17/2009	SSPL VOCs	24	0.89J	<5.0	<5.0
	09/23/2009	SSPL VOCs	18	0.73J	<5.0	<5.0
	03/17/2010	SSPL VOCs	7.5	<5.0	<5.0	<5.0
	12/21/2011	SSPL VOCs	<5.0	0.37 J	0.32 J	<5.0
	03/15/2012	SSPL VOCs	<5.0	< 5.0	<5.0	<5.0
	06/20/2012	SSPL VOCs	<5.0	0.35 J	0.30 J	<5.0
	09/20/2012	SSPL VOCs	<5.0	0.28 J	<5.0	<5.0
	12/20/2012	SSPL VOCs	<5.0	0.28 J	<5.0	<5.0
	09/24/2013	SSPL VOCs	<5.0	< 5.0	<5.0	<5.0
	09/19/2014	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/20/2015	SSPL VOCs	<5.0	0.59 J	0.51 J	<5.0
	09/12/2016	SSPL VOCs	<1.0	0.57 J	0.93 J	<1.0
	09/12/2017	SSPL VOCs	<1.0	0.51 J	0.59 J	<1.0

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Table 5 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MW-31	03/18/1999	SSPL VOCs	1.3J	1.9 J	<5.0	ND
	04/22/1999	SSPL VOCs	<5.0	1.4 J	<5.0	ND
	09/26/2001	SSPL VOCs	1	3	1	<0.5
	12/05/2001	SSPL VOCs	0.7	1	0.8	<0.5
	01/31/2002	SSPL VOCs	1	2	1	0.07J
	04/04/2002	SSPL VOCs	1	2	1	<0.5
	09/16/2002	SSPL VOCs	0.7	2	2	<0.5
	03/27/2003	SSPL VOCs	0.9	1.0	2.0	<0.5
	09/18/2003	SSPL VOCs	0.26J	1.5	2..3	<0.5
	04/08/2004	SSPL VOCs	<0.5	0.56	1.3	<0.5
	09/24/2004	SSPL VOCs	<0.5	0.81	1.3	<0.5
	09/29/2005	SSPL VOCs	<1.0	<1.0	<2.0	<2.0
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	<5.0	0.61 J	1.7 J	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	<5.0	0.56 J	1.4 J	<5.0
	04/04/2007	SSPL VOCs	<5.0	0.33 J	0.42 J	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	<5.0	0.33 J	1.20 J	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/27/2008	SSPL VOCs	0.75 J	0.67 J	1.1 J	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	<5.0	<5.0	0.97 J	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/18/2009	SSPL VOCs	<5.0	<5.0	1.1 J	<5.0
	09/22/2009	SSPL VOCs	<5.0	<5.0	0.98 J	<5.0
	03/16/2010	SSPL VOCs	<5.0	<5.0	0.73 J	<5.0
	12/28/2012	SSPL VOCs	<5.0	0.47 J	0.85 J	<5.0
	09/24/2013	SSPL VOCs	<5.0	0.33 J	0.42 J	<5.0
	11/18/2014	SSPL VOCs	<5.0 (<5.0)	0.38 J (0.39 J)	0.38 J (0.37 J)	<5.0 (<5.0)
	12/22/2015	SSPL VOCs	<1.0	0.80 J	0.49 J	<1.0
	09/12/2016	SSPL VOCs	<1.0	0.44 J	<1.0	<1.0
	09/11/2017	SSPL VOCs	<1.0	0.61 J	0.44 J	<1.0
	09/18/2018	SSPL VOCs	<1.0	0.35 J	0.48 J	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	0.74 J	<1.0
	09/16/2021	SSPL VOCs	<1.0	<1.0	0.47 J	<1.0
MW-32	03/19/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	04/22/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/25/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	12/05/2001	SSPL VOCs	0.5J	<0.5	0.07J	<0.5
	01/29/2002	SSPL VOCs	<0.5	<0.5	0.2J	<0.5
	04/03/2002	SSPL VOCs	0.4J	0.07J	0.1J	<0.5
	09/13/2002	SSPL VOCs	0.2J	0.03J	<0.5	<0.5
	03/27/2003	SSPL VOCs	0.4J	0.2J	<0.5	<0.5
	09/17/2003	SSPL VOCs	0.33J	0.031J	0.15J	<0.5
	04/07/2004	SSPL VOCs	0.39J	<0.5	<0.5	<0.5
	09/24/2004	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/29/2005	SSPL VOCs	<1.0	<1.0	<2.0	<2.0
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/03/2007	SSPL VOCs	<5.0	<5.0	0.32J	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	0.43 J	<5.0	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/26/2008	SSPL VOCs	1.2 J	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	<10	<10	<10	<10
	10/03/2008	Phase III ISCO Field Test				
	03/18/2009	SSPL VOCs	<5.0	<5.0	0.53 J	<5.0
	09/22/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/12/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/28/2012	SSPL VOCs	<5.0	<5.0	0.38 J	<5.0
	09/20/2015	SSPL VOCs	<5.0	<5.0	0.57 J	<5.0
	09/12/2016	SSPL VOCs	<1.0	0.38 J	0.89 J	<1.0
	09/11/2017	SSPL VOCs	<1.0	0.30 J	0.84 J	<1.0
	09/19/2018	SSPL VOCs	<1.0	0.44 J	0.61 J	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/14/2021	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
MW-33	03/18/1999	SSPL VOCs	37	1.1 J	< 5	ND
	04/22/1999	SSPL VOCs	27	0.74 J	< 5	ND
	09/26/2001	SSPL VOCs	13	0.6	0.8	<0.5
	09/13/2002	SSPL VOCs	6	0.8	0.2 J	<0.05
	03/15/2010	SSPL VOCs	0.91 J	<5.0	<5.0	<5.0
	09/24/2013	SSPL VOCs	1.8 J	<5.0	<5.0	<5.0
	09/20/2014	SSPL VOCs	2.3 J	0.56 J	<5.0	<5.0
MW-34	04/21/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/25/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	12/05/2001	SSPL VOCs	0.05J	<0.5	<0.5	<0.5
	01/30/2002	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	04/04/2002	SSPL VOCs	0.2J	<0.5	<0.5	<0.5
	09/16/2002	SSPL VOCs	0.2J	0.05J	<0.5	<0.5
	03/27/2003	SSPL VOCs	0.2J	<0.5	<0.5	<0.5
	09/17/2003	SSPL VOCs	0.68	0.086J	0.076J	<0.5
	04/07/2004	SSPL VOCs	0.31J	<0.5	<0.5	<0.5
	09/24/2004	SSPL VOCs	0.39J	<0.5	<0.5	<0.5
	09/29/2005	SSPL VOCs	<1	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/03/2007	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/27/2008	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	09/30/2008	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/17/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/22/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/15/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0

See notes on last page

Table 5 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MW-35	04/21/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	09/25/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	12/05/2001	SSPL VOCs	0.04J	<0.5	0.04J	<0.5
	01/29/2002	SSPL VOCs	<0.5	<0.5	0.09J	<0.5
	04/03/2002	SSPL VOCs	<0.5	<0.5	0.1J	<0.5
	09/16/2002	SSPL VOCs	0.08J	<0.5	<0.5	<0.5
	03/27/2003	SSPL VOCs	0.2J	<0.5	<0.5	<0.5
	09/17/2003	SSPL VOCs	0.17J	<0.5	0.12J	<0.5
	04/07/2004	SSPL VOCs	0.18J	<0.5	1.1	<0.5
	09/24/2004	SSPL VOCs	0.37J	<0.5	<0.5	<0.5
	09/29/2005	SSPL VOCs	<1	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	<2.4	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/03/2007	SSPL VOCs	0.72J	<5.0	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/26/2008	SSPL VOCs	1.5J	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/18/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/22/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/12/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/12/2017	SSPL VOCs	<1.0	<1.0	0.43 J	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	0.65 J	<1.0
	09/14/2021	SSPL VOCs	<1.0	<1.0	0.42 J	<1.0
MW-36	04/21/1999	SSPL VOCs	<5.0	<5.0	0.97 J	ND
	09/26/2001	SSPL VOCs	<0.5	<0.5	0.5	<0.5
	09/13/2002	SSPL VOCs	0.07J	<0.5	0.3J	<0.5
	03/16/2010	SSPL VOCs	<13	<13	<13	<13
MW-37	09/28/2001	SSPL VOCs	24	0.7	<0.5	<0.5
	12/05/2001	SSPL VOCs	43	0.9J	0.2J	<2
	01/29/2002	SSPL VOCs	30	1	<0.8	<0.8
	04/03/2002	SSPL VOCs	44	1J	<1	<1
	09/17/2002	SSPL VOCs	16	0.8	0.07J	<0.05
	03/25/2003	SSPL VOCs	40	1	<0.5	<0.5
	09/18/2003	SSPL VOCs	18	0.98	0.026J	<0.5
	04/08/2004	SSPL VOCs	41	1.6	<0.5	<0.5
	09/24/2004	SSPL VOCs	18	0.85	<0.5	<0.5
	09/29/2005	SSPL VOCs	11	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	SSPL VOCs	15	0.87J	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/21/2006	SSPL VOCs	14	0.92J	<5.0	<5.0
	04/04/2007	SSPL VOCs	36	1.2J	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	19	1.2J	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/26/2008	SSPL VOCs	0.34J	0.34J	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	09/30/2008	SSPL VOCs	0.99J	0.75J	0.85J	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/17/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/23/2009	SSPL VOCs	4.1J	<5.0	<5.0	<5.0
	03/16/2010	SSPL VOCs	<13	<13	<13	<13
	09/24/2013	SSPL VOCs	18	0.78 J	<5.0	<5.0
	09/19/2014	SSPL VOCs	8.0	0.38 J	<5.0	<5.0
	09/20/2015	SSPL VOCs	17	0.52 J	<5.0	<5.0
	09/12/2016	SSPL VOCs	27	1.3	<1.0	<1.0
	09/12/2017	SSPL VOCs	1.1	<1.0	<1.0	<1.0
MW-38	09/28/2001	SSPL VOCs	140	10	10	<6.3
	12/04/2001	SSPL VOCs	330	21	23	<10
	01/29/2002	SSPL VOCs	400	28	19	<8
	04/03/2002	SSPL VOCs	320	21	18	<8
	09/11/2002	SSPL VOCs	350	40	20	<13
	03/26/2003	SSPL VOCs	290	24	15	<13
	09/17/2003	SSPL VOCs	300	23	16	<9.6
	04/07/2004	SSPL VOCs	310	27	16	<13
	09/24/2004	SSPL VOCs	300	20	13	<10
	09/29/2005	SSPL VOCs	330	26	17	<2.0
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	6.3	<5.0	<5.0	<5.0
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	290	21	9.5J	<10
	04/03/2007	SSPL VOCs	240	19	10J	<10
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	250	20	10	<10
	11/27/2007	Phase III ISCO Field Test				
	03/25/2008	SSPL VOCs	180	15	7.8	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	270D	19	8.6	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	6.1	0.69J	<5.0	<5.0
	09/23/2009	SSPL VOCs	250D	20	6.7	<5.0
	03/17/2010	SSPL VOCs	190	13	4.4 J	<5.0
	09/21/2015	SSPL VOCs	89	5.2	1.3 J	<5.0
	09/14/2016	SSPL VOCs	110	7.0	1.2	<1.0
	09/12/2017	SSPL VOCs	98	6.4	1.3	<1.0
	09/19/2018	SSPL VOCs	71	5.2	0.99 J	<1.0
	09/26/2019	SSPL VOCs	65	4.6	2.1	<1.0
	09/16/2020	SSPL VOCs	76	5.9	3.7	0.25 J
	09/16/2021	SSPL VOCs	74	6.2	3.2	<1.0
MW-39	09/24/2019	SSPL VOCs	0.75 J	3.5	<1.0	<1.0
	09/15/2020	SSPL VOCs	0.44 J	2.0	<1.0	<1.0
MP-1	03/18/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
MP-2	01/28/2002	SSPL VOCs	350	10 J	22	<16
	04/02/2002	SSPL VOCs	290	4 J	9	<8.0
	03/25/2003	SSPL VOCs	16	0.3 J	0.6	<0.5
	04/08/2004	SSPL VOCs	21	0.49 J	0.75 J	<0.8
	09/24/2004	SSPL VOCs	30	0.71	0.62	<1.0
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	Phase II ISCO Field Test				
	04/03/2007	SSPL VOCs	3.5 J	<5.0	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	11/27/2007	Phase III ISCO Field Test				
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/03/2008	Phase III ISCO Field Test				
	03/18/2010	SSPL VOCs	10	<5.0	<5.0	<5.0
	12/21/2012	SSPL VOCs	2.5 J	< 5.0	< 5.0	< 5.0

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Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MP-3D	09/28/2001	SSPL VOCs	1	<0.5	<0.5	<0.5
	12/03/2001	SSPL VOCs	0.1 J	0.03 J	0.06 J	<0.5
	01/28/2002	SSPL VOCs	0.2 J	<0.5	<0.5	<0.5
	04/02/2002	SSPL VOCs	0.03 J	<0.5	<0.5	<0.5
	09/10/2002	SSPL VOCs	<0.5	<0.5	0.02 J	<0.5
	03/25/2003	SSPL VOCs	0.2 J	0.06 J	0.4 J	<0.5
	09/17/2003	SSPL VOCs	1.1	0.062 J	0.2 J	<0.5
	04/08/2004	SSPL VOCs	0.44 J	<0.5	0.94	1.5
	09/24/2004	SSPL VOCs	2.6	<0.5	0.96	<0.5
	09/28/2005	SSPL VOCs	<1	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/03/2006	SSPL VOCs	3.1 J	<5.0	<5.0	0.58 J
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	0.41 J	<5.0	<5.0	0.86 J
	04/30/2007	SSPL VOCs	0.46 J	<5.0	0.45 J	2.0 J
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	0.4 J	<5.0	<5.0	1.2 J
	11/27/2007	Phase III ISCO Field Test				
	03/26/2008	SSPL VOCs	<5.0	<5.0	<5.0	0.98 J
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/02/2008	SSPL VOCs	<50	<50	<50	<50
	10/03/2008	Phase III ISCO Field Test				
	03/18/2009	SSPL VOCs	<5.0	<5.0	<5.0	0.81J
	09/24/2009	SSPL VOCs	<5.1	<5.0	<5.0	0.72J
	03/18/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/23/2013	SSPL VOCs	<5.0	<5.0	1.2 J	0.40 J
	09/18/2014	SSPL VOCs	<5.0	<5.0	0.85 J	<5.0
	03/19/2018	SSPL VOCs	<1.0	<1.0	0.32 J	<1.0
	03/18/2019	SSPL VOCs	<1.0	<1.0	0.63J	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/17/2021	SSPL VOCs	<1.0	<1.0	0.53 J	<1.0
MP-4	09/27/2001	SSPL VOCs	7,700	<250	<250	<250
	12/04/2001	SSPL VOCs	1,100	4J	3J	<25
	01/29/2002	SSPL VOCs	9,300	47J	<310	<310
	04/02/2002	SSPL VOCs	7,500	82J	13J	<250
	09/11/2002	SSPL VOCs	7,800	23J	<250	<250
	03/25/2003	SSPL VOCs	5,600	<160	<160	<160
	09/17/2003	SSPL VOCs	2,900	22J	10J	<130
	04/08/2004	SSPL VOCs	8,100	4.6J	1.3J	<250
	09/24/2004	SSPL VOCs	9,900	<250	<250	<250
	09/28/2005	SSPL VOCs	6,200	6.1	2.2	<2.0
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	13,000 D	<250	<250	<250
	03/08/2006	Phase II ISCO Field Test				
	04/03/2006	SSPL VOCs	11,000 D	<250	<250	<250
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	7,900	<250	<250	<250
	04/03/2007	SSPL VOCs	7,000	<250	<250	<250
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	17,000D	<500	<500	<500
	11/27/2007	Phase III ISCO Field Test				
	03/25/2008	SSPL VOCs	3,600	<130	<130	<130
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	9,100 D	<250	<250	<250
	10/03/2008	Phase III ISCO Field Test				
	03/18/2009	SSPL VOCs	9,100	<250	<250	<250
	09/22/2009	SSPL VOCs	17,000 D	<100	<100	<100
	03/16/2010	SSPL VOCs	9,700	<250	<250	<250
	02/19/2011	SSPL VOCs	11,000	32	<500	<500
	02/15/2012	SSPL VOCs	6,500	<250	<250	<250
	04/18/2012	SSPL VOCs	6,600	<250	<250	<250
	06/19/2012	SSPL VOCs	8,200	<250	<250	<250
	09/19/2012	SSPL VOCs	11,000 D	<500	<500	<500
	12/20/2012	SSPL VOCs	7,700	<250	<250	<250
	03/14/2013	SSPL VOCs	8,600	<250	<250	<250
	09/04/2013	SSPL VOCs	13,000 D	26 DJ	<500	<500
	03/19/2014	SSPL VOCs	11,000	<500	<500	<500
	09/17/2014	SSPL VOCs	12,000	<500	<500	<500
	03/17/2015	SSPL VOCs	10,000	<500	<500	<500
	09/22/2015	SSPL VOCs	970 (1,200)	<50 (<50)	<50 (<50)	<50 (<50)
	03/16/2016	SSPL VOCs	3,000 D	<50	<50	<50
	09/14/2016	SSPL VOCs	1,400 (1,300)	<10 (<10)	<10 (<10)	<10 (<10)
	03/23/2017	SSPL VOCs	2,500 D (2,800 D)	<10 (<10)	<10 (<10)	<10 (<10)
	09/13/2017	SSPL VOCs	820	<5.0	<5.0	<5.0
	03/22/2018	SSPL VOCs	1,300 (1,300)	<10 (<10)	<10 (<10)	<10 (<10)
	09/19/2018	SSPL VOCs	2,400	<10	<10	<10
	03/18/2019	SSPL VOCs	1.0 J	<2.5	<2.5	<2.5
	09/25/2019	SSPL VOCs	2,400 D	0.29 J	<1.0	<1.0
MP-5	09/27/2001	SSPL VOCs	1,500	<50	<50	<50
	12/04/2001	SSPL VOCs	410	0.8J	1J	<13
	01/29/2002	SSPL VOCs	1,100	4J	11J	<42
	04/02/2002	SSPL VOCs	1,300	100	130	<42
	09/11/2002	SSPL VOCs	1,300	150	150	<36
	03/25/2003	SSPL VOCs	1,200	33	110	<36
	09/17/2003	SSPL VOCs	1,100	33	87	<42
	04/08/2004	SSPL VOCs	1,700	28J	120	<63
	09/24/2004	SSPL VOCs	710	16	67	<31
	5/10 to 6/14/2005	Phase I ISCO Field Test				
	09/28/2005	SSPL VOCs	510	19	95	8.6
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	<10	<10	<10	<10
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	SSPL VOCs	130	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	830D	33	85	7.9
	04/03/2007	SSPL VOCs	710D	27	98	20
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	880	23.0J	102J	1.6J
	11/27/2007	Phase III ISCO Field Test				
	03/25/2008	SSPL VOCs	530	24 J	76	17 J
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	NS	NS	NS	NS
	10/03/2008	Phase III ISCO Field Test				
	03/18/2009	SSPL VOCs	720 D	13	53	17
	09/24/2009	SSPL VOCs	560	28	66	23J
	03/17/2010	SSPL VOCs	860	28	31	6.7 J
	12/19/2011	SSPL VOCs	1,100 D	42	38	13 J
	02/16/2012	SSPL VOCs	830 D	29 DJ	27 DJ	8.5 DJ
	04/18/2012	SSPL VOCs	730	32	33	11 J
	06/19/2012	SSPL VOCs	950	42	29	6.6 J
	09/20/2012	SSPL VOCs	750	31	23 J	3.9 J
	12/20/2012	SSPL VOCs	620	25	15 J	2.0 J
	03/14/2013	SSPL VOCs	920	28	19 J	3.0 J
	09/03/2013	SSPL VOCs	970	36	23 J	4.1 J
	03/19/2014	SSPL VOCs	940 (940)	33 J (33)	20 J (20 J)	4.7 J (5.1 J)
	09/17/2014	SSPL VOCs	890	32	14 J	1.7 J
	03/17/2015	SSPL VOCs	<25	<25	<25	<25
	09/21/2015	SSPL VOCs	11	<5.0	<5.0	<5.0
	03/15/2016	SSPL VOCs	280 D	0.58 J	<5.0	<5.0
	09/13/2016	SSPL VOCs	<2.5	<2.5	<2.5	<2.5
	03/23/2017	SSPL VOCs	29	<2.5	<2.5	<2.5
	09/13/2017	SSPL VOCs	7.8	<2.0	<2.0	<2.0
	03/21/2018	SSPL VOCs	1.6 J	<5.0	<5.0	<5.0
	09/18/2018	SSPL VOCs	86	<5.0	<5.0	<5.0
	03/18/2019	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/24/2019	SSPL VOCs	<10	<10	<10	<10

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Table 5 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MP-6S	09/24/2001	SSPL VOCs	120	<5.0	<5.0	<5.0
	12/04/2001	SSPL VOCs	37	<2	0.2J	<2
	01/29/2002	SSPL VOCs	890	50J	9J	<31
	04/03/2002	SSPL VOCs	2,100	39J	100	<84
	09/12/2002	SSPL VOCs	150	6	16	<4
	03/26/2003	SSPL VOCs	1,900	46	110	<63
	09/17/2003	SSPL VOCs	1,500	48	130	<63
	04/07/2004	SSPL VOCs	3,200	43J	110	<83
	09/24/2004	SSPL VOCs	2,400	34	63	<100
	5/10 to 6/14/2005	Phase I ISCO Field Test				
	09/28/2005	SSPL VOCs	2,700	26	34	<2
	02/01/2006	Phase II ISCO Field Test				
	03/06/2006	SSPL VOCs	1,200D	10J	11J	<25
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	SSPL VOCs	1,800	<50	<50	<50
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	2,100D	20J	15J	<50
	04/03/2007	SSPL VOCs	1,300	<50	<50	<50
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	2,300D	18J	15 J	<100
	11/27/2007	Phase III ISCO Field Test				
	03/25/2008	SSPL VOCs	NS	NS	NS	NS
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	2,200	11J	9.4 J	<100
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	NS	NS	NS	NS
	09/23/2009	SSPL VOCs	1,000	7.2 J	6.5 J	<50
	03/17/2010	SSPL VOCs	1,100	<50	<50	<50
	12/19/2011	SSPL VOCs	1500 (1000)	8.0 J (6.3 J)	5.4 J (4.7 J)	< 50 (<50)
	02/16/2012	SSPL VOCs	1,200	7.8 J	5.5 J	<50
	04/18/2012	SSPL VOCs	980	5.9 J	5.1 J	<50
	06/19/2012	SSPL VOCs	970	6.1 J	3.6 J	<50
	09/19/2012	SSPL VOCs	920	6.5 J	4.8 J	<25
	12/20/2012	SSPL VOCs	420	4.2 J	3.0 J	< 13
	03/14/2013	SSPL VOCs	750 D	4.5 DJ	3.2 DJ	<25
	09/03/2013	SSPL VOCs	590	2.2 J	<25	<25
	03/19/2014	SSPL VOCs	470	2.7 J	1.4 J	<13
	09/17/2014	SSPL VOCs	450	3.4 J	1.8 J	<13
	03/17/2015	SSPL VOCs	270	1.1 J	<13	<13
	09/21/2015	SSPL VOCs	290	1.5 J	1.4 J	<13
	03/16/2016	SSPL VOCs	290 D	1.0	0.81 J	<5.0
	09/13/2016	SSPL VOCs	260	1.8 J	2.3 J	<2.5
	03/23/2017	SSPL VOCs	200 (200)	0.66 J (0.73 J)	<2.0 (0.57 J)	<2.0 (<1.0)
	09/12/2017	SSPL VOCs	280 D	2.3	2.3	<1.0
	03/22/2018	SSPL VOCs	13	<2.5	<2.5	<2.5
	09/19/2018	SSPL VOCs	260	0.90 J	<2.5	< 2.5
	03/18/2019	SSPL VOCs	330 D (350 D)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
	09/16/2020	SSPL VOCs	360	2.1 J	4.6 J	<2.5
	09/16/2021	SSPL VOCs	590 D	2.7	1.7 J	<2.5
MP-6D	09/24/2001	SSPL VOCs	2	<0.5	<0.5	<0.5
	12/04/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	01/29/2002	SSPL VOCs	1	0.3J	<0.5	<0.5
	04/03/2002	SSPL VOCs	0.6	<0.5	<0.5	<0.5
	09/12/2002	SSPL VOCs	14	0.06J	<0.5	<0.5
	03/26/2003	SSPL VOCs	0.4J	<0.5	<0.5	<0.5
	09/18/2003	SSPL VOCs	0.81	<0.5	<0.5	<0.5
	04/07/2004	SSPL VOCs	1.3	<0.5	<0.5	<0.5
	09/24/2004	SSPL VOCs	1.1	<0.5	<0.5	<0.5
	5/10 to 6/14/2005	Phase I ISCO Field Test				
	09/28/2005	SSPL VOCs	<1	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/05/2006	SSPL VOCs	0.62J	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/20/2006	SSPL VOCs	0.38J	<5.0	<5.0	<5.0
	04/03/2007	SSPL VOCs	1.2J	<5.0	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	5.4	<5.0	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/25/2008	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	1.5J	<5.0	<5.0	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/19/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/23/2009	SSPL VOCs	140	<5.0	<5.0	<5.0
	03/17/2010	SSPL VOCs	<13	<13	<13	<13
	12/19/2011	SSPL VOCs	0.28 J	<5.0	<5.0	<5.0
	02/16/2012	SSPL VOCs	15	<5.0	<5.0	<5.0
	04/18/2012	SSPL VOCs	< 5.0	< 5.0	< 5.0	< 5.0
	06/19/2012	SSPL VOCs	< 5.0	< 5.0	< 5.0	< 5.0
	09/20/2012	SSPL VOCs	< 5.0	< 5.0	< 5.0	< 5.0
	12/21/2012	SSPL VOCs	< 5.0	< 5.0	< 5.0	< 5.0
	03/14/2013	SSPL VOCs	< 5.0	< 5.0	< 5.0	< 5.0
	09/05/2013	SSPL VOCs	1.3 J	< 5.0	< 5.0	< 5.0
	03/20/2014	SSPL VOCs	0.37 J	<5.0	<5.0	<5.0
	09/17/2014	SSPL VOCs	1.4 J	<5.0	<5.0	<5.0
	09/20/2015	SSPL VOCs	0.54 J	<5.0	<5.0	<5.0
	09/12/2016	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/12/2017	SSPL VOCs	0.33 J	<1.0	<1.0	<1.0
	09/18/2018	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/16/2021	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
MP-7	12/06/2001	SSPL VOCs	25	0.5J	2.0	<1.0
	01/31/2002	SSPL VOCs	0.3J	<0.5	<0.5	<0.5
	04/05/2002	SSPL VOCs	0.2 J	<0.5	<0.5	<0.5

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Table 5 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MP-8S	09/27/2001	SSPL VOCs	150	2.0 J	6.0	0.2J
	12/04/2001	SSPL VOCs	10	1.0	2.0	<0.5
	01/30/2002	SSPL VOCs	100	3.0 J	6.0 J	<3
	04/04/2002	SSPL VOCs	260	7.0 J	12	<8
	09/17/2002	SSPL VOCs	0.02J	<0.5	<0.5	<0.5
	03/26/2003	SSPL VOCs	110	8.0	5.0	<0.5
	09/18/2003	SSPL VOCs	17	6.7	8.4	<0.5
	04/09/2004	SSPL VOCs	72	36	16	<2.8
	09/22/2004	SSPL VOCs	76	22	7.8	<2.8
	09/29/2005	SSPL VOCs	1.6	8.8	16	<2.0
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	3.0J	12	17	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/21/2006	SSPL VOCs	1.2J	4.2J	6.8	<5.0
	04/04/2007	SSPL VOCs	2.9J	11	15	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	5.5	6.0	14.4 J	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/27/2008	SSPL VOCs	1.0 J	4.7 J	8.08 J	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	09/30/2008	SSPL VOCs	1.6 J	19	43.1J	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/17/2009	SSPL VOCs	1.1 J	15	27	0.83 J
	09/23/2009	SSPL VOCs	NS	NS	NS	NS
	03/15/2010	SSPL VOCs	13	36	75.6	1.5 J
	12/20/2011	SSPL VOCs	49	51	88.5	1.9 J
	03/16/2012	SSPL VOCs	31	34	69.6	1.5 J
	06/20/2012	SSPL VOCs	31	58	91.6	1.7 J
	09/21/2012	SSPL VOCs	64	63	102	1.7 J
	12/19/2012	SSPL VOCs	51	59	86.3	1.8 J
	03/15/2013	SSPL VOCs	68	61	94.9	1.9 J
	09/04/2013	SSPL VOCs	68	61	92.3	1.2 J
	09/19/2014	SSPL VOCs	65	59	87.3	0.84 J
	09/21/2015	SSPL VOCs	23	25	67.7 J	0.46 J
	09/13/2016	SSPL VOCs	25	30	55.1	0.36 J
	09/12/2017	SSPL VOCs	26	32	82.9	0.74 J
	09/19/2018	SSPL VOCs	19 (35)	15 (38)	24.7 (82)	<1.0 (0.71 J)
	09/16/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/16/2021	SSPL VOCs	16	28	74.7	0.62 J
MP-8D	09/27/2001	SSPL VOCs	2	<0.5	<0.5	<0.5
	12/04/2001	SSPL VOCs	26	0.6J	0.3J	<0.8
	01/30/2002	SSPL VOCs	0.3J	0.03J	<0.5	<0.5
	04/04/2002	SSPL VOCs	0.2J	0.04J	<0.5	<0.5
	09/17/2002	SSPL VOCs	1.0	<0.5	<0.5	<0.5
	03/26/2003	SSPL VOCs	0.7	<0.5	<0.5	<0.5
	09/18/2003	SSPL VOCs	3.2	0.067J	<0.5	<0.5
	04/09/2004	SSPL VOCs	1.6	<0.5	<0.5	<0.5
	09/22/2004	SSPL VOCs	0.8	<0.5	<0.5	<0.5
	09/29/2005	SSPL VOCs	1.5	<1.0	<2.0	<2.0
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/21/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/04/2007	SSPL VOCs	1.6 J	<5.0	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	12	0.3 J	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/27/2008	SSPL VOCs	1.9J	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	09/30/2008	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/17/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/24/2009	SSPL VOCs	8.1	8.6	19.7J	<5.0
	03/15/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/20/2011	SSPL VOCs	0.45 J	< 5.0	< 5.0	< 5.0
	03/16/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	06/20/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/21/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/19/2012	SSPL VOCs	0.89	<5.0	<5.0	<5.0
	09/23/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/19/2014	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/21/2015	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/13/2016	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/12/2017	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/18/2018	SSPL VOCs	0.68 J	<1.0	<1.0	<1.0
	09/15/2020	SSPL VOCs	1.9	<1.0	<1.0	<1.0
	09/17/2021	SSPL VOCs	0.85 J	0.24 J	<1.0	<1.0
MP-9	12/06/2001	SSPL VOCs	18	0.3J	2	<0.8
	01/31/2002	SSPL VOCs	5	0.2J	0.7	<0.5
	04/05/2002	SSPL VOCs	3	0.1J	0.7	<0.5
MP-10S	12/06/2001	SSPL VOCs	1	<0.5	0.05 J	<0.5
	01/30/2002	SSPL VOCs	1	0.03J	0.03 J	<0.5
	04/04/2002	SSPL VOCs	0.8	<0.5	0.06 J	<0.5
	09/17/2002	SSPL VOCs	0.4 J	<0.5	<0.5	<0.5
	03/27/2003	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
MP-10D	09/27/2001	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	12/06/2002	SSPL VOCs	0.07J	<0.5	<0.5	<0.5
	01/30/2002	SSPL VOCs	0.1J	<0.5	<0.5	<0.5
	04/04/2002	SSPL VOCs	0.3J	0.04J	<0.5	<0.5
	09/17/2002	SSPL VOCs	0.3J	<0.5	<0.5	<0.5
	03/27/2003	SSPL VOCs	0.5	<0.5	<0.5	<0.5
	09/18/2003	SSPL VOCs	1.8	<0.5	<0.5	<0.5
	04/09/2004	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	09/22/2004	SSPL VOCs	0.83	<0.5	<0.5	<0.5
	09/29/2005	SSPL VOCs	<1	<1	<2	<2
	02/01/2006	Phase II ISCO Field Test				
	03/08/2006	Phase II ISCO Field Test				
	04/04/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/05/2006	Phase II ISCO Field Test				
	09/21/2006	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	04/04/2007	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	06/13/2007	Phase III ISCO Field Test				
	08/29/2007	Phase III ISCO Field Test				
	10/16/2007	SSPL VOCs	2.5J	<5.0	<5.0	<5.0
	11/27/2007	Phase III ISCO Field Test				
	03/27/2008	SSPL VOCs	2.5J	<5.0	<5.0	<5.0
	04/01/2008	Phase III ISCO Field Test				
	07/24/2008	Phase III ISCO Field Test				
	10/01/2008	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	10/03/2008	Phase III ISCO Field Test				
	03/17/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/25/2009	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/15/2010	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/20/2011	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/15/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	06/20/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/21/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/19/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/23/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
MP-11	10/28/2011	SSPL VOCs	11	0.28 J	5.4	9.2
	12/19/2011	SSPL VOCs	25	0.36 J	15	18
	02/15/2012	SSPL VOCs	32	0.36 J	24	22
	04/19/2012	SSPL VOCs	41	0.34 J	30	32
	06/21/2012	SSPL VOCs	52	0.49 J	23 J	31
	09/19/2012	SSPL VOCs	86	0.99 J	38	32
	12/18/2012	SSPL VOCs	110	1.0 J	50.35 J	44
	03/13/2013	SSPL VOCs	170	1.4 J	52.36 J	23
	09/04/2013	SSPL VOCs	200 D	1.8 DJ	43.80 DJ	26 D
	03/18/2014	SSPL VOCs	220	1.6 J	34	17
	09/17/2014	SSPL VOCs	3.1 J	<5.0	<5.0	<5.0
	03/16/2015	SSPL VOCs	67	<5.0	2.3 J	<5.0
	09/22/2015	SSPL VOCs	<25	<25	<25	<25
	03/15/2016	SSPL VOCs	3.4 J	<5.0	<5.0	<5.0
	09/13/2016	SSPL VOCs	4.1	<1.0	<1.0	<1.0
	09/13/2017	SSPL VOCs	7.7	<1.0	<1.0	<1.0
	09/19/2018	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2020	SSPL VOCs	<10	<10	<10	<10

Table 5 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
	09/16/2021	SSPL VOCs	<10	<10	<10	<10

See notes on last page

Table 5 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
Sample Location	Sampling Date	Analysis	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
MP-12	10/28/2011	SSPL VOCs	78	4.4 J	4.5 J	<5.0
	12/20/2011	SSPL VOCs	77	3.9 J	4.5 J	<5.0
	02/15/2012	SSPL VOCs	51	2.8 J	2.7 J	<5.0
	04/19/2012	SSPL VOCs	36	2.1 J	2.2J	<5.0
	06/19/2012	SSPL VOCs	28	1.6 J	1.4 J	<5.0
	09/19/2012	SSPL VOCs	79	3.7 J	2.9 J	<5.0
	12/18/2012	SSPL VOCs	48	2.7 J	2.5 J	<5.0
	03/14/2013	SSPL VOCs	34	1.8 J	2.0 J	<5.0
	09/04/2013	SSPL VOCs	49	2.7 J	2.2 J	<5.0
	03/18/2014	SSPL VOCs	27	1.4 J	1.9 J	<5.0
	09/18/2014	SSPL VOCs	31	1.2 J	1.1 J	<5.0
	03/16/2015	SSPL VOCs	26	0.88 J	0.93 J	<5.0
	09/21/2015	SSPL VOCs	15	0.54 J	0.78 J	<5.0
	03/15/2016	SSPL VOCs	13	0.44 J	0.71 J	<5.0
	09/13/2016	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	03/23/2017	SSPL VOCs	17	<1.0	<1.0	<1.0
	09/12/2017	SSPL VOCs	4.6	<2.0	<2.0	<2.0
	03/21/2018	SSPL VOCs	5.1 J	<10	<10	<10
	09/19/2018	SSPL VOCs	12	<5.0	<5.0	<5.0
	03/19/2019	SSPL VOCs	<10	<10	<10	<10
	09/15/2020	SSPL VOCs	<10	<10	<10	<10
	09/15/2021	SSPL VOCs	<10	<10	<10	<10
MP-13	10/28/2011	SSPL VOCs	< 5.0	1.2 J	< 5.0	<5.0
	12/19/2011	SSPL VOCs	1.2 J	0.9 J	<5.0	<5.0
	02/15/2012	SSPL VOCs	3.7 J	0.50 J	<5.0	<5.0
	04/18/2012	SSPL VOCs	0.82 J	0.38 J	<5.0	<5.0
	06/19/2012	SSPL VOCs	0.6 J	0.51 J	<5.0	<5.0
	09/20/2012	SSPL VOCs	<5.0	0.51	<5.0	<5.0
	12/21/2012	SSPL VOCs	0.61 J	0.41 J	<5.0	<5.0
	09/25/2013	SSPL VOCs	<5.0	0.32 J	<5.0	<5.0
	09/17/2014	SSPL VOCs	<5.0	0.33 J	<5.0	<5.0
	09/22/2015	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/13/2016	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/11/2017	SSPL VOCs	<1.0	0.26 J	<1.0	<1.0
	09/18/2018	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2021	SSPL VOCs	<1.0	0.36 J	<1.0	<1.0
MP-14	10/31/2011	SSPL VOCs	30	1.6 J	0.98 J	< 5.0
	12/21/2011	SSPL VOCs	37	2.0 J	1.1 J	< 5.0
	02/15/2012	SSPL VOCs	29	1.7 J	1.3 J	<5.0
	04/19/2012	SSPL VOCs	25	1.2 J	1.1 J	<5.0
	06/20/2012	SSPL VOCs	30	1.6 J	1.2 J	<5.0
	09/20/2012	SSPL VOCs	30	1.6 J	1.1 J	<5.0
	12/18/2012	SSPL VOCs	27	1.5 J	1.2 J	< 5.0
	03/14/2013	SSPL VOCs	32	1.6 J	1.6 J	<5.0
	09/05/2013	SSPL VOCs	32	1.5 J	1.2 J	< 5.0
	03/19/2014	SSPL VOCs	37	1.9 J	1.9 J	<5.0
	09/18/2014	SSPL VOCs	45	1.9 J	1.2 J	<5.0
	03/16/2015	SSPL VOCs	53	1.7 J	1.2 J	<5.0
	09/21/2015	SSPL VOCs	50	0.71 J	0.66 J	<5.0
	03/16/2016	SSPL VOCs	89	1.9	1.3	<5.0
	09/14/2016	SSPL VOCs	10	<1.0	<1.0	<1.0
	09/12/2017	SSPL VOCs	26	0.38 J	<1.0	<1.0
	03/21/2018	SSPL VOCs	25	0.45 J	<1.0	<1.0
	09/19/2018	SSPL VOCs	33	1.1	0.51 J	<1.0
	03/18/2019	SSPL VOCs	9.7	<1.0	<1.0	<1.0
	09/17/2020	SSPL VOCs	6.1	0.25 J	<1.0	<1.0
	09/16/2021	SSPL VOCs	14	0.32 J	<1.0	<1.0
IJ-1	01/30/2006	SSPL VOCs	<50	<50	<50	<50
	12/20/2011	SSPL VOCs	180	1.6 J	1 J	<5.0
	02/14/2012	SSPL VOCs	180D	2.0 DJ	1.2 DJ	<10
	04/18/2012	SSPL VOCs	<10	<10	<10	<10
	06/21/2012	SSPL VOCs	< 5.0	< 5.0	< 5.0	< 5.0
	09/20/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/20/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/03/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/17/2014	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/22/2015	SSPL VOCs	<50	<50	<50	<50
	09/13/2016	SSPL VOCs	<10	<10	<10	<10
	09/12/2017	SSPL VOCs	<10	<10	<10	<10
	09/18/2018	SSPL VOCs	<10	<10	<10	<10
IJ-2	01/30/2006	SSPL VOCs	15 J	<25	<25	<25
IJ-3	01/30/2006	SSPL VOCs	10	3.5 J	<10	<10
IJ-4	01/30/2006	SSPL VOCs	6,700	40J	55J	<250
	12/21/2011	SSPL VOCs	7,300	100 J	200 J	<250
	02/15/2012	SSPL VOCs	7,200	120 J	240 J	<250
	04/18/2012	SSPL VOCs	<10	<10	<10	<10
	06/21/2012	SSPL VOCs	1200 D	4.0 J	2.8 J	<10
	09/19/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/20/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/14/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/04/2013	SSPL VOCs	<10	<10	<10	<10
	03/18/2014	SSPL VOCs	190	0.39 J	0.34 J	<5.0
	09/17/2014	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/17/2015	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/22/2015	SSPL VOCs	<25	<25	<25	<25
	03/15/2016	SSPL VOCs	<25	<25	<25	<25
	09/13/2016	SSPL VOCs	<2.5	<2.5	<2.5	<2.5
	03/23/2017	SSPL VOCs	<10	<10	<10	<10
	09/12/2017	SSPL VOCs	<10	<10	<10	<10
	03/21/2018	SSPL VOCs	4.8 J	<5.0	<5.0	<5.0
	09/19/2018	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/18/2019	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
IJ-5	01/30/2006	SSPL VOCs	<5.0	6.7	8.5	<5.0
	12/21/2011	SSPL VOCs	0.90 J	<5.0	<5.0	<5.0
	02/15/2012	SSPL VOCs	0.44 J	<5.0	<5.0	<5.0
	04/19/2012	SSPL VOCs	< 5.0	<5.0	<5.0	<5.0
	06/20/2012	SSPL VOCs	0.22 J	<5.0	<5.0	<5.0
	09/20/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/18/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/15/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/05/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/19/2014	SSPL VOCs	0.32 J	<5.0	<5.0	<5.0
	09/18/2014	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/21/2018	SSPL VOCs	1.5 J	<5.0	<5.0	<5.0
	03/18/2019	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
IJ-6	01/30/2006	SSPL VOCs	390	4 J	9.7 J	<13
IJ-8	03/21/2018	SSPL VOCs	0.36 J	<1.0	<1.0	<1.0
	03/19/2019	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
IJ-10	10/28/2011	SSPL VOCs	200	150	380.7 J	1.1 J
	12/20/2011	SSPL VOCs	310	110	302.5 J	2.0 J
	02/14/2012	SSPL VOCs	230	88	364.1 J	3.0 J
	04/18/2012	SSPL VOCs	<13	<13	<13	<13
	06/21/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/20/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	12/20/2012	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/14/2013	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/03/2013	SSPL VOCs	2.0 J	<5.0	<5.0	<5.0
	03/19/2014	SSPL VOCs	0.92 J	<5.0	<5.0	<5.0
	09/17/2014	SSPL VOCs	1.5 J	<5.0	<5.0	<5.0
	03/17/2015	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	09/22/2015	SSPL VOCs	<50	<50	<50	<50
	03/15/2016	SSPL VOCs	<50 (<50)	<50 (<50)	<50 (<50)	<50 (<50)
	09/13/2016	SSPL VOCs	<10	<10	<10	<10
	03/23/2017	SSPL VOCs	7.6 J	<10	<10	<10
	09/12/2017	SSPL VOCs	<10	<10	<10	<10
	03/21/2018	SSPL VOCs	8.1 J	<10	<10	<10
	09/20/2018	SSPL VOCs	<5.0	<5.0	<5.0	<5.0
	03/20/2019	SSPL VOCs	<10	<10	<10	<10

Notes:

= Concentration exceeds NYSDEC GWQS

= Baseline sample before full-scale ISCO system initiation

'= Well has since been abandoned

J = Result is an estimated concentration

D = Result if from a sample dilution

< = Compound not detected above laboratory reporting limit given

PCE = Tetrachloroethene

TCE = Trichloroethene

1,2 DCE = Sum of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene isomers

NS = Not sampled

µg/L = Micrograms per liter

SSPL VOCs = Site specific parameter list volatile organic compounds

( ) = Result in parentheses indicates result is from a sample duplicate

Table 6 Summary of SSPL VOC Groundwater Analytical Results – September 2021, Former Dover Electronics Site, Kirkwood, New York

Sample ID	NYSDEC GWQS	MW-2-091621	MW-3-091621	MW-7A-091621	MW-13-091621	MW-14-091521	MW-16-091621
Laboratory ID		R2109635-014	R2109635-010	R2109635-009	R2109635-003	R2109571-004	R2109635-007
Date Sampled		9/16/2021	9/16/2021	9/16/2021	9/16/2021	9/15/2021	9/16/2021
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	3.2	1.0 U	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	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	110	1.0 U	14	1.0 U	11
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	2.8	1.0 U	1.0 U	0.56 J	1.0 U	1.0 U
Vinyl Chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Sample ID	NYSDEC GWQS	MW-17-091621	MW-19-091521	MW-22-091621	MW-24-091621	MW-25R-091521	MW-26-091621
Laboratory ID		R2109635-011	R2109571-011	R2109635-005	R2109635-002	R2109571-007	R2109635-004
Date Sampled		9/16/2021	9/15/2021	9/16/2021	9/16/2021	9/15/2021	9/16/2021
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	2.6	1.0 U	10 U	2.1	2.5
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
Tetrachloroethene	5	0.76 J	6.2	1.0 U	10 U	72	8.0
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.9	1.0 U	10 U	2.6	1.8
Vinyl Chloride	2	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U

Sample ID	NYSDEC GWQS	MW-27-091521	MW-28-091521	MW-31-091621	MW-32-091421	MW-35-091421	MW-38-091621
Laboratory ID		R2109635-023	R2109571-006	R2109635-016	R2109571-001	R2109571-002	R2109635-013
Date Sampled		9/15/2021	9/15/2021	9/16/2021	9/14/2021	9/14/2021	9/16/2021
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1-Dichloroethane	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	16	4.1 J	0.47 J	1.0 U	0.42 J	3.2
trans-1,2-Dichloroethene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	0.65 J	5.0 U	1.0 U	1.0 U	1.0 U	74
1,1,1-Trichloroethane	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.5	1.5 J	1.0 U	1.0 U	1.0 U	6.2
Vinyl Chloride	2	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Sample ID	NYSDEC GWQS	MP-3D-091721	MP-6S-091621	MP-6D-091621	MP-8S-091621	MP-8D-091721	MP-11-091621
Laboratory ID		R2109635-024	R2109635-020	R2109635-015	R2109635-017	R2109635-021	R2109635-001
Date Sampled		9/17/2021	9/16/2021	9/16/2021	9/16/2021	9/17/2021	9/16/2021
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1-Dichloroethane	5	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	10 U
1,1-Dichloroethene	5	1.0 U	2.5 U	1.0 U	0.40 J	1.0 U	10 U
cis-1,2-Dichloroethene	5	0.53 J	1.7 J	1.0 U	71	1.0 U	10 U
trans-1,2-Dichloroethene	5	1.0 U	2.5 U	1.0 U	3.7	1.0 U	10 U
Tetrachloroethene	5	1.0 U	590 D	1.0 U	16	0.85 J	10 U
1,1,1-Trichloroethane	5	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	10 U
Trichloroethene	5	1.0 U	2.7	1.0 U	28	0.24 J	10 U
Vinyl Chloride	2	1.0 U	2.5 U	1.0 U	0.62 J	1.0 U	10 U

Sample ID	NYSDEC GWQS	MP-12-091521	MP-13-091521	MP-14-091621	TB-091421	Trip Blank-091621	FB-091621
Laboratory ID		R2109571-010	R2109571-005	R2109635-012	R2109571-003	R2109635-008	R2109635-006
Date Sampled		9/15/2021	9/15/2021	9/16/2021	9/14/2021	9/16/2021	9/16/2021
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1-Dichloroethane	5	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	10 U	1.0 U	14	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	10 U	0.36 J	0.32 J	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Sample ID	NYSDEC GWQS	FB-091721
Laboratory ID		R2109635-022
Date Sampled		9/17/2021
Units		µg/L
1,1-Dichloroethane	5	1.0 U
1,1-Dichloroethene	5	1.0 U
cis-1,2-Dichloroethene	5	1.0 U
trans-1,2-Dichloroethene	5	1.0 U
Tetrachloroethene	5	1.0 U
1,1,1-Trichloroethane	5	1.0 U
Trichloroethene	5	1.0 U
Vinyl Chloride	2	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 7 Indoor Air Sampling Analytical Results - March 2021 - Former Dover Electronics Site, Kirkwood, New York

Sample Location	Background				Office Area #1				Office Area #2			
Sampling Date	3/9/2021				3/9/2021				3/9/2021			
Laboratory Sample ID	P2101235-004				P2101235-001				P2101235-003			
Units	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q
Volatile Organic Compounds												
Dichlorodifluoromethane (Freon 12)	**0.50**		**2.5**		2.4	U	12	U	**0.67**		**3.3**	
Chloromethane	0.32	U	0.67	U	5.8	U	12	U	0.34	U	0.70	U
Freon 114	0.095	U	0.67	U	1.7	U	12	U	0.10	U	0.70	U
Vinyl Chloride	0.27	U	0.68	U	4.8	U	12	U	0.28	U	0.71	U
1,3-Butadiene	0.30	U	0.67	U	5.4	U	12	U	0.32	U	0.70	U
Bromomethane	0.17	U	0.67	U	3.1	U	12	U	0.18	U	0.70	U
Chloroethane	0.25	U	0.67	U	4.6	U	12	U	0.26	U	0.70	U
Ethanol	**5.2**		**9.8**		**190**		**370**		**360**		**670**	
Acetonitrile	0.40	U	0.68	U	7.3	U	12	U	0.42	U	0.71	U
Acrolein	0.61	U	1.4	U	11	U	25	U	0.64	U	1.5	U
Acetone	2.8	U	6.7	U	51	U	120	U	**5.3**		**13**	
Trichlorofluoromethane (Freon 11)	**0.23**		**1.3**		2.1	U	12	U	**2.3**		**13**	
2-Propanol (Isopropyl Alcohol)	0.52	U	1.3	U	9.4	U	23	U	**6.7**		**17**	
Acrylonitrile	0.59	U	1.3	U	11	U	23	U	0.62	U	1.3	U
1,1-Dichloroethene	0.17	U	0.67	U	3.0	U	12	U	0.18	U	0.70	U
Methylene Chloride	0.19	U	0.67	U	3.5	U	12	U	**0.24**		**0.82**	
3-Chloro-1-propene (Allyl Chloride)	0.21	U	0.67	U	3.8	U	12	U	0.22	U	0.70	U
Trichlorotrifluoroethane (Freon 113)	0.089	U	0.68	U	1.6	U	12	U	0.093	U	0.71	U
Carbon Disulfide	0.41	U	1.3	U	7.4	U	23	U	0.43	U	1.3	U
trans-1,2-Dichloroethene	0.17	U	0.68	U	3.1	U	12	U	0.18	U	0.71	U
1,1-Dichloroethane	0.17	U	0.69	U	3.1	U	12	U	0.18	U	0.72	U
Methyl tert-Butyl Ether	0.18	U	0.67	U	3.3	U	12	U	0.19	U	0.70	U
Vinyl Acetate	2.0	U	7.0	U	36	U	130	U	2.1	U	7.4	U
2-Butanone (MEK)	0.43	U	1.3	U	7.8	U	23	U	0.45	U	1.3	U
cis-1,2-Dichloroethene	0.17	U	0.67	U	3.0	U	12	U	0.18	U	0.70	U
n-Hexane	0.19	U	0.67	U	3.4	U	12	U	0.20	U	0.70	U
Chloroform	0.14	U	0.68	U	2.5	U	12	U	0.15	U	0.71	U
1,2-Dichloroethane	0.16	U	0.67	U	3.0	U	12	U	0.17	U	0.70	U
1,1,1-Trichloroethane	0.12	U	0.67	U	2.2	U	12	U	0.13	U	0.70	U
Benzene	0.21	U	0.67	U	3.8	U	12	U	0.22	U	0.70	U
Carbon Tetrachloride	**0.075**		**0.47**		0.40	U	2.5	U	**0.077**		**0.48**	
1,2-Dichloropropane	0.14	U	0.67	U	2.6	U	12	U	0.15	U	0.70	U
Bromodichloromethane	0.099	U	0.67	U	1.8	U	12	U	0.10	U	0.70	U
Trichloroethene (TCE)	0.026	U	0.14	U	**1.0**		**5.4**		0.027	U	0.15	U
1,4-Dioxane	0.18	U	0.67	U	3.3	U	12	U	0.19	U	0.70	U
cis-1,3-Dichloropropene	0.15	U	0.68	U	2.7	U	12	U	0.16	U	0.71	U
4-Methyl-2-pentanone	0.31	U	1.3	U	5.6	U	23	U	0.33	U	1.3	U
trans-1,3-Dichloropropene	0.14	U	0.65	U	2.6	U	12	U	0.15	U	0.68	U
1,1,2-Trichloroethane	0.12	U	0.67	U	2.2	U	12	U	0.13	U	0.70	U
Toluene	**0.26**		**0.99**		3.2	U	12	U	**0.37**		**1.4**	
2-Hexanone	0.31	U	1.3	U	5.6	U	23	U	0.33	U	1.3	U
Dibromochloromethane	0.078	U	0.67	U	1.4	U	12	U	0.082	U	0.70	U
1,2-Dibromoethane	0.087	U	0.67	U	1.6	U	12	U	0.091	U	0.70	U
n-Butyl Acetate	0.27	U	1.3	U	4.9	U	23	U	0.28	U	1.3	U
Tetrachloroethene (PCE)	0.098	U	0.67	U	1.8	U	12	U	**0.29**		**1.9**	
Chlorobenzene	0.14	U	0.67	U	2.6	U	12	U	0.15	U	0.70	U
Ethylbenzene	0.15	U	0.67	U	2.8	U	12	U	0.16	U	0.70	U
m,p-Xylenes	0.29	U	1.3	U	5.3	U	23	U	0.31	U	1.3	U
Bromoform	0.066	U	0.68	U	1.2	U	12	U	0.069	U	0.71	U
Styrene	0.16	U	0.67	U	2.8	U	12	U	0.16	U	0.70	U
o-Xylene	0.16	U	0.68	U	2.8	U	12	U	0.16	U	0.71	U
n-Nonane	0.13	U	0.68	U	2.3	U	12	U	0.14	U	0.71	U
1,1,2,2-Tetrachloroethane	0.099	U	0.68	U	1.8	U	12	U	0.10	U	0.71	U
Cumene	0.14	U	0.67	U	2.4	U	12	U	0.14	U	0.70	U
alpha-Pinene	0.12	U	0.68	U	2.2	U	12	U	**0.70**		**3.9**	
4-Ethyltoluene	0.14	U	0.68	U	2.5	U	12	U	0.14	U	0.71	U
1,3,5-Trimethylbenzene	0.14	U	0.68	U	2.5	U	12	U	0.14	U	0.71	U
1,2,4-Trimethylbenzene	0.14	U	0.67	U	2.4	U	12	U	0.14	U	0.70	U
Benzyl Chloride	0.26	U	1.3	U	4.7	U	24	U	0.27	U	1.4	U
1,3-Dichlorobenzene	0.11	U	0.68	U	2.0	U	12	U	0.12	U	0.71	U
1,4-Dichlorobenzene	0.11	U	0.67	U	2.0	U	12	U	0.12	U	0.70	U
1,2-Dichlorobenzene	0.11	U	0.68	U	2.0	U	12	U	0.12	U	0.71	U
d-Limonene	0.12	U	0.67	U	2.2	U	12	U	**1.8**		**10**	
1,2-Dibromo-3-chloropropane	0.13	U	1.3	U	2.4	U	23	U	0.14	U	1.3	U
1,2,4-Trichlorobenzene	0.17	U	1.3	U	3.1	U	23	U	0.18	U	1.3	U
Naphthalene	0.13	U	0.67	U	2.3	U	12	U	0.13	U	0.70	U
Hexachlorobutadiene	0.062	U	0.67	U	1.1	U	12	U	0.065	U	0.70	U

Notes:

Bold = compound detected in sample

Yellow = compounds of concern

µg/m³ = micrograms per cubic meter

ppbv = parts per billion by volume

Q = Qualifier

U = Constituent not detected above reporting limit given

V = The continuing calibration standard was outside (biased high) the specified limits for this compound

All samples analyzed by ALS Environmental of Simi Valley, CA

Gray shading indicates compound exceeds respective NYSDOH Indoor Air Guidance Value

NYSDOH = New York State Department of Health

NYSDOH Indoor Air Guidance Values in µg/m^3 are:

Methylene Chloride - 60 TCE - 2

PCE - 30

Table 7 (Continued) Indoor Air Sampling Analytical Results - March 2021 - Former Dover Electronics Site, Kirkwood, New York

Sample Location	Cafeteria				Hallway				Computer Services			
Sampling Date	3/9/2021				3/9/2021				3/9/2021			
Laboratory Sample ID	P2101235-006				P2101235-007				P2101235-008			
Units	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q
Volatile Organic Compounds												
Dichlorodifluoromethane (Freon 12)	**0.79**		**3.9**		**1.3**		**6.4**		**0.66**		**3.3**	
Chloromethane	0.37	U	0.77	U	0.37	U	0.75	U	0.38	U	0.77	U
Freon 114	0.11	U	0.77	U	0.11	U	0.75	U	0.11	U	0.77	U
Vinyl Chloride	0.31	U	0.78	U	0.30	U	0.77	U	0.31	U	0.79	U
1,3-Butadiene	0.35	U	0.77	U	0.34	U	0.75	U	0.35	U	0.77	U
Bromomethane	0.20	U	0.77	U	0.19	U	0.75	U	0.20	U	0.77	U
Chloroethane	0.29	U	0.77	U	0.29	U	0.75	U	0.29	U	0.77	U
Ethanol	**280**		**530**		**780**		**1500**	D	**630**		**1200**	D
Acetonitrile	0.47	U	0.78	U	0.46	U	0.77	U	0.47	U	0.79	U
Acrolein	0.71	U	1.6	U	0.70	U	1.6	U	0.72	U	1.6	U
Acetone	**6.5**		**15**		**13**		**30**		**7.1**		**17**	
Trichlorofluoromethane (Freon 11)	**1.6**		**9.1**		**1.4**		**7.9**		**2.2**		**12**	
2-Propanol (Isopropyl Alcohol)	**9.8**		**24**		**35**		**87**		**6.9**		**17**	
Acrylonitrile	0.68	U	1.5	U	0.67	U	1.5	U	0.69	U	1.5	U
1,1-Dichloroethene	0.19	U	0.77	U	0.19	U	0.75	U	0.20	U	0.77	U
Methylene Chloride	**0.52**		**1.8**		**0.58**		**2.0**		**0.28**		**0.97**	
3-Chloro-1-propene (Allyl Chloride)	0.25	U	0.77	U	0.24	U	0.75	U	0.25	U	0.77	U
Trichlorotrifluoroethane (Freon 113)	0.10	U	0.78	U	0.10	U	0.77	U	0.10	U	0.79	U
Carbon Disulfide	0.48	U	1.5	U	0.47	U	1.5	U	0.48	U	1.5	U
trans-1,2-Dichloroethene	0.20	U	0.78	U	0.19	U	0.77	U	0.20	U	0.79	U
1,1-Dichloroethane	0.20	U	0.80	U	0.19	U	0.78	U	0.20	U	0.80	U
Methyl tert-Butyl Ether	0.21	U	0.77	U	0.21	U	0.75	U	0.21	U	0.77	U
Vinyl Acetate	2.3	U	8.1	U	2.3	U	8.0	U	2.3	U	8.2	U
2-Butanone (MEK)	0.50	U	1.5	U	0.49	U	1.5	U	0.51	U	1.5	U
cis-1,2-Dichloroethene	0.19	U	0.77	U	0.19	U	0.75	U	0.20	U	0.77	U
n-Hexane	0.22	U	0.77	U	0.21	U	0.75	U	0.22	U	0.77	U
Chloroform	0.16	U	0.78	U	0.16	U	0.77	U	0.16	U	0.79	U
1,2-Dichloroethane	0.19	U	0.77	U	0.19	U	0.75	U	0.19	U	0.77	U
1,1,1-Trichloroethane	0.14	U	0.77	U	0.14	U	0.75	U	0.14	U	0.77	U
Benzene	0.24	U	0.77	U	0.24	U	0.75	U	0.24	U	0.77	U
Carbon Tetrachloride	**0.072**		**0.45**		**0.071**		**0.44**		**0.073**		**0.46**	
1,2-Dichloropropane	0.17	U	0.77	U	0.16	U	0.75	U	0.17	U	0.77	U
Bromodichloromethane	0.11	U	0.77	U	0.11	U	0.75	U	0.12	U	0.77	U
Trichloroethene (TCE)	**0.043**		**0.23**		**0.061**		**0.33**		**0.057**		**0.31**	
1,4-Dioxane	0.21	U	0.77	U	0.21	U	0.75	U	0.22	U	0.77	U
cis-1,3-Dichloropropene	0.17	U	0.78	U	0.17	U	0.77	U	0.17	U	0.79	U
4-Methyl-2-pentanone	0.36	U	1.5	U	0.35	U	1.5	U	0.36	U	1.5	U
trans-1,3-Dichloropropene	0.17	U	0.75	U	0.16	U	0.74	U	0.17	U	0.76	U
1,1,2-Trichloroethane	0.14	U	0.77	U	0.14	U	0.75	U	0.14	U	0.77	U
Toluene	**0.66**		**2.5**		**0.44**		**1.6**		**0.27**		**1.0**	
2-Hexanone	0.36	U	1.5	U	0.35	U	1.5	U	0.36	U	1.5	U
Dibromochloromethane	0.090	U	0.77	U	0.089	U	0.75	U	0.091	U	0.77	U
1,2-Dibromoethane	0.10	U	0.77	U	0.098	U	0.75	U	0.10	U	0.77	U
n-Butyl Acetate	0.31	U	1.5	U	0.31	U	1.5	U	0.31	U	1.5	U
Tetrachloroethene (PCE)	**0.36**		**2.5**		**0.76**		**5.1**		**0.35**		**2.4**	
Chlorobenzene	0.17	U	0.77	U	0.16	U	0.75	U	0.17	U	0.77	U
Ethylbenzene	0.18	U	0.77	U	0.17	U	0.75	U	0.18	U	0.77	U
m,p-Xylenes	0.34	U	1.5	U	0.33	U	1.5	U	0.34	U	1.5	U
Bromoform	0.076	U	0.78	U	0.074	U	0.77	U	0.076	U	0.79	U
Styrene	0.18	U	0.77	U	0.18	U	0.75	U	0.18	U	0.77	U
o-Xylene	0.18	U	0.78	U	0.18	U	0.77	U	0.18	U	0.79	U
n-Nonane	0.15	U	0.78	U	0.15	U	0.77	U	0.15	U	0.79	U
1,1,2,2-Tetrachloroethane	0.11	U	0.78	U	0.11	U	0.77	U	0.12	U	0.79	U
Cumene	0.16	U	0.77	U	0.15	U	0.75	U	0.16	U	0.77	U
alpha-Pinene	**0.86**		**4.8**		**2.4**		**13**		**1.3**		**7.2**	
4-Ethyltoluene	0.16	U	0.78	U	0.16	U	0.77	U	0.16	U	0.79	U
1,3,5-Trimethylbenzene	0.16	U	0.78	U	0.16	U	0.77	U	0.16	U	0.79	U
1,2,4-Trimethylbenzene	0.16	U	0.77	U	0.15	U	0.75	U	0.16	U	0.77	U
Benzyl Chloride	0.30	U	1.6	U	0.29	U	1.5	U	0.30	U	1.6	U
1,3-Dichlorobenzene	0.13	U	0.78	U	0.13	U	0.77	U	0.13	U	0.79	U
1,4-Dichlorobenzene	0.13	U	0.77	U	0.13	U	0.75	U	0.13	U	0.77	U
1,2-Dichlorobenzene	0.13	U	0.78	U	0.13	U	0.77	U	0.13	U	0.79	U
d-Limonene	**3.7**		**21**		**19**		**110**		**2.0**		**11**	
1,2-Dibromo-3-chloropropane	0.15	U	1.5	U	0.15	U	1.5	U	0.15	U	1.5	U
1,2,4-Trichlorobenzene	0.20	U	1.5	U	0.20	U	1.5	U	0.20	U	1.5	U
Naphthalene	0.15	U	0.77	U	0.14	U	0.75	U	0.15	U	0.77	U
Hexachlorobutadiene	0.072	U	0.77	U	0.071	U	0.75	U	0.073	U	0.77	U

Notes:

Bold = compound detected in sample

Yellow = compounds of concern

µg/m³ = micrograms per cubic meter

ppbv = parts per billion by volume

Q = Qualifier

U = Constituent not detected above reporting limit given

V = The continuing calibration standard was outside (biased high) the specified limits for this compound

All samples analyzed by ALS Environmental of Simi Valley, CA

Gray shading indicates compound exceeds respective NYSDOH Indoor Air Guidance Value

NYSDOH = New York State Department of Health

NYSDOH Indoor Air Guidance Values in µg/m³ are:

Methylene Chloride - 60 TCE - 2

PCE - 30

Table 7 (Continued) Indoor Air Sampling Analytical Results - March 2021 - Former Dover Electronics Site, Kirkwood, New York

Sample Location	A/C Area				Electrical Area			
Sampling Date	3/9/2021				3/9/2021			
Laboratory Sample ID	P2101235-002				P2101235-005			
Units	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q
Volatile Organic Compounds								
Dichlorodifluoromethane (Freon 12)	**0.75**		**3.7**		**1.0**		**5.0**	
Chloromethane	0.37	U	0.76	U	0.37	U	0.77	U
Freon 114	0.11	U	0.76	U	0.11	U	0.77	U
Vinyl Chloride	0.30	U	0.78	U	0.31	U	0.78	U
1,3-Butadiene	0.35	U	0.76	U	0.35	U	0.77	U
Bromomethane	0.20	U	0.76	U	0.20	U	0.77	U
Chloroethane	0.29	U	0.76	U	0.29	U	0.77	U
Ethanol	**200**		**380**		**210**		**390**	
Acetonitrile	0.46	U	0.78	U	0.47	U	0.78	U
Acrolein	0.71	U	1.6	U	0.71	U	1.6	U
Acetone	**5.2**		**12**		**5.7**		**13**	
Trichlorofluoromethane (Freon 11)	**1.5**		**8.4**		**2.5**		**14**	
2-Propanol (Isopropyl Alcohol)	**6.5**		**16**		**7.7**		**19**	
Acrylonitrile	0.68	U	1.5	U	0.68	U	1.5	U
1,1-Dichloroethene	0.19	U	0.76	U	0.19	U	0.77	U
Methylene Chloride	**0.50**		**1.7**		**0.35**		**1.2**	
3-Chloro-1-propene (Allyl Chloride)	0.24	U	0.76	U	0.25	U	0.77	U
Trichlorotrifluoroethane (Freon 113)	0.10	U	0.78	U	0.10	U	0.78	U
Carbon Disulfide	0.47	U	1.5	U	0.48	U	1.5	U
trans-1,2-Dichloroethene	0.20	U	0.78	U	0.20	U	0.78	U
1,1-Dichloroethane	0.20	U	0.79	U	0.20	U	0.80	U
Methyl tert-Butyl Ether	0.21	U	0.76	U	0.21	U	0.77	U
Vinyl Acetate	2.3	U	8.1	U	2.3	U	8.1	U
2-Butanone (MEK)	0.50	U	1.5	U	0.50	U	1.5	U
cis-1,2-Dichloroethene	0.19	U	0.76	U	0.19	U	0.77	U
n-Hexane	0.22	U	0.76	U	0.22	U	0.77	U
Chloroform	0.16	U	0.78	U	0.16	U	0.78	U
1,2-Dichloroethane	0.19	U	0.76	U	0.19	U	0.77	U
1,1,1-Trichloroethane	0.14	U	0.76	U	0.14	U	0.77	U
Benzene	0.24	U	0.76	U	0.24	U	0.77	U
Carbon Tetrachloride	**0.075**		**0.47**		**0.072**		**0.46**	
1,2-Dichloropropane	0.17	U	0.76	U	0.17	U	0.77	U
Bromodichloromethane	0.11	U	0.76	U	0.11	U	0.77	U
Trichloroethene (TCE)	**0.064**		**0.34**		**0.047**		**0.25**	
1,4-Dioxane	0.21	U	0.76	U	0.21	U	0.77	U
cis-1,3-Dichloropropene	0.17	U	0.78	U	0.17	U	0.78	U
4-Methyl-2-pentanone	0.36	U	1.5	U	0.36	U	1.5	U
trans-1,3-Dichloropropene	0.17	U	0.75	U	0.17	U	0.75	U
1,1,2-Trichloroethane	0.14	U	0.76	U	0.14	U	0.77	U
Toluene	**0.51**		**1.9**		**0.74**		**2.8**	
2-Hexanone	0.36	U	1.5	U	0.36	U	1.5	U
Dibromochloromethane	0.090	U	0.76	U	0.090	U	0.77	U
1,2-Dibromoethane	0.10	U	0.76	U	0.10	U	0.77	U
n-Butyl Acetate	0.31	U	1.5	U	0.31	U	1.5	U
Tetrachloroethene (PCE)	**0.35**		**2.3**		**0.41**	U	**2.8**	U
Chlorobenzene	0.17	U	0.76	U	0.17	U	0.77	U
Ethylbenzene	0.18	U	0.76	U	0.18	U	0.77	U
m,p-Xylenes	0.34	U	1.5	U	0.34	U	1.5	U
Bromoform	0.075	U	0.78	U	0.076	U	0.78	U
Styrene	0.18	U	0.76	U	0.18	U	0.77	U
o-Xylene	0.18	U	0.78	U	0.18	U	0.78	U
n-Nonane	0.15	U	0.78	U	0.15	U	0.78	U
1,1,2,2-Tetrachloroethane	0.11	U	0.78	U	0.11	U	0.78	U
Cumene	0.16	U	0.76	U	0.16	U	0.77	U
alpha-Pinene	**0.72**		**4.0**		**0.68**		**3.8**	
4-Ethyltoluene	0.16	U	0.78	U	0.16	U	0.78	U
1,3,5-Trimethylbenzene	0.16	U	0.78	U	0.16	U	0.78	U
1,2,4-Trimethylbenzene	0.16	U	0.76	U	0.16	U	0.77	U
Benzyl Chloride	0.30	U	1.5	U	0.30	U	1.6	U
1,3-Dichlorobenzene	0.13	U	0.78	U	0.13	U	0.78	U
1,4-Dichlorobenzene	0.13	U	0.76	U	0.13	U	0.77	U
1,2-Dichlorobenzene	0.13	U	0.78	U	0.13	U	0.78	U
d-Limonene	**2.8**		**16**		**2.2**		**12**	
1,2-Dibromo-3-chloropropane	0.15	U	1.5	U	0.15	U	1.5	U
1,2,4-Trichlorobenzene	0.20	U	1.5	U	0.20	U	1.5	U
Naphthalene	0.15	U	0.76	U	0.15	U	0.77	U
Hexachlorobutadiene	0.072	U	0.76	U	0.072	U	0.77	U

Notes:

Bold = compound detected in sample

Yellow = compounds of concern

µg/m³ = micrograms per cubic meter

ppbv = parts per billion by volume

Q = Qualifier

U = Constituent not detected above reporting limit given

V = The continuing calibration standard was outside (biased high) the specified limits for this compound

All samples analyzed by ALS Environmental of Simi Valley, CA

Gray shading indicates compound exceeds respective NYSDOH Indoor Air Guidance Value

NYSDOH = New York State Department of Health

NYSDOH Indoor Air Guidance Values in µg/m³ are:

Methylene Chloride - 60 TCE - 2

PCE - 30

Table 8 Indoor Air Sampling Analytical Results - April 2021 - Former Dover Electronics Site, Kirkwood, New York

Sample Location	Office Area #1				DUP-042221			
Sampling Date	4/22/2021				4/22/2021			
Laboratory Sample ID	P2102180-001				P2102180-002			
Units	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q
Volatile Organic Compounds								
Dichlorodifluoromethane (Freon 12)	**0.56**		**2.8**		**0.58**		**2.9**	
Chloromethane	0.38	U	0.79	U	0.46	U	0.95	U
Freon 114	0.11	U	0.79	U	0.14	U	0.95	U
Vinyl Chloride	0.32	U	0.81	U	0.38	U	0.97	U
1,3-Butadiene	0.36	U	0.79	U	0.43	U	0.95	U
Bromomethane	0.20	U	0.79	U	0.25	U	0.95	U
Chloroethane	0.30	U	0.79	U	0.36	U	0.95	U
Ethanol	**420**		**780**		**360**		**680**	
Acetonitrile	0.48	U	0.81	U	0.58	U	0.97	U
Acrolein	0.73	U	1.7	U	0.88	U	2.0	U
Acetone	**4.9**		**12**		**6.5**		**15**	
Trichlorofluoromethane (Freon 11)	**1.3**		**7.2**		**1.5**		**8.5**	
2-Propanol (Isopropyl Alcohol)	**12**		**29**		**13**		**31**	
Acrylonitrile	0.70	U	1.5	U	0.84	U	1.8	U
1,1-Dichloroethene	0.20	U	0.79	U	0.24	U	0.95	U
Methylene Chloride	0.23	U	0.79	U	0.27	U	0.95	U
3-Chloro-1-propene (Allyl Chloride)	0.25	U	0.79	U	0.30	U	0.95	U
Trichlorotrifluoroethane (Freon 113)	0.11	U	0.81	U	0.13	U	0.97	U
Carbon Disulfide	0.49	U	1.5	U	0.59	U	1.8	U
trans-1,2-Dichloroethene	0.20	U	0.81	U	0.24	U	0.97	U
1,1-Dichloroethane	0.20	U	0.82	U	0.24	U	0.99	U
Methyl tert-Butyl Ether	0.22	U	0.79	U	0.26	U	0.95	U
Vinyl Acetate	2.4	U	8.4	U	2.9	U	10	U
2-Butanone (MEK)	**0.71**		**2.1**		**0.91**		**2.7**	
cis-1,2-Dichloroethene	0.20	U	0.79	U	0.24	U	0.95	U
n-Hexane	**5.2**		**18**		0.27	U	0.95	U
Chloroform	0.17	U	0.81	U	0.20	U	0.97	U
1,2-Dichloroethane	0.20	U	0.79	U	0.24	U	0.95	U
1,1,1-Trichloroethane	0.14	U	0.79	U	0.17	U	0.95	U
Benzene	**1.9**		**6.2**		0.30	U	0.95	U
Carbon Tetrachloride	**0.069**		**0.43**		**0.038**		**0.24**	
1,2-Dichloropropane	0.17	U	0.79	U	0.21	U	0.95	U
Bromodichloromethane	0.12	U	0.79	U	0.14	U	0.95	U
Trichloroethene (TCE)	0.031	U	0.17	U	0.037	U	0.2	U
1,4-Dioxane	0.22	U	0.79	U	0.26	U	0.95	U
cis-1,3-Dichloropropene	0.18	U	0.81	U	0.21	U	0.97	U
4-Methyl-2-pentanone	0.37	U	1.5	U	0.45	U	1.8	U
trans-1,3-Dichloropropene	0.17	U	0.78	U	0.21	U	0.93	U
1,1,2-Trichloroethane	0.14	U	0.79	U	0.17	U	0.95	U
Toluene	**10**		**38**		**0.67**		**2.5**	
2-Hexanone	0.37	U	1.5	U	0.45	U	1.8	U
Dibromochloromethane	0.09	U	0.79	U	0.11	U	0.95	U
1,2-Dibromoethane	0.10	U	0.79	U	0.12	U	0.95	U
n-Butyl Acetate	0.32	U	1.5	U	0.39	U	1.80	U
Tetrachloroethene (PCE)	**0.16**		**1.1**		**0.19**		**1.3**	
Chlorobenzene	0.17	U	0.79	U	0.21	U	0.95	U
Ethylbenzene	**1.1**		**4.7**		0.22	U	0.95	U
m,p-Xylenes	**3.9**		**17**		0.42	U	1.8	U
Bromoform	0.078	U	0.81	U	0.094	U	0.97	U
Styrene	0.19	U	0.79	U	0.22	U	0.95	U
o-Xylene	**1.2**		**5.4**		0.22	U	0.97	U
n-Nonane	**0.24**		**1.3**		0.18	U	0.97	U
1,1,2,2-Tetrachloroethane	0.12	U	0.81	U	0.14	U	0.97	U
Cumene	0.16	U	0.79	U	0.19	U	0.95	U
alpha-Pinene	**0.31**		**1.7**		**0.32**		**1.8**	
4-Ethyltoluene	**0.26**		**1.3**		0.20	U	0.97	U
1,3,5-Trimethylbenzene	**0.21**		**1.0**		0.20	U	0.97	U
1,2,4-Trimethylbenzene	**0.75**		**3.7**		0.19	U	0.95	U
Benzyl Chloride	0.31	U	1.6	U	0.37	U	1.9	U
1,3-Dichlorobenzene	0.13	U	0.81	U	0.16	U	0.97	U
1,4-Dichlorobenzene	0.13	U	0.79	U	0.16	U	0.95	U
1,2-Dichlorobenzene	0.13	U	0.81	U	0.16	U	0.97	U
d-Limonene	**0.94**		**5.2**		**0.56**		**3.1**	
1,2-Dibromo-3-chloropropane	0.16	U	1.5	U	0.19	U	1.8	U
1,2,4-Trichlorobenzene	0.20	U	1.5	U	0.25	U	1.8	U
Naphthalene	0.15	U	0.79	U	0.18	U	0.95	U
Hexachlorobutadiene	0.074	U	0.79	U	0.089	U	0.95	U

Notes:

Bold = compound detected in sample

Yellow = compounds of concern

µg/m³ = micrograms per cubic meter

ppbv = parts per billion by volume

Q = Qualifier

U = Constituent not detected above reporting limit given

All samples analyzed by ALS Environmental of Simi Valley, CA

Gray shading indicates compound exceeds respective NYSDOH Indoor

NYSDOH = New York State Department of Health

NYSDOH Indoor Air Guidance Values in µg/m³ are:

Methylene Chloride - 60 TCE - 2

PCE - 30

Table 9 Historical Indoor Air Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sample Date	PCE µg/m³	TCE µg/m³	Cis-1,2-DCE µg/m³	Vinyl Chloride µg/m³
OFFICE AREA #1	Nov-98	61	-	-	-
	Dec-98	35	-	-	-
	Mar-99	58	-	-	-
	Feb-02	36	-	-	-
	Apr-02	68	-	-	-
	May-02	27	-	-	-
	Sep-02	60	1.3	-	-
	Aug-03	20	-	-	-
	Sep-03	52	-	-	-
	Jan-04	110	1.3	-	-
	Apr-04	79	-	-	-
	Sep-04	66	-	-	-
	Mar-05	51	-	-	-
	Sep-05	120	-	-	-
	Apr-06	47	0.2	-	-
	Sep-06	31	0.9	16	0.8
	Mar-07	8.3	-	-	-
	Aug-07	11	-	-	-
	Mar-08	4.1	-	-	-
	Dec-08	6.0	-	-	-
	Mar-09	3.9	0.24	-	-
	Oct-09	1.7	-	-	-
	Mar-10	2.6	-	-	-
	Mar-11	4.0	-	-	-
	Mar-12	2.8	-	-	-
	Mar-13	3.5	-	-	-
	Mar-14	1.6	-	-	-
	Mar-15	1.1	-	-	-
	Mar-16	0.93	-	-	-
	Mar-17	1.70	-	-	-
	Mar-18	0.84	-	-	-
	Mar-19	-	-	-	-
	Mar-20	1.4	-	-	-
	Mar-21	-	5.4	-	-
	Apr-21	1.1 (1.3)	- (-)	- (-)	- (-)
OFFICE AREA #2	Aug-03	28	-	-	-
	Sep-03	24	-	-	-
	Jan-04	87	-	-	-
	Apr-04	44	-	-	-
	Sep-04	41	-	-	-
	Mar-05	39	-	-	-
	Sep-05	120	-	-	-
	Apr-06	40	0.3	-	-
	Sep-06	24	0.2	-	-
	Mar-07	5.3	-	-	-
	Aug-07	2.9	0.1	-	-
	Mar-08	2.6	-	-	-
	Dec-08	4.9	0.3	-	-
	Mar-09	3.0	0.19	-	-
	Oct-09	1.2	-	-	-
	Mar-10	2.2	-	-	-
	Mar-11	3.0	-	-	-
	Mar-12	2.4	-	-	-
	Mar-13	1.6	-	-	-
	Mar-14	1.3	0.14	-	-
	Mar-15	1.1	-	-	-
	Mar-16	-	-	-	-
	Mar-17	-	-	-	-
	Mar-18	0.88	-	-	-
	Mar-19	-	-	-	-
	Mar-20	-	-	-	-
	Mar-21	1.9	-	-	-

See Notes on last page

Table 9 (Continued) Historical Indoor Air Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sample Date	PCE µg/m³	TCE µg/m³	Cis-1,2-DCE µg/m³	Vinyl Chloride µg/m³
CAFETERIA	Aug-03	17	-	-	-
	Sep-03	23	-	-	-
	Jan-04	110	1.7	3.5	-
	Apr-04	43	-	1.5	-
	Sep-04	27	-	-	-
	Mar-05	40	-	-	-
	Sep-05	120	-	-	-
	Apr-06	43	0.2	-	-
	Sep-06	27	0.7	3.3	-
	Mar-07	5.2	-	-	-
	Aug-07	8.6	-	-	-
	Mar-08	3.0	-	-	-
	Dec-08	5.1	-	-	-
	Mar-09	3.3	-	-	-
	Oct-09	1.9	-	-	-
	Mar-10	2.3	-	-	-
	Mar-11	3.7	-	-	-
	Mar-12	2.9	-	-	-
	Mar-13	1.8	0.33	-	-
	Mar-14	2.8	0.24	-	-
	Mar-15	1.5	-	-	-
	Mar-16	1.5	-	-	-
	Mar-17	1.6	-	-	-
	Mar-18	1.0	-	-	-
	Mar-19	2.3	-	-	-
	Mar-20	3.3	-	-	-
	Mar-21	2.5	0.23	-	-
ELECTRICAL ROOM/AREA	Nov-98	1,017	-	17.8	-
	Dec-98	678	-	9.5	-
	Mar-99	387	-	6.3	-
	Feb-02	186	4.4	6.1	-
	Apr-02	406	8.2	14.1	1.6
	May-02	165	1.9	4.8	-
	Sep-02	124	2.6	3.7	-
	Aug-03	64	-	-	-
	Sep-03	62	-	-	-
	Jan-04	75	-	-	-
	Apr-04	88	2.7	2.1	-
	Sep-04	70	-	-	-
	Mar-05	60	-	-	-
	Sep-05	110	-	1.5	-
	Apr-06	61	0.5	0.9	-
	Sep-06	84	0.6	1.2	-
	Mar-07	9.8	-	-	-
	Aug-07	14	0.2	-	-
	Mar-08	5.8	-	-	-
	Dec-08	6.7	-	-	-
	Mar-09	5.3	0.17	-	-
	Oct-09	5.0	-	-	-
	Mar-10	4.1	-	-	-
	Mar-11	6.0	-	-	-
	Mar-12	4.1	-	-	-
	Mar-13	3.8	-	-	-
	Mar-14	2.7	-	-	-
	Mar-15	12	-	-	-
	Mar-16	4.9	-	-	-
	Mar-17	12.0	-	-	-
	Mar-18	2.7	-	-	-
	Mar-19	1.1	-	-	-
	Mar-20	2.5	-	-	-
	Mar-21	2.8	0.25	-	-

See Notes on last page

Table 9 (Continued) Historical Indoor Air Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sample Date	PCE µg/m3	TCE µg/m3	Cis-1,2-DCE µg/m3	Vinyl Chloride µg/m3
A/C AREA	Nov-98	482	6.5	15.9	-
	Dec-98	244	3.6	7.5	-
	Mar-99	183	-	5.6	-
	Feb-02	165	4.9	8.1	-
	Apr-02	248	4.9	10.5	-
	May-02	138	2.1	5.2	-
	Sep-02	110	2.6	3.6	-
	Aug-03	94	-	1.4	-
	Sep-03	88	-	-	-
	Jan-04	85	1.7	3.6	-
	Apr-04	100	1.4	2.1	-
	Sep-04	62	-	-	-
	Mar-05	85	-	1.4	-
	Sep-05	11	-	-	-
	Apr-06	74	0.8	1.5	-
	Sep-06	76	0.6	2.1	-
	Mar-07	9.7	-	-	-
	Aug-07	14	0.3	-	-
	Mar-08	4.4	-	-	-
	Dec-08	5.3	-	-	-
	Mar-09	5.9	0.25	-	-
	Oct-09	4.1	-	-	-
	Mar-10	3.9	-	-	-
	Mar-11	5.9	-	-	-
	Mar-12	3.1	-	-	-
	Mar-13	2.9	-	-	-
	Mar-14	2.8	-	-	-
	Mar-15	9.9	0.71	-	-
	Mar-16	5.8	-	-	-
	Mar-17	11.0	-	-	-
	Mar-18	2.2	-	-	-
	Mar-19	2.4	-	-	-
	Mar-20	3.2	-	-	-
	Mar-21	2.3	0.34	-	-
HALLWAY	Aug-07	3.9	-	-	-
	Mar-08	-	-	-	-
	Dec-08	-	-	-	-
	Mar-09	1.7	-	-	-
	Oct-09	-	-	-	-
	Mar-10	1.2	-	-	-
	Mar-11	-	-	-	-
	Mar-12	1.0	-	-	-
	Mar-13	-	-	-	-
	Mar-14	-	-	-	-
	Mar-15	-	2.2	1.6	-
	Mar-16	-	-	-	-
	Mar-17	-	-	-	-
	Mar-18	-	-	-	-
	Mar-19	1.4	-	-	-
	Mar-21	3.1	-	-	-
	Mar-21	5.1	0.33	-	-

See Notes on last page

Table 9 (Continued) Historical Indoor Air Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sample Date	PCE µg/m³	TCE µg/m³	Cis-1,2-DCE µg/m³	Vinyl Chloride µg/m³
COMPUTER SERVICES/ SERVERS	Aug-07	46	-	-	-
	Mar-08	-	-	-	-
	Dec-08	34	0.2	-	-
	Mar-09	27	0.15	-	-
	Oct-09	5.4	-	-	-
	Mar-10	20	-	-	-
	Mar-11	10	0.37	-	-
	Mar-12	6.3	-	-	-
	Mar-13	4.1	-	-	-
	Mar-14	11	2	-	-
	Mar-15	110	-	-	-
	Jun-15	91	-	-	-
	Mar-16	13	-	-	-
	Mar-17	12	-	-	-
	Mar-18	2.2	-	-	-
	Mar-19	1.3	-	-	-
	Mar-20	3.9	-	-	-
	Mar-21	2.4	0.31	-	-
BACKGROUND	Nov-98	-	-	-	-
	Dec-98	-	-	-	-
	Mar-99	-	-	-	-
	Feb-02	-	-	-	-
	Apr-02	13	4	-	-
	May-02	-	-	-	-
	Sep-02	-	-	-	-
	Aug-03	-	-	-	-
	Sep-03	2.2	-	-	-
	Jan-04	-	-	-	-
	Apr-04	1.8	-	-	-
	Sep-04	-	-	-	-
	Mar-05	-	-	-	-
	Sep-05	-	-	-	-
	Apr-06	-	-	-	-
	Sep-06	-	-	-	-
	Mar-07	1.1	-	-	-
	Aug-07	1.0	-	-	-
	Mar-08	-	-	-	-
	Dec-08	-	-	-	-
	Mar-09	-	0.55	-	-
	Oct-09	-	-	-	-
	Mar-10	-	-	-	-
	Mar-11	-	-	-	-
	Mar-12	-	-	-	-
	Mar-13	-	-	-	-
	Mar-14	-	-	-	-
	Mar-15	-	-	-	-
	Mar-16	2.2	-	-	-
	Mar-17	-	-	-	-
	Mar-18	-	-	-	-
	Mar-19	-	-	-	-
	Mar-20	-	-	-	-
	Mar-21	-	-	-	-

Notes:

- = Non-detect

( ) = Indicates result is from a duplicate sample

µg/m³ = micrograms per cubic meter

NYSDOH = New York State Department of Health

NYSDOH Indoor Air Guidance Values in µg/m^3 are:

Methylene Chloride - 60

PCE - 100

TCE - 5

Gray shading indicates compound exceeds respective NYSDOH Indoor Air Guidance Value

Appendix A

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF & CJP

Weather: Cold, Cloudy/ Sunny/ Flurries, ~25*-45* F, Windy

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	1/19/2021	1/19/2021	1/20/2021	1/21/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
	Tank #	1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	10	5	15	5				**35**		
MW-16	75				135				**135**		
MW-24	25	15	5	15	5				**40**		
MW-25R	75		5						**5**		
MW-28	75		25	25					**50**		
MP-4	75	10	5	10	5				**30**		
MP-5	50	15	25	40	5				**85**		
MP-8S	25								**0**		
MP-11	50	10	5	15	5				**35**		
MP-12	25		75						**75**		
MP-14	25	15	25	40	5				**85**		
IJ-1	75	20	10	20	20				**70**	**12.63**	
IJ-2	25	45							**45**	**29.76**	
IJ-5	25		5	5					**10**		
IJ-6	25	15	10	15	15				**55**	**11.57**	
IJ-7	50	25							**25**	**17.56**	
IJ-8	50	20							**20**	**14.34**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**	**0**	**0**	**0**	**800**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF & CJP

Weather: Cold, Snowy, ~20*F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

		Date:	2/9/2021	2/10/2021	2/10/2021	2/11/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
		Tank #	1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)		Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50		10	10	5	10				**35**		
MW-16	75				160					**160**		
MW-24	25		20	15	5	15				**55**		
MW-25R	75			5						**5**		
MW-28	75									**0**		
MP-4	75		5	10	5	10				**30**		
MP-5	50		35	50	5	35				**125**		
MP-8S	25		--	--	--	--				**0**		Parked Over
MP-11	50		--	--	--	--				**0**		Under Snow
MP-12	25			20		55				**75**		
MP-14	25		30	50	5	35				**120**		
IJ-1	75		15	15	5	15				**50**	**11.25**	
IJ-2	25		40							**40**	**26.92**	
IJ-5	25			5		5				**10**		
IJ-6	25			20	10	20				**50**	**16.60**	
IJ-7	50		30							**30**	**19.43**	
IJ-8	50		15							**15**	**12.46**	
Total Injected Volume	**800**		**200**	**200**	**200**	**200**	**0**	**0**	**0**	**800**		

VERINA Consulting Group, LLC

Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002
Weather: Partly Sunny, coo/warm, ~35*-50*F, Breezy

Personnel: CF & CJP

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		3/9/2021	3/9/2021	3/10/2021	3/10/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
Tank #		1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	10	10	15	5				**40**		
MW-16	75				155				**155**		
MW-24	25	20	15	20	5				**60**		
MW-25R	75	5							**5**		
MW-28	75								**0**		
MP-4	75	5	10	10	5				**30**		
MP-5	50	25	40	50	5				**120**		
MP-8S	25								**0**		
MP-11	50	10	10	10					**30**		
MP-12	25		60	10					**70**		
MP-14	25	20	30	50	5				**105**		
IJ-1	75	15	10	15	10				**50**	**12.77**	
IJ-2	25	45							**45**	**28.60**	
IJ-5	25		5	5					**10**		
IJ-6	25	20	10	15	10				**55**	**12.14**	
IJ-7	50	10							**10**	**7.61**	
IJ-8	50	15							**15**	**9.21**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

VERINA Consulting Group, LLC

Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF & CJP

Weather: Clear Skies / Rain / Snowy, ~40*F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	4/20/2021	4/21/2021	4/22/2021	4/22/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
	Tank #	1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50		10	15	10						
MW-16	75	115									
MW-24	25		15	20	15						
MW-25R	75		5								
MW-28	75		15								
MP-4	75		5	10	5						
MP-5	50		30	50	40						
MP-8S	25										
MP-11	50		10	15	10						
MP-12	25		45		70						
MP-14	25		25	50	30						
IJ-1	75		15	15	10						
IJ-2	25	45									
IJ-5	25		5	5						**29.89**	
IJ-6	25		20	20	10						
IJ-7	50	15								**9.93**	
IJ-8	50	25								**17.85**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

VERINA Consulting Group, LLC

Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 51001.0002
Weather: 55°F, Sunny

Personnel: CJP, THO

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	5/18/2021	5/19/2021	5/19/2021	5/20/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
	Tank #	1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	40	10						**50**		Forgot water meter at offcie, improvised with tape measure for IJ-1, IJ-2, IJ-7, IJ-8
MW-16	75			75					**75**		
MW-24	25		20	5					**25**		
MW-25R	75		25						**25**		Only able to inject 25 gal, well full
MW-28	75								**0**		Unable to unject, well full
MP-4	75	50	10	5	10				**75**		
MP-5	50	35	15						**50**		
MP-8S	25								**0**		Unable to access, trucks on well, checked 2x
MP-11	50	25	10	15					**50**		
MP-12	25	25							**25**		
MP-14	25		5	20					**25**		
IJ-1	75	25	30	20					**75**		
IJ-2	25		25						**25**	**15.00**	
IJ-5	25		5	20					**25**	**30.00**	
IJ-6	25		25						**25**		
IJ-7	50		10	25	15				**50**	**8.00**	
IJ-8	50		35	15					**50**	**25.00**	
Total Injected Volume	**800**	**200**	**225**	**200**	**25**				**650**		

VERINA Consulting Group, LLC

Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 51001.0002

Personnel: CF, DAA, CJP

Weather: Rainy, ~58*F / Sunny warm ~65*F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		6/22/2021	6/22/2021	6/23/2021	6/23/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
Tank #		1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	10	15	10	5						
MW-16	75				145						
MW-24	25	20	5	15	5						
MW-25R	75			5							
MW-28	75			25	5						
MP-4	75	10	35	15	5						
MP-5	50	10	50	25	5						
MP-8S	25										
MP-11	50	10	30	5	5						
MP-12	25	10	10	40							
MP-14	25	10	35	25	5						
IJ-1	75	20	10	15	10					**13.10**	
IJ-2	25	40								**27.20**	
IJ-5	25	5		5							
IJ-6	25	15	10	15	10					**11.69**	
IJ-7	50	25								**16.68**	
IJ-8	50	15								**8.80**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

VERINA Consulting Group, LLC

Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 51001.0002
Weather: Partly Cloudy, Humid, 70-90F

Personnel: CF & MKS

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	7/20/2021	7/20/2021	7/21/2021	7/21/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
	Tank #	1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	15	25	20	15						
MW-16	75										Tree fell on well, Doesn't appear damaged, just inaccessable
MW-24	25	15	25	25	25						
MW-25R	75			5	5						
MW-28	75			25	25						
MP-4	75	10	15	15	15						
MP-5	50	35	50	25	25						
MP-8S	25										
MP-11	50	15	15	15	20						
MP-12	25	30	35	25	35						
MP-14	25	10	15	10	10						
IJ-1	75	15	10	15	10					**11.99**	
IJ-2	25	40			5					**26.14**	
IJ-5	25			5							
IJ-6	25	15	10	15	10					**10.08**	
IJ-7	50									**2.36**	
IJ-8	50									**2.17**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

VERINA Consulting Group, LLC

Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF & CJP

Weather: Rainy,Humid, Cloudy, ~70*-80*F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	8/17/2021	8/17/2021	8/18/2021	8/18/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
	Tank #	1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	10	20	15	5				**50**		
MW-16	75				155				**155**		
MW-24	25	20	15	15	5				**55**		
MW-25R	75		5						**5**		
MW-28	75		25						**25**		
MP-4	75	5	10	10					**25**		
MP-5	50	20	25	25	5				**75**		
MP-8S	25								**0**		
MP-11	50	10	20	20	5				**55**		
MP-12	25		30	55					**85**		
MP-14	25	20	25	25	5				**75**		
IJ-1	75	20	10	20	10				**60**	**12.64**	
IJ-2	25	40							**40**	**27.58**	
IJ-5	25		5						**5**		
IJ-6	25	15	10	15	10				**50**	**11.80**	
IJ-7	50	30							**30**	**19.86**	
IJ-8	50	10							**10**	**6.86**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

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Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002
Weather: Clear Skies, Cool/Cold, ~55*F

Personnel: CF & CJP

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		9/29/2021	9/29/2021	9/30/2021	9/30/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
Tank #		1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	10	15	10	5				**40**		
MW-16	75				150				**150**		
MW-24	25	15	15	15	5				**50**		
MW-25R	75			5	5				**10**		
MW-28	75			10	5				**15**		
MP-4	75	10	15	10	5				**40**		
MP-5	50	15	25	25	5				**70**		
MP-8S	25			10					**10**		
MP-11	50	10	15	10	5				**40**		
MP-12	25		65	30					**95**		
MP-14	25	15	30	30	5				**80**		
IJ-1	75	20	10	15	5				**50**	**12.96**	
IJ-2	25	45		5					**50**	**29.23**	
IJ-5	25	5							**5**		
IJ-6	25	15	10	15	5				**45**	**11.84**	
IJ-7	50	30		5					**35**	**20.47**	
IJ-8	50	10		5					**15**	**9.42**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

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Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002
Personnel: CF & MKS
Weather: Rainy/ Clear Skies, Cold/Warm, ~40-55*F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		10/26/2021	10/26/2021	10/27/2021	10/27/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
Tank #		1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	5	10	20	5				**40**		
MW-16	75				140				**140**		
MW-24	25	10	15	30	5				**60**		
MW-25R	75				5				**5**		
MW-28	75				15				**15**		
MP-4	75	5	10	30	5				**50**		
MP-5	50	10	35	50					**95**		
MP-8S	25								**0**		
MP-11	50	5	15	10	5				**35**		
MP-12	25	30	60						**90**		
MP-14	25	10	35	30					**75**		
IJ-1	75	15	10	10	10				**45**	**11.45**	
IJ-2	25	40							**40**	**27.75**	
IJ-5	25	5		5					**10**	**4.00**	
IJ-6	25	15	10	15					**40**	**10.06**	
IJ-7	50	35			5				**40**	**21.46**	
IJ-8	50	15			5				**20**	**11.67**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

VERINA Consulting Group, LLC

Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002
Weather: Sunny 40s

Personnel: MKS, CP

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	11/16/2021	11/16/2021	11/17/2021	11/17/2021				**Total Injected Volume (gal)**	**Water Level (ft)**	**Comments**
	Tank #	**1**	**2**	**3**	**4**	**5**	**6**	**7**			
Injection Well ID	**Target Volume (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**	**Volume Injected (gal)**			
MW-7A	50	10	10	20	5				**45**		
MW-16	75				125				**125**		
MW-24	25	10	15	25	10				**60**		
MW-25R	75								**0**		
MW-28	75			30					**30**		
MP-4	75	15	15	10					**40**		
MP-5	50	25	25	25	15				**90**		
MP-8S	25								**0**		
MP-11	50	10	15	20	10				**55**		
MP-12	25		75						**75**		
MP-14	25	15		25	20				**60**		
IJ-1	75	30	25	30	15				**100**		
IJ-2	25	35		5					**40**		
IJ-5	25		20						**20**		
IJ-6	25	20							**20**		
IJ-7	50	20		5					**25**		
IJ-8	50	10		5					**15**		
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

VERINA Consulting Group, LLC

Sch. 40 PVC conversion factors:
2" PVC = 0.171 gal/ft
4" PVC = 0.652 gal/ft
6" PVC = 1.484 gal/ft

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002
Weather: Partially cloudy 30-50 degrees

Personnel: MKS, CP

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		12/15/2021	12/15/2021	12/16/2021	12/16/2021				Total Injected Volume (gal)	Water Level (ft)	Comments
Tank #		1	2	3	4	5	6	7			
Injection Well ID	Target Volume (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)	Volume Injected (gal)			
MW-7A	50	10		15	5				**30**		
MW-16	75				130				**130**		
MW-24	25	15	10	15	5				**45**		
MW-25R	75	15		20					**35**		
MW-28	75		10						**10**		
MP-4	75	10	5	5	10				**30**		
MP-5	50	20	25	25	10				**80**		
MP-8S	25								**0**		
MP-11	50	10	10	10	5				**35**		
MP-12	25		75						**75**		
MP-14	25	15	5	25	20				**65**		
IJ-1	75	20	25	30	15				**90**		
IJ-2	25	42		8					**50**	**28.14**	
IJ-5	25	10		15					**25**	**6.32**	
IJ-6	25		25	15					**40**		
IJ-7	50	35		7					**42**	**22.98**	
IJ-8	50	8		10					**18**	**3.72**	
Total Injected Volume	**800**	**210**	**190**	**200**	**200**				**800**		

Appendix B

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-2	Date:	9/16/2021	
Field Personnel:	MKS	Weather:	70's, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	16.6	Depth to Water (ft btoc):	6.78
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/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1	Sample ID:	MW-2 091621
Final Depth to Water (ft btoc):	8.01	Sample Time:	13:55

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	
13:00	17.10	6.50	1.272	475.8	4.44	36.3	6.78	0.98	125	
13:05	17.47	6.53	1.270	439.7	2.07	34.0	7.01	0.90	125	
13:10	18.03	6.51	1.267	428.4	0.47	31.5	7.32	0.97	125	
13:15	17.72	6.60	1.271	391.3	0.38	27.5	7.65	0.97	125	
13:20	17.45	6.61	1.247	385.6	0.34	22.8	7.87	0.97	125	
13:25	17.46	6.64	1.246	363.6	0.27	16.3	7.93	0.98	125	
13:30	17.48	6.69	1.246	321.8	0.24	14.7	7.96	0.97	125	
13:35	17.41	6.74	1.242	220.4	0.18	8.01	7.98	0.97	125	
13:40	17.38	6.78	1.240	211.1	0.14	7.50	7.99	0.97	125	
13:45	17.32	6.78	1.241	209.9	0.12	7.48	7.99	0.97	125	
13:50	17.30	6.79	1.241	207.3	0.15	7.46	8.01	0.97	125	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-3	Date:	9/16/2021	
Field Personnel:	THO	Weather:	60s-70s, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.53	Depth to Water (ft btoc):	3.47
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/MnO_4 (mg/L):	0.4
Volume Purged (gal):	~3	Sample ID:	MW-3 09162021
Final Depth to Water (ft btoc):	3.52	Sample Time:	12:00

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
11:25	17.40	5.98	1.580	605.4	3.01	23.1	3.47	0.80	200	
11:30	16.68	5.56	1.769	683.7	2.64	10.01	3.48	0.90	200	
11:35	16.93	5.64	2.014	706.7	2.96	4.25	3.48	1.03	200	
11:40	16.89	5.67	2.034	708.7	3.00	4.24	3.49	1.04	200	
11:45	16.95	5.76	2.061	712.6	3.06	2.65	3.49	1.06	200	
11:50	16.98	5.79	2.085	717.6	3.03	2.47	3.49	1.07	200	
11:55	16.92	5.84	2.081	720.0	3.05	2.51	3.48	1.08	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-7A	Date:	9/16/2021	
Field Personnel:	MKS	Weather:	70's, Cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.42	Depth to Water (ft btoc):	6.14
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	7-17
Pump Used:	2" bladder	Depth of Pump (ft btoc):	12

POST-PURGE INFO:

Color:	Deep purple	Mn/MnO_4 (mg/L):	574
Volume Purged (gal):	1	Sample ID:	MW-7A 09162021
Final Depth to Water (ft btoc):	7.17	Sample Time:	11:50

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	
11:05	19.37	7.68	13.425	682.8	21.33	-	6.14	7.82	125	too dark to read turbidity
11:10	19.43	7.84	11.327	694.1	22.34	-	6.31	6.71	125	
11:15	19.7	8.14	9.000	701.3	24.91	-	6.55	4.95	125	
11:20	19.56	7.67	4.935	711.2	22.07	-	6.79	2.58	125	
11:25	19.57	7.57	3.911	710.5	21.31	-	6.83	2.05	125	
11:30	19.53	7.33	3.285	717.2	20.23	-	7.03	1.73	125	
11:35	19.61	7.28	3.295	719.3	17.76	-	7.07	1.73	125	
11:40	20.6	7.13	3.299	729.8	15.99	-	7.09	1.73	125	
11:45	20.64	7.11	3.1	730.2	16.08	-	7.14	1.78	125	
11:50	20.71	7.09	3.321	731.4	15.98	-	7.17	1.81	125	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-13	Date:	9/16/2021	
Field Personnel:	THO	Weather:	60s, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	49.31	Depth to Water (ft btoc):	32.79
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	39-49
Pump Used:	2" bladder	Depth of Pump (ft btoc):	45

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	3.5	Sample ID:	MW-13 09162021
Final Depth to Water (ft btoc):	39.98	Sample Time:	8:45

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	
8:05	15.54	7.14	0.367	266.7	2.77	5.15	31.22	0.18	200	
8:10	15.41	7.36	0.359	273.7	2.19	2.6	33.22	0.17	200	
8:15	15.35	7.43	0.354	270.3	2.15	2.10	35.20	0.17	200	
8:20	15.43	7.46	0.353	268.7	2.23	1.82	36.21	0.17	100	
8:25	15.59	7.50	0.353	264.8	2.11	1.86	37.6	0.17	100	
8:30	15.58	7.51	0.353	264.0	2.12	1.64	37.6	0.17	100	
8:35	15.59	7.51	0.353	263.9	2.11	1.73	37.5	0.17	100	
8:40	15.59	7.52	0.353	262.9	2.13	1.69	37.4	0.17	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-14	Date:	9/15/2021	
Field Personnel:	DAA	Weather:	70's, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	71.72	Depth to Water (ft btoc):	38.32
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	62-72
Pump Used:	2" bladder	Depth of Pump (ft btoc):	67

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	2.5	Sample ID:	MW-14 09152021
Final Depth to Water (ft btoc):	38.36	Sample Time:	8:30

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	
7:40	15.70	5.80	3.215	183.4	1.78	7.15	38.4	1.69	200	
7:45	15.35	5.78	3.356	177.3	0.70	5.66	38.4	1.77	200	
7:50	15.26	5.78	3.412	176.2	0.70	4.78	38.4	1.79	200	
7:55	15.13	5.76	3.493	173.0	0.52	4.01	38.4	1.85	200	
8:00	15.11	5.75	3.504	172.8	0.50	3.97	38.4	1.85	200	
8:05	15.1	5.75	3.509	171.2	0.48	3.43	38.4	1.85	200	
8:10	15.07	5.75	3.511	170.2	0.45	2.95	38.4	1.85	200	
8:15	15.06	5.74	3.512	169.1	0.45	2.13	38.4	1.86	200	
8:20	15.05	5.75	3.517	169.0	0.44	2.11	38.4	1.86	200	
8:25	15.05	5.75	3.516	169.0	0.44	1.97	38.4	1.86	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-16	Date:	9/16/2021	
Field Personnel:	MKS	Weather:	70s, Cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	30.68	Depth to Water (ft btoc):	10.89
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	18-28
Pump Used:	2" bladder	Depth of Pump (ft btoc):	23

POST-PURGE INFO:

Color:	Purple	Mn/MnO_4 (mg/L):	70
Volume Purged (gal):	~1	Sample ID:	MW-16 09162021
Final Depth to Water (ft btoc):	16.63	Sample Time:	10:10

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	
9:30	14.44	6.82	3.299	727.5	13.99	627	11.90	1.75	155	
9:35	14.58	6.78	3.414	731.6	13.86	-	11.93	1.81	155	too dark to read turbidity
9:40	14.52	6.75	3.465	736.0	13.78	-	13.82	1.83	125	
9:45	14.73	6.73	3.483	739.8	13.06	-	15.87	1.84	125	
9:50	14.72	6.72	3.484	740.2	12.96	-	15.96	1.84	125	
9:55	14.81	6.72	3.486	740.0	12.92	-	16.51	1.84	125	
10:00	14.86	6.72	3.492	741.2	12.95	-	16.57	1.85	125	
10:05	14.90	6.72	3.494	741.6	12.90	-	16.63	1.86	125	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-17	Date:	9/16/2021	
Field Personnel:	DAA	Weather:	Sunny/Cloudy, 70s	

PRE-PURGE INFO:

Well Depth (ft btoc):	20.27	Depth to Water (ft btoc):	9.33
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	8-18
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~13

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~2	Sample ID:	MW-17 09162021
Final Depth to Water (ft btoc):	9.75	Sample Time:	12:00

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
11:15	16.47	6.69	1.768	195.8	2.24	46.1	9.55	0.99	280	
11:20	16.49	6.63	1.765	194.9	2.24	20.0	9.63	0.91	280	
11:25	15.88	6.61	1.779	196.3	1.83	9.5	9.69	0.91	280	
11:30	15.22	6.52	1.790	198.8	1.40	9.8	9.66	0.91	280	
11:35	15.01	6.45	1.853	199.8	1.04	8.3	9.66	0.94	280	
11:40	14.75	6.41	1.904	200.8	0.88	5.0	9.67	0.98	280	
11:45	14.80	6.36	1.960	199.7	0.88	2.4	9.67	0.72	280	
11:50	14.86	6.35	1.974	197.0	0.86	2.4	9.67	1.02	280	
11:55	14.98	6.32	1.996	194.7	0.88	2.2	9.67	1.03	280	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1	
Monitoring Well:	MW-19	Date:	9/15/2021		
Field Personnel:	DAA	Weather:	80s, Sunny/Windy		

PRE-PURGE INFO:

Well Depth (ft btoc):	19.24	Depth to Water (ft btoc):	11.87
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	8-18
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~14

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~8	Sample ID:	MW-19-091521
Final Depth to Water (ft btoc):	12.46	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	
12:20	17.36	6.54	1.219	74.7	1.76	22.8	12.50	0.90	320	
12:25	17.49	6.44	1.330	85.5	5.30	13.4	12.50	0.89	280	
12:30	17.75	6.41	1.349	89.9	5.29	7.7	12.50	0.89	100	
12:35	17.98	6.39	1.398	93.9	5.11	5.23	12.50	0.89	100	
12:40	18.06	6.37	1.387	95.8	5.09	3.74	12.50	0.89	100	
12:45	18.18	6.37	1.378	97.6	4.97	3.36	12.51	0.89	100	
12:50	17.99	6.37	1.377	97.3	4.95	2.71	12.51	0.89	100	
12:55	17.90	6.37	1.377	98.3	4.92	2.69	12.51	0.89	100	
13:00	17.98	6.37	1.376	98.9	4.90	2.68	12.51	0.89	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-22	Date:	9/16/2021	
Field Personnel:	THO	Weather:	Cloudy, 70s	

PRE-PURGE INFO:

Well Depth (ft btoc):	21.67	Depth to Water (ft btoc):	3.68
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	17-22
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~20

POST-PURGE INFO:

Color:	Slightly Brown	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~3	Sample ID:	MW-22 09162021
Final Depth to Water (ft btoc):	14.39	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	14.65	7.82	0.519	10.1	2.01	29.0	3.68	0.25	400	
9:45	14.42	7.84	0.520	-11.7	0.92	20.0	6.84	0.25	240	
9:50	14.58	7.87	0.519	-25.3	0.65	15.5	7.46	0.25	240	
9:55	14.75	7.84	0.520	-27.9	0.33	8.26	69.73	0.25	240	
10:00	14.81	7.81	0.519	-32.5	0.25	7.67	10.67	0.25	240	
10:05	14.87	7.75	0.519	-23.6	0.21	5.89	11.89	0.25	240	
10:10	14.90	7.65	0.516	-23.1	0.24	4.86	13.02	0.25	120	
10:15	15.02	7.56	0.511	7.0	0.15	4.28	14.24	0.25	120	
10:20	15.03	7.54	0.511	7.5	0.13	4.29	14.34	0.25	120	
10:25	15.00	7.53	0.510	9.8	0.13	4.31	14.39	0.25	120	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-24	Date:	9/16/2021	
Field Personnel:	DAA	Weather:	60's-70's, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	42.57	Depth to Water (ft btoc):	34.07
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	35-45
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~40

POST-PURGE INFO:

Color:	Purple	Mn/MnO_4 (mg/L):	720
Volume Purged (gal):	~3	Sample ID:	MW-24 091720
Final Depth to Water (ft btoc):	34.11	Sample Time:	12:05

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	
7:50	17.57	8.16	NM	102.2	9.85	--	34.35	NM	200	too dark to read turbidity
7:55	13.50	9.08	12.42	606.3	18.10	--	34.35	8.80	200	
8:00	13.27	9.31	9.081	594.6	16.88	--	35.01	5.43	200	
8:05	12.88	9.59	5.067	577.4	15.57	--	35.60	2.78	200	
8:10	12.83	9.58	5.109	580.9	16.84	--	35.60	3.21	200	
8:15	12.92	9.48	6.230	593.5	19.09	--	35.60	3.64	200	
8:20	12.88	9.26	8.160	613.7	22.27	--	35.60	4.06	200	
8:25	12.91	9.20	8.230	618.2	22.70	--	35.60	5.01	200	
8:30	12.79	9.23	8.356	620.2	23.31	--	35.60	6.69	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-25R	Date:	9/17/2021	
Field Personnel:	THO	Weather:	80's, Sunny, Humid	

PRE-PURGE INFO:

Well Depth (ft btoc):	37.99	Depth to Water (ft btoc):	11.78
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	34-39
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~37

POST-PURGE INFO:

Color:	Brown	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~3	Sample ID:	MW-25R 09152021
Final Depth to Water (ft btoc):	11.89	Sample Time:	10:10

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	
9:25	17.78	7.29	3.826	312.5	4.26	158	11.87	2.03	300	
9:30	15.56	7.13	3.768	345.2	1.76	88.7	11.90	1.99	300	
9:35	15.46	7.03	3.476	350.9	1.48	53.8	11.90	1.83	300	
9:40	15.35	7.00	3.394	353.5	1.36	31.7	11.89	1.79	300	
9:45	15.33	6.95	3.296	358.8	0.99	26.1	11.89	1.73	300	
9:50	15.31	6.93	3.226	362.5	1.24	29.1	11.90	1.70	300	
9:55	15.34	6.91	3.167	365.4	1.49	28.6	11.88	1.66	300	
10:00	15.29	6.89	3.163	367.3	1.50	28.9	11.90	1.63	300	
10:05	15.31	6.87	3.164	368.1	1.56	27.9	11.89	1.66	300	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-26	Date:	9/16/2021	
Field Personnel:	DAA	Weather:	60s-70s, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	28.1	Depth to Water (ft btoc):	12.57
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	22.5-27.5
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~25

POST-PURGE INFO:

Color:	Light brown, cludy	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~4	Sample ID:	MW-26 09162021
Final Depth to Water (ft btoc):	12.46	Sample Time:	10:45

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	
9:45	13.81	6.66	0.738	432.1	1.89	215	12.80	0.41	280	
9:50	13.82	6.63	0.799	431.4	1.57	243	12.81	0.40	280	
9:55	13.65	6.46	1.007	422.3	1.08	287	12.73	0.48	280	
10:00	13.46	6.33	1.317	330.9	0.70	233	12.74	0.66	280	
10:05	13.38	6.32	1.459	243.3	0.69	109	12.74	0.74	280	
10:10	13.37	6.32	1.496	194.2	0.55	91.7	12.74	0.75	280	
10:15	13.38	6.31	1.499	134.4	0.44	82.9	12.74	0.75	280	
10:20	13.37	6.31	1.655	108.9	0.47	51.7	12.74	0.85	280	
10:25	13.35	6.32	1.696	68.6	0.46	31.5	12.74	0.89	280	
10:30	13.35	6.33	1.700	\66.7	0.44	28.8	12.74	0.9	280	
10:35	13.36	6.34	1.709	61.9	0.44	27.9	12.74	0.91	280	
10:40	13.38	6.35	1.71	60.8	0.40	26.3	12.74	0.92	280	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-27	Date:	9/15/2021	
Field Personnel:	THO	Weather:	70-80's,Cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	26.09	Depth to Water (ft btoc):	13.12
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	16.5-26.5
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~21

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~5	Sample ID:	MW-27 09152021
Final Depth to Water (ft btoc):	14.78	Sample Time:	11:45

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	
11:10	15.95	7.25	0.837	88.9	0.86	106	13.12	0.41	400	
11:15	15.11	7.39	1.066	8.1	0.45	26.8	14.72	0.54	200	
11:20	14.7	7.35	1.243	-29.0	0.20	26.1	14.78	1.80	200	
11:25	14.60	7.33	1.258	-32.6	1.00	20.4	14.78	0.63	200	
11:30	14.54	7.26	1.278	-37.6	0.08	16.6	14.79	0.64	200	
11:35	14.47	7.19	1.287	-38.6	0.06	16.2	14.79	0.65	200	
11:40	14.43	7.10	1.302	-36.0	0.04	16.50	14.78	0.66	200	
11:45	14.45	7.16	1.301	-34.1	0.02	16.1	14.78	0.66	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-28	Date:	9/15/2021	
Field Personnel:	DAA	Weather:	70s, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	24.24	Depth to Water (ft btoc):	0.5
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	15-25
Pump Used:	2" bladder	Depth of Pump (ft btoc):	20

POST-PURGE INFO:

Color:	Yellow	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~3	Sample ID:	MW-28 091521
Final Depth to Water (ft btoc):	17.21	Sample Time:	10:05

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	
9:15	18.52	7.39	0.700	-86.8	1.04	15.6	3.66	0.32	280	
9:20	18.44	7.43	0.650	-124.2	0.30	3.91	7.22	0.32	240	
9:25	18.45	7.42	0.623	-139.2	0.25	8.21	8.35	0.31	220	
9:30	18.38	7.48	0.565	-154.2	0.23	17.7	9.55	0.30	220	
9:35	18.49	7.56	0.509	-170.7	0.22	42.0	12.31	0.25	220	
9:40	18.52	7.59	0.486	-176.9	0.22	41.8	13.58	0.24	220	
9:45	19.18	7.68	0.440	-170.7	0.20	49.6	15.40	0.21	100	
9:50	19.60	7.67	0.434	-168.1	0.20	53.7	16.22	0.21	100	
9:55	20.02	7.66	0.431	-166.9	0.20	56.7	16.55	0.21	100	
10:00	20.03	7.66	0.431	-160.8	0.20	57.8	16.60	0.21	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-31	Date:	9/15/2021	
Field Personnel:	DAA	Weather:	70's, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	~21.48	Depth to Water (ft btoc):	11.15
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	13-23
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~18

POST-PURGE INFO:

Color:	Light brown	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~2.5	Sample ID:	MW-31 09152021
Final Depth to Water (ft btoc):	11.25	Sample Time:	11:45

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	
10:45	19.07	6.66	2.516	-6.8	1.15	36.5	11.28	1.37	160	
10:50	18.38	6.56	2.722	-12.6	0.53	19.8	11.28	1.42	160	
10:55	18.24	6.50	2.735	-12.9	0.43	11.0	11.28	1.42	160	
11:00	18.17	6.48	2.764	-10.2	0.36	7.83	11.28	1.44	160	
11:05	18.12	6.46	2.810	-5.8	0.34	7.64	11.29	1.47	160	
11:10	18.10	6.45	2.836	-2.3	0.33	5.35	11.29	1.48	160	
11:15	18.09	6.44	2.866	1.9	0.33	5.38	11.29	1.50	160	
11:20	18.04	6.44	2.875	3.9	0.32	4.32	11.29	1.50	160	
11:25	18.05	6.43	2.88	6.4	0.31	3.34	11.29	1.51	160	
11:30	18.04	6.43	2.895	7.5	0.31	2.41	11.29	1.51	160	
11:35	18.04	6.43	2.899	8.2	0.31	2.51	11.29	1.51	160	
11:40	18.05	6.43	2.899	9.4	0.30	2.59	11.29	1.51	160	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-32	Date:	9/14/2021	
Field Personnel:	DAA	Weather:	70's-80's, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	~23.54	Depth to Water (ft btoc):	11.8
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	15.1-25.1
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~20

POST-PURGE INFO:

Color:	Brown	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1.5	Sample ID:	MW-32 091421
Final Depth to Water (ft btoc):	14.9	Sample Time:	17:15

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
16:35	20.92	12.45	5.332	17.8	1.26	51.6	11.81	2.94	100	
16:40	20.47	12.70	5.901	1.8	0.87	53.3	12.50	3.16	100	
16:45	20.37	12.77	5.988	-4.6	0.81	45.6	13.11	3.26	100	
16:50	20.47	12.83	6.028	-10.4	0.80	37.1	13.50	3.29	100	
16:55	20.34	12.86	6.034	-14.9	0.79	36.9	13.91	3.29	100	
17:00	20.25	12.89	5.934	-18.5	0.55	72.2	13.90	3.23	100	
17:05	20.16	12.89	5.901	-18.6	0.56	75.7	13.91	3.22	100	
17:10	20.08	12.90	5.823	-19.6	0.57	74.6	13.90	3.18	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-35	Date:	9/14/2021	
Field Personnel:	THO	Weather:	70s-80s, Sunny W/Clouds	

PRE-PURGE INFO:

Well Depth (ft btoc):	~36.51	Depth to Water (ft btoc):	11.78
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	32-37
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~34

POST-PURGE INFO:

Color:	Brown	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~3	Sample ID:	MW-35 09142021
Final Depth to Water (ft btoc):	11.80	Sample Time:	17:20

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	
16:30	18.15	10.76	1.333	89.3	1.57	34.4	11.79	0.65	200	
16:35	16.63	8.56	0.920	202.7	0.36	30.1	11.79	0.45	200	
16:40	16.05	7.23	1.092	280.1	0.13	27.3	11.79	0.55	200	
16:45	16.00	6.93	1.322	295.7	0.08	29.0	11.80	0.67	200	
16:50	16.00	6.80	1.639	276.6	0.06	21.9	11.80	0.84	200	
16:55	15.91	6.74	1.749	275.6	0.07	21.4	11.79	0.89	200	
17:00	15.91	6.78	1.808	270.9	0.02	16.7	11.80	0.98	200	
17:05	15.90	6.76	1.809	282.7	0.04	14.2	11.79	0.98	200	
17:10	15.89	6.76	1.81	283.4	0.00	14.1	11.80	0.98	200	
17:15	15.90	6.76	1.811	281.2	0.00	14.2	11.80	0.98	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MW-38	Date:	9/16/2021	
Field Personnel:	MKS	Weather:	70's, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	23.92	Depth to Water (ft btoc):	5.02
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	20-25
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~23

POST-PURGE INFO:

Color:	Low turbidity	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~2	Sample ID:	MW-38 09162021
Final Depth to Water (ft btoc):	5.21	Sample Time	13:50

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	
13:05	22.18	87.27	0.018	170.6	7.55	12.3	5.02	1.01	125	
13:10	18.22	6.38	0.870	206.8	1.21	22.4	5.71	1.01	125	
13:15	13.03	5.93	1.988	224	0.64	47.8	6.03	1.01	125	
13:20	13.90	5.83	1.978	235.2	0.61	60.3	5.47	1.01	125	
13:25	14.15	5.82	1.180	240.7	0.57	49.6	5.31	1.02	125	
13:30	14.33	5.81	1.983	244.1	0.51	45.4	5.22	1.02	125	
13:35	14.23	5.80	1.984	247.3	0.51	35.1	5.22	1.02	125	
13:40	14.19	5.80	1.985	249.1	0.50	34.2	5.20	1.02	125	
13:45	14.22	5.80	1.983	252.3	0.50	33.0	5.21	1.02	125	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-3D	Date:	9/16/2021	
Field Personnel:	THO	Weather:	60'S-70's, Humid	

PRE-PURGE INFO:

Well Depth (ft btoc):	~73.19	Depth to Water (ft btoc):	35.55
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	46-56
Pump Used:	1" bladder	Depth of Pump (ft btoc):	~51

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~2	Sample ID:	MP-3D 091721
Final Depth to Water (ft btoc):	34.54	Sample Time:	9:05

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	
8:30	16.93	7.39	0.606	177.2	8.97	182	34.55	0.30	200	
8:35	16.94	7.42	0.605	177.9	8.92	107	34.56	0.30	200	
8:40	16.84	7.37	0.626	183.3	9.18	83.3	34.55	0.31	200	
8:45	16.29	7.41	0.631	158.2	9.22	63.6	34.56	0.31	200	
8:50	16.00	7.40	0.654	186.7	9.10	63.4	34.55	0.32	200	
8:55	16.12	7.39	0.666	188.6	9.04	63.0	34.55	0.33	200	
9:00	16.16	7.40	0.666	189.6	8.96	63.3	34.54	0.34	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-6S	Date:	9/16/2021	
Field Personnel:	MKS	Weather:	60's-70's Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	24.98	Depth to Water (ft btoc):	11.83
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	14-24
Pump Used:	1" bladder	Depth of Pump (ft btoc):	~19

POST-PURGE INFO:

Color:	Turbid/brown	Mn/MnO_4 (mg/L):	1.8
Volume Purged (gal):	~1	Sample ID:	MP-6S 091621
Final Depth to Water (ft btoc):	27.3	Sample Time:	18:10

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	
17:30	19.10	6.04	2.680	597.6	1.47	244	11.76	1.38	125	
17:35	18.93	6.07	2.681	616.3	1.25	187	11.75	1.39	125	
17:40	19.06	6.12	2.682	632.7	1.11	121	11.75	1.40	125	
17:45	19.10	6.18	2.685	655.5	1.07	96.9	11.76	1.40	125	
17:50	19.05	6.22	2.698	671.7	1.02	60.2	11.76	1.40	125	
17:55	19.03	6.25	2.687	678.1	0.99	38.4	11.76	1.40	125	
18:00	19.02	6.27	2.688	680.1	0.99	29.0	11.76	1.40	125	
18:05	18.96	6.28	2.690	683.4	0.99	28.2	11.76	1.40	125	
18:10	18.89	6.28	2.689	686.9	0.98	27.3	11.76	1.40	125	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-6D	Date:	9/16/2021	
Field Personnel:	DAA	Weather:	60s-70s, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	48.93	Depth to Water (ft btoc):	6.73
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	39-49
Pump Used:	1" bladder	Depth of Pump (ft btoc):	~44

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1	Sample ID:	MP-6D 091621
Final Depth to Water (ft btoc):	6.61	Sample Time:	15:50

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	
15:05	27.06	7.01	0.314	31.2	2.54	41.1	6.71	1.52	80	
15:10	25.68	7.00	0.309	23.5	1.76	40.0	6.71	1.50	80	
15:15	24.94	6.99	0.305	22.0	1.35	37.1	6.71	1.56	80	
15:20	23.96	6.97	0.302	20.0	0.90	35.2	6.61	1.58	80	
15:25	23.47	6.93	0.300	19.7	0.50	31.0	6.61	1.59	80	
15:30	23.3	6.91	0.299	19.2	0.39	28.1	6.61	1.62	80	
15:35	22.99	6.91	0.300	19.4	0.38	25.5	6.61	1.62	80	
15:40	22.89	6.90	0.300	19.0	0.38	25.1	6.61	1.62	80	
15:45	22.89	6.91	0.300	19.0	0.37	25.0	6.61	1.62	80	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-8S	Date:	9/16/2021	
Field Personnel:	THO	Weather:	60's-70's Humid	

PRE-PURGE INFO:

Well Depth (ft btoc):	23	Depth to Water (ft btoc):	12.2
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	13-23
Pump Used:	1" bladder	Depth of Pump (ft btoc):	~18

POST-PURGE INFO:

Color:	Clear/Brownish	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1	Sample ID:	MP-8S 09162021
Final Depth to Water (ft btoc):	12.21	Sample Time:	16:20

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	
15:30	26.43	7.16	0.003	516.7	6.44	90.1	12.20	0.00	100	
15:35	23.02	6.17	0.929	458.9	8.09	75.2	12.21	0.46	100	
15:40	22.81	6.20	1.819	455.0	7.49	69.9	12.21	0.93	100	
15:45	22.7	6.21	1.818	454.5	6.16	67.3	12.22	0.93	100	
15:50	22.76	6.22	1.841	454.3	5.71	54.8	12.21	0.94	100	
15:55	22.77	6.22	1.843	454.4	5.74	43.6	12.21	0.94	100	
16:00	22.56	6.22	1.847	454.4	5.71	43.1	12.20	0.95	100	
16:05	22.56	6.21	1.842	455.1	5.38	43.5	12.20	0.95	100	
16:10	22.55	6.22	1.848	455.3	5.30	43.6	12.20	0.96	100	
16:15	22.53	6.22	1.842	455.3	5.39	43.1	12.21	0.96	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-8D	Date:	9/17/2021	
Field Personnel:	THO	Weather:	60's, Humid	

PRE-PURGE INFO:

Well Depth (ft btoc):	~53.1	Depth to Water (ft btoc):	45.72
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	44-54
Pump Used:	1" bladder	Depth of Pump (ft btoc):	~49

POST-PURGE INFO:

Color:	Brown	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1	Sample ID:	MP-8D 09172021
Final Depth to Water (ft btoc):	45.73	Sample Time:	8:15

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
7:30	17.58	7.45	0.252	360.4	10.75	54.4	46.72	0.12	100	
7:35	17.19	7.45	0.251	361.4	11.13	43.9	45.53	0.12	100	
7:40	16.63	7.45	0.257	362.4	11.25	15.2	45.54	0.12	80	
7:45	16.17	7.46	0.273	363.1	11.43	9.90	45.54	0.12	80	
7:50	15.73	7.40	0.310	363.0	11.62	8.36	45.55	0.15	80	
7:55	15.46	7.52	0.313	361.7	11.79	8.24	45.56	0.15	80	
8:00	15.44	7.53	0.311	361.6	11.85	8.70	45.55	0.15	80	
8:05	15.45	7.53	0.312	361.5	11.82	8.80	45.56	0.16	80	
8:10	15.47	7.53	0.311	361.7	11.89	8.74	45.55	0.15	80	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-11	Date:	9/16/2021	
Field Personnel:	MKS	Weather:	60s-70s	

PRE-PURGE INFO:

Well Depth (ft btoc):	25	Depth to Water (ft btoc):	11.32
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	20-30
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~ 25

POST-PURGE INFO:

Color:	Deep purple	Mn/MnO_4 (mg/L):	2750
Volume Purged (gal):	~1	Sample ID:	MP-11 091621
Final Depth to Water (ft btoc):	12.15	Sample Time:	8:20

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	
7:40	15.71	6.98	20.15	729.1	19.2	--	11.32	12.05	120	too dark to read turbidity
7:45	16.07	7.03	19.75	734.6	17.35	--	11.53	11.81	120	
7:50	16.07	7.07	19.89	737.2	16.50	--	11.63	11.77	120	
7:55	15.86	7.09	19.8	741.3	15.82	--	11.79	11.85	120	
8:00	15.83	7.11	19.87	743.1	15.7	--	11.91	11.89	120	
8:05	15.77	7.10	19.91	743.2	15.49	--	12.03	11.93	120	
8:10	15.55	7.11	20.01	744.5	15.37	--	12.11	11.93	120	
8:15	15.43	7.11	20.08	747.4	15.09	--	12.15	12.03	120	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-12	Date:	9/15/2021	
Field Personnel:	MKS	Weather:	65, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	22	Depth to Water (ft btoc):	13.85
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	15-25
Pump Used:	2" bladder	Depth of Pump (ft btoc):	20

POST-PURGE INFO:

Color:	Deep purple	Mn/MnO_4 (mg/L):	600
Volume Purged (gal):	~1	Sample ID:	MP-12 09152021
Final Depth to Water (ft btoc):	13.97	Sample Time:	12:10

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	
11:20	17.59	7.43	32.77	699.7	43.47	--	13.87	20.19	120	too dark to read turbidity
11:25	17.49	7.21	27.34	709.4	40.32	--	13.91	17.31	120	
11:30	17.42	7.00	21.05	723.9	38.32	--	13.94	12.55	120	
11:35	17.34	6.93	18.71	731.2	32.81	--	13.98	9.92	120	
11:40	17.27	6.82	15.34	735.2	29.08	--	13.99	8.93	120	
11:45	17.27	6.81	15.03	730.3	28.59	--	13.96	8.76	120	
11:50	17.42	6.78	14.33	739.2	26.69	--	13.93	8.33	120	
11:55	17.65	6.78	13.80	740.7	25.26	--	13.97	7.98	120	
12:00	17.77	6.76	13.52	742.3	24.46	--	13.95	7.83	120	
12:05	17.71	6.72	13.31	744.8	23.87	--	13.95	7.68	120	
12:10	17.72	6.71	13.21	746.2	23.58	--	13.97	7.62	120	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-13	Date:	9/15/2021	
Field Personnel:	THO	Weather:	70s, Humid	

PRE-PURGE INFO:

Well Depth (ft btoc):	24.44	Depth to Water (ft btoc):	8.82
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	15-25
Pump Used:	2" bladder	Depth of Pump (ft btoc):	20

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~3	Sample ID:	MP-13 091521
Final Depth to Water (ft btoc):	15.01	Sample Time:	8:45

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	
7:55	17.64	6.95	1.423	399.6	1.47	56.3	8.92	0.72	200	
8:00	17.73	7.31	1.462	377.3	0.42	69.6	11.49	0.74	200	
8:05	17.97	7.39	1.422	370.0	0.37	44.8	12.23	0.72	200	
8:10	17.97	7.43	1.353	364.6	0.34	19.0	13.34	0.68	200	
8:15	17.98	7.45	1.303	362.3	0.41	12.9	13.98	0.65	200	
8:20	17.98	7.49	1.194	359.0	0.57	8.48	14.78	0.59	200	
8:25	17.97	7.52	1.078	356.0	0.87	7.98	17.97	0.53	150	
8:30	18.01	7.56	0.999	353.1	0.89	7.97	14.99	0.47	150	
8:35	18.00	7.53	0.999	353.5	0.86	7.99	15.01	0.48	150	
8:40	17.99	7.52	1.002	353.7	0.88	8.01	15.01	0.50	150	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002	Page 1 of 1
Monitoring Well:	MP-14	Date:	9/16/2021	
Field Personnel:	DAA	Weather:	70's, sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	19.75	Depth to Water (ft btoc):	6.8
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	15-25
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~16

POST-PURGE INFO:

Color:	Dark Brown/ Purple	Mn/MnO_4 (mg/L):	3
Volume Purged (gal):	~2.5	Sample ID:	MP-14 09162021
Final Depth to Water (ft btoc):	7.49	Sample Time:	14:25

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	
13:40	21.31	6.11	1.392	747.3	11.19	--	7.01	0.70	240	too dark to read turbidity
13:45	21.33	6.11	1.393	765.5	8.27	--	7.01	0.69	240	
13:50	19.63	6.04	1.383	767.8	6.99	--	7.01	0.70	240	
13:55	19.02	6.02	1.400	770.5	5.85	--	7.19	0.70	240	
14:00	18.62	6.01	1.413	773.3	5.14	--	7.19	0.71	240	
14:05	18.64	6.00	1.423	775.2	4.60	--	7.19	0.72	240	
14:10	18.60	6.00	.1.430	777.3	4.15	--	7.19	0.73	240	
14:15	18.59	5.99	1.432	780.3	4.11	--	7.19	0.75	240	
14:20	18.58	5.99	1.434	781.6	4.09	--	7.19	0.75	240	

Appendix C

September 27, 2021 Service Request No:R2109571

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

Laboratory Results for: Dover - Kirkwood

Dear Ms.MacCarter,

Enclosed are the results of the sample(s) submitted to our laboratory September 16, 2021
For your reference, these analyses have been assigned our service request number **R2109571.**

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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dba ALS Environmental

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Narrative Documents

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

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

Service Request: R2109571
Date Received: 09/16/2021

CASE NARRATIVE

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

Sample Receipt:

Eleven water samples were received for analysis at ALS Environmental on 09/16/2021. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, R2109571-006: Sample(s) required dilution due to the foaming nature of the matrix. The reporting limits are adjusted to reflect the dilution.
Method 8260C: Due to a laboratory error, the samples were not analyzed within the 7 day holding time. The data is flagged to indicate the holding time exceedance.

Approved by _____ Date 09/28/2021

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-35-091421			Lab ID: R2109571-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.42	J	0.23	1.0	ug/L	8260C

CLIENT ID: MP-13-091521			Lab ID: R2109571-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	0.36	J	0.20	1.0	ug/L	8260C

CLIENT ID: MW-28-091521			Lab ID: R2109571-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	1.5	J	1.0	5.0	ug/L	8260C
cis-1,2-Dichloroethene	4.1	J	1.2	5.0	ug/L	8260C

CLIENT ID: MW-25R-091521			Lab ID: R2109571-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	72		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	2.6		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	2.1		0.23	1.0	ug/L	8260C

CLIENT ID: MW-19-091521			Lab ID: R2109571-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	6.2		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	1.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	2.6		0.23	1.0	ug/L	8260C

Sample Receipt Information

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

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2109571-001	MW-32-091421	9/14/2021	1715
R2109571-002	MW-35-091421	9/14/2021	1720
R2109571-003	TB-091421	9/14/2021	0930
R2109571-004	MW-14-091521	9/15/2021	0830
R2109571-005	MP-13-091521	9/15/2021	0845
R2109571-006	MW-28-091521	9/15/2021	1005
R2109571-007	MW-25R-091521	9/15/2021	1005
R2109571-010	MP-12-091521	9/15/2021	1210
R2109571-011	MW-19-091521	9/15/2021	1305

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 060996

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

Project Name: Dover-Kirkwood	Project Number: 5101.0002
Project Manager: Sarah MacCarter	Report CC:
Company/Address: Verina Consulting Grp 1011 US Highway 22, Suite 302 Bridgewater, NJ 08807	
Phone #: 908-864-4400	Email: smaccarter@vcg-llc.com
Sampler's Signature:	Sampler's Printed Name:

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1H O

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs 8260 ○ 624 ○ CLP	GC/MS SVOAs 8270 ○ 625	GC VOAs 8021 ○ 601/602	PESTICIDES 8081 ○ 608	PCBs 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MW-32-091421		9/14/21	17:15	GW		X							
MW-35-091421		9/14/21	17:20	GW		X							
TB-091421		9/14/21	0930	GW		X							
MW-14-091521		9-15-21	0830	GW		X							
MP-13-091521		09-15-21	0845	GW		X							
MW-28-091521		09-15-21	1005	GW		X							
MW-25R-091521		9-15-21	1005	GW		X							
MW-31-091521		9/15/21	1145	GW		X							
MW-27-091521		9/15/21	1145	GW		X							
MP-12-091521		9/15/21	12:10	GW		X							Sodium thio. added
MP-19-091521		9/15/21	13:05	GW		X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ____

SPECIAL INSTRUCTIONS/COMMENTS

Metals

SSPL - PCE; TCE; cis-1,2-DCE; trans-1,2-DCE; 1,1-DCE; 1,1-DCA; 1,1,1-TCA; VC

MP-19 should be MW-19 as per sarah MacCarter EMail 9/21/21

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED: NY

TURNAROUND REQUIREMENTS

____ RUSH (SURCHARGES APPLY)

____ 1 day ____ 2 day ____ 3 day

____ 4 day ____ 5 day

X Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS

____ I. Results Only

X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

Edata X Yes ____ No

INVOICE INFORMATION

PO # 5101.0002

BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Sarah MacCarter	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: VCG	Firm: FedEx	Firm	Firm	Firm	
Date/Time: 9/15/21 1500	Date/Time: 9/16/21 0805	Date/Time	Date/Time	Date/Time	

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

R2109571 5
Verina Consulting Group, LLC
Dover - Kirkwood

R2109571 5
Verina Consulting Group, LLC
Dover - Kirkwood

Cooler Receipt and Preservation Check For

Project/Client Verina Folder Number

Cooler received on 9/16/21 by: C

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: 9/16/21 Time: 0813 ID: IR#7 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	4.1						
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: R-012 by C on 9/16/21 at 0820
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/20/21 Time: 08:28 by: KV

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. 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: 2583

Explain all Discrepancies/ Other Comments:

TB- 1vial

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: KE

PC Secondary Review: QMS 9/22/21 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2109571-001.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/24/2021	1228	In Lab / FNAEGLER	
		9/24/2021	1230	R-001-S10 / FNAEGLER	
R2109571-001.02					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-001.03					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-002.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/24/2021	1228	In Lab / FNAEGLER	
		9/24/2021	1230	R-001-S10 / FNAEGLER	
R2109571-002.02					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-002.03					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-003.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/24/2021	1228	In Lab / FNAEGLER	
		9/24/2021	1230	R-001-S10 / FNAEGLER	
R2109571-003.02					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-003.03					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-004.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/24/2021	1228	In Lab / FNAEGLER	
		9/24/2021	1230	R-001-S10 / FNAEGLER	
R2109571-004.02					

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-004.03					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-005.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/24/2021	1228	In Lab / FNAEGLER	
		9/24/2021	1230	R-001-S10 / FNAEGLER	
R2109571-005.02					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-005.03					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-006.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/24/2021	1228	In Lab / FNAEGLER	
		9/24/2021	1230	R-001-S10 / FNAEGLER	
R2109571-006.02					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-006.03					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-007.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/24/2021	1228	In Lab / FNAEGLER	
		9/24/2021	1230	R-001-S10 / FNAEGLER	
R2109571-007.02					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-007.03					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-008.01					

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/20/2021	0830	SMO / GESMERIAN	
		9/20/2021	0840	R-001 / GESMERIAN	
R2109571-008.02					
		9/20/2021	0830	SMO / GESMERIAN	
		9/20/2021	0840	R-001 / GESMERIAN	
R2109571-008.03					
		9/20/2021	0830	SMO / GESMERIAN	
		9/20/2021	0840	R-001 / GESMERIAN	
R2109571-009.01					
		9/20/2021	0830	SMO / GESMERIAN	
		9/20/2021	0840	R-001 / GESMERIAN	
R2109571-009.02					
		9/20/2021	0830	SMO / GESMERIAN	
		9/20/2021	0840	R-001 / GESMERIAN	
R2109571-009.03					
		9/20/2021	0830	SMO / GESMERIAN	
		9/20/2021	0840	R-001 / GESMERIAN	
R2109571-010.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/23/2021	1204	In Lab / FNAEGLER	
		9/23/2021	1207	R-001-S10 / FNAEGLER	
R2109571-010.02					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-010.03					
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-011.01					
	8260C				
		9/20/2021	0830	SMO / GESMERIAN	
		9/24/2021	1228	In Lab / FNAEGLER	
		9/24/2021	1230	R-001-S10 / FNAEGLER	
R2109571-011.02					

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/20/2021	0830	SMO / GESMERIAN	
R2109571-011.03					
		9/20/2021	0830	SMO / GESMERIAN	

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 ñNotesò 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 ñimmediateò 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 (Ó100% 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 Certifications[1]

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

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

ALS Laboratory Group

Acronyms

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

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood/5101.0002

Sample Name: MW-32-091421 **Date Collected:** 09/14/21
Lab Code: R2109571-001 **Date Received:** 09/16/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-35-091421 **Date Collected:** 09/14/21
Lab Code: R2109571-002 **Date Received:** 09/16/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: TB-091421 **Date Collected:** 09/14/21
Lab Code: R2109571-003 **Date Received:** 09/16/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-14-091521 **Date Collected:** 09/15/21
Lab Code: R2109571-004 **Date Received:** 09/16/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-13-091521 **Date Collected:** 09/15/21
Lab Code: R2109571-005 **Date Received:** 09/16/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002		

Sample Name:	MW-28-091521	**Date Collected:**	09/15/21
Lab Code:	R2109571-006	**Date Received:**	09/16/21
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	MW-25R-091521	**Date Collected:**	09/15/21
Lab Code:	R2109571-007	**Date Received:**	09/16/21
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	MP-12-091521	**Date Collected:**	09/15/21
Lab Code:	R2109571-010	**Date Received:**	09/16/21
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	MW-19-091521	**Date Collected:**	09/15/21
Lab Code:	R2109571-011	**Date Received:**	09/16/21
Sample Matrix:	Water		

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:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/14/21 17:15
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-32-091421	**Units:**	ug/L
Lab Code:	R2109571-001	**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	09/25/21 00:19	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 00:19	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 00:19	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 00:19	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 00:19	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 00:19	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 00:19	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 00:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/25/21 00:19	
Dibromofluoromethane	100	80 - 116	09/25/21 00:19	
Toluene-d8	101	87 - 121	09/25/21 00:19	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/14/21 17:20
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-35-091421	**Units:**	ug/L
Lab Code:	R2109571-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 00:40	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 00:40	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 00:40	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/25/21 00:40	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/25/21 00:40	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 00:40	
cis-1,2-Dichloroethene	**0.42**	**J**	1.0	0.23	1	09/25/21 00:40	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 00:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/25/21 00:40	
Dibromofluoromethane	101	80 - 116	09/25/21 00:40	
Toluene-d8	101	87 - 121	09/25/21 00:40	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/14/21 09:30
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	TB-091421	**Units:**	ug/L
Lab Code:	R2109571-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/24/21 23:57	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/21 23:57	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/21 23:57	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/21 23:57	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/21 23:57	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/21 23:57	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/21 23:57	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/21 23:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/24/21 23:57	
Dibromofluoromethane	103	80 - 116	09/24/21 23:57	
Toluene-d8	101	87 - 121	09/24/21 23:57	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 08:30
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-14-091521	**Units:**	ug/L
Lab Code:	R2109571-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 01:02	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 01:02	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 01:02	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 01:02	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 01:02	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 01:02	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 01:02	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 01:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/25/21 01:02	
Dibromofluoromethane	102	80 - 116	09/25/21 01:02	
Toluene-d8	101	87 - 121	09/25/21 01:02	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 08:45
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MP-13-091521	**Units:**	ug/L
Lab Code:	R2109571-005	**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	09/25/21 01:24	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 01:24	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 01:24	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/25/21 01:24	
Trichloroethene (TCE)	**0.36**	**J**	1.0	0.20	1	09/25/21 01:24	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 01:24	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/25/21 01:24	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 01:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 01:24	
Dibromofluoromethane	104	80 - 116	09/25/21 01:24	
Toluene-d8	104	87 - 121	09/25/21 01:24	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 10:05
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-28-091521	**Units:**	ug/L
Lab Code:	R2109571-006	**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)	5.0 U	5.0	1.0	5	09/25/21 01:46	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1.0	5	09/25/21 01:46	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1.0	5	09/25/21 01:46	
Tetrachloroethene (PCE)	5.0 U	5.0	1.1	5	09/25/21 01:46	
Trichloroethene (TCE)	**1.5 J**	5.0	1.0	5	09/25/21 01:46	
Vinyl Chloride	5.0 U	5.0	1.0	5	09/25/21 01:46	
cis-1,2-Dichloroethene	**4.1 J**	5.0	1.2	5	09/25/21 01:46	
trans-1,2-Dichloroethene	5.0 U	5.0	1.0	5	09/25/21 01:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 01:46	
Dibromofluoromethane	100	80 - 116	09/25/21 01:46	
Toluene-d8	103	87 - 121	09/25/21 01:46	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 10:05
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-25R-091521	**Units:**	ug/L
Lab Code:	R2109571-007	**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	09/25/21 02:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 02:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 02:08	
Tetrachloroethene (PCE)	**72**	1.0	0.21	1	09/25/21 02:08	
Trichloroethene (TCE)	**2.6**	1.0	0.20	1	09/25/21 02:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 02:08	
cis-1,2-Dichloroethene	**2.1**	1.0	0.23	1	09/25/21 02:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 02:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 02:08	
Dibromofluoromethane	106	80 - 116	09/25/21 02:08	
Toluene-d8	104	87 - 121	09/25/21 02:08	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 13:05
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-19-091521	**Units:**	ug/L
Lab Code:	R2109571-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 02:30	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 02:30	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 02:30	
Tetrachloroethene (PCE)	**6.2**	1.0	0.21	1	09/25/21 02:30	
Trichloroethene (TCE)	**1.9**	1.0	0.20	1	09/25/21 02:30	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 02:30	
cis-1,2-Dichloroethene	**2.6**	1.0	0.23	1	09/25/21 02:30	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 02:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/25/21 02:30	
Dibromofluoromethane	105	80 - 116	09/25/21 02:30	
Toluene-d8	105	87 - 121	09/25/21 02:30	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 12:10
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MP-12-091521	**Units:**	ug/L
Lab Code:	R2109571-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	10	2.0	10	09/23/21 16:50	*
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/23/21 16:50	*
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/23/21 16:50	*
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/23/21 16:50	*
Trichloroethene (TCE)	10 U	10	2.0	10	09/23/21 16:50	*
Vinyl Chloride	10 U	10	2.0	10	09/23/21 16:50	*
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/23/21 16:50	*
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/23/21 16:50	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/23/21 16:50	
Dibromofluoromethane	96	80 - 116	09/23/21 16:50	
Toluene-d8	99	87 - 121	09/23/21 16:50	

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
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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:** R2109571
Project: Dover - Kirkwood/5101.0002
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
MW-32-091421	R2109571-001	95	100	101
MW-35-091421	R2109571-002	94	101	101
TB-091421	R2109571-003	96	103	101
MW-14-091521	R2109571-004	96	102	101
MP-13-091521	R2109571-005	99	104	104
MW-28-091521	R2109571-006	99	100	103
MW-25R-091521	R2109571-007	99	106	104
MW-19-091521	R2109571-011	100	105	105
Method Blank	RQ2111907-05	96	99	102
Lab Control Sample	RQ2111907-03	102	104	103
Duplicate Lab Control Sample	RQ2111907-04	102	106	104

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/24/21 23:35
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ2111907-05	**File ID:**	I:\ACQUDATA\msvoa10\data\092421\T9038.D\
Analysis Method:	8260C	**Analysis Lot:**	739946
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2111907-03	I:\ACQUDATA\msvoa10\data\092421\T9034.D\	09/24/21 22:07
Duplicate Lab Control Sample	RQ2111907-04	I:\ACQUDATA\msvoa10\data\092421\T9035.D\	09/24/21 22:29
TB-091421	R2109571-003	I:\ACQUDATA\msvoa10\data\092421\T9039.D\	09/24/21 23:57
MW-32-091421	R2109571-001	I:\ACQUDATA\msvoa10\data\092421\T9040.D\	09/25/21 00:19
MW-35-091421	R2109571-002	I:\ACQUDATA\msvoa10\data\092421\T9041.D\	09/25/21 00:40
MW-14-091521	R2109571-004	I:\ACQUDATA\msvoa10\data\092421\T9042.D\	09/25/21 01:02
MP-13-091521	R2109571-005	I:\ACQUDATA\msvoa10\data\092421\T9043.D\	09/25/21 01:24
MW-28-091521	R2109571-006	I:\ACQUDATA\msvoa10\data\092421\T9044.D\	09/25/21 01:46
MW-25R-091521	R2109571-007	I:\ACQUDATA\msvoa10\data\092421\T9045.D\	09/25/21 02:08
MW-19-091521	R2109571-011	I:\ACQUDATA\msvoa10\data\092421\T9046.D\	09/25/21 02:30

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2111907-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/24/21 23:35	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/21 23:35	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/21 23:35	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/21 23:35	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/21 23:35	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/21 23:35	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/21 23:35	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/21 23:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/24/21 23:35	
Dibromofluoromethane	99	80 - 116	09/24/21 23:35	
Toluene-d8	102	87 - 121	09/24/21 23:35	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/24/21 22:07
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2111907-03
Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\092421\T9034.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 739946

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	RQ2111907-04	I:\ACQUDATA\msvoa10\data\092421\T9035.D\	09/24/21 22:29
Method Blank	RQ2111907-05	I:\ACQUDATA\msvoa10\data\092421\T9038.D\	09/24/21 23:35
TB-091421	R2109571-003	I:\ACQUDATA\msvoa10\data\092421\T9039.D\	09/24/21 23:57
MW-32-091421	R2109571-001	I:\ACQUDATA\msvoa10\data\092421\T9040.D\	09/25/21 00:19
MW-35-091421	R2109571-002	I:\ACQUDATA\msvoa10\data\092421\T9041.D\	09/25/21 00:40
MW-14-091521	R2109571-004	I:\ACQUDATA\msvoa10\data\092421\T9042.D\	09/25/21 01:02
MP-13-091521	R2109571-005	I:\ACQUDATA\msvoa10\data\092421\T9043.D\	09/25/21 01:24
MW-28-091521	R2109571-006	I:\ACQUDATA\msvoa10\data\092421\T9044.D\	09/25/21 01:46
MW-25R-091521	R2109571-007	I:\ACQUDATA\msvoa10\data\092421\T9045.D\	09/25/21 02:08
MW-19-091521	R2109571-011	I:\ACQUDATA\msvoa10\data\092421\T9046.D\	09/25/21 02:30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood/5101.0002
Sample Matrix: Water

Service Request: R2109571
Date Analyzed: 09/24/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2111907-03			RQ2111907-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	8260C	20.5	20.0	103	19.2	20.0	96	75-125	7	30
1,1-Dichloroethane (1,1-DCA)	8260C	21.9	20.0	109	20.1	20.0	100	80-124	8	30
1,1-Dichloroethene (1,1-DCE)	8260C	21.7	20.0	108	19.9	20.0	99	71-118	9	30
Tetrachloroethene (PCE)	8260C	21.1	20.0	105	19.3	20.0	97	72-125	8	30
Trichloroethene (TCE)	8260C	20.6	20.0	103	19.3	20.0	96	74-122	7	30
Vinyl Chloride	8260C	23.1	20.0	115	21.2	20.0	106	74-159	8	30
cis-1,2-Dichloroethene	8260C	22.3	20.0	112	20.3	20.0	102	80-121	9	30
trans-1,2-Dichloroethene	8260C	21.6	20.0	108	20.4	20.0	102	73-118	6	30

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/21 21:24

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\092421\T9032.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 739946

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.22	36523	Pass
75	95	30	60	54.08	93072	Pass
95	95	100	100	100.00	172115	Pass
96	95	5	9	6.34	10919	Pass
173	174	0	2	1.78	2312	Pass
174	95	50	120	75.43	129827	Pass
175	174	5	9	8.70	11299	Pass
176	174	95	101	96.40	125147	Pass
177	176	5	9	7.22	9040	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2111907-02	I:\ACQUDATA\msvoa10\data\092421\T9033.D\	09/24/21 21:46	
Lab Control Sample	RQ2111907-03	I:\ACQUDATA\msvoa10\data\092421\T9034.D\	09/24/21 22:07	
Duplicate Lab Control Sample	RQ2111907-04	I:\ACQUDATA\msvoa10\data\092421\T9035.D\	09/24/21 22:29	
Method Blank	RQ2111907-05	I:\ACQUDATA\msvoa10\data\092421\T9038.D\	09/24/21 23:35	
TB-091421	R2109571-003	I:\ACQUDATA\msvoa10\data\092421\T9039.D\	09/24/21 23:57	
MW-32-091421	R2109571-001	I:\ACQUDATA\msvoa10\data\092421\T9040.D\	09/25/21 00:19	
MW-35-091421	R2109571-002	I:\ACQUDATA\msvoa10\data\092421\T9041.D\	09/25/21 00:40	
MW-14-091521	R2109571-004	I:\ACQUDATA\msvoa10\data\092421\T9042.D\	09/25/21 01:02	
MP-13-091521	R2109571-005	I:\ACQUDATA\msvoa10\data\092421\T9043.D\	09/25/21 01:24	
MW-28-091521	R2109571-006	I:\ACQUDATA\msvoa10\data\092421\T9044.D\	09/25/21 01:46	
MW-25R-091521	R2109571-007	I:\ACQUDATA\msvoa10\data\092421\T9045.D\	09/25/21 02:08	
MW-19-091521	R2109571-011	I:\ACQUDATA\msvoa10\data\092421\T9046.D\	09/25/21 02:30	

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/21 21:46

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

File ID: I:\ACQUDATA\msvoa10\data\092421\T9033.D\ **Lab Code:**RQ2111907-02
Instrument ID: R-MS-10 **Analysis Lot:**739946
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	290,254	11.86	553,996	6.50	513,532	9.81
	Upper Limit ==>	580,508	12.03	1,107,992	6.67	1,027,064	9.98
	Lower Limit ==>	145,127	11.69	276,998	6.33	256,766	9.64
Associated Analyses							
Lab Control Sample	RQ2111907-03	261484	11.86	555110	6.50	506138	9.81
Duplicate Lab Control Sample	RQ2111907-04	255074	11.86	545345	6.50	498715	9.81

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/21 21:46

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

File ID: I:\ACQUDATA\msvoa10\data\092421\T9033.D\ **Lab Code:**RQ2111907-02
Instrument ID: R-MS-10 **Analysis Lot:**739946
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	339,169	5.40
	Upper Limit ==>	678,338	5.57
	Lower Limit ==>	169,585	5.23
Associated Analyses			
Lab Control Sample	RQ2111907-03	343855	5.40
Duplicate Lab Control Sample	RQ2111907-04	337079	5.40

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/21 21:46

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

File ID: I:\ACQUDATA\msvoa10\data\092421\T9033.D\ **Lab Code:**RQ2111907-02
Instrument ID: R-MS-10 **Analysis Lot:**739946
Analysis Method: 8260C **Signal ID:**

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	290,254	11.86	553,996	6.50	513,532	9.81
	Upper Limit ==>	580,508	12.03	1,107,992	6.67	1,027,064	9.98
	Lower Limit ==>	145,127	11.69	276,998	6.33	256,766	9.64
Associated Analyses							
Method Blank	RQ2111907-05	229819	11.86	533654	6.50	487065	9.81
TB-091421	R2109571-003	232065	11.86	541516	6.49	496577	9.81
MW-32-091421	R2109571-001	224098	11.86	517042	6.50	461040	9.81
MW-35-091421	R2109571-002	227717	11.86	525062	6.50	480836	9.81
MW-14-091521	R2109571-004	225750	11.86	532769	6.50	484616	9.81
MP-13-091521	R2109571-005	226507	11.86	528301	6.50	491020	9.81
MW-28-091521	R2109571-006	231646	11.86	523270	6.50	475349	9.81
MW-25R-091521	R2109571-007	228423	11.86	524285	6.50	480171	9.81
MW-19-091521	R2109571-011	217343	11.86	515444	6.50	467110	9.81

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/21 21:46

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

File ID: I:\ACQUDATA\msvoa10\data\092421\T9033.D\ **Lab Code:**RQ2111907-02
Instrument ID: R-MS-10 **Analysis Lot:**739946
Analysis Method: 8260C **Signal ID:**

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	339,169	5.40
	Upper Limit ==>	678,338	5.57
	Lower Limit ==>	169,585	5.23
Associated Analyses			
Method Blank	RQ2111907-05	333094	5.40
TB-091421	R2109571-003	342784	5.40
MW-32-091421	R2109571-001	316478	5.40
MW-35-091421	R2109571-002	326338	5.41
MW-14-091521	R2109571-004	323872	5.40
MP-13-091521	R2109571-005	323003	5.40
MW-28-091521	R2109571-006	326288	5.40
MW-25R-091521	R2109571-007	330700	5.40
MW-19-091521	R2109571-011	315049	5.40

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood/5101.0002
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
MP-12-091521	R2109571-010	93	96	99
Method Blank	RQ2111832-06	93	103	101
Lab Control Sample	RQ2111832-03	99	106	103

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/23/21 13:23
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ2111832-06	**File ID:**	I:\ACQUDATA\msvoa10\data\092321\T8948.D\
Analysis Method:	8260C	**Analysis Lot:**	739766
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2111832-03	I:\ACQUDATA\msvoa10\data\092321\T8945.D\	09/23/21 12:00
MP-12-091521	R2109571-010	I:\ACQUDATA\msvoa10\data\092321\T8957.D\	09/23/21 16:50

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2111832-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/23/21 13:23	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/21 13:23	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/21 13:23	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/21 13:23	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/21 13:23	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/21 13:23	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/21 13:23	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/21 13:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/23/21 13:23	
Dibromofluoromethane	103	80 - 116	09/23/21 13:23	
Toluene-d8	101	87 - 121	09/23/21 13:23	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/23/21 12:00
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-10
Lab Code:	RQ2111832-03	**File ID:**	I:\ACQUDATA\msvoa10\data\092321\T8945.D\
Analysis Method:	8260C	**Analysis Lot:**	739766
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2111832-06	I:\ACQUDATA\msvoa10\data\092321\T8948.D\	09/23/21 13:23
MP-12-091521	R2109571-010	I:\ACQUDATA\msvoa10\data\092321\T8957.D\	09/23/21 16:50

Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood/5101.0002
Sample Matrix: Water

Service Request: R2109571
Date Analyzed: 09/23/21

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2111832-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.3	20.0	102	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	21.7	20.0	108	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.6	20.0	108	71-118
Tetrachloroethene (PCE)	8260C	21.1	20.0	106	72-125
Trichloroethene (TCE)	8260C	20.7	20.0	103	74-122
Vinyl Chloride	8260C	23.3	20.0	117	74-159
cis-1,2-Dichloroethene	8260C	22.0	20.0	110	80-121
trans-1,2-Dichloroethene	8260C	21.2	20.0	106	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 10:51

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092321\T8943.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 739766

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.71	34757	Pass
75	95	30	60	57.27	91704	Pass
95	95	100	100	100.00	160128	Pass
96	95	5	9	6.11	9782	Pass
173	174	0	2	1.99	2487	Pass
174	95	50	120	77.85	124664	Pass
175	174	5	9	7.24	9031	Pass
176	174	95	101	96.01	119696	Pass
177	176	5	9	5.70	6818	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2111832-02	I:\ACQUDATA\msvoa10\data\092321\T8944.D\	09/23/21 11:24	
Lab Control Sample	RQ2111832-03	I:\ACQUDATA\msvoa10\data\092321\T8945.D\	09/23/21 12:00	
Method Blank	RQ2111832-06	I:\ACQUDATA\msvoa10\data\092321\T8948.D\	09/23/21 13:23	
MP-12-091521	R2109571-010	I:\ACQUDATA\msvoa10\data\092321\T8957.D\	09/23/21 16:50	

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 11:24

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

File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\ **Lab Code:**RQ2111832-02
Instrument ID: R-MS-10 **Analysis Lot:**739766
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	286,494	11.86	532,208	6.50	498,205	9.81
	Upper Limit ==>	572,988	12.03	1,064,416	6.67	996,410	9.98
	Lower Limit ==>	143,247	11.69	266,104	6.33	249,103	9.64
Associated Analyses							
Lab Control Sample	RQ2111832-03	263344	11.86	559421	6.50	511234	9.81

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 11:24

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

File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\ **Lab Code:**RQ2111832-02
Instrument ID: R-MS-10 **Analysis Lot:**739766
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	325,327	5.40
	Upper Limit ==>	650,654	5.57
	Lower Limit ==>	162,664	5.23
Associated Analyses			
Lab Control Sample	RQ2111832-03	344546	5.40

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 11:24

Internal Standard Area and RT SUMMARY

Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\ **Lab Code:**RQ2111832-02
Instrument ID: R-MS-10 **Analysis Lot:**739766
Analysis Method: 8260C **Signal ID:**

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	286,494	11.86	532,208	6.50	498,205	9.81
	Upper Limit ==>	572,988	12.03	1,064,416	6.67	996,410	9.98
	Lower Limit ==>	143,247	11.69	266,104	6.33	249,103	9.64
Associated Analyses							
Method Blank	RQ2111832-06	237412	11.86	532478	6.50	492458	9.81
MP-12-091521	R2109571-010	237536	11.86	536215	6.50	477581	9.81

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 11:24

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

File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\ **Lab Code:**RQ2111832-02
Instrument ID: R-MS-10 **Analysis Lot:**739766
Analysis Method: 8260C **Signal ID:**

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	325,327	5.40
	Upper Limit ==>	650,654	5.57
	Lower Limit ==>	162,664	5.23
Associated Analyses			
Method Blank	RQ2111832-06	329109	5.40
MP-12-091521	R2109571-010	331933	5.40

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:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/14/21 17:15
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-32-091421	**Units:**	ug/L
Lab Code:	R2109571-001	**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	09/25/21 00:19	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 00:19	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 00:19	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 00:19	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 00:19	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 00:19	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 00:19	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 00:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/25/21 00:19	
Dibromofluoromethane	100	80 - 116	09/25/21 00:19	
Toluene-d8	101	87 - 121	09/25/21 00:19	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/14/21 17:20
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-35-091421	**Units:**	ug/L
Lab Code:	R2109571-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 00:40	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 00:40	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 00:40	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/25/21 00:40	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/25/21 00:40	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 00:40	
cis-1,2-Dichloroethene	**0.42**	**J**	1.0	0.23	1	09/25/21 00:40	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 00:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/25/21 00:40	
Dibromofluoromethane	101	80 - 116	09/25/21 00:40	
Toluene-d8	101	87 - 121	09/25/21 00:40	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/14/21 09:30
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	TB-091421	**Units:**	ug/L
Lab Code:	R2109571-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/24/21 23:57	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/21 23:57	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/21 23:57	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/21 23:57	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/21 23:57	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/21 23:57	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/21 23:57	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/21 23:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/24/21 23:57	
Dibromofluoromethane	103	80 - 116	09/24/21 23:57	
Toluene-d8	101	87 - 121	09/24/21 23:57	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 08:30
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-14-091521	**Units:**	ug/L
Lab Code:	R2109571-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 01:02	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 01:02	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 01:02	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 01:02	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 01:02	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 01:02	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 01:02	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 01:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/25/21 01:02	
Dibromofluoromethane	102	80 - 116	09/25/21 01:02	
Toluene-d8	101	87 - 121	09/25/21 01:02	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 08:45
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MP-13-091521	**Units:**	ug/L
Lab Code:	R2109571-005	**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	09/25/21 01:24	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 01:24	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 01:24	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 01:24	
Trichloroethene (TCE)	**0.36 J**	1.0	0.20	1	09/25/21 01:24	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 01:24	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 01:24	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 01:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 01:24	
Dibromofluoromethane	104	80 - 116	09/25/21 01:24	
Toluene-d8	104	87 - 121	09/25/21 01:24	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 10:05
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-28-091521	**Units:**	ug/L
Lab Code:	R2109571-006	**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)	5.0 U	5.0	1.0	5	09/25/21 01:46	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1.0	5	09/25/21 01:46	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1.0	5	09/25/21 01:46	
Tetrachloroethene (PCE)	5.0 U	5.0	1.1	5	09/25/21 01:46	
Trichloroethene (TCE)	**1.5 J**	5.0	1.0	5	09/25/21 01:46	
Vinyl Chloride	5.0 U	5.0	1.0	5	09/25/21 01:46	
cis-1,2-Dichloroethene	**4.1 J**	5.0	1.2	5	09/25/21 01:46	
trans-1,2-Dichloroethene	5.0 U	5.0	1.0	5	09/25/21 01:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 01:46	
Dibromofluoromethane	100	80 - 116	09/25/21 01:46	
Toluene-d8	103	87 - 121	09/25/21 01:46	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 10:05
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-25R-091521	**Units:**	ug/L
Lab Code:	R2109571-007	**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	09/25/21 02:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 02:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 02:08	
Tetrachloroethene (PCE)	**72**	1.0	0.21	1	09/25/21 02:08	
Trichloroethene (TCE)	**2.6**	1.0	0.20	1	09/25/21 02:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 02:08	
cis-1,2-Dichloroethene	**2.1**	1.0	0.23	1	09/25/21 02:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 02:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 02:08	
Dibromofluoromethane	106	80 - 116	09/25/21 02:08	
Toluene-d8	104	87 - 121	09/25/21 02:08	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 13:05
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MW-19-091521	**Units:**	ug/L
Lab Code:	R2109571-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 02:30	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 02:30	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 02:30	
Tetrachloroethene (PCE)	**6.2**	1.0	0.21	1	09/25/21 02:30	
Trichloroethene (TCE)	**1.9**	1.0	0.20	1	09/25/21 02:30	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 02:30	
cis-1,2-Dichloroethene	**2.6**	1.0	0.23	1	09/25/21 02:30	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 02:30	

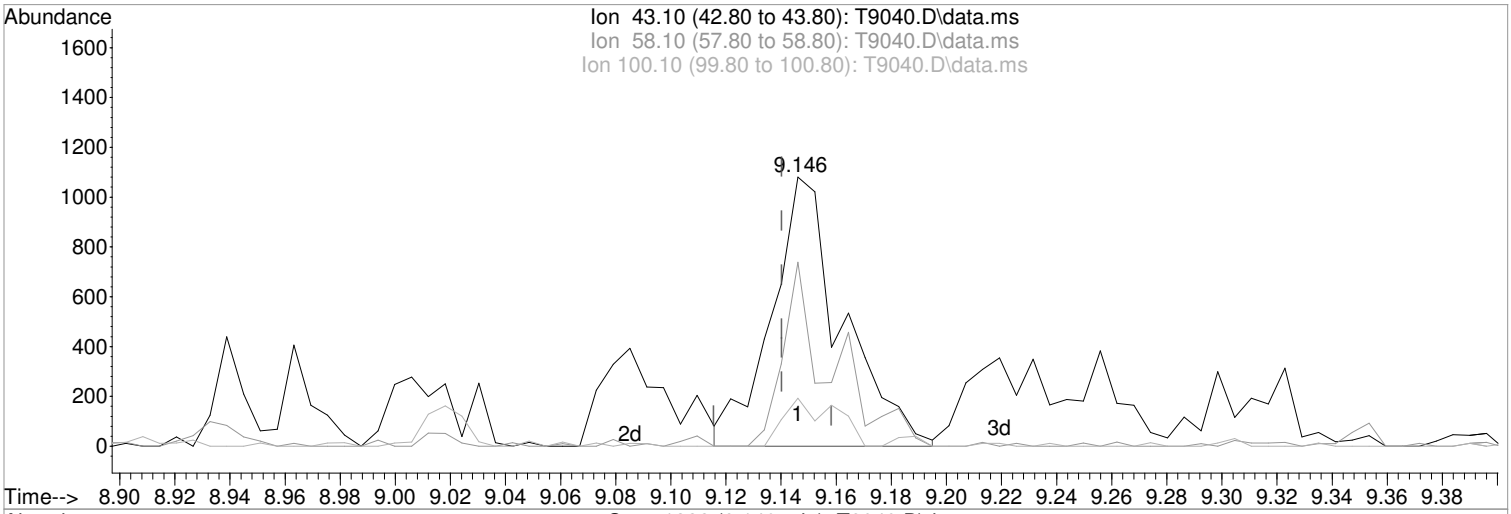
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/25/21 02:30	
Dibromofluoromethane	105	80 - 116	09/25/21 02:30	
Toluene-d8	105	87 - 121	09/25/21 02:30	

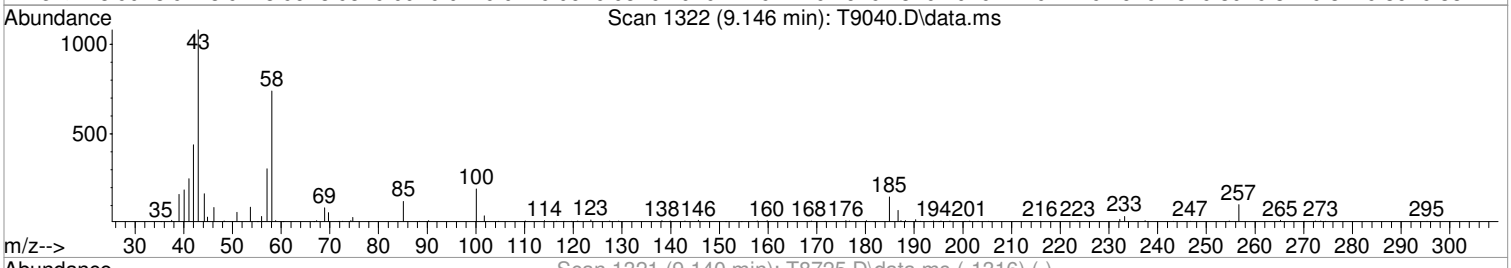
1st FW 09/26/21
2nd 09/27/21

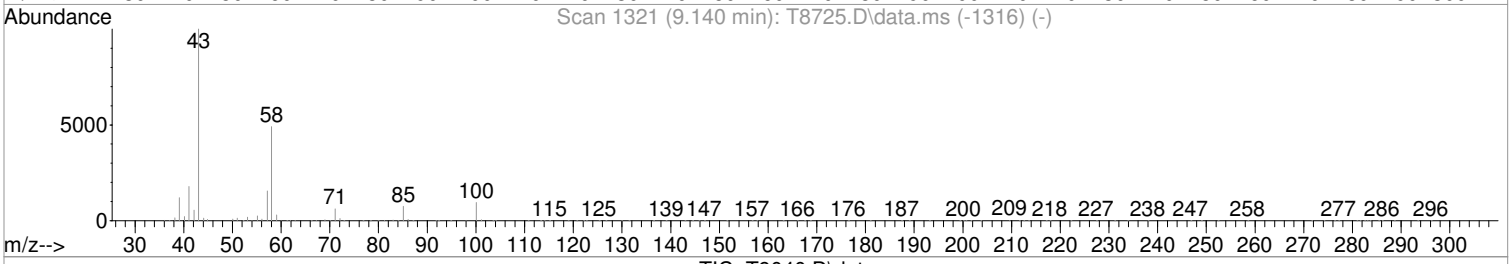
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9040.D
Acq On : 25 Sep 2021 12:19 am
Operator : F.NAEGLER
Sample : R2109571-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 25 10:10:10 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9040.D\data.ms

(72) 2-Hexanone (P)

9.146min (+0.006) 0.67 ug/L m

response 1918

Ion	Exp%	Act%
43.10	100	100
58.10	49.00	68.43
100.10	9.50	17.87
0.00	0.00	0.00

Manual Integration:

After

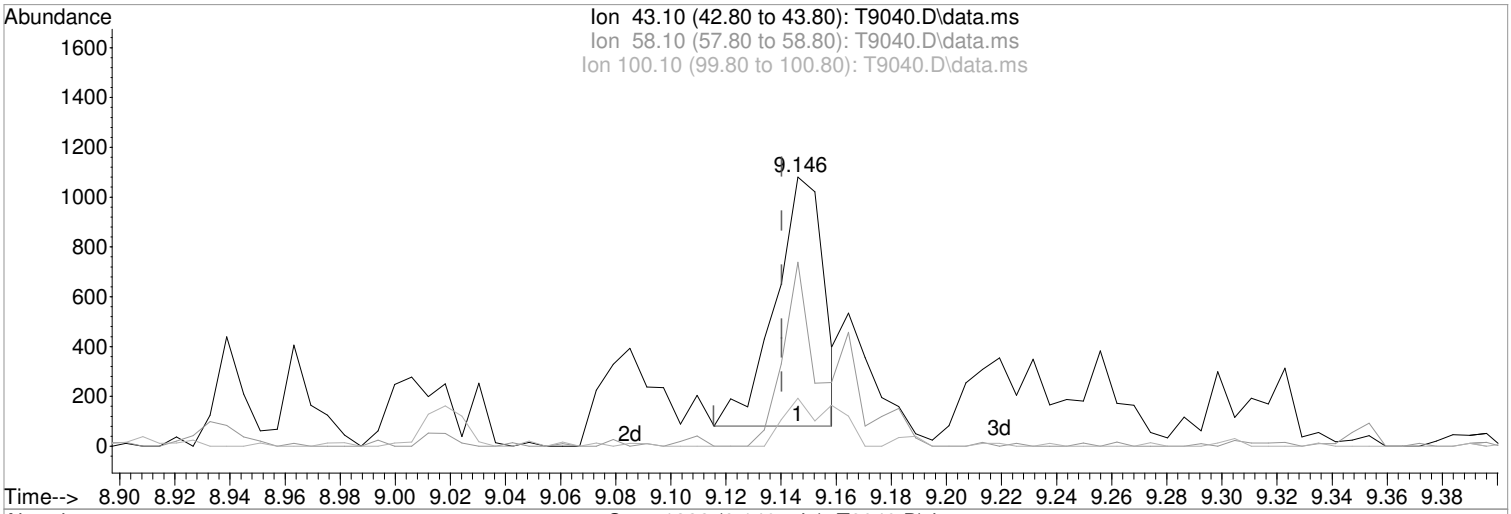
Poor integration.

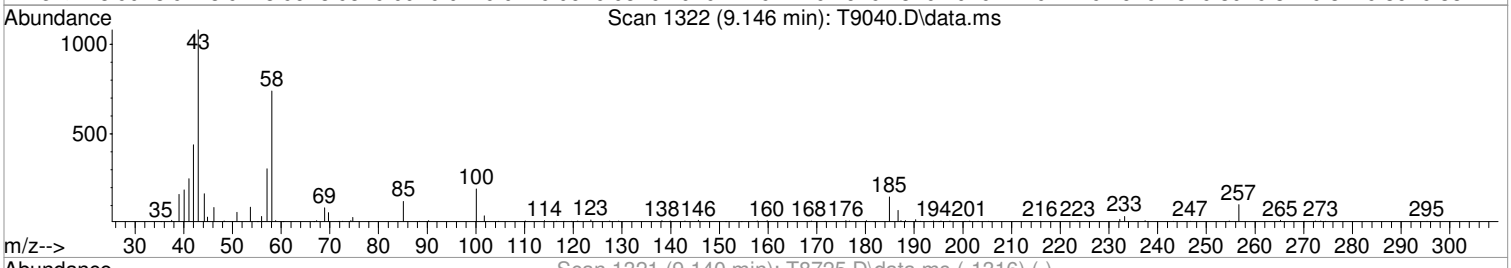
09/26/21

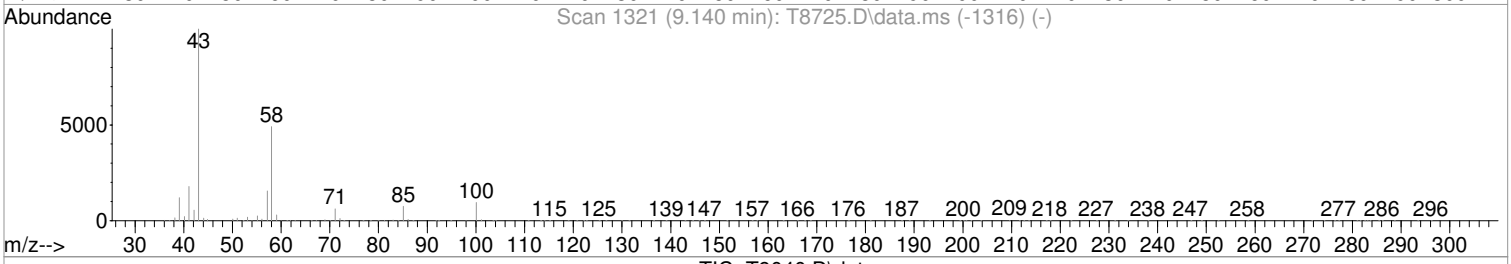
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9040.D
Acq On : 25 Sep 2021 12:19 am
Operator : F.NAEGLER
Sample : R2109571-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 25 10:10:10 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9040.D\data.ms

(72) 2-Hexanone (P)

9.146min (+0.006) 0.43 ug/L

response 1229

Ion	Exp%	Act%
43.10	100	100
58.10	49.00	68.43
100.10	9.50	17.87
0.00	0.00	0.00

Manual Integration:

Before

09/26/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9040.D
Acq On : 25 Sep 2021 12:19 am
Operator : F.NAEGLER
Sample : R2109571-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 26 13:21:55 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

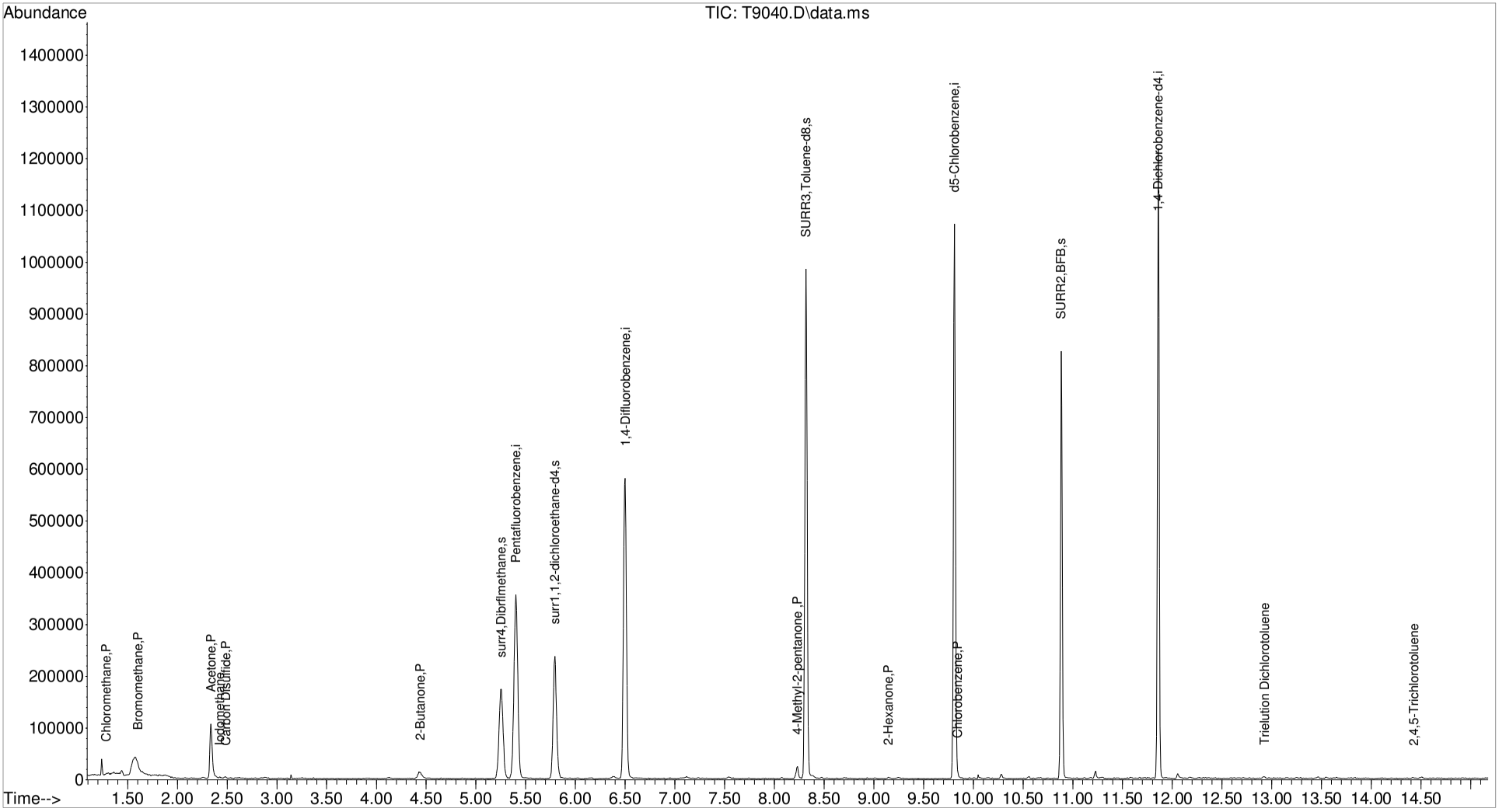
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	316478	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	517042	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	461040	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	224098	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	144935	50.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 100.42%			
46) surr1,1,2-dichloroetha...	5.793	65	195277	52.15	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.30%			
64) SURR3,Toluene-d8	8.317	98	588549	50.46	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.92%			
69) SURR2,BFB	10.884	95	206370	47.67	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.34%			
Target Compounds						Qvalue
3) Chloromethane	1.282	50	1206	0.32	ug/L	96
5) Bromomethane	1.599	94	3372	0.68	ug/L #	66
15) Acetone	2.336	43	115196	78.61	ug/L	97
17) Iodomethane	2.422	142	894	0.25	ug/L	85
18) Carbon Disulfide	2.489	76	1468	0.25	ug/L	90
34) 2-Butanone	4.440	43	21631	10.14	ug/L	98
63) 4-Methyl-2-pentanone	8.232	43	14422	3.47	ug/L	86
72) 2-Hexanone	9.146	43	1918m	0.67	ug/L	
78) Chlorobenzene	9.841	112	1729	0.22	ug/L #	63
111) Trielution Dichlorotol...	12.926	125	1331	0.30	ug/L #	70
118) 2,4,5-Trichlorotoluene	14.426	159	601	0.28	ug/L #	39

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

Quantitation Report (QT Reviewed)

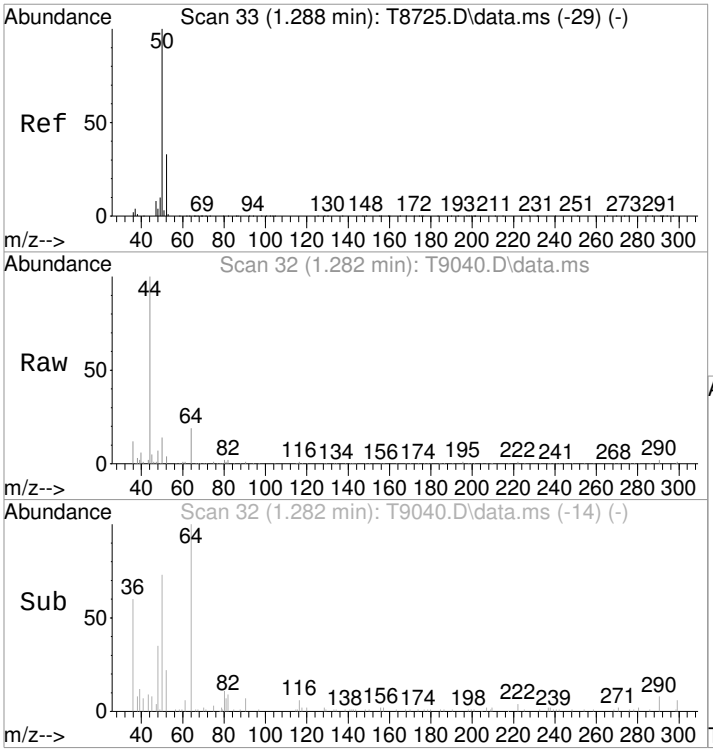
Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9040.D
Acq On : 25 Sep 2021 12:19 am
Operator : F.NAEGLER
Sample : R2109571-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 26 13:21:55 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st FJ 09/26/21
2nd 09/27/21

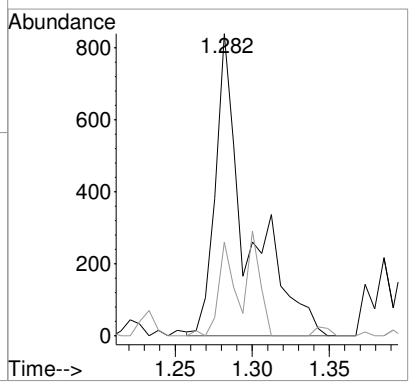
1st FW 09/26/21
2nd WR 09/27/21

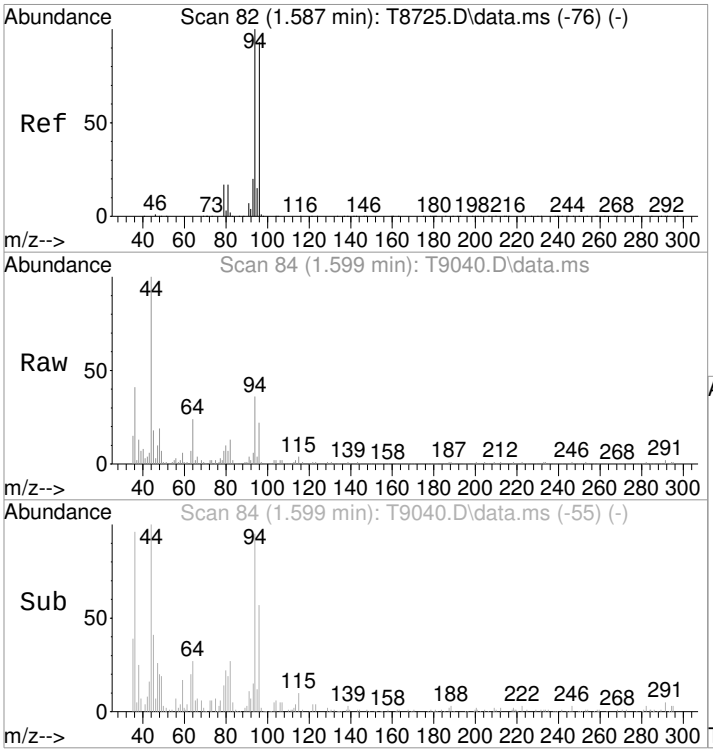


#3
Chloromethane
Concen: 0.32 ug/L
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion: 50 Resp: 1206

Ion	Ratio	Lower	Upper
50	100		
52	31.0	13.0	53.0

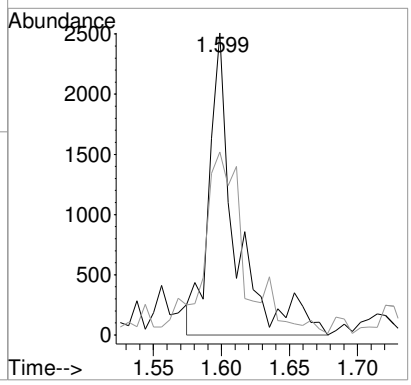


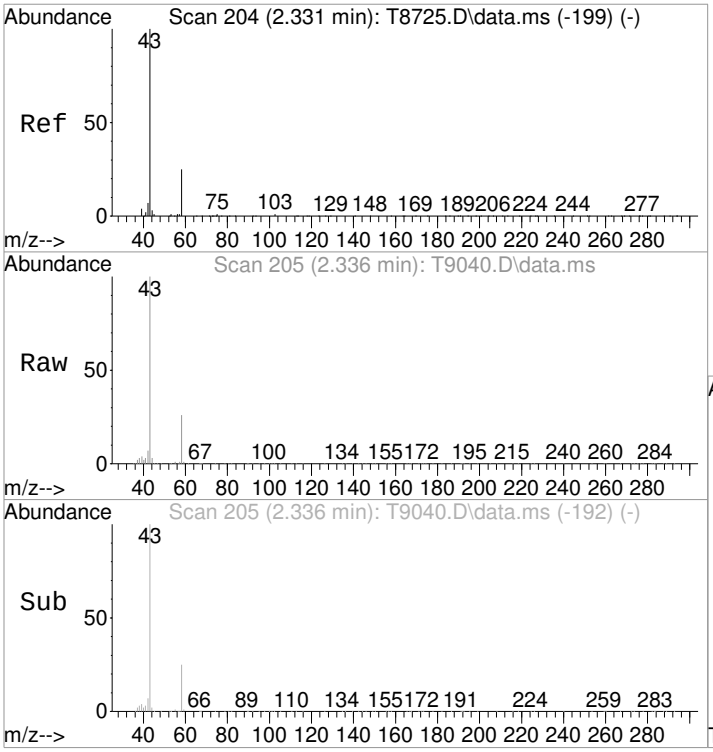


#5
Bromomethane
Concen: 0.68 ug/L
RT: 1.599 min Scan# 84
Delta R.T. 0.012 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion: 94 Resp: 3372

Ion	Ratio	Lower	Upper
94	100		
96	60.5	72.7	112.7#

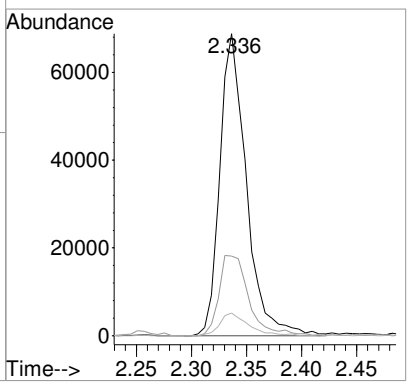


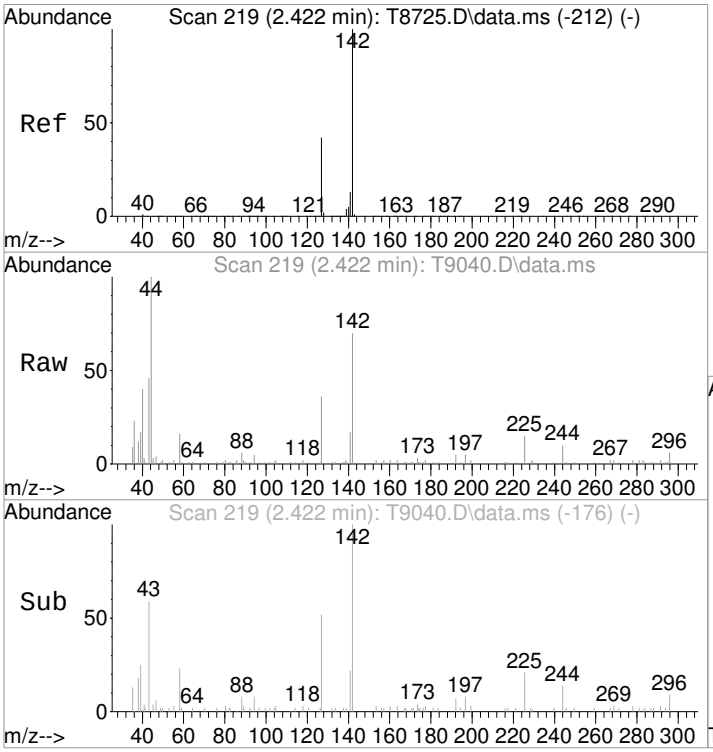


#15
Acetone
Concen: 78.61 ug/L
RT: 2.336 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion: 43 Resp: 115196

Ion	Ratio	Lower	Upper
43	100		
58	26.4	4.9	44.9
42	7.5	0.0	27.1

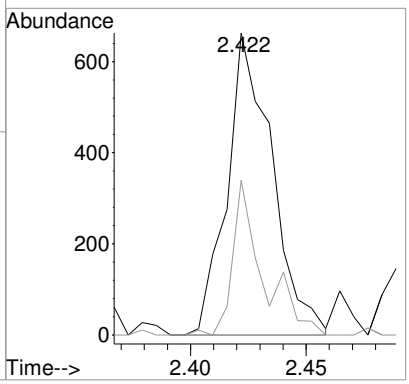


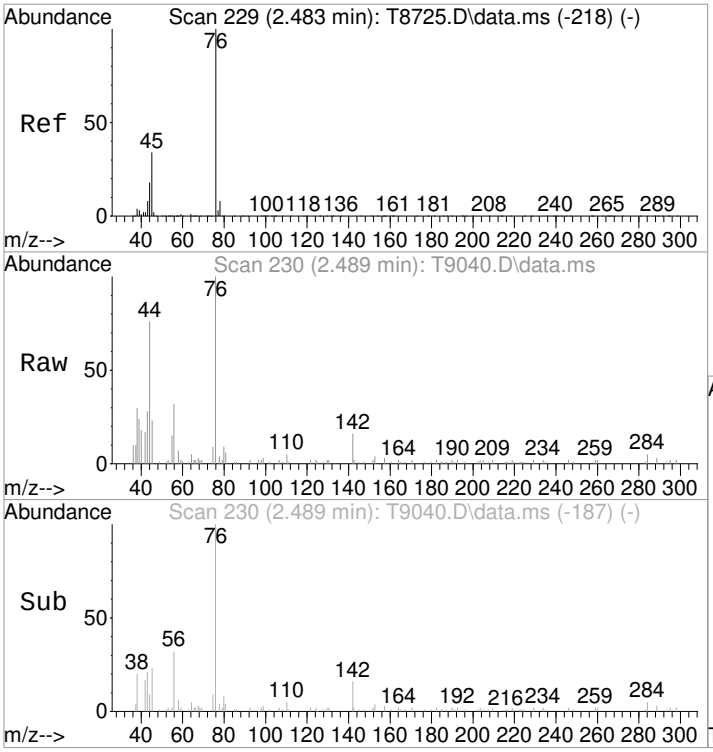


#17
Iodomethane
Concen: 0.25 ug/L
RT: 2.422 min Scan# 219
Delta R.T. -0.000 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion:142 Resp: 894

Ion	Ratio	Lower	Upper
142	100		
127	51.3	21.9	61.9

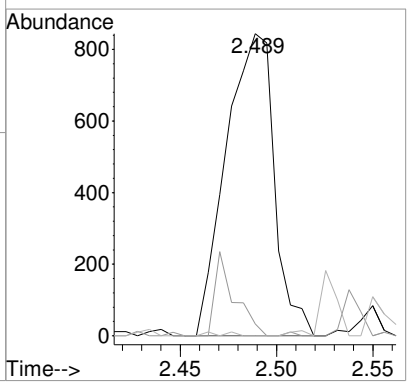


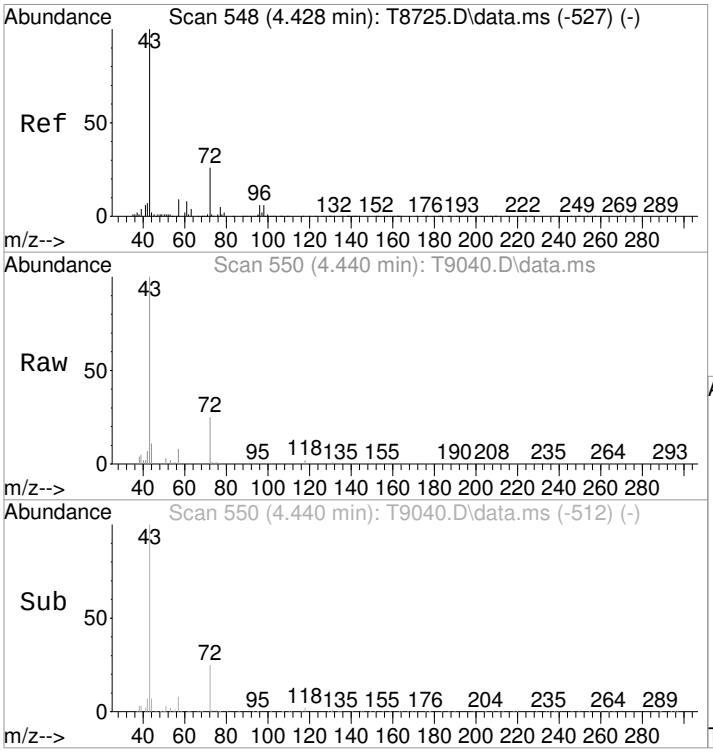


#18
Carbon Disulfide
Concen: 0.25 ug/L
RT: 2.489 min Scan# 230
Delta R.T. 0.006 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion: 76 Resp: 1468

Ion	Ratio	Lower	Upper
76	100		
78	3.9	0.0	28.4
77	3.9	0.0	22.7

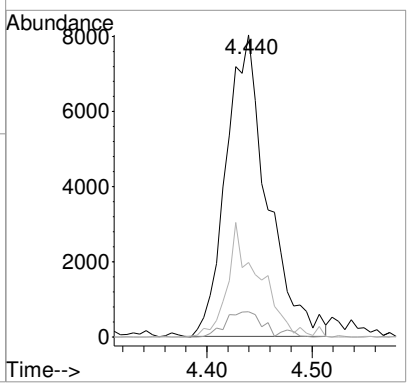


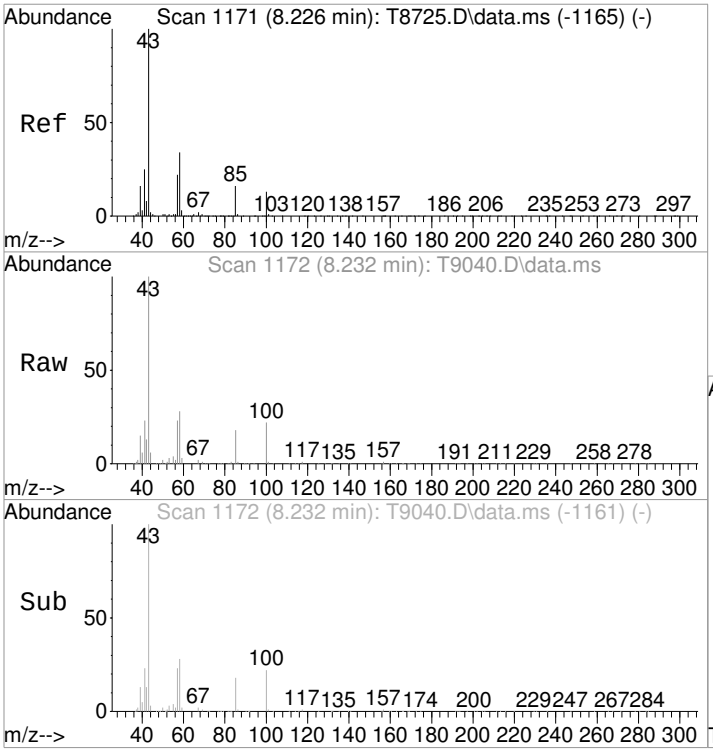


#34
2-Butanone
Concen: 10.14 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion: 43 Resp: 21631

Ion	Ratio	Lower	Upper
43	100		
57	8.3	0.0	28.5
72	24.7	6.2	46.2

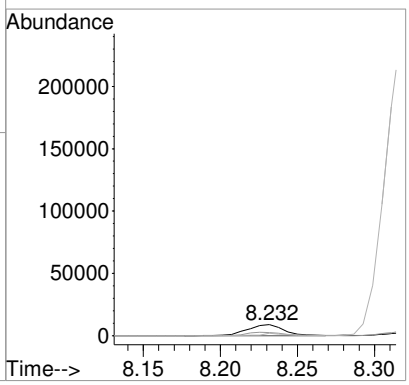


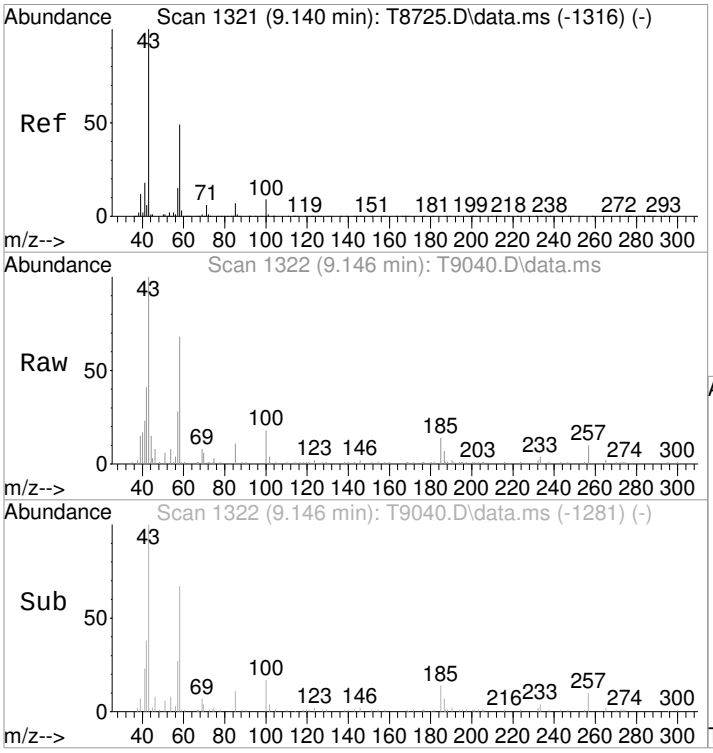


#63
4-Methyl-2-pentanone
Concen: 3.47 ug/L
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion: 43 Resp: 14422

Ion	Ratio	Lower	Upper
43	100		
58	28.4	14.2	54.2
100	22.1	0.0	32.8

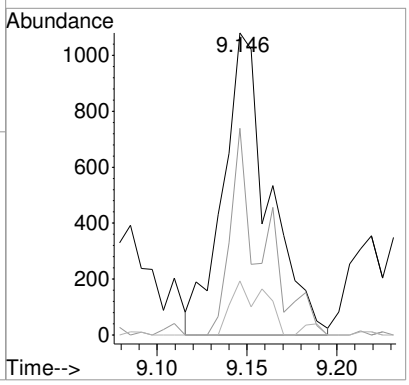


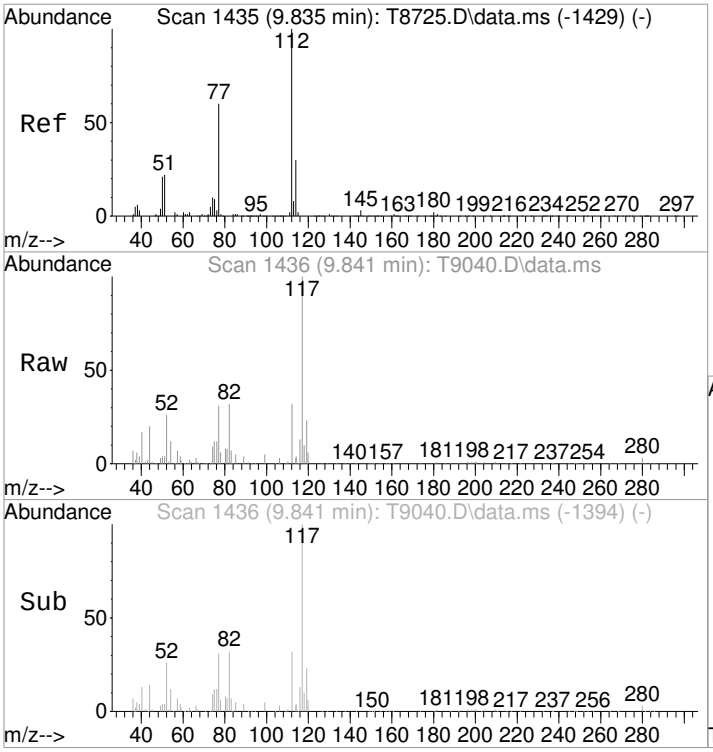


#72
2-Hexanone
Concen: 0.67 ug/L m
RT: 9.146 min Scan# 1322
Delta R.T. 0.006 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion: 43 Resp: 1918

Ion	Ratio	Lower	Upper
43	100		
58	68.4	29.0	69.0
100	17.9	0.0	29.5

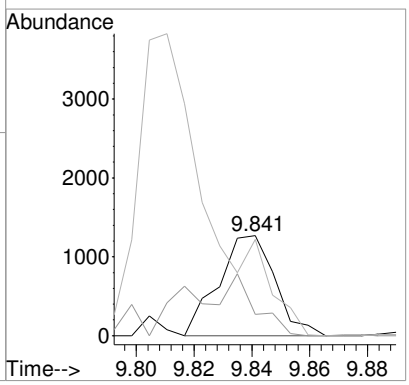


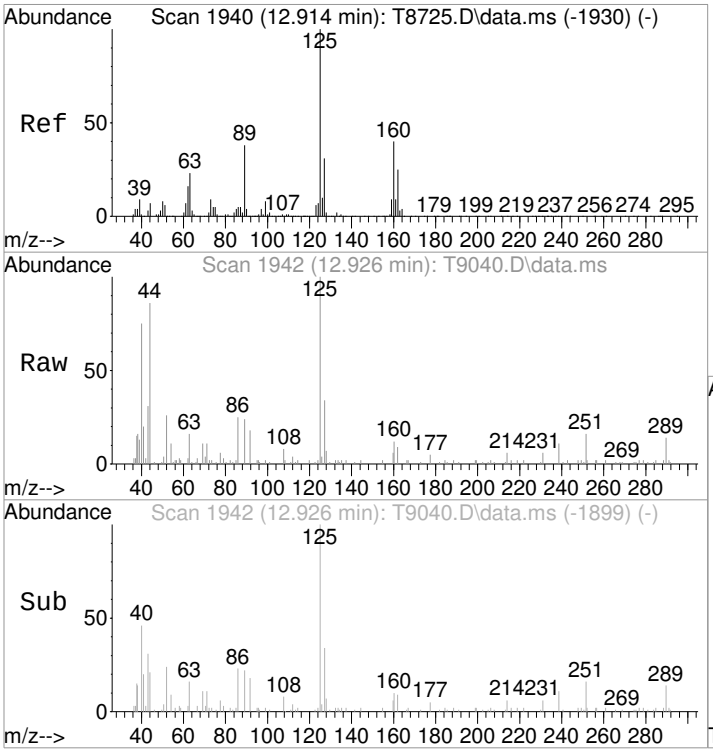


#78
Chlorobenzene
Concen: 0.22 ug/L
RT: 9.841 min Scan# 1436
Delta R.T. 0.006 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion:112 Resp: 1729

Ion	Ratio	Lower	Upper
112	100		
114	21.3	10.2	50.2
77	96.3	40.8	80.8#

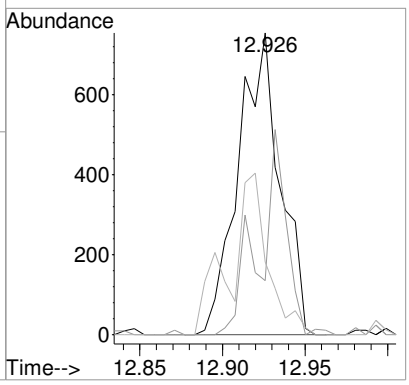


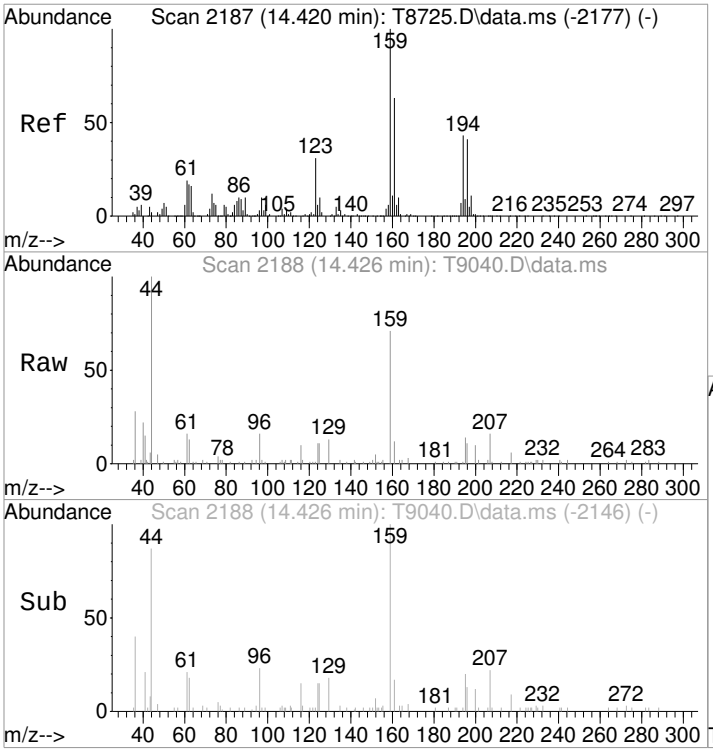


#111
Trielution Dichlorotoluene
Concen: 0.30 ug/L
RT: 12.926 min Scan# 1942
Delta R.T. 0.012 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion:125 Resp: 1331

Ion	Ratio	Lower	Upper
125	100		
160	17.9	19.9	59.9#
89	24.1	18.2	58.2

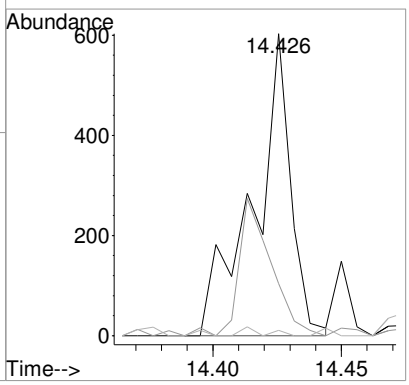




#118
2,4,5-Trichlorotoluene
Concen: 0.28 ug/L
RT: 14.426 min Scan# 2188
Delta R.T. 0.006 min
Lab File: T9040.D
Acq: 25 Sep 2021 12:19 am

Tgt Ion:159 Resp: 601

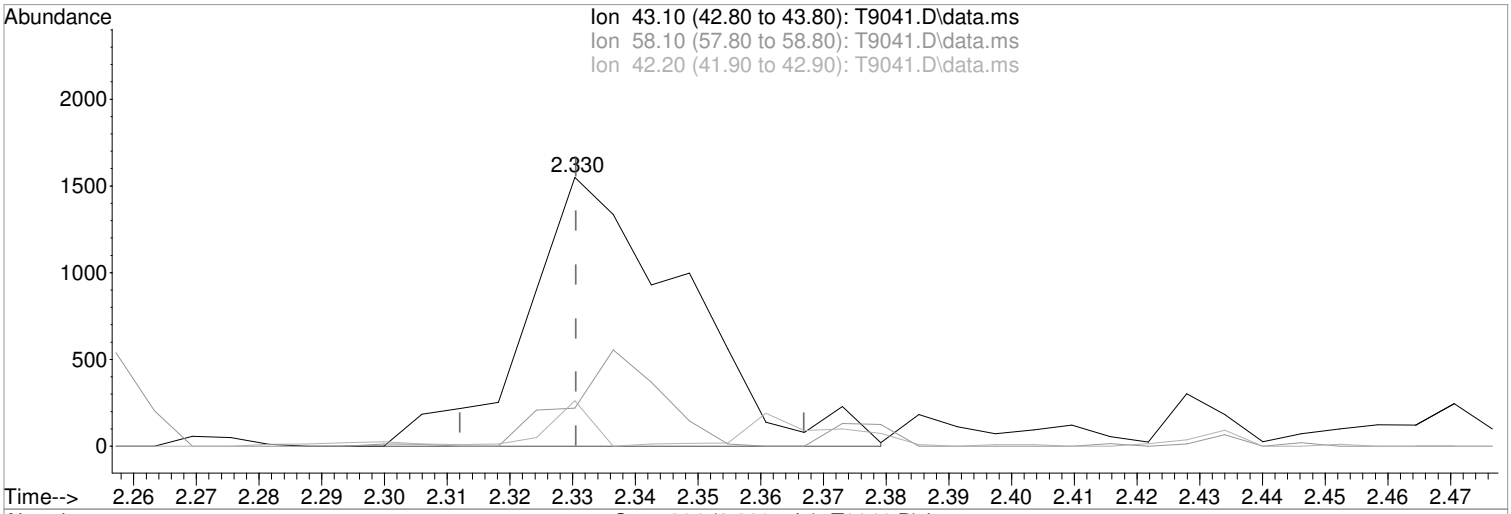
Ion	Ratio	Lower	Upper
159	100		
161	17.2	42.7	82.7#
194	1.8	23.1	63.1#

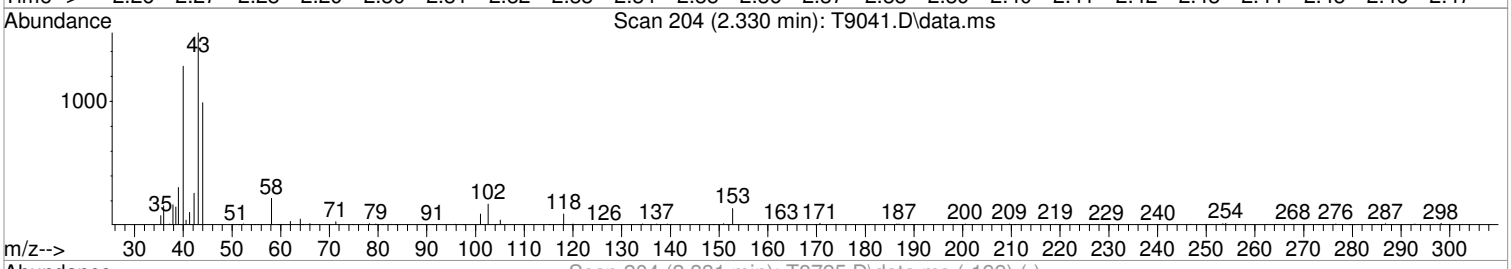


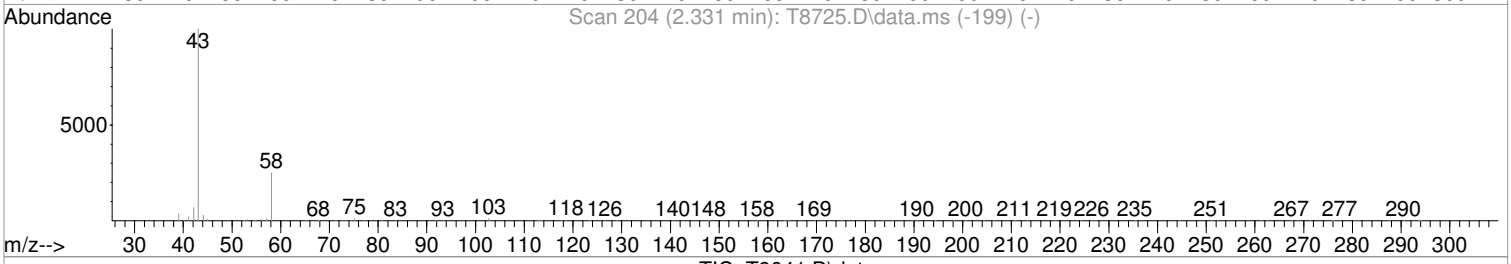
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9041.D
Acq On : 25 Sep 2021 12:40 am
Operator : F.NAEGLER
Sample : R2109571-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 25 10:10:29 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9041.D\data.ms

(15) Acetone (P)

2.330min (-0.000) 1.79 ug/L m

response 2705

Ion	Exp%	Act%
43.10	100	100
58.10	24.90	14.19
42.20	7.10	16.90
0.00	0.00	0.00

Manual Integration:

After

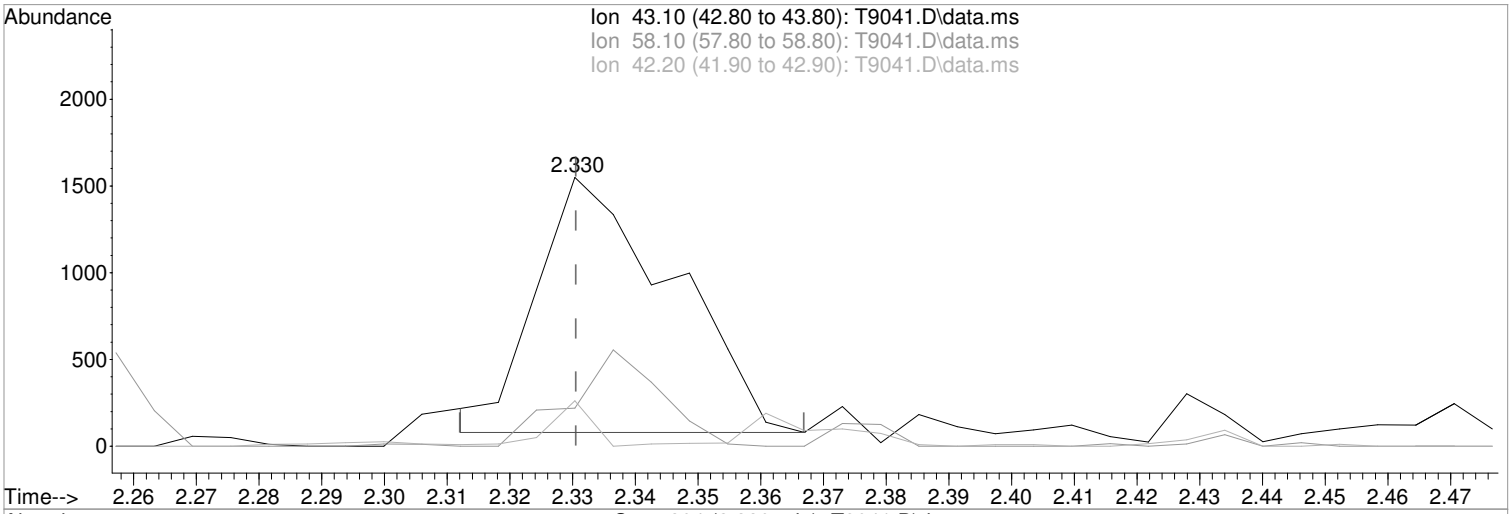
Poor integration.

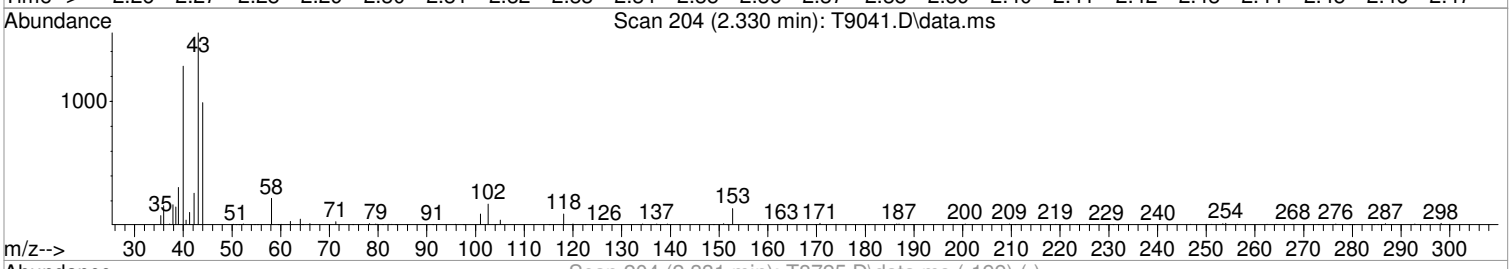
09/26/21

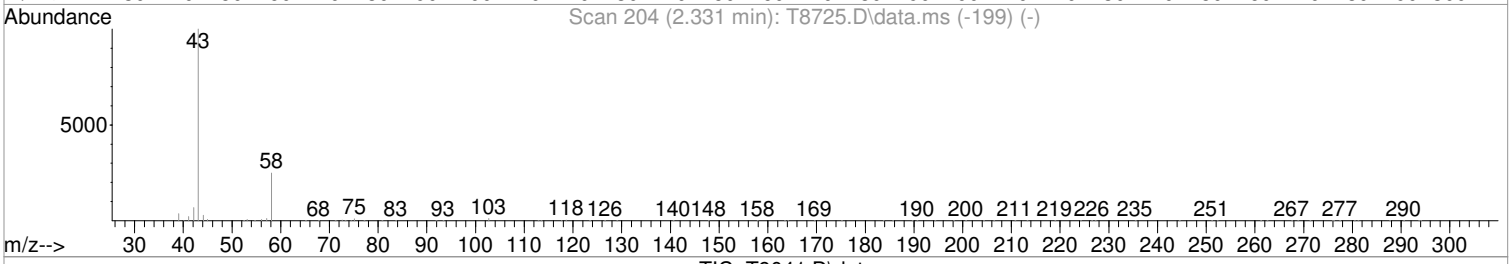
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9041.D
Acq On : 25 Sep 2021 12:40 am
Operator : F.NAEGLER
Sample : R2109571-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 25 10:10:29 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9041.D\data.ms

(15) Acetone (P)

2.330min (-0.000) 1.46 ug/L

response 2207

Ion	Exp%	Act%
43.10	100	100
58.10	24.90	14.19
42.20	7.10	16.90
0.00	0.00	0.00

Manual Integration:

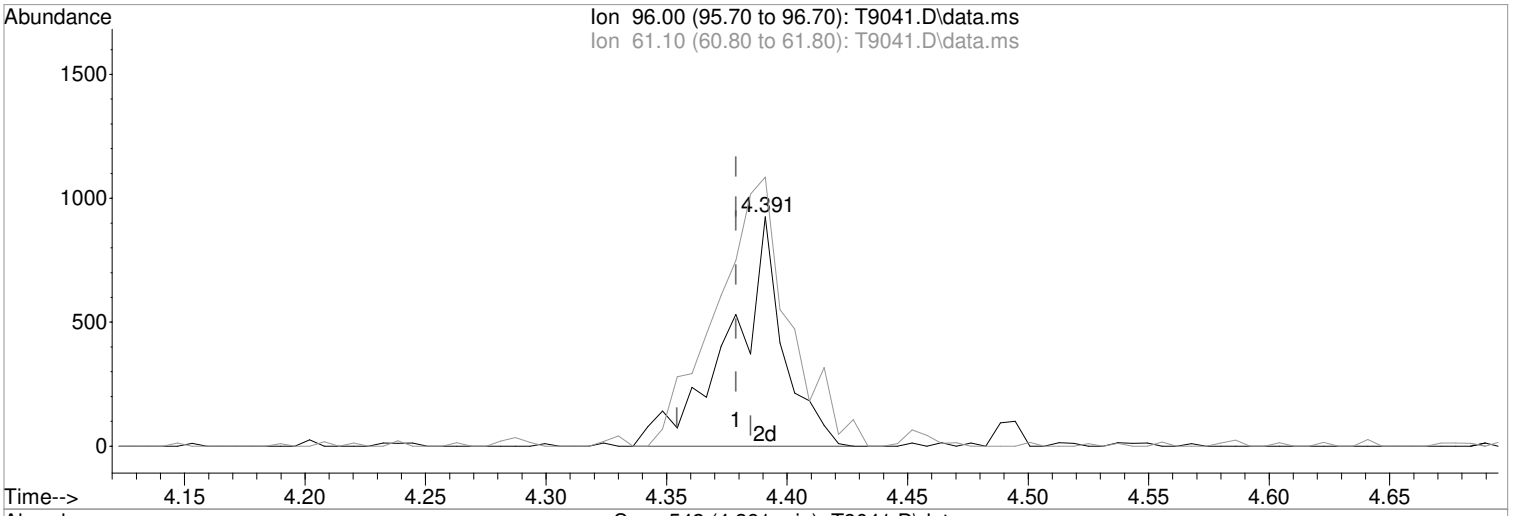
Before

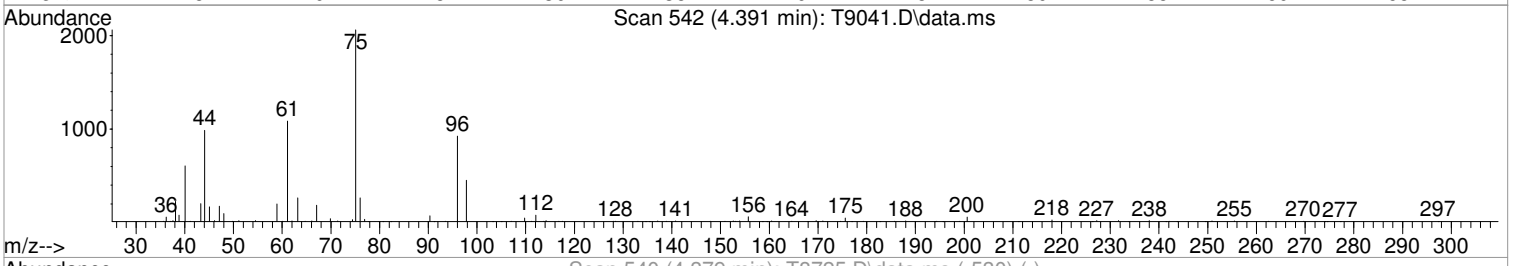
09/26/21

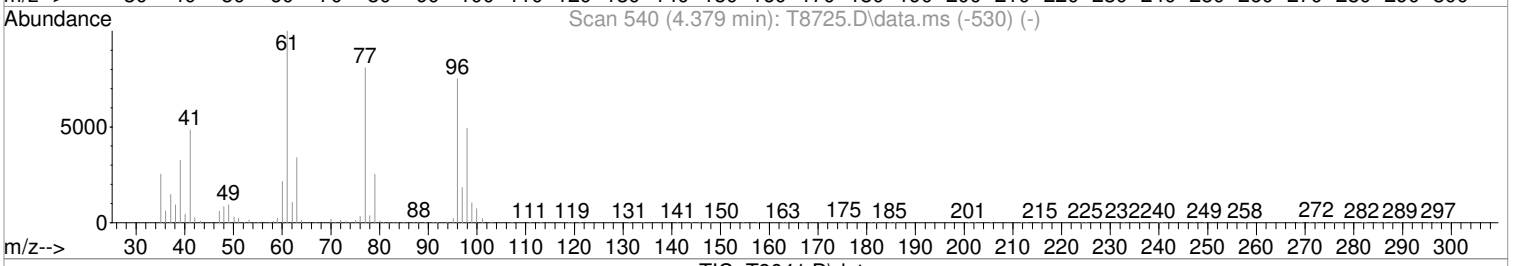
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9041.D
Acq On : 25 Sep 2021 12:40 am
Operator : F.NAEGLER
Sample : R2109571-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
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Quant Time: Sep 25 10:10:29 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9041.D\data.ms

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

4.391min (+0.012) 0.42 ug/L m

response 1413

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	117.30
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

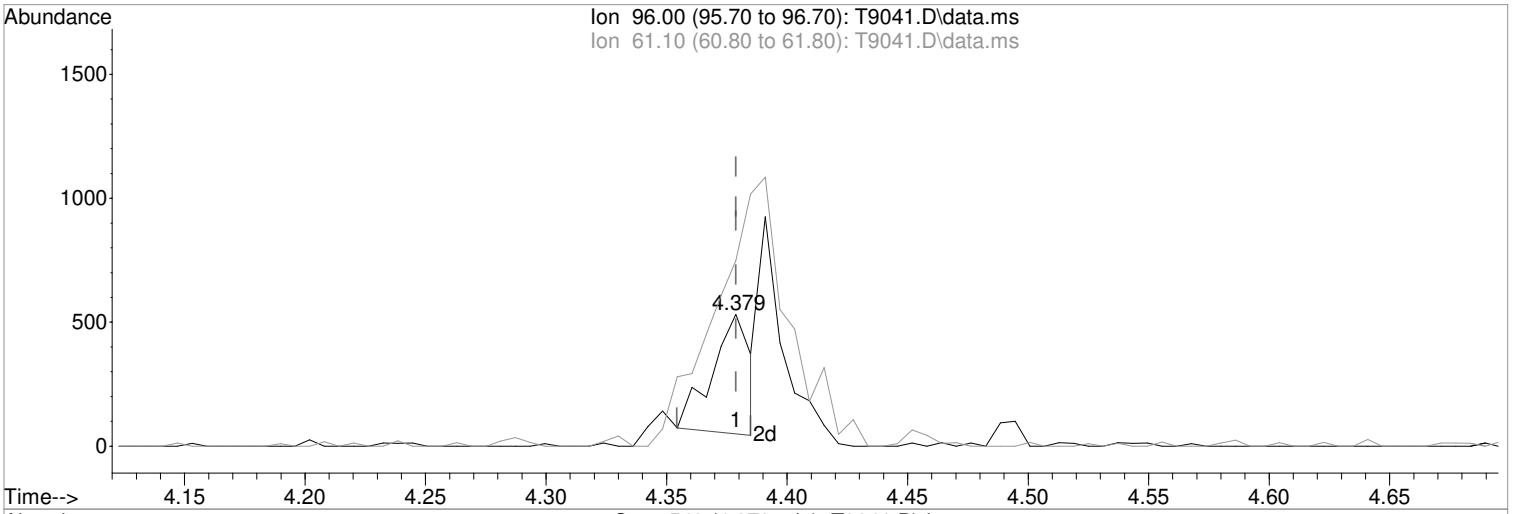
Poor integration.

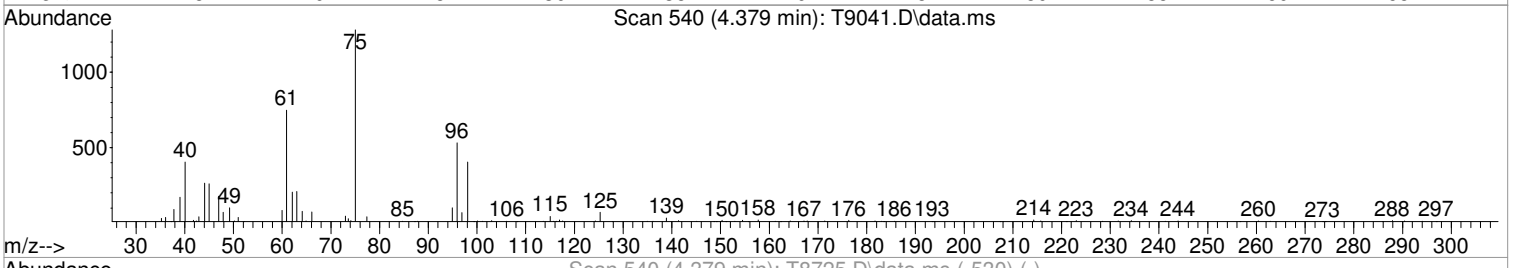
09/26/21

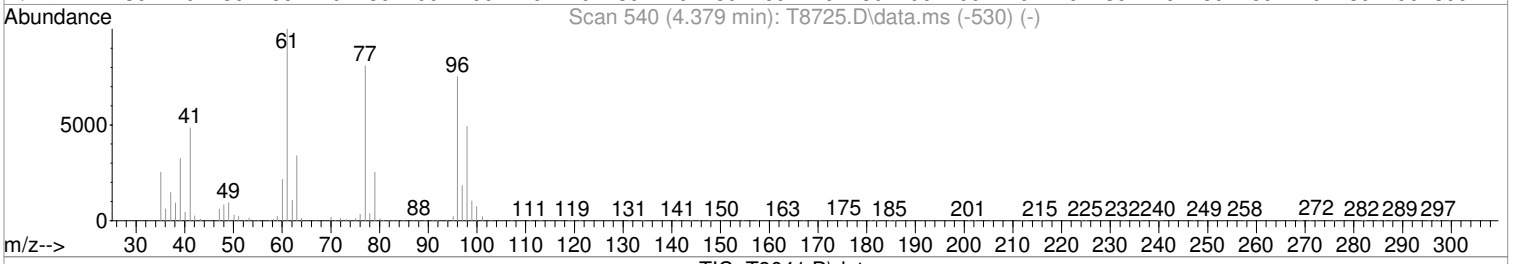
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9041.D
Acq On : 25 Sep 2021 12:40 am
Operator : F.NAEGLER
Sample : R2109571-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 25 10:10:29 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9041.D\data.ms

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

4.379min (-0.000) 0.16 ug/L

response 530

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	140.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

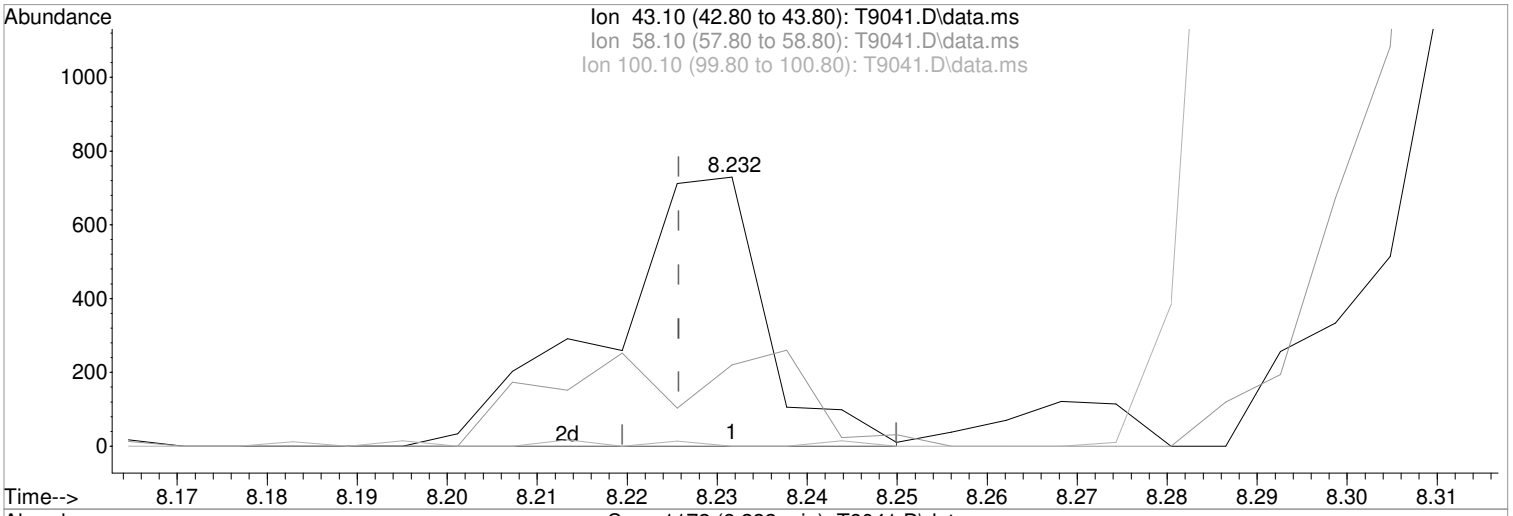
Before

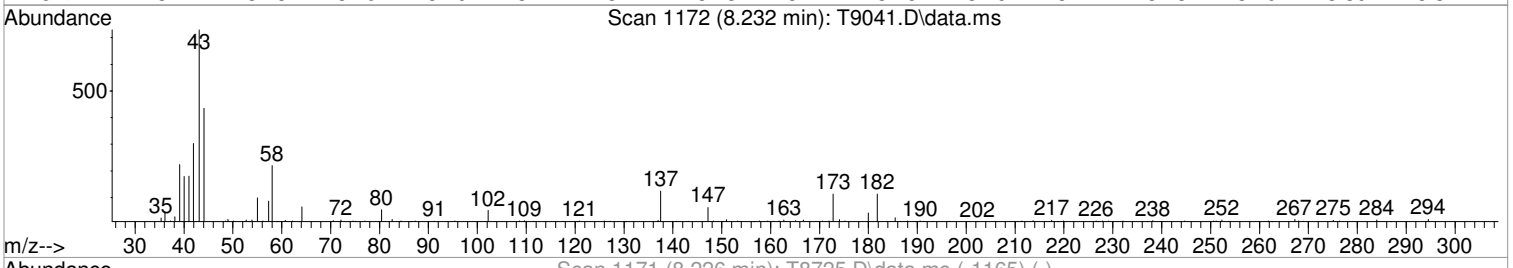
09/26/21

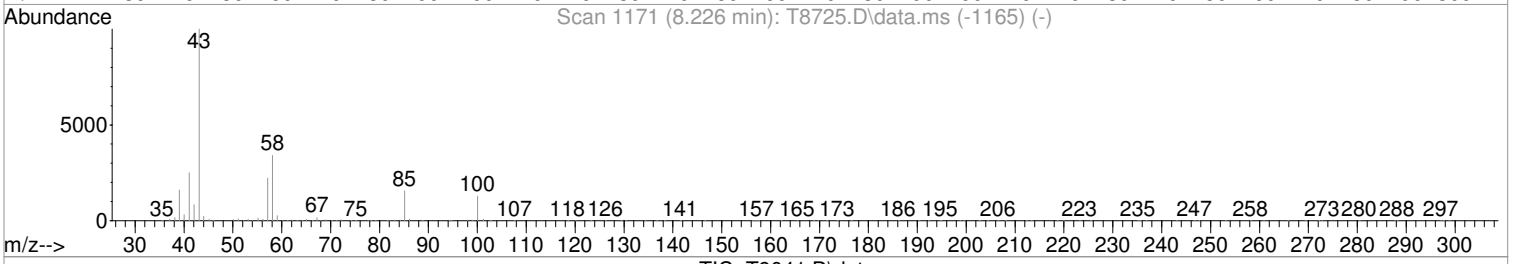
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9041.D
Acq On : 25 Sep 2021 12:40 am
Operator : F.NAEGLER
Sample : R2109571-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 25 10:10:29 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9041.D\data.ms

(63) 4-Methyl-2-pentanone (P)

8.232min (+0.006) 0.21 ug/L m

response 894

Ion	Exp%	Act%
43.10	100	100
58.10	34.20	30.18
100.10	12.80	0.00
0.00	0.00	0.00

Manual Integration:

After

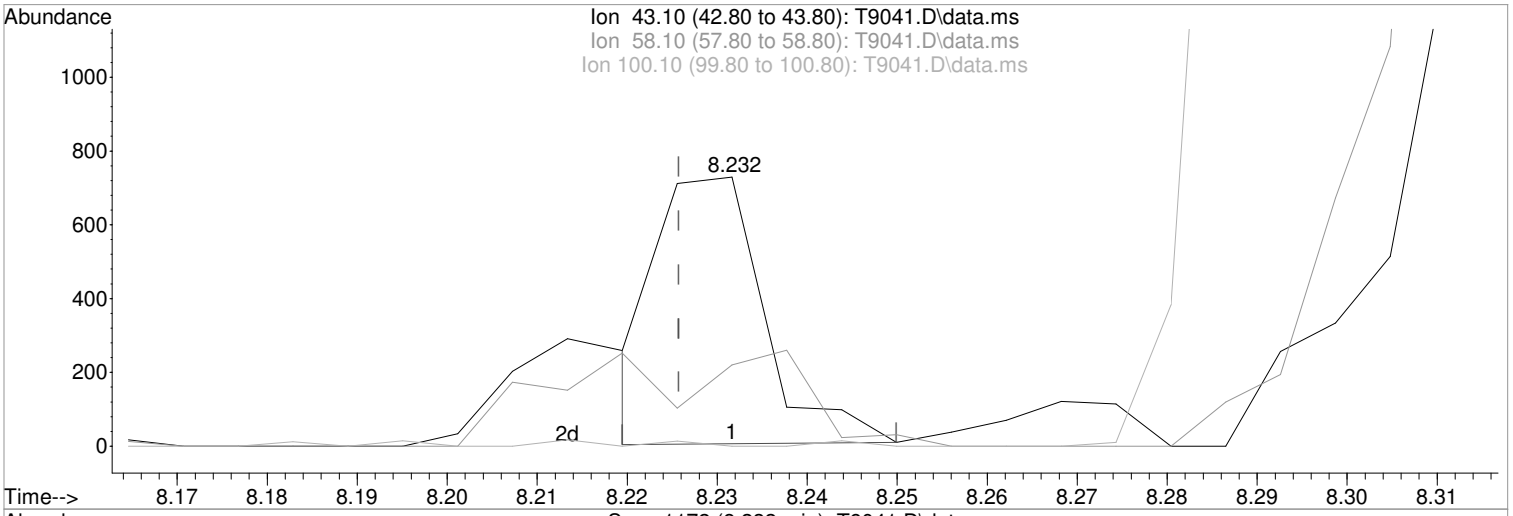
Poor integration.

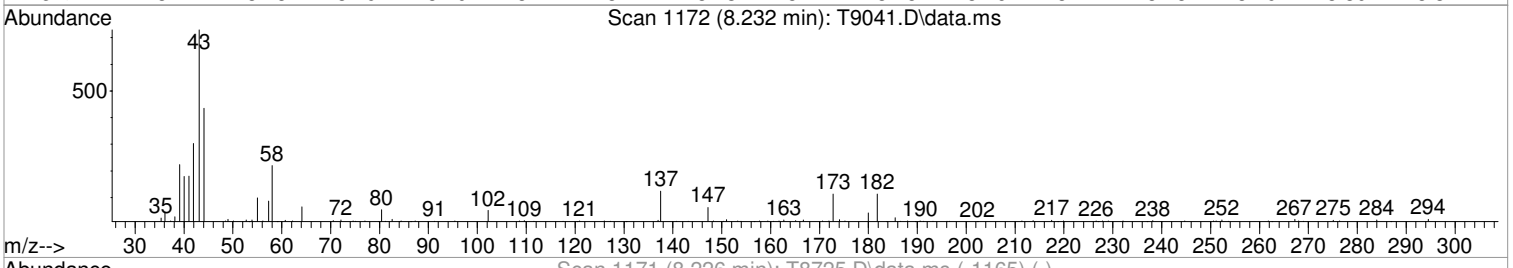
09/26/21

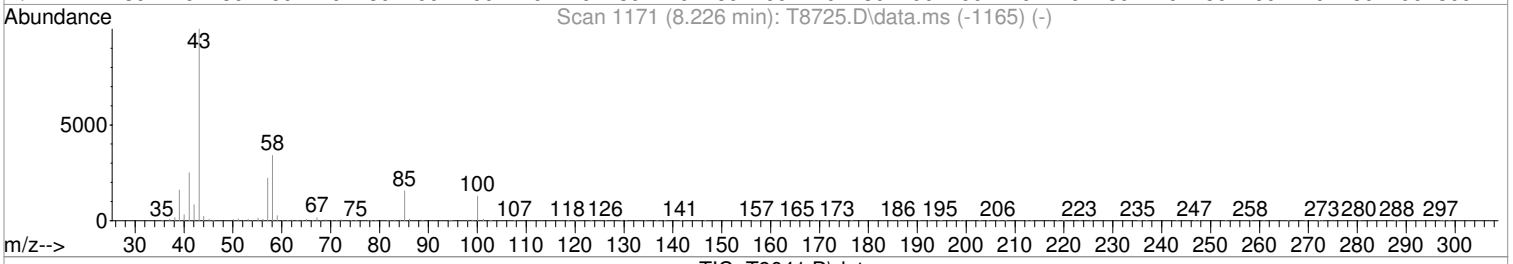
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9041.D
Acq On : 25 Sep 2021 12:40 am
Operator : F.NAEGLER
Sample : R2109571-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 25 10:10:29 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9041.D\data.ms

(63) 4-Methyl-2-pentanone (P)

8.232min (+0.006) 0.14 ug/L

response 593

Ion	Exp%	Act%
43.10	100	100
58.10	34.20	30.18
100.10	12.80	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/26/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9041.D
Acq On : 25 Sep 2021 12:40 am
Operator : F.NAEGLER
Sample : R2109571-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 26 13:24:54 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

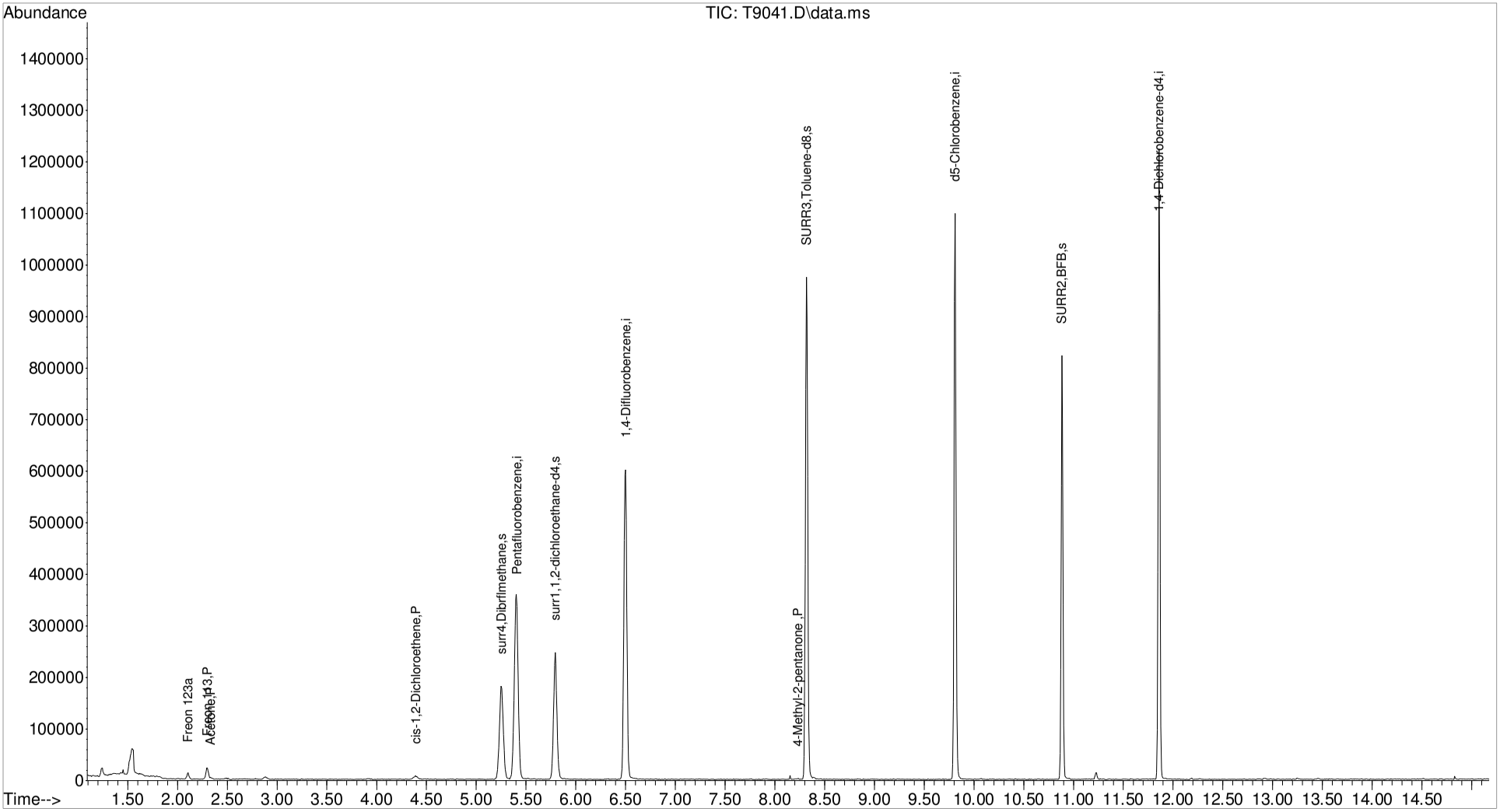
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.409	168	326338	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	525062	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	480836	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	227717	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	148064	50.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.02%			
46) surr1,1,2-dichloroetha...	5.793	65	193814	50.97	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.94%			
64) SURR3,Toluene-d8	8.317	98	596832	50.39	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.78%			
69) SURR2,BFB	10.884	95	207658	47.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.46%			
Target Compounds						Qvalue
10) Freon 123a	2.099	67	5480	1.53	ug/L	87
14) Freon 113	2.294	101	7675	3.02	ug/L	89
15) Acetone	2.330	43	2705m	1.79	ug/L	
33) cis-1,2-Dichloroethene	4.391	96	1413m	0.42	ug/L	
63) 4-Methyl-2-pentanone	8.232	43	894m	0.21	ug/L	

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

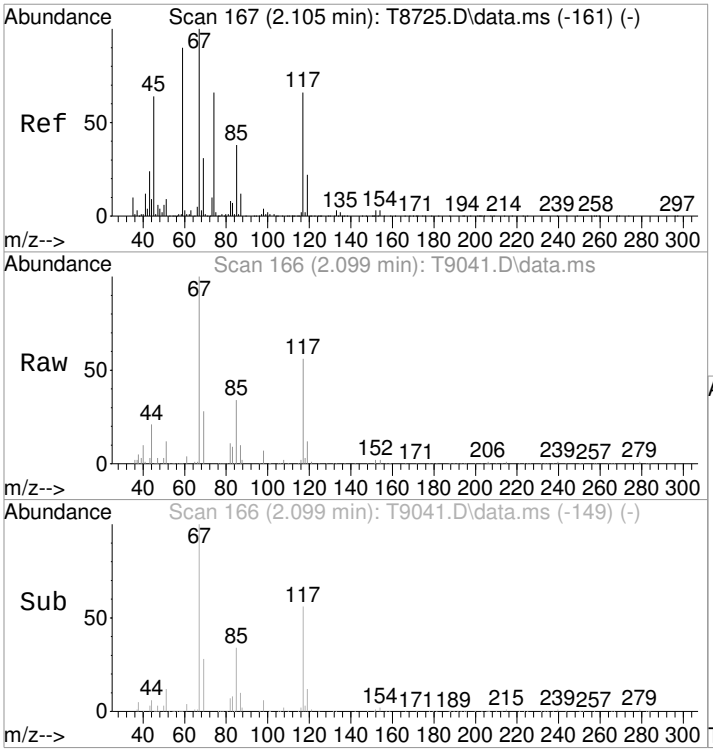
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9041.D
Acq On : 25 Sep 2021 12:40 am
Operator : F.NAEGLER
Sample : R2109571-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 26 13:24:54 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



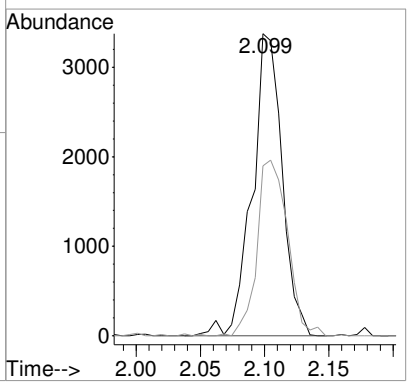
1st FJ 09/26/21
2nd 09/27/21

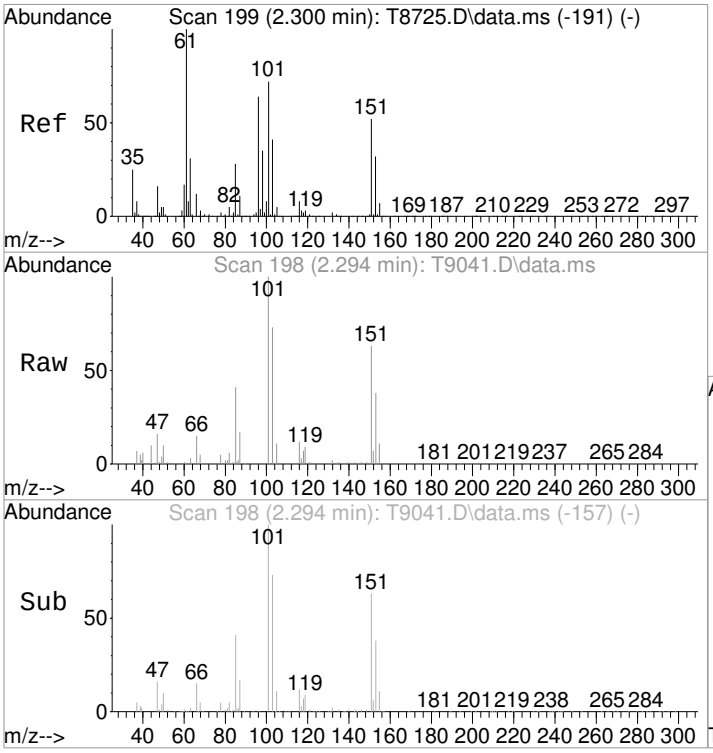


#10
Freon 123a
Concen: 1.53 ug/L
RT: 2.099 min Scan# 166
Delta R.T. -0.006 min
Lab File: T9041.D
Acq: 25 Sep 2021 12:40 am

Tgt Ion: 67 Resp: 5480

Ion	Ratio	Lower	Upper
67	100		
117	56.2	46.3	86.3

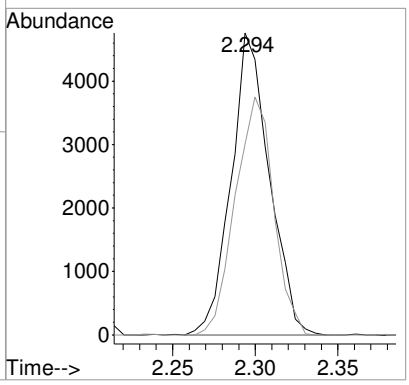


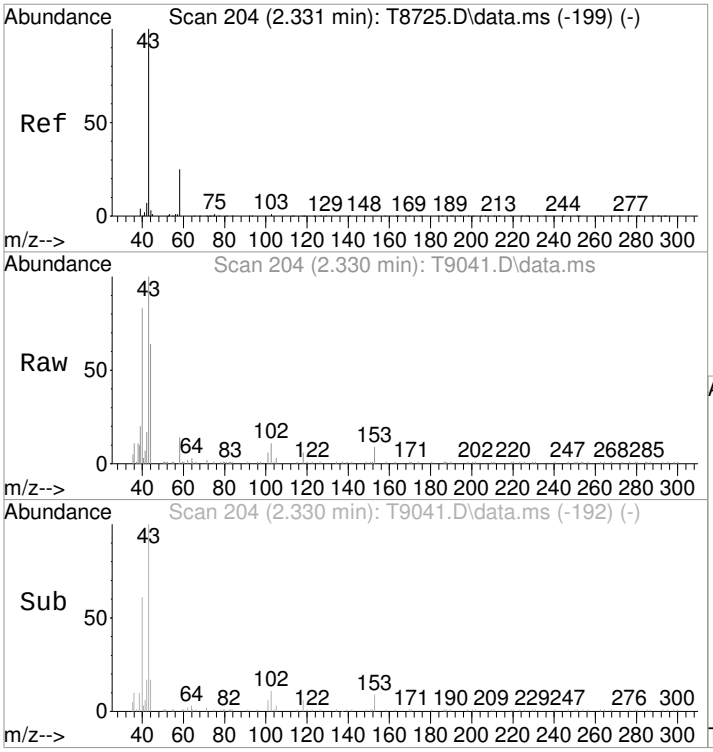


#14
Freon 113
Concen: 3.02 ug/L
RT: 2.294 min Scan# 198
Delta R.T. -0.006 min
Lab File: T9041.D
Acq: 25 Sep 2021 12:40 am

Tgt Ion:101 Resp: 7675

Ion	Ratio	Lower	Upper
101	100		
151	63.2	52.8	92.8

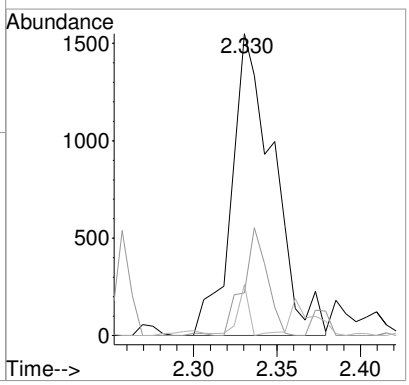


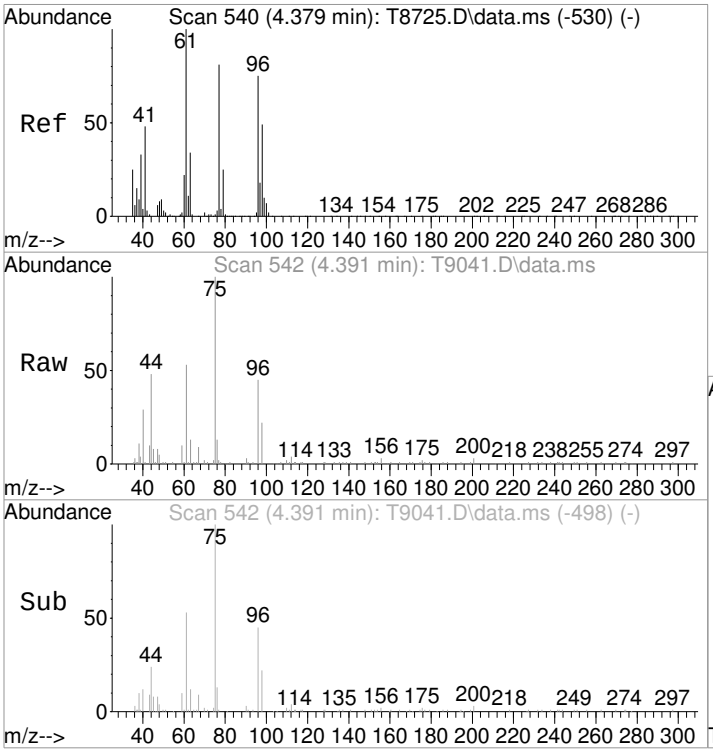


#15
Acetone
Concen: 1.79 ug/L m
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: T9041.D
Acq: 25 Sep 2021 12:40 am

Tgt Ion: 43 Resp: 2705

Ion	Ratio	Lower	Upper
43	100		
58	14.2	4.9	44.9
42	16.9	0.0	27.1

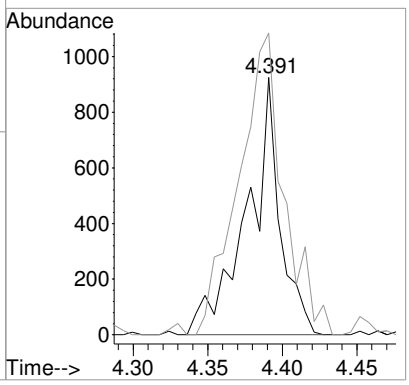


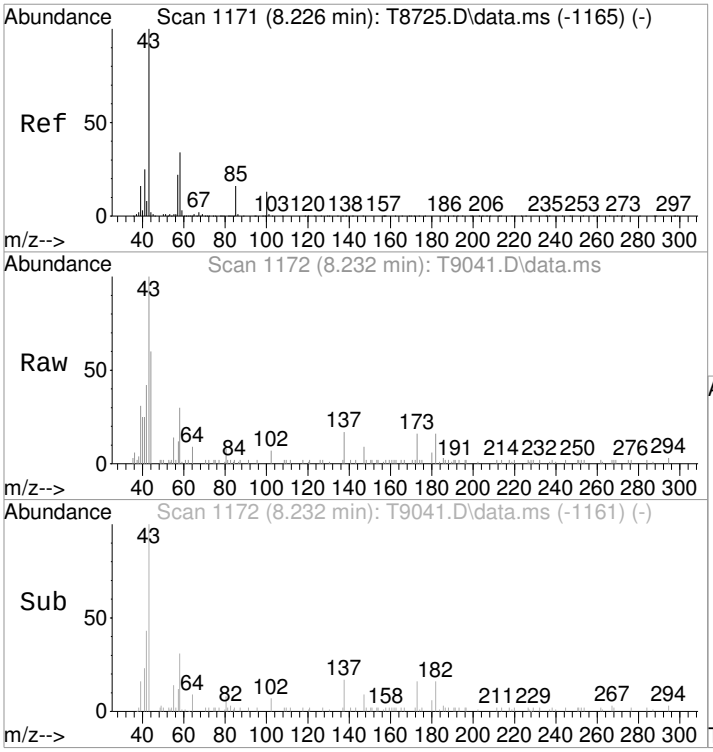


#33
cis-1,2-Dichloroethene
Concen: 0.42 ug/L m
RT: 4.391 min Scan# 542
Delta R.T. 0.012 min
Lab File: T9041.D
Acq: 25 Sep 2021 12:40 am

Tgt Ion: 96 Resp: 1413

Ion	Ratio	Lower	Upper
96	100		
61	117.3	113.1	153.1

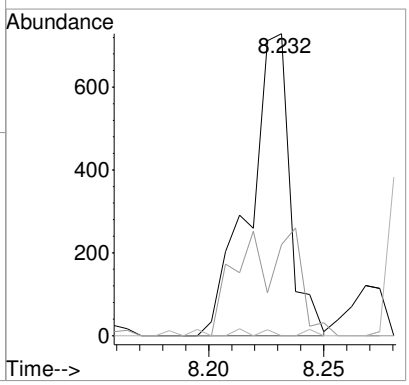




#63
4-Methyl-2-pentanone
Concen: 0.21 ug/L m
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: T9041.D
Acq: 25 Sep 2021 12:40 am

Tgt Ion: 43 Resp: 894

Ion	Ratio	Lower	Upper
43	100		
58	30.2	14.2	54.2
100	0.0	0.0	32.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9039.D
Acq On : 24 Sep 2021 11:57 pm
Operator : F.NAEGLER
Sample : R2109571-003|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 26 13:20:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

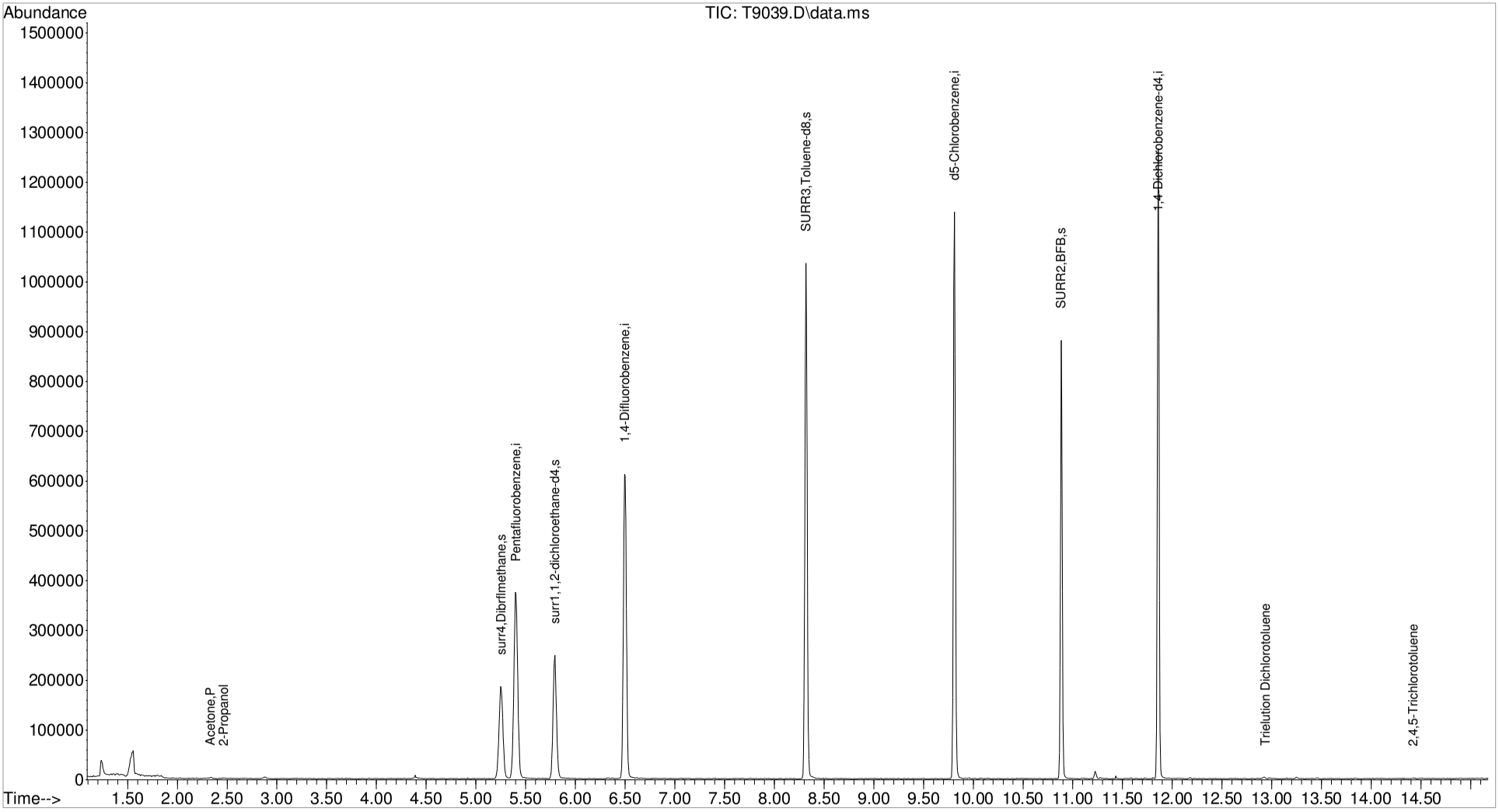
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	342784	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	541516	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	496577	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	232065	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	154968	51.26	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.52%				
46) surr1,1,2-dichloroetha...	5.793	65	202828	51.72	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.44%				
64) SURR3,Toluene-d8	8.317	98	614470	50.30	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.60%				
69) SURR2,BFB	10.884	95	218539	48.20	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.40%				
Target Compounds							Qvalue
15) Acetone	2.331	43	2297	1.45	ug/L		84
16) 2-Propanol	2.465	45	784	2.32	ug/L		90
111) Trielution Dichlorotol...	12.932	125	2012	0.43	ug/L	#	72
118) 2,4,5-Trichlorotoluene	14.420	159	714	0.32	ug/L	#	47

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

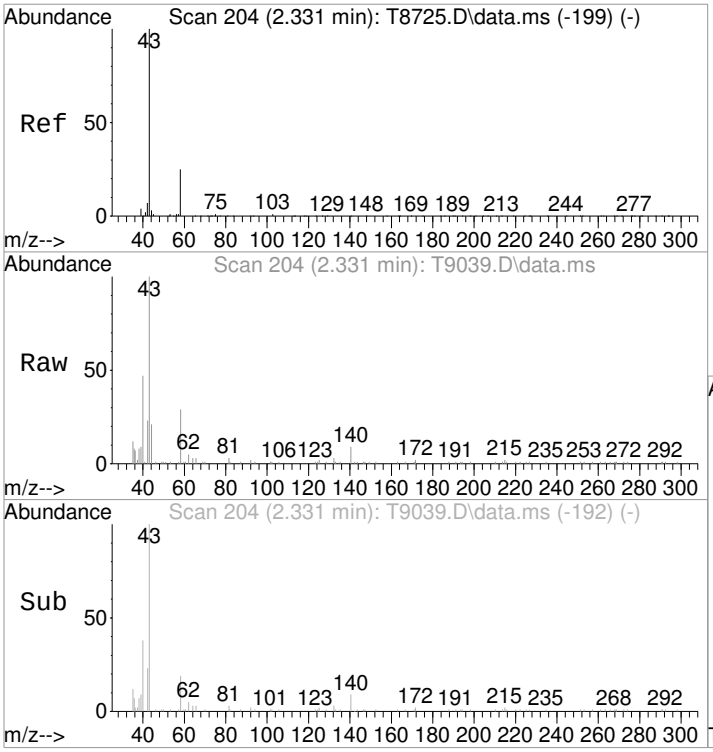
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9039.D
Acq On : 24 Sep 2021 11:57 pm
Operator : F.NAEGLER
Sample : R2109571-003|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 26 13:20:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



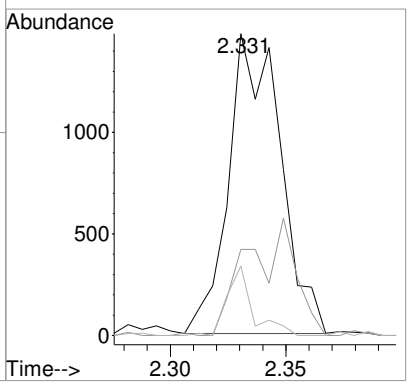
1st FJ 09/26/21
2nd 09/27/21

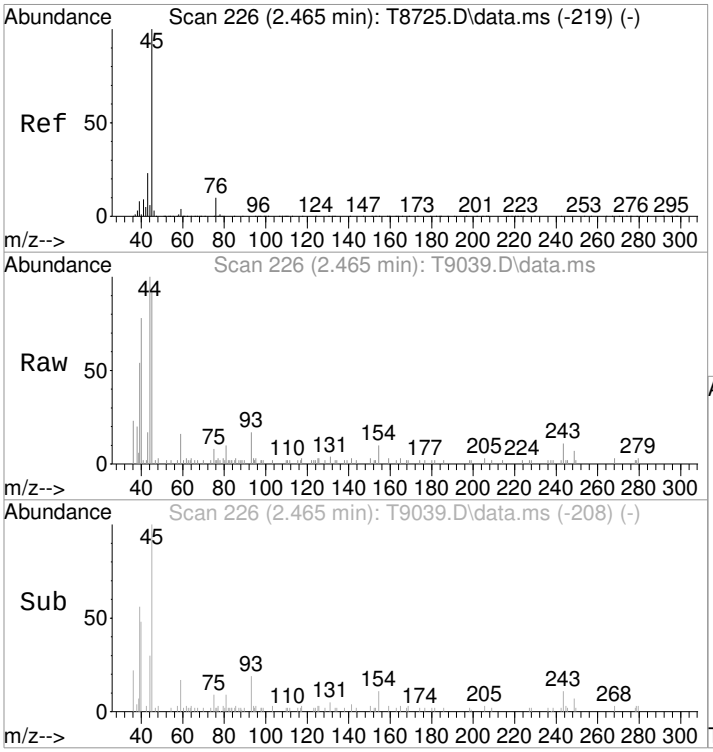


#15
Acetone
Concen: 1.45 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: T9039.D
Acq: 24 Sep 2021 11:57 pm

Tgt Ion: 43 Resp: 2297

Ion	Ratio	Lower	Upper
43	100		
58	28.6	4.9	44.9
42	23.0	0.0	27.1

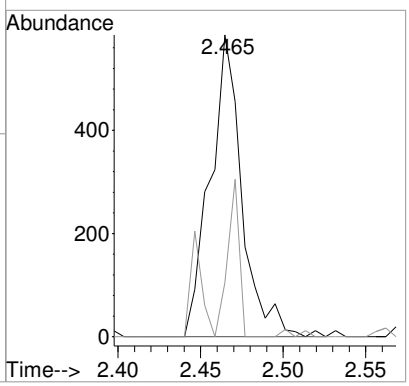


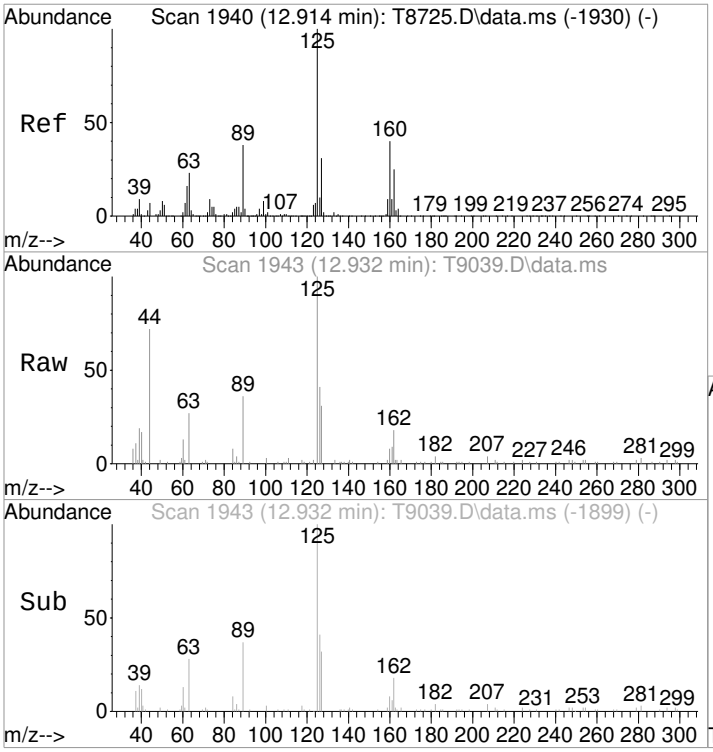


#16
2-Propanol
Concen: 2.32 ug/L
RT: 2.465 min Scan# 226
Delta R.T. 0.000 min
Lab File: T9039.D
Acq: 24 Sep 2021 11:57 pm

Tgt Ion: 45 Resp: 784

Ion	Ratio	Lower	Upper
45	100		
43	17.9	2.8	42.8

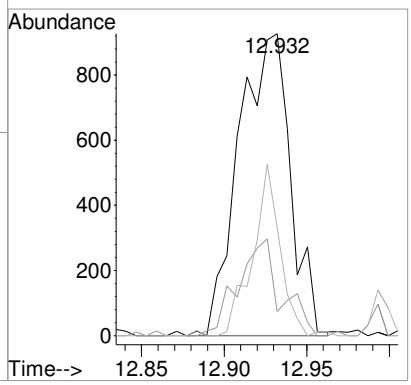


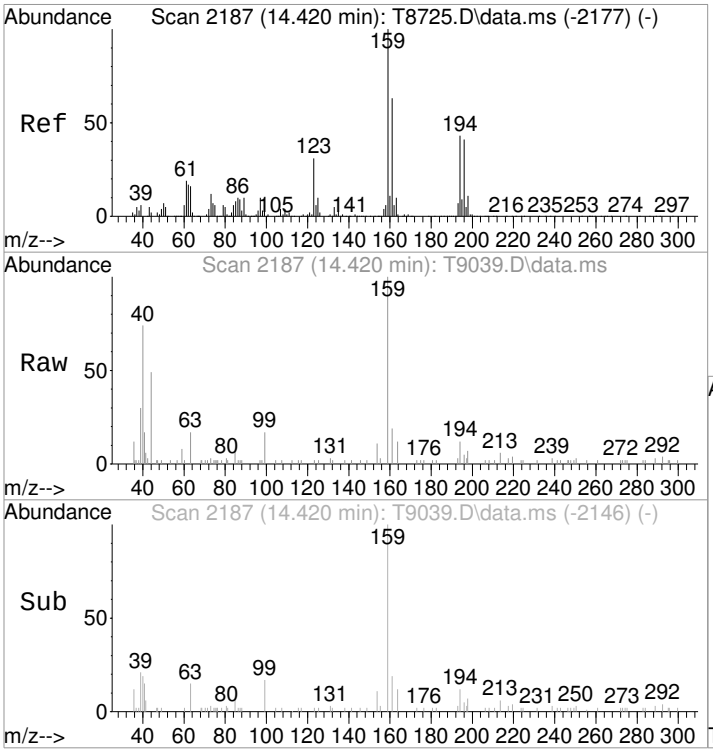


#111
Trielution Dichlorotoluene
Concen: 0.43 ug/L
RT: 12.932 min Scan# 1943
Delta R.T. 0.018 min
Lab File: T9039.D
Acq: 24 Sep 2021 11:57 pm

Tgt Ion:125 Resp: 2012

Ion	Ratio	Lower	Upper
125	100		
160	8.0	19.9	59.9#
89	35.9	18.2	58.2

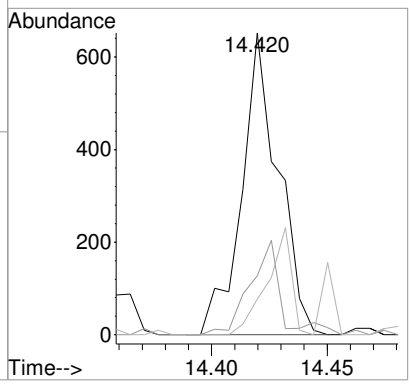




#118
2,4,5-Trichlorotoluene
Concen: 0.32 ug/L
RT: 14.420 min Scan# 2187
Delta R.T. 0.000 min
Lab File: T9039.D
Acq: 24 Sep 2021 11:57 pm

Tgt Ion:159 Resp: 714

Ion	Ratio	Lower	Upper
159	100		
161	19.5	42.7	82.7#
194	11.8	23.1	63.1#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9042.D
Acq On : 25 Sep 2021 1:02 am
Operator : F.NAEGLER
Sample : R2109571-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 26 13:25:46 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

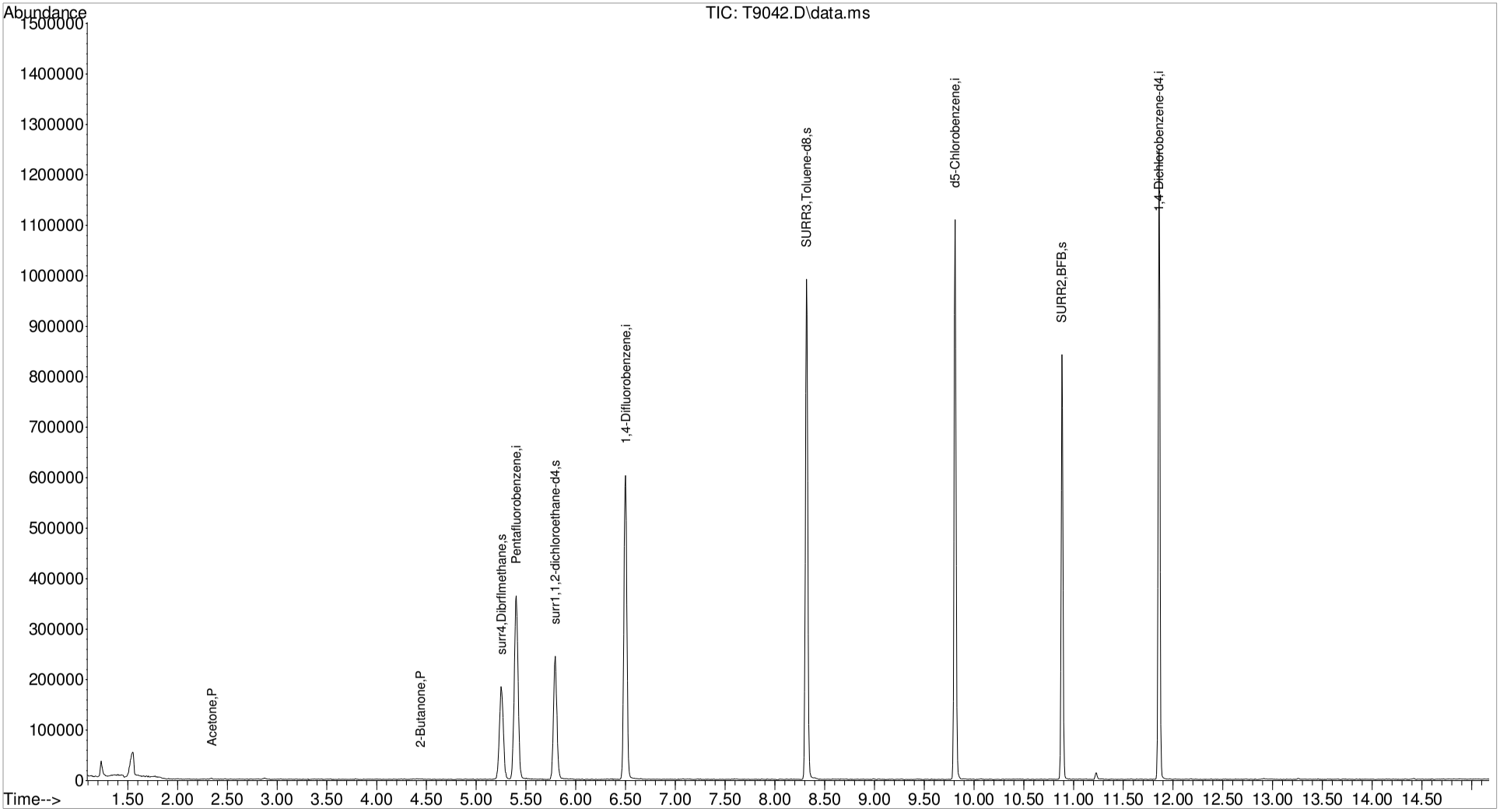
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	323872	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	532769	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	484616	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	225750	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	151816	51.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.08%			
46) surr1,1,2-dichloroetha...	5.793	65	204447	52.99	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.98%			
64) SURR3,Toluene-d8	8.317	98	609257	50.69	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.38%			
69) SURR2,BFB	10.884	95	215147	48.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.46%			
Target Compounds						Qvalue
15) Acetone	2.343	43	1585	1.06	ug/L #	83
34) 2-Butanone	4.440	43	763	0.35	ug/L	71

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

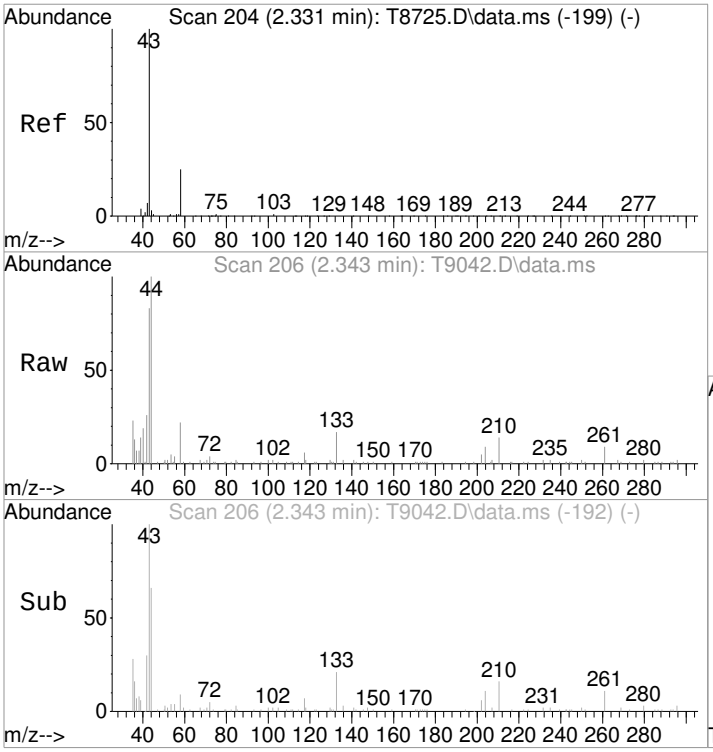
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9042.D
Acq On : 25 Sep 2021 1:02 am
Operator : F.NAEGLER
Sample : R2109571-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 26 13:25:46 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



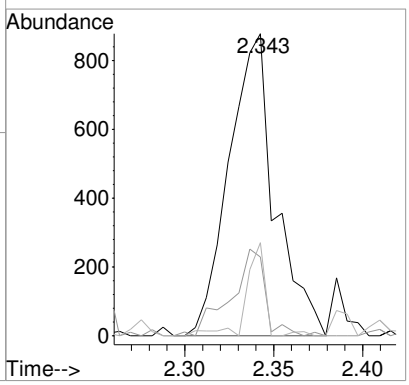
1st FJ 09/26/21
2nd 09/27/21

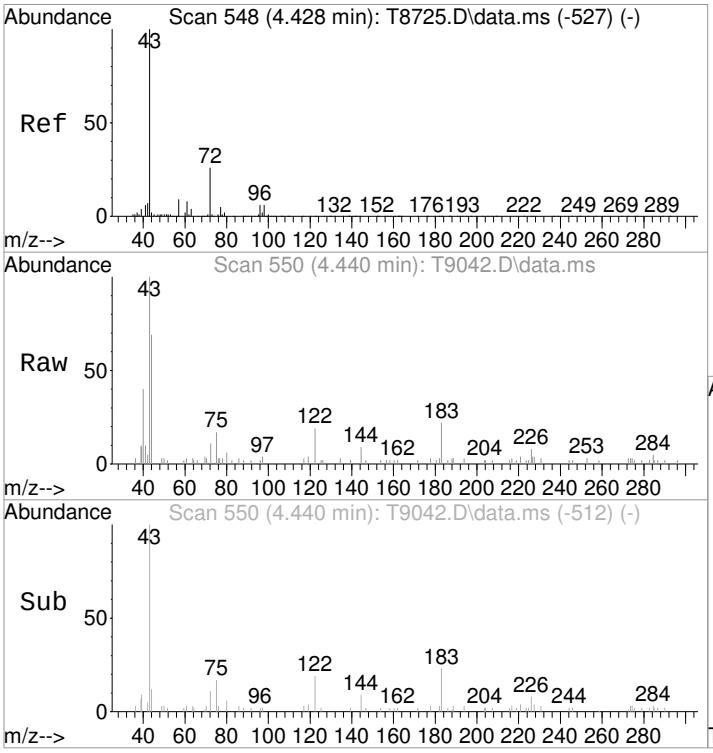


#15
Acetone
Concen: 1.06 ug/L
RT: 2.343 min Scan# 206
Delta R.T. 0.012 min
Lab File: T9042.D
Acq: 25 Sep 2021 1:02 am

Tgt Ion: 43 Resp: 1585

Ion	Ratio	Lower	Upper
43	100		
58	26.1	4.9	44.9
42	30.9	0.0	27.1#

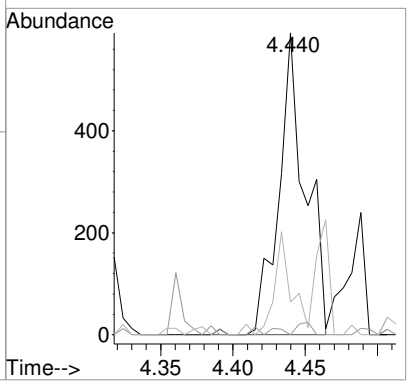




#34
2-Butanone
Concen: 0.35 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T9042.D
Acq: 25 Sep 2021 1:02 am

Tgt Ion: 43 Resp: 763

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.5
72	10.8	6.2	46.2

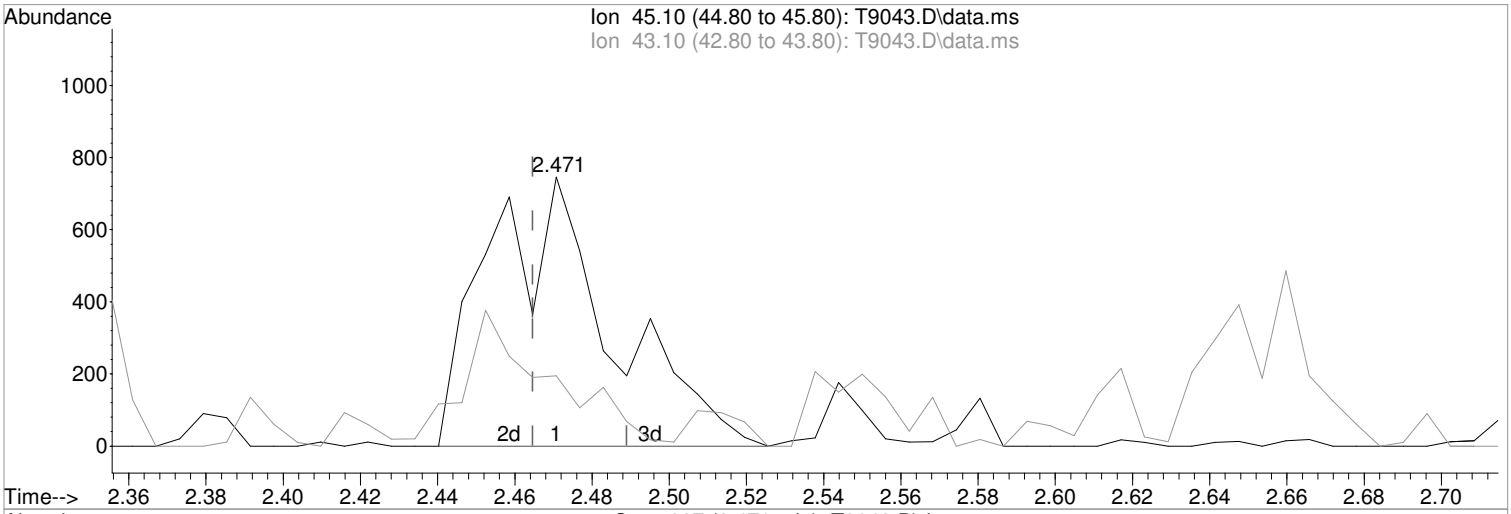


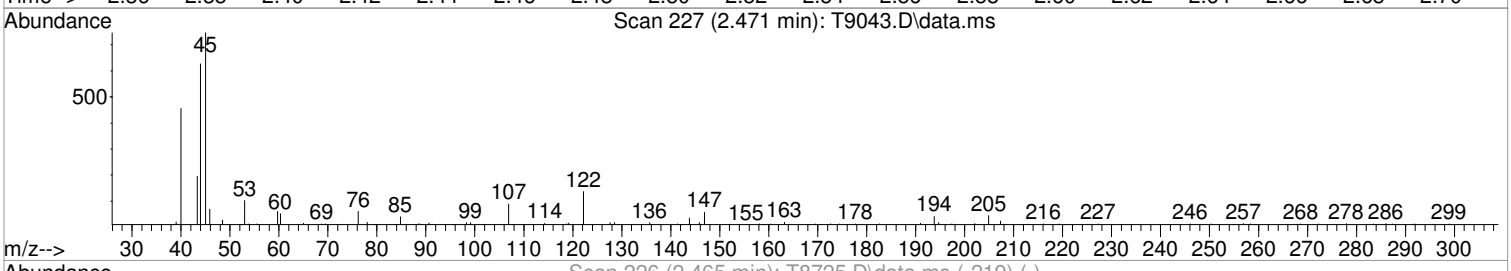
1st FN 09/26/21
2nd 09/27/21

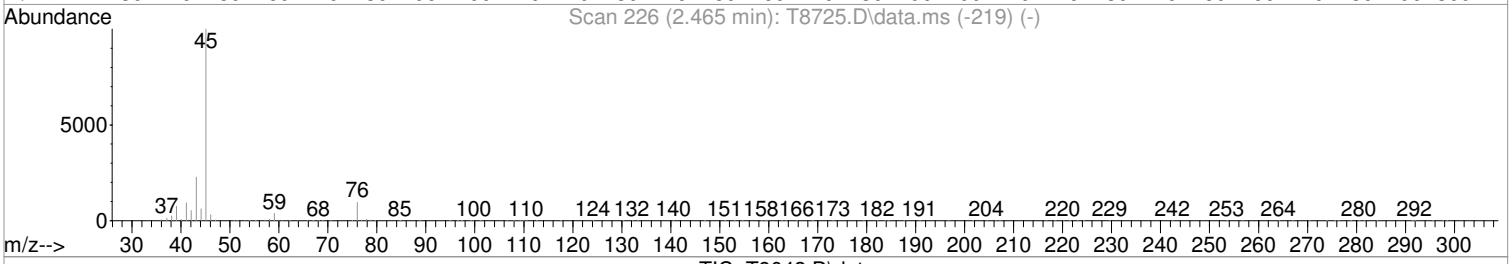
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9043.D
Acq On : 25 Sep 2021 1:24 am
Operator : F.NAEGLER
Sample : R2109571-005|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 25 10:10:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9043.D\data.ms

(16) 2-Propanol

2.471min (+0.006) 5.22 ug/L m

response 1659

Ion	Exp%	Act%
45.10	100	100
43.10	22.80	26.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

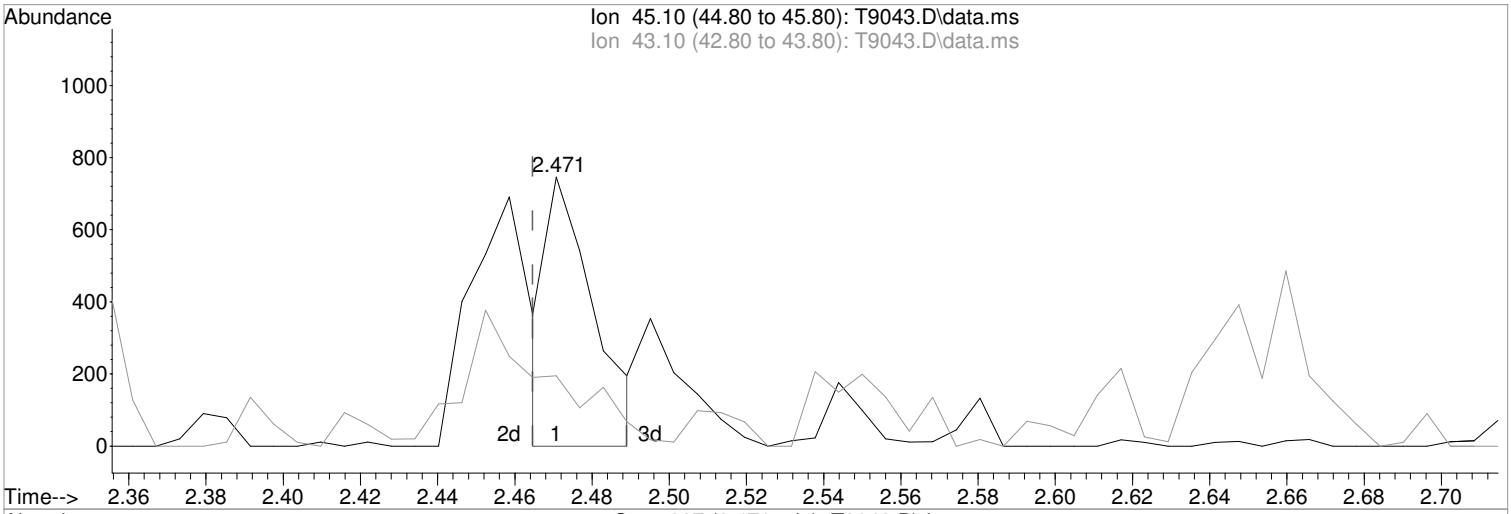
Poor integration.

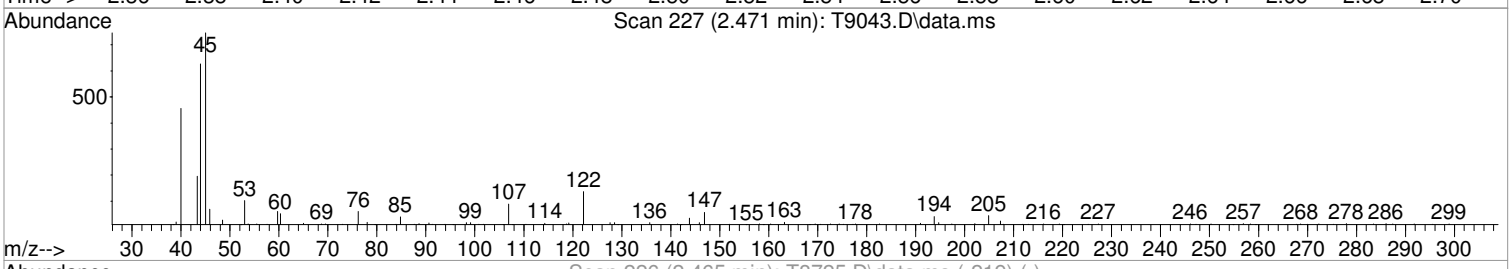
09/26/21

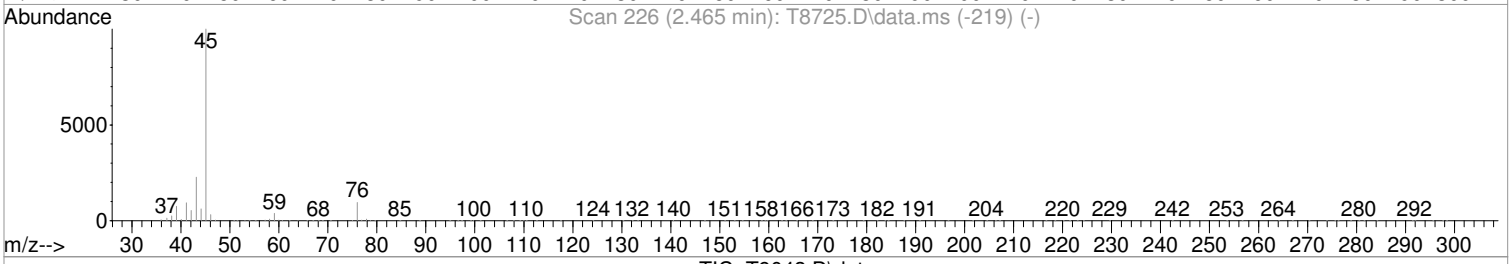
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9043.D
Acq On : 25 Sep 2021 1:24 am
Operator : F.NAEGLER
Sample : R2109571-005|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 25 10:10:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9043.D\data.ms

(16) 2-Propanol

2.471min (+0.006) 2.01 ug/L

response 639

Ion	Exp%	Act%
45.10	100	100
43.10	22.80	26.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/26/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9043.D
Acq On : 25 Sep 2021 1:24 am
Operator : F.NAEGLER
Sample : R2109571-005|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 26 13:27:10 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

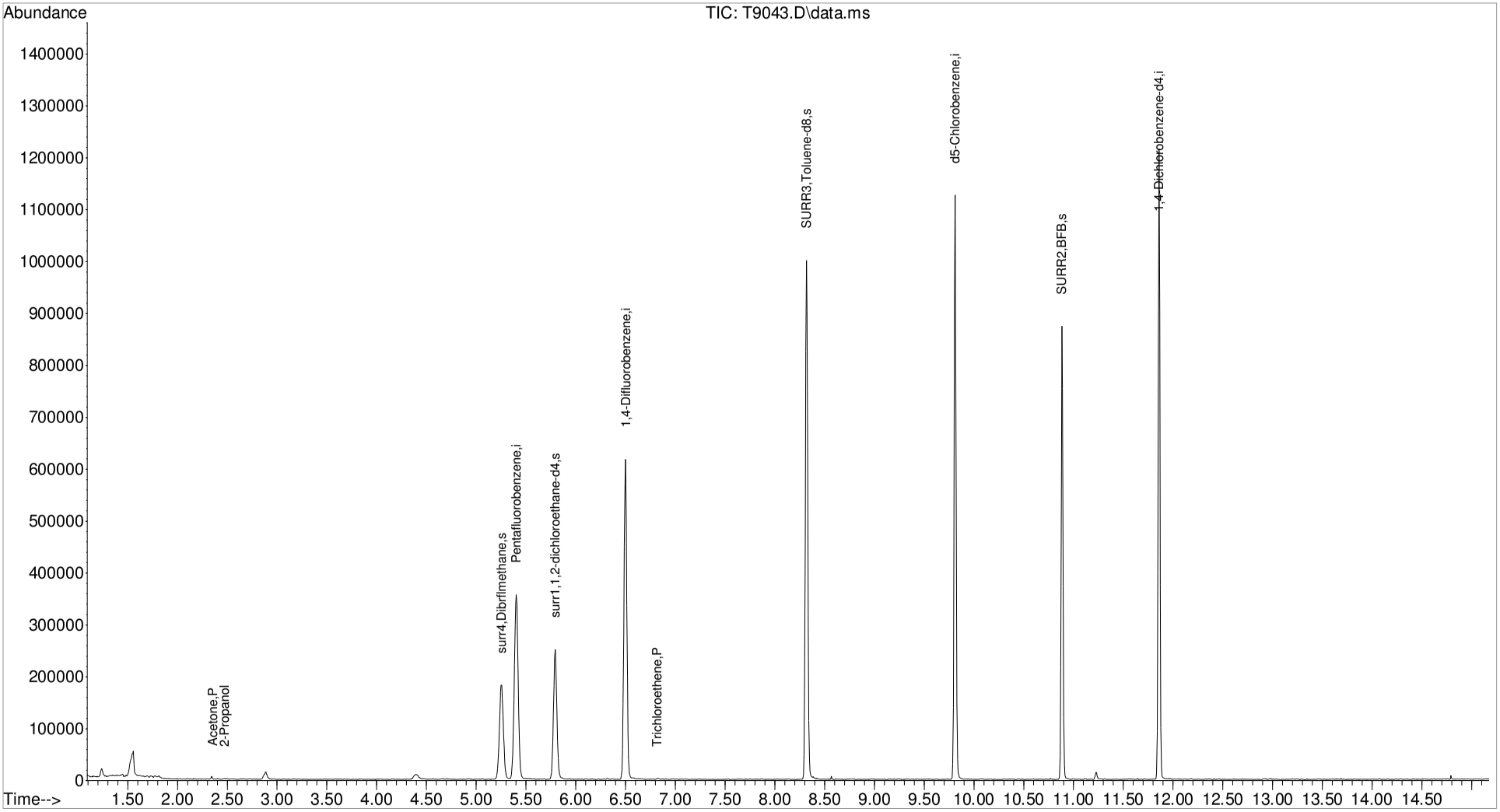
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	323003	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	528301	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	491020	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	226507	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	152899	51.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.68%			
46) surr1,1,2-dichloroetha...	5.793	65	203473	53.18	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.36%			
64) SURR3,Toluene-d8	8.317	98	621135	52.12	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.24%			
69) SURR2,BFB	10.884	95	219505	49.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.24%			
Target Compounds						Qvalue
15) Acetone	2.349	43	2203	1.47	ug/L #	63
16) 2-Propanol	2.471	45	1659m	5.22	ug/L	
53) Trichloroethene	6.817	130	1106	0.36	ug/L #	47

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

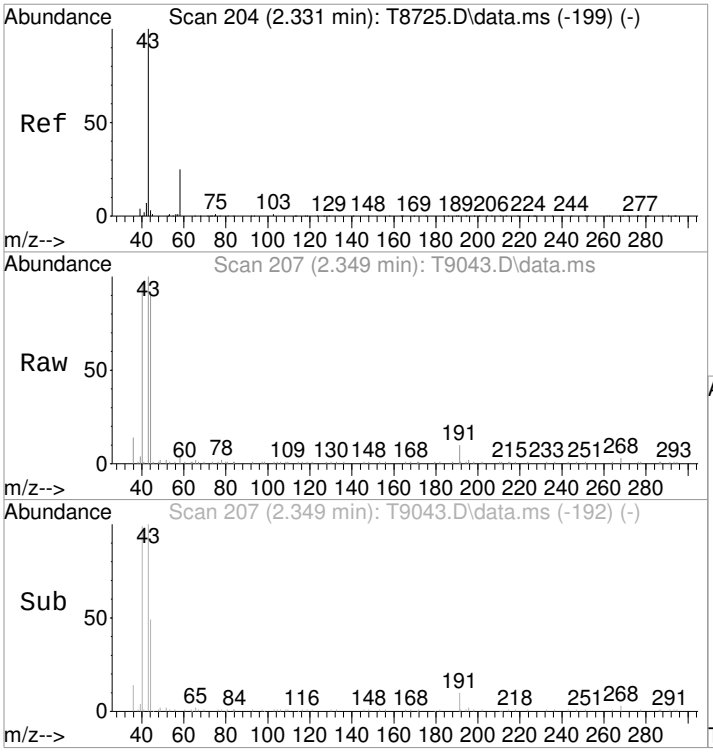
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9043.D
Acq On : 25 Sep 2021 1:24 am
Operator : F.NAEGLER
Sample : R2109571-005|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 26 13:27:10 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



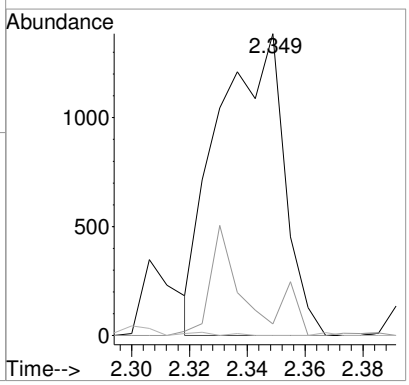
1st FJ 09/26/21
2nd 09/27/21

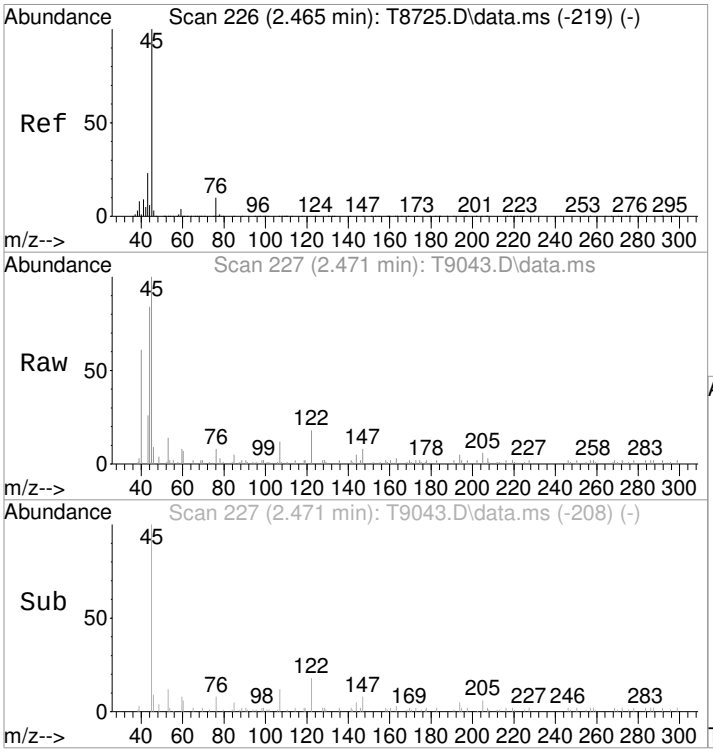


#15
Acetone
Concen: 1.47 ug/L
RT: 2.349 min Scan# 207
Delta R.T. 0.018 min
Lab File: T9043.D
Acq: 25 Sep 2021 1:24 am

Tgt Ion: 43 Resp: 2203

Ion	Ratio	Lower	Upper
43	100		
58	3.9	4.9	44.9#
42	0.0	0.0	27.1

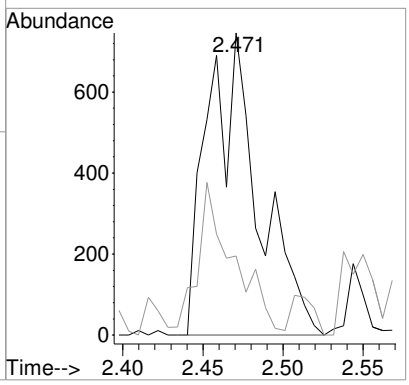


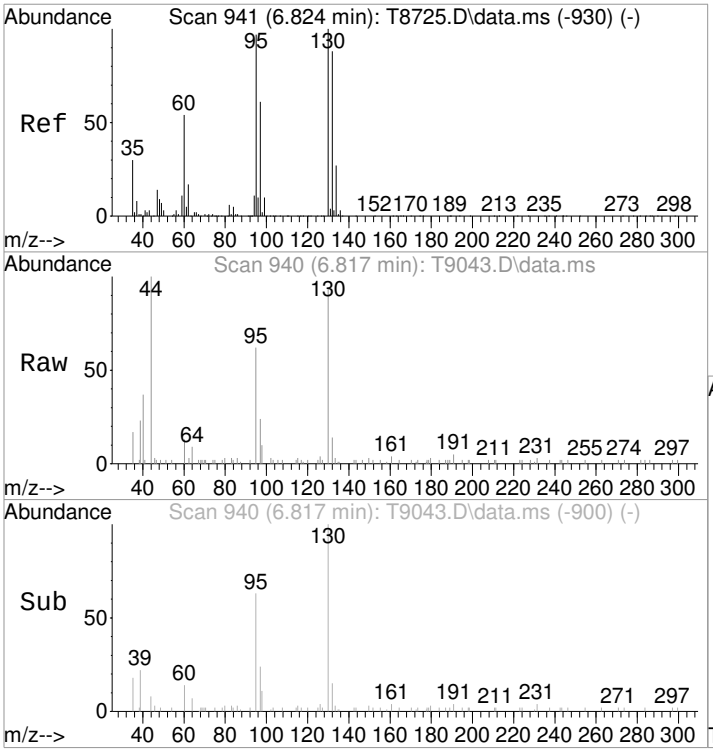


#16
2-Propanol
Concen: 5.22 ug/L m
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T9043.D
Acq: 25 Sep 2021 1:24 am

Tgt Ion: 45 Resp: 1659

Ion	Ratio	Lower	Upper
45	100		
43	26.1	2.8	42.8

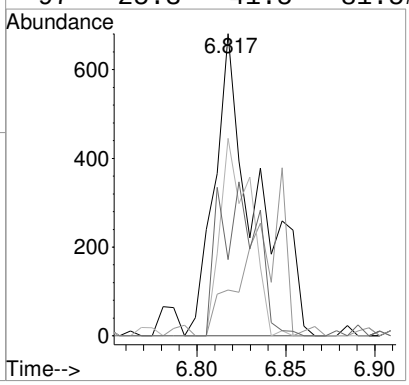




#53
Trichloroethene
Concen: 0.36 ug/L
RT: 6.817 min Scan# 940
Delta R.T. -0.006 min
Lab File: T9043.D
Acq: 25 Sep 2021 1:24 am

Tgt Ion:130 Resp: 1106

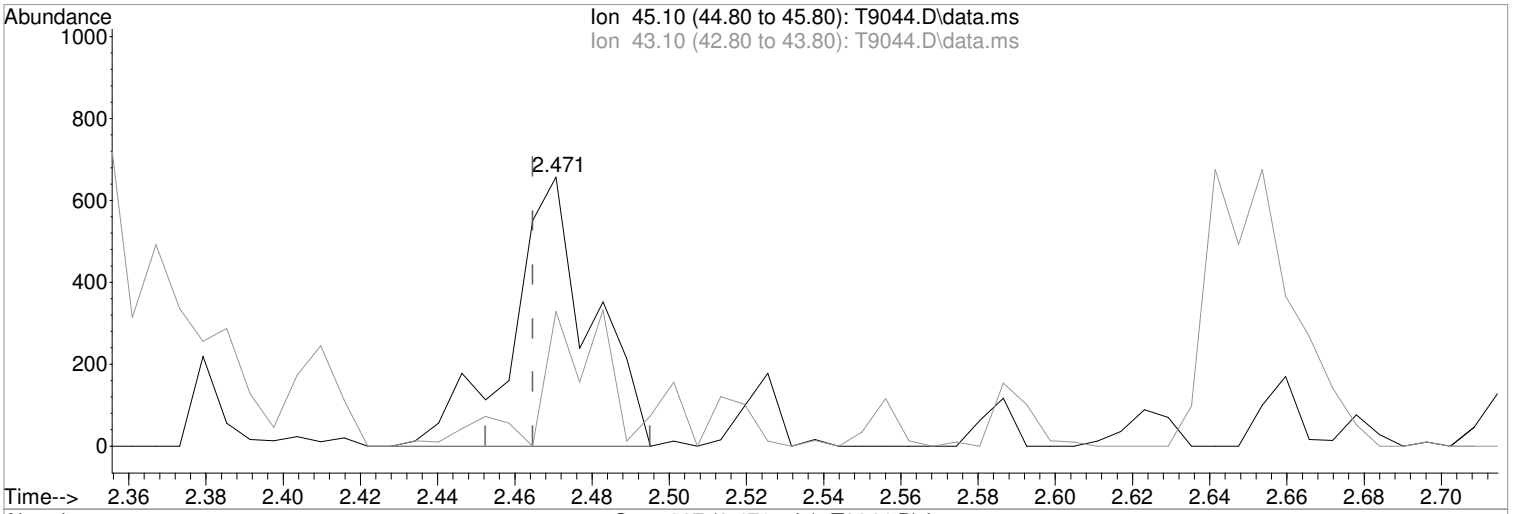
Ion	Ratio	Lower	Upper
130	100		
132	15.1	68.5	108.5#
95	65.3	76.7	116.7#
97	25.3	41.5	81.5#

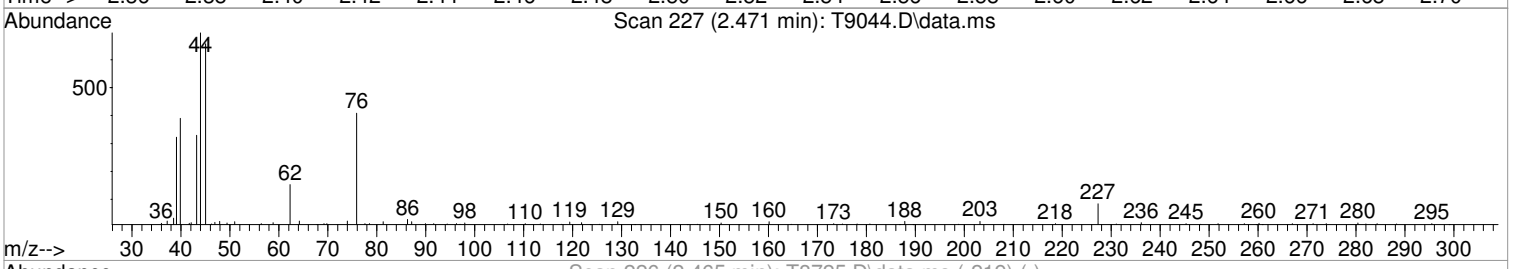


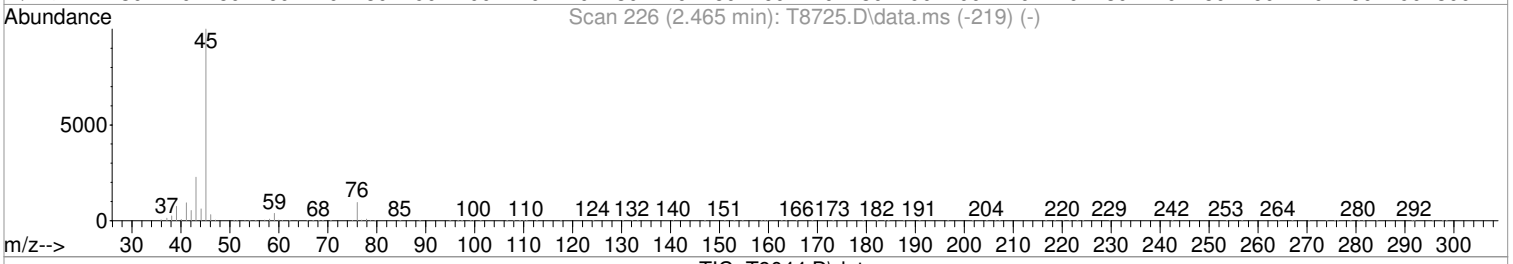
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9044.D
Acq On : 25 Sep 2021 1:46 am
Operator : F.NAEGLER
Sample : R2109571-006|5.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 25 10:11:12 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9044.D\data.ms

(16) 2-Propanol

2.471min (+0.006) 2.88 ug/L m

response 926

Ion	Exp%	Act%
45.10	100	100
43.10	22.80	50.08#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

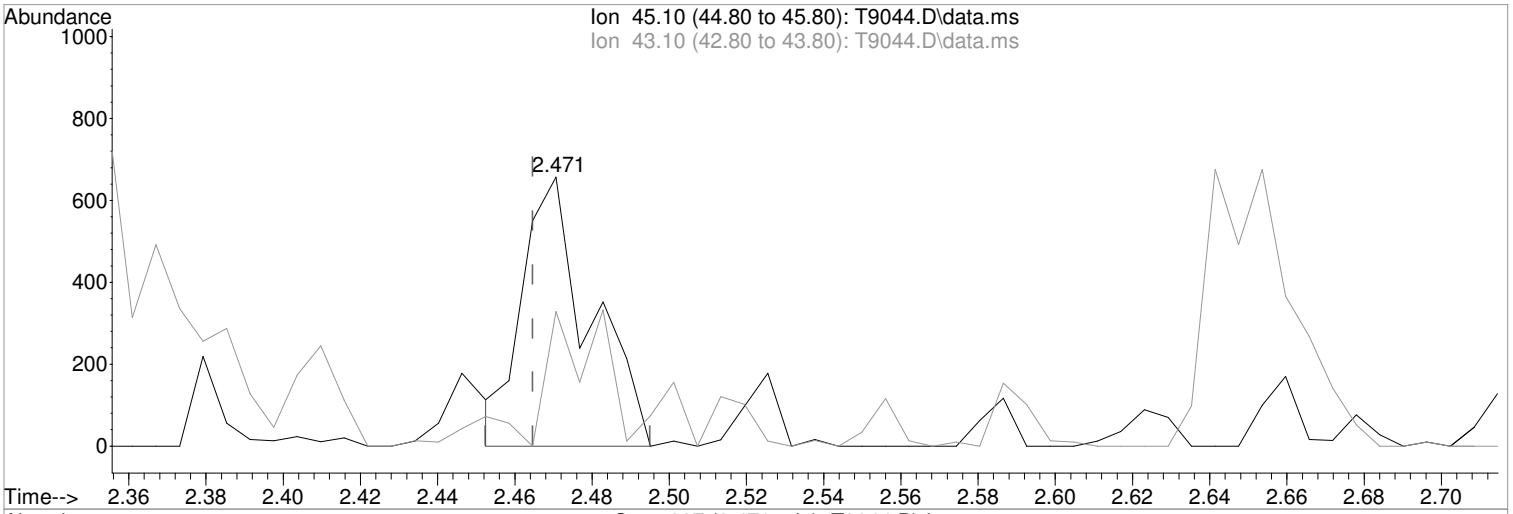
Poor integration.

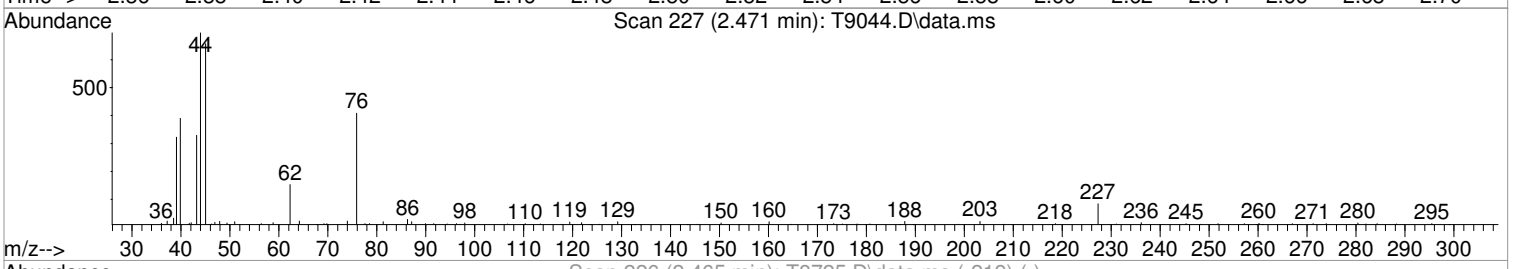
09/27/21

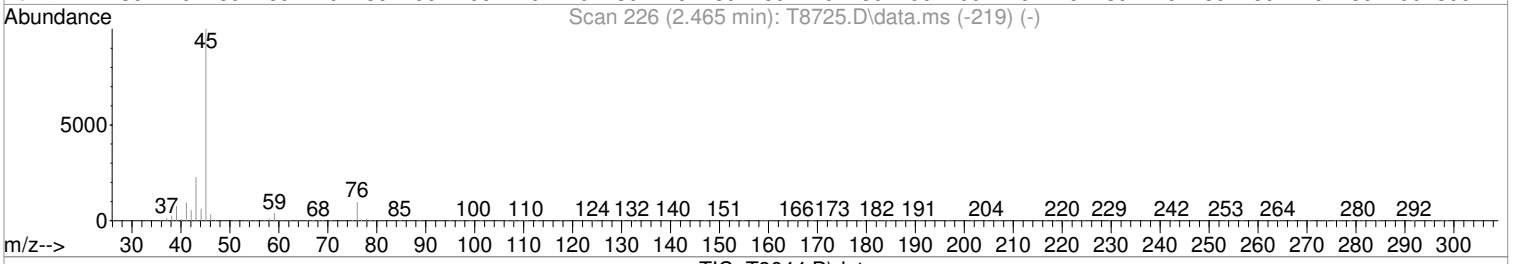
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9044.D
Acq On : 25 Sep 2021 1:46 am
Operator : F.NAEGLER
Sample : R2109571-006|5.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 25 10:11:12 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9044.D\data.ms

(16) 2-Propanol

2.471min (+0.006) 2.48 ug/L

response 795

Ion	Exp%	Act%
45.10	100	100
43.10	22.80	50.08#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

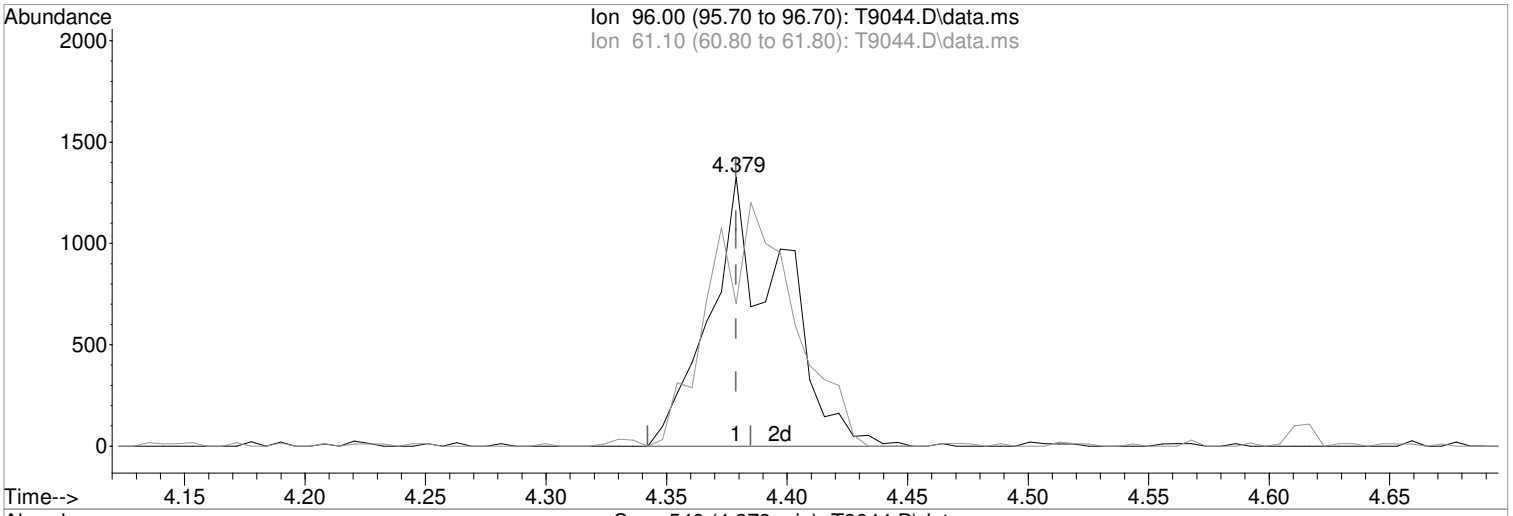
Before

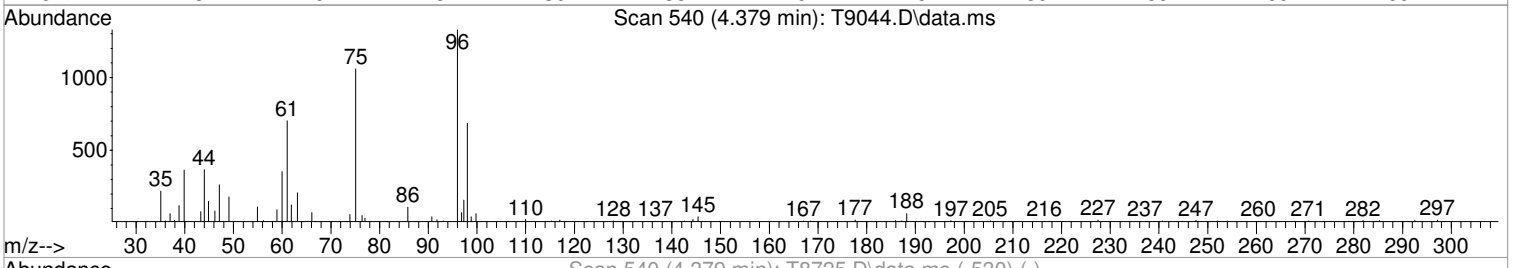
09/27/21

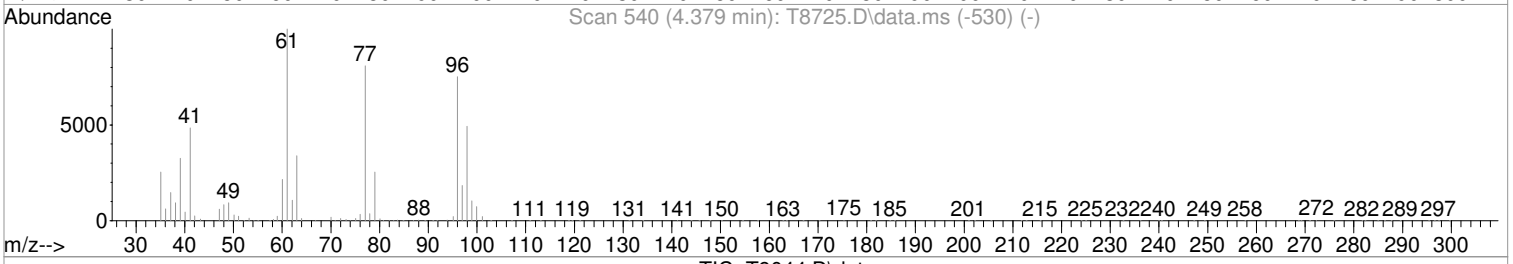
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9044.D
Acq On : 25 Sep 2021 1:46 am
Operator : F.NAEGLER
Sample : R2109571-006|5.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 25 10:11:12 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9044.D\data.ms

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

4.379min (-0.000) 0.82 ug/L m

response 2771

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	52.98#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

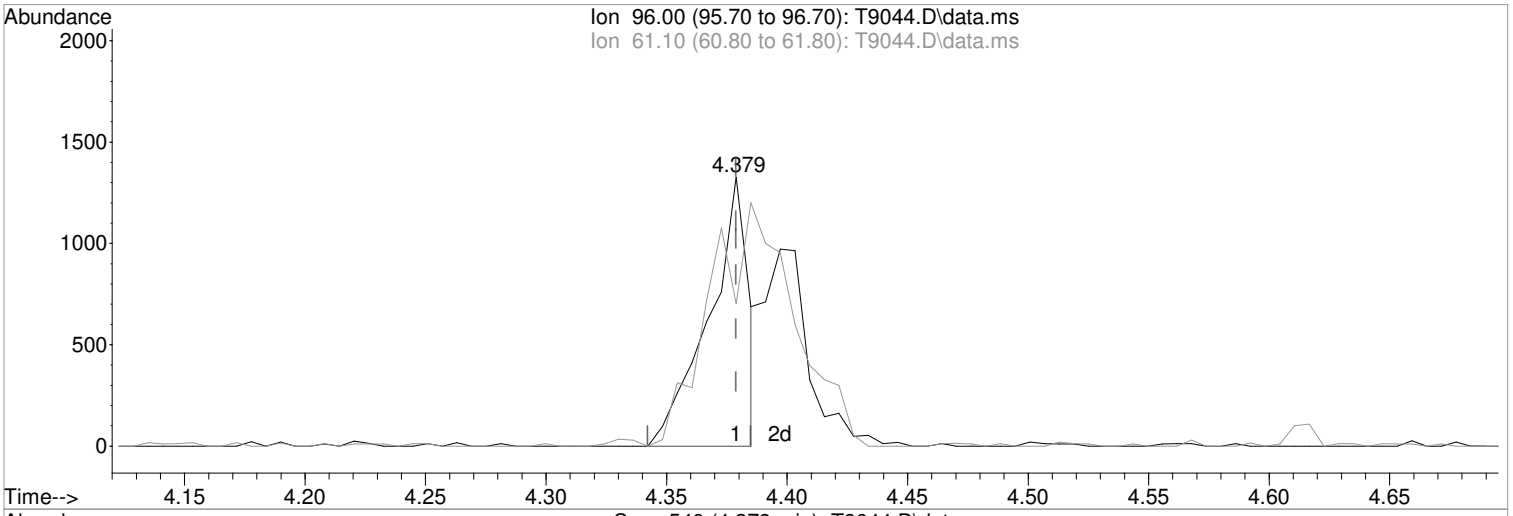
Poor integration.

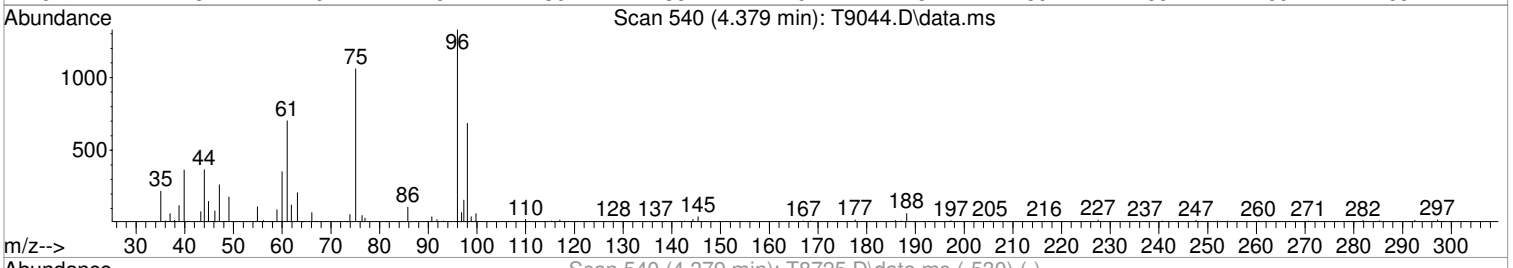
09/27/21

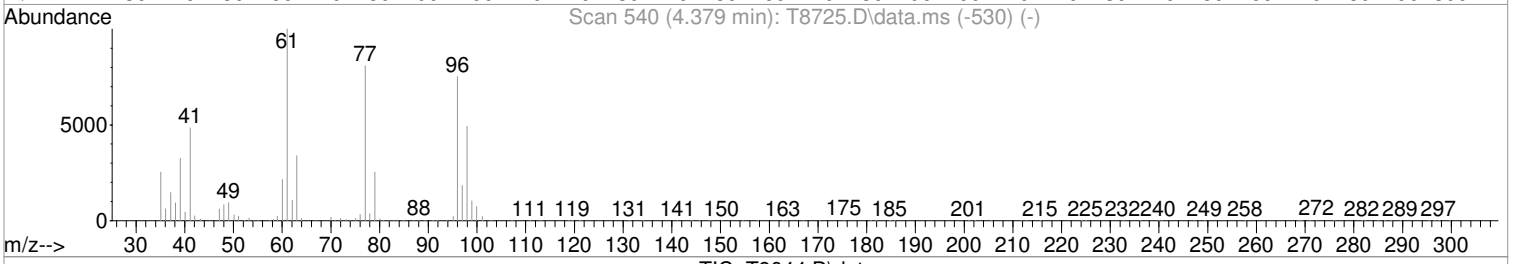
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9044.D
Acq On : 25 Sep 2021 1:46 am
Operator : F.NAEGLER
Sample : R2109571-006|5.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 25 10:11:12 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9044.D\data.ms

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

4.379min (-0.000) 0.45 ug/L

response 1522

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	52.98#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9044.D
Acq On : 25 Sep 2021 1:46 am
Operator : F.NAEGLER
Sample : R2109571-006|5.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 27 10:06:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

foamy sample

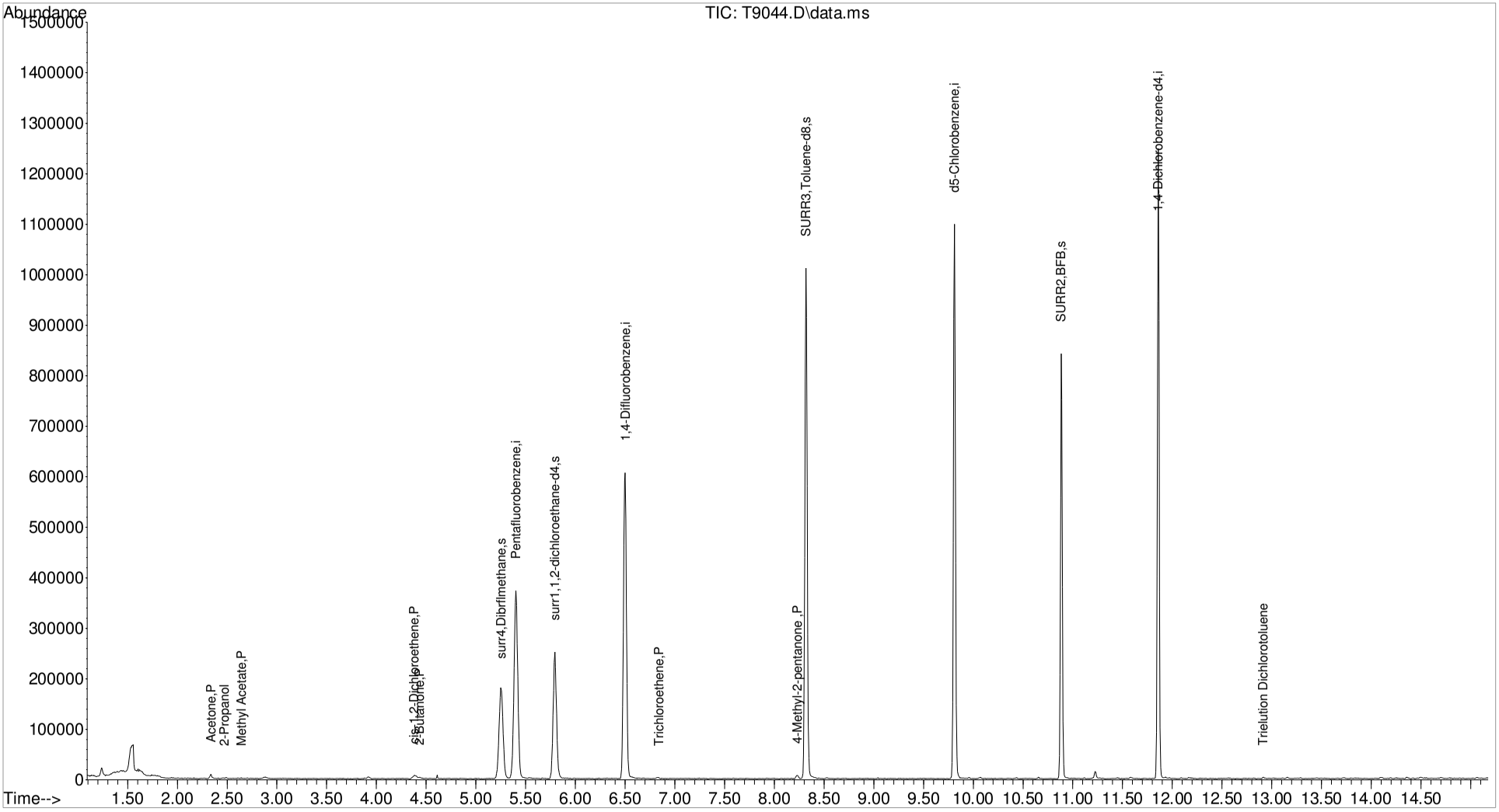
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	326288	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	523270	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	475349	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	231646	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	146624	50.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 100.38%			
46) surr1,1,2-dichloroetha...	5.793	65	202937	53.55	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.10%			
64) SURR3,Toluene-d8	8.317	98	607133	51.43	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.86%			
69) SURR2,BFB	10.884	95	216700	49.46	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.92%			
Target Compounds						Qvalue
15) Acetone	2.337	43	7197	4.76	ug/L	81
16) 2-Propanol	2.471	45	926m	2.88	ug/L	
21) Methyl Acetate	2.641	43	1013	0.28	ug/L	78
33) cis-1,2-Dichloroethene	4.379	96	2771m	0.82	ug/L	
34) 2-Butanone	4.434	43	3539	1.61	ug/L	87
53) Trichloroethene	6.842	130	906	0.30	ug/L #	43
63) 4-Methyl-2-pentanone	8.232	43	4242	1.01	ug/L	94
111) Trielution Dichlorotol...	12.914	125	936	0.20	ug/L #	61

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

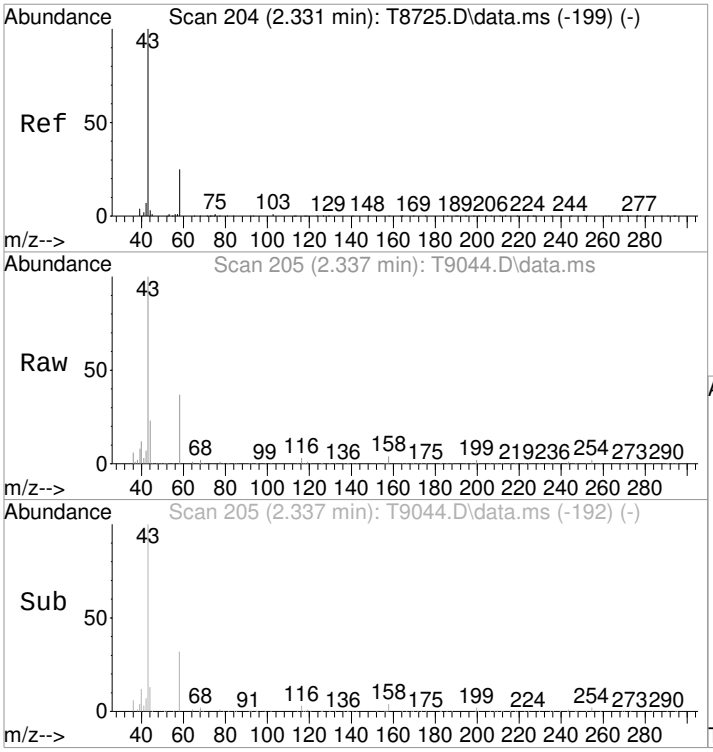
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9044.D
Acq On : 25 Sep 2021 1:46 am
Operator : F.NAEGLER
Sample : R2109571-006|5.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 27 10:06:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



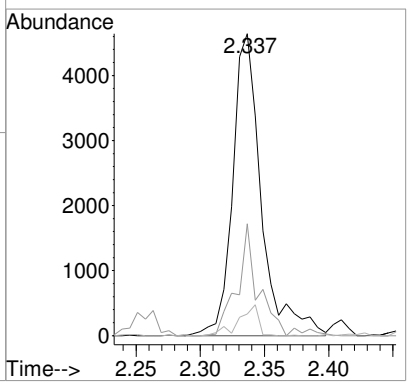
1st FJ 09/27/21
2nd 09/27/21

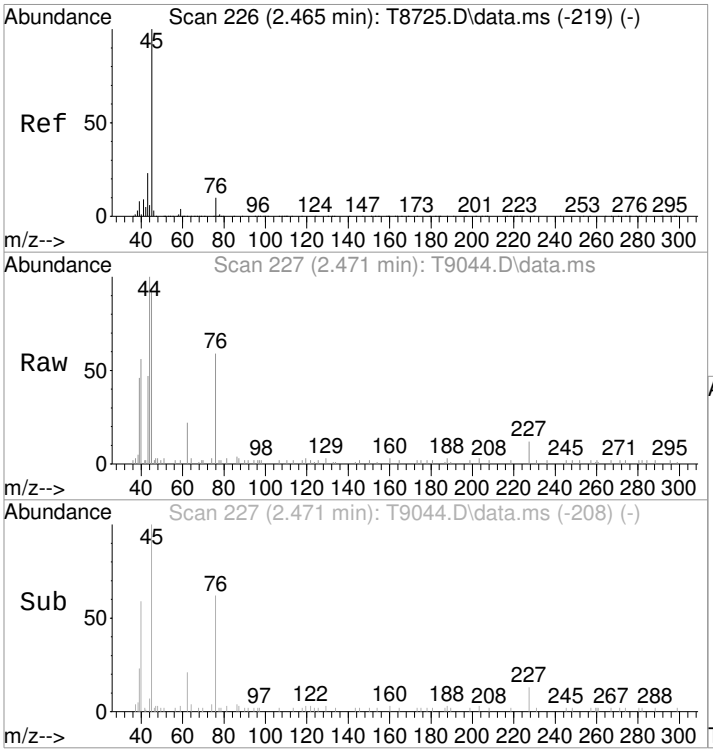


#15
Acetone
Concen: 4.76 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9044.D
Acq: 25 Sep 2021 1:46 am

Tgt Ion: 43 Resp: 7197

Ion	Ratio	Lower	Upper
43	100		
58	37.1	4.9	44.9
42	7.2	0.0	27.1

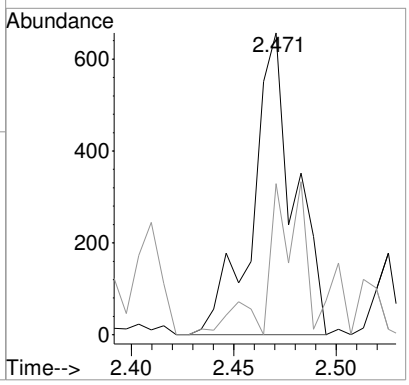


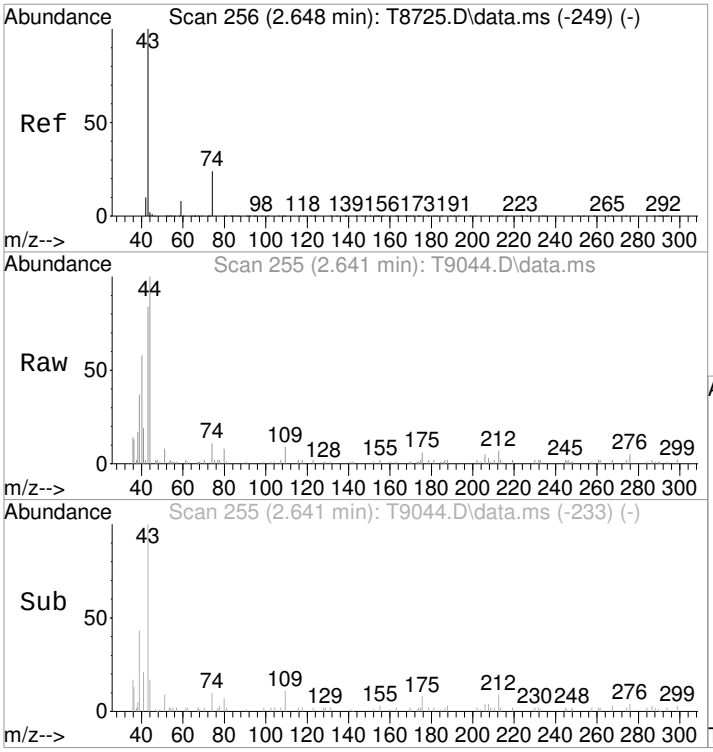


#16
2-Propanol
Concen: 2.88 ug/L m
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T9044.D
Acq: 25 Sep 2021 1:46 am

Tgt Ion: 45 Resp: 926

Ion	Ratio	Lower	Upper
45	100		
43	50.1	2.8	42.8#

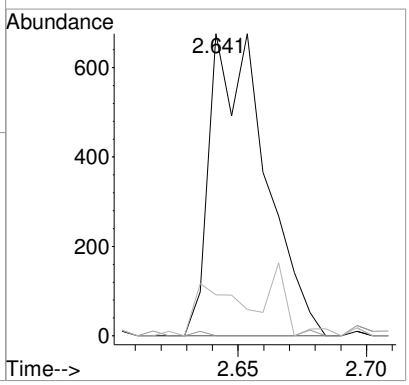


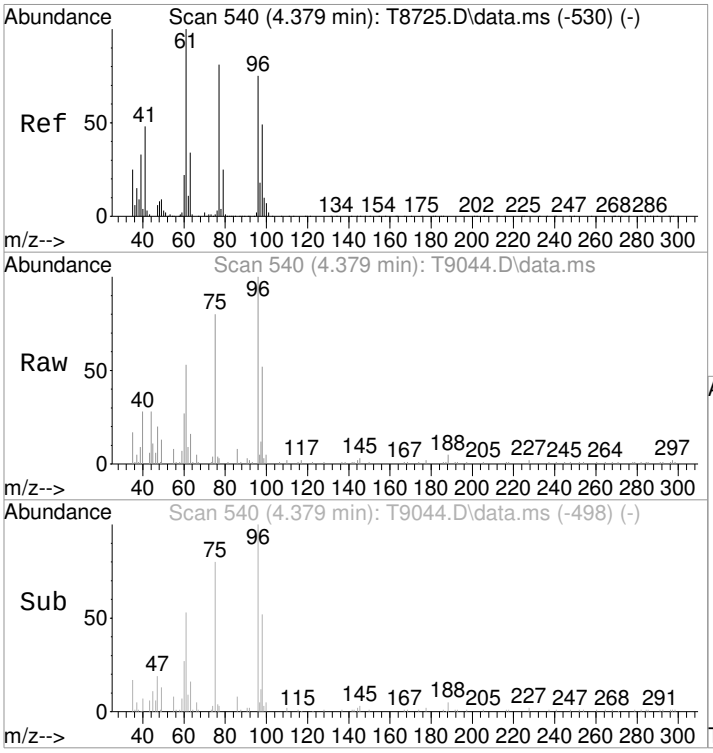


#21
Methyl Acetate
Concen: 0.28 ug/L
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T9044.D
Acq: 25 Sep 2021 1:46 am

Tgt Ion: 43 Resp: 1013

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	13.6	4.4	44.4

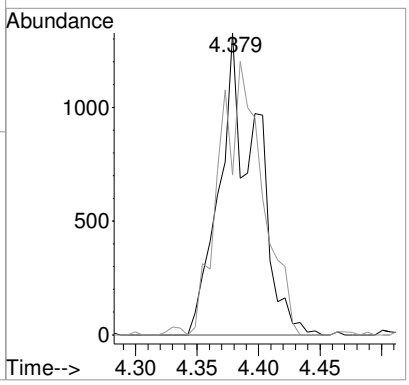


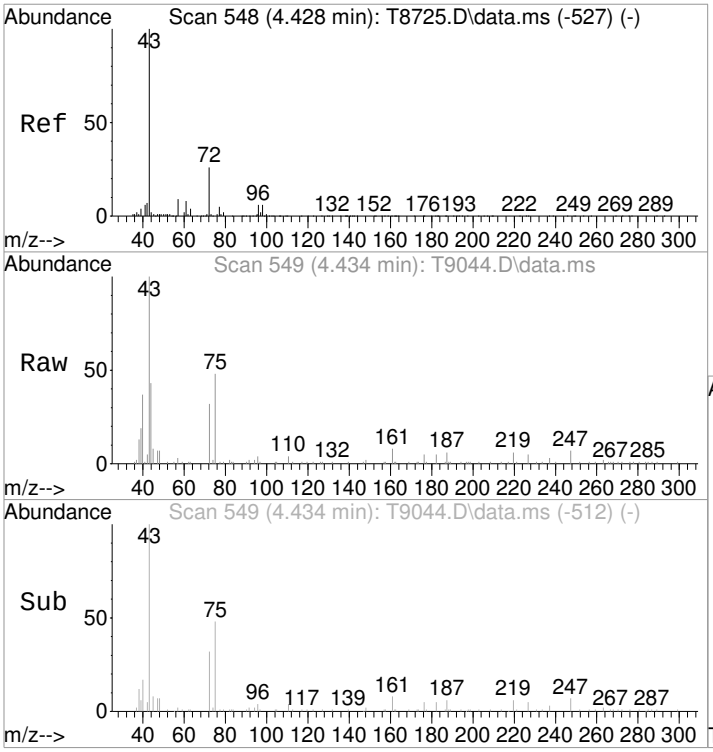


#33
cis-1,2-Dichloroethene
Concen: 0.82 ug/L m
RT: 4.379 min Scan# 540
Delta R.T. -0.000 min
Lab File: T9044.D
Acq: 25 Sep 2021 1:46 am

Tgt Ion: 96 Resp: 2771

Ion	Ratio	Lower	Upper
96	100		
61	53.0	113.1	153.1#

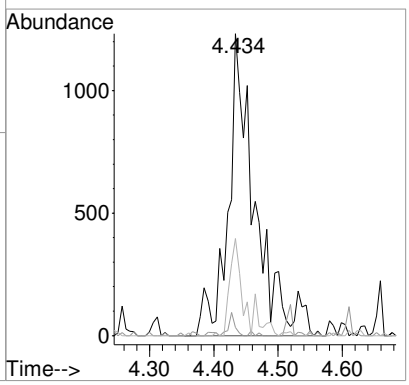


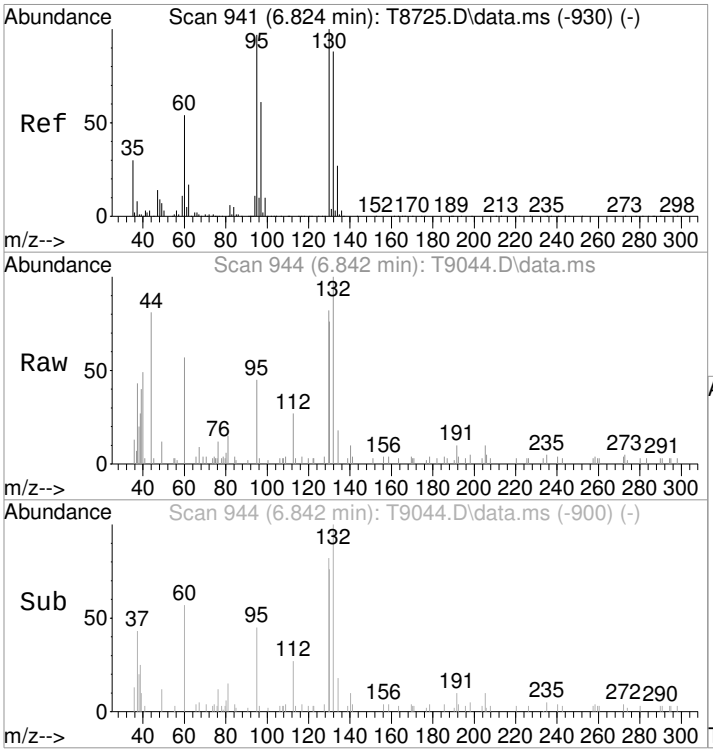


#34
2-Butanone
Concen: 1.61 ug/L
RT: 4.434 min Scan# 549
Delta R.T. 0.006 min
Lab File: T9044.D
Acq: 25 Sep 2021 1:46 am

Tgt Ion: 43 Resp: 3539

Ion	Ratio	Lower	Upper
43	100		
57	2.8	0.0	28.5
72	32.1	6.2	46.2

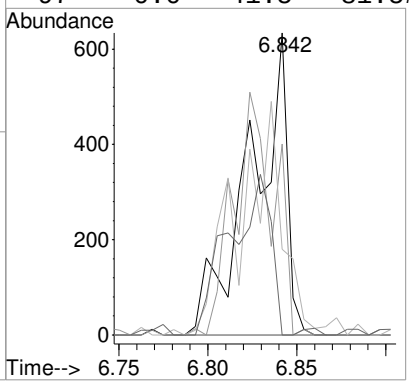


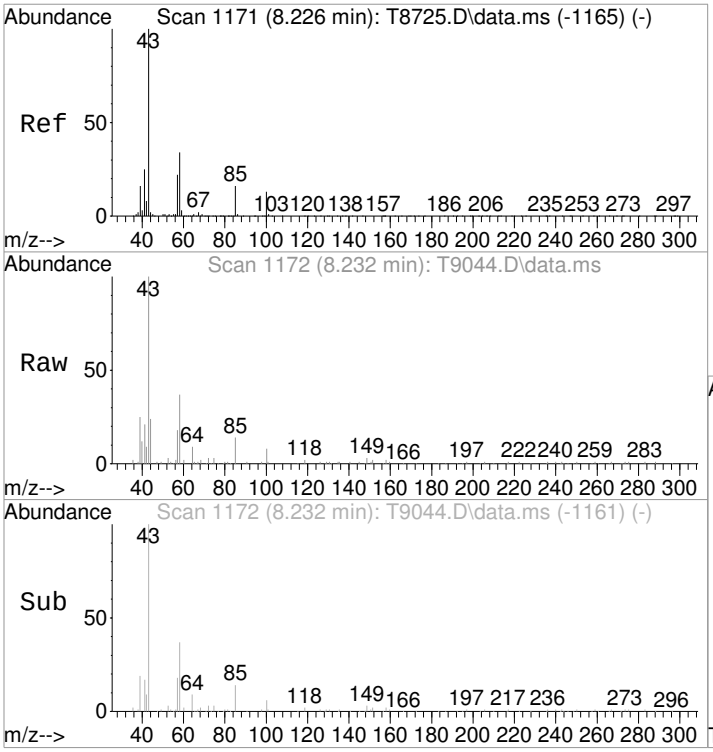


#53
Trichloroethene
Concen: 0.30 ug/L
RT: 6.842 min Scan# 944
Delta R.T. 0.018 min
Lab File: T9044.D
Acq: 25 Sep 2021 1:46 am

Tgt Ion:130 Resp: 906

Ion	Ratio	Lower	Upper
130	100		
132	63.2	68.5	108.5#
95	28.4	76.7	116.7#
97	0.0	41.5	81.5#

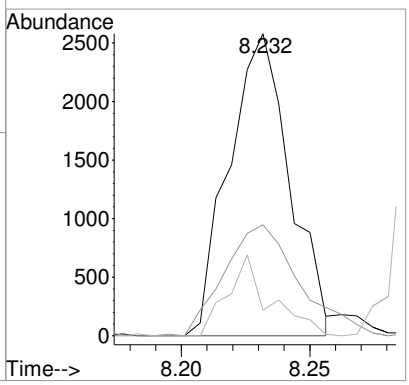


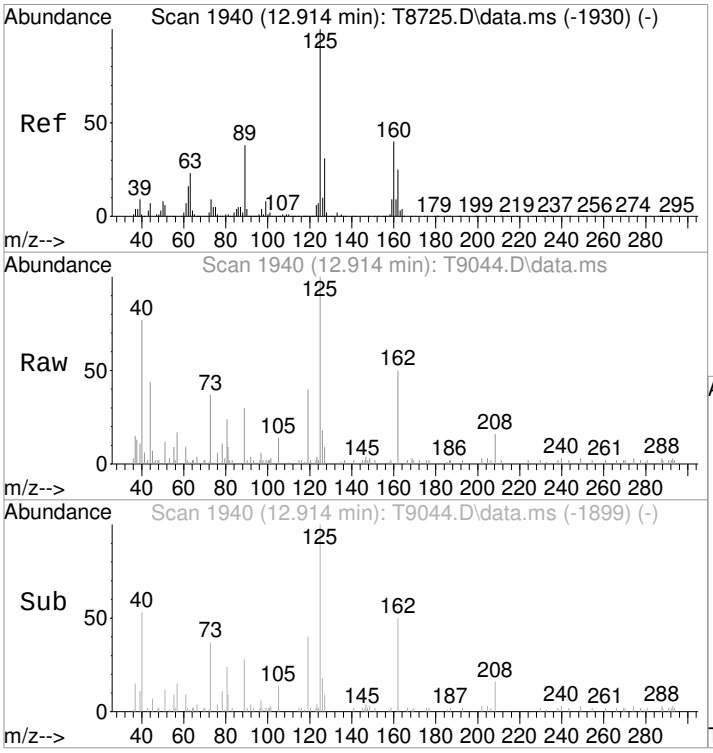


#63
4-Methyl-2-pentanone
Concen: 1.01 ug/L
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: T9044.D
Acq: 25 Sep 2021 1:46 am

Tgt Ion: 43 Resp: 4242

Ion	Ratio	Lower	Upper
43	100		
58	36.7	14.2	54.2
100	9.3	0.0	32.8

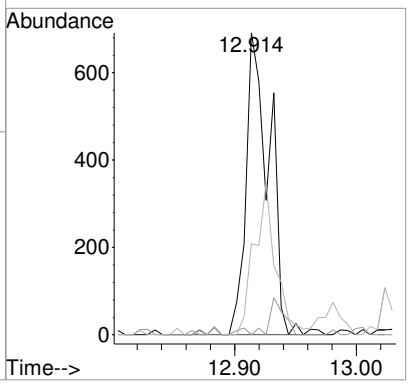




#111
Trielution Dichlorotoluene
Concen: 0.20 ug/L
RT: 12.914 min Scan# 1940
Delta R.T. -0.000 min
Lab File: T9044.D
Acq: 25 Sep 2021 1:46 am

Tgt Ion:125 Resp: 936

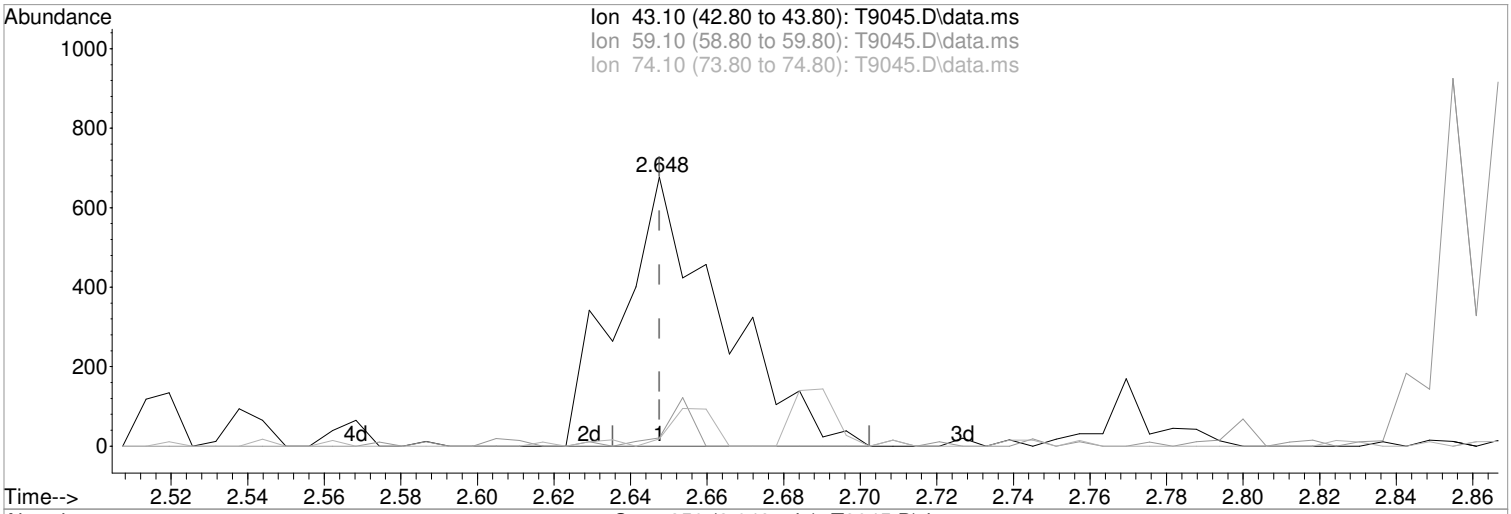
Ion	Ratio	Lower	Upper
125	100		
160	0.0	19.9	59.9#
89	30.2	18.2	58.2

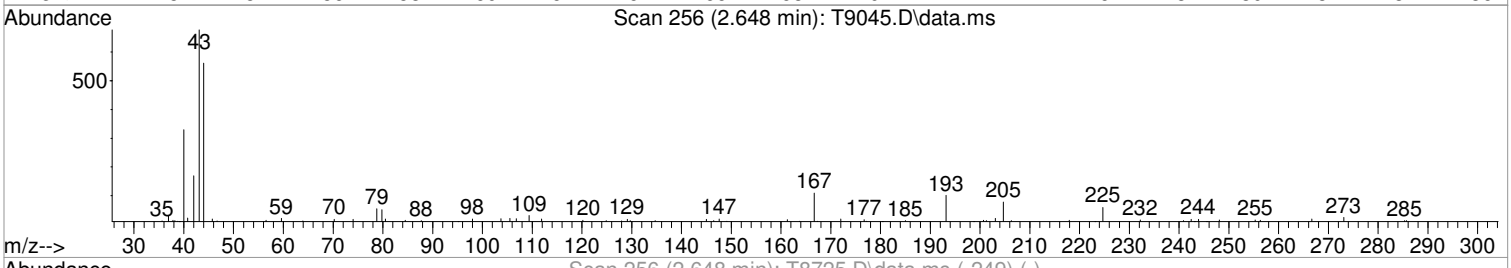


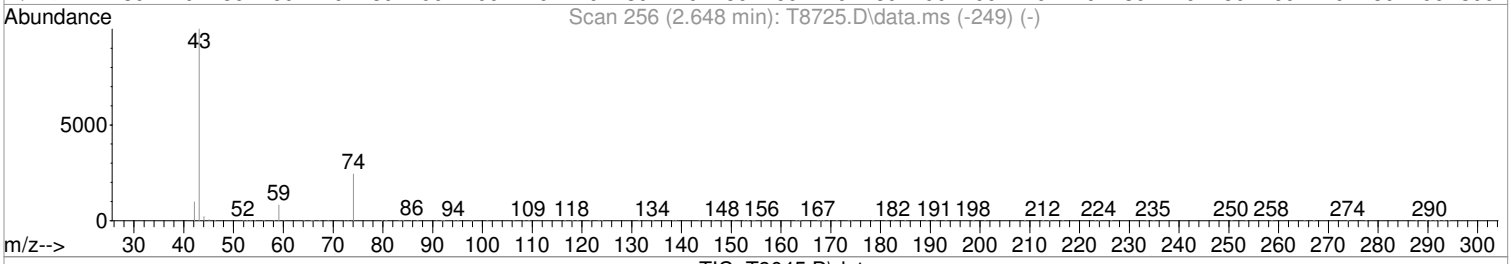
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9045.D
Acq On : 25 Sep 2021 2:08 am
Operator : F.NAEGLER
Sample : R2109571-007|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 25 10:11:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9045.D\data.ms

(21) Methyl Acetate (P)

2.648min (-0.000) 0.34 ug/L m

response 1253

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	3.10
74.10	24.40	2.66#
0.00	0.00	0.00

Manual Integration:

After

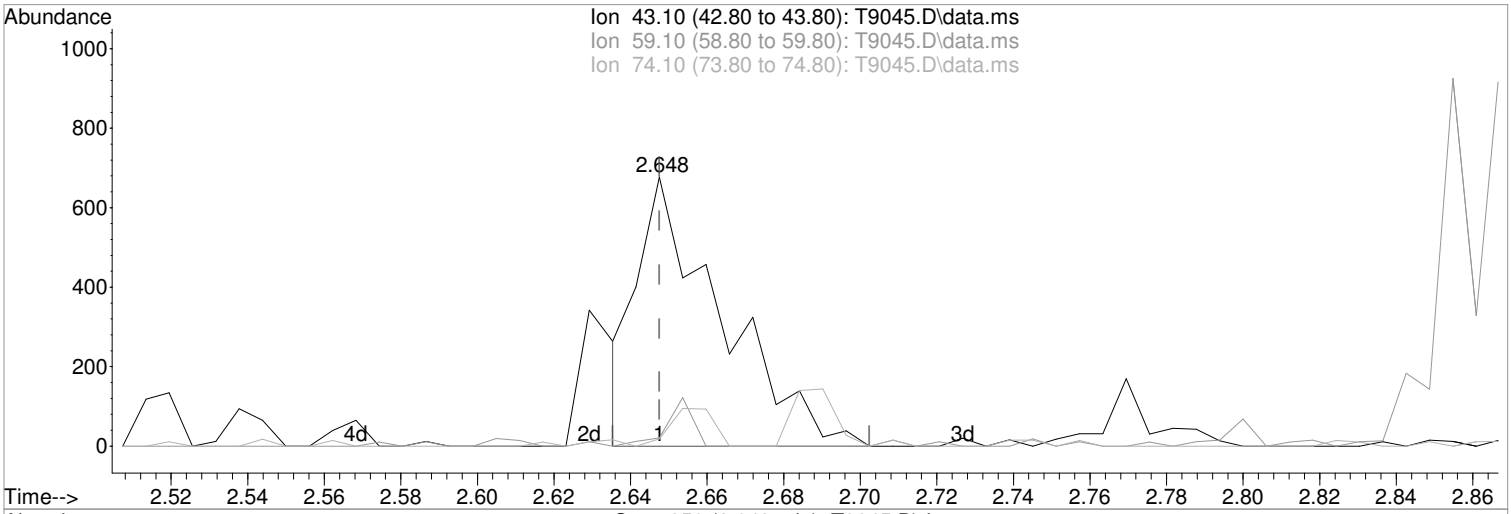
Poor integration.

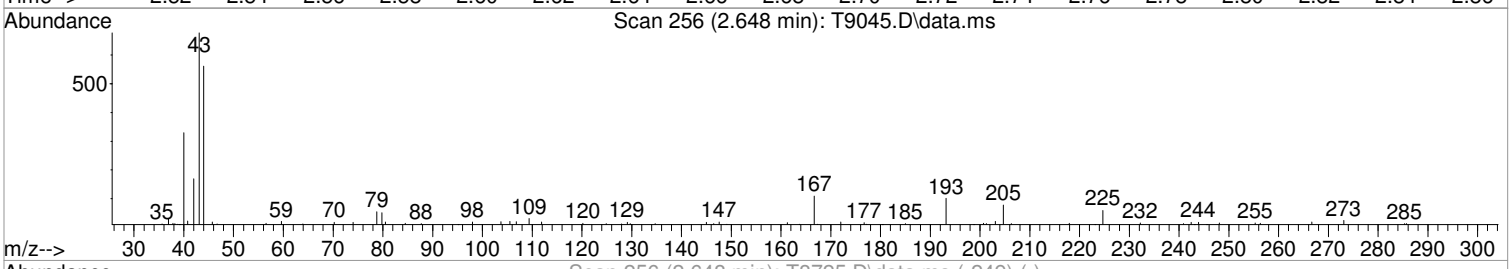
09/27/21

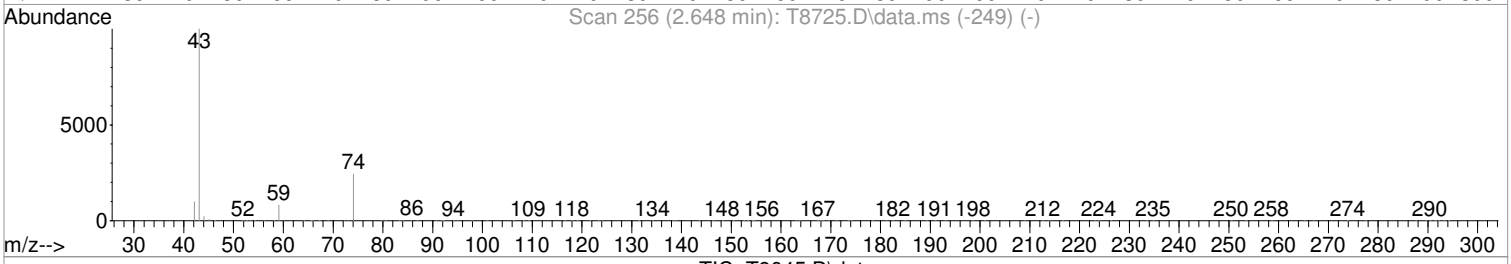
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9045.D
Acq On : 25 Sep 2021 2:08 am
Operator : F.NAEGLER
Sample : R2109571-007|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 25 10:11:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9045.D\data.ms

(21) Methyl Acetate (P)

2.648min (-0.000) 0.28 ug/L

response 1031

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	3.10
74.10	24.40	2.66#
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9045.D
Acq On : 25 Sep 2021 2:08 am
Operator : F.NAEGLER
Sample : R2109571-007|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 27 10:08:23 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

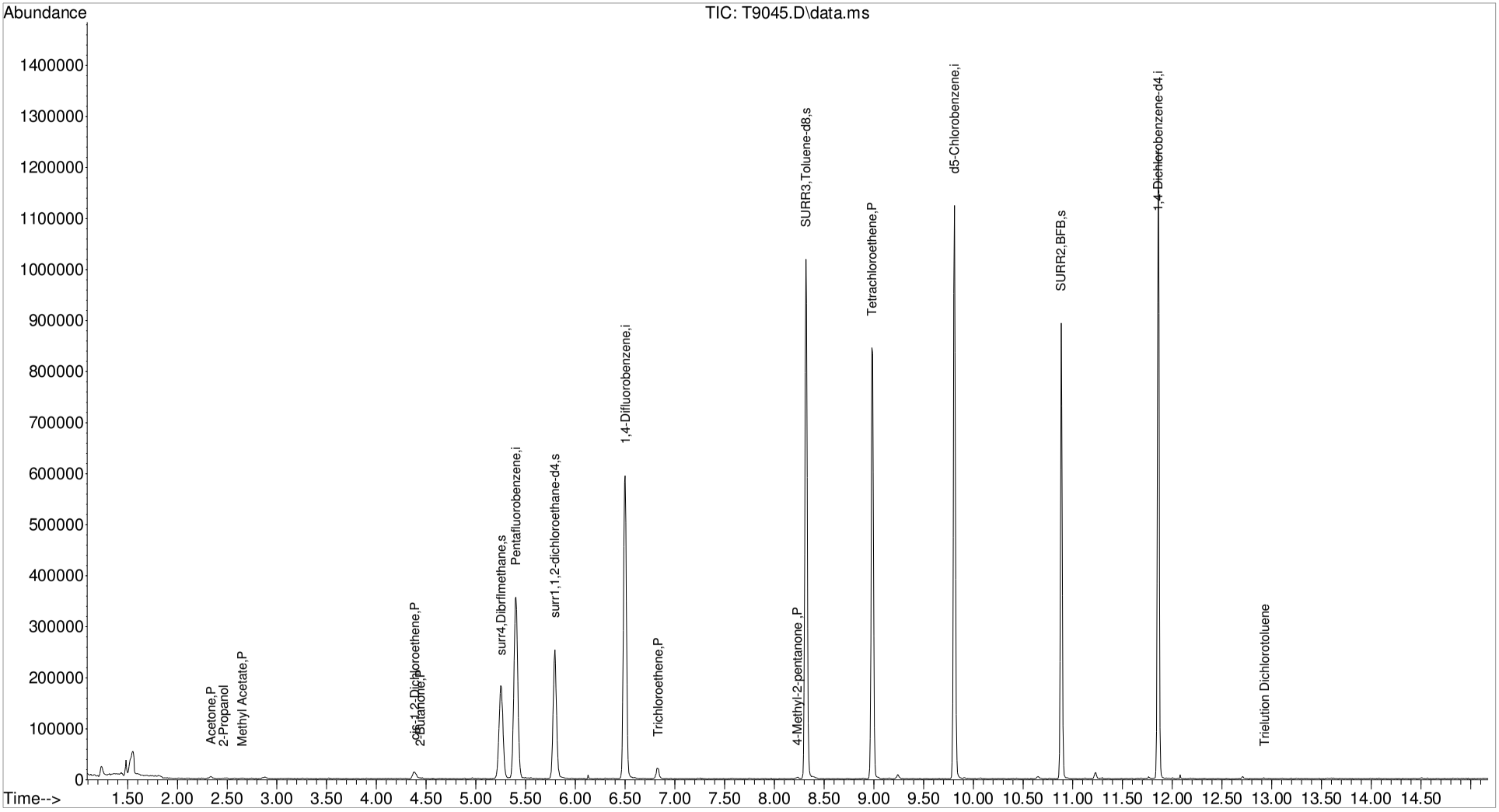
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	330700	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	524285	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	480171	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	228423	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	155244	53.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.08%			
46) surr1,1,2-dichloroetha...	5.793	65	202068	53.22	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.44%			
64) SURR3,Toluene-d8	8.317	98	617625	52.22	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.44%			
69) SURR2,BFB	10.884	95	217778	49.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.22%			
Target Compounds						Qvalue
15) Acetone	2.337	43	4467	2.92	ug/L	86
16) 2-Propanol	2.465	45	490	1.51	ug/L	82
21) Methyl Acetate	2.648	43	1253m	0.34	ug/L	
33) cis-1,2-Dichloroethene	4.385	96	7163	2.10	ug/L	91
34) 2-Butanone	4.440	43	2966	1.33	ug/L #	64
39) Chloroform	4.964	83	857	Below Cal	#	69
53) Trichloroethene	6.830	130	7783	2.55	ug/L	95
63) 4-Methyl-2-pentanone	8.232	43	1968	0.47	ug/L	92
71) Tetrachloroethene	8.982	164	157179	72.02	ug/L	95
111) Trielution Dichlorotol...	12.926	125	953	0.21	ug/L #	74

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

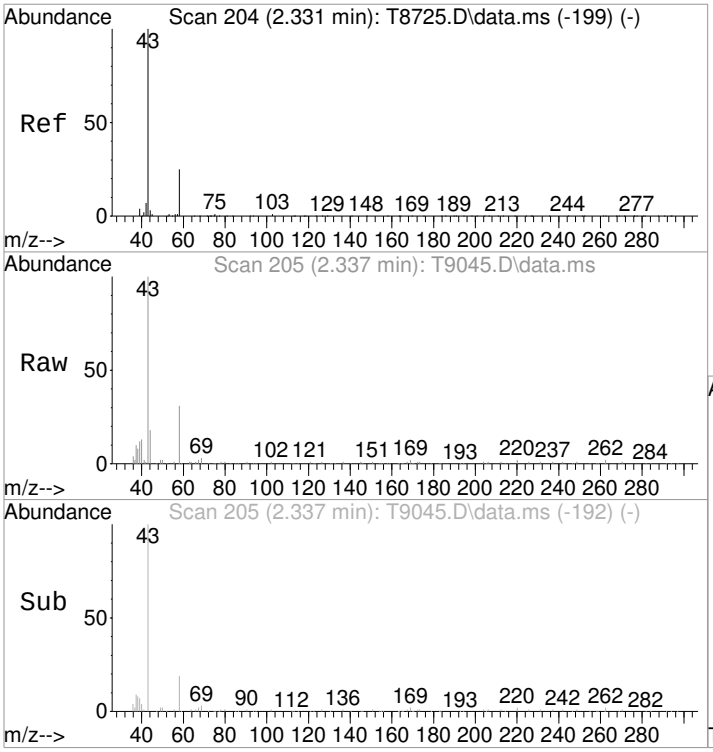
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9045.D
Acq On : 25 Sep 2021 2:08 am
Operator : F.NAEGLER
Sample : R2109571-007|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 27 10:08:23 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



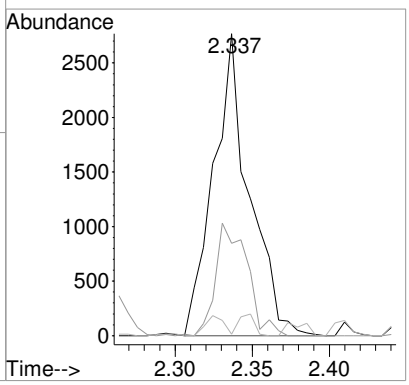
1st 09/27/21
2nd 09/27/21

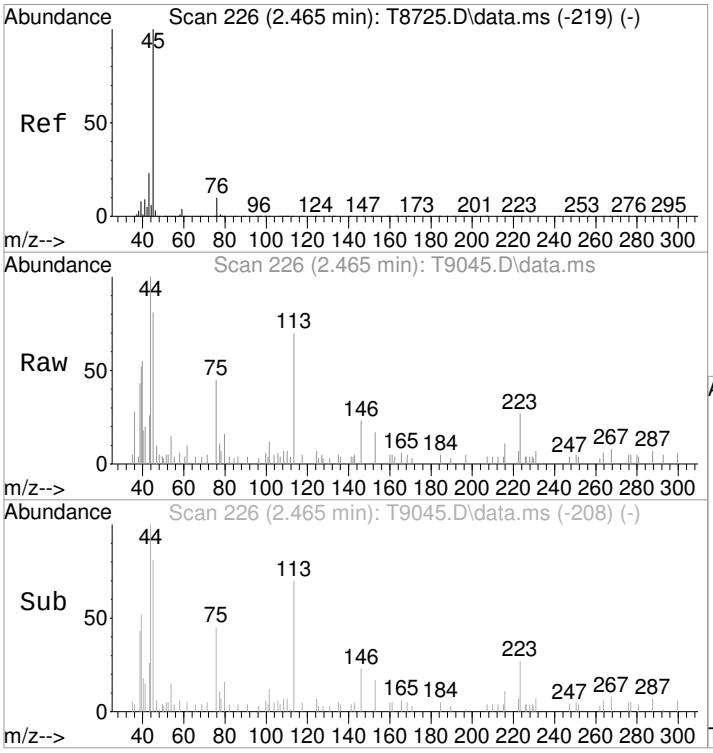


#15
Acetone
Concen: 2.92 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion: 43 Resp: 4467

Ion	Ratio	Lower	Upper
43	100		
58	31.0	4.9	44.9
42	0.5	0.0	27.1

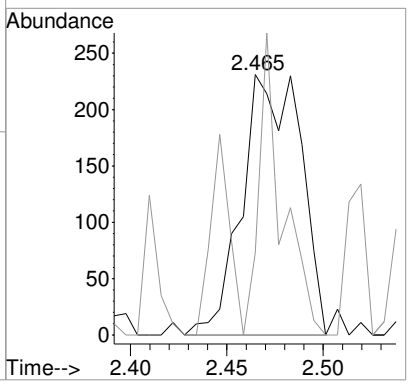


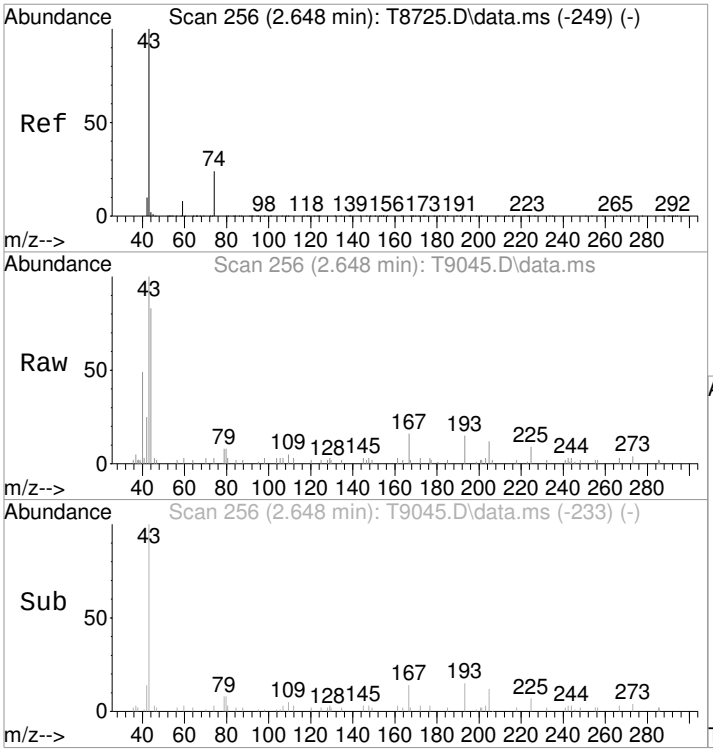


#16
2-Propanol
Concen: 1.51 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.000 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion: 45 Resp: 490

Ion	Ratio	Lower	Upper
45	100		
43	31.6	2.8	42.8

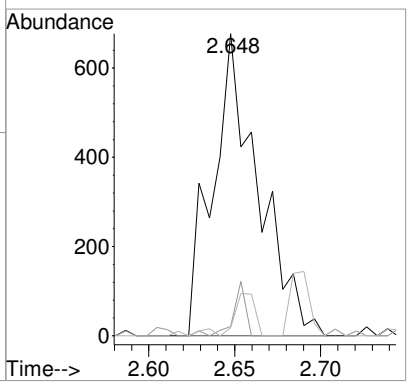


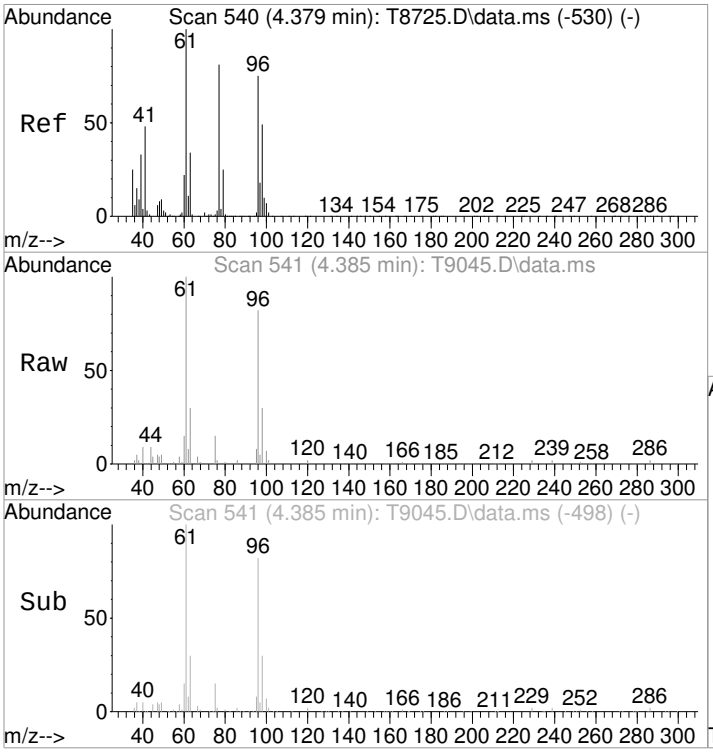


#21
Methyl Acetate
Concen: 0.34 ug/L m
RT: 2.648 min Scan# 256
Delta R.T. -0.000 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion: 43 Resp: 1253

Ion	Ratio	Lower	Upper
43	100		
59	3.1	0.0	28.2
74	2.7	4.4	44.4#

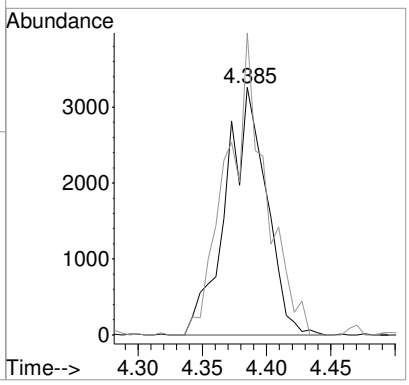


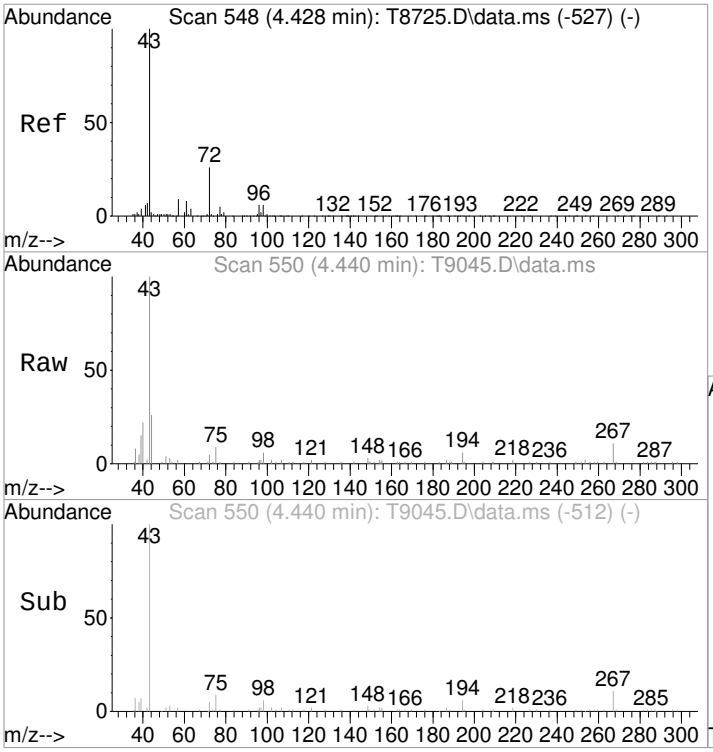


#33
cis-1,2-Dichloroethene
Concen: 2.10 ug/L
RT: 4.385 min Scan# 541
Delta R.T. 0.006 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion: 96 Resp: 7163

Ion	Ratio	Lower	Upper
96	100		
61	122.0	113.1	153.1

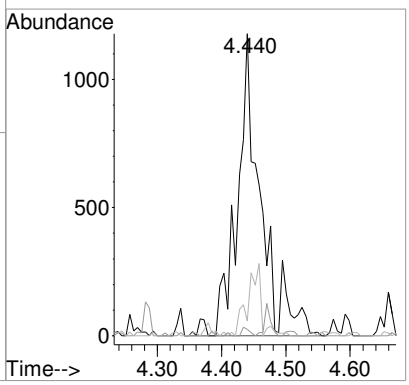


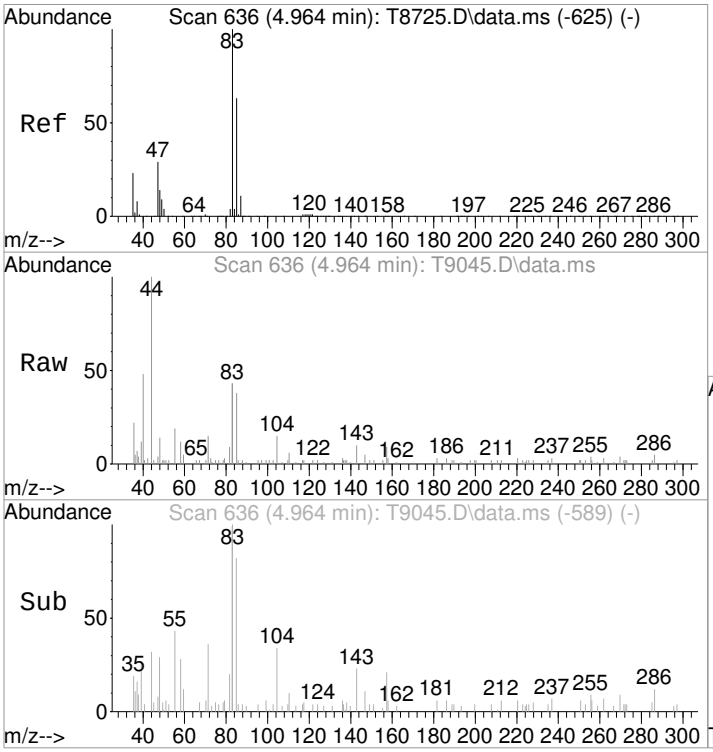


#34
2-Butanone
Concen: 1.33 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion: 43 Resp: 2966

Ion	Ratio	Lower	Upper
43	100		
57	2.1	0.0	28.5
72	4.8	6.2	46.2#

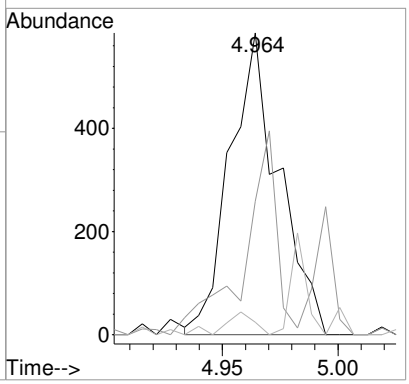


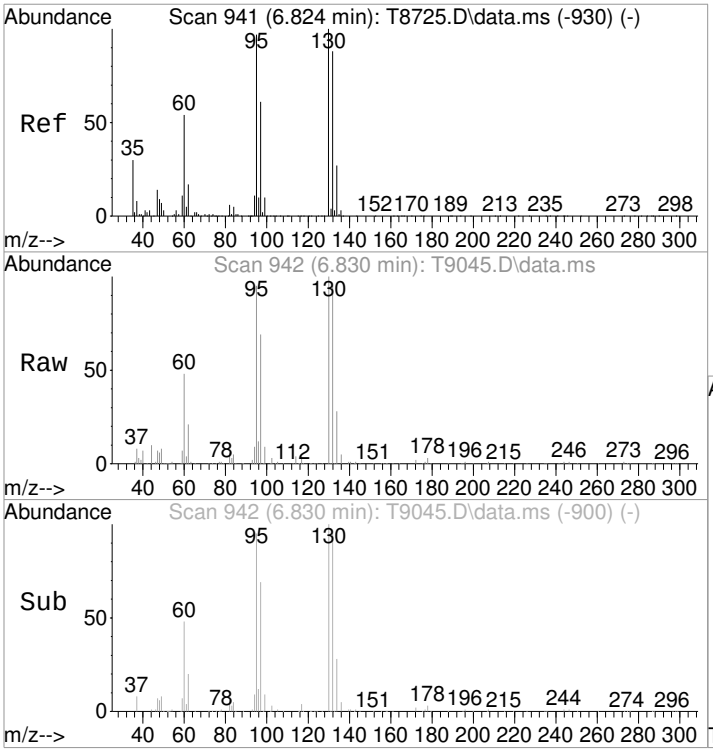


#39
Chloroform
Concen: Below Cal
RT: 4.964 min Scan# 636
Delta R.T. 0.000 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion: 83 Resp: 857

Ion	Ratio	Lower	Upper
83	100		
85	44.3	43.6	83.6
47	4.1	8.5	48.5#

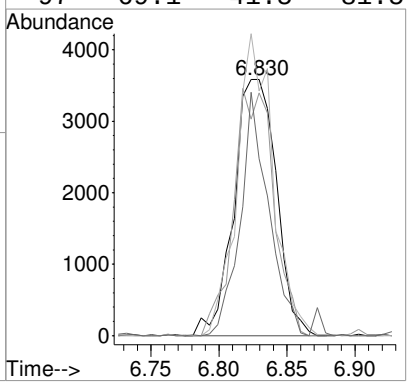


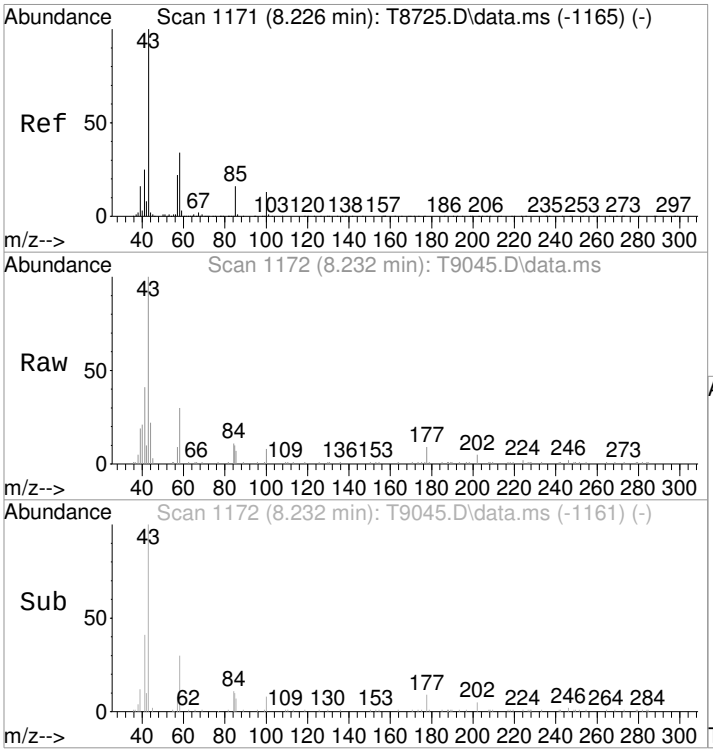


#53
Trichloroethene
Concen: 2.55 ug/L
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion:130 Resp: 7783

Ion	Ratio	Lower	Upper
130	100		
132	94.8	68.5	108.5
95	95.5	76.7	116.7
97	69.1	41.5	81.5

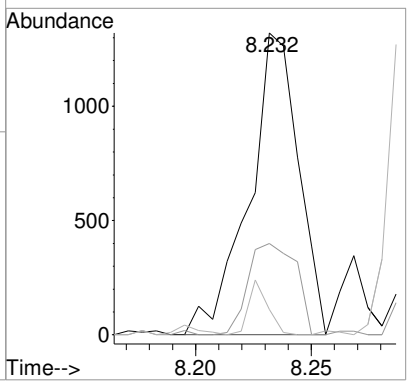


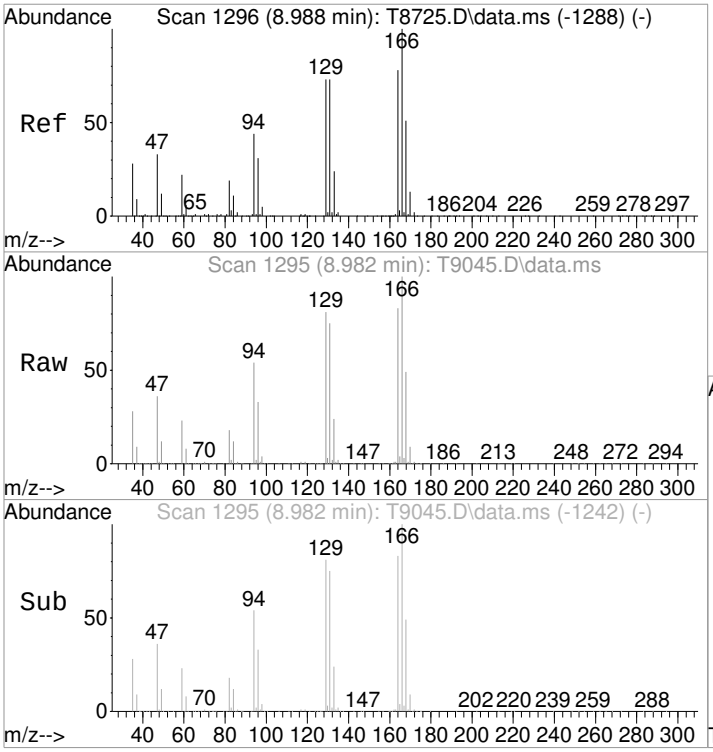


#63
4-Methyl-2-pentanone
Concen: 0.47 ug/L
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion: 43 Resp: 1968

Ion	Ratio	Lower	Upper
43	100		
58	30.3	14.2	54.2
100	8.4	0.0	32.8

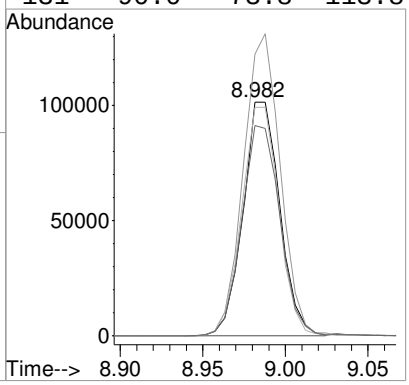


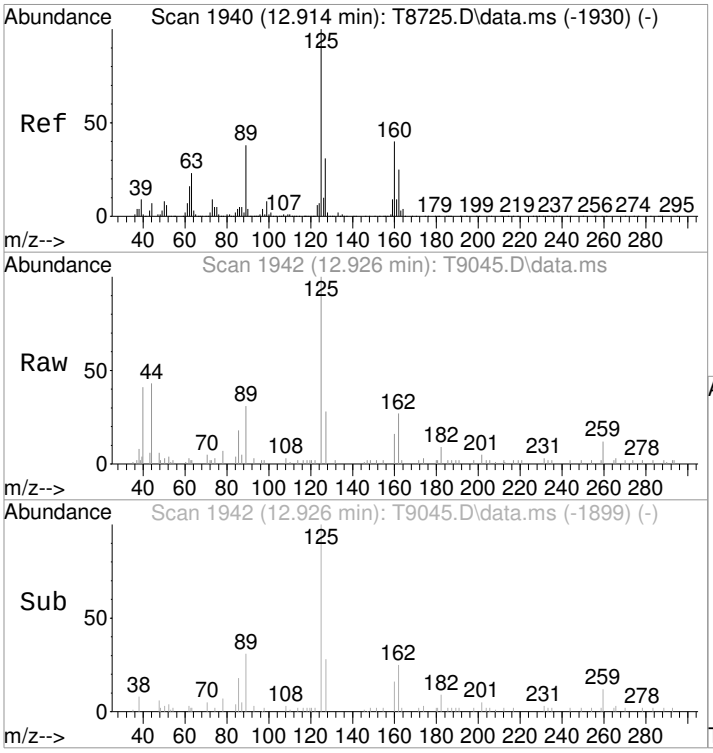


#71
Tetrachloroethene
Concen: 72.02 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.006 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion:164 Resp: 157179

Ion	Ratio	Lower	Upper
164	100		
166	120.5	108.5	148.5
129	97.8	73.7	113.7
131	90.0	73.8	113.8

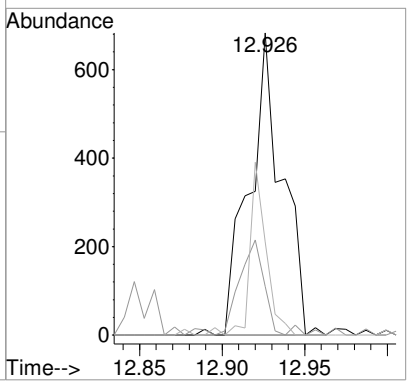




#111
Trielution Dichlorotoluene
Concen: 0.21 ug/L
RT: 12.926 min Scan# 1942
Delta R.T. 0.012 min
Lab File: T9045.D
Acq: 25 Sep 2021 2:08 am

Tgt Ion:125 Resp: 953

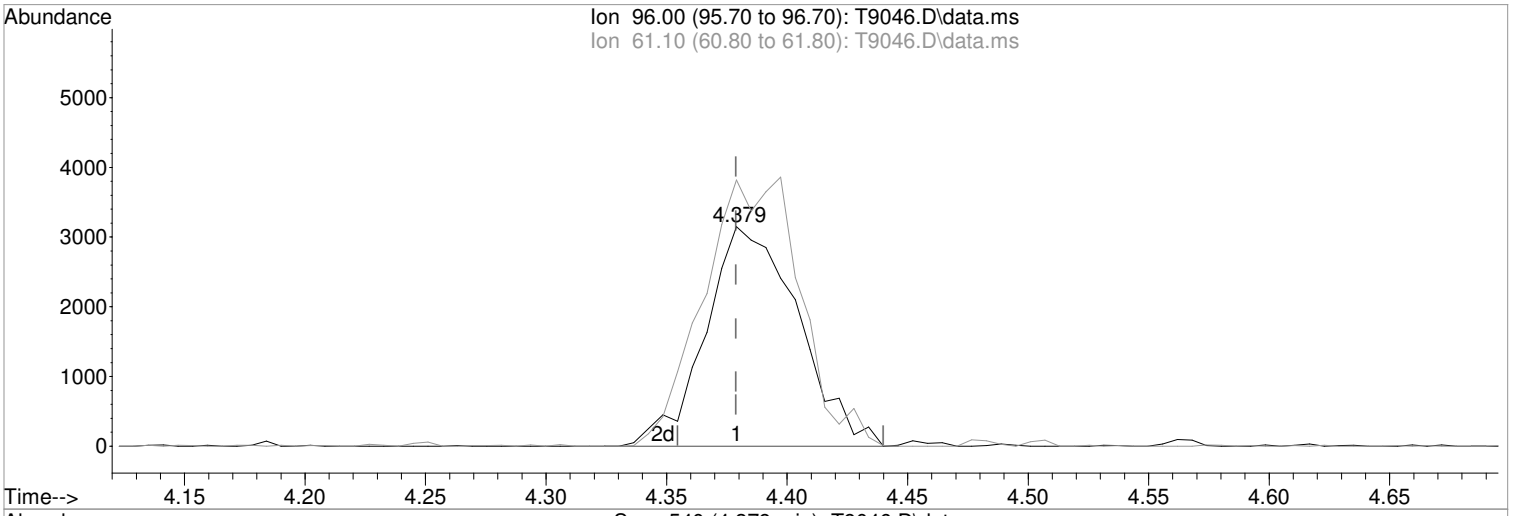
Ion	Ratio	Lower	Upper
125	100		
160	16.1	19.9	59.9#
89	30.9	18.2	58.2

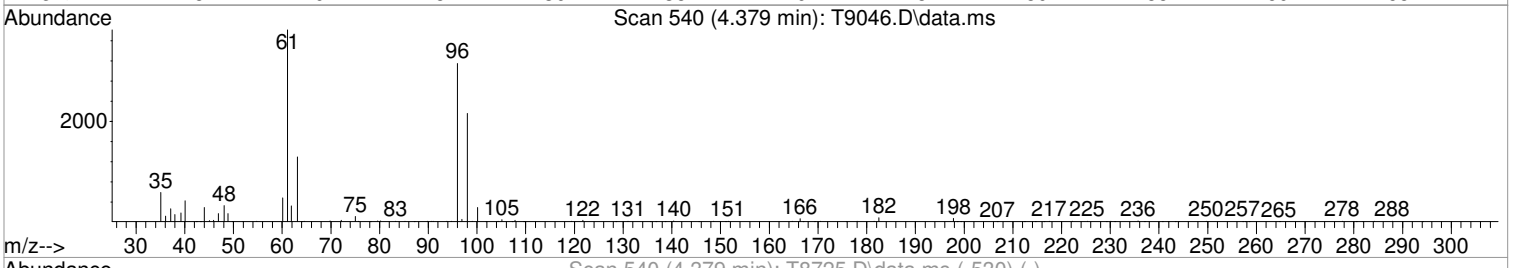


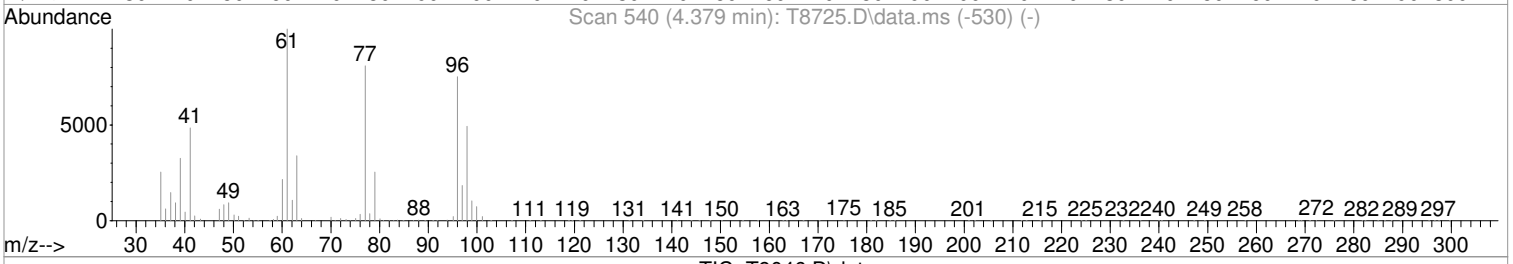
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9046.D
Acq On : 25 Sep 2021 2:30 am
Operator : F.NAEGLER
Sample : R2109571-011|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 25 10:11:53 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9046.D\data.ms

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

4.379min (+0.000) 2.60 ug/L m

response 8439

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	121.17
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

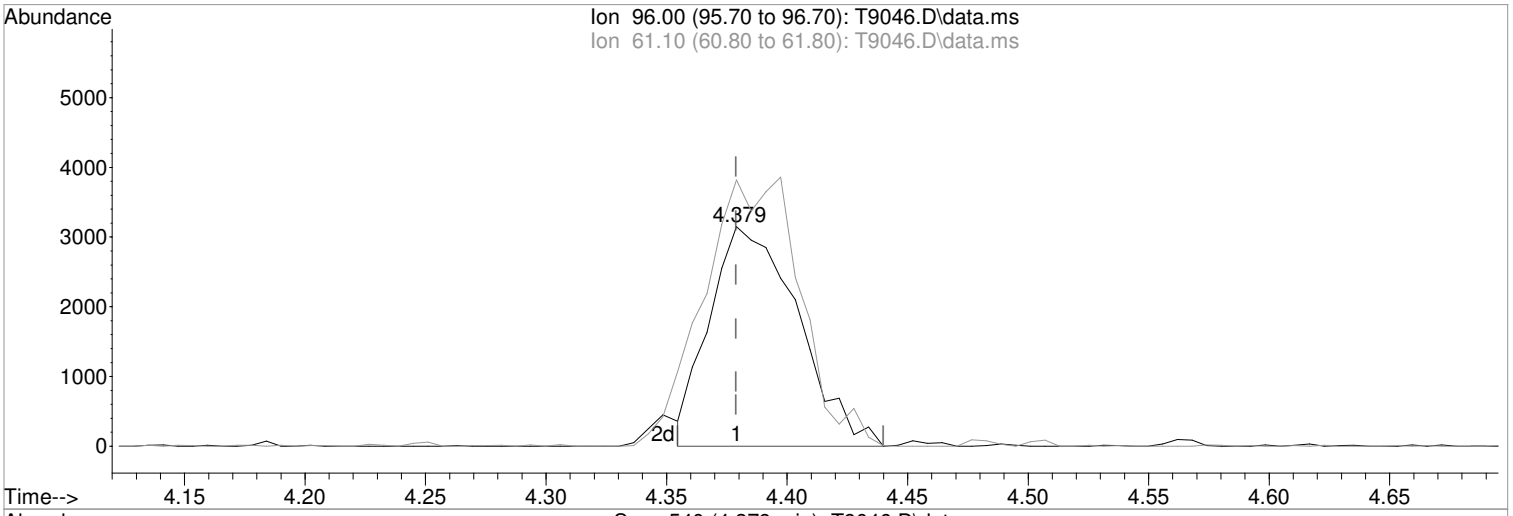
Poor integration.

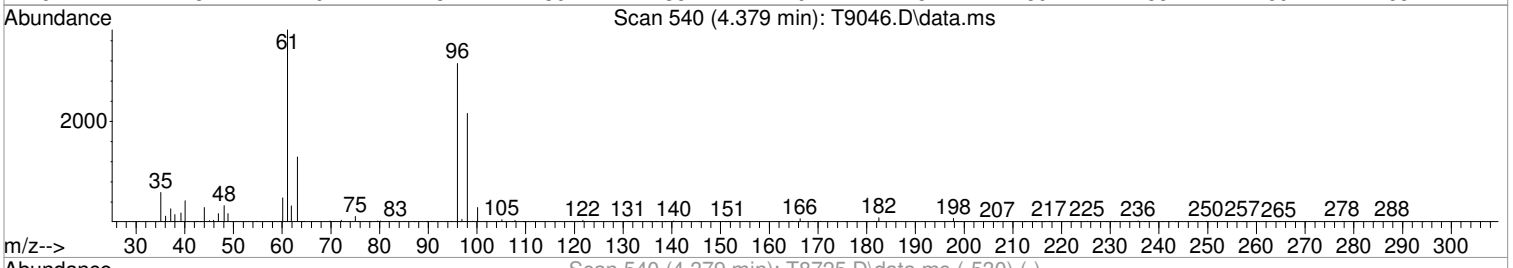
09/27/21

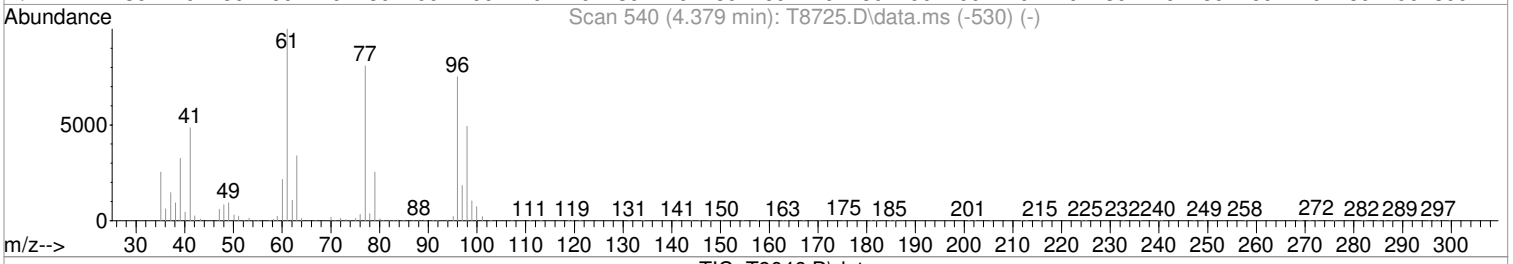
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9046.D
Acq On : 25 Sep 2021 2:30 am
Operator : F.NAEGLER
Sample : R2109571-011|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 25 10:11:53 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9046.D\data.ms

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

4.379min (+0.000) 2.47 ug/L

response 8027

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	121.17
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9046.D
Acq On : 25 Sep 2021 2:30 am
Operator : F.NAEGLER
Sample : R2109571-011|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 27 10:09:54 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

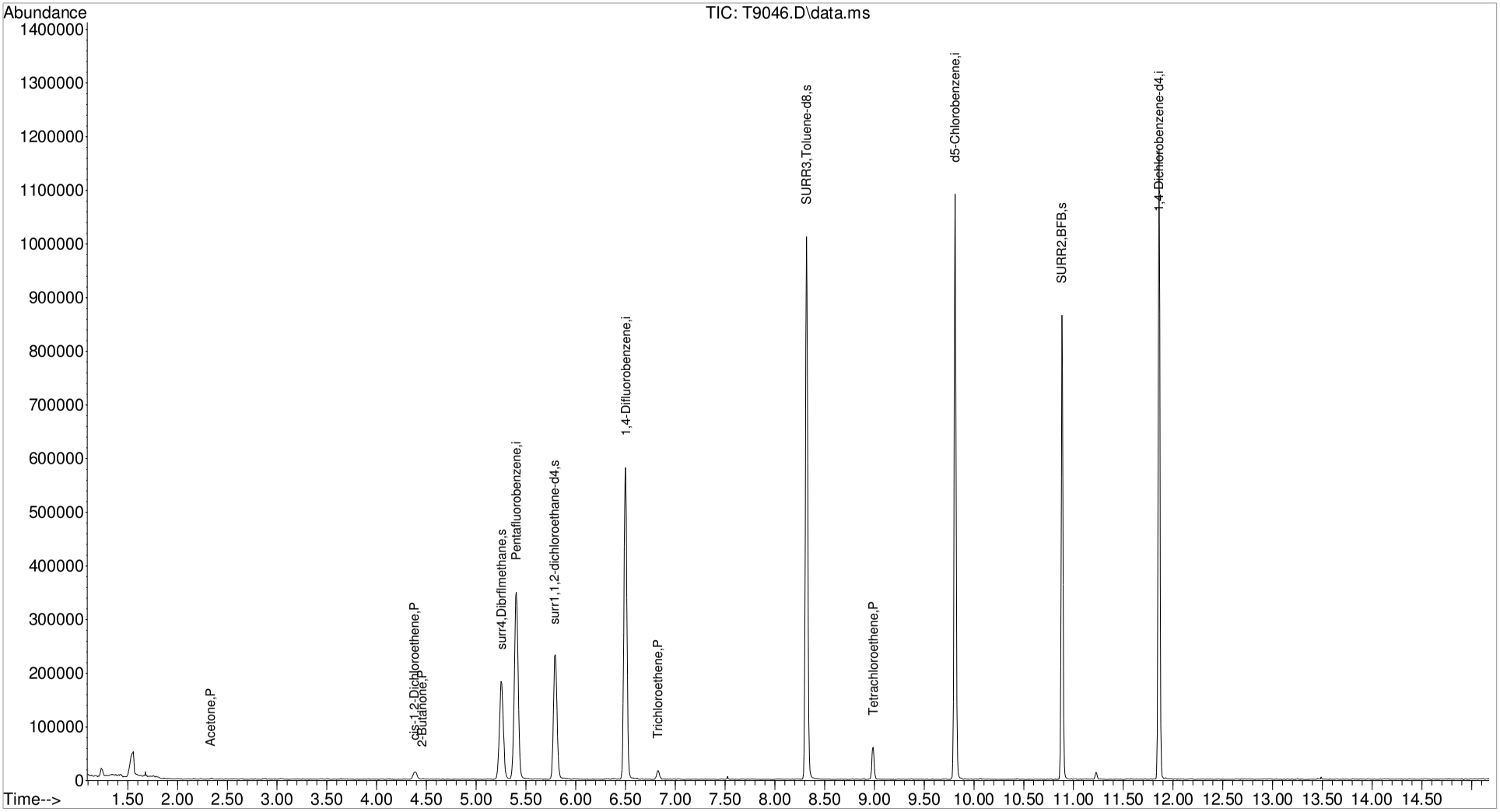
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	315049	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.501	114	515444	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	467110	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	217343	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	150572	52.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.64%			
46) surr1,1,2-dichloroetha...	5.787	65	199082	53.33	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.66%			
64) SURR3,Toluene-d8	8.317	98	609141	52.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.76%			
69) SURR2,BFB	10.884	95	216477	50.16	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.32%			
Target Compounds						Qvalue
15) Acetone	2.331	43	1856	1.27	ug/L	93
33) cis-1,2-Dichloroethene	4.379	96	8439m	2.60	ug/L	
34) 2-Butanone	4.458	43	1405	0.66	ug/L	66
39) Chloroform	4.952	83	407	Below Cal	#	74
53) Trichloroethene	6.824	130	5651	1.89	ug/L #	80
71) Tetrachloroethene	8.988	164	13066	6.15	ug/L #	77

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

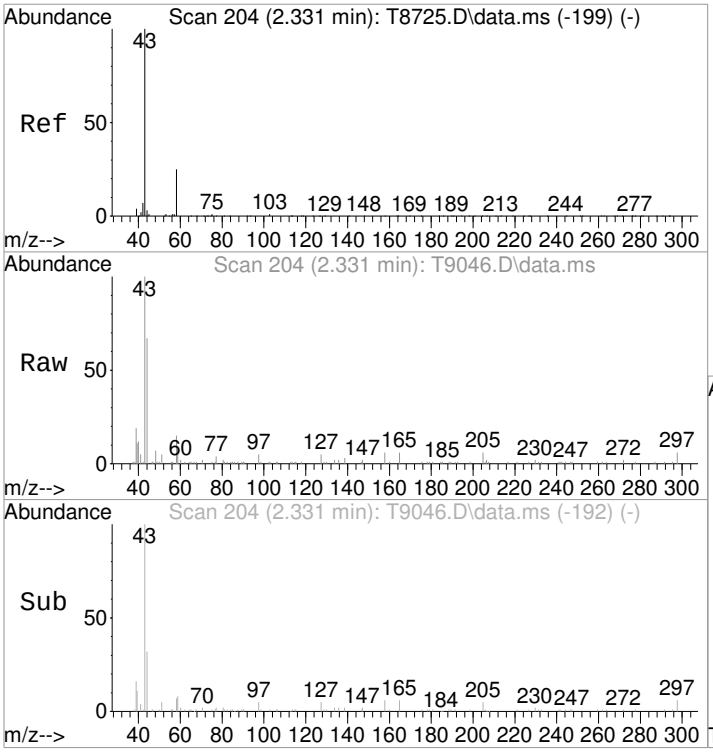
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9046.D
Acq On : 25 Sep 2021 2:30 am
Operator : F.NAEGLER
Sample : R2109571-011|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 27 10:09:54 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



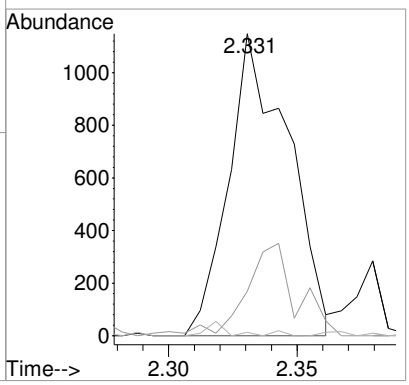
1st FJ 09/27/21
2nd 09/27/21

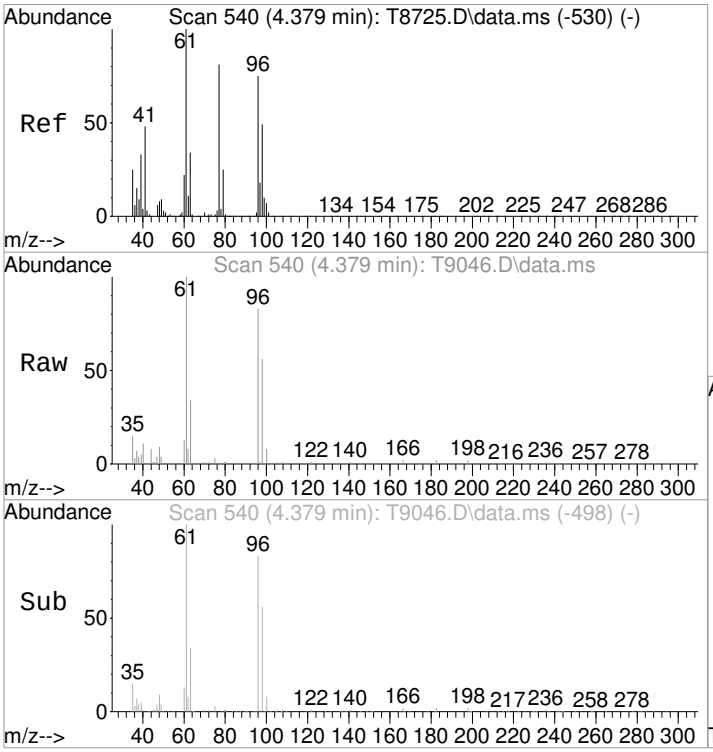


#15
Acetone
Concen: 1.27 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: T9046.D
Acq: 25 Sep 2021 2:30 am

Tgt Ion: 43 Resp: 1856

Ion	Ratio	Lower	Upper
43	100		
58	23.1	4.9	44.9
42	1.1	0.0	27.1

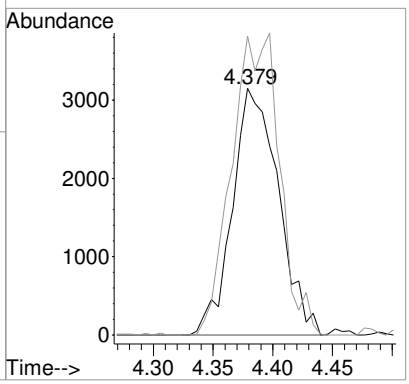


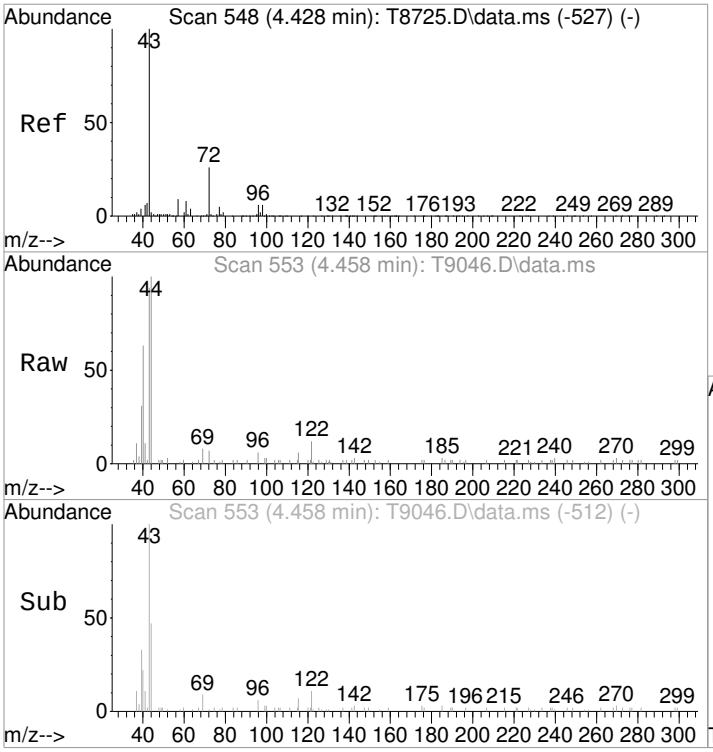


#33
cis-1,2-Dichloroethene
Concen: 2.60 ug/L m
RT: 4.379 min Scan# 540
Delta R.T. 0.000 min
Lab File: T9046.D
Acq: 25 Sep 2021 2:30 am

Tgt Ion: 96 Resp: 8439

Ion	Ratio	Lower	Upper
96	100		
61	121.2	113.1	153.1

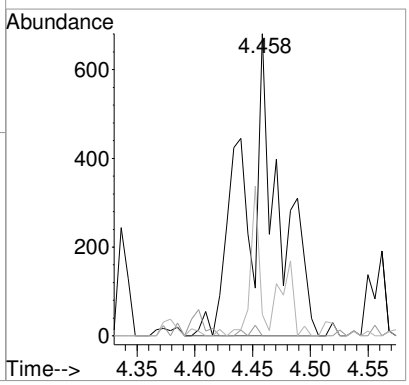


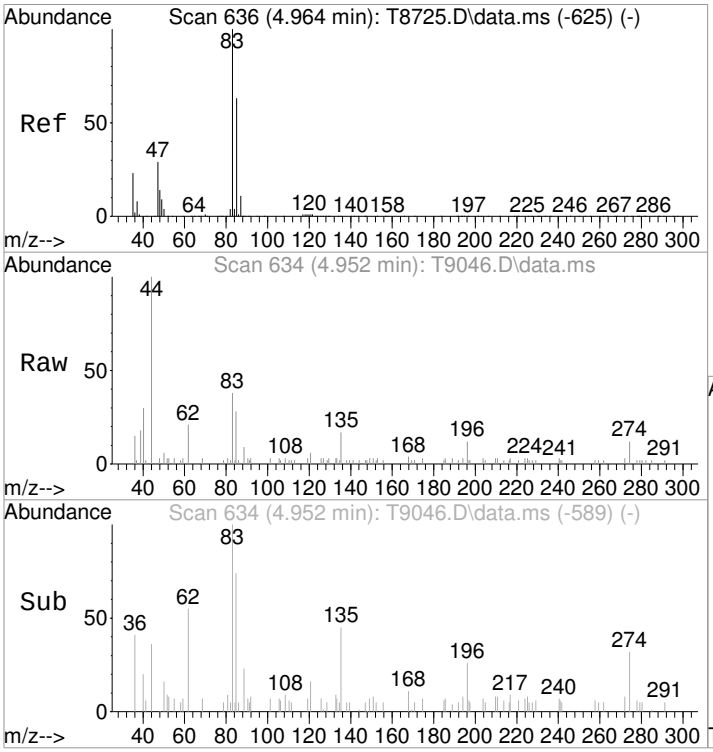


#34
2-Butanone
Concen: 0.66 ug/L
RT: 4.458 min Scan# 553
Delta R.T. 0.031 min
Lab File: T9046.D
Acq: 25 Sep 2021 2:30 am

Tgt Ion: 43 Resp: 1405

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.5
72	7.0	6.2	46.2

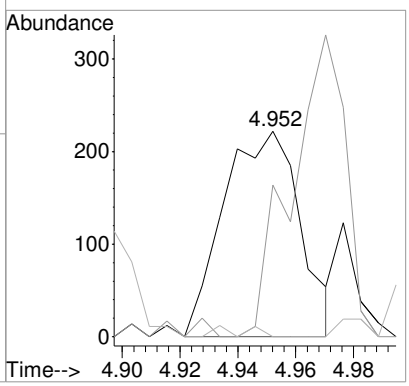


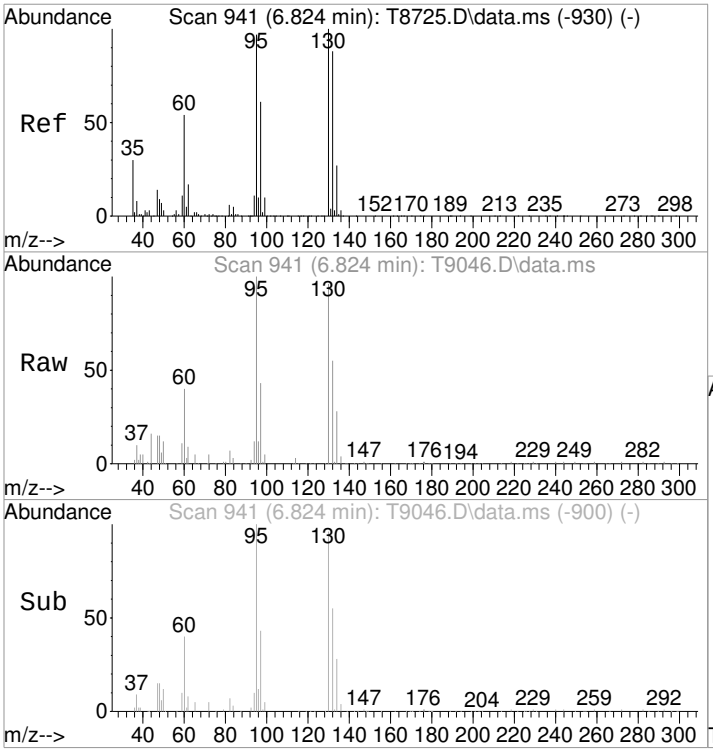


#39
Chloroform
Concen: Below Cal
RT: 4.952 min Scan# 634
Delta R.T. -0.012 min
Lab File: T9046.D
Acq: 25 Sep 2021 2:30 am

Tgt Ion: 83 Resp: 407

Ion	Ratio	Lower	Upper
83	100		
85	73.9	43.6	83.6
47	0.0	8.5	48.5#

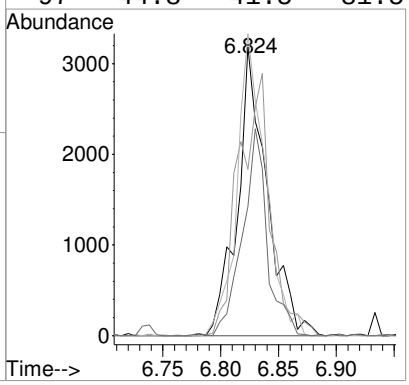


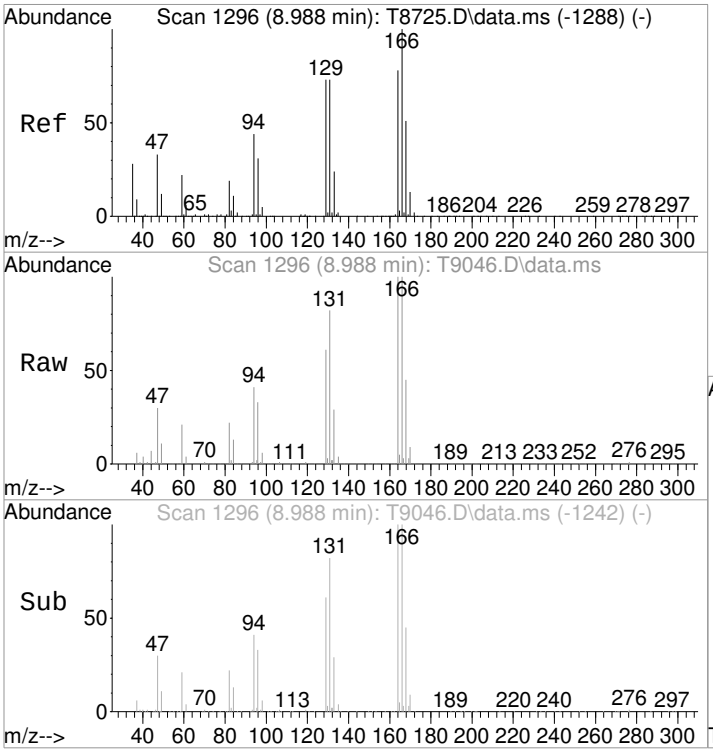


#53
Trichloroethene
Concen: 1.89 ug/L
RT: 6.824 min Scan# 941
Delta R.T. 0.000 min
Lab File: T9046.D
Acq: 25 Sep 2021 2:30 am

Tgt Ion:130 Resp: 5651

Ion	Ratio	Lower	Upper
130	100		
132	57.6	68.5	108.5#
95	104.6	76.7	116.7
97	44.8	41.5	81.5

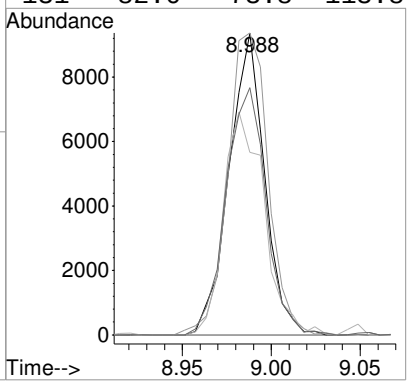




#71
Tetrachloroethene
Concen: 6.15 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. 0.000 min
Lab File: T9046.D
Acq: 25 Sep 2021 2:30 am

Tgt Ion:164 Resp: 13066

Ion	Ratio	Lower	Upper
164	100		
166	103.0	108.5	148.5#
129	60.6	73.7	113.7#
131	82.0	73.8	113.8

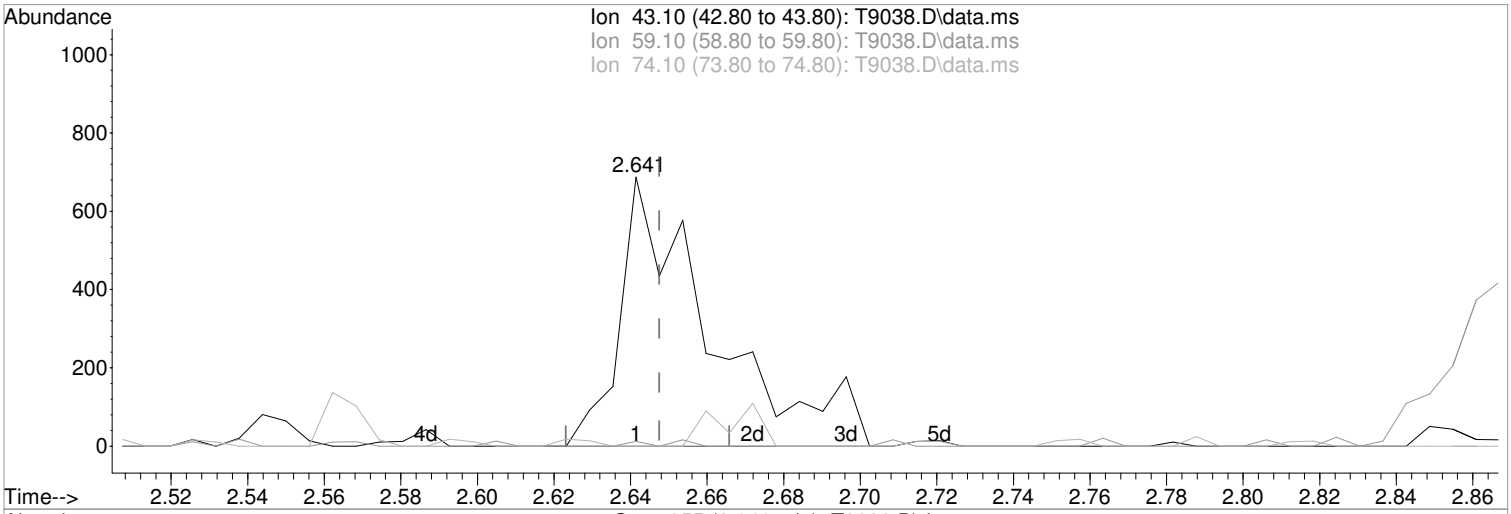


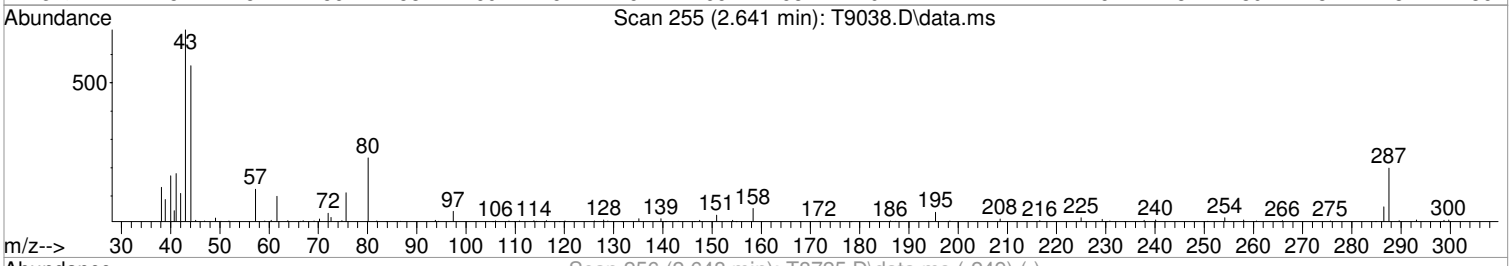
1st FW 09/26/21
2nd 09/27/21

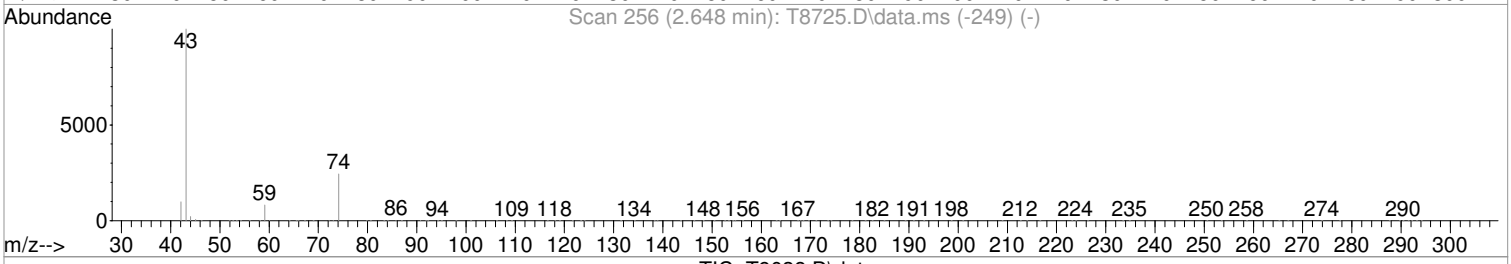
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9038.D
Acq On : 24 Sep 2021 11:35 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 25 10:06:57 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9038.D\data.ms

(21) Methyl Acetate (P)

2.641min (-0.006) 0.30 ug/L m

response 1133

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	1.75
74.10	24.40	1.89#
0.00	0.00	0.00

Manual Integration:

After

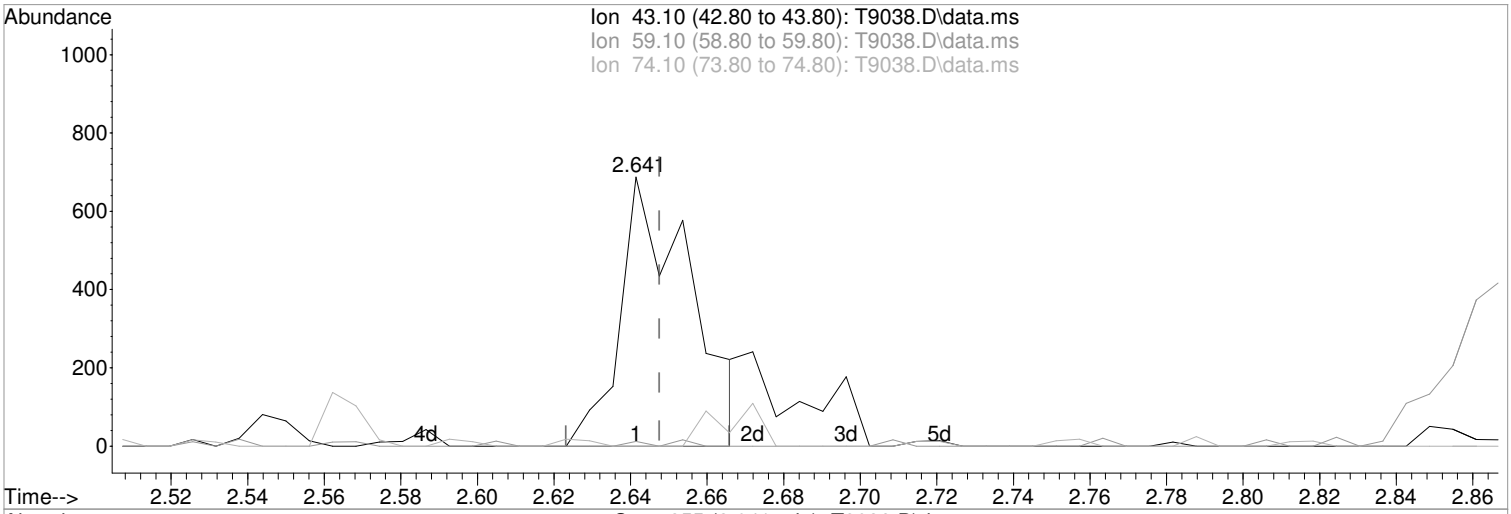
Poor integration.

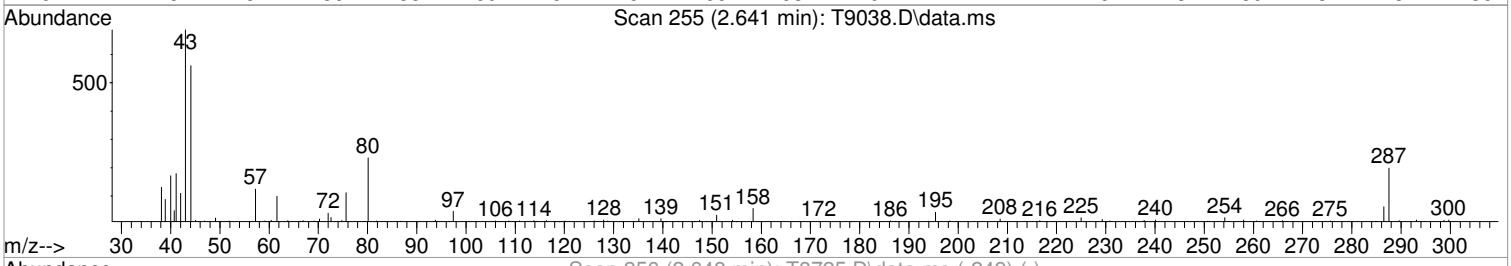
09/26/21

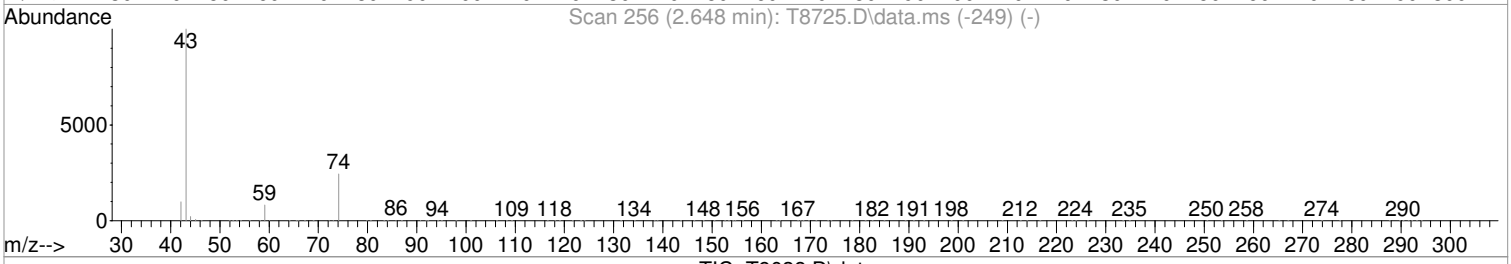
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9038.D
Acq On : 24 Sep 2021 11:35 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 25 10:06:57 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9038.D\data.ms

(21) Methyl Acetate (P)

2.641min (-0.006) 0.24 ug/L

response 879

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	1.75
74.10	24.40	1.89#
0.00	0.00	0.00

Manual Integration:

Before

09/26/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9038.D
Acq On : 24 Sep 2021 11:35 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 26 13:17:51 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

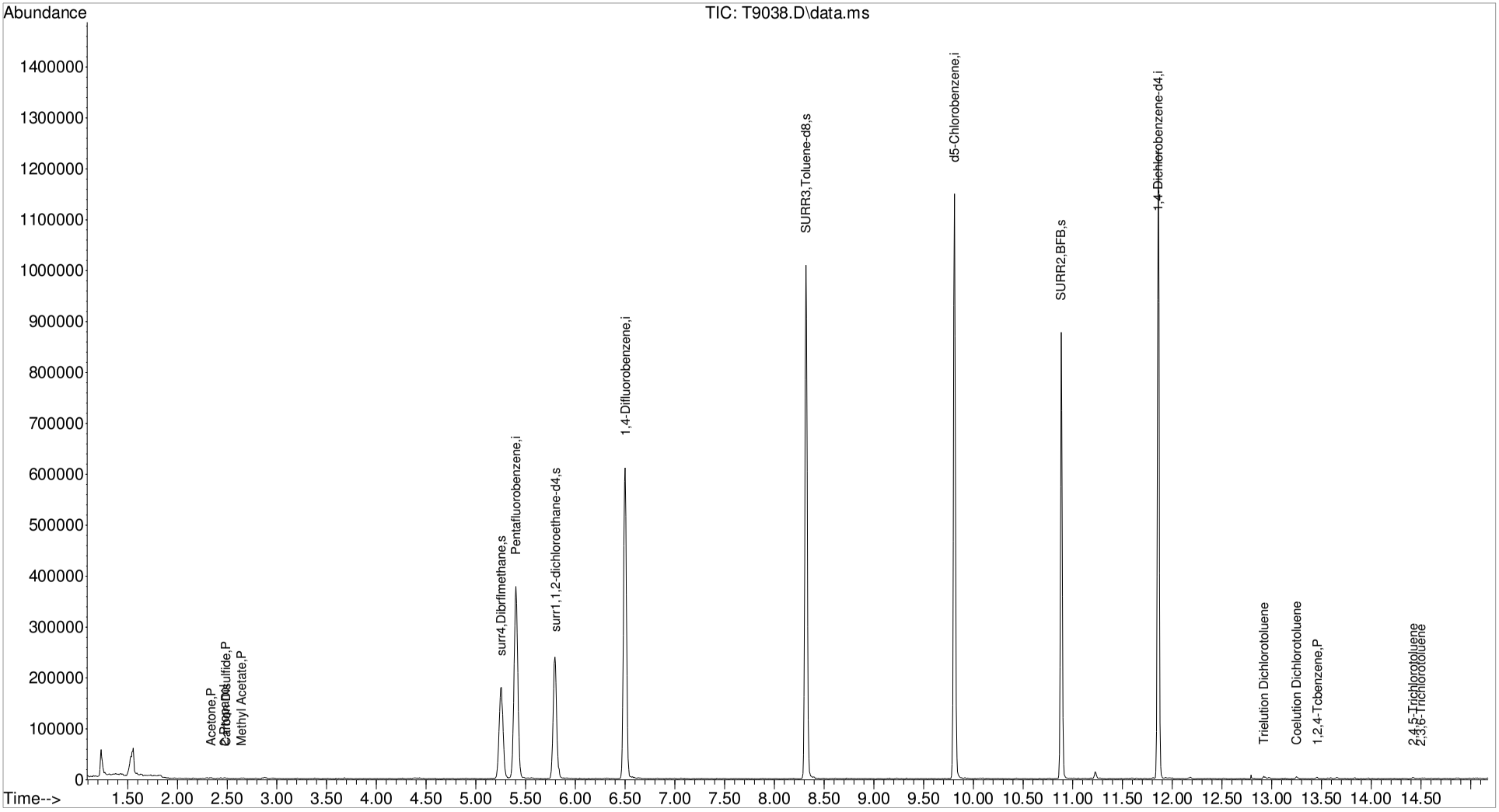
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	333094	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	533654	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	487065	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	229819	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	147656	49.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 99.12%			
46) surr1,1,2-dichloroetha...	5.799	65	201118	52.04	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.08%			
64) SURR3,Toluene-d8	8.317	98	615472	51.12	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.24%			
69) SURR2,BFB	10.884	95	214723	48.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.12%			
Target Compounds						Qvalue
15) Acetone	2.337	43	1176	0.76	ug/L #	47
16) 2-Propanol	2.471	45	242	0.74	ug/L #	32
18) Carbon Disulfide	2.483	76	1313	0.21	ug/L	74
21) Methyl Acetate	2.641	43	1133m	0.30	ug/L	
111) Trielution Dichlorotol...	12.920	125	2114	0.46	ug/L #	64
113) Coelution Dichlorotoluene	13.249	125	1103	0.22	ug/L	88
114) 1,2,4-Tcbenzene	13.456	180	861	0.24	ug/L	91
118) 2,4,5-Trichlorotoluene	14.420	159	668	0.30	ug/L #	60
119) 2,3,6-Trichlorotoluene	14.499	159	509	0.25	ug/L #	27

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

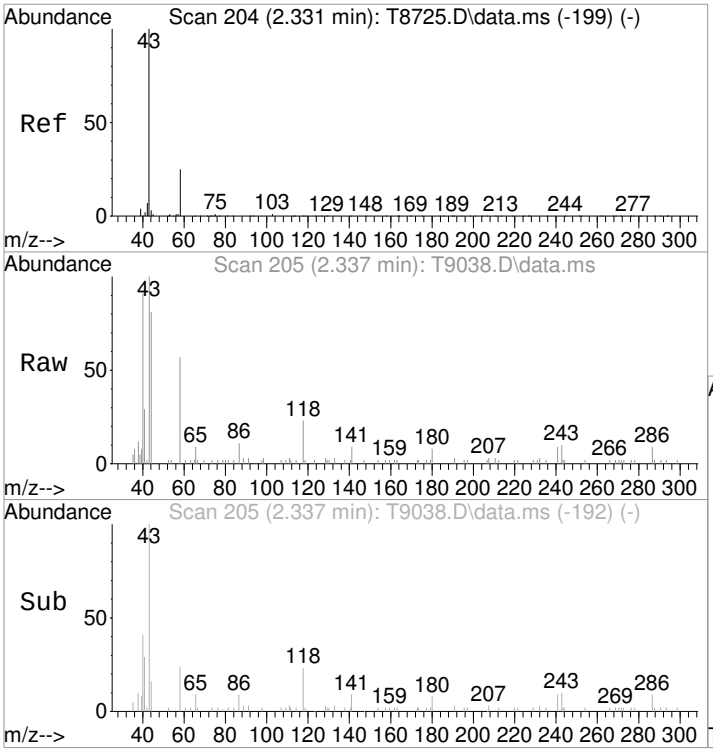
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9038.D
Acq On : 24 Sep 2021 11:35 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 26 13:17:51 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



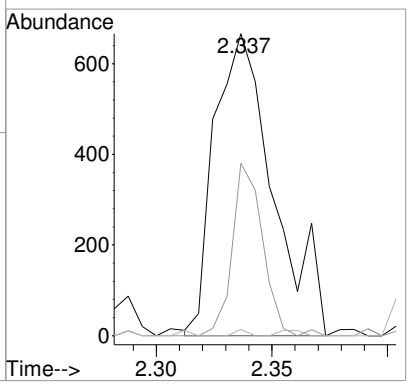
1st FJ 09/26/21
2nd 09/27/21

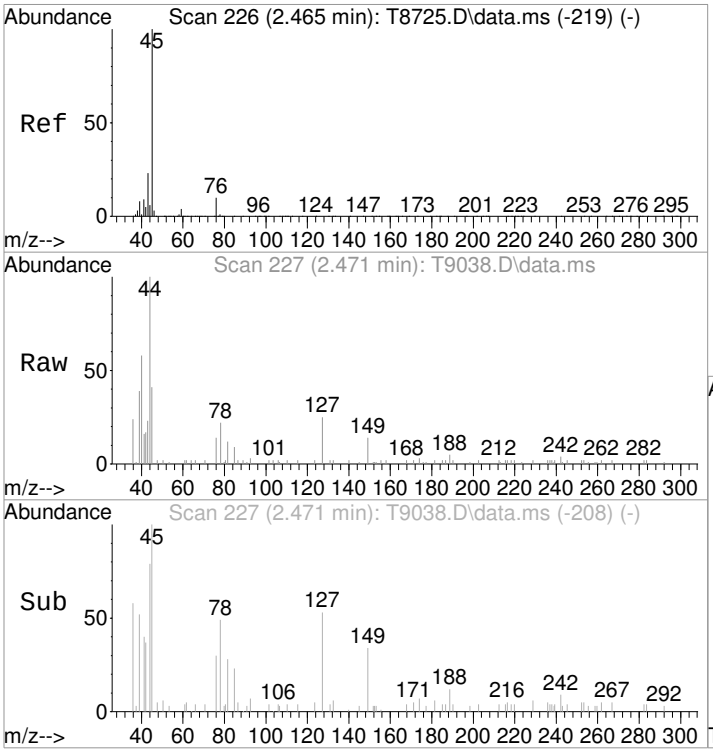


#15
Acetone
Concen: 0.76 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion: 43 Resp: 1176

Ion	Ratio	Lower	Upper
43	100		
58	57.1	4.9	44.9#
42	2.1	0.0	27.1

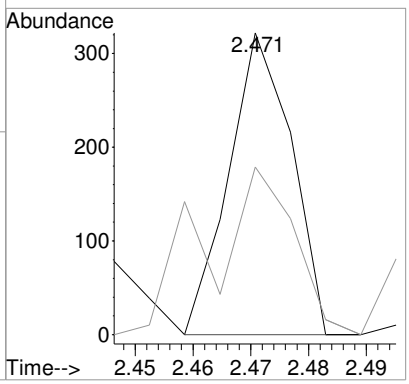


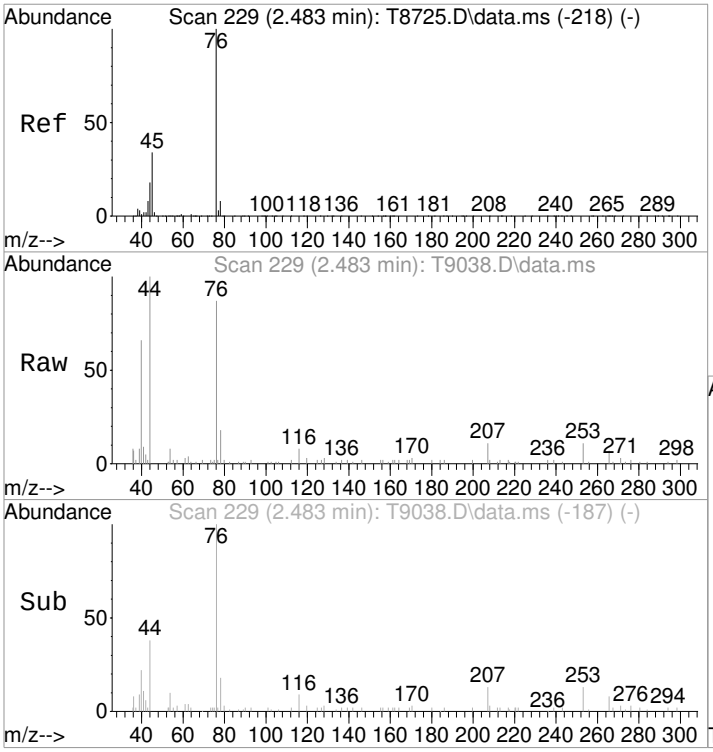


#16
2-Propanol
Concen: 0.74 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion: 45 Resp: 242

Ion	Ratio	Lower	Upper
45	100		
43	55.6	2.8	42.8#

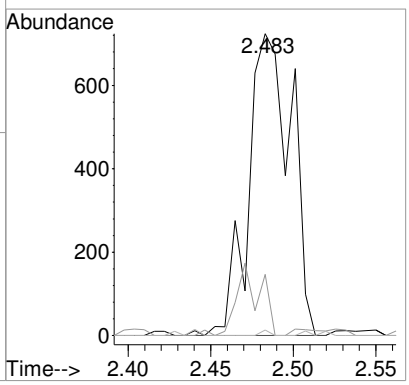


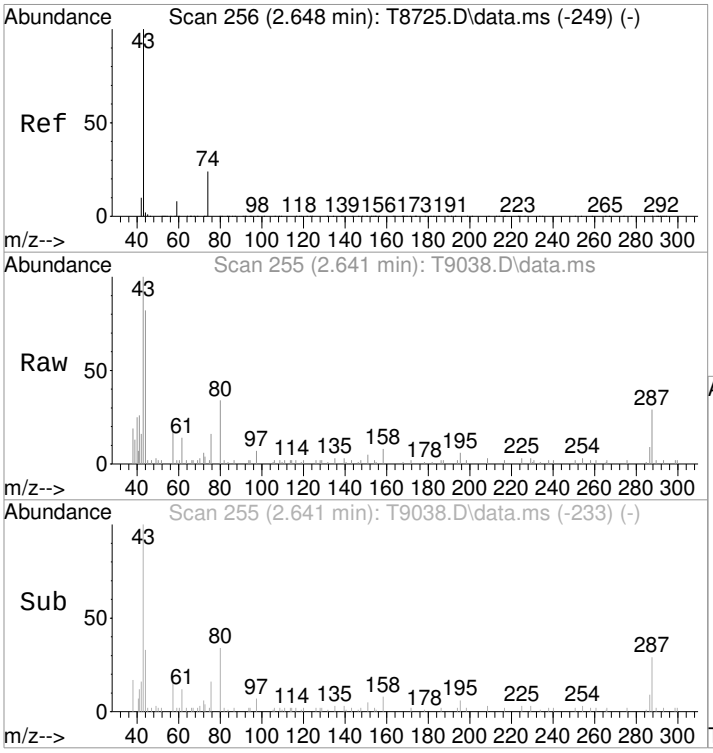


#18
Carbon Disulfide
Concen: 0.21 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion: 76 Resp: 1313

Ion	Ratio	Lower	Upper
76	100		
78	20.3	0.0	28.4
77	1.8	0.0	22.7

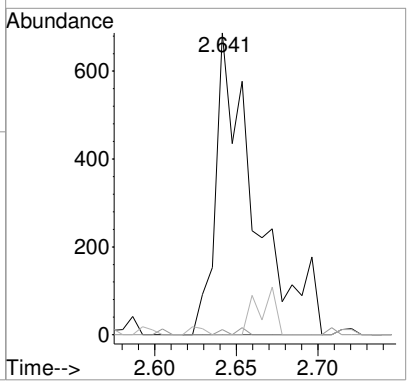


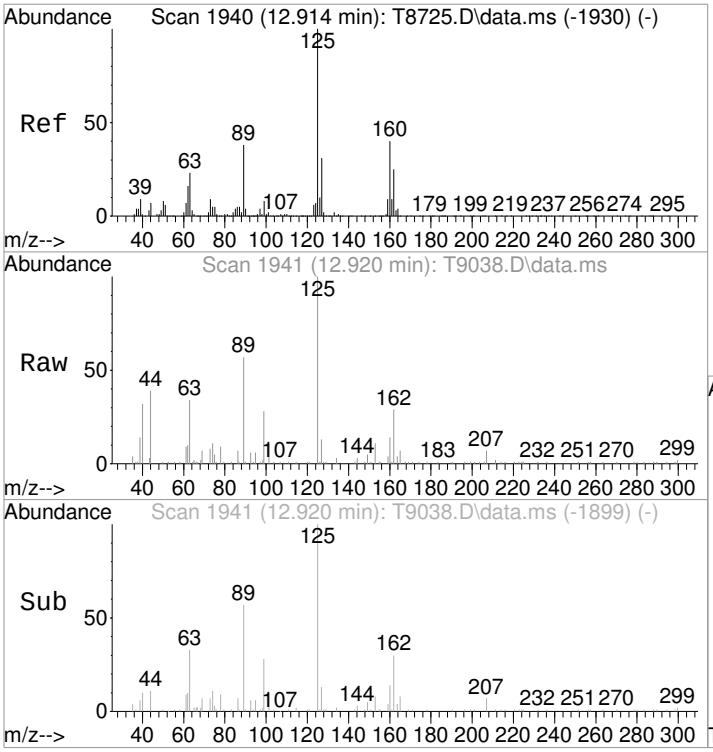


#21
Methyl Acetate
Concen: 0.30 ug/L m
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion: 43 Resp: 1133

Ion	Ratio	Lower	Upper
43	100		
59	1.7	0.0	28.2
74	1.9	4.4	44.4#

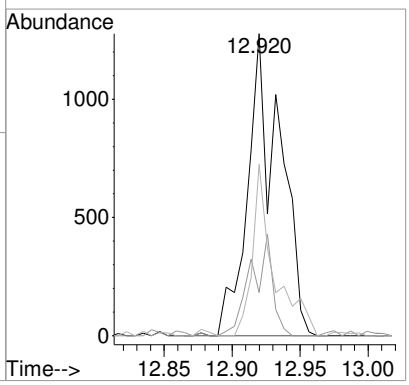


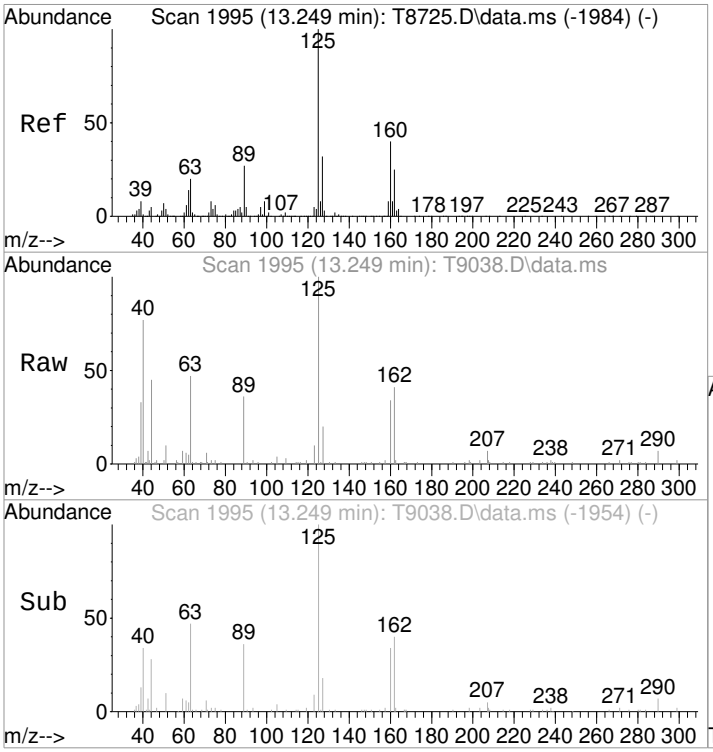


#111
Trielution Dichlorotoluene
Concen: 0.46 ug/L
RT: 12.920 min Scan# 1941
Delta R.T. 0.006 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion:125 Resp: 2114

Ion	Ratio	Lower	Upper
125	100		
160	14.3	19.9	59.9#
89	56.8	18.2	58.2

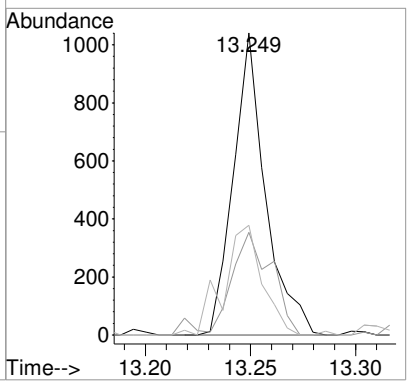


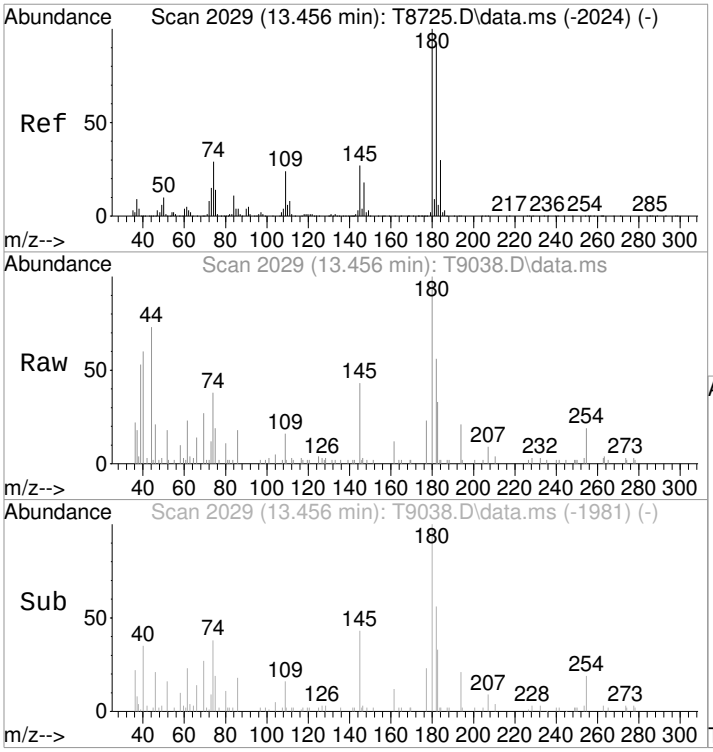


#113
Coelution Dichlorotoluene
Concen: 0.22 ug/L
RT: 13.249 min Scan# 1995
Delta R.T. -0.000 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion:125 Resp: 1103

Ion	Ratio	Lower	Upper
125	100		
160	34.0	19.6	59.6
89	36.3	7.5	47.5

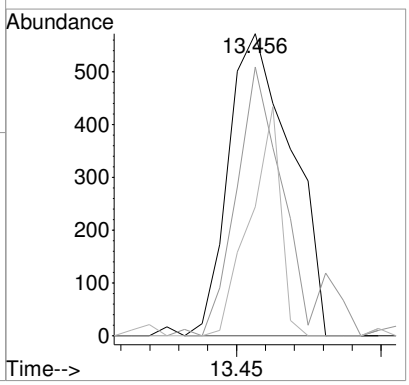


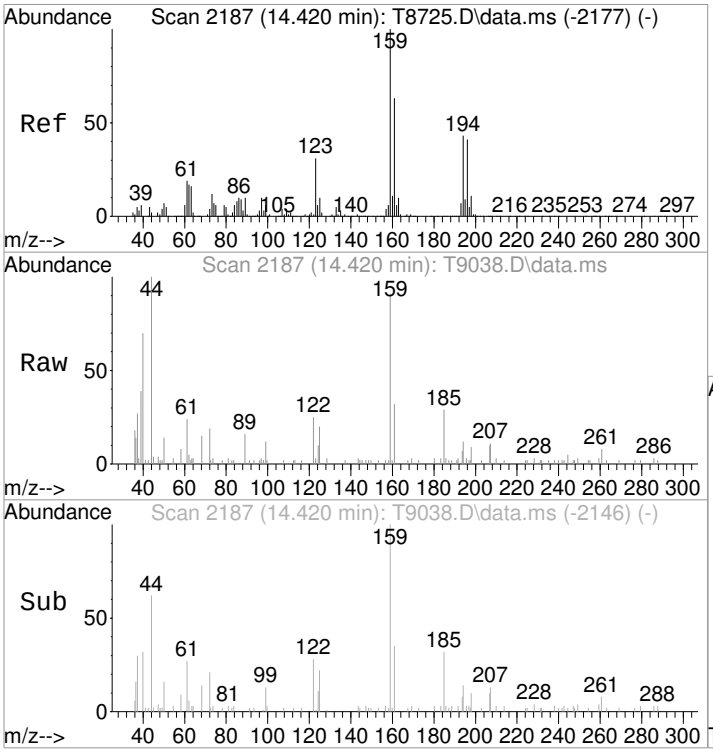


#114
1,2,4-Tcbenzene
Concen: 0.24 ug/L
RT: 13.456 min Scan# 2029
Delta R.T. -0.000 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion:180 Resp: 861

Ion	Ratio	Lower	Upper
180	100		
182	89.0	71.7	111.7
145	42.7	6.8	46.8

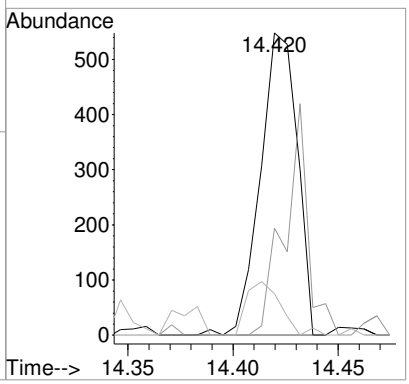


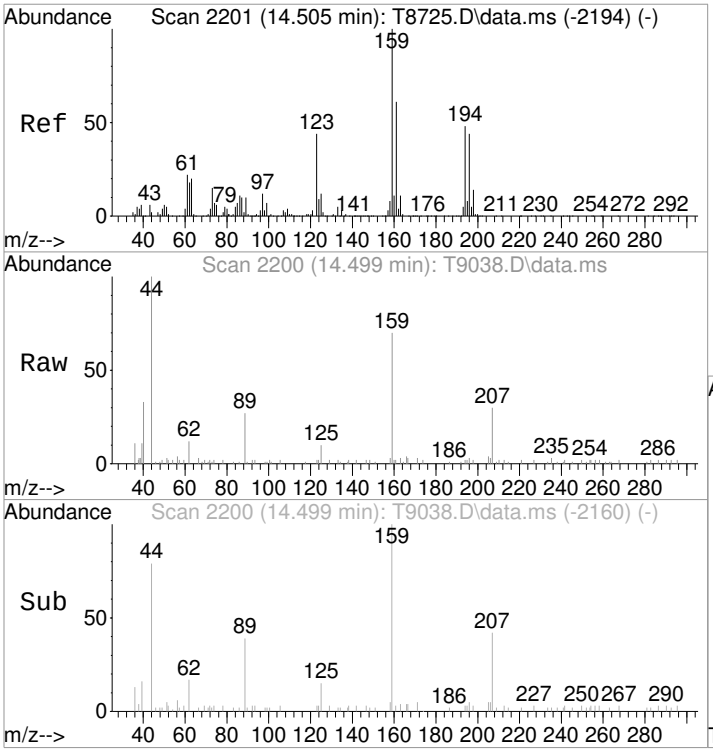


#118
2,4,5-Trichlorotoluene
Concen: 0.30 ug/L
RT: 14.420 min Scan# 2187
Delta R.T. -0.000 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion:159 Resp: 668

Ion	Ratio	Lower	Upper
159	100		
161	35.4	42.7	82.7#
194	13.7	23.1	63.1#

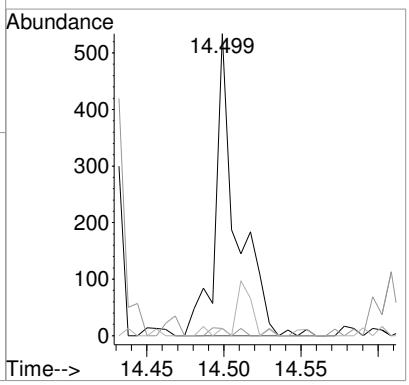




#119
2,3,6-Trichlorotoluene
Concen: 0.25 ug/L
RT: 14.499 min Scan# 2200
Delta R.T. -0.006 min
Lab File: T9038.D
Acq: 24 Sep 2021 11:35 pm

Tgt Ion:159 Resp: 509

Ion	Ratio	Lower	Upper
159	100		
161	2.4	40.6	80.6#
194	2.4	28.1	68.1#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9034.D
Acq On : 24 Sep 2021 10:07 pm
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 25 09:20:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	343855	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	555110	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	506138	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	261484	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	160821	51.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.78%			
46) surr1,1,2-dichloroetha...	5.793	65	211729	52.67	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.34%			
64) SURR3,Toluene-d8	8.317	98	644185	51.44	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.88%			
69) SURR2,BFB	10.884	95	237959	51.20	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	92018	24.83	ug/L	96
3) Chloromethane	1.288	50	109585	26.83	ug/L	97
4) Vinyl Chloride	1.361	62	100829	23.06	ug/L	99
5) Bromomethane	1.587	94	71782	13.29	ug/L	98
6) Chloroethane	1.672	64	60128	20.55	ug/L	91
7) Freon 21	1.818	67	145158	18.42	ug/L	96
8) Trichlorofluoromethane	1.867	101	106417	20.96	ug/L	99
9) Diethyl Ether	2.099	59	63923	21.74	ug/L	95
10) Freon 123a	2.105	67	80033	21.20	ug/L	90
11) Freon 123	2.154	83	85810	20.43	ug/L	97
12) Acrolein	2.203	56	34110	47.69	ug/L	91
13) 1,1-Diclethene	2.294	96	60956	21.67	ug/L	93
14) Freon 113	2.300	101	57620	21.53	ug/L	94
15) Acetone	2.337	43	30802	19.35	ug/L	89
16) 2-Propanol	2.465	45	120093	355.00	ug/L	94
17) Iodomethane	2.422	142	76863	19.73	ug/L	94
18) Carbon Disulfide	2.489	76	152981	23.54	ug/L	97
19) Acetonitrile	2.587	41	67188	112.35	ug/L	95
20) Allyl Chloride	2.629	76	34159	21.06	ug/L #	70
21) Methyl Acetate	2.648	43	78073	20.26	ug/L	98
22) Methylene Chloride	2.739	84	73263	21.06	ug/L	90
23) TBA	2.867	59	206483	386.64	ug/L	95
24) Acrylonitrile	2.995	53	175612	105.05	ug/L	96
25) Methyl-t-Butyl Ether	3.044	73	226798	20.59	ug/L	91
26) trans-1,2-Dichloroethene	3.038	96	67080	21.62	ug/L	93
27) 1,1-Diclethane	3.538	63	124275	21.85	ug/L	93
28) Vinyl Acetate	3.635	86	10501	15.71	ug/L #	76
29) DIPE	3.660	45	220781	20.95	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.666	53	89065	20.39	ug/L	97
31) ETBE	4.196	59	191862	19.45	ug/L	97
32) 2,2-Dichloropropane	4.379	77	73912	16.80	ug/L	94
33) cis-1,2-Dichloroethene	4.385	96	79045	22.31	ug/L	97
34) 2-Butanone	4.428	43	48766	21.05	ug/L	99
35) Propionitrile	4.501	54	70757	102.73	ug/L	94
36) Bromochloromethane	4.781	130	49420	21.59	ug/L #	75
37) Methacrylonitrile	4.787	67	38921	22.42	ug/L	92
38) Tetrahydrofuran	4.873	42	30604	21.23	ug/L	80
39) Chloroform	4.964	83	124400	21.86	ug/L	98
40) 1,1,1-Trichloroethane	5.263	97	93123	20.54	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9034.D
Acq On : 24 Sep 2021 10:07 pm
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 25 09:20:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.354	41	60527	18.13	ug/L		97
44) Carbontetrachloride	5.543	117	68295	17.55	ug/L		97
45) 1,1-Dichloropropene	5.556	75	83408	20.11	ug/L		97
47) Benzene	5.873	78	280358	21.50	ug/L		94
48) 1,2-Dichloroethane	5.915	62	102699	20.29	ug/L		99
49) Iso-Butyl Alcohol	5.891	43	76882	342.03	ug/L	#	74
50) TAME	6.110	73	203833	20.18	ug/L		96
51) n-Heptane	6.366	43	63731	17.18	ug/L		99
52) 1-Butanol	6.860	56	109027	970.21	ug/L		97
53) Trichloroethene	6.824	130	66590	20.63	ug/L		95
54) Methylcyclohexane	7.061	55	72436	18.90	ug/L		96
55) 1,2-Diclpropane	7.110	63	69597	19.34	ug/L		99
56) Dibromomethane	7.250	93	46970	19.92	ug/L		92
57) 1,4-Dioxane	7.311	88	28325	450.52	ug/L		90
58) Methyl Methacrylate	7.336	69	60954	20.77	ug/L		97
59) Bromodichloromethane	7.476	83	83968	19.88	ug/L		97
60) 2-Nitropropane	7.762	41	23782	22.35	ug/L		83
62) cis-1,3-Dichloropropene	8.025	75	97684	18.72	ug/L		95
63) 4-Methyl-2-pentanone	8.226	43	88070	19.71	ug/L		95
65) Toluene	8.396	91	304865	21.72	ug/L		97
66) trans-1,3-Dichloropropene	8.665	75	85880	18.26	ug/L		96
67) Ethyl Methacrylate	8.805	69	89507	18.02	ug/L		89
68) 1,1,2-Trichloroethane	8.848	97	70860	22.02	ug/L		98
71) Tetrachloroethene	8.988	164	48423	21.05	ug/L		97
72) 2-Hexanone	9.140	43	64570	20.53	ug/L		98
73) 1,3-Dichloropropane	9.018	76	118641	21.85	ug/L		95
74) Dibromochloromethane	9.244	129	53887	17.96	ug/L		92
75) N-Butyl Acetate	9.299	43	114283	17.19	ug/L		99
76) 1,2-Dibromoethane	9.341	107	68828	21.54	ug/L		95
77) 3-Chlorobenzotrifluoride	9.853	180	81997	19.41	ug/L		94
78) Chlorobenzene	9.835	112	184737	21.29	ug/L		98
79) 4-Chlorobenzotrifluoride	9.908	180	70049	18.50	ug/L		94
80) 1,1,1,2-Tetrachloroethane	9.921	131	55384	18.90	ug/L		94
81) Ethylbenzene	9.957	106	97596	21.27	ug/L		97
82) (m+p)Xylene	10.067	106	247155	45.28	ug/L		98
83) o-Xylene	10.427	106	122034	22.00	ug/L		91
84) Styrene	10.439	104	206067	21.82	ug/L		99
85) Bromoform	10.591	173	32171	17.51	ug/L		91
86) 2-Chlorobenzotrifluoride	10.670	180	82795	19.67	ug/L		91
87) Isopropylbenzene	10.762	105	289405	22.09	ug/L		97
88) Cyclohexanone	10.823	55	76621	117.31	ug/L		90
89) trans-1,4-Dichloro-2-B...	11.067	53	16548	15.96	ug/L	#	75
91) 1,1,2,2-Tetrachloroethane	11.018	83	106008	23.22	ug/L		99
92) Bromobenzene	11.006	156	80265	22.53	ug/L		98
93) 1,2,3-Trichloropropane	11.048	110	31032	21.48	ug/L		90
94) n-Propylbenzene	11.115	91	360357	22.68	ug/L		99
95) 2-Chlorotoluene	11.182	91	214930	21.52	ug/L		98
96) 3-Chlorotoluene	11.231	91	228281	23.09	ug/L		96
97) 4-Chlorotoluene	11.274	91	242505	21.86	ug/L		96
98) 1,3,5-Trimethylbenzene	11.268	105	255376	22.00	ug/L		99
99) tert-Butylbenzene	11.542	119	210315	21.65	ug/L		95
100) 1,2,4-Trimethylbenzene	11.579	105	255325	22.04	ug/L		100
101) 3,4-Dichlorobenzotrifl...	11.640	214	56575	17.81	ug/L		96
102) sec-Butylbenzene	11.725	105	306949	22.19	ug/L		99
103) p-Isopropyltoluene	11.847	119	251452	21.40	ug/L		97
104) 1,3-Dclbenz	11.804	146	147362	21.73	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9034.D
Acq On : 24 Sep 2021 10:07 pm
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 25 09:20:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

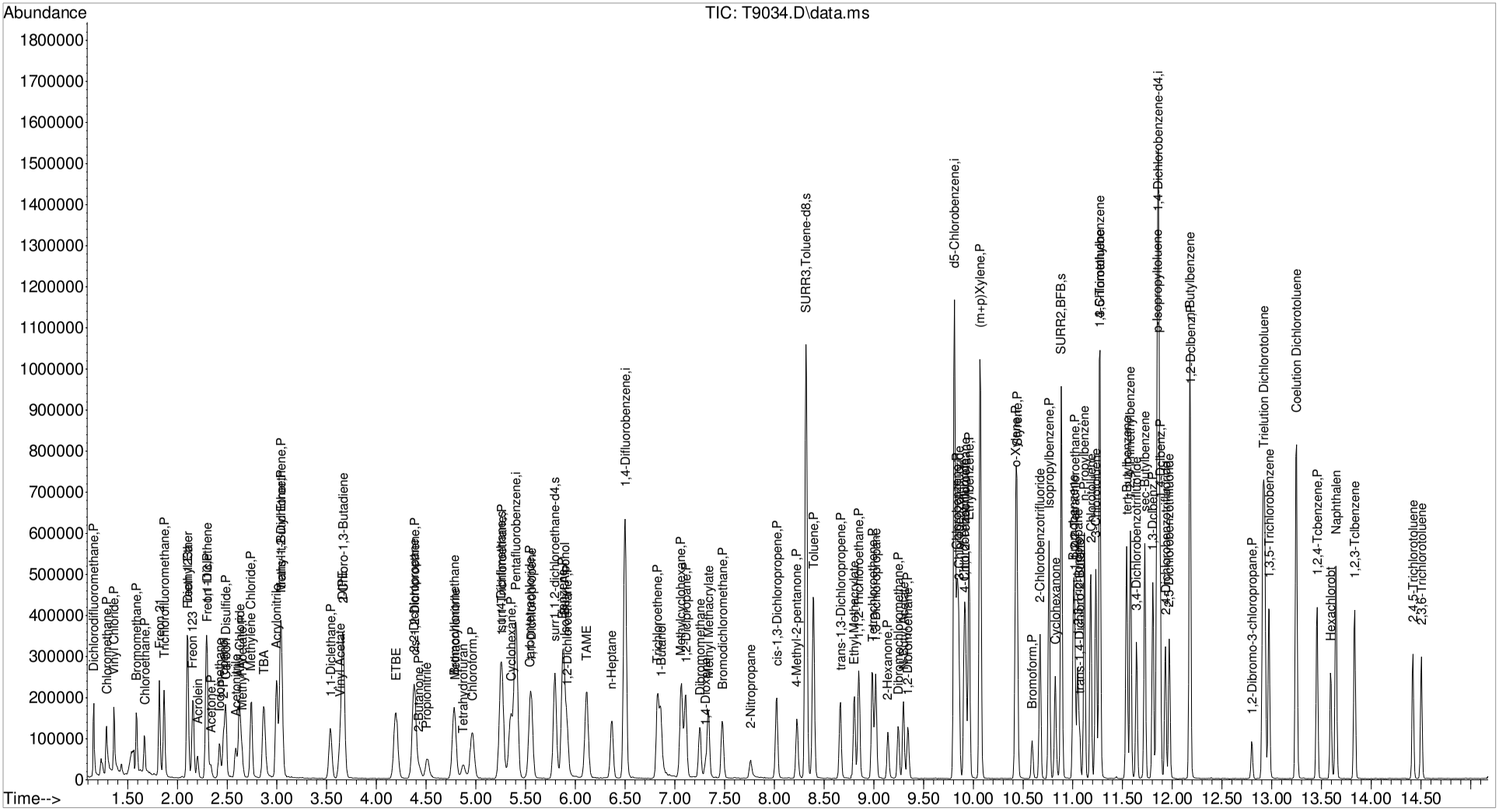
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.877	146	149967	20.04	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	51223	18.25	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.969	214	59998	18.71	ug/L	96
108) n-Butylbenzene	12.176	91	238016	21.23	ug/L	99
109) 1,2-Dclbenz	12.182	146	151454	22.18	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.804	157	15081	18.07	ug/L	95
111) Trielution Dichlorotol...	12.920	125	363397	69.03	ug/L	96
112) 1,3,5-Trichlorobenzene	12.975	180	94049	20.90	ug/L	93
113) Coelution Dichlorotoluene	13.249	125	262103	45.16	ug/L	97
114) 1,2,4-Tcbenzene	13.456	180	89233	21.65	ug/L	87
115) Hexachlorobt	13.591	225	33168	23.79	ug/L	91
116) Naphthalen	13.645	128	303116	23.80	ug/L	98
117) 1,2,3-Tclbenzene	13.834	180	91830	21.40	ug/L	94
118) 2,4,5-Trichlorotoluene	14.420	159	59098	23.23	ug/L	91
119) 2,3,6-Trichlorotoluene	14.505	159	52990	22.83	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9034.D
Acq On : 24 Sep 2021 10:07 pm
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 25 09:20:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st FJ 09/25/21
2nd 09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9035.D
Acq On : 24 Sep 2021 10:29 pm
Operator : F.NAEGLER
Sample : LCSD-FP Inst : MSVOA10
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 25 09:22:15 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	337079	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	545345	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	498715	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	255074	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	161090	52.91	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 105.82%				
46) surr1,1,2-dichloroetha...	5.793	65	203430	51.51	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.02%				
64) SURR3,Toluene-d8	8.317	98	637021	51.78	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.56%				
69) SURR2,BFB	10.884	95	233480	51.13	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.26%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	77134	21.23	ug/L		97
3) Chloromethane	1.288	50	89635	22.39	ug/L		94
4) Vinyl Chloride	1.361	62	90895	21.20	ug/L		95
5) Bromomethane	1.593	94	64198	12.12	ug/L		97
6) Chloroethane	1.672	64	56806	19.81	ug/L		89
7) Freon 21	1.818	67	134275	17.39	ug/L		99
8) Trichlorofluoromethane	1.867	101	95664	19.22	ug/L		99
9) Diethyl Ether	2.099	59	56590	19.63	ug/L		96
10) Freon 123a	2.105	67	77215	20.87	ug/L		95
11) Freon 123	2.160	83	78155	18.98	ug/L		98
12) Acrolein	2.202	56	28707	40.95	ug/L		97
13) 1,1-Diclethene	2.294	96	54814	19.87	ug/L	#	84
14) Freon 113	2.300	101	50930	19.42	ug/L		98
15) Acetone	2.336	43	26371	16.90	ug/L		90
16) 2-Propanol	2.464	45	107181	323.20	ug/L		96
17) Iodomethane	2.422	142	71418	18.70	ug/L		97
18) Carbon Disulfide	2.489	76	132118	20.74	ug/L		99
19) Acetonitrile	2.586	41	60699	103.54	ug/L		96
20) Allyl Chloride	2.623	76	30999	19.50	ug/L	#	77
21) Methyl Acetate	2.647	43	72318	19.15	ug/L		99
22) Methylene Chloride	2.745	84	68631	20.12	ug/L		92
23) TBA	2.867	59	178080	340.16	ug/L		100
24) Acrylonitrile	2.995	53	155419	94.84	ug/L		95
25) Methyl-t-Butyl Ether	3.050	73	205848	19.06	ug/L		93
26) trans-1,2-Dichloroethene	3.038	96	61961	20.37	ug/L	#	80
27) 1,1-Diclethane	3.537	63	111906	20.07	ug/L		92
28) Vinyl Acetate	3.629	86	8822	13.46	ug/L	#	91
29) DIPE	3.665	45	203251	19.68	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.659	53	78683	18.37	ug/L		97
31) ETBE	4.202	59	178449	18.46	ug/L		95
32) 2,2-Dichloropropane	4.373	77	68543	15.89	ug/L		93
33) cis-1,2-Dichloroethene	4.379	96	70592	20.32	ug/L		91
34) 2-Butanone	4.440	43	43526	19.16	ug/L		96
35) Propionitrile	4.513	54	62469	92.52	ug/L		94
36) Bromochloromethane	4.787	130	44370	19.77	ug/L	#	86
37) Methacrylonitrile	4.787	67	33514	19.69	ug/L		92
38) Tetrahydrofuran	4.866	42	25603	18.12	ug/L		97
39) Chloroform	4.964	83	114047	20.43	ug/L		88
40) 1,1,1-Trichloroethane	5.263	97	85221	19.18	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9035.D
Acq On : 24 Sep 2021 10:29 pm
Operator : F.NAEGLER
Sample : LCSD-FP Inst : MSVOA10
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 25 09:22:15 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	54336	16.57	ug/L		92
44) Carbontetrachloride	5.543	117	59010	15.44	ug/L		95
45) 1,1-Dichloropropene	5.561	75	78149	19.18	ug/L		97
47) Benzene	5.878	78	251636	19.64	ug/L		94
48) 1,2-Dichloroethane	5.915	62	91362	18.37	ug/L		95
49) Iso-Butyl Alcohol	5.891	43	64222	290.82	ug/L		98
50) TAME	6.116	73	185949	18.74	ug/L		98
51) n-Heptane	6.366	43	57801	15.86	ug/L		91
52) 1-Butanol	6.860	56	92220	843.61	ug/L		99
53) Trichloroethene	6.829	130	61036	19.25	ug/L		94
54) Methylcyclohexane	7.067	55	67786	18.00	ug/L		92
55) 1,2-Diclpropane	7.110	63	66578	18.83	ug/L		92
56) Dibromomethane	7.250	93	46096	19.89	ug/L		85
57) 1,4-Dioxane	7.311	88	23907	387.06	ug/L		85
58) Methyl Methacrylate	7.335	69	54509	18.91	ug/L		92
59) Bromodichloromethane	7.476	83	77801	18.75	ug/L		97
60) 2-Nitropropane	7.762	41	19811	18.95	ug/L		86
62) cis-1,3-Dichloropropene	8.024	75	88189	17.20	ug/L		99
63) 4-Methyl-2-pentanone	8.226	43	77628	17.68	ug/L		97
65) Toluene	8.390	91	272698	19.77	ug/L		95
66) trans-1,3-Dichloropropene	8.664	75	75146	16.27	ug/L		96
67) Ethyl Methacrylate	8.805	69	82216	16.85	ug/L		85
68) 1,1,2-Trichloroethane	8.847	97	62349	19.72	ug/L		90
71) Tetrachloroethene	8.988	164	43849	19.35	ug/L		99
72) 2-Hexanone	9.140	43	55777	17.99	ug/L		91
73) 1,3-Dichloropropane	9.018	76	110251	20.60	ug/L		94
74) Dibromochloromethane	9.244	129	51326	17.36	ug/L		97
75) N-Butyl Acetate	9.299	43	106271	16.22	ug/L		96
76) 1,2-Dibromoethane	9.341	107	62156	19.74	ug/L		96
77) 3-Chlorobenzotrifluoride	9.853	180	74844	17.98	ug/L		89
78) Chlorobenzene	9.835	112	170413	19.93	ug/L		97
79) 4-Chlorobenzotrifluoride	9.914	180	68597	18.39	ug/L		90
80) 1,1,1,2-Tetrachloroethane	9.926	131	48017	16.63	ug/L		95
81) Ethylbenzene	9.957	106	87180	19.28	ug/L		94
82) (m+p)Xylene	10.067	106	220645	41.03	ug/L		97
83) o-Xylene	10.426	106	112180	20.52	ug/L		95
84) Styrene	10.439	104	188080	20.26	ug/L		99
85) Bromoform	10.591	173	30418	16.83	ug/L		94
86) 2-Chlorobenzotrifluoride	10.670	180	74692	18.01	ug/L		95
87) Isopropylbenzene	10.762	105	261369	20.24	ug/L		98
88) Cyclohexanone	10.823	55	64024	99.48	ug/L		96
89) trans-1,4-Dichloro-2-B...	11.073	53	16188	15.85	ug/L		79
91) 1,1,2,2-Tetrachloroethane	11.024	83	95195	21.37	ug/L		100
92) Bromobenzene	11.012	156	69518	20.00	ug/L	#	88
93) 1,2,3-Trichloropropane	11.048	110	26930	19.11	ug/L		96
94) n-Propylbenzene	11.115	91	322811	20.83	ug/L		98
95) 2-Chlorotoluene	11.182	91	192908	19.80	ug/L		98
96) 3-Chlorotoluene	11.231	91	203953	21.15	ug/L		98
97) 4-Chlorotoluene	11.274	91	225941	20.88	ug/L		97
98) 1,3,5-Trimethylbenzene	11.268	105	228357	20.17	ug/L		99
99) tert-Butylbenzene	11.542	119	193532	20.43	ug/L		95
100) 1,2,4-Trimethylbenzene	11.579	105	232771	20.60	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.646	214	51956	16.77	ug/L		94
102) sec-Butylbenzene	11.725	105	281869	20.89	ug/L		97
103) p-Isopropyltoluene	11.847	119	231479	20.20	ug/L		99
104) 1,3-Dclbenz	11.804	146	139466	21.08	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9035.D
Acq On : 24 Sep 2021 10:29 pm
Operator : F.NAEGLER
Sample : LCSD-FP Inst : MSVOA10
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 25 09:22:15 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

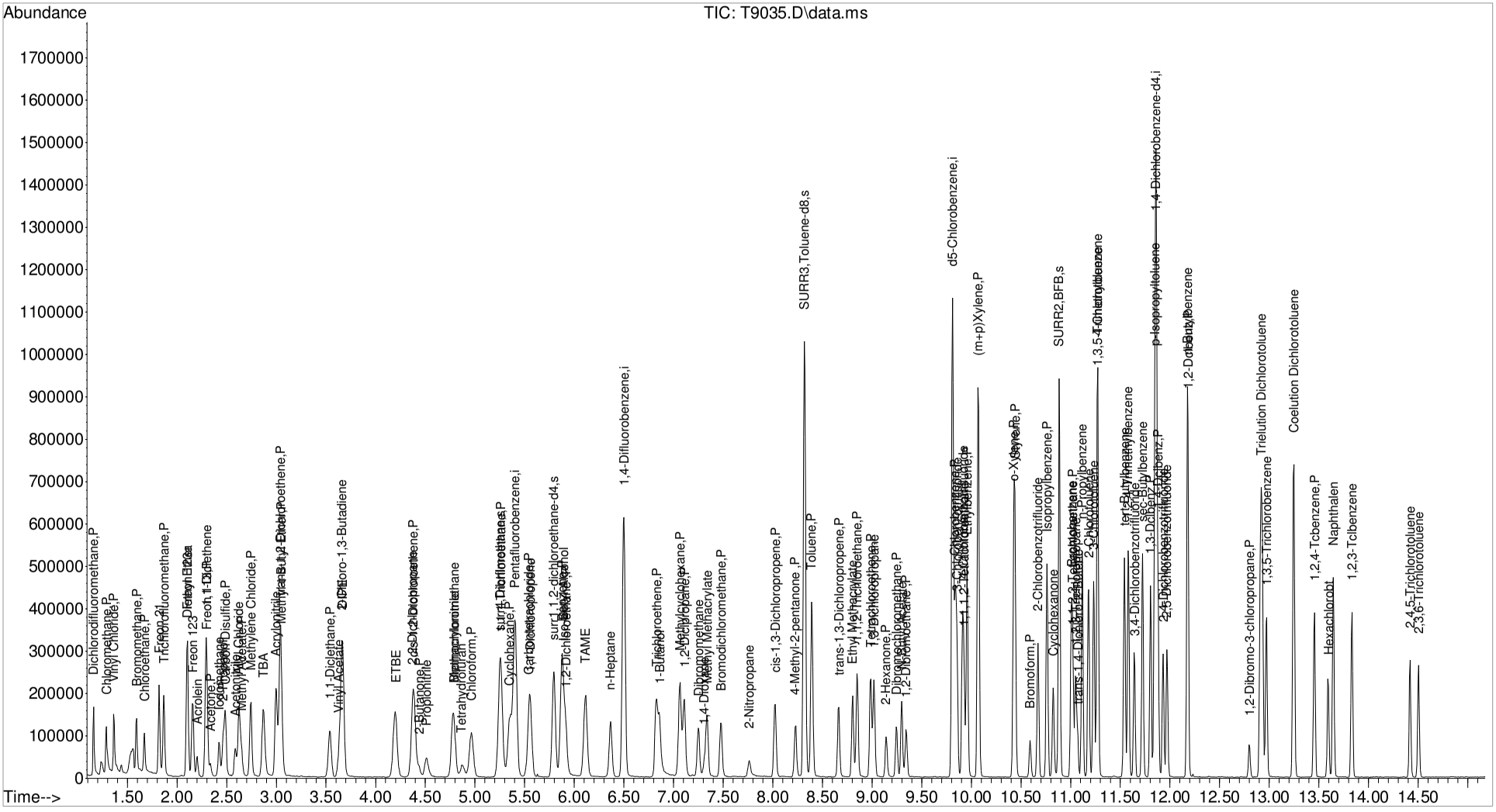
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.877	146	133449	18.28	ug/L	94
106) 2,4-Dichlorobenzotrifl...	11.932	214	46257	16.89	ug/L	81
107) 2,5-Dichlorobenzotrifl...	11.969	214	54379	17.38	ug/L	97
108) n-Butylbenzene	12.176	91	213395	19.51	ug/L	98
109) 1,2-Dclbenz	12.182	146	135662	20.37	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.804	157	13589	16.69	ug/L	86
111) Trielution Dichlorotol...	12.920	125	327586	63.79	ug/L	98
112) 1,3,5-Trichlorobenzene	12.975	180	84763	19.31	ug/L	94
113) Coelution Dichlorotoluene	13.249	125	241771	42.70	ug/L	96
114) 1,2,4-Tcbenzene	13.456	180	89228	22.19	ug/L	96
115) Hexachlorobt	13.596	225	29058	21.38	ug/L	93
116) Naphthalen	13.645	128	274331	22.08	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	84152	20.10	ug/L	97
118) 2,4,5-Trichlorotoluene	14.419	159	52822	21.29	ug/L	99
119) 2,3,6-Trichlorotoluene	14.505	159	50030	22.10	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9035.D
Acq On : 24 Sep 2021 10:29 pm
Operator : F.NAEGLER
Sample : LCSD-FP Inst : MSVOA10
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 25 09:22:15 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st FN 09/25/21
2nd 09/27/21

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9033.D
Acq On : 24 Sep 2021 9:46 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 25 09:19:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	131	0.00
2	P	Dichlorodifluoromethane	50.000	60.741	-21.5#	178	0.00
3	P	Chloromethane	50.000	48.713	2.6	145	0.00
4	P	Vinyl Chloride	50.000	51.444	-2.9	148	0.00
5	P	Bromomethane	50.000	35.715	28.6#	121	0.00
6	P	Chloroethane	50.000	46.645	6.7	141	0.00
7		Freon 21	50.000	48.595	2.8	173	0.00
8	P	Trichlorofluoromethane	50.000	52.833	-5.7	180	0.00
9		Diethyl Ether	50.000	50.590	-1.2	137	0.00
10		Freon 123a	50.000	53.479	-7.0	175	0.00
11		Freon 123	50.000	54.662	-9.3	179	0.00
12		Acrolein	250.000	283.556	-13.4	155	0.00
13		1,1-Diclethene	50.000	54.785	-9.6	172	0.00
14	P	Freon 113	50.000	55.565	-11.1	178	0.00
15	P	Acetone	50.000	51.251	-2.5	151	0.00
16		2-Propanol	1000.000	903.815	9.6	124	0.00
17		Iodomethane	50.000	54.681	-9.4	158	0.00
18	P	Carbon Disulfide	50.000	59.162	-18.3	182	0.00
19		Acetonitrile	250.000	251.005	-0.4	120	0.00
20		Allyl Chloride	50.000	54.414	-8.8	152	0.00
21	P	Methyl Acetate	50.000	46.540	6.9	133	0.00
22	P	Methylene Chloride	50.000	52.006	-4.0	153	0.00
23		TBA	1000.000	941.192	5.9	128	0.00
24		Acrylonitrile	250.000	262.452	-5.0	141	0.00
25	P	Methyl-t-Butyl Ether	50.000	51.642	-3.3	139	0.00
26	P	trans-1,2-Dichloroethene	50.000	53.361	-6.7	158	0.00
27	P	1,1-Diclethane	50.000	53.405	-6.8	150	0.00
28		Vinyl Acetate	50.000	37.868	24.3#	99	0.00
29		DIPE	50.000	46.666	6.7	126	0.00
30		2-Chloro-1,3-Butadiene	50.000	54.373	-8.7	167	0.00
31		ETBE	50.000	47.785	4.4	132	0.00
32		2,2-Dichloropropane	50.000	42.184	15.6	128	0.00
33	P	cis-1,2-Dichloroethene	50.000	53.114	-6.2	155	0.00
34	P	2-Butanone	50.000	52.511	-5.0	145	0.00
35		Propionitrile	250.000	252.460	-1.0	139	0.00
36		Bromochloromethane	50.000	52.140	-4.3	147	0.00
37		Methacrylonitrile	50.000	55.713	-11.4	144	0.00
38		Tetrahydrofuran	50.000	51.163	-2.3	149	0.00
39	P	Chloroform	50.000	55.401	-10.8	153	0.00
40	P	1,1,1-Trichloroethane	50.000	50.248	-0.5	150	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	137	0.00
42	P	Cyclohexane	50.000	47.924	4.2	163	0.00
43	s	surr4,Dibrflmethane	50.000	51.609	-3.2	138	0.00
44	P	Carbontetrachloride	50.000	42.755	14.5	142	0.00
45		1,1-Dichloropropene	50.000	51.373	-2.7	167	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	50.823	-1.6	142	0.00
47	P	Benzene	50.000	53.396	-6.8	155	0.00
48	P	1,2-Dichloroethane	50.000	48.773	2.5	137	0.00
49		Iso-Butyl Alcohol	1000.000	881.154	11.9	118	0.00
50		TAME	50.000	46.864	6.3	135	0.00
51		n-Heptane	50.000	46.656	6.7	154	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9033.D
Acq On : 24 Sep 2021 9:46 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 25 09:19:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.000	2282.232	8.7	116	0.00
53	P	Trichloroethene	50.000	55.135	-10.3	166	0.00
54	P	Methylcyclohexane	50.000	52.054	-4.1	178	0.00
55	P	1,2-Diclpropane	50.000	47.507	5.0	140	0.00
56		Dibromomethane	50.000	50.828	-1.7	151	0.00
57		1,4-Dioxane	1000.000	1061.310	-6.1	145	0.00
58		Methyl Methacrylate	50.000	51.266	-2.5	138	0.00
59	P	Bromodichloromethane	50.000	50.446	-0.9	136	0.00
60		2-Nitropropane	100.000	54.129	45.9#	73	0.00
61		2-Chloroethylvinyl Ether	50.000	50.386	-0.8	135	0.00
62	P	cis-1,3-Dichloropropene	50.000	46.524	7.0	132	0.00
63	P	4-Methyl-2-pentanone	50.000	50.014	-0.0	136	0.00
64	s	SURR3,Toluene-d8	50.000	50.858	-1.7	137	0.00
65	P	Toluene	50.000	53.046	-6.1	159	0.00
66	P	trans-1,3-Dichloropropene	50.000	44.866	10.3	119	0.00
67		Ethyl Methacrylate	50.000	52.714	-5.4	139	0.00
68	P	1,1,2-Trichloroethane	50.000	52.245	-4.5	142	0.00
69	s	SURR2,BFB	50.000	52.301	-4.6	145	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	136	0.00
71	P	Tetrachloroethene	50.000	50.220	-0.4	162	0.00
72	P	2-Hexanone	50.000	52.667	-5.3	138	0.00
73		1,3-Dichloropropane	50.000	52.976	-6.0	143	0.00
74	P	Dibromochloromethane	50.000	48.741	2.5	131	0.00
75		N-Butyl Acetate	50.000	49.242	1.5	134	0.00
76	P	1,2-Dibromoethane	50.000	54.275	-8.5	141	0.00
77		3-Chlorobenzotrifluoride	50.000	47.842	4.3	144	0.00
78	P	Chlorobenzene	50.000	51.713	-3.4	151	0.00
79		4-Chlorobenzotrifluoride	50.000	46.833	6.3	145	0.00
80		1,1,1,2-Tetrachloroethane	50.000	46.681	6.6	129	0.00
81	P	Ethylbenzene	50.000	52.819	-5.6	156	0.00
82	P	(m+p)Xylene	100.000	109.831	-9.8	156	0.00
83	P	o-Xylene	50.000	54.904	-9.8	159	0.00
84	P	Styrene	50.000	52.157	-4.3	146	0.00
85	P	Bromoform	50.000	44.845	10.3	114	0.00
86		2-Chlorobenzotrifluoride	50.000	48.955	2.1	146	0.00
87	P	Isopropylbenzene	50.000	55.529	-11.1	168	0.00
88		Cyclohexanone	1000.000	1098.667	-9.9	145	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	48.042	3.9	129	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	142	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	50.897	-1.8	144	0.00
92		Bromobenzene	50.000	50.095	-0.2	144	0.00
93		1,2,3-Trichloropropane	50.000	49.325	1.3	143	0.00
94		n-Propylbenzene	50.000	52.518	-5.0	160	0.00
95		2-Chlorotoluene	50.000	50.812	-1.6	155	0.00
96		3-Chlorotoluene	50.000	51.808	-3.6	150	0.00
97		4-Chlorotoluene	50.000	52.285	-4.6	156	0.00
98		1,3,5-Trimethylbenzene	50.000	53.716	-7.4	158	0.00
99		tert-Butylbenzene	50.000	51.035	-2.1	164	0.00
100		1,2,4-Trimethylbenzene	50.000	53.078	-6.2	155	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	43.086	13.8	140	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9033.D
Acq On : 24 Sep 2021 9:46 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 25 09:19:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.000	53.812	-7.6	166	0.00
103		p-Isopropyltoluene	50.000	54.293	-8.6	161	0.00
104	P	1,3-Dclbenz	50.000	51.919	-3.8	150	0.00
105	P	1,4-Dclbenz	50.000	47.817	4.4	145	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	45.137	9.7	137	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	44.156	11.7	132	0.00
108		n-Butylbenzene	50.000	53.613	-7.2	158	0.00
109	P	1,2-Dclbenz	50.000	51.343	-2.7	141	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	46.668	6.7	121	0.00
111		Trielution Dichlorotoluene	150.000	160.117	-6.7	148	0.00
112		1,3,5-Trichlorobenzene	50.000	49.139	1.7	142	0.00
113		Coelution Dichlorotoluene	100.000	105.515	-5.5	145	0.00
114	P	1,2,4-Tcbenzene	50.000	51.173	-2.3	136	0.00
115		Hexachlorobt	50.000	51.872	-3.7	150	0.00
116		Naphthalen	50.000	57.420	-14.8	141	0.00
117		1,2,3-Tclbenzene	50.000	49.861	0.3	142	0.00
118		2,4,5-Trichlorotoluene	50.000	53.183	-6.4	140	0.00
119		2,3,6-Trichlorotoluene	50.000	52.715	-5.4	141	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9033.D
Acq On : 24 Sep 2021 9:46 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 25 09:19:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	339169	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	553996	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	513532	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	290254	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	159624	51.61	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.22%				
46) surr1,1,2-dichloroetha...	5.799	65	203905	50.82	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.64%				
64) SURR3,Toluene-d8	8.317	98	635627	50.86	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.72%				
69) SURR2,BFB	10.884	95	242603	52.30	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 104.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	222036	60.74	ug/L		94
3) Chloromethane	1.288	50	196242	48.71	ug/L		98
4) Vinyl Chloride	1.361	62	221894	51.44	ug/L		98
5) Bromomethane	1.587	94	190314	35.71	ug/L		95
6) Chloroethane	1.666	64	134592	46.64	ug/L		93
7) Freon 21	1.818	67	377632	48.59	ug/L		95
8) Trichlorofluoromethane	1.867	101	264572	52.83	ug/L		96
9) Diethyl Ether	2.099	59	146735	50.59	ug/L		99
10) Freon 123a	2.105	67	199118	53.48	ug/L		96
11) Freon 123	2.154	83	226443	54.66	ug/L		94
12) Acrolein	2.202	56	200031	283.56	ug/L		98
13) 1,1-Diclethene	2.294	96	152039	54.78	ug/L		96
14) Freon 113	2.294	101	146647	55.56	ug/L		94
15) Acetone	2.330	43	80490	51.25	ug/L		94
16) 2-Propanol	2.465	45	301587	903.82	ug/L		92
17) Iodomethane	2.422	142	210094	54.68	ug/L		97
18) Carbon Disulfide	2.483	76	379241	59.16	ug/L		98
19) Acetonitrile	2.586	41	148067	251.00	ug/L		94
20) Allyl Chloride	2.623	76	87039	54.41	ug/L	#	84
21) Methyl Acetate	2.647	43	176876	46.54	ug/L		94
22) Methylene Chloride	2.745	84	178490	52.01	ug/L		89
23) TBA	2.873	59	495793	941.19	ug/L		97
24) Acrylonitrile	2.995	53	432770	262.45	ug/L		92
25) Methyl-t-Butyl Ether	3.044	73	561110	51.64	ug/L		95
26) trans-1,2-Dichloroethene	3.038	96	163331	53.36	ug/L		88
27) 1,1-Diclethane	3.538	63	299591	53.41	ug/L		96
28) Vinyl Acetate	3.635	86	24965	37.87	ug/L	#	96
29) DIPE	3.666	45	485003	46.67	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.666	53	234325	54.37	ug/L		96
31) ETBE	4.190	59	464906	47.78	ug/L		98
32) 2,2-Dichloropropane	4.379	77	183044	42.18	ug/L		98
33) cis-1,2-Dichloroethene	4.385	96	185620	53.11	ug/L		98
34) 2-Butanone	4.428	43	120009	52.51	ug/L		98
35) Propionitrile	4.513	54	171517	252.46	ug/L		91
36) Bromochloromethane	4.781	130	117734	52.14	ug/L	#	87
37) Methacrylonitrile	4.781	67	95415	55.71	ug/L		85
38) Tetrahydrofuran	4.867	42	72751	51.16	ug/L		97
39) Chloroform	4.964	83	313902	55.40	ug/L		97
40) 1,1,1-Trichloroethane	5.263	97	224654	50.25	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9033.D
Acq On : 24 Sep 2021 9:46 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 25 09:19:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.354	41	159670	47.92	ug/L	99
44) Carbontetrachloride	5.543	117	166011	42.76	ug/L	93
45) 1,1-Dichloropropene	5.555	75	212676	51.37	ug/L	99
47) Benzene	5.872	78	694846	53.40	ug/L	96
48) 1,2-Dichloroethane	5.915	62	246432	48.77	ug/L	97
49) Iso-Butyl Alcohol	5.891	43	197671	881.15	ug/L	94
50) TAME	6.116	73	472480	46.86	ug/L	95
51) n-Heptane	6.366	43	172706	46.66	ug/L	93
52) 1-Butanol	6.860	56	281142	2282.23	ug/L	95
53) Trichloroethene	6.823	130	177584	55.13	ug/L	96
54) Methylcyclohexane	7.067	55	199112	52.05	ug/L	96
55) 1,2-Diclpropane	7.110	63	170594	47.51	ug/L	95
56) Dibromomethane	7.250	93	119638	50.83	ug/L	93
57) 1,4-Dioxane	7.311	88	66593	1061.31	ug/L	84
58) Methyl Methacrylate	7.336	69	150123	51.27	ug/L	91
59) Bromodichloromethane	7.476	83	212631	50.45	ug/L	97
60) 2-Nitropropane	7.756	41	57482	54.13	ug/L	86
61) 2-Chloroethylvinyl Ether	7.884	63	118624	50.39	ug/L	99
62) cis-1,3-Dichloropropene	8.024	75	242325	46.52	ug/L	95
63) 4-Methyl-2-pentanone	8.226	43	223029	50.01	ug/L	85
65) Toluene	8.390	91	743148	53.05	ug/L	97
66) trans-1,3-Dichloropropene	8.665	75	210573	44.87	ug/L	96
67) Ethyl Methacrylate	8.805	69	261355	52.71	ug/L	93
68) 1,1,2-Trichloroethane	8.854	97	167823	52.24	ug/L	98
71) Tetrachloroethene	8.988	164	117211	50.22	ug/L	96
72) 2-Hexanone	9.140	43	168097	52.67	ug/L	96
73) 1,3-Dichloropropane	9.018	76	291916	52.98	ug/L	95
74) Dibromochloromethane	9.244	129	148404	48.74	ug/L	99
75) N-Butyl Acetate	9.299	43	332195	49.24	ug/L	95
76) 1,2-Dibromoethane	9.341	107	175935	54.28	ug/L	95
77) 3-Chlorobenzotrifluoride	9.853	180	205032	47.84	ug/L	91
78) Chlorobenzene	9.835	112	455213	51.71	ug/L	97
79) 4-Chlorobenzotrifluoride	9.908	180	179889	46.83	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.927	131	138803	46.68	ug/L	92
81) Ethylbenzene	9.957	106	245877	52.82	ug/L	99
82) (m+p)Xylene	10.073	106	608246	109.83	ug/L	94
83) o-Xylene	10.426	106	309054	54.90	ug/L	92
84) Styrene	10.439	104	517590	52.16	ug/L	100
85) Bromoform	10.591	173	89939	44.84	ug/L	97
86) 2-Chlorobenzotrifluoride	10.670	180	209055	48.95	ug/L	92
87) Isopropylbenzene	10.762	105	738279	55.53	ug/L	97
88) Cyclohexanone	10.823	55	728100	1098.67	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.073	53	54010	48.04	ug/L	90
91) 1,1,2,2-Tetrachloroethane	11.018	83	257961	50.90	ug/L	96
92) Bromobenzene	11.006	156	198120	50.10	ug/L	98
93) 1,2,3-Trichloropropane	11.048	110	79114	49.32	ug/L	97
94) n-Propylbenzene	11.115	91	926091	52.52	ug/L	99
95) 2-Chlorotoluene	11.182	91	563369	50.81	ug/L	100
96) 3-Chlorotoluene	11.231	91	568462	51.81	ug/L	97
97) 4-Chlorotoluene	11.274	91	643946	52.28	ug/L	96
98) 1,3,5-Trimethylbenzene	11.268	105	691993	53.72	ug/L	100
99) tert-Butylbenzene	11.542	119	550222	51.04	ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	682512	53.08	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.640	214	151943	43.09	ug/L	94
102) sec-Butylbenzene	11.725	105	826293	53.81	ug/L	100
103) p-Isopropyltoluene	11.847	119	708015	54.29	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9033.D
Acq On : 24 Sep 2021 9:46 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 25 09:19:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

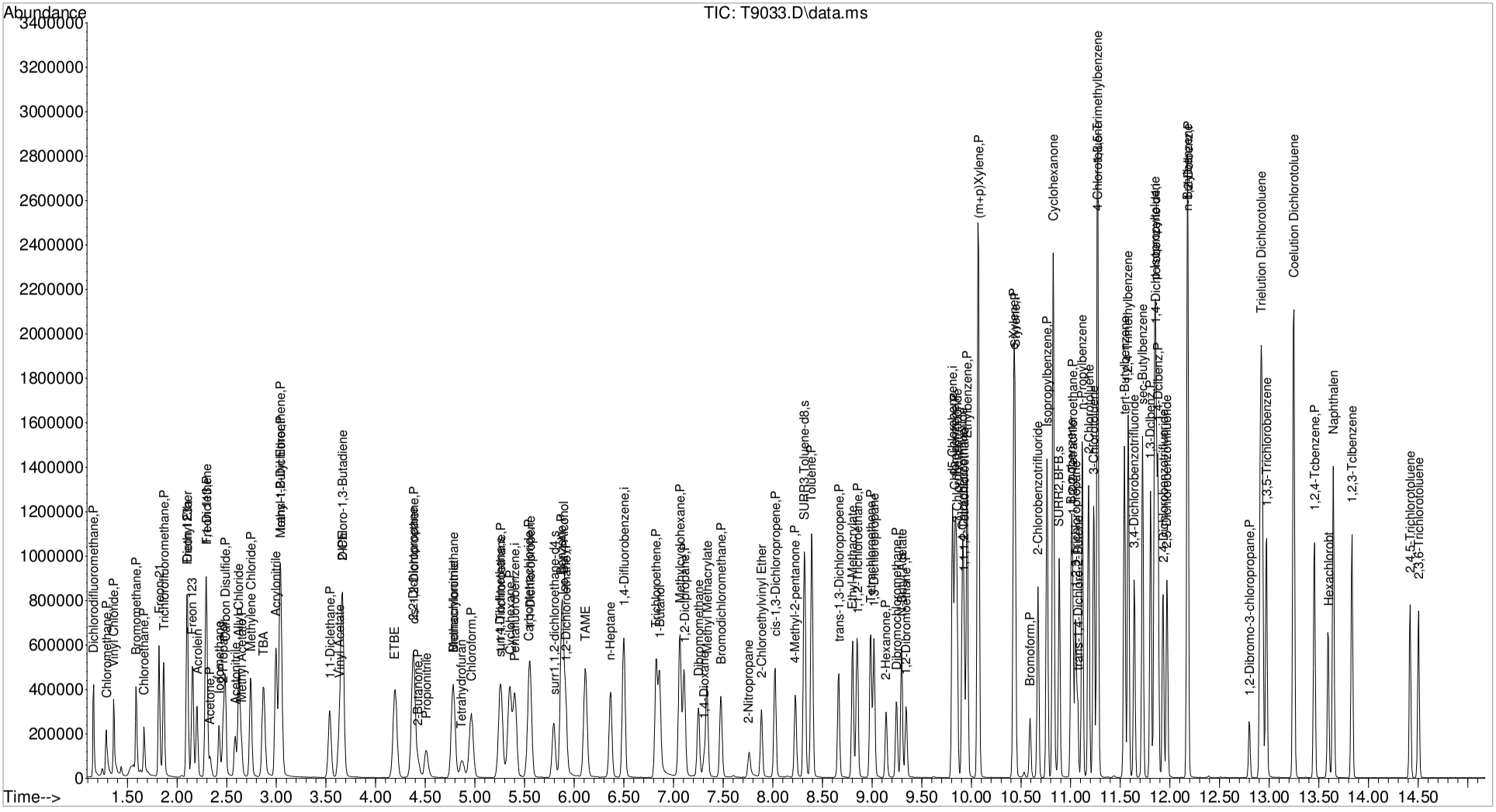
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	390867	51.92	ug/L	97
105) 1,4-Dclbenz	11.877	146	397252	47.82	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.932	214	140656	45.14	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.969	214	157195	44.16	ug/L	96
108) n-Butylbenzene	12.176	91	667336	53.61	ug/L	97
109) 1,2-Dclbenz	12.182	146	389162	51.34	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.804	157	43233	46.67	ug/L	93
111) Trielution Dichlorotol...	12.920	125	935613	160.12	ug/L	97
112) 1,3,5-Trichlorobenzene	12.975	180	245456	49.14	ug/L	98
113) Coelution Dichlorotoluene	13.249	125	679784	105.51	ug/L	98
114) 1,2,4-Tcbenzene	13.456	180	234128	51.17	ug/L	94
115) Hexachlorobt	13.597	225	81418	51.87	ug/L	97
116) Naphthalen	13.645	128	811891	57.42	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	237493	49.86	ug/L	96
118) 2,4,5-Trichlorotoluene	14.420	159	150166	53.18	ug/L	99
119) 2,3,6-Trichlorotoluene	14.505	159	135800	52.71	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9033.D
Acq On : 24 Sep 2021 9:46 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 25 09:19:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



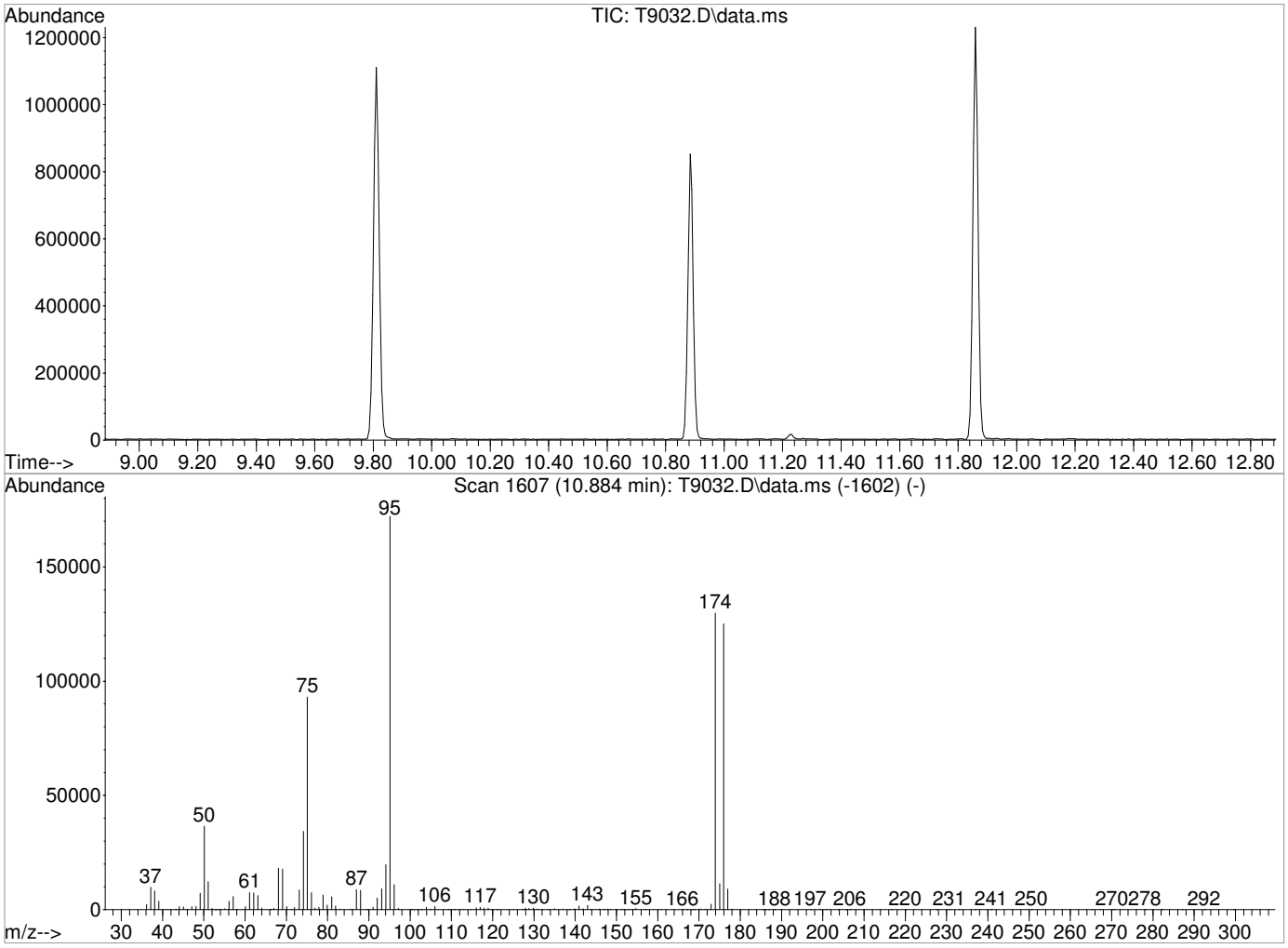
1st 09/25/21
2nd 09/27/21

1st FW 09/25/21
2nd WR 09/27/21

Data Path : I:\ACQUDATA\msvoa10\data\092421\
Data File : T9032.D
Acq On : 24 Sep 2021 9:24 pm
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Sep 08 09:35:19 2021



Spectrum Information: Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	36523	PASS
75	95	30	60	54.1	93072	PASS
95	95	100	100	100.0	172115	PASS
96	95	5	9	6.3	10919	PASS
173	174	0.00	2	1.8	2312	PASS
174	95	50	120	75.4	129827	PASS
175	174	5	9	8.7	11299	PASS
176	174	95	101	96.4	125147	PASS
177	176	5	9	7.2	9040	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	258332	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	395691	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	363617	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	208751	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	113513	51.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.76%			
46) surr1,1,2-dichloroetha...	5.793	65	145335	50.72	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.44%			
64) SURR3,Toluene-d8	8.317	98	457003	51.19	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.38%			
69) SURR2,BFB	10.884	95	170299	51.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	111549	40.06	ug/L	100
3) Chloromethane	1.288	50	170334	55.51	ug/L	96
4) Vinyl Chloride	1.361	62	163822	49.87	ug/L	100
5) Bromomethane	1.587	94	148855	36.68	ug/L	97
6) Chloroethane	1.666	64	105009	47.78	ug/L	96
7) Freon 21	1.818	67	263956	44.60	ug/L	97
8) Trichlorofluoromethane	1.867	101	148872	39.03	ug/L	99
9) Diethyl Ether	2.099	59	103886	47.03	ug/L	95
10) Freon 123a	2.105	67	136239	48.04	ug/L	88
11) Freon 123	2.154	83	148636	47.11	ug/L	96
12) Acrolein	2.196	56	57141	106.35	ug/L	95
13) 1,1-Diclethene	2.294	96	87534	41.41	ug/L	99
14) Freon 113	2.294	101	82326	40.95	ug/L	97
15) Acetone	2.337	43	54071	45.20	ug/L	88
16) 2-Propanol	2.465	45	256879	1010.73	ug/L	97
17) Iodomethane	2.422	142	126202	43.13	ug/L	95
18) Carbon Disulfide	2.483	76	265533	54.39	ug/L	99
19) Acetonitrile	2.587	41	111999	249.27	ug/L	98
20) Allyl Chloride	2.623	76	52316	42.94	ug/L	94
21) Methyl Acetate	2.648	43	161767	55.88	ug/L	98
22) Methylene Chloride	2.739	84	114681	43.87	ug/L	95
23) TBA	2.873	59	416985	1039.29	ug/L	98
24) Acrylonitrile	2.995	53	311355	247.91	ug/L	99
25) Methyl-t-Butyl Ether	3.044	73	389159	47.02	ug/L	98
26) trans-1,2-Dichloroethene	3.038	96	100860	43.26	ug/L	97
27) 1,1-Diclethane	3.538	63	194679	45.56	ug/L	96
28) Vinyl Acetate	3.635	86	14847	29.57	ug/L #	72
29) DIPE	3.666	45	400821	50.63	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.666	53	164839	50.22	ug/L	100
31) ETBE	4.196	59	341972	46.15	ug/L	99
32) 2,2-Dichloropropane	4.373	77	150838	45.64	ug/L	96
33) cis-1,2-Dichloroethene	4.385	96	120266	45.18	ug/L	100
34) 2-Butanone	4.422	43	87531	50.29	ug/L	94
35) Propionitrile	4.507	54	128902	249.11	ug/L	99
36) Bromochloromethane	4.781	130	76840	44.68	ug/L	98
37) Methacrylonitrile	4.781	67	66333	50.85	ug/L	86
38) Tetrahydrofuran	4.873	42	54232	50.07	ug/L	95
39) Chloroform	4.964	83	194476	45.25	ug/L	98
40) 1,1,1-Trichloroethane	5.263	97	148453	43.59	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Cyclohexane	5.354	41	115385	48.49 ug/L	91
44) Carbontetrachloride	5.543	117	112502	40.57 ug/L	97
45) 1,1-Dichloropropene	5.556	75	127797	43.22 ug/L	94
47) Benzene	5.873	78	427532	46.00 ug/L	96
48) 1,2-Dichloroethane	5.915	62	174269	48.29 ug/L	97
49) Iso-Butyl Alcohol	5.891	43	175348	1094.36 ug/L	93
50) TAME	6.110	73	368059	51.11 ug/L	99
51) n-Heptane	6.366	43	110040	41.62 ug/L	96
52) 1-Butanol	6.860	56	254438	2795.09 ug/L	97
53) Trichloroethene	6.824	130	103723	45.09 ug/L	99
54) Methylcyclohexane	7.067	55	136418	49.93 ug/L	100
55) 1,2-Diclpropane	7.110	63	117388	45.77 ug/L	97
56) Dibromomethane	7.250	93	82247	48.92 ug/L	94
57) 1,4-Dioxane	7.311	88	47874	1068.23 ug/L	85
58) Methyl Methacrylate	7.336	69	110349	52.76 ug/L	96
59) Bromodichloromethane	7.476	83	151702	50.39 ug/L	95
60) 2-Nitropropane	7.762	41	83823	110.51 ug/L	88
61) 2-Chloroethylvinyl Ether	7.884	63	88268	52.49 ug/L	95
62) cis-1,3-Dichloropropene	8.025	75	184041	49.47 ug/L	95
63) 4-Methyl-2-pentanone	8.226	43	171646	53.89 ug/L	99
65) Toluene	8.396	91	462957	46.27 ug/L	97
66) trans-1,3-Dichloropropene	8.665	75	171544	51.17 ug/L	98
67) Ethyl Methacrylate	8.805	69	167723	47.36 ug/L	98
68) 1,1,2-Trichloroethane	8.848	97	117564	51.24 ug/L	96
71) Tetrachloroethene	8.988	164	73635	44.56 ug/L	90
72) 2-Hexanone	9.140	43	125381	55.48 ug/L	98
73) 1,3-Dichloropropane	9.018	76	192071	49.23 ug/L	97
74) Dibromochloromethane	9.244	129	110726	51.36 ug/L	97
75) N-Butyl Acetate	9.299	43	254815	53.34 ug/L	98
76) 1,2-Dibromoethane	9.341	107	120655	52.57 ug/L	96
77) 3-Chlorobenzotrifluoride	9.853	180	134593	44.35 ug/L	89
78) Chlorobenzene	9.835	112	293554	47.10 ug/L	98
79) 4-Chlorobenzotrifluoride	9.908	180	125141	46.01 ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.927	131	104955	49.85 ug/L	90
81) Ethylbenzene	9.957	106	152781	46.35 ug/L	99
82) (m+p)Xylene	10.073	106	388220	99.00 ug/L	93
83) o-Xylene	10.427	106	198269	49.74 ug/L	91
84) Styrene	10.439	104	343916	49.11 ug/L	98
85) Bromoform	10.591	173	75579	52.25 ug/L	99
86) 2-Chlorobenzotrifluoride	10.670	180	140943	46.61 ug/L	99
87) Isopropylbenzene	10.762	105	456755	48.52 ug/L	98
88) Cyclohexanone	10.823	55	556537	1186.02 ug/L	96
89) trans-1,4-Dichloro-2-B...	11.067	53	42243	52.60 ug/L	94
91) 1,1,2,2-Tetrachloroethane	11.018	83	193126	52.98 ug/L	97
92) Bromobenzene	11.006	156	134554	47.31 ug/L	100
93) 1,2,3-Trichloropropane	11.048	110	53959	46.78 ug/L	95
94) n-Propylbenzene	11.115	91	590195	46.54 ug/L	99
95) 2-Chlorotoluene	11.182	91	353994	44.39 ug/L	98
96) 3-Chlorotoluene	11.231	91	387729	49.13 ug/L	99
97) 4-Chlorotoluene	11.274	91	424376	47.91 ug/L	99
98) 1,3,5-Trimethylbenzene	11.268	105	440574	47.55 ug/L	98
99) tert-Butylbenzene	11.542	119	350789	45.24 ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	440860	47.67 ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.640	214	112304	44.28 ug/L	92
102) sec-Butylbenzene	11.725	105	519240	47.02 ug/L	98
103) p-Isopropyltoluene	11.847	119	445921	47.55 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

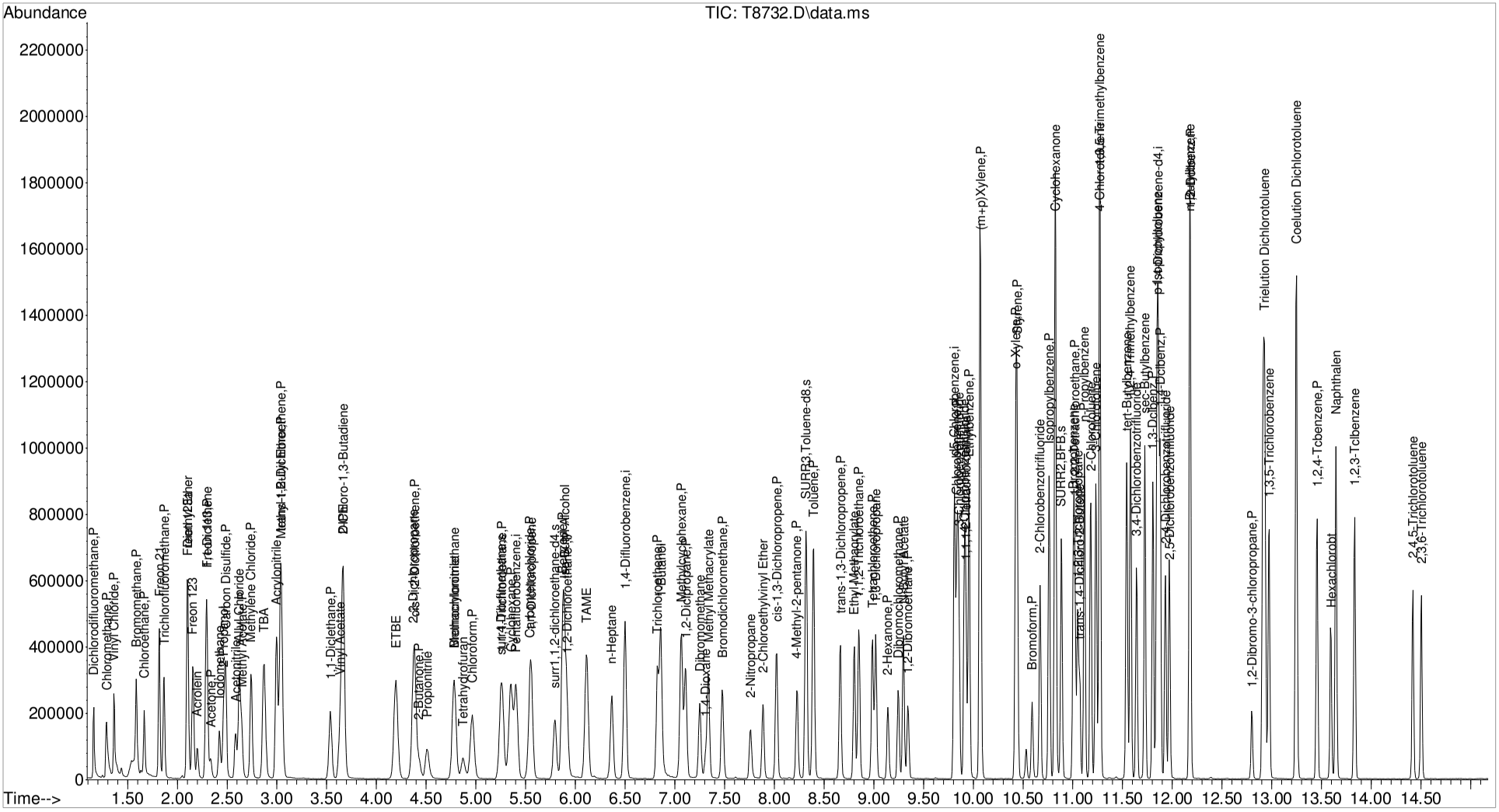
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	260603	48.13	ug/L	98
105) 1,4-Dclbenz	11.877	146	268638	44.96	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	103507	46.18	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.975	214	119467	46.66	ug/L	97
108) n-Butylbenzene	12.176	91	417126	46.60	ug/L	99
109) 1,2-Dclbenz	12.182	146	269263	49.39	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.804	157	36215	54.36	ug/L	93
111) Trielution Dichlorotol...	12.926	125	623646	148.40	ug/L	95
112) 1,3,5-Trichlorobenzene	12.975	180	167908	46.74	ug/L	97
113) Coelution Dichlorotoluene	13.249	125	454475	98.08	ug/L	99
114) 1,2,4-Tcbenzene	13.456	180	168257	51.13	ug/L	95
115) Hexachlorobt	13.597	225	58803	52.08	ug/L	95
116) Naphthalen	13.645	128	555711	54.65	ug/L	98
117) 1,2,3-Tclbenzene	13.834	180	163826	47.82	ug/L	92
118) 2,4,5-Trichlorotoluene	14.420	159	108904	53.63	ug/L	100
119) 2,3,6-Trichlorotoluene	14.505	159	95341	51.46	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



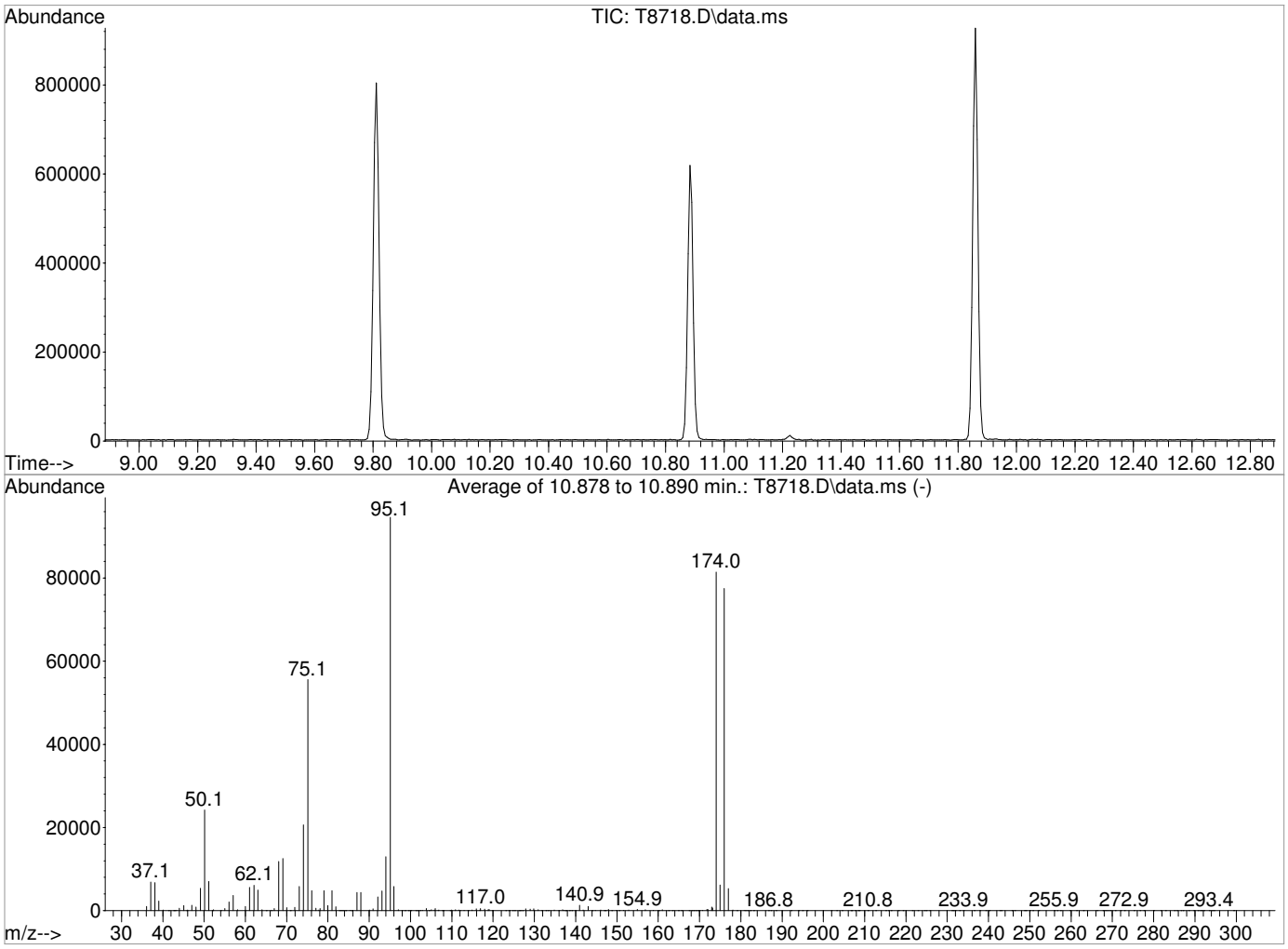
1st FJ 09/08/21
2nd 09/08/21

1st FW 09/08/21
2nd WR 09/08/21

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8718.D
Acq On : 2 Sep 2021 10:04 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 02 10:23:40 2021



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	24211	PASS
75	95	30	60	58.7	55552	PASS
95	95	100	100	100.0	94624	PASS
96	95	5	9	6.1	5772	PASS
173	174	0.00	2	1.1	884	PASS
174	95	50	120	86.1	81432	PASS
175	174	5	9	7.5	6140	PASS
176	174	95	101	95.2	77528	PASS
177	176	5	9	6.8	5300	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8719.D
Acq On : 2 Sep 2021 10:45 am
Operator : F.NAEGLER
Sample : ICALBLK Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 08 10:39:34 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

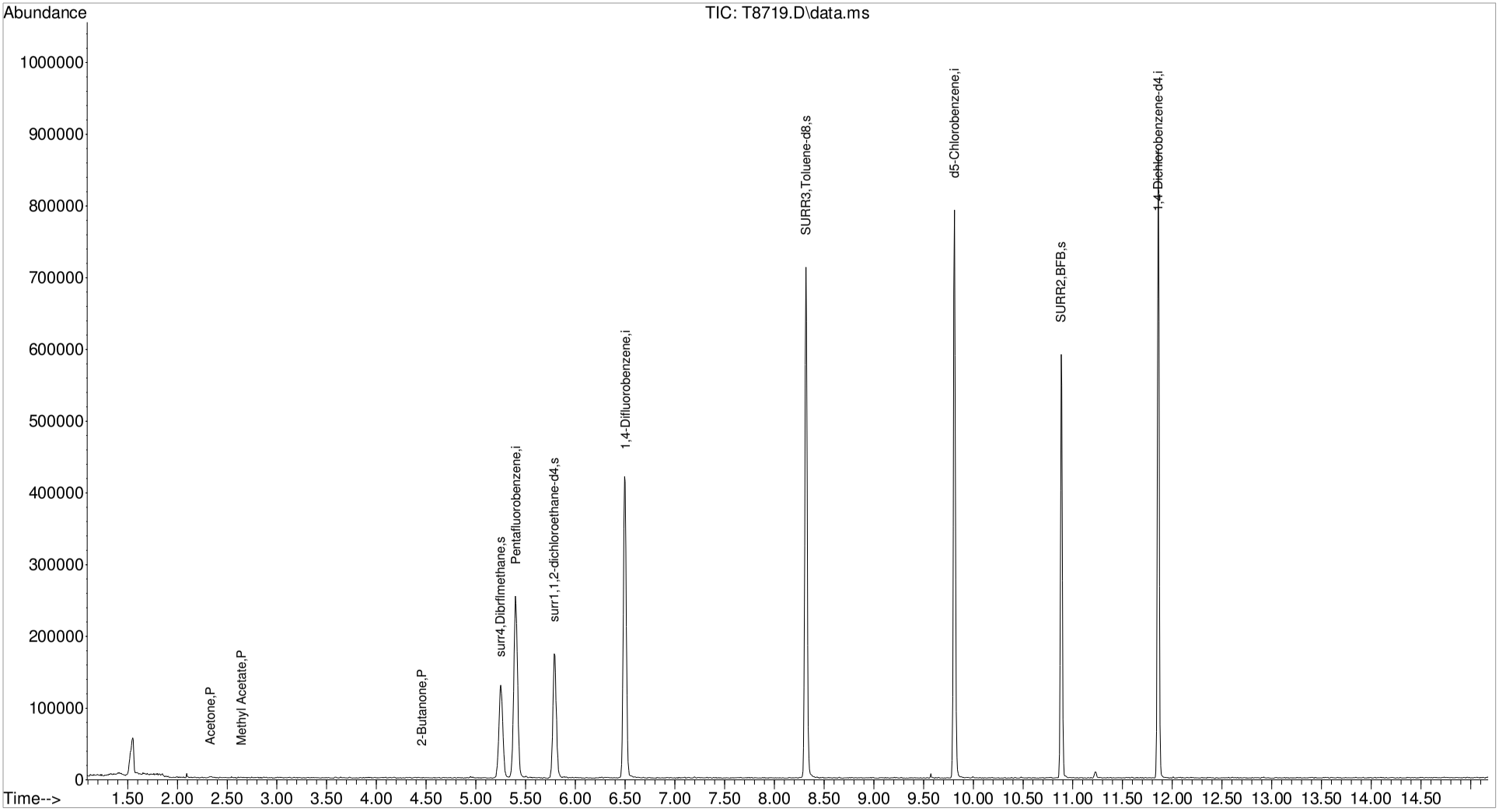
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	232470	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	362610	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	336276	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	159833	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	105266	52.00	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.00%			
46) surr1,1,2-dichloroetha...	5.787	65	135904	51.75	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.50%			
64) SURR3,Toluene-d8	8.317	98	423169	51.73	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.46%			
69) SURR2,BFB	10.884	95	140888	46.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.80%			
Target Compounds						Qvalue
15) Acetone	2.331	43	1387	1.29	ug/L	69
21) Methyl Acetate	2.641	43	547	0.21	ug/L #	57
34) 2-Butanone	4.452	43	921	0.59	ug/L #	58

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

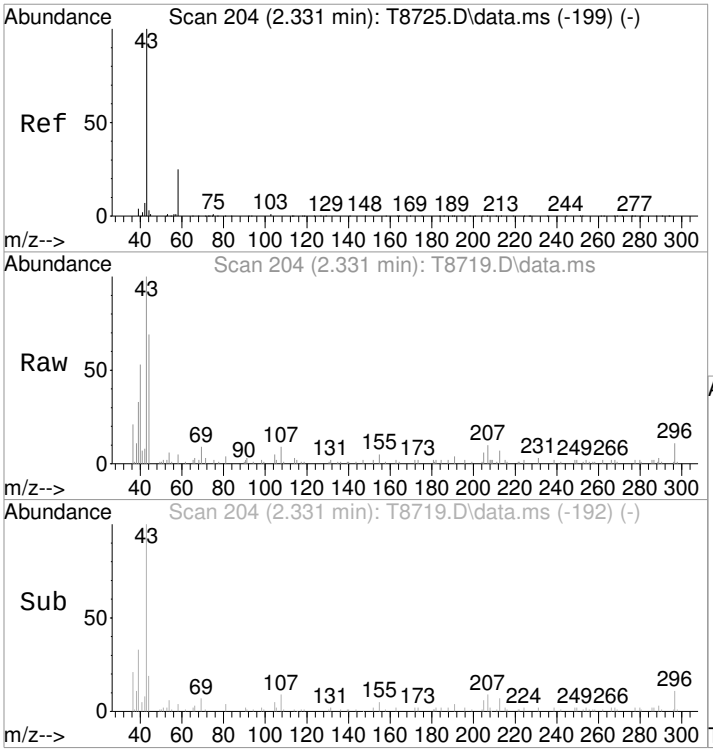
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8719.D
Acq On : 2 Sep 2021 10:45 am
Operator : F.NAEGLER
Sample : ICALBLK Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 08 10:39:34 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



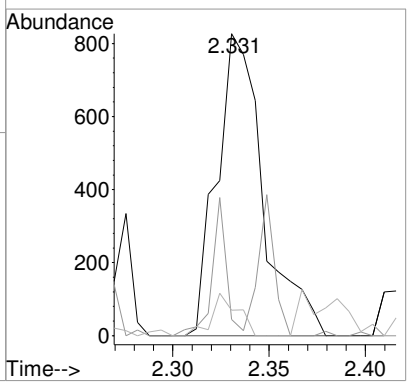
1st FN 09/08/21
2nd 09/08/21

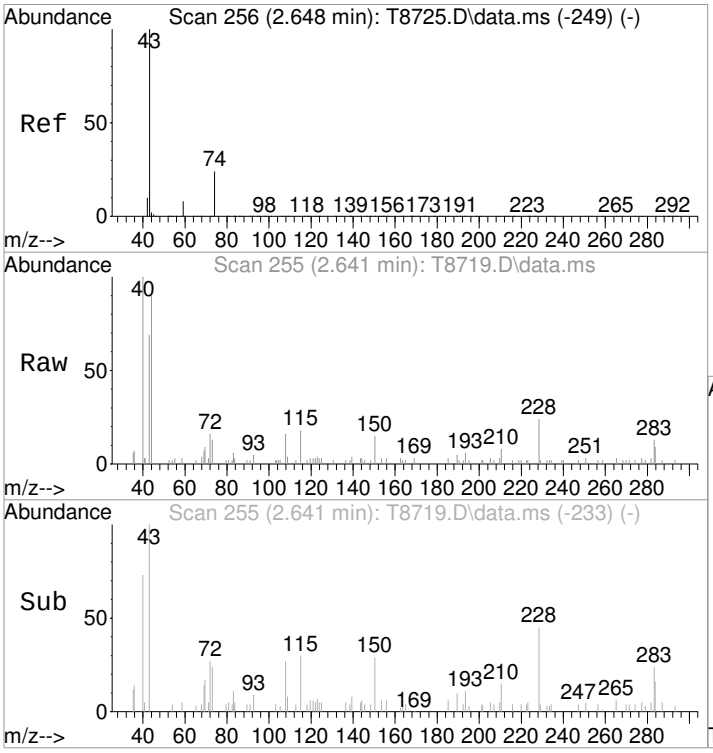


#15
Acetone
Concen: 1.29 ug/L
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: T8719.D
Acq: 2 Sep 2021 10:45 am

Tgt Ion: 43 Resp: 1387

Ion	Ratio	Lower	Upper
43	100		
58	5.3	4.9	44.9
42	8.5	0.0	27.1

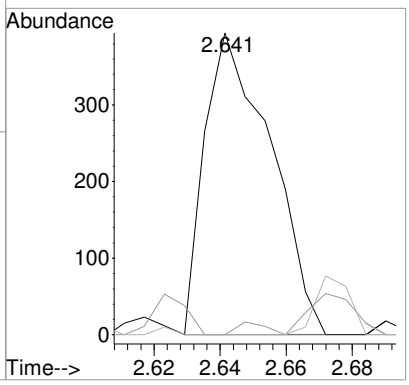


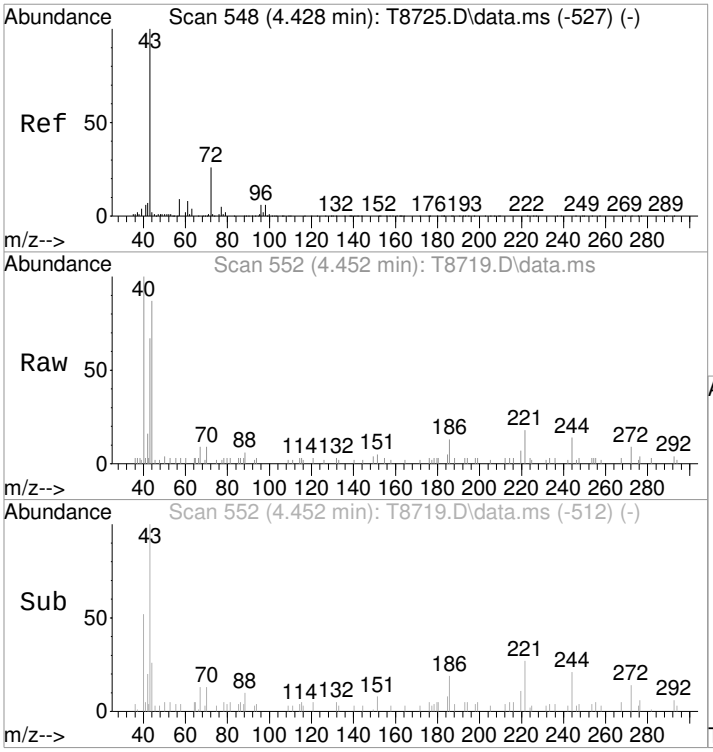


#21
Methyl Acetate
Concen: 0.21 ug/L
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T8719.D
Acq: 2 Sep 2021 10:45 am

Tgt Ion: 43 Resp: 547

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	0.0	4.4	44.4#

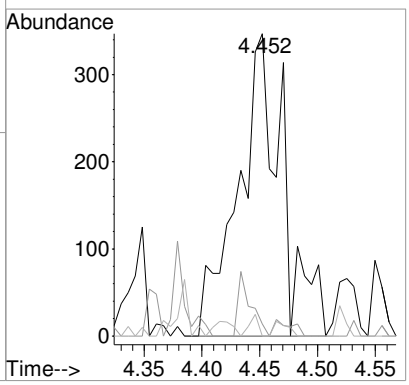




#34
2-Butanone
Concen: 0.59 ug/L
RT: 4.452 min Scan# 552
Delta R.T. 0.024 min
Lab File: T8719.D
Acq: 2 Sep 2021 10:45 am

Tgt Ion: 43 Resp: 921

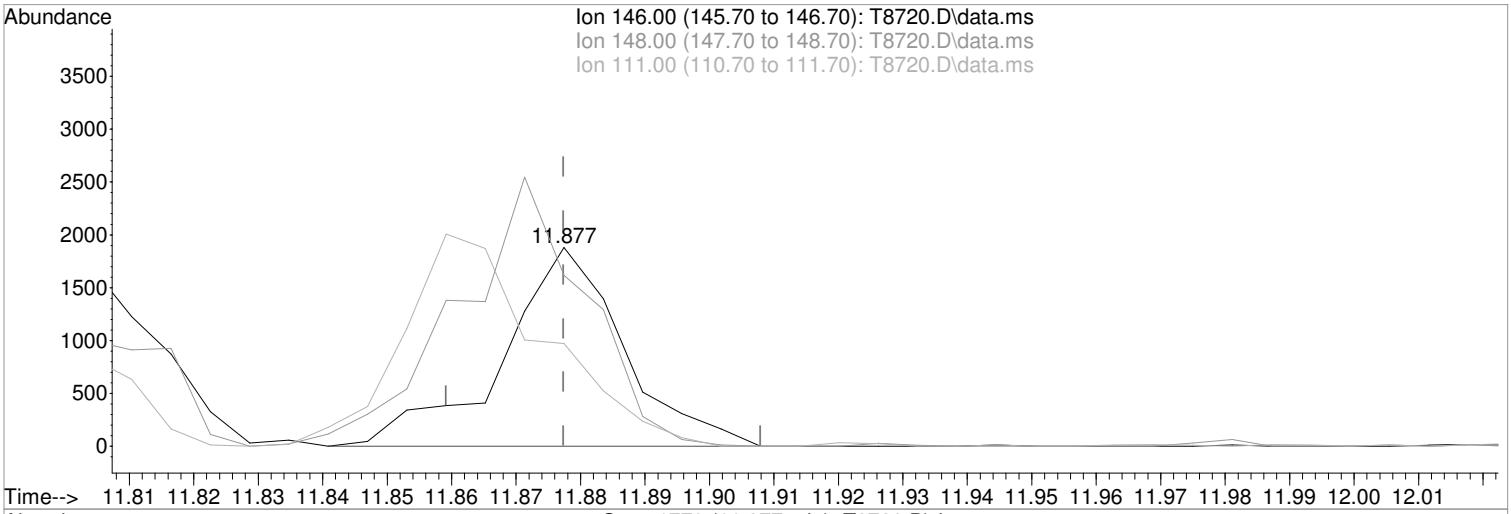
Ion	Ratio	Lower	Upper
43	100		
57	4.0	0.0	28.5
72	0.0	6.2	46.2#

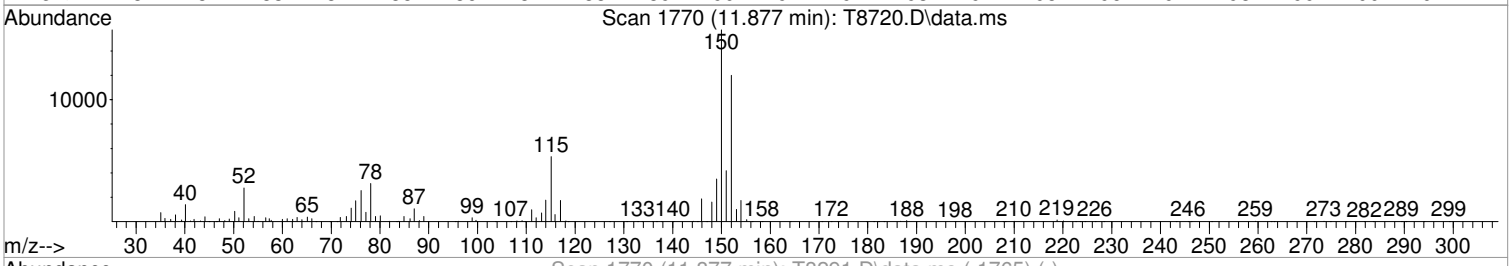


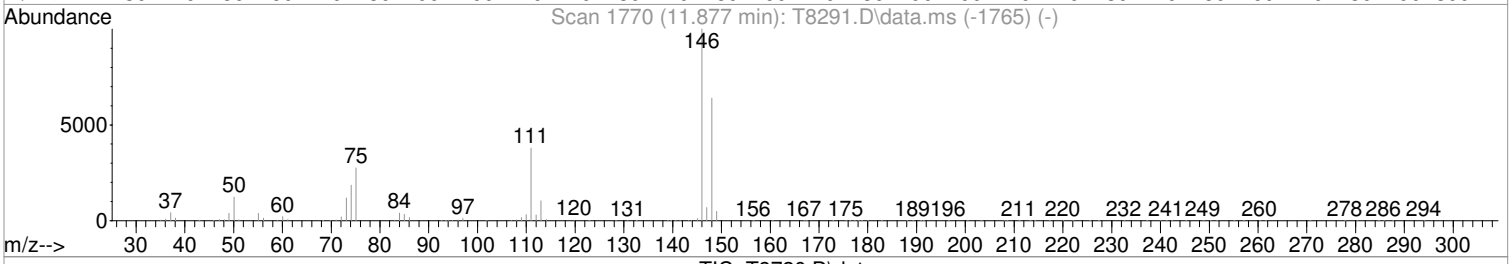
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(105) 1,4-Dclbenz (P)

11.877min (+0.000) 0.51 ug/L m

response 2456

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	86.06#
111.00	38.30	51.73
0.00	0.00	0.00

Manual Integration:

After

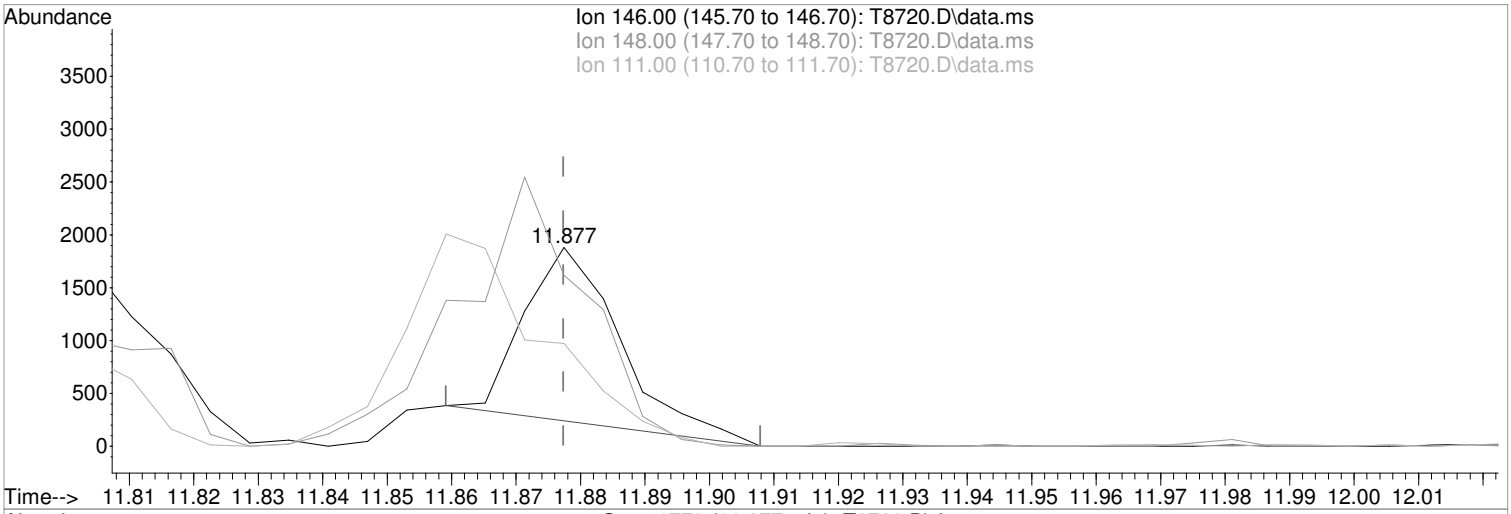
Poor integration.

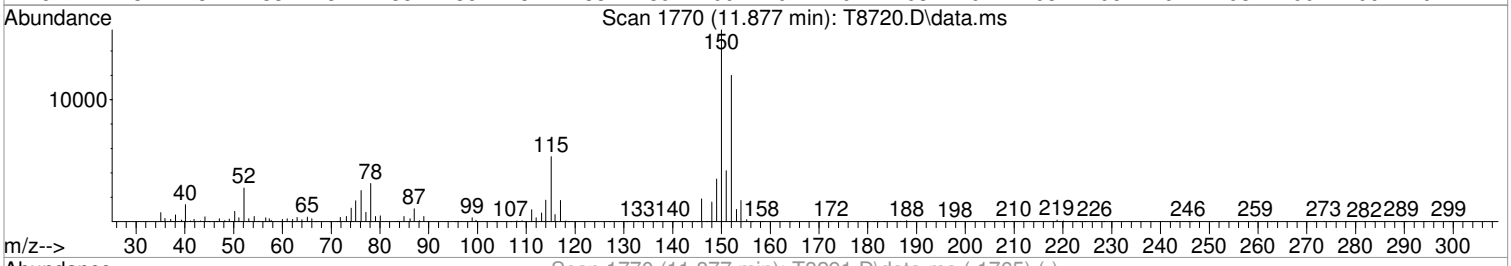
09/08/21

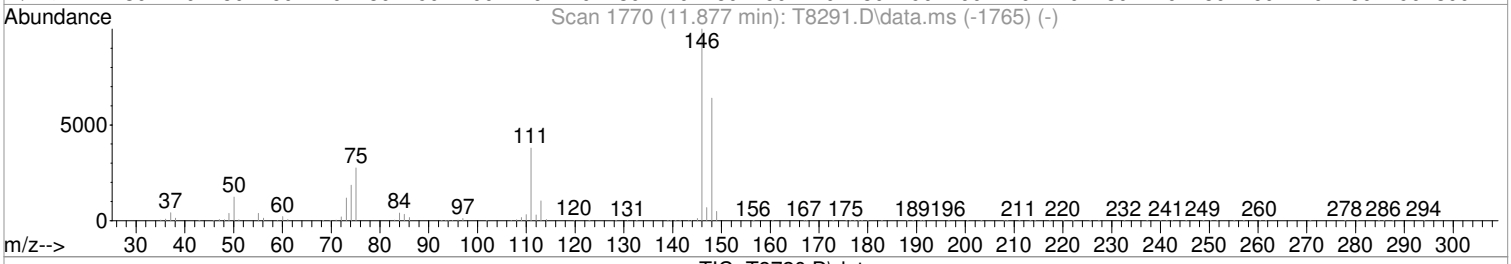
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(105) 1,4-Dclbenz (P)

11.877min (+0.000) 0.33 ug/L

response 1612

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	86.06#
111.00	38.30	51.73
0.00	0.00	0.00

Manual Integration:

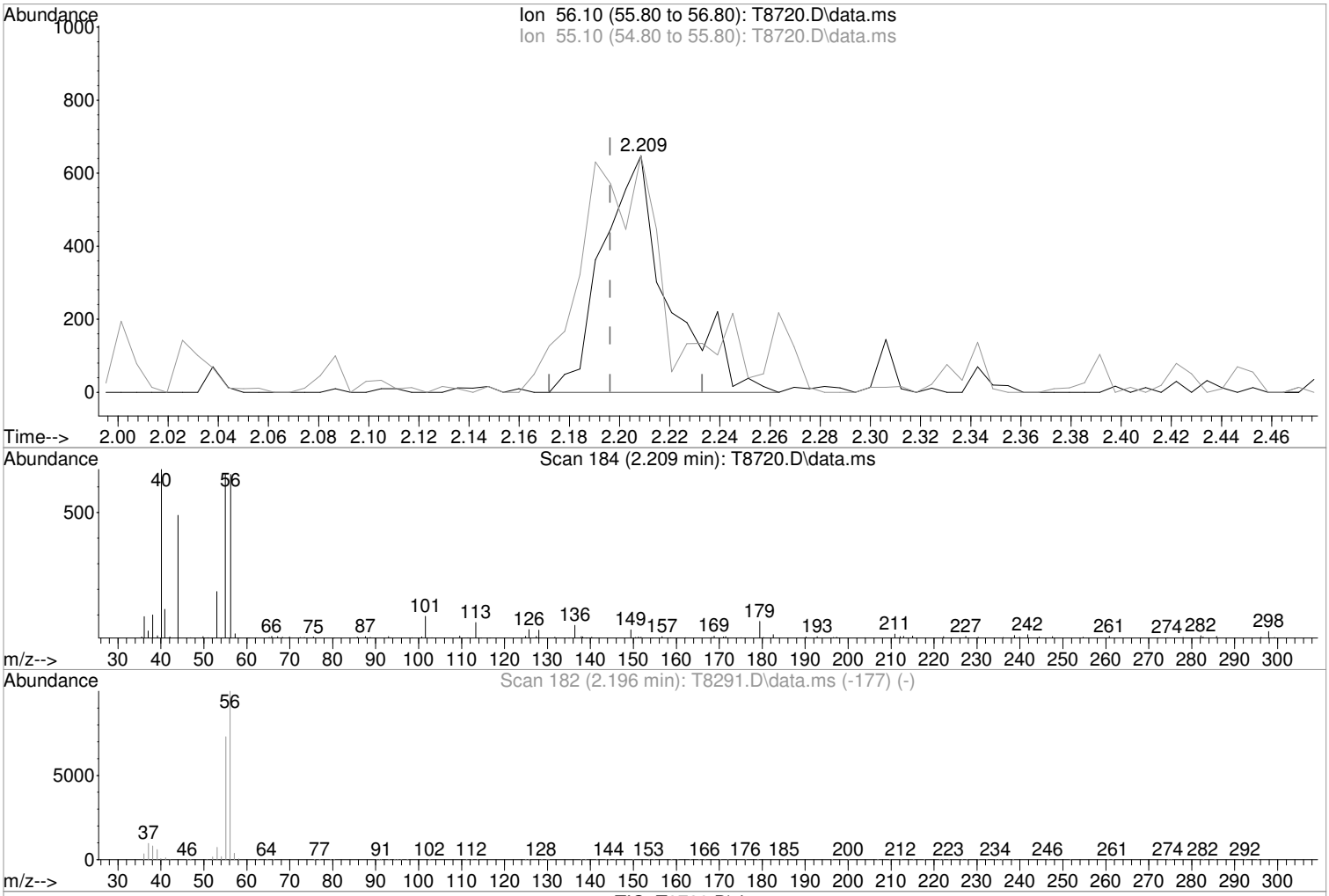
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(12) Acrolein

2.209min (+0.012) 1.54 ug/L m

response 1186

Ion	Exp%	Act%
56.10	100	100
55.10	73.10	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

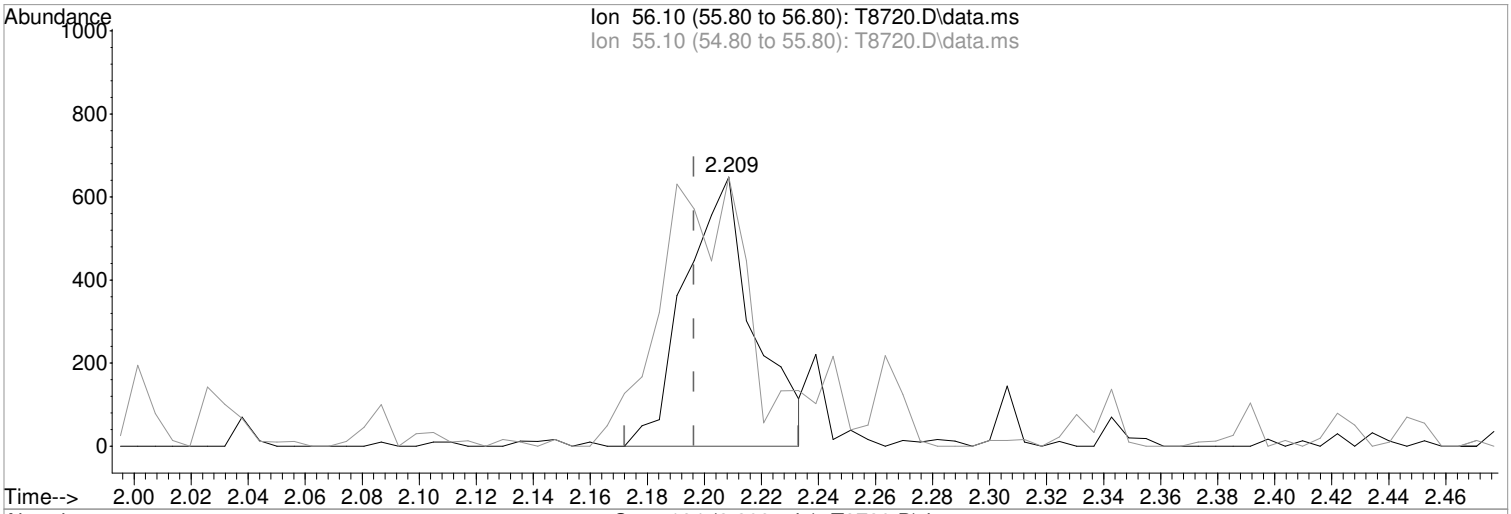
09/08/21

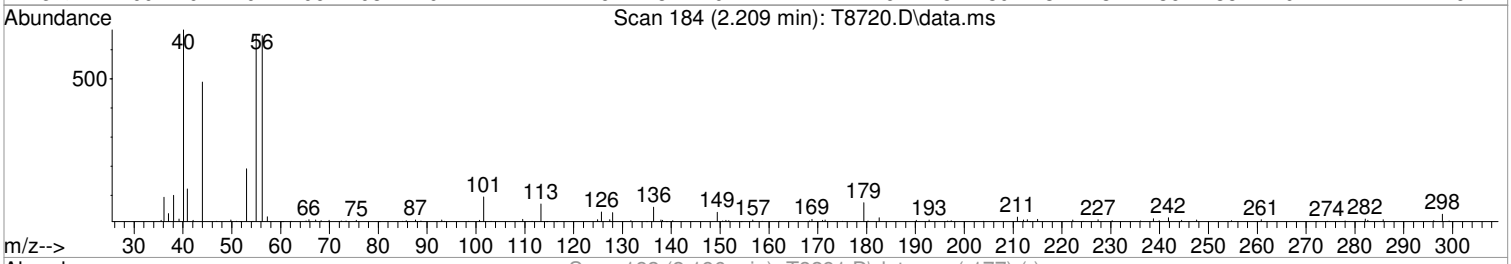
1st FW 09/08/21
2nd 09/08/21

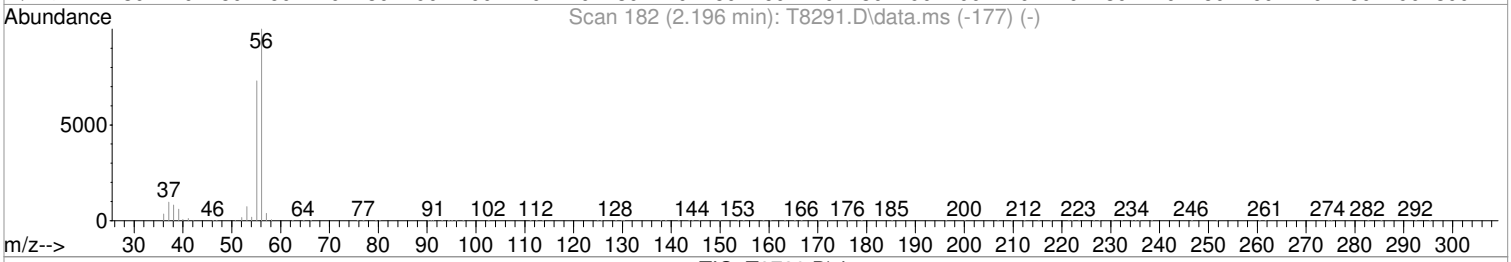
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(12) Acrolein

2.209min (+0.012) 1.40 ug/L

response 1080

Ion	Exp%	Act%
56.10	100	100
55.10	73.10	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

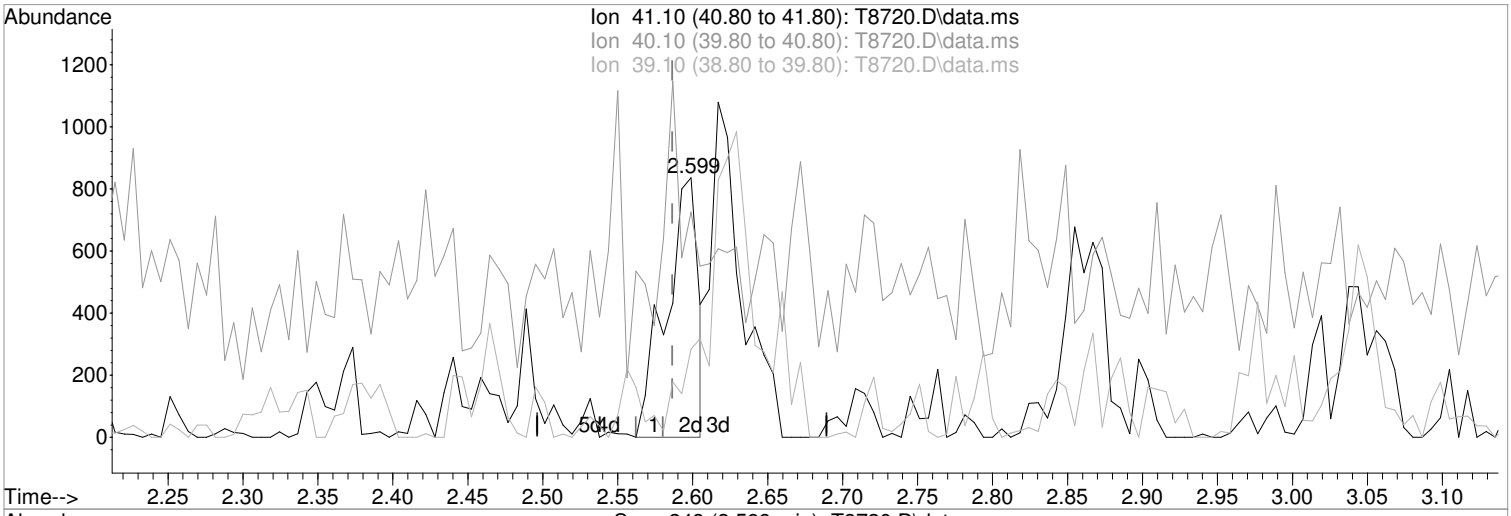
Before

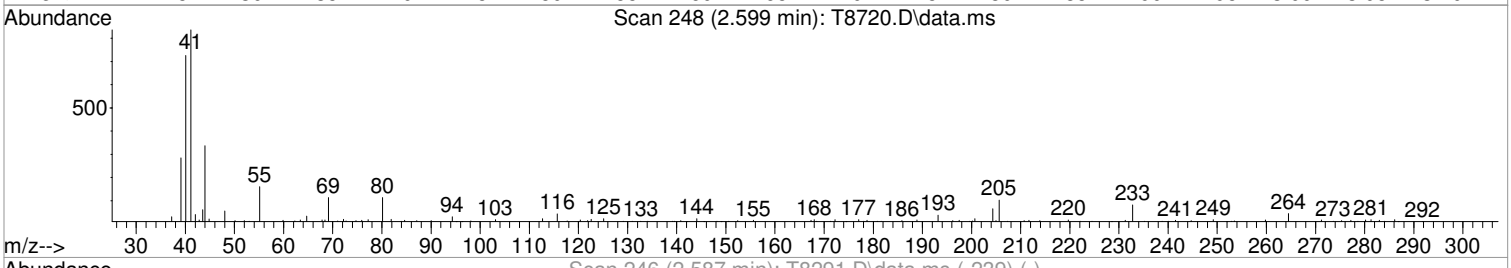
09/08/21

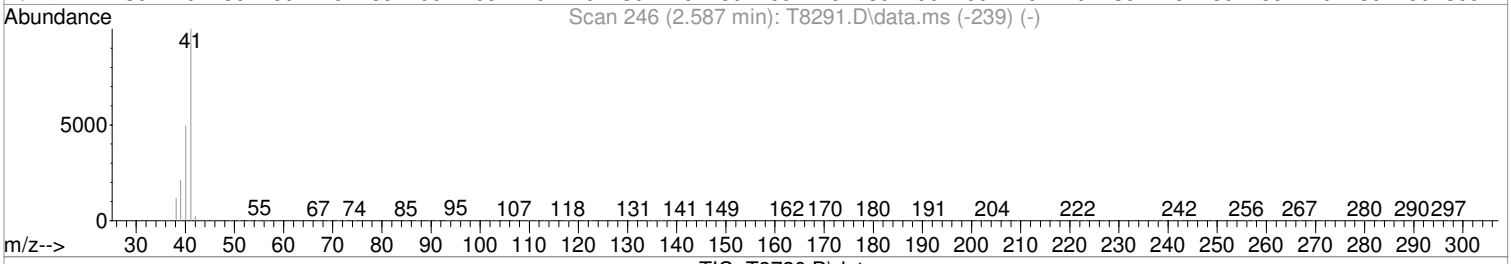
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(19) Acetonitrile

2.599min (+0.012) 2.15 ug/L m

response 1240

Ion	Exp%	Act%
41.10	100	100
40.10	50.60	86.84#
39.10	21.10	33.97
0.00	0.00	0.00

Manual Integration:

After

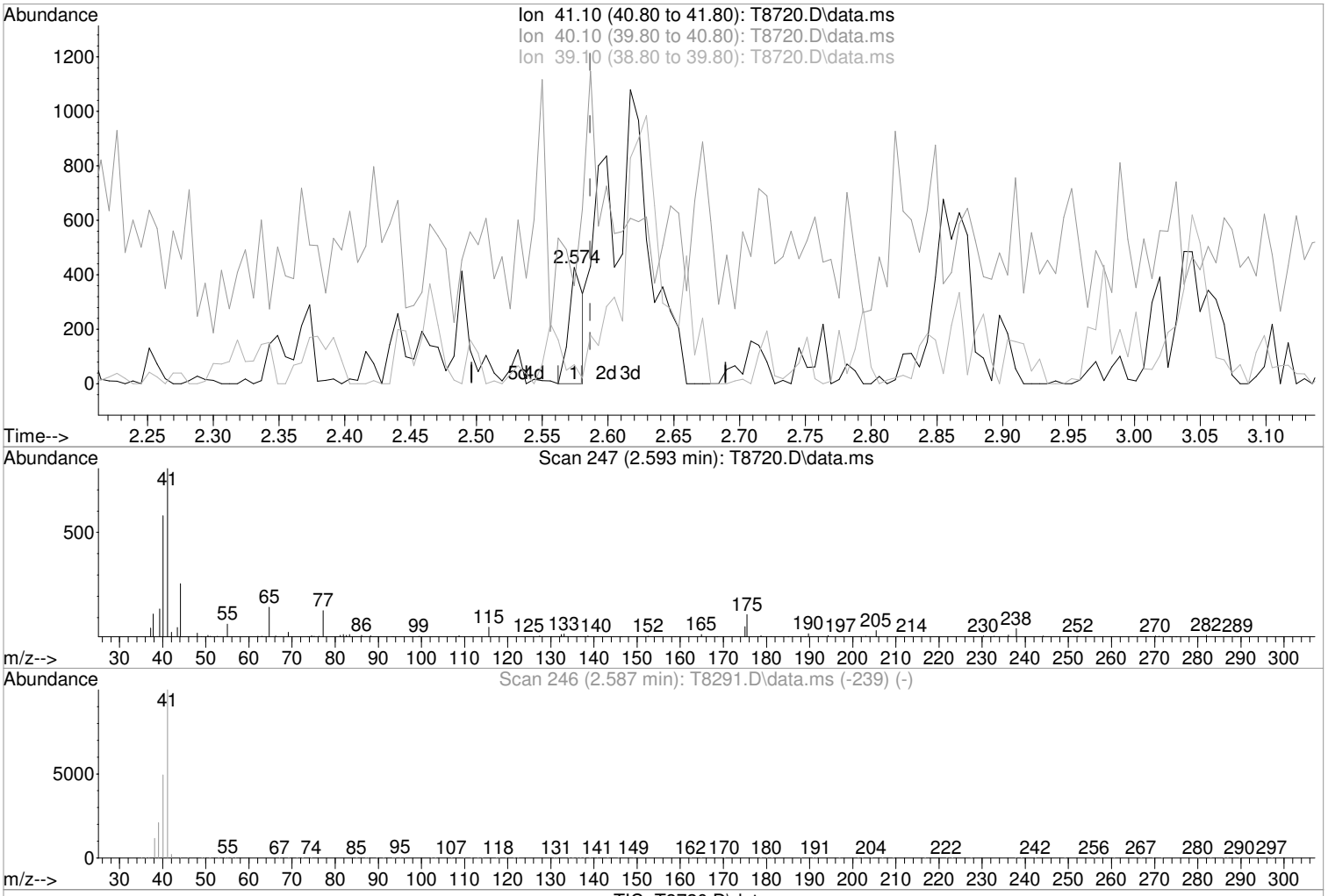
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(19) Acetonitrile

2.574min (-0.012) 0.57 ug/L

response 326

Ion	Exp%	Act%
41.10	100	100
40.10	50.60	84.31#
39.10	21.10	16.39
0.00	0.00	0.00

Manual Integration:

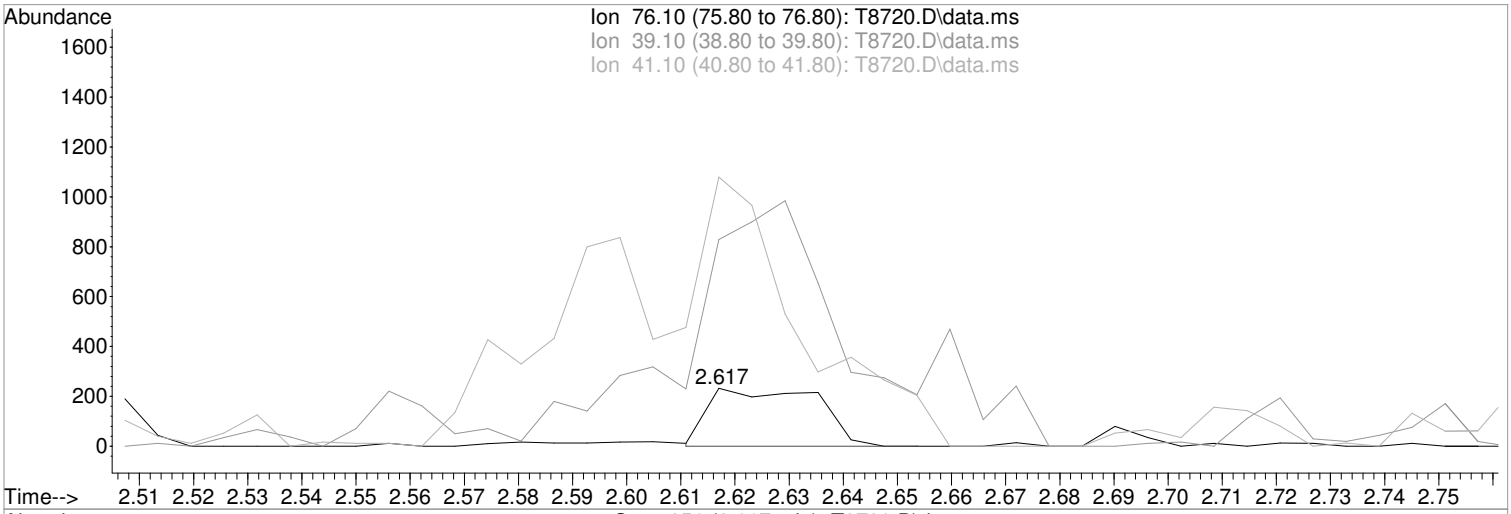
Before

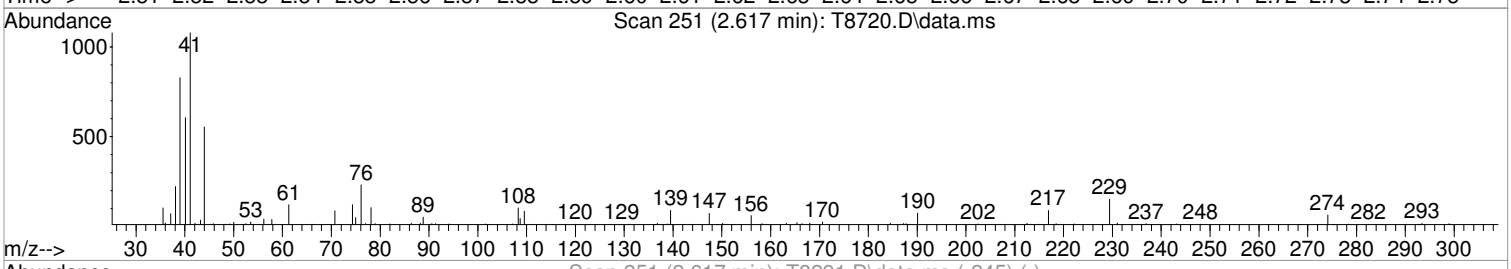
09/08/21

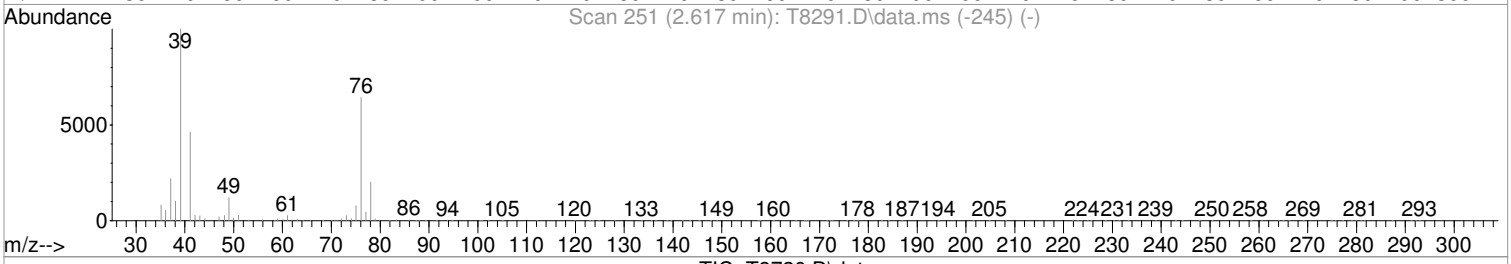
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(20) Allyl Chloride

2.617min (+0.000) 0.24 ug/L m

response 322

Ion	Exp%	Act%
76.10	100	100
39.10	204.00	357.33#
41.10	296.20	465.09#
0.00	0.00	0.00

Manual Integration:

After

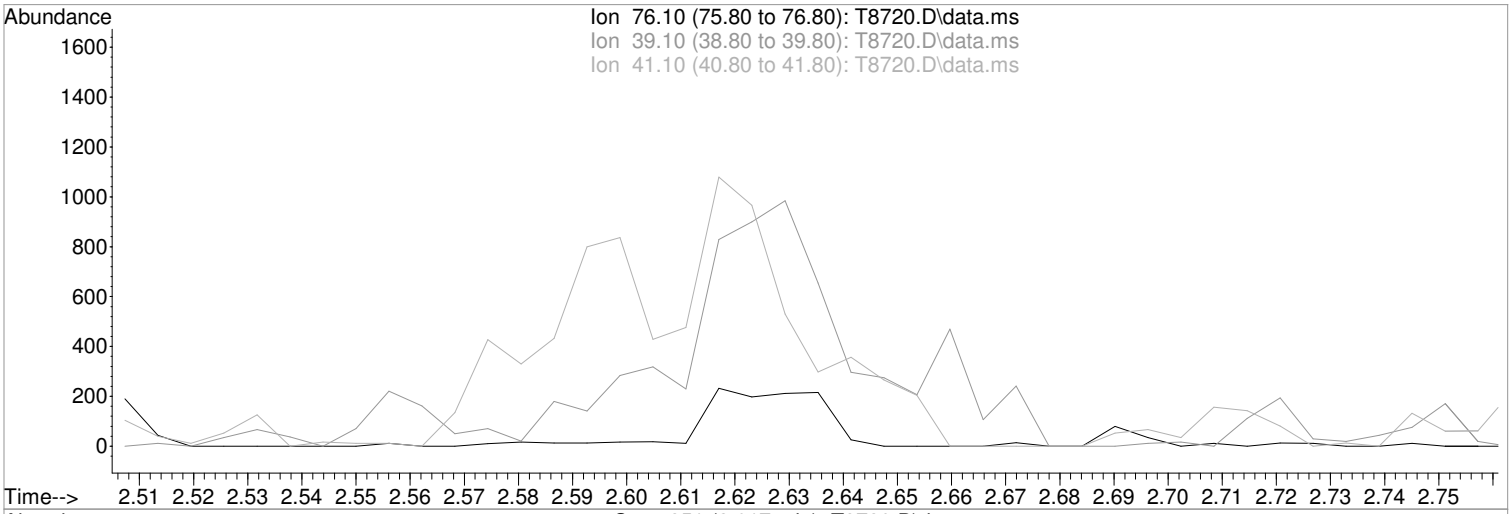
Peak not found.

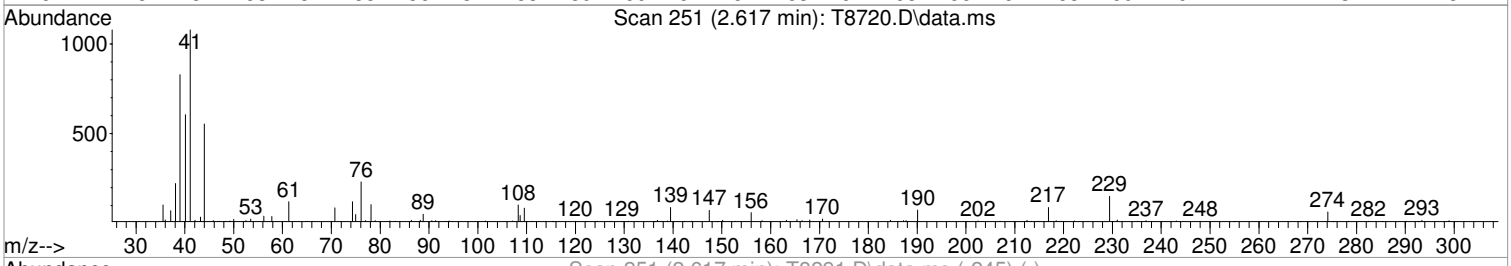
09/08/21

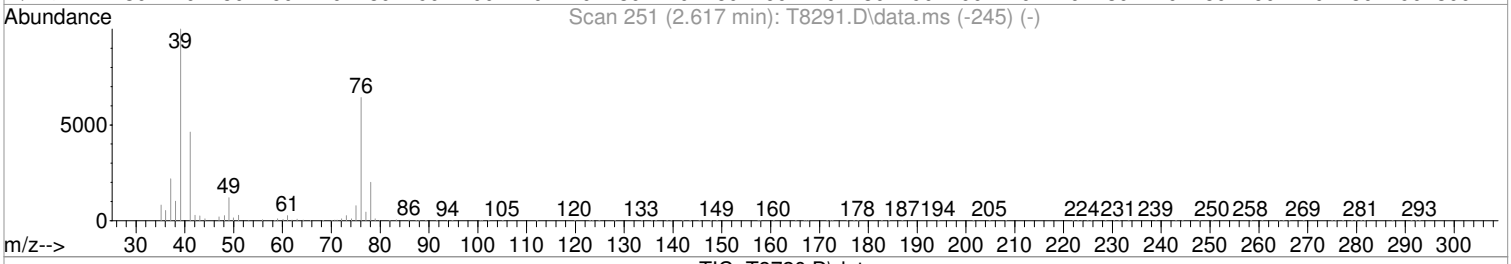
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(20) Allyl Chloride

2.617min (-2.617) 0.00 ug/L

response 0

Ion	Exp%	Act%
76.10	100	0.00
39.10	204.00	0.00#
41.10	296.20	0.00#
0.00	0.00	0.00

Manual Integration:

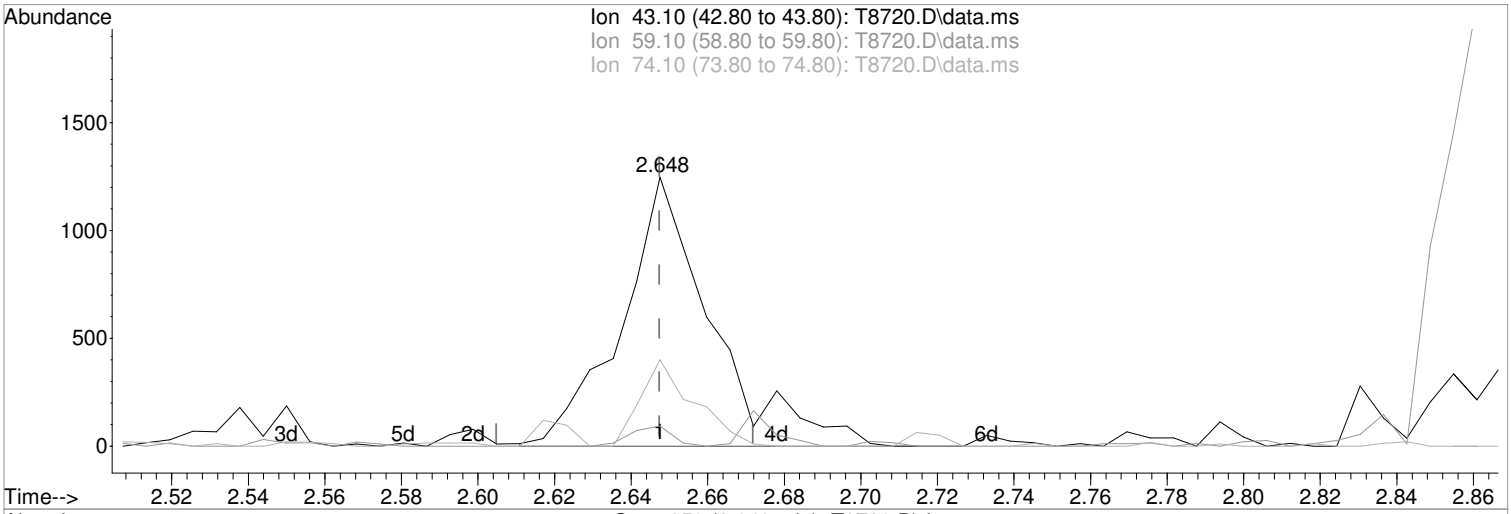
Before

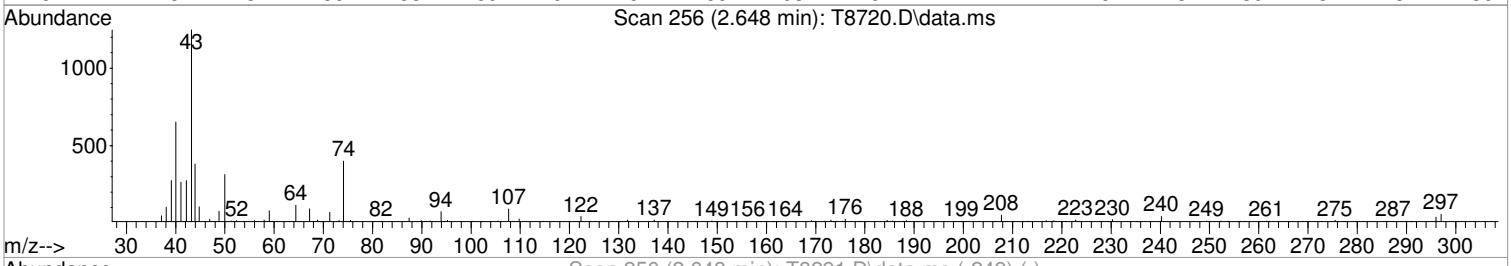
09/08/21

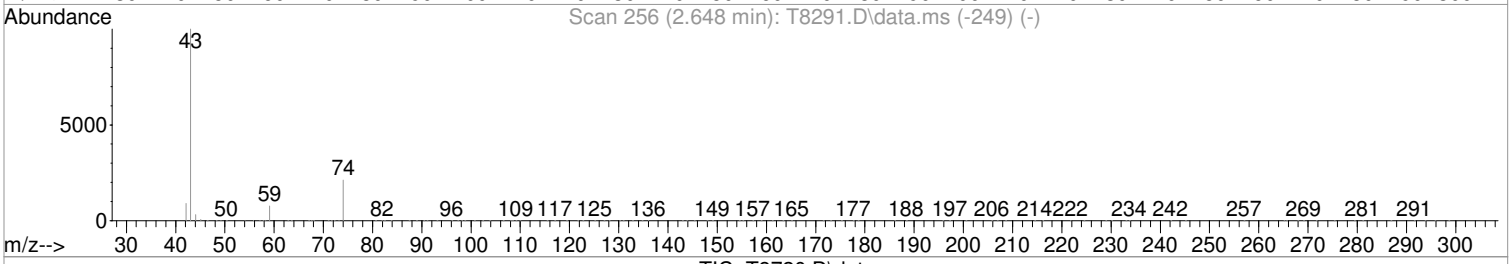
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(21) Methyl Acetate (P)

2.648min (+0.000) 0.65 ug/L m

response 2053

Ion	Exp%	Act%
43.10	100	100
59.10	7.70	6.42
74.10	21.20	32.08
0.00	0.00	0.00

Manual Integration:

After

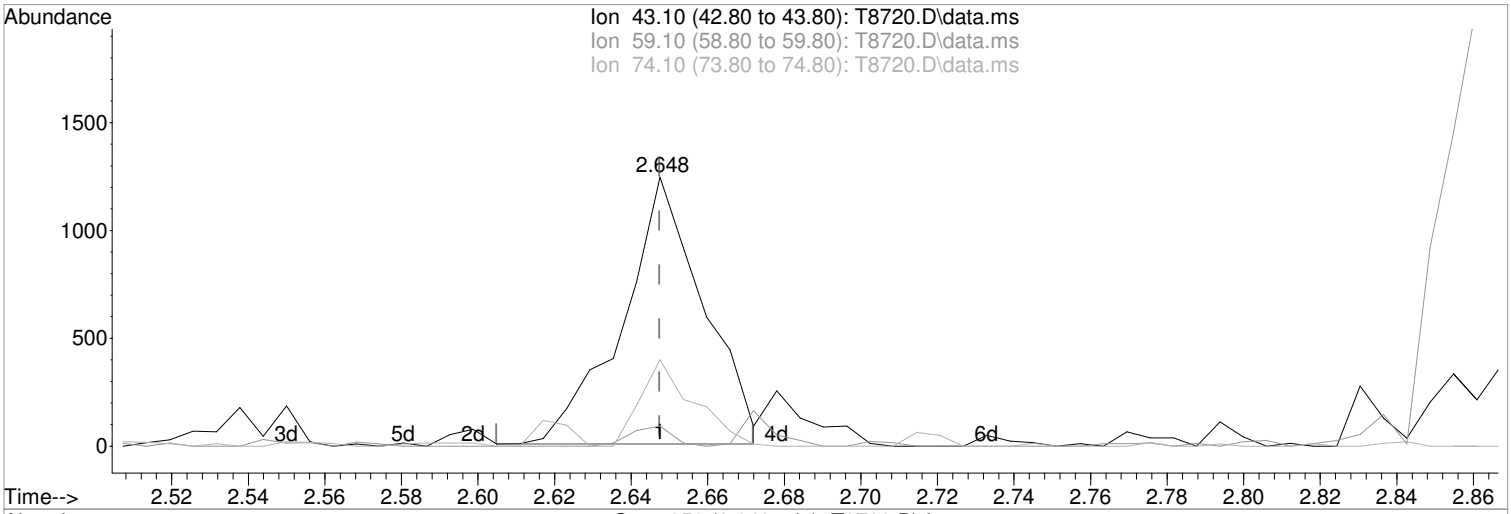
Poor integration.

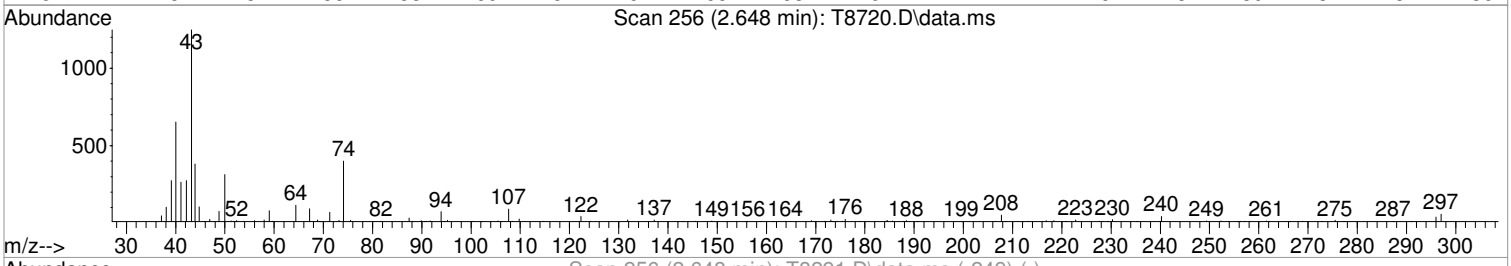
09/08/21

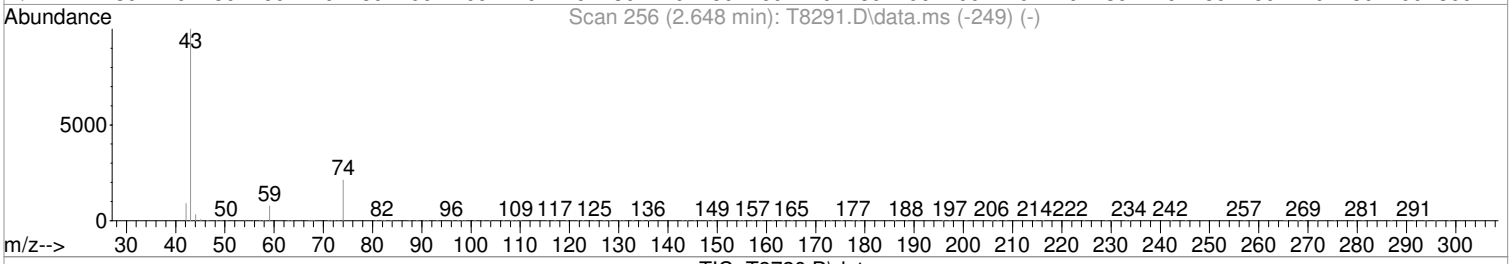
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(21) Methyl Acetate (P)

2.648min (+0.000) 0.57 ug/L

response 1805

Ion	Exp%	Act%
43.10	100	100
59.10	7.70	7.46
74.10	21.20	32.08
0.00	0.00	0.00

Manual Integration:

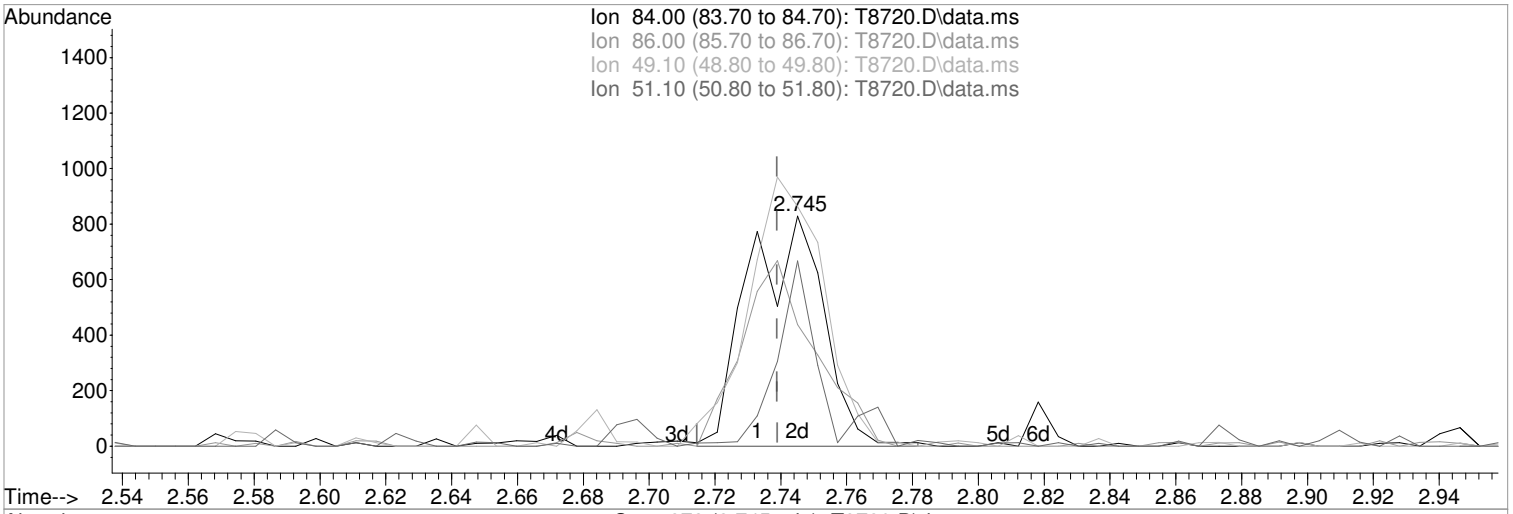
Before

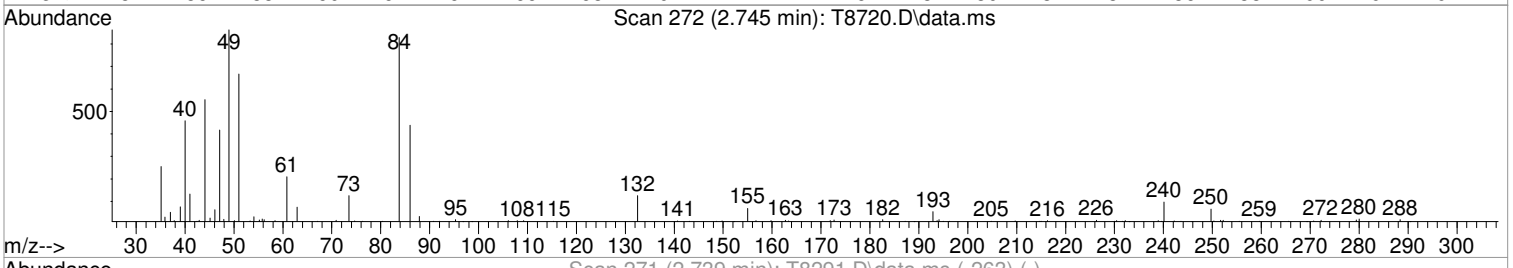
09/08/21

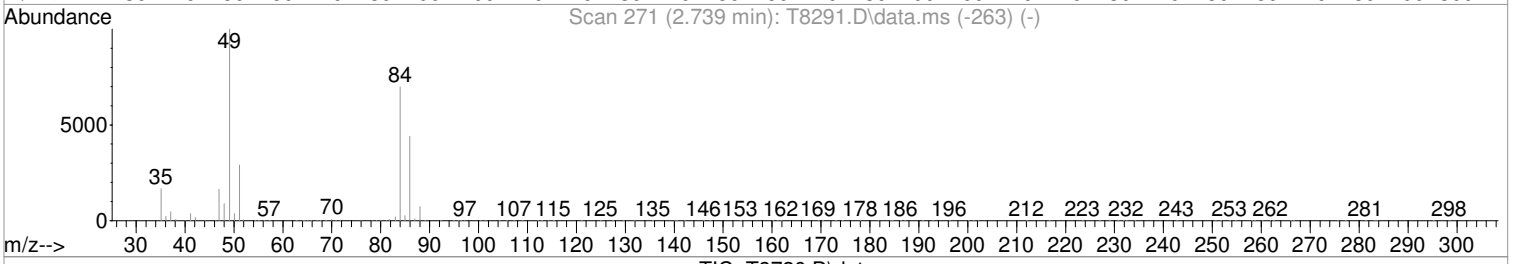
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(22) Methylene Chloride (P)

2.745min (+0.006) 0.50 ug/L m

response 1320

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	52.83
49.10	143.30	104.10#
51.10	41.60	80.46#

Manual Integration:

After

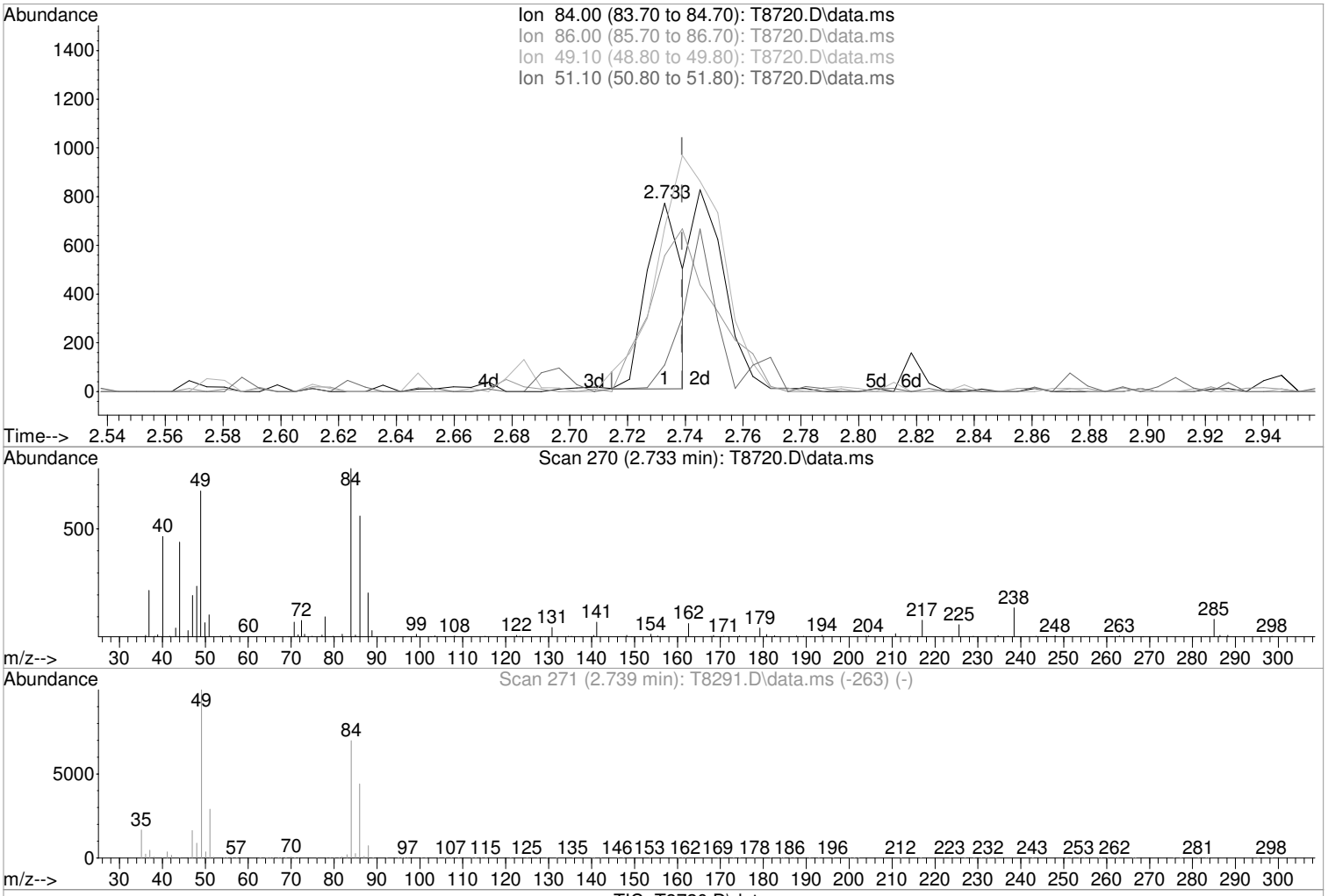
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(22) Methylene Chloride (P)

2.733min (-0.006) 0.25 ug/L

response 653

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	72.09
49.10	143.30	86.82#
51.10	41.60	14.08#

Manual Integration:

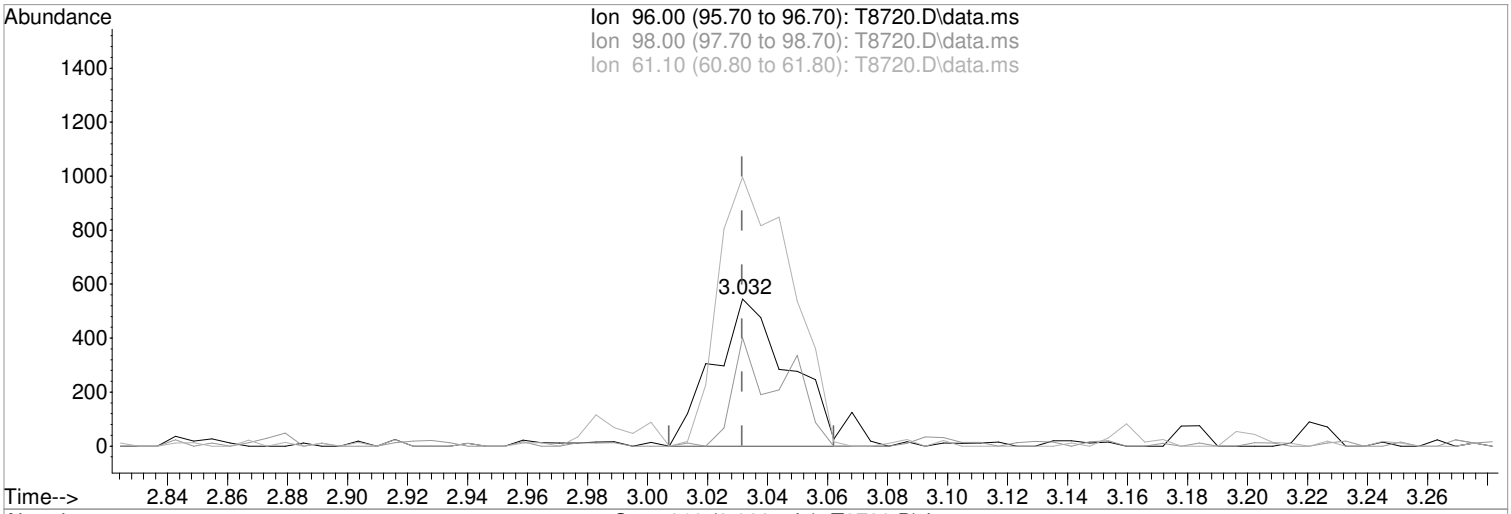
Before

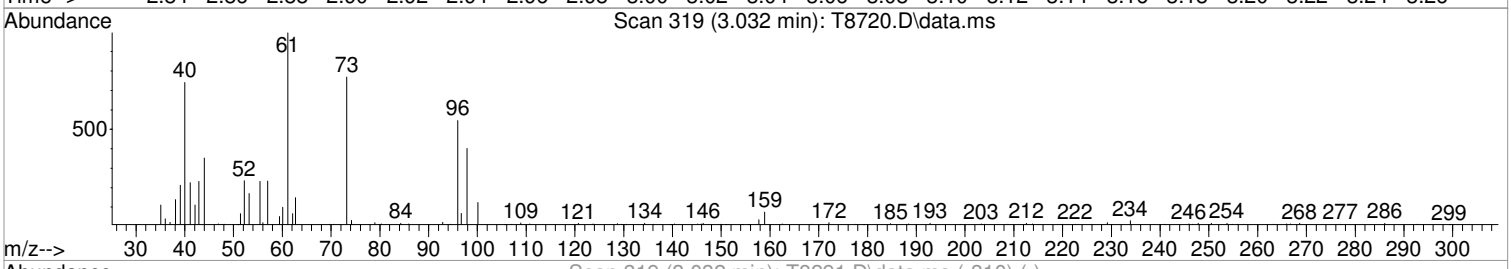
09/08/21

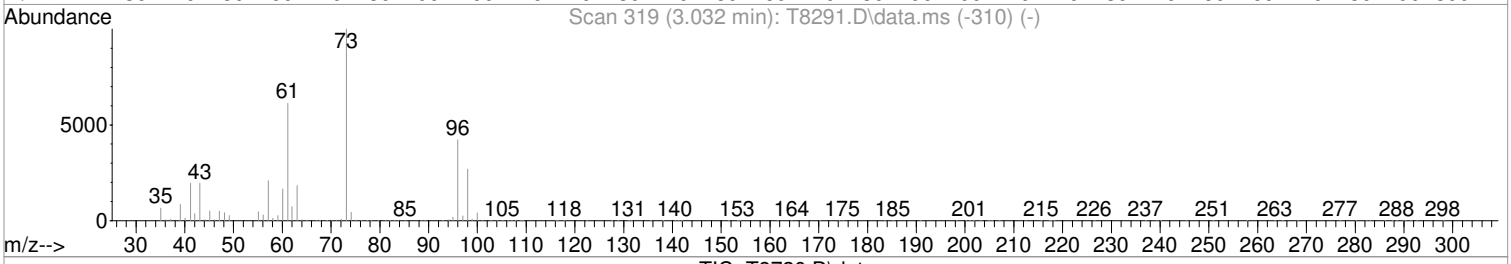
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

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

3.032min (+0.000) 0.44 ug/L m

response 995

Ion	Exp%	Act%
96.00	100	100
98.00	63.50	73.58
61.10	145.20	182.75#
0.00	0.00	0.00

Manual Integration:

After

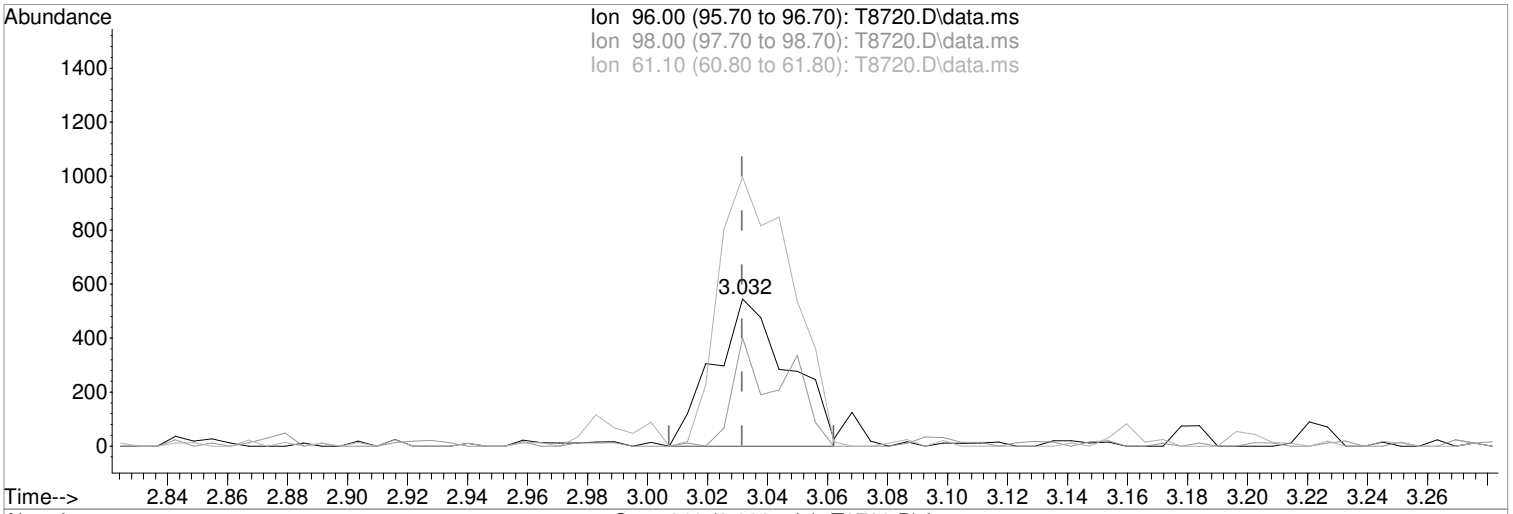
Poor integration.

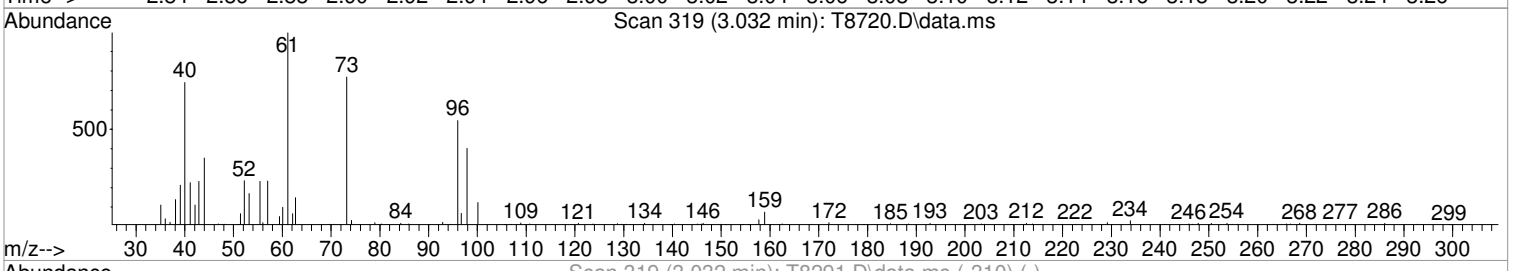
09/08/21

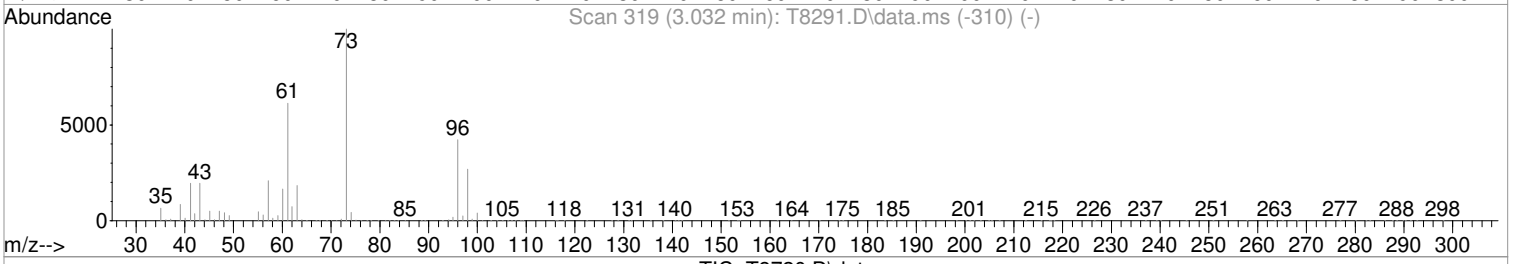
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

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

3.032min (+0.000) 0.42 ug/L

response 943

Ion	Exp%	Act%
96.00	100	100
98.00	63.50	65.42
61.10	145.20	162.48
0.00	0.00	0.00

Manual Integration:

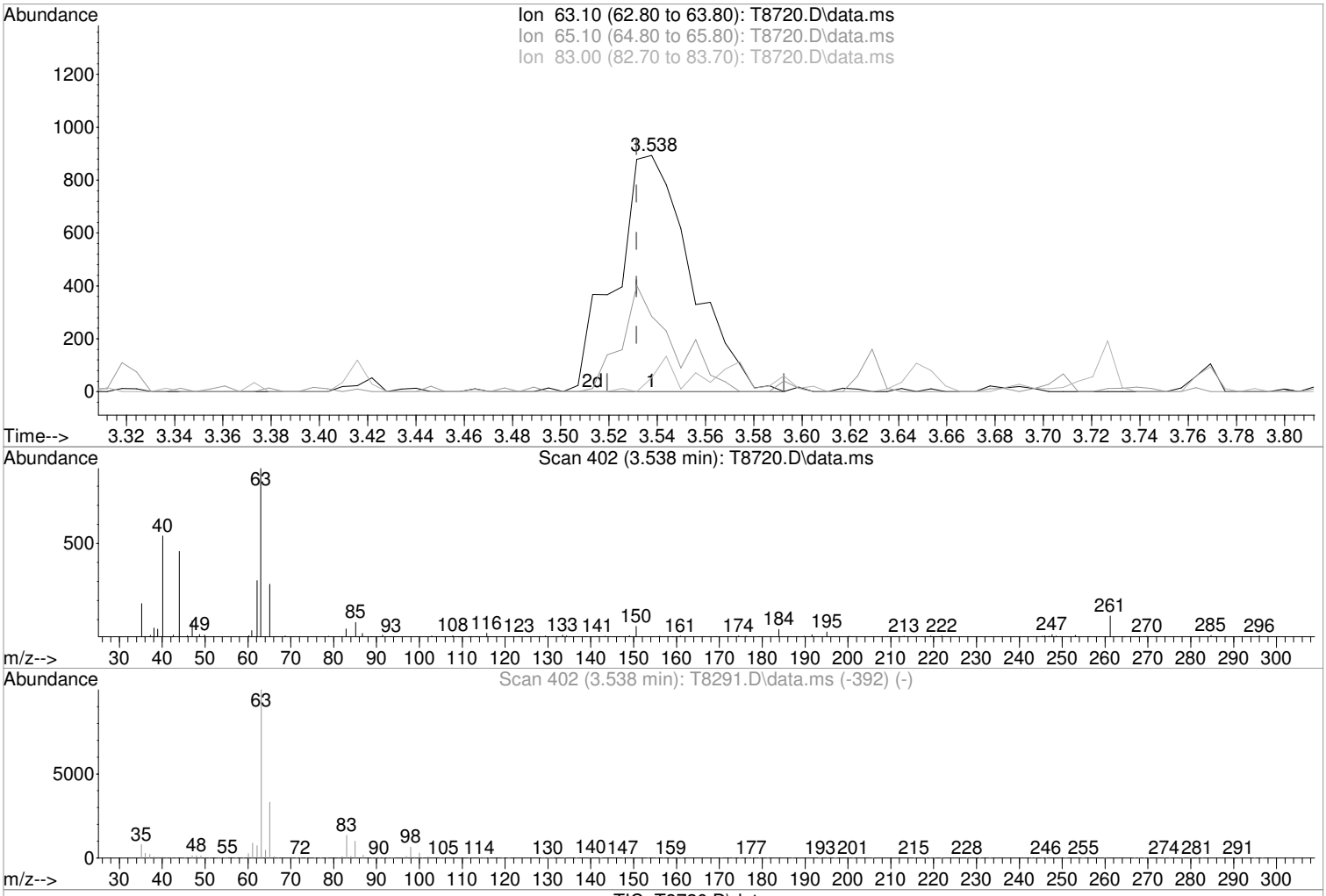
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(27) 1,1-Diclethane (P)

3.538min (+0.006) 0.46 ug/L m

response 1946

Ion	Exp%	Act%
63.10	100	100
65.10	33.30	31.91
83.00	13.50	5.82
0.00	0.00	0.00

Manual Integration:

After

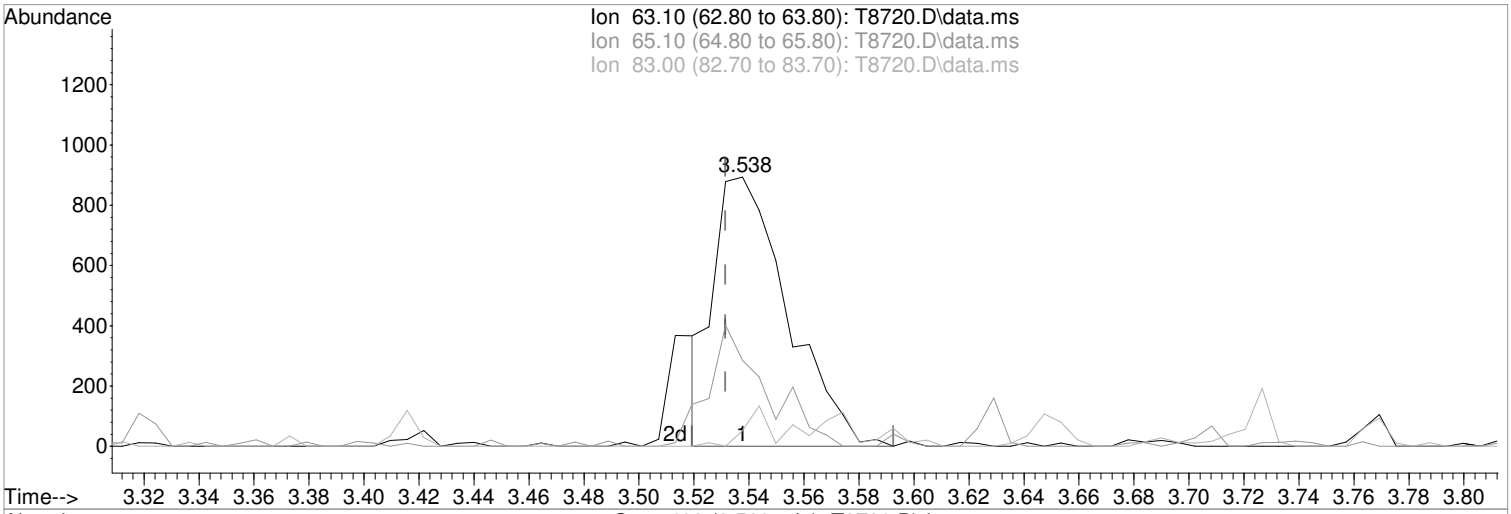
Poor integration.

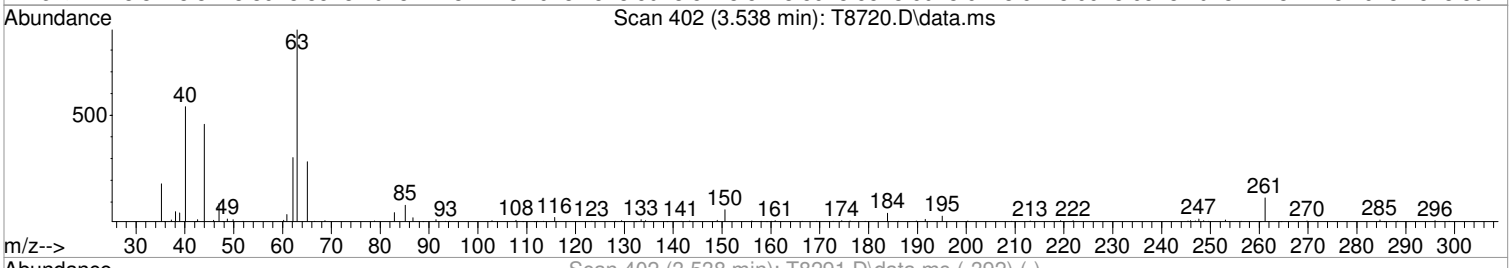
09/08/21

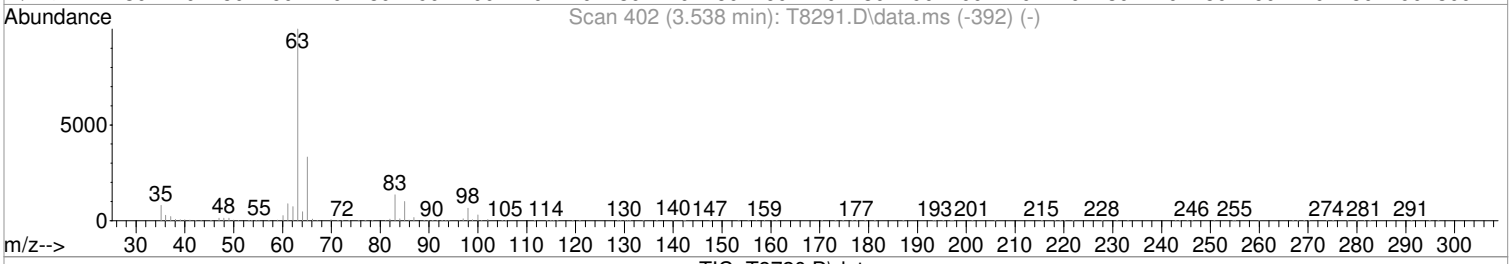
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(27) 1,1-Diclethane (P)

3.538min (+0.006) 0.40 ug/L

response 1668

Ion	Exp%	Act%
63.10	100	100
65.10	33.30	31.91
83.00	13.50	5.82
0.00	0.00	0.00

Manual Integration:

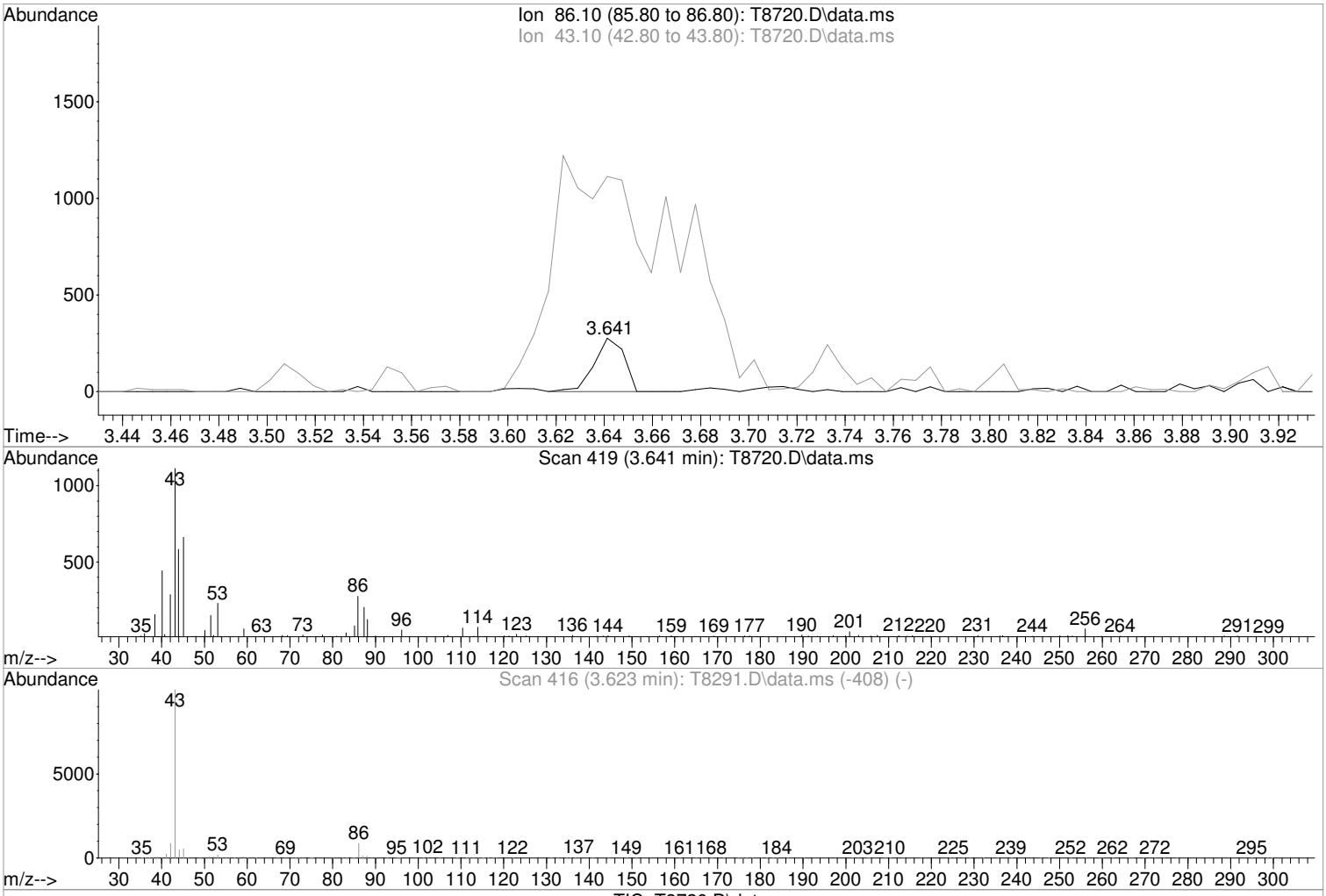
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(28) Vinyl Acetate

3.641min (+0.012) 0.41 ug/L m

response 237

Ion	Exp%	Act%
86.10	100	100
43.10	1150.60	403.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

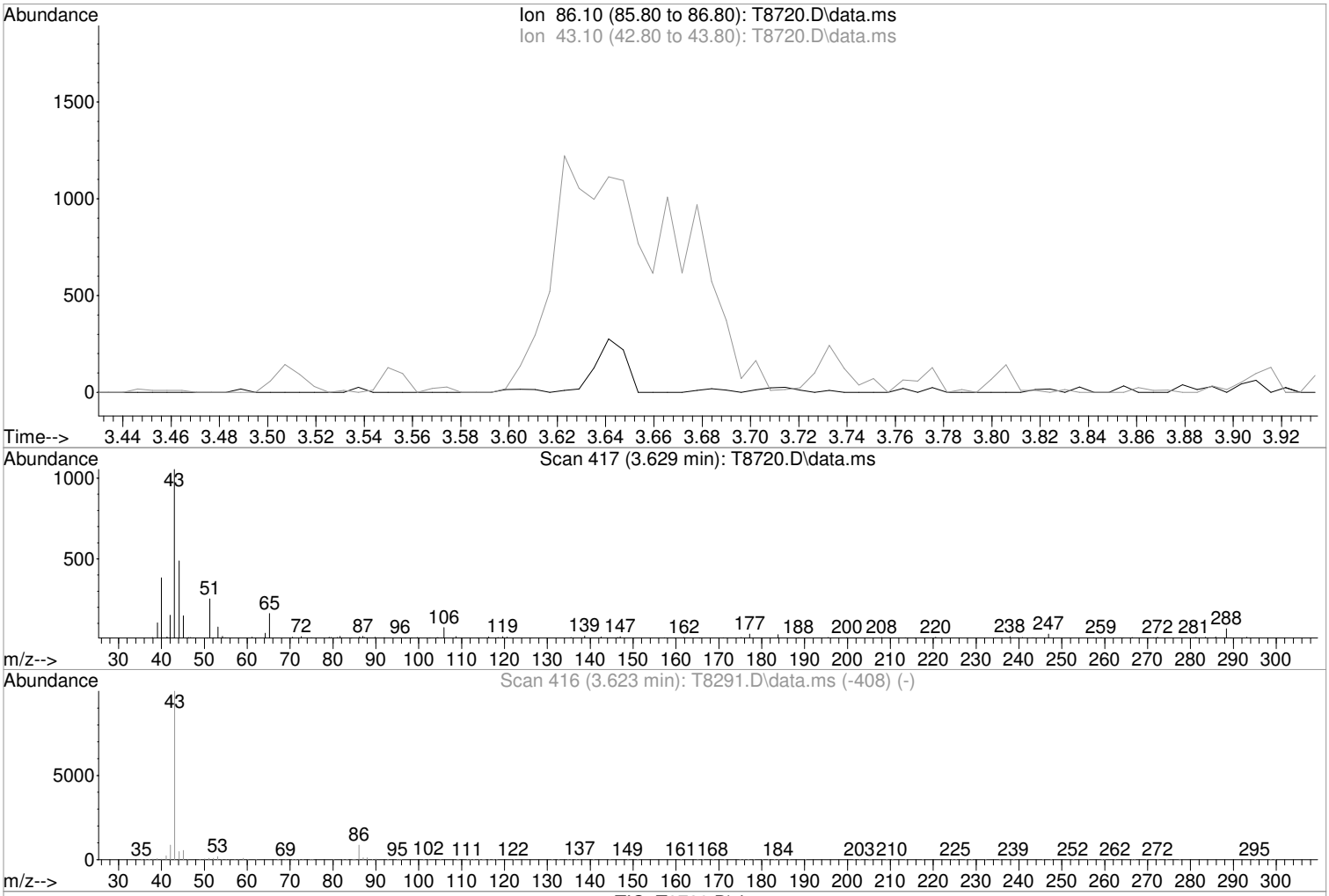
Peak not found.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(28) Vinyl Acetate

3.629min (-3.629) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.10	100	0.00
43.10	1150.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

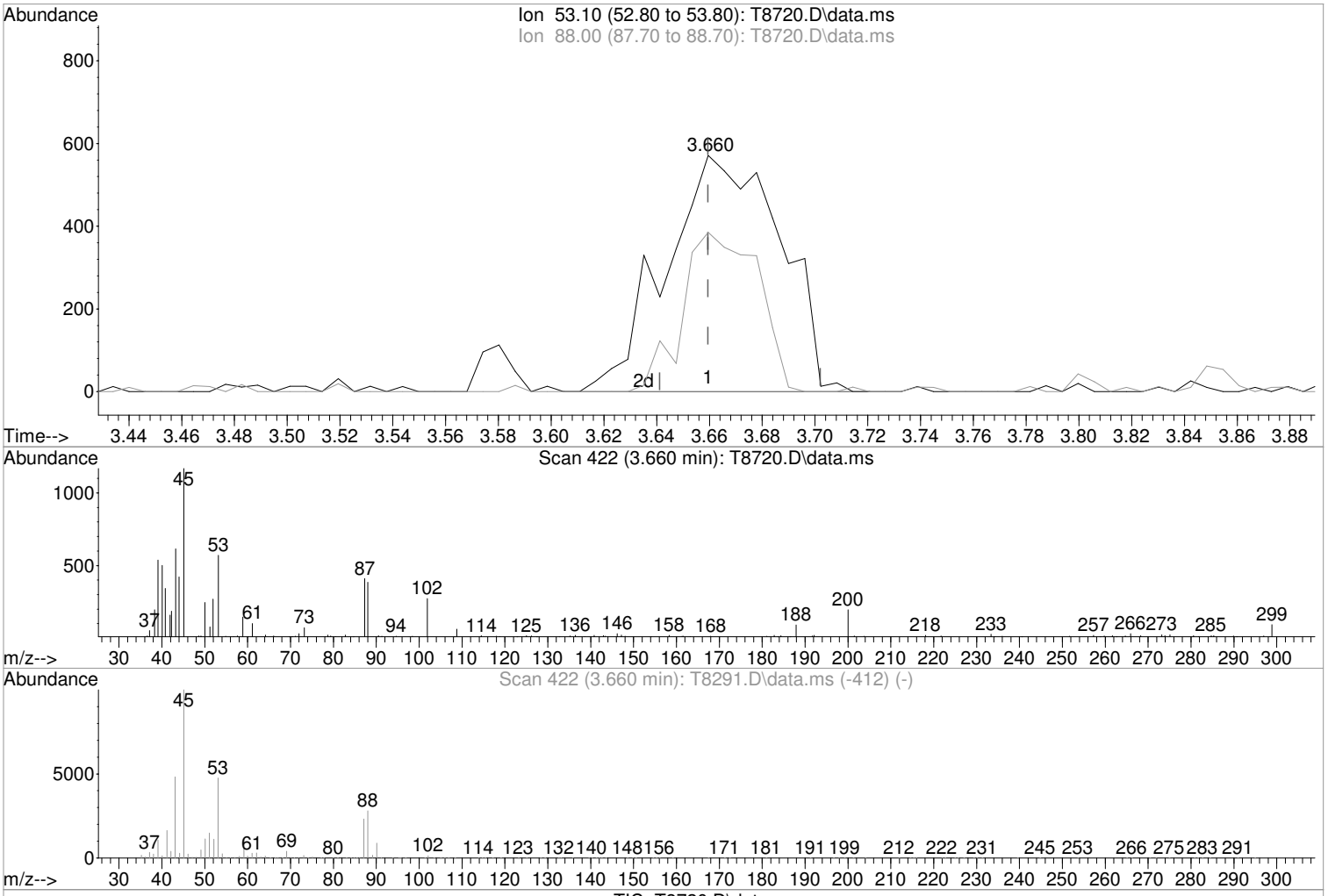
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.660min (+0.000) 0.52 ug/L m

response 1728

Ion	Exp%	Act%
53.10	100	100
88.00	59.00	67.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

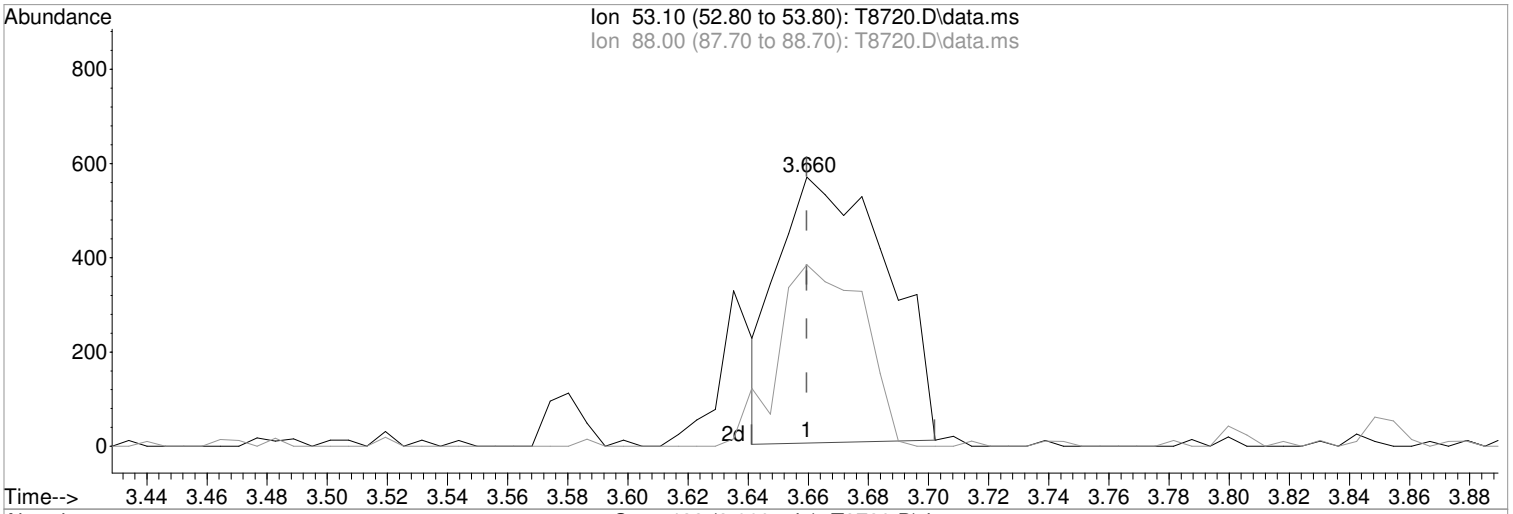
Poor integration.

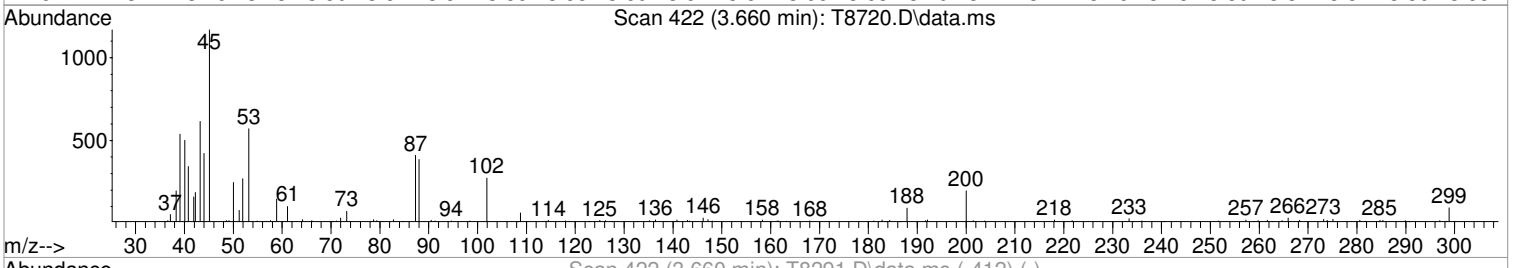
09/08/21

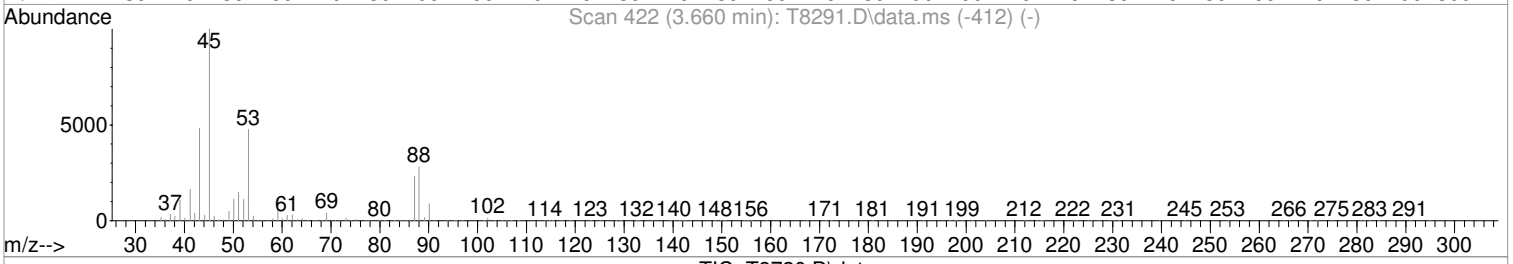
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.660min (+0.000) 0.43 ug/L

response 1427

Ion	Exp%	Act%
53.10	100	100
88.00	59.00	67.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

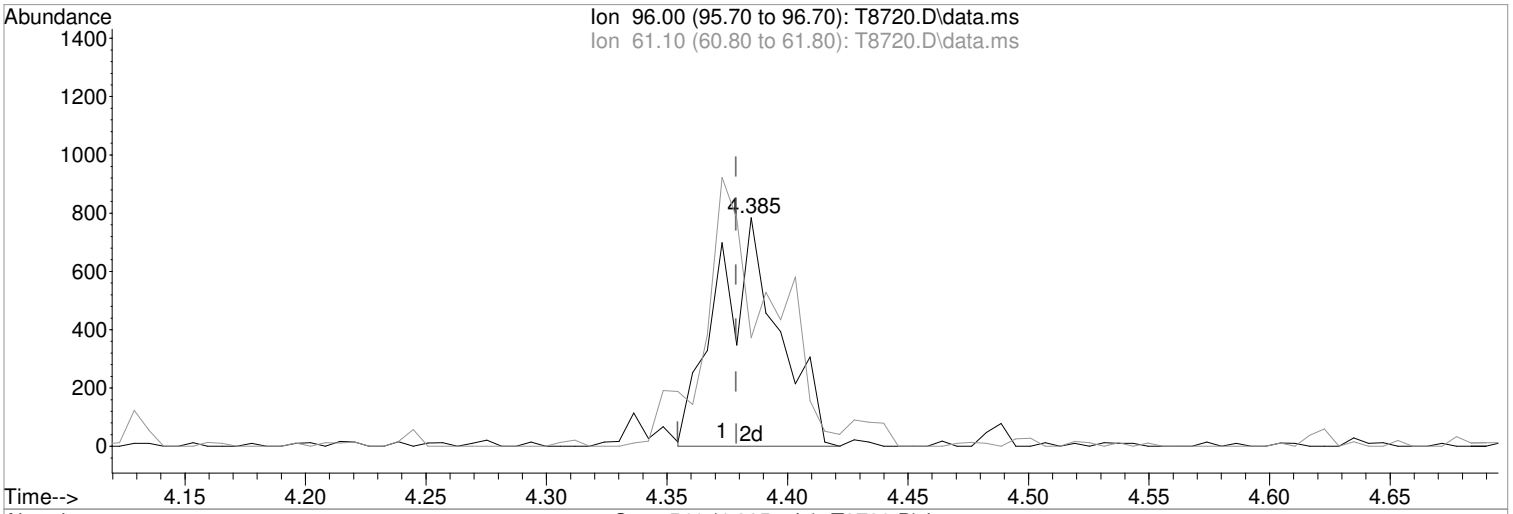
Before

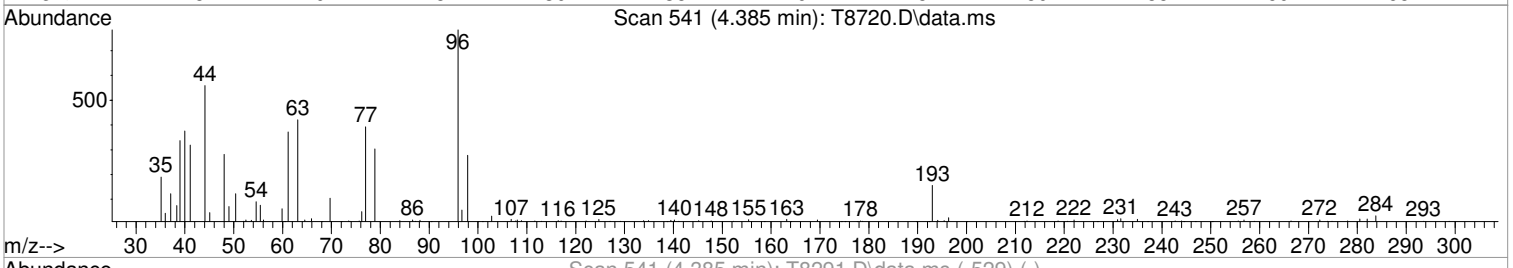
09/08/21

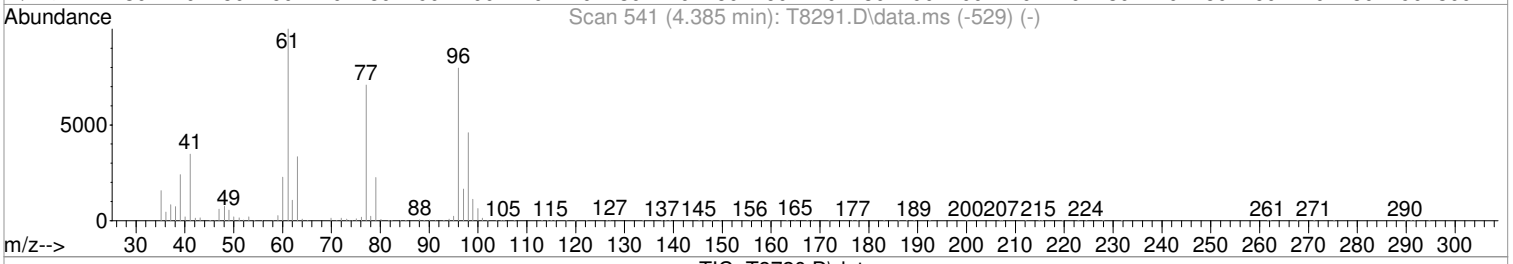
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

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

4.385min (+0.006) 0.55 ug/L m

response 1389

Ion	Exp%	Act%
96.00	100	100
61.10	125.60	47.45#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

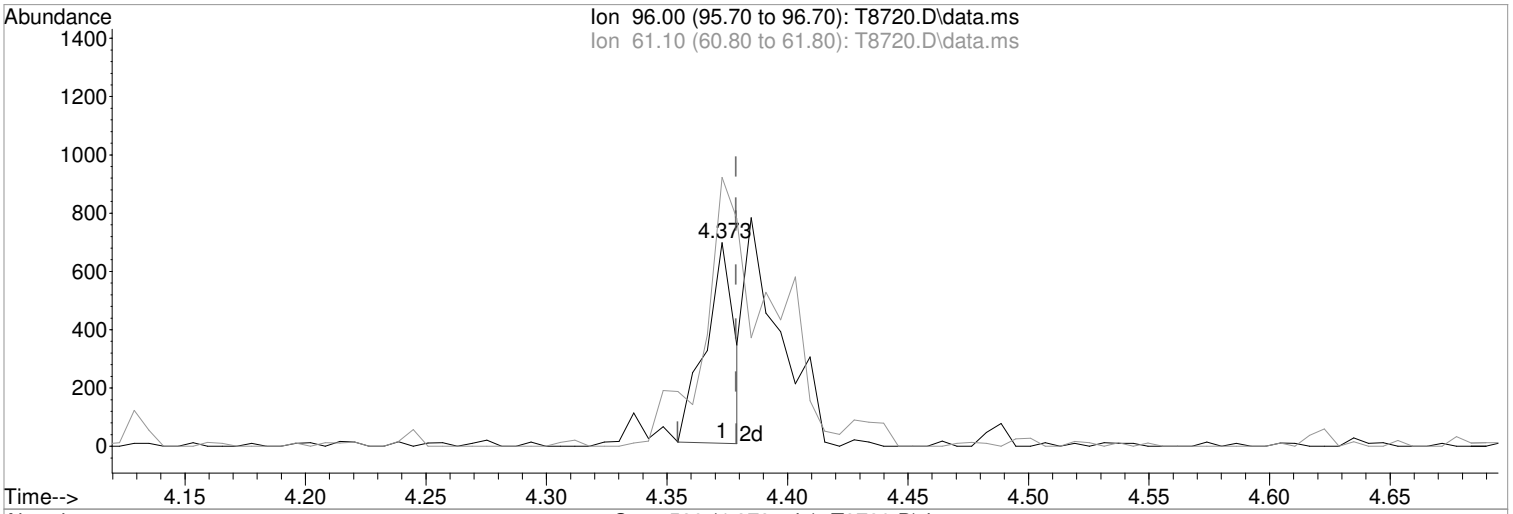
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

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

4.373min (-0.006) 0.23 ug/L

response 579

Ion	Exp%	Act%
96.00	100	100
61.10	125.60	117.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

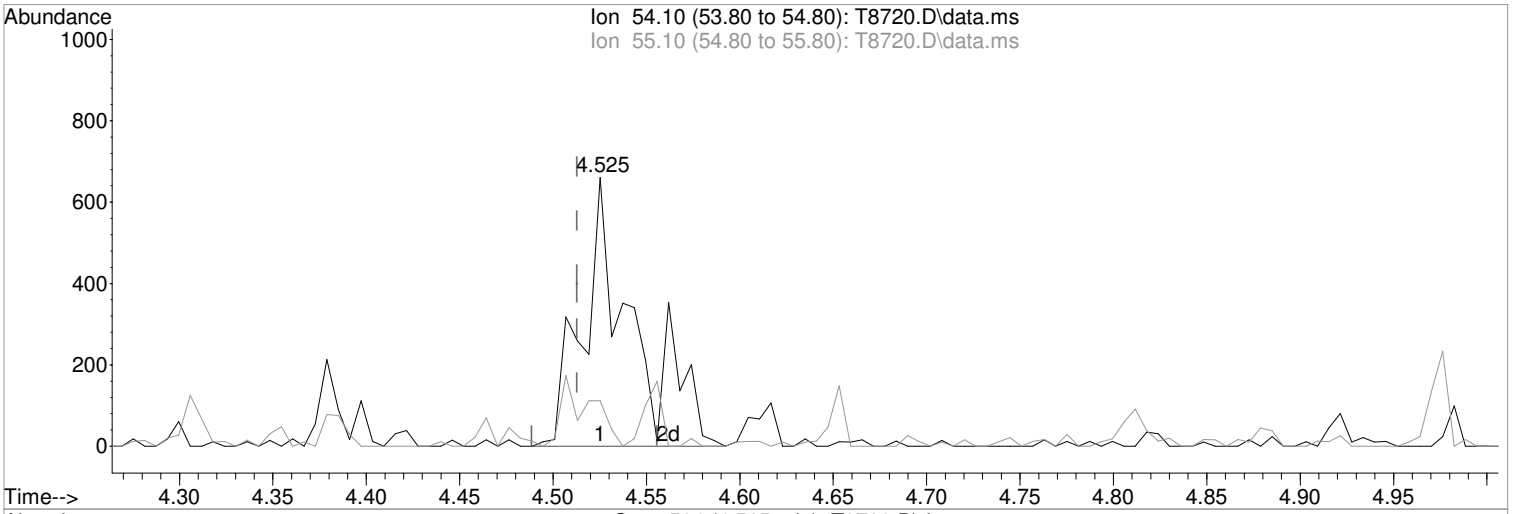
Before

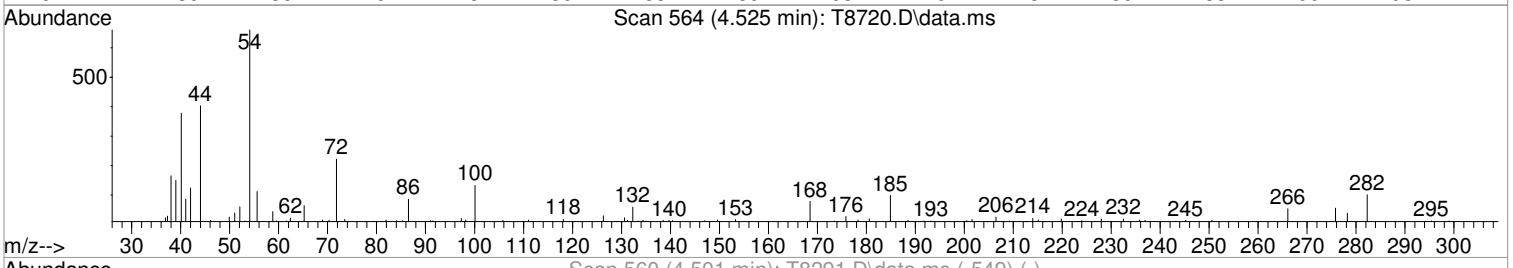
09/08/21

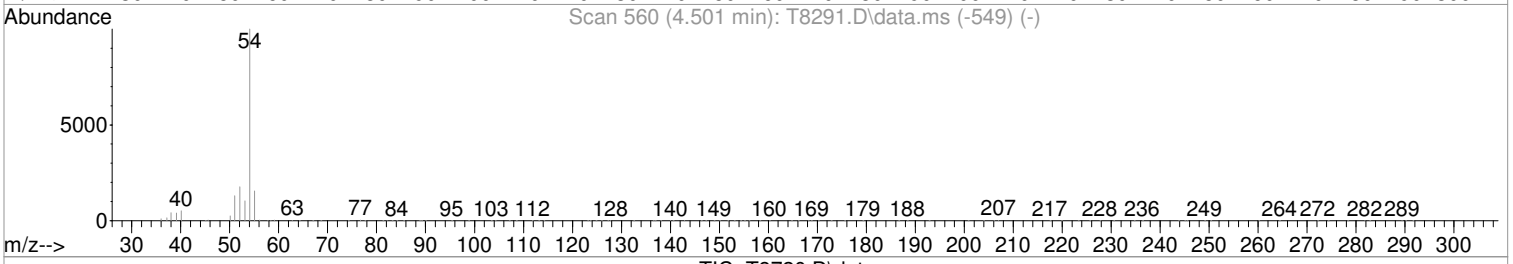
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(35) Propionitrile

4.525min (+0.012) 1.99 ug/L m

response 1246

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	16.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

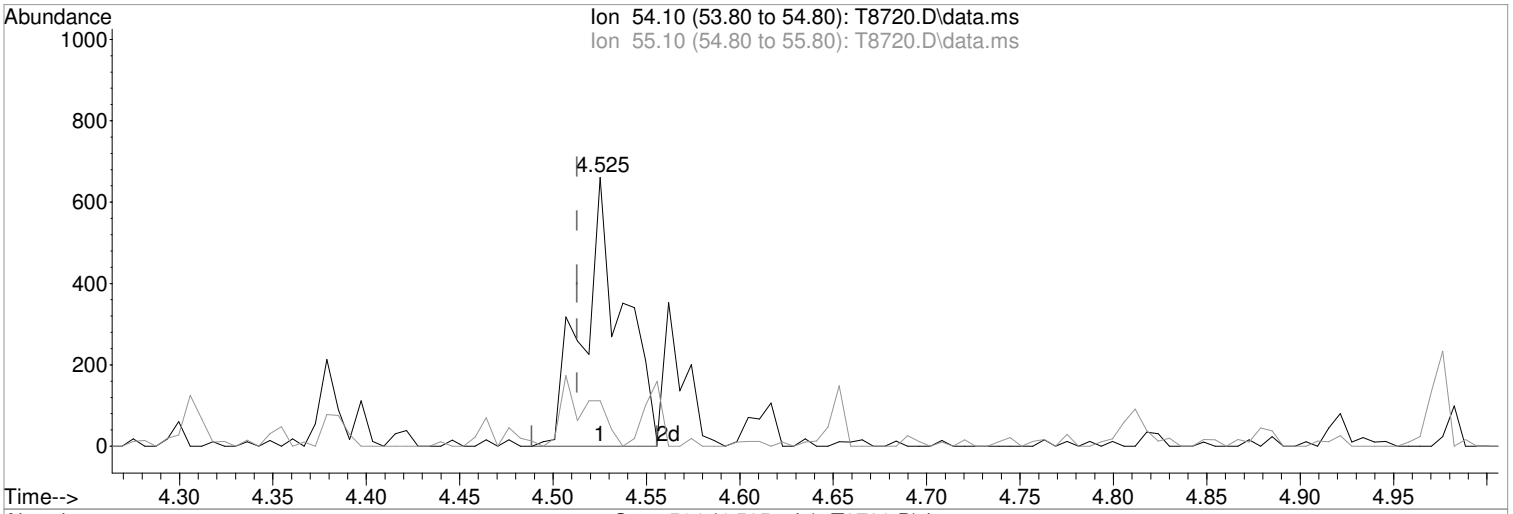
Poor integration.

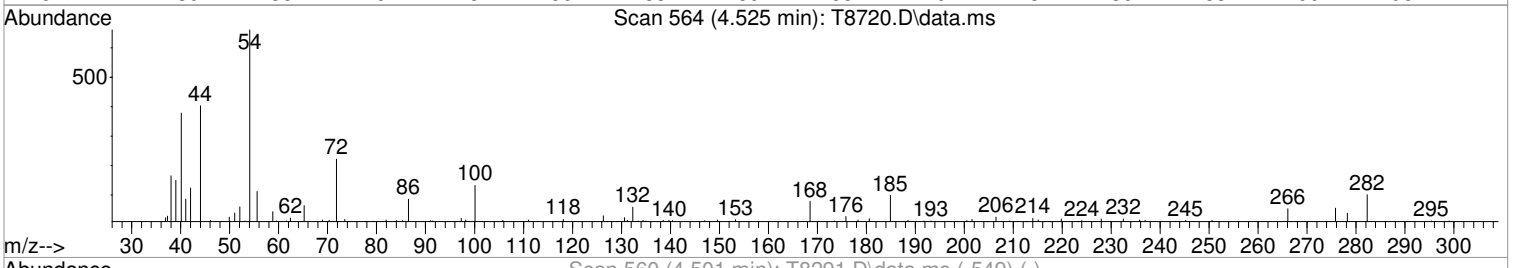
09/08/21

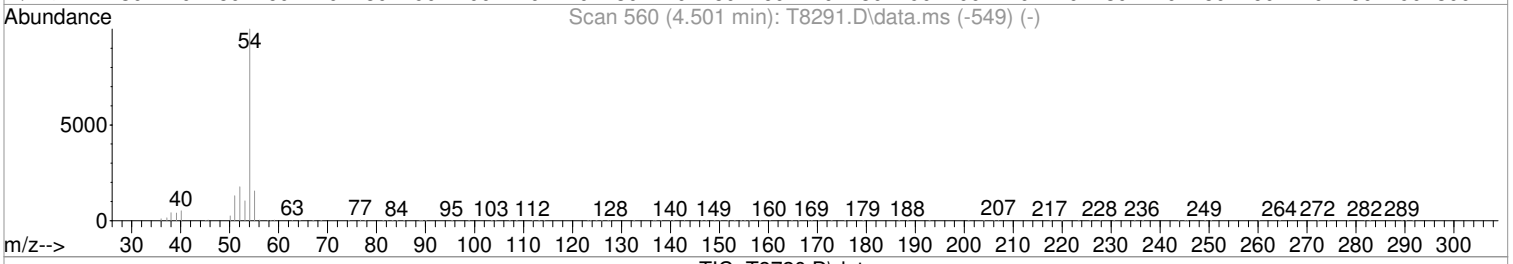
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(35) Propionitrile

4.525min (+0.012) 1.56 ug/L

response 979

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	16.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

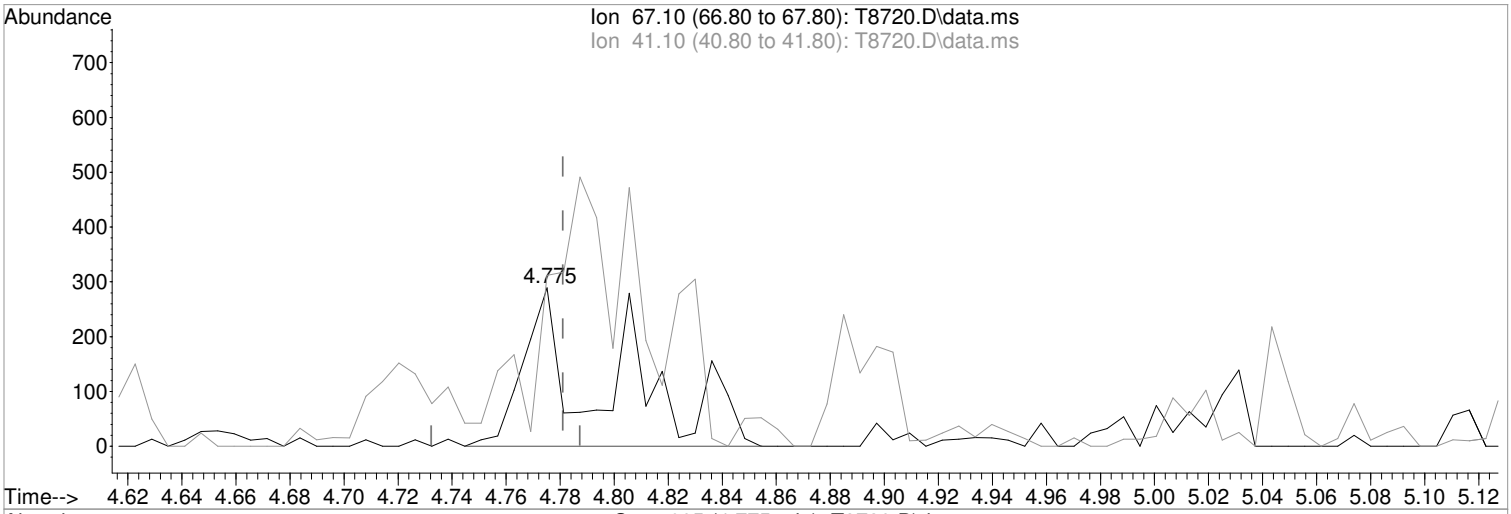
09/08/21

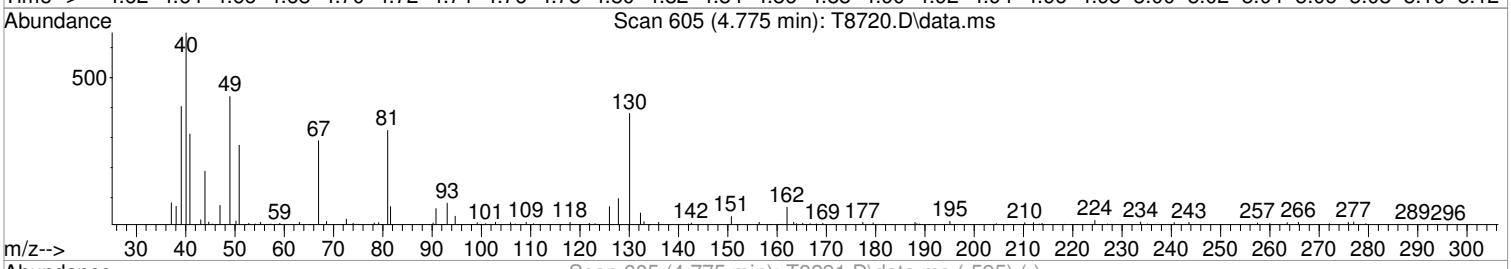
1st FN 09/08/21
2nd 09/08/21

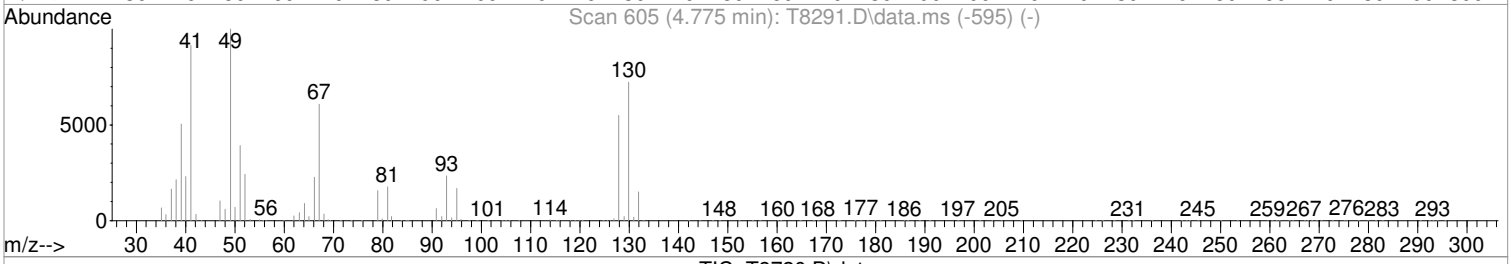
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(37) Methacrylonitrile

4.775min (-0.006) 0.42 ug/L m

response 609

Ion	Exp%	Act%
67.10	100	100
41.10	151.00	107.96#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

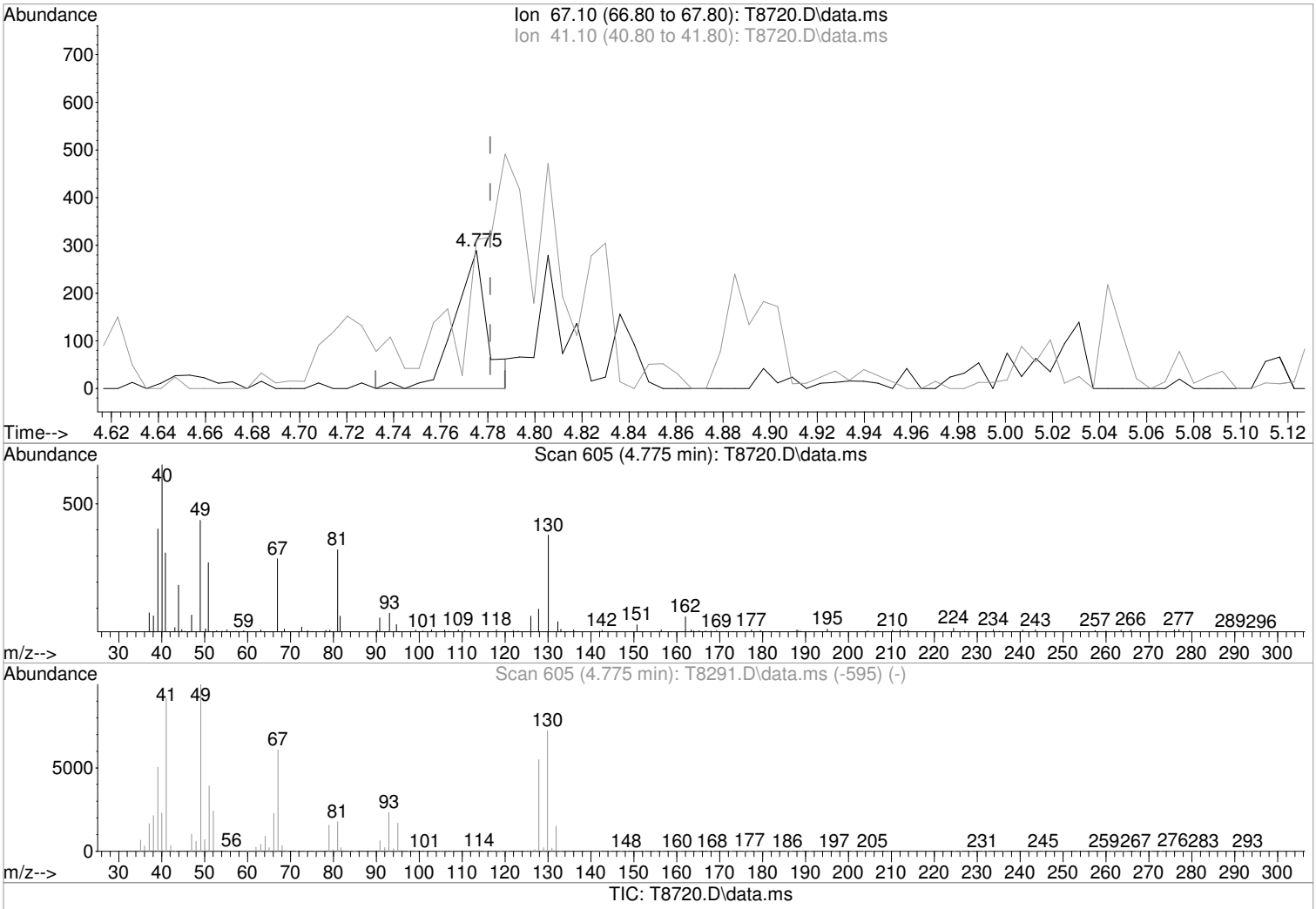
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(37) Methacrylonitrile

4.775min (-0.006) 0.19 ug/L

response 276

Ion	Exp%	Act%
67.10	100	100
41.10	151.00	107.96#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

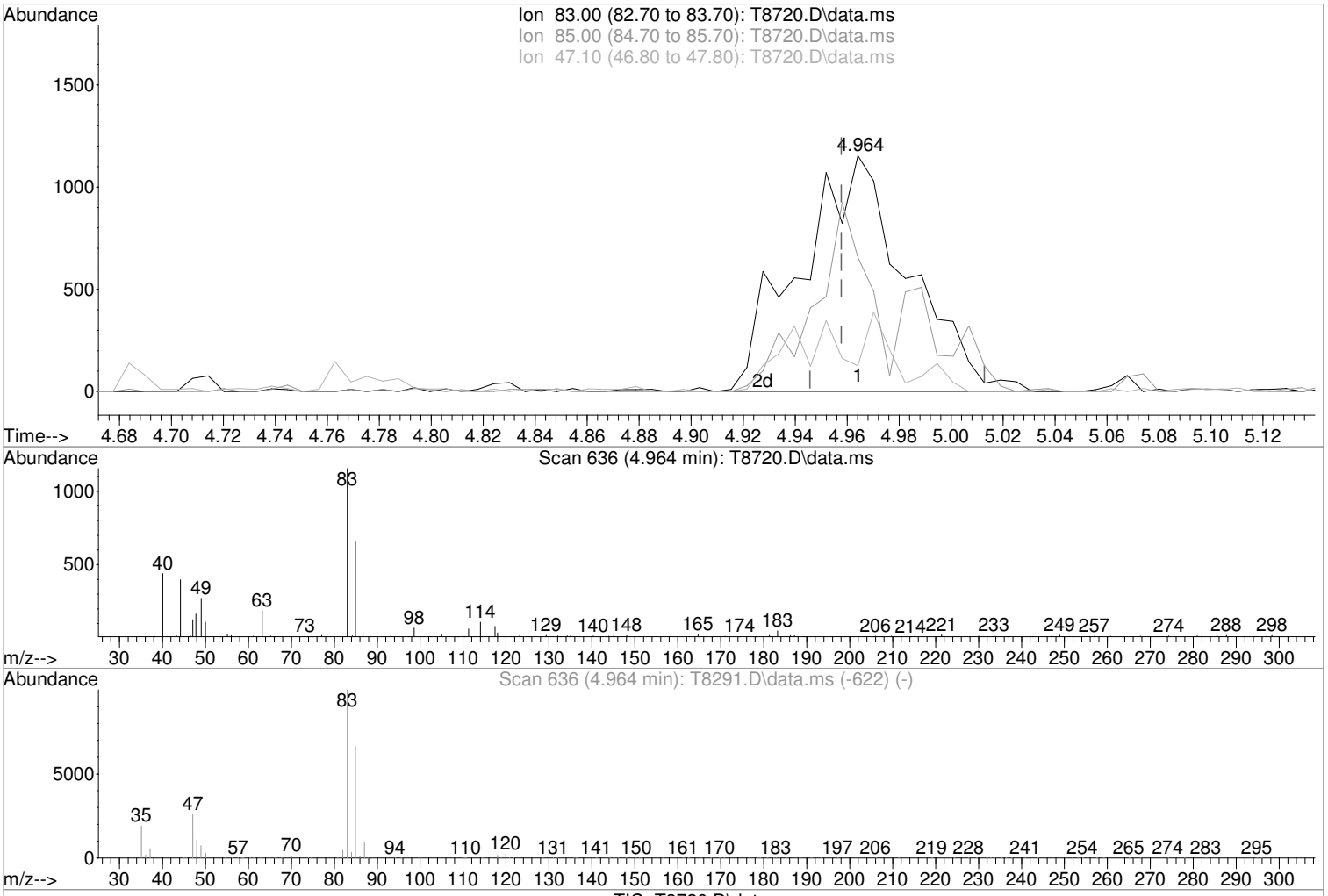
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(39) Chloroform (P)

4.964min (+0.006) 0.74 ug/L m

response 3328

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	56.85
47.10	25.90	14.21
0.00	0.00	0.00

Manual Integration:

After

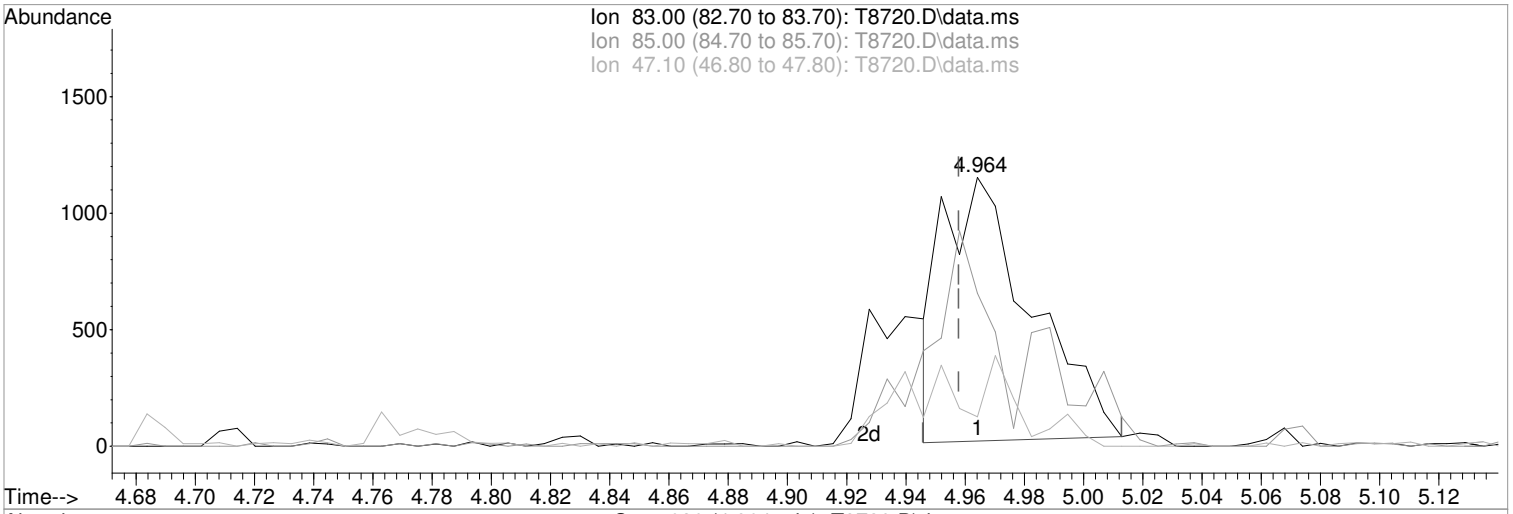
Poor integration.

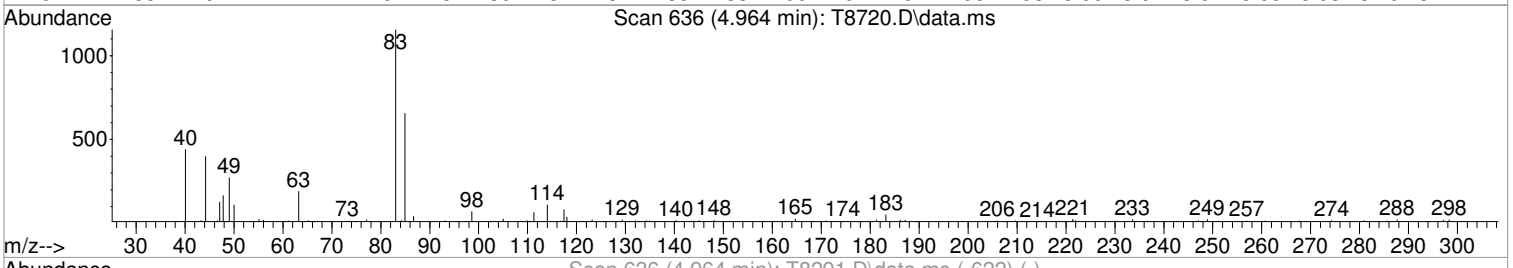
09/08/21

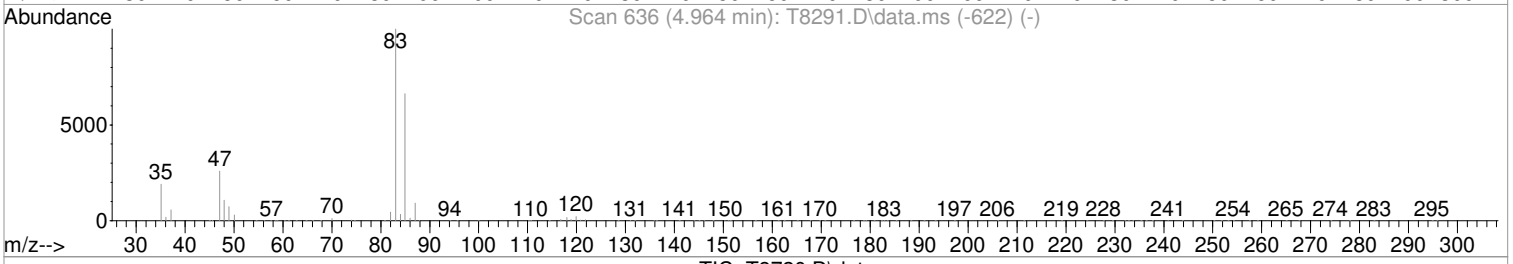
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(39) Chloroform (P)

4.964min (+0.006) 0.52 ug/L

response 2340

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	56.85
47.10	25.90	25.13
0.00	0.00	0.00

Manual Integration:

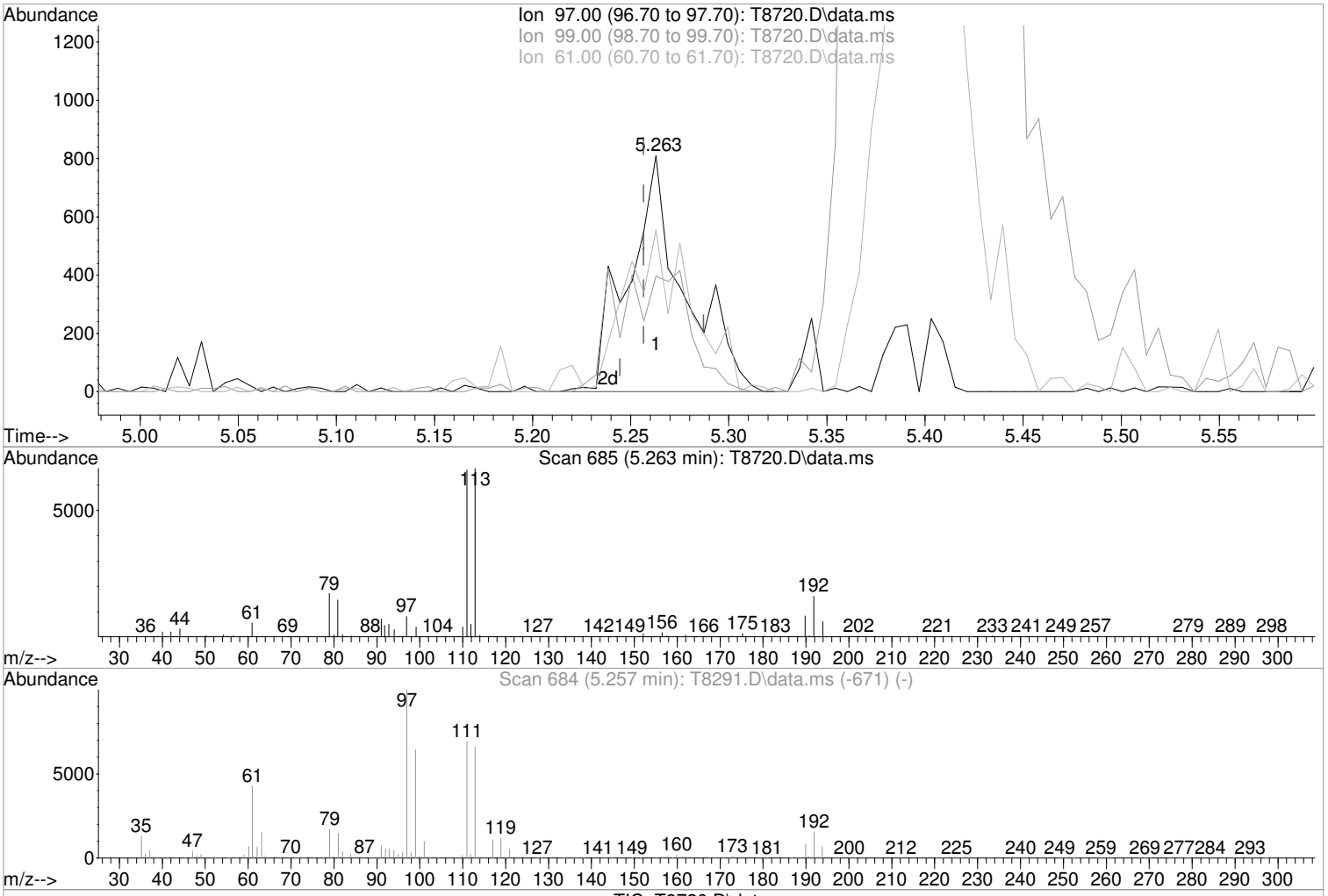
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

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

5.263min (+0.006) 0.50 ug/L m

response 1607

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	48.89
61.00	42.80	68.52#
0.00	0.00	0.00

Manual Integration:

After

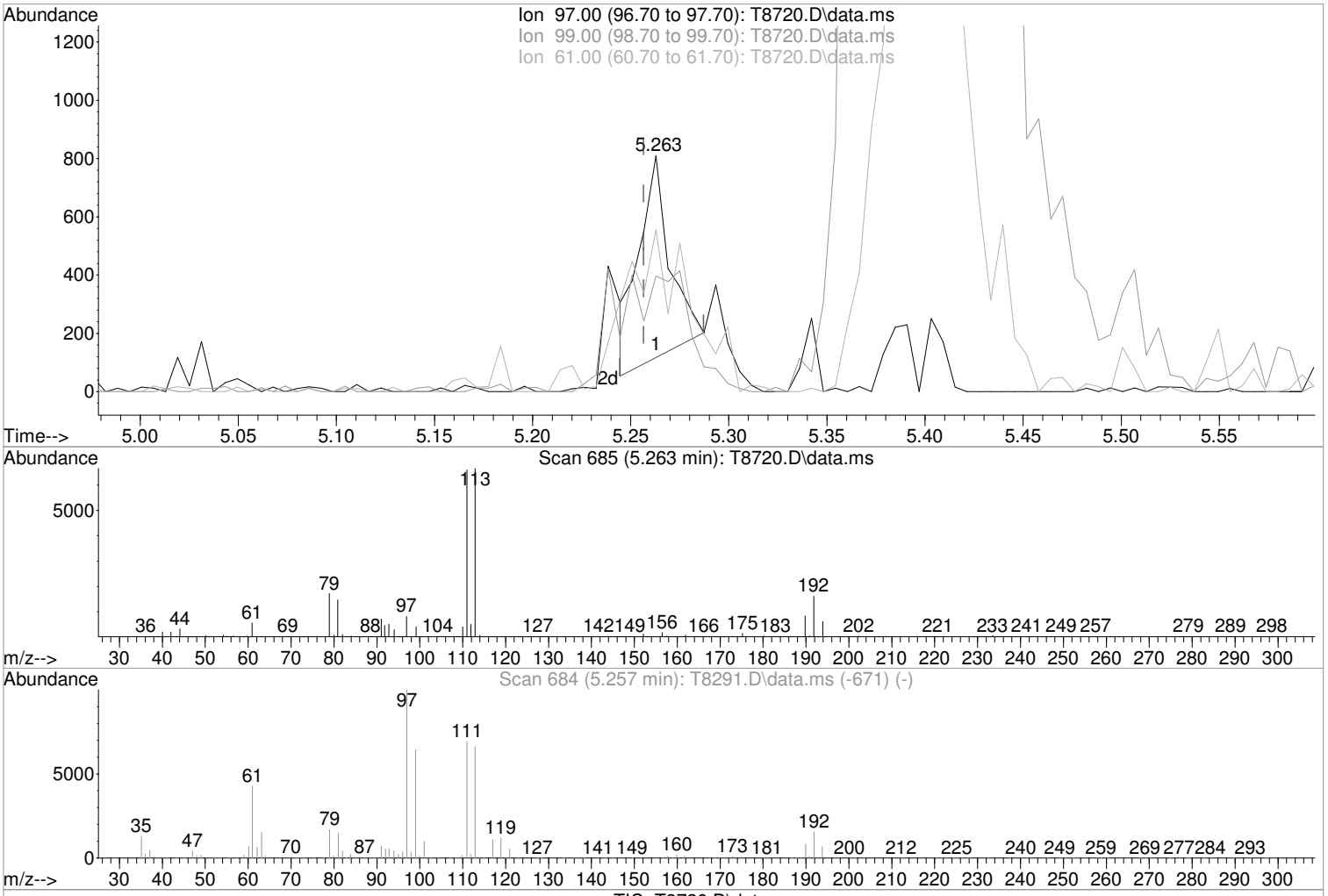
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

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

5.263min (+0.006) 0.24 ug/L

response 771

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	48.89
61.00	42.80	68.52#
0.00	0.00	0.00

Manual Integration:

Before

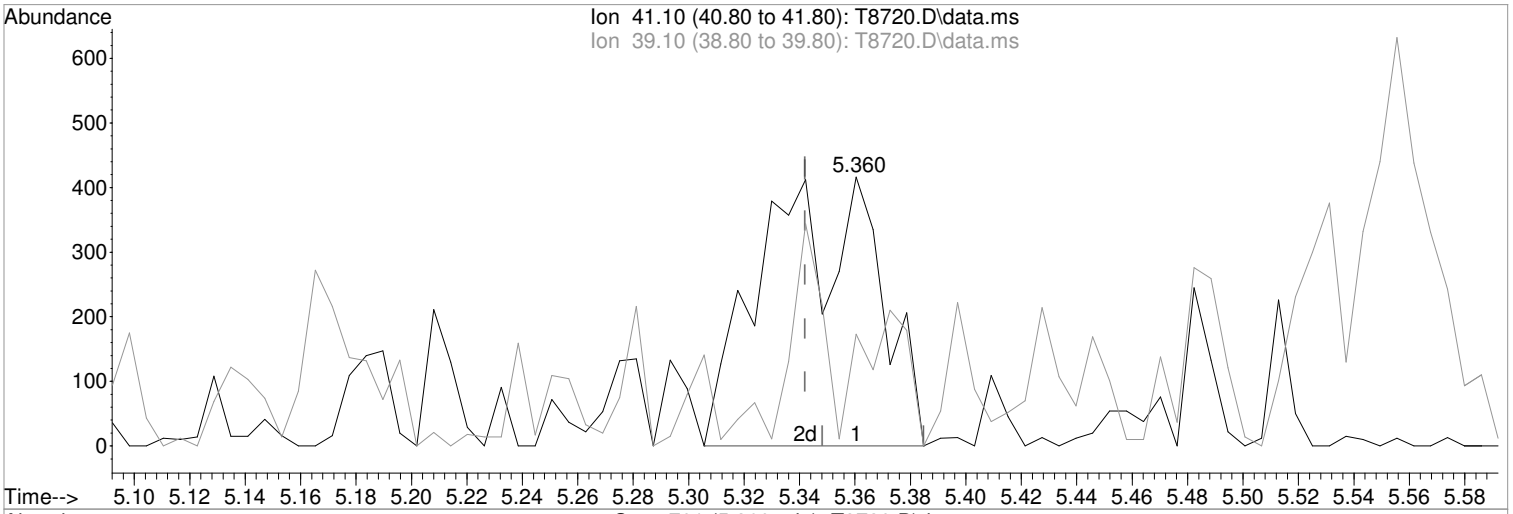
09/08/21

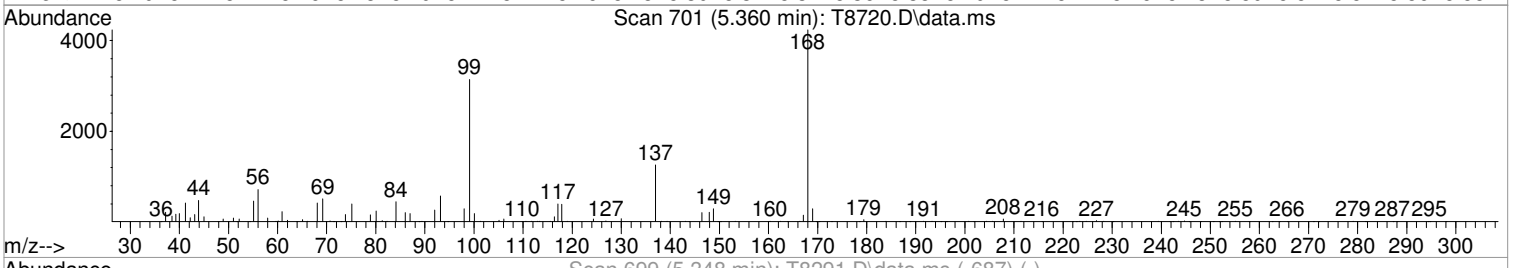
1st FN 09/08/21
2nd 09/08/21

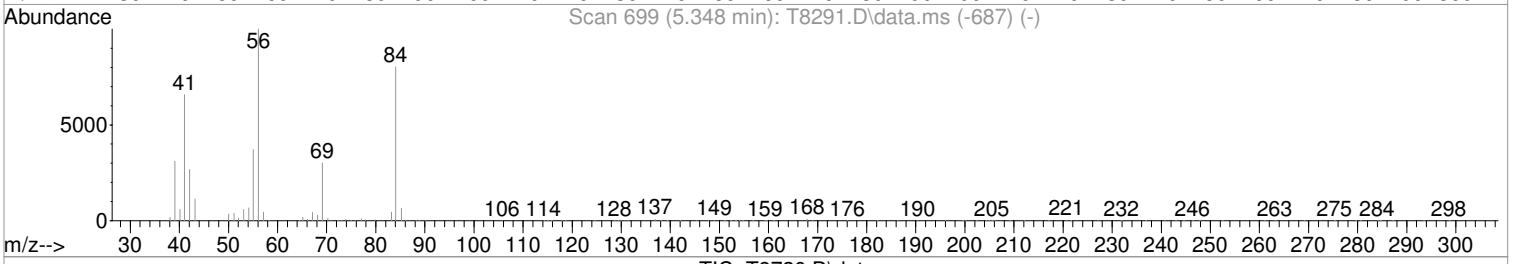
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(42) Cyclohexane (P)

5.360min (+0.018) 0.47 ug/L m

response 1192

Ion	Exp%	Act%
41.10	100	100
39.10	47.40	41.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

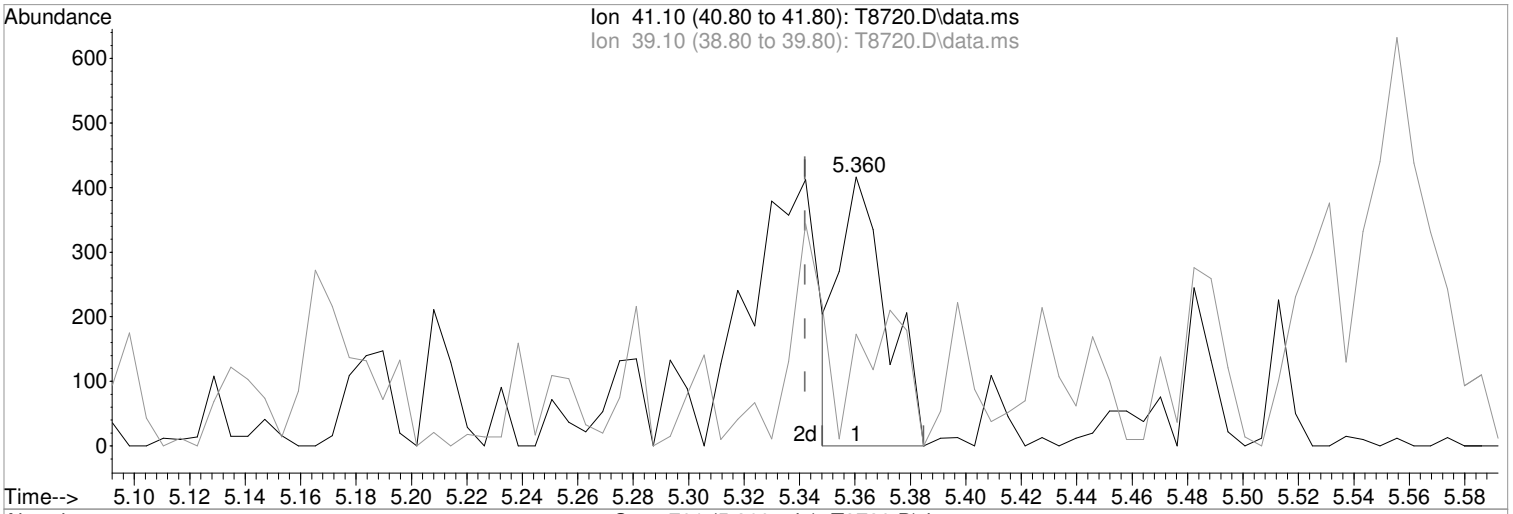
Poor integration.

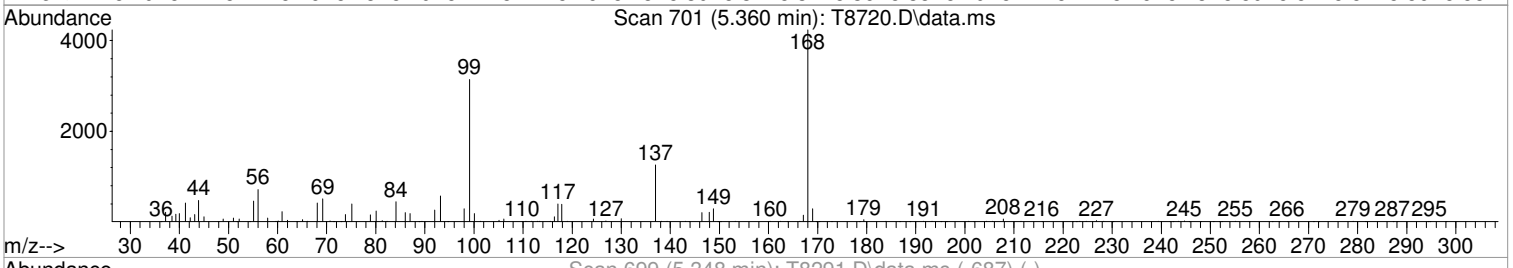
09/08/21

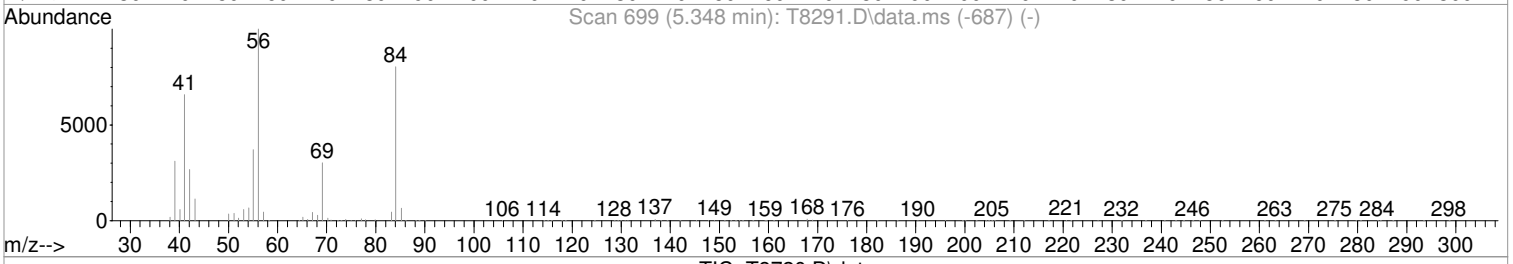
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(42) Cyclohexane (P)

5.360min (+0.018) 0.20 ug/L

response 495

Ion	Exp%	Act%
41.10	100	100
39.10	47.40	41.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

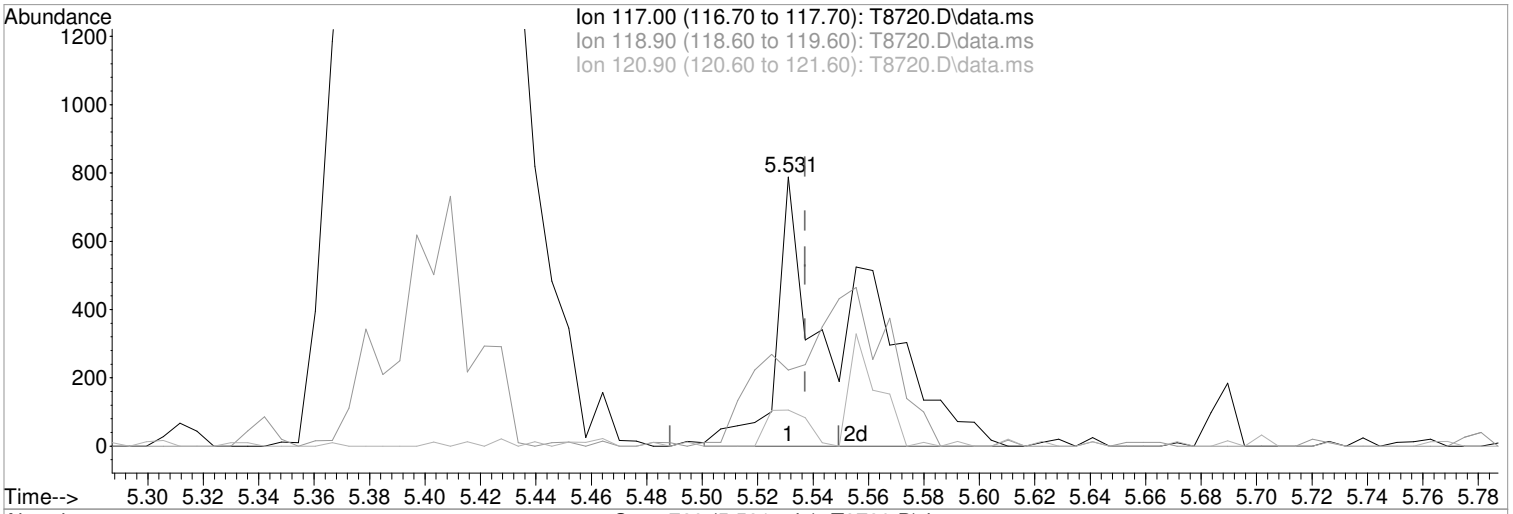
Before

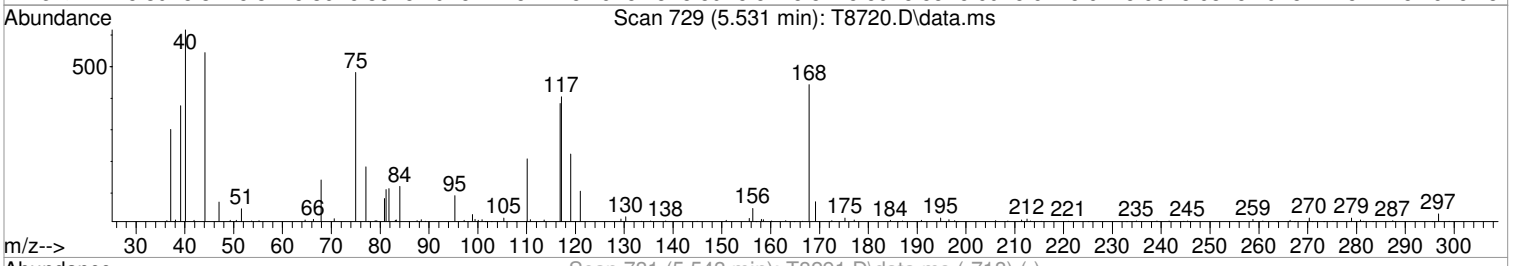
09/08/21

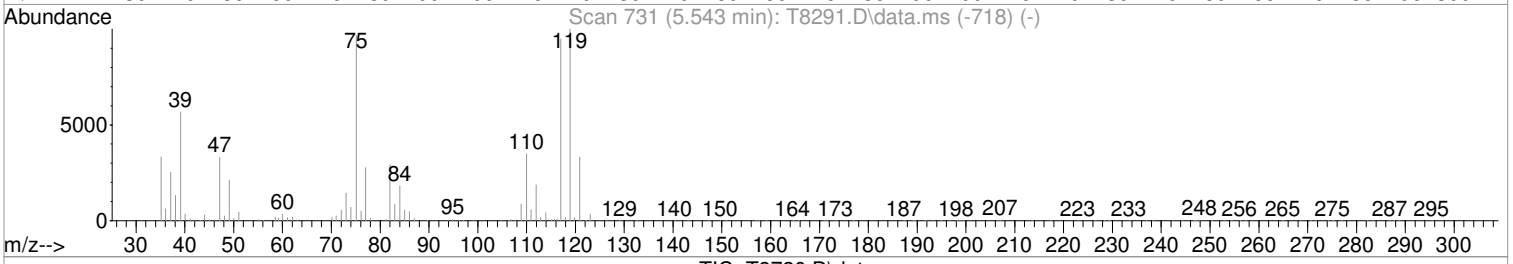
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(44) Carbontetrachloride (P)

5.531min (-0.006) 0.53 ug/L m

response 1455

Ion	Exp%	Act%
117.00	100	100
118.90	105.20	55.06#
120.90	35.00	26.17
0.00	0.00	0.00

Manual Integration:

After

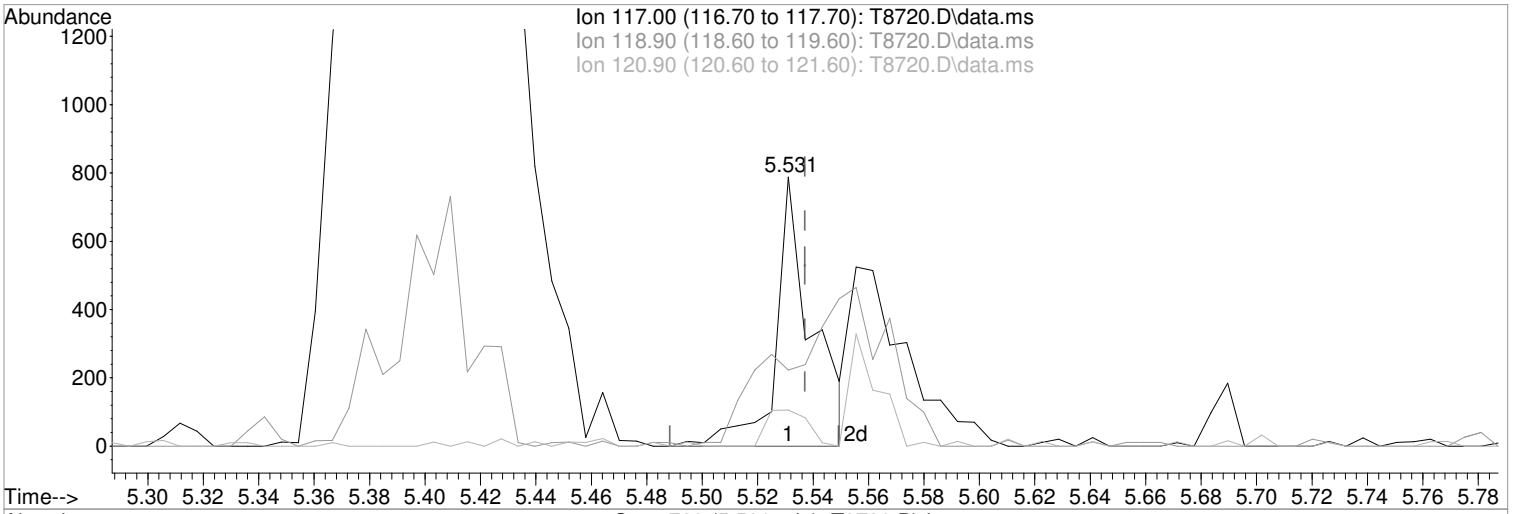
Poor integration.

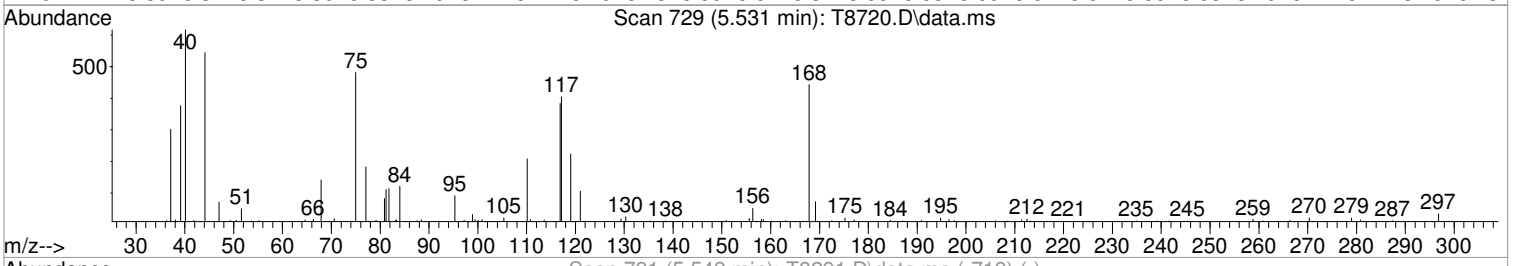
09/08/21

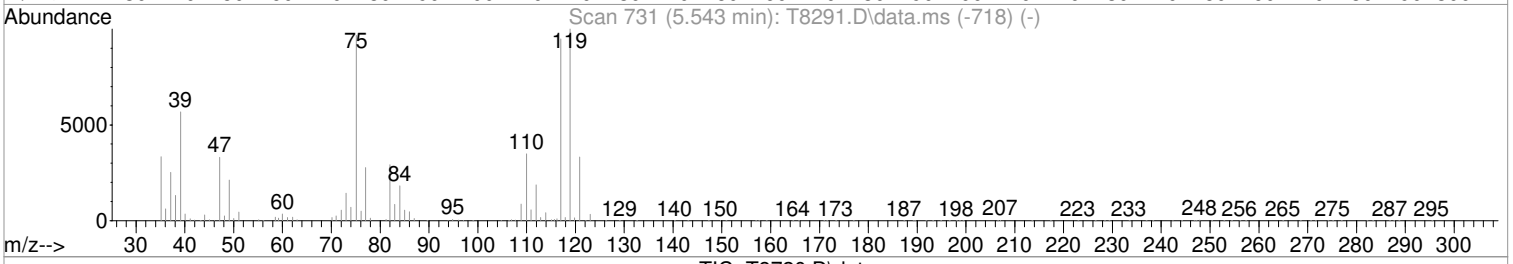
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(44) Carbontetrachloride (P)

5.531min (-0.006) 0.26 ug/L

response 707

Ion	Exp%	Act%
117.00	100	100
118.90	105.20	28.30#
120.90	35.00	13.45#
0.00	0.00	0.00

Manual Integration:

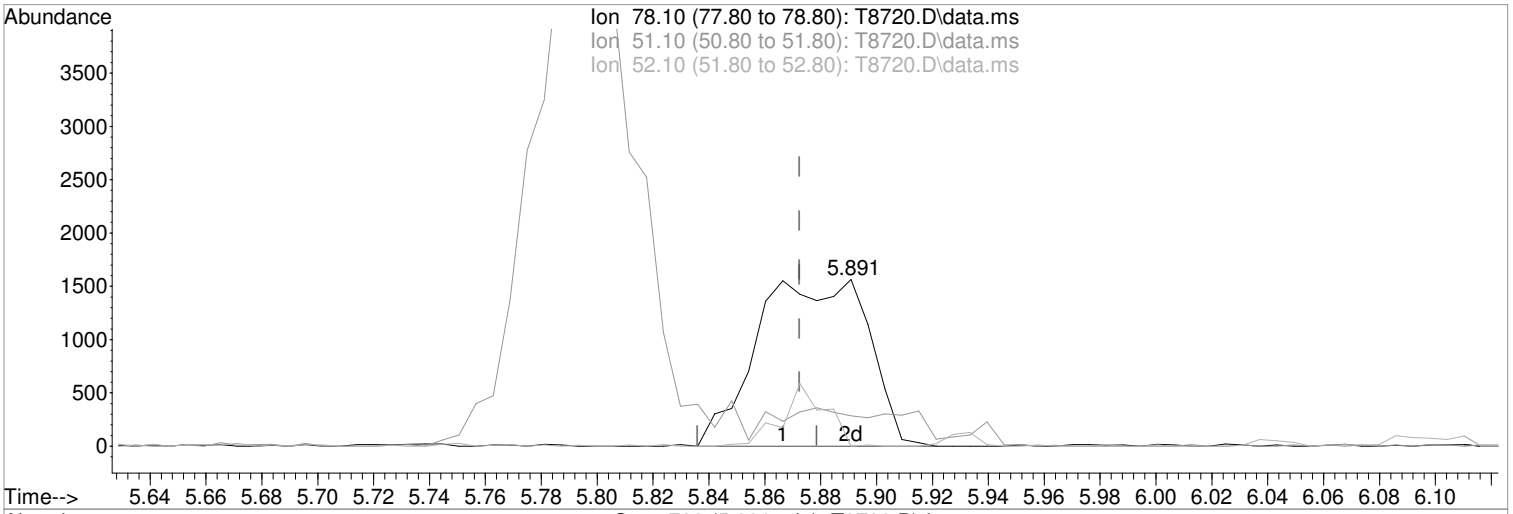
Before

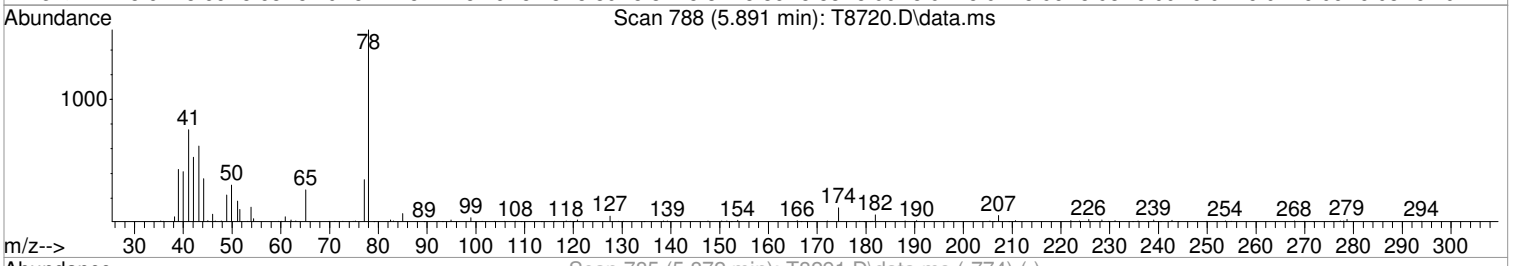
09/08/21

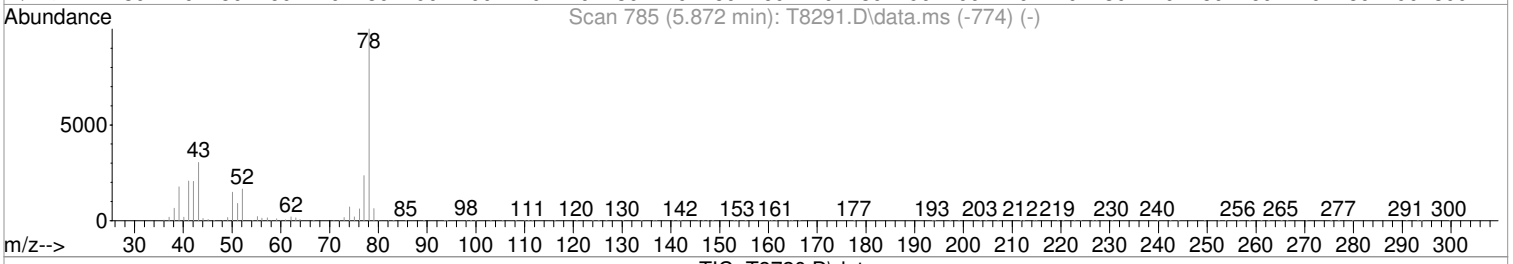
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(47) Benzene (P)

5.891min (+0.018) 0.46 ug/L m

response 4317

Ion	Exp%	Act%
78.10	100	100
51.10	17.70	11.20
52.10	16.70	0.00
0.00	0.00	0.00

Manual Integration:

After

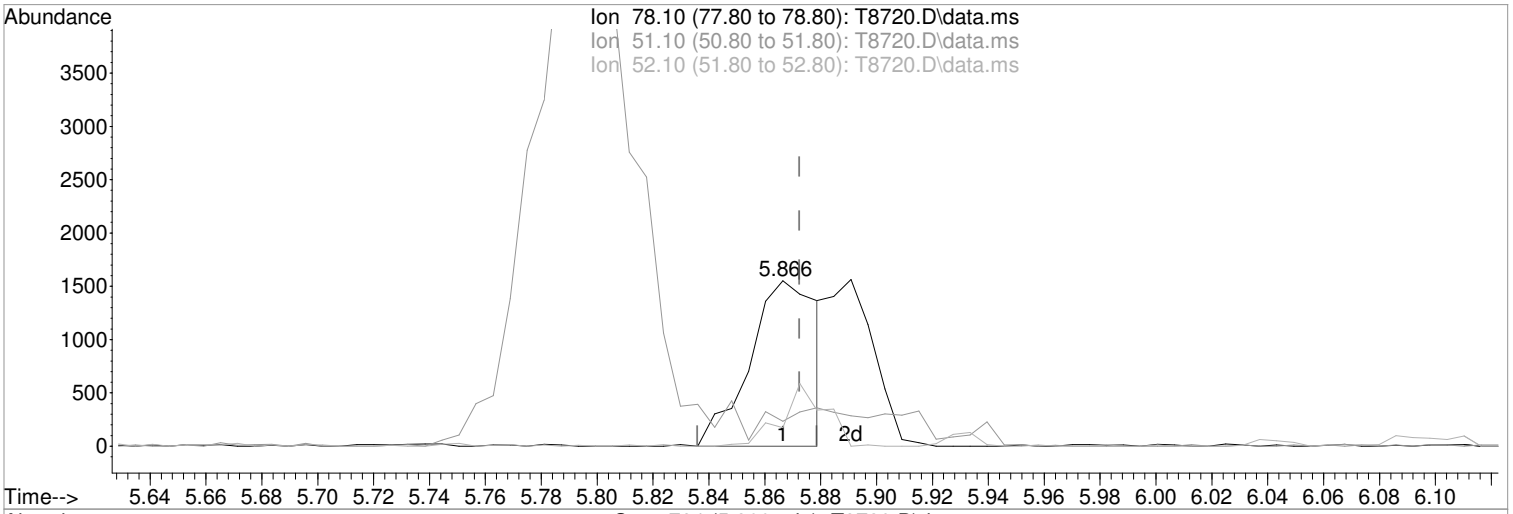
Poor integration.

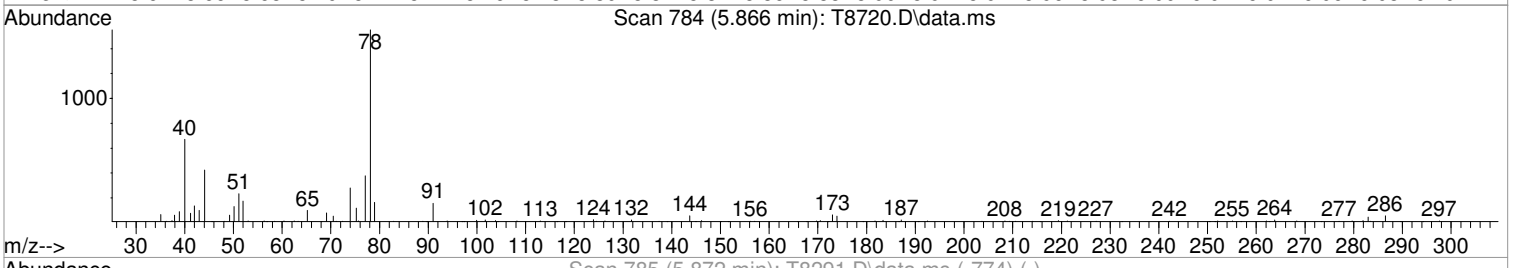
09/08/21

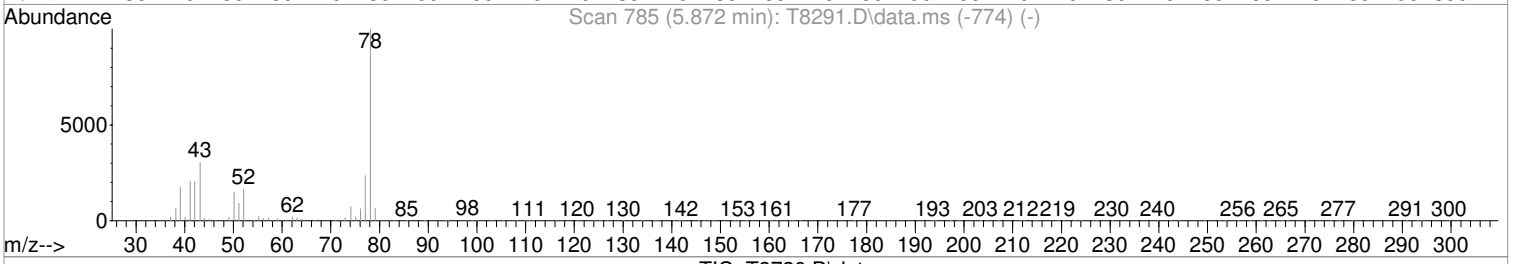
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(47) Benzene (P)

5.866min (-0.006) 0.27 ug/L

response 2582

Ion	Exp%	Act%
78.10	100	100
51.10	17.70	15.15
52.10	16.70	11.28
0.00	0.00	0.00

Manual Integration:

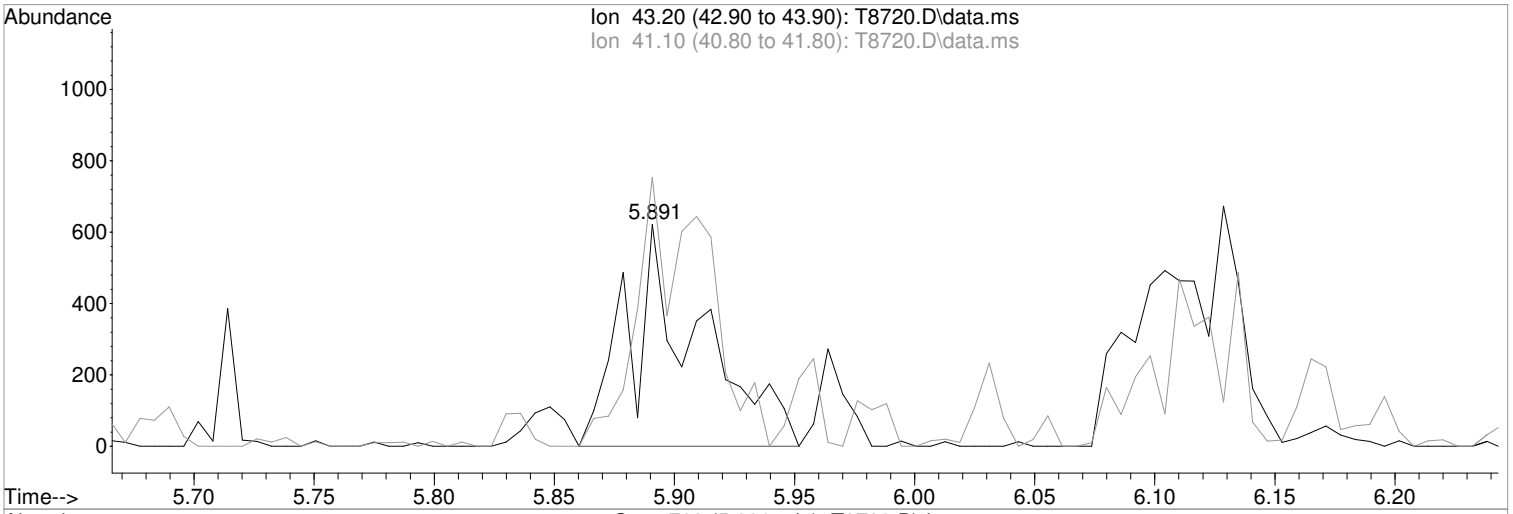
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(49) Iso-Butyl Alcohol

5.891min (-0.012) 5.23 ug/L m

response 1294

Ion	Exp%	Act%
43.20	100	100
41.10	67.30	121.22#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

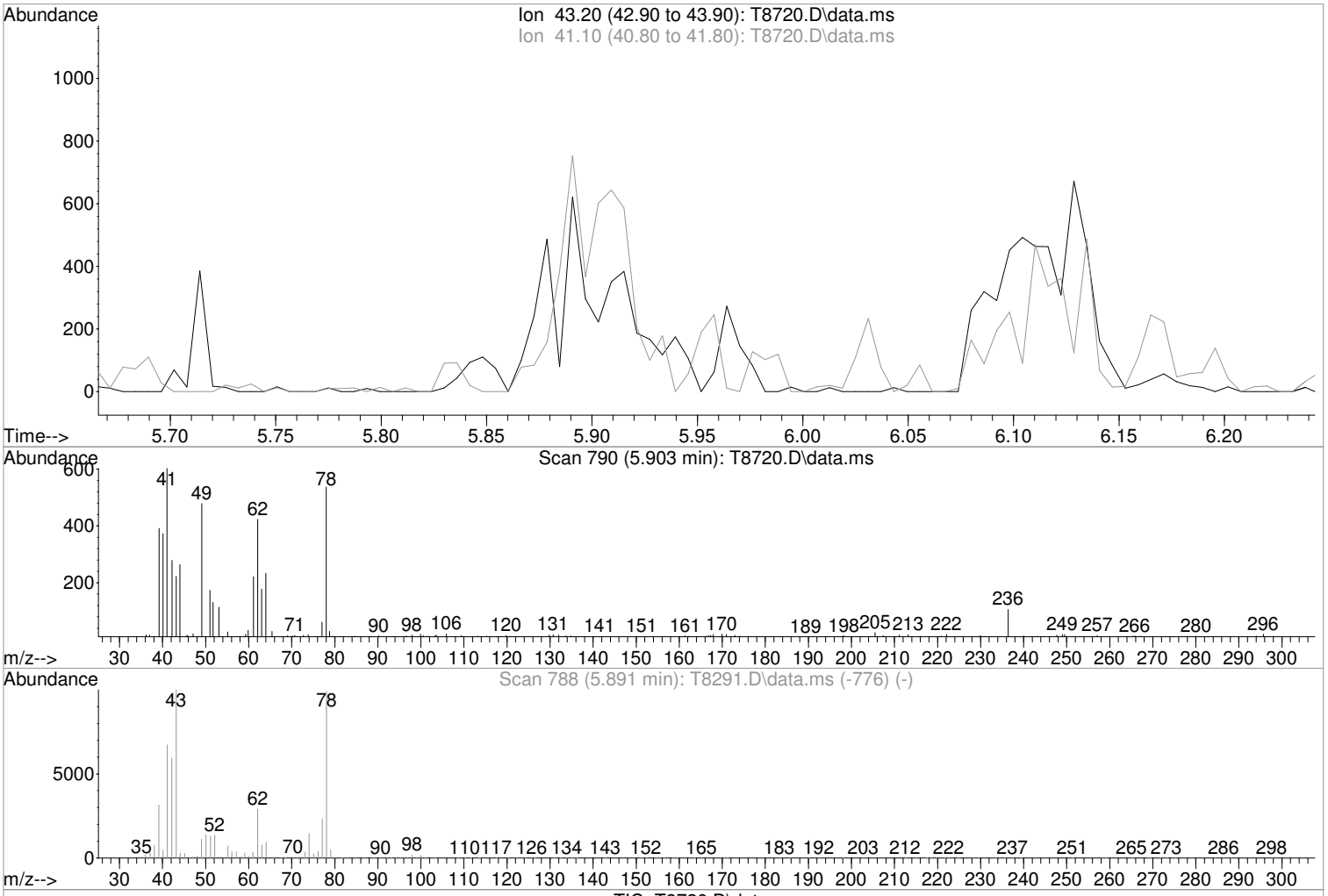
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(49) Iso-Butyl Alcohol

5.903min (-5.903) 0.00 ug/L

response 0

Ion	Exp%	Act%
43.20	100	0.00
41.10	67.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

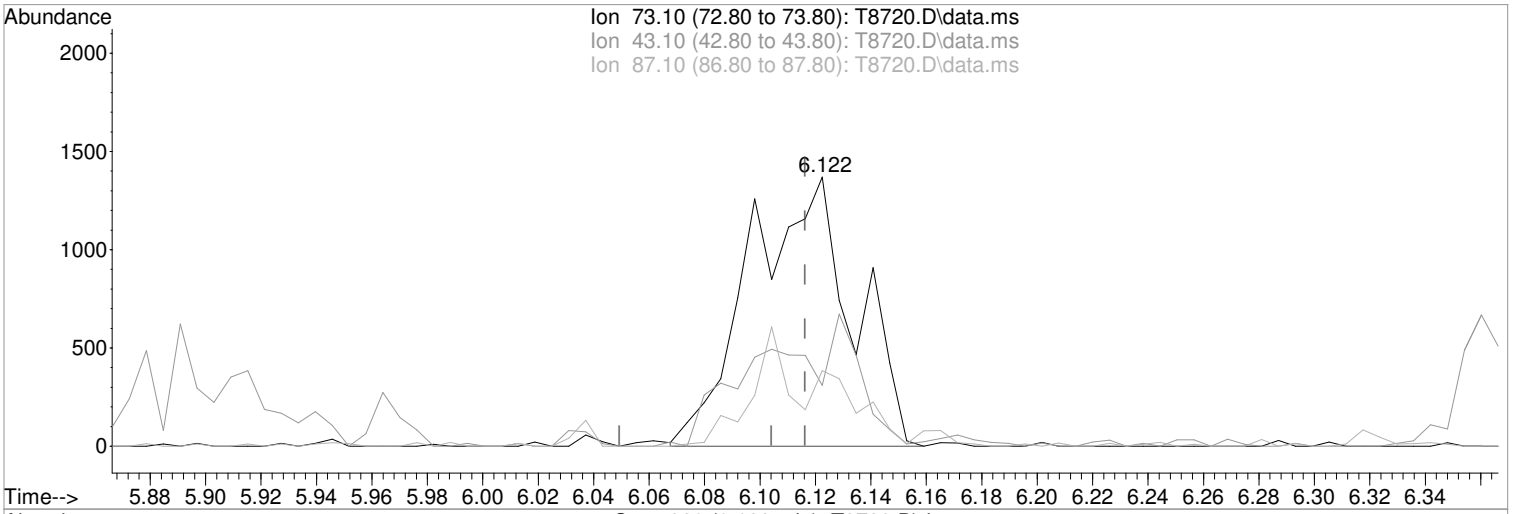
Before

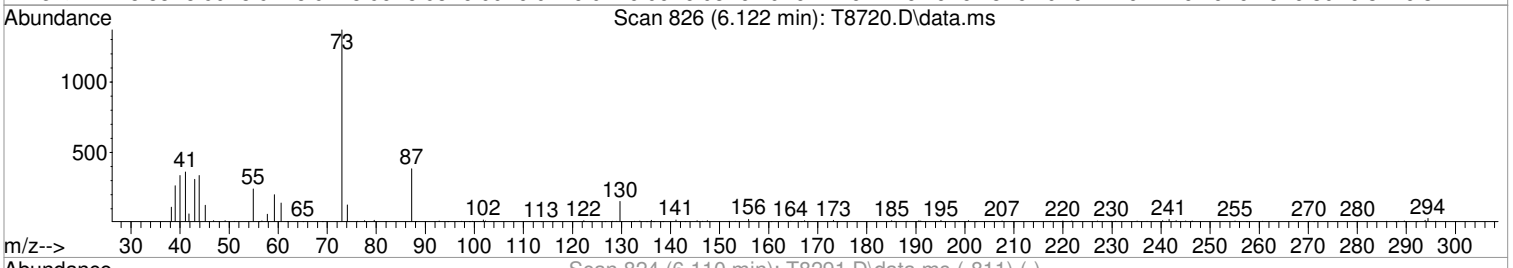
09/08/21

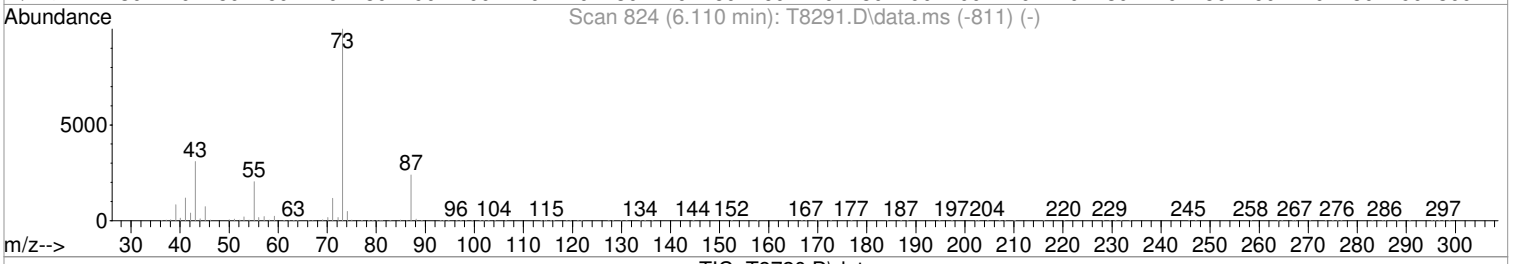
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(50) TAME

6.122min (+0.006) 0.46 ug/L m

response 3569

Ion	Exp%	Act%
73.10	100	100
43.10	31.40	22.57
87.10	23.90	28.12
0.00	0.00	0.00

Manual Integration:

After

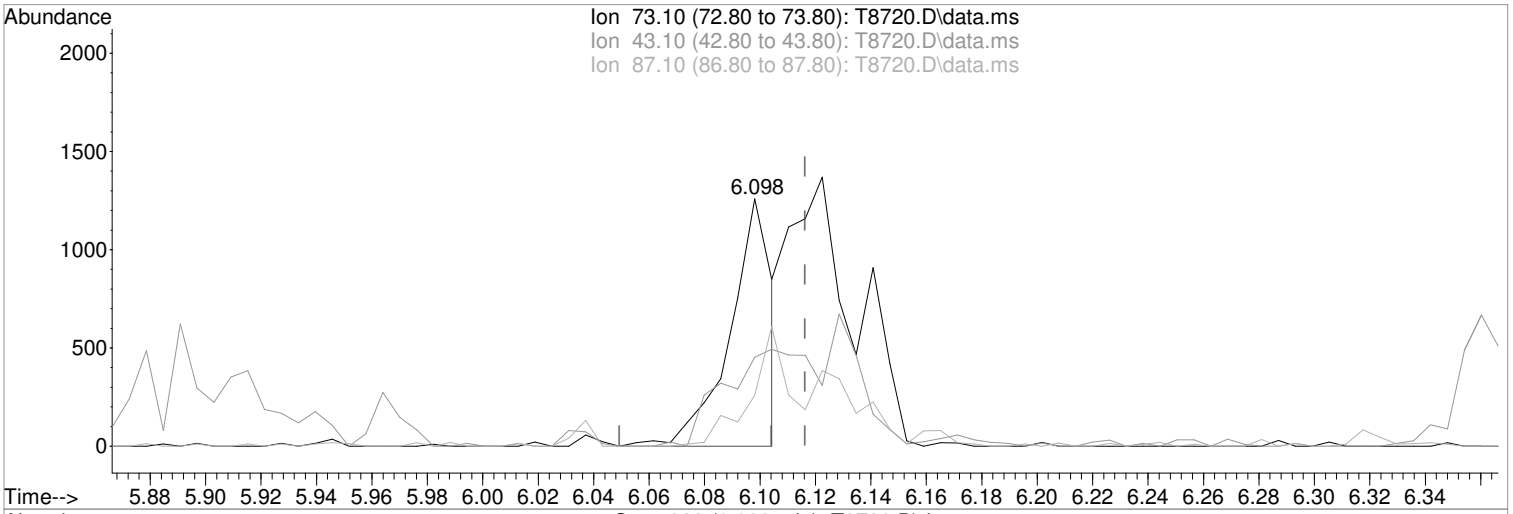
Poor integration.

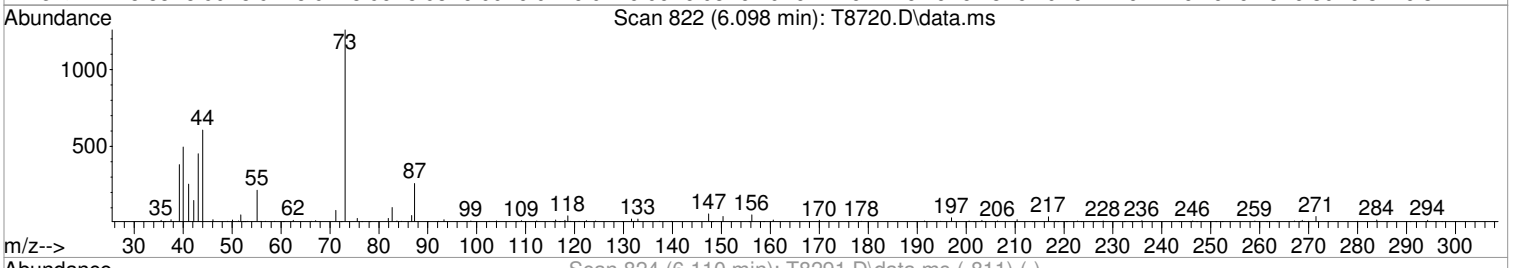
09/08/21

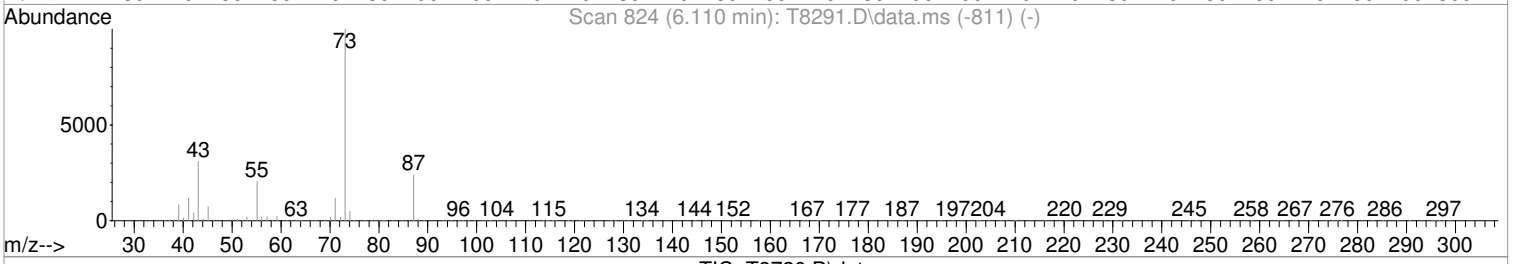
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(50) TAME

6.098min (-0.018) 0.17 ug/L

response 1321

Ion	Exp%	Act%
73.10	100	100
43.10	31.40	35.90
87.10	23.90	20.57
0.00	0.00	0.00

Manual Integration:

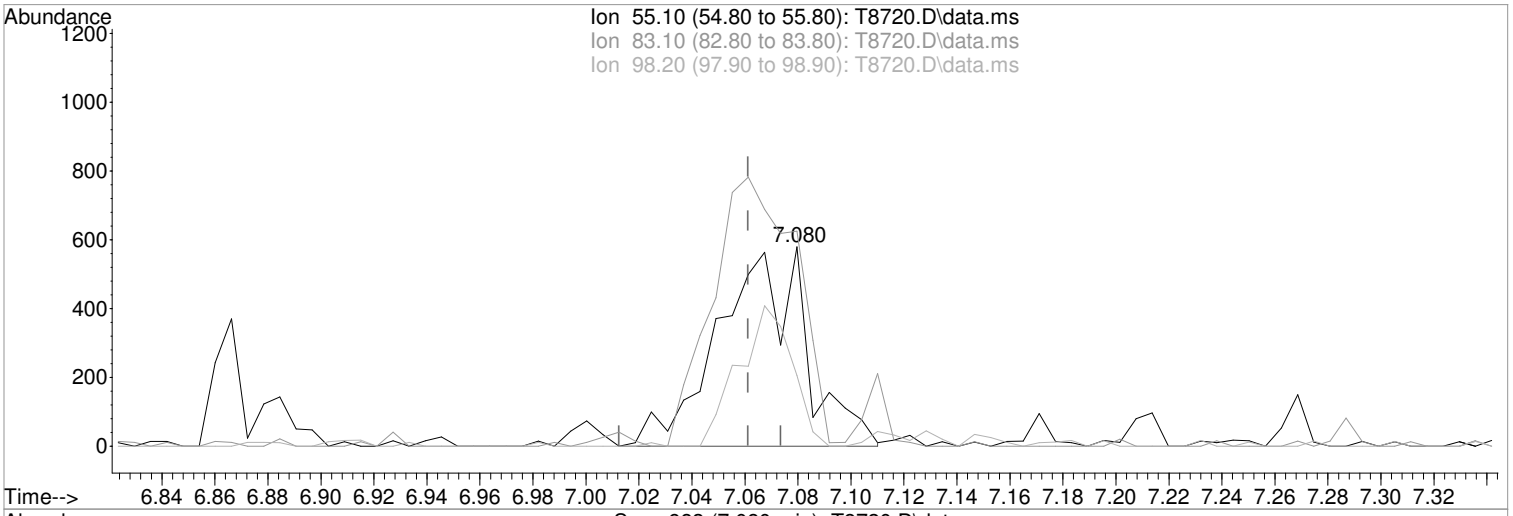
Before

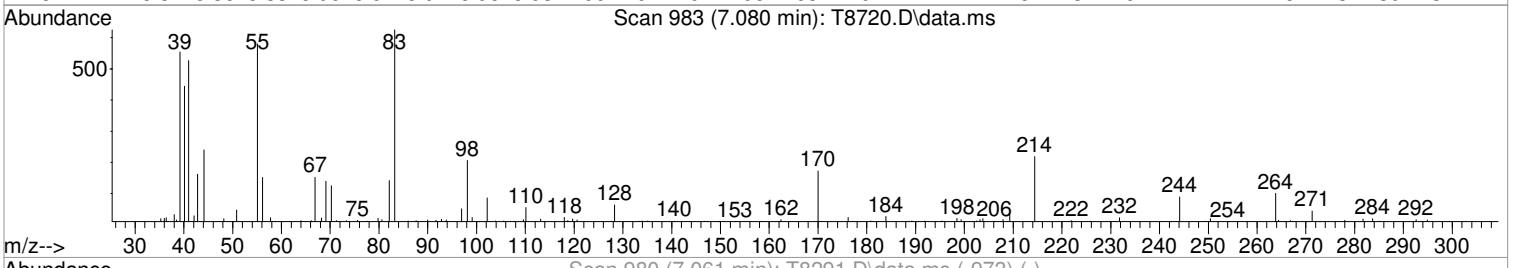
09/08/21

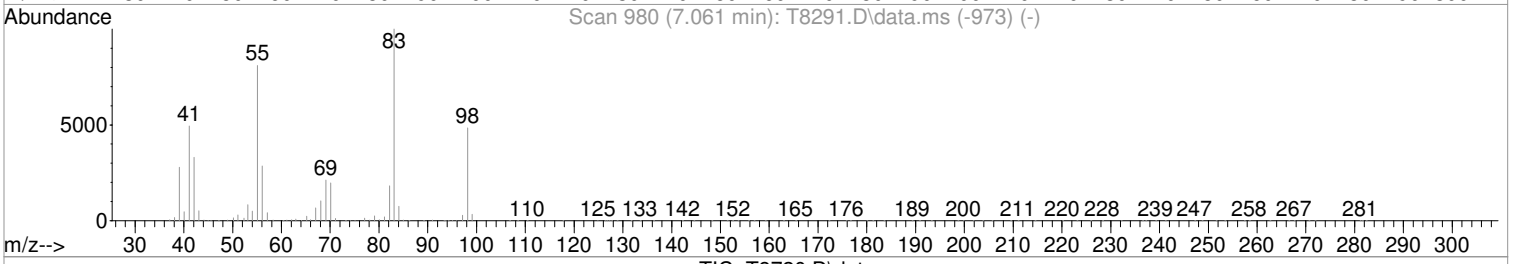
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(54) Methylcyclohexane (P)

7.080min (+0.018) 0.46 ug/L m

response 1307

Ion	Exp%	Act%
55.10	100	100
83.10	123.30	107.76
98.20	59.90	35.52#
0.00	0.00	0.00

Manual Integration:

After

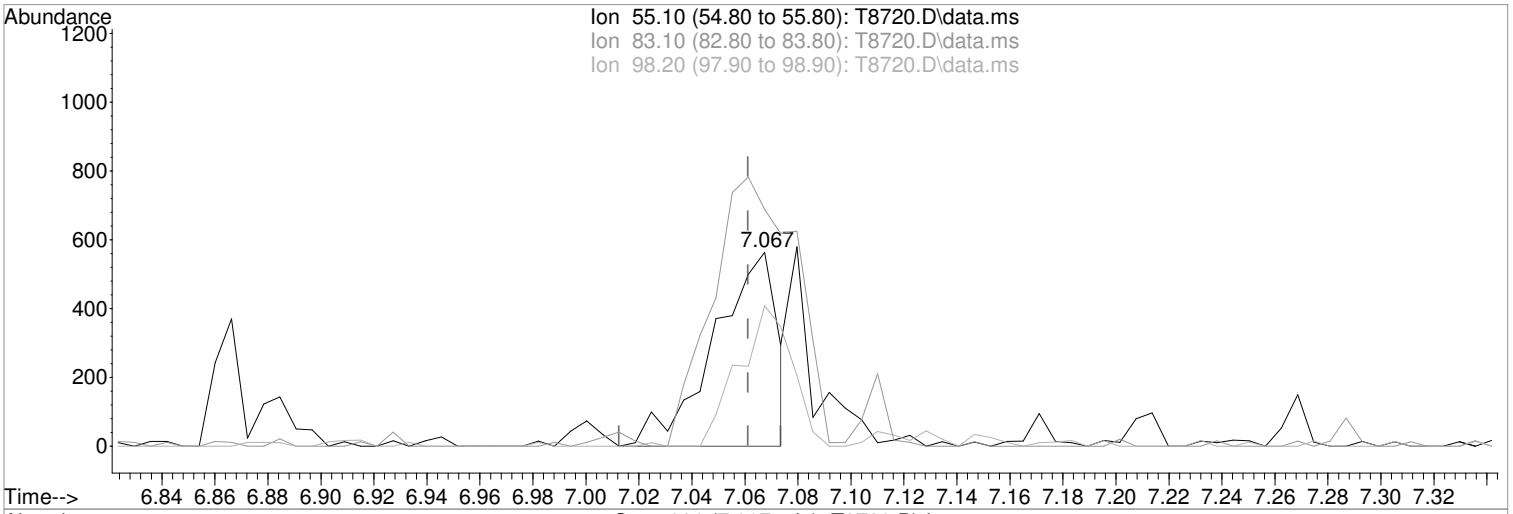
Poor integration.

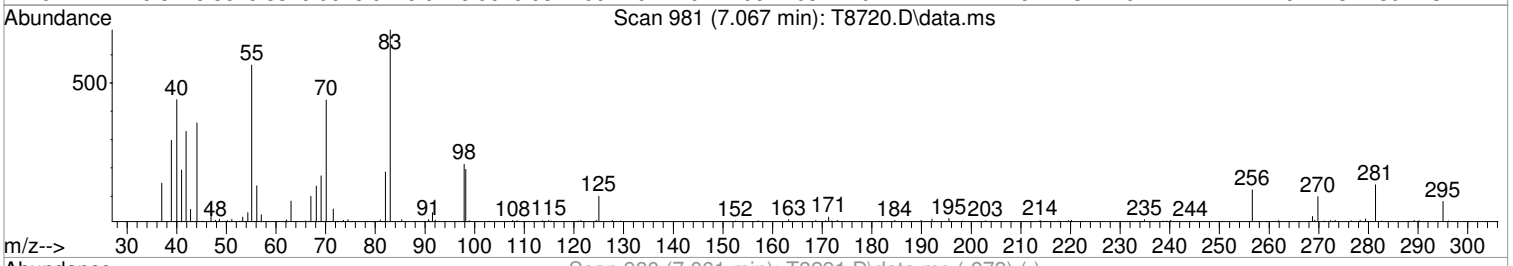
09/08/21

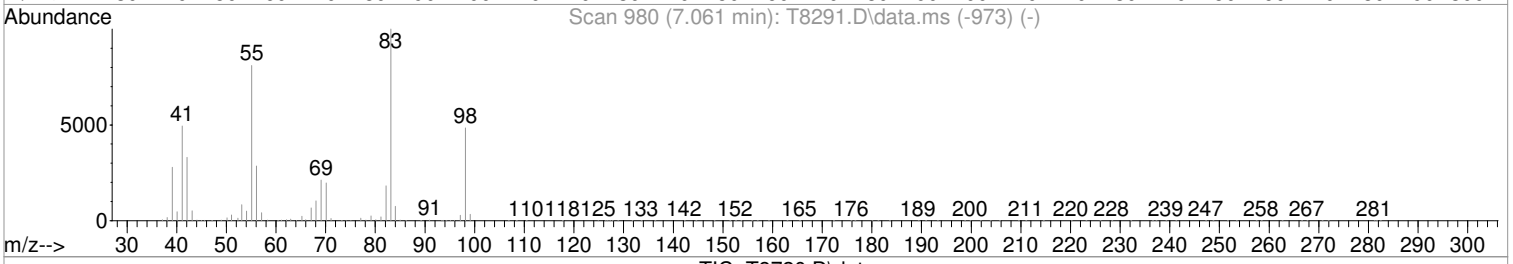
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(54) Methylcyclohexane (P)

7.067min (+0.006) 0.33 ug/L

response 935

Ion	Exp%	Act%
55.10	100	100
83.10	123.30	121.99
98.20	59.90	74.65
0.00	0.00	0.00

Manual Integration:

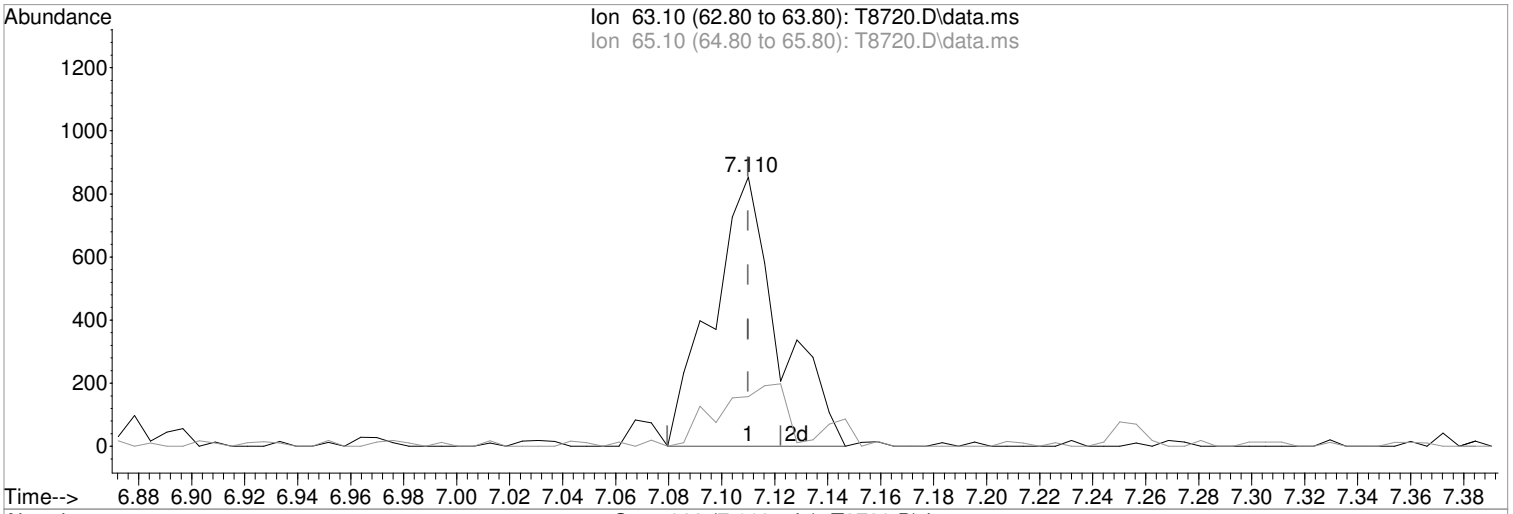
Before

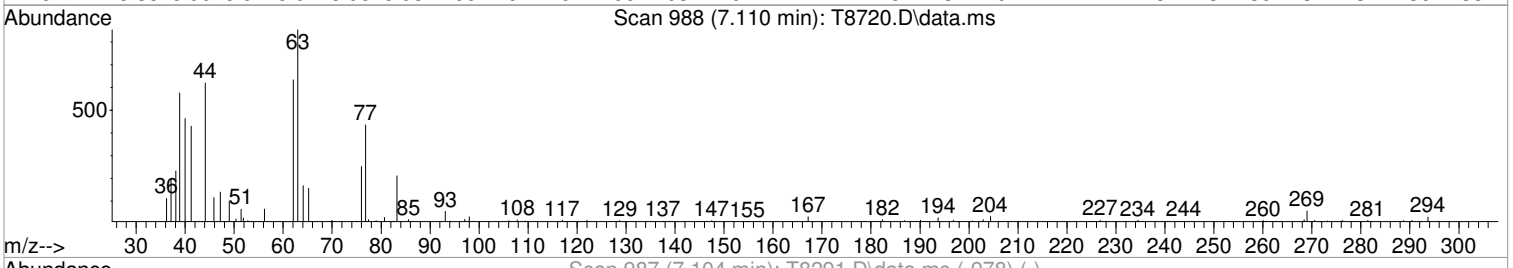
09/08/21

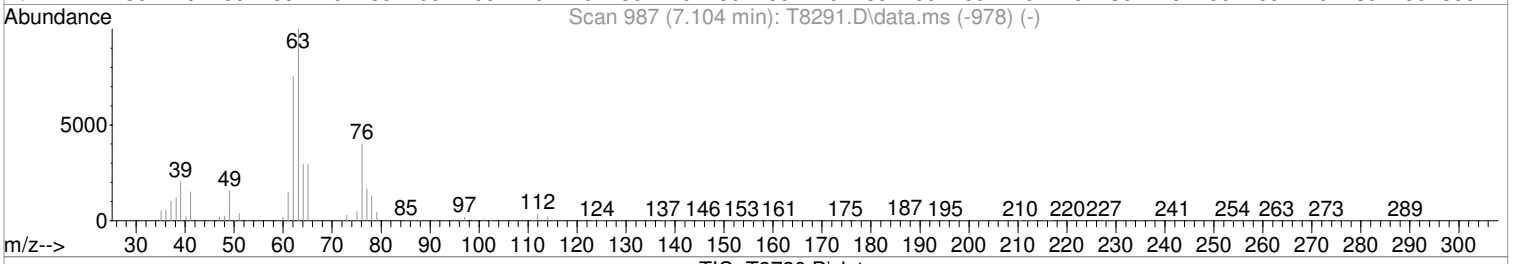
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(55) 1,2-Diclpropane (P)

7.110min (+0.000) 0.56 ug/L m

response 1498

Ion	Exp%	Act%
63.10	100	100
65.10	31.20	18.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

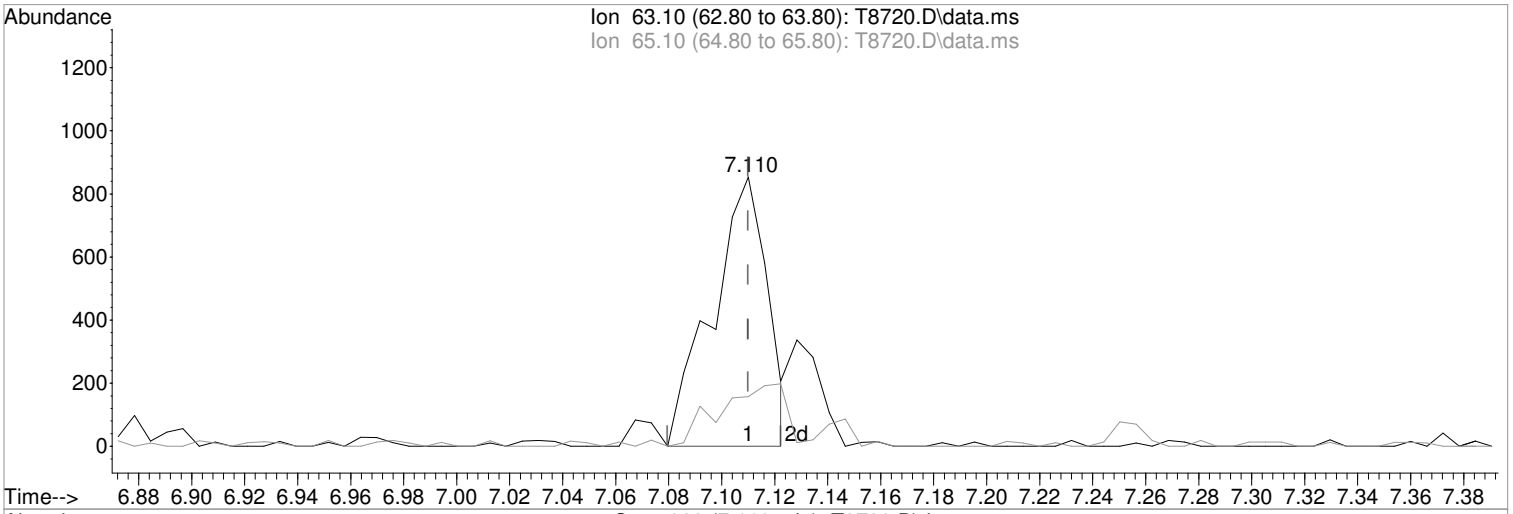
Poor integration.

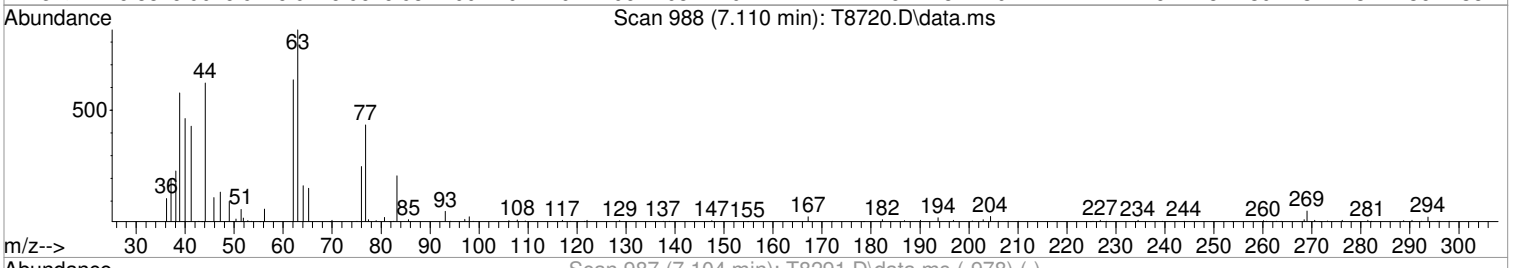
09/08/21

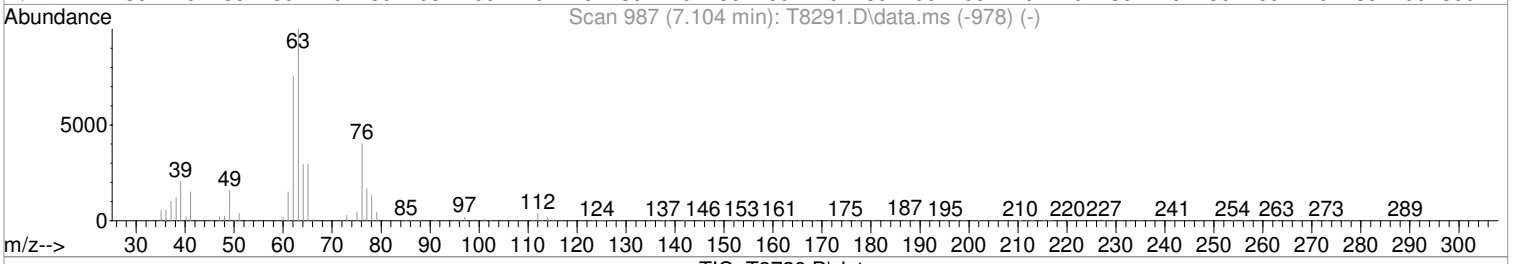
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(55) 1,2-Diclpropane (P)

7.110min (+0.000) 0.46 ug/L

response 1232

Ion	Exp%	Act%
63.10	100	100
65.10	31.20	18.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

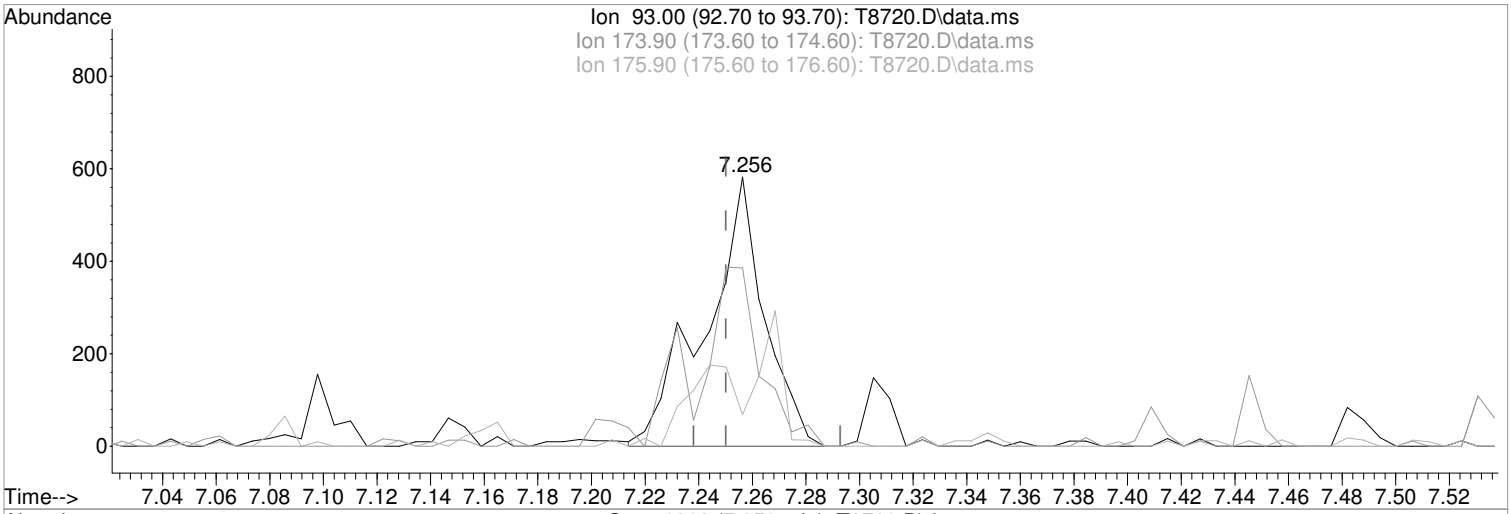
Before

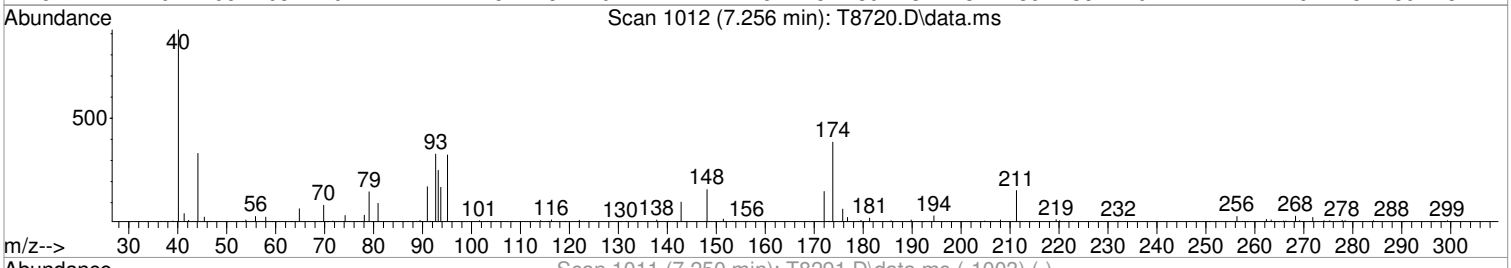
09/08/21

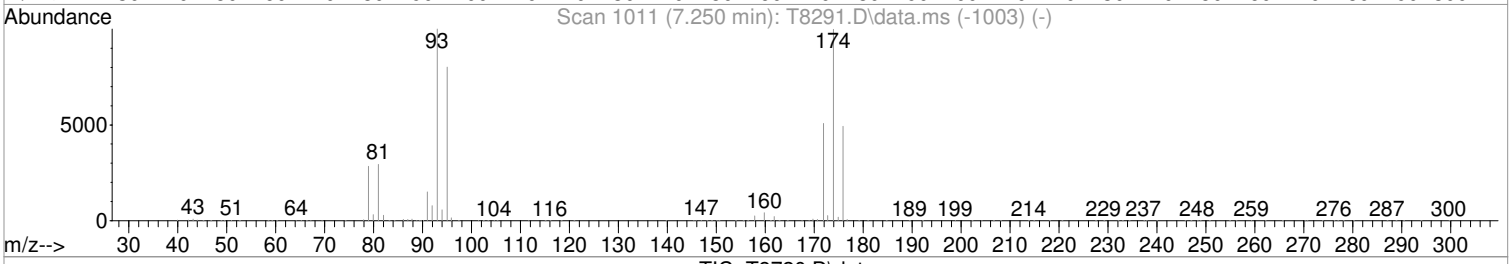
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(56) Dibromomethane

7.256min (+0.006) 0.50 ug/L m

response 889

Ion	Exp%	Act%
93.00	100	100
173.90	99.70	116.97
175.90	49.30	20.91#
0.00	0.00	0.00

Manual Integration:

After

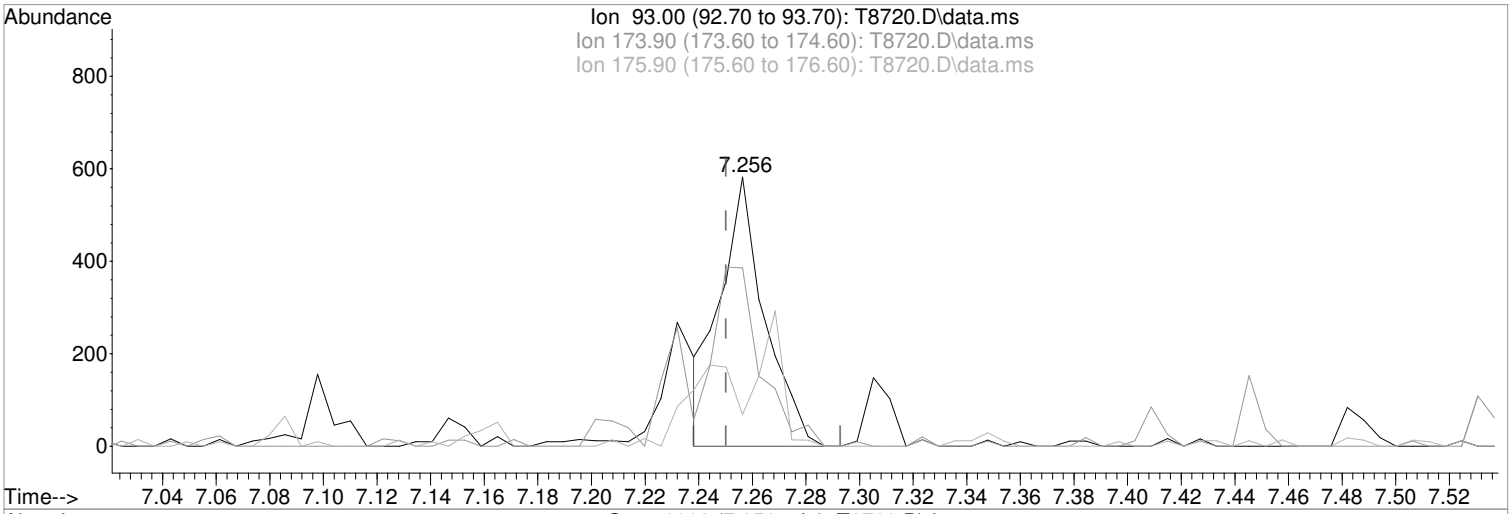
Poor integration.

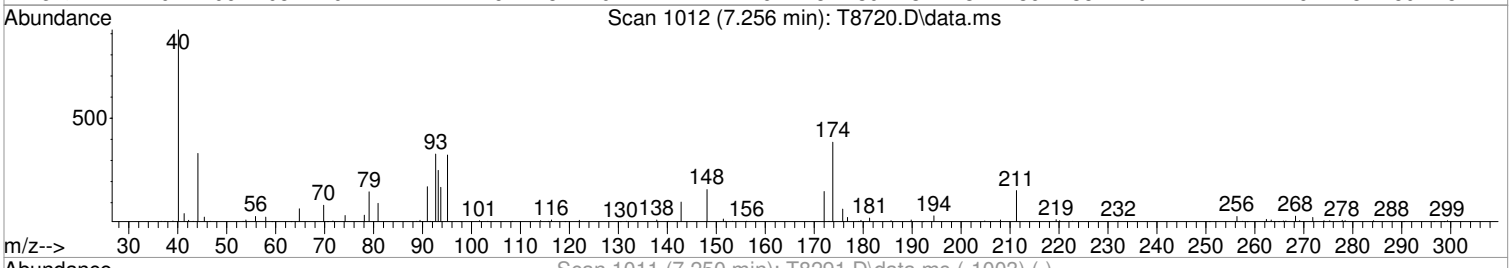
09/08/21

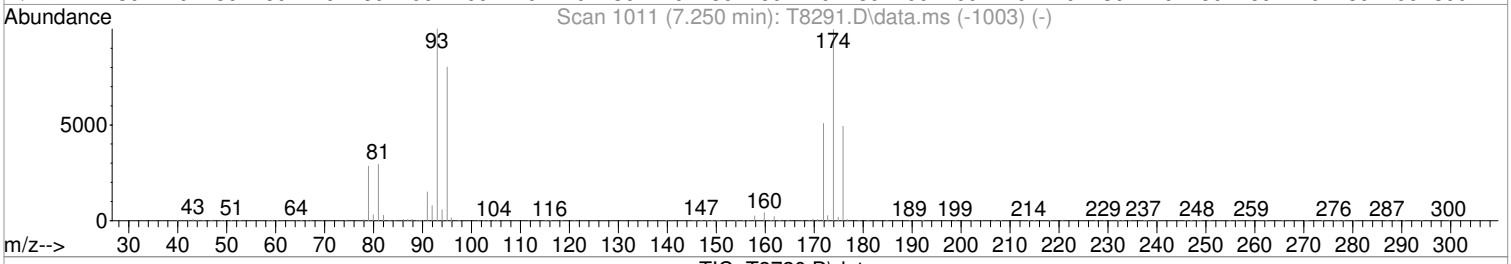
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(56) Dibromomethane

7.256min (+0.006) 0.38 ug/L

response 671

Ion	Exp%	Act%
93.00	100	100
173.90	99.70	51.13#
175.90	49.30	9.14#
0.00	0.00	0.00

Manual Integration:

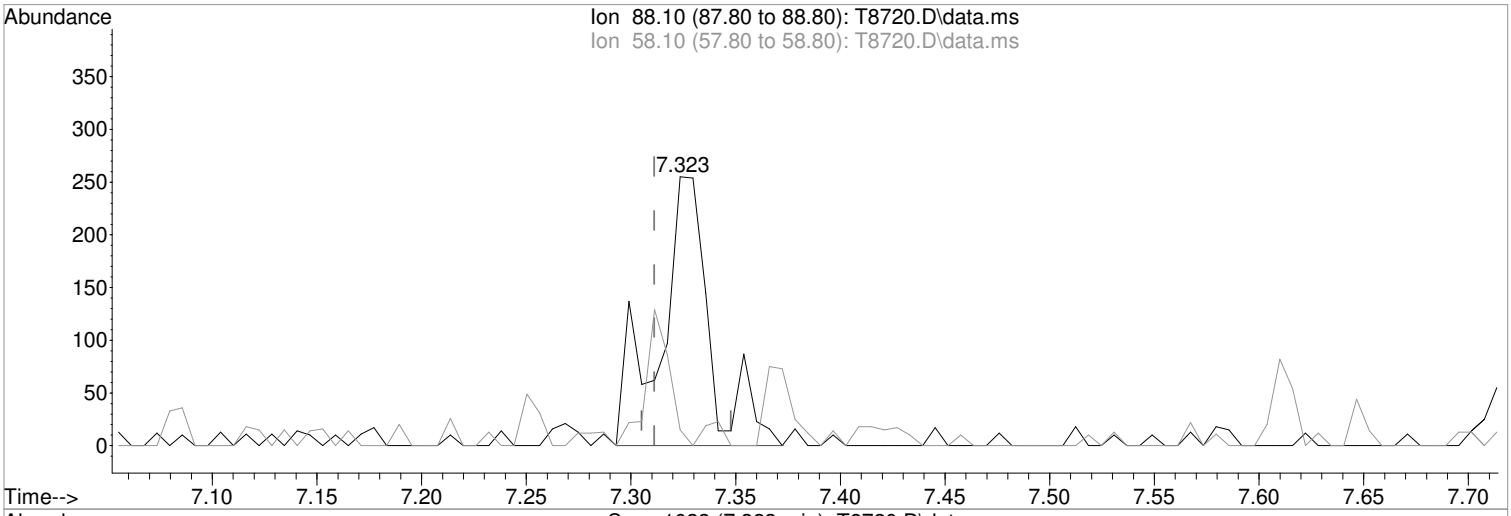
Before

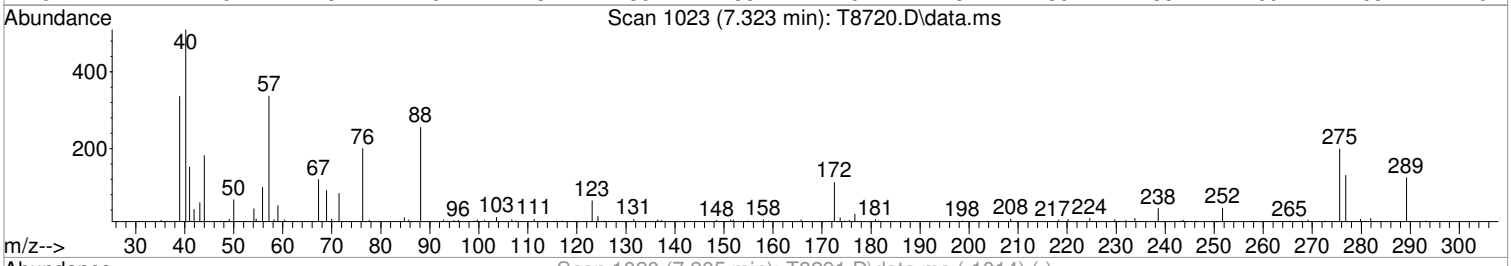
09/08/21

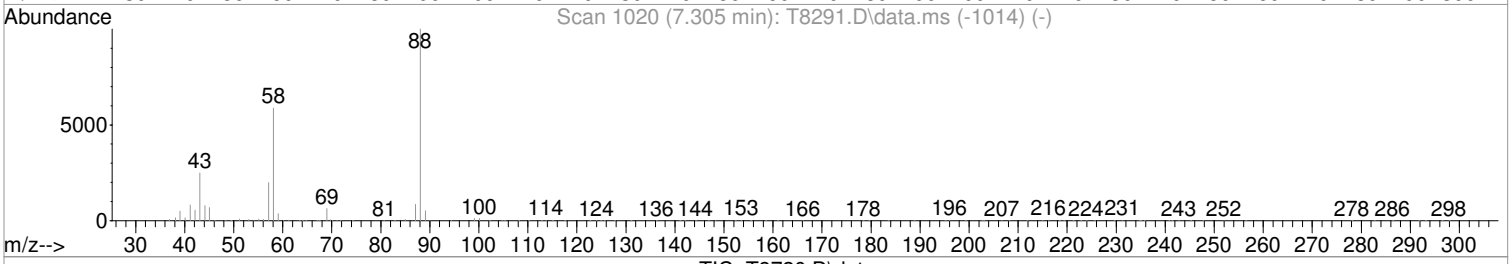
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(57) 1,4-Dioxane

7.323min (+0.012) 6.90 ug/L m

response 425

Ion	Exp%	Act%
88.10	100	100
58.10	58.50	5.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

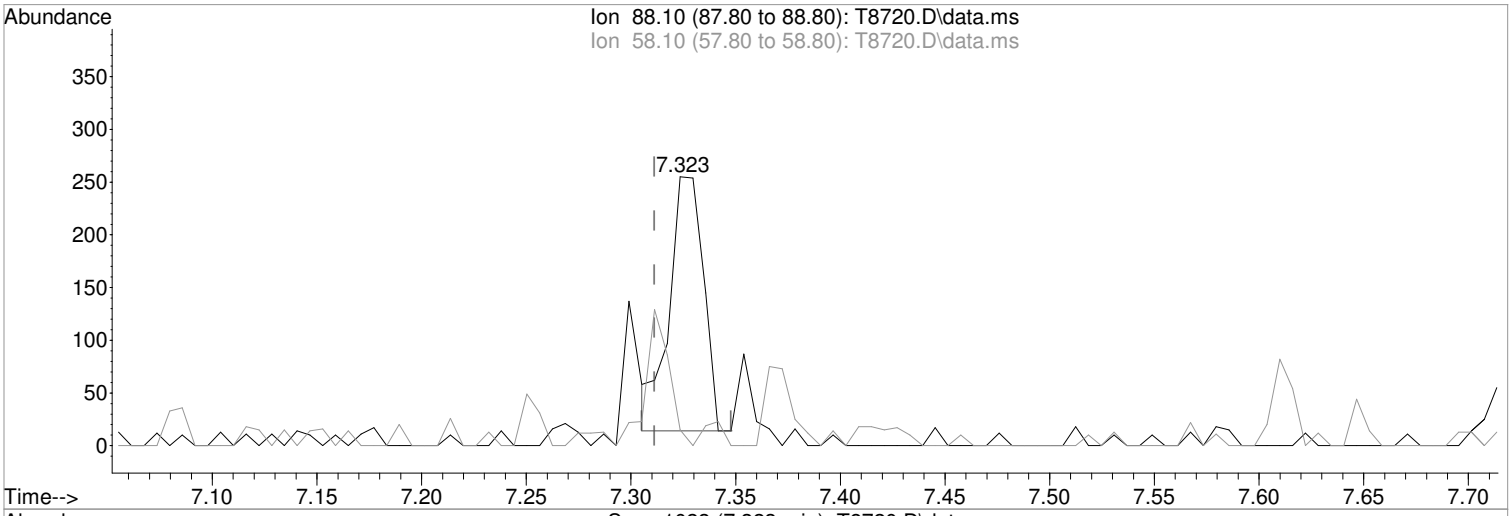
Poor integration.

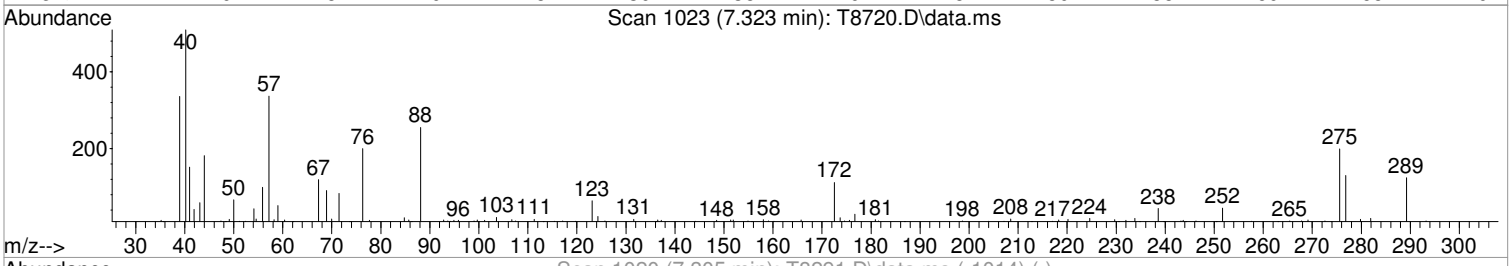
09/08/21

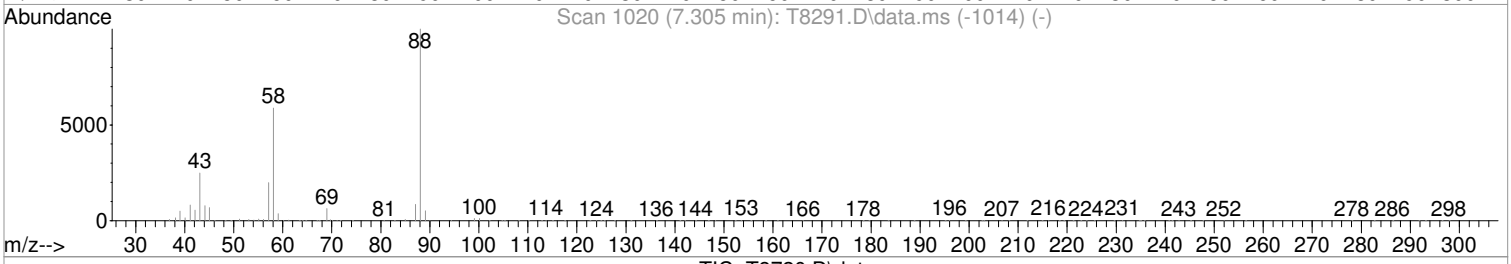
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(57) 1,4-Dioxane

7.323min (+0.012) 4.42 ug/L

response 272

Ion	Exp%	Act%
88.10	100	100
58.10	58.50	5.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

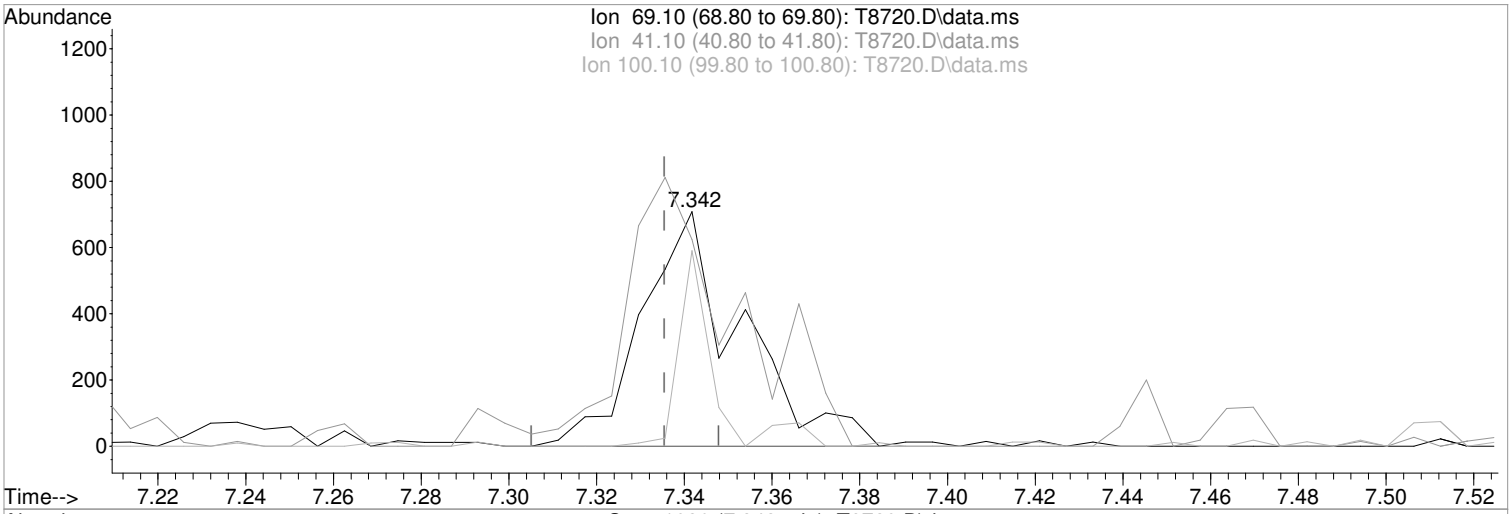
Before

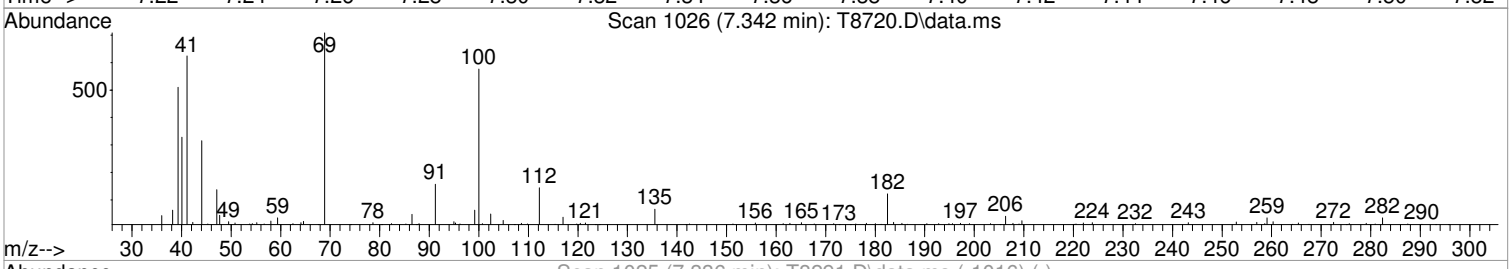
09/08/21

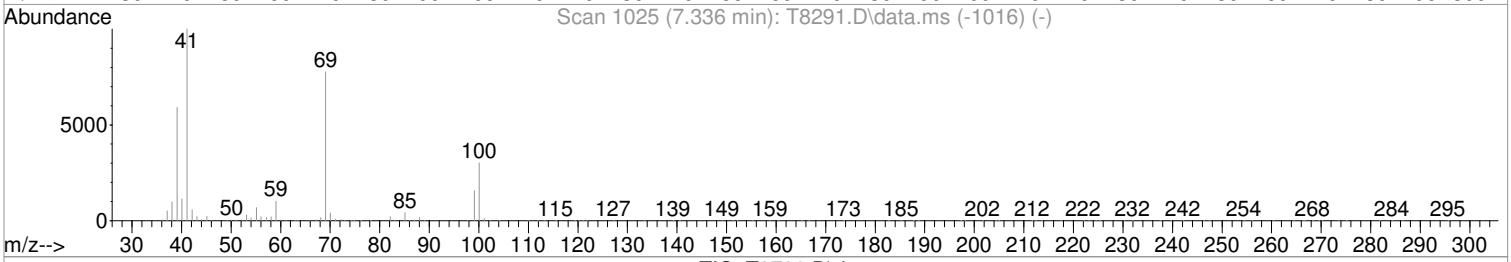
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.006) 0.46 ug/L m

response 1105

Ion	Exp%	Act%
69.10	100	100
41.10	129.20	88.14#
100.10	38.80	81.36#
0.00	0.00	0.00

Manual Integration:

After

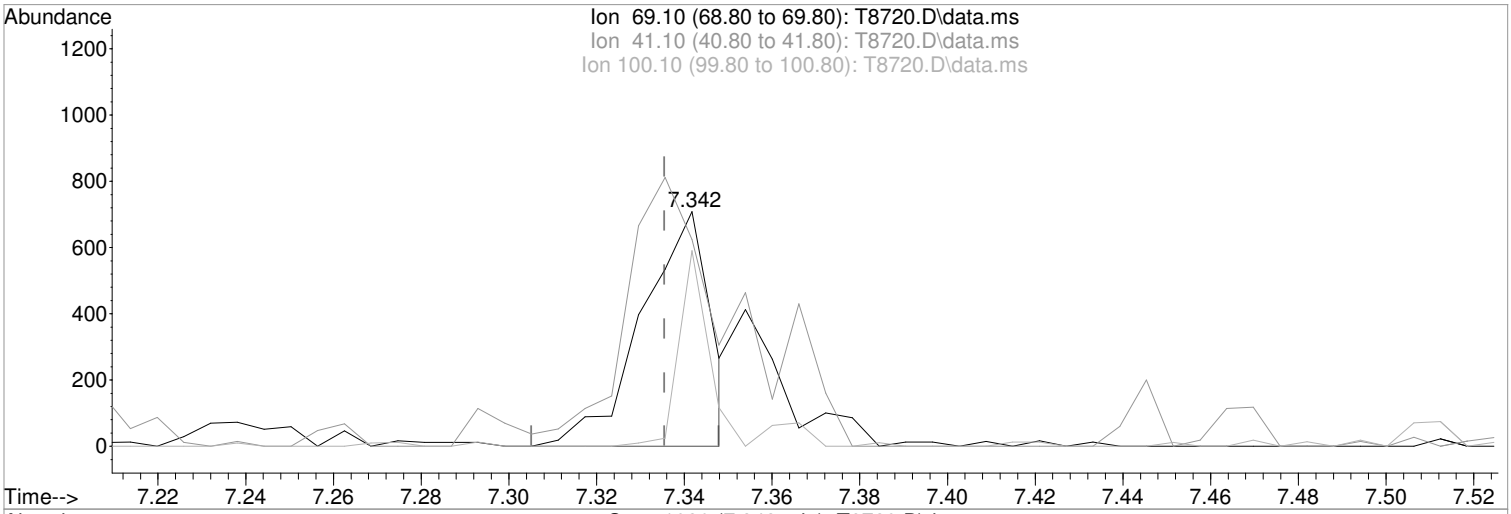
Poor integration.

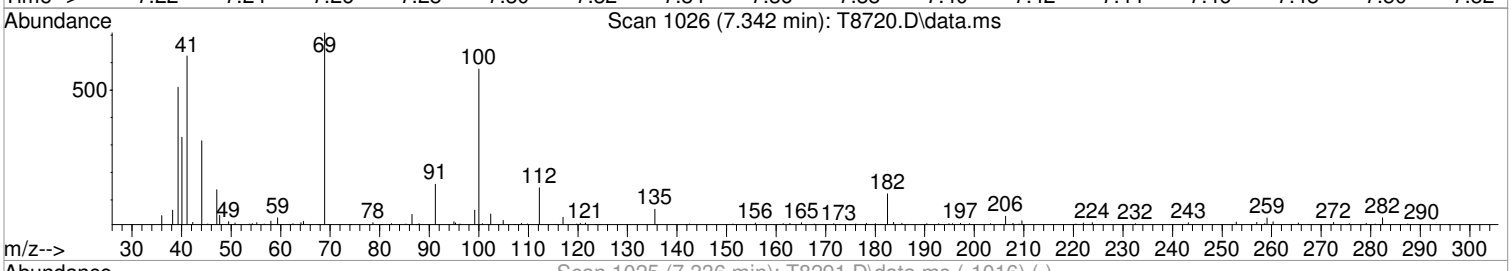
09/08/21

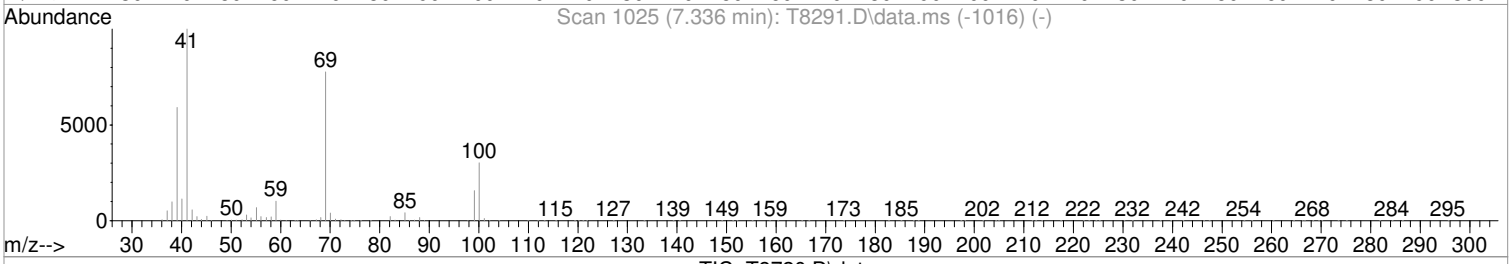
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.006) 0.32 ug/L

response 770

Ion	Exp%	Act%
69.10	100	100
41.10	129.20	88.14#
100.10	38.80	83.33#
0.00	0.00	0.00

Manual Integration:

Before

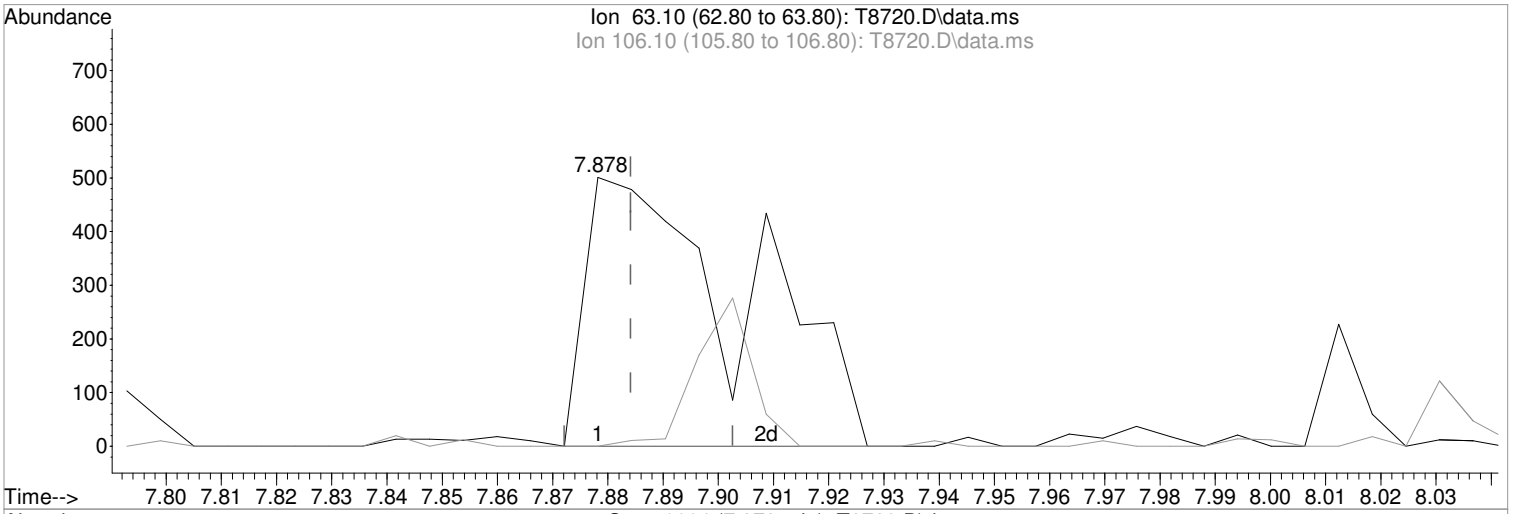
09/08/21

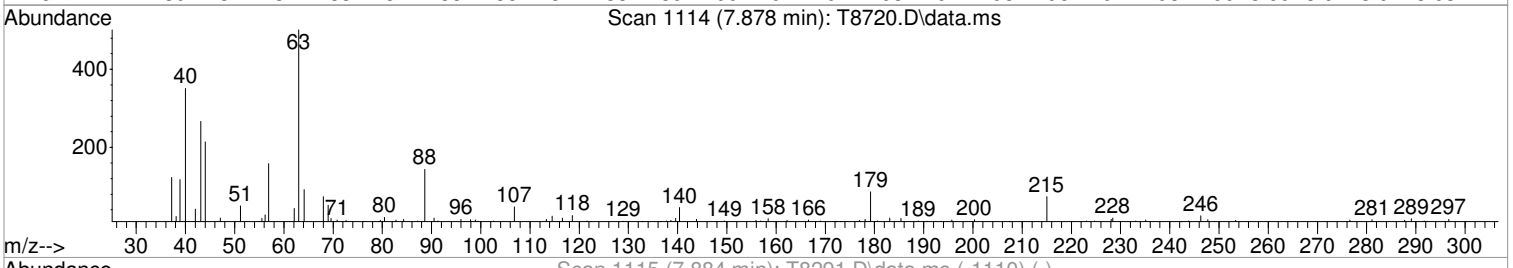
1st FN 09/08/21
2nd 09/08/21

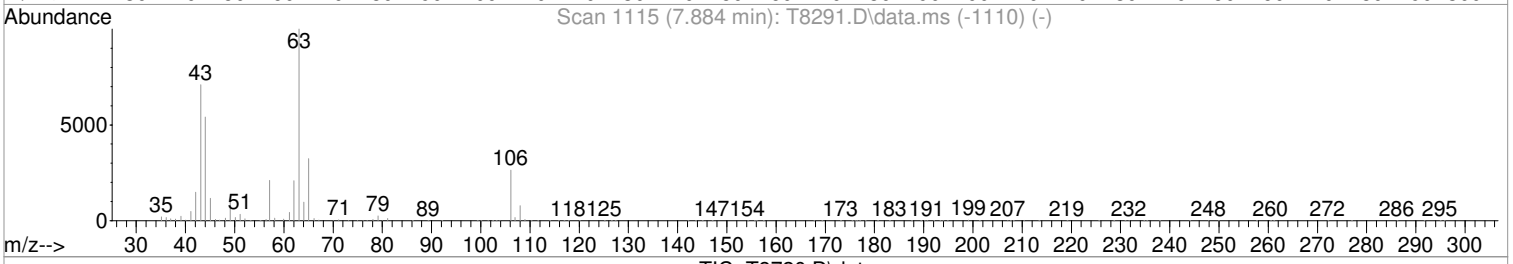
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.878min (-0.006) 0.60 ug/L m

response 1003

Ion	Exp%	Act%
63.10	100	100
106.10	26.60	9.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

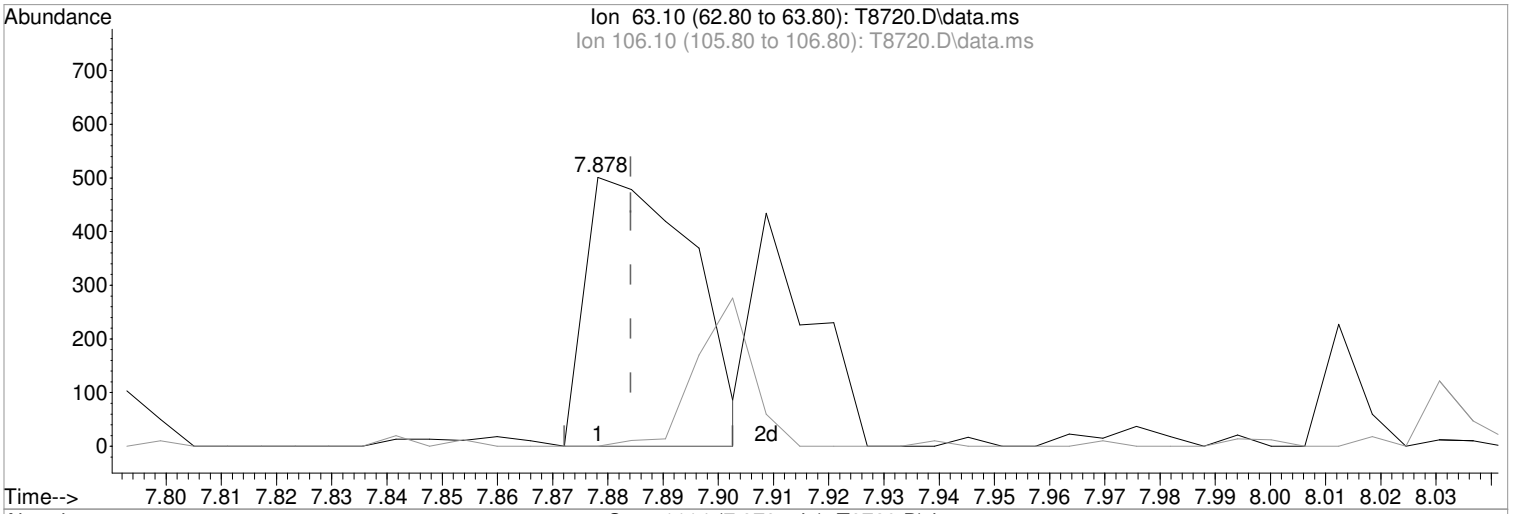
Poor integration.

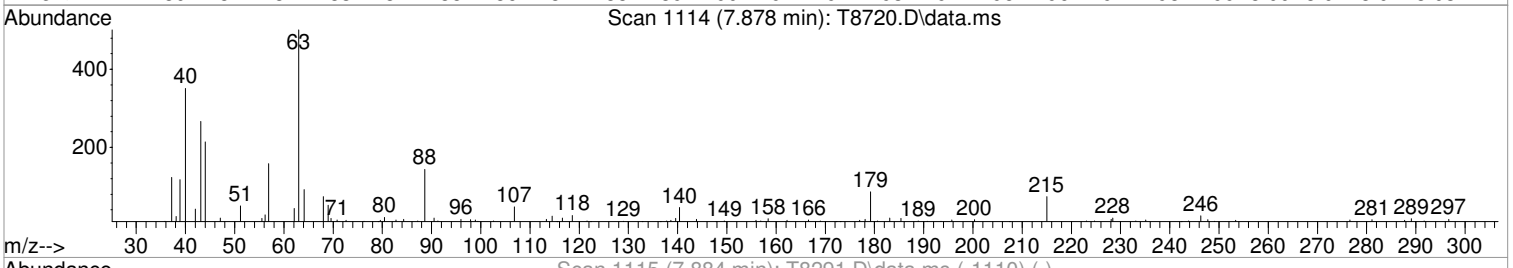
09/08/21

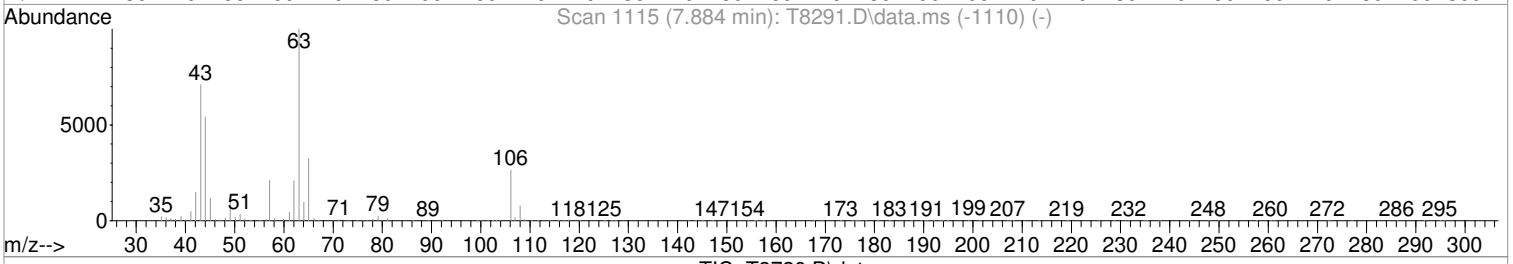
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.878min (-0.006) 0.41 ug/L

response 678

Ion	Exp%	Act%
63.10	100	100
106.10	26.60	9.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

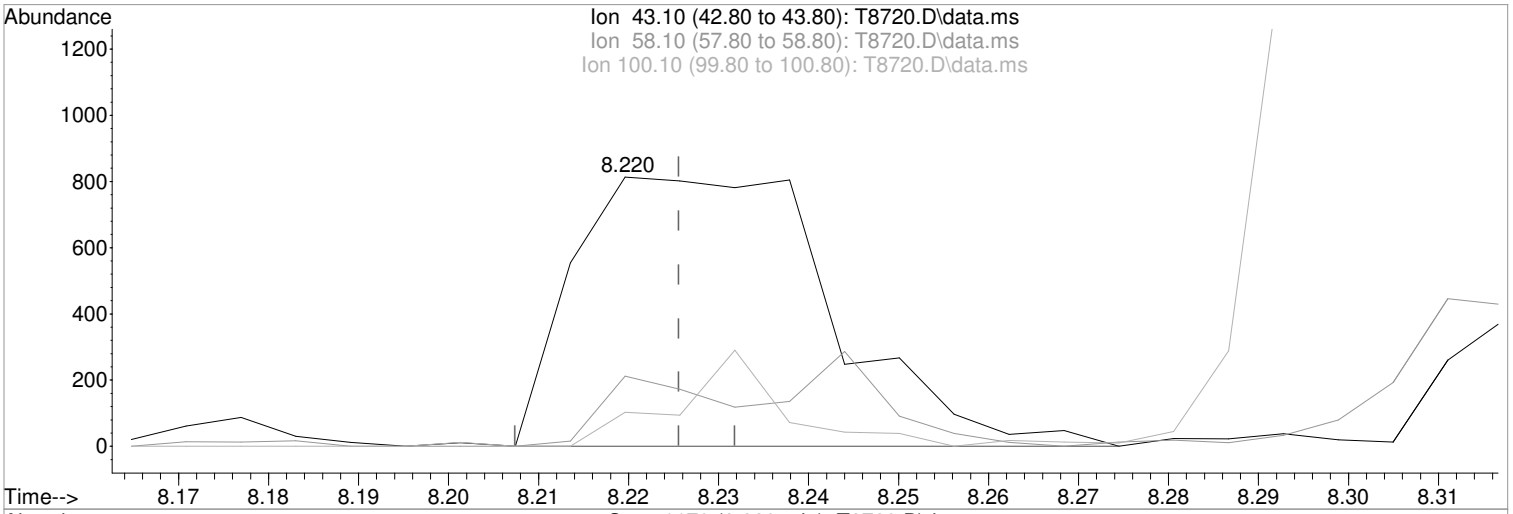
Before

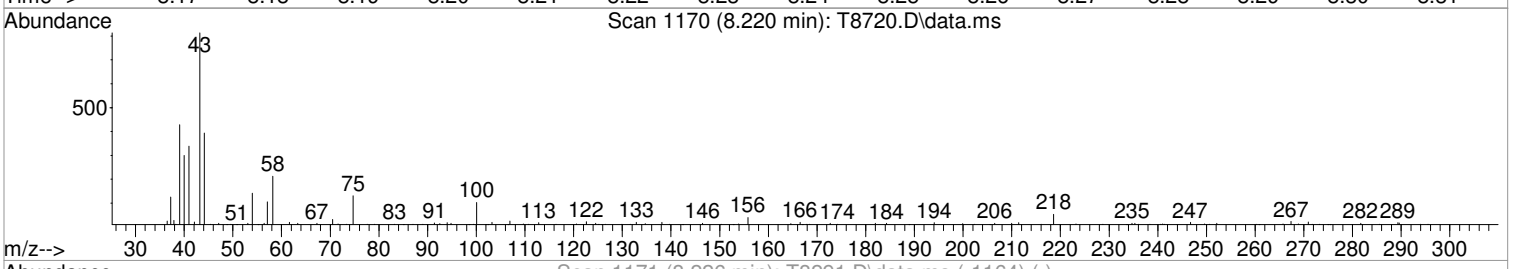
09/08/21

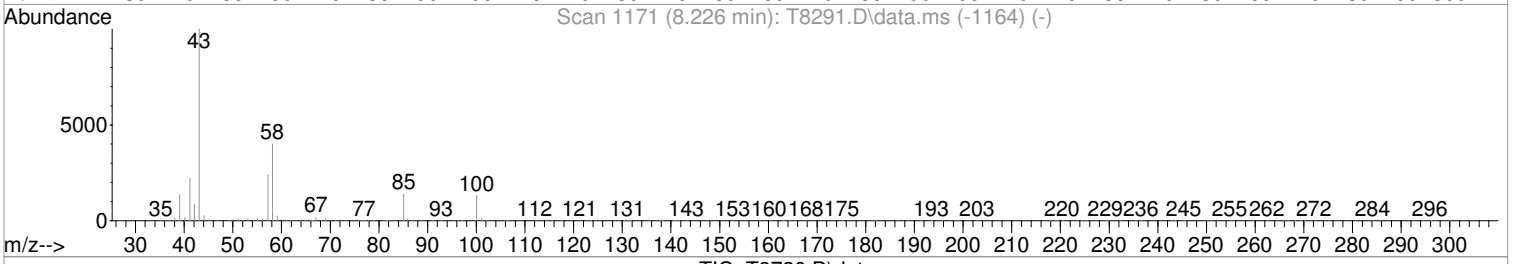
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(63) 4-Methyl-2-pentanone (P)

8.220min (-0.006) 0.42 ug/L m

response 1628

Ion	Exp%	Act%
43.10	100	100
58.10	39.80	26.08
100.10	13.10	12.67
0.00	0.00	0.00

Manual Integration:

After

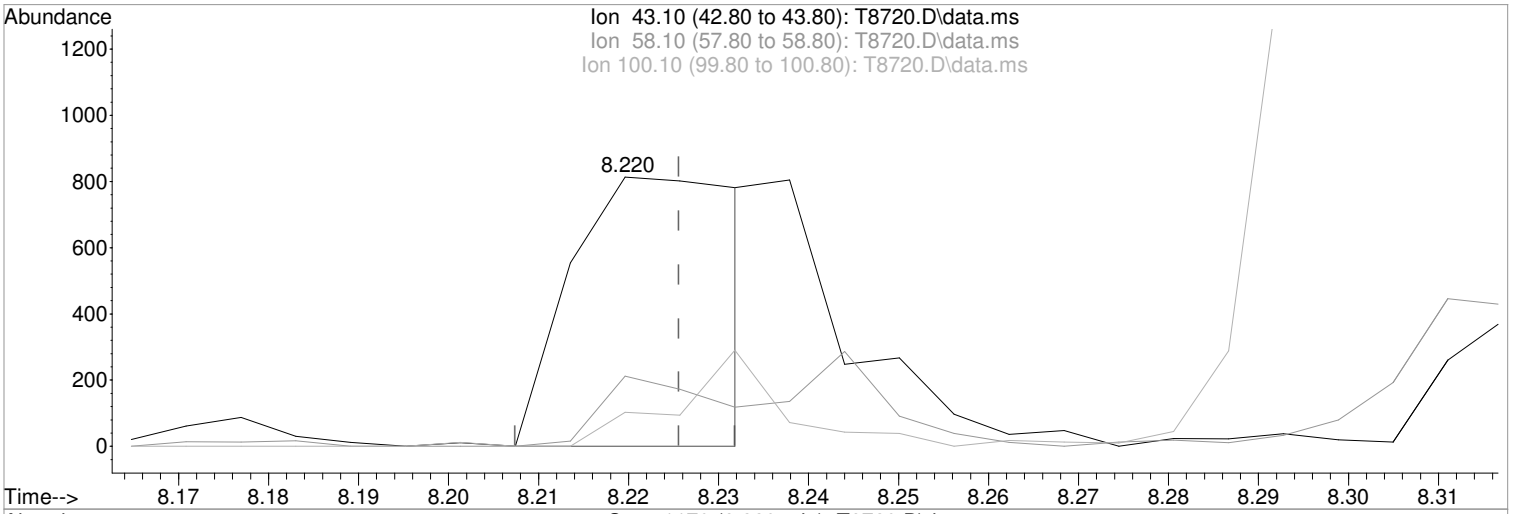
Poor integration.

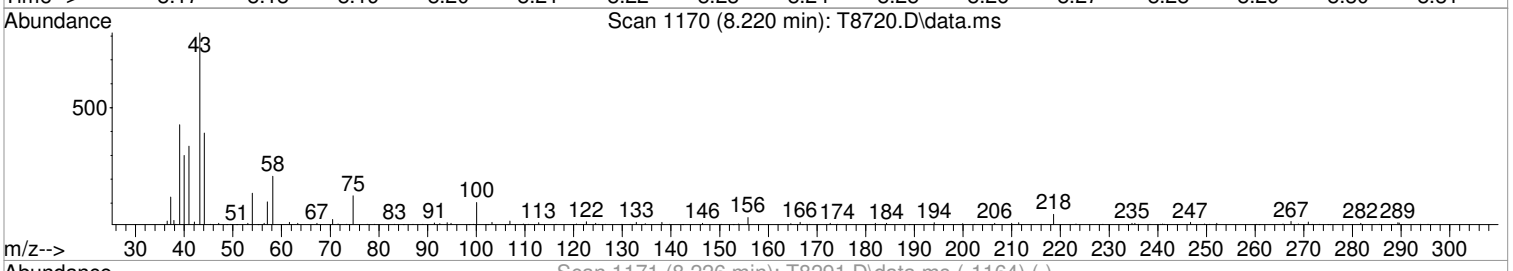
09/08/21

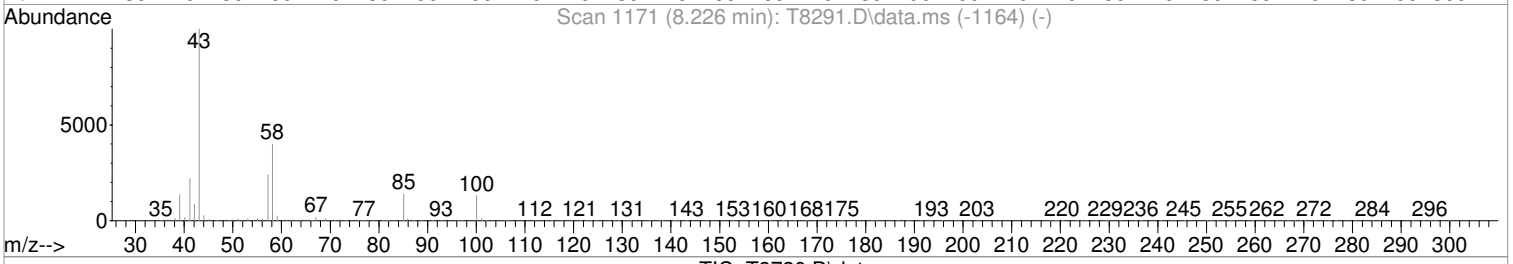
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(63) 4-Methyl-2-pentanone (P)

8.220min (-0.006) 0.28 ug/L

response 1079

Ion	Exp%	Act%
43.10	100	100
58.10	39.80	26.08
100.10	13.10	12.67
0.00	0.00	0.00

Manual Integration:

Before

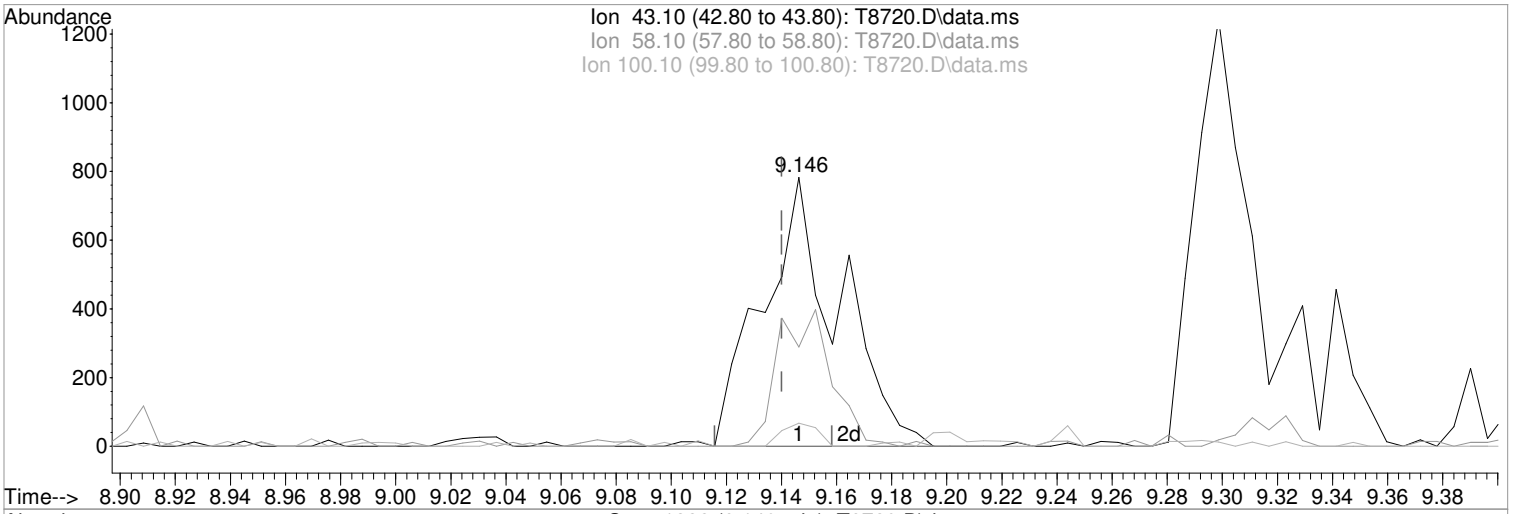
09/08/21

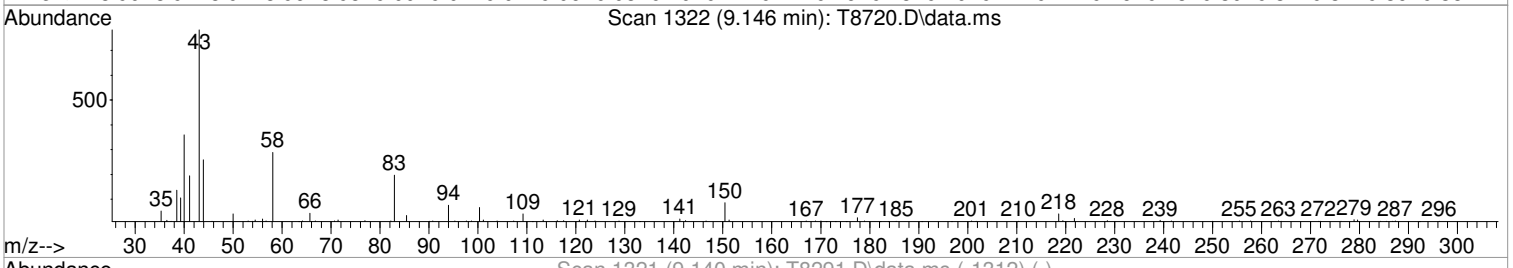
1st FN 09/08/21
2nd 09/08/21

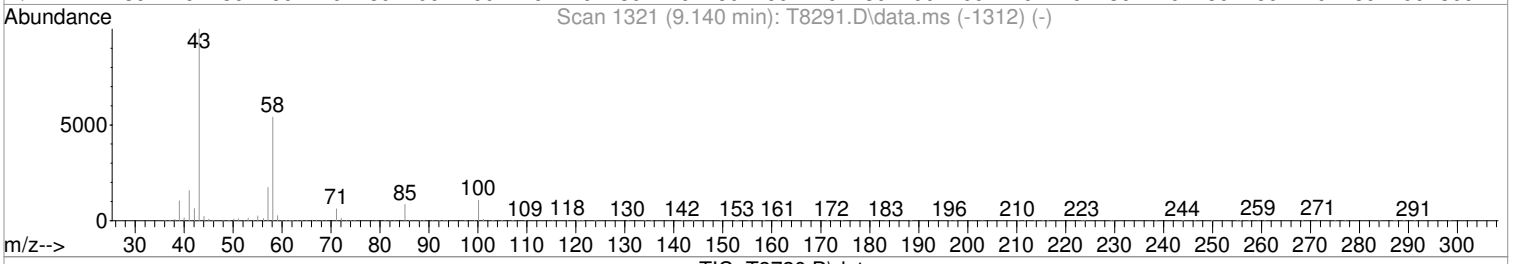
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(72) 2-Hexanone (P)

9.146min (+0.006) 0.54 ug/L m

response 1513

Ion	Exp%	Act%
43.10	100	100
58.10	54.00	36.91
100.10	10.60	8.56
0.00	0.00	0.00

Manual Integration:

After

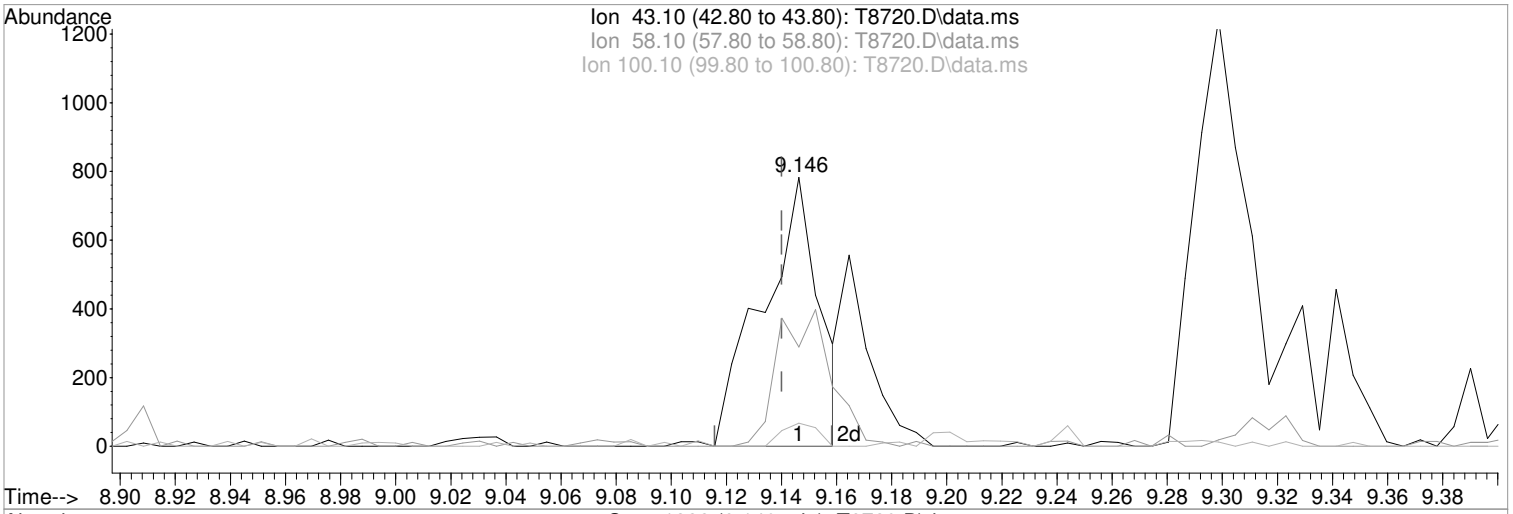
Poor integration.

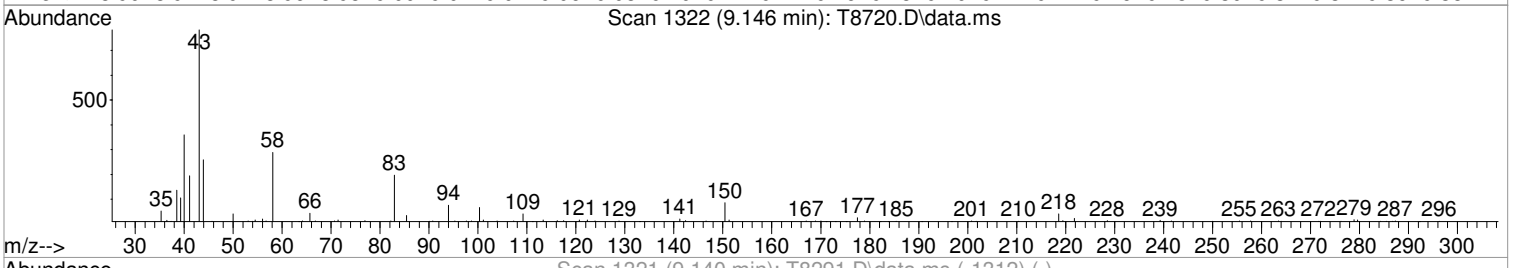
09/08/21

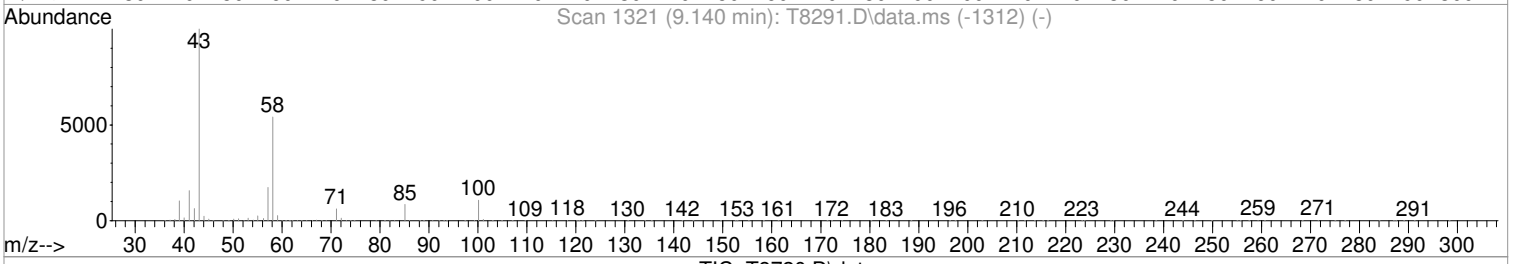
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(72) 2-Hexanone (P)

9.146min (+0.006) 0.39 ug/L

response 1114

Ion	Exp%	Act%
43.10	100	100
58.10	54.00	36.91
100.10	10.60	8.56
0.00	0.00	0.00

Manual Integration:

Before

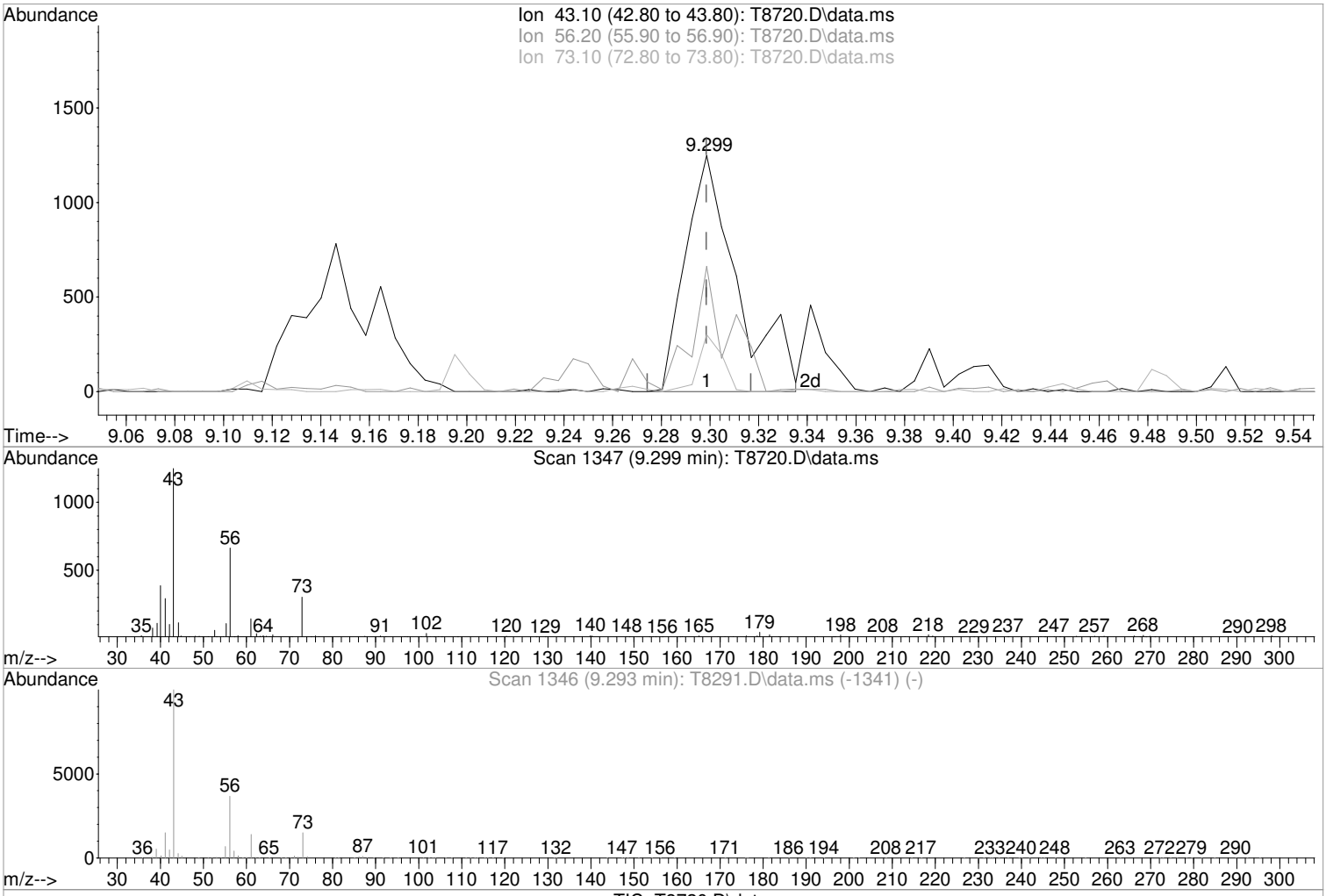
09/08/21

1st FN 09/08/21
2nd 09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(75) N-Butyl Acetate

9.299min (+0.000) 0.34 ug/L m

response 1858

Ion	Exp%	Act%
43.10	100	100
56.20	36.80	53.08
73.10	14.90	24.18
0.00	0.00	0.00

Manual Integration:

After

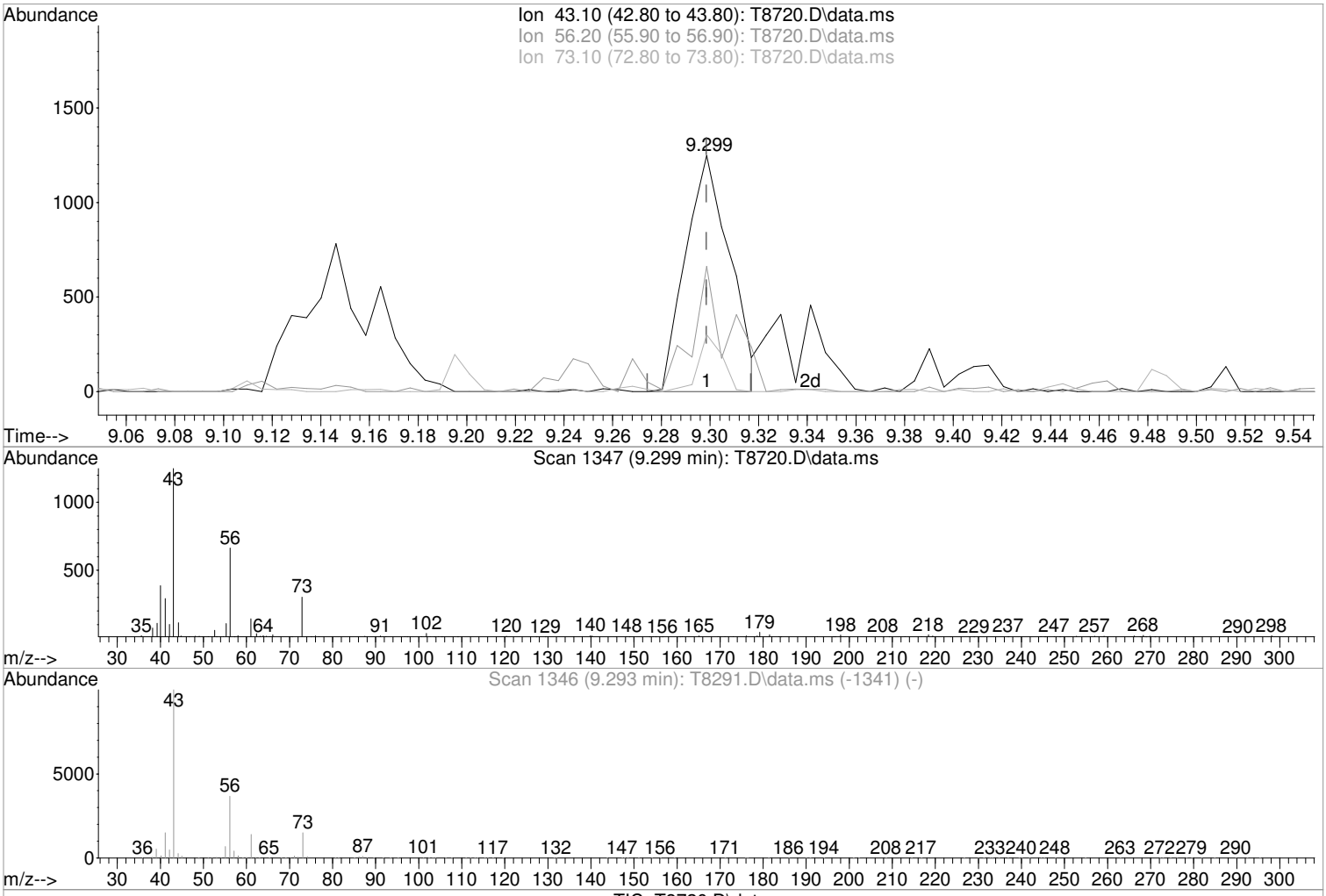
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(75) N-Butyl Acetate

9.299min (+0.000) 0.29 ug/L

response 1582

Ion	Exp%	Act%
43.10	100	100
56.20	36.80	53.08
73.10	14.90	24.18
0.00	0.00	0.00

Manual Integration:

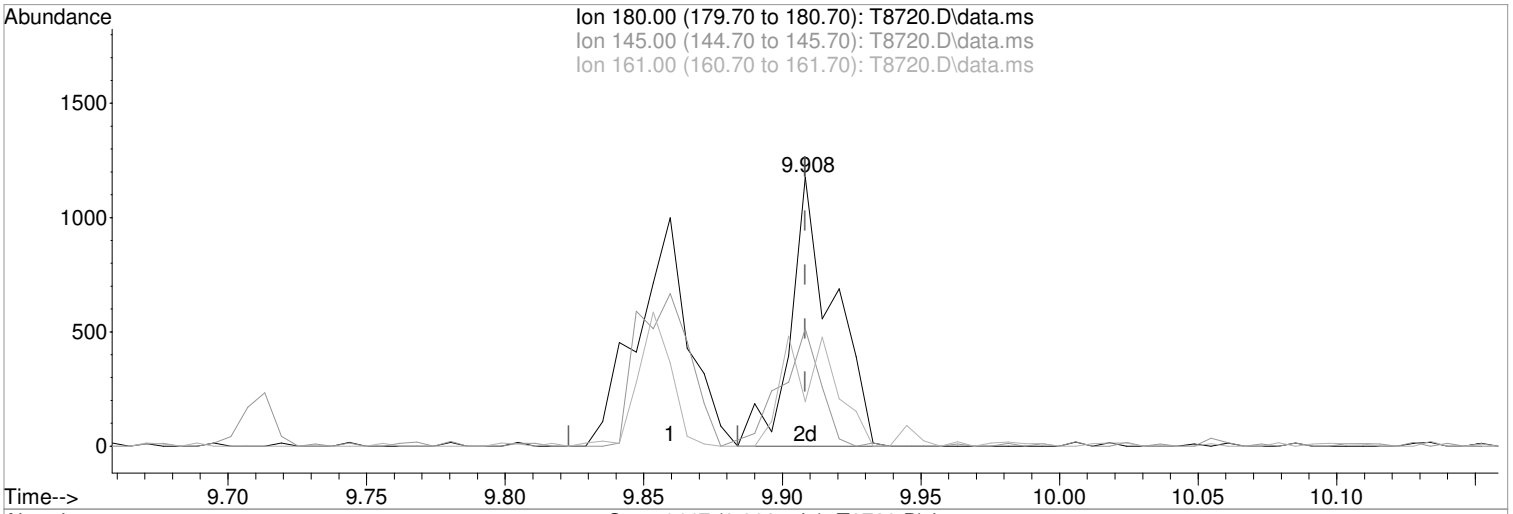
Before

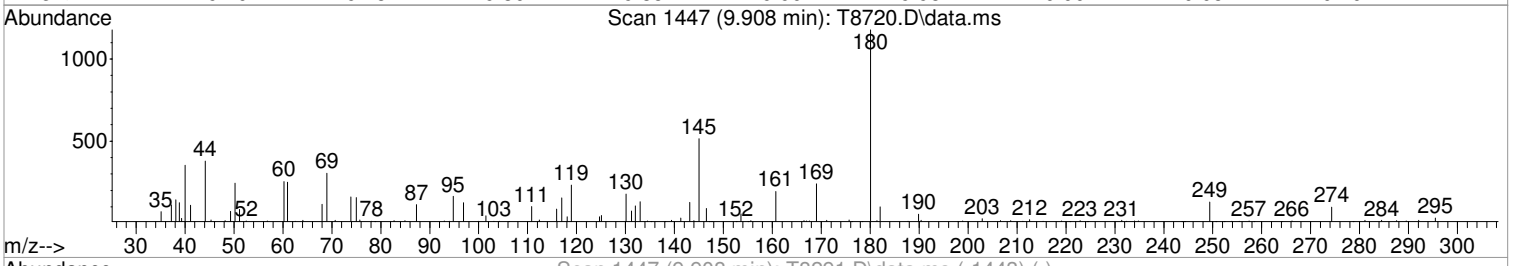
09/08/21

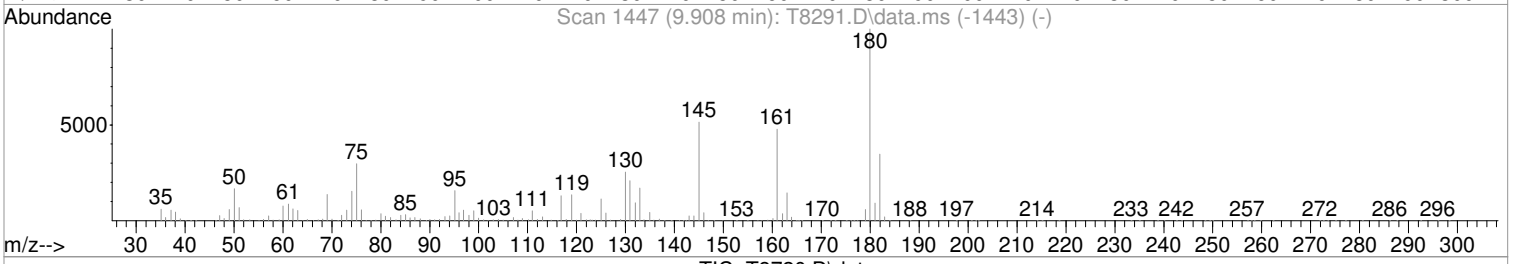
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(79) 4-Chlorobenzotrifluoride

9.908min (+0.000) 0.44 ug/L m

response 1270

Ion	Exp%	Act%
180.00	100	100
145.00	51.30	43.67
161.00	47.70	16.48#
0.00	0.00	0.00

Manual Integration:

After

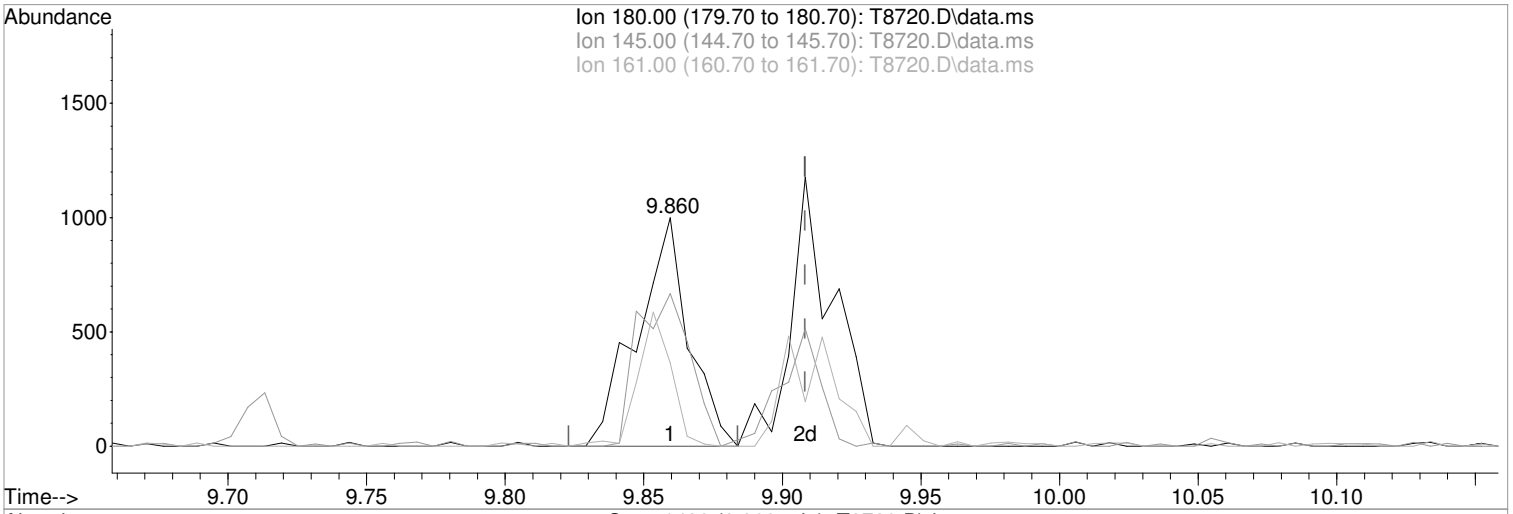
Wrong peak selected.

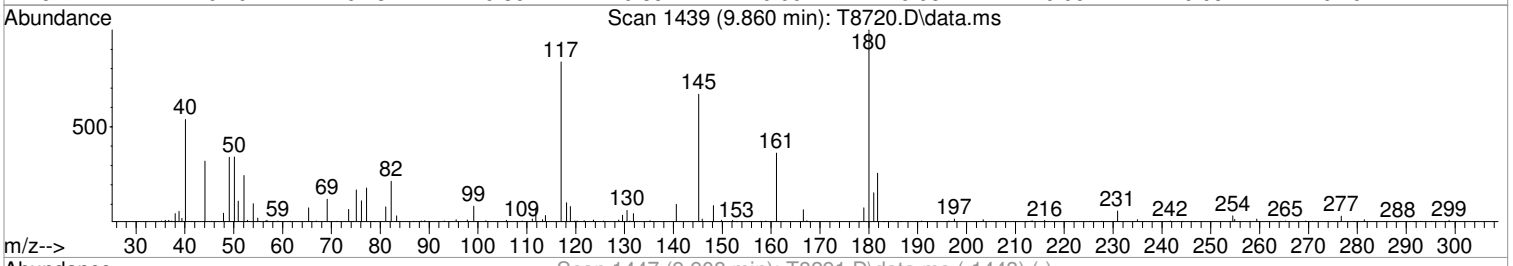
09/08/21

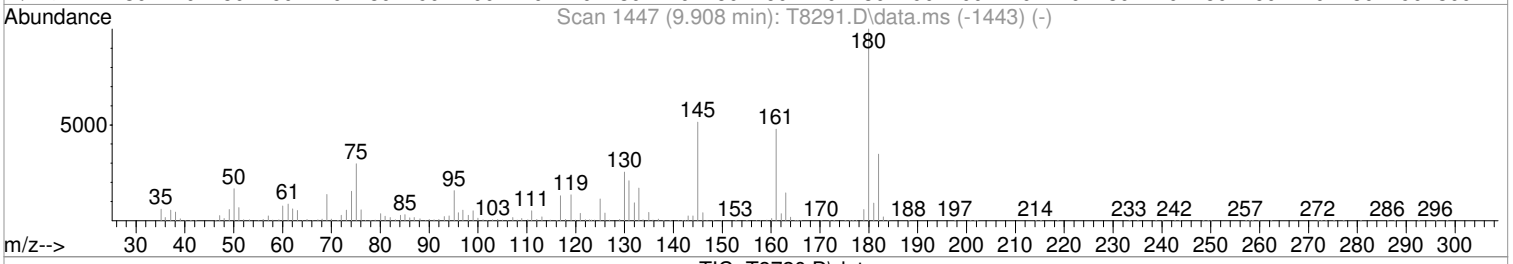
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(79) 4-Chlorobenzotrifluoride

9.860min (-0.049) 0.45 ug/L

response 1287

Ion	Exp%	Act%
180.00	100	100
145.00	51.30	66.80
161.00	47.70	36.40
0.00	0.00	0.00

Manual Integration:

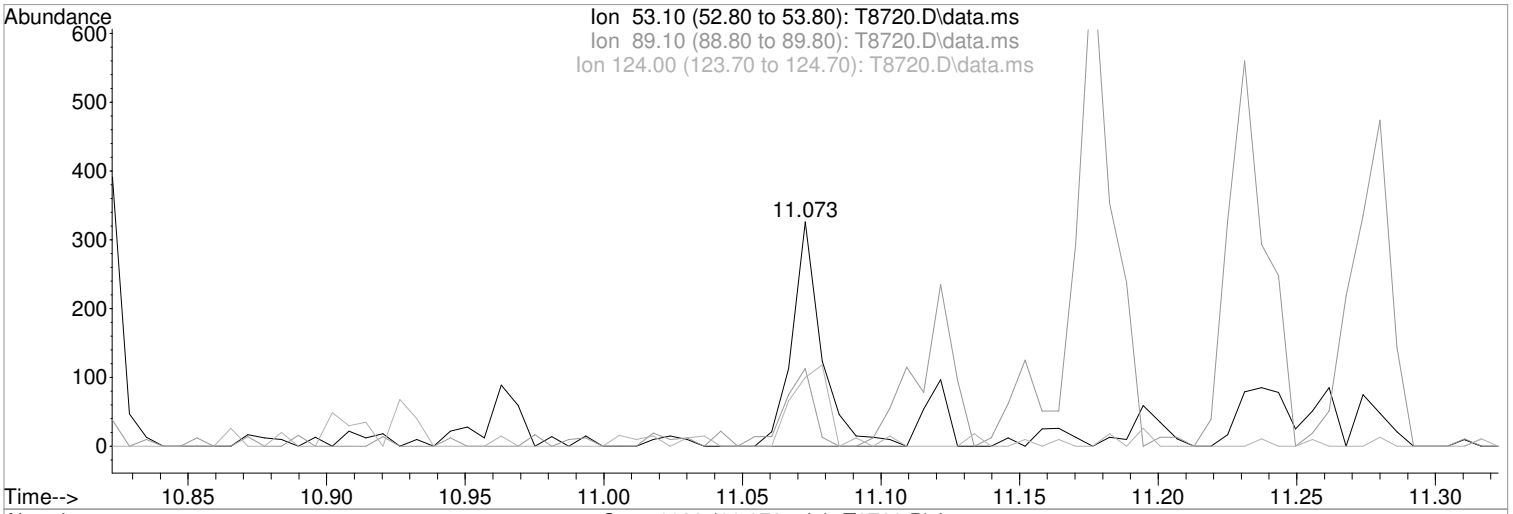
Before

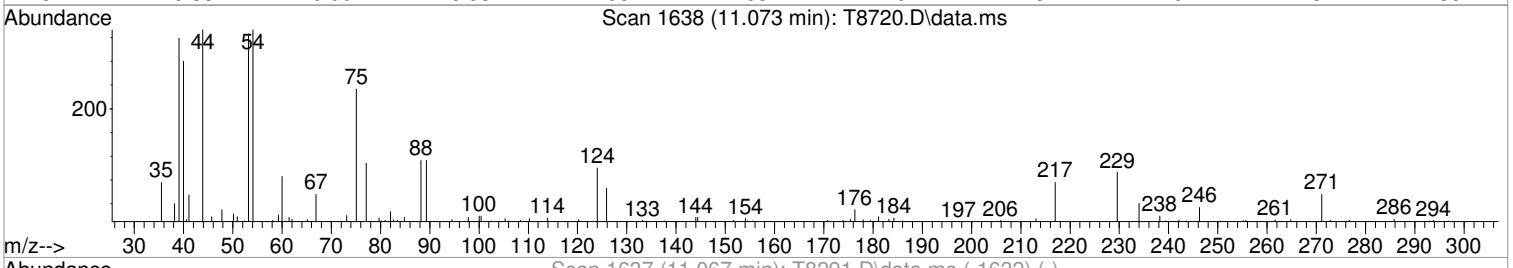
09/08/21

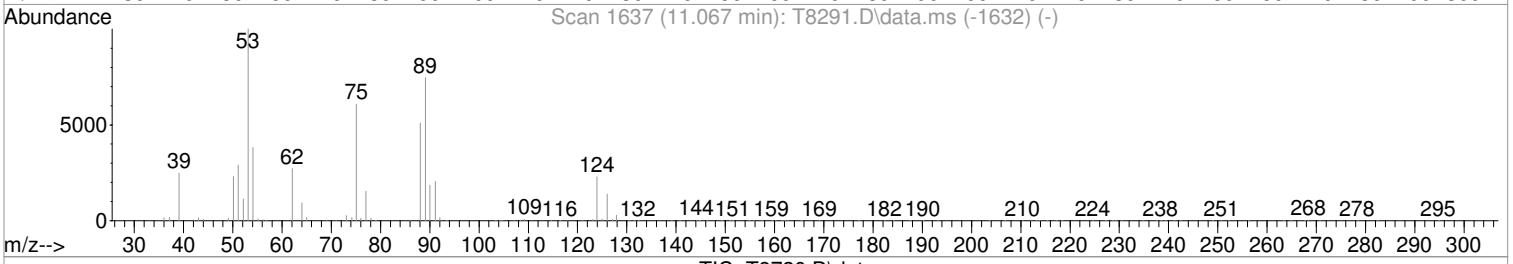
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.073min (+0.000) 0.27 ug/L m

response 244

Ion	Exp%	Act%
53.10	100	100
89.10	74.70	34.66#
124.00	22.90	30.67
0.00	0.00	0.00

Manual Integration:

After

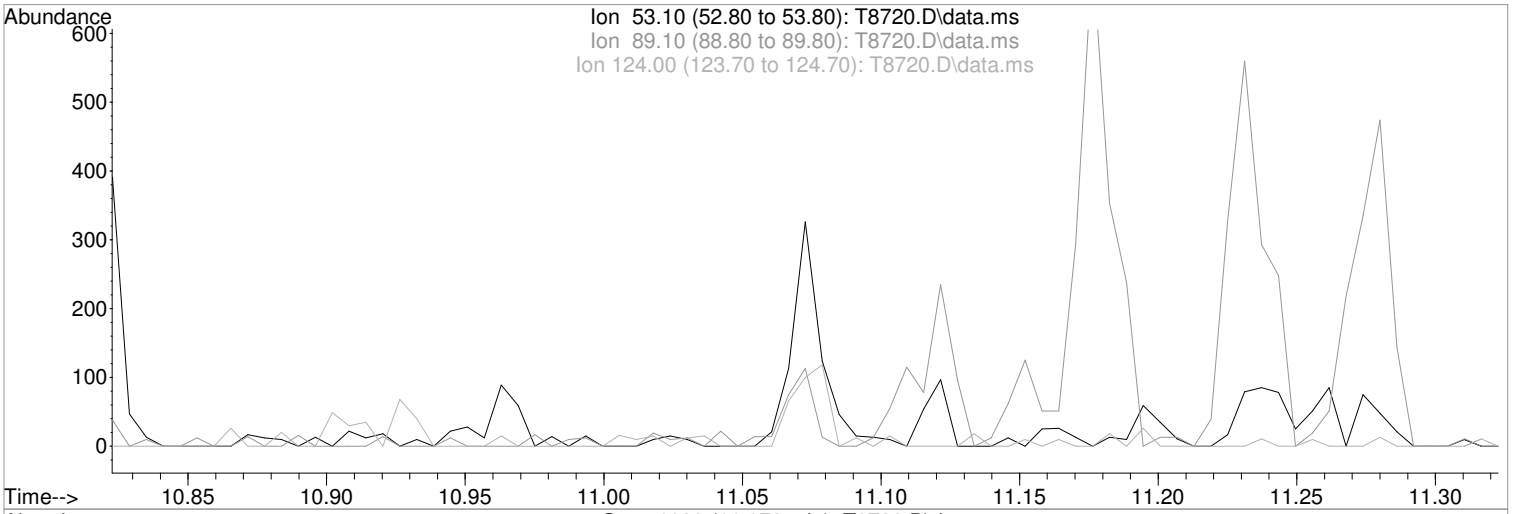
Peak not found.

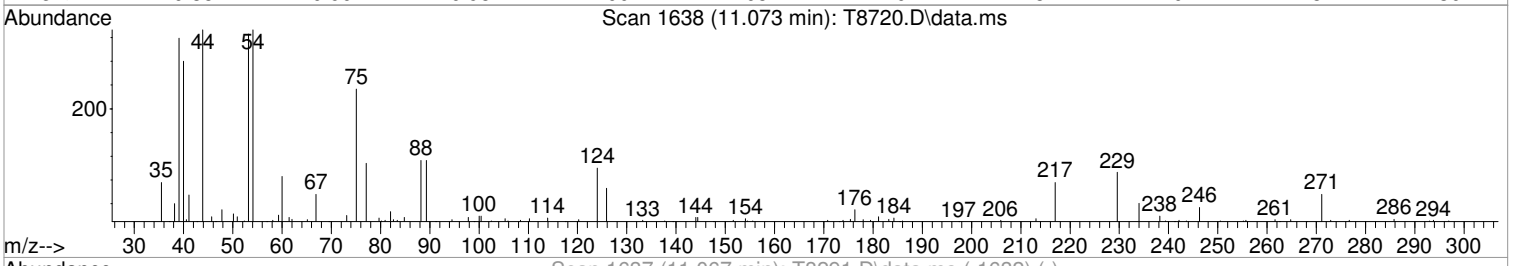
09/08/21

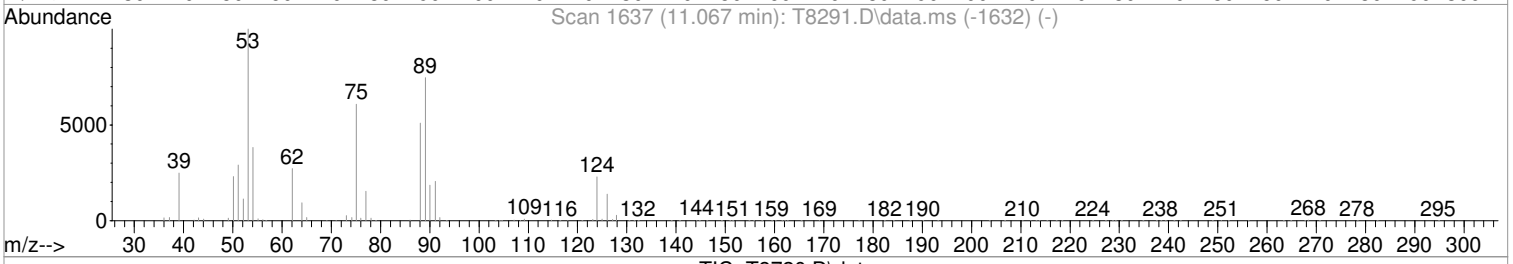
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.073min (-11.073) 0.00 ug/L

response 0

Ion	Exp%	Act%
53.10	100	0.00
89.10	74.70	0.00#
124.00	22.90	0.00#
0.00	0.00	0.00

Manual Integration:

Before

09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:15:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	242605	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	375536	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	332372	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	165128	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	21747	9.47	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 18.94%#				
46) surr1,1,2-dichloroetha...	5.793	65	27043	9.53	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 19.06%#				
64) SURR3,Toluene-d8	8.317	98	86811	9.78	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 19.56%#				
69) SURR2,BFB	10.884	95	28903	8.41	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 16.82%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	1339	0.52	ug/L		95
3) Chloromethane	1.282	50	1700	0.51	ug/L		88
4) Vinyl Chloride	1.361	62	1353	0.42	ug/L		87
5) Bromomethane	1.593	94	2863	0.73	ug/L		92
6) Chloroethane	1.672	64	1180	0.52	ug/L	#	73
7) Freon 21	1.818	67	3110	0.69	ug/L		86
8) Trichlorofluoromethane	1.867	101	1948	0.56	ug/L	#	75
9) Diethyl Ether	2.099	59	1014	0.44	ug/L	#	71
10) Freon 123a	2.099	67	1485	0.53	ug/L	#	74
11) Freon 123	2.154	83	1285	0.42	ug/L	#	65
12) Acrolein	2.209	56	1186m	1.54	ug/L		
13) 1,1-Diclethene	2.282	96	1039	0.51	ug/L	#	59
14) Freon 113	2.294	101	1044	0.50	ug/L	#	59
15) Acetone	2.331	43	1976	1.34	ug/L		85
16) 2-Propanol	2.471	45	2621	7.56	ug/L		65
17) Iodomethane	2.428	142	1081	0.33	ug/L	#	61
18) Carbon Disulfide	2.489	76	2236	0.36	ug/L		95
19) Acetonitrile	2.599	41	1240m	2.15	ug/L		
20) Allyl Chloride	2.617	76	322m	0.24	ug/L		
21) Methyl Acetate	2.648	43	2053m	0.65	ug/L		
22) Methylene Chloride	2.745	84	1320m	0.50	ug/L		
23) TBA	2.867	59	3940	6.99	ug/L		80
24) Acrylonitrile	2.995	53	3019	2.04	ug/L		80
25) Methyl-t-Butyl Ether	3.038	73	3444	0.40	ug/L		90
26) trans-1,2-Dichloroethene	3.032	96	995m	0.44	ug/L		
27) 1,1-Diclethane	3.538	63	1946m	0.46	ug/L		
28) Vinyl Acetate	3.641	86	237m	0.41	ug/L		
29) DIPE	3.666	45	3495	0.43	ug/L		81
30) 2-Chloro-1,3-Butadiene	3.660	53	1728m	0.52	ug/L		
31) ETBE	4.196	59	3487	0.48	ug/L		84
32) 2,2-Dichloropropane	4.379	77	1673	0.49	ug/L		78
33) cis-1,2-Dichloroethene	4.385	96	1389m	0.55	ug/L		
34) 2-Butanone	4.428	43	1690	0.79	ug/L		80
35) Propionitrile	4.525	54	1246m	1.99	ug/L		
36) Bromochloromethane	4.781	130	945	0.57	ug/L	#	57
37) Methacrylonitrile	4.775	67	609m	0.42	ug/L		
38) Tetrahydrofuran	4.879	42	659	0.48	ug/L		82
39) Chloroform	4.964	83	3328m	0.74	ug/L		
40) 1,1,1-Trichloroethane	5.263	97	1607m	0.50	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:15:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.360	41	1192m	0.47	ug/L		
44) Carbontetrachloride	5.531	117	1455m	0.53	ug/L		
45) 1,1-Dichloropropene	5.556	75	1511	0.50	ug/L		92
47) Benzene	5.891	78	4317m	0.46	ug/L		
48) 1,2-Dichloroethane	5.921	62	1654	0.47	ug/L		80
49) Iso-Butyl Alcohol	5.891	43	1294m	5.23	ug/L		
50) TAME	6.122	73	3569m	0.46	ug/L		
51) n-Heptane	6.360	43	1425	0.48	ug/L		85
52) 1-Butanol	6.866	56	1735	11.48	ug/L	#	70
53) Trichloroethene	6.842	130	987	0.39	ug/L	#	77
54) Methylcyclohexane	7.080	55	1307m	0.46	ug/L		
55) 1,2-Diclpropane	7.110	63	1498m	0.56	ug/L		
56) Dibromomethane	7.256	93	889m	0.50	ug/L		
57) 1,4-Dioxane	7.323	88	425m	6.90	ug/L		
58) Methyl Methacrylate	7.342	69	1105m	0.46	ug/L		
59) Bromodichloromethane	7.470	83	1191	0.36	ug/L		74
60) 2-Nitropropane	7.762	41	856	0.82	ug/L	#	69
61) 2-Chloroethylvinyl Ether	7.878	63	1003m	0.60	ug/L		
62) cis-1,3-Dichloropropene	8.025	75	1681	0.43	ug/L		83
63) 4-Methyl-2-pentanone	8.220	43	1628m	0.42	ug/L		
65) Toluene	8.402	91	4786	0.48	ug/L		90
66) trans-1,3-Dichloropropene	8.659	75	1374	0.37	ug/L		77
67) Ethyl Methacrylate	8.805	69	1535	0.37	ug/L		92
68) 1,1,2-Trichloroethane	8.854	97	1243	0.52	ug/L	#	70
71) Tetrachloroethene	8.982	164	691	0.39	ug/L	#	68
72) 2-Hexanone	9.146	43	1513m	0.54	ug/L		
73) 1,3-Dichloropropane	9.024	76	1722	0.44	ug/L		84
74) Dibromochloromethane	9.238	129	837	0.37	ug/L	#	51
75) N-Butyl Acetate	9.299	43	1858m	0.34	ug/L		
76) 1,2-Dibromoethane	9.347	107	783	0.32	ug/L	#	39
77) 3-Chlorobenzotrifluoride	9.860	180	1287	0.41	ug/L		91
78) Chlorobenzene	9.829	112	2831	0.46	ug/L		88
79) 4-Chlorobenzotrifluoride	9.908	180	1270m	0.44	ug/L		
80) 1,1,1,2-Tetrachloroethane	9.921	131	946	0.44	ug/L	#	71
81) Ethylbenzene	9.963	106	1627	0.51	ug/L	#	59
82) (m+p)Xylene	10.067	106	2683	0.67	ug/L	#	83
83) o-Xylene	10.433	106	1642	0.41	ug/L	#	44
84) Styrene	10.445	104	2437	0.35	ug/L		85
85) Bromoform	10.591	173	554	0.31	ug/L	#	48
86) 2-Chlorobenzotrifluoride	10.676	180	1506	0.47	ug/L	#	64
87) Isopropylbenzene	10.762	105	3815	0.41	ug/L		96
88) Cyclohexanone	10.823	55	4159	6.68	ug/L		89
89) trans-1,4-Dichloro-2-B...	11.073	53	244m	0.27	ug/L		
91) 1,1,2,2-Tetrachloroethane	11.018	83	1590	0.51	ug/L		98
92) Bromobenzene	11.000	156	851	0.33	ug/L	#	57
93) 1,2,3-Trichloropropane	11.054	110	471	0.45	ug/L	#	48
94) n-Propylbenzene	11.115	91	4582	0.44	ug/L		91
95) 2-Chlorotoluene	11.182	91	3186	0.48	ug/L		80
96) 3-Chlorotoluene	11.231	91	2889	0.46	ug/L		84
97) 4-Chlorotoluene	11.274	91	2897	0.41	ug/L		74
98) 1,3,5-Trimethylbenzene	11.274	105	2690	0.36	ug/L		96
99) tert-Butylbenzene	11.536	119	2992	0.47	ug/L		96
100) 1,2,4-Trimethylbenzene	11.579	105	3126	0.42	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	1339	0.59	ug/L		87
102) sec-Butylbenzene	11.725	105	4011	0.44	ug/L		83
103) p-Isopropyltoluene	11.847	119	3229	0.41	ug/L	#	68

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:15:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

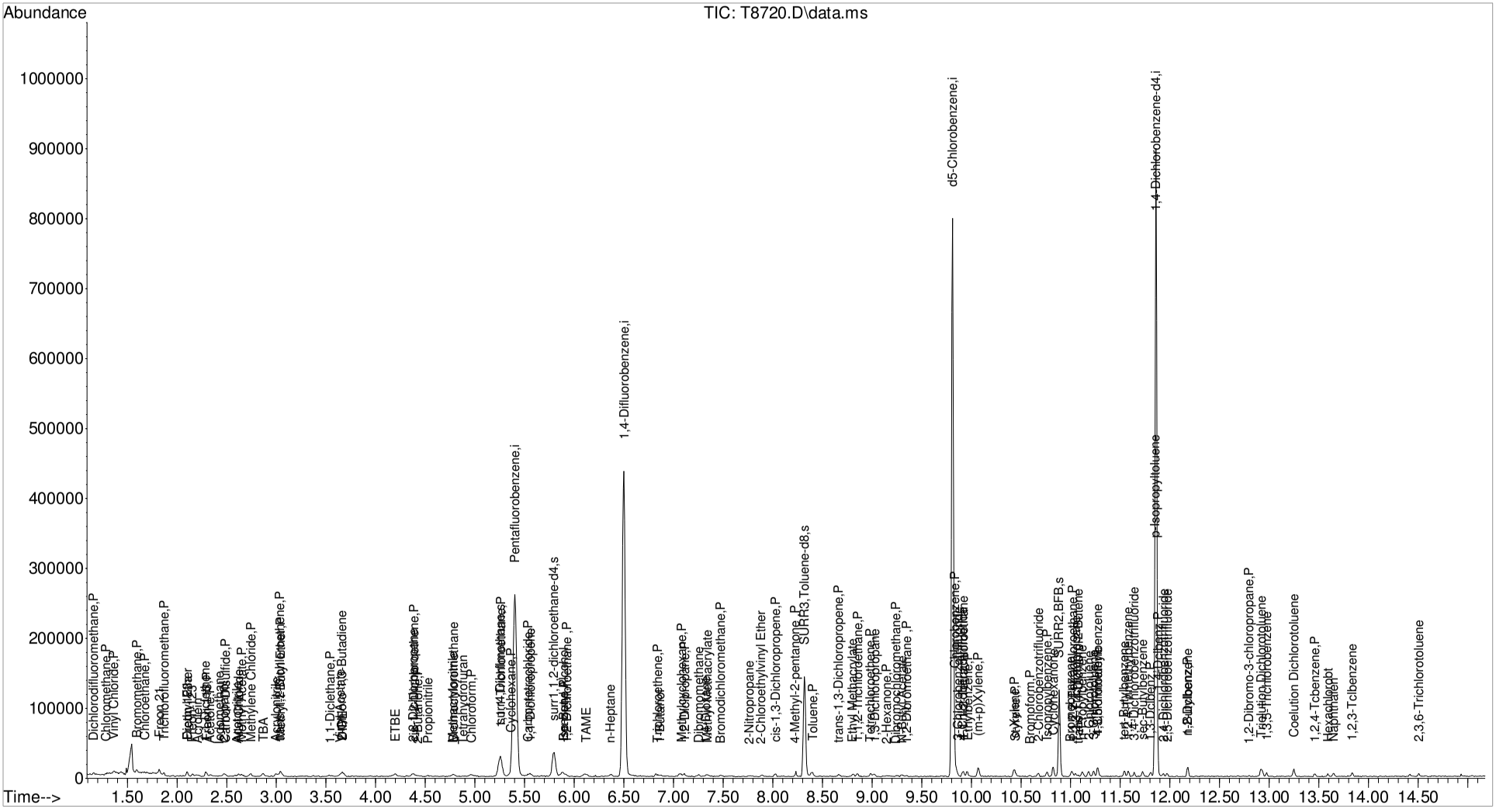
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	2177	0.48	ug/L		90
105) 1,4-Dclbenz	11.877	146	2456m	0.51	ug/L		
106) 2,4-Dichlorobenzotrifl...	11.932	214	842	0.40	ug/L		94
107) 2,5-Dichlorobenzotrifl...	11.975	214	1225	0.52	ug/L		90
108) n-Butylbenzene	12.176	91	2990	0.41	ug/L		89
109) 1,2-Dclbenz	12.176	146	1784	0.38	ug/L		84
110) 1,2-Dibromo-3-chloropr...	12.792	157	330	0.46	ug/L	#	70
111) Trielution Dichlorotol...	12.920	125	4717	1.34	ug/L		84
112) 1,3,5-Trichlorobenzene	12.975	180	1322	0.40	ug/L	#	1
113) Coelution Dichlorotoluene	13.249	125	3662	0.93	ug/L		92
114) 1,2,4-Tcbenzene	13.462	180	1097	0.37	ug/L	#	75
115) Hexachlorobt	13.591	225	612	0.51	ug/L	#	53
116) Naphthalen	13.645	128	3203	0.35	ug/L		84
117) 1,2,3-Tclbenzene	13.834	180	1599	0.54	ug/L	#	65
119) 2,3,6-Trichlorotoluene	14.505	159	740	0.44	ug/L	#	77

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:15:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

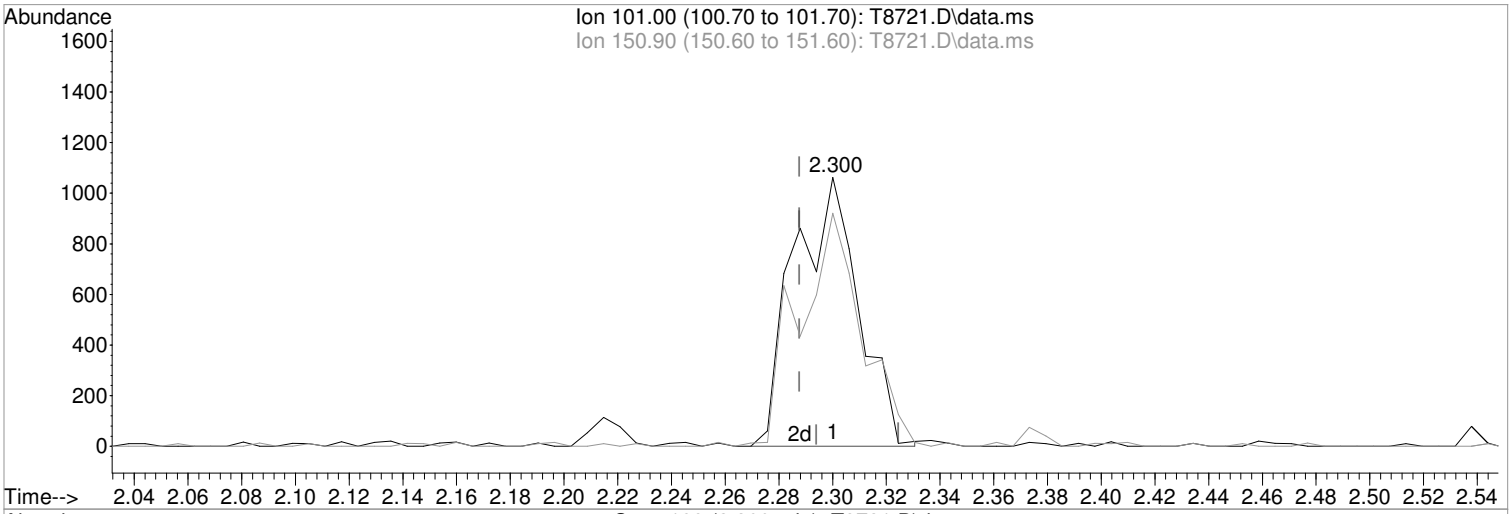


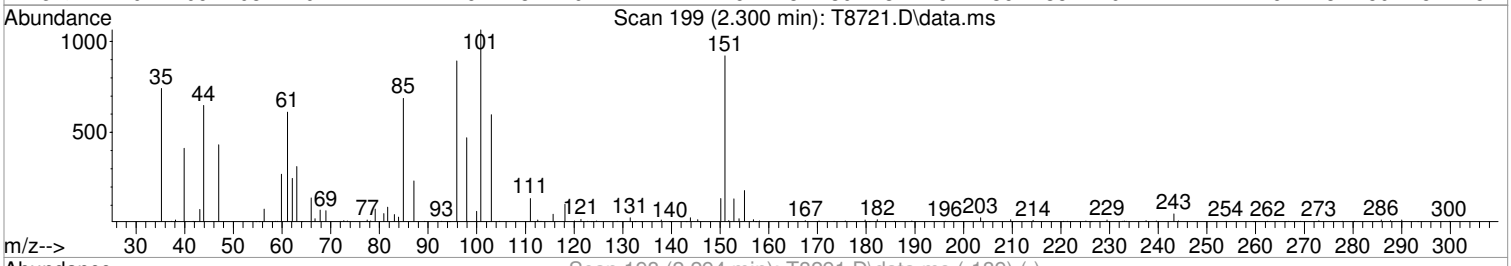
Page 224 of 368
1st FNJ 09/08/21
2nd 09/08/21

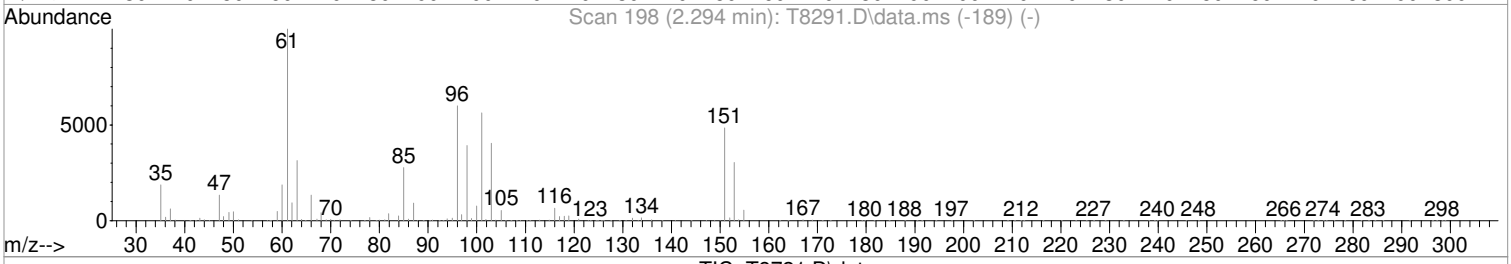
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(14) Freon 113 (P)

2.300min (+0.012) 0.87 ug/L m

response 1783

Ion	Exp%	Act%
101.00	100	100
150.90	86.00	86.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

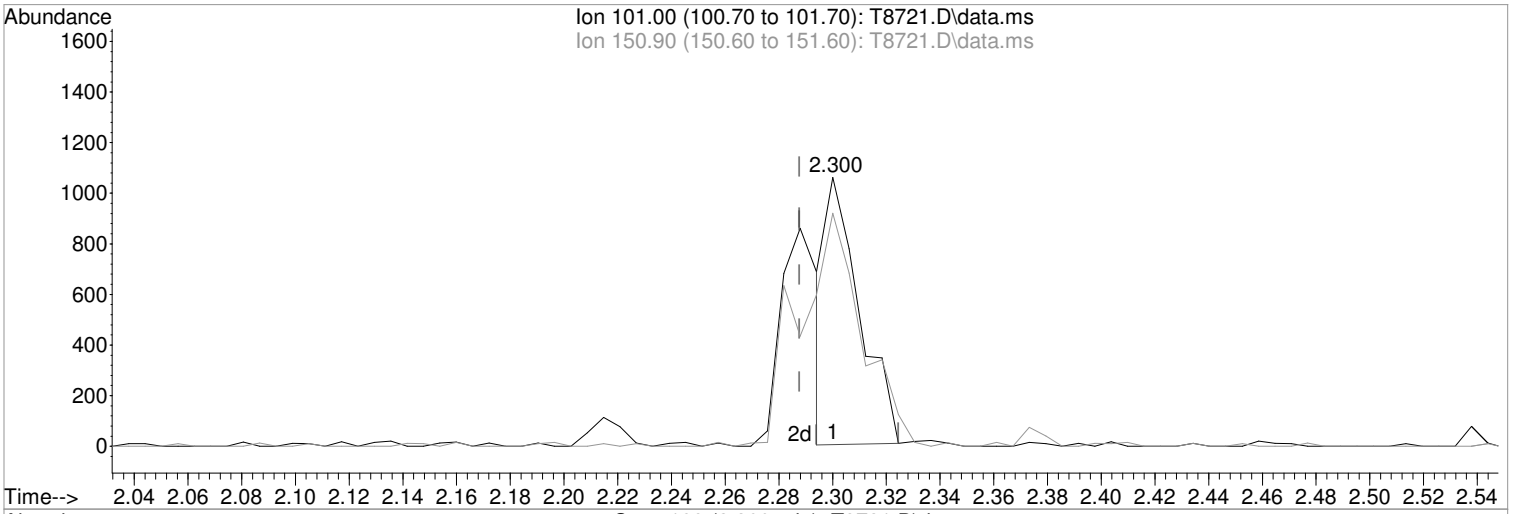
Poor integration.

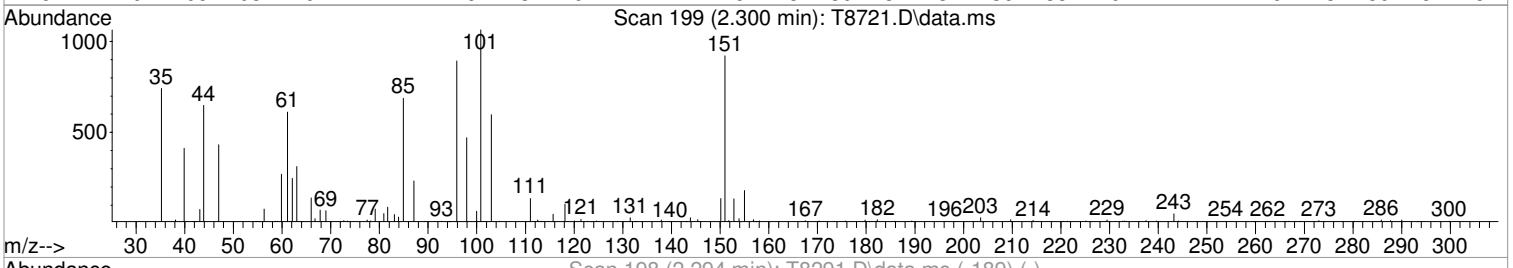
09/08/21

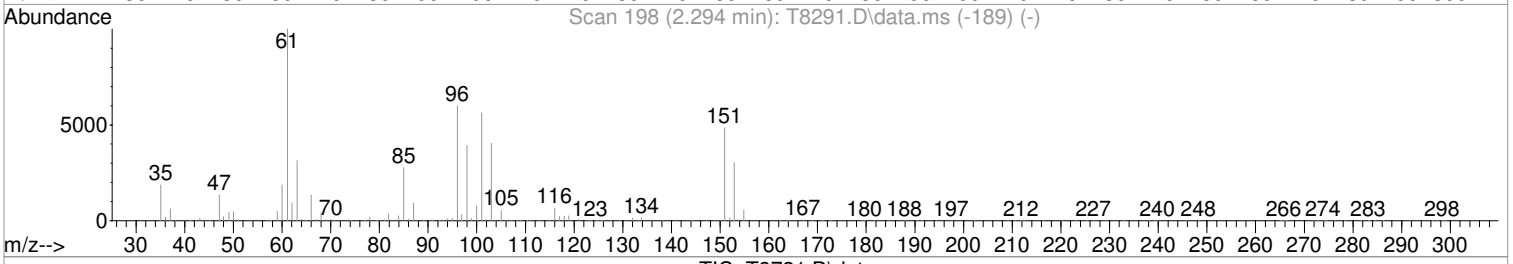
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(14) Freon 113 (P)

2.300min (+0.012) 0.45 ug/L

response 921

Ion	Exp%	Act%
101.00	100	100
150.90	86.00	86.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

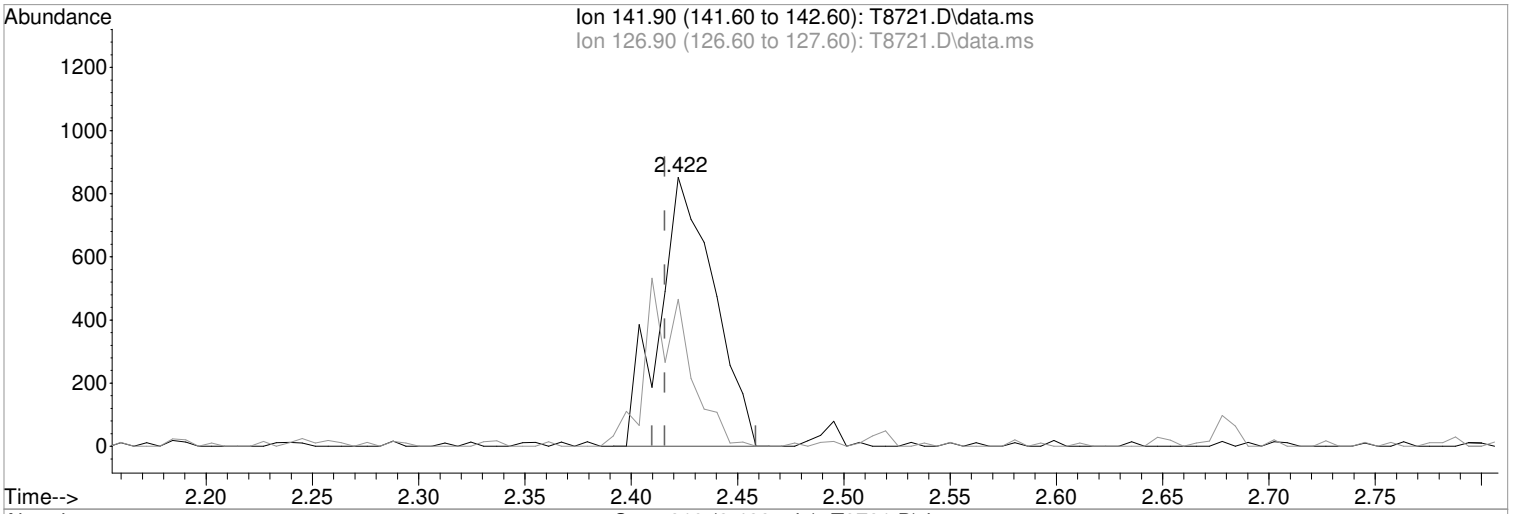
Before

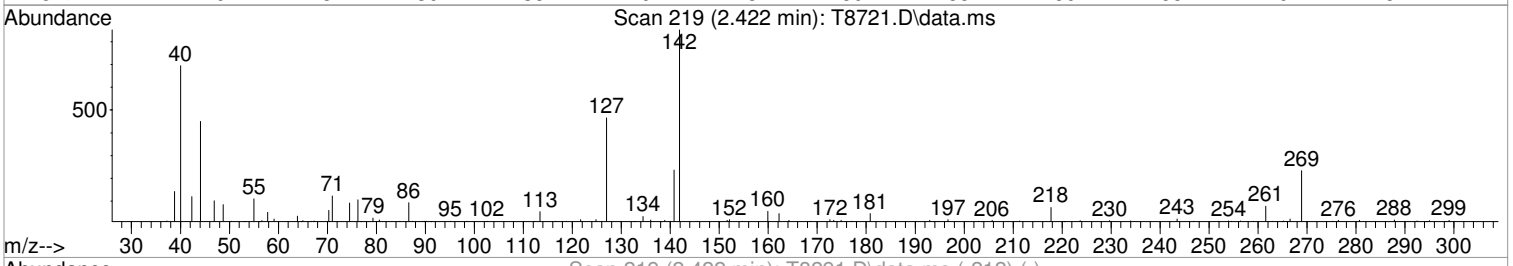
09/08/21

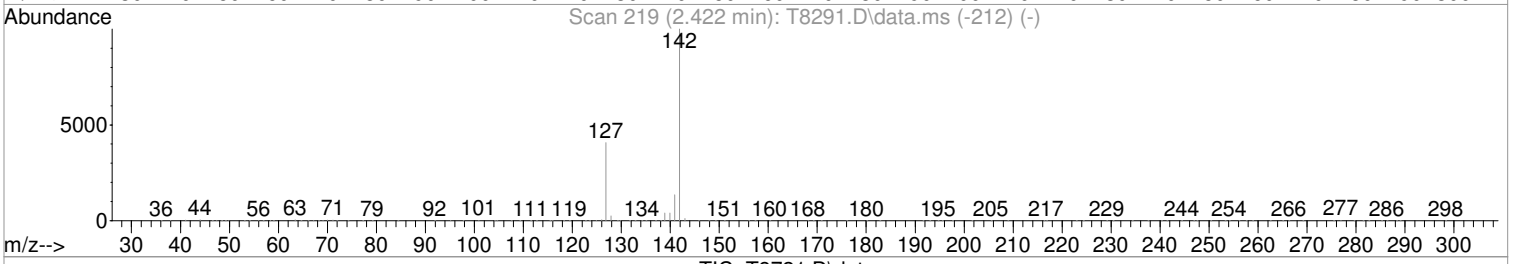
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(17) Iodomethane

2.422min (+0.006) 0.47 ug/L m

response 1528

Ion	Exp%	Act%
141.90	100	100
126.90	40.70	54.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

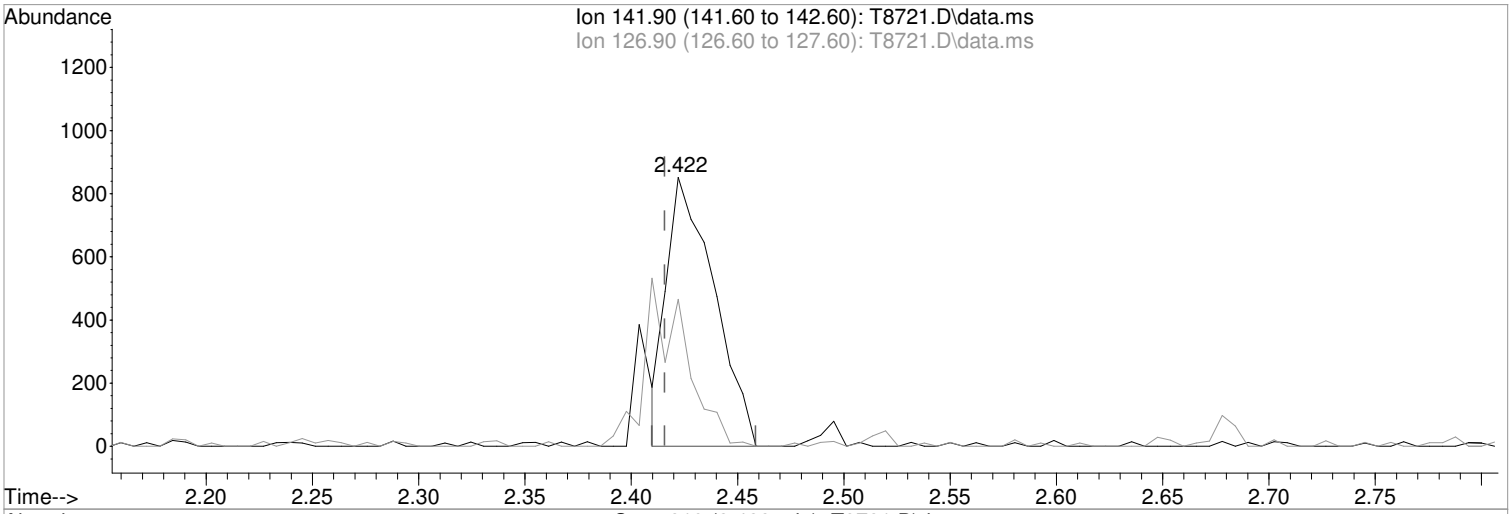
Poor integration.

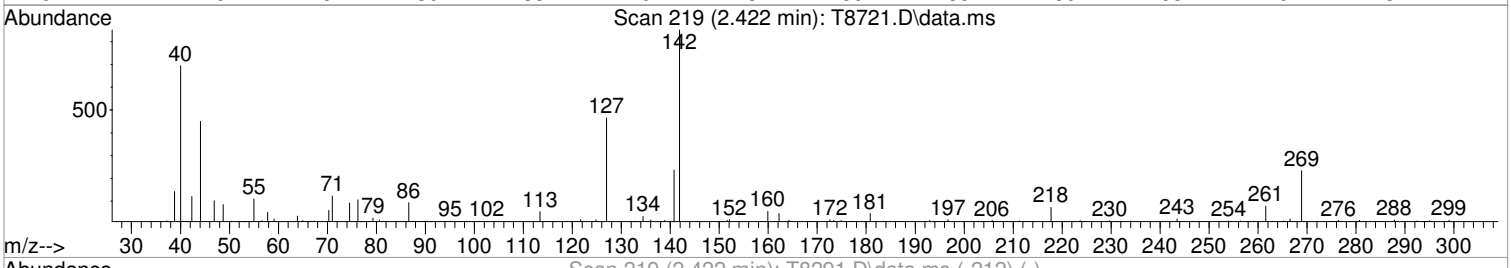
09/08/21

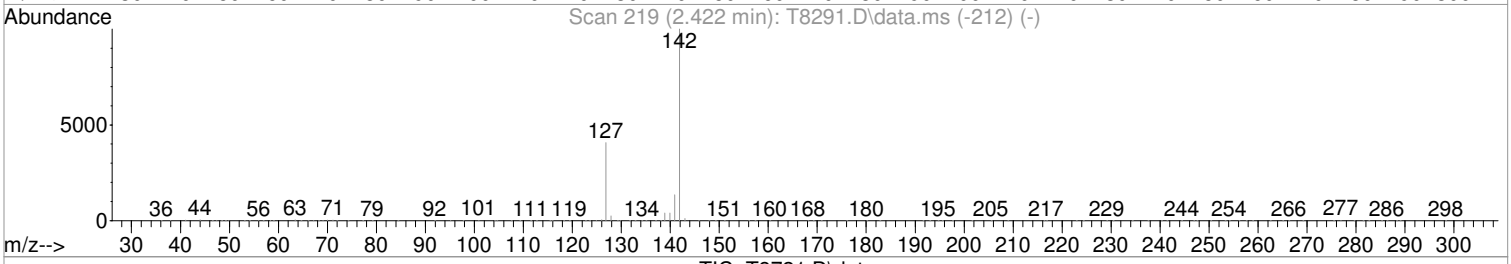
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(17) Iodomethane

2.422min (+0.006) 0.40 ug/L

response 1319

Ion	Exp%	Act%
141.90	100	100
126.90	40.70	54.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

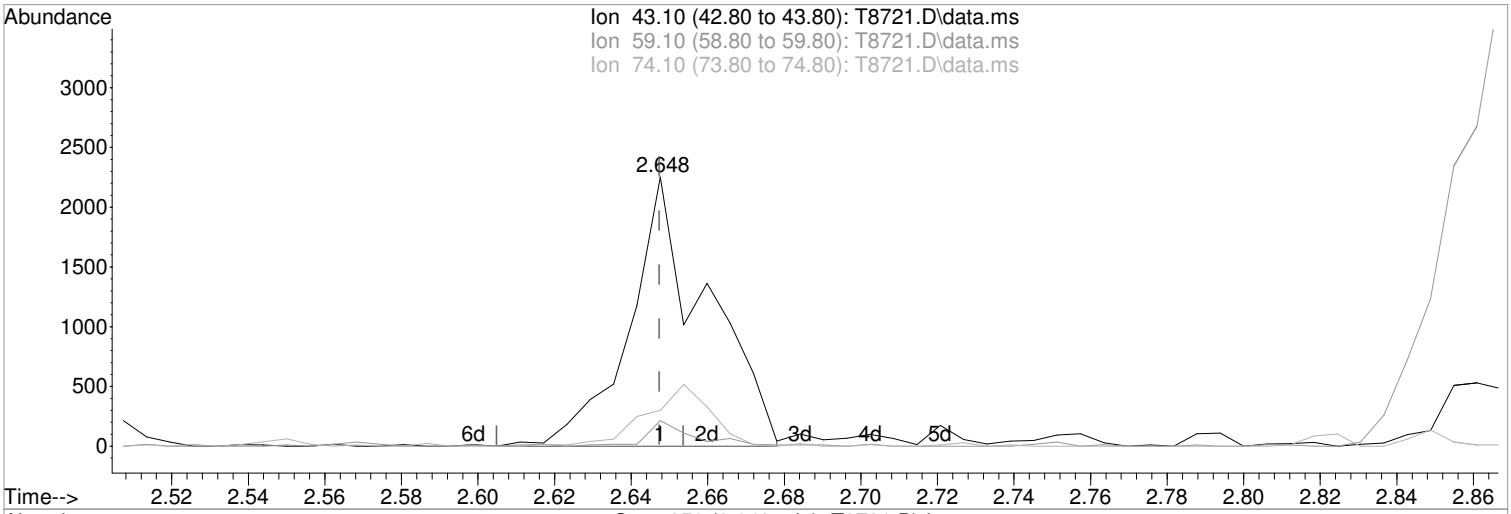
Before

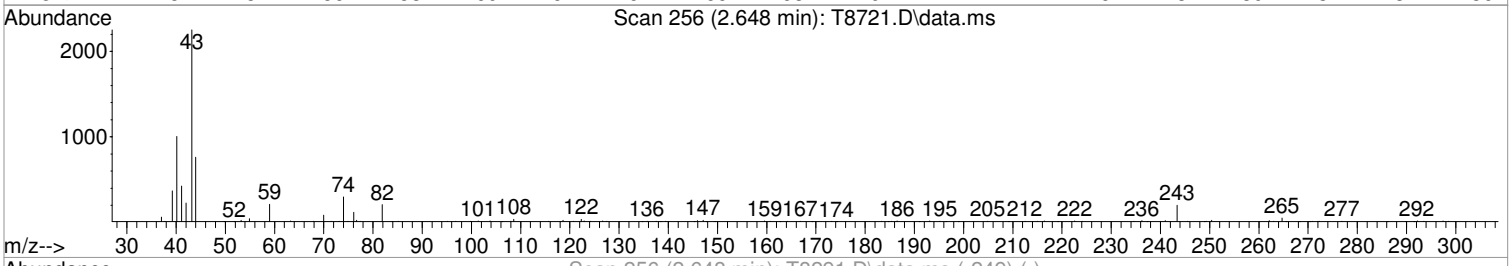
09/08/21

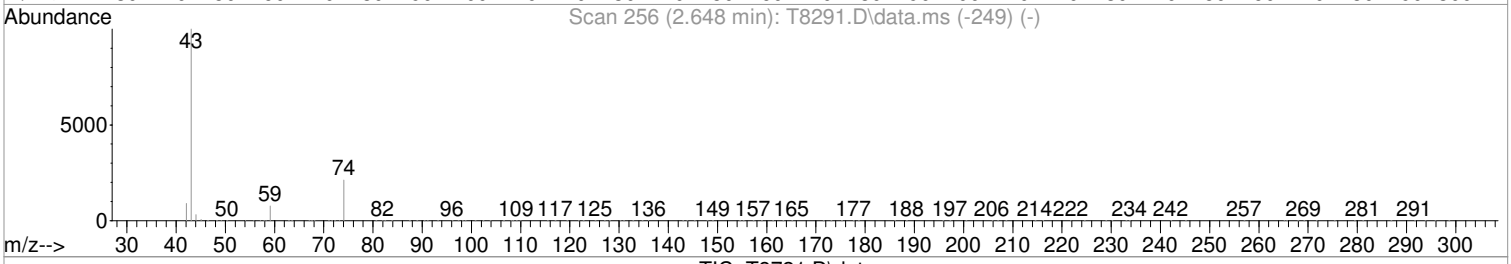
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(21) Methyl Acetate (P)

2.648min (+0.000) 1.01 ug/L m

response 3162

Ion	Exp%	Act%
43.10	100	100
59.10	7.70	9.51
74.10	21.20	13.28
0.00	0.00	0.00

Manual Integration:

After

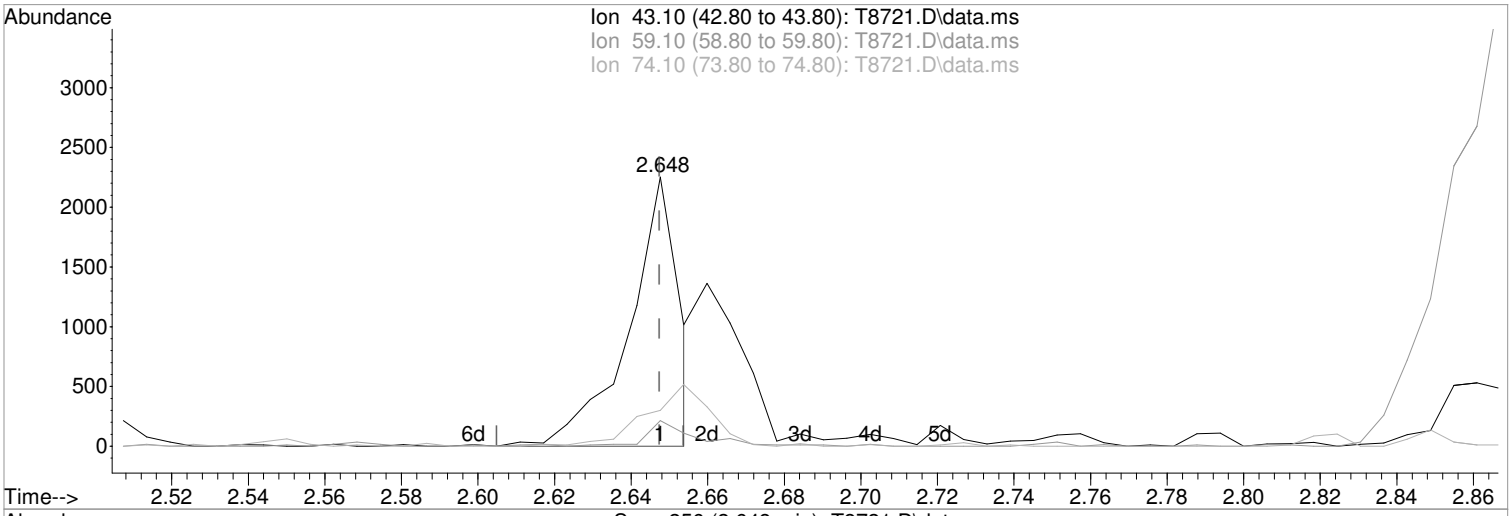
Poor integration.

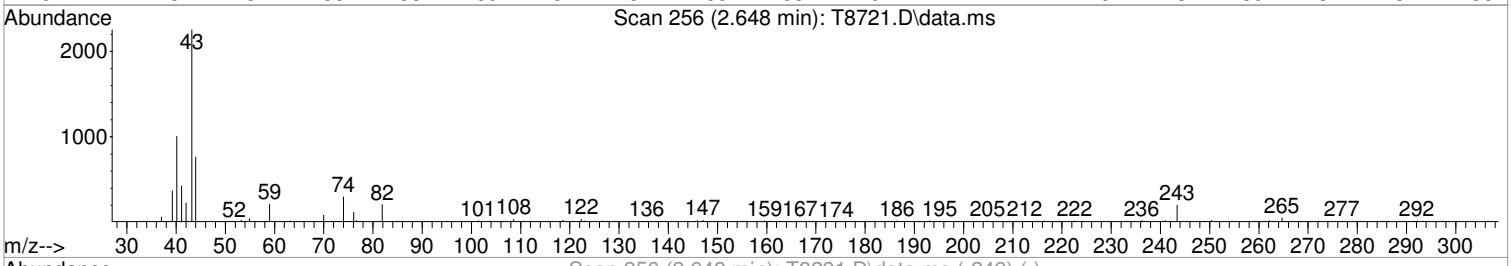
09/08/21

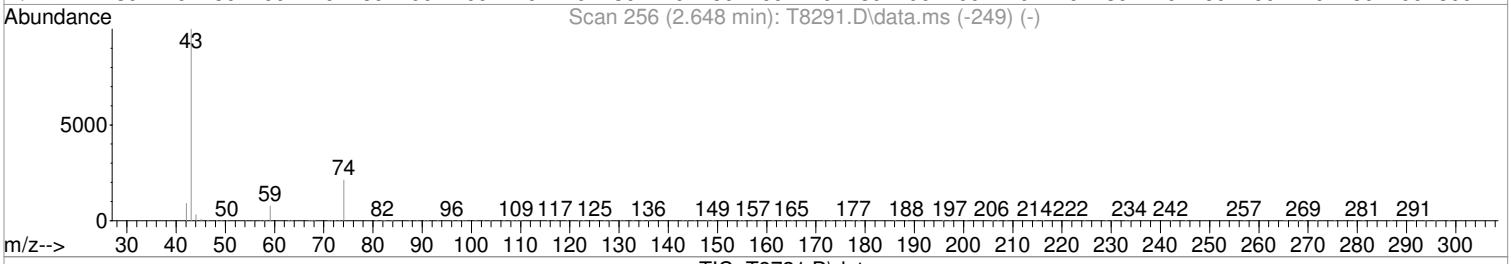
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(21) Methyl Acetate (P)

2.648min (+0.000) 0.65 ug/L

response 2047

Ion	Exp%	Act%
43.10	100	100
59.10	7.70	9.51
74.10	21.20	13.28
0.00	0.00	0.00

Manual Integration:

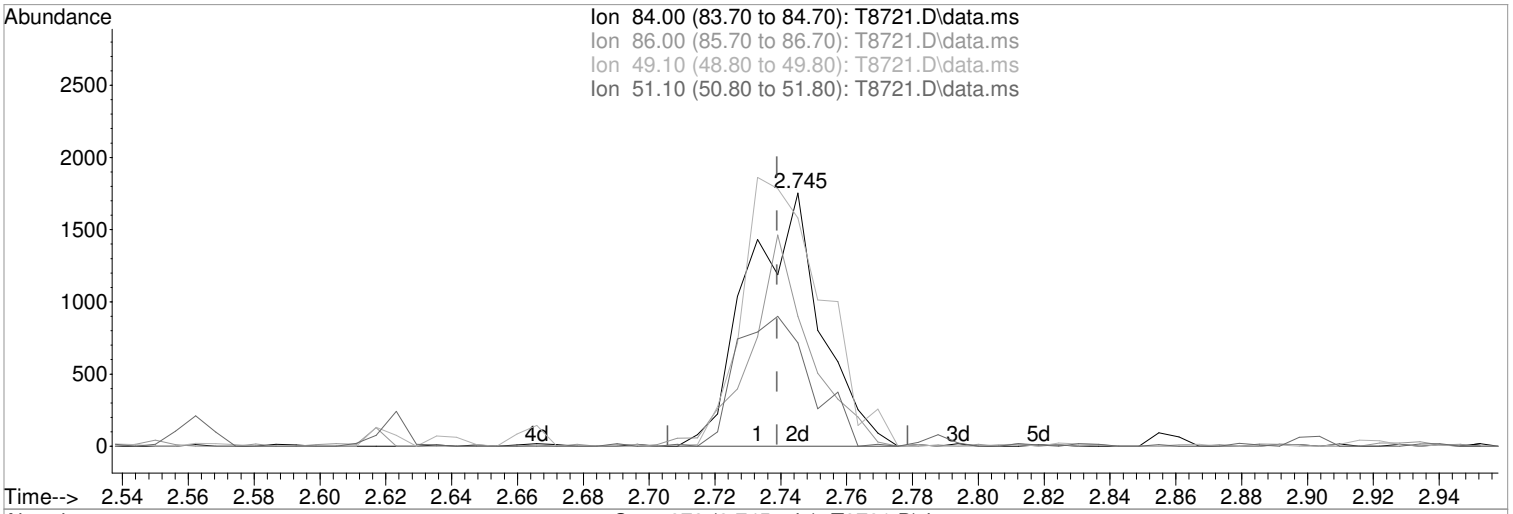
Before

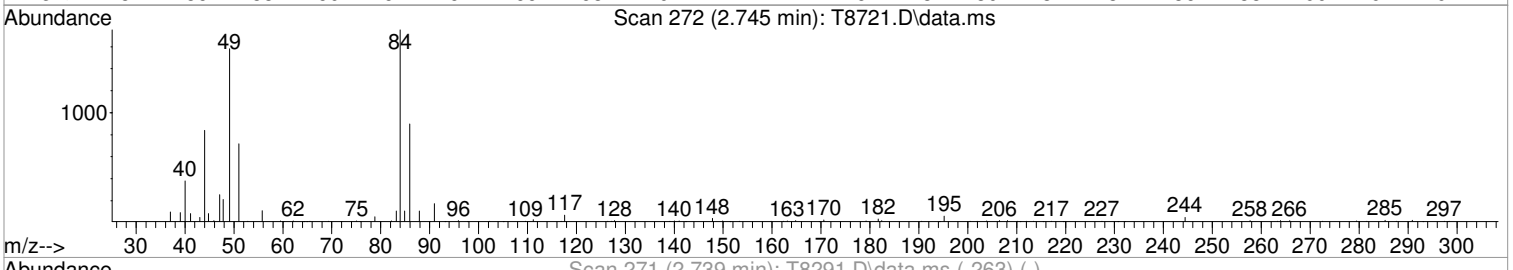
09/08/21

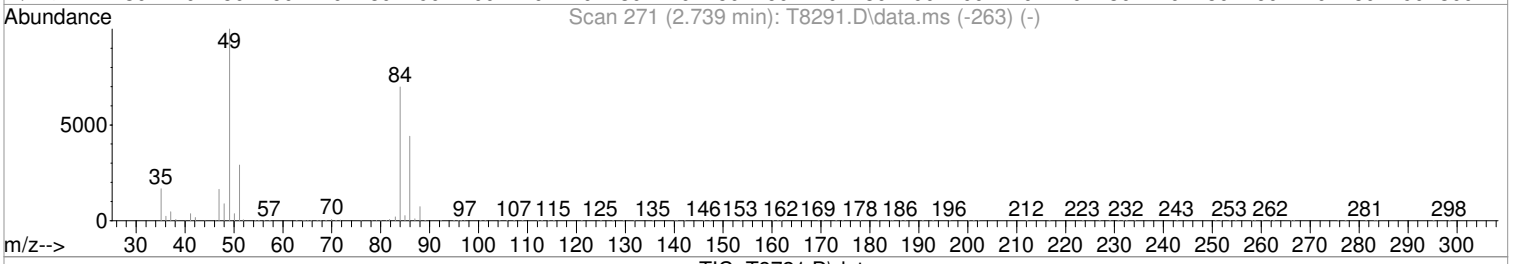
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(22) Methylene Chloride (P)

2.745min (+0.006) 1.05 ug/L m

response 2722

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	51.28
49.10	143.30	90.19#
51.10	41.60	40.84

Manual Integration:

After

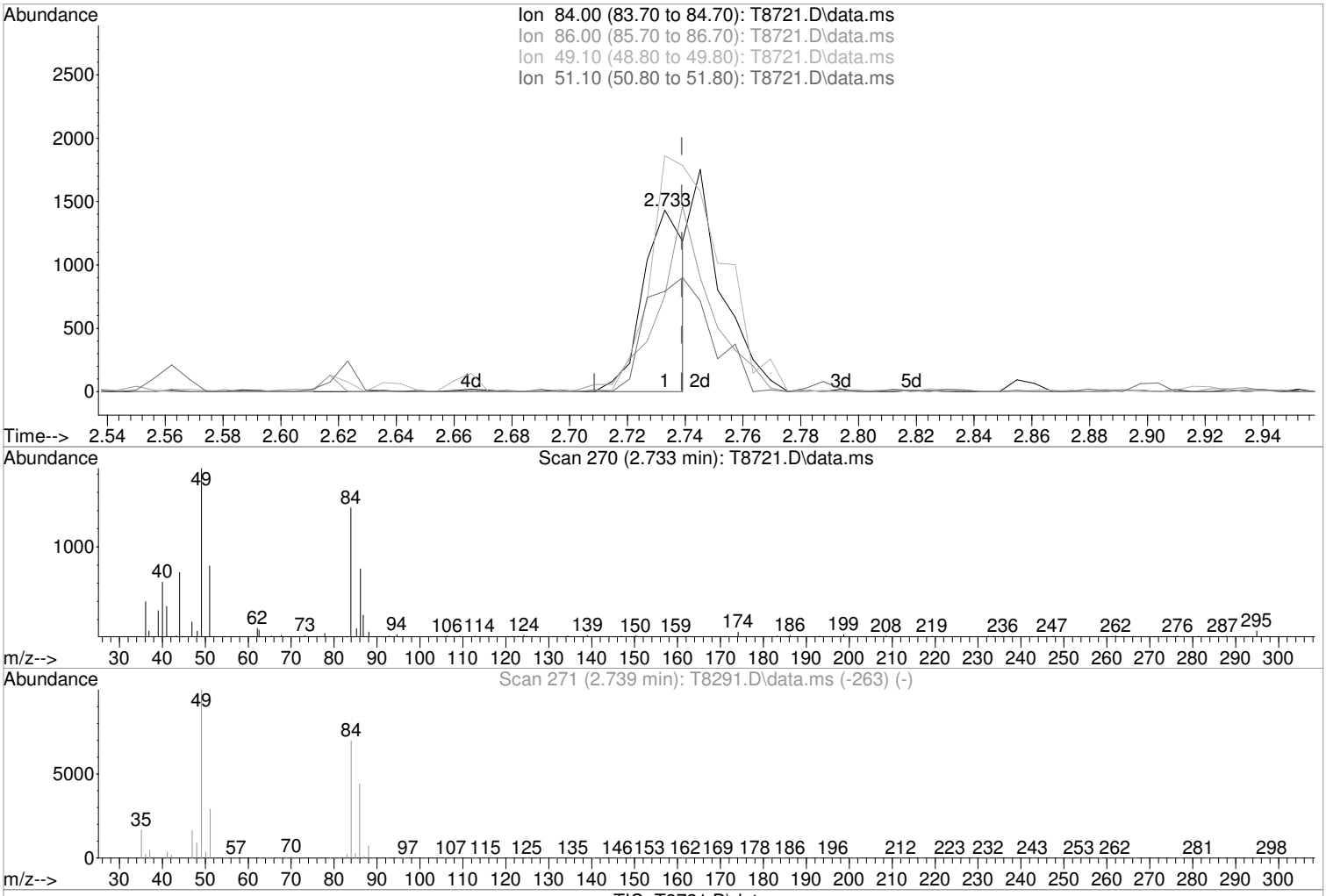
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(22) Methylene Chloride (P)

2.733min (-0.006) 0.56 ug/L

response 1448

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	52.97
49.10	143.30	130.19
51.10	41.60	55.28

Manual Integration:

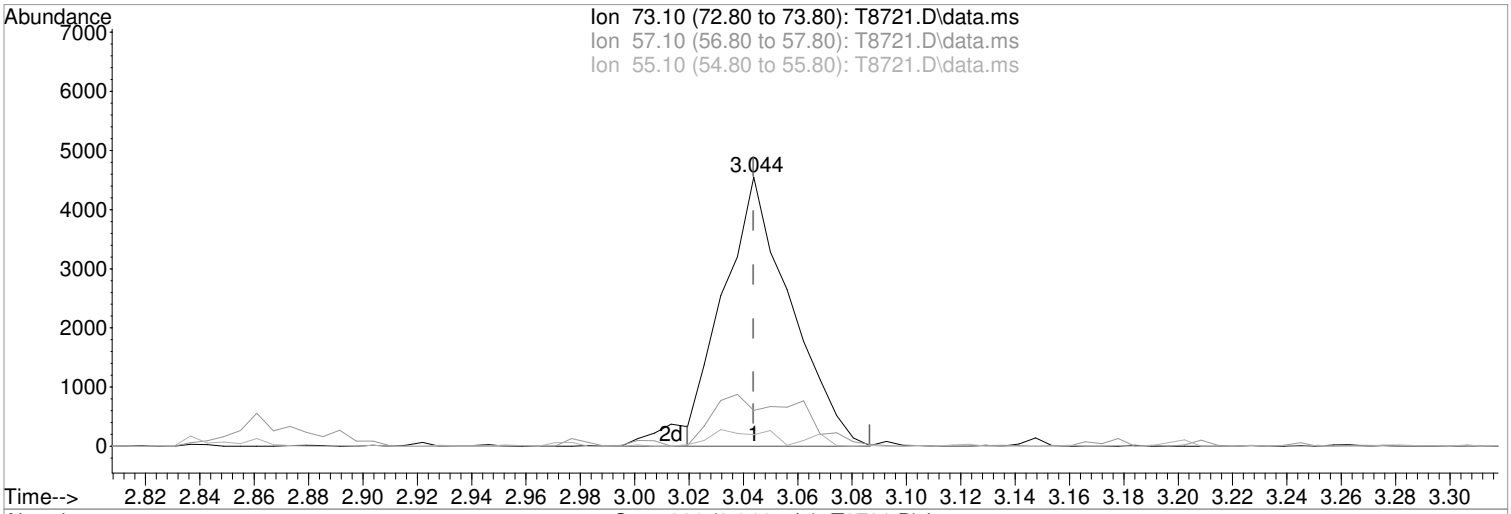
Before

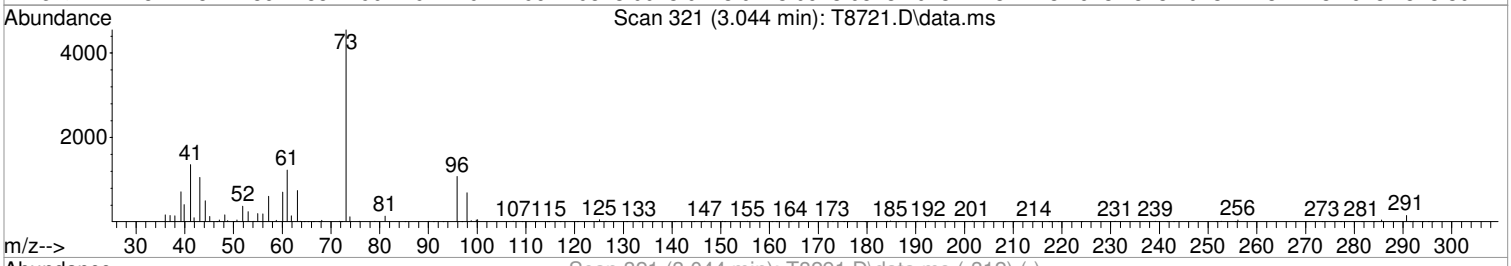
09/08/21

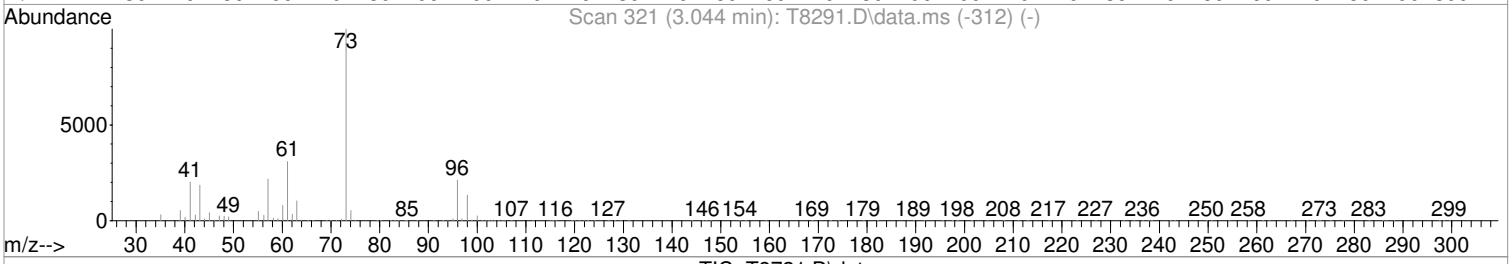
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

3.044min (+0.000) 0.96 ug/L m

response 8130

Ion	Exp%	Act%
73.10	100	100
57.10	21.80	13.34
55.10	4.90	4.33
0.00	0.00	0.00

Manual Integration:

After

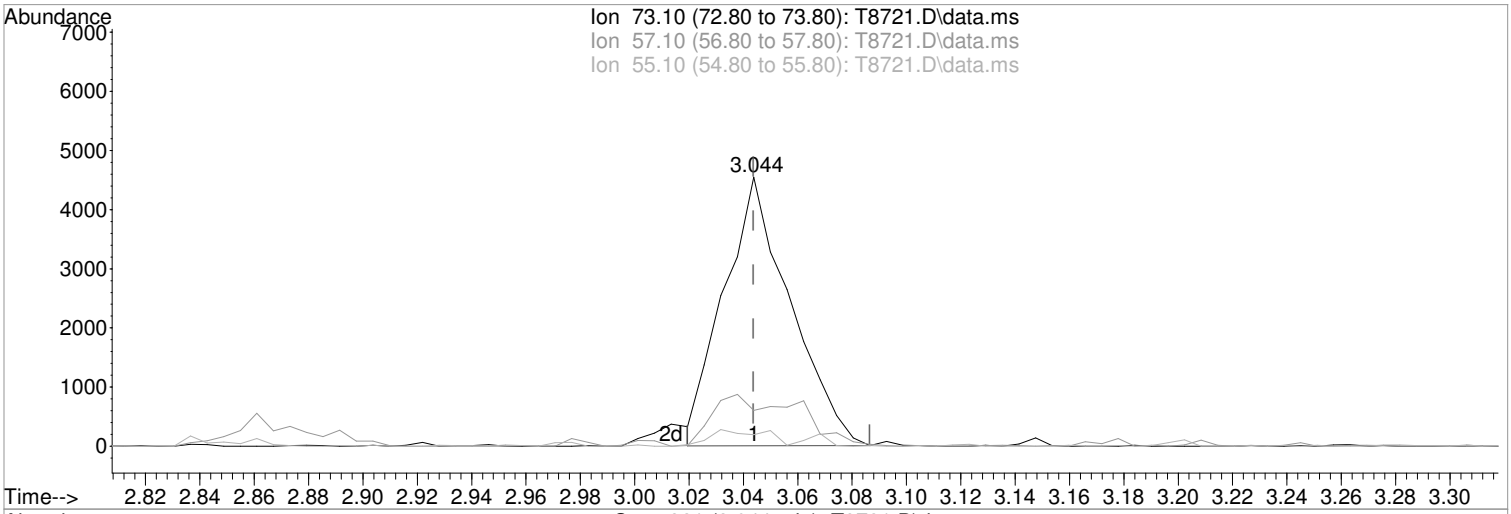
Poor integration.

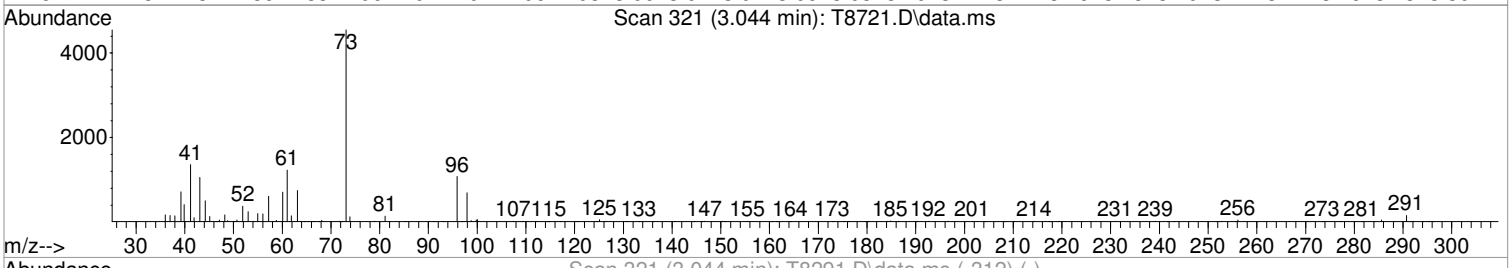
09/08/21

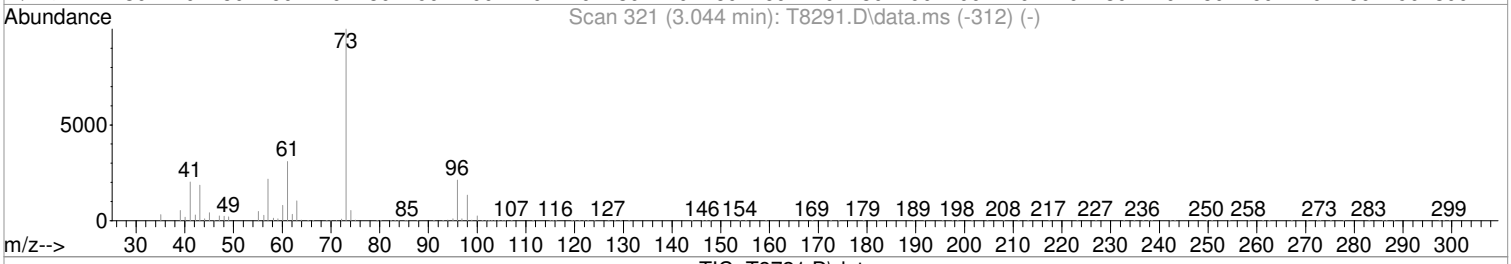
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

3.044min (+0.000) 0.91 ug/L

response 7711

Ion	Exp%	Act%
73.10	100	100
57.10	21.80	13.34
55.10	4.90	4.33
0.00	0.00	0.00

Manual Integration:

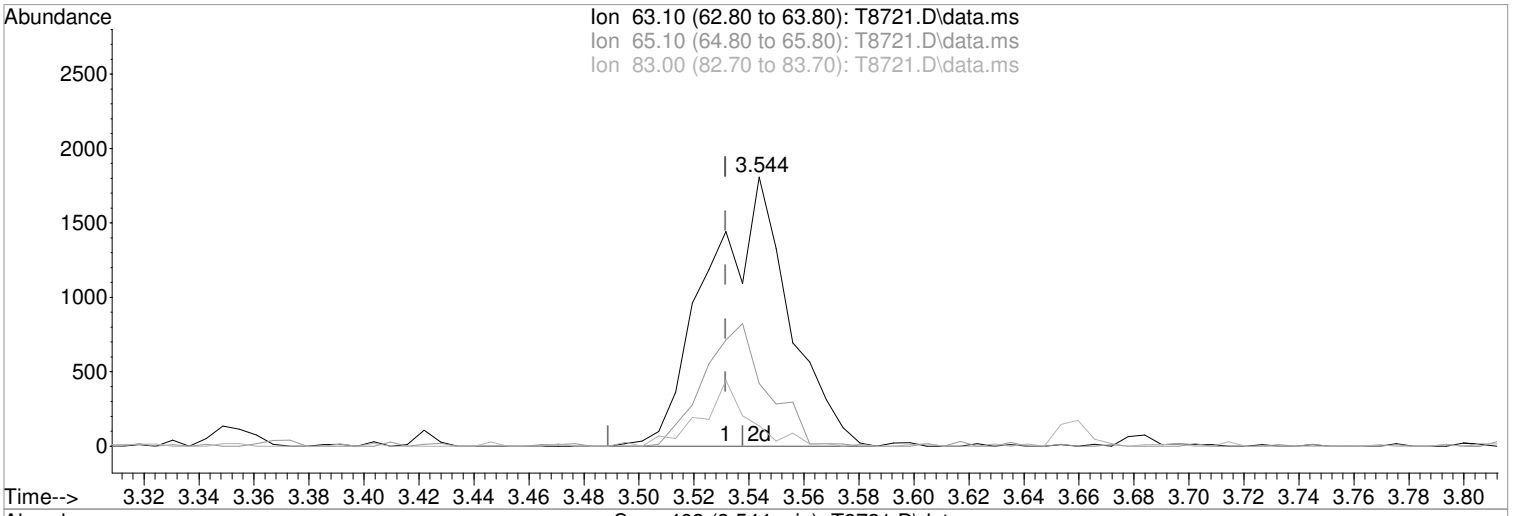
Before

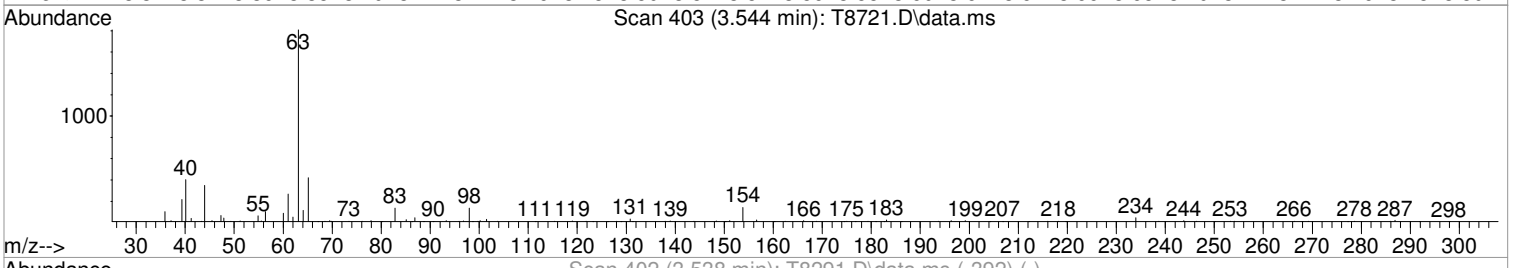
09/08/21

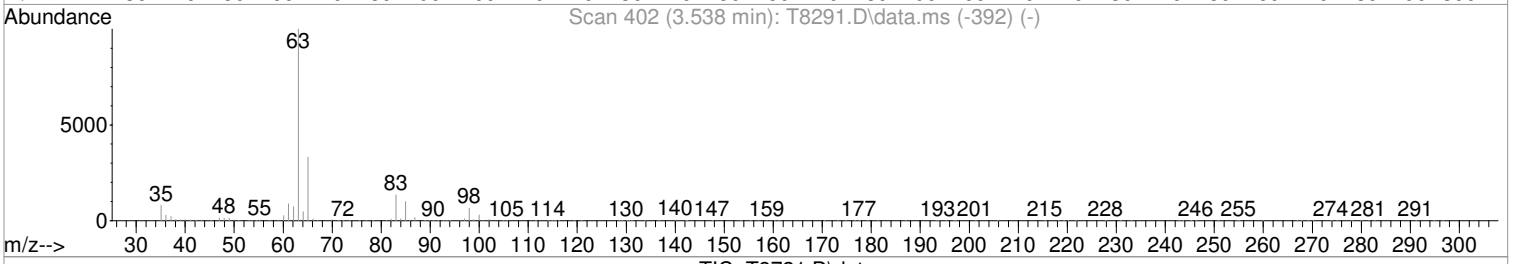
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(27) 1,1-Diclethane (P)

3.544min (+0.012) 0.88 ug/L m

response 3675

Ion	Exp%	Act%
63.10	100	100
65.10	33.30	23.34
83.00	13.50	7.58
0.00	0.00	0.00

Manual Integration:

After

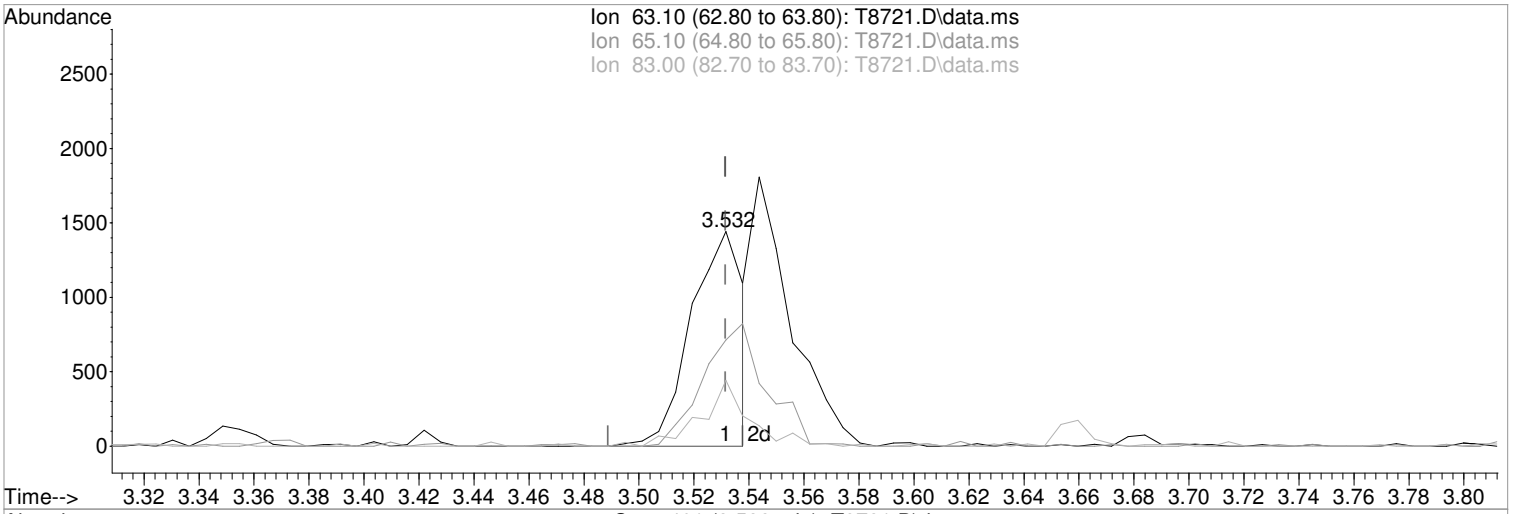
Poor integration.

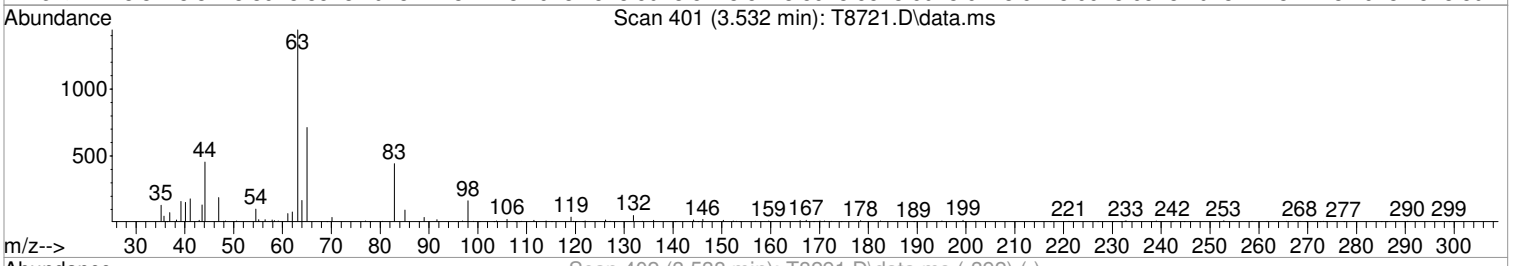
09/08/21

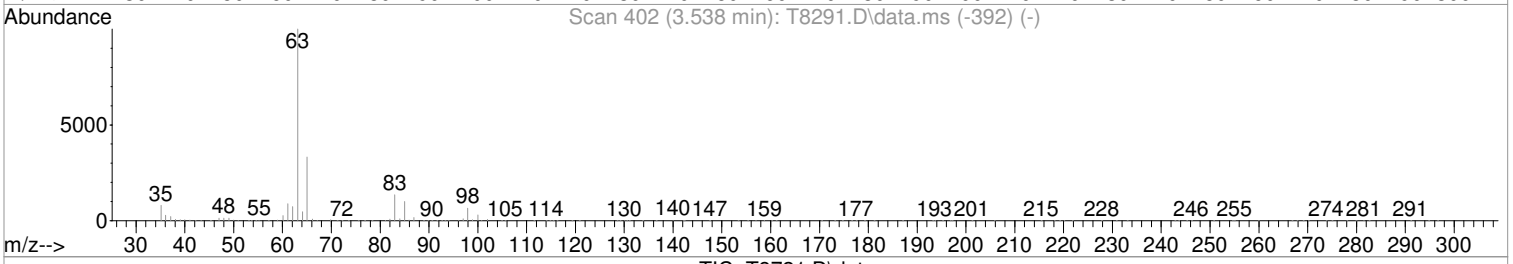
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(27) 1,1-Diclethane (P)

3.532min (+0.000) 0.46 ug/L

response 1900

Ion	Exp%	Act%
63.10	100	100
65.10	33.30	49.45
83.00	13.50	30.65
0.00	0.00	0.00

Manual Integration:

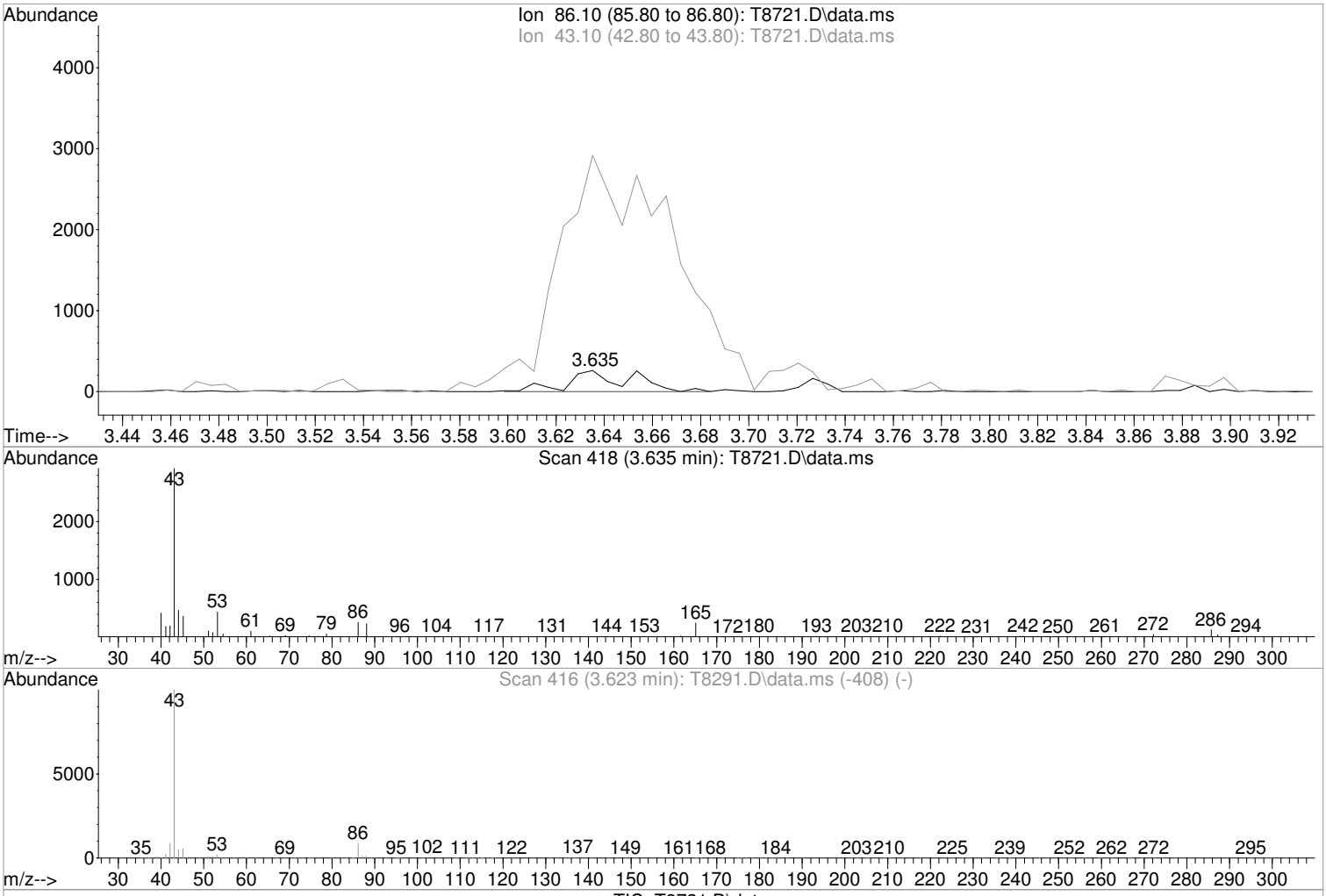
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(28) Vinyl Acetate

3.635min (+0.006) 0.82 ug/L m

response 470

Ion	Exp%	Act%
86.10	100	100
43.10	1150.60	1125.87#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

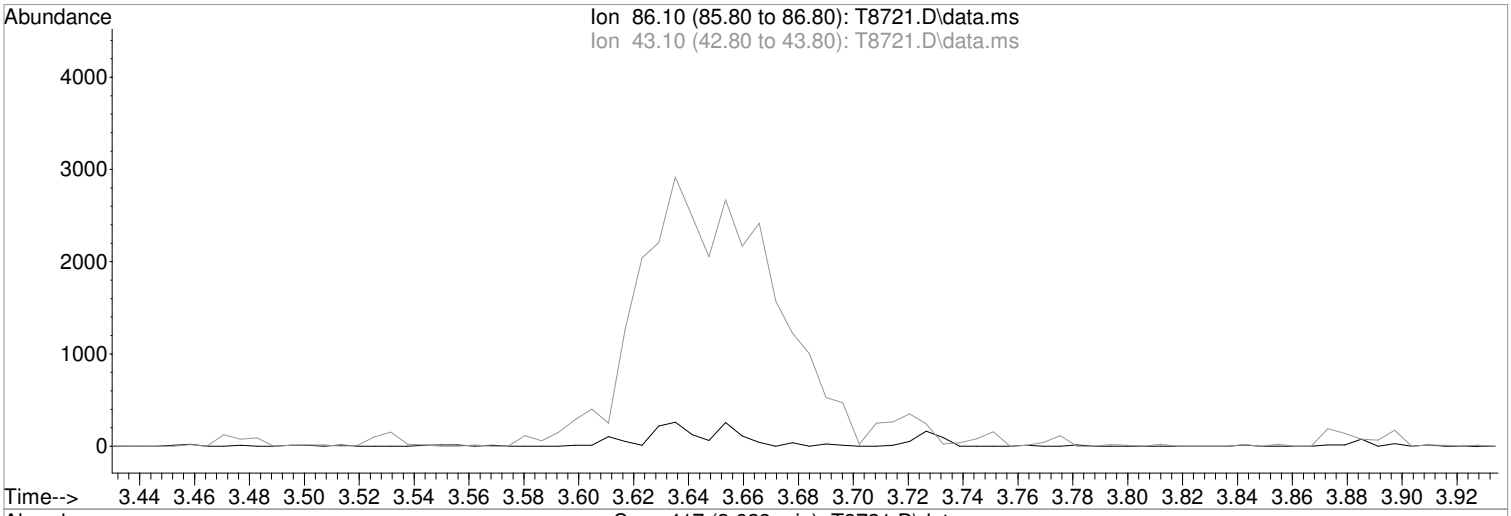
09/08/21

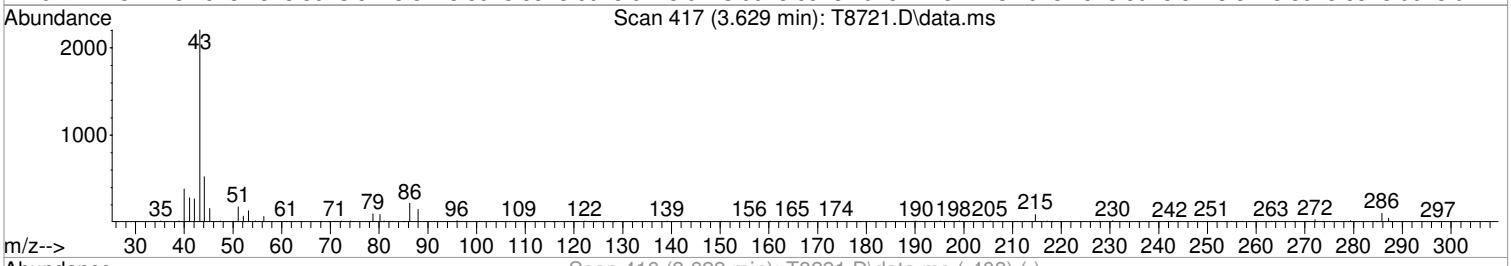
1st FW 09/08/21
2nd 09/08/21

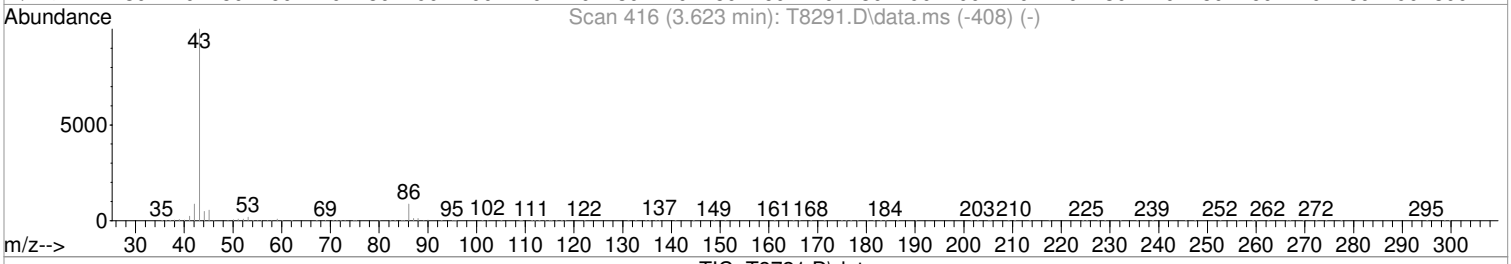
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(28) Vinyl Acetate

3.629min (-3.629) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.10	100	0.00
43.10	1150.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

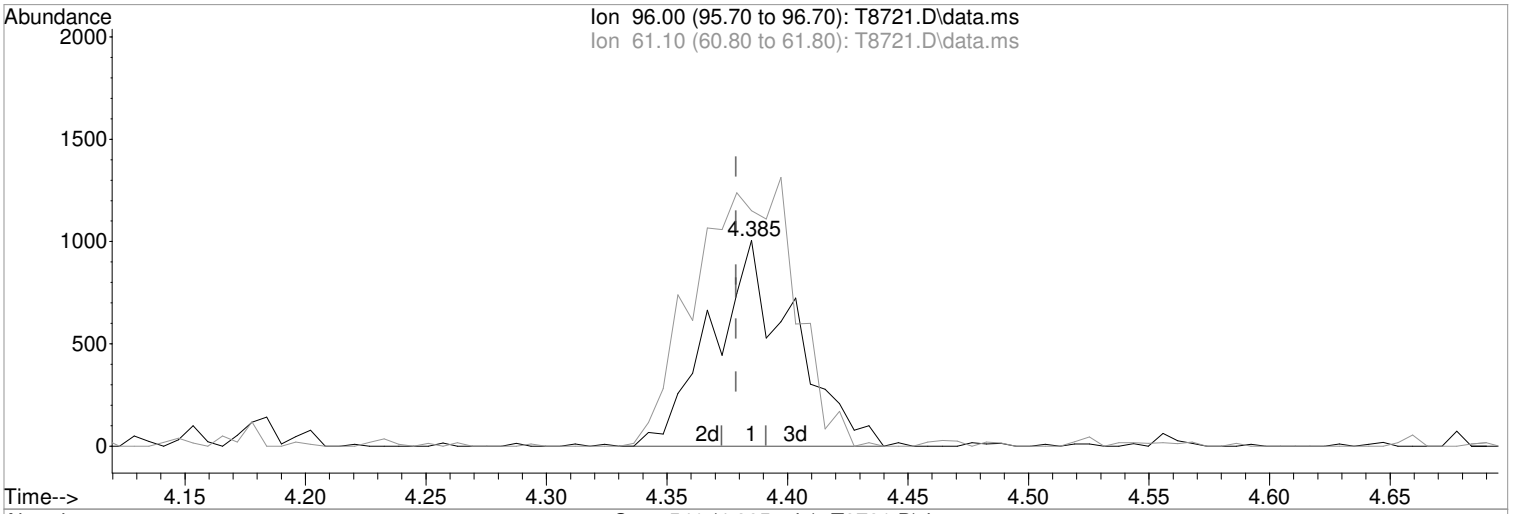
Before

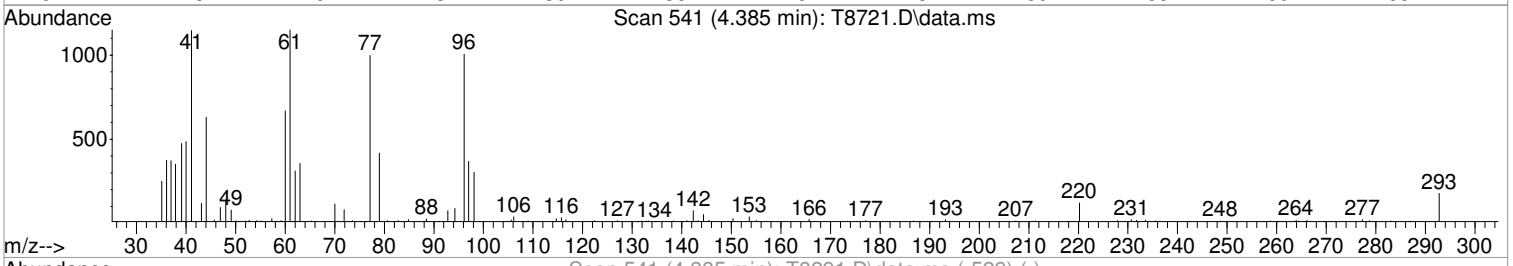
09/08/21

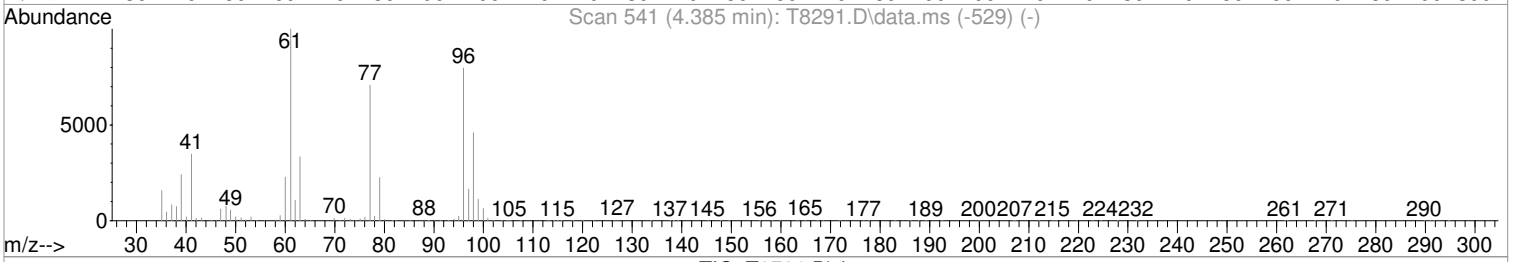
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

4.385min (+0.006) 0.94 ug/L m

response 2353

Ion	Exp%	Act%
96.00	100	100
61.10	125.60	114.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

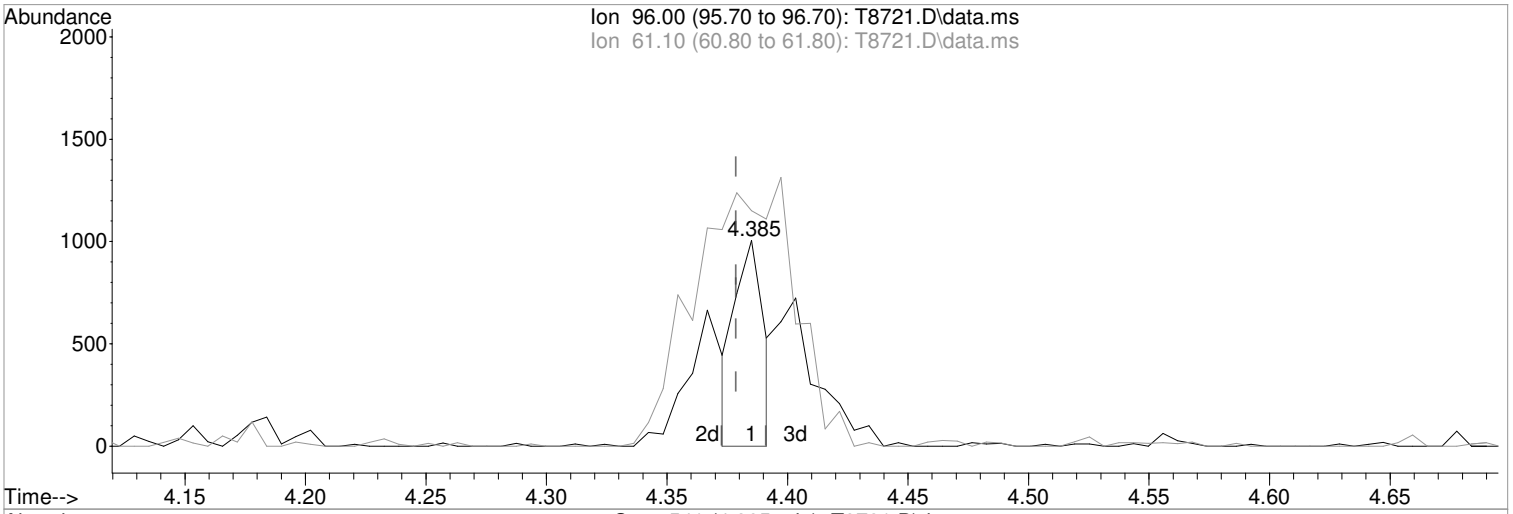
Poor integration.

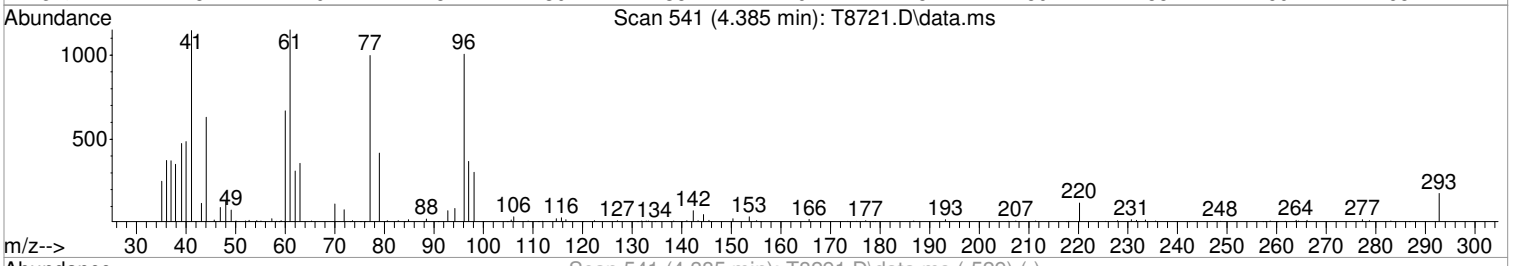
09/08/21

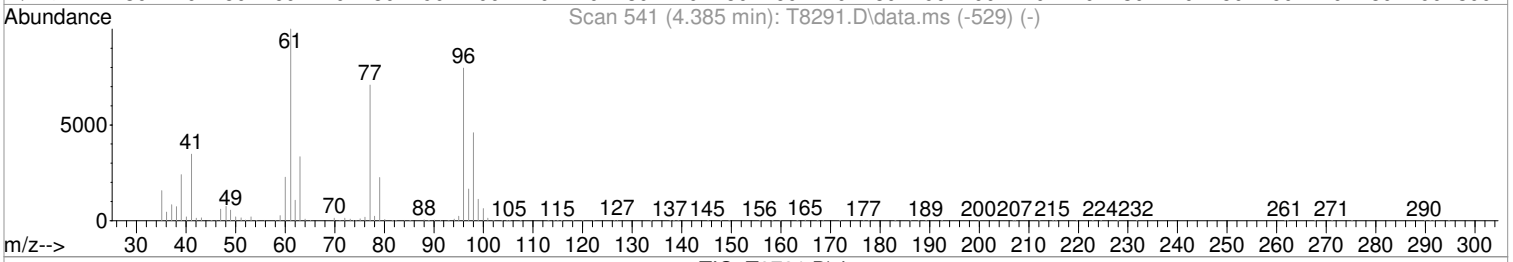
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

4.385min (+0.006) 0.33 ug/L

response 834

Ion	Exp%	Act%
96.00	100	100
61.10	125.60	114.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

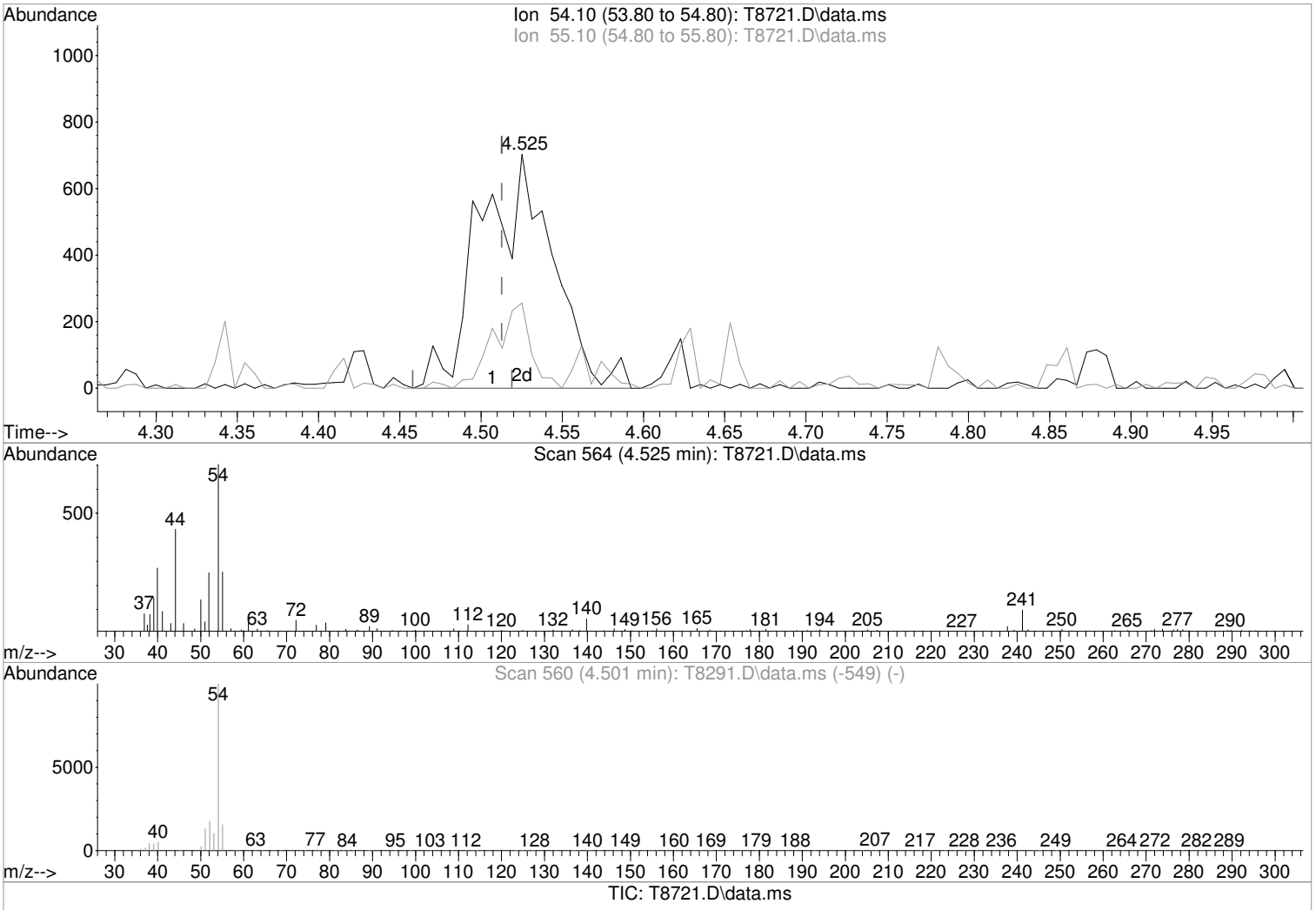
09/08/21

1st FN 09/08/21
2nd 09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(35) Propionitrile

4.525min (+0.012) 3.52 ug/L m

response 2195

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	36.42#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

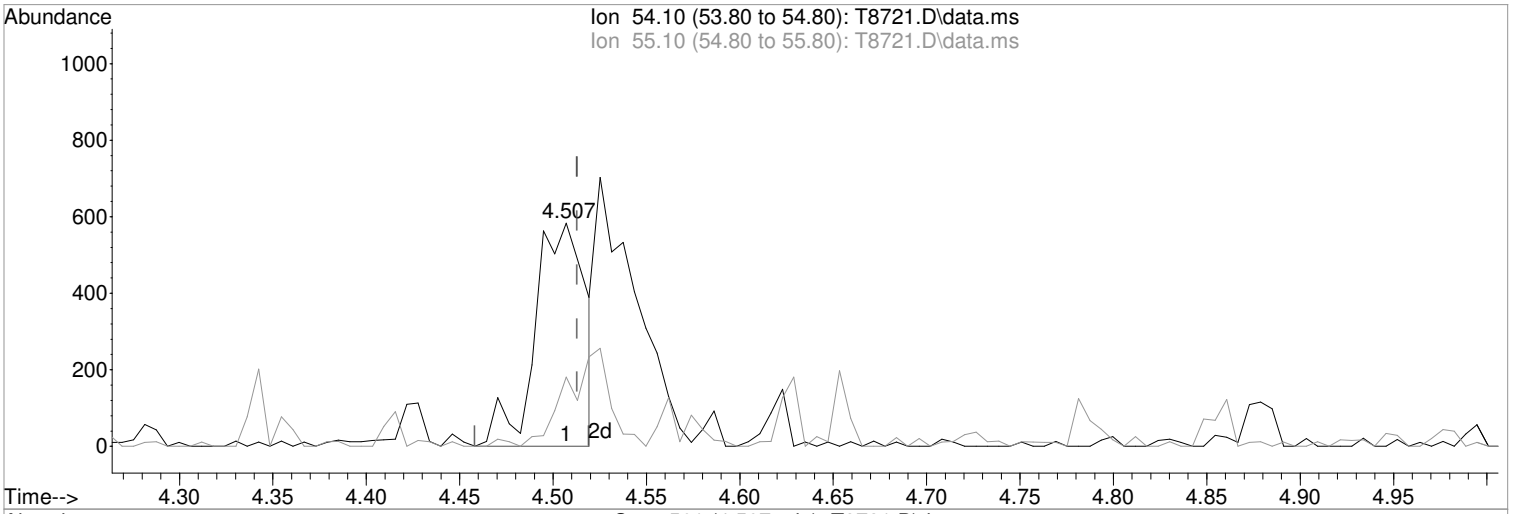
Poor integration.

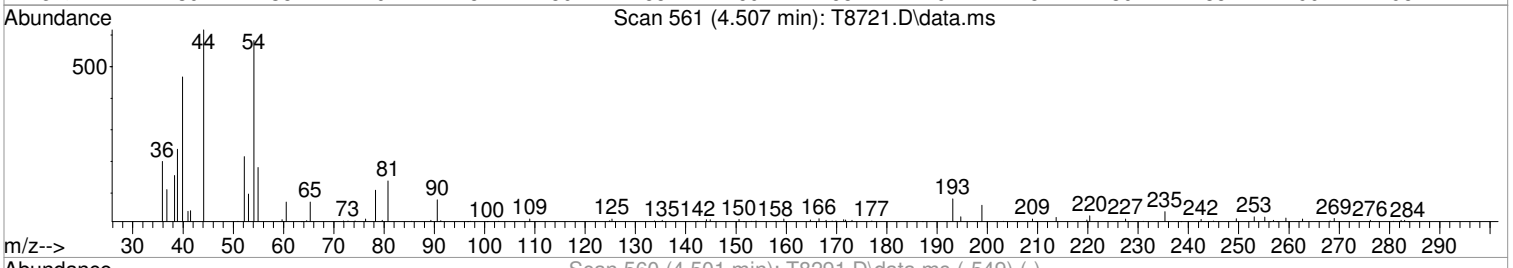
09/08/21

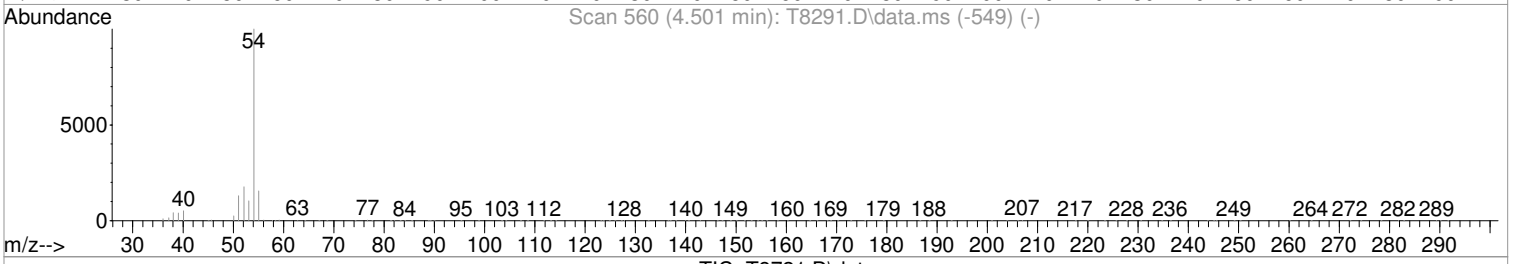
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(35) Propionitrile

4.507min (-0.006) 1.75 ug/L

response 1088

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	31.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

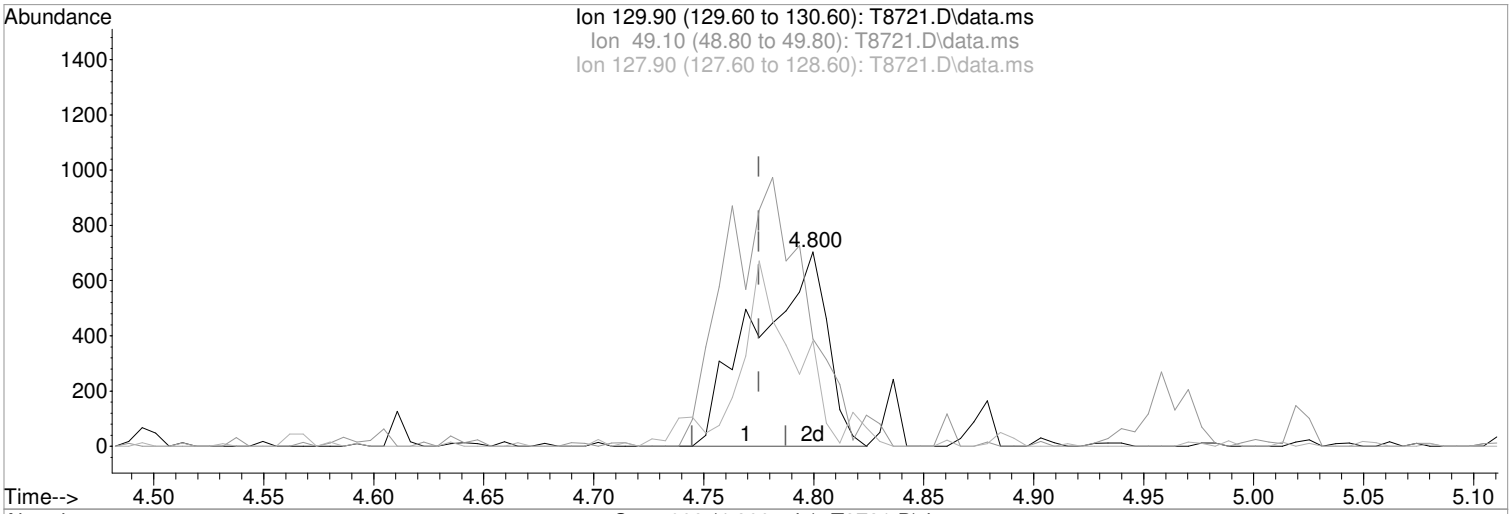
09/08/21

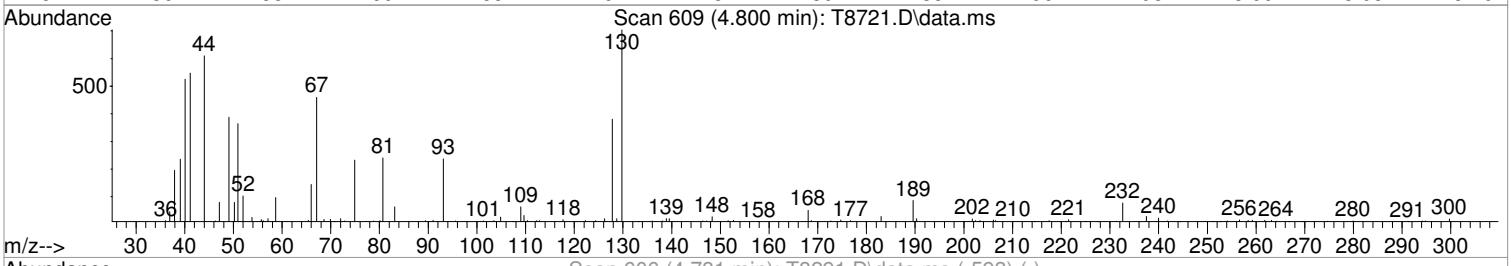
1st FN 09/08/21
2nd 09/08/21

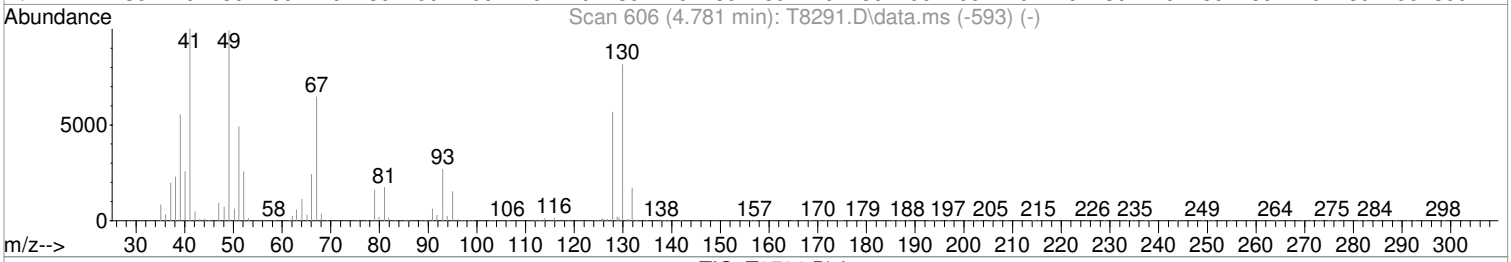
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(36) Bromochloromethane

4.800min (+0.025) 0.97 ug/L m

response 1590

Ion	Exp%	Act%
129.90	100	100
49.10	121.80	55.11#
127.90	69.40	54.12
0.00	0.00	0.00

Manual Integration:

After

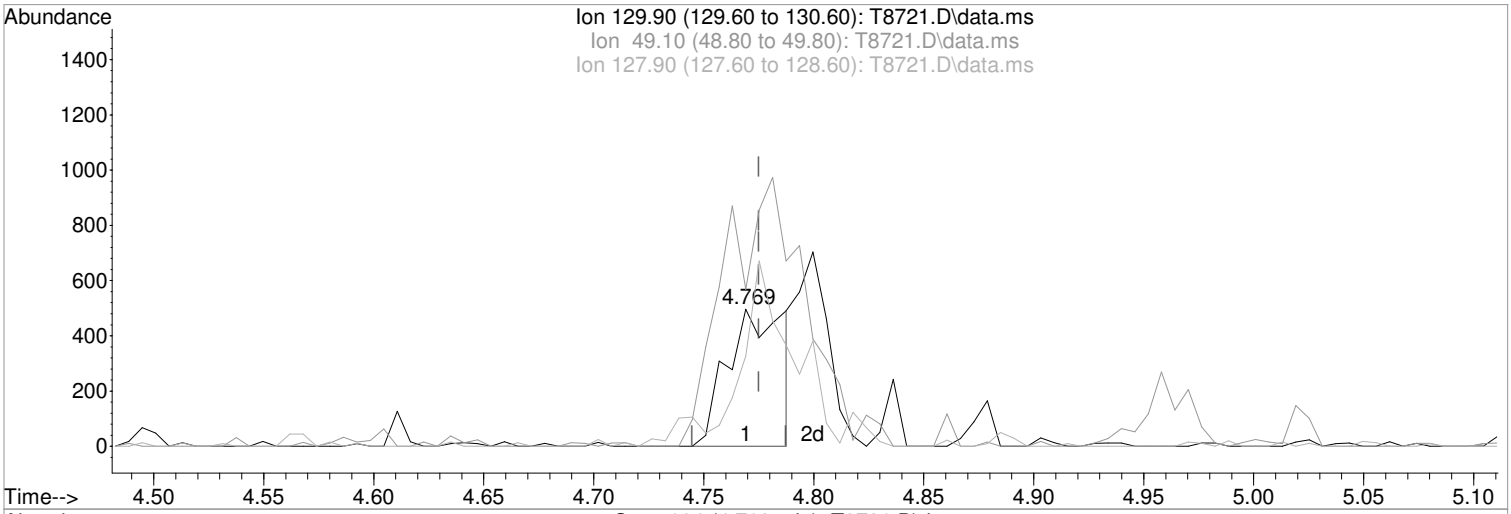
Poor integration.

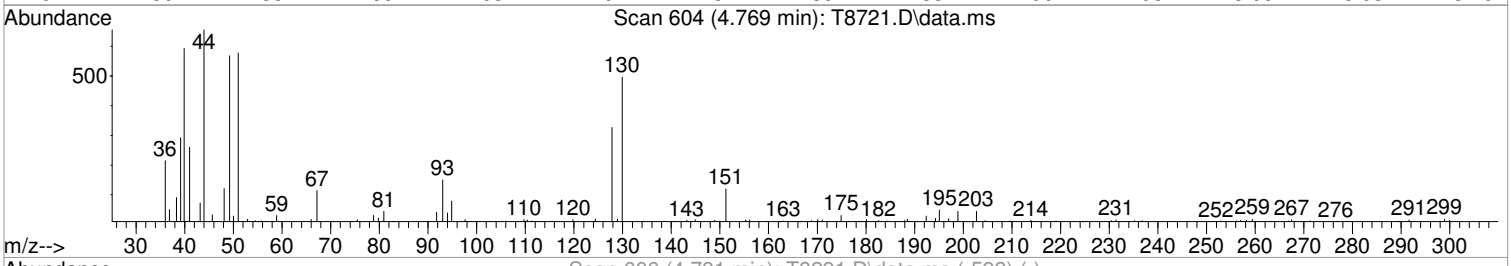
09/08/21

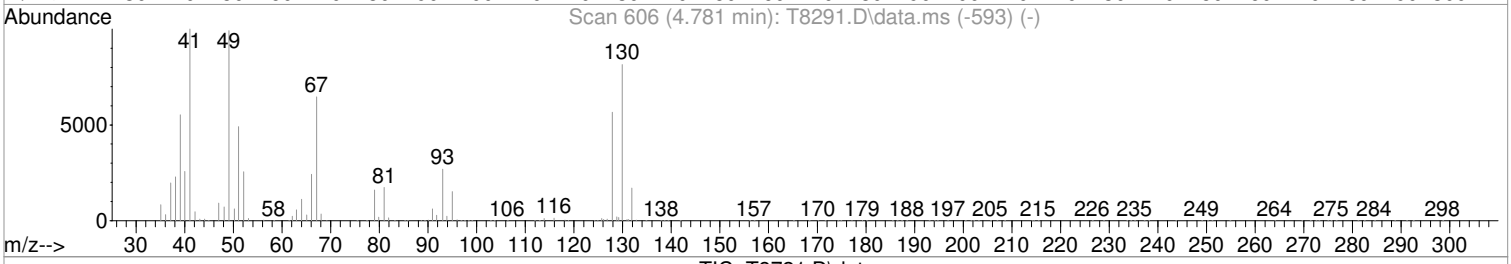
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(36) Bromochloromethane

4.769min (-0.006) 0.55 ug/L

response 897

Ion	Exp%	Act%
129.90	100	100
49.10	121.80	114.52
127.90	69.40	65.93
0.00	0.00	0.00

Manual Integration:

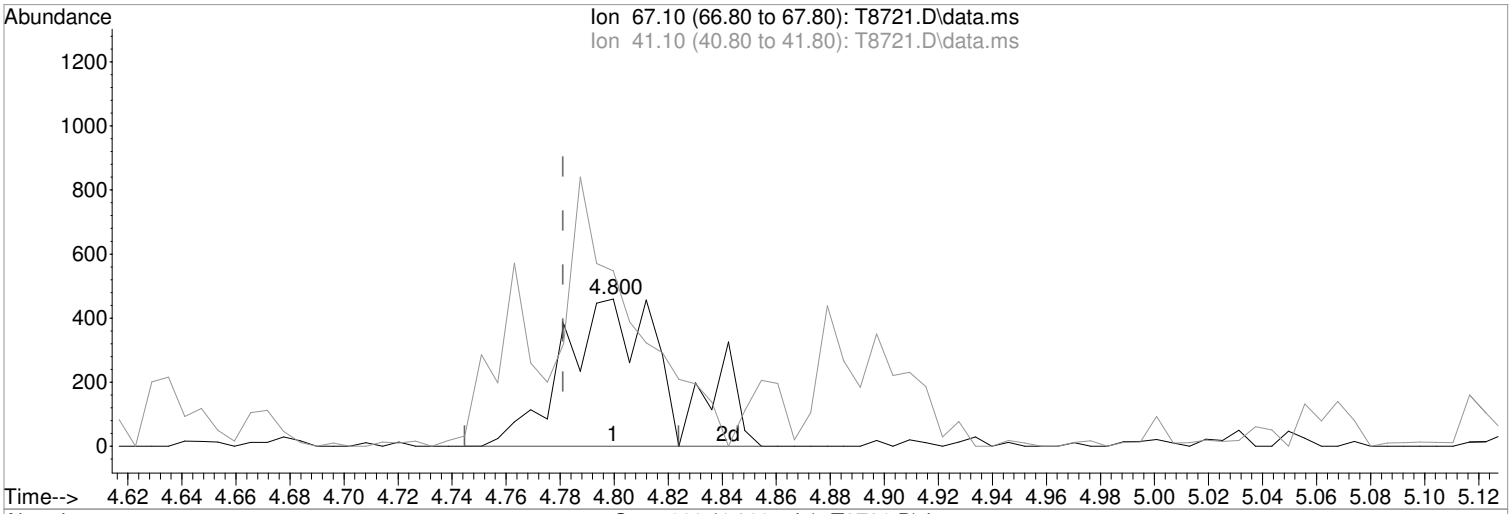
Before

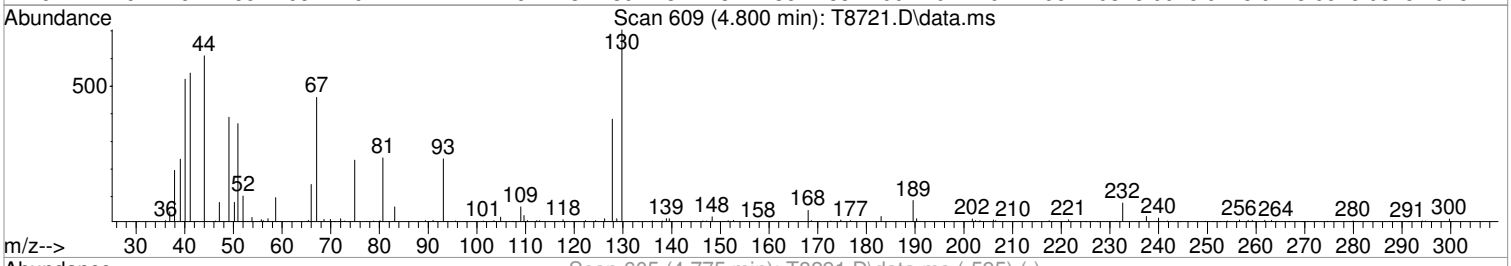
09/08/21

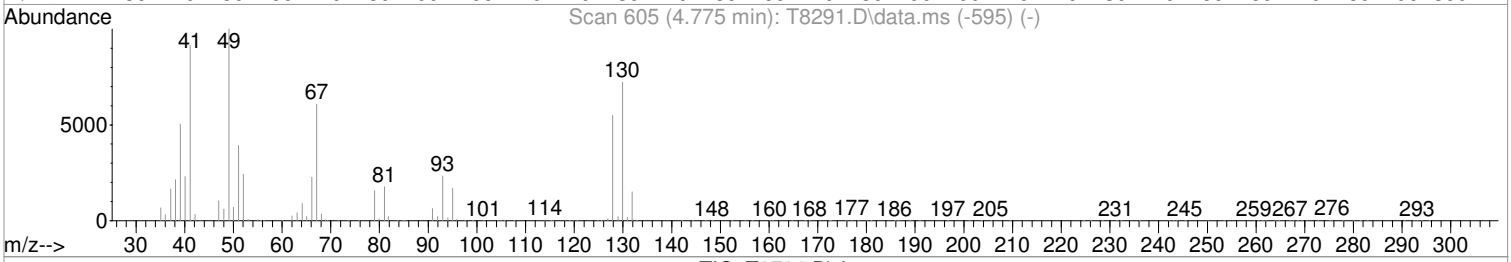
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(37) Methacrylonitrile

4.800min (+0.018) 0.89 ug/L m

response 1284

Ion	Exp%	Act%
67.10	100	100
41.10	151.00	119.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

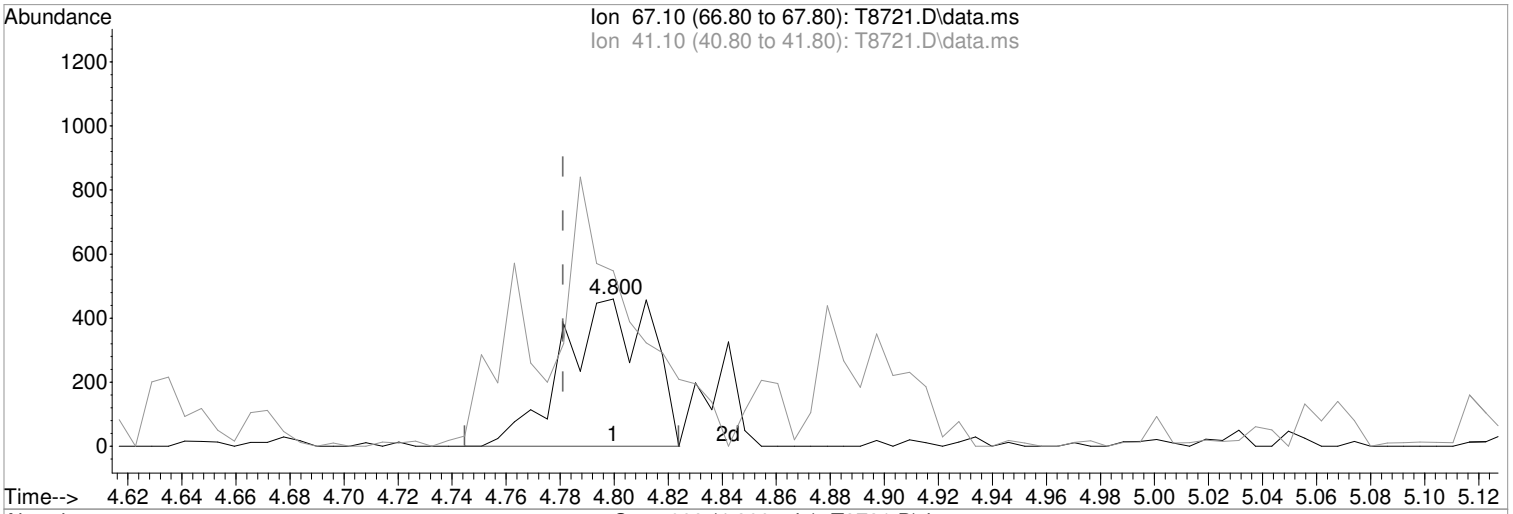
Poor integration.

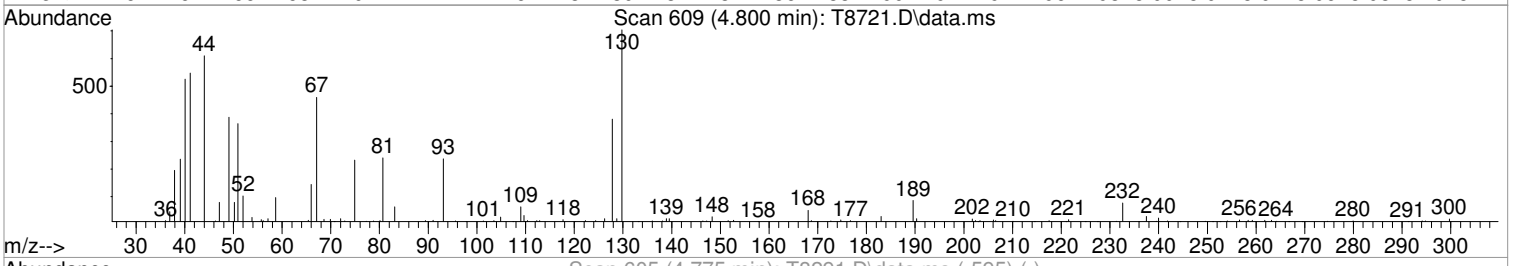
09/08/21

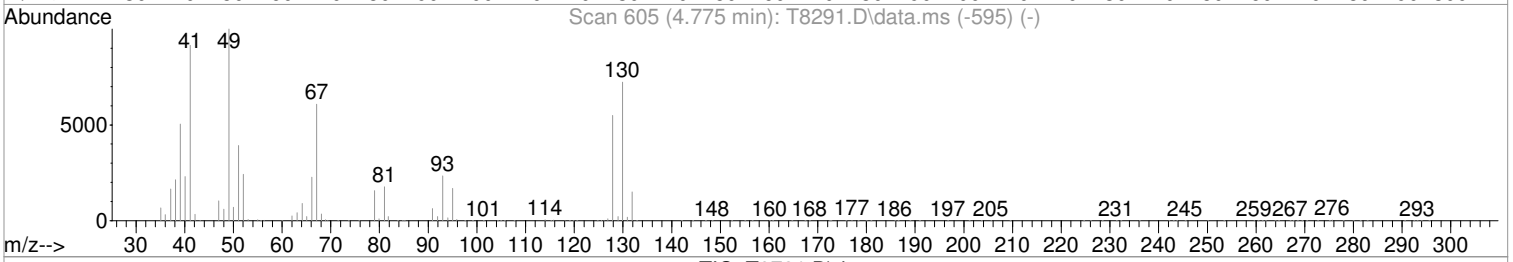
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(37) Methacrylonitrile

4.800min (+0.018) 0.71 ug/L

response 1033

Ion	Exp%	Act%
67.10	100	100
41.10	151.00	119.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

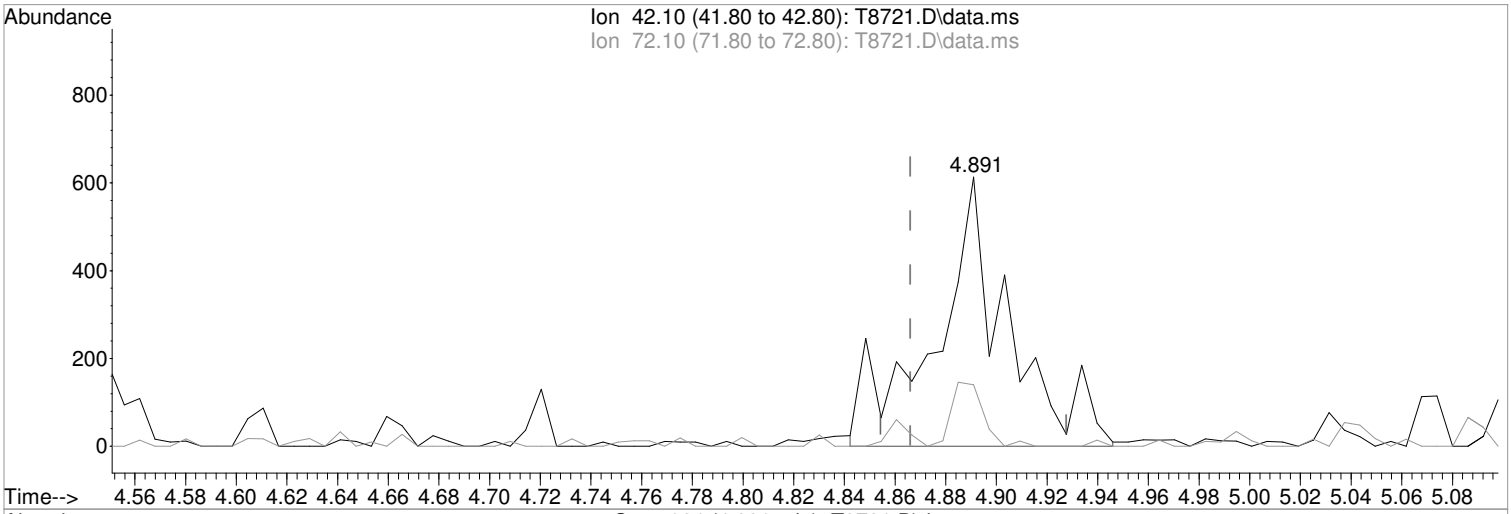
Before

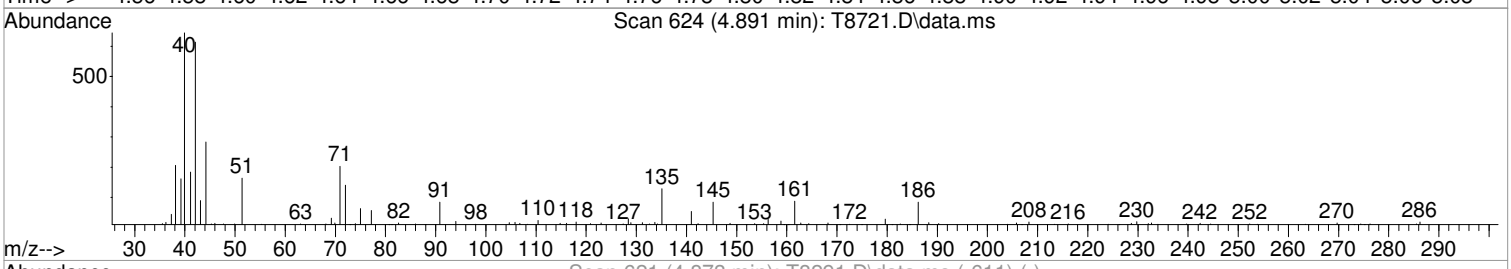
09/08/21

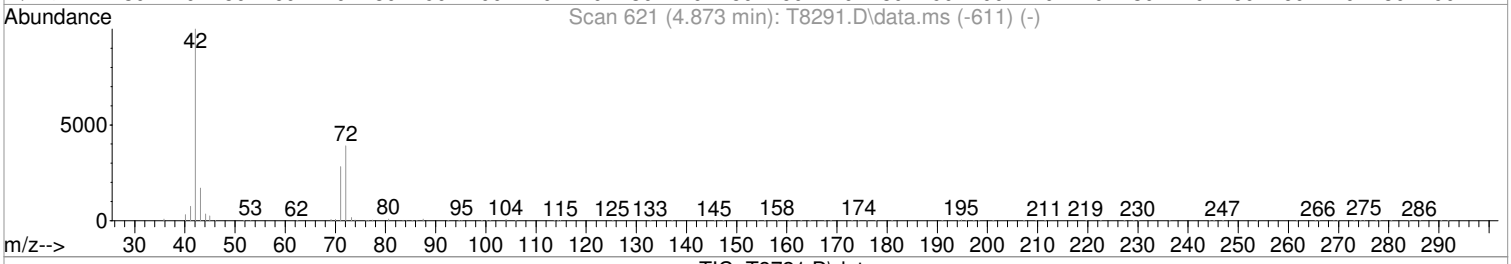
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(38) Tetrahydrofuran

4.891min (+0.025) 0.91 ug/L m

response 1235

Ion	Exp%	Act%
42.10	100	100
72.10	38.40	22.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

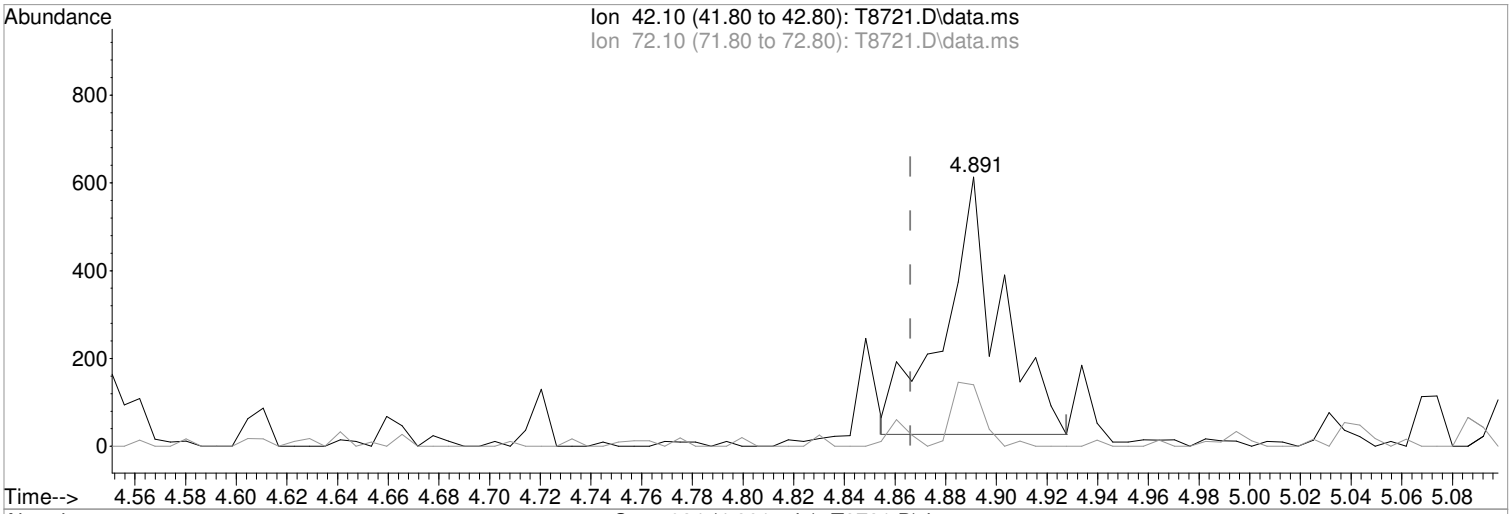
Poor integration.

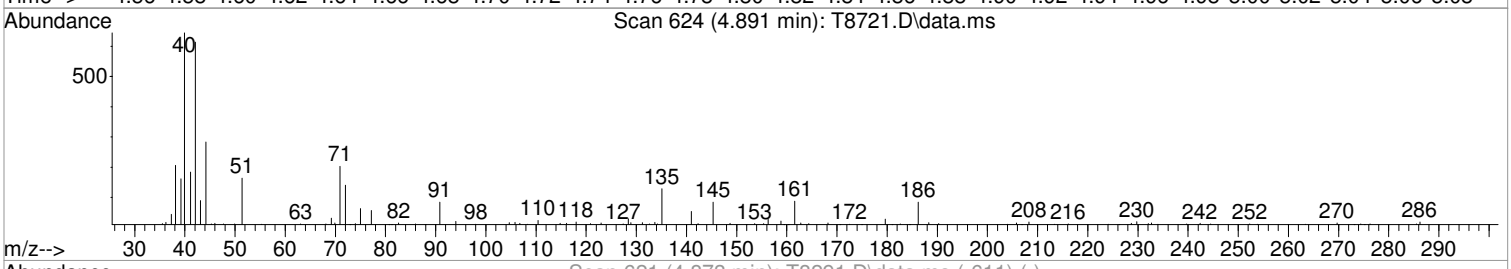
09/08/21

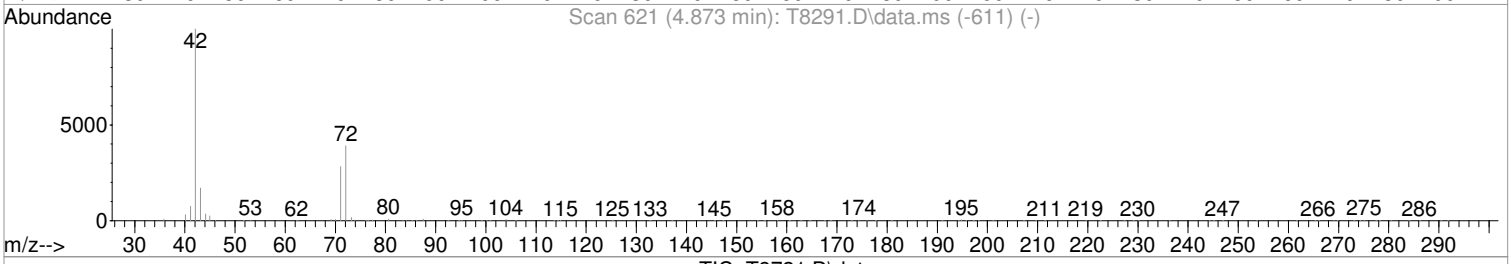
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(38) Tetrahydrofuran

4.891min (+0.025) 0.67 ug/L

response 912

Ion	Exp%	Act%
42.10	100	100
72.10	38.40	22.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

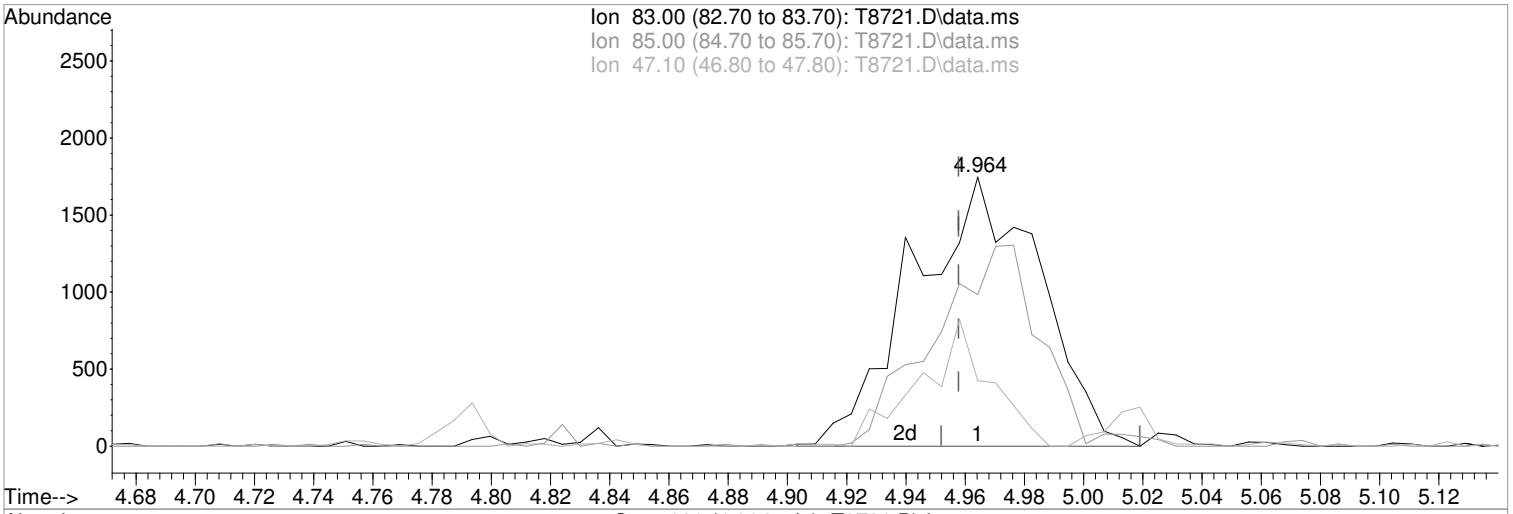
Before

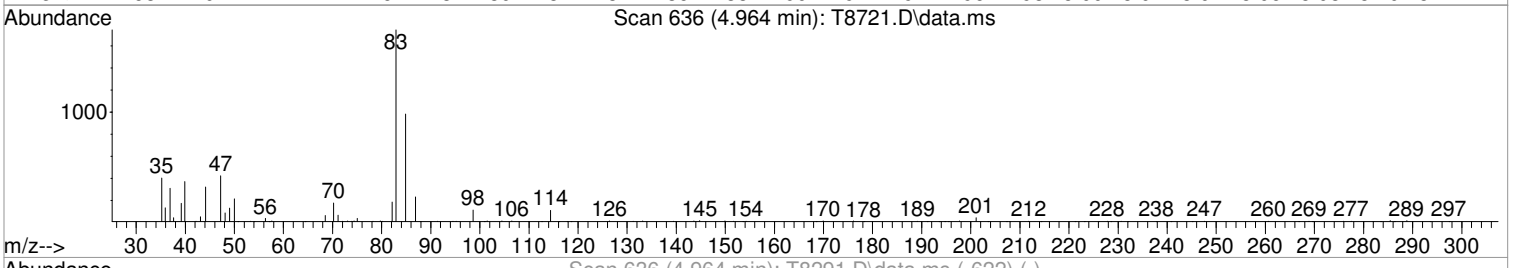
09/08/21

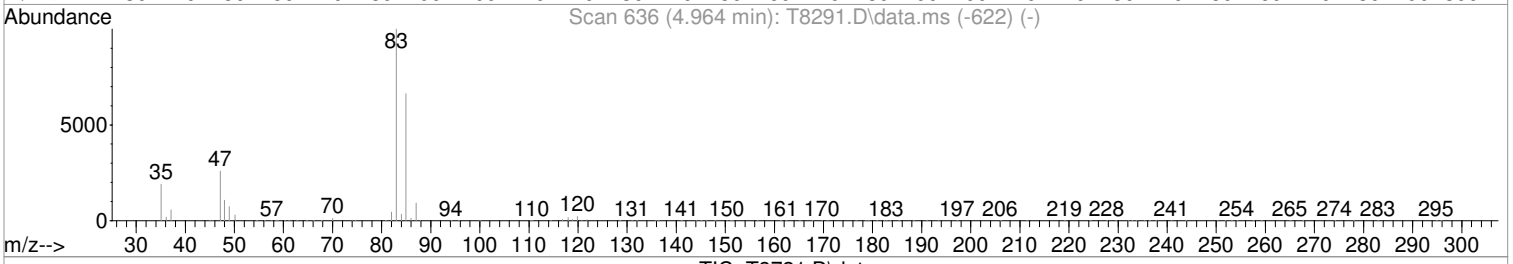
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(39) Chloroform (P)

4.964min (+0.006) 1.16 ug/L m

response 5182

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	56.41
47.10	25.90	24.34
0.00	0.00	0.00

Manual Integration:

After

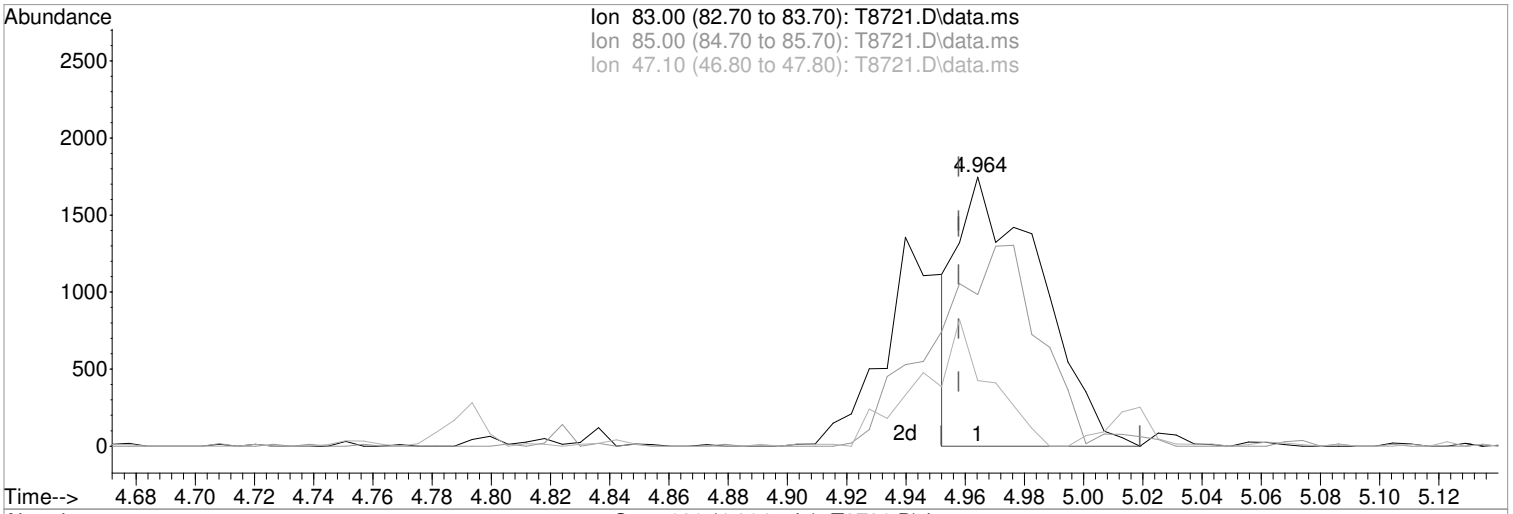
Poor integration.

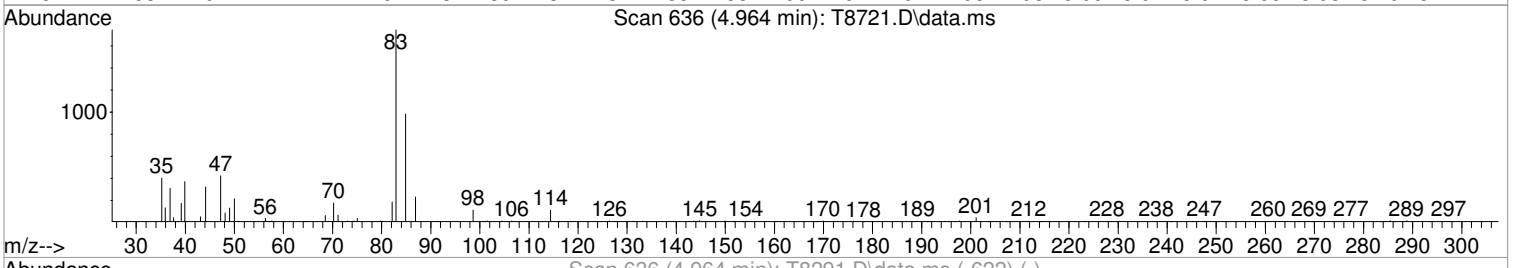
09/08/21

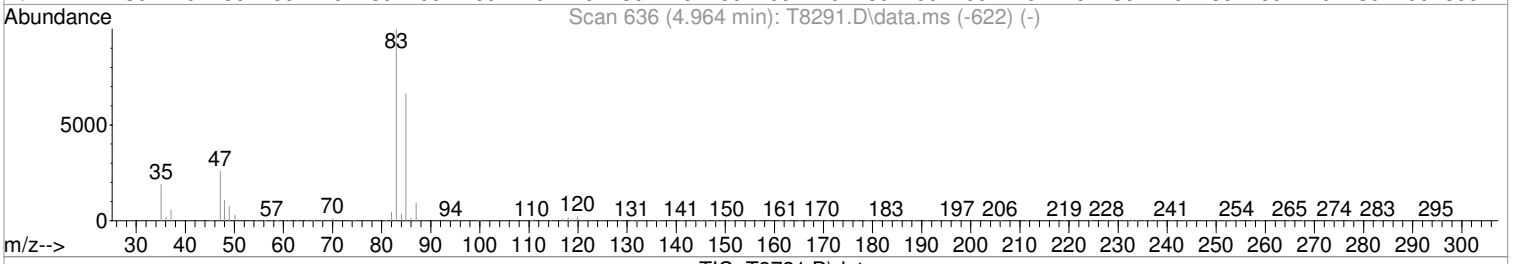
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(39) Chloroform (P)

4.964min (+0.006) 0.75 ug/L

response 3369

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	56.41
47.10	25.90	24.34
0.00	0.00	0.00

Manual Integration:

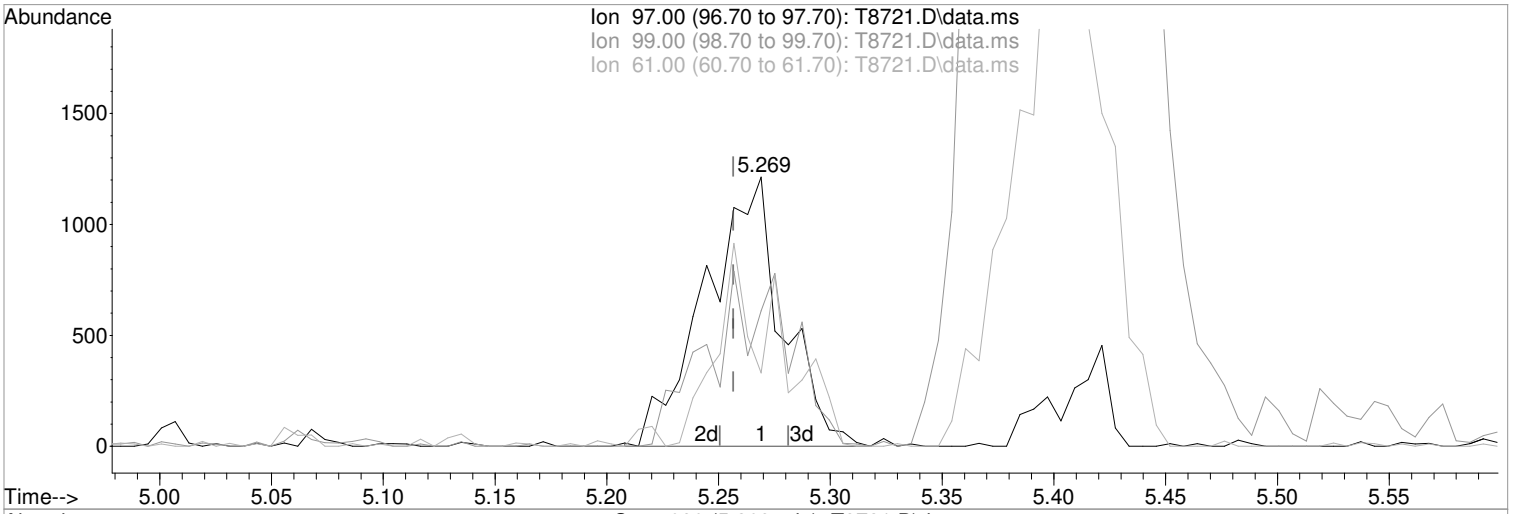
Before

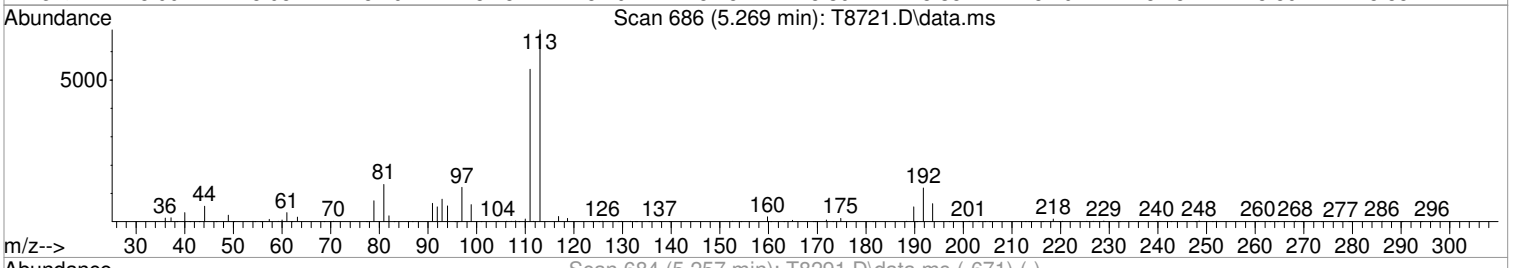
09/08/21

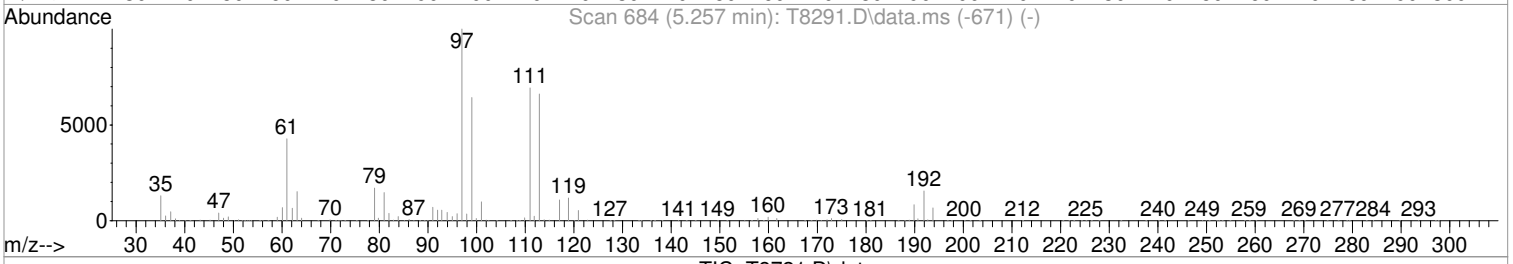
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

5.269min (+0.012) 0.91 ug/L m

response 2916

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	50.29
61.00	42.80	27.29
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

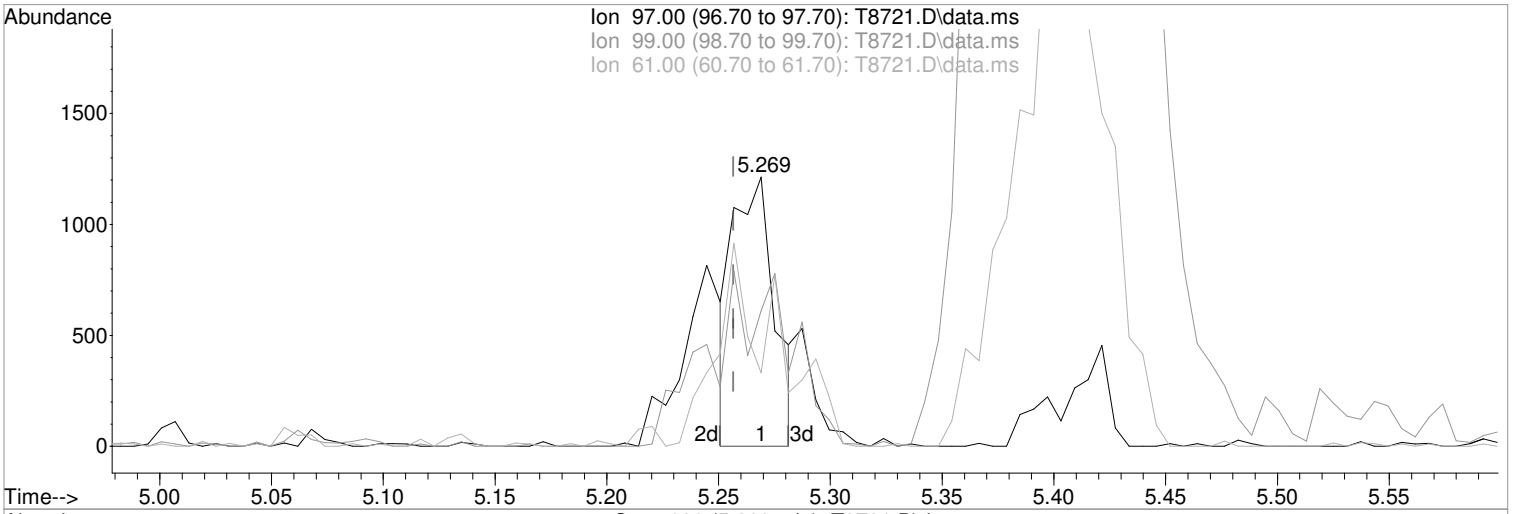
09/08/21

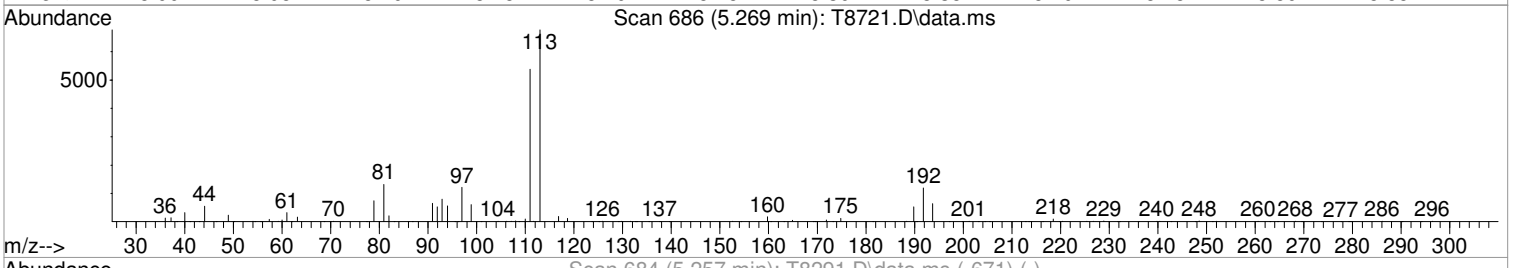
1st FW 09/08/21
2nd WR 09/08/21

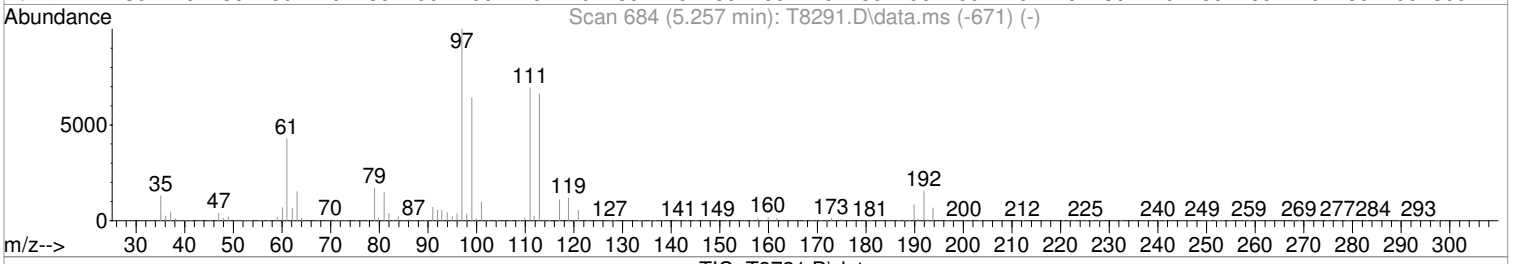
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

5.269min (+0.012) 0.49 ug/L

response 1577

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	50.29
61.00	42.80	27.29
0.00	0.00	0.00

Manual Integration:

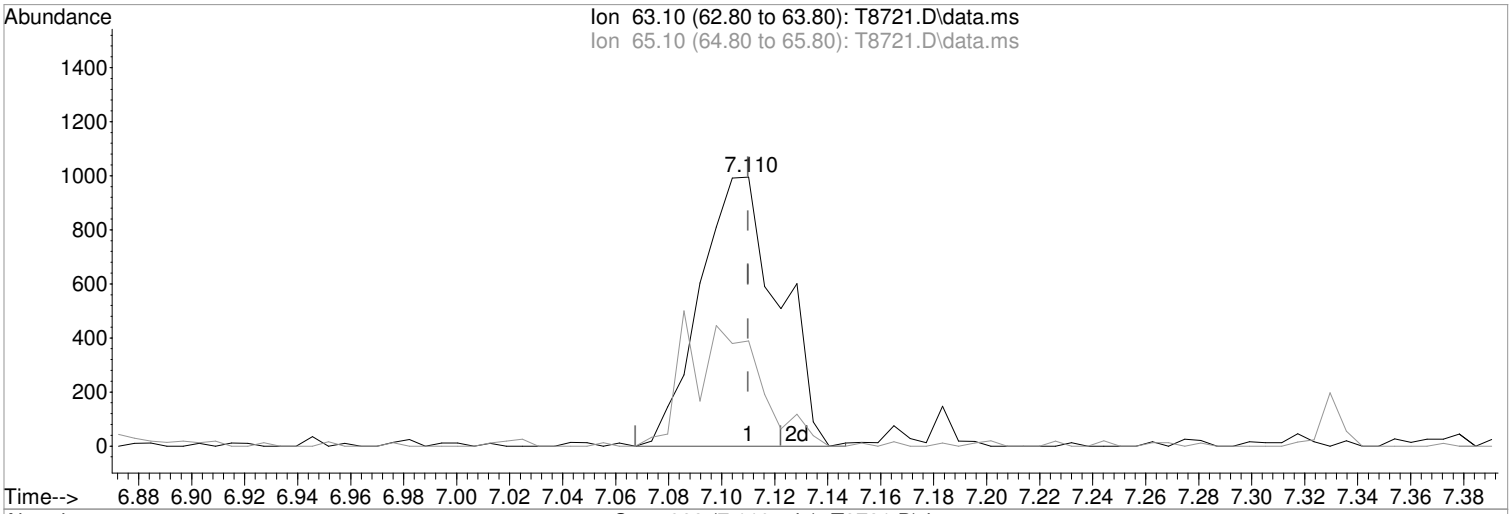
Before

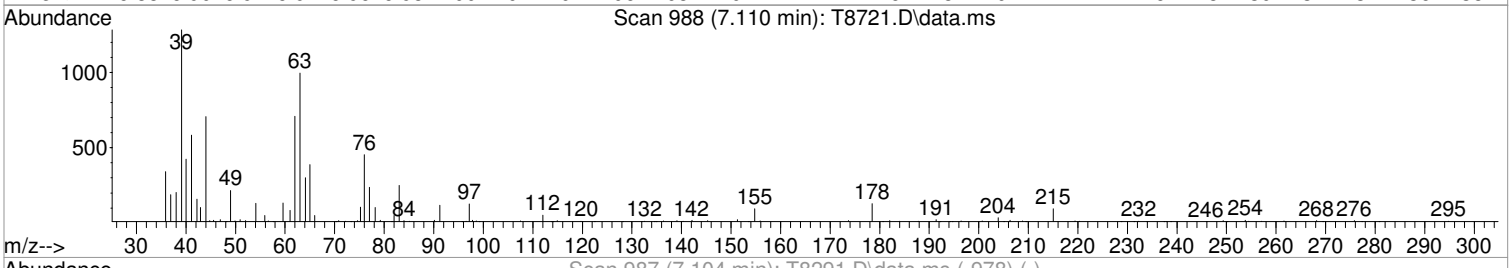
09/08/21

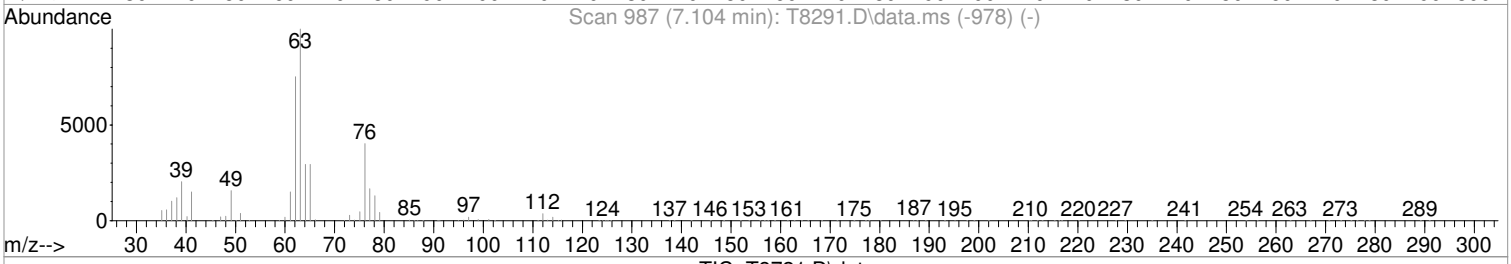
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(55) 1,2-Diclpropane (P)

7.110min (+0.000) 0.77 ug/L m

response 2059

Ion	Exp%	Act%
63.10	100	100
65.10	31.20	39.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

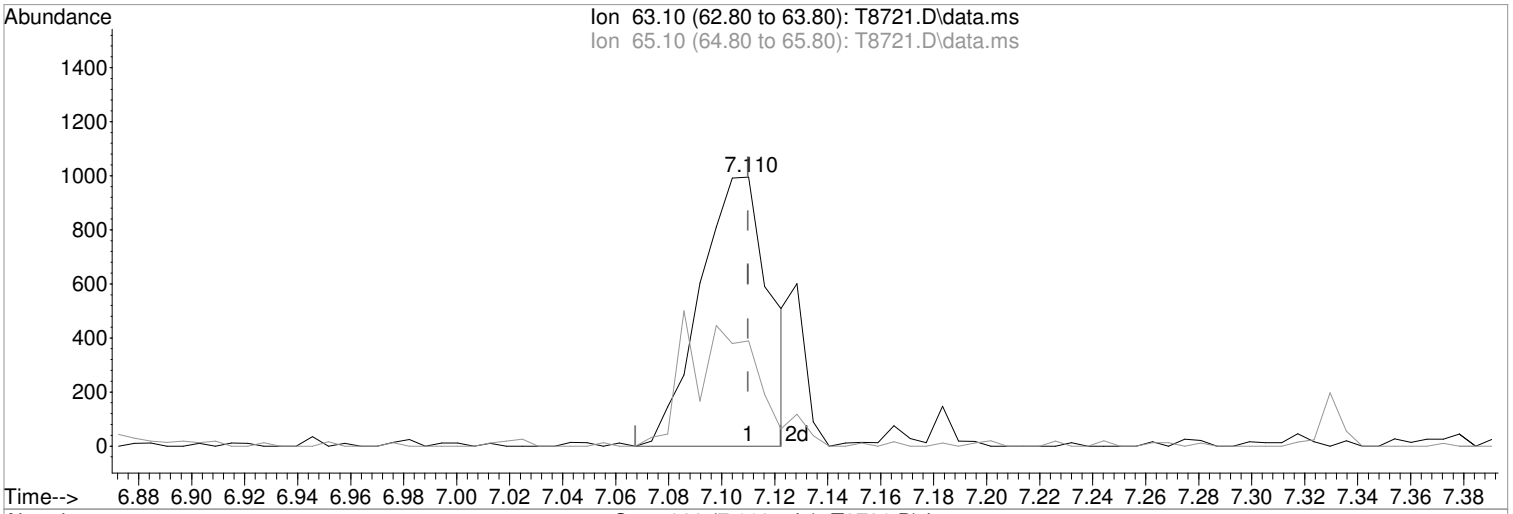
Poor integration.

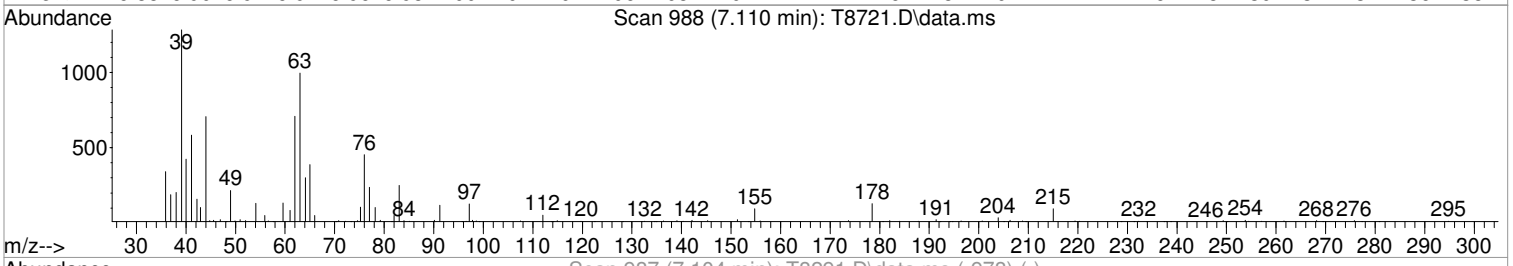
09/08/21

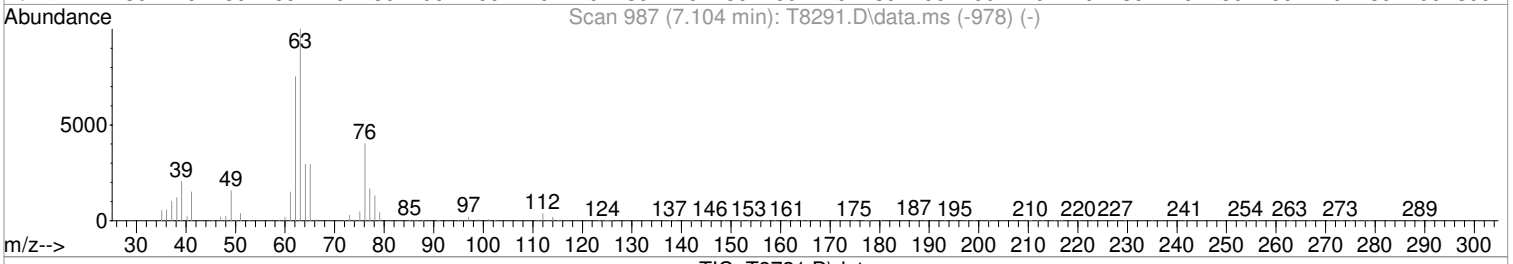
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(55) 1,2-Diclpropane (P)

7.110min (+0.000) 0.67 ug/L

response 1802

Ion	Exp%	Act%
63.10	100	100
65.10	31.20	39.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

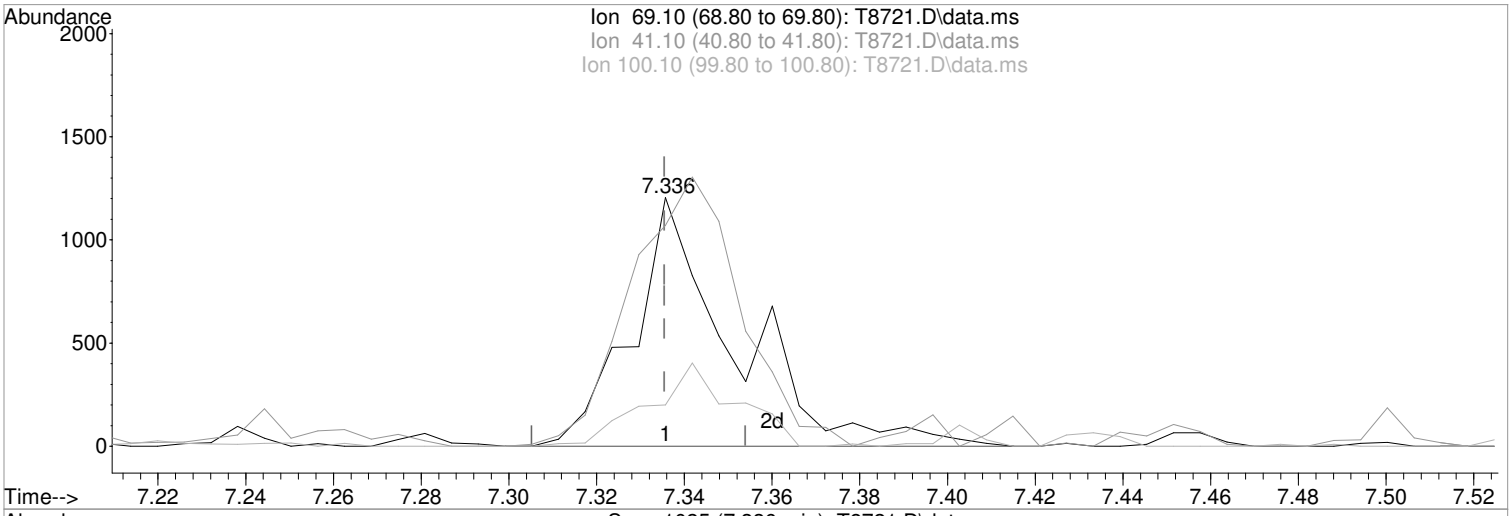
Before

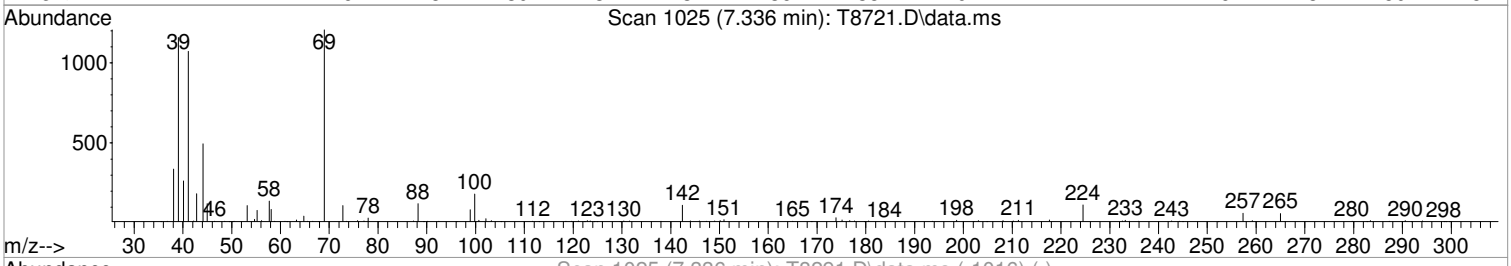
09/08/21

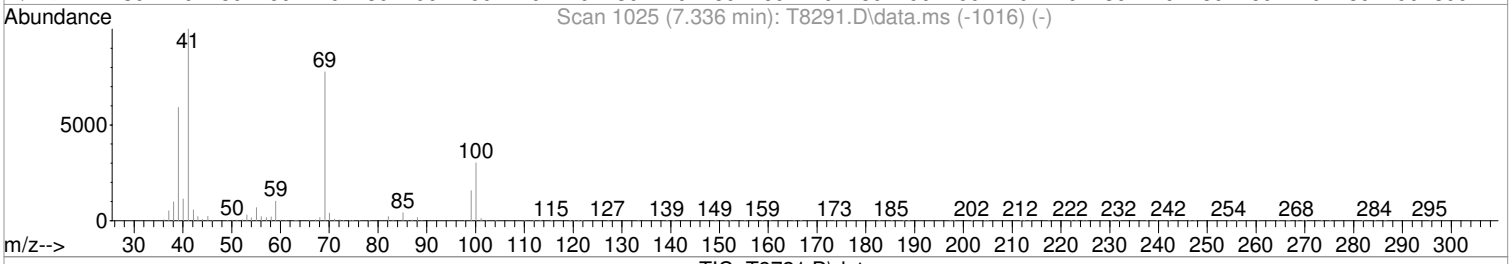
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(58) Methyl Methacrylate

7.336min (+0.000) 0.83 ug/L m

response 1966

Ion	Exp%	Act%
69.10	100	100
41.10	129.20	88.88#
100.10	38.80	15.10#
0.00	0.00	0.00

Manual Integration:

After

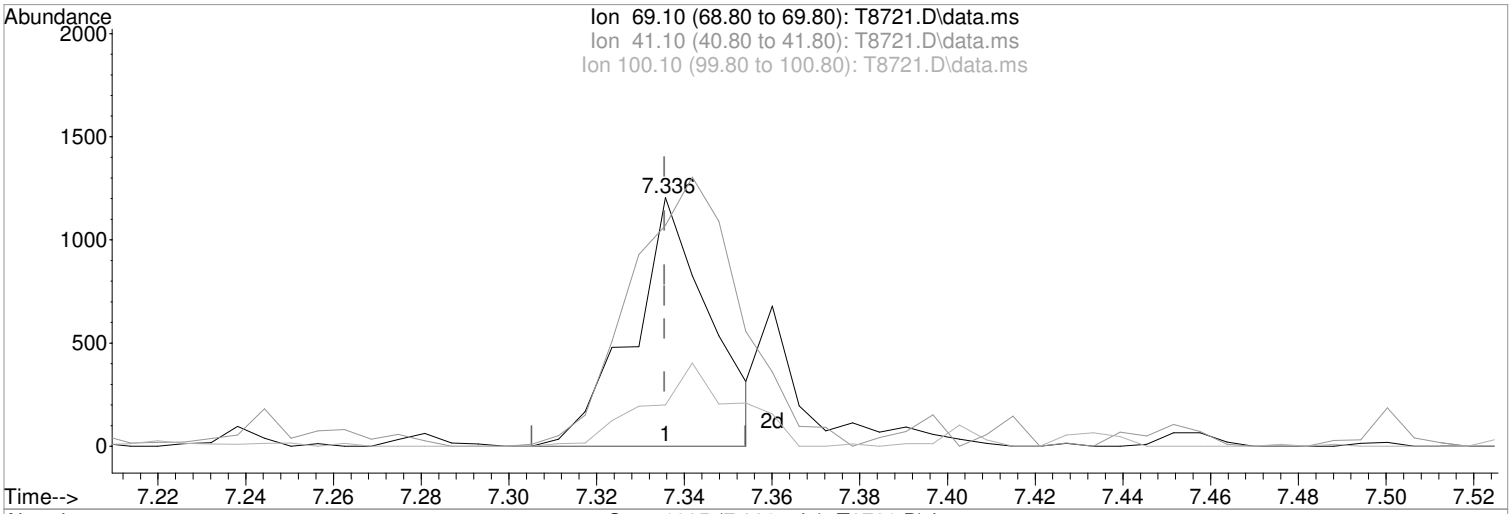
Poor integration.

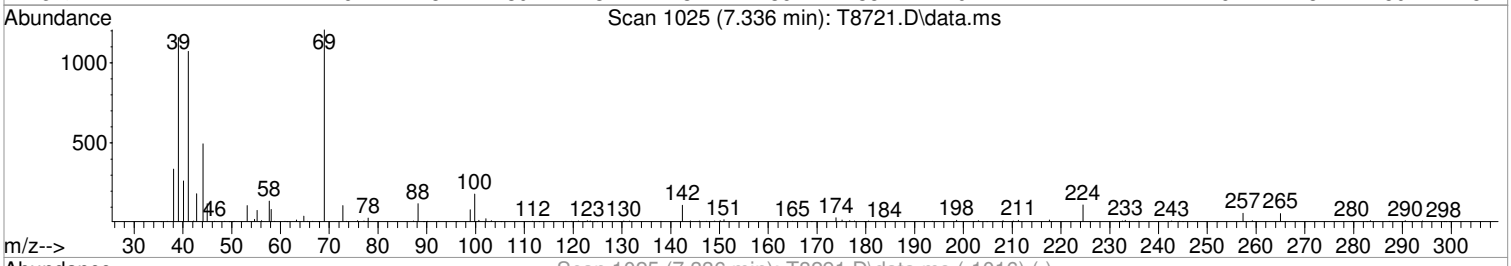
09/08/21

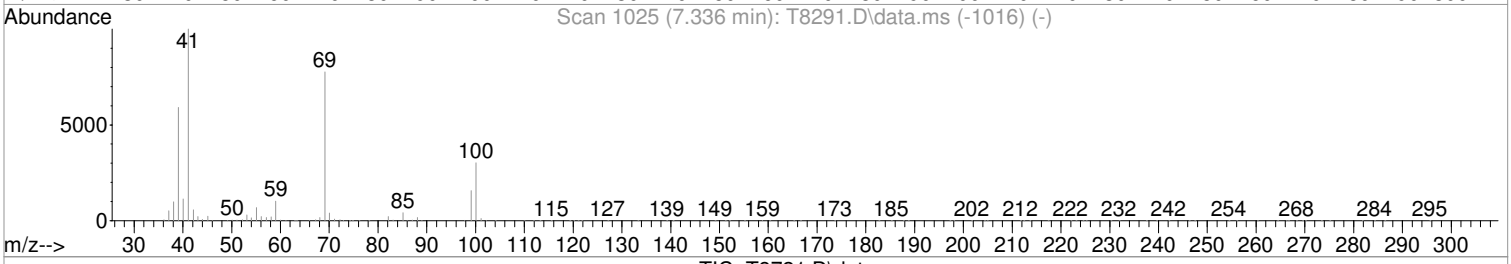
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(58) Methyl Methacrylate

7.336min (+0.000) 0.62 ug/L

response 1479

Ion	Exp%	Act%
69.10	100	100
41.10	129.20	88.88#
100.10	38.80	16.60#
0.00	0.00	0.00

Manual Integration:

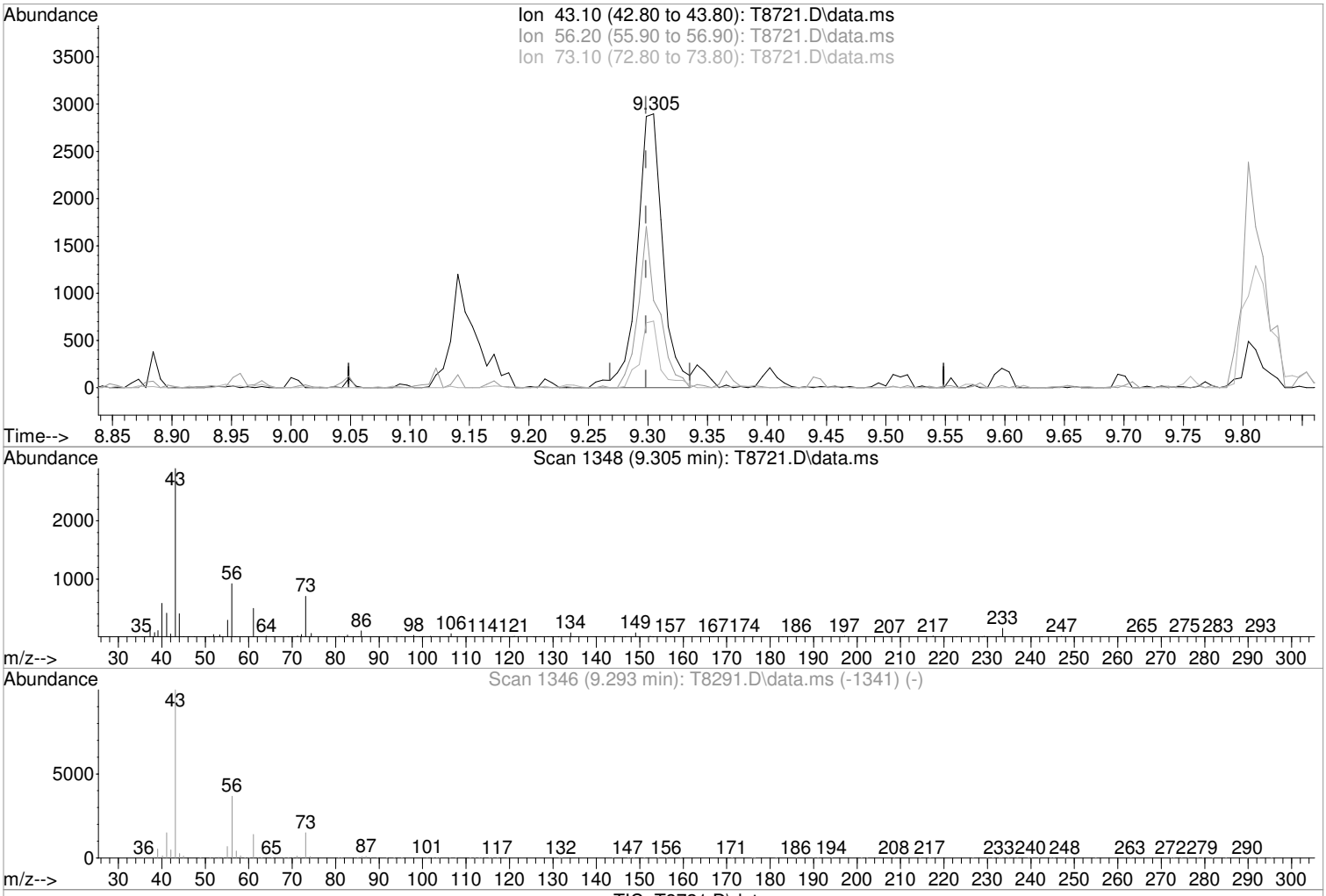
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(75) N-Butyl Acetate

9.305min (+0.006) 0.79 ug/L m

response 4359

Ion	Exp%	Act%
43.10	100	100
56.20	36.80	31.79
73.10	14.90	24.34
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

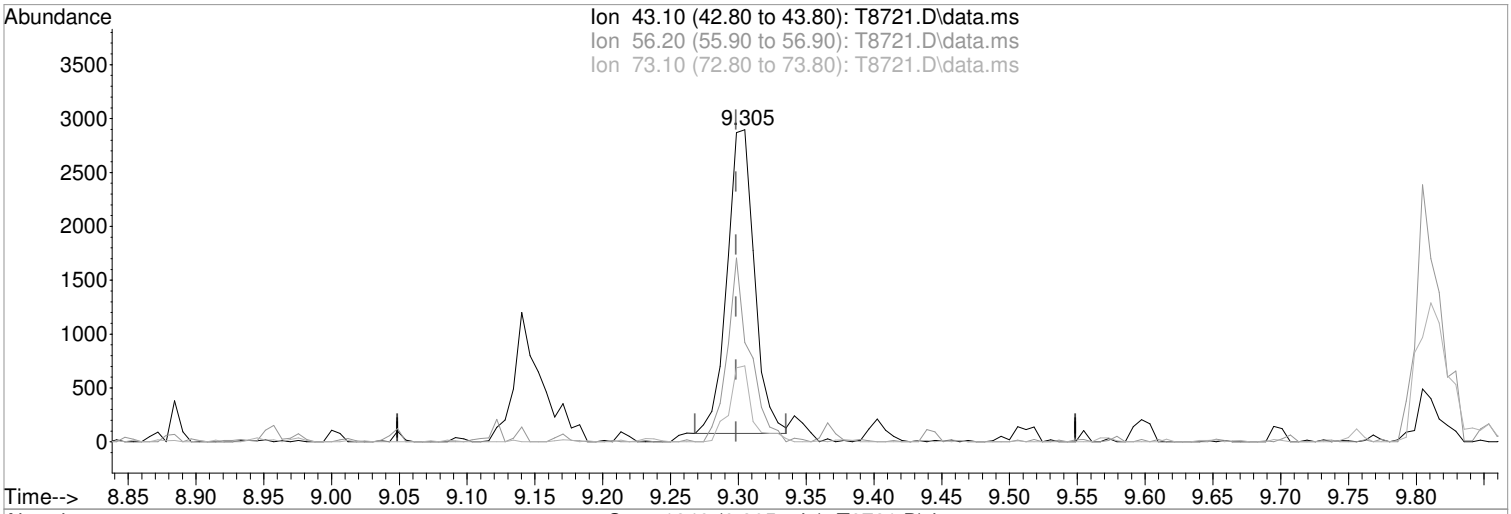
09/08/21

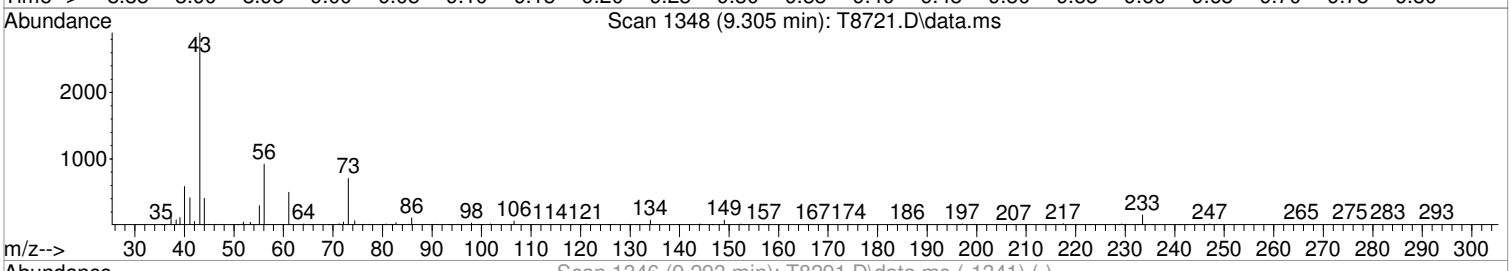
1st FW 09/08/21
2nd 09/08/21

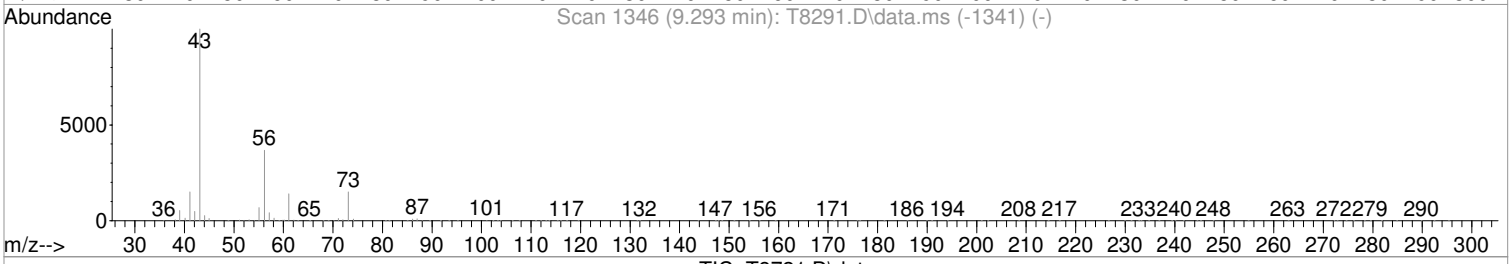
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(75) N-Butyl Acetate

9.305min (+0.006) 0.72 ug/L

response 3964

Ion	Exp%	Act%
43.10	100	100
56.20	36.80	32.27
73.10	14.90	24.34
0.00	0.00	0.00

Manual Integration:

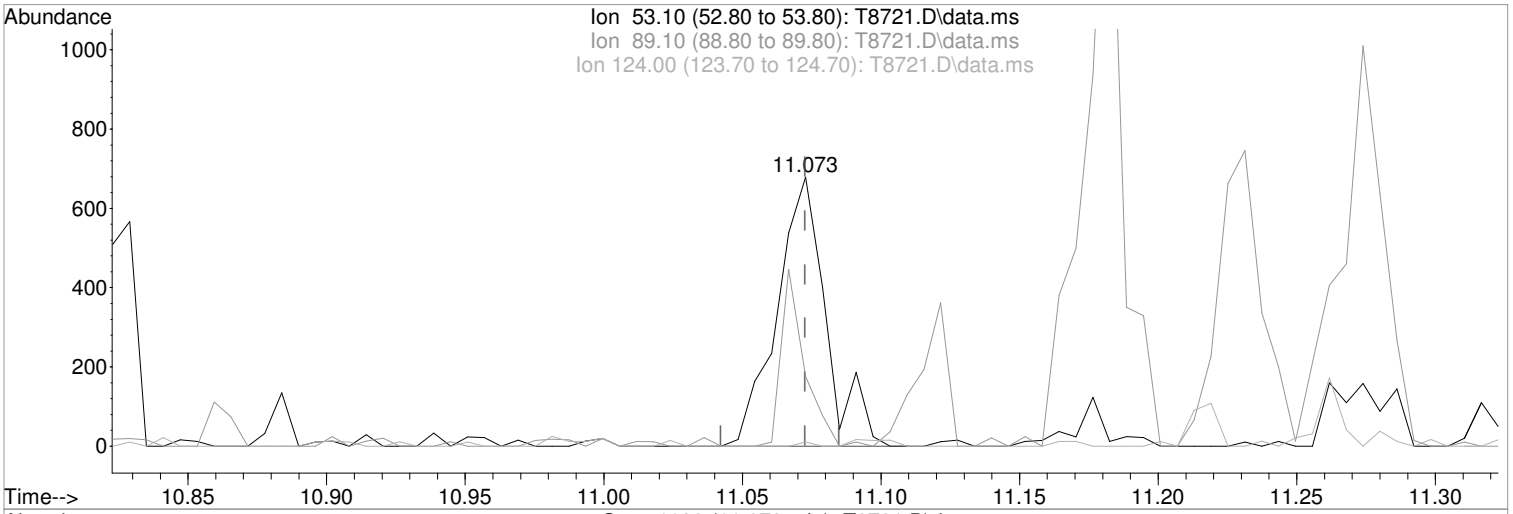
Before

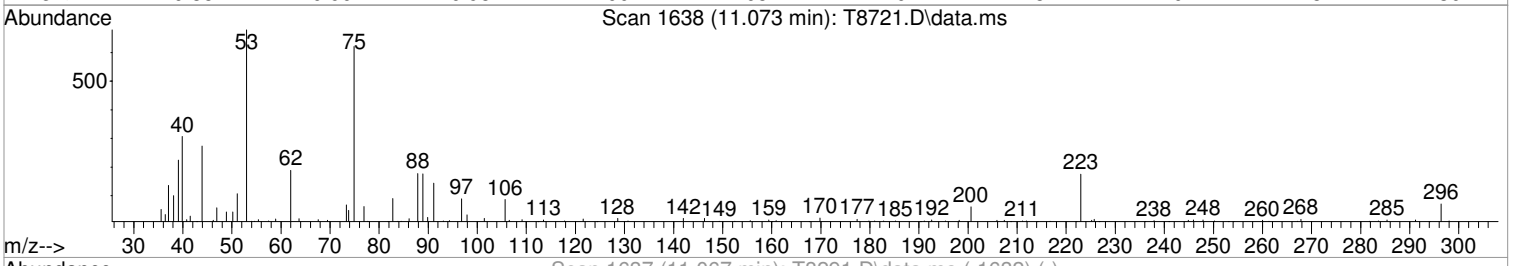
09/08/21

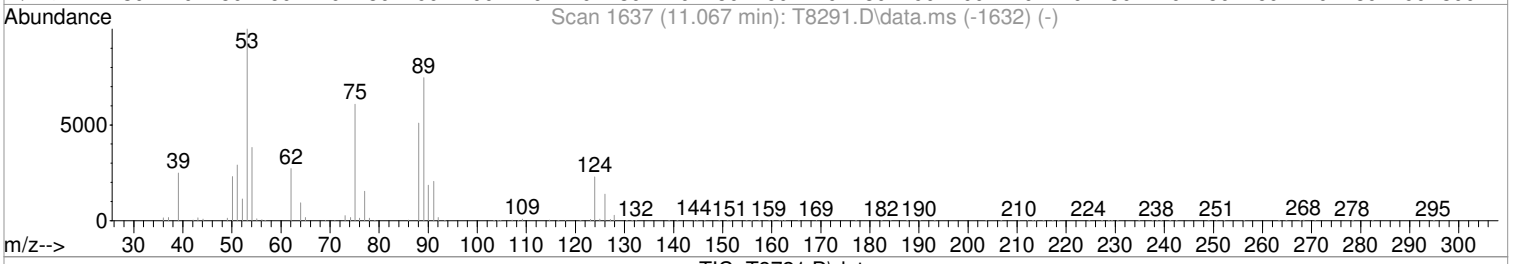
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.073min (+0.000) 0.91 ug/L m

response 836

Ion	Exp%	Act%
53.10	100	100
89.10	74.70	25.92#
124.00	22.90	1.47#
0.00	0.00	0.00

Manual Integration:

After

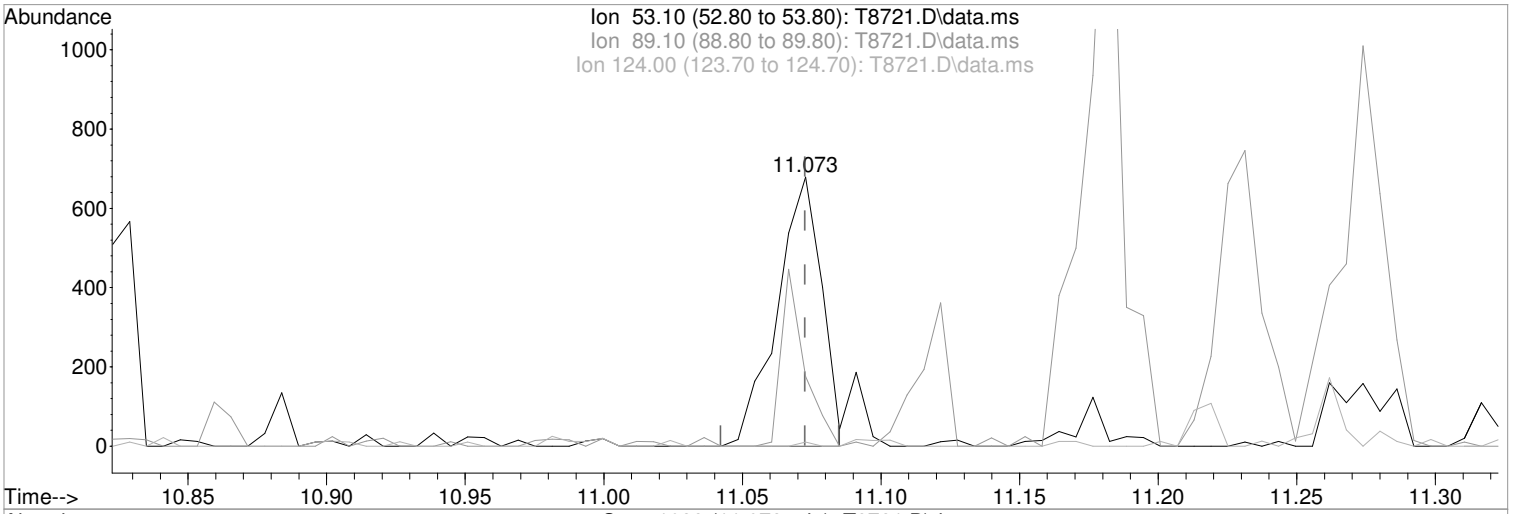
Poor integration.

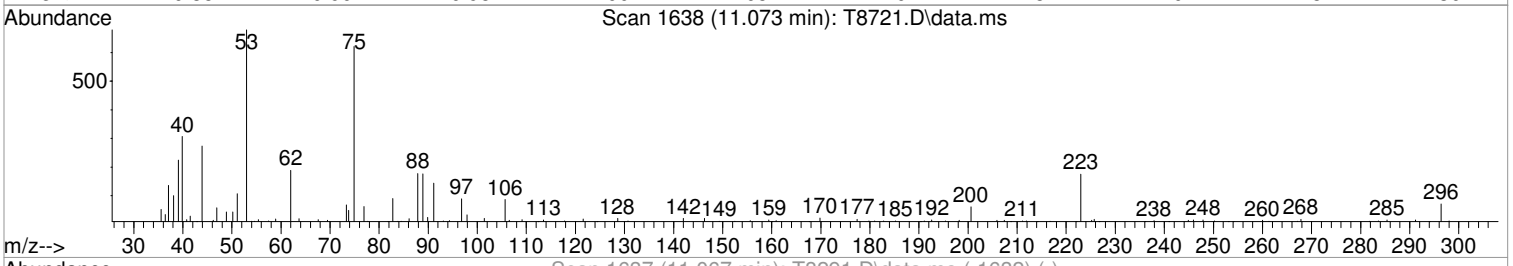
09/08/21

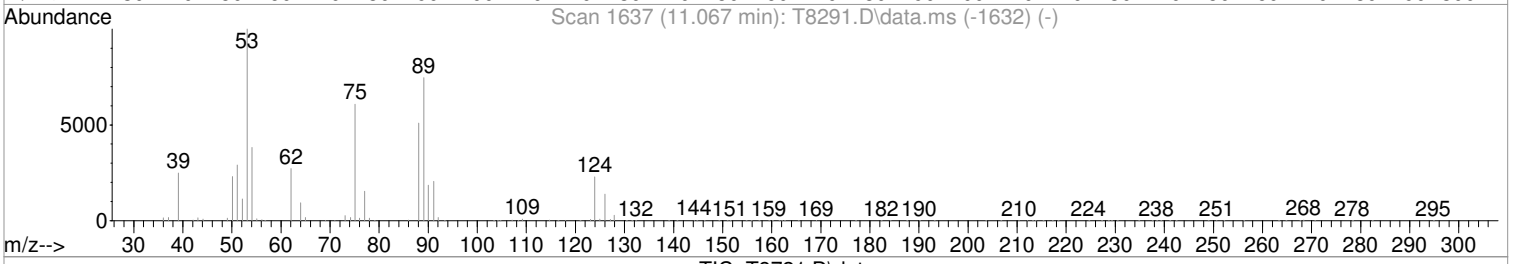
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.073min (+0.000) 0.83 ug/L

response 760

Ion	Exp%	Act%
53.10	100	100
89.10	74.70	25.92#
124.00	22.90	1.47#
0.00	0.00	0.00

Manual Integration:

Before

09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:21:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	240779	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	373304	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	336933	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	163385	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	21948	9.61	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 19.22%#				
46) surr1,1,2-dichloroetha...	5.787	65	28642	10.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.32%#				
64) SURR3,Toluene-d8	8.317	98	88807	10.06	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.12%#				
69) SURR2,BFB	10.884	95	27624	8.09	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 16.18%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	2534	0.99	ug/L		91
3) Chloromethane	1.282	50	2810	0.85	ug/L		85
4) Vinyl Chloride	1.367	62	3656	1.14	ug/L		87
5) Bromomethane	1.593	94	4730	1.21	ug/L		91
6) Chloroethane	1.672	64	2068	0.92	ug/L	#	61
7) Freon 21	1.818	67	6272	1.41	ug/L		92
8) Trichlorofluoromethane	1.867	101	3008	0.87	ug/L	#	65
9) Diethyl Ether	2.105	59	2237	0.99	ug/L	#	66
10) Freon 123a	2.105	67	2635	0.95	ug/L		91
11) Freon 123	2.154	83	3433	1.13	ug/L		95
12) Acrolein	2.203	56	2548	3.33	ug/L		79
13) 1,1-Diclethene	2.288	96	1976	0.98	ug/L		94
14) Freon 113	2.300	101	1783m	0.87	ug/L		
15) Acetone	2.337	43	2239	1.53	ug/L		83
16) 2-Propanol	2.471	45	5413	15.74	ug/L		98
17) Iodomethane	2.422	142	1528m	0.47	ug/L		
18) Carbon Disulfide	2.483	76	4458	0.73	ug/L		93
19) Acetonitrile	2.599	41	2798	4.89	ug/L		83
20) Allyl Chloride	2.629	76	1168	0.86	ug/L	#	77
21) Methyl Acetate	2.648	43	3162m	1.01	ug/L		
22) Methylene Chloride	2.745	84	2722m	1.05	ug/L		
23) TBA	2.867	59	7302	13.06	ug/L		68
24) Acrylonitrile	3.001	53	5700	3.88	ug/L		82
25) Methyl-t-Butyl Ether	3.044	73	8130m	0.96	ug/L		
26) trans-1,2-Dichloroethene	3.038	96	2440	1.09	ug/L	#	74
27) 1,1-Diclethane	3.544	63	3675m	0.88	ug/L		
28) Vinyl Acetate	3.635	86	470m	0.82	ug/L		
29) DIPE	3.660	45	7255	0.91	ug/L		87
30) 2-Chloro-1,3-Butadiene	3.666	53	2702	0.82	ug/L		95
31) ETBE	4.202	59	7024	0.97	ug/L		86
32) 2,2-Dichloropropane	4.379	77	2692	0.80	ug/L		89
33) cis-1,2-Dichloroethene	4.385	96	2353m	0.94	ug/L		
34) 2-Butanone	4.434	43	2378	1.12	ug/L	#	73
35) Propionitrile	4.525	54	2195m	3.52	ug/L		
36) Bromochloromethane	4.800	130	1590m	0.97	ug/L		
37) Methacrylonitrile	4.800	67	1284m	0.89	ug/L		
38) Tetrahydrofuran	4.891	42	1235m	0.91	ug/L		
39) Chloroform	4.964	83	5182m	1.16	ug/L		
40) 1,1,1-Trichloroethane	5.269	97	2916m	0.91	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:21:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	2271	0.91	ug/L		91
44) Carbontetrachloride	5.549	117	2825	1.04	ug/L	#	47
45) 1,1-Dichloropropene	5.574	75	3265	1.09	ug/L	#	62
47) Benzene	5.879	78	8870	0.94	ug/L		93
48) 1,2-Dichloroethane	5.915	62	3441	0.98	ug/L		89
49) Iso-Butyl Alcohol	5.897	43	2769	11.25	ug/L	#	69
50) TAME	6.116	73	7356	0.95	ug/L		90
51) n-Heptane	6.360	43	2609	0.89	ug/L	#	58
52) 1-Butanol	6.854	56	3544	23.58	ug/L	#	62
53) Trichloroethene	6.830	130	2053	0.82	ug/L	#	73
54) Methylcyclohexane	7.067	55	2458	0.88	ug/L		87
55) 1,2-Diclpropane	7.110	63	2059m	0.77	ug/L		
56) Dibromomethane	7.238	93	1748	0.99	ug/L	#	50
57) 1,4-Dioxane	7.305	88	905	14.78	ug/L	#	69
58) Methyl Methacrylate	7.336	69	1966m	0.83	ug/L		
59) Bromodichloromethane	7.482	83	2760	0.83	ug/L		92
60) 2-Nitropropane	7.756	41	1502	1.45	ug/L		84
61) 2-Chloroethylvinyl Ether	7.884	63	1409	0.85	ug/L		68
62) cis-1,3-Dichloropropene	8.018	75	3904	1.00	ug/L		88
63) 4-Methyl-2-pentanone	8.226	43	3324	0.87	ug/L	#	69
65) Toluene	8.396	91	8890	0.90	ug/L		96
66) trans-1,3-Dichloropropene	8.665	75	2802	0.76	ug/L		85
67) Ethyl Methacrylate	8.811	69	2893	0.71	ug/L		92
68) 1,1,2-Trichloroethane	8.854	97	1869	0.79	ug/L	#	78
71) Tetrachloroethene	8.994	164	1633	0.92	ug/L	#	73
72) 2-Hexanone	9.140	43	1765	0.62	ug/L		92
73) 1,3-Dichloropropane	9.018	76	3493	0.88	ug/L		94
74) Dibromochloromethane	9.244	129	1842	0.81	ug/L	#	77
75) N-Butyl Acetate	9.305	43	4359m	0.79	ug/L		
76) 1,2-Dibromoethane	9.341	107	2152	0.86	ug/L		82
77) 3-Chlorobenzotrifluoride	9.854	180	3124	0.97	ug/L	#	73
78) Chlorobenzene	9.835	112	5918	0.95	ug/L		97
79) 4-Chlorobenzotrifluoride	9.908	180	2904	1.00	ug/L		82
80) 1,1,1,2-Tetrachloroethane	9.921	131	1878	0.86	ug/L	#	84
81) Ethylbenzene	9.963	106	2840	0.88	ug/L	#	77
82) (m+p)Xylene	10.073	106	6703	1.64	ug/L		95
83) o-Xylene	10.427	106	2928	0.73	ug/L		91
84) Styrene	10.439	104	4771	0.68	ug/L		78
85) Bromoform	10.591	173	1190	0.66	ug/L		92
86) 2-Chlorobenzotrifluoride	10.677	180	2470	0.76	ug/L		83
87) Isopropylbenzene	10.762	105	8415	0.89	ug/L		93
88) Cyclohexanone	10.823	55	8592	13.61	ug/L		88
89) trans-1,4-Dichloro-2-B...	11.073	53	836m	0.91	ug/L		
91) 1,1,2,2-Tetrachloroethane	11.024	83	3010	0.98	ug/L		94
92) Bromobenzene	11.006	156	2327	0.92	ug/L	#	79
93) 1,2,3-Trichloropropane	11.054	110	1074	1.04	ug/L	#	40
94) n-Propylbenzene	11.122	91	9164	0.89	ug/L		95
95) 2-Chlorotoluene	11.182	91	6842	1.04	ug/L		83
96) 3-Chlorotoluene	11.231	91	6141	0.98	ug/L		92
97) 4-Chlorotoluene	11.274	91	7008	0.99	ug/L		90
98) 1,3,5-Trimethylbenzene	11.274	105	7180	0.97	ug/L		98
99) tert-Butylbenzene	11.542	119	6422	1.02	ug/L		86
100) 1,2,4-Trimethylbenzene	11.579	105	6872	0.94	ug/L		87
101) 3,4-Dichlorobenzotrifl...	11.640	214	1938	0.87	ug/L		84
102) sec-Butylbenzene	11.725	105	7942	0.89	ug/L		98
103) p-Isopropyltoluene	11.847	119	6869	0.88	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:21:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

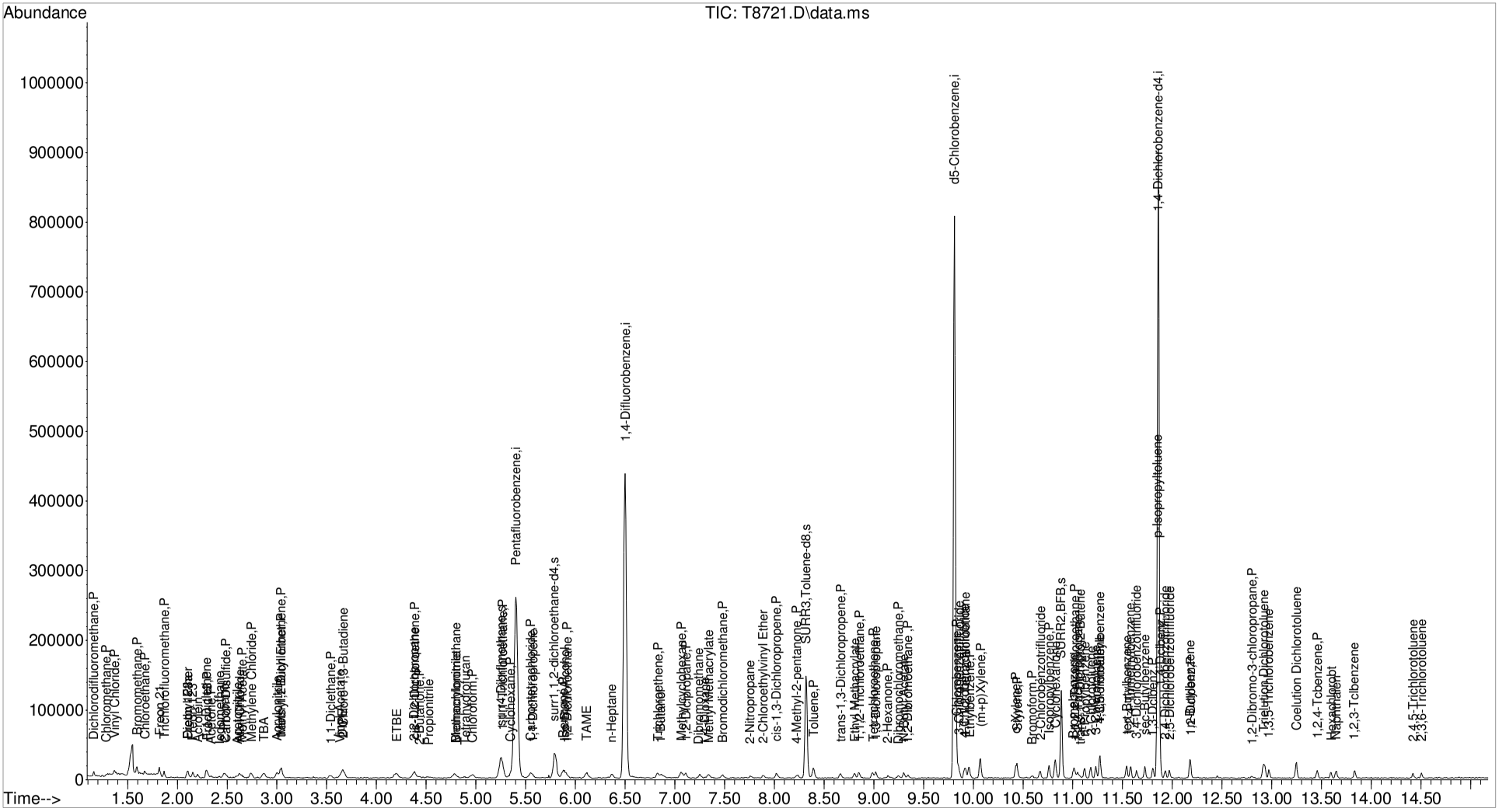
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	3841	0.85	ug/L		92
105) 1,4-Dclbenz	11.877	146	5182	1.08	ug/L	#	77
106) 2,4-Dichlorobenzotrifl...	11.926	214	2003	0.97	ug/L	#	73
107) 2,5-Dichlorobenzotrifl...	11.975	214	2272	0.97	ug/L	#	78
108) n-Butylbenzene	12.176	91	6399	0.88	ug/L		83
109) 1,2-Dclbenz	12.188	146	4261	0.93	ug/L		92
110) 1,2-Dibromo-3-chloropr...	12.804	157	466	0.66	ug/L	#	67
111) Trielution Dichlorotol...	12.920	125	8900	2.55	ug/L		80
112) 1,3,5-Trichlorobenzene	12.969	180	2756	0.85	ug/L		97
113) Coelution Dichlorotoluene	13.249	125	6498	1.67	ug/L		85
114) 1,2,4-Tcbenzene	13.456	180	2375	0.81	ug/L	#	76
115) Hexachlorobt	13.597	225	1238	1.03	ug/L	#	59
116) Naphthalen	13.645	128	6445	0.72	ug/L		94
117) 1,2,3-Tclbenzene	13.828	180	2609	0.89	ug/L		94
118) 2,4,5-Trichlorotoluene	14.420	159	1322	0.71	ug/L		85
119) 2,3,6-Trichlorotoluene	14.505	159	1444	0.88	ug/L		86

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:21:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

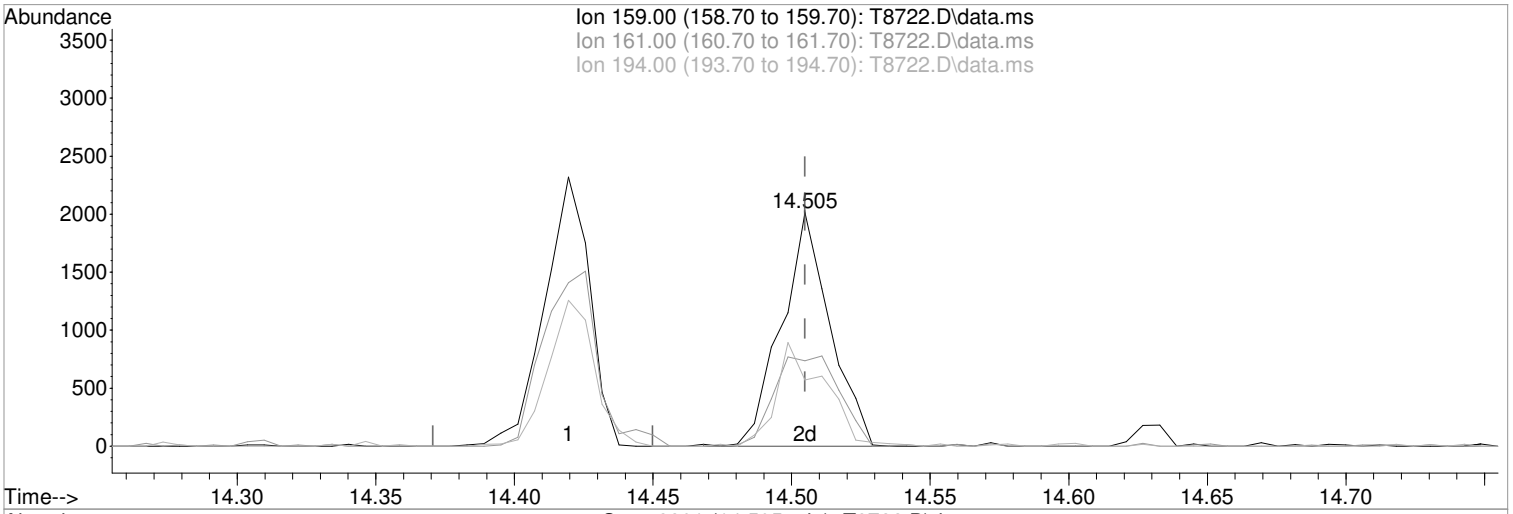


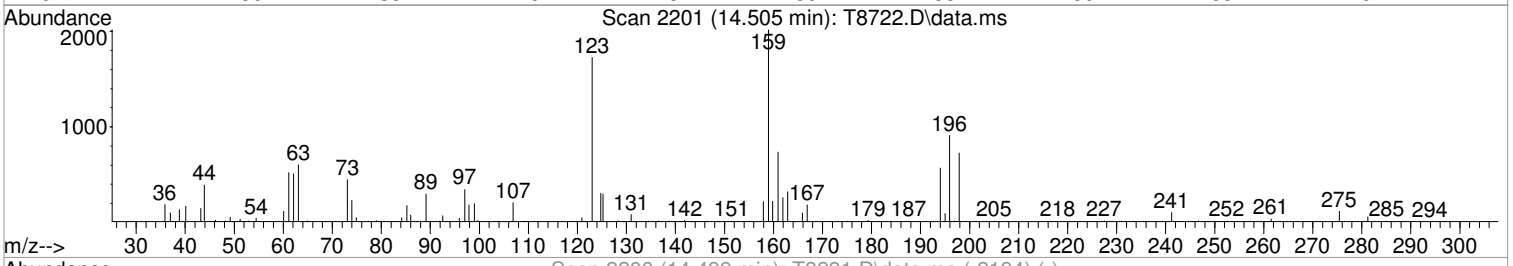
1st FJ 09/08/21
2nd 09/08/21

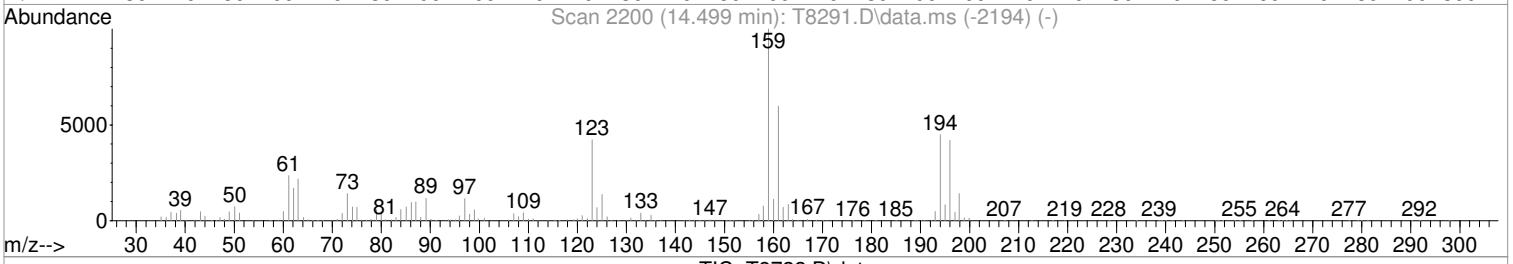
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.505min (-0.000) 1.46 ug/L m

response 2456

Ion	Exp%	Act%
159.00	100	100
161.00	59.80	36.49#
194.00	44.90	28.30
0.00	0.00	0.00

Manual Integration:

After

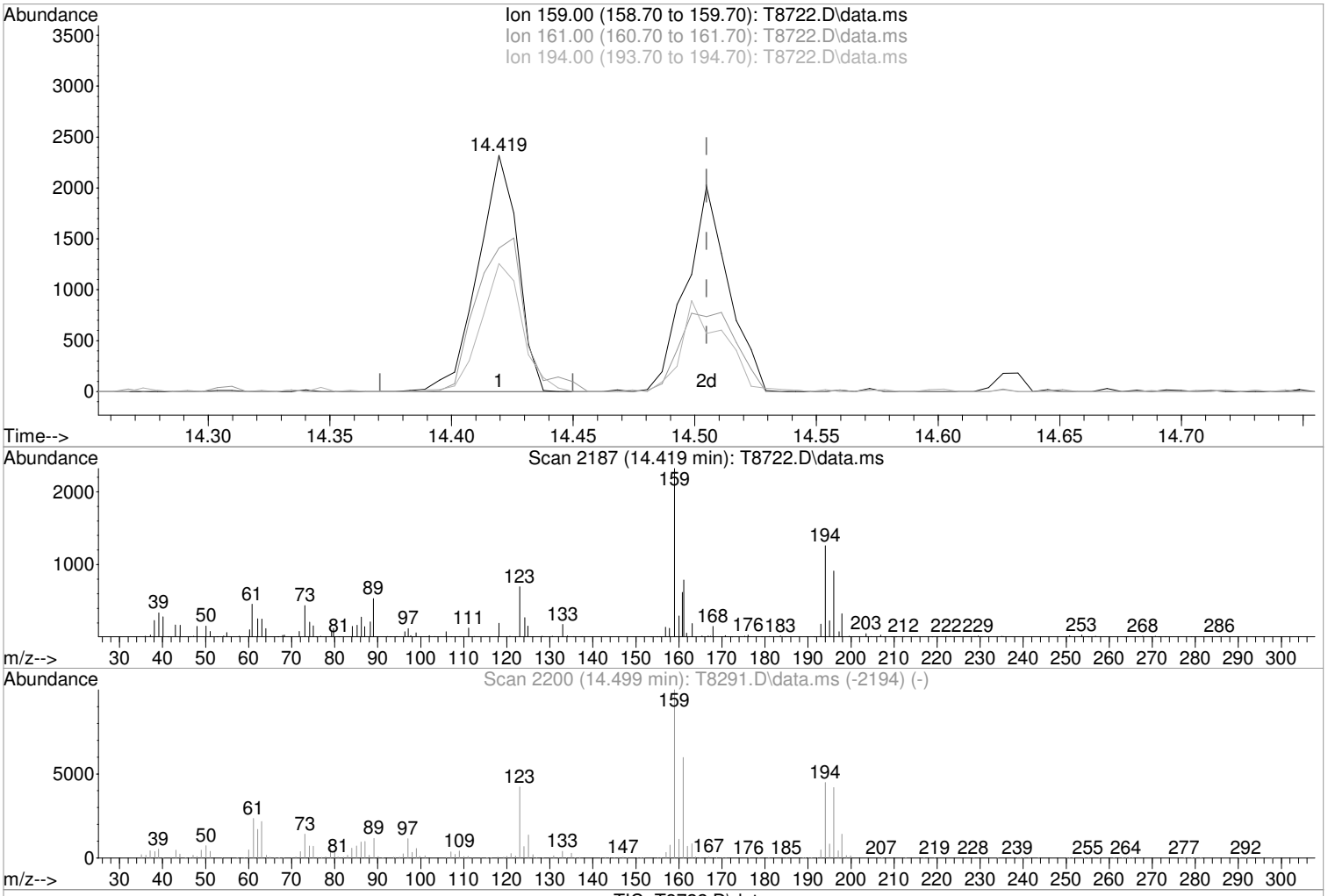
Wrong peak selected.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8722.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.419min (-0.085) 1.57 ug/L

response 2633

Ion	Exp%	Act%
159.00	100	100
161.00	59.80	60.76
194.00	44.90	54.25
0.00	0.00	0.00

Manual Integration:

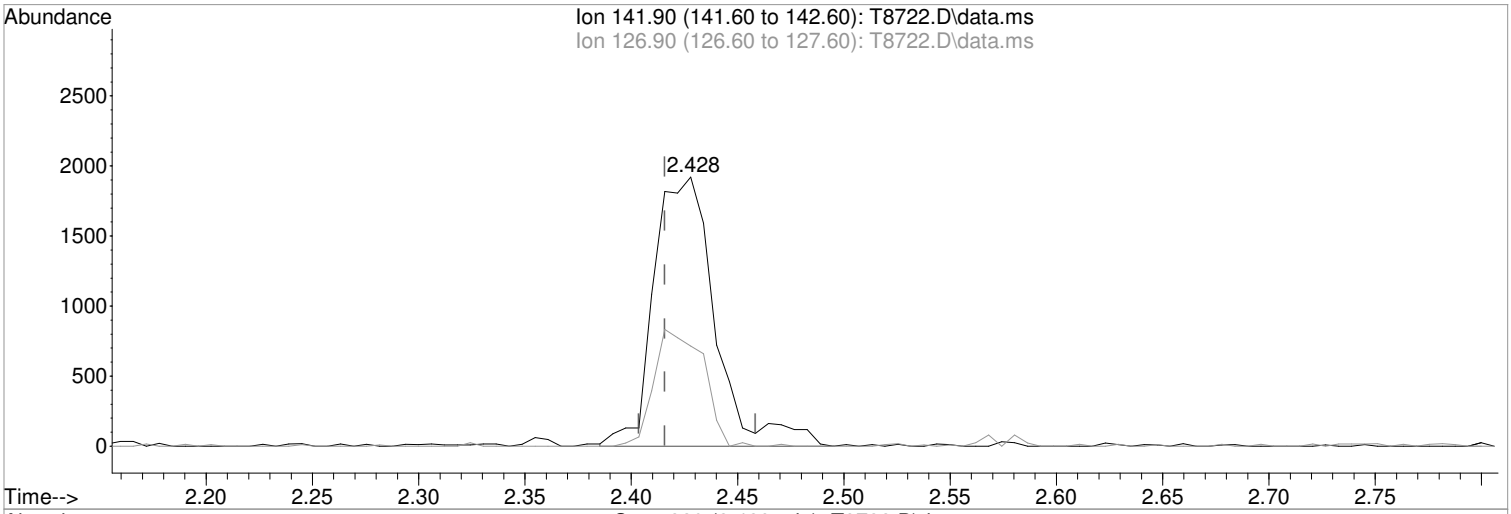
Before

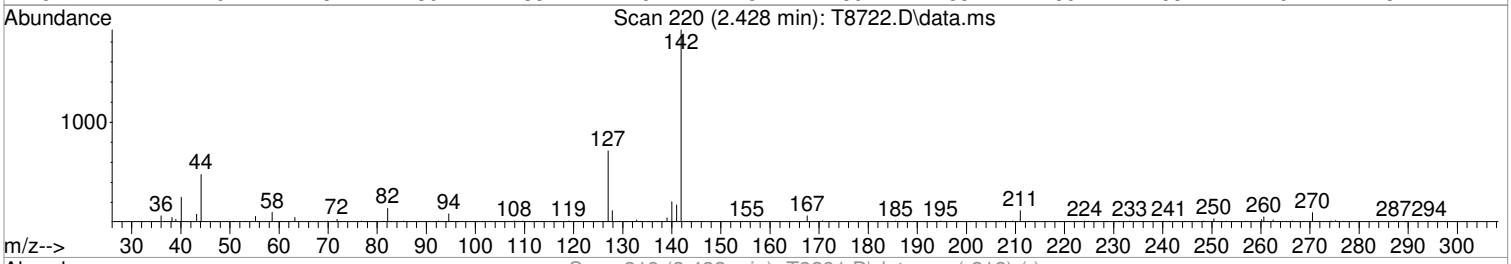
09/08/21

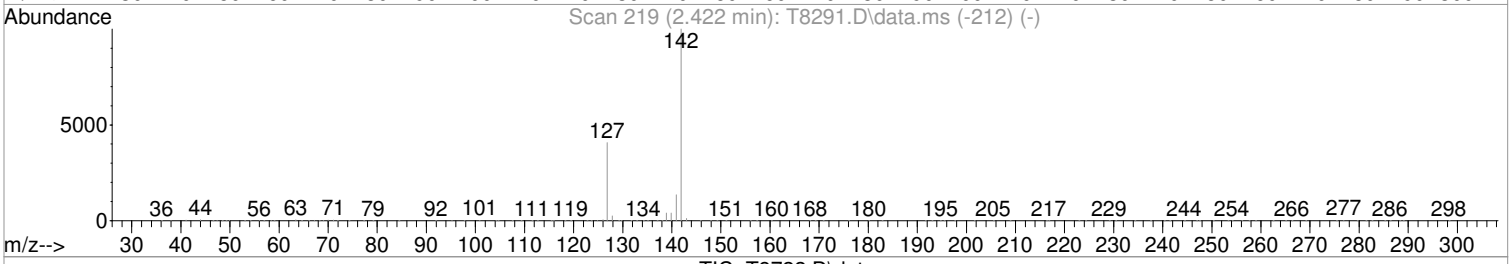
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(17) Iodomethane

2.428min (+0.012) 1.17 ug/L m

response 3856

Ion	Exp%	Act%
141.90	100	100
126.90	40.70	37.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

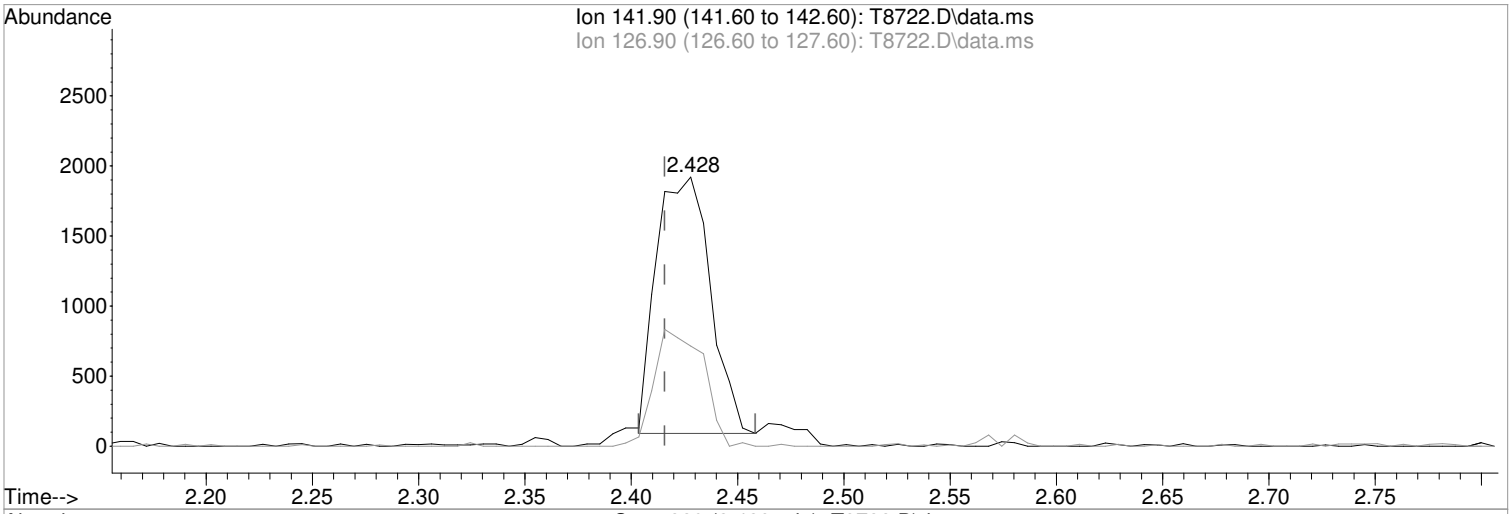
Poor integration.

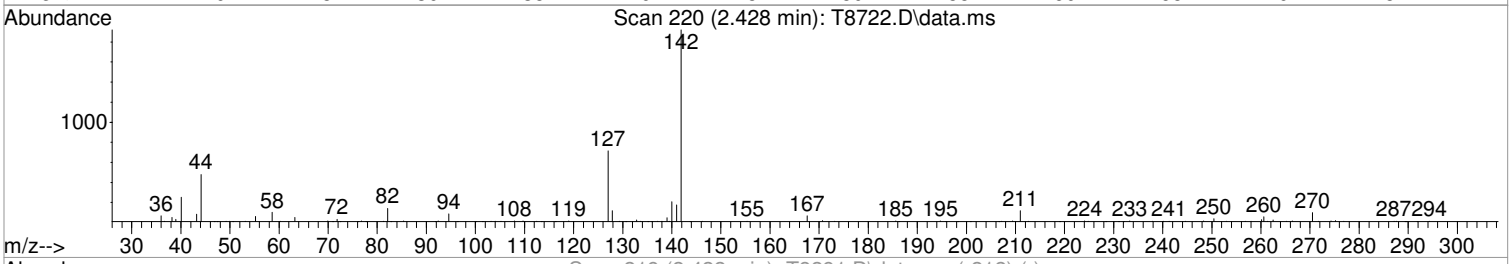
09/08/21

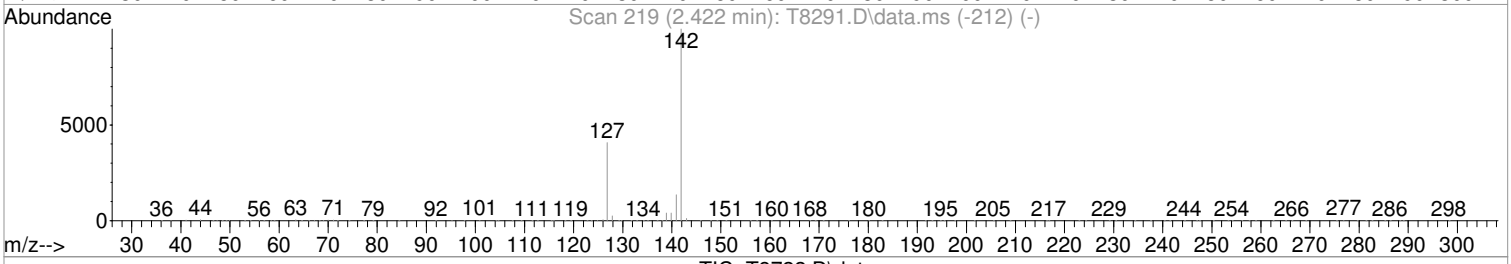
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(17) Iodomethane

2.428min (+0.012) 0.98 ug/L

response 3221

Ion	Exp%	Act%
141.90	100	100
126.90	40.70	37.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

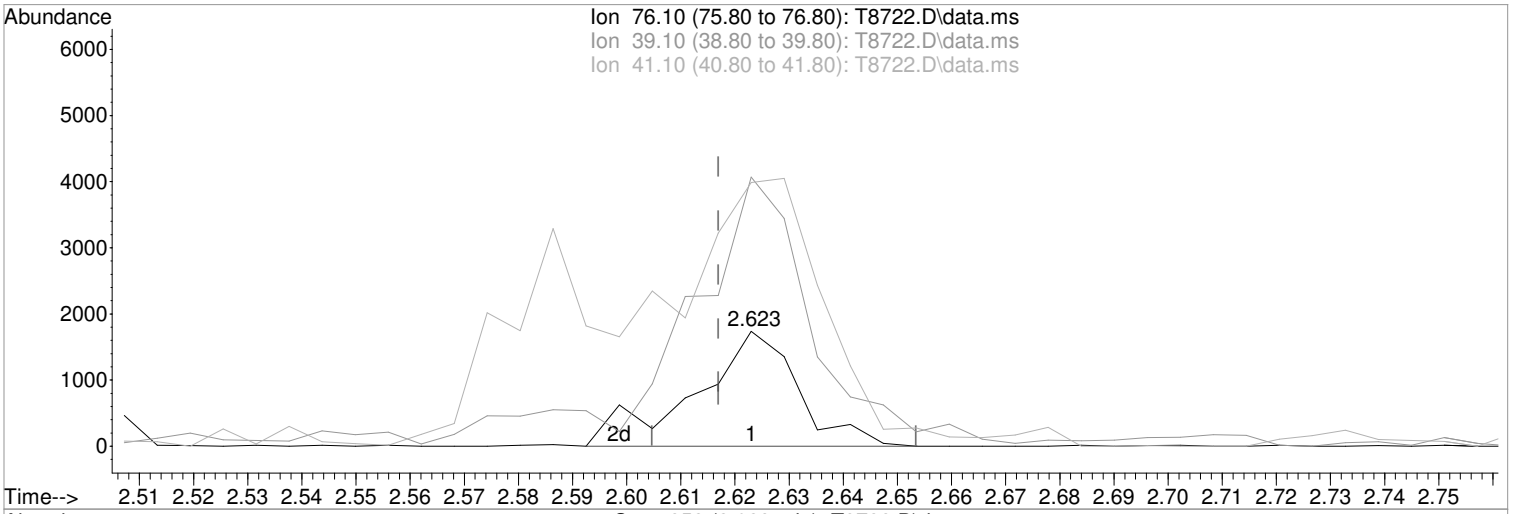
Before

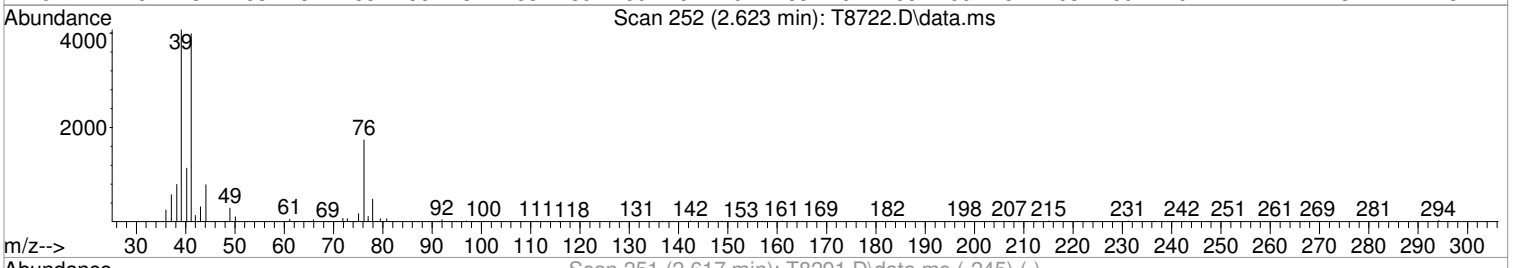
09/08/21

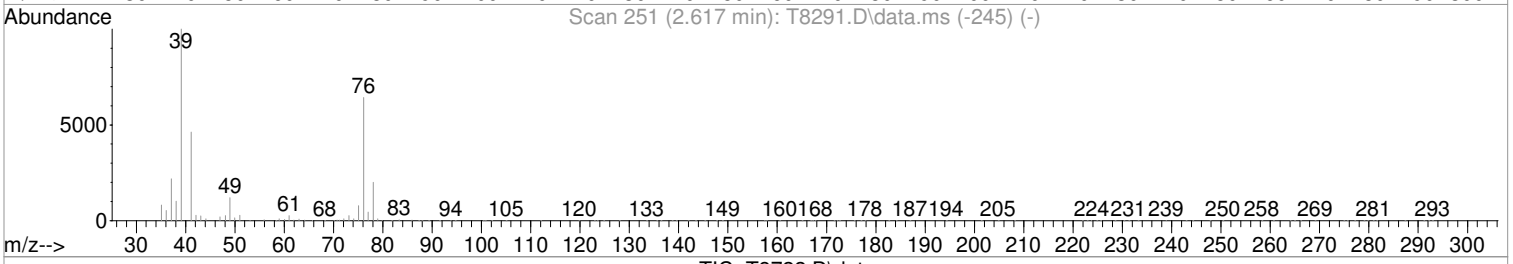
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(20) Allyl Chloride

2.623min (+0.006) 1.69 ug/L m

response 2293

Ion	Exp%	Act%
76.10	100	100
39.10	204.00	233.87#
41.10	296.20	229.15#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

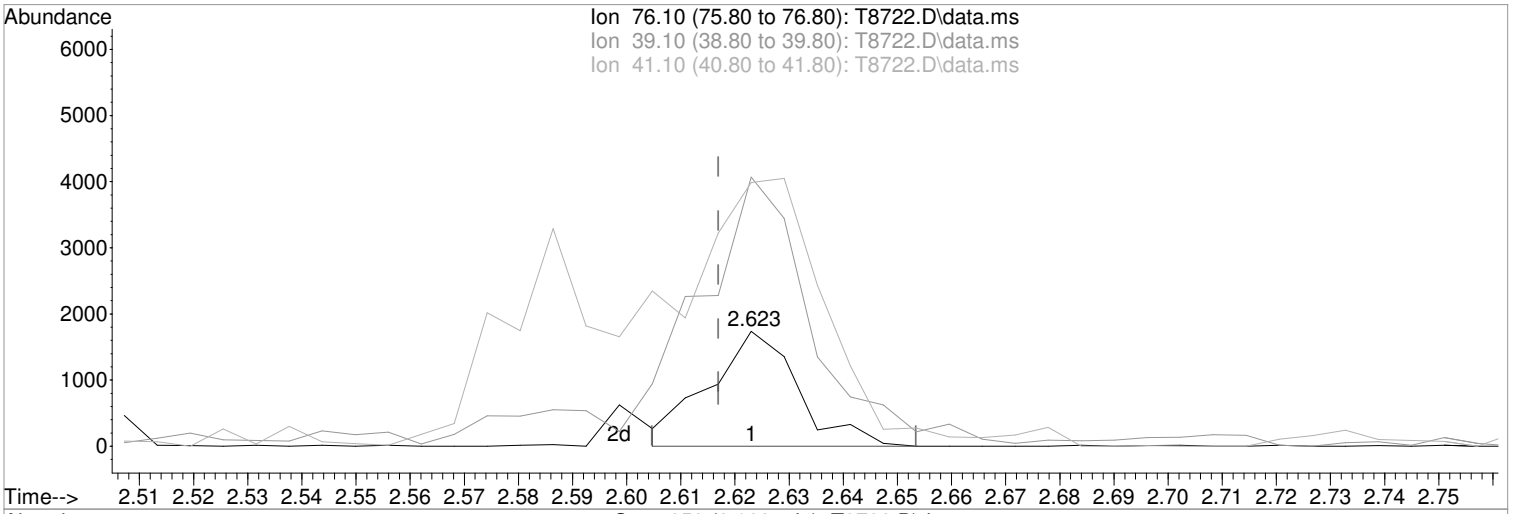
09/08/21

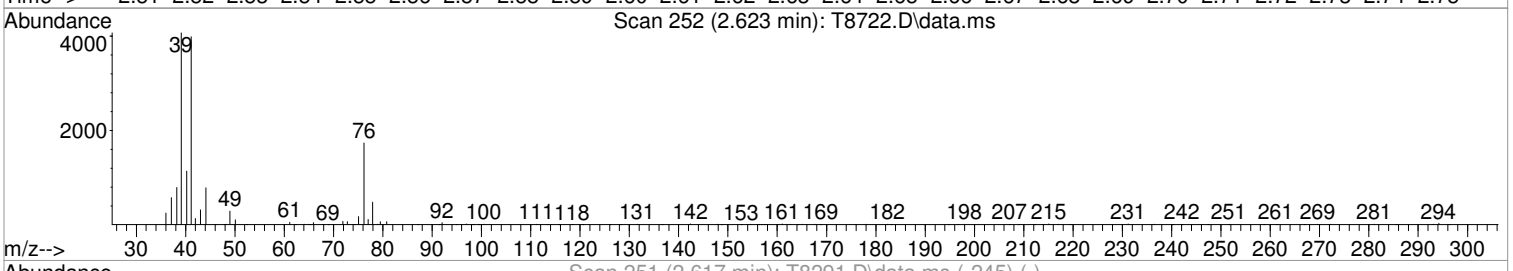
1st FN 09/08/21
2nd 09/08/21

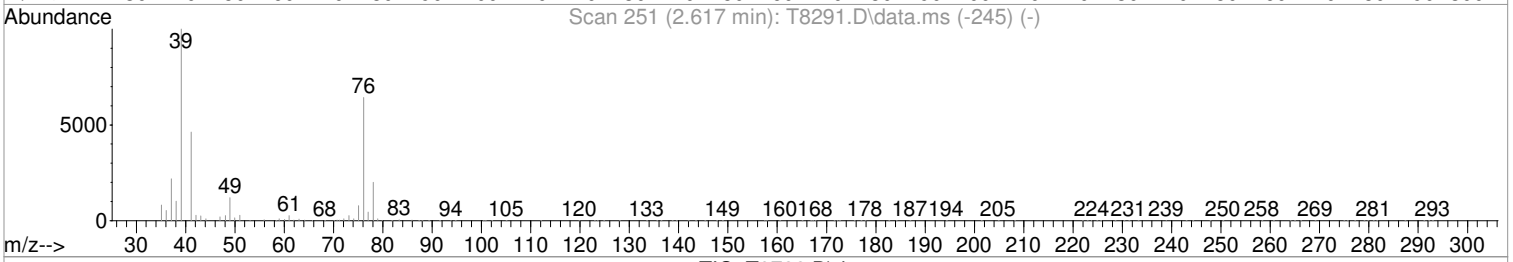
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(20) Allyl Chloride

2.623min (+0.006) 1.45 ug/L

response 1967

Ion	Exp%	Act%
76.10	100	100
39.10	204.00	233.87#
41.10	296.20	229.15#
0.00	0.00	0.00

Manual Integration:

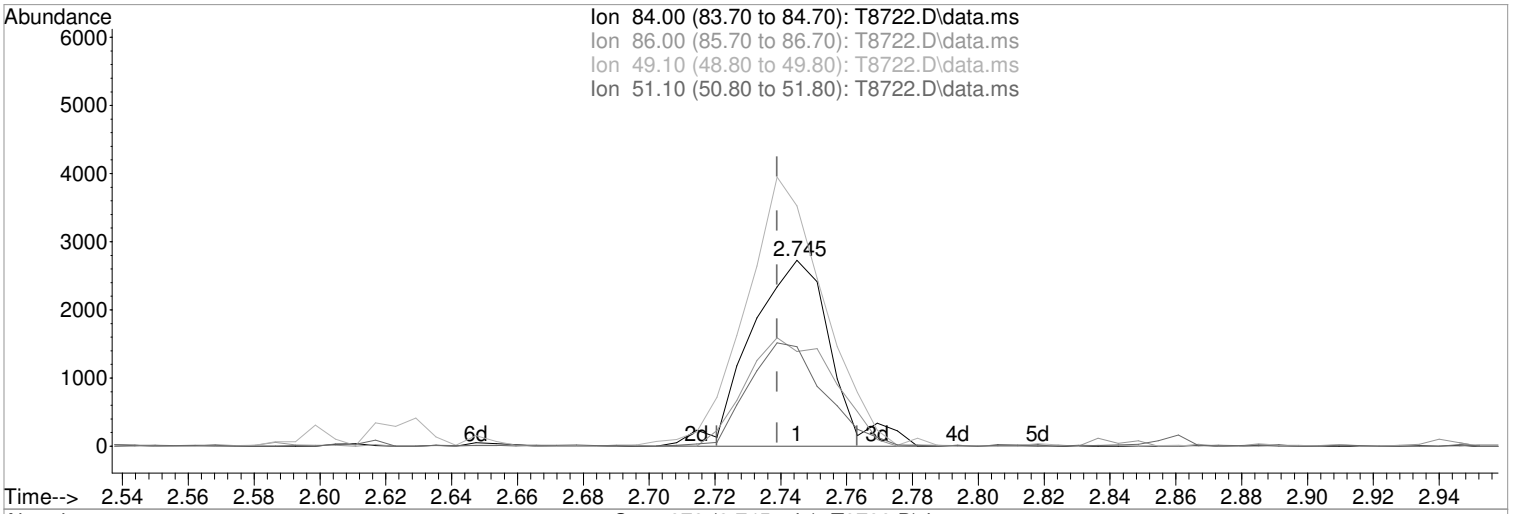
Before

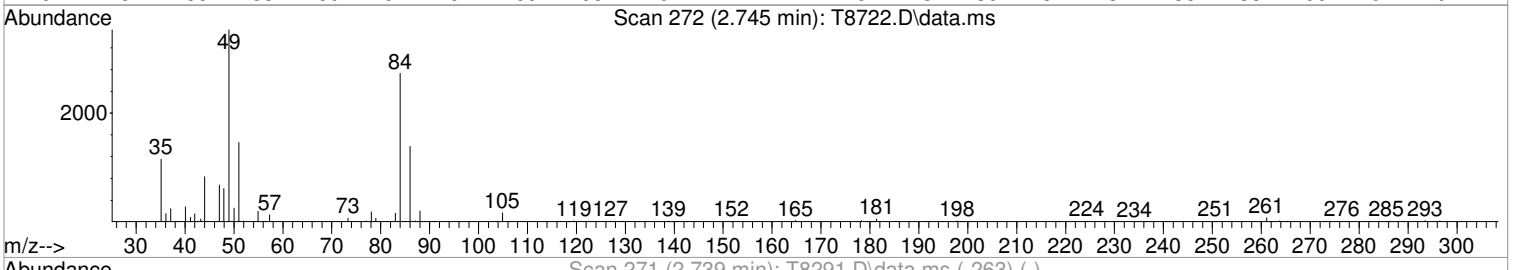
09/08/21

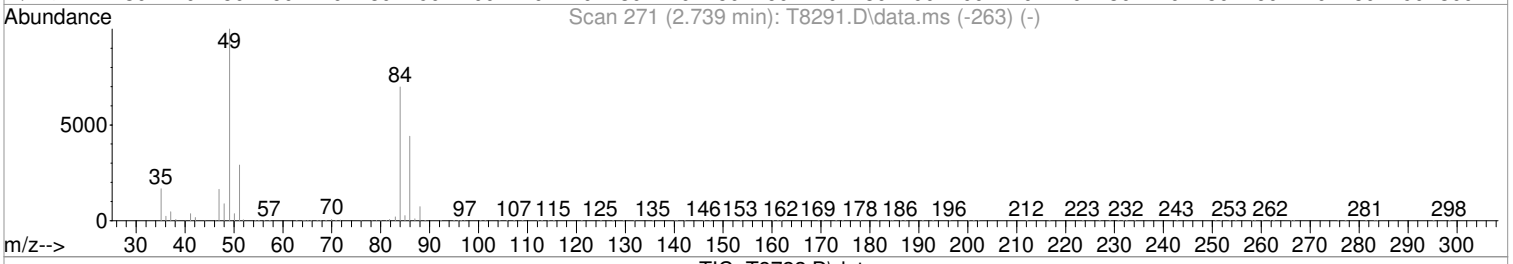
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(22) Methylene Chloride (P)

2.745min (+0.006) 1.77 ug/L m

response 4633

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	51.03
49.10	143.30	129.38
51.10	41.60	53.48

Manual Integration:

After

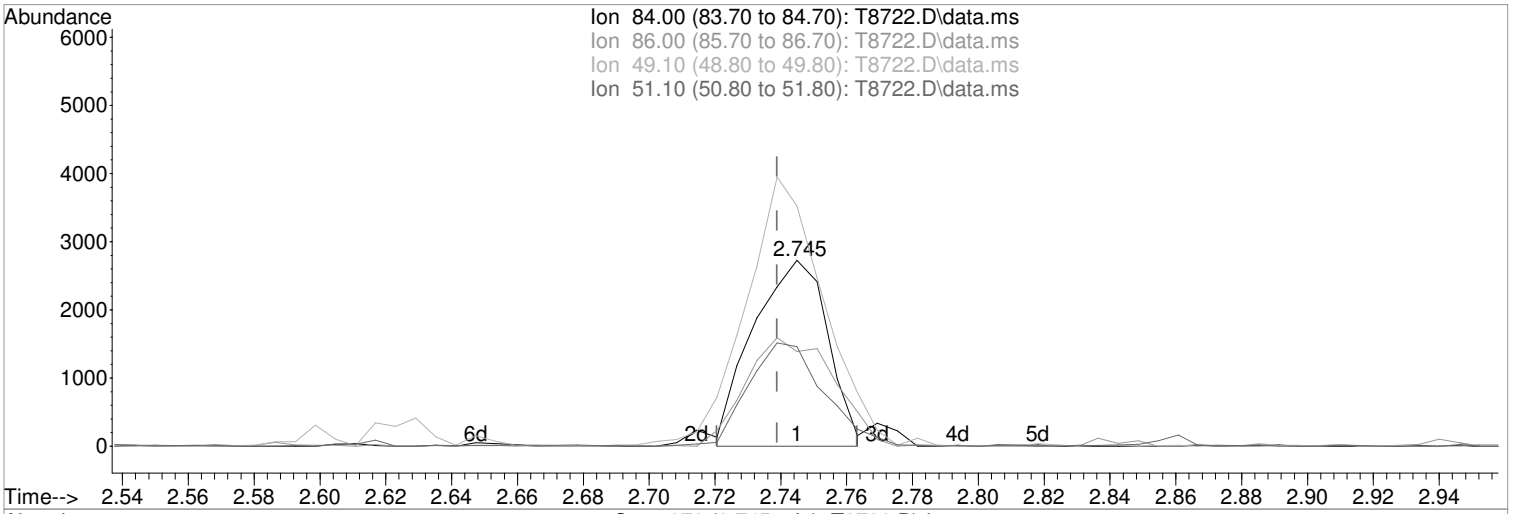
Poor integration.

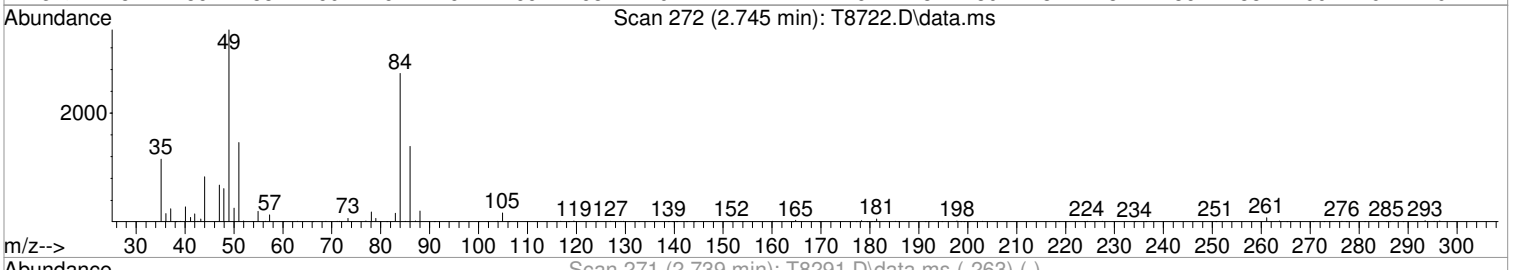
09/08/21

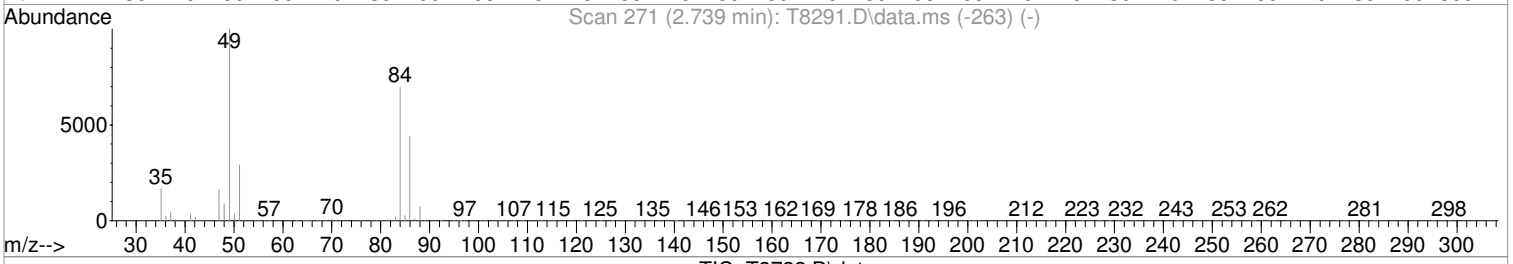
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(22) Methylene Chloride (P)

2.745min (+0.006) 1.64 ug/L

response 4273

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	51.03
49.10	143.30	129.38
51.10	41.60	53.48

Manual Integration:

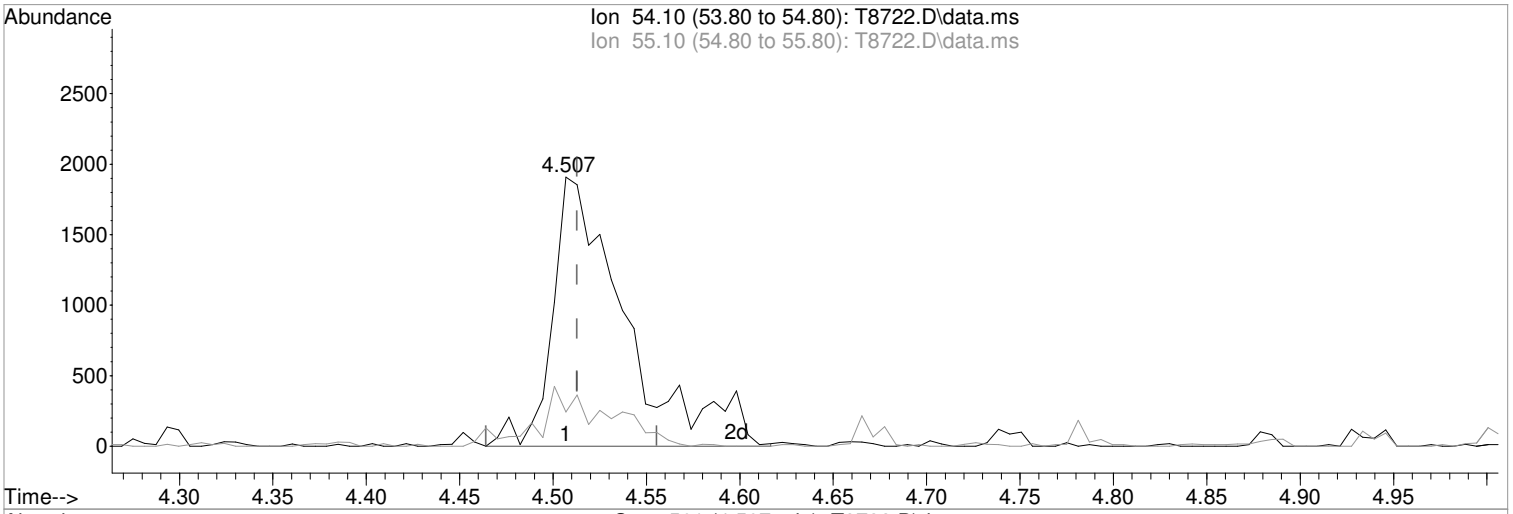
Before

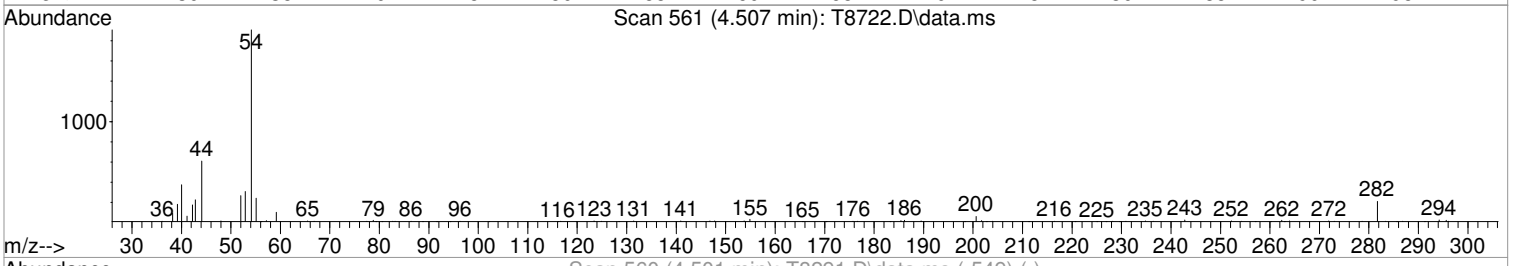
09/08/21

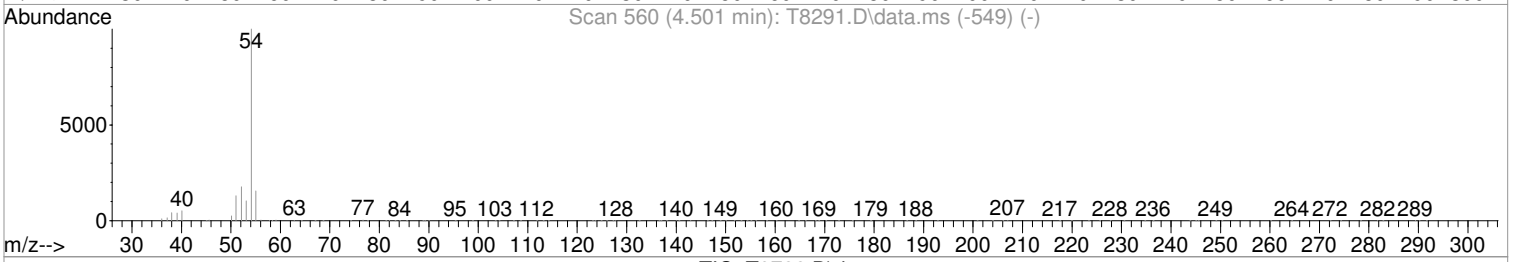
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(35) Propionitrile

4.507min (-0.006) 8.32 ug/L m

response 5209

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	12.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

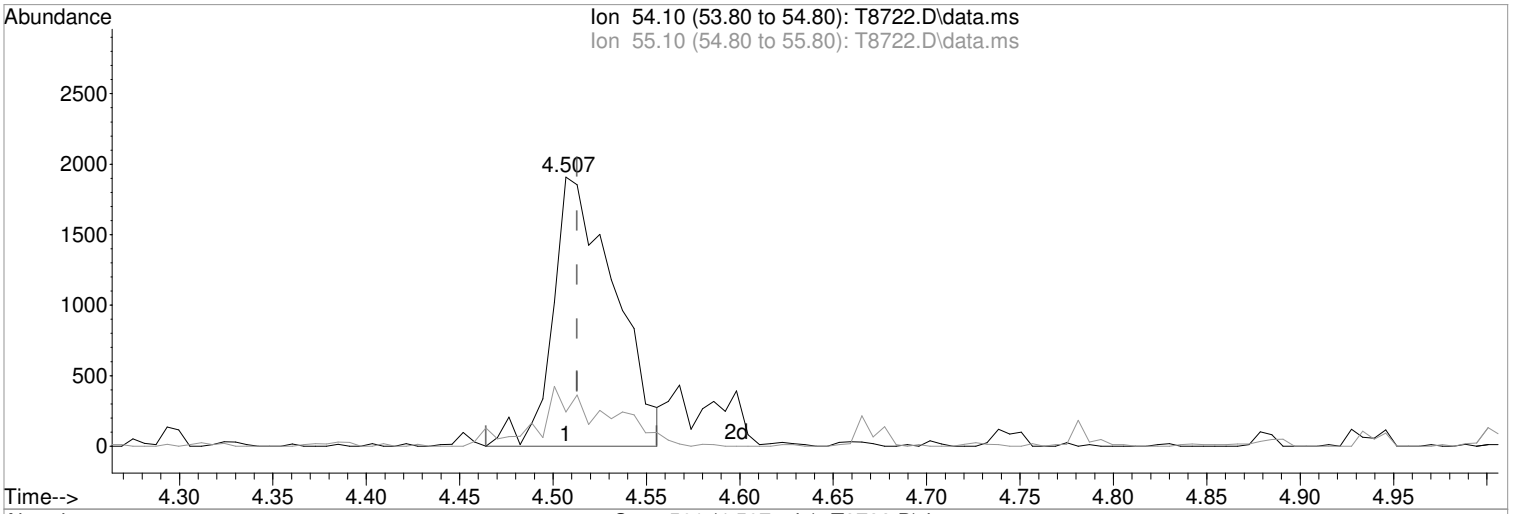
Poor integration.

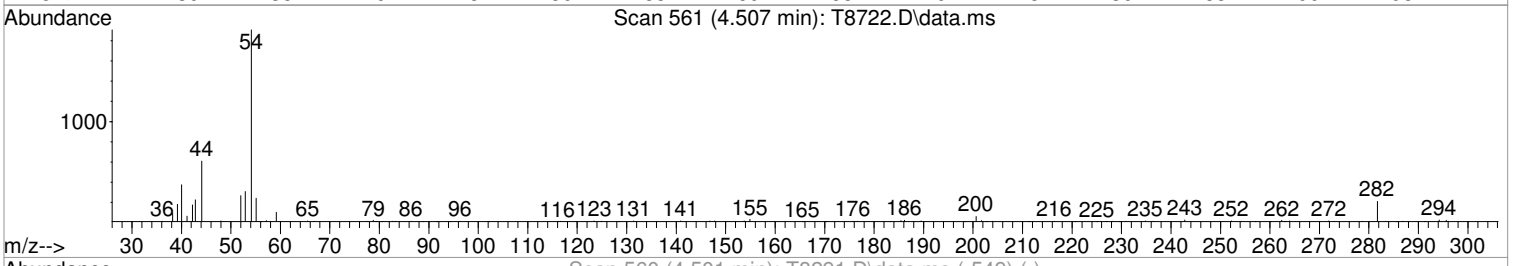
09/08/21

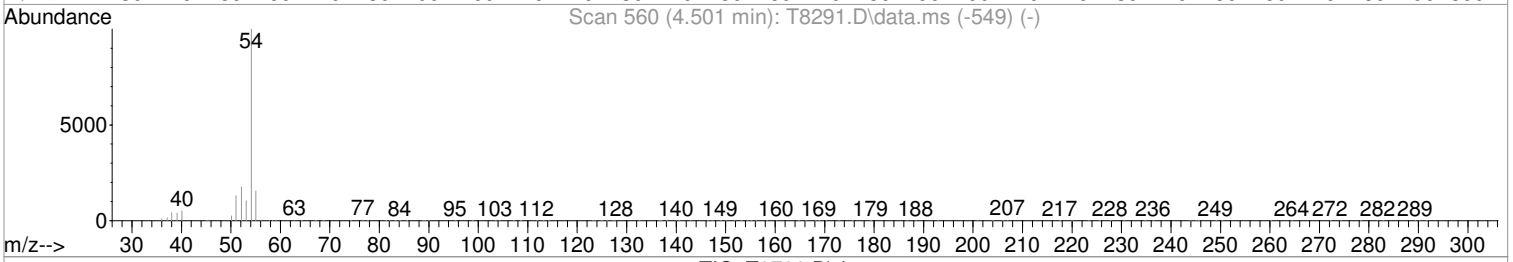
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(35) Propionitrile

4.507min (-0.006) 7.03 ug/L

response 4403

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	12.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

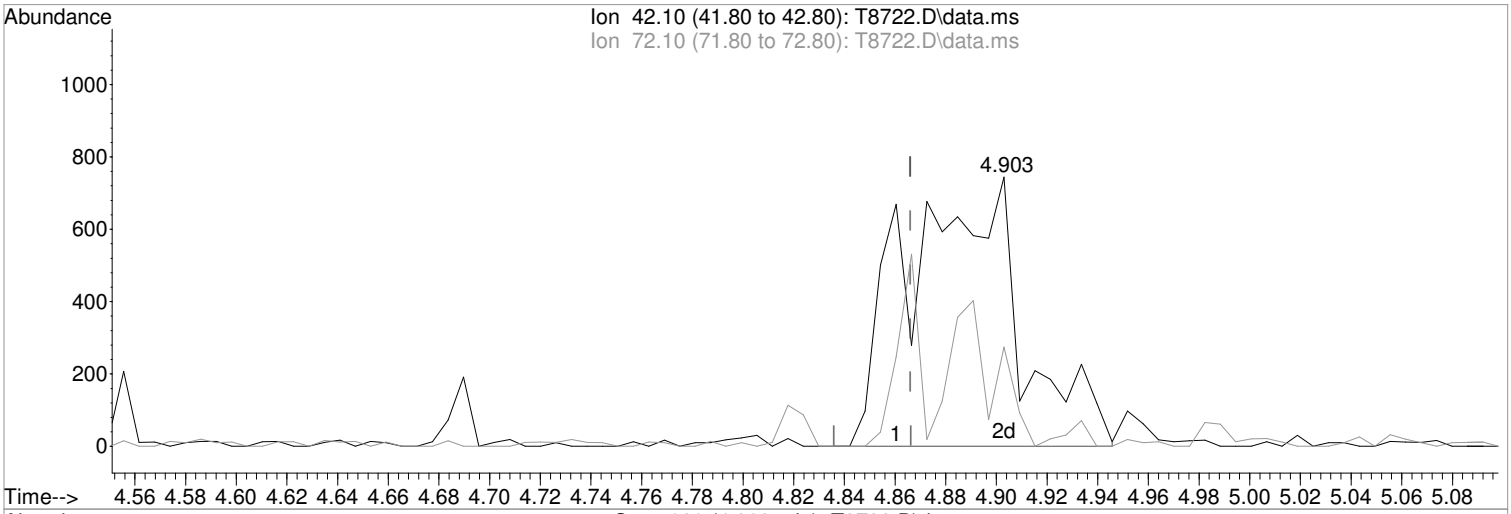
Before

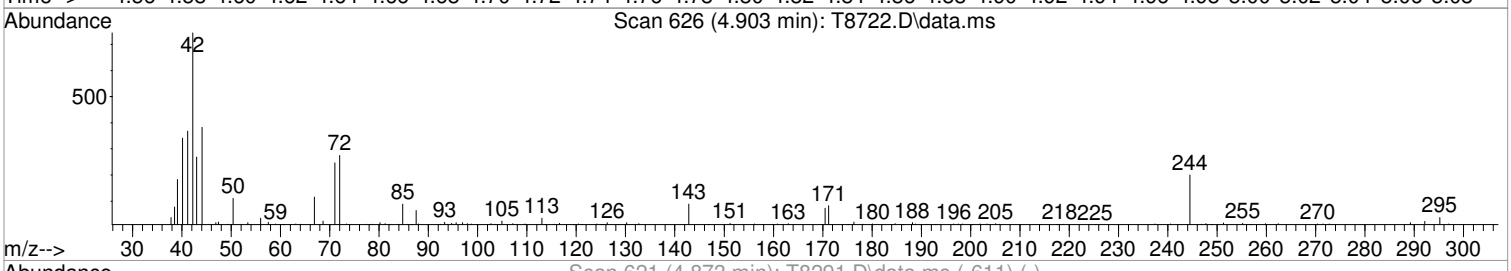
09/08/21

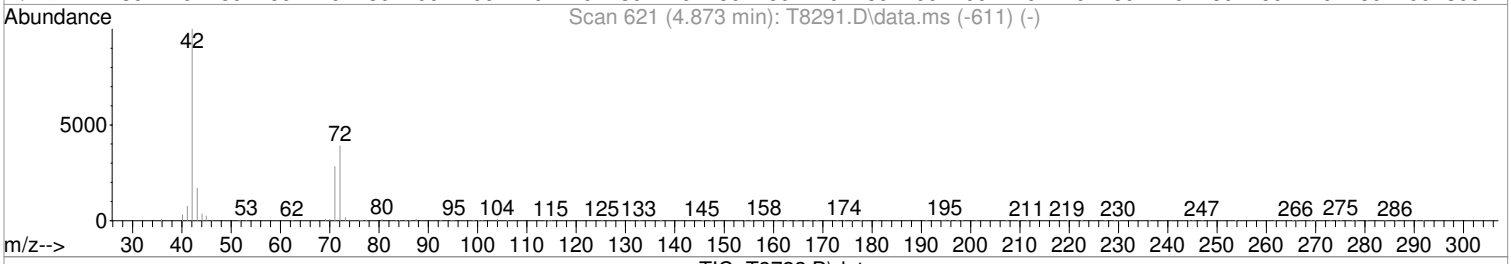
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(38) Tetrahydrofuran

4.903min (+0.037) 1.71 ug/L m

response 2324

Ion	Exp%	Act%
42.10	100	100
72.10	38.40	36.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

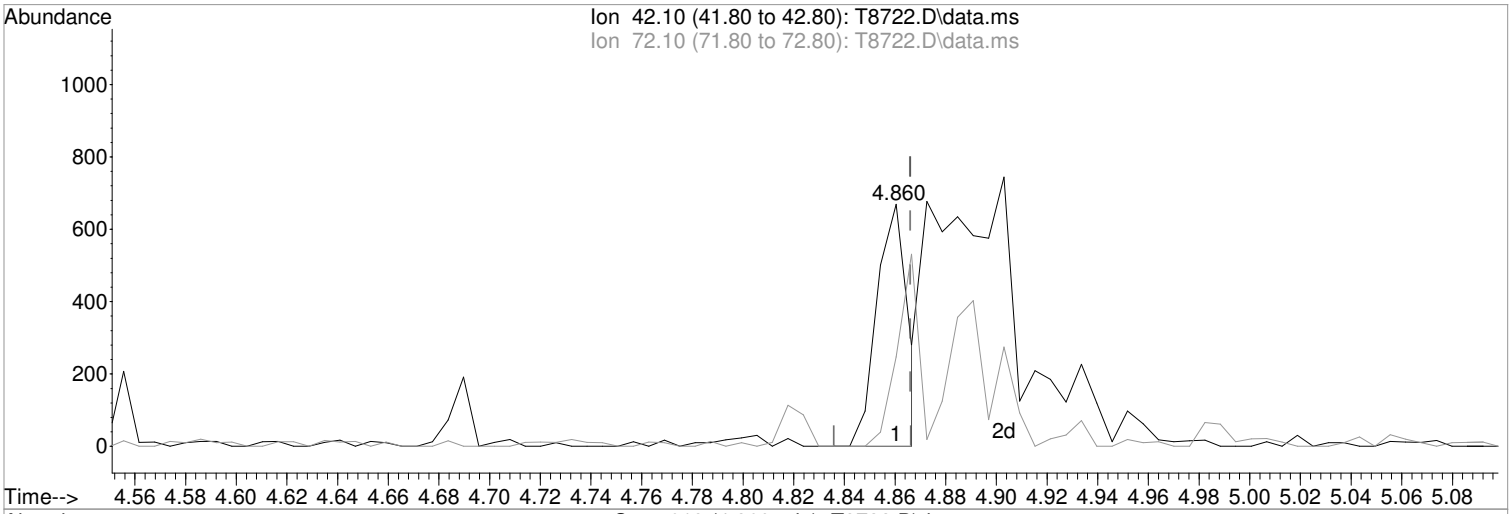
Poor integration.

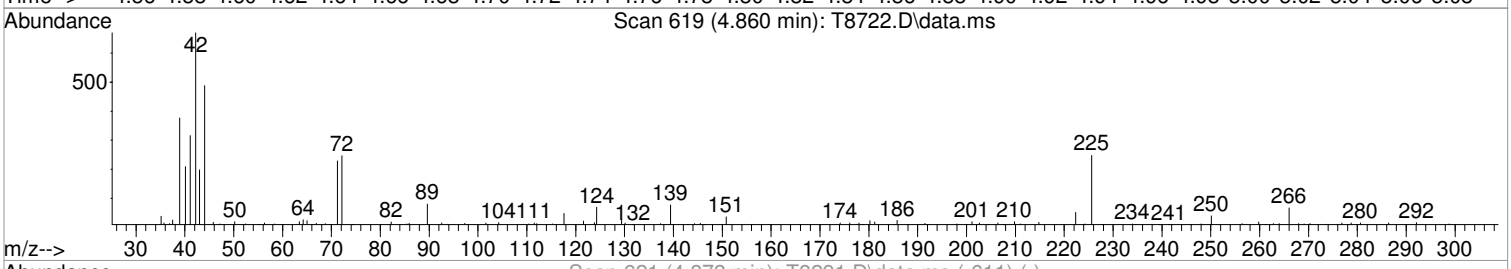
09/08/21

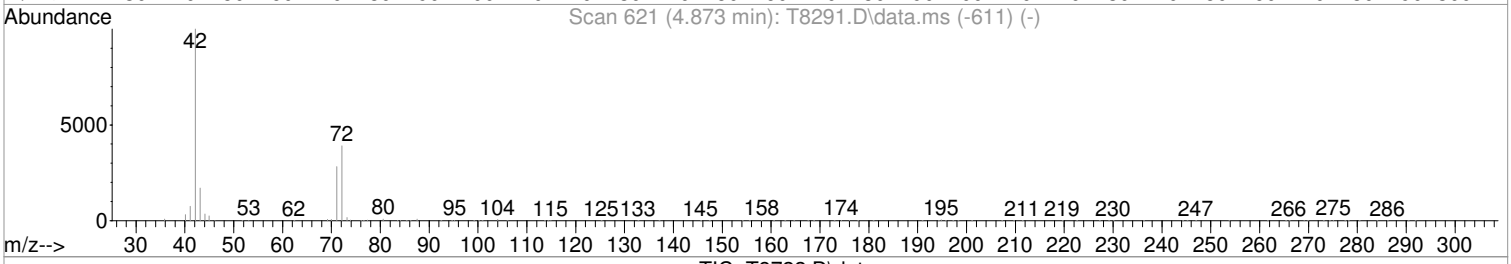
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(38) Tetrahydrofuran

4.860min (-0.006) 0.42 ug/L

response 566

Ion	Exp%	Act%
42.10	100	100
72.10	38.40	36.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

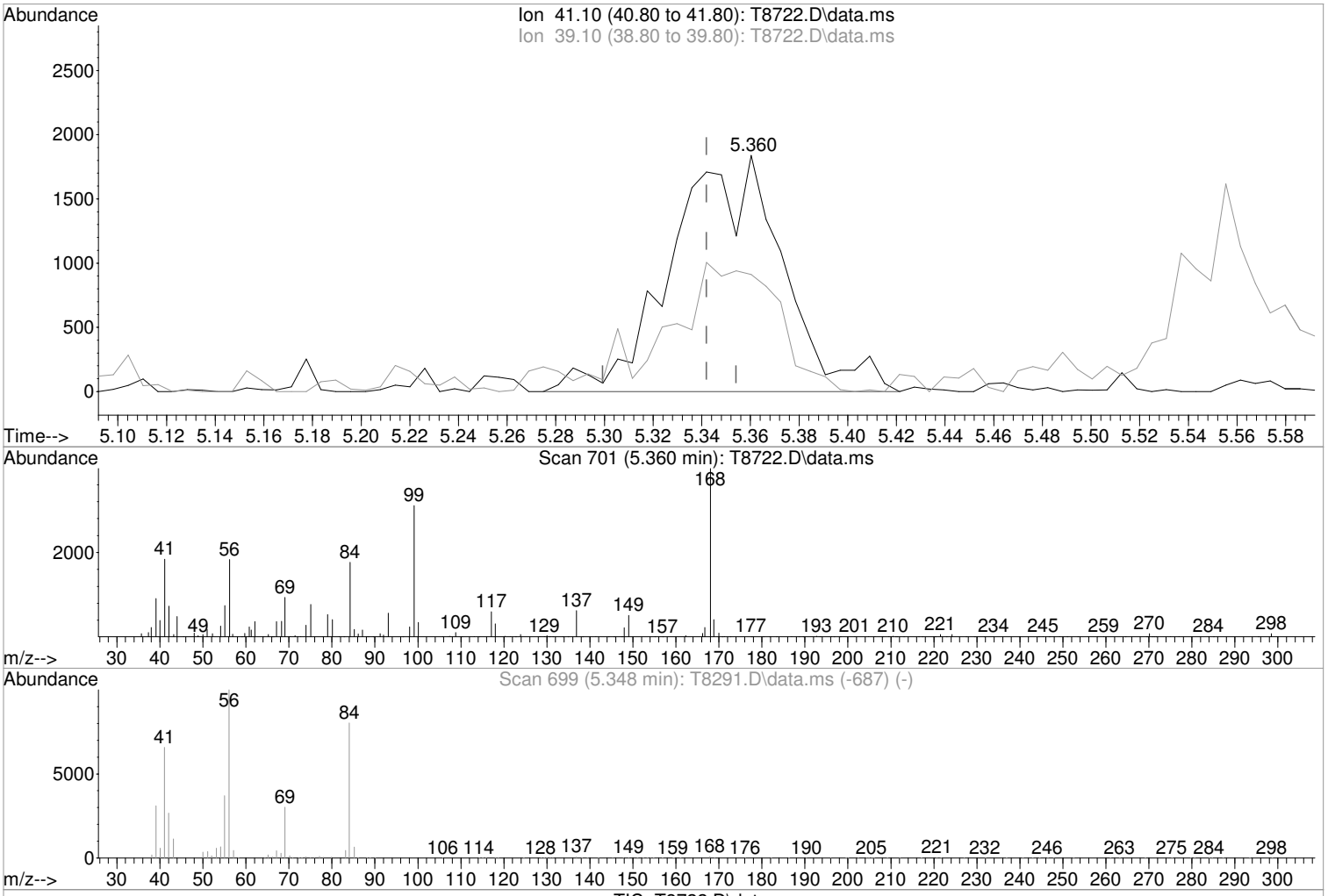
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8722.D\data.ms

(42) Cyclohexane (P)

5.360min (+0.018) 2.27 ug/L m

response 5827

Ion	Exp%	Act%
41.10	100	100
39.10	47.40	49.56
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

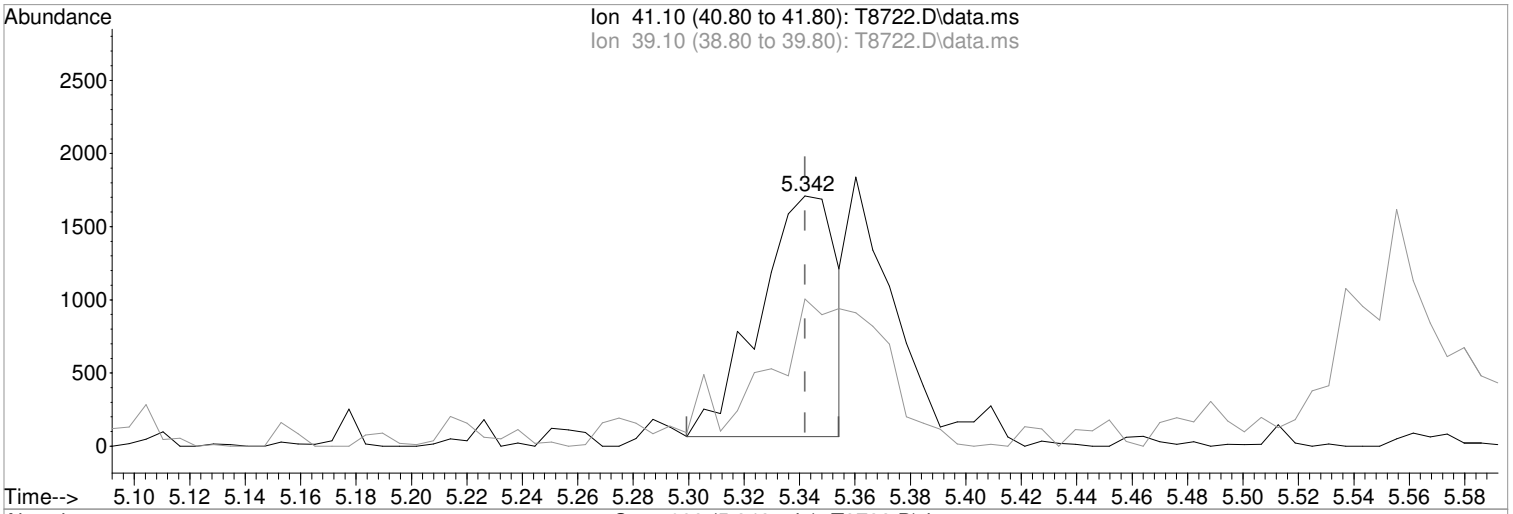
Poor integration.

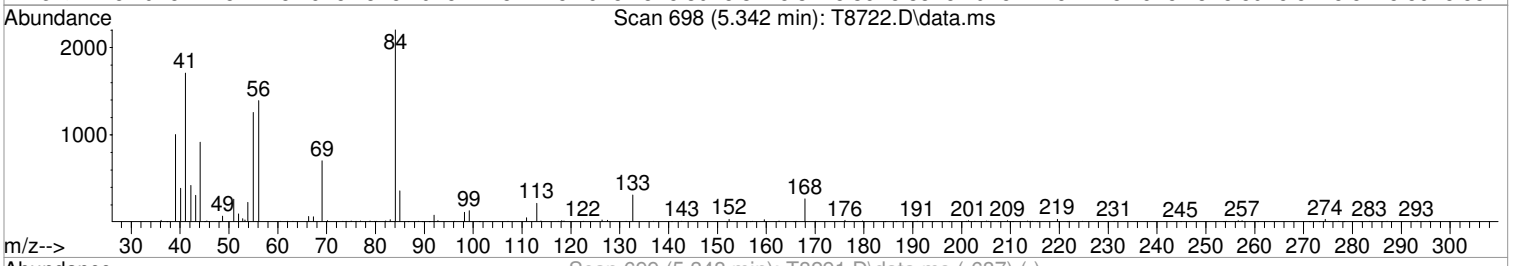
09/08/21

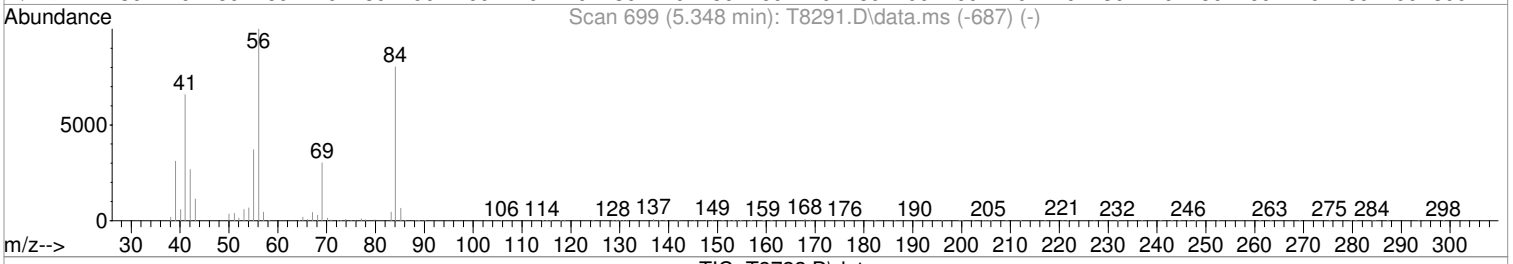
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(42) Cyclohexane (P)

5.342min (-0.000) 1.24 ug/L

response 3188

Ion	Exp%	Act%
41.10	100	100
39.10	47.40	58.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

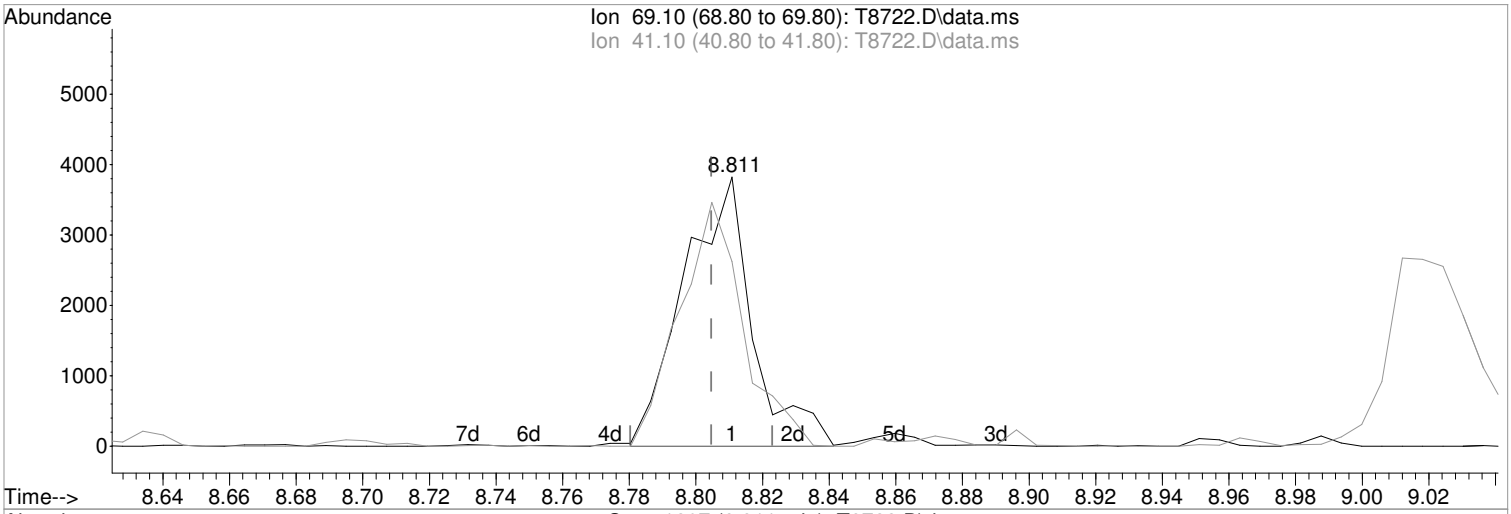
09/08/21

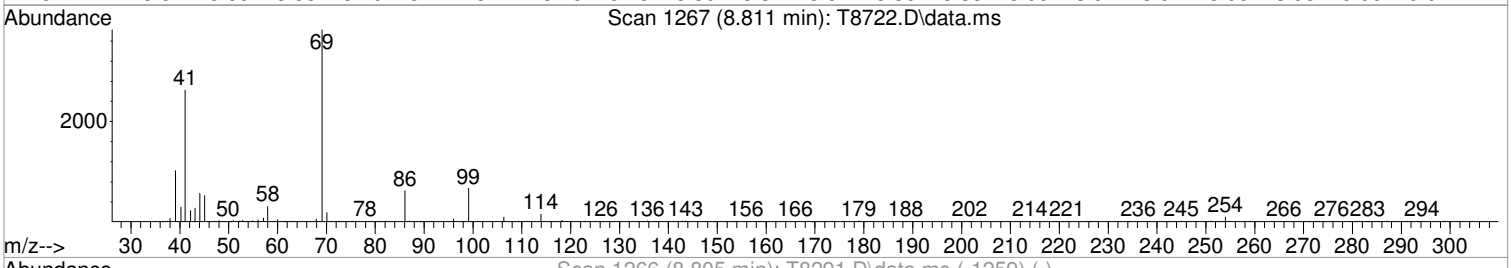
1st FJ 09/08/21
2nd 09/08/21

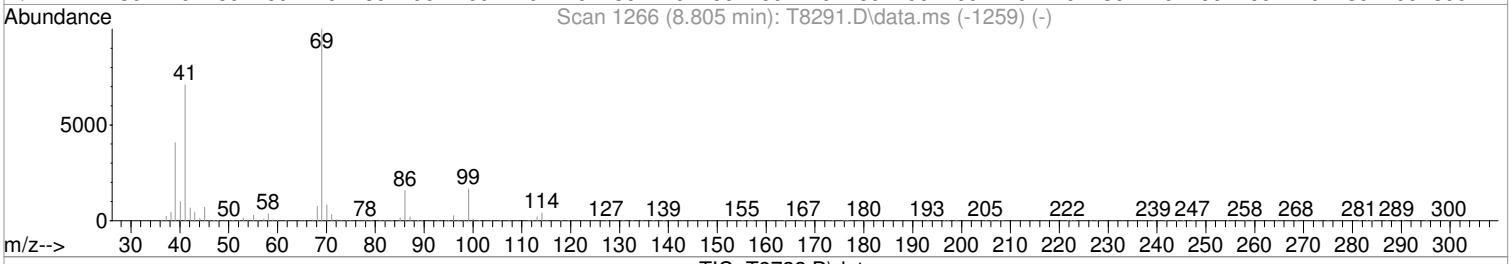
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(67) Ethyl Methacrylate

8.811min (+0.006) 1.30 ug/L m

response 5471

Ion	Exp%	Act%
69.10	100	100
41.10	70.90	68.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

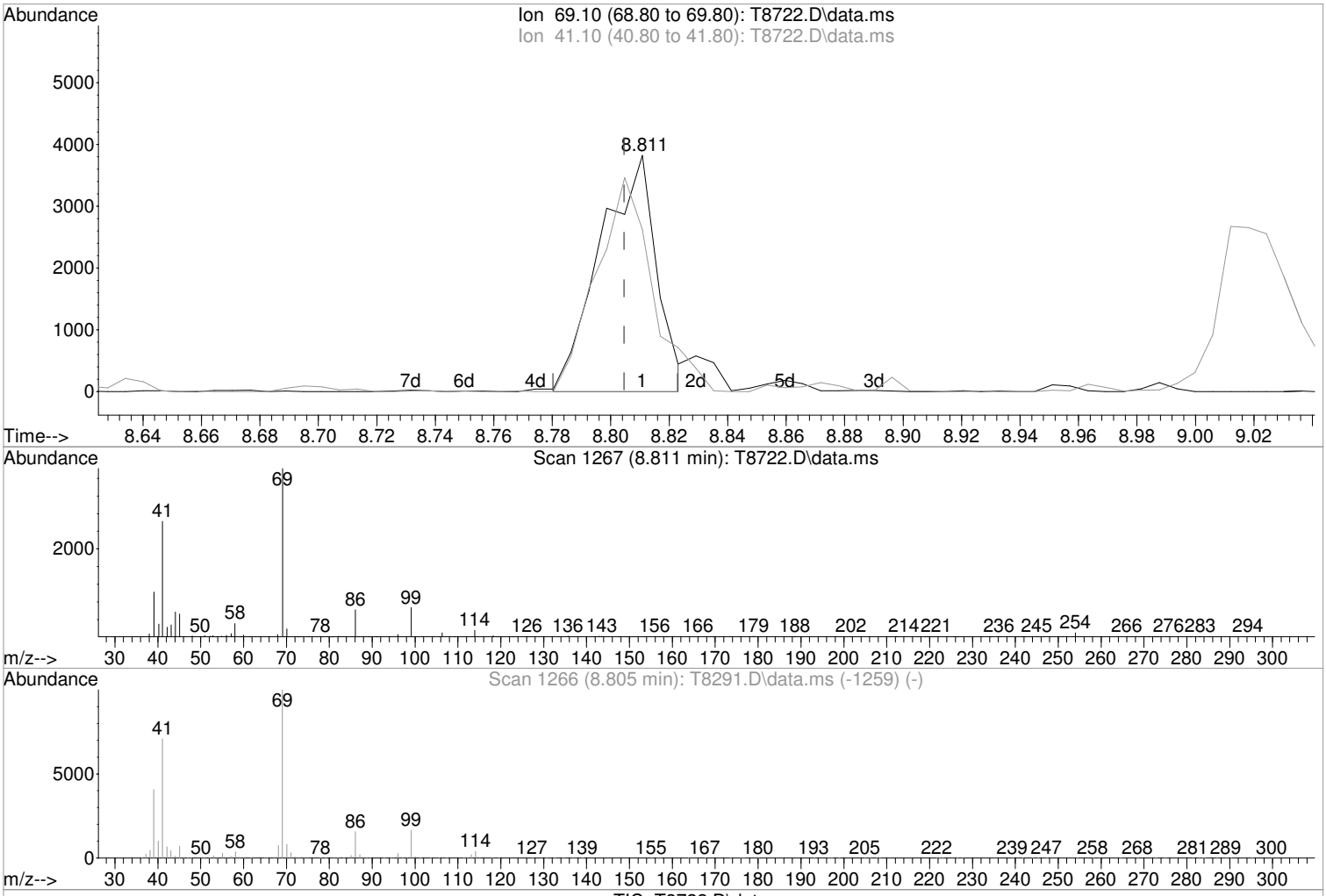
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8722.D\data.ms

(67) Ethyl Methacrylate

8.811min (+0.006) 1.21 ug/L

response 5084

Ion	Exp%	Act%
69.10	100	100
41.10	70.90	68.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:23:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	241979	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	383451	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	349343	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	166646	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	21808	9.30	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 18.60%#				
46) surr1,1,2-dichloroetha...	5.799	65	28837	9.95	ug/L		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 19.90%#				
64) SURR3,Toluene-d8	8.317	98	89926	9.92	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 19.84%#				
69) SURR2,BFB	10.884	95	29575	8.43	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 16.86%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	4717	1.84	ug/L		85
3) Chloromethane	1.282	50	6061	1.83	ug/L		96
4) Vinyl Chloride	1.361	62	5366	1.66	ug/L		82
5) Bromomethane	1.593	94	8136	2.08	ug/L		87
6) Chloroethane	1.672	64	4626	2.05	ug/L		93
7) Freon 21	1.818	67	11605	2.60	ug/L		88
8) Trichlorofluoromethane	1.867	101	7779	2.25	ug/L		87
9) Diethyl Ether	2.105	59	4165	1.83	ug/L	#	78
10) Freon 123a	2.105	67	5514	1.97	ug/L		91
11) Freon 123	2.154	83	6287	2.07	ug/L		96
12) Acrolein	2.202	56	4842	6.29	ug/L		83
13) 1,1-Diclethene	2.294	96	3885	1.92	ug/L	#	87
14) Freon 113	2.300	101	3670	1.77	ug/L	#	65
15) Acetone	2.336	43	3853	2.61	ug/L	#	71
16) 2-Propanol	2.465	45	9067	26.23	ug/L		89
17) Iodomethane	2.428	142	3856m	1.17	ug/L		
18) Carbon Disulfide	2.489	76	7946	1.30	ug/L		68
19) Acetonitrile	2.586	41	4003	6.96	ug/L		96
20) Allyl Chloride	2.623	76	2293m	1.69	ug/L		
21) Methyl Acetate	2.641	43	6205	1.97	ug/L		97
22) Methylene Chloride	2.745	84	4633m	1.77	ug/L		
23) TBA	2.873	59	13190	23.48	ug/L		91
24) Acrylonitrile	3.001	53	11725	7.94	ug/L		83
25) Methyl-t-Butyl Ether	3.050	73	15142	1.78	ug/L		94
26) trans-1,2-Dichloroethene	3.038	96	4340	1.92	ug/L		94
27) 1,1-Diclethane	3.537	63	7243	1.73	ug/L		84
28) Vinyl Acetate	3.635	86	824	1.43	ug/L	#	1
29) DIPE	3.659	45	15176	1.89	ug/L		92
30) 2-Chloro-1,3-Butadiene	3.665	53	5610	1.70	ug/L		95
31) ETBE	4.196	59	13557	1.86	ug/L		70
32) 2,2-Dichloropropane	4.379	77	5889	1.74	ug/L	#	77
33) cis-1,2-Dichloroethene	4.385	96	4806	1.90	ug/L		95
34) 2-Butanone	4.434	43	3950	1.85	ug/L		85
35) Propionitrile	4.507	54	5209m	8.32	ug/L		
36) Bromochloromethane	4.775	130	2976	1.80	ug/L	#	79
37) Methacrylonitrile	4.781	67	1810	1.24	ug/L	#	48
38) Tetrahydrofuran	4.903	42	2324m	1.71	ug/L		
39) Chloroform	4.958	83	8698	1.94	ug/L		87
40) 1,1,1-Trichloroethane	5.257	97	6398	1.98	ug/L		88

1st FNJ 09/08/21
2nd 09/08/21

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:23:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.360	41	5827m	2.27	ug/L		
44) Carbontetrachloride	5.549	117	4910	1.75	ug/L		84
45) 1,1-Dichloropropene	5.555	75	5146	1.68	ug/L		97
47) Benzene	5.878	78	16827	1.74	ug/L		87
48) 1,2-Dichloroethane	5.909	62	7040	1.95	ug/L		79
49) Iso-Butyl Alcohol	5.891	43	5119	20.25	ug/L		96
50) TAME	6.116	73	13190	1.67	ug/L		90
51) n-Heptane	6.372	43	5318	1.77	ug/L		89
52) 1-Butanol	6.866	56	6009	38.93	ug/L		89
53) Trichloroethene	6.823	130	4552	1.76	ug/L	#	70
54) Methylcyclohexane	7.061	55	5541	1.93	ug/L	#	76
55) 1,2-Diclpropane	7.104	63	5119	1.86	ug/L		90
56) Dibromomethane	7.256	93	3072	1.70	ug/L	#	79
57) 1,4-Dioxane	7.317	88	1390	22.10	ug/L	#	61
58) Methyl Methacrylate	7.335	69	3645	1.50	ug/L	#	83
59) Bromodichloromethane	7.482	83	4694	1.38	ug/L		89
60) 2-Nitropropane	7.762	41	2431	2.28	ug/L	#	67
61) 2-Chloroethylvinyl Ether	7.884	63	2907	1.72	ug/L		81
62) cis-1,3-Dichloropropene	8.018	75	6025	1.51	ug/L		80
63) 4-Methyl-2-pentanone	8.232	43	5173	1.31	ug/L		86
65) Toluene	8.390	91	18580	1.82	ug/L		97
66) trans-1,3-Dichloropropene	8.665	75	5514	1.45	ug/L		92
67) Ethyl Methacrylate	8.811	69	5471m	1.30	ug/L		
68) 1,1,2-Trichloroethane	8.854	97	3848	1.58	ug/L	#	87
71) Tetrachloroethene	8.988	164	3312	1.79	ug/L	#	77
72) 2-Hexanone	9.140	43	3738	1.26	ug/L		89
73) 1,3-Dichloropropane	9.018	76	7281	1.77	ug/L		92
74) Dibromochloromethane	9.250	129	3371	1.43	ug/L		84
75) N-Butyl Acetate	9.299	43	7537	1.33	ug/L		84
76) 1,2-Dibromoethane	9.341	107	3805	1.47	ug/L		82
77) 3-Chlorobenzotrifluoride	9.853	180	6211	1.86	ug/L		88
78) Chlorobenzene	9.841	112	11958	1.85	ug/L	#	80
79) 4-Chlorobenzotrifluoride	9.908	180	4989	1.66	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.926	131	3523	1.56	ug/L		79
81) Ethylbenzene	9.957	106	5659	1.69	ug/L	#	79
82) (m+p)Xylene	10.067	106	13996	3.30	ug/L		93
83) o-Xylene	10.426	106	7658	1.83	ug/L	#	84
84) Styrene	10.439	104	10979	1.50	ug/L		92
85) Bromoform	10.591	173	1987	1.06	ug/L		76
86) 2-Chlorobenzotrifluoride	10.670	180	5619	1.67	ug/L	#	69
87) Isopropylbenzene	10.762	105	16827	1.71	ug/L		98
88) Cyclohexanone	10.823	55	16140	24.66	ug/L		95
89) trans-1,4-Dichloro-2-B...	11.066	53	926	0.97	ug/L	#	47
91) 1,1,2,2-Tetrachloroethane	11.024	83	5028	1.61	ug/L		87
92) Bromobenzene	11.012	156	4453	1.73	ug/L	#	83
93) 1,2,3-Trichloropropane	11.054	110	2055	1.95	ug/L	#	50
94) n-Propylbenzene	11.115	91	20432	1.95	ug/L		96
95) 2-Chlorotoluene	11.182	91	11867	1.78	ug/L		87
96) 3-Chlorotoluene	11.231	91	12541	1.97	ug/L		89
97) 4-Chlorotoluene	11.274	91	12968	1.80	ug/L		94
98) 1,3,5-Trimethylbenzene	11.268	105	14184	1.88	ug/L		86
99) tert-Butylbenzene	11.542	119	12334	1.92	ug/L		93
100) 1,2,4-Trimethylbenzene	11.585	105	14130	1.89	ug/L		86
101) 3,4-Dichlorobenzotrifl...	11.640	214	4116	1.80	ug/L		82
102) sec-Butylbenzene	11.725	105	17447	1.92	ug/L		85
103) p-Isopropyltoluene	11.847	119	13708	1.73	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:23:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

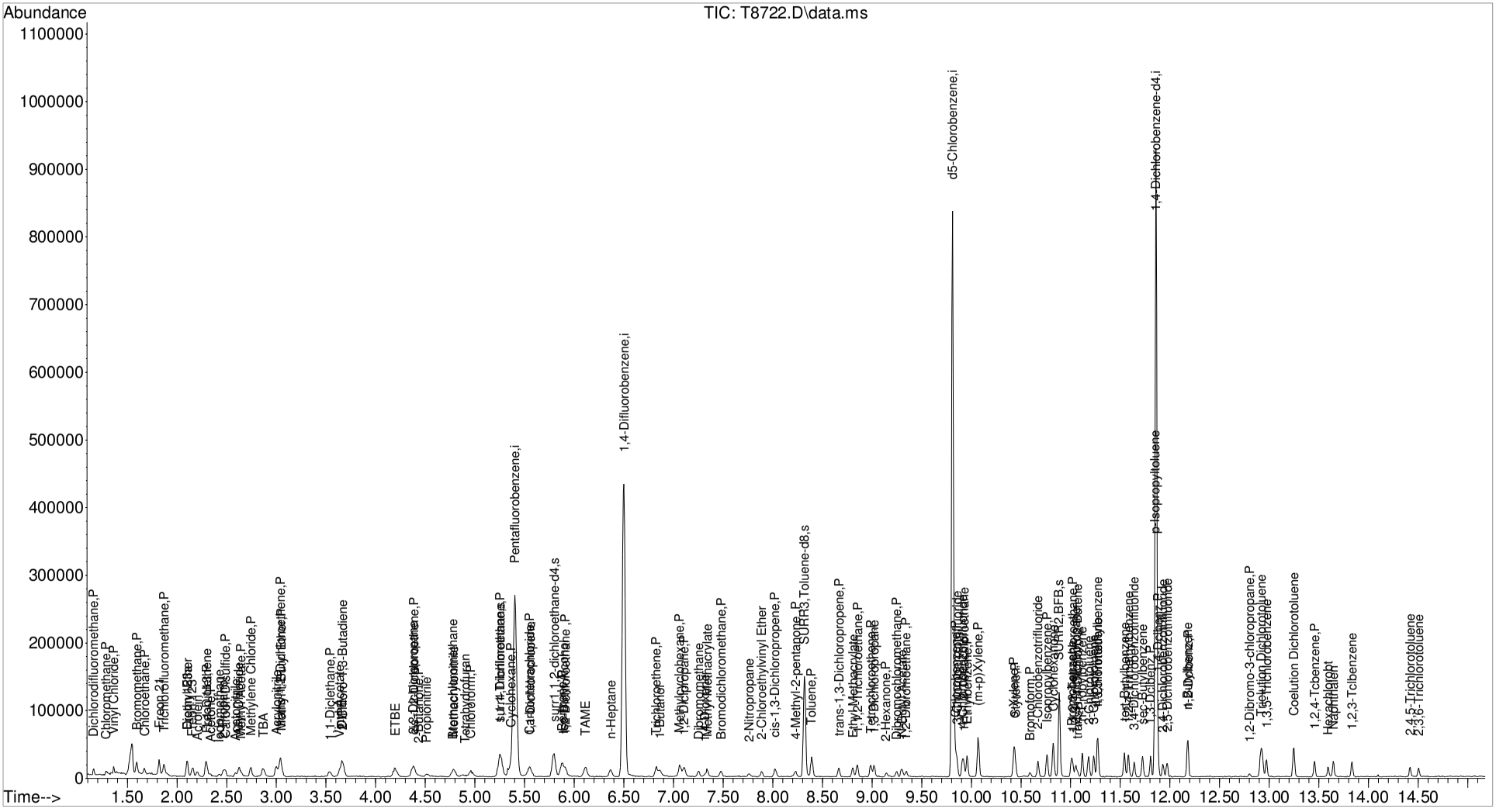
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	7931	1.73	ug/L		90
105) 1,4-Dclbenz	11.877	146	8886	1.82	ug/L		82
106) 2,4-Dichlorobenzotrifl...	11.926	214	3480	1.64	ug/L	#	84
107) 2,5-Dichlorobenzotrifl...	11.975	214	3304	1.38	ug/L		81
108) n-Butylbenzene	12.176	91	12933	1.74	ug/L		97
109) 1,2-Dclbenz	12.182	146	8360	1.79	ug/L		94
110) 1,2-Dibromo-3-chloropr...	12.798	157	870	1.20	ug/L	#	82
111) Trielution Dichlorotol...	12.920	125	18151	5.09	ug/L		91
112) 1,3,5-Trichlorobenzene	12.975	180	5684	1.72	ug/L		90
113) Coelution Dichlorotoluene	13.249	125	13182	3.32	ug/L		97
114) 1,2,4-Tcbenzene	13.456	180	5151	1.72	ug/L		93
115) Hexachlorobt	13.590	225	1422	1.16	ug/L	#	60
116) Naphthalen	13.645	128	14164	1.55	ug/L		93
117) 1,2,3-Tclbenzene	13.834	180	4928	1.65	ug/L		84
118) 2,4,5-Trichlorotoluene	14.419	159	2633	1.39	ug/L		90
119) 2,3,6-Trichlorotoluene	14.505	159	2456m	1.46	ug/L		

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:23:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

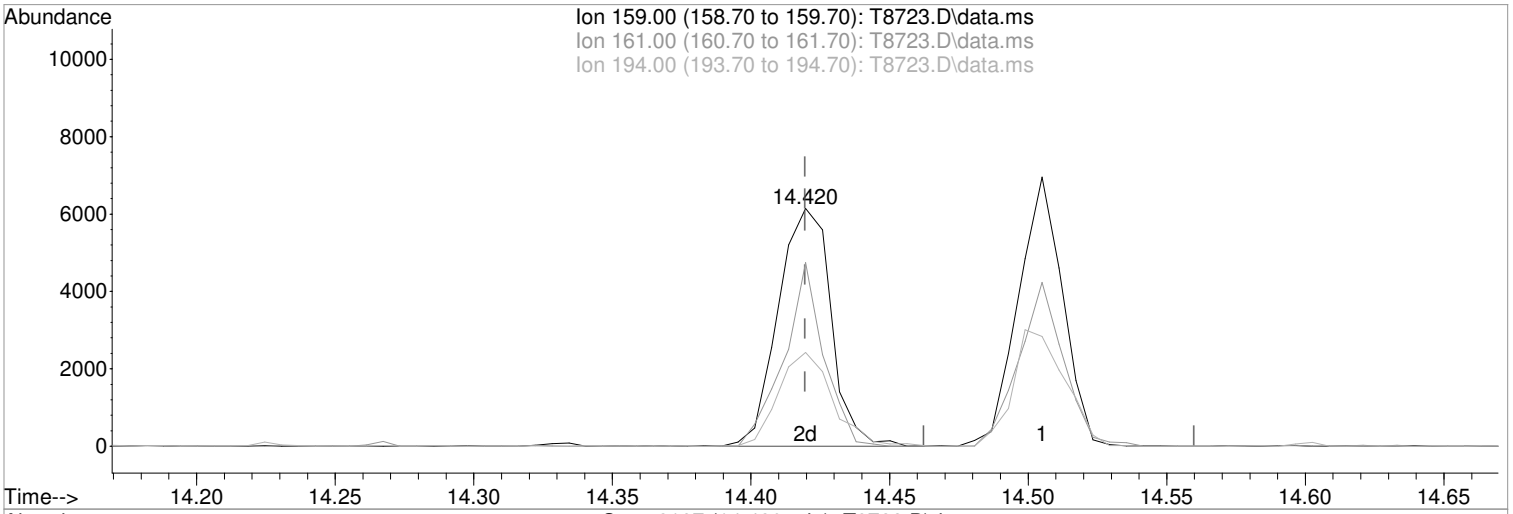


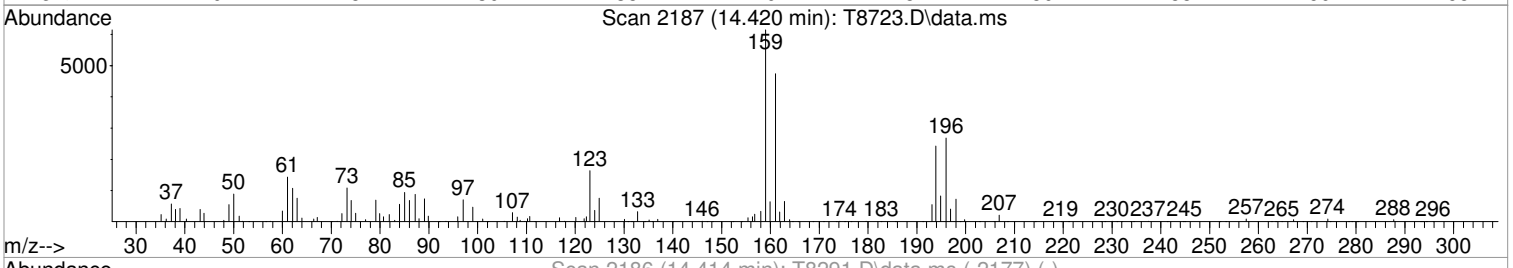
1st FJ 09/08/21
2nd 09/08/21

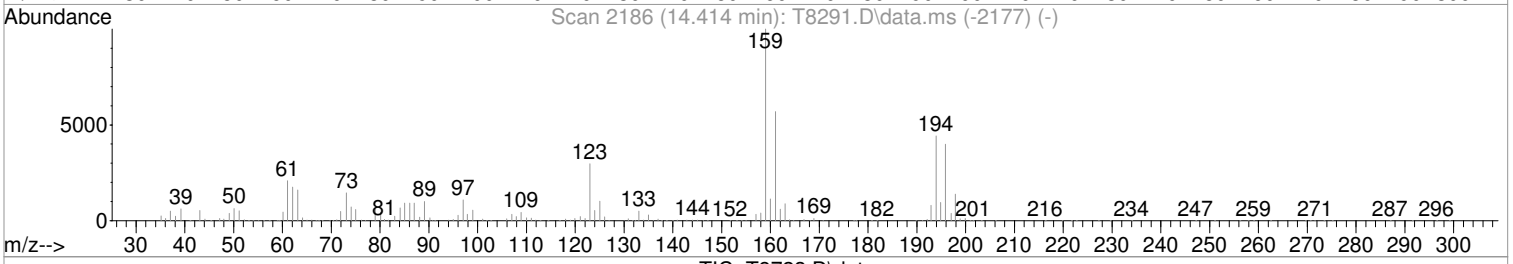
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(118) 2,4,5-Trichlorotoluene

14.420min (+0.000) 4.28 ug/L m

response 8133

Ion	Exp%	Act%
159.00	100	100
161.00	56.90	77.23#
194.00	44.20	39.46
0.00	0.00	0.00

Manual Integration:

After

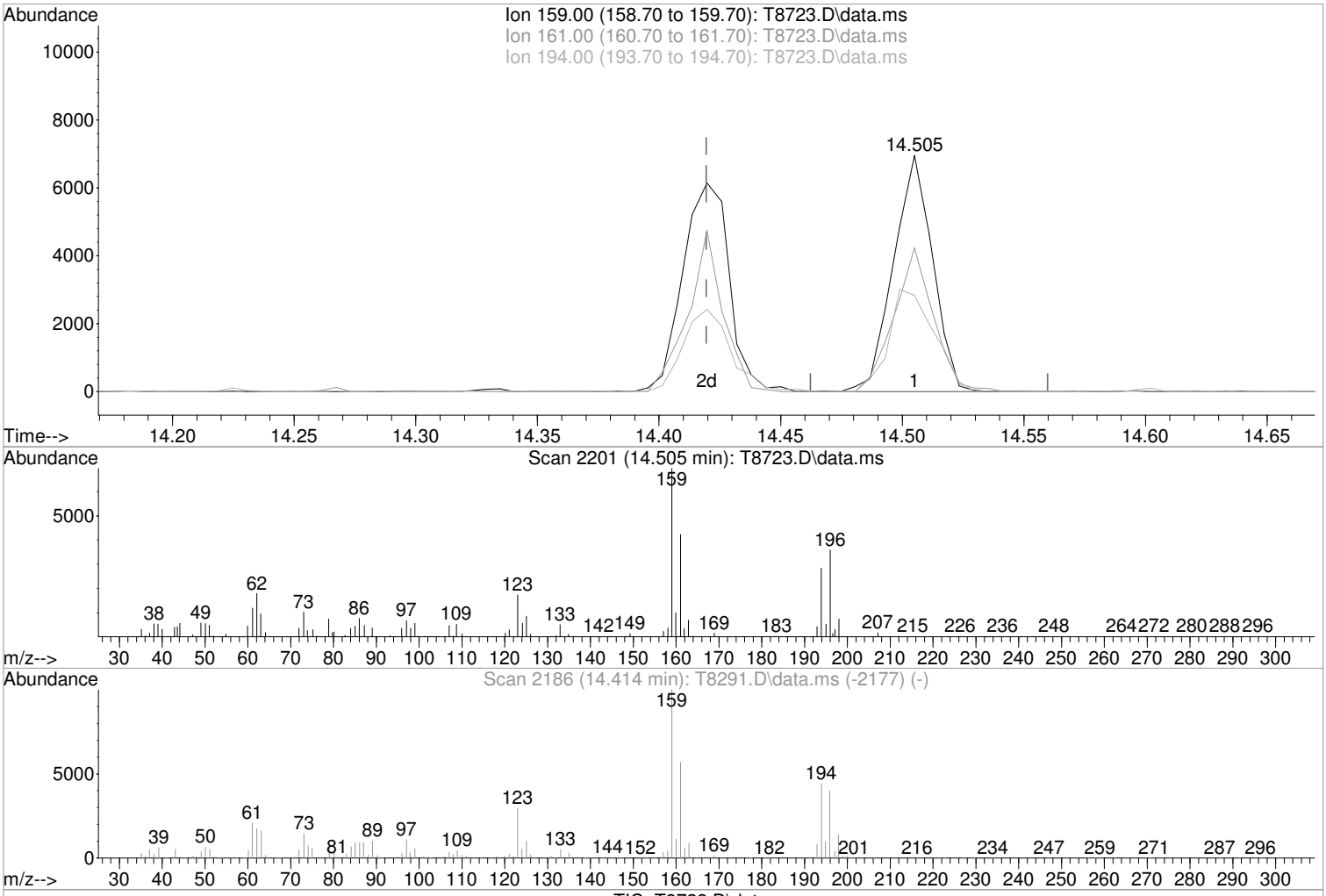
Wrong peak selected.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8723.D\data.ms

(118) 2,4,5-Trichlorotoluene

14.505min (+0.085) 4.10 ug/L

response 7786

Ion	Exp%	Act%
159.00	100	100
161.00	56.90	60.91
194.00	44.20	40.76
0.00	0.00	0.00

Manual Integration:

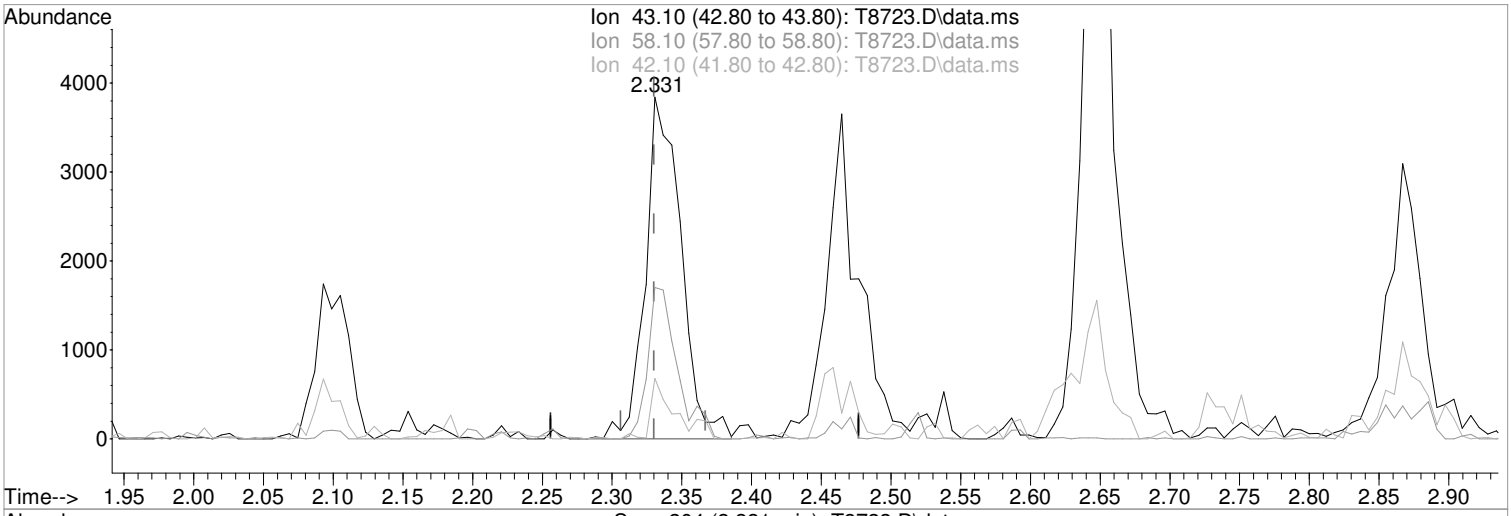
Before

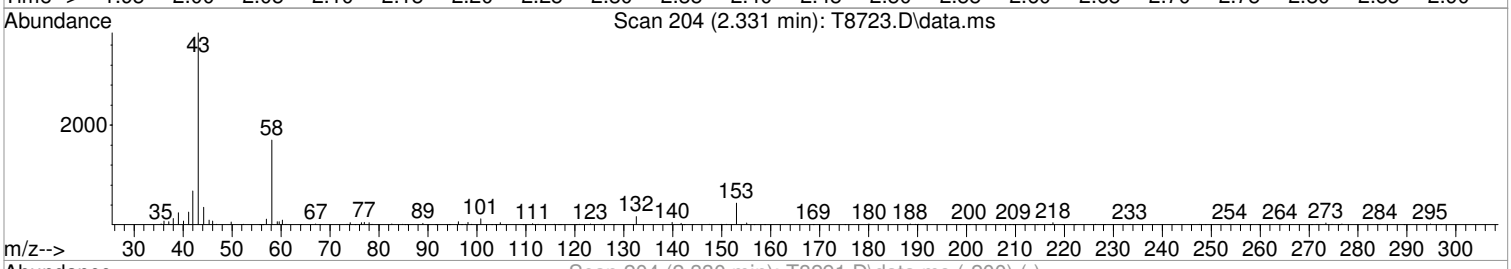
09/08/21

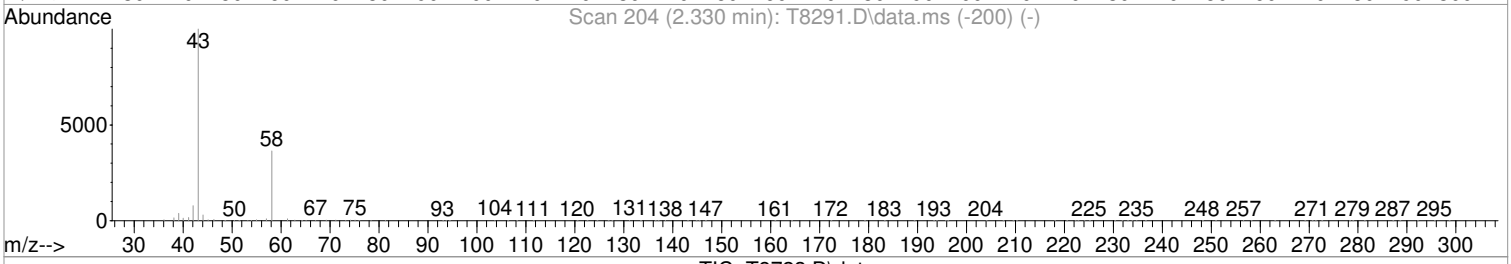
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(15) Acetone (P)

2.331min (+0.001) 4.71 ug/L m

response 6811

Ion	Exp%	Act%
43.10	100	100
58.10	36.30	44.25
42.10	8.20	17.69
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

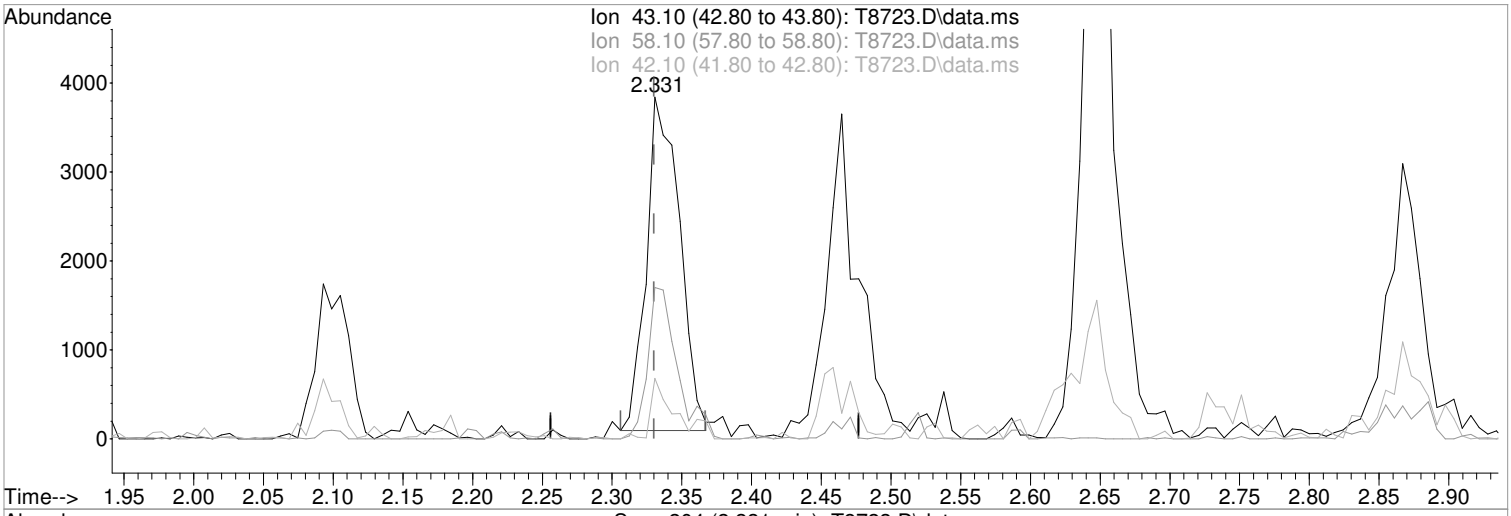
09/08/21

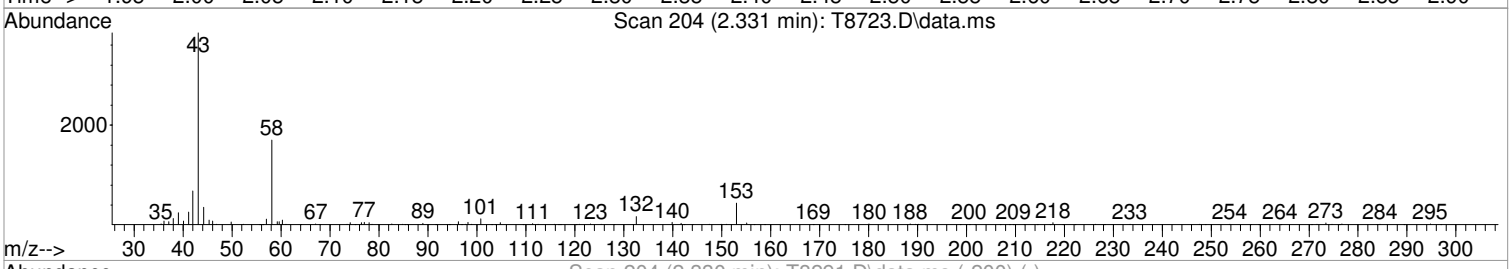
1st FN 09/08/21
2nd 09/08/21

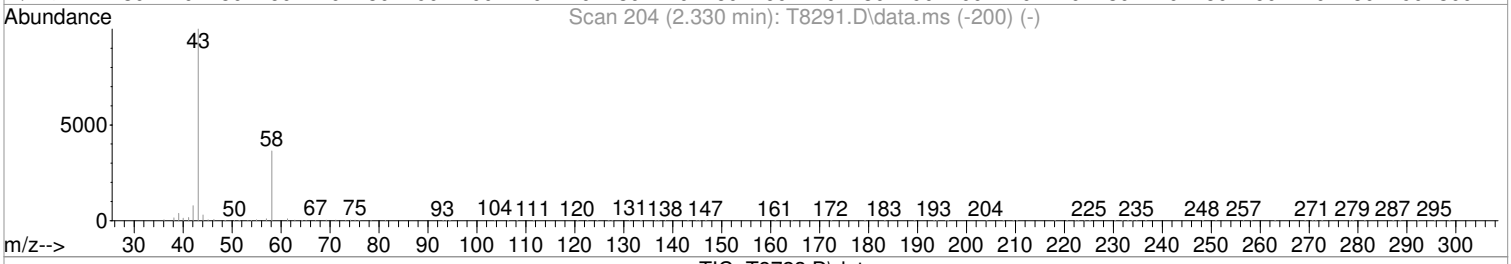
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(15) Acetone (P)

2.331min (+0.001) 4.27 ug/L

response 6183

Ion	Exp%	Act%
43.10	100	100
58.10	36.30	44.25
42.10	8.20	17.69
0.00	0.00	0.00

Manual Integration:

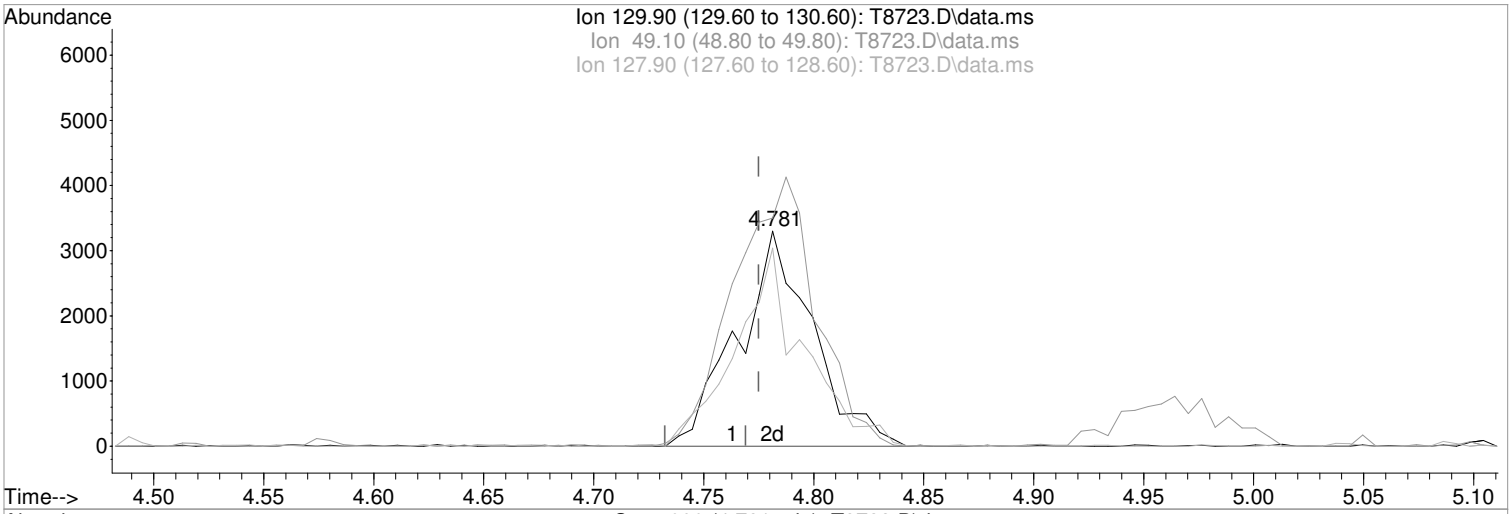
Before

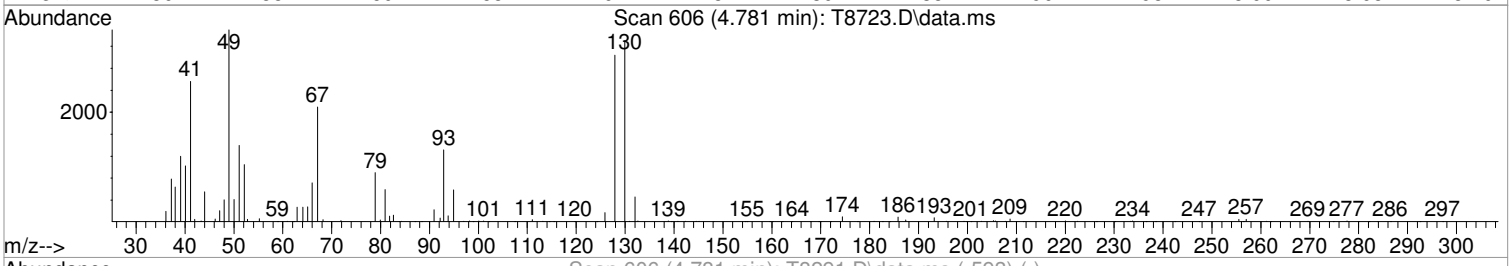
09/08/21

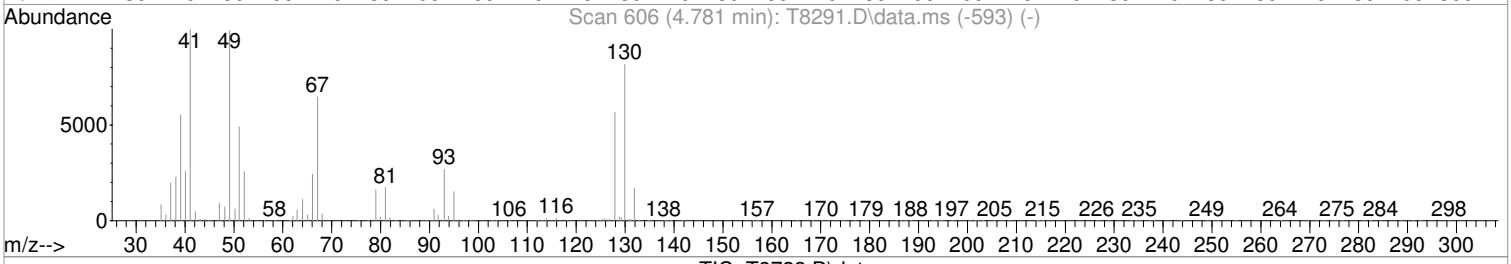
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(36) Bromochloromethane

4.781min (+0.006) 4.82 ug/L m

response 7796

Ion	Exp%	Act%
129.90	100	100
49.10	121.80	106.00
127.90	69.40	92.09#
0.00	0.00	0.00

Manual Integration:

After

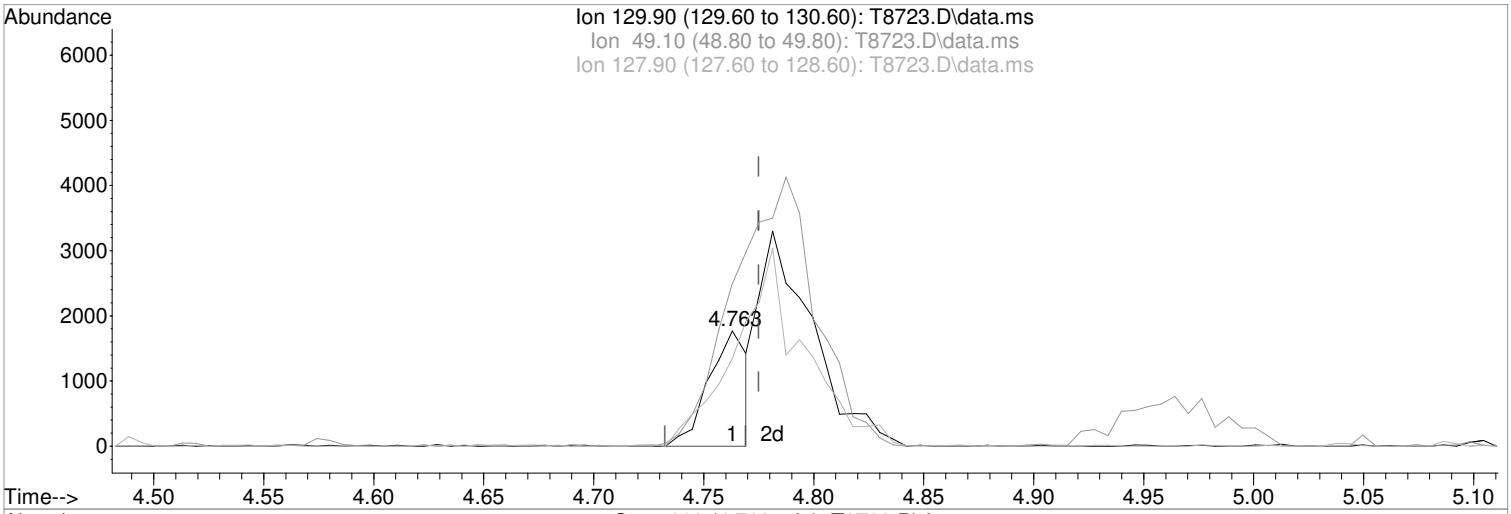
Poor integration.

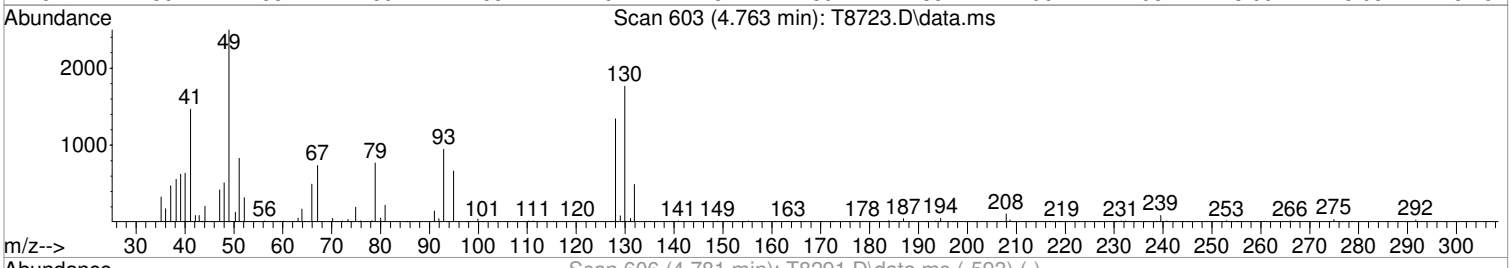
09/08/21

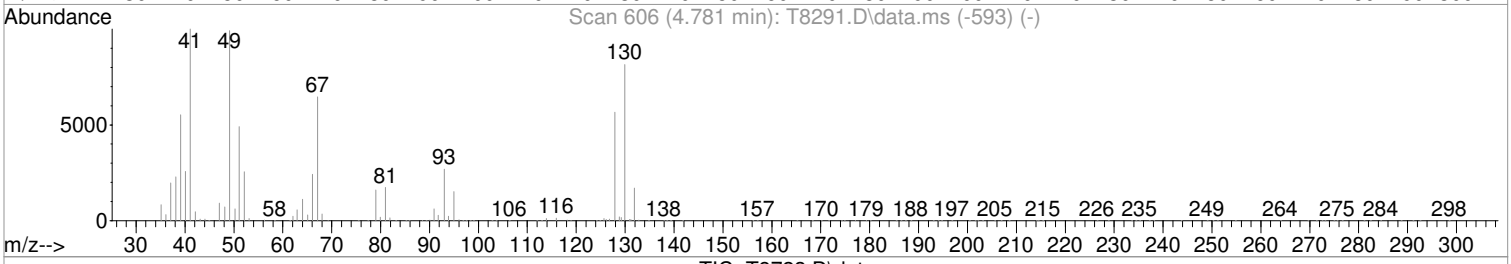
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(36) Bromochloromethane

4.763min (-0.012) 1.33 ug/L

response 2153

Ion	Exp%	Act%
129.90	100	100
49.10	121.80	141.34
127.90	69.40	76.05
0.00	0.00	0.00

Manual Integration:

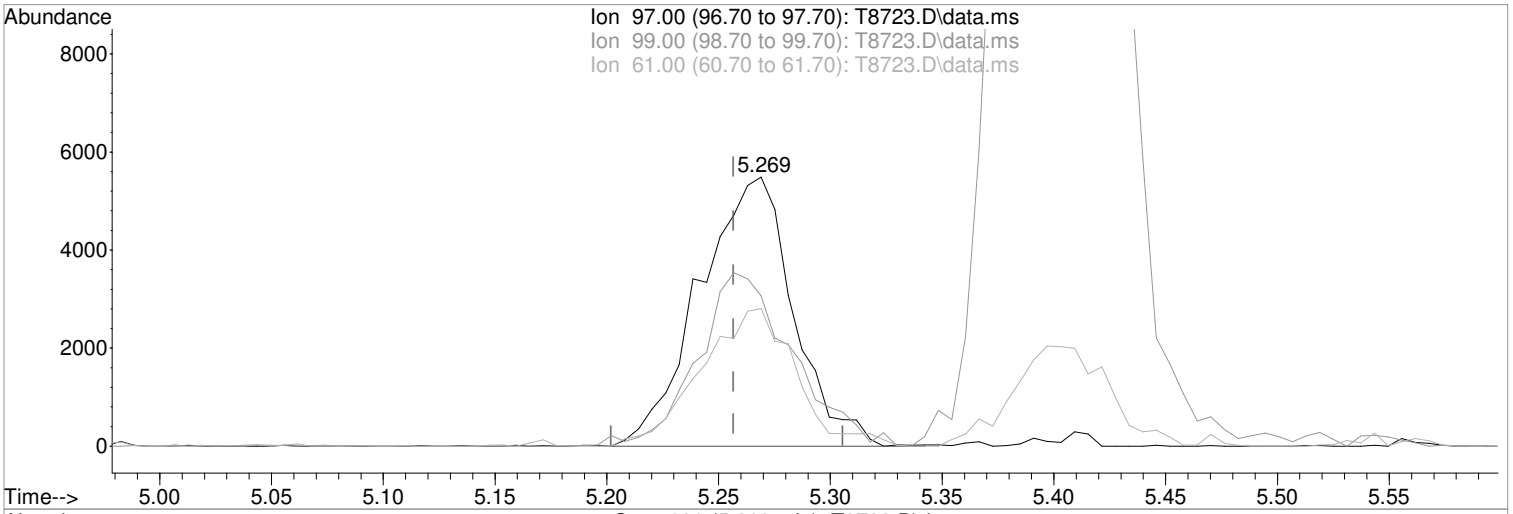
Before

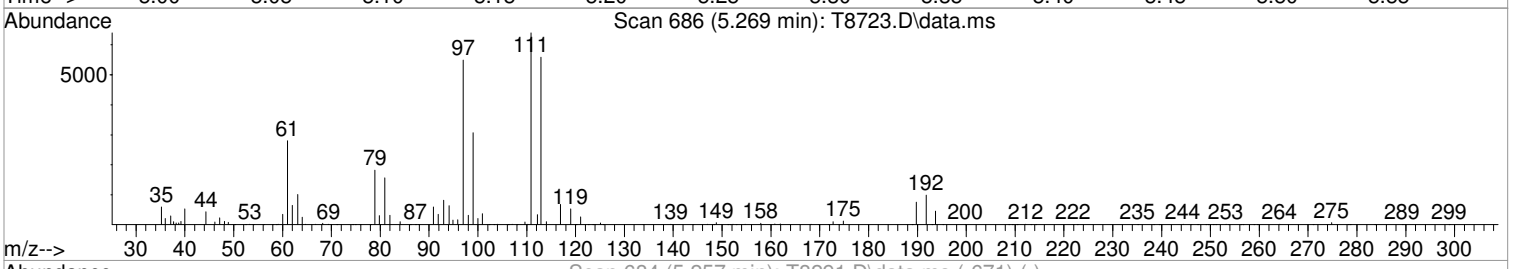
09/08/21

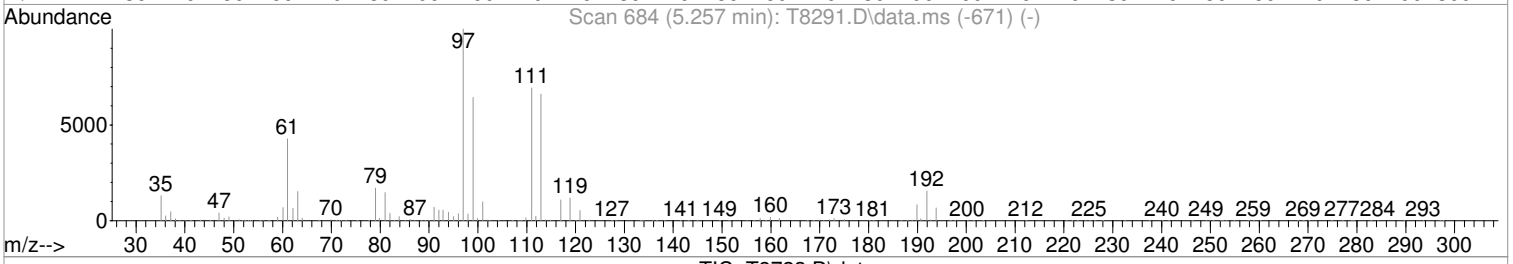
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

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

5.269min (+0.012) 5.05 ug/L m

response 16030

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	55.96
61.00	42.80	51.13
0.00	0.00	0.00

Manual Integration:

After

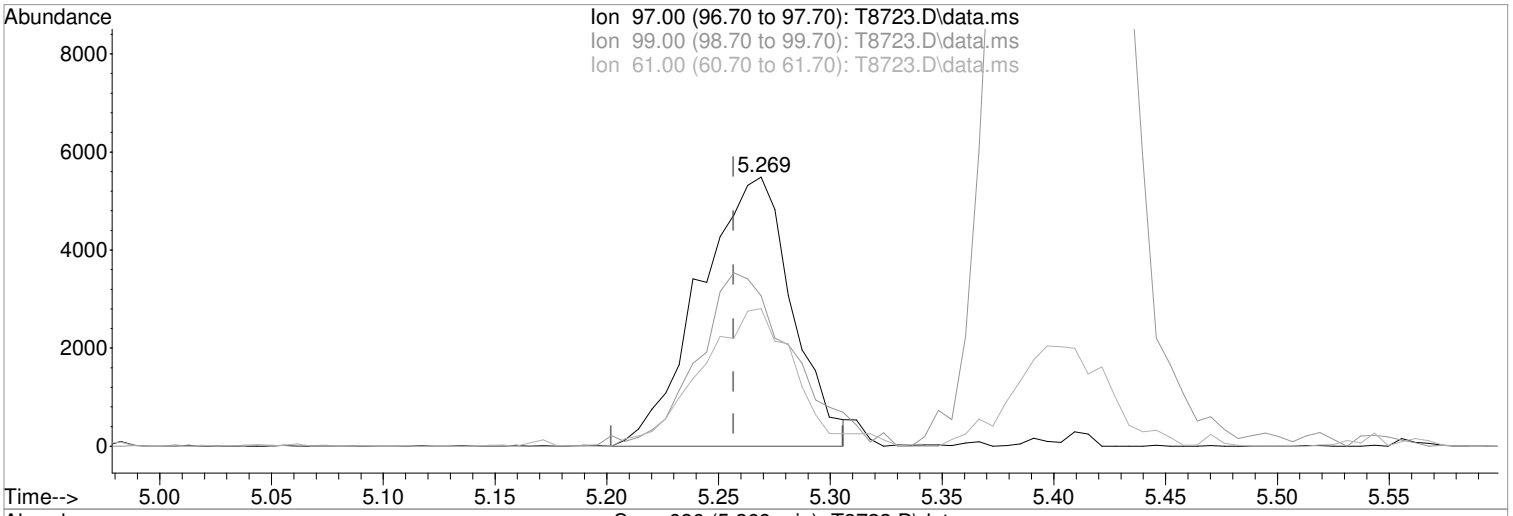
Poor integration.

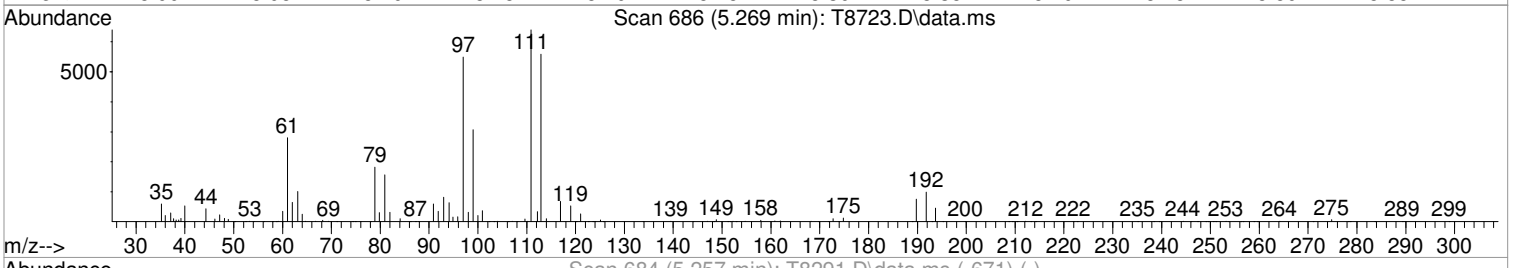
09/08/21

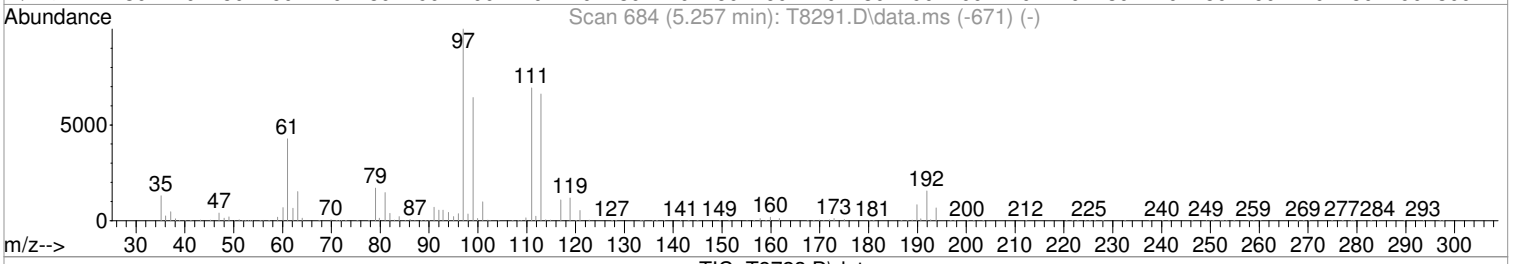
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

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

5.269min (+0.012) 4.97 ug/L

response 15756

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	55.96
61.00	42.80	51.13
0.00	0.00	0.00

Manual Integration:

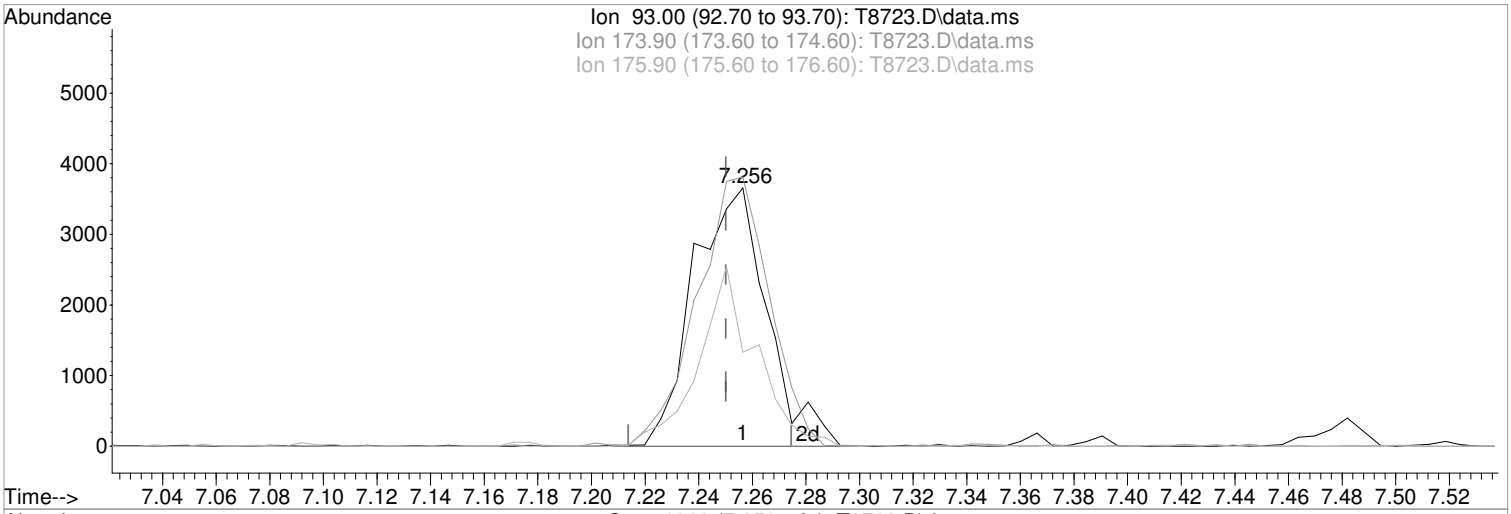
Before

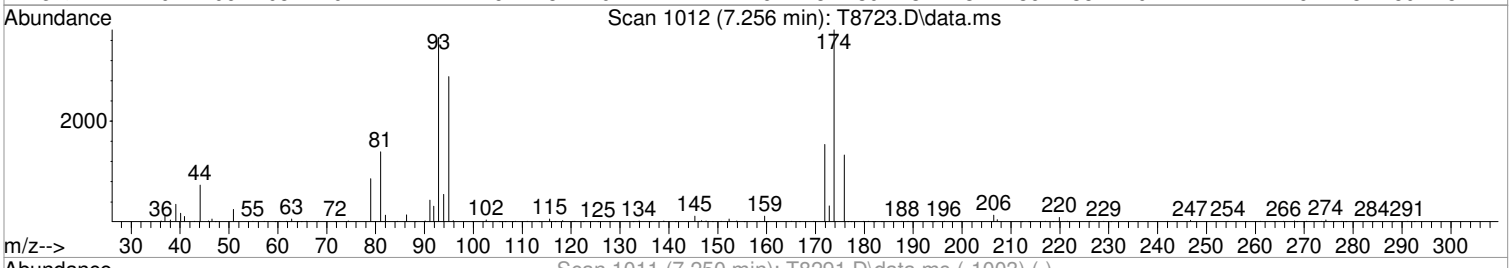
09/08/21

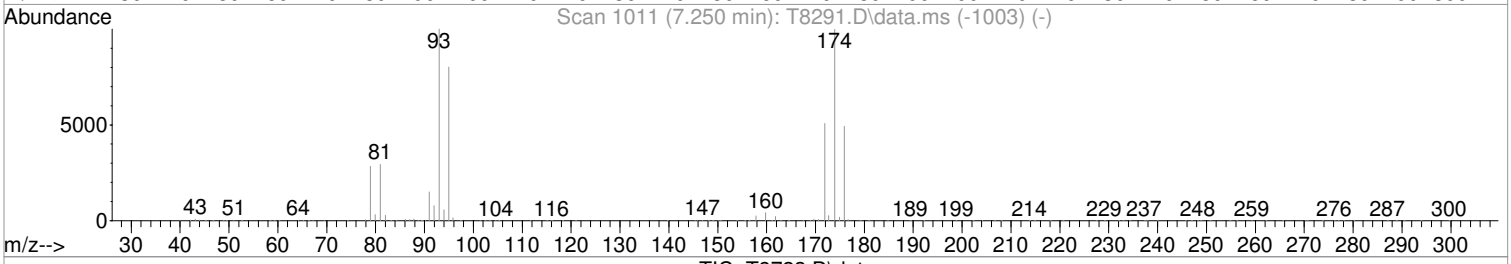
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(56) Dibromomethane

7.256min (+0.006) 3.96 ug/L m

response 6996

Ion	Exp%	Act%
93.00	100	100
173.90	99.70	104.21
175.90	49.30	36.39
0.00	0.00	0.00

Manual Integration:

After

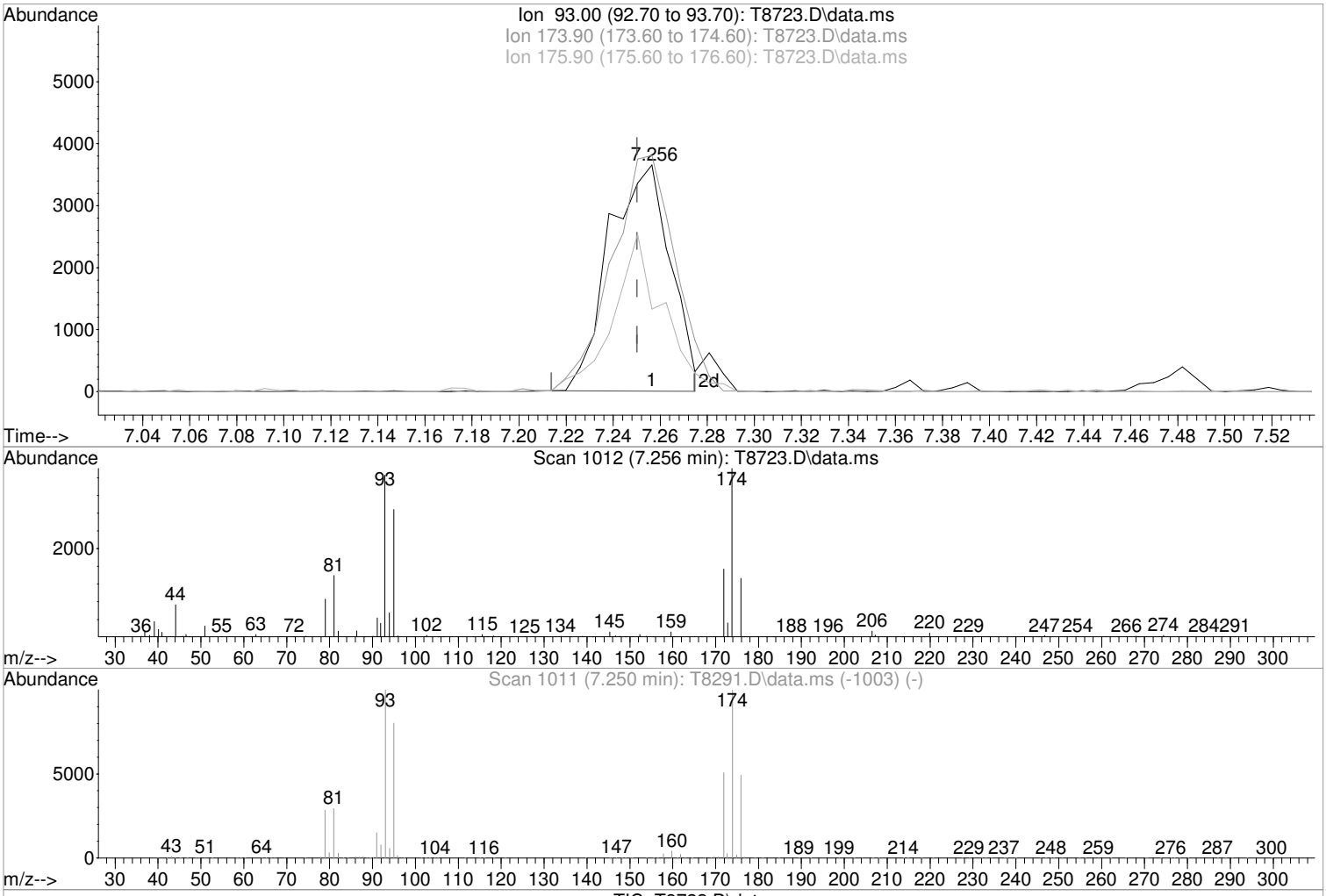
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8723.D\data.ms

(56) Dibromomethane

7.256min (+0.006) 3.75 ug/L

response 6620

Ion	Exp%	Act%
93.00	100	100
173.90	99.70	104.21
175.90	49.30	36.66
0.00	0.00	0.00

Manual Integration:

Before

09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:26:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	237400	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	374568	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	340173	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	166871	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	21491	9.38	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 18.76%#				
46) surr1,1,2-dichloroetha...	5.793	65	30808	10.89	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.78%#				
64) SURR3,Toluene-d8	8.317	98	91496	10.33	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.66%#				
69) SURR2,BFB	10.884	95	29916	8.73	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 17.46%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	12727	5.06	ug/L		93
3) Chloromethane	1.288	50	14595	4.50	ug/L		94
4) Vinyl Chloride	1.361	62	16721	5.28	ug/L		90
5) Bromomethane	1.593	94	18971	4.94	ug/L		99
6) Chloroethane	1.666	64	10250	4.63	ug/L		93
7) Freon 21	1.818	67	30698	7.01	ug/L		95
8) Trichlorofluoromethane	1.867	101	22466	6.62	ug/L		95
9) Diethyl Ether	2.099	59	9744	4.36	ug/L		94
10) Freon 123a	2.105	67	14492	5.28	ug/L		97
11) Freon 123	2.160	83	15993	5.36	ug/L		90
12) Acrolein	2.203	56	12985	17.20	ug/L		82
13) 1,1-Diclethene	2.288	96	10601	5.33	ug/L	#	86
14) Freon 113	2.300	101	10397	5.12	ug/L		82
15) Acetone	2.331	43	6811m	4.71	ug/L		
16) 2-Propanol	2.465	45	22235	65.57	ug/L		77
17) Iodomethane	2.422	142	11009	3.42	ug/L		100
18) Carbon Disulfide	2.483	76	22359	3.72	ug/L		98
19) Acetonitrile	2.587	41	10332	18.32	ug/L		88
20) Allyl Chloride	2.623	76	5906	4.43	ug/L	#	94
21) Methyl Acetate	2.648	43	12815	4.15	ug/L		86
22) Methylene Chloride	2.745	84	12389	4.83	ug/L	#	84
23) TBA	2.873	59	33385	60.57	ug/L		99
24) Acrylonitrile	2.995	53	26607	18.36	ug/L		93
25) Methyl-t-Butyl Ether	3.044	73	36252	4.36	ug/L		87
26) trans-1,2-Dichloroethene	3.038	96	10430	4.71	ug/L		95
27) 1,1-Diclethane	3.538	63	22002	5.37	ug/L		95
28) Vinyl Acetate	3.635	86	2216	3.91	ug/L	#	67
29) DIPE	3.672	45	37384	4.74	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.660	53	14648	4.53	ug/L		75
31) ETBE	4.190	59	33637	4.70	ug/L		86
32) 2,2-Dichloropropane	4.367	77	16476	4.97	ug/L		92
33) cis-1,2-Dichloroethene	4.385	96	12902	5.20	ug/L		93
34) 2-Butanone	4.428	43	8200	3.92	ug/L		100
35) Propionitrile	4.519	54	11828	19.26	ug/L		94
36) Bromochloromethane	4.781	130	7796m	4.82	ug/L		
37) Methacrylonitrile	4.781	67	5887	4.12	ug/L	#	77
38) Tetrahydrofuran	4.879	42	4805	3.60	ug/L		98
39) Chloroform	4.970	83	21251	4.82	ug/L		92
40) 1,1,1-Trichloroethane	5.269	97	16030m	5.05	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:26:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	11234	4.47	ug/L		97
44) Carbontetrachloride	5.543	117	13796	5.04	ug/L	#	77
45) 1,1-Dichloropropene	5.556	75	14256	4.75	ug/L		93
47) Benzene	5.879	78	44554	4.71	ug/L		96
48) 1,2-Dichloroethane	5.909	62	16456	4.66	ug/L		93
49) Iso-Butyl Alcohol	5.891	43	12551	50.83	ug/L		90
50) TAME	6.116	73	32329	4.18	ug/L		92
51) n-Heptane	6.360	43	13556	4.62	ug/L		93
52) 1-Butanol	6.860	56	17757	117.75	ug/L		84
53) Trichloroethene	6.824	130	11989	4.74	ug/L		96
54) Methylcyclohexane	7.061	55	14158	5.04	ug/L		90
55) 1,2-Diclpropane	7.104	63	12535	4.67	ug/L		97
56) Dibromomethane	7.256	93	6996m	3.96	ug/L		
57) 1,4-Dioxane	7.311	88	4304	70.05	ug/L		80
58) Methyl Methacrylate	7.336	69	9037	3.80	ug/L		96
59) Bromodichloromethane	7.476	83	13352	4.02	ug/L		98
60) 2-Nitropropane	7.756	41	6003	5.77	ug/L		98
61) 2-Chloroethylvinyl Ether	7.884	63	7906	4.78	ug/L		92
62) cis-1,3-Dichloropropene	8.018	75	15811	4.05	ug/L		97
63) 4-Methyl-2-pentanone	8.226	43	13947	3.63	ug/L		86
65) Toluene	8.390	91	48237	4.84	ug/L		94
66) trans-1,3-Dichloropropene	8.665	75	13499	3.64	ug/L		78
67) Ethyl Methacrylate	8.805	69	15806	3.85	ug/L		93
68) 1,1,2-Trichloroethane	8.854	97	11163	4.70	ug/L	#	87
71) Tetrachloroethene	8.988	164	8840	4.92	ug/L		94
72) 2-Hexanone	9.146	43	8870	3.07	ug/L		96
73) 1,3-Dichloropropane	9.018	76	18734	4.68	ug/L		88
74) Dibromochloromethane	9.250	129	9789	4.27	ug/L	#	80
75) N-Butyl Acetate	9.299	43	21193	3.83	ug/L		95
76) 1,2-Dibromoethane	9.341	107	10846	4.31	ug/L		93
77) 3-Chlorobenzotrifluoride	9.853	180	15059	4.64	ug/L		93
78) Chlorobenzene	9.835	112	28129	4.46	ug/L		89
79) 4-Chlorobenzotrifluoride	9.914	180	12934	4.42	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.921	131	9670	4.39	ug/L		92
81) Ethylbenzene	9.951	106	16925	5.19	ug/L	#	85
82) (m+p)Xylene	10.067	106	37727	9.15	ug/L		95
83) o-Xylene	10.427	106	18437	4.52	ug/L		97
84) Styrene	10.439	104	32092	4.52	ug/L		92
85) Bromoform	10.591	173	5980	3.27	ug/L		81
86) 2-Chlorobenzotrifluoride	10.677	180	14775	4.50	ug/L		90
87) Isopropylbenzene	10.762	105	43634	4.55	ug/L		99
88) Cyclohexanone	10.823	55	39176	61.47	ug/L		89
89) trans-1,4-Dichloro-2-B...	11.067	53	3183	3.43	ug/L	#	74
91) 1,1,2,2-Tetrachloroethane	11.018	83	13296	4.25	ug/L		90
92) Bromobenzene	11.012	156	11942	4.62	ug/L		97
93) 1,2,3-Trichloropropane	11.048	110	3921	3.73	ug/L	#	71
94) n-Propylbenzene	11.115	91	57579	5.49	ug/L		96
95) 2-Chlorotoluene	11.182	91	33259	4.97	ug/L		92
96) 3-Chlorotoluene	11.231	91	32604	5.11	ug/L		100
97) 4-Chlorotoluene	11.274	91	38128	5.28	ug/L		84
98) 1,3,5-Trimethylbenzene	11.268	105	39722	5.24	ug/L		97
99) tert-Butylbenzene	11.542	119	33076	5.15	ug/L		97
100) 1,2,4-Trimethylbenzene	11.579	105	39744	5.30	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	10351	4.53	ug/L		94
102) sec-Butylbenzene	11.725	105	48626	5.34	ug/L		99
103) p-Isopropyltoluene	11.847	119	39182	4.94	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:26:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

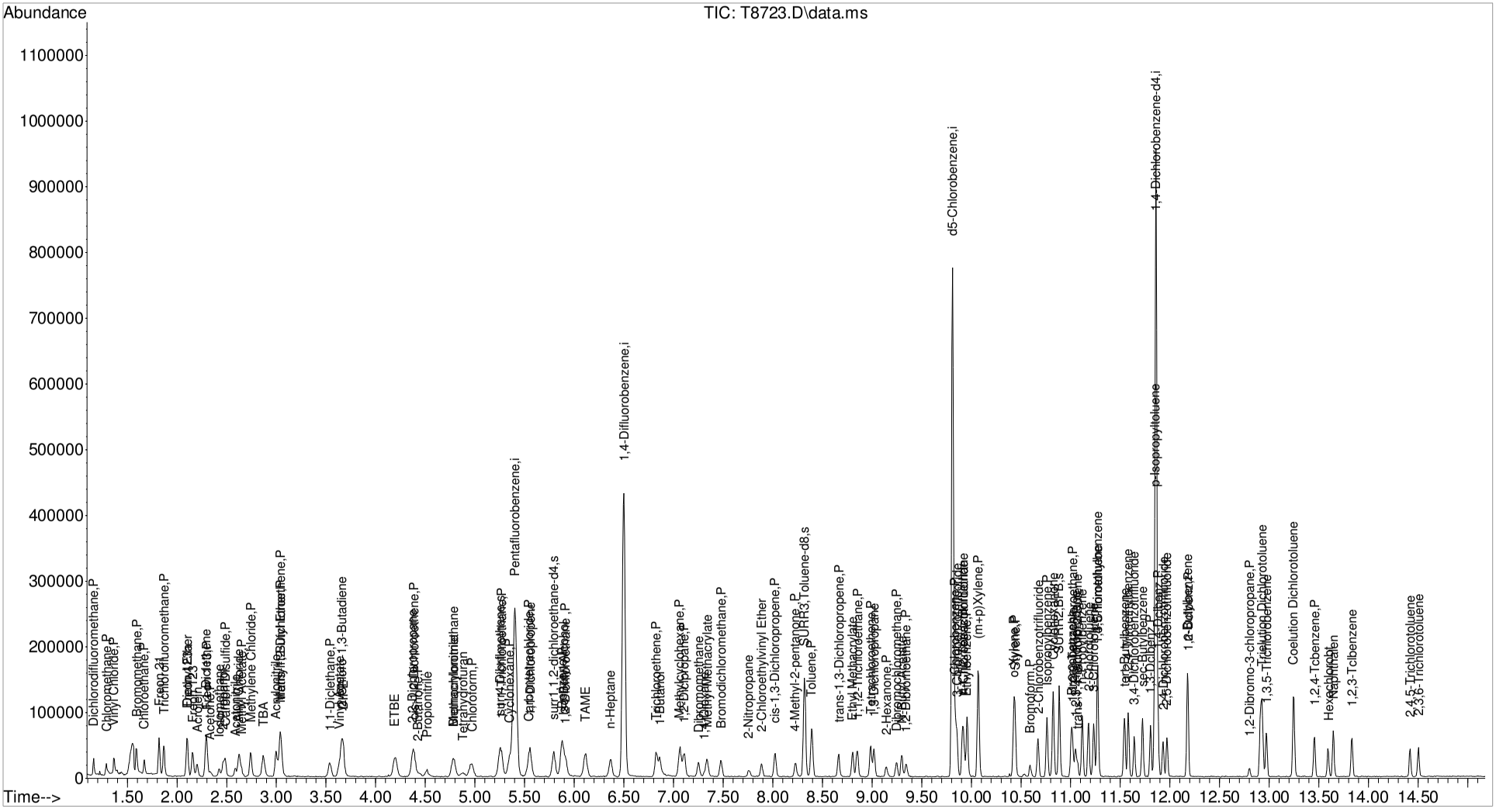
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	22929	4.98	ug/L		91
105) 1,4-Dclbenz	11.877	146	25442	5.19	ug/L		97
106) 2,4-Dichlorobenzotrifl...	11.932	214	9800	4.63	ug/L		96
107) 2,5-Dichlorobenzotrifl...	11.969	214	10958	4.58	ug/L		98
108) n-Butylbenzene	12.176	91	39136	5.25	ug/L		89
109) 1,2-Dclbenz	12.182	146	23332	4.98	ug/L		92
110) 1,2-Dibromo-3-chloropr...	12.804	157	2225	3.06	ug/L	#	78
111) Trielution Dichlorotol...	12.926	125	53208	14.90	ug/L		98
112) 1,3,5-Trichlorobenzene	12.975	180	16317	4.94	ug/L		87
113) Coelution Dichlorotoluene	13.243	125	38421	9.66	ug/L		98
114) 1,2,4-Tcbenzene	13.456	180	13106	4.38	ug/L		92
115) Hexachlorobt	13.597	225	4662	3.81	ug/L		99
116) Naphthalen	13.645	128	40470	4.42	ug/L		93
117) 1,2,3-Tclbenzene	13.834	180	13486	4.50	ug/L		95
118) 2,4,5-Trichlorotoluene	14.420	159	8133m	4.28	ug/L		
119) 2,3,6-Trichlorotoluene	14.505	159	7786	4.62	ug/L		96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:26:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8724.D
Acq On : 2 Sep 2021 12:34 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 09:05:30 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	248135	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	388119	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	344324	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	180284	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	38712	16.31	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 32.62%#				
46) surr1,1,2-dichloroetha...	5.793	65	50156	17.11	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 34.22%#				
64) SURR3,Toluene-d8	8.317	98	152955	16.67	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 33.34%#				
69) SURR2,BFB	10.884	95	51953	14.63	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 29.26%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	57930	22.02	ug/L		96
3) Chloromethane	1.288	50	64630	19.05	ug/L		92
4) Vinyl Chloride	1.361	62	67672	20.43	ug/L		97
5) Bromomethane	1.593	94	74294	18.52	ug/L		99
6) Chloroethane	1.672	64	43993	19.03	ug/L		94
7) Freon 21	1.818	67	103606	22.62	ug/L		98
8) Trichlorofluoromethane	1.867	101	71330	20.10	ug/L		97
9) Diethyl Ether	2.099	59	42946	18.40	ug/L		94
10) Freon 123a	2.105	67	48929	17.04	ug/L		89
11) Freon 123	2.154	83	57220	18.34	ug/L		96
12) Acrolein	2.196	56	49182	62.31	ug/L		99
13) 1,1-Diclethene	2.294	96	43065	20.72	ug/L		95
14) Freon 113	2.300	101	39006	18.38	ug/L		81
15) Acetone	2.331	43	23196	15.33	ug/L		82
16) 2-Propanol	2.465	45	90507	255.37	ug/L		98
17) Iodomethane	2.422	142	55683	16.53	ug/L		97
18) Carbon Disulfide	2.483	76	94603	15.08	ug/L		100
19) Acetonitrile	2.581	41	41764	70.84	ug/L		93
20) Allyl Chloride	2.623	76	25206	18.09	ug/L	#	84
21) Methyl Acetate	2.648	43	50005	15.49	ug/L		98
22) Methylene Chloride	2.745	84	50672	18.91	ug/L	#	87
23) TBA	2.861	59	154128	267.51	ug/L		95
24) Acrylonitrile	2.995	53	122099	80.62	ug/L		99
25) Methyl-t-Butyl Ether	3.044	73	159906	18.38	ug/L		100
26) trans-1,2-Dichloroethene	3.038	96	45278	19.56	ug/L		97
27) 1,1-Diclethane	3.538	63	87540	20.44	ug/L		98
28) Vinyl Acetate	3.635	86	10641	17.95	ug/L	#	47
29) DIPE	3.666	45	146334	17.76	ug/L		94
30) 2-Chloro-1,3-Butadiene	3.660	53	64192	18.99	ug/L		93
31) ETBE	4.190	59	133488	17.86	ug/L		97
32) 2,2-Dichloropropane	4.373	77	64770	18.68	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	51804	19.99	ug/L		93
34) 2-Butanone	4.428	43	33083	15.15	ug/L		95
35) Propionitrile	4.507	54	48360	75.33	ug/L		91
36) Bromochloromethane	4.781	130	33055	19.55	ug/L		95
37) Methacrylonitrile	4.775	67	25574	17.12	ug/L		87
38) Tetrahydrofuran	4.867	42	20222	14.49	ug/L		96
39) Chloroform	4.964	83	89035	19.34	ug/L		99
40) 1,1,1-Trichloroethane	5.263	97	67419	20.33	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8724.D
Acq On : 2 Sep 2021 12:34 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 09:05:30 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	42276	16.24	ug/L		95
44) Carbontetrachloride	5.537	117	52399	18.48	ug/L	#	83
45) 1,1-Dichloropropene	5.556	75	60245	19.38	ug/L		97
47) Benzene	5.879	78	194608	19.86	ug/L		98
48) 1,2-Dichloroethane	5.909	62	71755	19.60	ug/L		94
49) Iso-Butyl Alcohol	5.885	43	67172	262.55	ug/L		91
50) TAME	6.110	73	132340	16.52	ug/L		95
51) n-Heptane	6.366	43	51751	17.04	ug/L		96
52) 1-Butanol	6.854	56	80277	513.77	ug/L		89
53) Trichloroethene	6.830	130	48104	18.37	ug/L		98
54) Methylcyclohexane	7.061	55	48831	16.77	ug/L		96
55) 1,2-Diclpropane	7.104	63	48944	17.60	ug/L		98
56) Dibromomethane	7.250	93	31800	17.38	ug/L		97
57) 1,4-Dioxane	7.311	88	17039	267.64	ug/L		84
58) Methyl Methacrylate	7.336	69	37380	15.17	ug/L		92
59) Bromodichloromethane	7.476	83	60010	17.45	ug/L		96
60) 2-Nitropropane	7.762	41	27600	25.60	ug/L		86
61) 2-Chloroethylvinyl Ether	7.884	63	30279	17.67	ug/L		92
62) cis-1,3-Dichloropropene	8.018	75	71477	17.67	ug/L		100
63) 4-Methyl-2-pentanone	8.226	43	61160	15.36	ug/L		92
65) Toluene	8.390	91	202386	19.60	ug/L		98
66) trans-1,3-Dichloropropene	8.665	75	65852	17.14	ug/L		94
67) Ethyl Methacrylate	8.805	69	68604	16.12	ug/L		97
68) 1,1,2-Trichloroethane	8.848	97	42704	17.35	ug/L		91
71) Tetrachloroethene	8.982	164	32350	17.79	ug/L		97
72) 2-Hexanone	9.140	43	42115	14.41	ug/L		94
73) 1,3-Dichloropropane	9.018	76	79724	19.66	ug/L		96
74) Dibromochloromethane	9.244	129	41555	17.92	ug/L		96
75) N-Butyl Acetate	9.299	43	89756	16.01	ug/L		97
76) 1,2-Dibromoethane	9.341	107	46845	18.40	ug/L		97
77) 3-Chlorobenzotrifluoride	9.860	180	52615	16.02	ug/L		97
78) Chlorobenzene	9.835	112	128308	20.11	ug/L		95
79) 4-Chlorobenzotrifluoride	9.908	180	48980	16.53	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.927	131	41026	18.42	ug/L		94
81) Ethylbenzene	9.957	106	65452	19.83	ug/L	#	82
82) (m+p)Xylene	10.067	106	164327	39.36	ug/L		98
83) o-Xylene	10.427	106	83716	20.29	ug/L		99
84) Styrene	10.439	104	141625	19.70	ug/L		95
85) Bromoform	10.591	173	25193	13.62	ug/L		90
86) 2-Chlorobenzotrifluoride	10.670	180	54633	16.43	ug/L		97
87) Isopropylbenzene	10.762	105	198386	20.42	ug/L		100
88) Cyclohexanone	10.823	55	185226	287.14	ug/L		94
89) trans-1,4-Dichloro-2-B...	11.067	53	14943	15.92	ug/L		82
91) 1,1,2,2-Tetrachloroethane	11.018	83	64503	19.10	ug/L		97
92) Bromobenzene	11.006	156	55325	19.82	ug/L		92
93) 1,2,3-Trichloropropane	11.048	110	20101	17.68	ug/L		91
94) n-Propylbenzene	11.115	91	241083	21.26	ug/L		98
95) 2-Chlorotoluene	11.182	91	145025	20.07	ug/L		96
96) 3-Chlorotoluene	11.231	91	133542	19.36	ug/L		99
97) 4-Chlorotoluene	11.274	91	167265	21.46	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	179573	21.94	ug/L		96
99) tert-Butylbenzene	11.542	119	144564	20.83	ug/L		96
100) 1,2,4-Trimethylbenzene	11.579	105	175293	21.64	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.640	214	41502	16.82	ug/L		91
102) sec-Butylbenzene	11.725	105	208664	21.20	ug/L		98
103) p-Isopropyltoluene	11.847	119	181009	21.13	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8724.D
Acq On : 2 Sep 2021 12:34 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 09:05:30 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

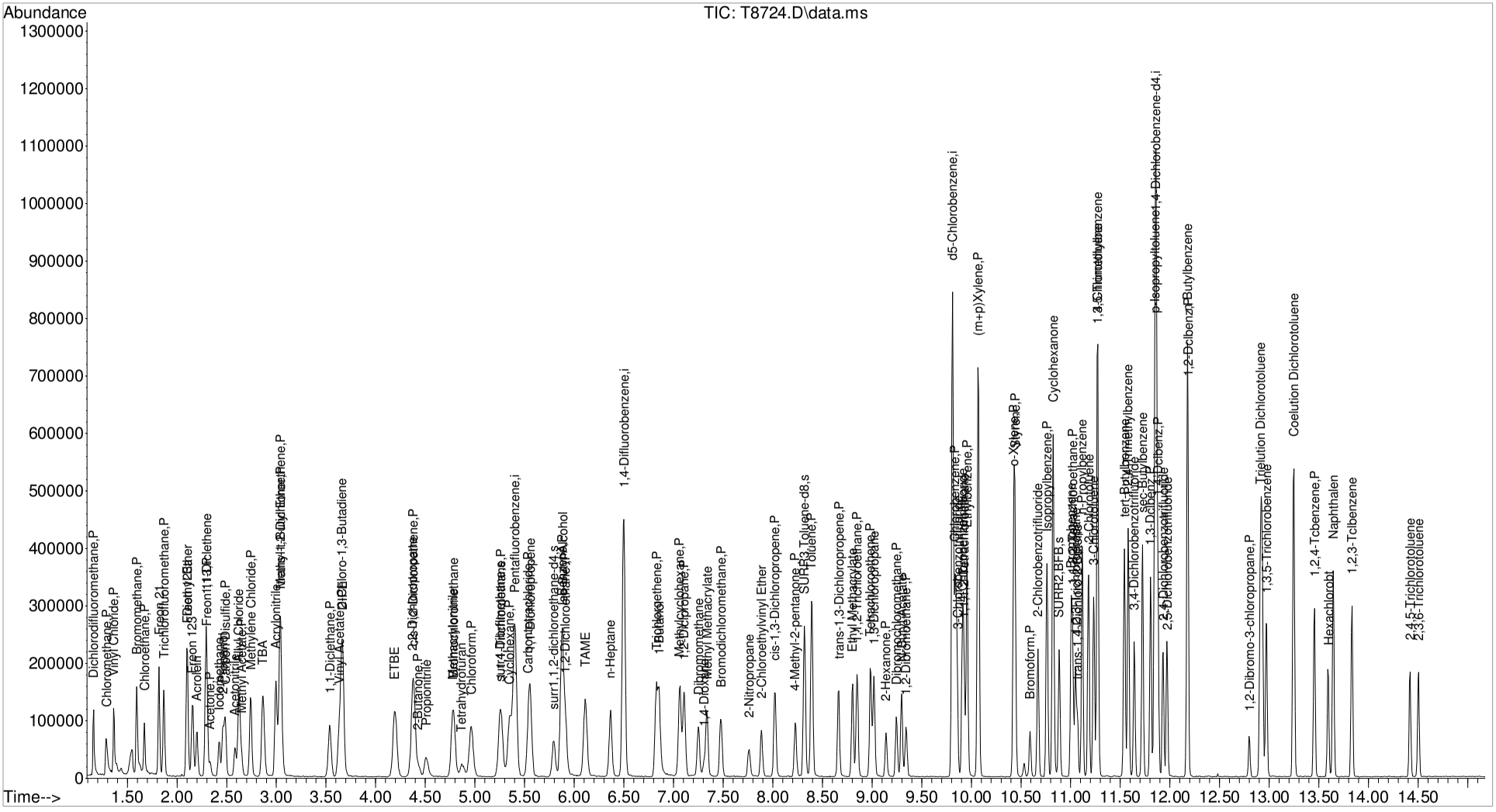
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	102717	20.67	ug/L	95
105) 1,4-Dclbenz	11.878	146	106780	20.17	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.932	214	38198	16.69	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.975	214	41963	16.22	ug/L	94
108) n-Butylbenzene	12.176	91	171455	21.28	ug/L	97
109) 1,2-Dclbenz	12.182	146	101523	20.05	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.804	157	11133	14.19	ug/L	84
111) Trielution Dichlorotol...	12.914	125	219101	56.81	ug/L	89
112) 1,3,5-Trichlorobenzene	12.975	180	62882	17.62	ug/L	95
113) Coelution Dichlorotoluene	13.249	125	162356	37.80	ug/L	97
114) 1,2,4-Tcbenzene	13.456	180	64702	20.01	ug/L	96
115) Hexachlorobt	13.597	225	21842	16.53	ug/L	91
116) Naphthalen	13.645	128	204964	20.72	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	63706	19.67	ug/L	92
118) 2,4,5-Trichlorotoluene	14.420	159	36333	17.70	ug/L	96
119) 2,3,6-Trichlorotoluene	14.505	159	31864	17.52	ug/L	92

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8724.D
Acq On : 2 Sep 2021 12:34 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 09:05:30 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8725.D
Acq On : 2 Sep 2021 12:56 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 09:05:43 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	258668	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	404145	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	378521	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	204106	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	115952	46.91	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.82%				
46) surr1,1,2-dichloroetha...	5.793	65	143469	46.99	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 93.98%				
64) SURR3,Toluene-d8	8.317	98	465197	48.69	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.38%				
69) SURR2,BFB	10.884	95	167208	45.21	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	124393	45.35	ug/L		98
3) Chloromethane	1.288	50	135477	38.31	ug/L		99
4) Vinyl Chloride	1.361	62	149555	43.32	ug/L		98
5) Bromomethane	1.587	94	156916	37.52	ug/L		99
6) Chloroethane	1.666	64	95489	39.61	ug/L		92
7) Freon 21	1.818	67	218021	45.67	ug/L		96
8) Trichlorofluoromethane	1.867	101	147358	39.83	ug/L		94
9) Diethyl Ether	2.099	59	106947	43.95	ug/L		93
10) Freon 123a	2.105	67	113602	37.96	ug/L		98
11) Freon 123	2.154	83	126443	38.88	ug/L		99
12) Acrolein	2.203	56	128692	156.42	ug/L		97
13) 1,1-Diclethene	2.294	96	88443	40.81	ug/L		95
14) Freon 113	2.300	101	82381	37.25	ug/L		86
15) Acetone	2.331	43	53158	33.70	ug/L		84
16) 2-Propanol	2.465	45	243632	659.43	ug/L		95
17) Iodomethane	2.422	142	133020	37.88	ug/L		98
18) Carbon Disulfide	2.483	76	208548	31.88	ug/L		100
19) Acetonitrile	2.587	41	123344	200.69	ug/L		94
20) Allyl Chloride	2.623	76	57373	39.50	ug/L	#	91
21) Methyl Acetate	2.648	43	132691	39.44	ug/L		95
22) Methylene Chloride	2.745	84	116418	41.68	ug/L		93
23) TBA	2.867	59	388204	646.36	ug/L		93
24) Acrylonitrile	2.995	53	306093	193.87	ug/L		95
25) Methyl-t-Butyl Ether	3.044	73	404477	44.60	ug/L		97
26) trans-1,2-Dichloroethene	3.038	96	103622	42.94	ug/L		98
27) 1,1-Diclethane	3.538	63	199666	44.73	ug/L		97
28) Vinyl Acetate	3.629	86	25153	40.70	ug/L		99
29) DIPE	3.666	45	384650	44.79	ug/L		94
30) 2-Chloro-1,3-Butadiene	3.666	53	140495	39.87	ug/L		99
31) ETBE	4.196	59	352042	45.17	ug/L		98
32) 2,2-Dichloropropane	4.379	77	143363	39.66	ug/L		98
33) cis-1,2-Dichloroethene	4.379	96	119485	44.24	ug/L		93
34) 2-Butanone	4.428	43	82630	36.29	ug/L		95
35) Propionitrile	4.513	54	123086	183.92	ug/L		98
36) Bromochloromethane	4.775	130	80347	45.57	ug/L	#	84
37) Methacrylonitrile	4.775	67	66137	42.47	ug/L	#	75
38) Tetrahydrofuran	4.873	42	48903	33.60	ug/L		93
39) Chloroform	4.964	83	205462	42.81	ug/L		96
40) 1,1,1-Trichloroethane	5.269	97	149954	43.38	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8725.D
Acq On : 2 Sep 2021 12:56 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 09:05:43 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.360	41	97680	36.04	ug/L	99
44) Carbontetrachloride	5.543	117	116657	39.51	ug/L	94
45) 1,1-Dichloropropene	5.562	75	127507	39.39	ug/L	96
47) Benzene	5.873	78	449074	44.01	ug/L	98
48) 1,2-Dichloroethane	5.915	62	180440	47.34	ug/L	98
49) Iso-Butyl Alcohol	5.885	43	168007	630.65	ug/L	87
50) TAME	6.110	73	348881	41.83	ug/L	97
51) n-Heptane	6.366	43	112364	35.53	ug/L	95
52) 1-Butanol	6.854	56	242166	1488.38	ug/L	100
53) Trichloroethene	6.824	130	107072	39.27	ug/L	97
54) Methylcyclohexane	7.061	55	111814	36.88	ug/L	93
55) 1,2-Diclpropane	7.110	63	121486	41.95	ug/L	98
56) Dibromomethane	7.250	93	79468	41.70	ug/L	97
57) 1,4-Dioxane	7.311	88	46049	694.64	ug/L	88
58) Methyl Methacrylate	7.336	69	108475	42.26	ug/L	97
59) Bromodichloromethane	7.476	83	156887	43.82	ug/L	97
60) 2-Nitropropane	7.762	41	79221	70.56	ug/L	95
61) 2-Chloroethylvinyl Ether	7.884	63	87650	49.13	ug/L	100
62) cis-1,3-Dichloropropene	8.018	75	183918	43.67	ug/L	96
63) 4-Methyl-2-pentanone	8.226	43	163411	39.41	ug/L	93
65) Toluene	8.390	91	467438	43.47	ug/L	99
66) trans-1,3-Dichloropropene	8.659	75	176575	44.15	ug/L	97
67) Ethyl Methacrylate	8.805	69	187490	42.30	ug/L	94
68) 1,1,2-Trichloroethane	8.848	97	117803	45.97	ug/L	91
71) Tetrachloroethene	8.988	164	72217	36.12	ug/L	96
72) 2-Hexanone	9.140	43	122076	37.99	ug/L	94
73) 1,3-Dichloropropane	9.018	76	203888	45.73	ug/L	97
74) Dibromochloromethane	9.250	129	113277	44.43	ug/L	90
75) N-Butyl Acetate	9.299	43	248722	40.37	ug/L	96
76) 1,2-Dibromoethane	9.341	107	125199	44.74	ug/L	96
77) 3-Chlorobenzotrifluoride	9.853	180	141989	39.33	ug/L	97
78) Chlorobenzene	9.835	112	302071	43.07	ug/L	95
79) 4-Chlorobenzotrifluoride	9.908	180	123674	37.96	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.927	131	107735	44.00	ug/L	95
81) Ethylbenzene	9.957	106	157810	43.49	ug/L	95
82) (m+p)Xylene	10.067	106	389799	84.93	ug/L	99
83) o-Xylene	10.427	106	194824	42.95	ug/L	90
84) Styrene	10.439	104	355315	44.95	ug/L	97
85) Bromoform	10.591	173	78753	38.72	ug/L	91
86) 2-Chlorobenzotrifluoride	10.670	180	143459	39.25	ug/L	99
87) Isopropylbenzene	10.762	105	439997	41.20	ug/L	98
88) Cyclohexanone	10.823	55	503178	709.56	ug/L	95
89) trans-1,4-Dichloro-2-B...	11.067	53	41963	40.67	ug/L	89
91) 1,1,2,2-Tetrachloroethane	11.018	83	178695	46.73	ug/L	94
92) Bromobenzene	11.006	156	137237	43.42	ug/L	94
93) 1,2,3-Trichloropropane	11.048	110	55134	42.82	ug/L	93
94) n-Propylbenzene	11.115	91	578889	45.10	ug/L	99
95) 2-Chlorotoluene	11.182	91	364419	44.55	ug/L	98
96) 3-Chlorotoluene	11.231	91	377872	48.38	ug/L	96
97) 4-Chlorotoluene	11.274	91	414030	46.91	ug/L	99
98) 1,3,5-Trimethylbenzene	11.268	105	437652	47.24	ug/L	96
99) tert-Butylbenzene	11.542	119	335965	42.75	ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	439778	47.96	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.640	214	108155	38.72	ug/L	95
102) sec-Butylbenzene	11.725	105	496774	44.58	ug/L	99
103) p-Isopropyltoluene	11.847	119	439682	45.33	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8725.D
Acq On : 2 Sep 2021 12:56 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 09:05:43 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

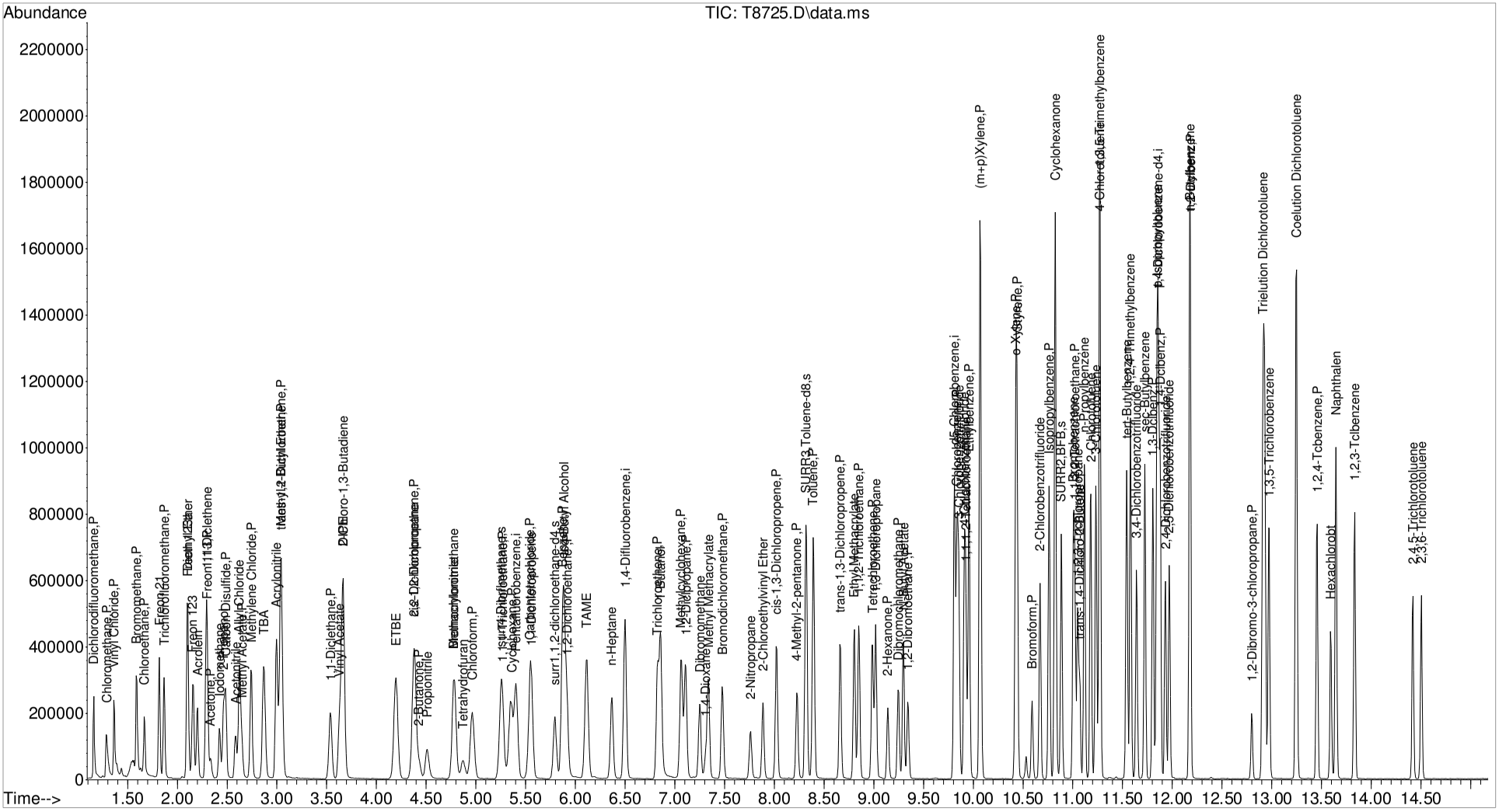
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	260235	46.25	ug/L	97
105) 1,4-Dclbenz	11.877	146	273602	45.66	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.932	214	102402	39.52	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.969	214	118762	40.55	ug/L	98
108) n-Butylbenzene	12.176	91	421155	46.16	ug/L	97
109) 1,2-Dclbenz	12.182	146	275506	48.05	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.798	157	35739	40.25	ug/L	92
111) Trielution Dichlorotol...	12.914	125	632501	144.85	ug/L	95
112) 1,3,5-Trichlorobenzene	12.975	180	172431	42.68	ug/L	97
113) Coelution Dichlorotoluene	13.249	125	469933	96.63	ug/L	98
114) 1,2,4-Tcbenzene	13.456	180	171845	46.95	ug/L	99
115) Hexachlorobt	13.591	225	54236	36.26	ug/L	97
116) Naphthalen	13.645	128	573960	51.26	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	167615	45.72	ug/L	96
118) 2,4,5-Trichlorotoluene	14.420	159	107180	46.11	ug/L	95
119) 2,3,6-Trichlorotoluene	14.505	159	96331	46.78	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8725.D
Acq On : 2 Sep 2021 12:56 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 09:05:43 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st FJ 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8726.D
Acq On : 2 Sep 2021 1:18 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 09:05:58 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.409	168	280294	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	443818	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	424101	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	249459	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	254167	93.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 187.26%#			
46) surr1,1,2-dichloroetha...	5.793	65	321448	95.87	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 191.74%#			
64) SURR3,Toluene-d8	8.317	98	1031750	98.34	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 196.68%#			
69) SURR2,BFB	10.884	95	415226	102.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 204.46%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	286264	96.31	ug/L	99
3) Chloromethane	1.282	50	292868	76.43	ug/L	97
4) Vinyl Chloride	1.361	62	332704	88.94	ug/L	98
5) Bromomethane	1.581	94	420175	92.71	ug/L	97
6) Chloroethane	1.660	64	215158	82.37	ug/L	91
7) Freon 21	1.812	67	554096	107.11	ug/L	98
8) Trichlorofluoromethane	1.861	101	338433	84.43	ug/L	96
9) Diethyl Ether	2.099	59	229700	87.11	ug/L	95
10) Freon 123a	2.099	67	280261	86.43	ug/L	96
11) Freon 123	2.154	83	315271	89.46	ug/L	97
12) Acrolein	2.196	56	288759	323.89	ug/L	98
13) 1,1-Diclethene	2.288	96	207676	88.44	ug/L	97
14) Freon 113	2.294	101	191428	79.87	ug/L	87
15) Acetone	2.336	43	121926	71.34	ug/L	89
16) 2-Propanol	2.471	45	568015	1418.80	ug/L	98
17) Iodomethane	2.422	142	324310	85.22	ug/L	93
18) Carbon Disulfide	2.483	76	540832	76.30	ug/L	100
19) Acetonitrile	2.586	41	240425	361.02	ug/L	98
20) Allyl Chloride	2.623	76	133269	84.67	ug/L #	86
21) Methyl Acetate	2.647	43	295656	81.09	ug/L	98
22) Methylene Chloride	2.739	84	263175	86.95	ug/L	96
23) TBA	2.873	59	911971	1401.27	ug/L	94
24) Acrylonitrile	2.995	53	691687	404.30	ug/L	94
25) Methyl-t-Butyl Ether	3.044	73	911576	92.77	ug/L	99
26) trans-1,2-Dichloroethene	3.038	96	240174	91.85	ug/L	98
27) 1,1-Diclethane	3.537	63	450019	93.03	ug/L	98
28) Vinyl Acetate	3.629	86	52907	79.00	ug/L #	85
29) DIPE	3.666	45	807944	86.83	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.659	53	356636	93.40	ug/L	99
31) ETBE	4.196	59	774311	91.69	ug/L	98
32) 2,2-Dichloropropane	4.373	77	341091	87.07	ug/L	98
33) cis-1,2-Dichloroethene	4.385	96	275539	94.14	ug/L	84
34) 2-Butanone	4.428	43	184343	74.72	ug/L	94
35) Propionitrile	4.513	54	280836	387.25	ug/L	99
36) Bromochloromethane	4.781	130	179601	94.01	ug/L	90
37) Methacrylonitrile	4.781	67	147640	87.50	ug/L	94
38) Tetrahydrofuran	4.873	42	117260	74.36	ug/L	99
39) Chloroform	4.958	83	460402	88.52	ug/L	97
40) 1,1,1-Trichloroethane	5.263	97	352645	94.13	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8726.D
Acq On : 2 Sep 2021 1:18 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 09:05:58 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.354	41	248263	83.42	ug/L		94
44) Carbontetrachloride	5.537	117	284935	87.87	ug/L		88
45) 1,1-Dichloropropene	5.555	75	299771	84.33	ug/L		96
47) Benzene	5.872	78	1015085	90.58	ug/L		97
48) 1,2-Dichloroethane	5.915	62	401925	96.03	ug/L		98
49) Iso-Butyl Alcohol	5.897	43	393100	1343.67	ug/L		88
50) TAME	6.116	73	776063	84.73	ug/L		96
51) n-Heptane	6.366	43	268774	77.38	ug/L		92
52) 1-Butanol	6.866	56	591063	3308.02	ug/L		99
53) Trichloroethene	6.823	130	242403	80.96	ug/L		98
54) Methylcyclohexane	7.061	55	299034	89.80	ug/L		98
55) 1,2-Diclpropane	7.104	63	271134	85.25	ug/L		98
56) Dibromomethane	7.250	93	186535	89.14	ug/L		93
57) 1,4-Dioxane	7.311	88	107317	1474.14	ug/L		96
58) Methyl Methacrylate	7.336	69	238944	84.77	ug/L		97
59) Bromodichloromethane	7.476	83	363997	92.57	ug/L		97
60) 2-Nitropropane	7.762	41	193117	156.64	ug/L		98
61) 2-Chloroethylvinyl Ether	7.884	63	203227	103.72	ug/L		100
62) cis-1,3-Dichloropropene	8.024	75	436047	94.28	ug/L		99
63) 4-Methyl-2-pentanone	8.226	43	375626	82.49	ug/L		95
65) Toluene	8.390	91	1102439	93.36	ug/L		98
66) trans-1,3-Dichloropropene	8.665	75	419031	95.40	ug/L		97
67) Ethyl Methacrylate	8.805	69	439052	90.20	ug/L		95
68) 1,1,2-Trichloroethane	8.847	97	261184	92.81	ug/L		98
71) Tetrachloroethene	8.988	164	171812	76.69	ug/L		91
72) 2-Hexanone	9.140	43	290167	80.59	ug/L		95
73) 1,3-Dichloropropane	9.018	76	451669	90.42	ug/L		96
74) Dibromochloromethane	9.250	129	277656	97.21	ug/L		88
75) N-Butyl Acetate	9.299	43	600414	86.97	ug/L		97
76) 1,2-Dibromoethane	9.341	107	285203	90.97	ug/L		100
77) 3-Chlorobenzotrifluoride	9.859	180	308711	76.32	ug/L		96
78) Chlorobenzene	9.835	112	696153	88.59	ug/L		98
79) 4-Chlorobenzotrifluoride	9.908	180	278507	76.29	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.926	131	247872	90.35	ug/L		95
81) Ethylbenzene	9.957	106	364656	89.70	ug/L		93
82) (m+p)Xylene	10.073	106	940867	182.96	ug/L		96
83) o-Xylene	10.426	106	478123	94.08	ug/L		95
84) Styrene	10.439	104	852755	96.28	ug/L		98
85) Bromoform	10.591	173	198677	87.18	ug/L		95
86) 2-Chlorobenzotrifluoride	10.670	180	317544	77.55	ug/L		93
87) Isopropylbenzene	10.762	105	1090405	91.13	ug/L		98
88) Cyclohexanone	10.823	55	1175592	1479.60	ug/L		93
89) trans-1,4-Dichloro-2-B...	11.073	53	109089	94.37	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.024	83	436113	93.32	ug/L		98
92) Bromobenzene	11.006	156	333979	86.46	ug/L		93
93) 1,2,3-Trichloropropane	11.048	110	129240	82.13	ug/L	#	85
94) n-Propylbenzene	11.115	91	1428406	91.05	ug/L		99
95) 2-Chlorotoluene	11.182	91	888437	88.86	ug/L		98
96) 3-Chlorotoluene	11.231	91	882224	92.42	ug/L		97
97) 4-Chlorotoluene	11.274	91	1045302	96.91	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	1097926	96.96	ug/L		96
99) tert-Butylbenzene	11.542	119	834806	86.91	ug/L		99
100) 1,2,4-Trimethylbenzene	11.579	105	1074339	95.86	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.640	214	258177	75.63	ug/L		96
102) sec-Butylbenzene	11.725	105	1263162	92.75	ug/L		99
103) p-Isopropyltoluene	11.847	119	1103242	93.07	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8726.D
Acq On : 2 Sep 2021 1:18 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 09:05:58 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

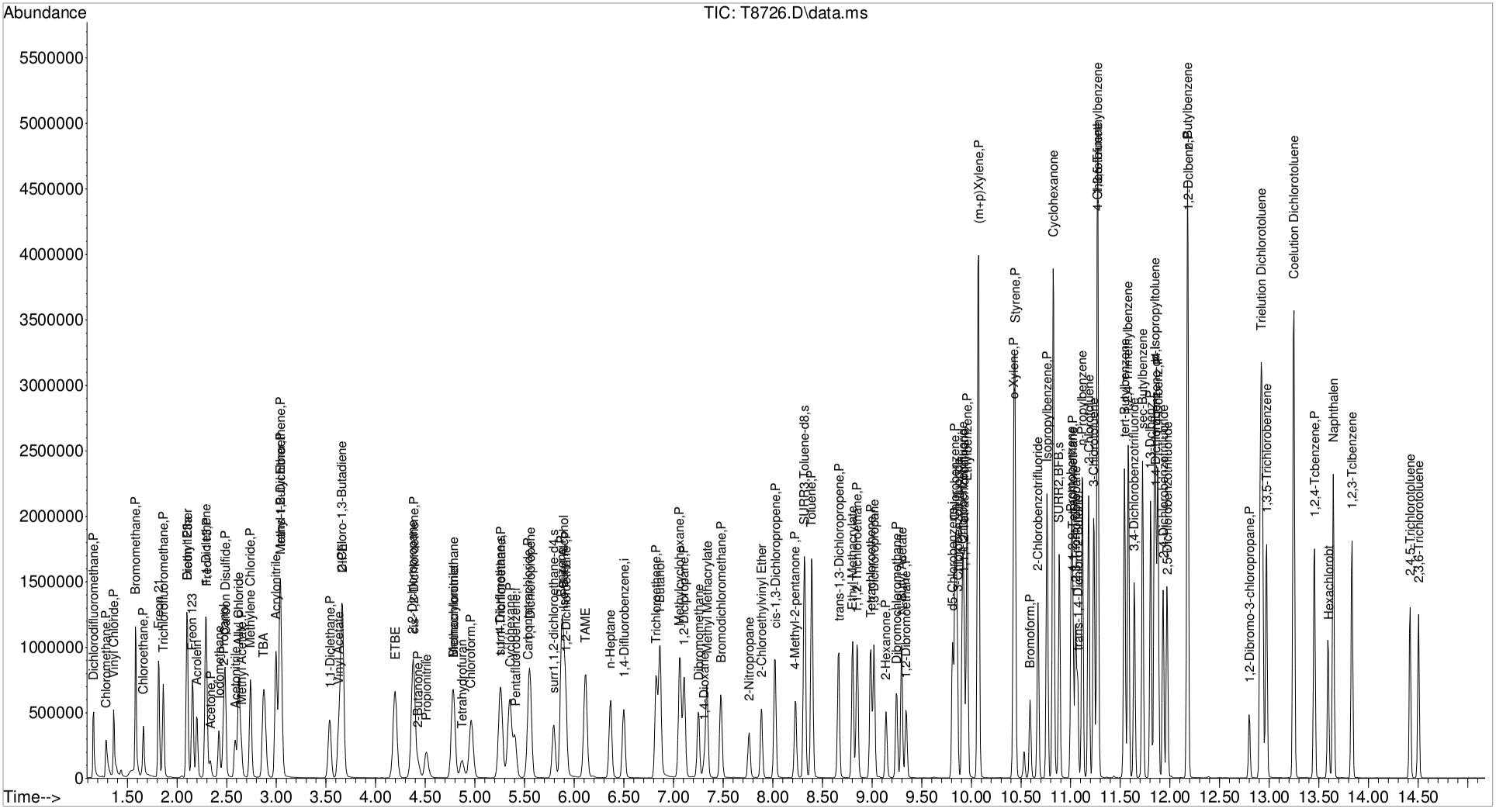
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	623163	90.62	ug/L		98
105) 1,4-Dclbenz	11.877	146	659829	90.10	ug/L		100
106) 2,4-Dichlorobenzotrifl...	11.932	214	239407	75.60	ug/L		95
107) 2,5-Dichlorobenzotrifl...	11.975	214	269787	75.37	ug/L		98
108) n-Butylbenzene	12.176	91	1047538	93.95	ug/L		98
109) 1,2-Dclbenz	12.182	146	630680	89.99	ug/L		98
110) 1,2-Dibromo-3-chloropr...	12.798	157	86942	80.10	ug/L	#	83
111) Trielution Dichlorotol...	12.920	125	1462134	273.97	ug/L		97
112) 1,3,5-Trichlorobenzene	12.975	180	397340	80.47	ug/L		95
113) Coelution Dichlorotoluene	13.249	125	1088701	183.16	ug/L		98
114) 1,2,4-Tcbenzene	13.456	180	384717	86.00	ug/L		95
115) Hexachlorobt	13.596	225	133560	73.06	ug/L		95
116) Naphthalen	13.645	128	1291494	94.37	ug/L		98
117) 1,2,3-Tclbenzene	13.834	180	387637	86.51	ug/L		97
118) 2,4,5-Trichlorotoluene	14.419	159	251817	88.64	ug/L		95
119) 2,3,6-Trichlorotoluene	14.505	159	210853	83.78	ug/L		90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8726.D
Acq On : 2 Sep 2021 1:18 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 09:05:58 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8727.D
Acq On : 2 Sep 2021 1:39 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 09:06:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	286382	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	444083	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	444286	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	267269	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	508518	187.22	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 374.44%#				
46) surr1,1,2-dichloroetha...	5.793	65	637776	190.11	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 380.22%#				
64) SURR3,Toluene-d8	8.317	98	1989484	189.50	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 379.00%#				
69) SURR2,BFB	10.884	95	848618	208.81	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 417.62%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	473741	155.99	ug/L		99
3) Chloromethane	1.288	50	470969	120.29	ug/L		100
4) Vinyl Chloride	1.361	62	553619	144.84	ug/L		99
5) Bromomethane	1.581	94	617736	133.40	ug/L		99
6) Chloroethane	1.654	64	335647	125.77	ug/L		91
7) Freon 21	1.812	67	1027178	194.33	ug/L		97
8) Trichlorofluoromethane	1.855	101	600139	146.53	ug/L		95
9) Diethyl Ether	2.099	59	355959	132.12	ug/L		95
10) Freon 123a	2.099	67	496732	149.93	ug/L		98
11) Freon 123	2.154	83	553470	153.72	ug/L		98
12) Acrolein	2.202	56	459578	504.53	ug/L		96
13) 1,1-Diclethene	2.288	96	341541	142.35	ug/L		98
14) Freon 113	2.294	101	338152	138.09	ug/L		87
15) Acetone	2.337	43	191313	109.56	ug/L		93
16) 2-Propanol	2.501	45	951873	2327.07	ug/L		99
17) Iodomethane	2.422	142	517040	132.98	ug/L		96
18) Carbon Disulfide	2.483	76	899456	124.20	ug/L		97
19) Acetonitrile	2.587	41	349514	513.66	ug/L		94
20) Allyl Chloride	2.623	76	222380	138.28	ug/L	#	90
21) Methyl Acetate	2.647	43	471326	126.52	ug/L		97
22) Methylene Chloride	2.739	84	411888	133.20	ug/L		92
23) TBA	2.879	59	1492155	2244.00	ug/L		96
24) Acrylonitrile	3.001	53	1064342	608.90	ug/L		95
25) Methyl-t-Butyl Ether	3.044	73	1407897	140.24	ug/L		99
26) trans-1,2-Dichloroethene	3.032	96	396107	148.26	ug/L		95
27) 1,1-Diclethane	3.531	63	718286	145.33	ug/L		99
28) Vinyl Acetate	3.629	86	86277	126.09	ug/L	#	94
29) DIPE	3.666	45	1400019	147.25	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.659	53	586984	150.46	ug/L		98
31) ETBE	4.196	59	1314989	152.41	ug/L		96
32) 2,2-Dichloropropane	4.373	77	560907	140.14	ug/L		98
33) cis-1,2-Dichloroethene	4.385	96	431086	144.16	ug/L		87
34) 2-Butanone	4.428	43	298333	118.35	ug/L		96
35) Propionitrile	4.513	54	442157	596.74	ug/L		99
36) Bromochloromethane	4.781	130	278539	142.70	ug/L		91
37) Methacrylonitrile	4.781	67	227304	131.85	ug/L		95
38) Tetrahydrofuran	4.873	42	180887	112.27	ug/L		94
39) Chloroform	4.958	83	730918	137.55	ug/L		99
40) 1,1,1-Trichloroethane	5.263	97	583436	152.43	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8727.D
Acq On : 2 Sep 2021 1:39 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 09:06:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.348	41	424884	142.69	ug/L	94
44) Carbontetrachloride	5.543	117	476369	146.81	ug/L	89
45) 1,1-Dichloropropene	5.555	75	488875	137.44	ug/L	97
47) Benzene	5.872	78	1571617	140.16	ug/L	98
48) 1,2-Dichloroethane	5.915	62	611150	145.93	ug/L	98
49) Iso-Butyl Alcohol	5.909	43	625536	2136.89	ug/L	89
50) TAME	6.116	73	1288727	140.61	ug/L	96
51) n-Heptane	6.366	43	455051	130.94	ug/L	94
52) 1-Butanol	6.872	56	976365	5461.18	ug/L	98
53) Trichloroethene	6.824	130	395863	132.14	ug/L	99
54) Methylcyclohexane	7.061	55	510328	153.17	ug/L	95
55) 1,2-Diclpropane	7.104	63	424527	133.40	ug/L	99
56) Dibromomethane	7.250	93	289100	138.07	ug/L	95
57) 1,4-Dioxane	7.317	88	167161	2294.80	ug/L	91
58) Methyl Methacrylate	7.336	69	369724	131.10	ug/L	96
59) Bromodichloromethane	7.476	83	569660	144.79	ug/L	98
60) 2-Nitropropane	7.762	41	307091	248.94	ug/L	93
61) 2-Chloroethylvinyl Ether	7.884	63	315040	160.69	ug/L	100
62) cis-1,3-Dichloropropene	8.024	75	671685	145.14	ug/L	100
63) 4-Methyl-2-pentanone	8.232	43	606181	133.05	ug/L	94
65) Toluene	8.390	91	1772437	150.01	ug/L	98
66) trans-1,3-Dichloropropene	8.665	75	661881	150.60	ug/L	98
67) Ethyl Methacrylate	8.805	69	689086	141.49	ug/L	100
68) 1,1,2-Trichloroethane	8.848	97	402835	143.06	ug/L	96
71) Tetrachloroethene	8.988	164	295050	125.72	ug/L	95
72) 2-Hexanone	9.140	43	447774	118.72	ug/L	97
73) 1,3-Dichloropropane	9.018	76	690065	131.87	ug/L	98
74) Dibromochloromethane	9.244	129	432370	144.50	ug/L	91
75) N-Butyl Acetate	9.299	43	948146	131.10	ug/L	98
76) 1,2-Dibromoethane	9.341	107	438384	133.48	ug/L	98
77) 3-Chlorobenzotrifluoride	9.860	180	583924	137.80	ug/L	96
78) Chlorobenzene	9.835	112	1118915	135.92	ug/L	96
79) 4-Chlorobenzotrifluoride	9.908	180	530235	138.65	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.927	131	401936	139.85	ug/L	95
81) Ethylbenzene	9.957	106	599736	140.83	ug/L	92
82) (m+p)Xylene	10.073	106	1550822	287.88	ug/L	95
83) o-Xylene	10.426	106	777959	146.13	ug/L	95
84) Styrene	10.439	104	1399770	150.86	ug/L	97
85) Bromoform	10.591	173	321119	134.50	ug/L	100
86) 2-Chlorobenzotrifluoride	10.670	180	616224	143.65	ug/L	94
87) Isopropylbenzene	10.762	105	1848701	147.48	ug/L	99
88) Cyclohexanone	10.829	55	1869599	2246.18	ug/L	93
89) trans-1,4-Dichloro-2-B...	11.073	53	178626	147.50	ug/L	92
91) 1,1,2,2-Tetrachloroethane	11.024	83	697700	139.35	ug/L	97
92) Bromobenzene	11.006	156	540371	130.57	ug/L	93
93) 1,2,3-Trichloropropane	11.048	110	202791	120.29	ug/L	93
94) n-Propylbenzene	11.121	91	2398766	142.72	ug/L	97
95) 2-Chlorotoluene	11.182	91	1468006	137.04	ug/L	98
96) 3-Chlorotoluene	11.231	91	1615231	157.94	ug/L	98
97) 4-Chlorotoluene	11.274	91	1731478	149.82	ug/L	98
98) 1,3,5-Trimethylbenzene	11.268	105	1839834	151.66	ug/L	99
99) tert-Butylbenzene	11.542	119	1453716	141.26	ug/L	100
100) 1,2,4-Trimethylbenzene	11.585	105	1823145	151.83	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.646	214	477555	130.57	ug/L	97
102) sec-Butylbenzene	11.725	105	2157631	147.88	ug/L	97
103) p-Isopropyltoluene	11.847	119	1883677	148.31	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8727.D
Acq On : 2 Sep 2021 1:39 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 09:06:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

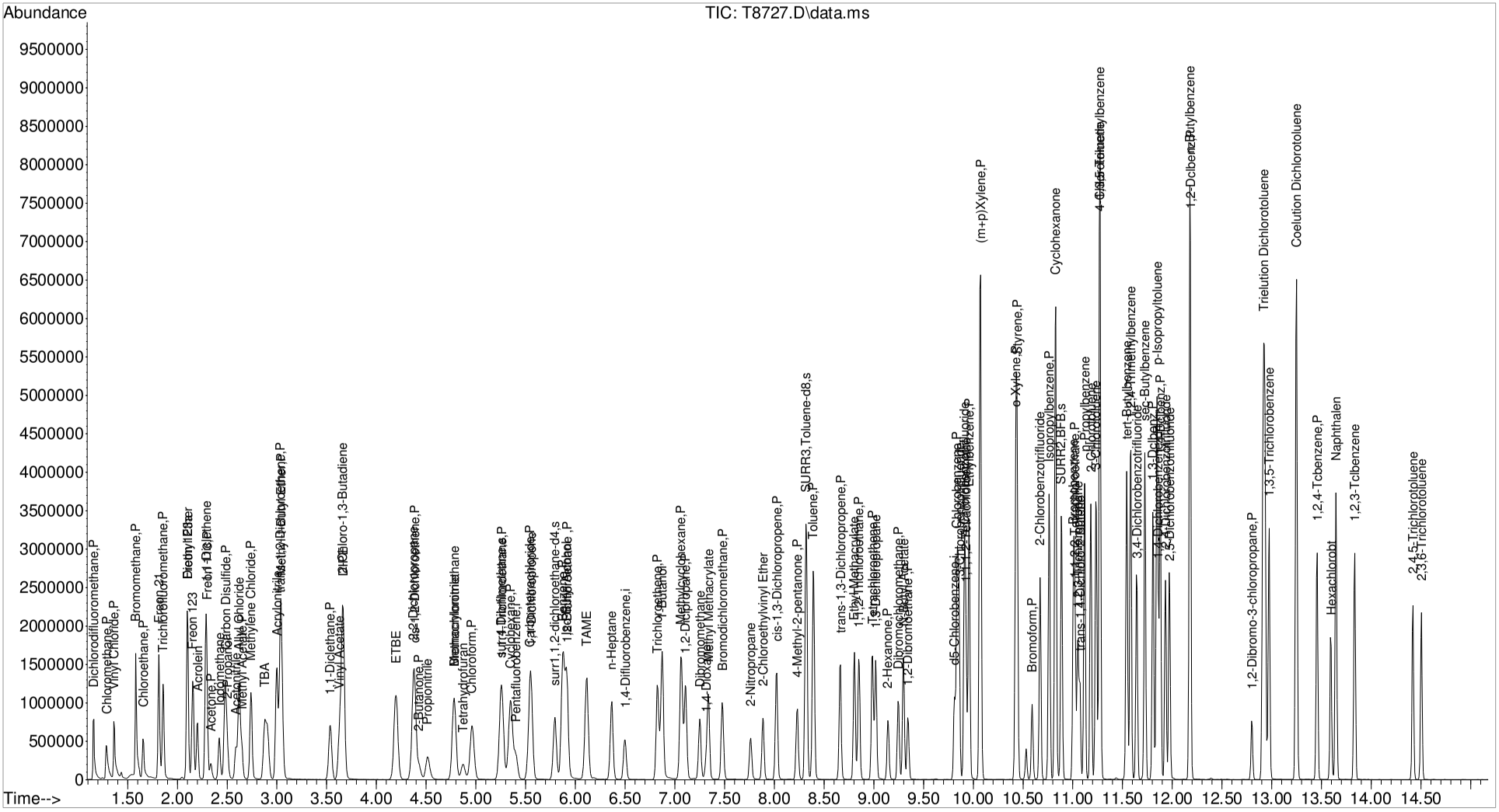
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	1031397	139.99	ug/L	98
105) 1,4-Dclbenz	11.877	146	1086449	138.46	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	435460	128.34	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.975	214	488585	127.41	ug/L	98
108) n-Butylbenzene	12.176	91	1820352	152.38	ug/L	98
109) 1,2-Dclbenz	12.182	146	1033038	137.59	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	144960	124.66	ug/L	93
111) Trielution Dichlorotol...	12.920	125	2630829	460.11	ug/L	98
112) 1,3,5-Trichlorobenzene	12.975	180	702647	132.82	ug/L	97
113) Coelution Dichlorotoluene	13.249	125	1890484	296.86	ug/L	100
114) 1,2,4-Tcbenzene	13.456	180	636364	132.78	ug/L	98
115) Hexachlorobt	13.597	225	228268	116.54	ug/L	95
116) Naphthalen	13.645	128	2073042	141.38	ug/L	97
117) 1,2,3-Tclbenzene	13.834	180	625439	130.28	ug/L	98
118) 2,4,5-Trichlorotoluene	14.420	159	435143	142.96	ug/L	94
119) 2,3,6-Trichlorotoluene	14.505	159	379235	140.64	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8727.D
Acq On : 2 Sep 2021 1:39 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 09:06:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8728.D
Acq On : 2 Sep 2021 2:01 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 09:06:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.409	168	314299	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.501	114	500958	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	480980	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	277562	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	148474	48.46	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.92%				
46) surr1,1,2-dichloroetha...	5.793	65	187132	49.45	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.90%				
64) SURR3,Toluene-d8	8.317	98	586872	49.55	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.10%				
69) SURR2,BFB	10.884	95	244298	53.29	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 106.58%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	781704	234.54	ug/L		99
3) Chloromethane	1.288	50	721874	168.00	ug/L		100
4) Vinyl Chloride	1.361	62	816278	194.59	ug/L		100
5) Bromomethane	1.587	94	1054539	207.50	ug/L		96
6) Chloroethane	1.666	64	522932	178.54	ug/L		94
7) Freon 21	1.819	67	1462467	252.11	ug/L		99
8) Trichlorofluoromethane	1.861	101	1101213	244.99	ug/L		95
9) Diethyl Ether	2.099	59	559662	189.27	ug/L		92
10) Freon 123a	2.105	67	742068	204.08	ug/L		96
11) Freon 123	2.154	83	827969	209.53	ug/L		96
12) Acrolein	2.196	56	679394	679.59	ug/L		97
13) 1,1-Diclethene	2.288	96	567928	215.69	ug/L		97
14) Freon 113	2.294	101	549885	204.61	ug/L		86
15) Acetone	2.331	43	280172	146.20	ug/L		89
16) 2-Propanol	2.471	45	1305569	2908.25	ug/L		99
17) Iodomethane	2.422	142	853773	200.09	ug/L		93
18) Carbon Disulfide	2.483	76	1412745	177.75	ug/L		98
19) Acetonitrile	2.587	41	580290	777.07	ug/L		99
20) Allyl Chloride	2.623	76	363298	205.84	ug/L	#	87
21) Methyl Acetate	2.648	43	693795	169.70	ug/L		97
22) Methylene Chloride	2.739	84	671650	197.91	ug/L		93
23) TBA	2.873	59	2119160	2903.85	ug/L		96
24) Acrylonitrile	2.995	53	1624911	847.03	ug/L		97
25) Methyl-t-Butyl Ether	3.044	73	2233949	202.75	ug/L		99
26) trans-1,2-Dichloroethene	3.038	96	641549	218.80	ug/L		94
27) 1,1-Diclethane	3.538	63	1143784	210.86	ug/L		99
28) Vinyl Acetate	3.629	86	128470	171.08	ug/L		97
29) DIPE	3.666	45	2096205	200.90	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.660	53	928483	216.86	ug/L		98
31) ETBE	4.196	59	1982853	209.40	ug/L		98
32) 2,2-Dichloropropane	4.373	77	927795	211.21	ug/L		100
33) cis-1,2-Dichloroethene	4.385	96	702018	213.91	ug/L		84
34) 2-Butanone	4.422	43	436515	157.78	ug/L		99
35) Propionitrile	4.513	54	656809	807.71	ug/L		99
36) Bromochloromethane	4.781	130	442662	206.65	ug/L		94
37) Methacrylonitrile	4.787	67	349904	184.94	ug/L		99
38) Tetrahydrofuran	4.867	42	266936	150.96	ug/L		92
39) Chloroform	4.958	83	1175257	201.53	ug/L		98
40) 1,1,1-Trichloroethane	5.263	97	956268	227.65	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8728.D
Acq On : 2 Sep 2021 2:01 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 09:06:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	619164	184.32	ug/L		93
44) Carbontetrachloride	5.543	117	791401	216.21	ug/L		92
45) 1,1-Dichloropropene	5.556	75	798960	199.12	ug/L		97
47) Benzene	5.873	78	2521319	199.33	ug/L		99
48) 1,2-Dichloroethane	5.915	62	970428	205.41	ug/L		98
49) Iso-Butyl Alcohol	5.903	43	881208	2668.53	ug/L		90
50) TAME	6.110	73	1950447	188.65	ug/L		94
51) n-Heptane	6.366	43	719194	183.45	ug/L		93
52) 1-Butanol	6.872	56	1319322	6541.66	ug/L		99
53) Trichloroethene	6.830	130	634416	187.72	ug/L		97
54) Methylcyclohexane	7.061	55	765855	203.76	ug/L		96
55) 1,2-Diclpropane	7.110	63	668849	186.31	ug/L		99
56) Dibromomethane	7.250	93	451625	191.20	ug/L		98
57) 1,4-Dioxane	7.311	88	234900	2858.62	ug/L		94
58) Methyl Methacrylate	7.336	69	573545	180.28	ug/L		97
59) Bromodichloromethane	7.476	83	925817	208.60	ug/L		98
60) 2-Nitropropane	7.762	41	483059	347.12	ug/L		100
61) 2-Chloroethylvinyl Ether	7.884	63	467339	211.31	ug/L		100
62) cis-1,3-Dichloropropene	8.025	75	1071004	205.16	ug/L		99
63) 4-Methyl-2-pentanone	8.226	43	864012	168.11	ug/L		95
65) Toluene	8.390	91	2770640	207.88	ug/L		97
66) trans-1,3-Dichloropropene	8.665	75	1044565	210.69	ug/L		97
67) Ethyl Methacrylate	8.805	69	1071407	195.01	ug/L		100
68) 1,1,2-Trichloroethane	8.854	97	632886	199.24	ug/L		93
71) Tetrachloroethene	8.988	164	478100	188.17	ug/L		97
72) 2-Hexanone	9.140	43	655504	160.53	ug/L		95
73) 1,3-Dichloropropane	9.018	76	1063379	187.71	ug/L		98
74) Dibromochloromethane	9.244	129	694836	214.50	ug/L		92
75) N-Butyl Acetate	9.299	43	1380328	176.29	ug/L		98
76) 1,2-Dibromoethane	9.341	107	689571	193.94	ug/L		99
77) 3-Chlorobenzotrifluoride	9.860	180	881643	192.18	ug/L		93
78) Chlorobenzene	9.841	112	1753099	196.70	ug/L		94
79) 4-Chlorobenzotrifluoride	9.914	180	783158	189.16	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.927	131	634114	203.80	ug/L		95
81) Ethylbenzene	9.957	106	949769	206.01	ug/L		99
82) (m+p)Xylene	10.073	106	2496170	428.01	ug/L	#	85
83) o-Xylene	10.427	106	1239269	215.02	ug/L		98
84) Styrene	10.439	104	2168020	215.83	ug/L		94
85) Bromoform	10.591	173	514357	199.00	ug/L		100
86) 2-Chlorobenzotrifluoride	10.670	180	911112	196.19	ug/L		93
87) Isopropylbenzene	10.762	105	2870014	211.50	ug/L		97
88) Cyclohexanone	10.829	55	2536909	2815.37	ug/L		93
89) trans-1,4-Dichloro-2-B...	11.073	53	258086	196.85	ug/L		95
91) 1,1,2,2-Tetrachloroethane	11.024	83	1008488	193.95	ug/L		99
92) Bromobenzene	11.012	156	818698	190.48	ug/L		98
93) 1,2,3-Trichloropropane	11.055	110	298344	170.40	ug/L		95
94) n-Propylbenzene	11.122	91	3563815	204.17	ug/L		95
95) 2-Chlorotoluene	11.183	91	2203350	198.06	ug/L		98
96) 3-Chlorotoluene	11.237	91	2288480	215.47	ug/L		97
97) 4-Chlorotoluene	11.274	91	2623145	218.56	ug/L		98
98) 1,3,5-Trimethylbenzene	11.274	105	2784768	221.04	ug/L		97
99) tert-Butylbenzene	11.542	119	2185074	204.45	ug/L		99
100) 1,2,4-Trimethylbenzene	11.585	105	2693077	215.96	ug/L		95
101) 3,4-Dichlorobenzotrifl...	11.646	214	674049	177.45	ug/L		98
102) sec-Butylbenzene	11.725	105	3180973	209.93	ug/L		96
103) p-Isopropyltoluene	11.847	119	2809772	213.03	ug/L		98

Quantitation Report (QT Reviewed)

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Data File : T8728.D
Acq On : 2 Sep 2021 2:01 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 09:06:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

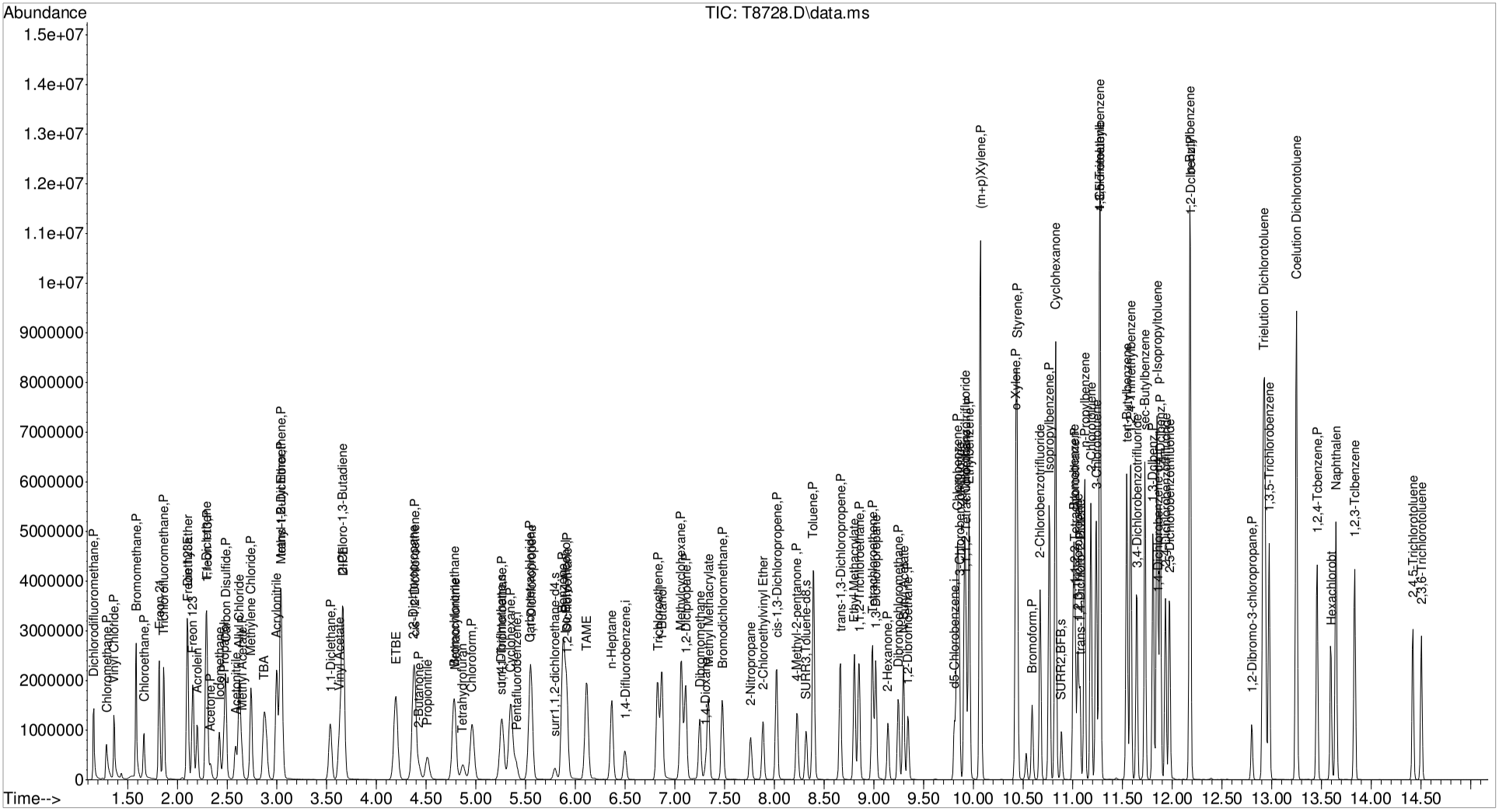
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	1531318	200.14	ug/L		99
105) 1,4-Dclbenz	11.878	146	1610370	197.62	ug/L		99
106) 2,4-Dichlorobenzotrifl...	11.932	214	604683	171.60	ug/L		98
107) 2,5-Dichlorobenzotrifl...	11.975	214	683859	171.71	ug/L		97
108) n-Butylbenzene	12.176	91	2700596	217.68	ug/L		98
109) 1,2-Dclbenz	12.182	146	1559309	199.98	ug/L		98
110) 1,2-Dibromo-3-chloropr...	12.798	157	206135	170.69	ug/L	#	81
111) Trielution Dichlorotol...	12.920	125	3705154	623.97	ug/L		98
112) 1,3,5-Trichlorobenzene	12.975	180	977299	177.89	ug/L		95
113) Coelution Dichlorotoluene	13.249	125	2660982	402.36	ug/L		99
114) 1,2,4-Tcbenzene	13.456	180	932722	187.40	ug/L		97
115) Hexachlorobt	13.597	225	336270	165.32	ug/L		93
116) Naphthalen	13.645	128	2920903	191.82	ug/L		97
117) 1,2,3-Tclbenzene	13.834	180	897886	180.10	ug/L		97
118) 2,4,5-Trichlorotoluene	14.420	159	586038	185.39	ug/L		94
119) 2,3,6-Trichlorotoluene	14.505	159	514948	183.89	ug/L		95

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

Quantitation Report (QT Reviewed)

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Acq On : 2 Sep 2021 2:01 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
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Quant Time: Sep 08 09:06:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st FJ 09/08/21
2nd 09/08/21

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	100	0.00
2	P	Dichlorodifluoromethane	50.000	40.065	19.9	90	0.00
3	P	Chloromethane	50.000	55.513	-11.0	126	0.00
4	P	Vinyl Chloride	50.000	49.866	0.3	110	0.00
5	P	Bromomethane	50.000	36.676	26.6#	95	0.00
6	P	Chloroethane	50.000	47.780	4.4	110	0.00
7		Freon 21	50.000	44.595	10.8	121	0.00
8	P	Trichlorofluoromethane	50.000	39.031	21.9#	101	0.00
9		Diethyl Ether	50.000	47.025	6.0	97	0.00
10		Freon 123a	50.000	48.041	3.9	120	0.00
11		Freon 123	50.000	47.107	5.8	118	0.00
12		Acrolein	250.000	106.348	57.5#	44	0.00
13		1,1-Diclethene	50.000	41.411	17.2	99	0.00
14	P	Freon 113	50.000	40.954	18.1	100	0.00
15	P	Acetone	50.000	45.202	9.6	102	0.00
16		2-Propanol	1000.000	1010.726	-1.1	105	0.00
17		Iodomethane	50.000	43.125	13.8	95	0.00
18	P	Carbon Disulfide	50.000	54.385	-8.8	127	0.00
19		Acetonitrile	250.000	249.273	0.3	91	0.00
20		Allyl Chloride	50.000	42.941	14.1	91	0.00
21	P	Methyl Acetate	50.000	55.884	-11.8	122	0.00
22	P	Methylene Chloride	50.000	43.871	12.3	99	0.00
23		TBA	1000.000	1039.288	-3.9	107	0.00
24		Acrylonitrile	250.000	247.906	0.8	102	0.00
25	P	Methyl-t-Butyl Ether	50.000	47.024	6.0	96	0.00
26	P	trans-1,2-Dichloroethene	50.000	43.262	13.5	97	0.00
27	P	1,1-Diclethane	50.000	45.563	8.9	98	0.00
28		Vinyl Acetate	50.000	29.567	40.9#	59	0.00
29		DIPE	50.000	50.634	-1.3	104	0.00
30		2-Chloro-1,3-Butadiene	50.000	50.219	-0.4	117	0.00
31		ETBE	50.000	46.148	7.7	97	0.00
32		2,2-Dichloropropane	50.000	45.639	8.7	105	0.00
33	P	cis-1,2-Dichloroethene	50.000	45.182	9.6	101	0.00
34	P	2-Butanone	50.000	50.285	-0.6	106	0.00
35		Propionitrile	250.000	249.105	0.4	105	0.00
36		Bromochloromethane	50.000	44.678	10.6	96	0.00
37		Methacrylonitrile	50.000	50.852	-1.7	100	0.00
38		Tetrahydrofuran	50.000	50.074	-0.1	111	0.00
39	P	Chloroform	50.000	45.254	9.5	95	0.00
40	P	1,1,1-Trichloroethane	50.000	43.594	12.8	99	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
42	P	Cyclohexane	50.000	48.487	3.0	118	0.00
43	s	surr4,Dibrflmethane	50.000	51.383	-2.8	98	0.00
44	P	Carbontetrachloride	50.000	40.566	18.9	96	0.00
45		1,1-Dichloropropene	50.000	43.220	13.6	100	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	50.717	-1.4	101	0.00
47	P	Benzene	50.000	45.998	8.0	95	0.00
48	P	1,2-Dichloroethane	50.000	48.290	3.4	97	0.00
49		Iso-Butyl Alcohol	1000.000	1094.359	-9.4	104	0.00
50		TAME	50.000	51.112	-2.2	105	0.00
51		n-Heptane	50.000	41.620	16.8	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.000	2795.088	-11.8	105	0.00
53	P	Trichloroethene	50.000	45.087	9.8	97	0.00
54	P	Methylcyclohexane	50.000	49.932	0.1	122	0.00
55	P	1,2-Diclpropane	50.000	45.769	8.5	97	0.00
56		Dibromomethane	50.000	48.922	2.2	103	0.00
57		1,4-Dioxane	1000.000	1068.228	-6.8	104	0.00
58		Methyl Methacrylate	50.000	52.760	-5.5	102	0.00
59	P	Bromodichloromethane	50.000	50.390	-0.8	97	0.00
60		2-Nitropropane	100.000	110.513	-10.5	106	0.00
61		2-Chloroethylvinyl Ether	50.000	52.491	-5.0	101	0.00
62	P	cis-1,3-Dichloropropene	50.000	49.470	1.1	100	0.00
63	P	4-Methyl-2-pentanone	50.000	53.891	-7.8	105	0.00
64	s	SURR3,Toluene-d8	50.000	51.195	-2.4	98	0.00
65	P	Toluene	50.000	46.267	7.5	99	0.00
66	P	trans-1,3-Dichloropropene	50.000	51.173	-2.3	97	0.00
67		Ethyl Methacrylate	50.000	47.363	5.3	89	0.00
68	P	1,1,2-Trichloroethane	50.000	51.241	-2.5	100	0.00
69	s	SURR2,BFB	50.000	51.402	-2.8	102	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	96	0.00
71	P	Tetrachloroethene	50.000	44.557	10.9	102	0.00
72	P	2-Hexanone	50.000	55.480	-11.0	103	0.00
73		1,3-Dichloropropane	50.000	49.227	1.5	94	0.00
74	P	Dibromochloromethane	50.000	51.360	-2.7	98	0.00
75		N-Butyl Acetate	50.000	53.345	-6.7	102	0.00
76	P	1,2-Dibromoethane	50.000	52.567	-5.1	96	0.00
77		3-Chlorobenzotrifluoride	50.000	44.354	11.3	95	0.00
78	P	Chlorobenzene	50.000	47.097	5.8	97	0.00
79		4-Chlorobenzotrifluoride	50.000	46.012	8.0	101	0.00
80		1,1,1,2-Tetrachloroethane	50.000	49.850	0.3	97	0.00
81	P	Ethylbenzene	50.000	46.352	7.3	97	0.00
82	P	(m+p)Xylene	100.000	99.003	1.0	100	0.00
83	P	o-Xylene	50.000	49.745	0.5	102	0.00
84	P	Styrene	50.000	49.106	1.8	97	0.00
85	P	Bromoform	50.000	52.245	-4.5	96	0.00
86		2-Chlorobenzotrifluoride	50.000	46.613	6.8	98	0.00
87	P	Isopropylbenzene	50.000	48.518	3.0	104	0.00
88		Cyclohexanone	1000.000	1186.021	-18.6	111	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	52.604	-5.2	101	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	52.982	-6.0	108	0.00
92		Bromobenzene	50.000	47.306	5.4	98	0.00
93		1,2,3-Trichloropropane	50.000	46.776	6.4	98	0.00
94		n-Propylbenzene	50.000	46.537	6.9	102	0.00
95		2-Chlorotoluene	50.000	44.394	11.2	97	0.00
96		3-Chlorotoluene	50.000	49.133	1.7	103	0.00
97		4-Chlorotoluene	50.000	47.910	4.2	102	0.00
98		1,3,5-Trimethylbenzene	50.000	47.552	4.9	101	0.00
99		tert-Butylbenzene	50.000	45.241	9.5	104	0.00
100		1,2,4-Trimethylbenzene	50.000	47.671	4.7	100	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	44.280	11.4	104	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.000	47.018	6.0	105	0.00
103		p-Isopropyltoluene	50.000	47.546	4.9	101	0.00
104	P	1,3-Dclbenz	50.000	48.132	3.7	100	0.00
105	P	1,4-Dclbenz	50.000	44.961	10.1	98	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	46.185	7.6	101	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	46.660	6.7	101	0.00
108		n-Butylbenzene	50.000	46.595	6.8	99	0.00
109	P	1,2-Dclbenz	50.000	49.394	1.2	98	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	54.356	-8.7	101	0.00
111		Trielution Dichlorotoluene	150.000	148.398	1.1	99	0.01
112		1,3,5-Trichlorobenzene	50.000	46.738	6.5	97	0.00
113		Coelution Dichlorotoluene	100.000	98.085	1.9	97	0.00
114	P	1,2,4-Tcbenzene	50.000	51.134	-2.3	98	0.00
115		Hexachlorobt	50.000	52.084	-4.2	108	0.00
116		Naphthalen	50.000	54.647	-9.3	97	0.00
117		1,2,3-Tclbenzene	50.000	47.824	4.4	98	0.00
118		2,4,5-Trichlorotoluene	50.000	53.628	-7.3	102	0.00
119		2,3,6-Trichlorotoluene	50.000	51.459	-2.9	99	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: 9/2/21 10:04

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\090221\T8718.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	25.6	24211	PASS
75	95	30	60	58.7	55552	PASS
95	95	100	100	100.0	94624	PASS
96	95	5	9	6.1	5772	PASS
173	174	0	2	1.1	884	PASS
174	95	50	120	86.1	81432	PASS
175	174	5	9	7.5	6140	PASS
176	174	95	101	95.2	77528	PASS
177	176	5	9	6.8	5300	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICALBLK	ICALBLK	I:\ACQUDATA\msvoa10\data\090221\T8719.D	9/2/21 10:45	
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8720.D	9/2/21 11:07	
1 PPB STD	1 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090221\T8721.D	9/2/21 11:28	
2 PPB STD	2 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8722.D	9/2/21 11:50	
5 PPB STD	5 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090221\T8723.D	9/2/21 12:12	
20 PPB STD	20 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8724.D	9/2/21 12:34	
50 PPB STD	50 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8725.D	9/2/21 12:56	
100 PPB STD	100 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8726.D	9/2/21 13:18	
150 PPB STD	150 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8727.D	9/2/21 13:39	
200 PPB STD	200 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8728.D	9/2/21 14:01	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\MSVOA10\DATA\090221\T8732.D	9/2/21 15:28	

Analysis: 8260/624 Analyst: F.Naegler pH strips: — Tune Method: W090221.M

Date: 9/2/21 Balance ID: — ResCl strips: — Run Method: ↓

Instr. MS 10 50 mL Class A used for dilution FV Syringes: 177417 / 218709 LIMS Run# : —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	TUNE							T8718	Y	
1	ICAL BLK							19	Y	
2	0.5 ppb std							20	Y	
3	1							21	Y	
4	2							22	Y	
5	5							23	Y	
6	20							24	Y	
7	50							25	Y	
8	100							26	Y	
9	150							27	Y	
10	200 ↓							28	Y	
11	BLK							29	Y	
12	↓							30	Y	
13								31	Y	
14	50 ppb ICV							32	Y	
15	BLK							33	Y	
16	↓							34 ↓	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 218876	10mL/1mL 5mL/50mL	10mL/50mL	20mL/50mL	50mL/50mL	2mL/50mL	5mL/50mL	10mL/50mL	15mL/50mL	20mL/50mL
1° HSL = 218923	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 219026	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 218147	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

Primary See: TABLE ABOVE

Primary :

Primary :

Primary :

Primary :

Fr Secondary 200 : 218625 – 12.5uL

TIG Secondary 500 : 218705 – 5uL

HSL Secondary ↓ : 218998 – ↓

OCC Secondary ↓ : 218150 – ↓

Secondary :

50mL (ICV)

Surrogate 50 : 219023

Internal Std 50 : 219024

Reagents: —

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2100120-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8720.D	09/02/2021 11:07
02	RC2100120-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8721.D	09/02/2021 11:28
03	RC2100120-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8722.D	09/02/2021 11:50
04	RC2100120-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8723.D	09/02/2021 12:12
05	RC2100120-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8724.D	09/02/2021 12:34
06	RC2100120-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8725.D	09/02/2021 12:56
07	RC2100120-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8726.D	09/02/2021 13:18
08	RC2100120-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8727.D	09/02/2021 13:39
09	RC2100120-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8728.D	09/02/2021 14:01

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6624	02	1.000	0.6055	03	2.000	0.661	04	5.000	0.6752
05	20.000	0.6793	06	50.000	0.5797	07	100.000	0.6291	08	150.000	0.6791
09	200.000	0.7606									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8021	02	1.000	0.7631	03	2.000	0.7483	04	5.000	0.9268
05	20.000	0.882	06	50.000	0.7719	07	100.000	0.8028	08	150.000	0.836
09	200.000	0.9098									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4283	02	1.000	0.4103	03	2.000	0.4014	04	5.000	0.4465
05	20.000	0.4339	06	50.000	0.3419	07	100.000	0.3705	08	150.000	0.3975
09	200.000	0.4517									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3993	05	20.000	0.3346	06	50.000	0.4137	07	100.000	0.4678
08	200.000	0.4777									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.2869	05	20.000	0.2494	06	50.000	0.2869	07	100.000	0.2863
08	200.000	0.2863									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2079	02	1.000	0.2423	03	2.000	0.237	04	5.000	0.2599
05	20.000	0.2349	06	50.000	0.1908	07	100.000	0.2026	08	150.000	0.2214
09	200.000	0.2485									

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.221	05	20.000	0.9852	06	50.000	1.151	07	100.000	1.162
08	200.000	1.12									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2628	02	1.000	0.275	03	2.000	0.2968	04	5.000	0.3201
05	20.000	0.3099	06	50.000	0.2649	07	100.000	0.2731	08	150.000	0.2971
09	200.000	0.3166									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5577	02	1.000	0.7592	03	2.000	0.5544	04	5.000	0.7043
05	20.000	0.6818	06	50.000	0.5782	07	100.000	0.5935	08	150.000	0.6444
09	200.000	0.6493									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5725	02	1.000	0.4886	03	2.000	0.4965	04	5.000	0.5435
05	20.000	0.5219	06	50.000	0.4619	07	100.000	0.4915	08	150.000	0.5018
09	200.000	0.5584									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4101	02	1.000	0.5067	03	2.000	0.4484	04	5.000	0.4393
05	20.000	0.4562	06	50.000	0.4006	07	100.000	0.4284	08	150.000	0.461
09	200.000	0.5103									

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

		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	7.9	≤20	0.6591	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.9	≤20	0.827	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	8.8	≤20	0.4091	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	13.8	≤20	0.4186	
Dibromofluoromethane	SURR	Average RF	% RSD	6.0	≤20	0.2792	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.1	≤20	0.2272	0.200
Toluene-d8	SURR	Average RF	% RSD	7.8	≤20	1.128	
Trichloroethene (TCE)	TRG	Average RF	% RSD	7.7	≤20	0.2907	0.200
Vinyl Chloride	TRG	Average RF	% RSD	11.1	≤20	0.6359	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	7.1	≤20	0.5152	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	8.4	≤20	0.4512	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2100120-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\090221\T8732.D	09/02/2021 15:28

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.6	6.591E-1	5.747E-1	-12.812	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.6	8.27E-1	7.536E-1	-8.874	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	41.4	4.091E-1	3.388E-1	-17.177	±30	Average RF
Tetrachloroethene (PCE)	50.0	44.6	2.272E-1	2.025E-1	-10.886	±30	Average RF
Trichloroethene (TCE)	50.0	45.1	2.907E-1	2.621E-1	-9.827	±30	Average RF
Vinyl Chloride	50.0	49.9	6.359E-1	6.342E-1	-0.269	±30	Average RF
cis-1,2-Dichloroethene	50.0	45.2	5.152E-1	4.655E-1	-9.635	±30	Average RF
trans-1,2-Dichloroethene	50.0	43.3	4.512E-1	3.904E-1	-13.476	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.4	4.186E-1	4.304E-1	2.80	±30	Average RF
Dibromofluoromethane	50.0	51.4	2.792E-1	2.869E-1	2.77	±30	Average RF
Toluene-d8	50.0	51.2	1.128E0	1.155E0	2.39	±30	Average RF

Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood/5101.0002

Service Request: R2109571
Date Analyzed: 09/24/21 21:46

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\092421\T9033.D\
Signal ID: 1

Calibration Date: 9/2/2021
Calibration ID: RC2100120
Analysis Lot: 739946
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	50.2	0.6591	0.6624	0.5	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.4	0.827	0.8833	6.8	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	54.8	0.4091	0.4483	9.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	50.2	0.2272	0.2282	0.4	NA	±20	Average RF
Trichloroethene (TCE)	50.0	55.1	0.2907	0.3206	10.3	NA	±20	Average RF
Vinyl Chloride	50.0	51.4	0.6359	0.6542	2.9	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	53.1	0.5152	0.5473	6.2	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	53.4	0.4512	0.4816	6.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.3	0.4186	0.4379	4.6	NA	±20	Average RF
Dibromofluoromethane	50.0	51.6	0.2792	0.2881	3.2	NA	±20	Average RF
Toluene-d8	50.0	50.9	1.128	1.1473	1.7	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**739946
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092421\T9032.D\	ZZZZZZZ	ZZZZZZZ	9/24/2021	21:24:00	
I:\ACQUDATA\msvoa10\data\092421\T9033.D\	Continuing Calibration Verification	RQ2111907-02	9/24/2021	21:46:00	
I:\ACQUDATA\msvoa10\data\092421\T9034.D\	Lab Control Sample	RQ2111907-03	9/24/2021	22:07:00	
I:\ACQUDATA\msvoa10\data\092421\T9035.D\	Duplicate Lab Control Sample	RQ2111907-04	9/24/2021	22:29:00	
I:\ACQUDATA\msvoa10\data\092421\T9038.D\	Method Blank	RQ2111907-05	9/24/2021	23:35:00	
I:\ACQUDATA\msvoa10\data\092421\T9039.D\	TB-091421	R2109571-003	9/24/2021	23:57:00	
I:\ACQUDATA\msvoa10\data\092421\T9040.D\	MW-32-091421	R2109571-001	9/25/2021	00:19:00	
I:\ACQUDATA\msvoa10\data\092421\T9041.D\	MW-35-091421	R2109571-002	9/25/2021	00:40:00	
I:\ACQUDATA\msvoa10\data\092421\T9042.D\	MW-14-091521	R2109571-004	9/25/2021	01:02:00	
I:\ACQUDATA\msvoa10\data\092421\T9043.D\	MP-13-091521	R2109571-005	9/25/2021	01:24:00	
I:\ACQUDATA\msvoa10\data\092421\T9044.D\	MW-28-091521	R2109571-006	9/25/2021	01:46:00	
I:\ACQUDATA\msvoa10\data\092421\T9045.D\	MW-25R-091521	R2109571-007	9/25/2021	02:08:00	
I:\ACQUDATA\msvoa10\data\092421\T9046.D\	MW-19-091521	R2109571-011	9/25/2021	02:30:00	
I:\ACQUDATA\msvoa10\data\092421\T9047.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	02:51:00	
I:\ACQUDATA\msvoa10\data\092421\T9048.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	03:13:00	
I:\ACQUDATA\msvoa10\data\092421\T9049.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	03:35:00	
I:\ACQUDATA\msvoa10\data\092421\T9050.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	03:57:00	
I:\ACQUDATA\msvoa10\data\092421\T9051.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	04:19:00	
I:\ACQUDATA\msvoa10\data\092421\T9052.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	04:41:00	
I:\ACQUDATA\msvoa10\data\092421\T9053.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	05:03:00	
I:\ACQUDATA\msvoa10\data\092421\T9054.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	05:25:00	
I:\ACQUDATA\msvoa10\data\092421\T9055.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	05:46:00	
I:\ACQUDATA\msvoa10\data\092421\T9056.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	06:08:00	

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:739946
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092421\T9057.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	06:30:00	
I:\ACQUDATA\msvoa10\data\092421\T9058.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	06:52:00	

Analysis: 8260 | Analyst: F. Nagl | pH strips: 205521 | Tune Method: W090221.M

Date: 9/24/21 #2 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS 10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 218709 | LIMS Run#: 739946

Data Path: j:\acqudata\msvoa(InstID)\(Date)

FV 9/24/21

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
29	TUNE							T9032	Y	
30	CCV							33	Y	
31	LCS-FP							34	Y	
32	~~BLK~~ LCSD-FP							35	Y	
33	MBLK ~~-UNP~~							36	(N)	
34	MBLK ~~-FP~~ UNP							37	Y	
35	MBLK - FP							38	Y	
36	R2109571-003	1.0		6646	4	1	<2	39	Y	
37	-001	1.0				1	<2	40	Y	
38	-002	1.0				1	<2	41	Y	
39	-004	1.0				1	<2	42	Y	
40	-005	1.0				1	<2	43	Y	
41	-006	5.0	10/50mL			1	<2	44	Y	Foamy!
42	-007	1.0				1	<2	45	Y	
43	-011	1.0		↓	↓	1	<2	46	Y	
44	R2109651-002	1.0		8532	2	1	<2	47	Y	
45	-007	1.0				1	<2	48	Y	
46	-008	1.0				1	<2	49	Y	
47	-009	1.0				1	<2	50	Y	
48	-010	1.0				1	<2	51	Y	
49	-006	10.0	5/50mL			1	<2	52	Y	↑NT's
50	-011	10.0	↓			1	<2	53	Y	↓
51	-012	50.0	1/50mL			1	<2	54	Y	
52	-001	1.0				1	<2	55	Y	
53	-004	1.0				1	<2	56	Y	
54	-005	1.0				1	<2	57	Y	
55	-003	1.0		↓	↓	1	<2	58	Y	
56	BLK							59	Y	
57								60	Y	
58								61	Y	
59								62	Y	
60	↓							↓ 63	Y	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

T/G Primary 500 : 219349 - 5mL/50mL

HSL Primary : 219385 -

Fr Primary : 219026 -

DCC Primary : 218147 -

Primary :

↓ (CCV)

Fr Secondary 200 : 219105 - 5uL

T/G Secondary 500 : 219170 - 2uL

HSL Secondary : 219368 -

DCC Secondary : 218150 -

Secondary :

5mL (LCS)

-12.5uL -5uL ↓

5mL (SPK)

Surrogate 50 : 219023

Internal Std 50 : 219024

Reagents: —

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 12:10
Sample Matrix:	Water	**Date Received:**	09/16/21 08:05
Sample Name:	MP-12-091521	**Units:**	ug/L
Lab Code:	R2109571-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

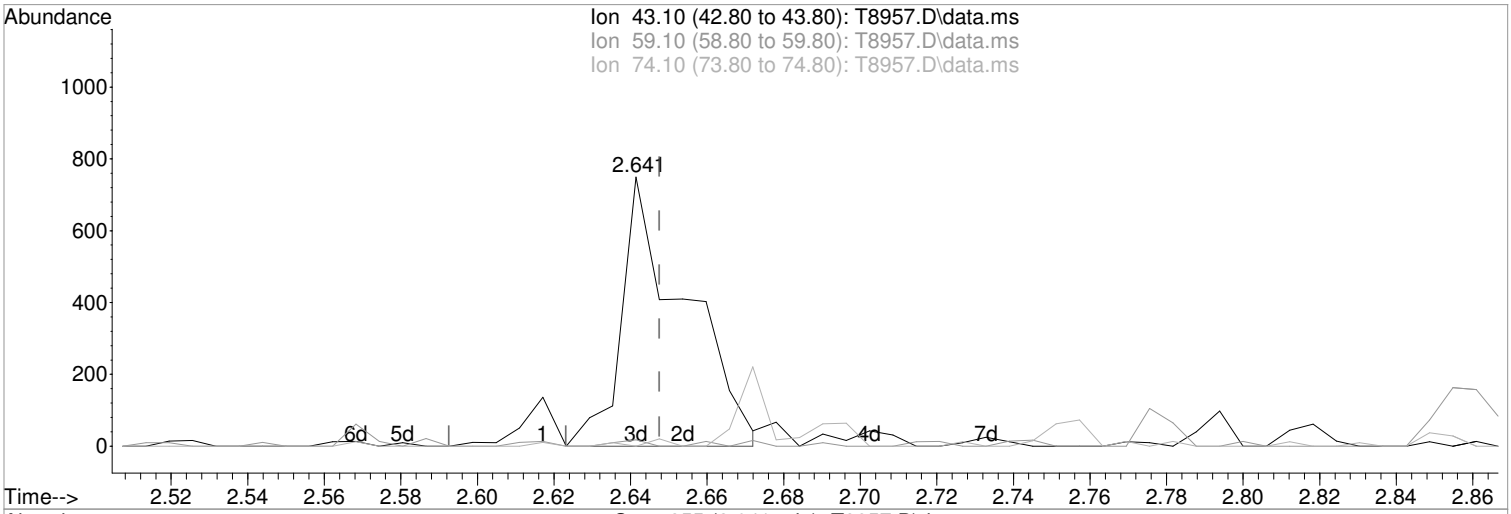
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	10	2.0	10	09/23/21 16:50	*
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/23/21 16:50	*
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/23/21 16:50	*
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/23/21 16:50	*
Trichloroethene (TCE)	10 U	10	2.0	10	09/23/21 16:50	*
Vinyl Chloride	10 U	10	2.0	10	09/23/21 16:50	*
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/23/21 16:50	*
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/23/21 16:50	*

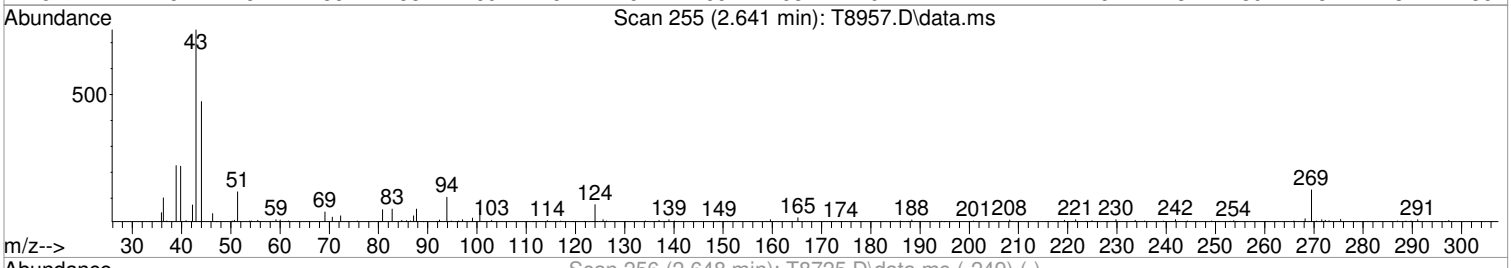
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/23/21 16:50	
Dibromofluoromethane	96	80 - 116	09/23/21 16:50	
Toluene-d8	99	87 - 121	09/23/21 16:50	

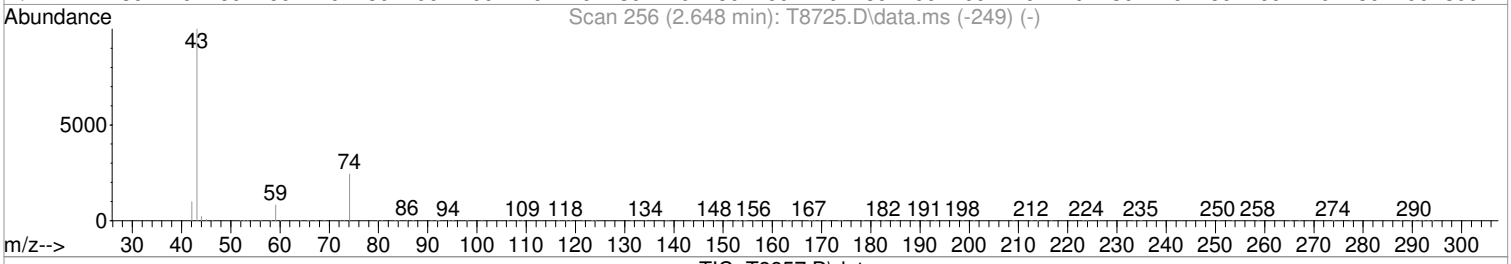
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8957.D
Acq On : 23 Sep 2021 4:50 pm
Operator : F.NAEGLER
Sample : R2109571-010|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 17:20:25 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8957.D\data.ms

(21) Methyl Acetate (P)

2.641min (-0.006) 0.23 ug/L m

response 863

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	2.40
74.10	24.40	0.00#
0.00	0.00	0.00

Manual Integration:

After

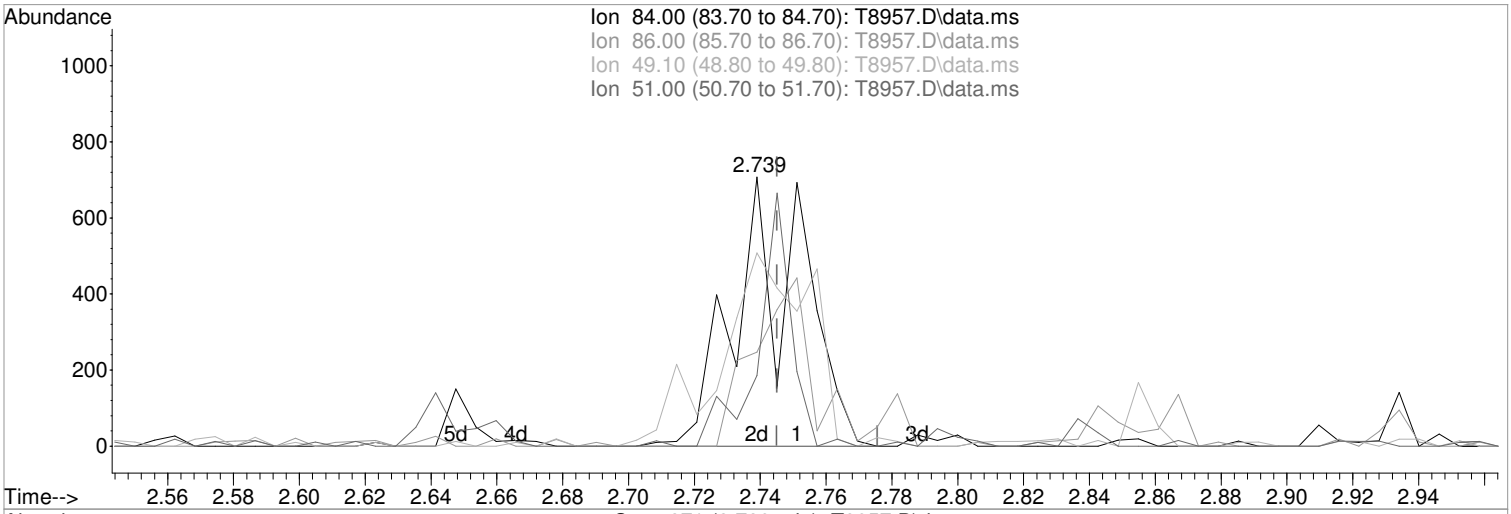
Poor integration.

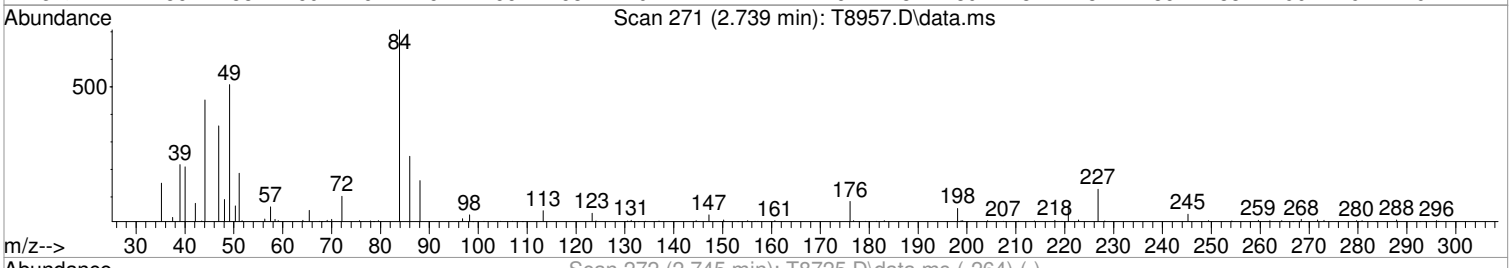
09/24/21

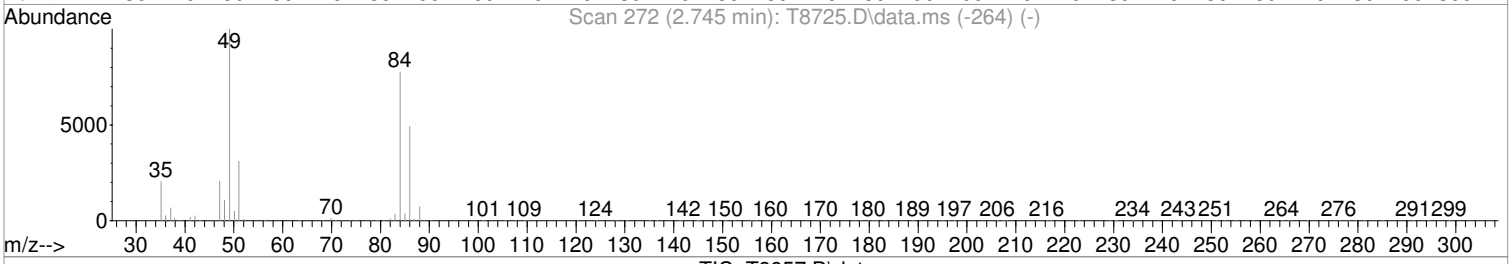
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8957.D
Acq On : 23 Sep 2021 4:50 pm
Operator : F.NAEGLER
Sample : R2109571-010|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 17:20:25 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8957.D\data.ms

(22) Methylene Chloride (P)

2.739min (-0.006) 0.30 ug/L m

response 1011

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	34.94#
49.10	129.00	71.85#
51.00	40.10	26.31

Manual Integration:

After

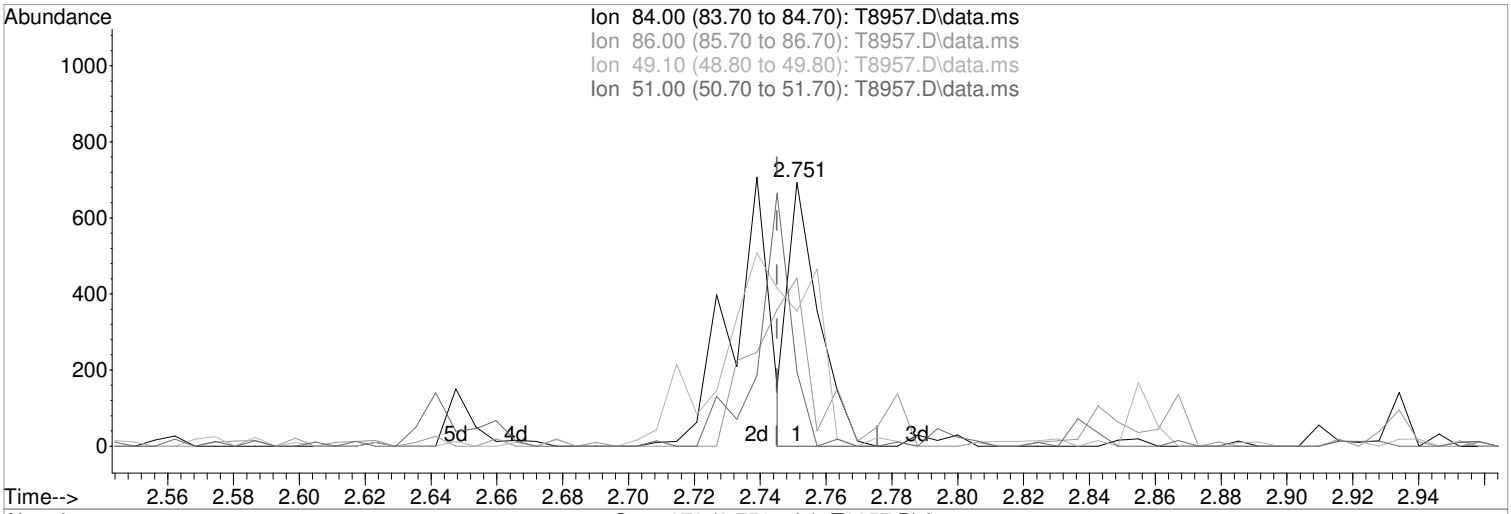
Poor integration.

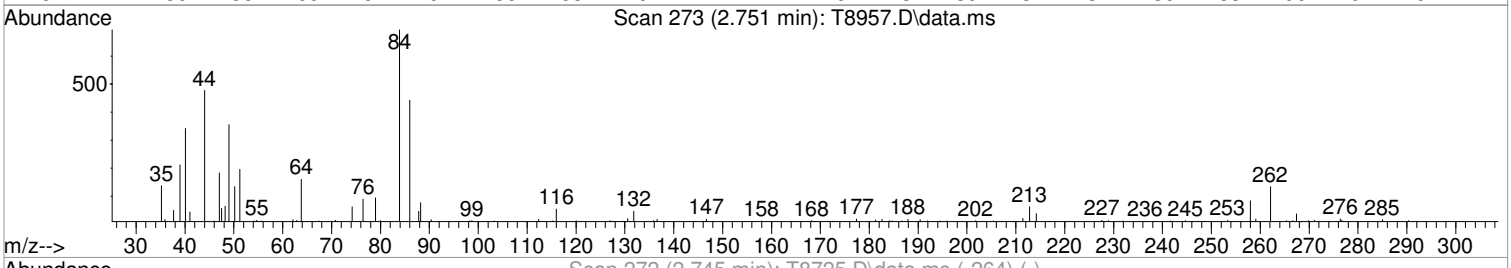
09/24/21

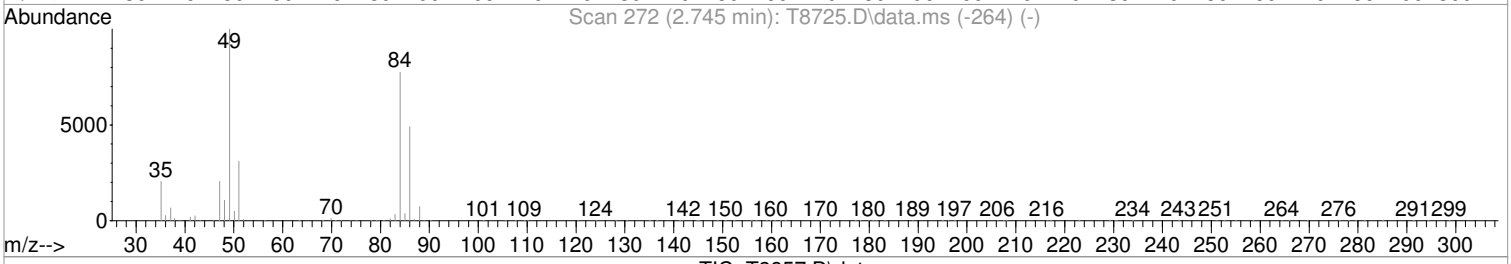
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8957.D
Acq On : 23 Sep 2021 4:50 pm
Operator : F.NAEGLER
Sample : R2109571-010|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 17:20:25 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8957.D\data.ms

(22) Methylene Chloride (P)

2.751min (+0.006) 0.13 ug/L

response 442

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	63.78
49.10	129.00	51.23#
51.00	40.10	28.28

Manual Integration:

Before

09/24/21

1st FW 09/24/21
2nd WR 09/24/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8957.D
Acq On : 23 Sep 2021 4:50 pm
Operator : F.NAEGLER
Sample : R2109571-010|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 14:50:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Diluted b/c of dark matrix

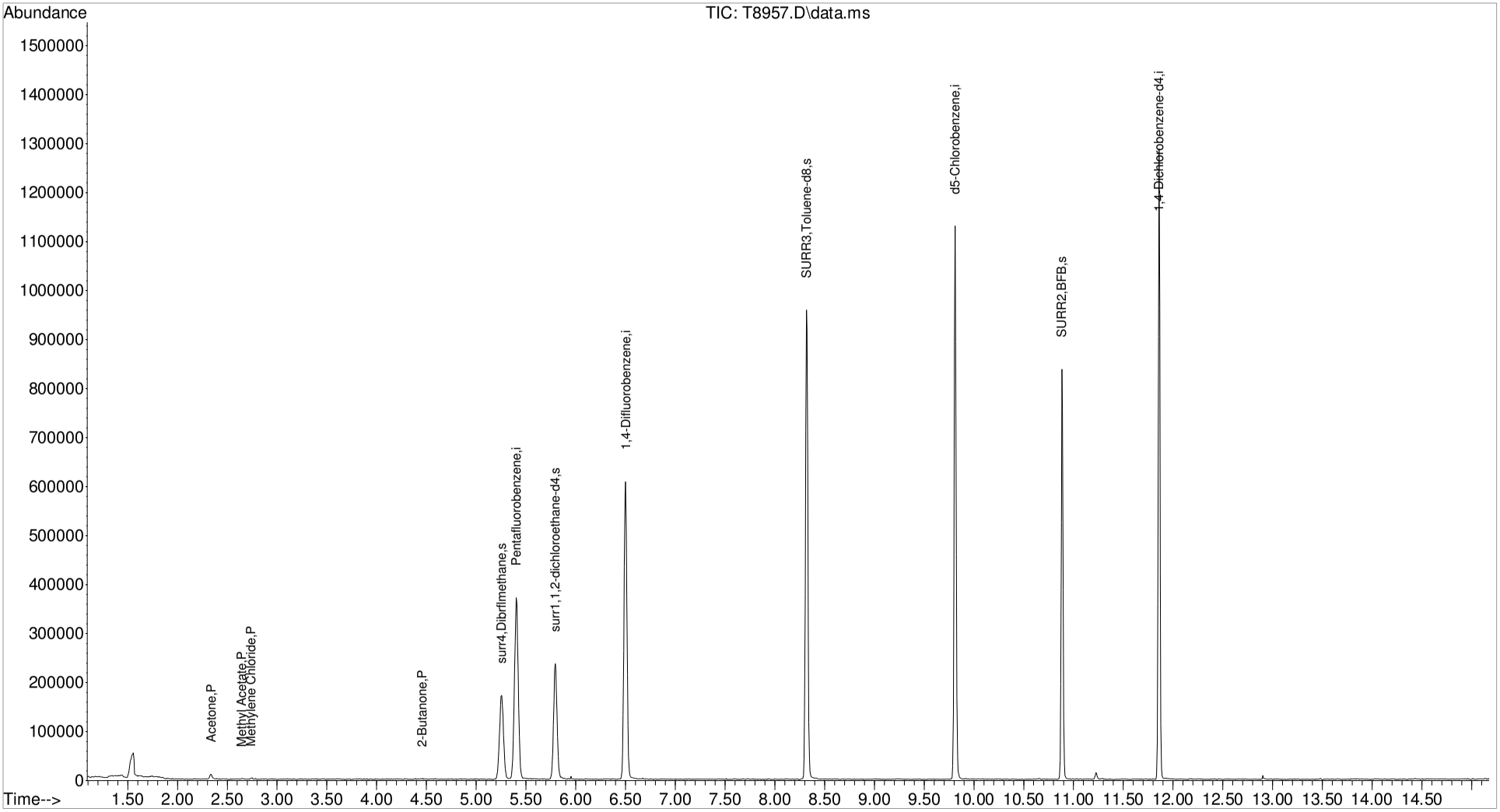
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	331933	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	536215	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	477581	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	237536	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	144142	48.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.30%			
46) surr1,1,2-dichloroetha...	5.793	65	196246	50.54	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.08%			
64) SURR3,Toluene-d8	8.317	98	597354	49.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.76%			
69) SURR2,BFB	10.884	95	208863	46.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.04%			
Target Compounds						Qvalue
15) Acetone	2.337	43	9961	6.48	ug/L	97
21) Methyl Acetate	2.641	43	863m	0.23	ug/L	
22) Methylene Chloride	2.739	84	1011m	0.30	ug/L	
34) 2-Butanone	4.458	43	2591	1.16	ug/L	88

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

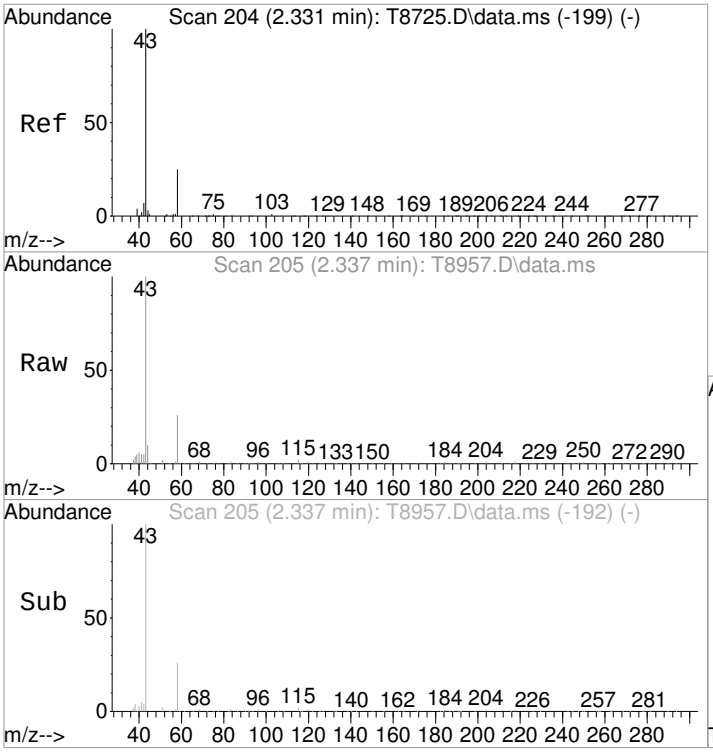
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8957.D
Acq On : 23 Sep 2021 4:50 pm
Operator : F.NAEGLER
Sample : R2109571-010|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 14:50:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



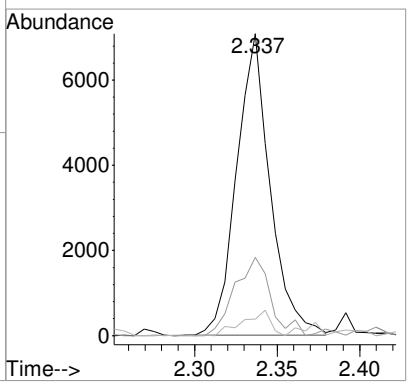
1st FJ 09/24/21
2nd 09/24/21

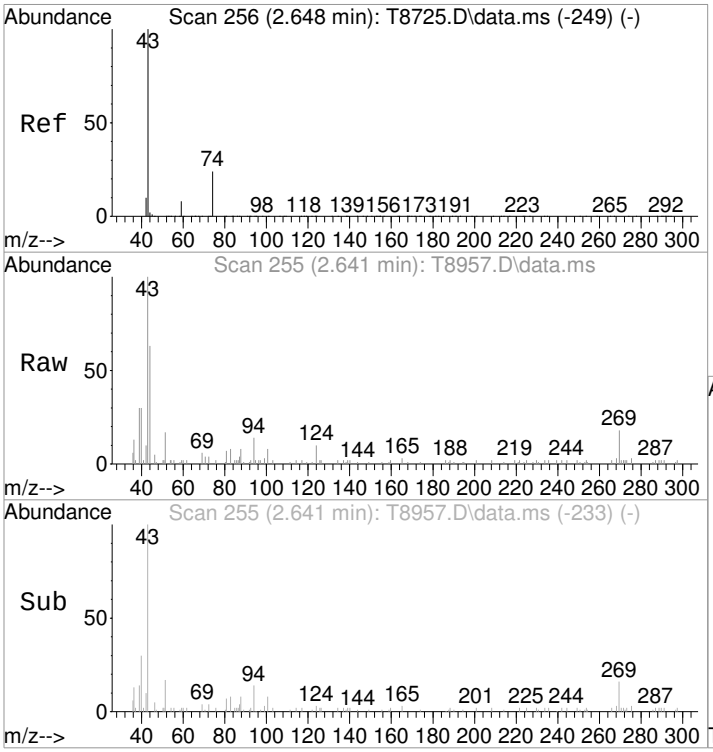


#15
Acetone
Concen: 6.48 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T8957.D
Acq: 23 Sep 2021 4:50 pm

Tgt Ion: 43 Resp: 9961

Ion	Ratio	Lower	Upper
43	100		
58	25.9	4.9	44.9
42	5.5	0.0	27.1

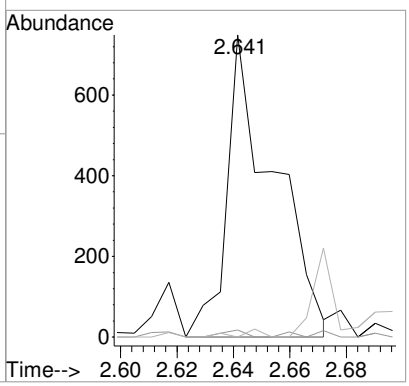


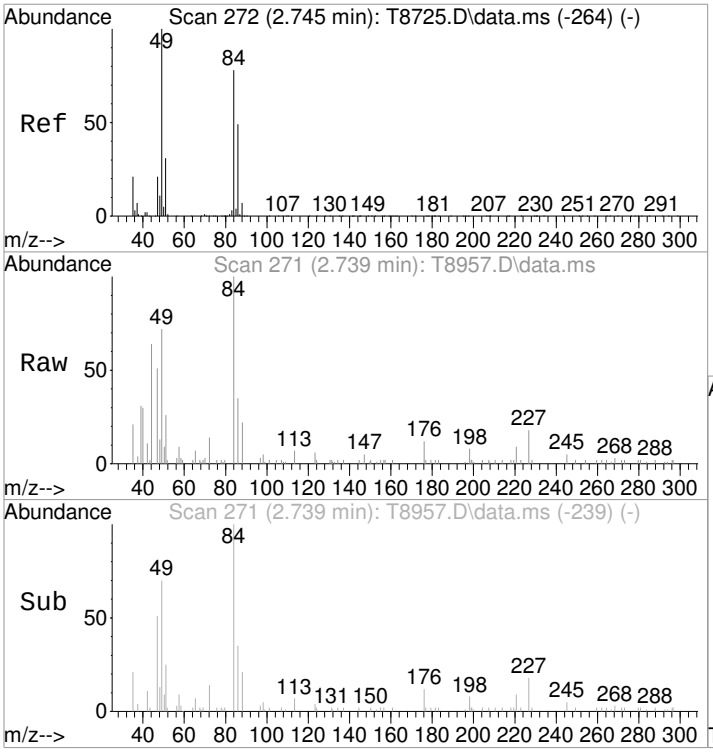


#21
Methyl Acetate
Concen: 0.23 ug/L m
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T8957.D
Acq: 23 Sep 2021 4:50 pm

Tgt Ion: 43 Resp: 863

Ion	Ratio	Lower	Upper
43	100		
59	2.4	0.0	28.2
74	0.0	4.4	44.4#

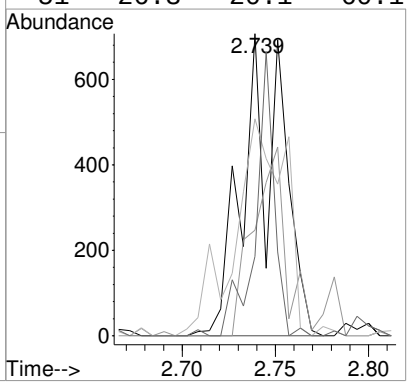


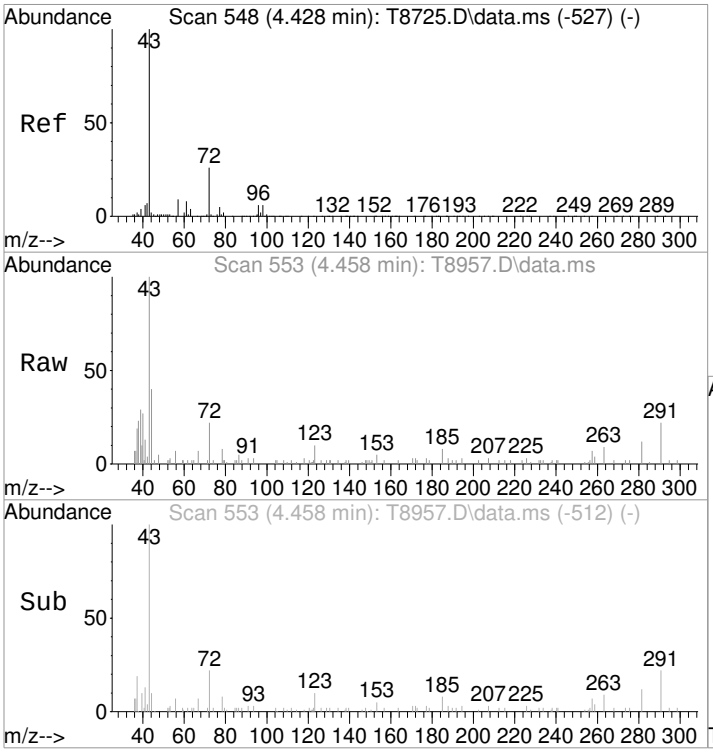


#22
Methylene Chloride
Concen: 0.30 ug/L m
RT: 2.739 min Scan# 271
Delta R.T. -0.006 min
Lab File: T8957.D
Acq: 23 Sep 2021 4:50 pm

Tgt Ion: 84 Resp: 1011

Ion	Ratio	Lower	Upper
84	100		
86	34.9	43.2	83.2#
49	71.9	109.0	149.0#
51	26.3	20.1	60.1

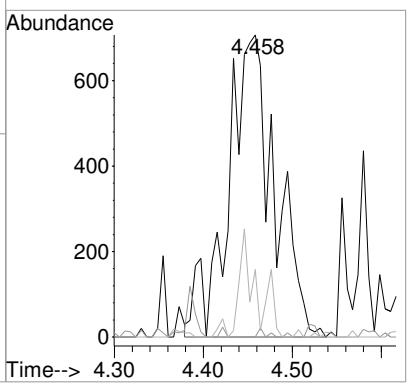




#34
2-Butanone
Concen: 1.16 ug/L
RT: 4.458 min Scan# 553
Delta R.T. 0.030 min
Lab File: T8957.D
Acq: 23 Sep 2021 4:50 pm

Tgt Ion: 43 Resp: 2591

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.5
72	22.3	6.2	46.2



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8948.D
Acq On : 23 Sep 2021 1:23 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 14:35:15 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\E041821.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

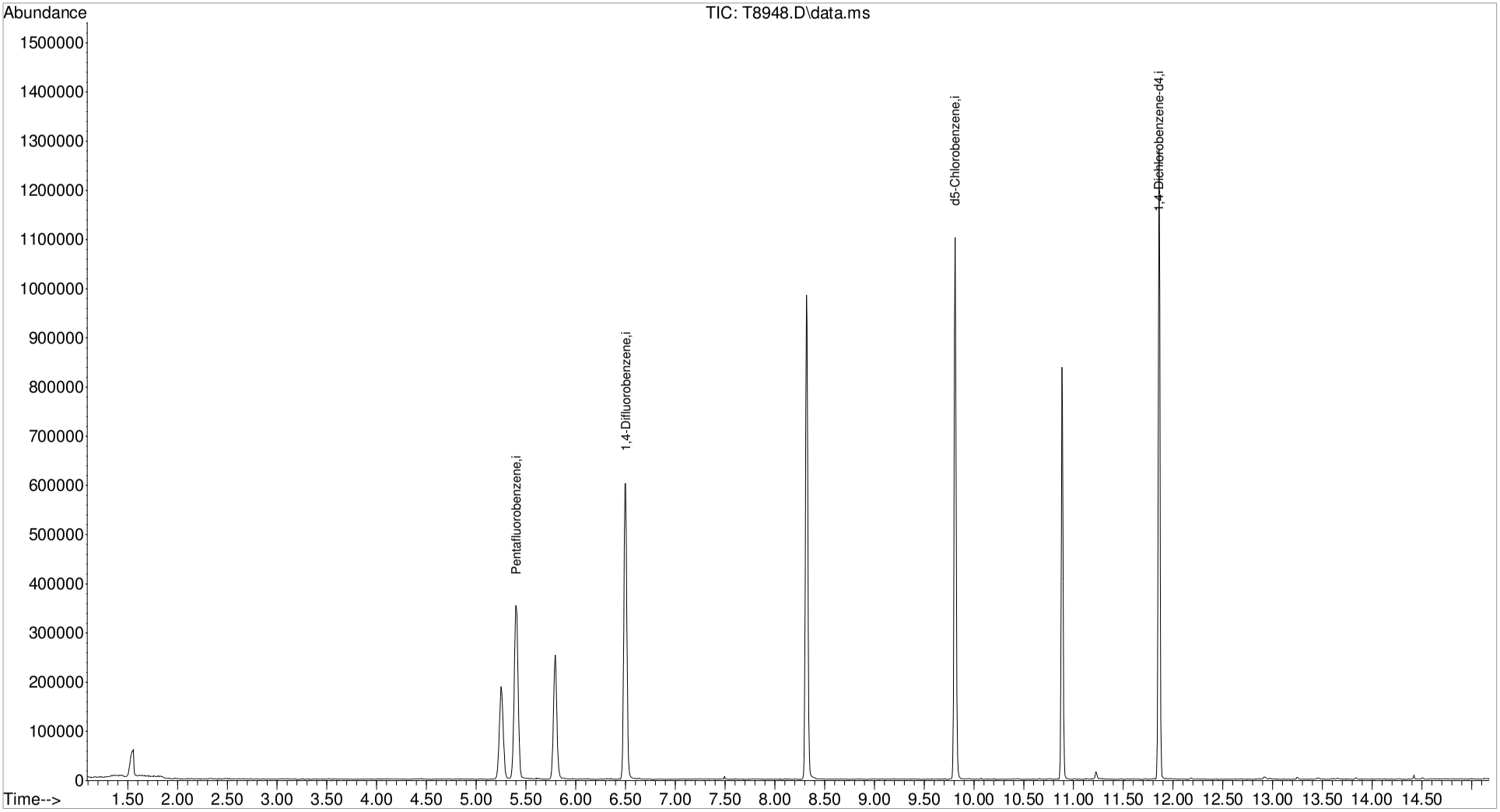
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	329109	50.00	ug/L	0.01
3) 1,4-Difluorobenzene	6.500	114	532478	50.00	ug/L	0.01
7) d5-Chlorobenzene	9.811	117	492458	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	237412	50.00	ug/L	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8948.D
Acq On : 23 Sep 2021 1:23 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 14:35:15 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\E041821.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration



1st FJ 09/24/21
2nd 09/24/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8948.D
Acq On : 23 Sep 2021 1:23 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 14:34:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

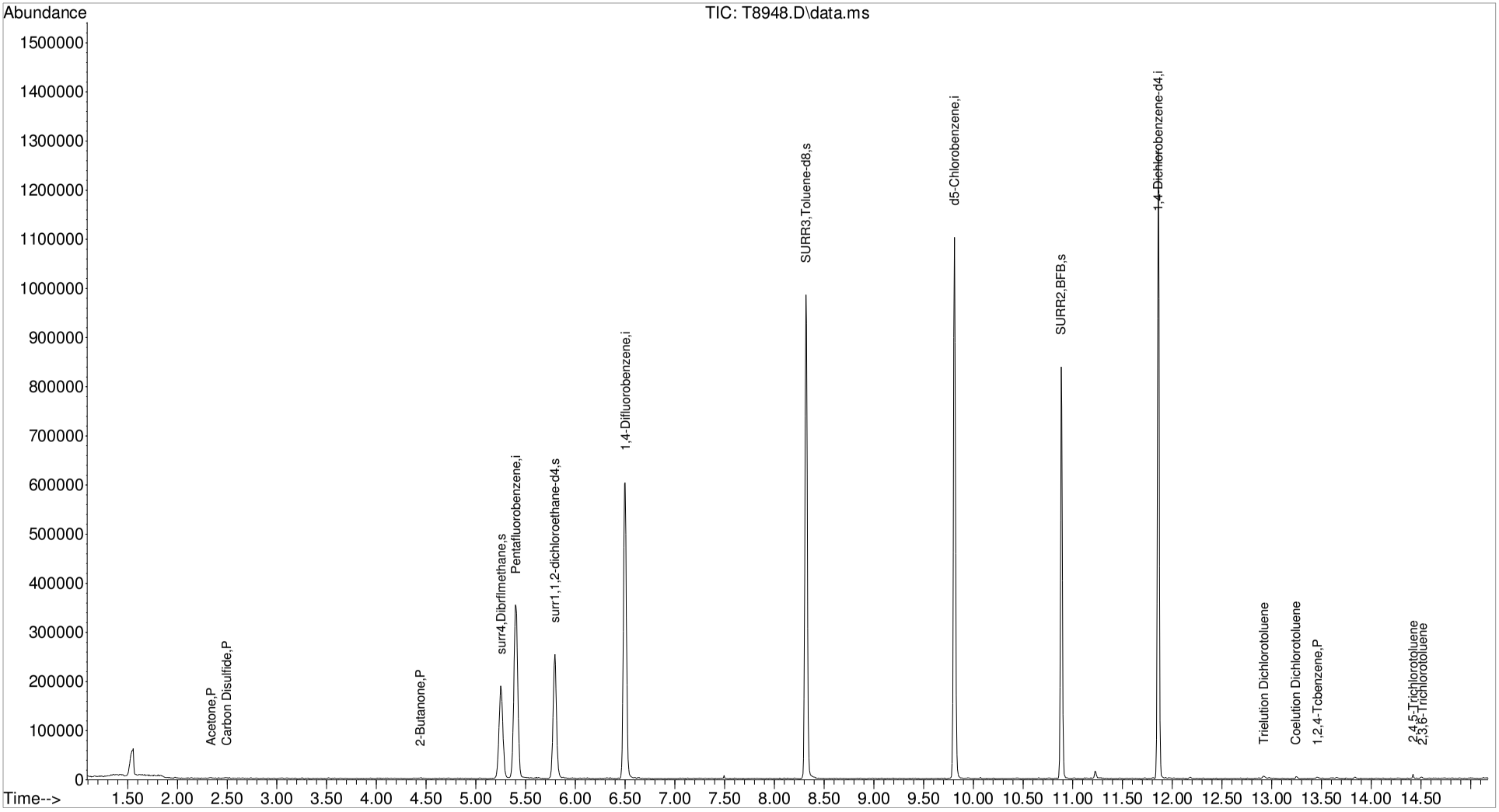
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	329109	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	532478	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	492497	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	237412	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	153269	51.56	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.12%				
46) surr1,1,2-dichloroetha...	5.793	65	206489	53.55	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.10%				
64) SURR3,Toluene-d8	8.317	98	609525	50.74	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.48%				
69) SURR2,BFB	10.884	95	207987	46.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.30%				
Target Compounds							Qvalue
15) Acetone	2.337	43	1552	1.02	ug/L		77
18) Carbon Disulfide	2.495	76	1297	0.21	ug/L		92
34) 2-Butanone	4.440	43	1584	0.71	ug/L	#	64
111) Trielution Dichlorotol...	12.920	125	2631	0.55	ug/L		90
113) Coelution Dichlorotoluene	13.243	125	1495	0.28	ug/L		78
114) 1,2,4-Tcbenzene	13.456	180	845	0.23	ug/L	#	41
115) Hexachlorobt	13.590	225	260	Below Cal		#	28
118) 2,4,5-Trichlorotoluene	14.420	159	558	0.24	ug/L	#	83
119) 2,3,6-Trichlorotoluene	14.511	159	572	0.27	ug/L	#	54

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

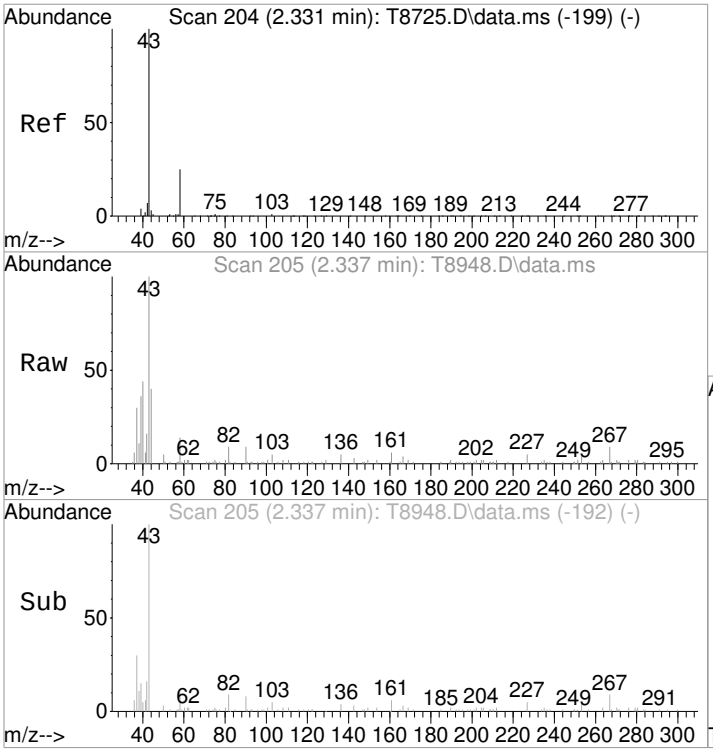
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8948.D
Acq On : 23 Sep 2021 1:23 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 14:34:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



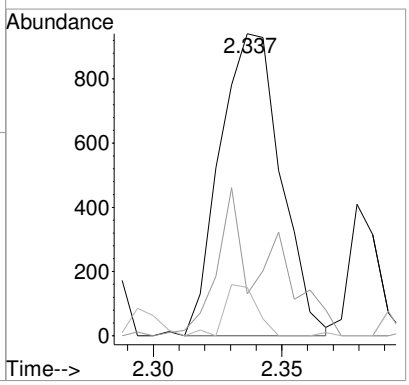
1st FJ 09/24/21
2nd 09/24/21

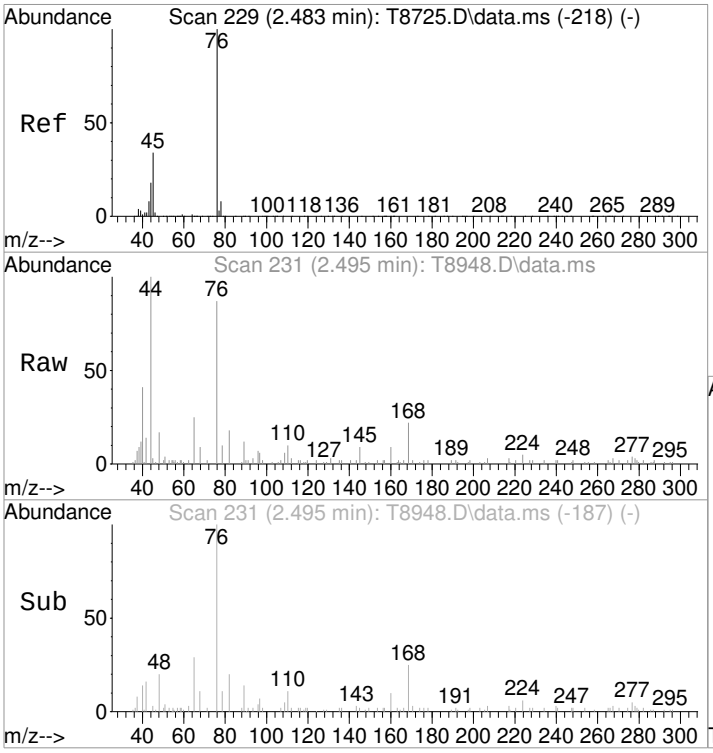


#15
Acetone
Concen: 1.02 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion: 43 Resp: 1552

Ion	Ratio	Lower	Upper
43	100		
58	13.9	4.9	44.9
42	15.9	0.0	27.1

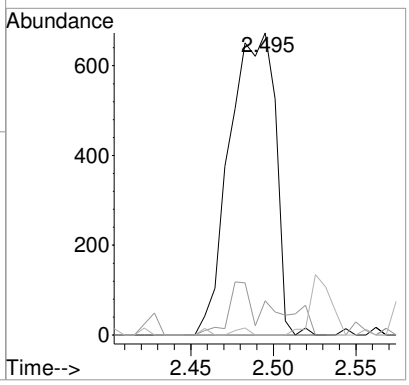


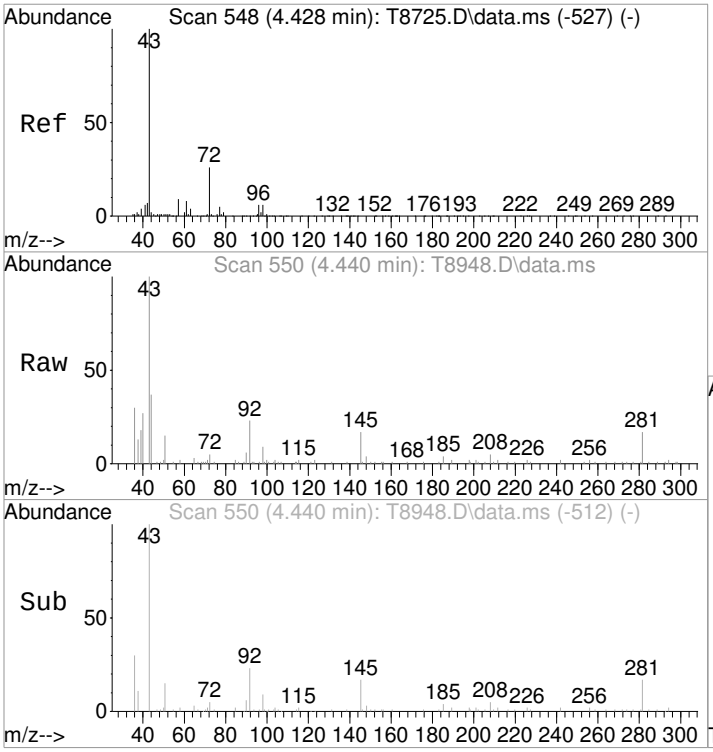


#18
Carbon Disulfide
Concen: 0.21 ug/L
RT: 2.495 min Scan# 231
Delta R.T. 0.012 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion: 76 Resp: 1297

Ion	Ratio	Lower	Upper
76	100		
78	11.3	0.0	28.4
77	0.0	0.0	22.7

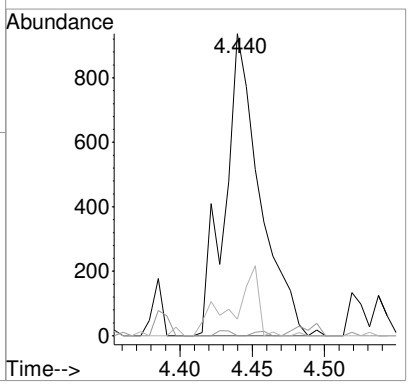


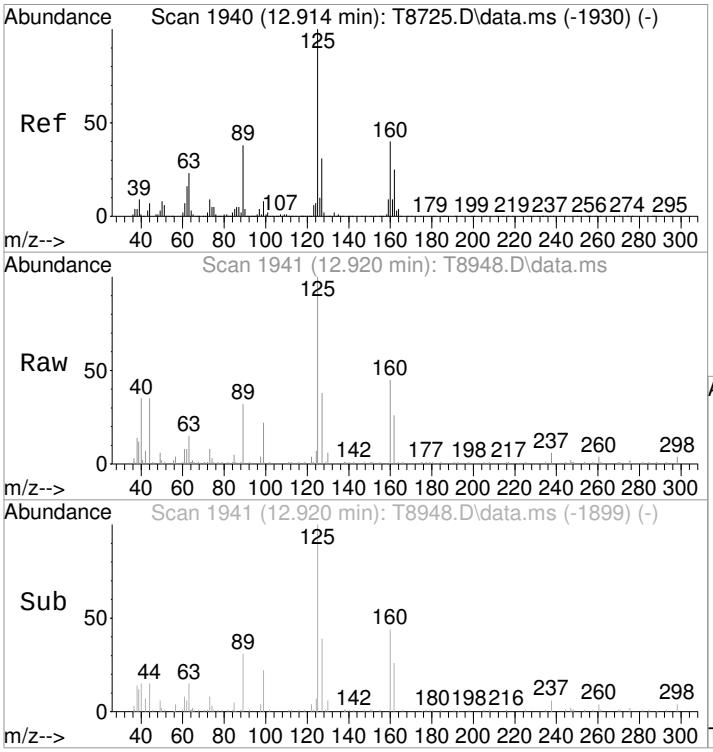


#34
2-Butanone
Concen: 0.71 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion: 43 Resp: 1584

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.5
72	5.4	6.2	46.2#

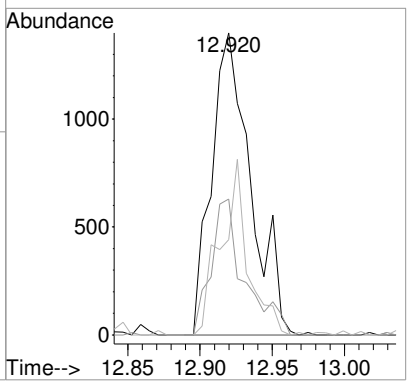


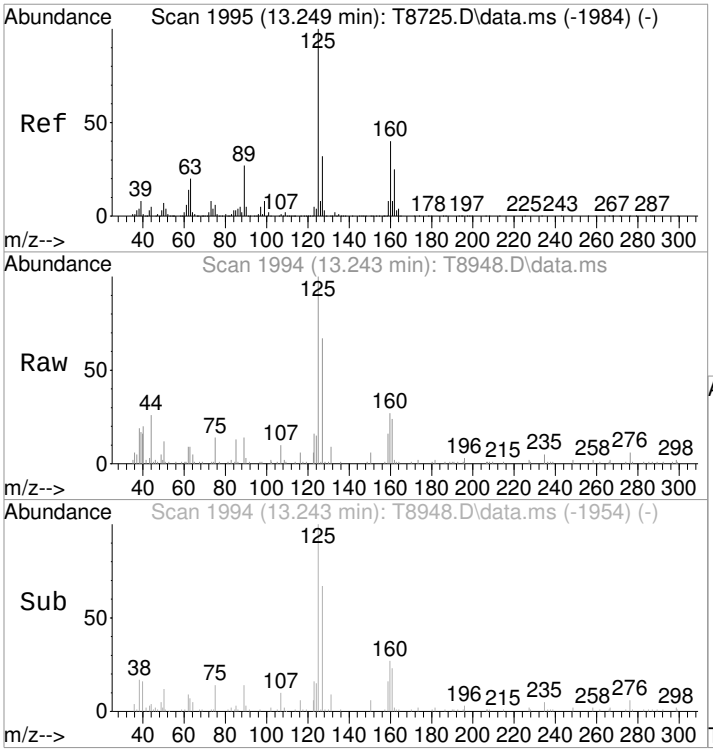


#111
Trielution Dichlorotoluene
Concen: 0.55 ug/L
RT: 12.920 min Scan# 1941
Delta R.T. 0.006 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:125 Resp: 2631

Ion	Ratio	Lower	Upper
125	100		
160	45.0	19.9	59.9
89	31.6	18.2	58.2

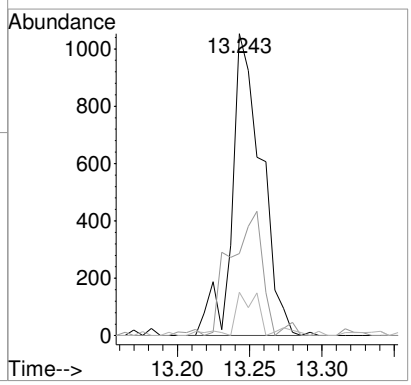


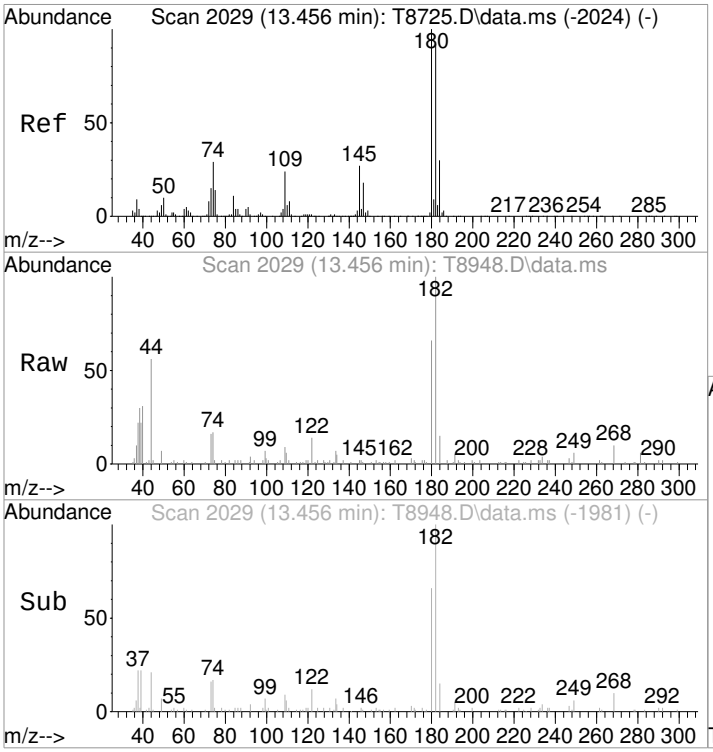


#113
Coelution Dichlorotoluene
Concen: 0.28 ug/L
RT: 13.243 min Scan# 1994
Delta R.T. -0.006 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:125 Resp: 1495

Ion	Ratio	Lower	Upper
125	100		
160	27.2	19.6	59.6
89	14.3	7.5	47.5

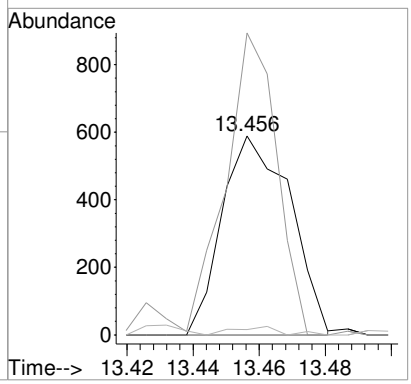


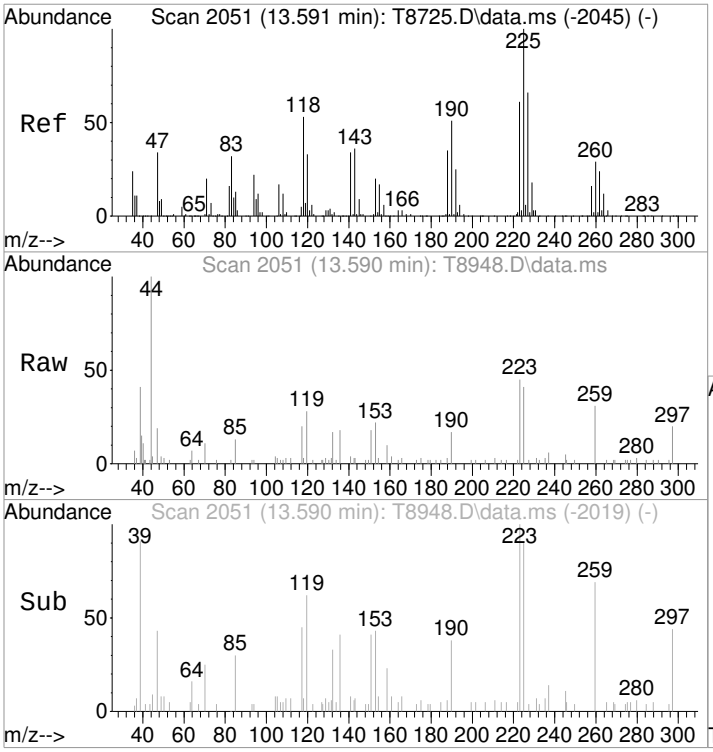


#114
1,2,4-Tcbenzene
Concen: 0.23 ug/L
RT: 13.456 min Scan# 2029
Delta R.T. -0.000 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:180 Resp: 845

Ion	Ratio	Lower	Upper
180	100		
182	151.8	71.7	111.7#
145	2.7	6.8	46.8#

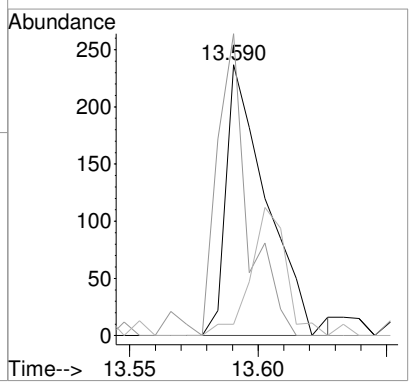


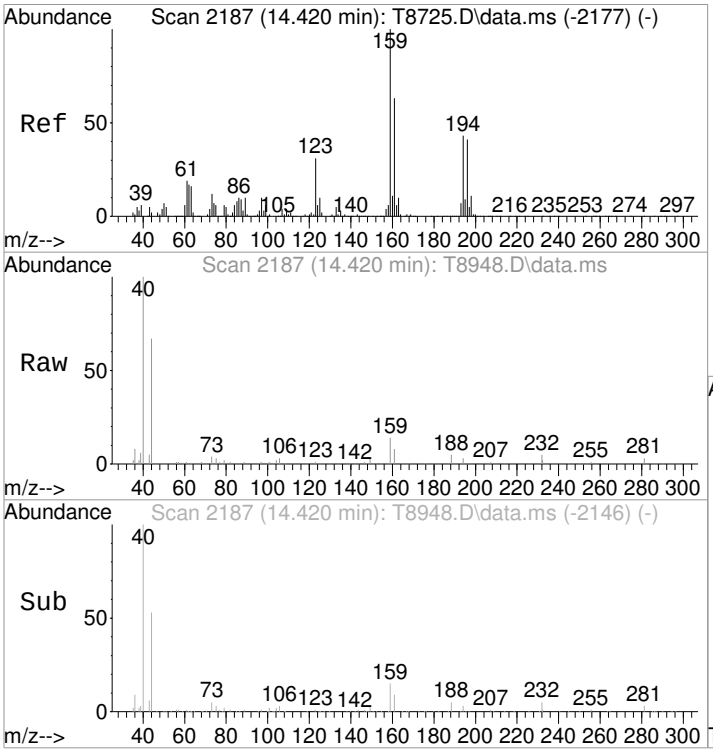


#115
Hexachlorobt
Concen: Below Cal
RT: 13.590 min Scan# 2051
Delta R.T. 0.000 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:225 Resp: 260

Ion	Ratio	Lower	Upper
225	100		
223	111.4	41.1	81.1#
227	4.2	45.6	85.6#

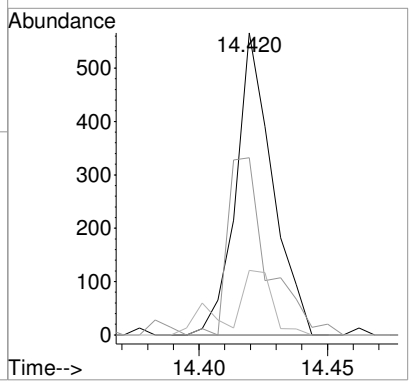


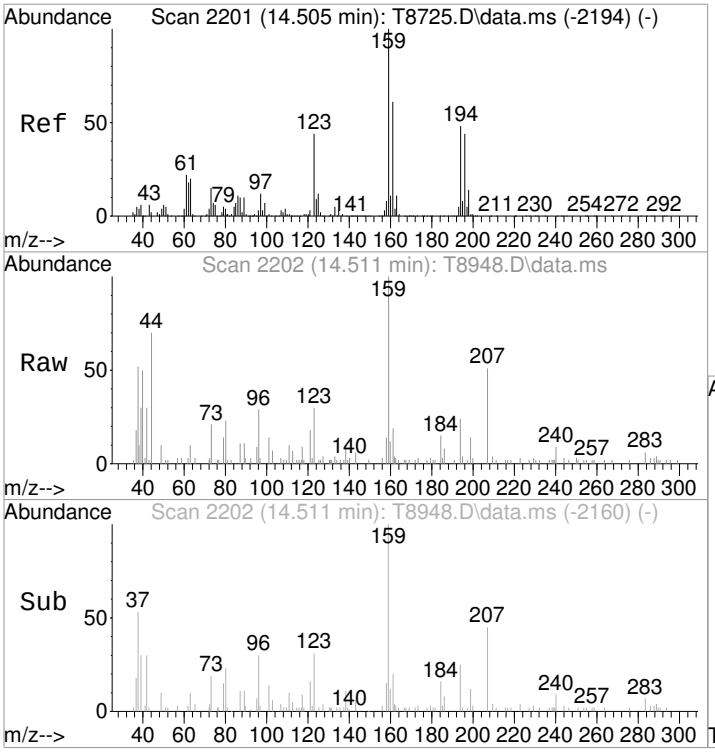


#118
2,4,5-Trichlorotoluene
Concen: 0.24 ug/L
RT: 14.420 min Scan# 2187
Delta R.T. -0.000 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:159 Resp: 558

Ion	Ratio	Lower	Upper
159	100		
161	58.7	42.7	82.7
194	21.4	23.1	63.1#

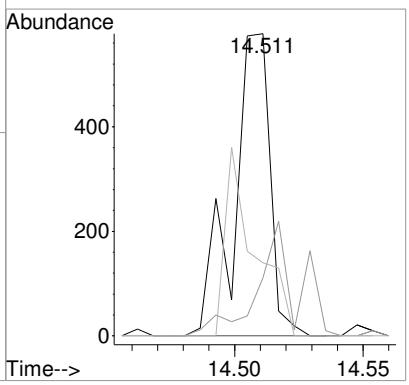




#119
2,3,6-Trichlorotoluene
Concen: 0.27 ug/L
RT: 14.511 min Scan# 2202
Delta R.T. 0.006 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:159 Resp: 572

Ion	Ratio	Lower	Upper
159	100		
161	19.2	40.6	80.6#
194	24.2	28.1	68.1#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8945.D
Acq On : 23 Sep 2021 12:00 pm
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:35:32 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	344546	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	559421	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	511234	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	263344	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	165610	53.02	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.04%				
46) surr1,1,2-dichloroetha...	5.793	65	211460	52.20	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.40%				
64) SURR3,Toluene-d8	8.317	98	648201	51.36	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.72%				
69) SURR2,BFB	10.884	95	232260	49.59	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.18%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	93304	25.13	ug/L		97
3) Chloromethane	1.282	50	101729	24.86	ug/L		100
4) Vinyl Chloride	1.361	62	102246	23.33	ug/L		96
5) Bromomethane	1.587	94	77101	14.24	ug/L		100
6) Chloroethane	1.672	64	65101	22.21	ug/L		91
7) Freon 21	1.818	67	152059	19.26	ug/L		94
8) Trichlorofluoromethane	1.867	101	117760	23.15	ug/L		98
9) Diethyl Ether	2.099	59	62599	21.25	ug/L		94
10) Freon 123a	2.105	67	84227	22.27	ug/L		99
11) Freon 123	2.160	83	86268	20.50	ug/L		96
12) Acrolein	2.203	56	34815	48.58	ug/L		93
13) 1,1-Diclethene	2.288	96	60795	21.56	ug/L		96
14) Freon 113	2.294	101	62248	23.22	ug/L		97
15) Acetone	2.331	43	28496	17.86	ug/L		95
16) 2-Propanol	2.465	45	104385	307.95	ug/L		96
17) Iodomethane	2.422	142	89629	22.96	ug/L		93
18) Carbon Disulfide	2.483	76	161366	24.78	ug/L		96
19) Acetonitrile	2.580	41	56869	94.90	ug/L		93
20) Allyl Chloride	2.623	76	32775	20.17	ug/L	#	89
21) Methyl Acetate	2.648	43	83633	21.66	ug/L		94
22) Methylene Chloride	2.739	84	73416	21.06	ug/L		97
23) TBA	2.867	59	168072	314.08	ug/L		95
24) Acrylonitrile	2.995	53	168308	100.48	ug/L		100
25) Methyl-t-Butyl Ether	3.044	73	225164	20.40	ug/L		98
26) trans-1,2-Dichloroethene	3.038	96	65934	21.20	ug/L		96
27) 1,1-Diclethane	3.538	63	123589	21.69	ug/L		97
28) Vinyl Acetate	3.629	86	10145	15.15	ug/L	#	62
29) DIPE	3.660	45	225731	21.38	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.660	53	99670	22.77	ug/L		96
31) ETBE	4.196	59	194247	19.65	ug/L		98
32) 2,2-Dichloropropane	4.373	77	85277	19.35	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	78117	22.00	ug/L		93
34) 2-Butanone	4.434	43	45310	19.52	ug/L		98
35) Propionitrile	4.501	54	66158	95.86	ug/L		100
36) Bromochloromethane	4.769	130	48138	20.99	ug/L	#	82
37) Methacrylonitrile	4.781	67	34648	19.92	ug/L		87
38) Tetrahydrofuran	4.867	42	26011	18.01	ug/L		83
39) Chloroform	4.958	83	123133	21.59	ug/L		96
40) 1,1,1-Trichloroethane	5.263	97	92200	20.30	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8945.D
Acq On : 23 Sep 2021 12:00 pm
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:35:32 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	60168	17.88	ug/L		95
44) Carbontetrachloride	5.537	117	63895	16.30	ug/L		90
45) 1,1-Dichloropropene	5.556	75	87627	20.96	ug/L		97
47) Benzene	5.872	78	269774	20.53	ug/L		97
48) 1,2-Dichloroethane	5.915	62	100199	19.64	ug/L		95
49) Iso-Butyl Alcohol	5.885	43	62729	276.91	ug/L		90
50) TAME	6.110	73	204524	20.09	ug/L		97
51) n-Heptane	6.366	43	80352	21.50	ug/L		97
52) 1-Butanol	6.860	56	88629	793.51	ug/L		97
53) Trichloroethene	6.824	130	67303	20.69	ug/L		90
54) Methylcyclohexane	7.061	55	78412	20.30	ug/L		96
55) 1,2-Diclpropane	7.104	63	67198	18.53	ug/L		97
56) Dibromomethane	7.250	93	45507	19.15	ug/L		98
57) 1,4-Dioxane	7.305	88	23274	367.33	ug/L		89
58) Methyl Methacrylate	7.336	69	56947	19.26	ug/L		91
59) Bromodichloromethane	7.476	83	85089	19.99	ug/L		95
60) 2-Nitropropane	7.762	41	22097	20.61	ug/L		85
61) 2-Chloroethylvinyl Ether	7.884	63	43761	18.41	ug/L		96
62) cis-1,3-Dichloropropene	8.018	75	95142	18.09	ug/L		95
63) 4-Methyl-2-pentanone	8.226	43	80719	17.93	ug/L		98
65) Toluene	8.390	91	295590	20.89	ug/L		96
66) trans-1,3-Dichloropropene	8.659	75	85641	18.07	ug/L		95
67) Ethyl Methacrylate	8.805	69	81459	16.27	ug/L		93
68) 1,1,2-Trichloroethane	8.848	97	64833	19.99	ug/L		97
71) Tetrachloroethene	8.982	164	49069	21.12	ug/L		96
72) 2-Hexanone	9.140	43	56654	17.83	ug/L		96
73) 1,3-Dichloropropane	9.018	76	111530	20.33	ug/L		98
74) Dibromochloromethane	9.244	129	51978	17.15	ug/L		97
75) N-Butyl Acetate	9.299	43	110562	16.46	ug/L		96
76) 1,2-Dibromoethane	9.341	107	67517	20.92	ug/L		94
77) 3-Chlorobenzotrifluoride	9.853	180	89643	21.01	ug/L		92
78) Chlorobenzene	9.835	112	183572	20.95	ug/L		96
79) 4-Chlorobenzotrifluoride	9.908	180	78852	20.62	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.927	131	54417	18.38	ug/L		93
81) Ethylbenzene	9.957	106	97769	21.10	ug/L		97
82) (m+p)Xylene	10.067	106	243525	44.17	ug/L		95
83) o-Xylene	10.427	106	119695	21.36	ug/L		94
84) Styrene	10.439	104	202663	21.26	ug/L		94
85) Bromoform	10.591	173	29859	16.15	ug/L		99
86) 2-Chlorobenzotrifluoride	10.670	180	85694	20.16	ug/L		91
87) Isopropylbenzene	10.762	105	295237	22.31	ug/L		96
88) Cyclohexanone	10.823	55	160788	243.71	ug/L		100
89) trans-1,4-Dichloro-2-B...	11.073	53	16998	16.22	ug/L	#	75
91) 1,1,2,2-Tetrachloroethane	11.018	83	90189	19.61	ug/L		94
92) Bromobenzene	11.006	156	74706	20.82	ug/L		97
93) 1,2,3-Trichloropropane	11.048	110	26574	18.26	ug/L		97
94) n-Propylbenzene	11.115	91	359720	22.48	ug/L		100
95) 2-Chlorotoluene	11.182	91	208527	20.73	ug/L		97
96) 3-Chlorotoluene	11.231	91	229010	23.00	ug/L		97
97) 4-Chlorotoluene	11.274	91	238279	21.32	ug/L		99
98) 1,3,5-Trimethylbenzene	11.268	105	259094	22.17	ug/L		97
99) tert-Butylbenzene	11.542	119	212697	21.74	ug/L		96
100) 1,2,4-Trimethylbenzene	11.579	105	254490	21.81	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.640	214	66547	20.80	ug/L		94
102) sec-Butylbenzene	11.725	105	314906	22.60	ug/L		98
103) p-Isopropyltoluene	11.847	119	264286	22.34	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8945.D
Acq On : 23 Sep 2021 12:00 pm
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:35:32 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

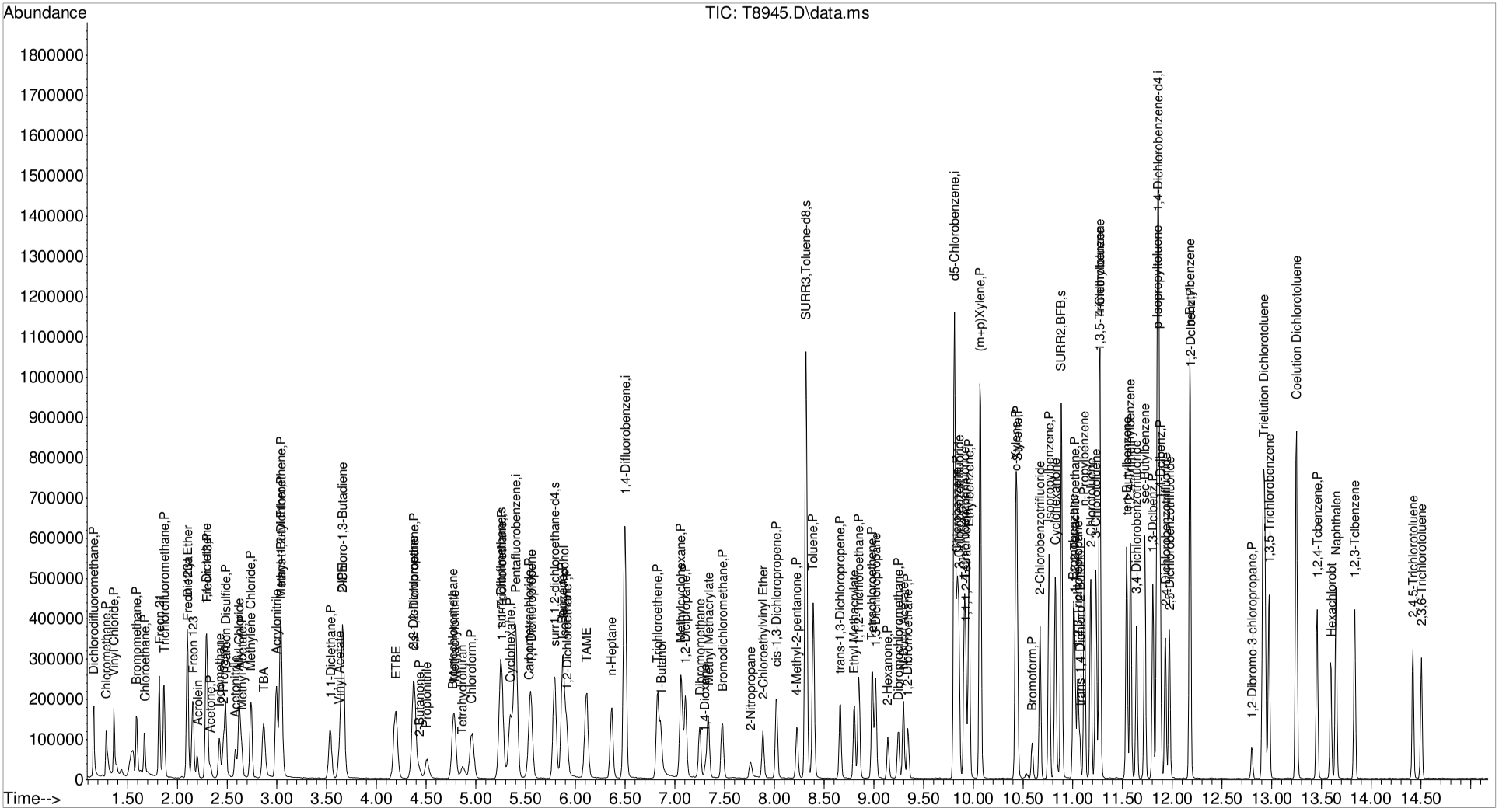
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	146428	21.44	ug/L	100
105) 1,4-Dclbenz	11.877	146	148199	19.66	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.932	214	58240	20.60	ug/L	93
107) 2,5-Dichlorobenzotrifl...	11.975	214	65010	20.13	ug/L	96
108) n-Butylbenzene	12.176	91	248576	22.01	ug/L	100
109) 1,2-Dclbenz	12.182	146	146696	21.33	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.804	157	13760	16.37	ug/L	94
111) Trielution Dichlorotol...	12.920	125	374962	70.73	ug/L	94
112) 1,3,5-Trichlorobenzene	12.975	180	102902	22.71	ug/L	95
113) Coelution Dichlorotoluene	13.249	125	262251	44.87	ug/L	95
114) 1,2,4-Tcbenzene	13.456	180	93644	22.56	ug/L	92
115) Hexachlorobt	13.597	225	35927	25.58	ug/L	98
116) Naphthalen	13.645	128	275359	21.46	ug/L	100
117) 1,2,3-Tclbenzene	13.834	180	88642	20.51	ug/L	95
118) 2,4,5-Trichlorotoluene	14.420	159	64200	25.06	ug/L	97
119) 2,3,6-Trichlorotoluene	14.505	159	56436	24.15	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8945.D
Acq On : 23 Sep 2021 12:00 pm
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:35:32 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st FJ 09/23/21
2nd 09/24/21

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	126	0.00
2	P	Dichlorodifluoromethane	50.000	61.031	-22.1#	172	0.00
3	P	Chloromethane	50.000	49.735	0.5	142	0.00
4	P	Vinyl Chloride	50.000	50.293	-0.6	139	0.00
5	P	Bromomethane	50.000	39.816	20.4#	130	0.00
6	P	Chloroethane	50.000	45.941	8.1	133	0.00
7		Freon 21	50.000	48.899	2.2	167	0.00
8	P	Trichlorofluoromethane	50.000	59.428	-18.9	194	0.00
9		Diethyl Ether	50.000	49.568	0.9	129	0.00
10		Freon 123a	50.000	54.089	-8.2	170	0.00
11		Freon 123	50.000	54.589	-9.2	172	0.00
12		Acrolein	250.000	316.876	-26.8#	167	0.00
13		1,1-Diclethene	50.000	53.704	-7.4	162	0.00
14	P	Freon 113	50.000	58.246	-16.5	179	0.00
15	P	Acetone	50.000	46.204	7.6	131	0.00
16		2-Propanol	1000.000	850.711	14.9	112	0.00
17		Iodomethane	50.000	62.094	-24.2#	172	0.00
18	P	Carbon Disulfide	50.000	64.439	-28.9#	190	0.00
19		Acetonitrile	250.000	236.272	5.5	108	0.00
20		Allyl Chloride	50.000	53.821	-7.6	144	0.00
21	P	Methyl Acetate	50.000	43.000	14.0	118	0.00
22	P	Methylene Chloride	50.000	51.348	-2.7	145	0.00
23		TBA	1000.000	805.889	19.4	105	0.00
24		Acrylonitrile	250.000	243.957	2.4	126	0.00
25	P	Methyl-t-Butyl Ether	50.000	51.045	-2.1	132	0.00
26	P	trans-1,2-Dichloroethene	50.000	53.572	-7.1	152	0.00
27	P	1,1-Diclethane	50.000	51.722	-3.4	139	0.00
28		Vinyl Acetate	50.000	53.730	-7.5	135	0.00
29		DIPE	50.000	49.585	0.8	129	0.00
30		2-Chloro-1,3-Butadiene	50.000	59.567	-19.1	175	0.00
31		ETBE	50.000	48.812	2.4	129	0.00
32		2,2-Dichloropropane	50.000	46.602	6.8	135	0.00
33	P	cis-1,2-Dichloroethene	50.000	51.455	-2.9	144	0.00
34	P	2-Butanone	50.000	50.565	-1.1	134	0.00
35		Propionitrile	250.000	240.031	4.0	127	0.00
36		Bromochloromethane	50.000	51.680	-3.4	139	0.00
37		Methacrylonitrile	50.000	49.323	1.4	123	0.00
38		Tetrahydrofuran	50.000	46.005	8.0	128	0.00
39	P	Chloroform	50.000	53.990	-8.0	143	0.00
40	P	1,1,1-Trichloroethane	50.000	49.368	1.3	141	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	132	0.00
42	P	Cyclohexane	50.000	46.773	6.5	153	-0.01
43	s	surr4,Dibrflmethane	50.000	54.612	-9.2	140	0.00
44	P	Carbontetrachloride	50.000	41.562	16.9	133	0.00
45		1,1-Dichloropropene	50.000	50.883	-1.8	159	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	52.340	-4.7	141	0.00
47	P	Benzene	50.000	51.550	-3.1	144	0.00
48	P	1,2-Dichloroethane	50.000	48.828	2.3	131	0.00
49		Iso-Butyl Alcohol	1000.000	737.467	26.3#	95	0.00
50		TAME	50.000	46.897	6.2	130	0.00
51		n-Heptane	50.000	53.883	-7.8	171	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.000	2055.473	17.8	99	0.00
53	P	Trichloroethene	50.000	52.661	-5.3	152	0.00
54	P	Methylcyclohexane	50.000	52.086	-4.2	171	0.00
55	P	1,2-Diclpropane	50.000	46.793	6.4	133	0.00
56		Dibromomethane	50.000	49.690	0.6	141	0.00
57		1,4-Dioxane	1000.000	1006.747	-0.7	132	0.00
58		Methyl Methacrylate	50.000	46.346	7.3	120	0.00
59	P	Bromodichloromethane	50.000	49.758	0.5	128	0.00
60		2-Nitropropane	100.000	53.090	46.9#	68	0.00
61		2-Chloroethylvinyl Ether	50.000	50.390	-0.8	130	0.00
62	P	cis-1,3-Dichloropropene	50.000	45.850	8.3	125	0.00
63	P	4-Methyl-2-pentanone	50.000	47.339	5.3	124	0.00
64	s	SURR3,Toluene-d8	50.000	52.919	-5.8	137	0.00
65	P	Toluene	50.000	51.974	-3.9	150	0.00
66	P	trans-1,3-Dichloropropene	50.000	45.469	9.1	116	0.00
67		Ethyl Methacrylate	50.000	48.943	2.1	124	0.00
68	P	1,1,2-Trichloroethane	50.000	51.282	-2.6	134	0.00
69	s	SURR2,BFB	50.000	54.275	-8.5	145	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	132	0.00
71	P	Tetrachloroethene	50.000	51.817	-3.6	162	0.00
72	P	2-Hexanone	50.000	48.252	3.5	122	0.00
73		1,3-Dichloropropane	50.000	49.555	0.9	130	0.00
74	P	Dibromochloromethane	50.000	45.721	8.6	119	0.00
75		N-Butyl Acetate	50.000	42.916	14.2	113	0.00
76	P	1,2-Dibromoethane	50.000	50.757	-1.5	127	0.00
77		3-Chlorobenzotrifluoride	50.000	51.740	-3.5	152	0.00
78	P	Chlorobenzene	50.000	50.438	-0.9	143	0.00
79		4-Chlorobenzotrifluoride	50.000	53.124	-6.2	160	0.00
80		1,1,1,2-Tetrachloroethane	50.000	44.797	10.4	120	0.00
81	P	Ethylbenzene	50.000	51.739	-3.5	148	0.00
82	P	(m+p)Xylene	100.000	110.114	-10.1	152	0.00
83	P	o-Xylene	50.000	53.579	-7.2	150	0.00
84	P	Styrene	50.000	52.133	-4.3	141	0.00
85	P	Bromoform	50.000	41.408	17.2	101	0.00
86		2-Chlorobenzotrifluoride	50.000	51.915	-3.8	150	0.00
87	P	Isopropylbenzene	50.000	54.117	-8.2	159	0.00
88		Cyclohexanone	1000.000	392.710	60.7#	50	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	43.266	13.5	111	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	140	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	46.874	6.3	131	0.00
92		Bromobenzene	50.000	49.519	1.0	141	0.00
93		1,2,3-Trichloropropane	50.000	46.166	7.7	133	0.00
94		n-Propylbenzene	50.000	52.332	-4.7	157	0.00
95		2-Chlorotoluene	50.000	50.032	-0.1	150	0.00
96		3-Chlorotoluene	50.000	52.628	-5.3	151	0.00
97		4-Chlorotoluene	50.000	50.804	-1.6	149	0.00
98		1,3,5-Trimethylbenzene	50.000	52.552	-5.1	153	0.00
99		tert-Butylbenzene	50.000	51.078	-2.2	162	0.00
100		1,2,4-Trimethylbenzene	50.000	52.577	-5.2	152	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	48.845	2.3	157	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.000	53.727	-7.5	164	0.00
103		p-Isopropyltoluene	50.000	56.107	-12.2	164	0.00
104	P	1,3-Dclbenz	50.000	51.621	-3.2	147	0.00
105	P	1,4-Dclbenz	50.000	49.127	1.7	147	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	50.477	-1.0	152	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	49.646	0.7	147	0.00
108		n-Butylbenzene	50.000	55.782	-11.6	163	0.00
109	P	1,2-Dclbenz	50.000	50.303	-0.6	137	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	42.424	15.2	109	0.00
111		Trielution Dichlorotoluene	150.000	166.292	-10.9	152	0.00
112		1,3,5-Trichlorobenzene	50.000	52.879	-5.8	151	0.00
113		Coelution Dichlorotoluene	100.000	109.973	-10.0	149	0.00
114	P	1,2,4-Tcbenzene	50.000	52.205	-4.4	137	0.00
115		Hexachlorobt	50.000	57.345	-14.7	164	0.00
116		Naphthalen	50.000	53.999	-8.0	131	0.00
117		1,2,3-Tclbenzene	50.000	50.396	-0.8	141	0.00
118		2,4,5-Trichlorotoluene	50.000	57.691	-15.4	150	0.00
119		2,3,6-Trichlorotoluene	50.000	57.058	-14.1	151	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	325327	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	532208	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	498205	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	286494	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	162269	54.61	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 109.22%			
46) surr1,1,2-dichloroetha...	5.793	65	201731	52.34	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.68%			
64) SURR3,Toluene-d8	8.317	98	635374	52.92	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 105.84%			
69) SURR2,BFB	10.884	95	241857	54.27	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 108.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	213993	61.03	ug/L	97
3) Chloromethane	1.288	50	192182	49.74	ug/L	95
4) Vinyl Chloride	1.361	62	208076	50.29	ug/L	100
5) Bromomethane	1.593	94	203508	39.82	ug/L	95
6) Chloroethane	1.672	64	127150	45.94	ug/L	93
7) Freon 21	1.818	67	364489	48.90	ug/L	99
8) Trichlorofluoromethane	1.867	101	285453	59.43	ug/L	98
9) Diethyl Ether	2.099	59	137902	49.57	ug/L	98
10) Freon 123a	2.105	67	193169	54.09	ug/L	97
11) Freon 123	2.154	83	216911	54.59	ug/L	96
12) Acrolein	2.202	56	214413	316.88	ug/L	99
13) 1,1-Diclethene	2.294	96	142958	53.70	ug/L	99
14) Freon 113	2.300	101	147451	58.25	ug/L	99
15) Acetone	2.336	43	69602	46.20	ug/L	94
16) 2-Propanol	2.465	45	272282	850.71	ug/L	99
17) Iodomethane	2.422	142	228836	62.09	ug/L	91
18) Carbon Disulfide	2.483	76	396215	64.44	ug/L	100
19) Acetonitrile	2.586	41	133688	236.27	ug/L	97
20) Allyl Chloride	2.623	76	82576	53.82	ug/L	92
21) Methyl Acetate	2.647	43	156754	43.00	ug/L	99
22) Methylene Chloride	2.739	84	169037	51.35	ug/L	95
23) TBA	2.867	59	407194	805.89	ug/L	96
24) Acrylonitrile	2.995	53	385855	243.96	ug/L	92
25) Methyl-t-Butyl Ether	3.044	73	531986	51.05	ug/L	95
26) trans-1,2-Dichloroethene	3.038	96	157287	53.57	ug/L	97
27) 1,1-Diclethane	3.537	63	278306	51.72	ug/L	96
28) Vinyl Acetate	3.623	86	33977	53.73	ug/L #	77
29) DIPE	3.659	45	494312	49.58	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.659	53	246233	59.57	ug/L	99
31) ETBE	4.190	59	455515	48.81	ug/L	97
32) 2,2-Dichloropropane	4.373	77	193963	46.60	ug/L	98
33) cis-1,2-Dichloroethene	4.379	96	172482	51.45	ug/L	91
34) 2-Butanone	4.428	43	110845	50.57	ug/L	98
35) Propionitrile	4.513	54	156418	240.03	ug/L	99
36) Bromochloromethane	4.781	130	111932	51.68	ug/L	90
37) Methacrylonitrile	4.775	67	81024	49.32	ug/L	85
38) Tetrahydrofuran	4.873	42	62747	46.01	ug/L	98
39) Chloroform	4.964	83	293242	53.99	ug/L	97
40) 1,1,1-Trichloroethane	5.263	97	211713	49.37	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.348	41	149708	46.77	ug/L	99
44) Carbontetrachloride	5.543	117	155033	41.56	ug/L	97
45) 1,1-Dichloropropene	5.555	75	202365	50.88	ug/L	99
47) Benzene	5.872	78	644451	51.55	ug/L	94
48) 1,2-Dichloroethane	5.915	62	237007	48.83	ug/L	97
49) Iso-Butyl Alcohol	5.891	43	158931	737.47	ug/L	89
50) TAME	6.110	73	454218	46.90	ug/L	98
51) n-Heptane	6.366	43	191614	53.88	ug/L	94
52) 1-Butanol	6.860	56	239520	2055.47	ug/L	92
53) Trichloroethene	6.823	130	162944	52.66	ug/L	98
54) Methylcyclohexane	7.061	55	191398	52.09	ug/L	96
55) 1,2-Diclpropane	7.110	63	161420	46.79	ug/L	100
56) Dibromomethane	7.244	93	112358	49.69	ug/L	88
57) 1,4-Dioxane	7.305	88	60685	1006.75	ug/L	90
58) Methyl Methacrylate	7.335	69	130376	46.35	ug/L	94
59) Bromodichloromethane	7.476	83	201479	49.76	ug/L	97
60) 2-Nitropropane	7.762	41	54161	53.09	ug/L	94
61) 2-Chloroethylvinyl Ether	7.884	63	113969	50.39	ug/L	99
62) cis-1,3-Dichloropropene	8.024	75	229421	45.85	ug/L	96
63) 4-Methyl-2-pentanone	8.226	43	202798	47.34	ug/L	98
65) Toluene	8.390	91	699491	51.97	ug/L	100
66) trans-1,3-Dichloropropene	8.658	75	205010	45.47	ug/L	99
67) Ethyl Methacrylate	8.805	69	233115	48.94	ug/L	91
68) 1,1,2-Trichloroethane	8.847	97	158252	51.28	ug/L	98
71) Tetrachloroethene	8.988	164	117329	51.82	ug/L	96
72) 2-Hexanone	9.140	43	149409	48.25	ug/L	93
73) 1,3-Dichloropropane	9.018	76	264919	49.56	ug/L	99
74) Dibromochloromethane	9.244	129	135054	45.72	ug/L	97
75) N-Butyl Acetate	9.299	43	280876	42.92	ug/L	97
76) 1,2-Dibromoethane	9.341	107	159622	50.76	ug/L	99
77) 3-Chlorobenzotrifluoride	9.853	180	215119	51.74	ug/L	91
78) Chlorobenzene	9.835	112	430741	50.44	ug/L	99
79) 4-Chlorobenzotrifluoride	9.908	180	197964	53.12	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.926	131	129225	44.80	ug/L	89
81) Ethylbenzene	9.957	106	233661	51.74	ug/L	95
82) (m+p)Xylene	10.067	106	591609	110.11	ug/L	98
83) o-Xylene	10.426	106	292593	53.58	ug/L	92
84) Styrene	10.439	104	501895	52.13	ug/L	98
85) Bromoform	10.591	173	79868	41.41	ug/L	81
86) 2-Chlorobenzotrifluoride	10.670	180	215079	51.92	ug/L	97
87) Isopropylbenzene	10.762	105	698040	54.12	ug/L	98
88) Cyclohexanone	10.823	55	252486	392.71	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.073	53	46752	43.27	ug/L	96
91) 1,1,2,2-Tetrachloroethane	11.018	83	234493	46.87	ug/L	100
92) Bromobenzene	11.006	156	193302	49.52	ug/L	99
93) 1,2,3-Trichloropropane	11.048	110	73089	46.17	ug/L	98
94) n-Propylbenzene	11.115	91	910862	52.33	ug/L	99
95) 2-Chlorotoluene	11.182	91	547530	50.03	ug/L	98
96) 3-Chlorotoluene	11.231	91	569979	52.63	ug/L	98
97) 4-Chlorotoluene	11.274	91	617604	50.80	ug/L	99
98) 1,3,5-Trimethylbenzene	11.268	105	668220	52.55	ug/L	98
99) tert-Butylbenzene	11.542	119	543548	51.08	ug/L	97
100) 1,2,4-Trimethylbenzene	11.579	105	667321	52.58	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.646	214	170021	48.85	ug/L	89
102) sec-Butylbenzene	11.725	105	814300	53.73	ug/L	99
103) p-Isopropyltoluene	11.847	119	722192	56.11	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

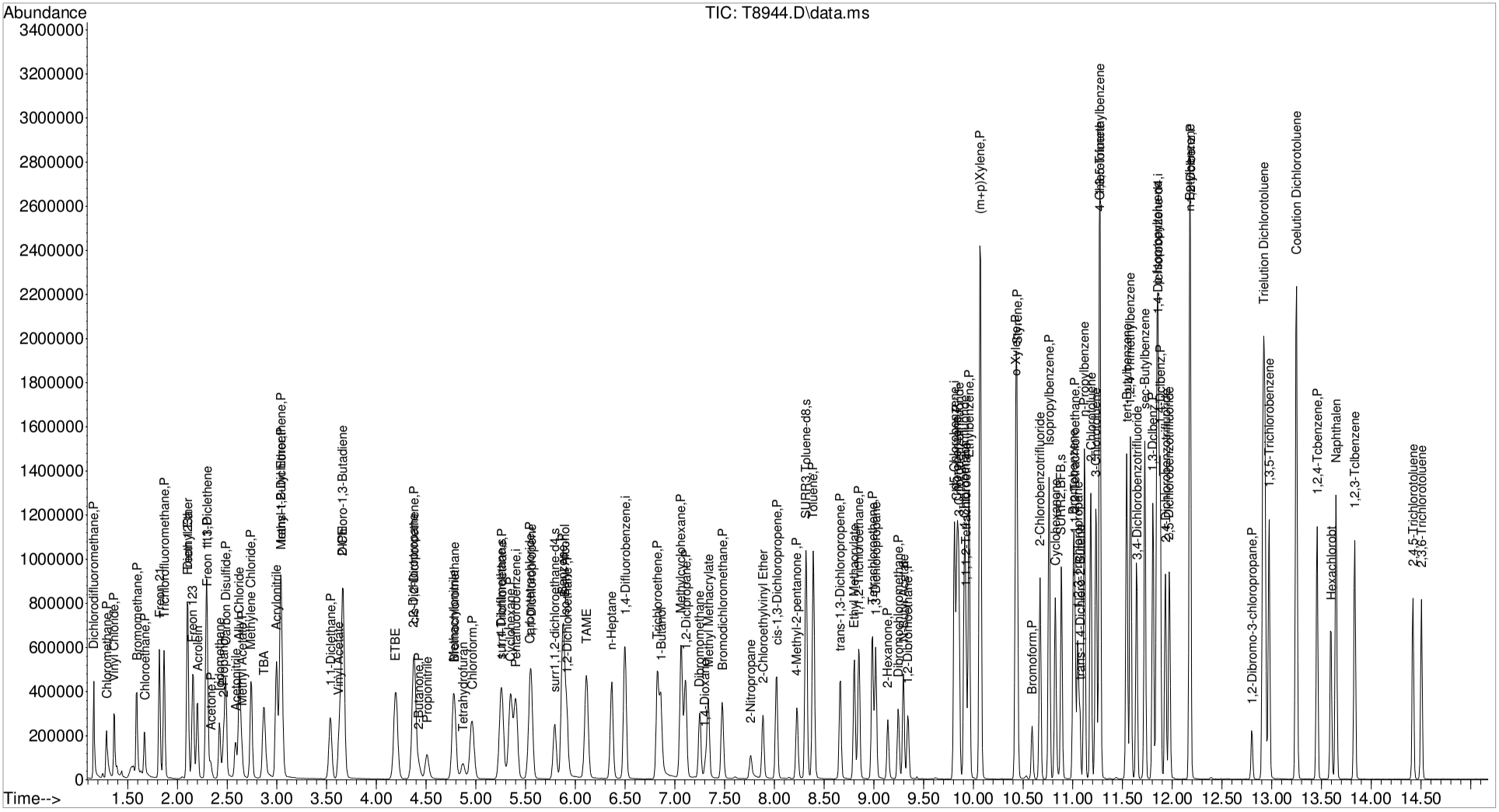
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	383589	51.62	ug/L	97
105) 1,4-Dclbenz	11.877	146	402852	49.13	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	155257	50.48	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.969	214	174449	49.65	ug/L	97
108) n-Butylbenzene	12.176	91	685338	55.78	ug/L	98
109) 1,2-Dclbenz	12.182	146	376344	50.30	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.804	157	38792	42.42	ug/L	90
111) Trielution Dichlorotol...	12.920	125	959111	166.29	ug/L	98
112) 1,3,5-Trichlorobenzene	12.975	180	260717	52.88	ug/L	95
113) Coelution Dichlorotoluene	13.249	125	699328	109.97	ug/L	98
114) 1,2,4-Tcbenzene	13.456	180	235755	52.20	ug/L	90
115) Hexachlorobt	13.596	225	89141	57.34	ug/L	97
116) Naphthalen	13.645	128	753625	54.00	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	236930	50.40	ug/L	100
118) 2,4,5-Trichlorotoluene	14.419	159	160785	57.69	ug/L	94
119) 2,3,6-Trichlorotoluene	14.505	159	145084	57.06	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



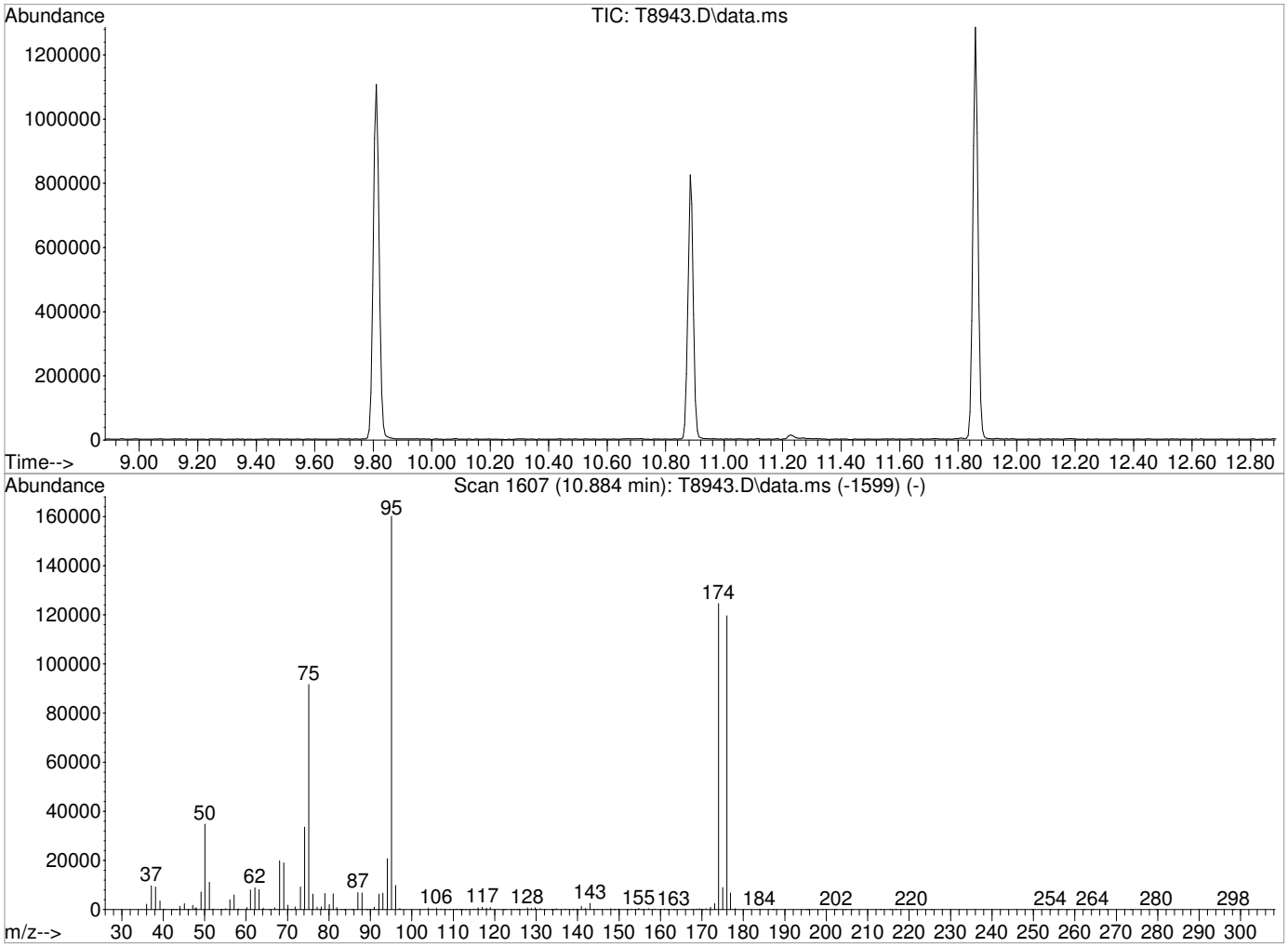
1st 09/23/21
2nd 09/24/21

1st FJ 09/23/21
2nd 09/24/21

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8943.D
Acq On : 23 Sep 2021 10:51 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Sep 08 09:35:19 2021



Spectrum Information: Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	34757	PASS
75	95	30	60	57.3	91704	PASS
95	95	100	100	100.0	160128	PASS
96	95	5	9	6.1	9782	PASS
173	174	0.00	2	2.0	2487	PASS
174	95	50	120	77.9	124664	PASS
175	174	5	9	7.2	9031	PASS
176	174	95	101	96.0	119696	PASS
177	176	5	9	5.7	6818	PASS

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2100120-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8720.D	09/02/2021 11:07
02	RC2100120-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8721.D	09/02/2021 11:28
03	RC2100120-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8722.D	09/02/2021 11:50
04	RC2100120-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8723.D	09/02/2021 12:12
05	RC2100120-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8724.D	09/02/2021 12:34
06	RC2100120-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8725.D	09/02/2021 12:56
07	RC2100120-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8726.D	09/02/2021 13:18
08	RC2100120-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8727.D	09/02/2021 13:39
09	RC2100120-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8728.D	09/02/2021 14:01

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6624	02	1.000	0.6055	03	2.000	0.661	04	5.000	0.6752
05	20.000	0.6793	06	50.000	0.5797	07	100.000	0.6291	08	150.000	0.6791
09	200.000	0.7606									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8021	02	1.000	0.7631	03	2.000	0.7483	04	5.000	0.9268
05	20.000	0.882	06	50.000	0.7719	07	100.000	0.8028	08	150.000	0.836
09	200.000	0.9098									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4283	02	1.000	0.4103	03	2.000	0.4014	04	5.000	0.4465
05	20.000	0.4339	06	50.000	0.3419	07	100.000	0.3705	08	150.000	0.3975
09	200.000	0.4517									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3993	05	20.000	0.3346	06	50.000	0.4137	07	100.000	0.4678
08	200.000	0.4777									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.2869	05	20.000	0.2494	06	50.000	0.2869	07	100.000	0.2863
08	200.000	0.2863									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2079	02	1.000	0.2423	03	2.000	0.237	04	5.000	0.2599
05	20.000	0.2349	06	50.000	0.1908	07	100.000	0.2026	08	150.000	0.2214
09	200.000	0.2485									

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.221	05	20.000	0.9852	06	50.000	1.151	07	100.000	1.162
08	200.000	1.12									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2628	02	1.000	0.275	03	2.000	0.2968	04	5.000	0.3201
05	20.000	0.3099	06	50.000	0.2649	07	100.000	0.2731	08	150.000	0.2971
09	200.000	0.3166									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5577	02	1.000	0.7592	03	2.000	0.5544	04	5.000	0.7043
05	20.000	0.6818	06	50.000	0.5782	07	100.000	0.5935	08	150.000	0.6444
09	200.000	0.6493									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5725	02	1.000	0.4886	03	2.000	0.4965	04	5.000	0.5435
05	20.000	0.5219	06	50.000	0.4619	07	100.000	0.4915	08	150.000	0.5018
09	200.000	0.5584									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4101	02	1.000	0.5067	03	2.000	0.4484	04	5.000	0.4393
05	20.000	0.4562	06	50.000	0.4006	07	100.000	0.4284	08	150.000	0.461
09	200.000	0.5103									

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

		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	7.9	≤20	0.6591	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.9	≤20	0.827	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	8.8	≤20	0.4091	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	13.8	≤20	0.4186	
Dibromofluoromethane	SURR	Average RF	% RSD	6.0	≤20	0.2792	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.1	≤20	0.2272	0.200
Toluene-d8	SURR	Average RF	% RSD	7.8	≤20	1.128	
Trichloroethene (TCE)	TRG	Average RF	% RSD	7.7	≤20	0.2907	0.200
Vinyl Chloride	TRG	Average RF	% RSD	11.1	≤20	0.6359	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	7.1	≤20	0.5152	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	8.4	≤20	0.4512	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2109571
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2100120-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\090221\T8732.D	09/02/2021 15:28

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.6	6.591E-1	5.747E-1	-12.812	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.6	8.27E-1	7.536E-1	-8.874	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	41.4	4.091E-1	3.388E-1	-17.177	±30	Average RF
Tetrachloroethene (PCE)	50.0	44.6	2.272E-1	2.025E-1	-10.886	±30	Average RF
Trichloroethene (TCE)	50.0	45.1	2.907E-1	2.621E-1	-9.827	±30	Average RF
Vinyl Chloride	50.0	49.9	6.359E-1	6.342E-1	-0.269	±30	Average RF
cis-1,2-Dichloroethene	50.0	45.2	5.152E-1	4.655E-1	-9.635	±30	Average RF
trans-1,2-Dichloroethene	50.0	43.3	4.512E-1	3.904E-1	-13.476	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.4	4.186E-1	4.304E-1	2.80	±30	Average RF
Dibromofluoromethane	50.0	51.4	2.792E-1	2.869E-1	2.77	±30	Average RF
Toluene-d8	50.0	51.2	1.128E0	1.155E0	2.39	±30	Average RF

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109571
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/23/21 11:24

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:	8260C	**Calibration Date:**	9/2/2021
File ID:	I:\ACQUDATA\msvoa10\data\092321\T8944.D\	**Calibration ID:**	RC2100120
Signal ID:	1	**Analysis Lot:**	739766
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.4	0.6591	0.6508	-1.3	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	51.7	0.827	0.8555	3.4	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	53.7	0.4091	0.4394	7.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	51.8	0.2272	0.2355	3.6	NA	±20	Average RF
Trichloroethene (TCE)	50.0	52.7	0.2907	0.3062	5.3	NA	±20	Average RF
Vinyl Chloride	50.0	50.3	0.6359	0.6396	0.6	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	51.5	0.5152	0.5302	2.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	53.6	0.4512	0.4835	7.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	54.3	0.4186	0.4544	8.5	NA	±20	Average RF
Dibromofluoromethane	50.0	54.6	0.2792	0.3049	9.2	NA	±20	Average RF
Toluene-d8	50.0	52.9	1.128	1.1938	5.8	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**739766
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092321\T8943.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	10:51:00	
I:\ACQUDATA\msvoa10\data\092321\T8944.D\	Continuing Calibration Verification	RQ2111832-02	9/23/2021	11:24:00	
I:\ACQUDATA\msvoa10\data\092321\T8945.D\	Lab Control Sample	RQ2111832-03	9/23/2021	12:00:00	
I:\ACQUDATA\msvoa10\data\092321\T8946.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	12:22:00	
I:\ACQUDATA\msvoa10\data\092321\T8947.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	12:55:00	
I:\ACQUDATA\msvoa10\data\092321\T8948.D\	Method Blank	RQ2111832-06	9/23/2021	13:23:00	
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I:\ACQUDATA\msvoa10\data\092321\T8951.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	14:40:00	
I:\ACQUDATA\msvoa10\data\092321\T8952.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	15:01:00	
I:\ACQUDATA\msvoa10\data\092321\T8953.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	15:23:00	
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I:\ACQUDATA\msvoa10\data\092321\T8955.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	16:07:00	
I:\ACQUDATA\msvoa10\data\092321\T8956.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	16:28:00	
I:\ACQUDATA\msvoa10\data\092321\T8957.D\	MP-12-091521	R2109571-010	9/23/2021	16:50:00	*
I:\ACQUDATA\msvoa10\data\092321\T8958.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	17:12:00	
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I:\ACQUDATA\msvoa10\data\092321\T8963.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	19:01:00	
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I:\ACQUDATA\msvoa10\data\092321\T8967.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	20:29:00	

Client: Verina Consulting Group, LLC **Service Request:**R2109571
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:739766
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092321 \T8968.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	20:50:00	

Analysis: 8260/624 | Analyst: F. Naegle | pH strips: 205521 | Tune Method: W090221.M | 504.1821.M

Date: 9/23/21 | Balance ID: — | ResCl strips: 102420 | Run Method: ↓

Instr. MS10 | 50 mL Class A used for dilution FV | Syringes: 177417 | 218709 | LIMS Run#: 739766

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	Resid Cl	RL	Tier	Vial	pH	File#	OK?	Comments
1	TUNE								T8943	Y	
1	CCV								44	Y	
2	LCS-UNP								45	Y	
3	LCS-FP								46	Y	
4	LCS-EK								47	Y	
5	MBLK-UNP								48	Y	
6	MBLK-FP								49	Y	
7	R2109831-002	10.0	5/50mL	neg	22669	2	1	(6)	50	(N)	Rpt 1/5
8	↓ -003	5.0	10/50mL	neg	↓	↓	1	(6)	51	Y	
9	R2109833-005	1.0		neg	14885	2	1	(5)	52	Y	
10	| -001	1.0		neg	|	|	1	(7)	53	Y	
11	| -002	1.0		neg	|	|	1	(7)	54	Y	
12	| -003	1.0		neg	|	|	1	(7)	55	Y	
13	↓ -004	1.0		neg	↓	↓	1	(7)	56	Y	
14	R2109571-010	10.0	5/50mL	—	7979	4	1	(6)	57	Y	Dark Matrix
15	R2109635-001	10.0	|	—	|	|	2	(6)	58	Y	↓
16	↓ -020	10.0	↓	—	↓	↓	2	(6)	59	Y	DL
17	R2109831-002	5.0	10/50mL	neg	22669	2	2	(6)	60	Y	
18	R2109499-003	1.0		—	22788	4	1	<2	61	Y	
19	↓ -004	1.0		—	↓	↓	1	<2	62	(N)	Rpt 1/1 CD hit
20	R2109452-004	1.0		—	8043	4	1	<2	63	Y	
21	| -001	1.0		—	|	|	1	<2	64	(Y)	Rpt 1/5
22	| -002	1.0		—	|	|	1	<2	65	(Y)	Rpt 1/20
23	↓ -003	1.0		—	↓	↓	1	<2	66	(Y)	Rpt 1/5
24	R2109744-001	1.0		—	18619	2	1	<2	67	(Y)	Rpt 1/2
25	↓ -002	1.0		—	↓	↓	1	<2	68	Y	
26	R2109452-001MS	1.0		—	8043	4	2	<2	69	(N)	Rpt 1/5
27	↓ -001MSD	1.0		—	↓	↓	3	<2	70	(N)	↓
28	BLK								71	Y	
29	↓								↓ 72	Y	
											FO 9/23/21

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

T/G Primary 500 : 219349 - 5uL | 50mL

HSL Primary : 218923 -

FF Primary : 219026 -

DCC Primary : 218147 - (CCV)

Primary :

FO 9/23/21 219385

FF Secondary 200 : 219105 - 5uL

T/G Secondary 500 : 219170 - 2uL

HSL Secondary : 219368 - 1

DCC Secondary : 218150 -

EK Secondary 200 : 219058 - 5uL

50mL (LCS)

-12.5uL -5uL | 50mL (SPK)

Combined IS/Surr — : —

Surrogate 50 : 219023

Internal Std 50 : 219024

Reagents: —

September 29, 2021 Service Request No:R2109635

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

Laboratory Results for: Dover - Kirkwood

Dear Ms.MacCarter,

Enclosed are the results of the sample(s) submitted to our laboratory September 18, 2021
For your reference, these analyses have been assigned our service request number **R2109635.**

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

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

Service Request: R2109635
Date Received: 09/17/2021 - 09/18/2021

CASE NARRATIVE

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

Sample Receipt:

Twenty two water samples were received for analysis at ALS Environmental on 09/17/2021 - 09/18/2021. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, R2109635-002: Sample(s) required dilution due to sample matrix (dark color). The reporting limits are adjusted to reflect the dilution.

Approved by _____ Date 09/29/2021

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-13-091621			Lab ID: R2109635-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	14		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	0.56	J	0.20	1.0	ug/L	8260C

CLIENT ID: MW-26-091621			Lab ID: R2109635-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	8.0		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	1.8		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	2.5		0.23	1.0	ug/L	8260C

CLIENT ID: MW-16-091621			Lab ID: R2109635-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	11		0.21	1.0	ug/L	8260C

CLIENT ID: MW-3-091621			Lab ID: R2109635-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	110		0.21	1.0	ug/L	8260C

CLIENT ID: MW-17-091621			Lab ID: R2109635-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	0.76	J	0.21	1.0	ug/L	8260C

CLIENT ID: MP-14-091621			Lab ID: R2109635-012			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	14		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	0.32	J	0.20	1.0	ug/L	8260C

CLIENT ID: MW-38-091621			Lab ID: R2109635-013			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	74		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	6.2		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	3.2		0.23	1.0	ug/L	8260C

CLIENT ID: MW-2-091621			Lab ID: R2109635-014			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	2.8		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	3.2		0.23	1.0	ug/L	8260C

CLIENT ID: MW-31-091621			Lab ID: R2109635-016			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.47	J	0.23	1.0	ug/L	8260C

CLIENT ID: MP-8S-091621			Lab ID: R2109635-017			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1-Dichloroethene (1,1-DCE)	0.40	J	0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	16		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	28		0.20	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: MP-8S-091621			Lab ID: R2109635-017			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Vinyl Chloride	0.62	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	71		0.23	1.0	ug/L	8260C
trans-1,2-Dichloroethene	3.7		0.20	1.0	ug/L	8260C

CLIENT ID: MP-6S-091621			Lab ID: R2109635-020			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	590	D	2.1	10	ug/L	8260C
Trichloroethene (TCE)	2.7		0.50	2.5	ug/L	8260C
cis-1,2-Dichloroethene	1.7	J	0.58	2.5	ug/L	8260C

CLIENT ID: MP-8D-091721			Lab ID: R2109635-021			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	0.85	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	0.24	J	0.20	1.0	ug/L	8260C

CLIENT ID: MW-27-091521			Lab ID: R2109635-023			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	0.65	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	1.5		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	16		0.23	1.0	ug/L	8260C

CLIENT ID: MP-3D-091721			Lab ID: R2109635-024			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.53	J	0.23	1.0	ug/L	8260C

Sample Receipt Information

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

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2109635-001	MP-11-091621	9/16/2021	0820
R2109635-002	MW-24-091621	9/16/2021	0835
R2109635-003	MW-13-091621	9/16/2021	0845
R2109635-004	MW-26-091621	9/16/2021	1045
R2109635-005	MW-22-091621	9/16/2021	1030
R2109635-006	FB-091621	9/16/2021	1050
R2109635-007	MW-16-091621	9/16/2021	1010
R2109635-008	Trip Blank-091621	9/16/2021	
R2109635-009	MW-7A-091621	9/16/2021	1150
R2109635-010	MW-3-091621	9/16/2021	1200
R2109635-011	MW-17-091621	9/16/2021	1200
R2109635-012	MP-14-091621	9/16/2021	1425
R2109635-013	MW-38-091621	9/16/2021	1350
R2109635-014	MW-2-091621	9/16/2021	1355
R2109635-015	MP-6D-091621	9/16/2021	1550
R2109635-016	MW-31-091621	9/16/2021	1145
R2109635-017	MP-8S-091621	9/16/2021	1620
R2109635-020	MP-6S-091621	9/16/2021	1810
R2109635-021	MP-8D-091721	9/17/2021	0815
R2109635-022	FB-091721	9/17/2021	0830
R2109635-023	MW-27-091521	9/15/2021	1145
R2109635-024	MP-3D-091721	9/17/2021	0905

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

060998

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name: Dover Kirkwood	Project Number: 5101.0002
Project Manager: Saran MacCarter	Report CC:
Company/Address: Verina Consulting Group 1011 US Highway 22, Suite 302 Bridgewater, NJ 08807	
Phone #: 908.864.4402	Email: smaccarter@vcg-llc.com
Sampler's Signature:	Sampler's Printed Name:

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1 | 0

Preservative Key: 0. NONE; 1. HCl; 2. HNO_3; 3. H_2SO_4; 4. NaOH; 5. Zn. Acetate; 6. MeOH; 7. $NaHSO_4$; 8. Other

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP TSPL	GC/MS SVOAs ◦ 8270 ◦ 625	GC VOAs ◦ 8021 ◦ 601/602	PESTICIDES ◦ 8081 ◦ 608	PCBs ◦ 8082 ◦ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	AC/MS VOAs ·124 ·624 CLP	REMARKS/ ALTERNATE DESCRIPTION
MP-11-091621		9/16/21	0820	GW	3								✓	
MW-24-091621			0835	GW									✓	
MW-13-091621			0845	GW		✓								
MW-26-091621			1045	GW		✓								
MW-22-091621			1030	GW		✓								
EB-091621			1050	FB		✓								
MW-16-091621			1010	GW									✓	
Trip Blank-091621			—	TB		✓								
MW-7A-091621			1150	GW									✓	
MW-3-091621			1200	GW									✓	
MW-17-091621			1200	GW		✓								

SPECIAL INSTRUCTIONS/COMMENTS

Metals

SSPL: PCE; TCE; cis-1,2-DCE; trans-1,2, DCE; 1,1,-DCA; 1,1,1-TCA; VC

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED: New York

TURNAROUND REQUIREMENTS

___ RUSH (SURCHARGES APPLY)

___ 1 day ___ 2 day ___ 3 day

✓ 4 day ___ 5 day

___ Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS

___ I. Results Only

✓ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

___ III. Results + QC and Calibration Summaries

___ IV. Data Validation Report with Raw Data

Edata ✓ Yes ___ No

INVOICE INFORMATION

PO #:

BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Tiff	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Tiffany Otgi	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Verina	Firm: ALS	Firm:	Firm:	Firm:	Firm:
Date/Time: 9/16/21 1830	Date/Time: 9/17/21 0805	Date/Time:	Date/Time:	Date/Time:	Date/Time:

R2109635 5
Verina Consulting Group, LLC
Dover - Kirkwood

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

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

060997

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 2 OF 2

Project Name: Dover Kirkwood	Project Number: 5101.0002
Project Manager: Sarah MacCarter	Report CC:
Company/Address: Verina Consulting Grp 1011 US Highway 22, Suite 302 Bridgewater, NJ 08807	
Phone #: 908.864.4402	Email: smacarter@verinallc.com
Sampler's Signature:	Sampler's Printed Name:

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1 | | | | | | | 0

NUMBER OF CONTAINERS

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 624 • CLP + SSPL	GC/MS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	GC/MS VOAs • 8260 only • CLP + SSPL	REMARKS/ ALTERNATE DESCRIPTION
MP-14-091621		9/16/21	1425	GW	3								✓	
MW-38-091621		↓	1350	GW	↓	✓								
MW-2-091621		↓	1355	GW	↓	✓								
~~MP-6~~ MP-6D-091621		↓	1550	GW	↓	✓								
MW-31-091621		↓	1145	GW	↓	✓								
MP-8S-091621		↓	1620	GW	↓	✓								
MS-091621		↓	0845	GW	↓	✓								
MSD-091621		↓	0845	GW	↓	✓								
MP-6S-091621		↓	1810	GW	↓	✓							✓	

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Metals

SSPL: PCE; TCE; cis-1,2-DCE; trans-1,2,DCE; 1,1-DCA; 1,1,1-TCA; VC

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED: New York

TURNAROUND REQUIREMENTS

____ RUSH (SURCHARGES APPLY)

____ 1 day ____ 2 day ____ 3 day

____ 4 day ____ 5 day

✓ Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS

____ I. Results Only

✓ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

Edata ✓ Yes ____ No

INVOICE INFORMATION

PO #:

BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	
Printed Name: Tiffany Allen	Printed Name:	Printed Name:	Printed Name:	Printed Name:	
Firm: Verina	Firm: ALS	Firm:	Firm:	Firm:	
Date/Time: 9/16/21 1830	Date/Time: 9/17/21 0815	Date/Time:	Date/Time:	Date/Time:	

R2109635 5
Verina Consulting Group, LLC
Dover - Kirkwood

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

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R2109635 5
Verina Consulting Group, LLC
Dover - Kirkwood

Cooler Receipt and Preservation Check Form

Project/Client Verina Folder Number .

Cooler received on 9/17/21 by: C

COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

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

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

8. Temperature Readings Date: 9/17/21 Time: 0820 ID: IR#7 ~~IR#1~~ From: (Temp Blank) Sample Bottle

Observed Temp (°C)	1.9						
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: R-W2 by C on 9/17/21 at 0825
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/21/21 Time: 1115 by: AD

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

pH	Lot of test paper	Reagent	Preserved? 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	-	-						
		HCl	**	**						

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

Bottle lot numbers: 2583 0-027-008

Explain all Discrepancies/ Other Comments:

headspace: MW-31 - 1vial

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: C
PC Secondary Review: SMS 9/22/21

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

ALS Environmental

1565 Jefferson Rd, Bldg 300 Ste 360, Rochester, NY 14623 585-288-5380 FAX 585-288-8475

SR# _____

PAGE 1 OF 1

Project Name: Dover-Kirkwood Project Number: 51C1.0002

Project Manager: S. MacCarter Company: Verina Consulting Group

Company/Address: 101 US 202 Phone: 908-864-4400

City, State, Zip: Bridgewater, NJ 08807 Email: smaccarter@vcg-llc.com

Sampler's Signature: Tiffany Otai

Sample I.D.	Date	Time	LAB ID	Matrix	Number of Containers	Analysis Requested: GC/MS VOAs+SSPL-8260-624-CLP	REMARKS
MP-8D-091721	9-17-21	0815		GW	3	✓	
FB-091721	9-17-21	0830		GW	3	✓	
MW-27-091521	9-15-21	1145		GW	3	✓	
MP-3D-091721	9-17-21	0905		GW	3	✓	

TURNAROUND REQUIREMENTS

____ 24 hr* ____ 48 hr* ____ 3BD* ____ 5 BD*

* RUSH TAT additional surcharges apply

X Standard.(10 BD)

Requested Report Date: _____

REPORT REQUIREMENTS

____ I. Routine Report: Results and Method Blank (Surrogate, as required)

X II. Results w/ QC (Dup., MS, MSD as req)

____ III. Results (with QC and Calibration Summaries)

____ IV. ASP-B Package

X EDD?

EDD Type: NYSDEC

Comments/Special Instructions:

SSPL: PCE; TCE; cis-1,2-DCE; trans-1,2,DCE; 1,1-DCA; 1,11-TCA; VC

Invoice Information

P.O. # 51C1.0002

Bill to: _____

RELINQUISHED BY:

Signature: Tiffany Otai

Printed Name: Tiffany Otai

Firm: Verina

Date/Time: 9/17/21 1000

RECEIVED BY:

Signature: Matthew Markey

Printed Name: Matthew Markey

Firm: ALS

Date/Time: 9/18/21 9:15

RELINQUISHED BY:

Signature: _____

Printed Name: _____

Firm: _____

Date/Time: _____

RECEIVED BY:

Signature: _____

Printed Name: _____

Firm: _____

Date/Time: _____

Cooler Receipt and Preservation Check Form

Project/Client Davy - Kirkwood Folder Number _____

Cooler received on 9/18/21 by: MM **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: 9/18/21 Time: 9:22 ID: IR#7 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	5.8						
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: R1002 by MM on 9/18/21 at 9:55
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. 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: see 1st temp sheet

Explain all Discrepancies/ Other Comments:

*MW-27-091521 & MP-30-091721 1 vial sig headspace each.

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: _____

PC Secondary Review: _____

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

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2109635-001.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/22/2021	1245	In Lab / FNAEGLER	
		9/22/2021	1247	R-001-S10 / FNAEGLER	
		9/23/2021	1204	In Lab / FNAEGLER	
		9/23/2021	1207	R-001-S10 / FNAEGLER	
R2109635-001.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-001.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-002.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/22/2021	1245	In Lab / FNAEGLER	
		9/22/2021	1247	R-001-S10 / FNAEGLER	
R2109635-002.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-002.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-003.01					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2109635-003.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-003.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-003.04					
		9/21/2021	1125	SMO / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-003.05					
		9/21/2021	1125	SMO / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-003.06					
		9/21/2021	1125	SMO / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-003.07					
		9/21/2021	1125	SMO / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-003.08					
		9/21/2021	1125	SMO / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-003.09					
	8260C				
		9/21/2021	1125	SMO / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-004.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-004.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-004.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-005.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-005.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-005.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-006.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-006.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-006.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-007.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/22/2021	1245	In Lab / FNAEGLER	
		9/22/2021	1247	R-001-S10 / FNAEGLER	
R2109635-007.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-007.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-008.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-008.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-008.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2109635-009.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/22/2021	1245	In Lab / FNAEGLER	
		9/22/2021	1247	R-001-S10 / FNAEGLER	
R2109635-009.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-009.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-010.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/22/2021	1245	In Lab / FNAEGLER	
		9/22/2021	1247	R-001-S10 / FNAEGLER	
R2109635-010.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-010.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-011.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2109635-011.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-011.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-012.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/22/2021	1245	In Lab / FNAEGLER	
		9/22/2021	1247	R-001-S10 / FNAEGLER	
R2109635-012.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-012.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-013.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-013.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-013.03					

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-014.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-014.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-014.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-015.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-015.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-015.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-016.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-016.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-016.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-017.01					
	8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-017.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-017.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-020.01					
	8260C,8260C				
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
		9/22/2021	1245	In Lab / FNAEGLER	
		9/22/2021	1247	R-001-S10 / FNAEGLER	
		9/23/2021	1204	In Lab / FNAEGLER	
		9/23/2021	1207	R-001-S10 / FNAEGLER	

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2109635-020.02					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-020.03					
		9/21/2021	1115	SMO / GLAFORCE	
		9/21/2021	1125	R-001 / GLAFORCE	
		9/21/2021	1126	R-001 / GLAFORCE	
R2109635-021.04					
	8260C				
		9/21/2021	1125	SMO / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-021.05					
		9/21/2021	1125	SMO / GLAFORCE	
R2109635-021.06					
		9/21/2021	1125	SMO / GLAFORCE	
R2109635-022.04					
	8260C				
		9/21/2021	1125	SMO / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-022.05					
		9/21/2021	1125	SMO / GLAFORCE	
R2109635-022.06					
		9/21/2021	1125	SMO / GLAFORCE	
R2109635-023.04					
	8260C				
		9/21/2021	1125	SMO / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-023.05					
		9/21/2021	1125	SMO / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2109635-023.06					
		9/21/2021	1125	SMO / GLAFORCE	
R2109635-024.04					
	8260C				
		9/21/2021	1125	SMO / GLAFORCE	
		9/25/2021	1227	In Lab / FNAEGLER	
		9/25/2021	1231	R-001-S10 / FNAEGLER	
R2109635-024.05					
		9/21/2021	1125	SMO / GLAFORCE	
R2109635-024.06					
		9/21/2021	1125	SMO / GLAFORCE	

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 ñNotesò 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 ñimmediateò 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 (Ó100% 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 Certifications[1]

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

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

ALS Laboratory Group

Acronyms

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

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Sample Name: MP-11-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-001 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-24-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-002 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-13-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-003 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-26-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-004 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-22-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-005 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Sample Name: FB-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-006 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-16-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-007 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: Trip Blank-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-008 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-7A-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-009 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-3-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-010 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Sample Name: MW-17-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-011 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-14-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-012 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-38-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-013 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-2-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-014 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-6D-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-015 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002

Sample Name: MW-31-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-016 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-8S-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-017 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-6S-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-020 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-6S-091621 **Date Collected:** 09/16/21
Lab Code: R2109635-020.R01 **Date Received:** 09/17/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-8D-091721 **Date Collected:** 09/17/21
Lab Code: R2109635-021 **Date Received:** 09/18/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002		

Sample Name:	FB-091721	**Date Collected:**	09/17/21
Lab Code:	R2109635-022	**Date Received:**	09/18/21
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	MW-27-091521	**Date Collected:**	09/15/21
Lab Code:	R2109635-023	**Date Received:**	09/18/21
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	MP-3D-091721	**Date Collected:**	09/17/21
Lab Code:	R2109635-024	**Date Received:**	09/18/21
Sample Matrix:	Water		

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
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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:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 08:45
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-13-091621	**Units:**	ug/L
Lab Code:	R2109635-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 15:49	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 15:49	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 15:49	
Tetrachloroethene (PCE)	**14**		1.0	0.21	1	09/25/21 15:49	
Trichloroethene (TCE)	**0.56**	**J**	1.0	0.20	1	09/25/21 15:49	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 15:49	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/25/21 15:49	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 15:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/25/21 15:49	
Dibromofluoromethane	105	80 - 116	09/25/21 15:49	
Toluene-d8	104	87 - 121	09/25/21 15:49	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 10:45
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-26-091621	**Units:**	ug/L
Lab Code:	R2109635-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 16:11	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 16:11	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 16:11	
Tetrachloroethene (PCE)	**8.0**	1.0	0.21	1	09/25/21 16:11	
Trichloroethene (TCE)	**1.8**	1.0	0.20	1	09/25/21 16:11	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 16:11	
cis-1,2-Dichloroethene	**2.5**	1.0	0.23	1	09/25/21 16:11	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 16:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/25/21 16:11	
Dibromofluoromethane	107	80 - 116	09/25/21 16:11	
Toluene-d8	107	87 - 121	09/25/21 16:11	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 10:30
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-22-091621	**Units:**	ug/L
Lab Code:	R2109635-005	**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	09/25/21 16:33	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 16:33	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 16:33	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 16:33	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 16:33	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 16:33	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 16:33	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 16:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/25/21 16:33	
Dibromofluoromethane	101	80 - 116	09/25/21 16:33	
Toluene-d8	104	87 - 121	09/25/21 16:33	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 10:50
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	FB-091621	**Units:**	ug/L
Lab Code:	R2109635-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 15:05	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 15:05	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 15:05	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 15:05	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 15:05	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 15:05	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 15:05	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 15:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 15:05	
Dibromofluoromethane	105	80 - 116	09/25/21 15:05	
Toluene-d8	107	87 - 121	09/25/21 15:05	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	Trip Blank-091621	**Units:**	ug/L
Lab Code:	R2109635-008	**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)	1.0 U	1.0	0.20	1	09/25/21 14:44	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 14:44	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 14:44	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 14:44	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 14:44	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 14:44	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 14:44	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 14:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/25/21 14:44	
Dibromofluoromethane	106	80 - 116	09/25/21 14:44	
Toluene-d8	106	87 - 121	09/25/21 14:44	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 12:00
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-17-091621	**Units:**	ug/L
Lab Code:	R2109635-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 16:55	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 16:55	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 16:55	
Tetrachloroethene (PCE)	**0.76**	**J**	1.0	0.21	1	09/25/21 16:55	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/25/21 16:55	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 16:55	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/25/21 16:55	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 16:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 16:55	
Dibromofluoromethane	104	80 - 116	09/25/21 16:55	
Toluene-d8	106	87 - 121	09/25/21 16:55	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 13:50
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-38-091621	**Units:**	ug/L
Lab Code:	R2109635-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 19:49	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 19:49	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 19:49	
Tetrachloroethene (PCE)	**74**	1.0	0.21	1	09/25/21 19:49	
Trichloroethene (TCE)	**6.2**	1.0	0.20	1	09/25/21 19:49	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 19:49	
cis-1,2-Dichloroethene	**3.2**	1.0	0.23	1	09/25/21 19:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 19:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/25/21 19:49	
Dibromofluoromethane	101	80 - 116	09/25/21 19:49	
Toluene-d8	104	87 - 121	09/25/21 19:49	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 13:55
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-2-091621	**Units:**	ug/L
Lab Code:	R2109635-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 17:16	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 17:16	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 17:16	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 17:16	
Trichloroethene (TCE)	**2.8**	1.0	0.20	1	09/25/21 17:16	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 17:16	
cis-1,2-Dichloroethene	**3.2**	1.0	0.23	1	09/25/21 17:16	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 17:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/25/21 17:16	
Dibromofluoromethane	102	80 - 116	09/25/21 17:16	
Toluene-d8	104	87 - 121	09/25/21 17:16	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 15:50
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-6D-091621	**Units:**	ug/L
Lab Code:	R2109635-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 17:38	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 17:38	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 17:38	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 17:38	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 17:38	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 17:38	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 17:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 17:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/25/21 17:38	
Dibromofluoromethane	102	80 - 116	09/25/21 17:38	
Toluene-d8	101	87 - 121	09/25/21 17:38	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 11:45
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-31-091621	**Units:**	ug/L
Lab Code:	R2109635-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 18:00	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 18:00	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 18:00	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/25/21 18:00	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/25/21 18:00	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 18:00	
cis-1,2-Dichloroethene	**0.47**	**J**	1.0	0.23	1	09/25/21 18:00	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 18:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/25/21 18:00	
Dibromofluoromethane	103	80 - 116	09/25/21 18:00	
Toluene-d8	108	87 - 121	09/25/21 18:00	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 16:20
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-8S-091621	**Units:**	ug/L
Lab Code:	R2109635-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 18:22	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 18:22	
1,1-Dichloroethene (1,1-DCE)	**0.40**	**J**	1.0	0.20	1	09/25/21 18:22	
Tetrachloroethene (PCE)	**16**		1.0	0.21	1	09/25/21 18:22	
Trichloroethene (TCE)	**28**		1.0	0.20	1	09/25/21 18:22	
Vinyl Chloride	**0.62**	**J**	1.0	0.20	1	09/25/21 18:22	
cis-1,2-Dichloroethene	**71**		1.0	0.23	1	09/25/21 18:22	
trans-1,2-Dichloroethene	**3.7**		1.0	0.20	1	09/25/21 18:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/25/21 18:22	
Dibromofluoromethane	101	80 - 116	09/25/21 18:22	
Toluene-d8	103	87 - 121	09/25/21 18:22	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/21 08:15
Sample Matrix:	Water	**Date Received:**	09/18/21 09:15
Sample Name:	MP-8D-091721	**Units:**	ug/L
Lab Code:	R2109635-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 18:44	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 18:44	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 18:44	
Tetrachloroethene (PCE)	**0.85 J**	1.0	0.21	1	09/25/21 18:44	
Trichloroethene (TCE)	**0.24 J**	1.0	0.20	1	09/25/21 18:44	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 18:44	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 18:44	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 18:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/25/21 18:44	
Dibromofluoromethane	103	80 - 116	09/25/21 18:44	
Toluene-d8	102	87 - 121	09/25/21 18:44	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/21 08:30
Sample Matrix:	Water	**Date Received:**	09/18/21 09:15
Sample Name:	FB-091721	**Units:**	ug/L
Lab Code:	R2109635-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 15:27	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 15:27	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 15:27	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 15:27	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 15:27	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 15:27	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 15:27	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 15:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/25/21 15:27	
Dibromofluoromethane	104	80 - 116	09/25/21 15:27	
Toluene-d8	102	87 - 121	09/25/21 15:27	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 11:45
Sample Matrix:	Water	**Date Received:**	09/18/21 09:15
Sample Name:	MW-27-091521	**Units:**	ug/L
Lab Code:	R2109635-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 19:06	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 19:06	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 19:06	
Tetrachloroethene (PCE)	**0.65**	**J**	1.0	0.21	1	09/25/21 19:06	
Trichloroethene (TCE)	**1.5**		1.0	0.20	1	09/25/21 19:06	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 19:06	
cis-1,2-Dichloroethene	**16**		1.0	0.23	1	09/25/21 19:06	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 19:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/25/21 19:06	
Dibromofluoromethane	104	80 - 116	09/25/21 19:06	
Toluene-d8	106	87 - 121	09/25/21 19:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/21 09:05
Sample Matrix:	Water	**Date Received:**	09/18/21 09:15
Sample Name:	MP-3D-091721	**Units:**	ug/L
Lab Code:	R2109635-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 19:27	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 19:27	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 19:27	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/25/21 19:27	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/25/21 19:27	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 19:27	
cis-1,2-Dichloroethene	**0.53**	**J**	1.0	0.23	1	09/25/21 19:27	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 19:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/25/21 19:27	
Dibromofluoromethane	103	80 - 116	09/25/21 19:27	
Toluene-d8	104	87 - 121	09/25/21 19:27	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 08:20
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-11-091621	**Units:**	ug/L
Lab Code:	R2109635-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	10	2.0	10	09/23/21 17:12	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/23/21 17:12	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/23/21 17:12	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/23/21 17:12	
Trichloroethene (TCE)	10 U	10	2.0	10	09/23/21 17:12	
Vinyl Chloride	10 U	10	2.0	10	09/23/21 17:12	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/23/21 17:12	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/23/21 17:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	09/23/21 17:12	
Dibromofluoromethane	94	80 - 116	09/23/21 17:12	
Toluene-d8	97	87 - 121	09/23/21 17:12	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 08:35
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-24-091621	**Units:**	ug/L
Lab Code:	R2109635-002	**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)	10 U	10	2.0	10	09/22/21 18:46	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/22/21 18:46	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/22/21 18:46	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/22/21 18:46	
Trichloroethene (TCE)	10 U	10	2.0	10	09/22/21 18:46	
Vinyl Chloride	10 U	10	2.0	10	09/22/21 18:46	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/22/21 18:46	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/22/21 18:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	09/22/21 18:46	
Dibromofluoromethane	93	80 - 116	09/22/21 18:46	
Toluene-d8	95	87 - 121	09/22/21 18:46	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 10:10
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-16-091621	**Units:**	ug/L
Lab Code:	R2109635-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/22/21 19:51	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/22/21 19:51	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/22/21 19:51	
Tetrachloroethene (PCE)	**11**	1.0	0.21	1	09/22/21 19:51	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/22/21 19:51	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/22/21 19:51	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/22/21 19:51	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/22/21 19:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	09/22/21 19:51	
Dibromofluoromethane	96	80 - 116	09/22/21 19:51	
Toluene-d8	98	87 - 121	09/22/21 19:51	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 11:50
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-7A-091621	**Units:**	ug/L
Lab Code:	R2109635-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/22/21 19:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/22/21 19:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/22/21 19:08	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/22/21 19:08	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/22/21 19:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/22/21 19:08	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/22/21 19:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/22/21 19:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	09/22/21 19:08	
Dibromofluoromethane	92	80 - 116	09/22/21 19:08	
Toluene-d8	96	87 - 121	09/22/21 19:08	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 12:00
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-3-091621	**Units:**	ug/L
Lab Code:	R2109635-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/22/21 17:41	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/22/21 17:41	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/22/21 17:41	
Tetrachloroethene (PCE)	**110**	1.0	0.21	1	09/22/21 17:41	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/22/21 17:41	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/22/21 17:41	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/22/21 17:41	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/22/21 17:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	85	85 - 122	09/22/21 17:41	
Dibromofluoromethane	94	80 - 116	09/22/21 17:41	
Toluene-d8	98	87 - 121	09/22/21 17:41	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 14:25
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-14-091621	**Units:**	ug/L
Lab Code:	R2109635-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/22/21 18:02	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/22/21 18:02	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/22/21 18:02	
Tetrachloroethene (PCE)	**14**		1.0	0.21	1	09/22/21 18:02	
Trichloroethene (TCE)	**0.32**	**J**	1.0	0.20	1	09/22/21 18:02	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/22/21 18:02	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/22/21 18:02	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/22/21 18:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	09/22/21 18:02	
Dibromofluoromethane	94	80 - 116	09/22/21 18:02	
Toluene-d8	95	87 - 121	09/22/21 18:02	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 18:10
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-6S-091621	**Units:**	ug/L
Lab Code:	R2109635-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.5	U	2.5	0.50	2.5	09/22/21 19:29	
1,1-Dichloroethane (1,1-DCA)	2.5	U	2.5	0.50	2.5	09/22/21 19:29	
1,1-Dichloroethene (1,1-DCE)	2.5	U	2.5	0.50	2.5	09/22/21 19:29	
Tetrachloroethene (PCE)	**590**	**D**	10	2.1	10	09/23/21 17:34	
Trichloroethene (TCE)	**2.7**		2.5	0.50	2.5	09/22/21 19:29	
Vinyl Chloride	2.5	U	2.5	0.50	2.5	09/22/21 19:29	
cis-1,2-Dichloroethene	**1.7**	**J**	2.5	0.58	2.5	09/22/21 19:29	
trans-1,2-Dichloroethene	2.5	U	2.5	0.50	2.5	09/22/21 19:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	09/22/21 19:29	
Dibromofluoromethane	96	80 - 116	09/22/21 19:29	
Toluene-d8	98	87 - 121	09/22/21 19:29	

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
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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:** R2109635
Project: Dover - Kirkwood/5101.0002
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
MW-13-091621	R2109635-003	97	105	104
MW-26-091621	R2109635-004	101	107	107
MW-22-091621	R2109635-005	98	101	104
FB-091621	R2109635-006	99	105	107
Trip Blank-091621	R2109635-008	98	106	106
MW-17-091621	R2109635-011	99	104	106
MW-38-091621	R2109635-013	95	101	104
MW-2-091621	R2109635-014	98	102	104
MP-6D-091621	R2109635-015	95	102	101
MW-31-091621	R2109635-016	102	103	108
MP-8S-091621	R2109635-017	96	101	103
MP-8D-091721	R2109635-021	97	103	102
FB-091721	R2109635-022	97	104	102
MW-27-091521	R2109635-023	102	104	106
MP-3D-091721	R2109635-024	97	103	104
Method Blank	RQ2111946-04	99	104	105
Lab Control Sample	RQ2111946-03	97	106	101
MW-13-091621 MS	RQ2111946-05	106	107	104
MW-13-091621 DMS	RQ2111946-06	107	107	103

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21
Sample Matrix:	Water	**Date Received:**	09/17/21
		Date Analyzed:	09/25/21
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-13-091621	**Units:**	ug/L
Lab Code:	R2109635-003	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2111946-05			Duplicate Matrix Spike RQ2111946-06					
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	48.8	50.0	98	51.3	50.0	103	74-127	5	30
1,1-Dichloroethane (1,1-DCA)	1.0 U	50.2	50.0	100	52.6	50.0	105	74-132	5	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	48.8	50.0	98	50.9	50.0	102	71-118	4	30
Tetrachloroethene (PCE)	14	68.7	50.0	109	70.1	50.0	111	72-125	2	30
Trichloroethene (TCE)	0.56 J	51.6	50.0	102	53.3	50.0	105	74-122	3	30
Vinyl Chloride	1.0 U	54.8	50.0	110	55.8	50.0	112	74-159	2	30
cis-1,2-Dichloroethene	1.0 U	49.0	50.0	98	51.3	50.0	103	77-127	5	30
trans-1,2-Dichloroethene	1.0 U	52.4	50.0	105	52.2	50.0	104	73-118	<1	30

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

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

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

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/25/21 14:22
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2111946-04
Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\092521\T9073.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 740096

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2111946-03	I:\ACQUDATA\msvoa10\data\092521\T9070.D\	09/25/21 13:16
Trip Blank-091621	R2109635-008	I:\ACQUDATA\msvoa10\data\092521\T9074.D\	09/25/21 14:44
FB-091621	R2109635-006	I:\ACQUDATA\msvoa10\data\092521\T9075.D\	09/25/21 15:05
FB-091721	R2109635-022	I:\ACQUDATA\msvoa10\data\092521\T9076.D\	09/25/21 15:27
MW-13-091621	R2109635-003	I:\ACQUDATA\msvoa10\data\092521\T9077.D\	09/25/21 15:49
MW-26-091621	R2109635-004	I:\ACQUDATA\msvoa10\data\092521\T9078.D\	09/25/21 16:11
MW-22-091621	R2109635-005	I:\ACQUDATA\msvoa10\data\092521\T9079.D\	09/25/21 16:33
MW-17-091621	R2109635-011	I:\ACQUDATA\msvoa10\data\092521\T9080.D\	09/25/21 16:55
MW-2-091621	R2109635-014	I:\ACQUDATA\msvoa10\data\092521\T9081.D\	09/25/21 17:16
MP-6D-091621	R2109635-015	I:\ACQUDATA\msvoa10\data\092521\T9082.D\	09/25/21 17:38
MW-31-091621	R2109635-016	I:\ACQUDATA\msvoa10\data\092521\T9083.D\	09/25/21 18:00
MP-8S-091621	R2109635-017	I:\ACQUDATA\msvoa10\data\092521\T9084.D\	09/25/21 18:22
MP-8D-091721	R2109635-021	I:\ACQUDATA\msvoa10\data\092521\T9085.D\	09/25/21 18:44
MW-27-091521	R2109635-023	I:\ACQUDATA\msvoa10\data\092521\T9086.D\	09/25/21 19:06
MP-3D-091721	R2109635-024	I:\ACQUDATA\msvoa10\data\092521\T9087.D\	09/25/21 19:27
MW-38-091621	R2109635-013	I:\ACQUDATA\msvoa10\data\092521\T9088.D\	09/25/21 19:49
MW-13-091621MS	RQ2111946-05	I:\ACQUDATA\msvoa10\data\092521\T9089.D\	09/25/21 20:11
MW-13-091621DMS	RQ2111946-06	I:\ACQUDATA\msvoa10\data\092521\T9090.D\	09/25/21 20:33

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2111946-04	**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	09/25/21 14:22	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 14:22	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 14:22	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 14:22	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 14:22	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 14:22	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 14:22	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 14:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 14:22	
Dibromofluoromethane	104	80 - 116	09/25/21 14:22	
Toluene-d8	105	87 - 121	09/25/21 14:22	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/25/21 13:16
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2111946-03
Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\092521\T9070.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 740096

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2111946-04	I:\ACQUDATA\msvoa10\data\092521\T9073.D\	09/25/21 14:22
Trip Blank-091621	R2109635-008	I:\ACQUDATA\msvoa10\data\092521\T9074.D\	09/25/21 14:44
FB-091621	R2109635-006	I:\ACQUDATA\msvoa10\data\092521\T9075.D\	09/25/21 15:05
FB-091721	R2109635-022	I:\ACQUDATA\msvoa10\data\092521\T9076.D\	09/25/21 15:27
MW-13-091621	R2109635-003	I:\ACQUDATA\msvoa10\data\092521\T9077.D\	09/25/21 15:49
MW-26-091621	R2109635-004	I:\ACQUDATA\msvoa10\data\092521\T9078.D\	09/25/21 16:11
MW-22-091621	R2109635-005	I:\ACQUDATA\msvoa10\data\092521\T9079.D\	09/25/21 16:33
MW-17-091621	R2109635-011	I:\ACQUDATA\msvoa10\data\092521\T9080.D\	09/25/21 16:55
MW-2-091621	R2109635-014	I:\ACQUDATA\msvoa10\data\092521\T9081.D\	09/25/21 17:16
MP-6D-091621	R2109635-015	I:\ACQUDATA\msvoa10\data\092521\T9082.D\	09/25/21 17:38
MW-31-091621	R2109635-016	I:\ACQUDATA\msvoa10\data\092521\T9083.D\	09/25/21 18:00
MP-8S-091621	R2109635-017	I:\ACQUDATA\msvoa10\data\092521\T9084.D\	09/25/21 18:22
MP-8D-091721	R2109635-021	I:\ACQUDATA\msvoa10\data\092521\T9085.D\	09/25/21 18:44
MW-27-091521	R2109635-023	I:\ACQUDATA\msvoa10\data\092521\T9086.D\	09/25/21 19:06
MP-3D-091721	R2109635-024	I:\ACQUDATA\msvoa10\data\092521\T9087.D\	09/25/21 19:27
MW-38-091621	R2109635-013	I:\ACQUDATA\msvoa10\data\092521\T9088.D\	09/25/21 19:49
MW-13-091621MS	RQ2111946-05	I:\ACQUDATA\msvoa10\data\092521\T9089.D\	09/25/21 20:11
MW-13-091621DMS	RQ2111946-06	I:\ACQUDATA\msvoa10\data\092521\T9090.D\	09/25/21 20:33

Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood/5101.0002
Sample Matrix: Water

Service Request: R2109635
Date Analyzed: 09/25/21

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2111946-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	15.1	20.0	75	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	18.5	20.0	93	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	15.7	20.0	79	71-118
Tetrachloroethene (PCE)	8260C	15.3	20.0	77	72-125
Trichloroethene (TCE)	8260C	17.4	20.0	87	74-122
Vinyl Chloride	8260C	17.4	20.0	87	74-159
cis-1,2-Dichloroethene	8260C	19.5	20.0	98	80-121
trans-1,2-Dichloroethene	8260C	19.0	20.0	95	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/25/21 11:48

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\092521\T9067.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 740096

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	19.57	26915	Pass
75	95	30	60	52.77	72568	Pass
95	95	100	100	100.00	137518	Pass
96	95	5	9	6.40	8796	Pass
173	174	0	2	1.54	1663	Pass
174	95	50	120	78.40	107816	Pass
175	174	5	9	8.76	9440	Pass
176	174	95	101	98.26	105944	Pass
177	176	5	9	5.80	6143	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2111946-02	I:\ACQUDATA\msvoa10\data\092521\T9069.D\	09/25/21 12:54	
Lab Control Sample	RQ2111946-03	I:\ACQUDATA\msvoa10\data\092521\T9070.D\	09/25/21 13:16	
Method Blank	RQ2111946-04	I:\ACQUDATA\msvoa10\data\092521\T9073.D\	09/25/21 14:22	
Trip Blank-091621	R2109635-008	I:\ACQUDATA\msvoa10\data\092521\T9074.D\	09/25/21 14:44	
FB-091621	R2109635-006	I:\ACQUDATA\msvoa10\data\092521\T9075.D\	09/25/21 15:05	
FB-091721	R2109635-022	I:\ACQUDATA\msvoa10\data\092521\T9076.D\	09/25/21 15:27	
MW-13-091621	R2109635-003	I:\ACQUDATA\msvoa10\data\092521\T9077.D\	09/25/21 15:49	
MW-26-091621	R2109635-004	I:\ACQUDATA\msvoa10\data\092521\T9078.D\	09/25/21 16:11	
MW-22-091621	R2109635-005	I:\ACQUDATA\msvoa10\data\092521\T9079.D\	09/25/21 16:33	
MW-17-091621	R2109635-011	I:\ACQUDATA\msvoa10\data\092521\T9080.D\	09/25/21 16:55	
MW-2-091621	R2109635-014	I:\ACQUDATA\msvoa10\data\092521\T9081.D\	09/25/21 17:16	
MP-6D-091621	R2109635-015	I:\ACQUDATA\msvoa10\data\092521\T9082.D\	09/25/21 17:38	
MW-31-091621	R2109635-016	I:\ACQUDATA\msvoa10\data\092521\T9083.D\	09/25/21 18:00	
MP-8S-091621	R2109635-017	I:\ACQUDATA\msvoa10\data\092521\T9084.D\	09/25/21 18:22	
MP-8D-091721	R2109635-021	I:\ACQUDATA\msvoa10\data\092521\T9085.D\	09/25/21 18:44	
MW-27-091521	R2109635-023	I:\ACQUDATA\msvoa10\data\092521\T9086.D\	09/25/21 19:06	
MP-3D-091721	R2109635-024	I:\ACQUDATA\msvoa10\data\092521\T9087.D\	09/25/21 19:27	
MW-38-091621	R2109635-013	I:\ACQUDATA\msvoa10\data\092521\T9088.D\	09/25/21 19:49	
MW-13-091621	RQ2111946-05	I:\ACQUDATA\msvoa10\data\092521\T9089.D\	09/25/21 20:11	
MW-13-091621	RQ2111946-06	I:\ACQUDATA\msvoa10\data\092521\T9090.D\	09/25/21 20:33	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/25/21 12:54

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

File ID: I:\ACQUDATA\msvoa10\data\092521\T9069.D\ **Lab Code:**RQ2111946-02
Instrument ID: R-MS-10 **Analysis Lot:**740096
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	255,216	11.86	417,279	6.50	403,608	9.81
	Upper Limit ==>	510,432	12.03	834,558	6.67	807,216	9.98
	Lower Limit ==>	127,608	11.69	208,640	6.33	201,804	9.64
Associated Analyses							
Lab Control Sample	RQ2111946-03	207361	11.86	450022	6.50	405814	9.81
Method Blank	RQ2111946-04	188301	11.86	416451	6.50	375726	9.81
Trip Blank-091621	R2109635-008	172111	11.86	401307	6.50	356374	9.81
FB-091621	R2109635-006	179163	11.86	415183	6.50	364898	9.81
FB-091721	R2109635-022	176297	11.86	420662	6.49	374682	9.81
MW-13-091621	R2109635-003	181225	11.86	419628	6.50	382478	9.81
MW-26-091621	R2109635-004	171194	11.86	389394	6.50	356628	9.81
MW-22-091621	R2109635-005	179125	11.86	406181	6.50	364573	9.81
MW-17-091621	R2109635-011	177049	11.86	403452	6.50	367699	9.81
MW-2-091621	R2109635-014	183528	11.86	407773	6.50	371486	9.81
MP-6D-091621	R2109635-015	172512	11.86	411911	6.50	354925	9.81
MW-31-091621	R2109635-016	177074	11.86	393527	6.50	356302	9.81
MP-8S-091621	R2109635-017	178976	11.86	417435	6.50	364334	9.81
MP-8D-091721	R2109635-021	174705	11.86	398715	6.50	355327	9.81
MW-27-091521	R2109635-023	174755	11.86	402677	6.50	359426	9.81
MP-3D-091721	R2109635-024	174290	11.86	405334	6.50	369295	9.81
MW-38-091621	R2109635-013	175588	11.86	400866	6.50	362015	9.81
MW-13-091621MS	RQ2111946-05	225404	11.86	426355	6.50	385138	9.81
MW-13-091621DMS	RQ2111946-06	238082	11.86	444499	6.50	408490	9.81

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/25/21 12:54

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

File ID: I:\ACQUDATA\msvoa10\data\092521\T9069.D\ **Lab Code:**RQ2111946-02
Instrument ID: R-MS-10 **Analysis Lot:**740096
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	277,662	5.40
	Upper Limit ==>	555,324	5.57
	Lower Limit ==>	138,831	5.23
Associated Analyses			
Lab Control Sample	RQ2111946-03	288163	5.40
Method Blank	RQ2111946-04	267981	5.40
Trip Blank-091621	R2109635-008	251853	5.40
FB-091621	R2109635-006	265857	5.40
FB-091721	R2109635-022	262206	5.40
MW-13-091621	R2109635-003	271718	5.40
MW-26-091621	R2109635-004	258716	5.40
MW-22-091621	R2109635-005	253799	5.40
MW-17-091621	R2109635-011	258138	5.40
MW-2-091621	R2109635-014	269832	5.40
MP-6D-091621	R2109635-015	258540	5.40
MW-31-091621	R2109635-016	250768	5.40
MP-8S-091621	R2109635-017	270021	5.41
MP-8D-091721	R2109635-021	252777	5.40
MW-27-091521	R2109635-023	250160	5.41
MP-3D-091721	R2109635-024	260477	5.40
MW-38-091621	R2109635-013	254813	5.40
MW-13-091621MS	RQ2111946-05	273347	5.40
MW-13-091621DMS	RQ2111946-06	282941	5.41

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood/5101.0002
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
MP-11-091621	R2109635-001	88	94	97
MW-24-091621	R2109635-002	87	93	95
MW-16-091621	R2109635-007	89	96	98
MW-7A-091621	R2109635-009	89	92	96
MW-3-091621	R2109635-010	85	94	98
MP-14-091621	R2109635-012	86	94	95
MP-6S-091621	R2109635-020	89	96	98
Method Blank	RQ2111751-06	93	105	102
Method Blank	RQ2111832-06	93	103	101
Lab Control Sample	RQ2111751-03	98	103	101
Lab Control Sample	RQ2111832-03	99	106	103

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/22/21 13:16
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name: Method Blank **Instrument ID:** R-MS-10
Lab Code: RQ2111751-06 **File ID:** I:\ACQUDATA\msvoa10\data\092221\T8888.D\

Analysis Method: 8260C **Analysis Lot:** 739615
Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2111751-03	I:\ACQUDATA\msvoa10\data\092221\T8885.D\	09/22/21 11:57
MW-3-091621	R2109635-010	I:\ACQUDATA\msvoa10\data\092221\T8896.D\	09/22/21 17:41
MP-14-091621	R2109635-012	I:\ACQUDATA\msvoa10\data\092221\T8897.D\	09/22/21 18:02
MW-24-091621	R2109635-002	I:\ACQUDATA\msvoa10\data\092221\T8899.D\	09/22/21 18:46
MW-7A-091621	R2109635-009	I:\ACQUDATA\msvoa10\data\092221\T8900.D\	09/22/21 19:08
MP-6S-091621	R2109635-020	I:\ACQUDATA\msvoa10\data\092221\T8901.D\	09/22/21 19:29
MW-16-091621	R2109635-007	I:\ACQUDATA\msvoa10\data\092221\T8902.D\	09/22/21 19:51

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/23/21 13:23
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ2111832-06	**File ID:**	I:\ACQUDATA\msvoa10\data\092321\T8948.D\
Analysis Method:	8260C	**Analysis Lot:**	739766
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2111832-03	I:\ACQUDATA\msvoa10\data\092321\T8945.D\	09/23/21 12:00
MP-11-091621	R2109635-001	I:\ACQUDATA\msvoa10\data\092321\T8958.D\	09/23/21 17:12
MP-6S-091621	R2109635-020	I:\ACQUDATA\msvoa10\data\092321\T8959.D\	09/23/21 17:34

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2111751-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/22/21 13:16	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/22/21 13:16	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/22/21 13:16	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/22/21 13:16	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/22/21 13:16	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/22/21 13:16	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/22/21 13:16	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/22/21 13:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/22/21 13:16	
Dibromofluoromethane	105	80 - 116	09/22/21 13:16	
Toluene-d8	102	87 - 121	09/22/21 13:16	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2111832-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/23/21 13:23	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/23/21 13:23	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/23/21 13:23	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/23/21 13:23	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/23/21 13:23	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/23/21 13:23	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/23/21 13:23	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/23/21 13:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/23/21 13:23	
Dibromofluoromethane	103	80 - 116	09/23/21 13:23	
Toluene-d8	101	87 - 121	09/23/21 13:23	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/22/21 11:57
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-10
Lab Code:	RQ2111751-03	**File ID:**	I:\ACQUDATA\msvoa10\data\092221\T8885.D\
Analysis Method:	8260C	**Analysis Lot:**	739615
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2111751-06	I:\ACQUDATA\msvoa10\data\092221\T8888.D\	09/22/21 13:16
MW-3-091621	R2109635-010	I:\ACQUDATA\msvoa10\data\092221\T8896.D\	09/22/21 17:41
MP-14-091621	R2109635-012	I:\ACQUDATA\msvoa10\data\092221\T8897.D\	09/22/21 18:02
MW-24-091621	R2109635-002	I:\ACQUDATA\msvoa10\data\092221\T8899.D\	09/22/21 18:46
MW-7A-091621	R2109635-009	I:\ACQUDATA\msvoa10\data\092221\T8900.D\	09/22/21 19:08
MP-6S-091621	R2109635-020	I:\ACQUDATA\msvoa10\data\092221\T8901.D\	09/22/21 19:29
MW-16-091621	R2109635-007	I:\ACQUDATA\msvoa10\data\092221\T8902.D\	09/22/21 19:51

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/23/21 12:00
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-10
Lab Code:	RQ2111832-03	**File ID:**	I:\ACQUDATA\msvoa10\data\092321\T8945.D\
Analysis Method:	8260C	**Analysis Lot:**	739766
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2111832-06	I:\ACQUDATA\msvoa10\data\092321\T8948.D\	09/23/21 13:23
MP-11-091621	R2109635-001	I:\ACQUDATA\msvoa10\data\092321\T8958.D\	09/23/21 17:12
MP-6S-091621	R2109635-020	I:\ACQUDATA\msvoa10\data\092321\T8959.D\	09/23/21 17:34

Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood/5101.0002
Sample Matrix: Water

Service Request: R2109635
Date Analyzed: 09/22/21

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2111751-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.7	20.0	98	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	21.7	20.0	108	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.6	20.0	103	71-118
Tetrachloroethene (PCE)	8260C	20.9	20.0	105	72-125
Trichloroethene (TCE)	8260C	21.1	20.0	106	74-122
Vinyl Chloride	8260C	22.9	20.0	115	74-159
cis-1,2-Dichloroethene	8260C	21.4	20.0	107	80-121
trans-1,2-Dichloroethene	8260C	22.3	20.0	112	73-118

Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood/5101.0002
Sample Matrix: Water

Service Request: R2109635
Date Analyzed: 09/23/21

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2111832-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.3	20.0	102	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	21.7	20.0	108	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.6	20.0	108	71-118
Tetrachloroethene (PCE)	8260C	21.1	20.0	106	72-125
Trichloroethene (TCE)	8260C	20.7	20.0	103	74-122
Vinyl Chloride	8260C	23.3	20.0	117	74-159
cis-1,2-Dichloroethene	8260C	22.0	20.0	110	80-121
trans-1,2-Dichloroethene	8260C	21.2	20.0	106	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/22/21 10:14

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092221\T8882.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 739615

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.01	28181	Pass
75	95	30	60	55.59	74552	Pass
95	95	100	100	100.00	134120	Pass
96	95	5	9	7.90	10599	Pass
173	174	0	2	1.87	1991	Pass
174	95	50	120	79.49	106614	Pass
175	174	5	9	7.94	8466	Pass
176	174	95	101	99.46	106043	Pass
177	176	5	9	6.60	7004	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2111751-02	I:\ACQUDATA\msvoa10\data\092221\T8883.D\	09/22/21 10:46	
Lab Control Sample	RQ2111751-03	I:\ACQUDATA\msvoa10\data\092221\T8885.D\	09/22/21 11:57	
Method Blank	RQ2111751-06	I:\ACQUDATA\msvoa10\data\092221\T8888.D\	09/22/21 13:16	
MW-3-091621	R2109635-010	I:\ACQUDATA\msvoa10\data\092221\T8896.D\	09/22/21 17:41	
MP-14-091621	R2109635-012	I:\ACQUDATA\msvoa10\data\092221\T8897.D\	09/22/21 18:02	
MW-24-091621	R2109635-002	I:\ACQUDATA\msvoa10\data\092221\T8899.D\	09/22/21 18:46	
MW-7A-091621	R2109635-009	I:\ACQUDATA\msvoa10\data\092221\T8900.D\	09/22/21 19:08	
MP-6S-091621	R2109635-020	I:\ACQUDATA\msvoa10\data\092221\T8901.D\	09/22/21 19:29	
MW-16-091621	R2109635-007	I:\ACQUDATA\msvoa10\data\092221\T8902.D\	09/22/21 19:51	

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 10:51

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092321\T8943.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 739766

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.71	34757	Pass
75	95	30	60	57.27	91704	Pass
95	95	100	100	100.00	160128	Pass
96	95	5	9	6.11	9782	Pass
173	174	0	2	1.99	2487	Pass
174	95	50	120	77.85	124664	Pass
175	174	5	9	7.24	9031	Pass
176	174	95	101	96.01	119696	Pass
177	176	5	9	5.70	6818	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2111832-02	I:\ACQUDATA\msvoa10\data\092321\T8944.D\	09/23/21 11:24	
Lab Control Sample	RQ2111832-03	I:\ACQUDATA\msvoa10\data\092321\T8945.D\	09/23/21 12:00	
Method Blank	RQ2111832-06	I:\ACQUDATA\msvoa10\data\092321\T8948.D\	09/23/21 13:23	
MP-11-091621	R2109635-001	I:\ACQUDATA\msvoa10\data\092321\T8958.D\	09/23/21 17:12	
MP-6S-091621	R2109635-020	I:\ACQUDATA\msvoa10\data\092321\T8959.D\	09/23/21 17:34	

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/22/21 10:46

Internal Standard Area and RT SUMMARY

Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092221\T8883.D\ **Lab Code:**RQ2111751-02
Instrument ID: R-MS-10 **Analysis Lot:**739615
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	274,141	11.86	527,874	6.49	490,142	9.81
	Upper Limit ==>	548,282	12.03	1,055,748	6.66	980,284	9.98
	Lower Limit ==>	137,071	11.69	263,937	6.32	245,071	9.64
Associated Analyses							
Lab Control Sample	RQ2111751-03	247319	11.86	525715	6.50	491923	9.81
Method Blank	RQ2111751-06	229298	11.86	495457	6.50	458455	9.81
MW-3-091621	R2109635-010	219458	11.86	528360	6.50	474288	9.81
MP-14-091621	R2109635-012	224661	11.86	524554	6.50	477381	9.81
MW-24-091621	R2109635-002	225116	11.86	543861	6.50	484708	9.81
MW-7A-091621	R2109635-009	222843	11.86	511531	6.50	470649	9.81
MP-6S-091621	R2109635-020	228425	11.86	527119	6.50	478602	9.81
MW-16-091621	R2109635-007	226960	11.86	525570	6.50	477416	9.81

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/22/21 10:46

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

File ID: I:\ACQUDATA\msvoa10\data\092221\T8883.D\ **Lab Code:**RQ2111751-02
Instrument ID: R-MS-10 **Analysis Lot:**739615
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	336,384	5.40
	Upper Limit ==>	672,768	5.57
	Lower Limit ==>	168,192	5.23
Associated Analyses			
Lab Control Sample	RQ2111751-03	338266	5.40
Method Blank	RQ2111751-06	317106	5.40
MW-3-091621	R2109635-010	343190	5.40
MP-14-091621	R2109635-012	331048	5.41
MW-24-091621	R2109635-002	334775	5.40
MW-7A-091621	R2109635-009	330604	5.40
MP-6S-091621	R2109635-020	338079	5.40
MW-16-091621	R2109635-007	332391	5.41

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 11:24

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

File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\ **Lab Code:**RQ2111832-02
Instrument ID: R-MS-10 **Analysis Lot:**739766
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	286,494	11.86	532,208	6.50	498,205	9.81
	Upper Limit ==>	572,988	12.03	1,064,416	6.67	996,410	9.98
	Lower Limit ==>	143,247	11.69	266,104	6.33	249,103	9.64
Associated Analyses							
Lab Control Sample	RQ2111832-03	263344	11.86	559421	6.50	511234	9.81

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 11:24

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

File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\ **Lab Code:**RQ2111832-02
Instrument ID: R-MS-10 **Analysis Lot:**739766
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	325,327	5.40
	Upper Limit ==>	650,654	5.57
	Lower Limit ==>	162,664	5.23
Associated Analyses			
Lab Control Sample	RQ2111832-03	344546	5.40

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 11:24

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

File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\ **Lab Code:**RQ2111832-02
Instrument ID: R-MS-10 **Analysis Lot:**739766
Analysis Method: 8260C **Signal ID:**

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	286,494	11.86	532,208	6.50	498,205	9.81
	Upper Limit ==>	572,988	12.03	1,064,416	6.67	996,410	9.98
	Lower Limit ==>	143,247	11.69	266,104	6.33	249,103	9.64
Associated Analyses							
Method Blank	RQ2111832-06	237412	11.86	532478	6.50	492458	9.81
MP-11-091621	R2109635-001	237513	11.86	549099	6.50	495625	9.81
MP-6S-091621	R2109635-020	229044	11.86	534817	6.50	486554	9.81

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/23/21 11:24

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

File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\ **Lab Code:**RQ2111832-02
Instrument ID: R-MS-10 **Analysis Lot:**739766
Analysis Method: 8260C **Signal ID:**

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	325,327	5.40
	Upper Limit ==>	650,654	5.57
	Lower Limit ==>	162,664	5.23
Associated Analyses			
Method Blank	RQ2111832-06	329109	5.40
MP-11-091621	R2109635-001	341724	5.40
MP-6S-091621	R2109635-020	334168	5.41

Raw Data

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 08:20
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-11-091621	**Units:**	ug/L
Lab Code:	R2109635-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	10	2.0	10	09/23/21 17:12	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/23/21 17:12	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/23/21 17:12	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/23/21 17:12	
Trichloroethene (TCE)	10 U	10	2.0	10	09/23/21 17:12	
Vinyl Chloride	10 U	10	2.0	10	09/23/21 17:12	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/23/21 17:12	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/23/21 17:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	09/23/21 17:12	
Dibromofluoromethane	94	80 - 116	09/23/21 17:12	
Toluene-d8	97	87 - 121	09/23/21 17:12	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 08:35
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-24-091621	**Units:**	ug/L
Lab Code:	R2109635-002	**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)	10 U	10	2.0	10	09/22/21 18:46	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/22/21 18:46	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/22/21 18:46	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/22/21 18:46	
Trichloroethene (TCE)	10 U	10	2.0	10	09/22/21 18:46	
Vinyl Chloride	10 U	10	2.0	10	09/22/21 18:46	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/22/21 18:46	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/22/21 18:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	09/22/21 18:46	
Dibromofluoromethane	93	80 - 116	09/22/21 18:46	
Toluene-d8	95	87 - 121	09/22/21 18:46	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 10:10
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-16-091621	**Units:**	ug/L
Lab Code:	R2109635-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/22/21 19:51	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/22/21 19:51	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/22/21 19:51	
Tetrachloroethene (PCE)	**11**	1.0	0.21	1	09/22/21 19:51	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/22/21 19:51	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/22/21 19:51	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/22/21 19:51	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/22/21 19:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	09/22/21 19:51	
Dibromofluoromethane	96	80 - 116	09/22/21 19:51	
Toluene-d8	98	87 - 121	09/22/21 19:51	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 11:50
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-7A-091621	**Units:**	ug/L
Lab Code:	R2109635-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/22/21 19:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/22/21 19:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/22/21 19:08	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/22/21 19:08	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/22/21 19:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/22/21 19:08	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/22/21 19:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/22/21 19:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	09/22/21 19:08	
Dibromofluoromethane	92	80 - 116	09/22/21 19:08	
Toluene-d8	96	87 - 121	09/22/21 19:08	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 12:00
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-3-091621	**Units:**	ug/L
Lab Code:	R2109635-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/22/21 17:41	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/22/21 17:41	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/22/21 17:41	
Tetrachloroethene (PCE)	**110**	1.0	0.21	1	09/22/21 17:41	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/22/21 17:41	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/22/21 17:41	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/22/21 17:41	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/22/21 17:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	85	85 - 122	09/22/21 17:41	
Dibromofluoromethane	94	80 - 116	09/22/21 17:41	
Toluene-d8	98	87 - 121	09/22/21 17:41	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 14:25
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-14-091621	**Units:**	ug/L
Lab Code:	R2109635-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/22/21 18:02	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/22/21 18:02	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/22/21 18:02	
Tetrachloroethene (PCE)	**14**		1.0	0.21	1	09/22/21 18:02	
Trichloroethene (TCE)	**0.32**	**J**	1.0	0.20	1	09/22/21 18:02	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/22/21 18:02	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/22/21 18:02	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/22/21 18:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	09/22/21 18:02	
Dibromofluoromethane	94	80 - 116	09/22/21 18:02	
Toluene-d8	95	87 - 121	09/22/21 18:02	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 18:10
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-6S-091621	**Units:**	ug/L
Lab Code:	R2109635-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

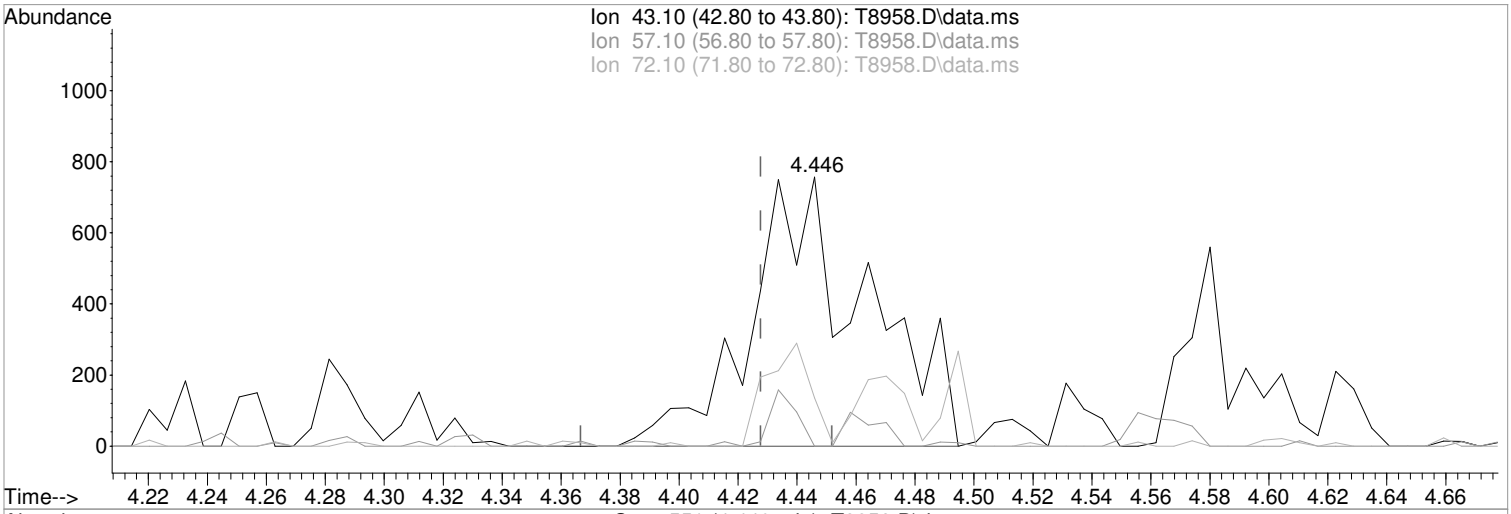
Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	2.5	U	2.5	0.50	2.5	09/22/21 19:29	
1,1-Dichloroethane (1,1-DCA)	2.5	U	2.5	0.50	2.5	09/22/21 19:29	
1,1-Dichloroethene (1,1-DCE)	2.5	U	2.5	0.50	2.5	09/22/21 19:29	
Tetrachloroethene (PCE)	**590**	**D**	10	2.1	10	09/23/21 17:34	
Trichloroethene (TCE)	**2.7**		2.5	0.50	2.5	09/22/21 19:29	
Vinyl Chloride	2.5	U	2.5	0.50	2.5	09/22/21 19:29	
cis-1,2-Dichloroethene	**1.7**	**J**	2.5	0.58	2.5	09/22/21 19:29	
trans-1,2-Dichloroethene	2.5	U	2.5	0.50	2.5	09/22/21 19:29	

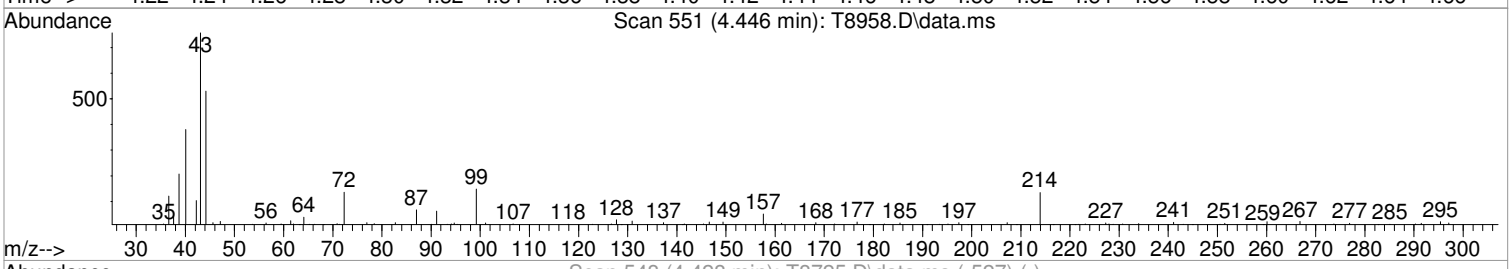
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	09/22/21 19:29	
Dibromofluoromethane	96	80 - 116	09/22/21 19:29	
Toluene-d8	98	87 - 121	09/22/21 19:29	

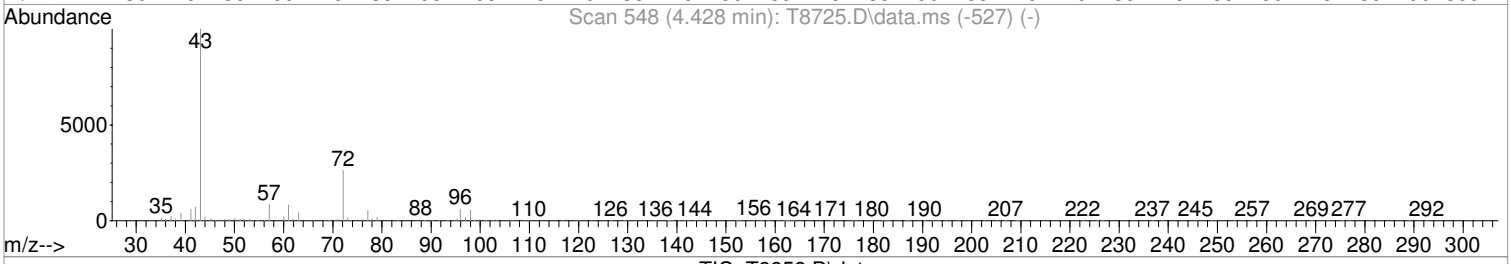
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8958.D
Acq On : 23 Sep 2021 5:12 pm
Operator : F.NAEGLER
Sample : R2109635-001|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 17:31:09 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8958.D\data.ms

(34) 2-Butanone (P)

4.446min (+0.018) 0.90 ug/L m

response 2073

Ion	Exp%	Act%
43.10	100	100
57.10	8.50	0.00
72.10	26.20	17.97
0.00	0.00	0.00

Manual Integration:

After

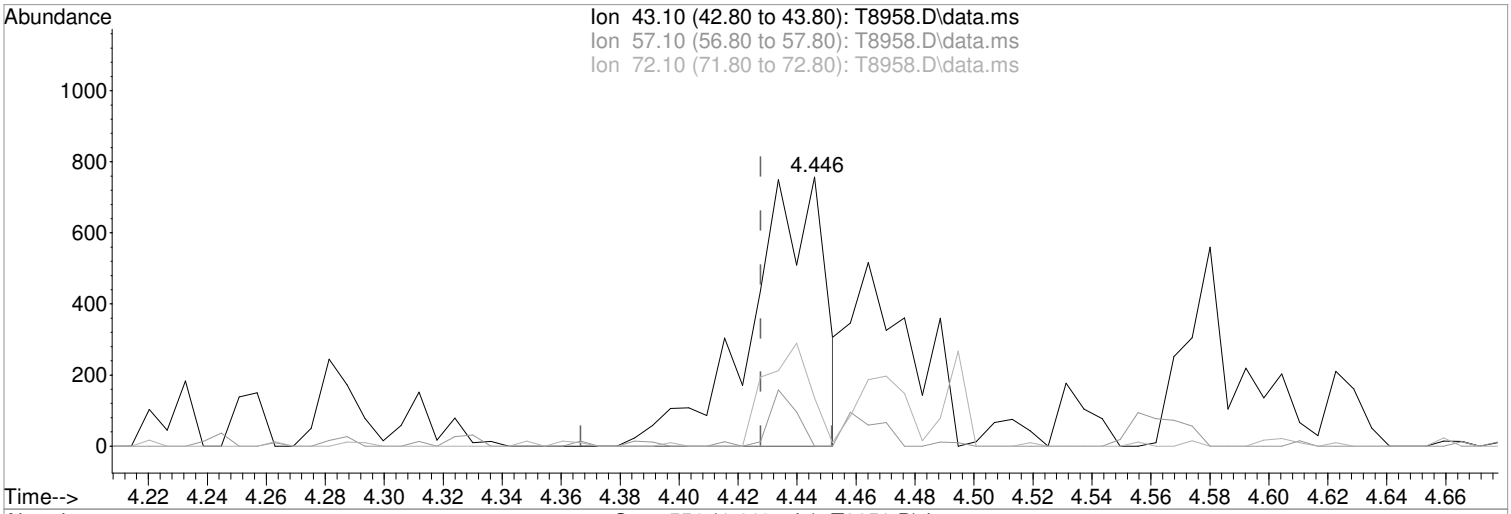
Poor integration.

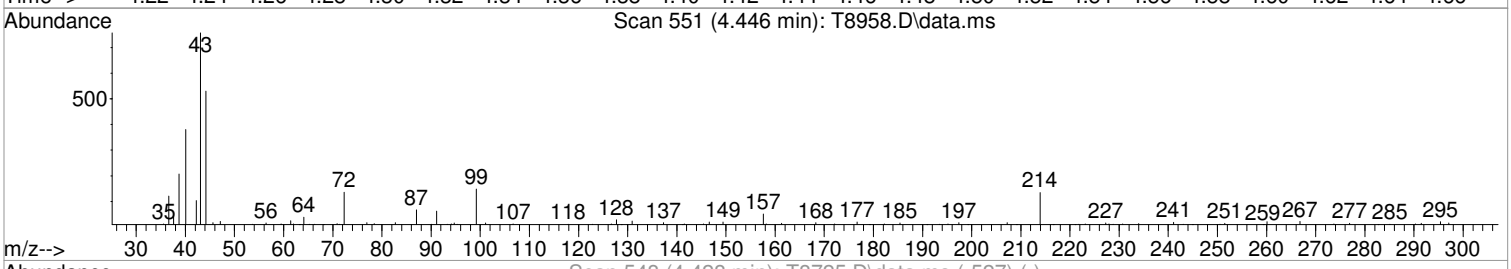
09/24/21

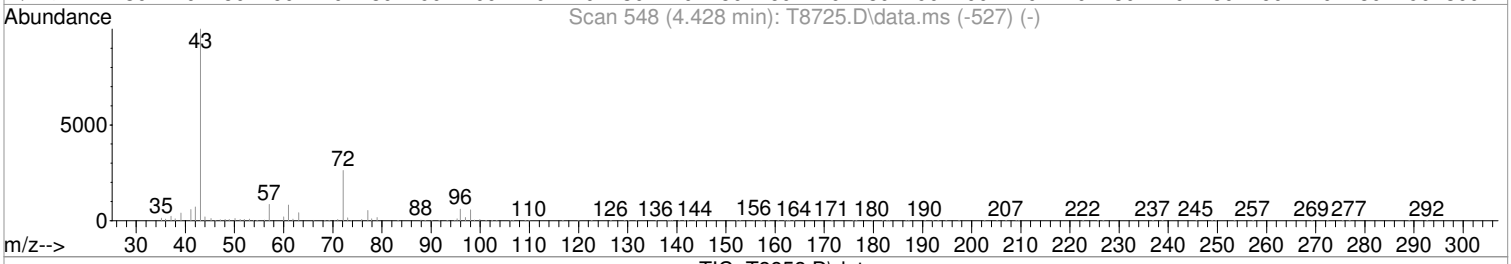
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8958.D
Acq On : 23 Sep 2021 5:12 pm
Operator : F.NAEGLER
Sample : R2109635-001|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 17:31:09 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8958.D\data.ms

(34) 2-Butanone (P)

4.446min (+0.018) 0.57 ug/L

response 1322

Ion	Exp%	Act%
43.10	100	100
57.10	8.50	0.00
72.10	26.20	17.97
0.00	0.00	0.00

Manual Integration:

Before

09/24/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8958.D
Acq On : 23 Sep 2021 5:12 pm
Operator : F.NAEGLER
Sample : R2109635-001|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 24 14:52:06 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Diluted b/c of dark matrix

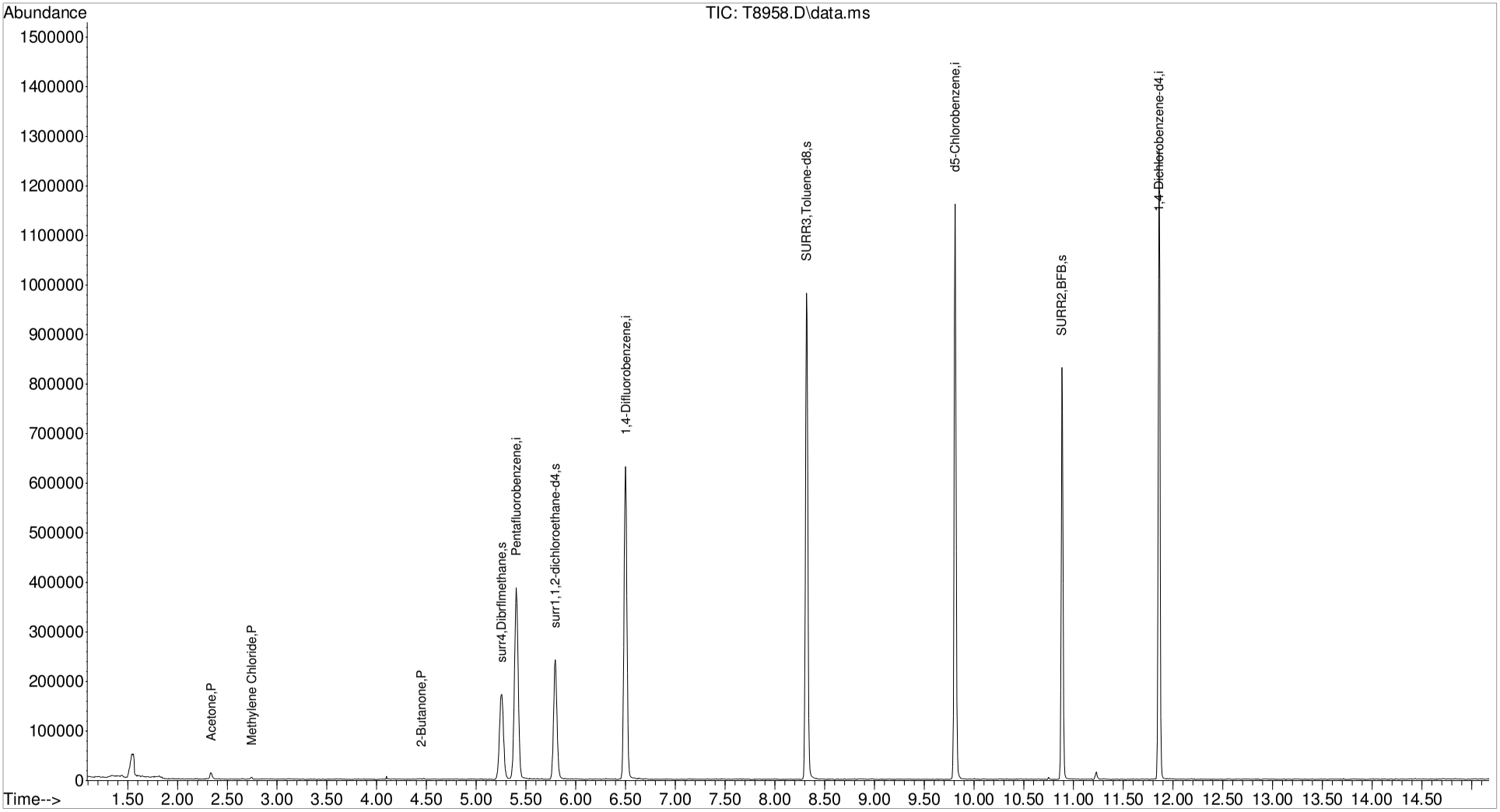
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	341724	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	549099	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	495625	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	237513	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	143621	46.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.70%			
46) surr1,1,2-dichloroetha...	5.793	65	197926	49.77	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.54%			
64) SURR3,Toluene-d8	8.317	98	603590	48.73	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.46%			
69) SURR2,BFB	10.884	95	202202	43.98	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 87.96%			
Target Compounds						Qvalue
15) Acetone	2.337	43	12305	7.78	ug/L	89
22) Methylene Chloride	2.745	84	1109	0.32	ug/L	90
34) 2-Butanone	4.446	43	2073m	0.90	ug/L	

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

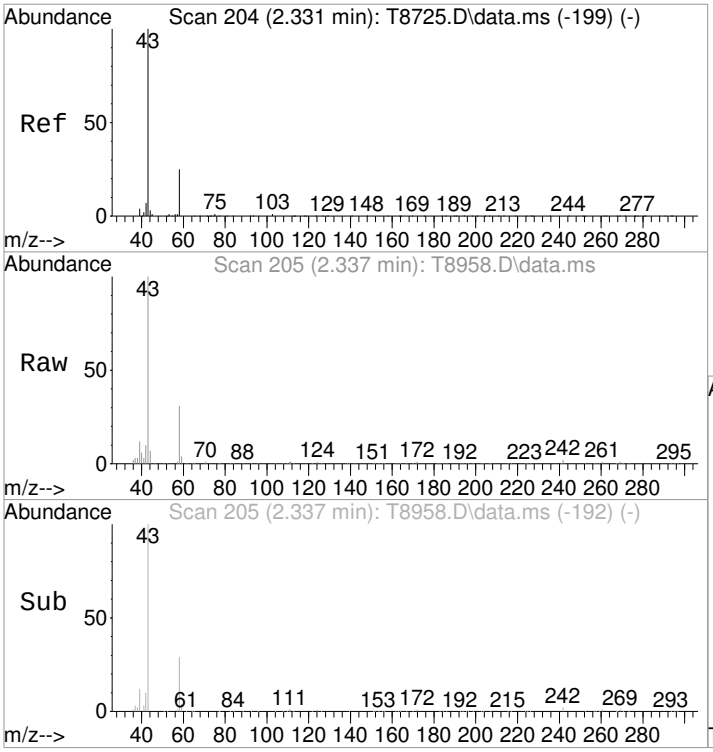
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8958.D
Acq On : 23 Sep 2021 5:12 pm
Operator : F.NAEGLER
Sample : R2109635-001|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 24 14:52:06 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



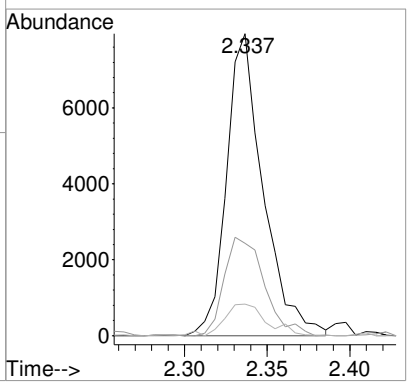
1st FJ 09/24/21
2nd 09/24/21

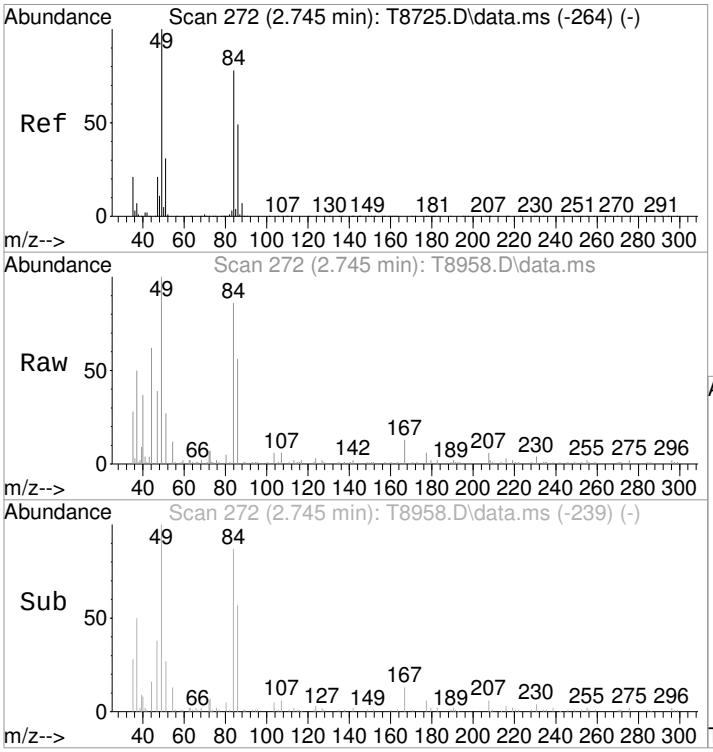


#15
Acetone
Concen: 7.78 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T8958.D
Acq: 23 Sep 2021 5:12 pm

Tgt Ion: 43 Resp: 12305

Ion	Ratio	Lower	Upper
43	100		
58	30.6	4.9	44.9
42	10.4	0.0	27.1

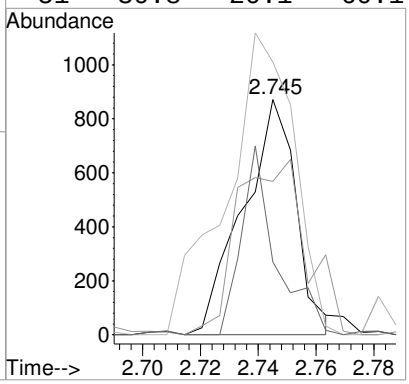


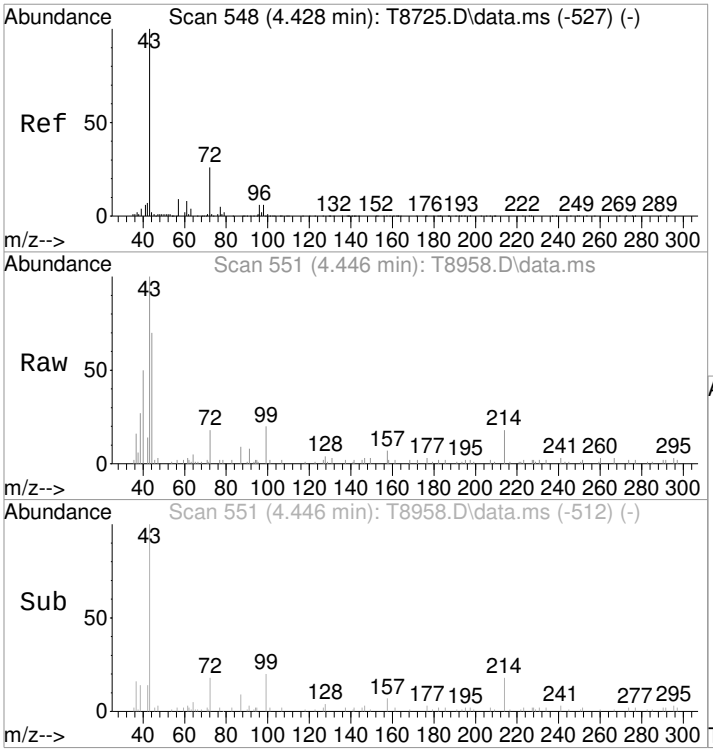


#22
Methylene Chloride
Concen: 0.32 ug/L
RT: 2.745 min Scan# 272
Delta R.T. -0.000 min
Lab File: T8958.D
Acq: 23 Sep 2021 5:12 pm

Tgt Ion: 84 Resp: 1109

Ion	Ratio	Lower	Upper
84	100		
86	65.1	43.2	83.2
49	115.8	109.0	149.0
51	30.8	20.1	60.1

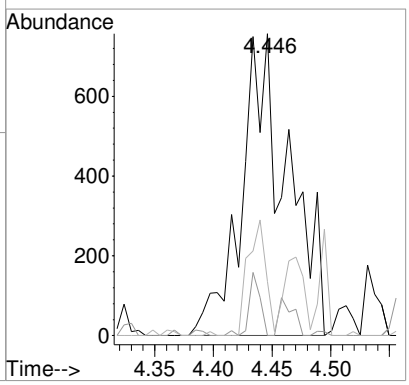




#34
2-Butanone
Concen: 0.90 ug/L m
RT: 4.446 min Scan# 551
Delta R.T. 0.018 min
Lab File: T8958.D
Acq: 23 Sep 2021 5:12 pm

Tgt Ion: 43 Resp: 2073

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.5
72	18.0	6.2	46.2



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8899.D
Acq On : 22 Sep 2021 6:46 pm
Operator : F.NAEGLER
Sample : R2109635-002|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 12:48:57 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

dil OK due to dark matrix

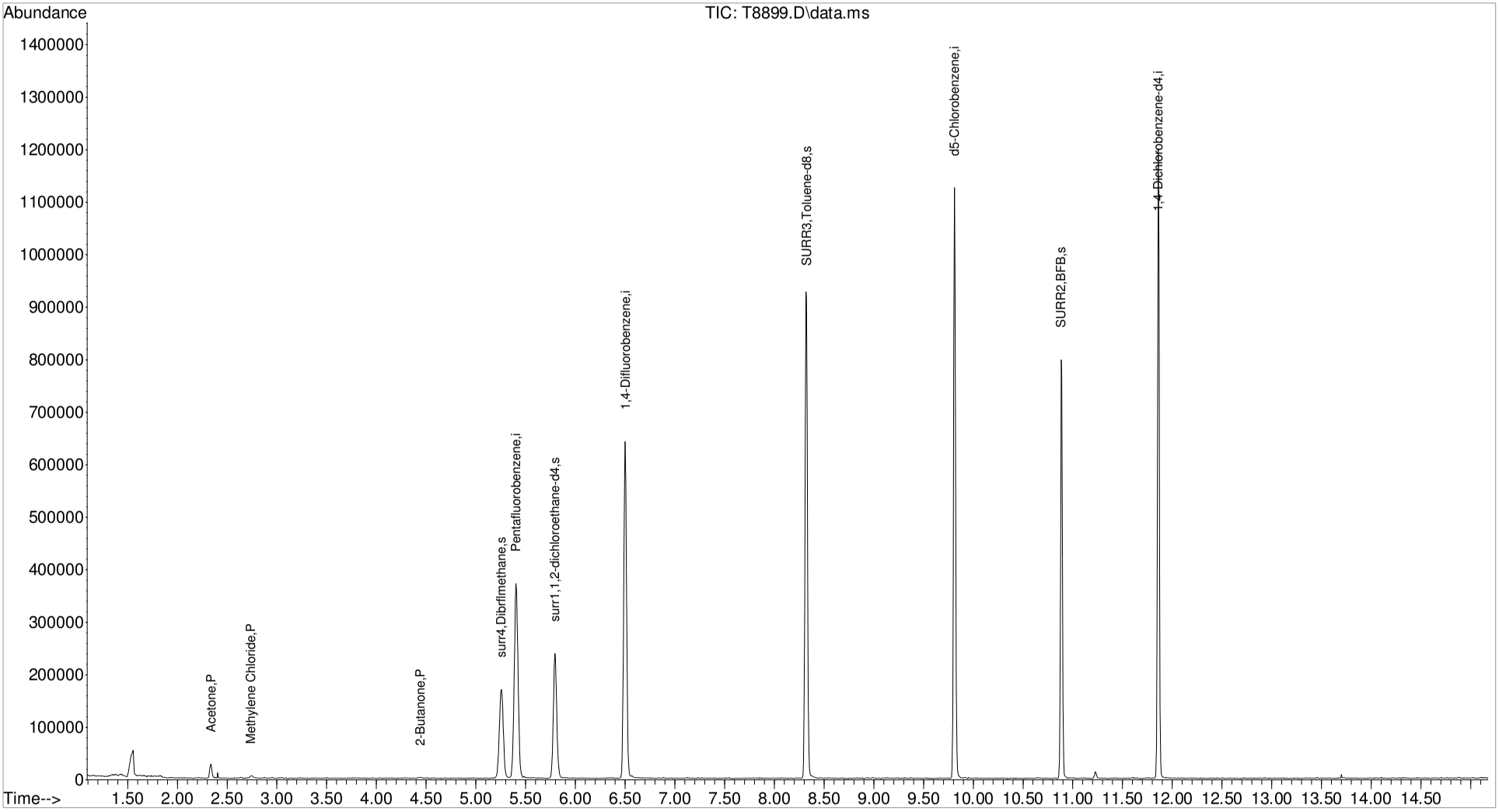
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	334775	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	543861	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	484708	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	225116	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	140852	46.39	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 92.78%				
46) surr1,1,2-dichloroetha...	5.793	65	194335	49.34	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.68%				
64) SURR3,Toluene-d8	8.323	98	580187	47.29	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 94.58%				
69) SURR2,BFB	10.884	95	198059	43.49	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 86.98%				
Target Compounds							Qvalue
15) Acetone	2.337	43	26112	16.84	ug/L		90
22) Methylene Chloride	2.739	84	2289	0.68	ug/L	#	61
34) 2-Butanone	4.440	43	2789	1.24	ug/L		95

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

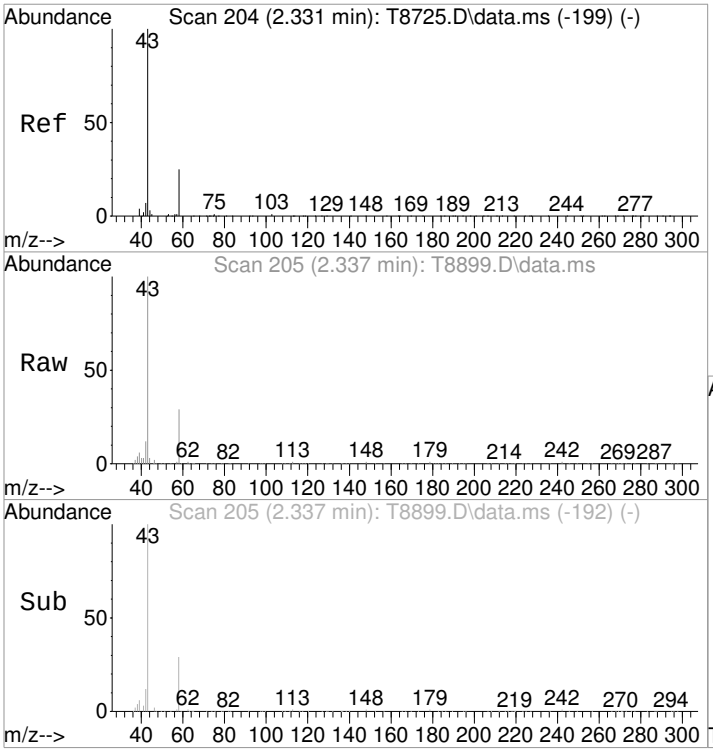
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8899.D
Acq On : 22 Sep 2021 6:46 pm
Operator : F.NAEGLER
Sample : R2109635-002|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 12:48:57 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



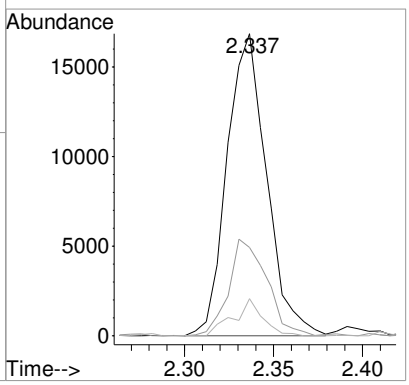
1st FJ 09/23/21
2nd 09/23/21

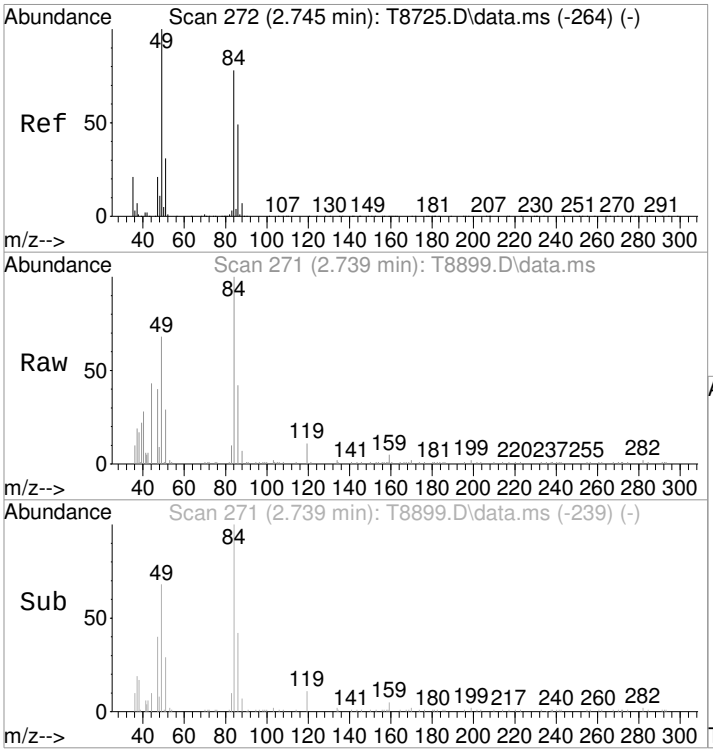


#15
Acetone
Concen: 16.84 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T8899.D
Acq: 22 Sep 2021 6:46 pm

Tgt Ion: 43 Resp: 26112

Ion	Ratio	Lower	Upper
43	100		
58	29.2	4.9	44.9
42	12.2	0.0	27.1

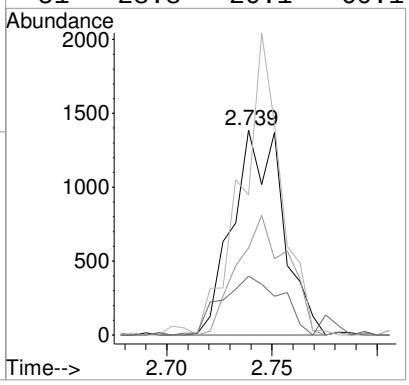


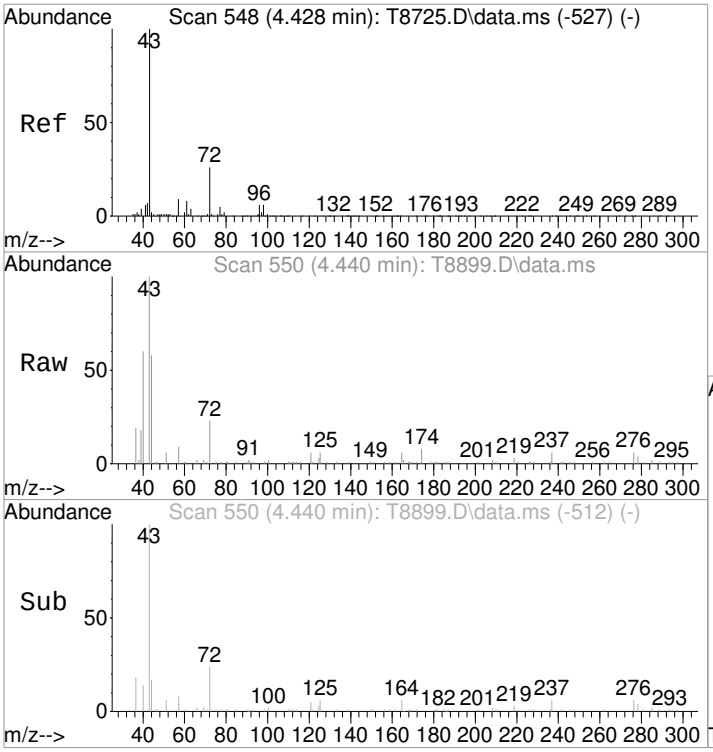


#22
Methylene Chloride
Concen: 0.68 ug/L
RT: 2.739 min Scan# 271
Delta R.T. -0.006 min
Lab File: T8899.D
Acq: 22 Sep 2021 6:46 pm

Tgt Ion: 84 Resp: 2289

Ion	Ratio	Lower	Upper
84	100		
86	42.5	43.2	83.2#
49	68.4	109.0	149.0#
51	28.8	20.1	60.1

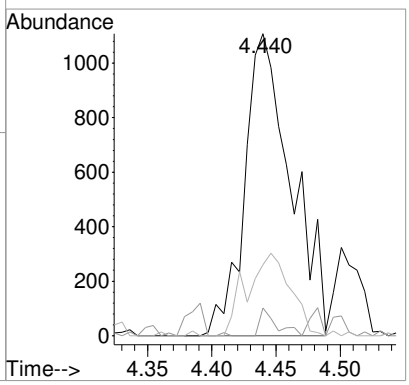




#34
2-Butanone
Concen: 1.24 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T8899.D
Acq: 22 Sep 2021 6:46 pm

Tgt Ion: 43 Resp: 2789

Ion	Ratio	Lower	Upper
43	100		
57	9.2	0.0	28.5
72	23.5	6.2	46.2



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8902.D
Acq On : 22 Sep 2021 7:51 pm
Operator : F.NAEGLER
Sample : R2109635-007|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 23 12:56:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

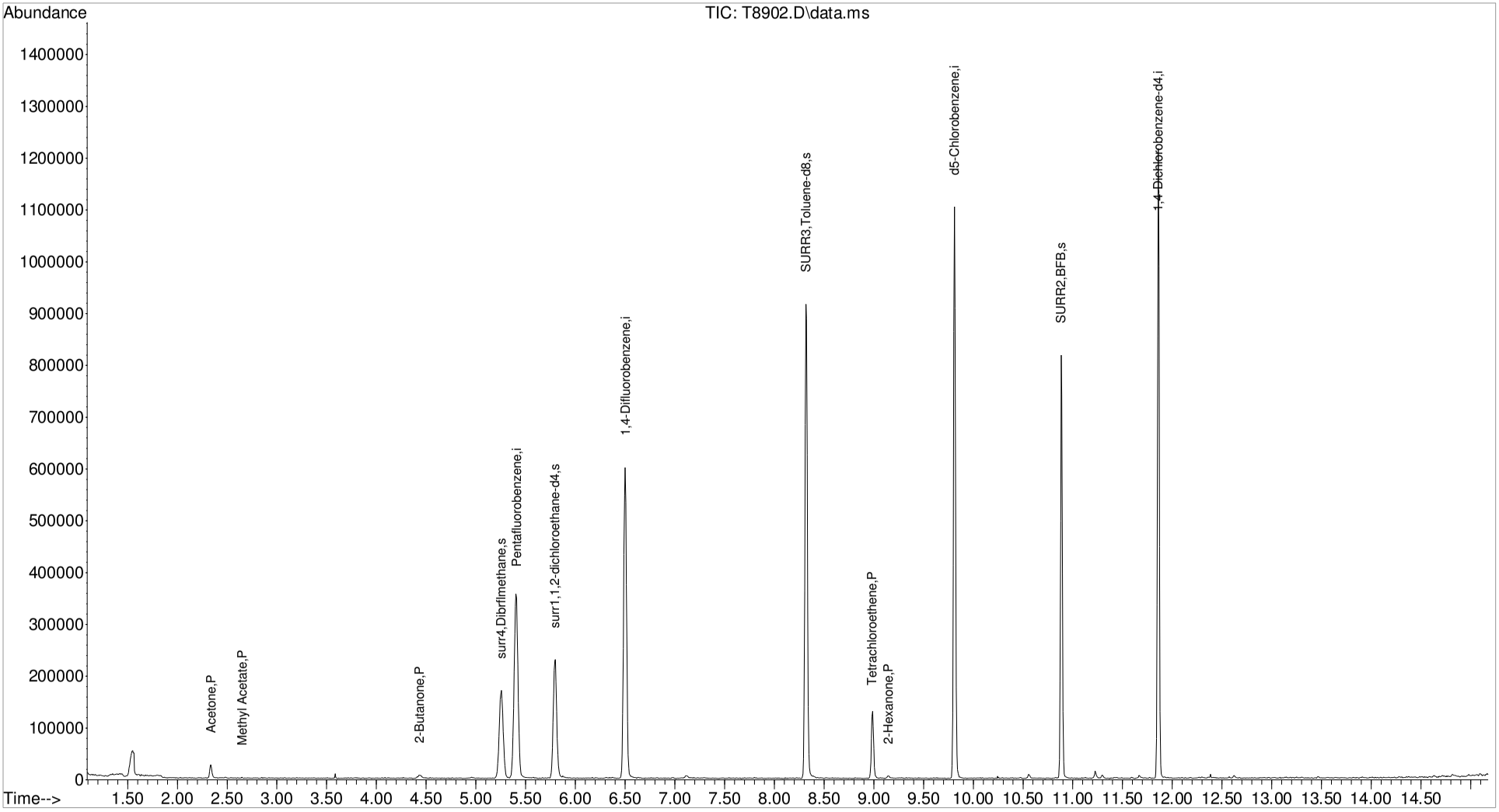
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.409	168	332391	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	525570	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	477416	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	226960	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	141577	48.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.50%			
46) surr1,1,2-dichloroetha...	5.793	65	191245	50.25	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.50%			
64) SURR3,Toluene-d8	8.317	98	579152	48.85	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.70%			
69) SURR2,BFB	10.884	95	196217	44.59	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 89.18%			
Target Compounds						Qvalue
15) Acetone	2.337	43	24490	15.91	ug/L	90
21) Methyl Acetate	2.647	43	773	0.21	ug/L	67
34) 2-Butanone	4.434	43	10154	4.53	ug/L	80
71) Tetrachloroethene	8.982	164	24157	11.13	ug/L	88
72) 2-Hexanone	9.146	43	2948	0.99	ug/L	85

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

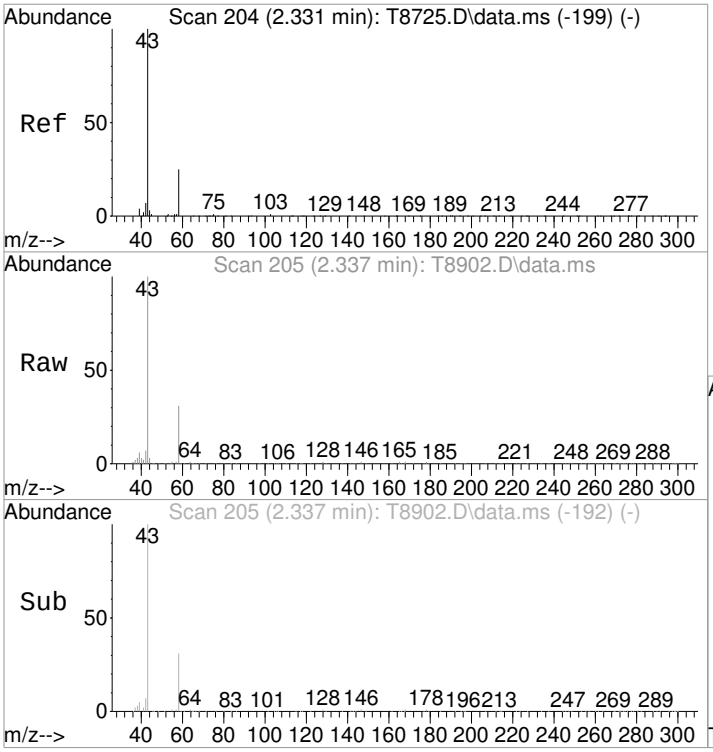
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8902.D
Acq On : 22 Sep 2021 7:51 pm
Operator : F.NAEGLER
Sample : R2109635-007|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 23 12:56:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



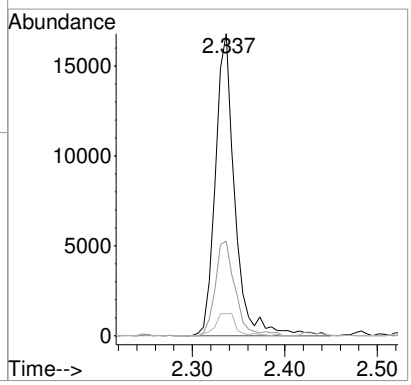
1st FJ 09/23/21
2nd 09/23/21

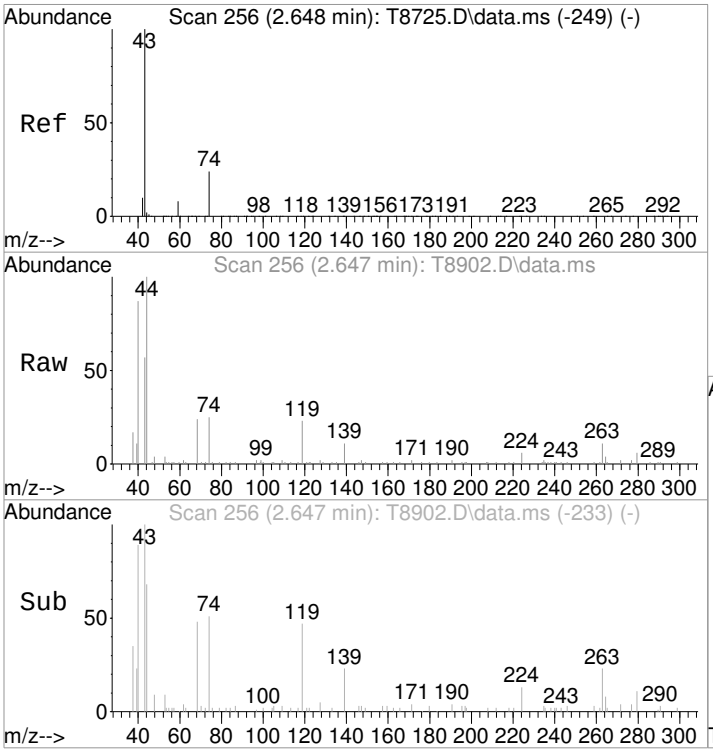


#15
Acetone
Concen: 15.91 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T8902.D
Acq: 22 Sep 2021 7:51 pm

Tgt Ion: 43 Resp: 24490

Ion	Ratio	Lower	Upper
43	100		
58	31.3	4.9	44.9
42	7.3	0.0	27.1

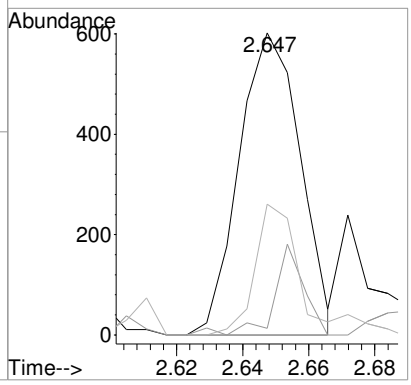


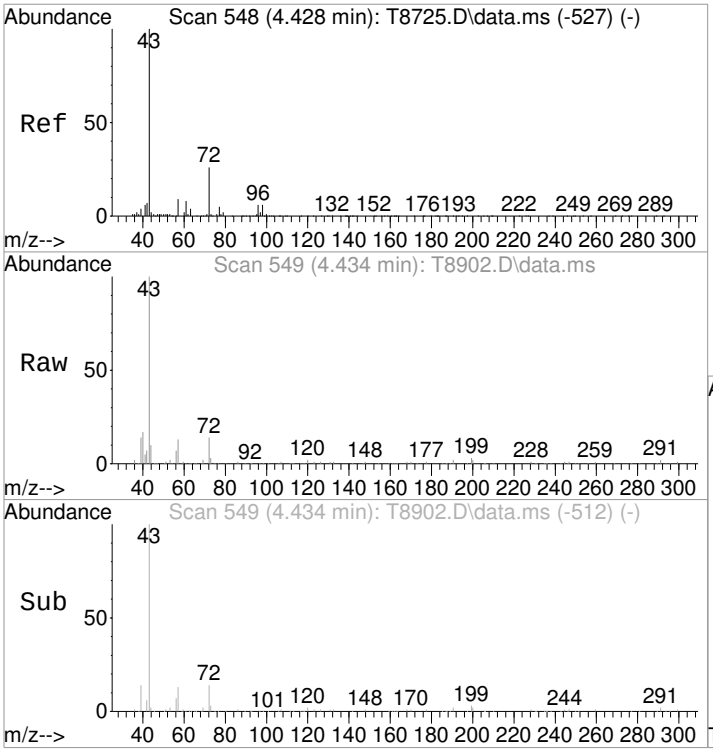


#21
Methyl Acetate
Concen: 0.21 ug/L
RT: 2.647 min Scan# 256
Delta R.T. -0.000 min
Lab File: T8902.D
Acq: 22 Sep 2021 7:51 pm

Tgt Ion: 43 Resp: 773

Ion	Ratio	Lower	Upper
43	100		
59	2.2	0.0	28.2
74	43.4	4.4	44.4

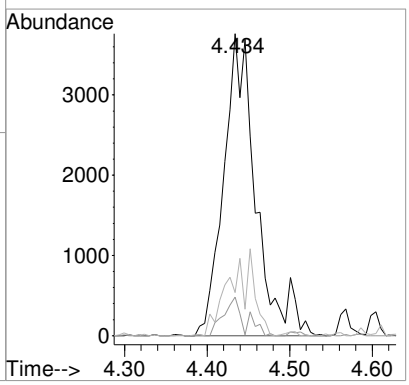


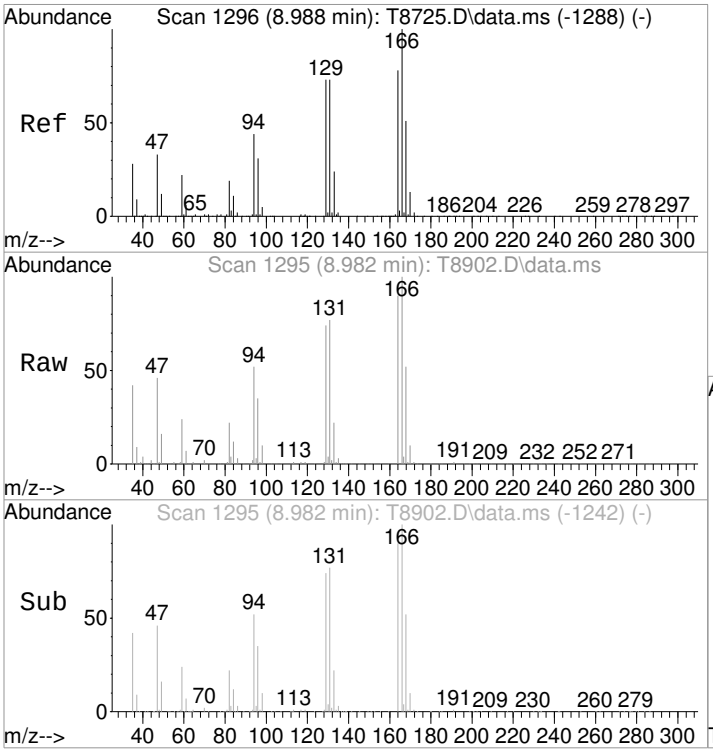


#34
2-Butanone
Concen: 4.53 ug/L
RT: 4.434 min Scan# 549
Delta R.T. 0.006 min
Lab File: T8902.D
Acq: 22 Sep 2021 7:51 pm

Tgt Ion: 43 Resp: 10154

Ion	Ratio	Lower	Upper
43	100		
57	12.8	0.0	28.5
72	14.3	6.2	46.2

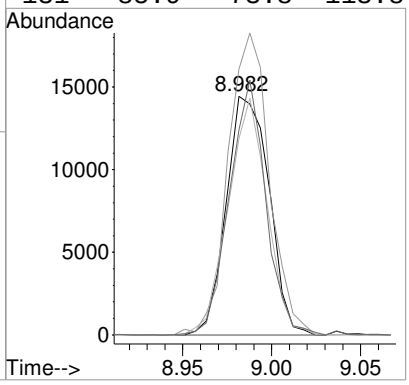


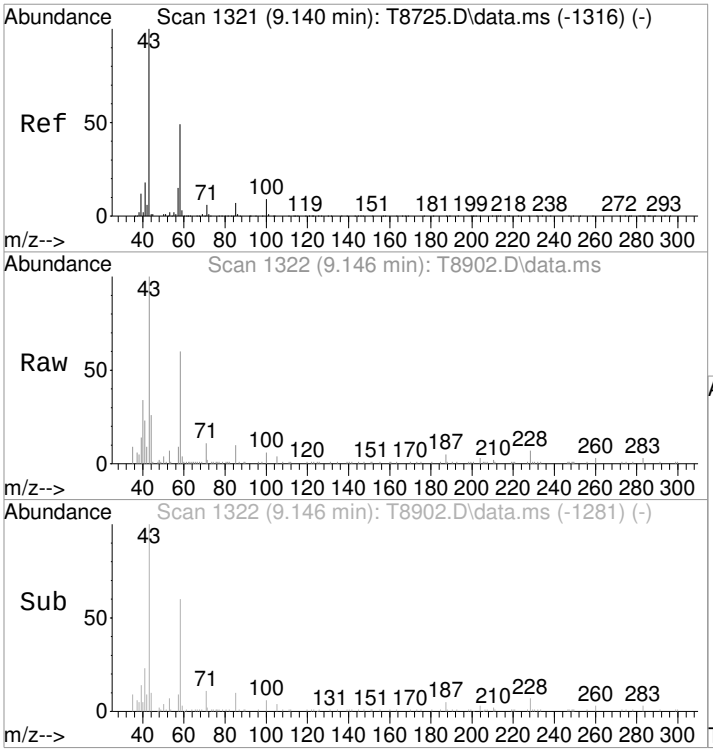


#71
Tetrachloroethene
Concen: 11.13 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.006 min
Lab File: T8902.D
Acq: 22 Sep 2021 7:51 pm

Tgt Ion:164 Resp: 24157

Ion	Ratio	Lower	Upper
164	100		
166	111.4	108.5	148.5
129	82.3	73.7	113.7
131	85.9	73.8	113.8

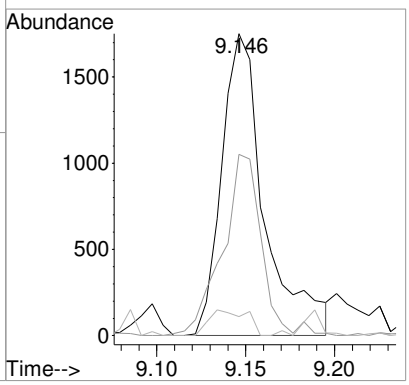




#72
2-Hexanone
Concen: 0.99 ug/L
RT: 9.146 min Scan# 1322
Delta R.T. 0.006 min
Lab File: T8902.D
Acq: 22 Sep 2021 7:51 pm

Tgt Ion: 43 Resp: 2948

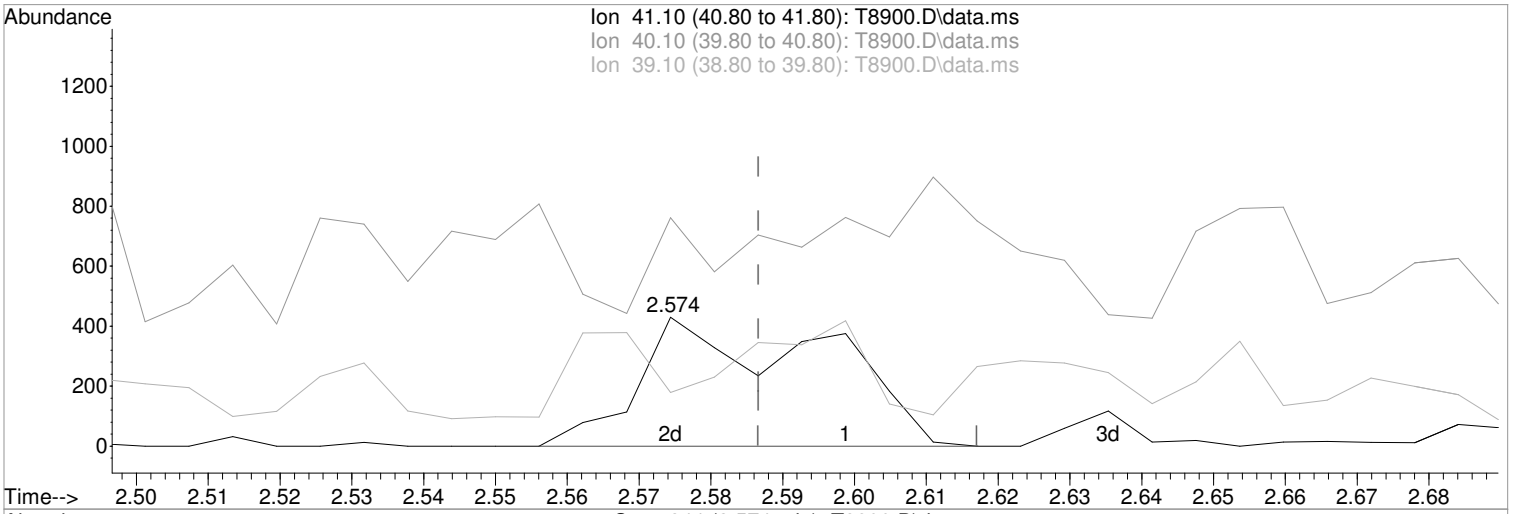
Ion	Ratio	Lower	Upper
43	100		
58	60.1	29.0	69.0
100	6.3	0.0	29.5

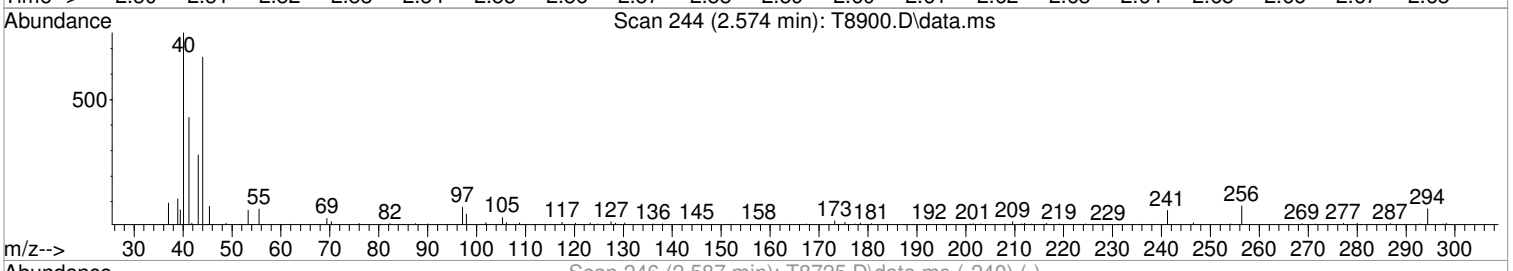


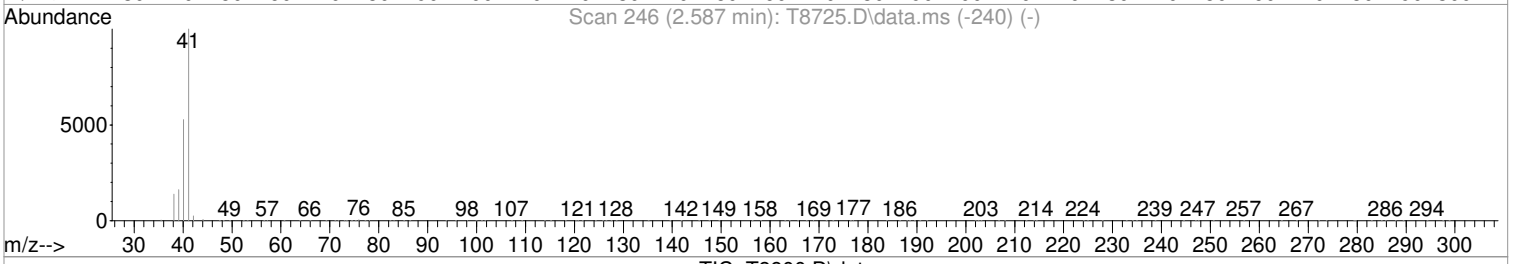
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8900.D
Acq On : 22 Sep 2021 7:08 pm
Operator : F.NAEGLER
Sample : R2109635-009|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 08:14:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8900.D\data.ms

(19) Acetonitrile

2.574min (-0.012) 1.34 ug/L m

response 770

Ion	Exp%	Act%
41.10	100	100
40.10	53.40	177.21#
39.10	16.60	25.81
0.00	0.00	0.00

Manual Integration:

After

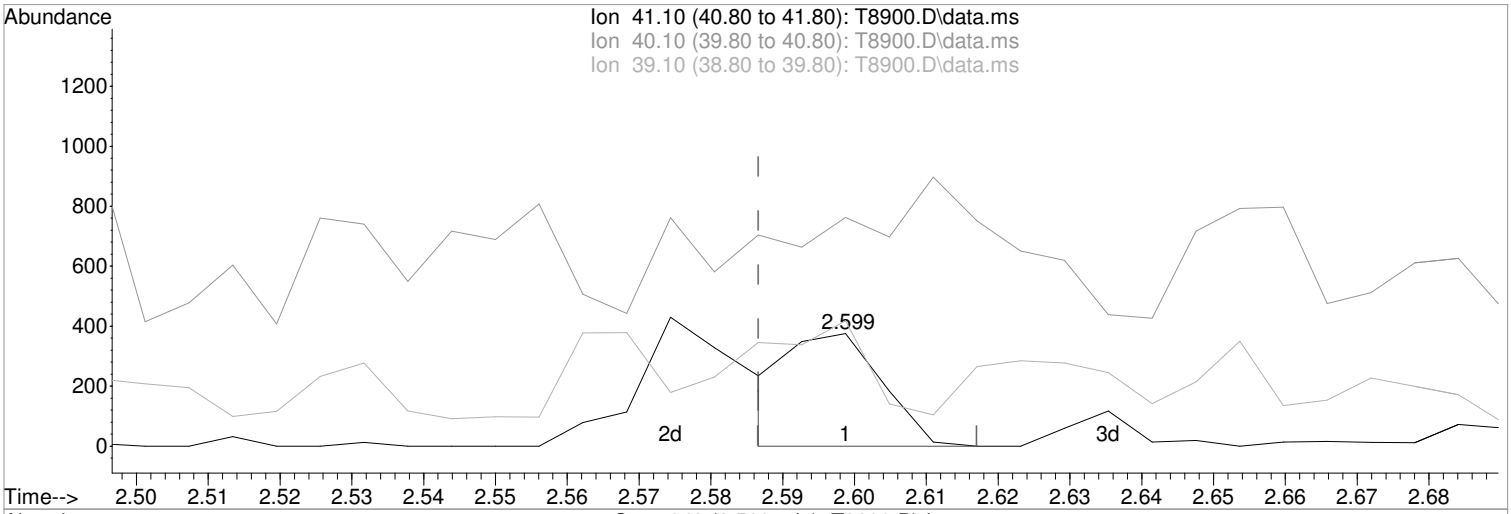
Poor integration.

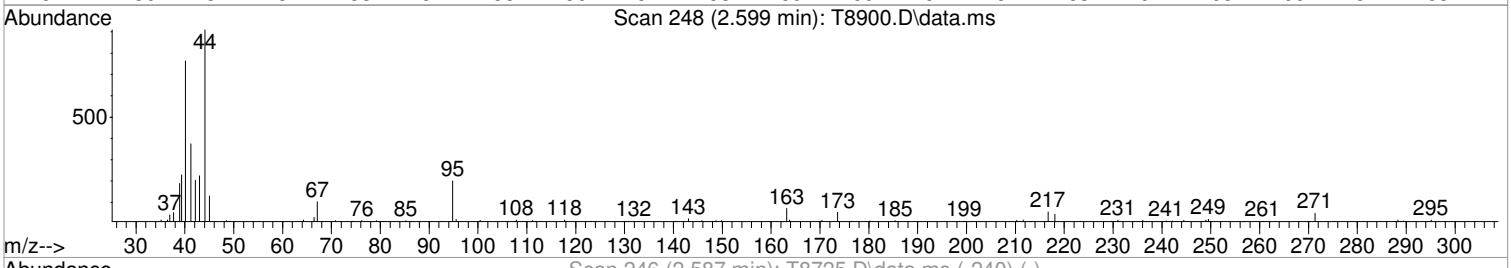
09/23/21

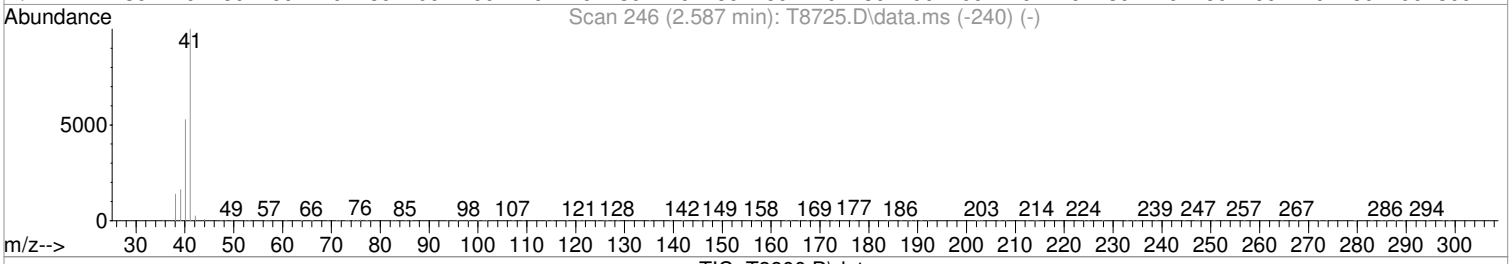
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8900.D
Acq On : 22 Sep 2021 7:08 pm
Operator : F.NAEGLER
Sample : R2109635-009|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 08:14:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8900.D\data.ms

(19) Acetonitrile

2.599min (+0.012) 0.59 ug/L

response 337

Ion	Exp%	Act%
41.10	100	100
40.10	53.40	203.47#
39.10	16.60	111.47#
0.00	0.00	0.00

Manual Integration:

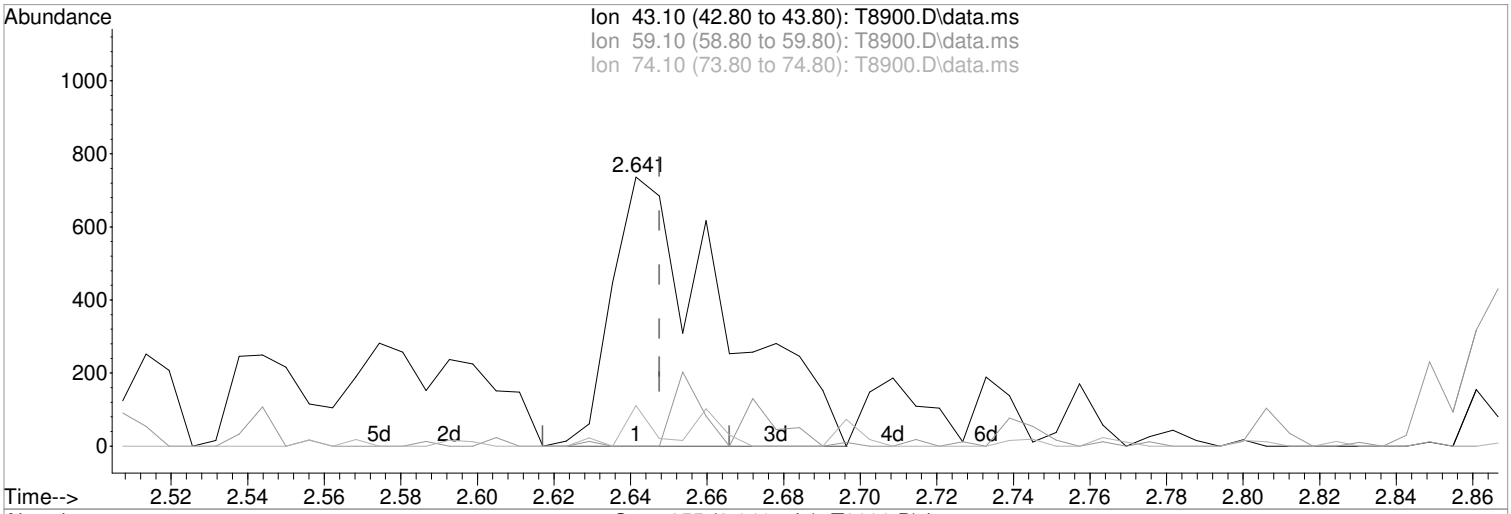
Before

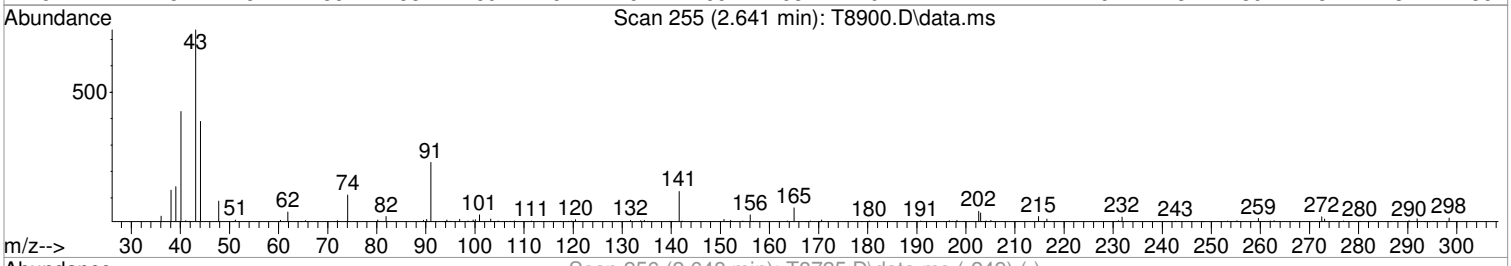
09/23/21

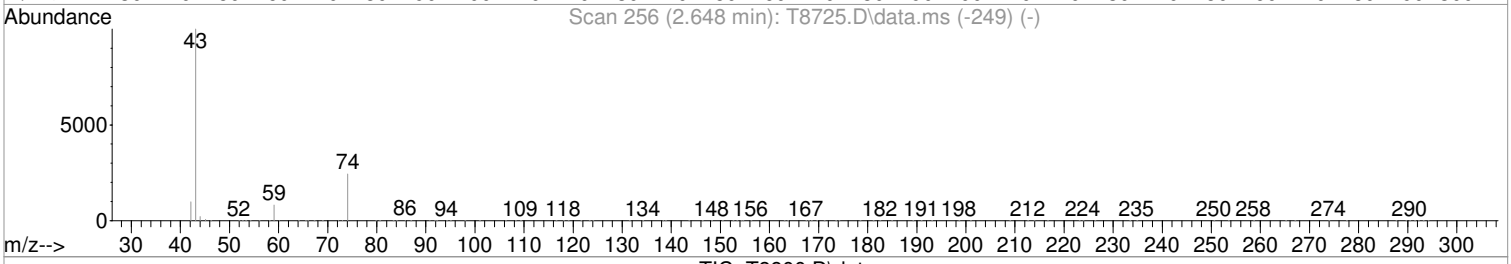
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8900.D
Acq On : 22 Sep 2021 7:08 pm
Operator : F.NAEGLER
Sample : R2109635-009|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 08:14:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8900.D\data.ms

(21) Methyl Acetate (P)

2.641min (-0.006) 0.40 ug/L m

response 1485

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	15.08
0.00	0.00	0.00

Manual Integration:

After

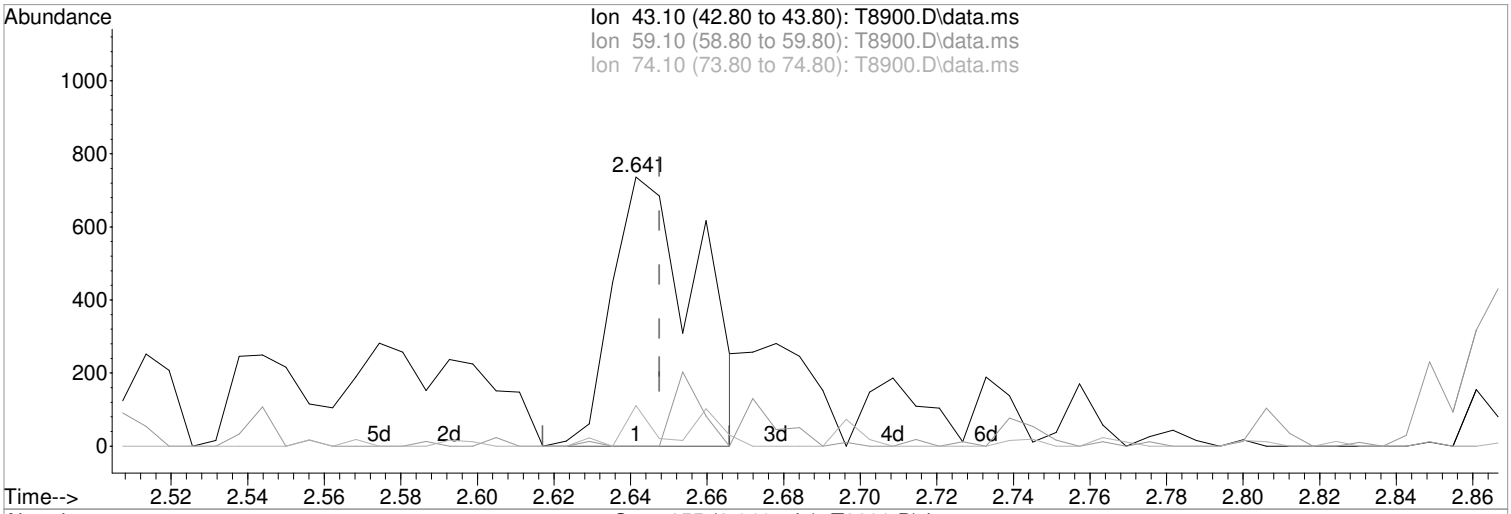
Poor integration.

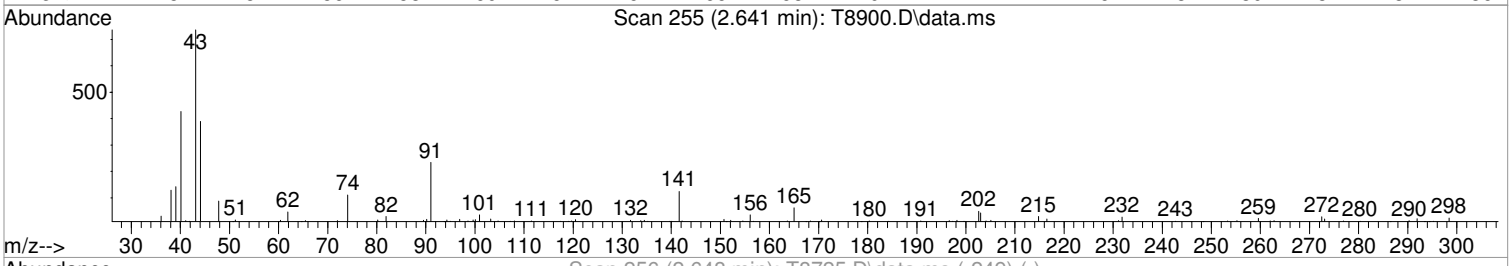
09/23/21

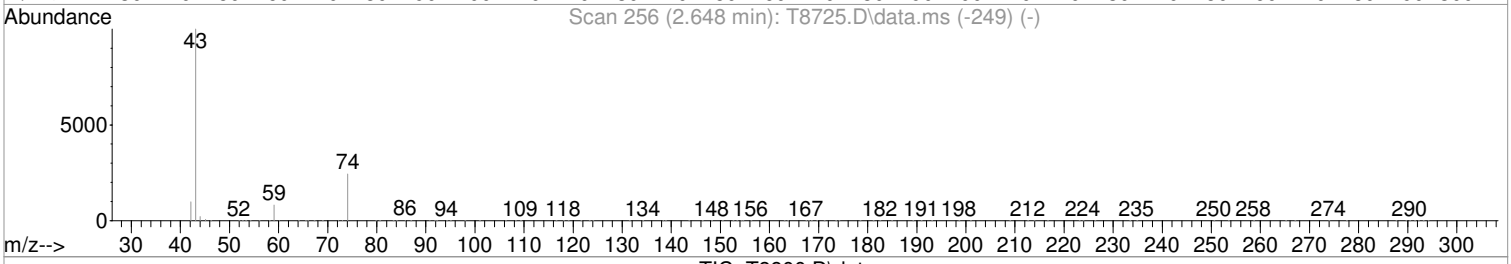
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8900.D
Acq On : 22 Sep 2021 7:08 pm
Operator : F.NAEGLER
Sample : R2109635-009|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 08:14:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8900.D\data.ms

(21) Methyl Acetate (P)

2.641min (-0.006) 0.31 ug/L

response 1142

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	15.08
0.00	0.00	0.00

Manual Integration:

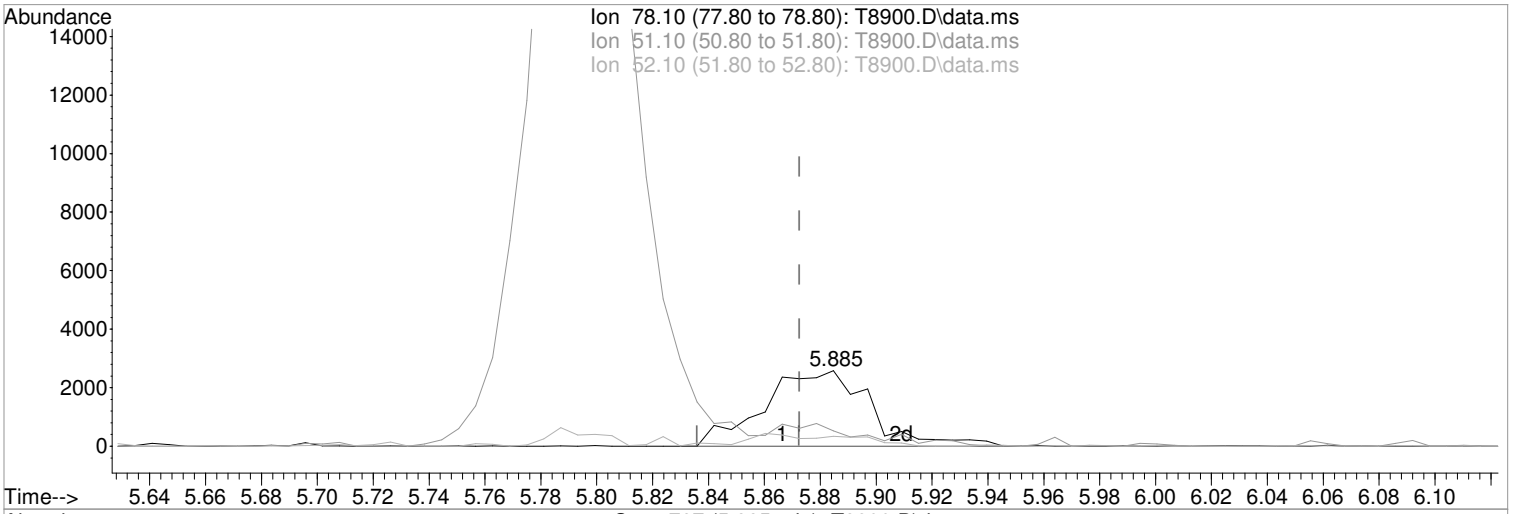
Before

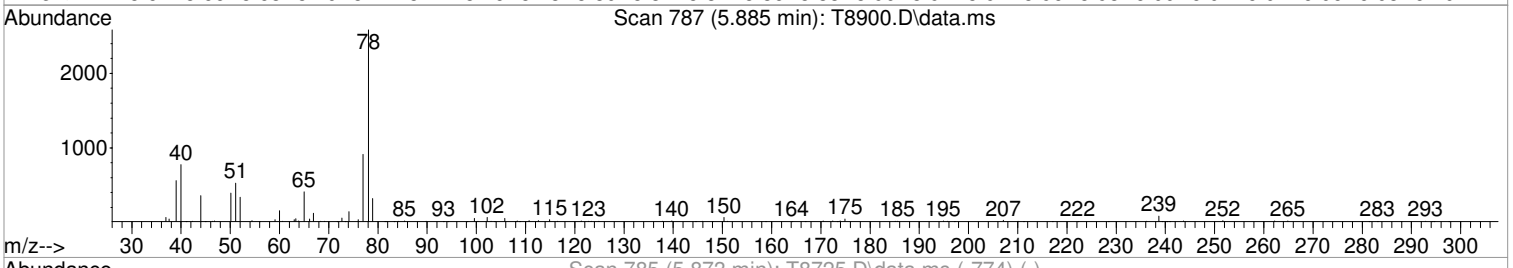
09/23/21

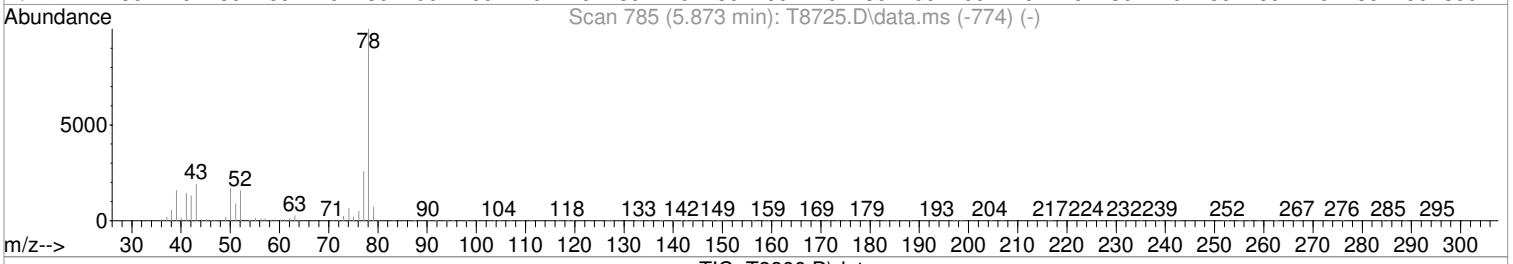
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8900.D
Acq On : 22 Sep 2021 7:08 pm
Operator : F.NAEGLER
Sample : R2109635-009|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 08:14:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8900.D\data.ms

(47) Benzene (P)

5.885min (+0.012) 0.57 ug/L m

response 6819

Ion	Exp%	Act%
78.10	100	100
51.10	18.60	20.32
52.10	15.80	13.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

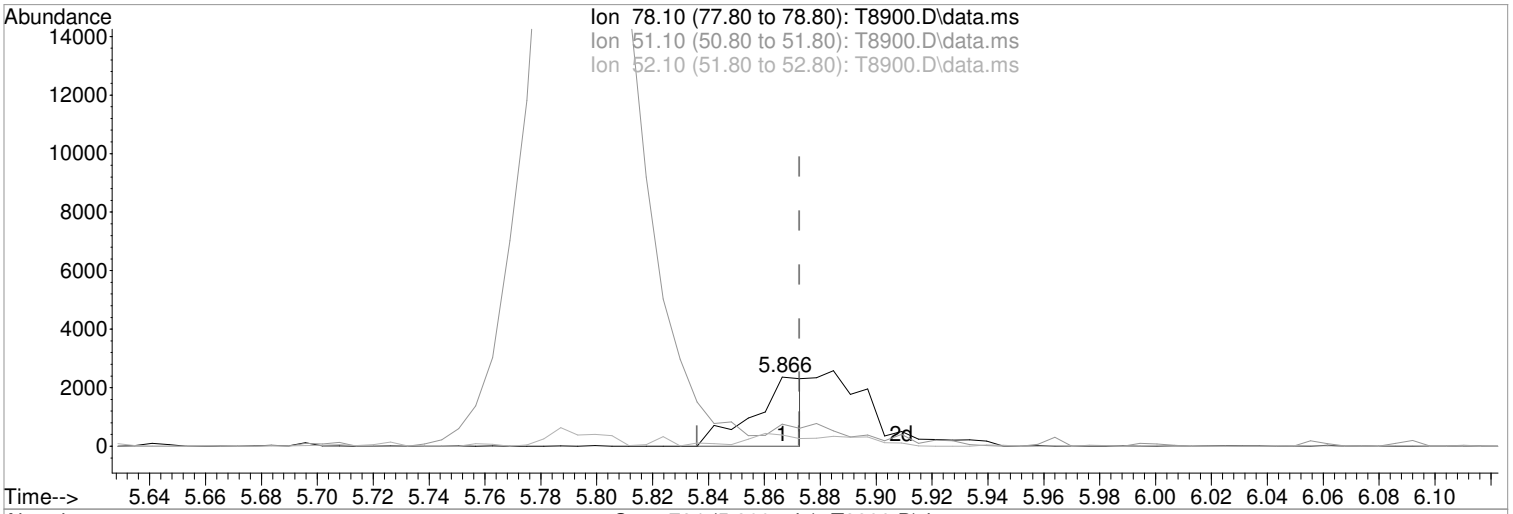
09/23/21

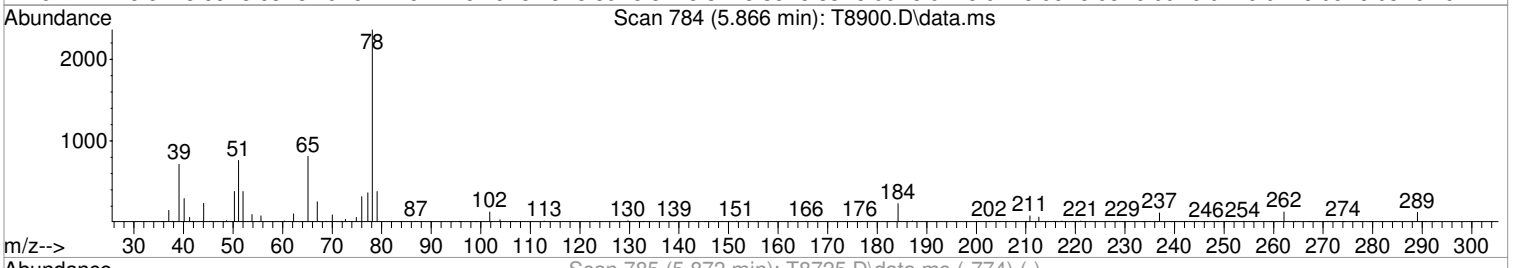
1st FN 09/23/21
2nd 09/23/21

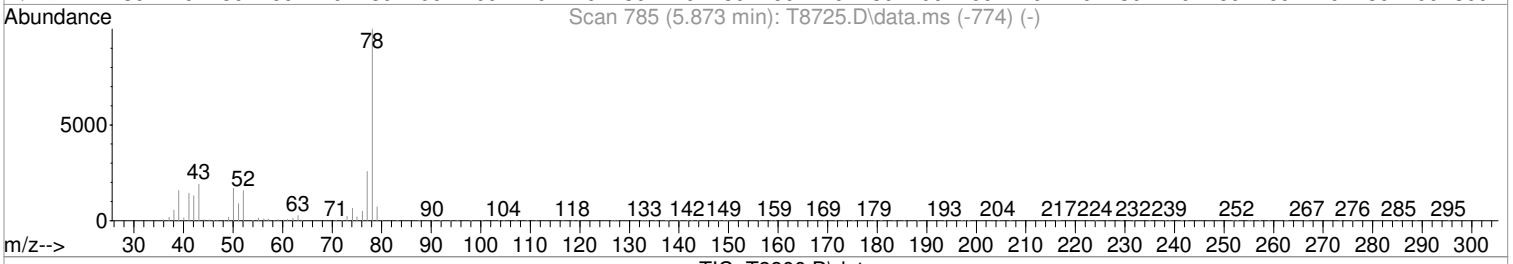
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8900.D
Acq On : 22 Sep 2021 7:08 pm
Operator : F.NAEGLER
Sample : R2109635-009|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 08:14:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8900.D\data.ms

(47) Benzene (P)

5.866min (-0.006) 0.25 ug/L

response 2953

Ion	Exp%	Act%
78.10	100	100
51.10	18.60	32.15
52.10	15.80	16.09
0.00	0.00	0.00

Manual Integration:

Before

09/23/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8900.D
Acq On : 22 Sep 2021 7:08 pm
Operator : F.NAEGLER
Sample : R2109635-009|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 12:51:40 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

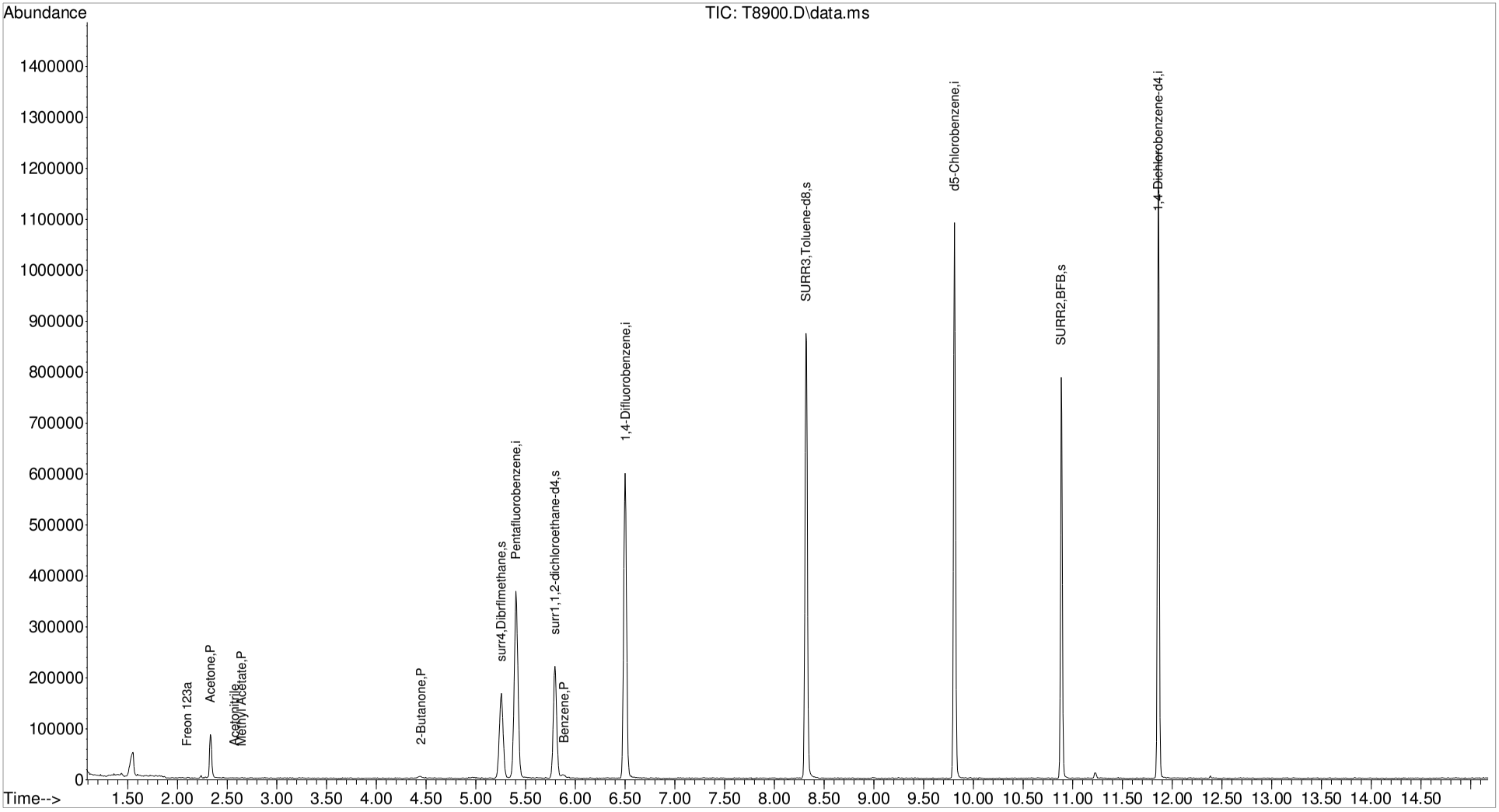
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	330604	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	511531	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	470649	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	222843	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	130962	45.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 91.72%			
46) surr1,1,2-dichloroetha...	5.793	65	179999	48.59	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.18%			
64) SURR3,Toluene-d8	8.317	98	551955	47.83	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.66%			
69) SURR2,BFB	10.884	95	190009	44.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 88.72%			
Target Compounds						Qvalue
10) Freon 123a	2.093	67	753	0.21	ug/L #	17
15) Acetone	2.331	43	84810	55.40	ug/L	91
19) Acetonitrile	2.574	41	770m	1.34	ug/L	
21) Methyl Acetate	2.641	43	1485m	0.40	ug/L	
34) 2-Butanone	4.446	43	7557	3.39	ug/L	76
47) Benzene	5.885	78	6819m	0.57	ug/L	

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

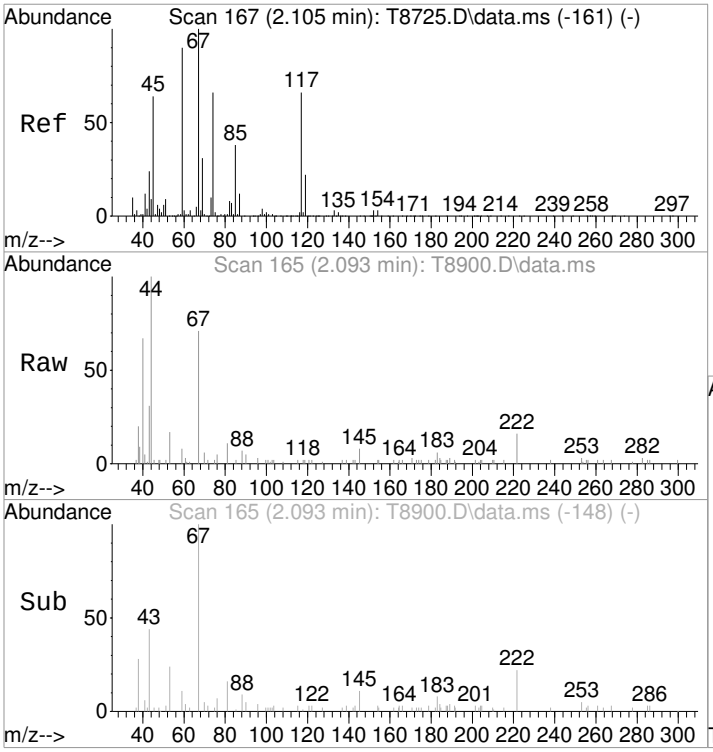
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8900.D
Acq On : 22 Sep 2021 7:08 pm
Operator : F.NAEGLER
Sample : R2109635-009|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 12:51:40 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



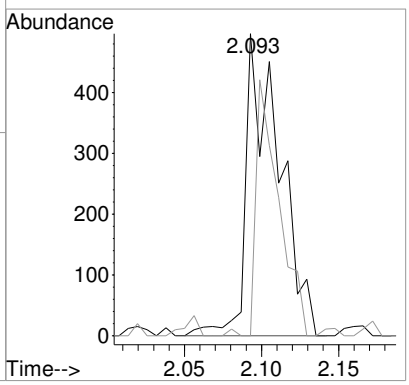
1st FJ 09/23/21
2nd 09/23/21

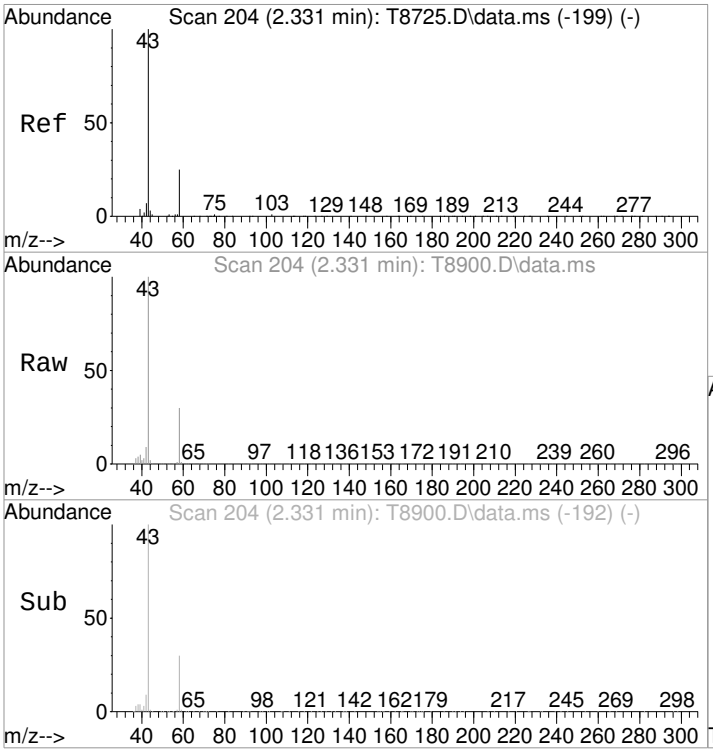


#10
Freon 123a
Concen: 0.21 ug/L
RT: 2.093 min Scan# 165
Delta R.T. -0.012 min
Lab File: T8900.D
Acq: 22 Sep 2021 7:08 pm

Tgt Ion: 67 Resp: 753

Ion	Ratio	Lower	Upper
67	100		
117	0.0	46.3	86.3#

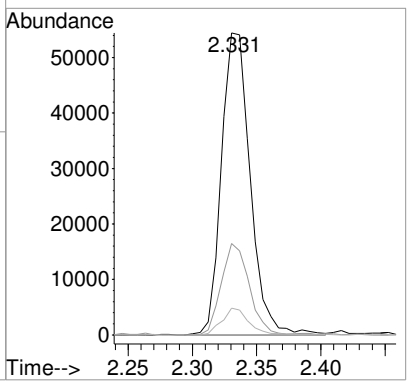


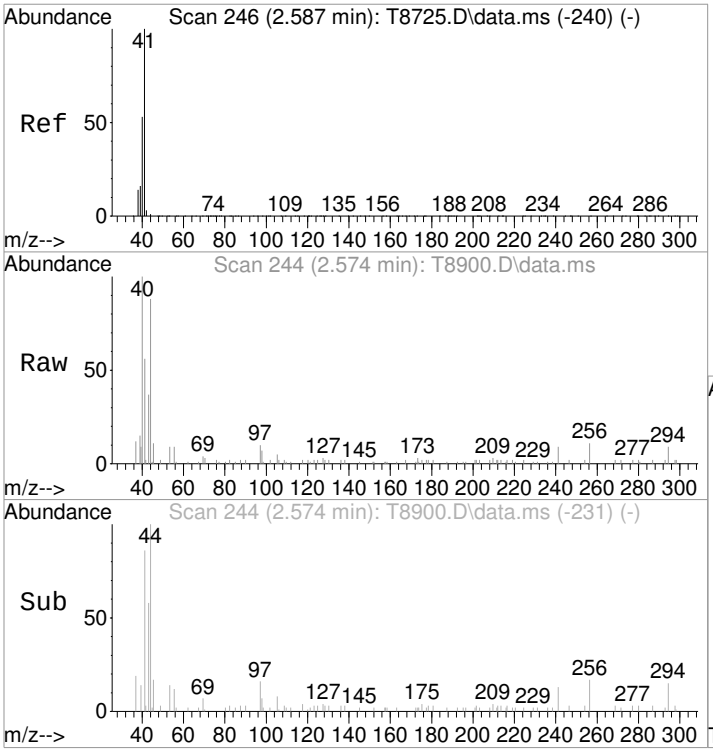


#15
Acetone
Concen: 55.40 ug/L
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: T8900.D
Acq: 22 Sep 2021 7:08 pm

Tgt Ion: 43 Resp: 84810

Ion	Ratio	Lower	Upper
43	100		
58	30.3	4.9	44.9
42	8.8	0.0	27.1

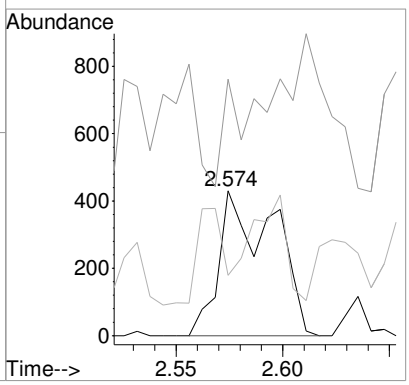


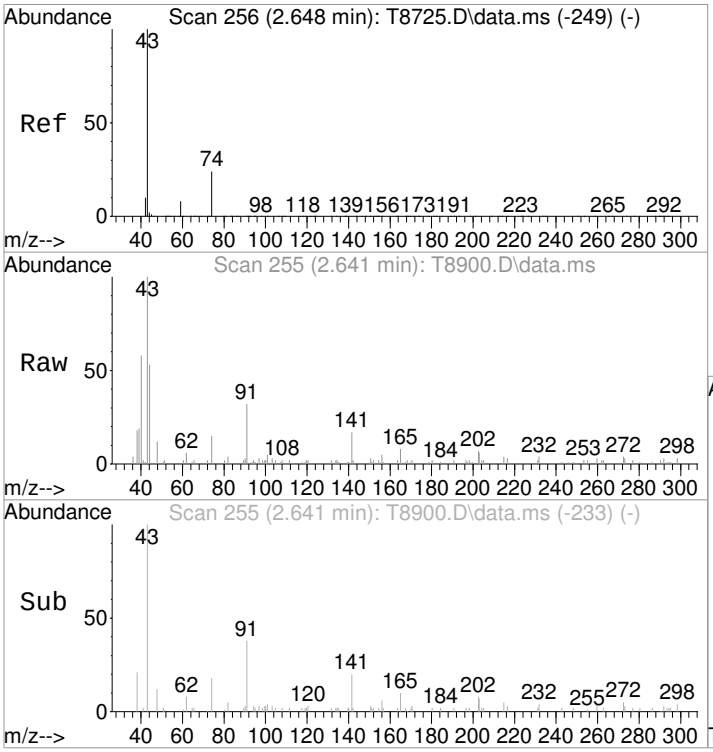


#19
Acetonitrile
Concen: 1.34 ug/L m
RT: 2.574 min Scan# 244
Delta R.T. -0.012 min
Lab File: T8900.D
Acq: 22 Sep 2021 7:08 pm

Tgt Ion: 41 Resp: 770

Ion	Ratio	Lower	Upper
41	100		
40	177.2	33.4	73.4#
39	25.8	0.0	36.6

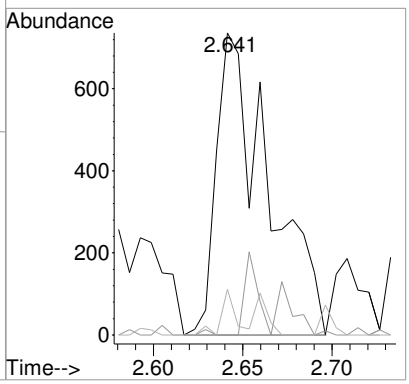


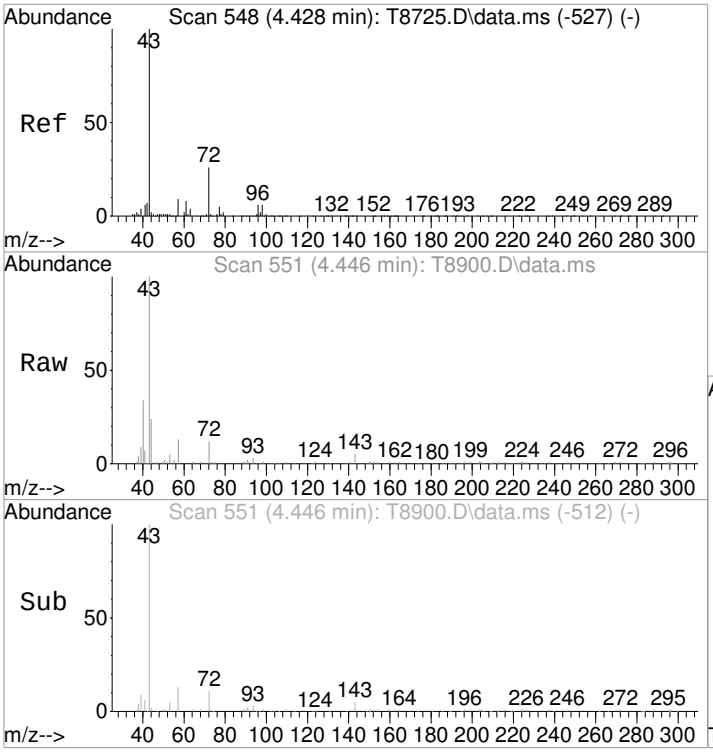


#21
Methyl Acetate
Concen: 0.40 ug/L m
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T8900.D
Acq: 22 Sep 2021 7:08 pm

Tgt Ion: 43 Resp: 1485

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	15.1	4.4	44.4

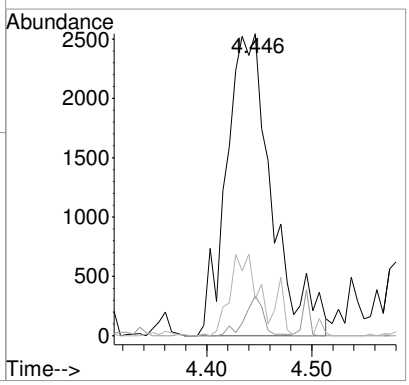


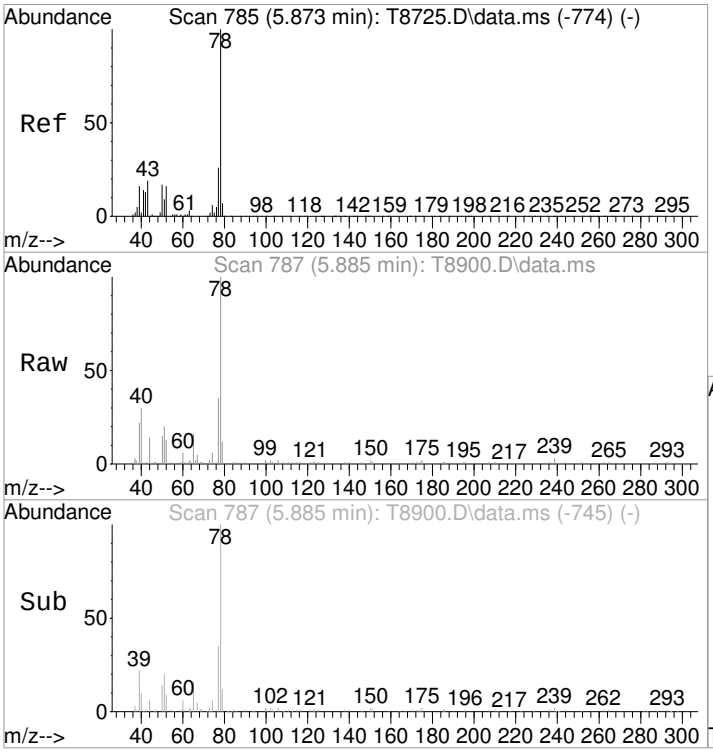


#34
2-Butanone
Concen: 3.39 ug/L
RT: 4.446 min Scan# 551
Delta R.T. 0.018 min
Lab File: T8900.D
Acq: 22 Sep 2021 7:08 pm

Tgt Ion: 43 Resp: 7557

Ion	Ratio	Lower	Upper
43	100		
57	13.2	0.0	28.5
72	12.2	6.2	46.2

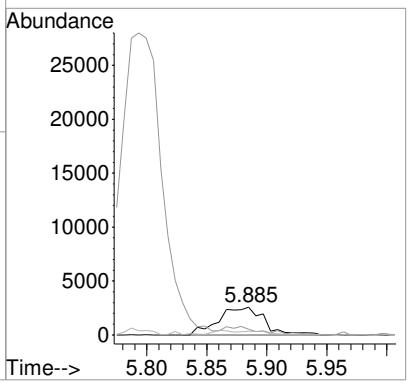




#47
Benzene
Concen: 0.57 ug/L m
RT: 5.885 min Scan# 787
Delta R.T. 0.012 min
Lab File: T8900.D
Acq: 22 Sep 2021 7:08 pm

Tgt Ion: 78 Resp: 6819

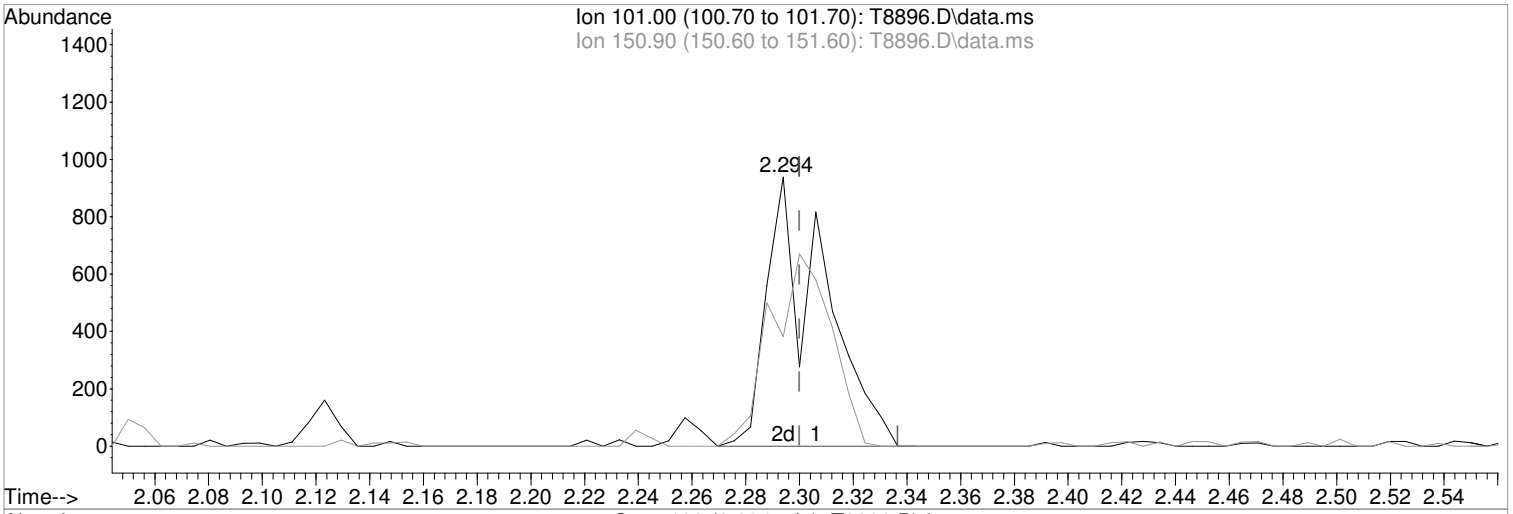
Ion	Ratio	Lower	Upper
78	100		
51	20.3	0.0	38.6
52	13.0	0.0	35.8

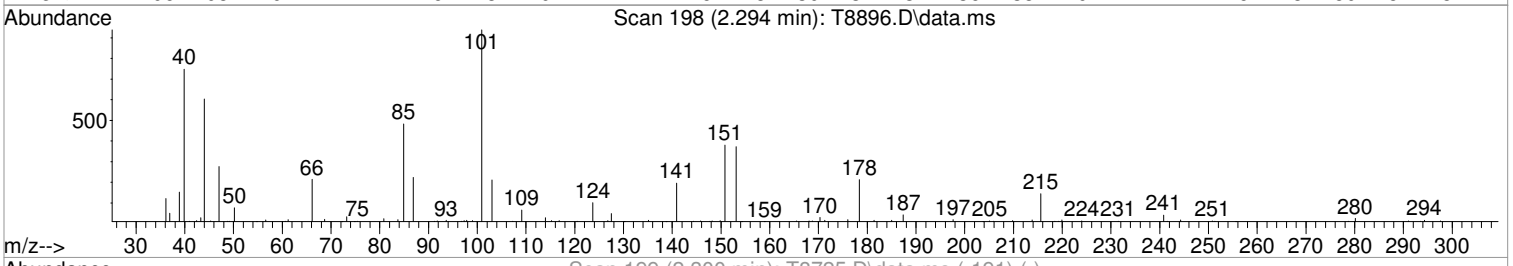


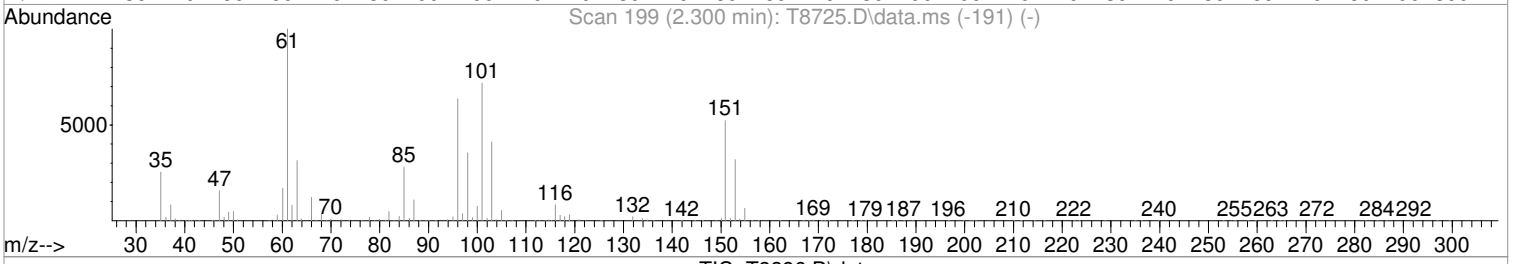
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8896.D
Acq On : 22 Sep 2021 5:41 pm
Operator : F.NAEGLER
Sample : R2109635-010|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 08:12:28 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8896.D\data.ms

(14) Freon 113 (P)

2.294min (-0.006) 0.51 ug/L m

response 1371

Ion	Exp%	Act%
101.00	100	100
150.90	72.80	40.62#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

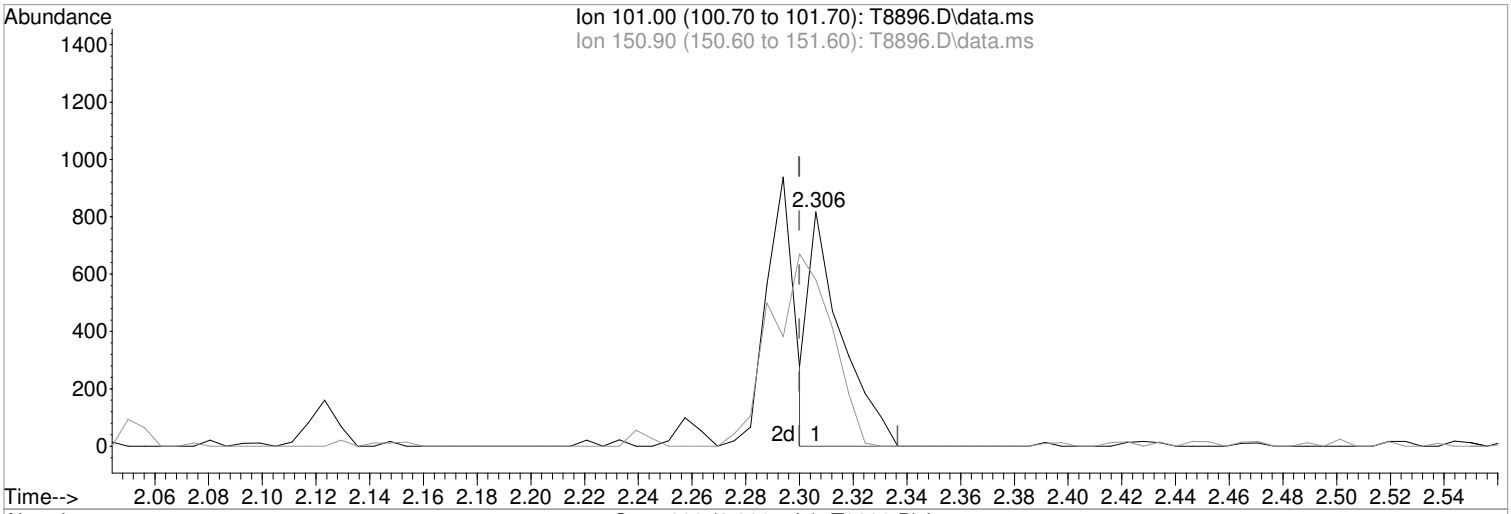
Poor integration.

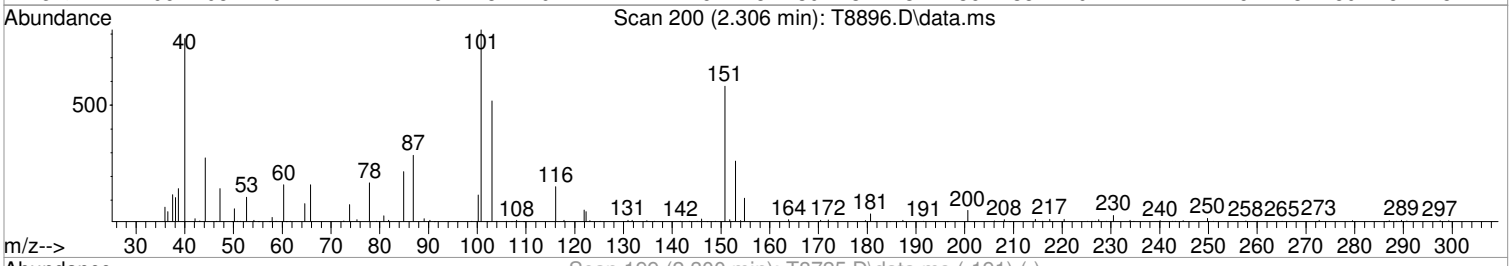
09/23/21

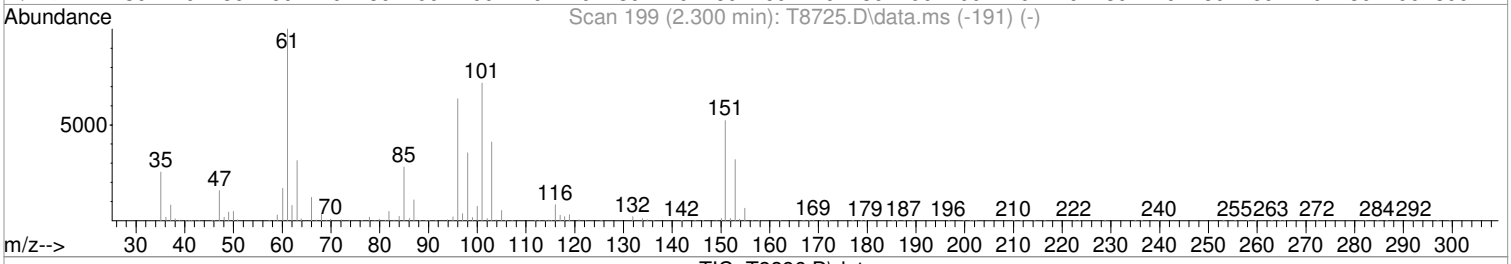
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8896.D
Acq On : 22 Sep 2021 5:41 pm
Operator : F.NAEGLER
Sample : R2109635-010|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 08:12:28 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8896.D\data.ms

(14) Freon 113 (P)

2.306min (+0.006) 0.26 ug/L

response 690

Ion	Exp%	Act%
101.00	100	100
150.90	72.80	70.99
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

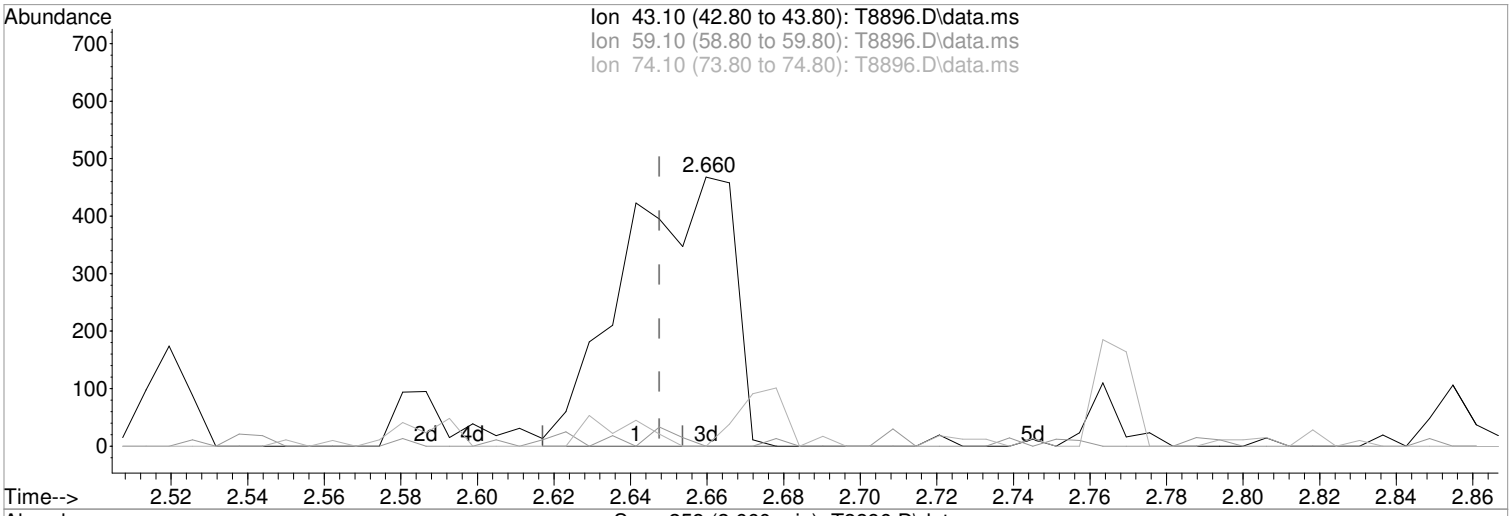
Before

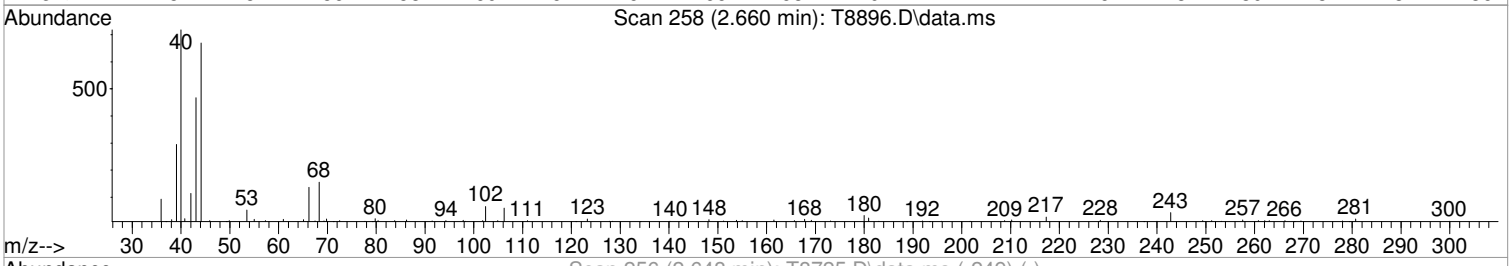
09/23/21

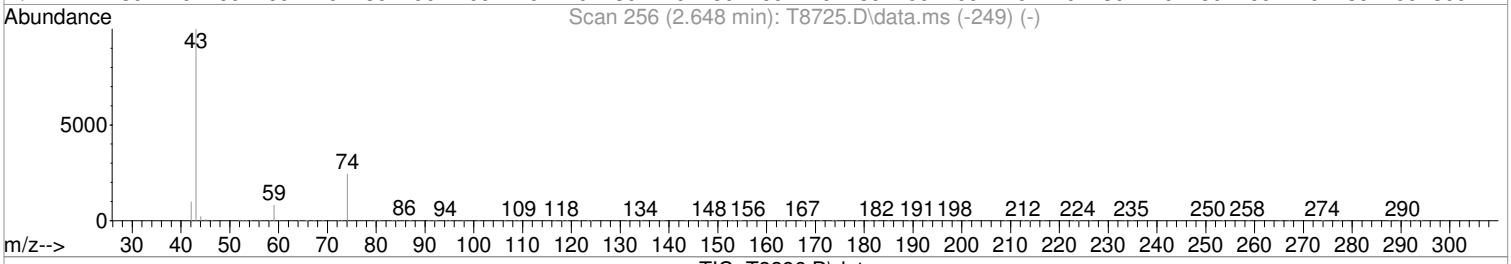
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8896.D
Acq On : 22 Sep 2021 5:41 pm
Operator : F.NAEGLER
Sample : R2109635-010|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 08:12:28 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8896.D\data.ms

(21) Methyl Acetate (P)

2.660min (+0.012) 0.24 ug/L m

response 934

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	0.00#
0.00	0.00	0.00

Manual Integration:

After

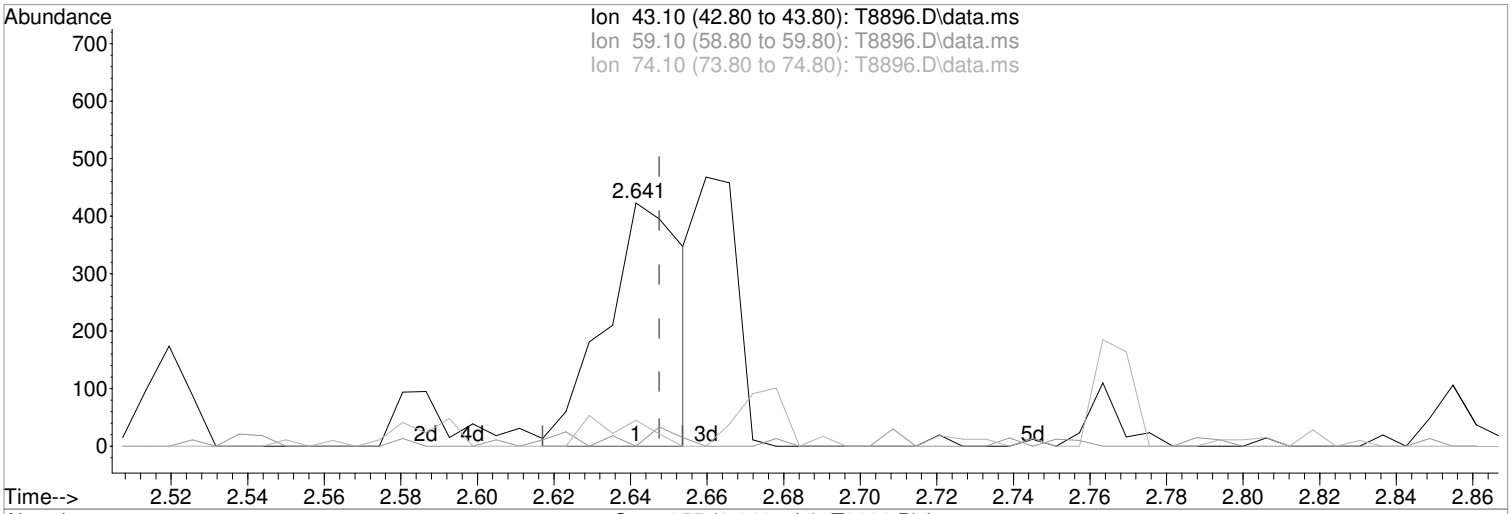
Poor integration.

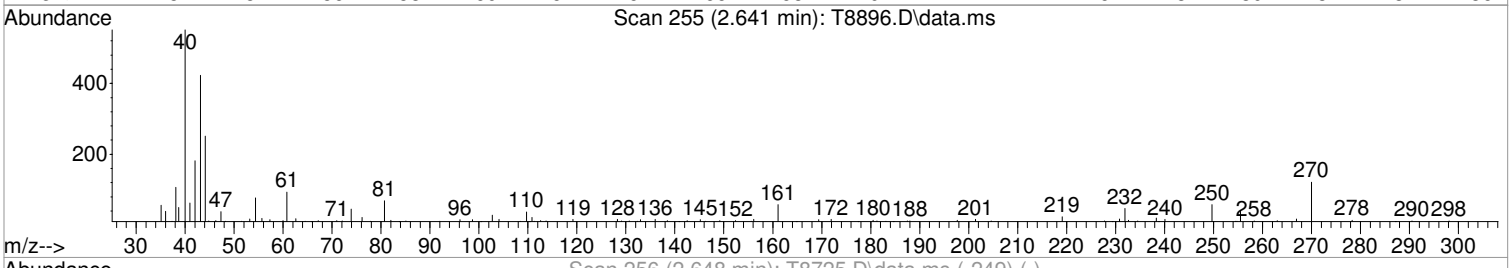
09/23/21

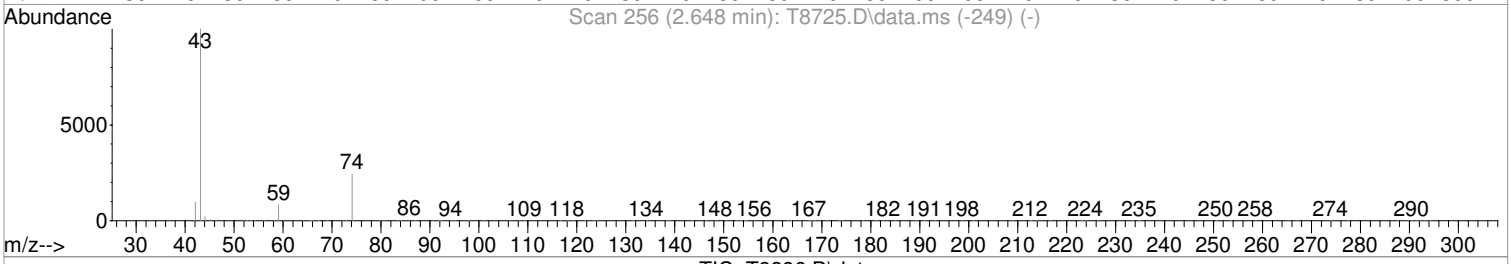
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8896.D
Acq On : 22 Sep 2021 5:41 pm
Operator : F.NAEGLER
Sample : R2109635-010|1.0 Inst : MSVOA10
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Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8896.D\data.ms

(21) Methyl Acetate (P)

2.641min (-0.006) 0.15 ug/L

response 591

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	10.64
0.00	0.00	0.00

Manual Integration:

Before

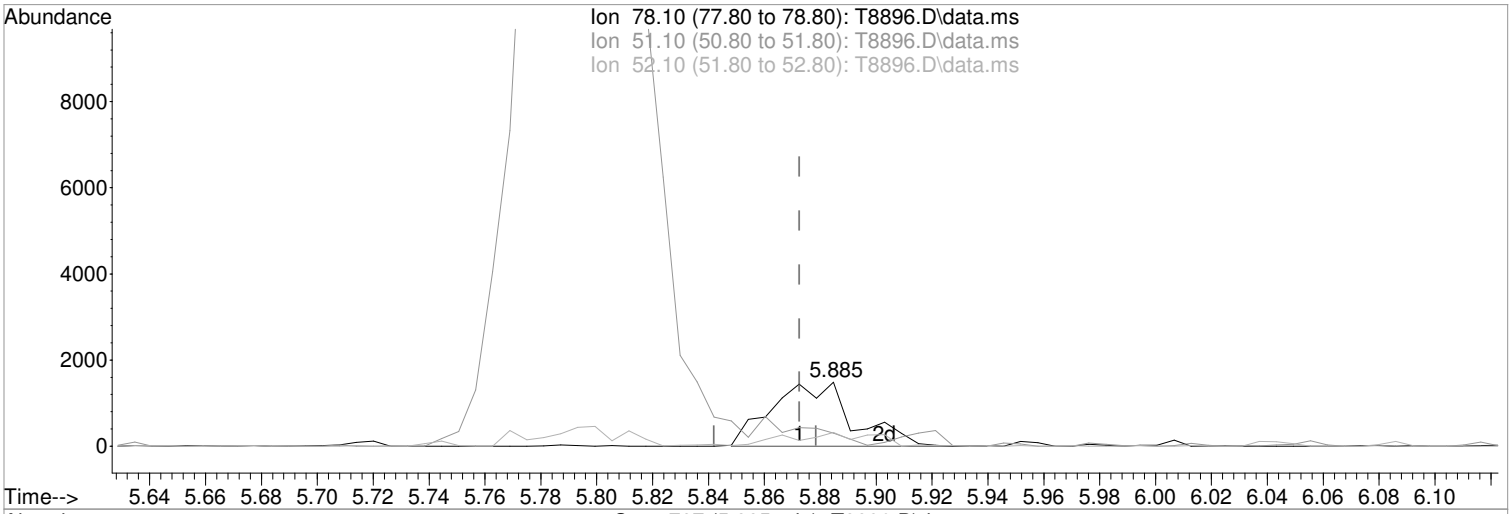
09/23/21

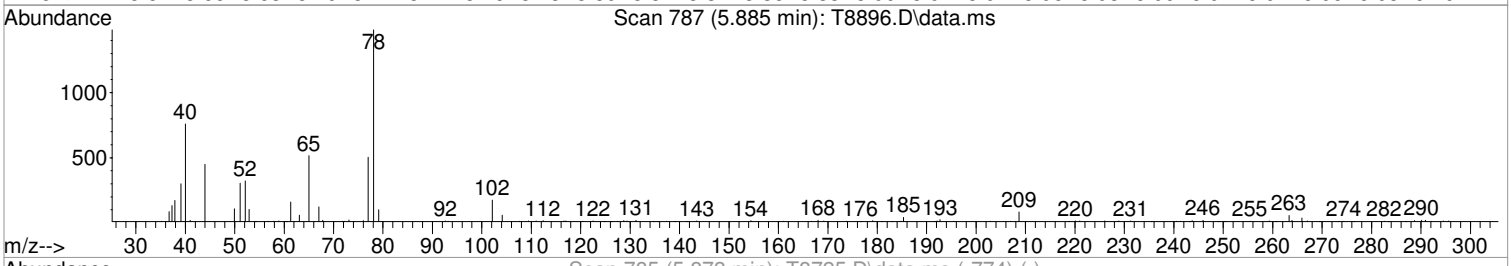
1st FN 09/23/21
2nd 09/23/21

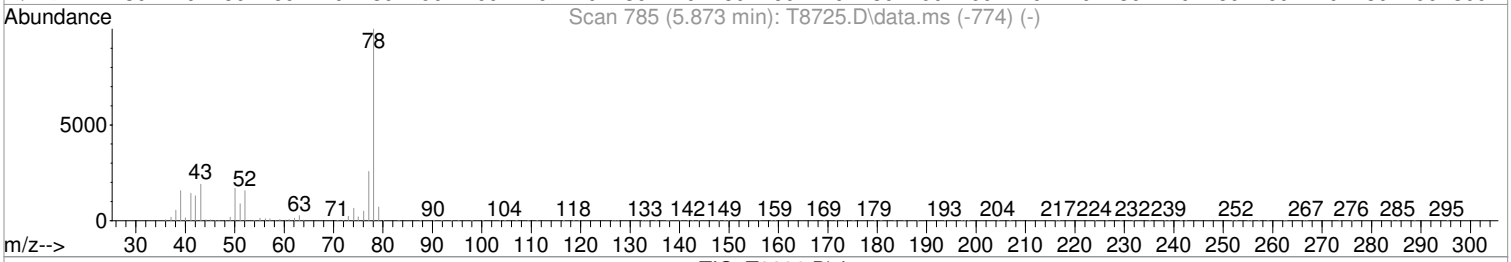
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8896.D
Acq On : 22 Sep 2021 5:41 pm
Operator : F.NAEGLER
Sample : R2109635-010|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 08:12:28 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8896.D\data.ms

(47) Benzene (P)

5.885min (+0.012) 0.24 ug/L m

response 2986

Ion	Exp%	Act%
78.10	100	100
51.10	18.60	20.65
52.10	15.80	21.66
0.00	0.00	0.00

Manual Integration:

After

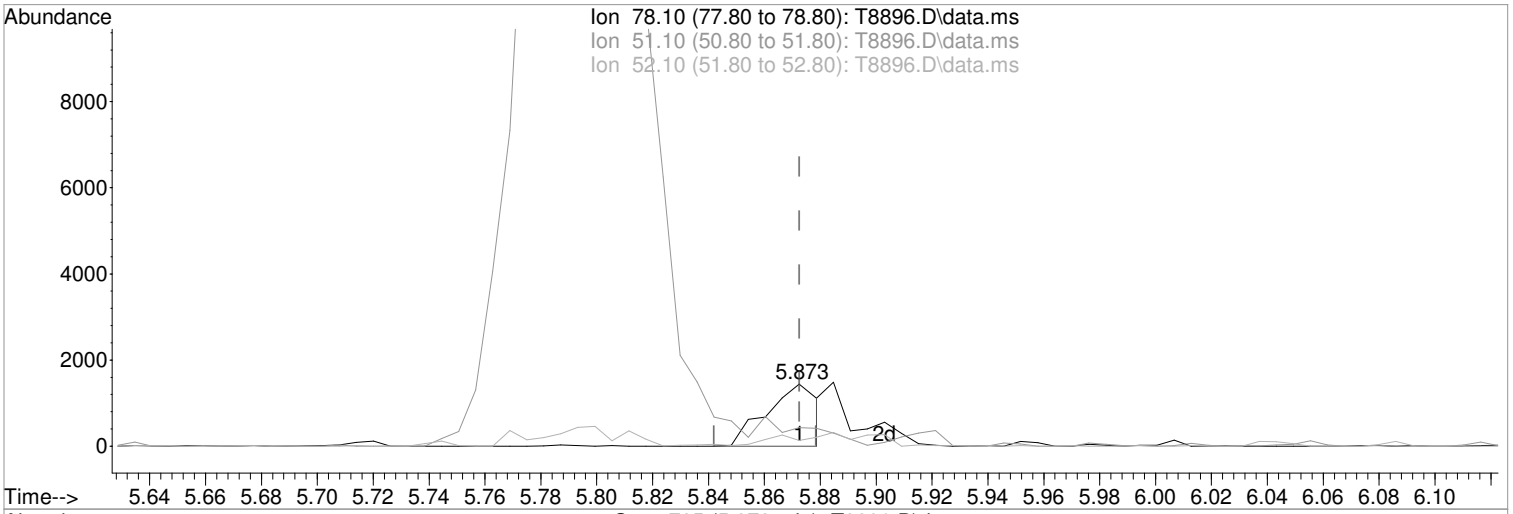
Poor integration.

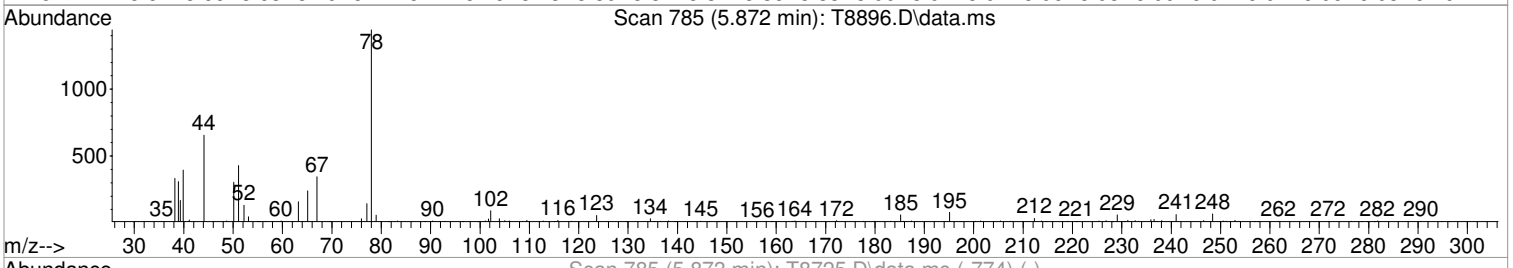
09/23/21

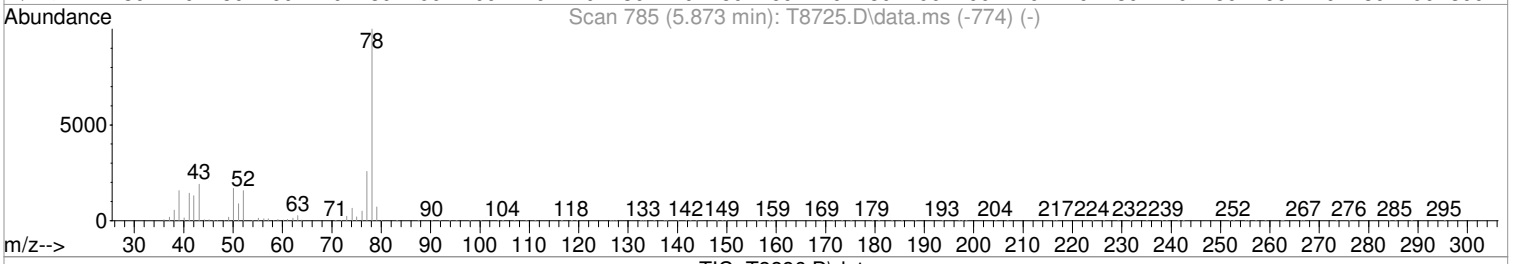
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8896.D
Acq On : 22 Sep 2021 5:41 pm
Operator : F.NAEGLER
Sample : R2109635-010|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 08:12:28 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8896.D\data.ms

(47) Benzene (P)

5.872min (-0.000) 0.15 ug/L

response 1831

Ion	Exp%	Act%
78.10	100	100
51.10	18.60	29.73
52.10	15.80	9.22
0.00	0.00	0.00

Manual Integration:

Before

09/23/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8896.D
Acq On : 22 Sep 2021 5:41 pm
Operator : F.NAEGLER
Sample : R2109635-010|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 12:46:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

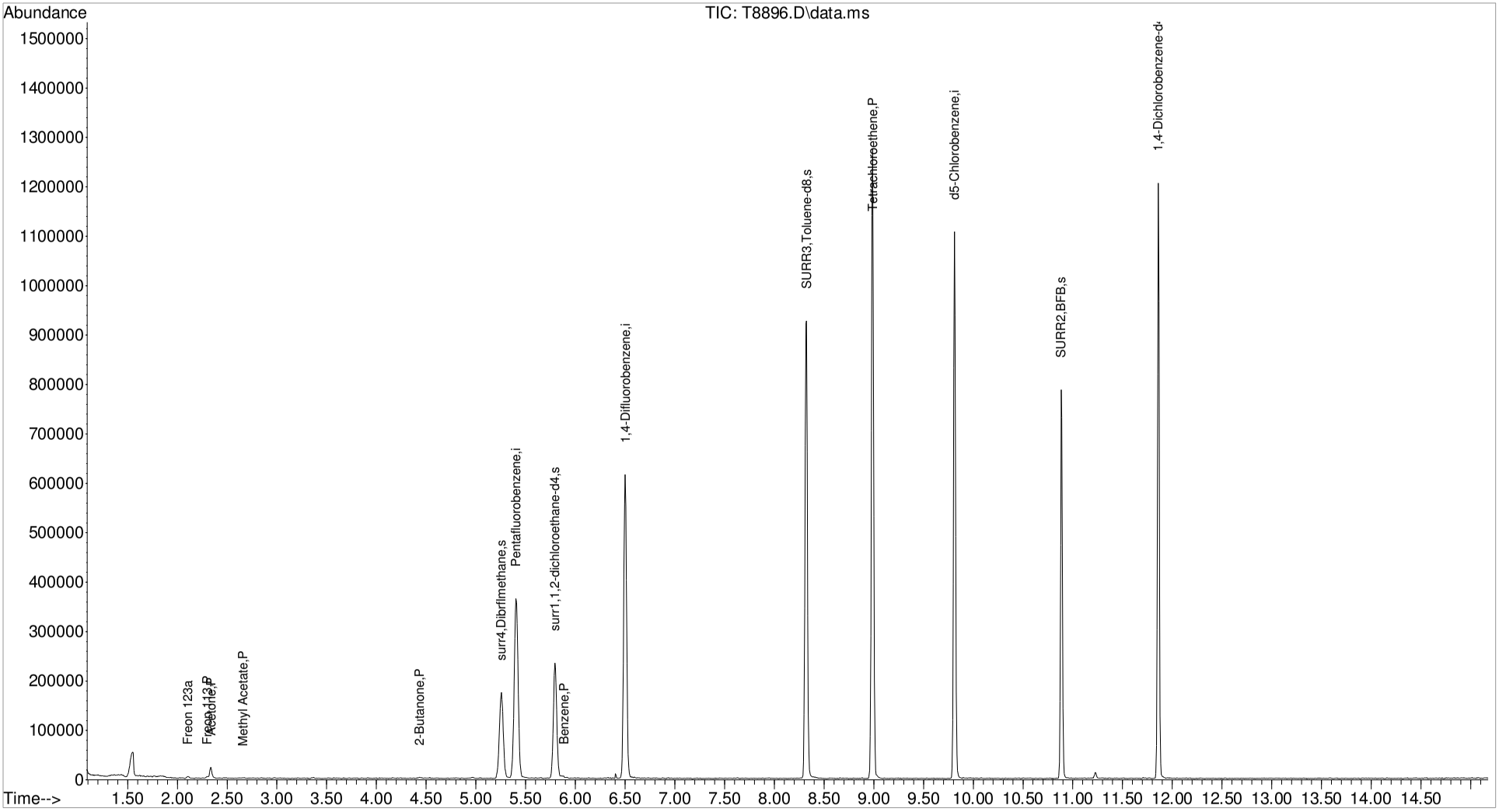
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	343190	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	528360	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	474288	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	219458	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	138709	47.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 94.04%			
46) surr1,1,2-dichloroetha...	5.793	65	191071	49.94	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.88%			
64) SURR3,Toluene-d8	8.323	98	585174	49.09	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.18%			
69) SURR2,BFB	10.884	95	188526	42.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 85.22%			
Target Compounds						Qvalue
10) Freon 123a	2.105	67	1050	0.28	ug/L	82
14) Freon 113	2.294	101	1371m	0.51	ug/L	
15) Acetone	2.337	43	20578	12.95	ug/L	92
21) Methyl Acetate	2.660	43	934m	0.24	ug/L	
34) 2-Butanone	4.434	43	3180	1.38	ug/L	94
39) Chloroform	4.970	83	894	Below Cal	#	62
47) Benzene	5.885	78	2986m	0.24	ug/L	
71) Tetrachloroethene	8.988	164	233555	108.35	ug/L	96

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

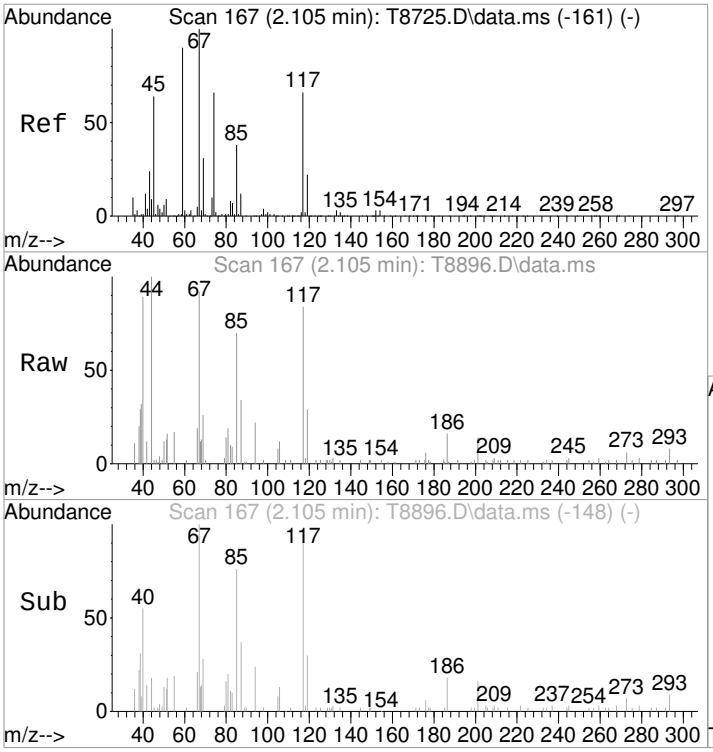
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8896.D
Acq On : 22 Sep 2021 5:41 pm
Operator : F.NAEGLER
Sample : R2109635-010|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 12:46:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



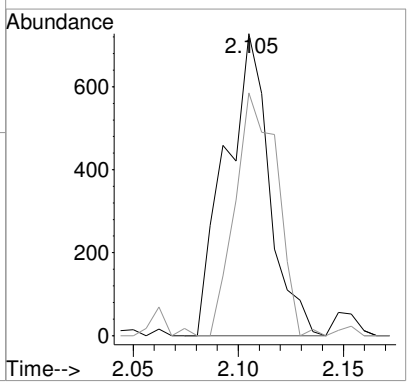
1st FN 09/23/21
2nd 09/23/21

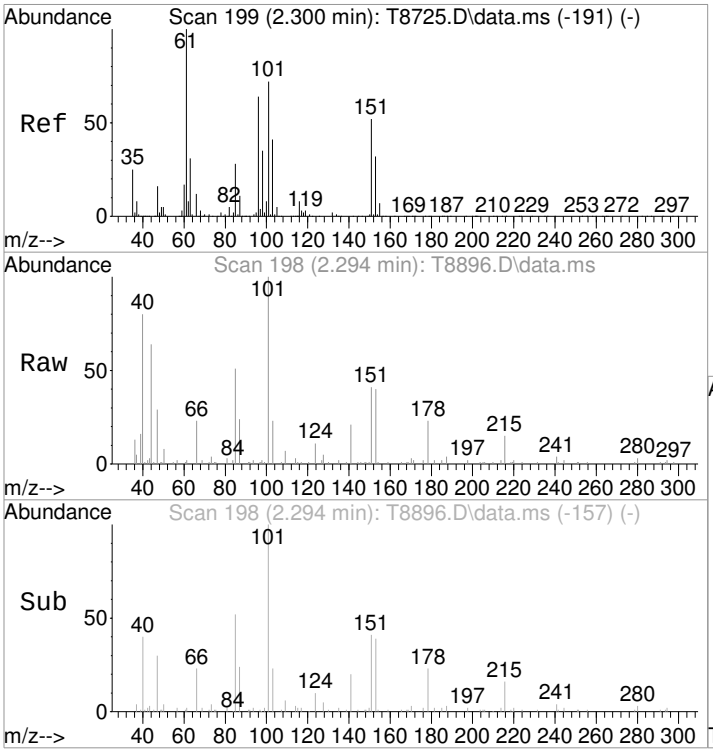


#10
Freon 123a
Concen: 0.28 ug/L
RT: 2.105 min Scan# 167
Delta R.T. -0.000 min
Lab File: T8896.D
Acq: 22 Sep 2021 5:41 pm

Tgt Ion: 67 Resp: 1050

Ion	Ratio	Lower	Upper
67	100		
117	80.4	46.3	86.3

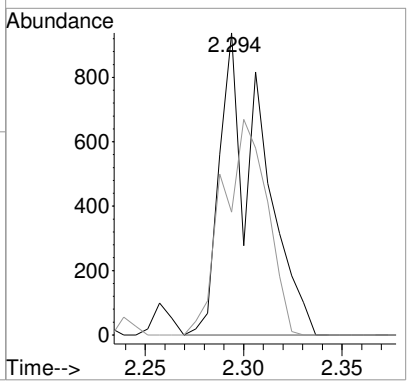


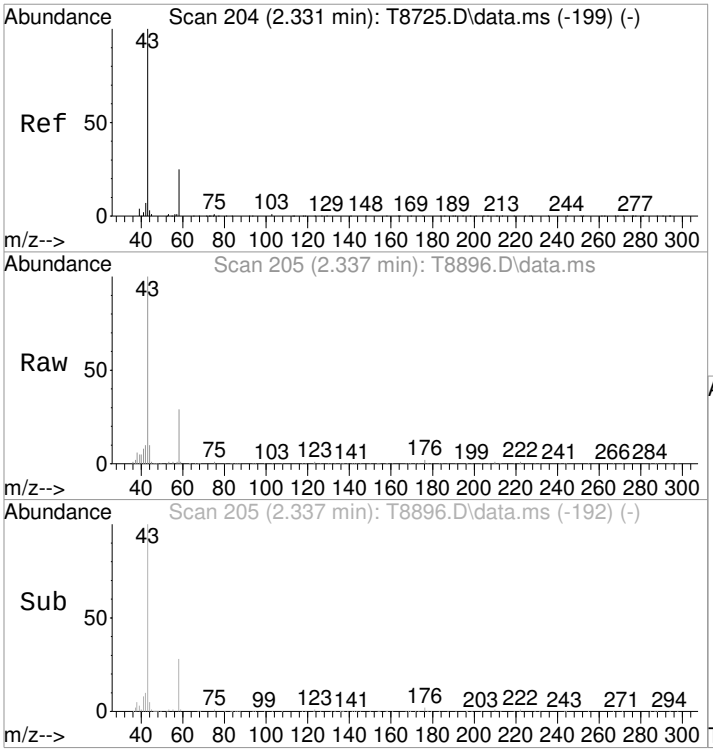


#14
Freon 113
Concen: 0.51 ug/L m
RT: 2.294 min Scan# 198
Delta R.T. -0.006 min
Lab File: T8896.D
Acq: 22 Sep 2021 5:41 pm

Tgt Ion:101 Resp: 1371

Ion	Ratio	Lower	Upper
101	100		
151	40.6	52.8	92.8#

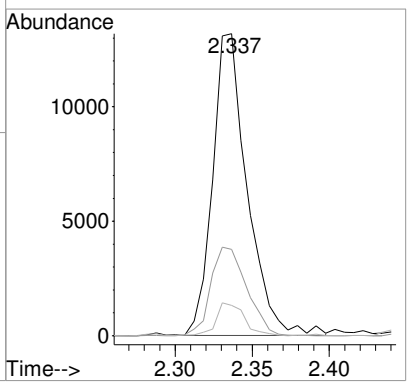


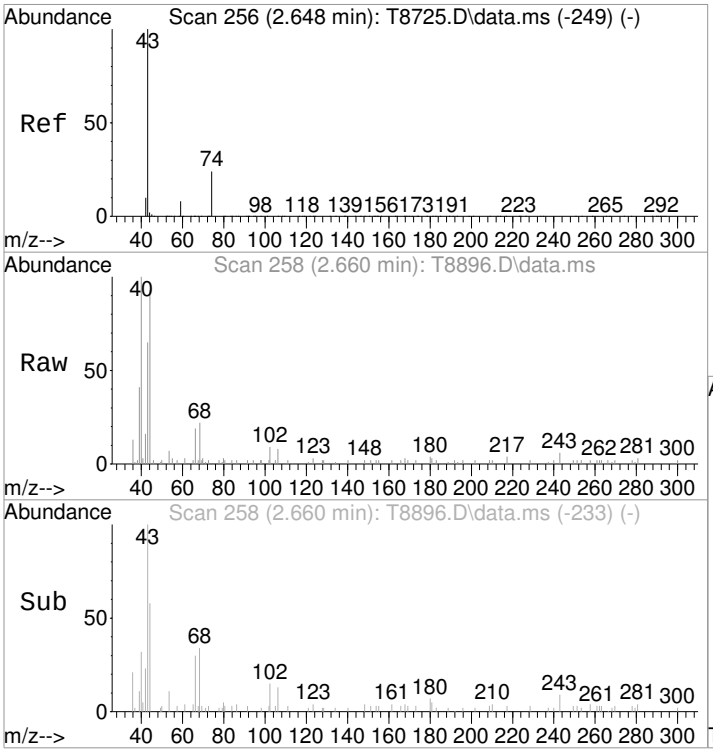


#15
Acetone
Concen: 12.95 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T8896.D
Acq: 22 Sep 2021 5:41 pm

Tgt Ion: 43 Resp: 20578

Ion	Ratio	Lower	Upper
43	100		
58	28.6	4.9	44.9
42	10.0	0.0	27.1

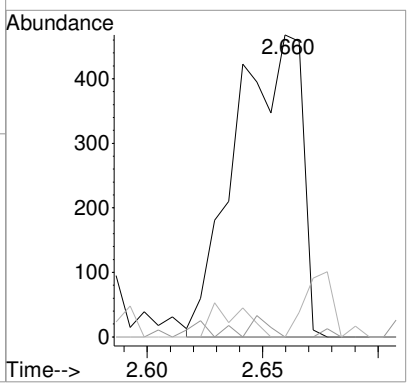


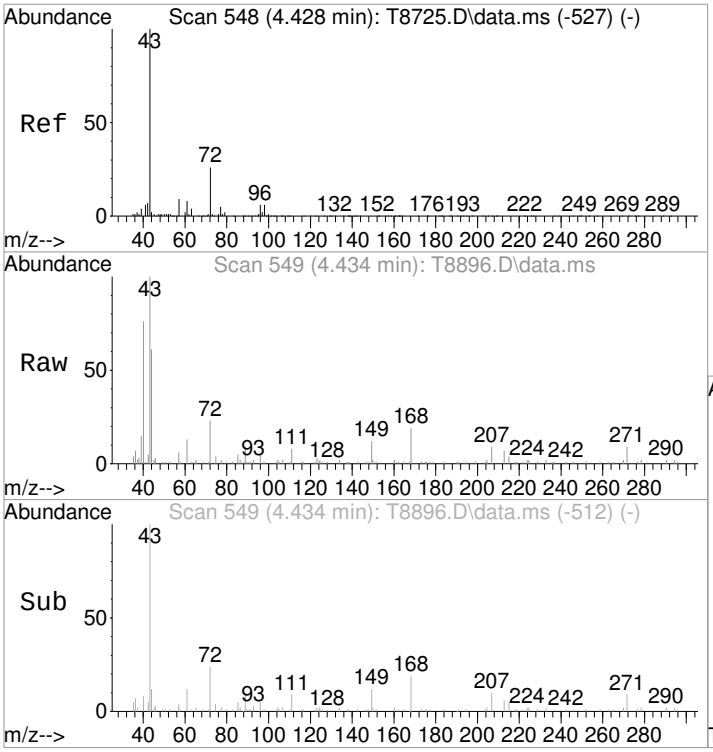


#21
Methyl Acetate
Concen: 0.24 ug/L m
RT: 2.660 min Scan# 258
Delta R.T. 0.012 min
Lab File: T8896.D
Acq: 22 Sep 2021 5:41 pm

Tgt Ion: 43 Resp: 934

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	0.0	4.4	44.4#

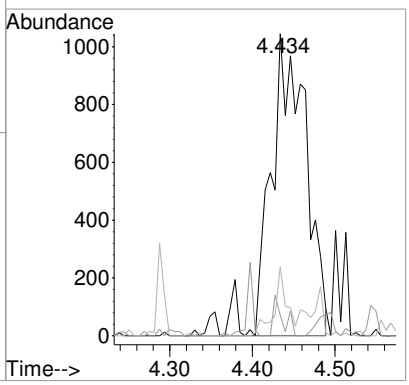


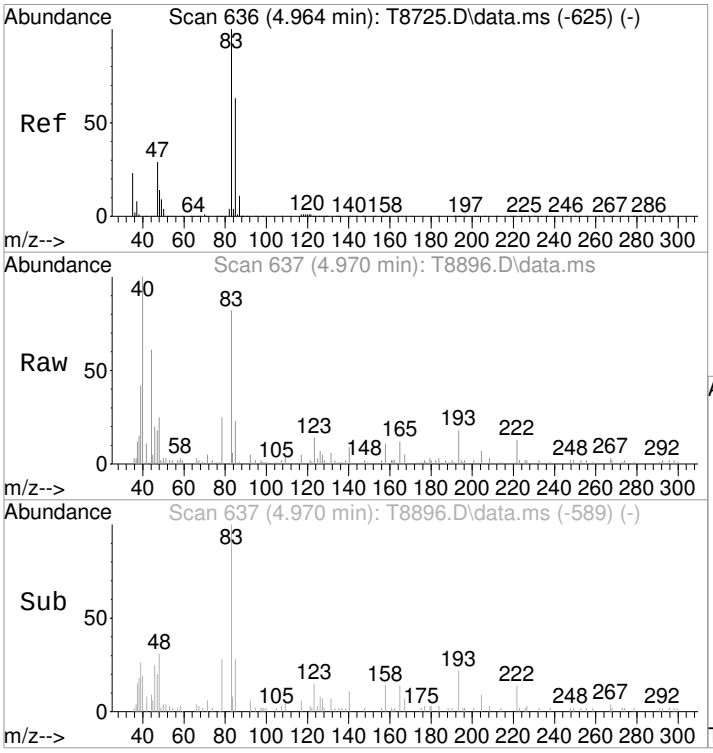


#34
2-Butanone
Concen: 1.38 ug/L
RT: 4.434 min Scan# 549
Delta R.T. 0.006 min
Lab File: T8896.D
Acq: 22 Sep 2021 5:41 pm

Tgt Ion: 43 Resp: 3180

Ion	Ratio	Lower	Upper
43	100		
57	6.8	0.0	28.5
72	22.8	6.2	46.2

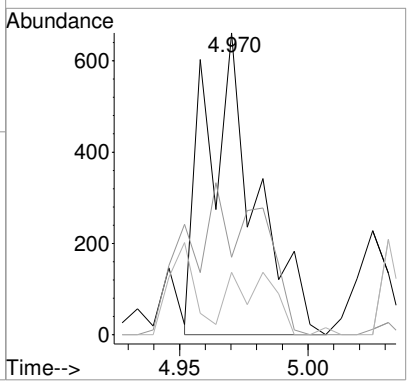


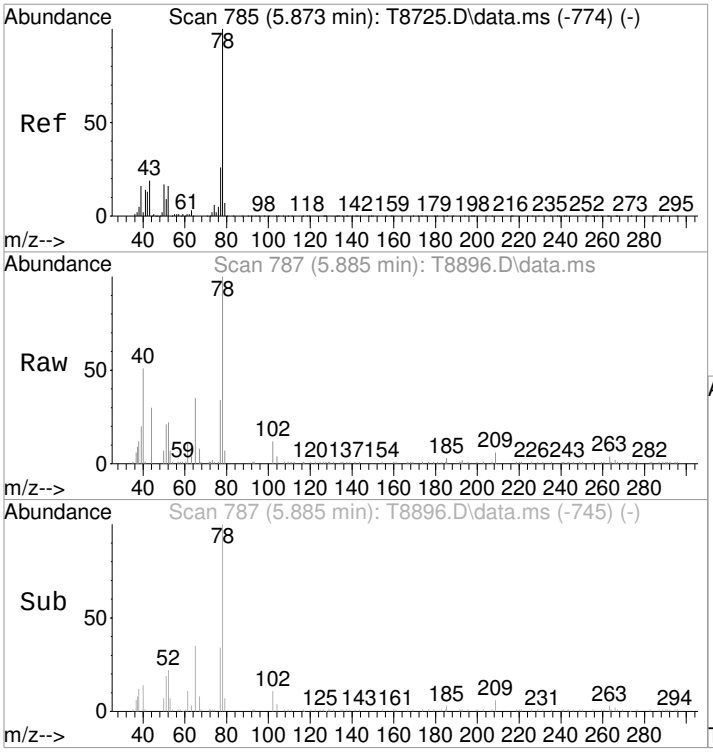


#39
Chloroform
Concen: Below Cal
RT: 4.970 min Scan# 637
Delta R.T. 0.006 min
Lab File: T8896.D
Acq: 22 Sep 2021 5:41 pm

Tgt Ion: 83 Resp: 894

Ion	Ratio	Lower	Upper
83	100		
85	25.7	43.6	83.6#
47	20.7	8.5	48.5

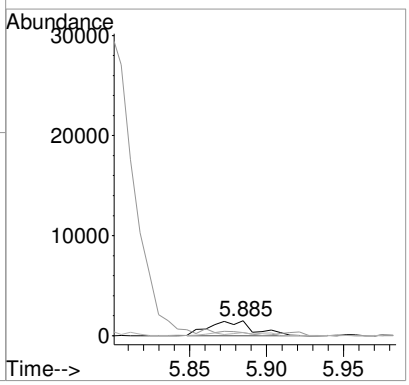


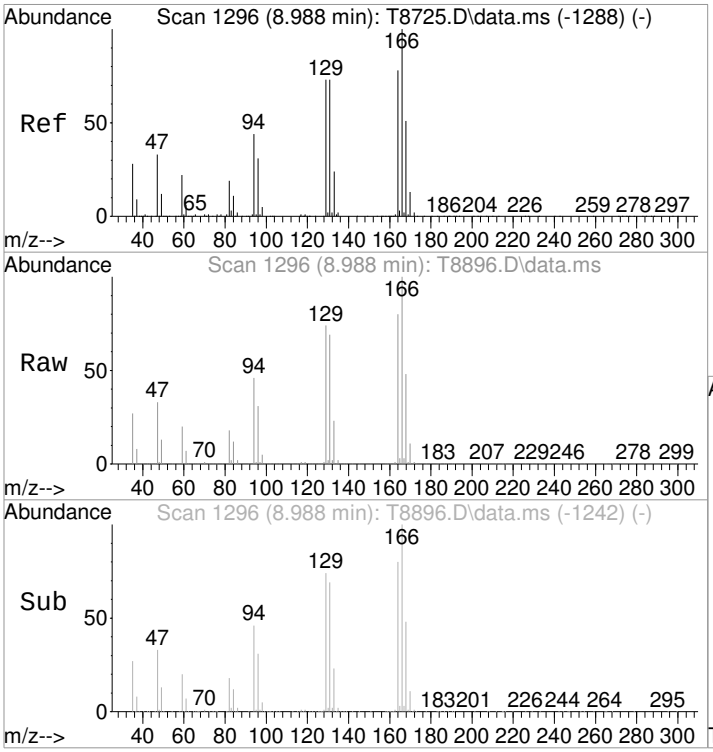


#47
Benzene
Concen: 0.24 ug/L m
RT: 5.885 min Scan# 787
Delta R.T. 0.012 min
Lab File: T8896.D
Acq: 22 Sep 2021 5:41 pm

Tgt Ion: 78 Resp: 2986

Ion	Ratio	Lower	Upper
78	100		
51	20.6	0.0	38.6
52	21.7	0.0	35.8

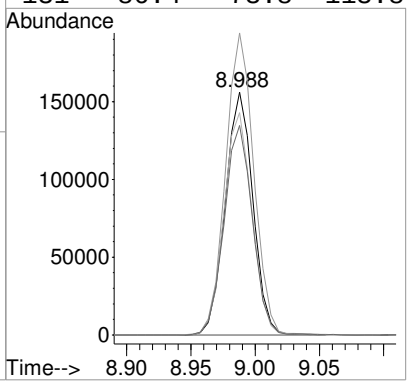




#71
Tetrachloroethene
Concen: 108.35 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. -0.000 min
Lab File: T8896.D
Acq: 22 Sep 2021 5:41 pm

Tgt Ion:164 Resp: 233555

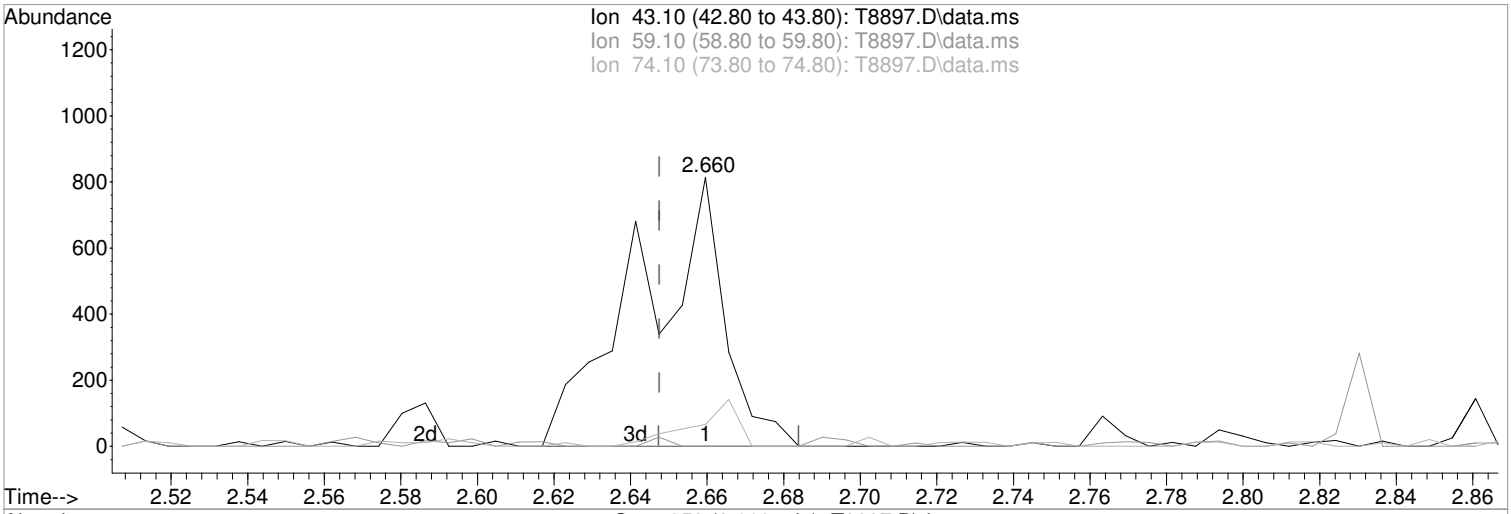
Ion	Ratio	Lower	Upper
164	100		
166	124.4	108.5	148.5
129	91.6	73.7	113.7
131	86.4	73.8	113.8

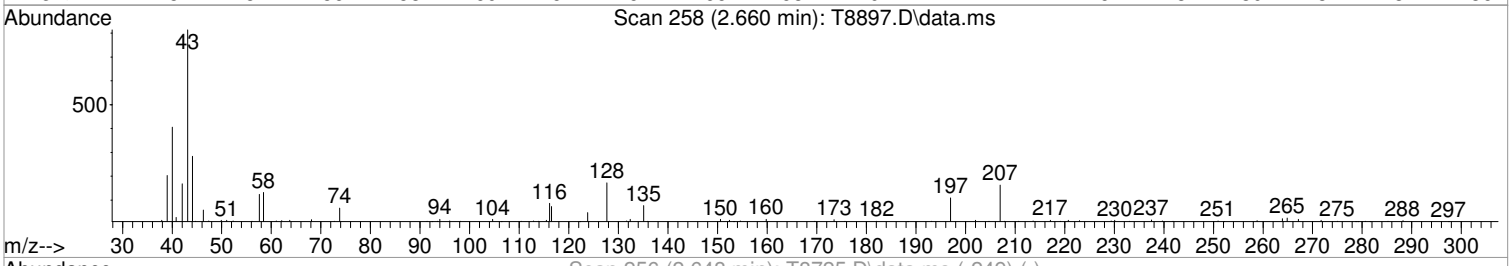


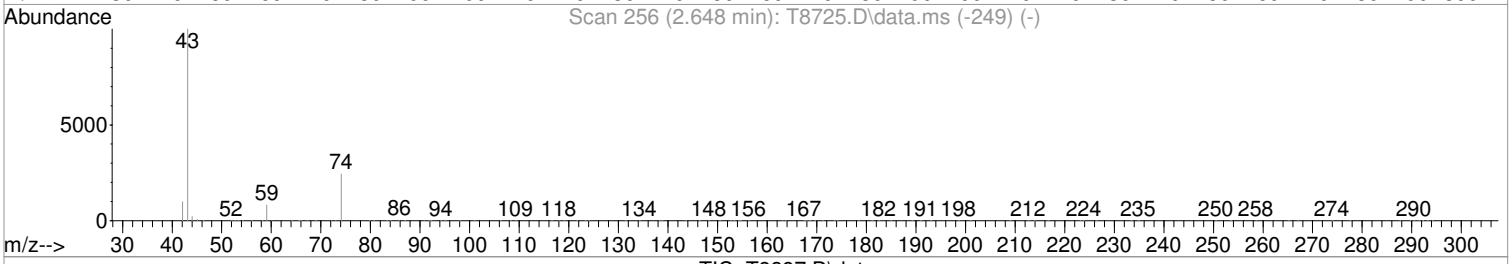
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8897.D
Acq On : 22 Sep 2021 6:02 pm
Operator : F.NAEGLER
Sample : R2109635-012|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 08:12:44 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8897.D\data.ms

(21) Methyl Acetate (P)

2.660min (+0.012) 0.34 ug/L m

response 1259

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	0.00#
0.00	0.00	0.00

Manual Integration:

After

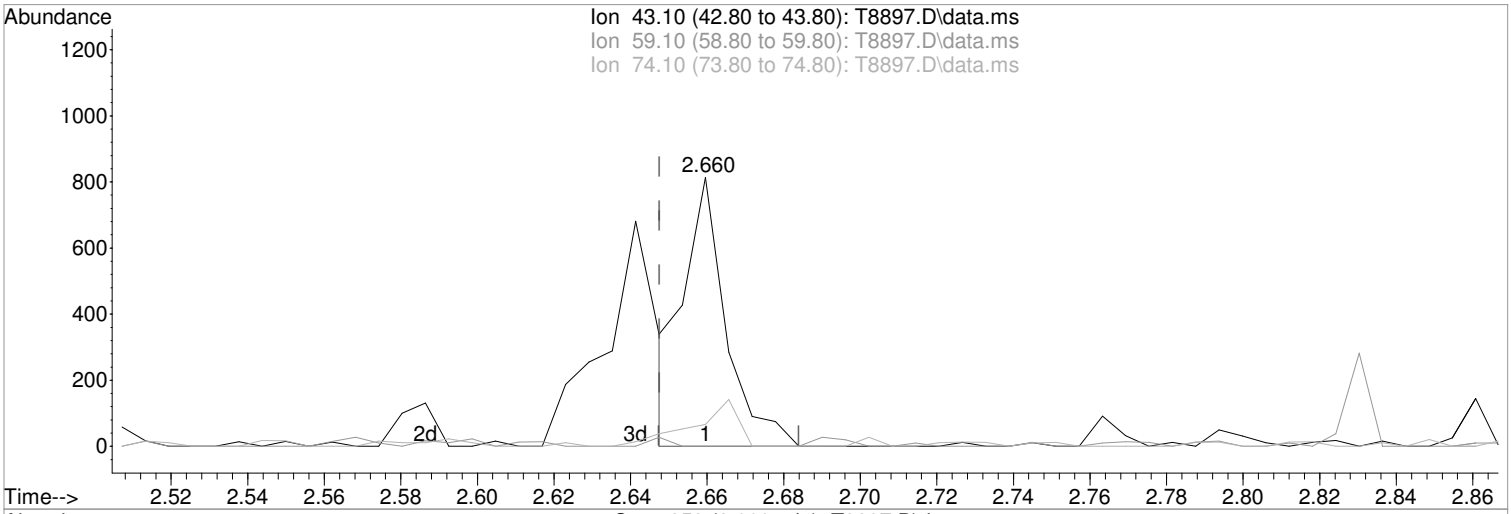
Poor integration.

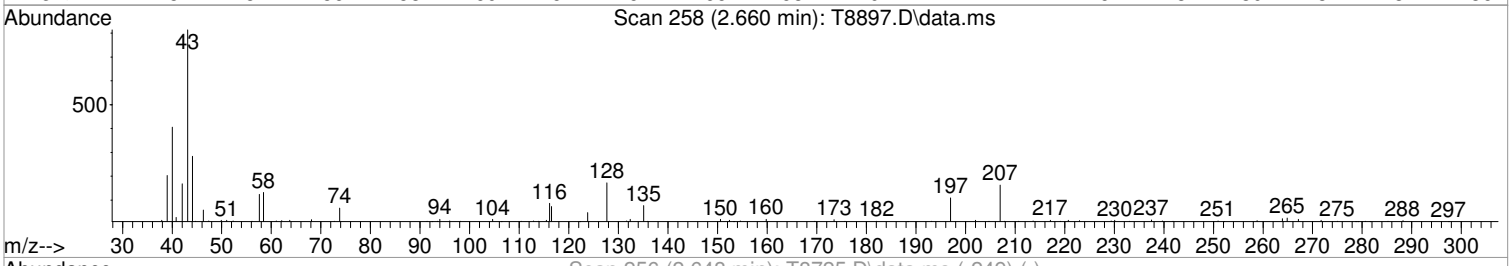
09/23/21

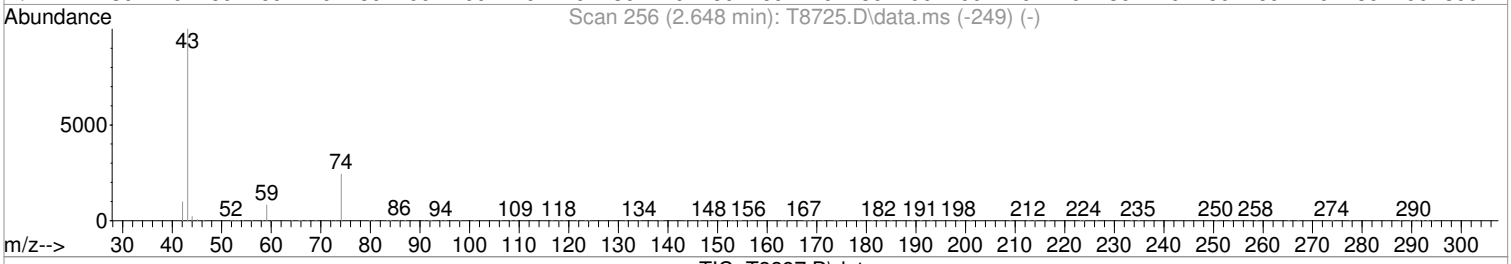
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8897.D
Acq On : 22 Sep 2021 6:02 pm
Operator : F.NAEGLER
Sample : R2109635-012|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 08:12:44 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8897.D\data.ms

(21) Methyl Acetate (P)

2.660min (+0.012) 0.17 ug/L

response 618

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	8.11
0.00	0.00	0.00

Manual Integration:

Before

09/23/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8897.D
Acq On : 22 Sep 2021 6:02 pm
Operator : F.NAEGLER
Sample : R2109635-012|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 12:47:46 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

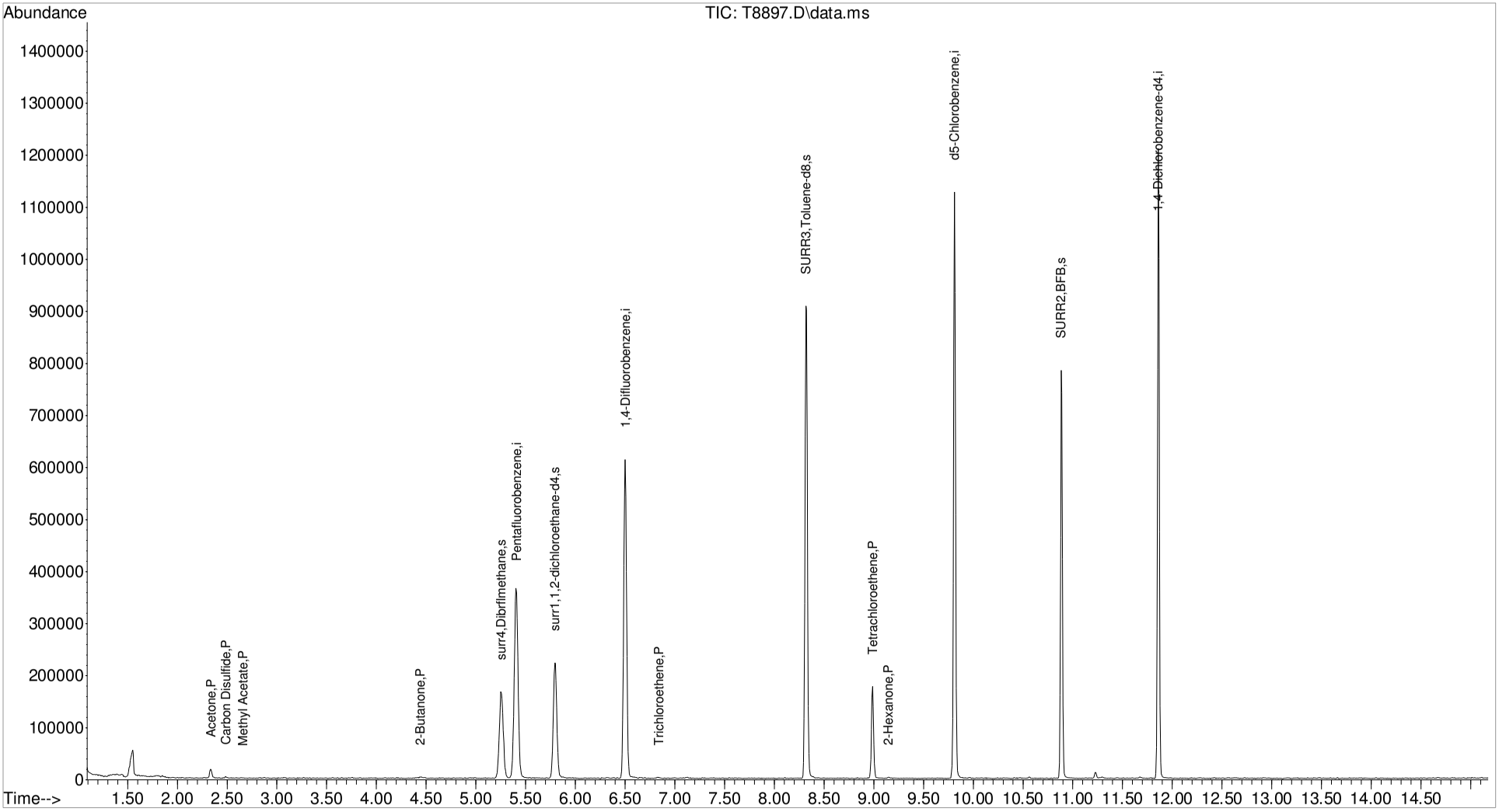
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.409	168	331048	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	524554	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	477381	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	224661	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	137427	46.93	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.86%				
46) surr1,1,2-dichloroetha...	5.793	65	188133	49.52	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.04%				
64) SURR3,Toluene-d8	8.317	98	564982	47.74	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.48%				
69) SURR2,BFB	10.884	95	189125	43.06	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 86.12%				
Target Compounds							Qvalue
15) Acetone	2.336	43	17936	11.70	ug/L		98
18) Carbon Disulfide	2.483	76	2227	0.36	ug/L		84
21) Methyl Acetate	2.660	43	1259m	0.34	ug/L		
34) 2-Butanone	4.440	43	4488	2.01	ug/L		88
53) Trichloroethene	6.836	130	970	0.32	ug/L	#	66
71) Tetrachloroethene	8.988	164	29870	13.77	ug/L		97
72) 2-Hexanone	9.146	43	1308	0.44	ug/L	#	62

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

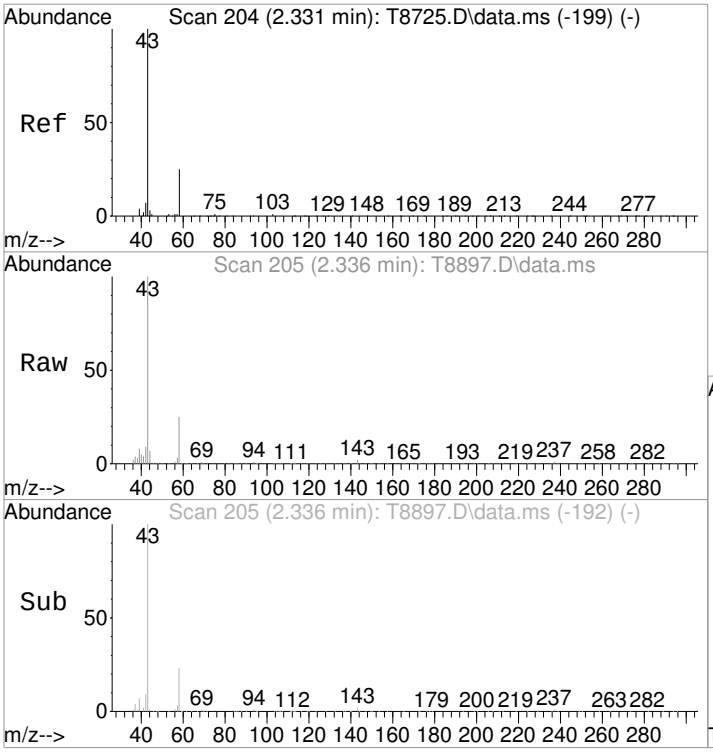
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8897.D
Acq On : 22 Sep 2021 6:02 pm
Operator : F.NAEGLER
Sample : R2109635-012|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 12:47:46 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



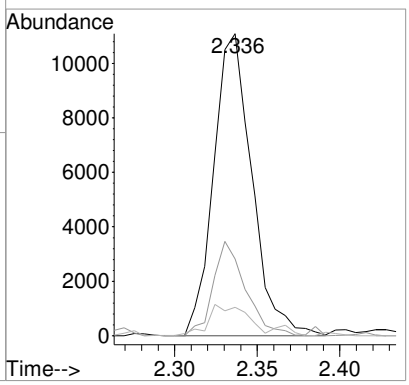
1st FJ 09/23/21
2nd 09/23/21

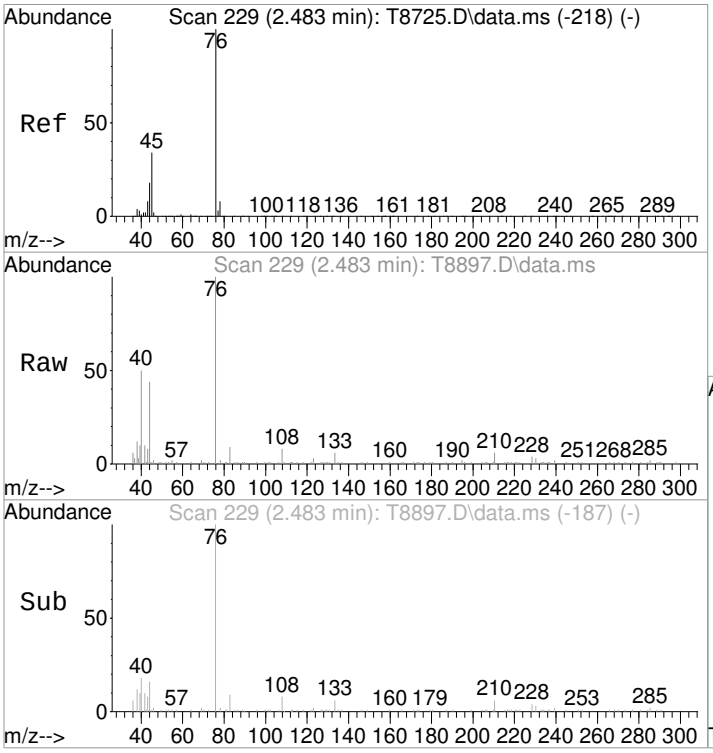


#15
Acetone
Concen: 11.70 ug/L
RT: 2.336 min Scan# 205
Delta R.T. 0.006 min
Lab File: T8897.D
Acq: 22 Sep 2021 6:02 pm

Tgt Ion: 43 Resp: 17936

Ion	Ratio	Lower	Upper
43	100		
58	25.4	4.9	44.9
42	9.4	0.0	27.1

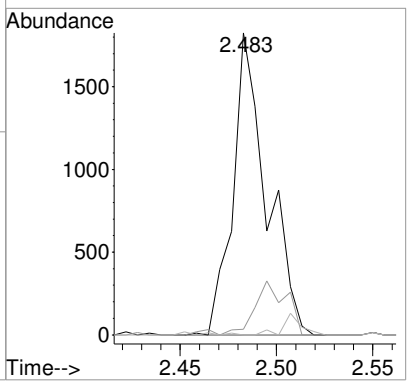


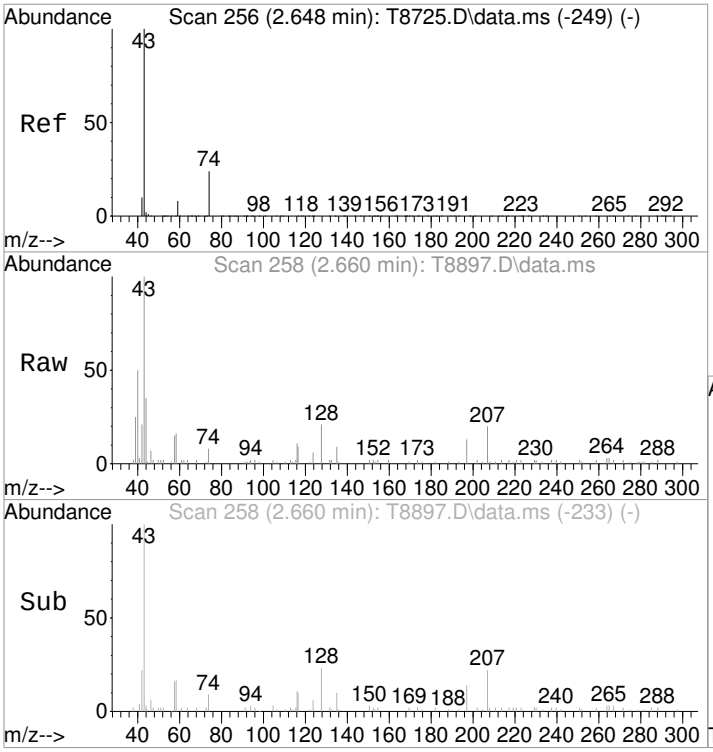


#18
Carbon Disulfide
Concen: 0.36 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T8897.D
Acq: 22 Sep 2021 6:02 pm

Tgt Ion: 76 Resp: 2227

Ion	Ratio	Lower	Upper
76	100		
78	1.9	0.0	28.4
77	0.0	0.0	22.7

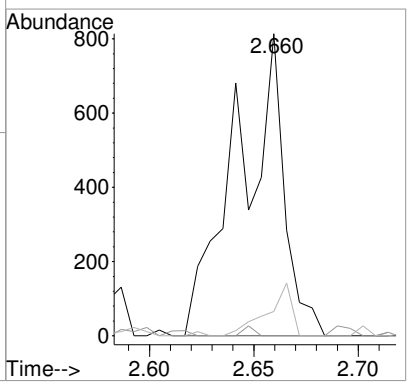


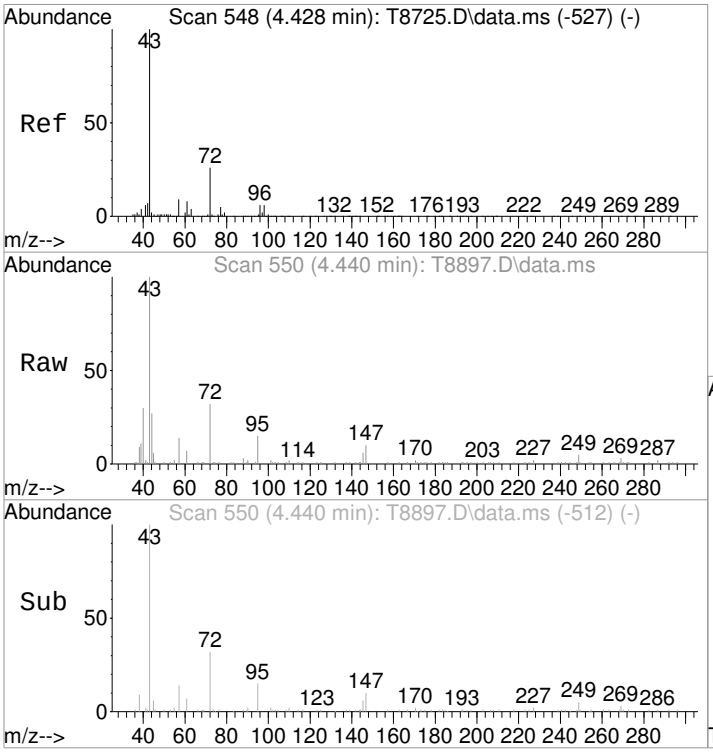


#21
Methyl Acetate
Concen: 0.34 ug/L m
RT: 2.660 min Scan# 258
Delta R.T. 0.012 min
Lab File: T8897.D
Acq: 22 Sep 2021 6:02 pm

Tgt Ion: 43 Resp: 1259

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	0.0	4.4	44.4#

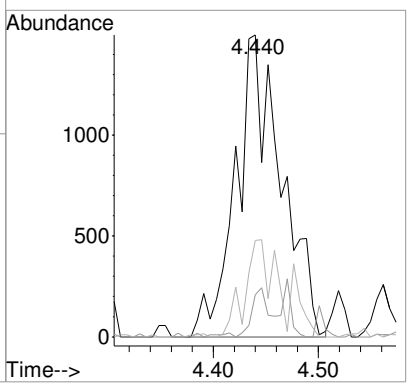


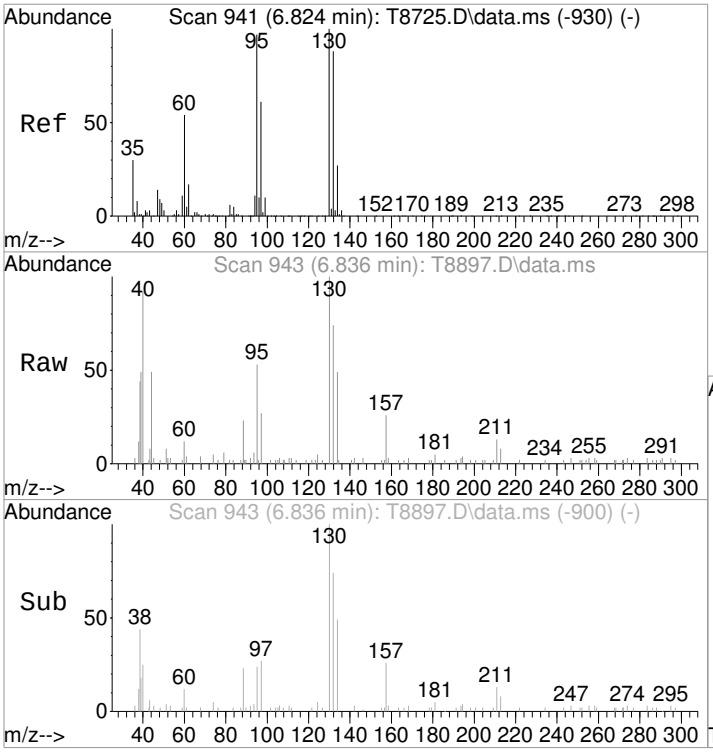


#34
2-Butanone
Concen: 2.01 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T8897.D
Acq: 22 Sep 2021 6:02 pm

Tgt Ion: 43 Resp: 4488

Ion	Ratio	Lower	Upper
43	100		
57	14.0	0.0	28.5
72	32.0	6.2	46.2

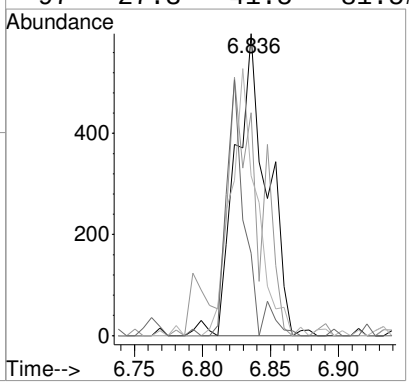


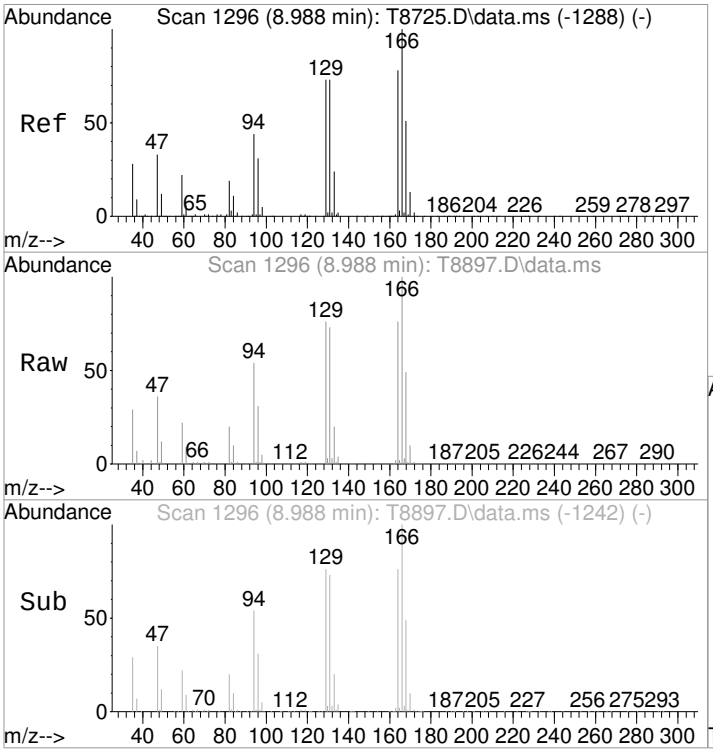


#53
Trichloroethene
Concen: 0.32 ug/L
RT: 6.836 min Scan# 943
Delta R.T. 0.012 min
Lab File: T8897.D
Acq: 22 Sep 2021 6:02 pm

Tgt Ion:130 Resp: 970

Ion	Ratio	Lower	Upper
130	100		
132	73.9	68.5	108.5
95	54.6	76.7	116.7#
97	27.3	41.5	81.5#

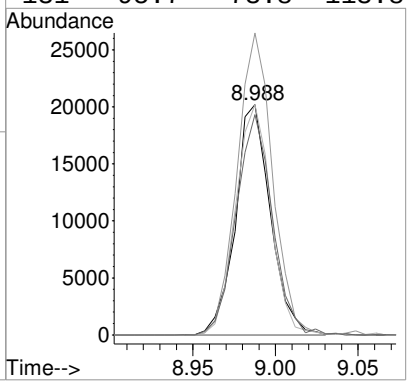


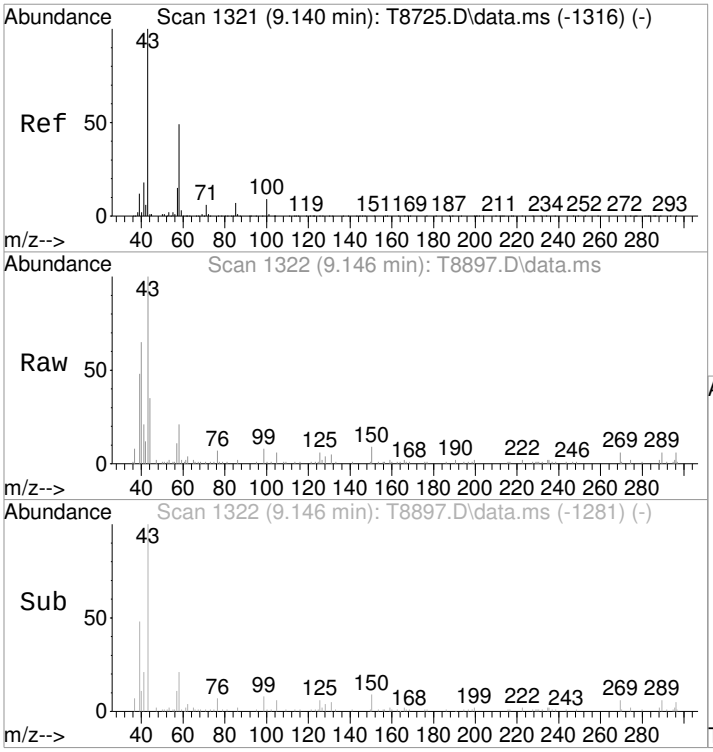


#71
Tetrachloroethene
Concen: 13.77 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. -0.000 min
Lab File: T8897.D
Acq: 22 Sep 2021 6:02 pm

Tgt Ion:164 Resp: 29870

Ion	Ratio	Lower	Upper
164	100		
166	131.1	108.5	148.5
129	100.0	73.7	113.7
131	95.7	73.8	113.8

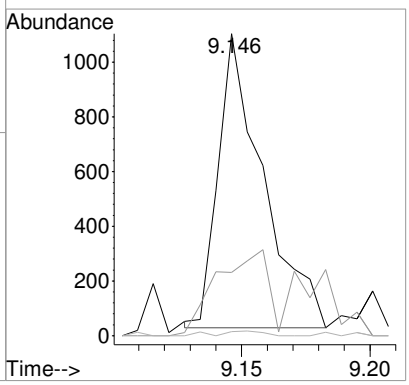




#72
2-Hexanone
Concen: 0.44 ug/L
RT: 9.146 min Scan# 1322
Delta R.T. 0.006 min
Lab File: T8897.D
Acq: 22 Sep 2021 6:02 pm

Tgt Ion: 43 Resp: 1308

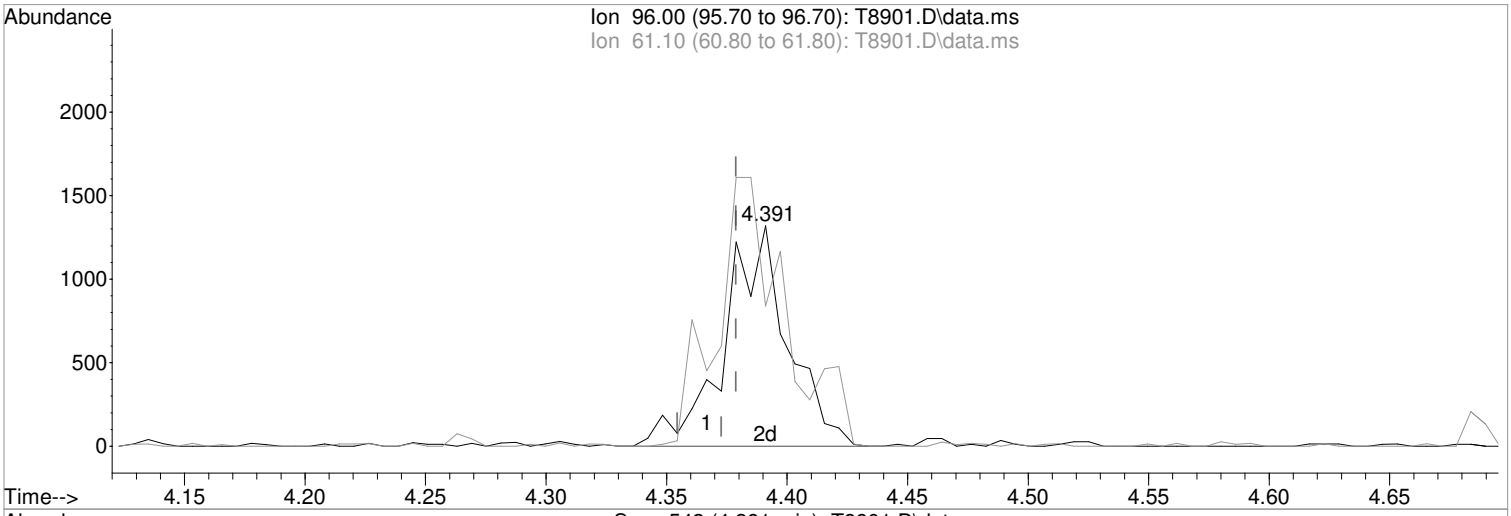
Ion	Ratio	Lower	Upper
43	100		
58	20.9	29.0	69.0#
100	1.4	0.0	29.5

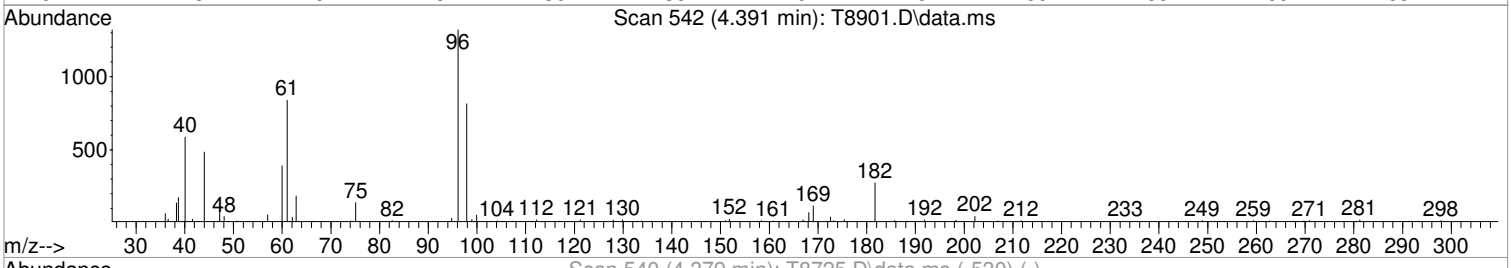


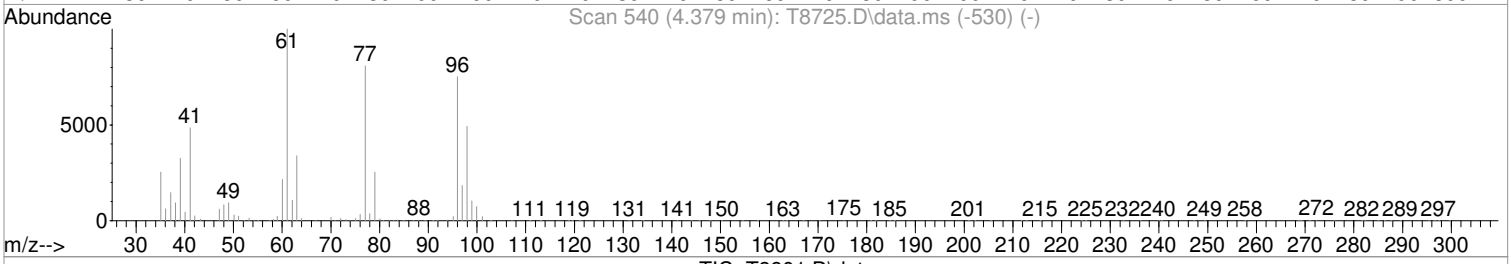
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8901.D
Acq On : 22 Sep 2021 7:29 pm
Operator : F.NAEGLER
Sample : R2109635-020|2.5 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 23 08:14:57 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8901.D\data.ms

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

4.391min (+0.012) 0.69 ug/L m

response 2409

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	63.61#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

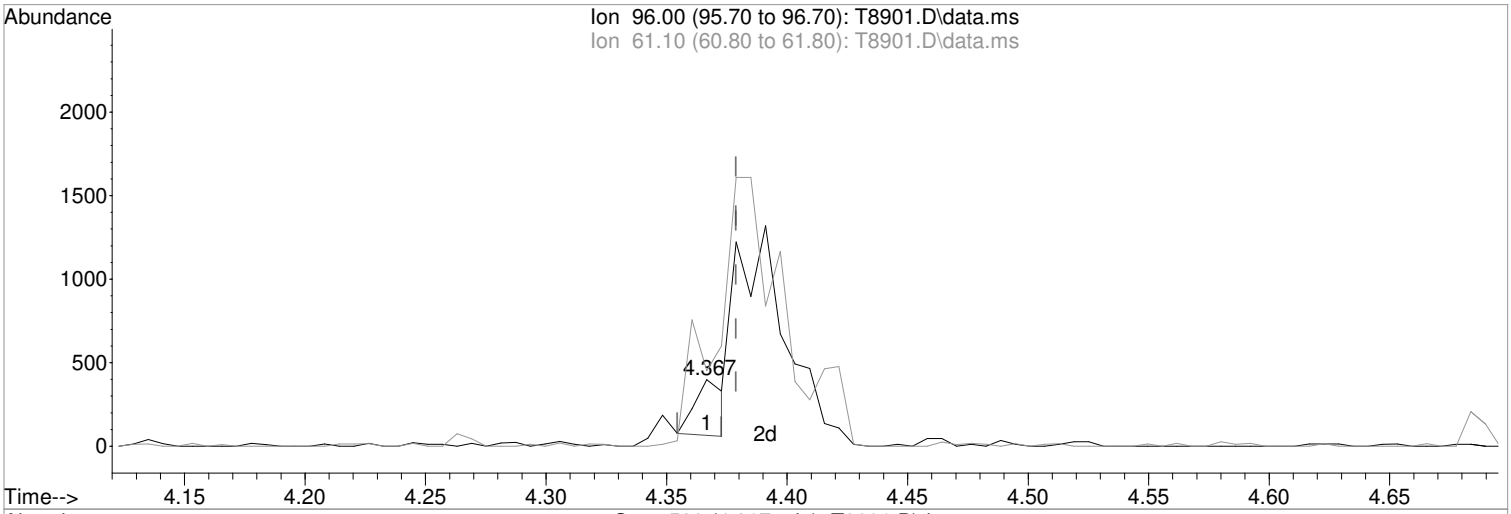
Poor integration.

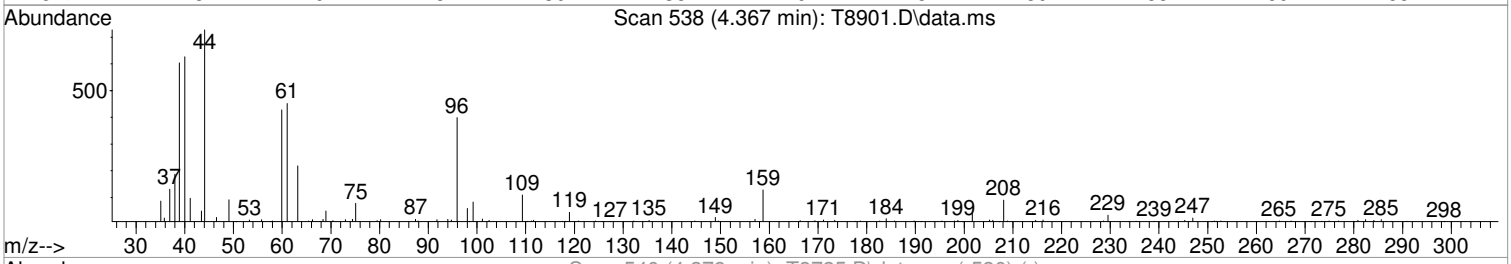
09/23/21

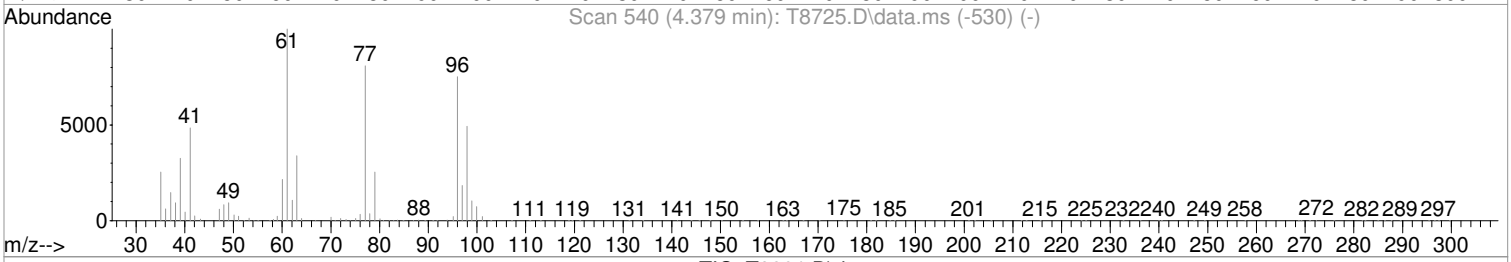
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8901.D
Acq On : 22 Sep 2021 7:29 pm
Operator : F.NAEGLER
Sample : R2109635-020|2.5 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 23 08:14:57 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8901.D\data.ms

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

4.367min (-0.012) 0.08 ug/L

response 274

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	113.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/23/21

1st FW 09/23/21
2nd WR 09/23/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8901.D
Acq On : 22 Sep 2021 7:29 pm
Operator : F.NAEGLER
Sample : R2109635-020|2.5 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 23 12:54:21 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

rpt 1/10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	338079	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	527119	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	478602	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	228425	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	141501	48.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.16%			
46) surr1,1,2-dichloroetha...	5.793	65	195586	51.24	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.48%			
64) SURR3,Toluene-d8	8.317	98	583640	49.08	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.16%			
69) SURR2,BFB	10.884	95	196025	44.41	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 88.82%			
Target Compounds						Qvalue
15) Acetone	2.343	43	2853	1.82	ug/L	80
22) Methylene Chloride	2.745	84	2210	0.65	ug/L	95
33) cis-1,2-Dichloroethene	4.391	96	2409m	0.69	ug/L	
34) 2-Butanone	4.440	43	1014	0.45	ug/L	71
39) Chloroform	4.970	83	432	Below Cal	#	32
53) Trichloroethene	6.836	130	3315	1.08	ug/L	86
71) Tetrachloroethene	8.988	164	528319	242.88	ug/L	97

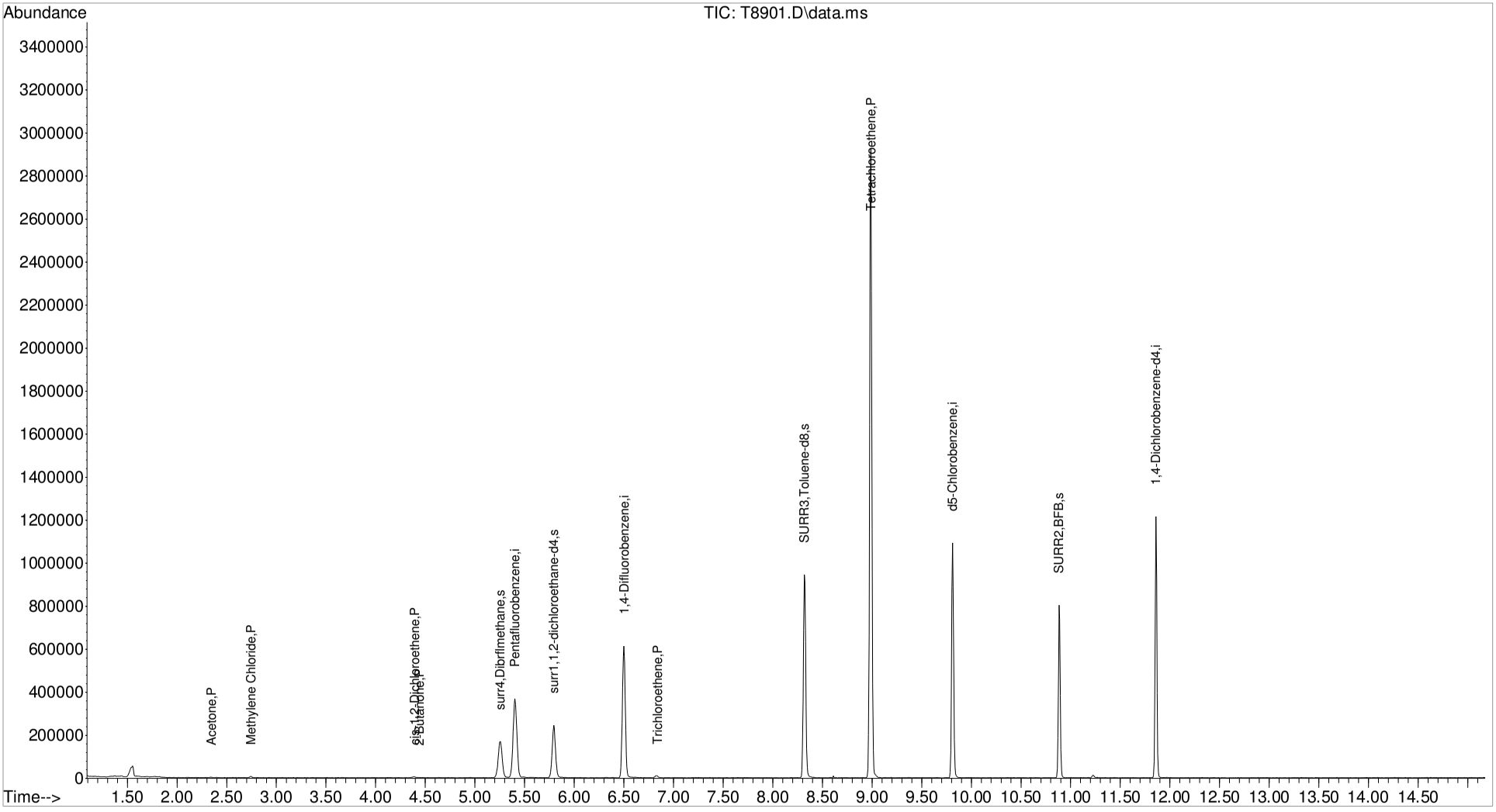
E-Over Calibration

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

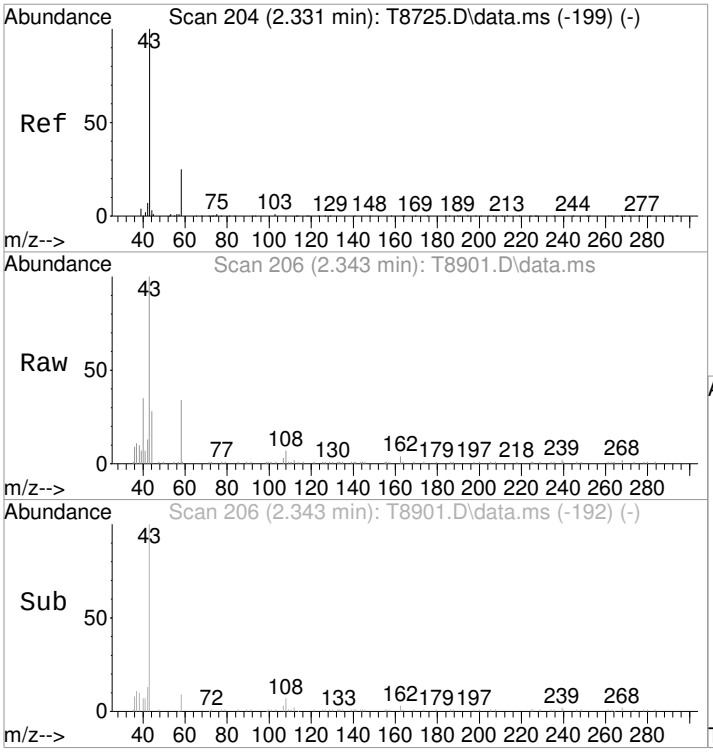
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8901.D
Acq On : 22 Sep 2021 7:29 pm
Operator : F.NAEGLER
Sample : R2109635-020|2.5 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 23 12:54:21 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



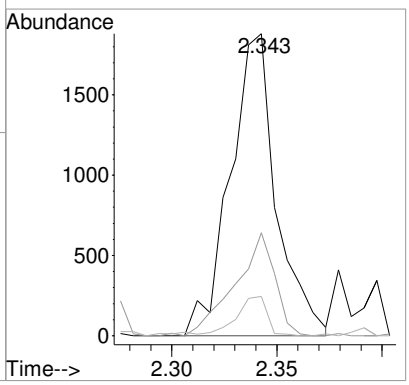
1st FJ 09/23/21
2nd 09/23/21

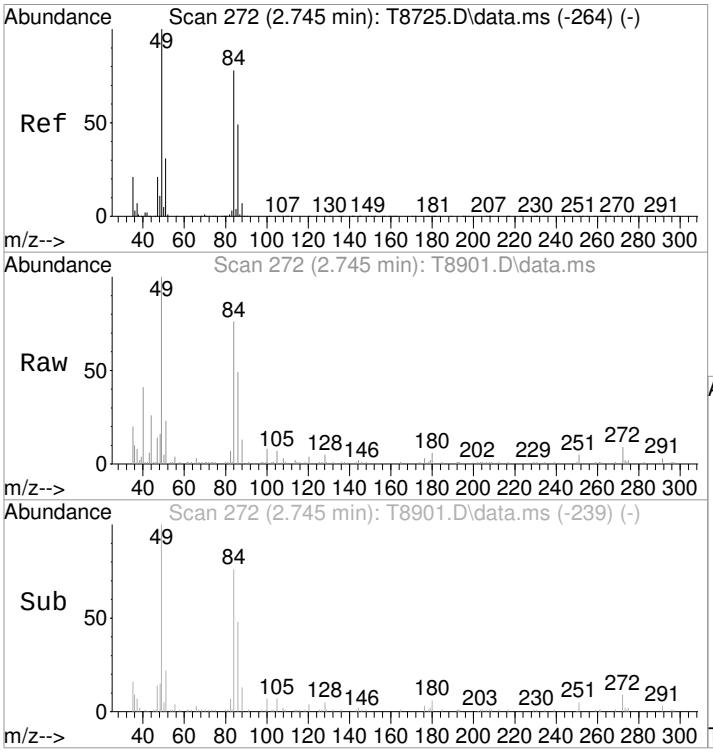


#15
Acetone
Concen: 1.82 ug/L
RT: 2.343 min Scan# 206
Delta R.T. 0.012 min
Lab File: T8901.D
Acq: 22 Sep 2021 7:29 pm

Tgt Ion: 43 Resp: 2853

Ion	Ratio	Lower	Upper
43	100		
58	35.2	4.9	44.9
42	13.0	0.0	27.1

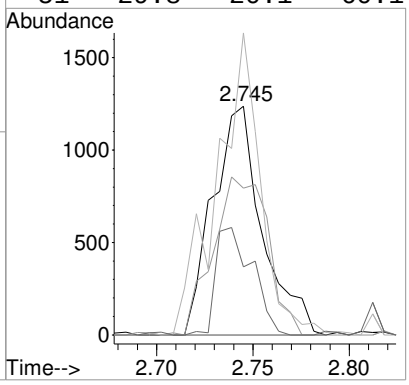


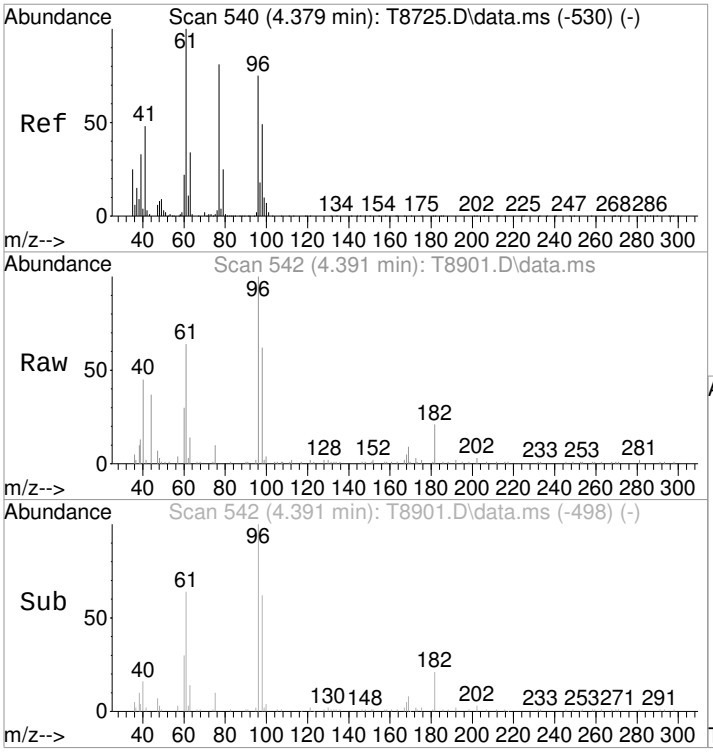


#22
Methylene Chloride
Concen: 0.65 ug/L
RT: 2.745 min Scan# 272
Delta R.T. -0.000 min
Lab File: T8901.D
Acq: 22 Sep 2021 7:29 pm

Tgt Ion: 84 Resp: 2210

Ion	Ratio	Lower	Upper
84	100		
86	64.3	43.2	83.2
49	132.1	109.0	149.0
51	29.8	20.1	60.1

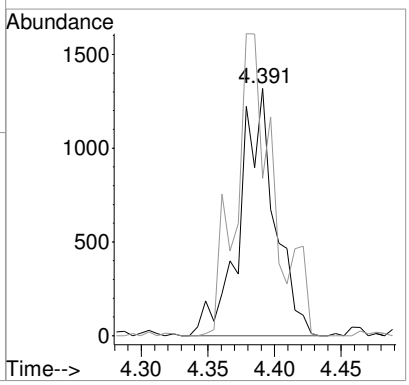


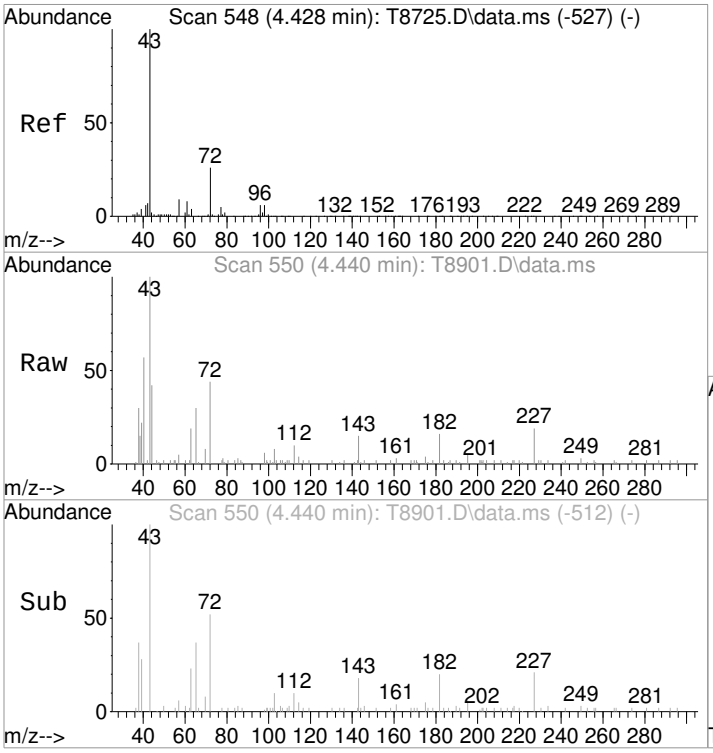


#33
cis-1,2-Dichloroethene
Concen: 0.69 ug/L m
RT: 4.391 min Scan# 542
Delta R.T. 0.012 min
Lab File: T8901.D
Acq: 22 Sep 2021 7:29 pm

Tgt Ion: 96 Resp: 2409

Ion	Ratio	Lower	Upper
96	100		
61	63.6	113.1	153.1#

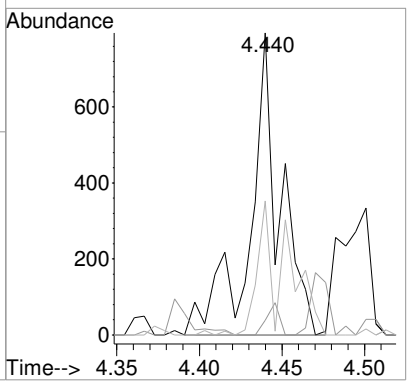


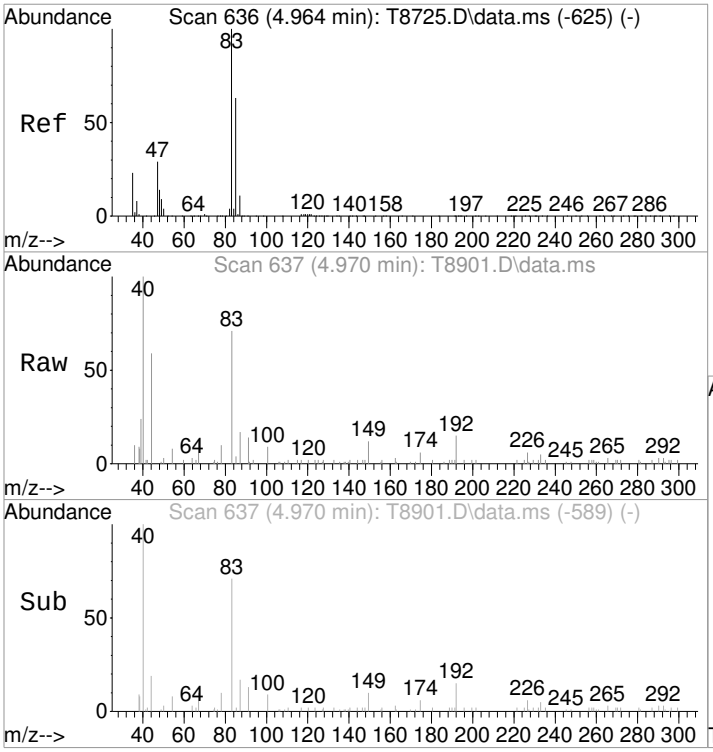


#34
2-Butanone
Concen: 0.45 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T8901.D
Acq: 22 Sep 2021 7:29 pm

Tgt Ion: 43 Resp: 1014

Ion	Ratio	Lower	Upper
43	100		
57	4.8	0.0	28.5
72	44.4	6.2	46.2

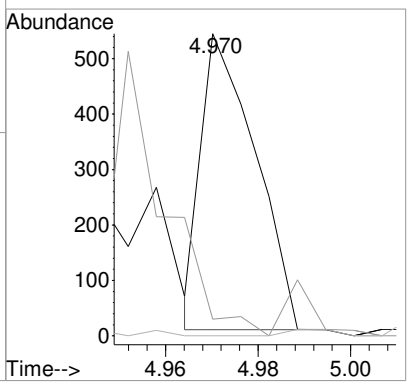


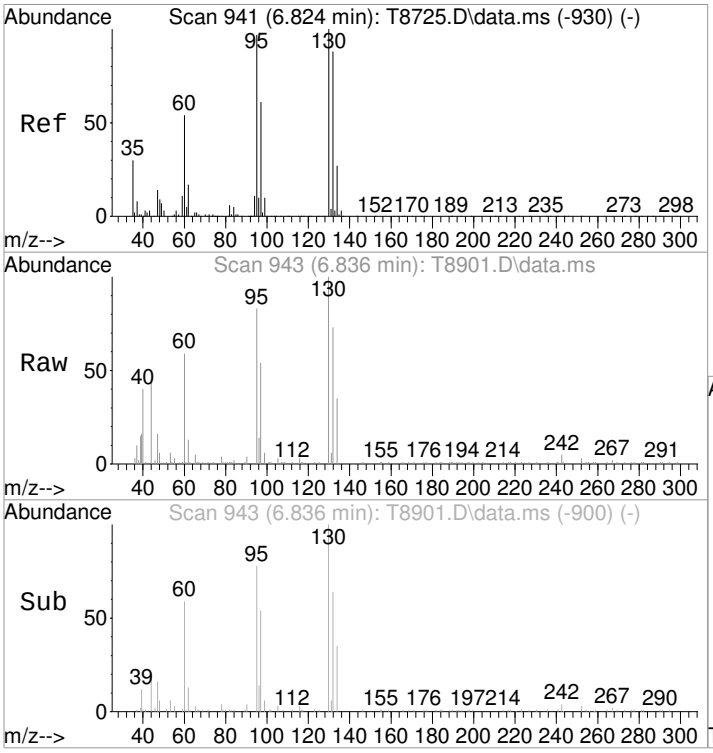


#39
Chloroform
Concen: Below Cal
RT: 4.970 min Scan# 637
Delta R.T. 0.006 min
Lab File: T8901.D
Acq: 22 Sep 2021 7:29 pm

Tgt Ion: 83 Resp: 432

Ion	Ratio	Lower	Upper
83	100		
85	5.5	43.6	83.6#
47	0.0	8.5	48.5#

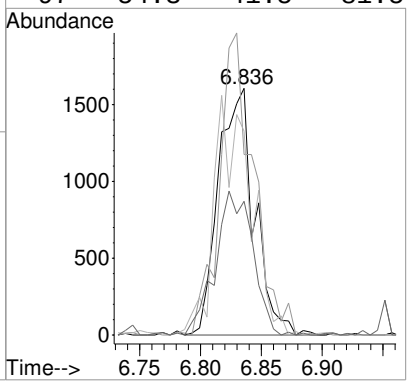


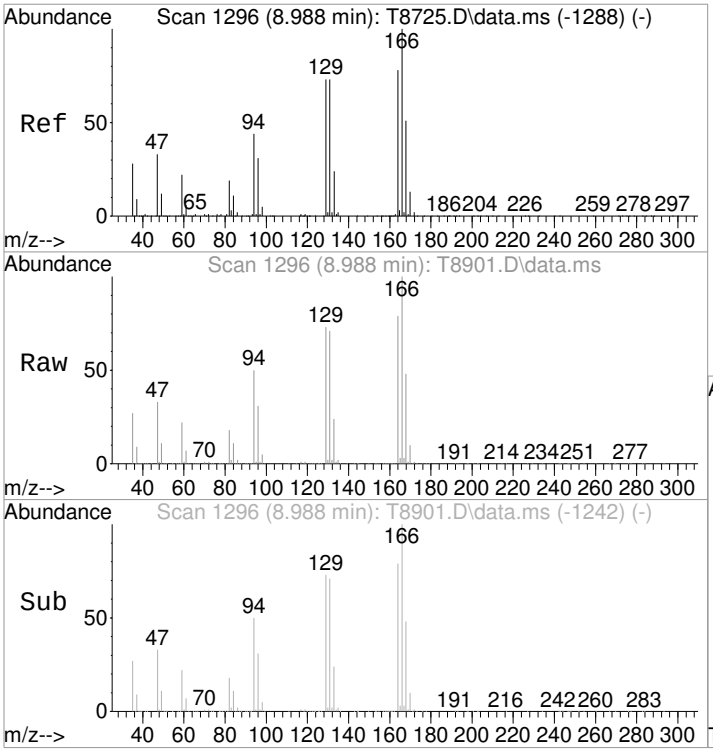


#53
Trichloroethene
Concen: 1.08 ug/L
RT: 6.836 min Scan# 943
Delta R.T. 0.012 min
Lab File: T8901.D
Acq: 22 Sep 2021 7:29 pm

Tgt Ion:130 Resp: 3315

Ion	Ratio	Lower	Upper
130	100		
132	73.2	68.5	108.5
95	82.6	76.7	116.7
97	54.3	41.5	81.5

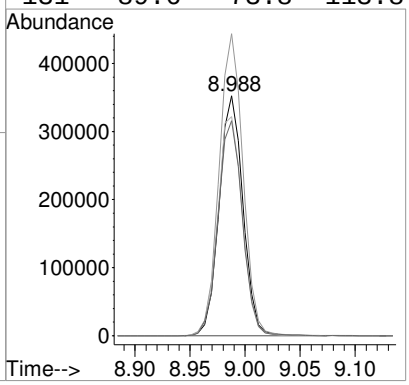




#71
Tetrachloroethene
Concen: 242.88 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. -0.000 min
Lab File: T8901.D
Acq: 22 Sep 2021 7:29 pm

Tgt Ion:164 Resp: 528319

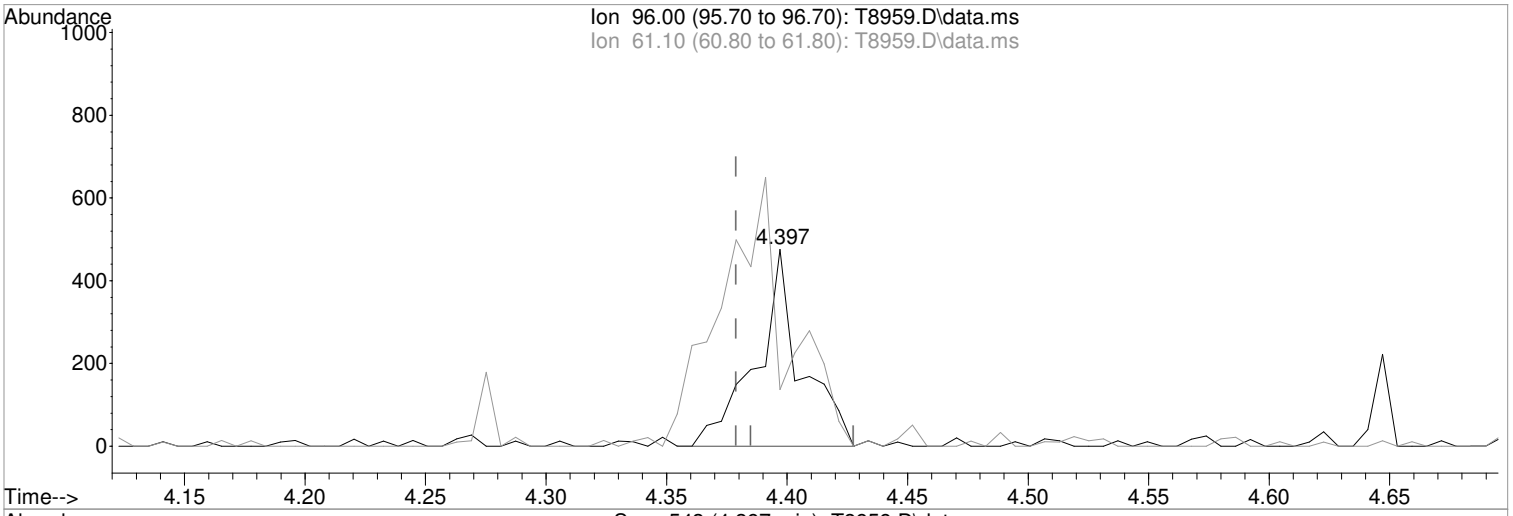
Ion	Ratio	Lower	Upper
164	100		
166	126.0	108.5	148.5
129	91.4	73.7	113.7
131	89.6	73.8	113.8

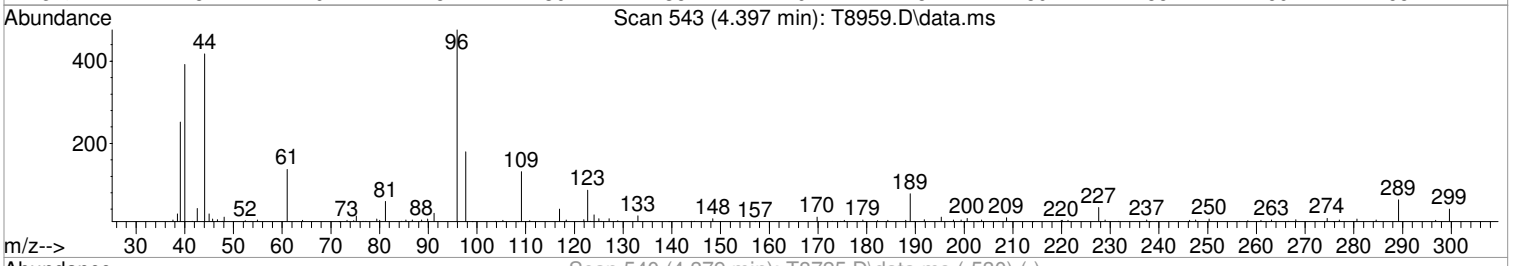


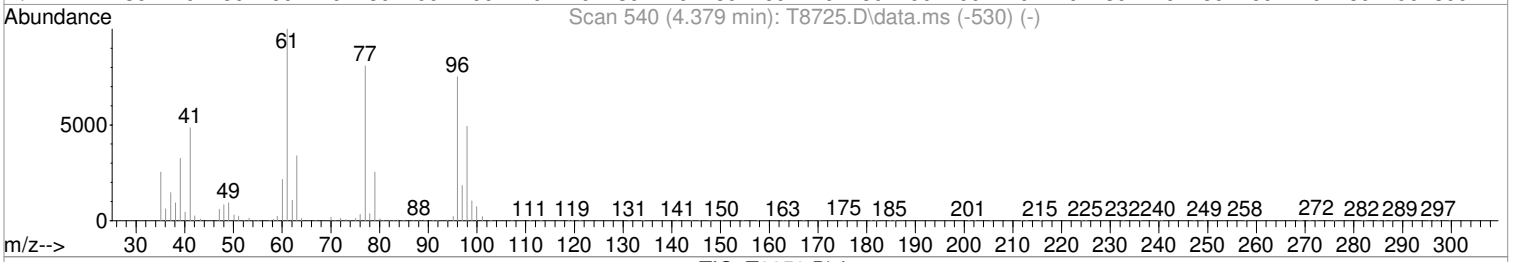
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8959.D
Acq On : 23 Sep 2021 5:34 pm
Operator : F.NAEGLER
Sample : R2109635-020|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 08:37:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8959.D\data.ms

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

4.397min (+0.018) 0.18 ug/L m

response 613

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	28.78#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

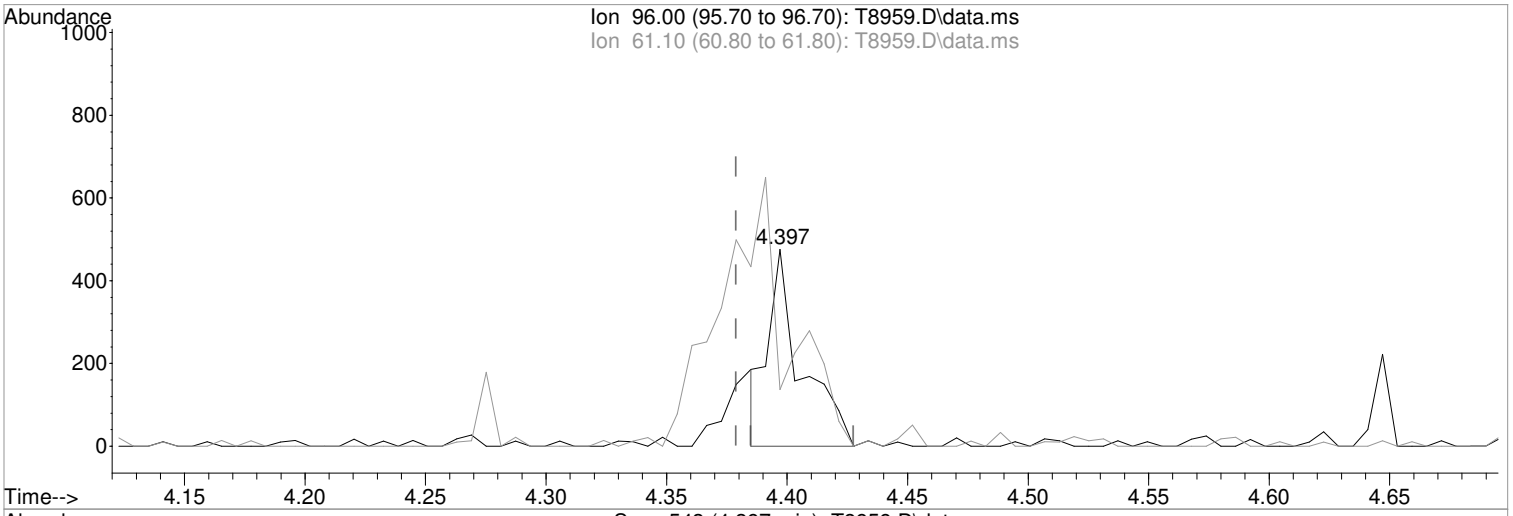
Poor integration.

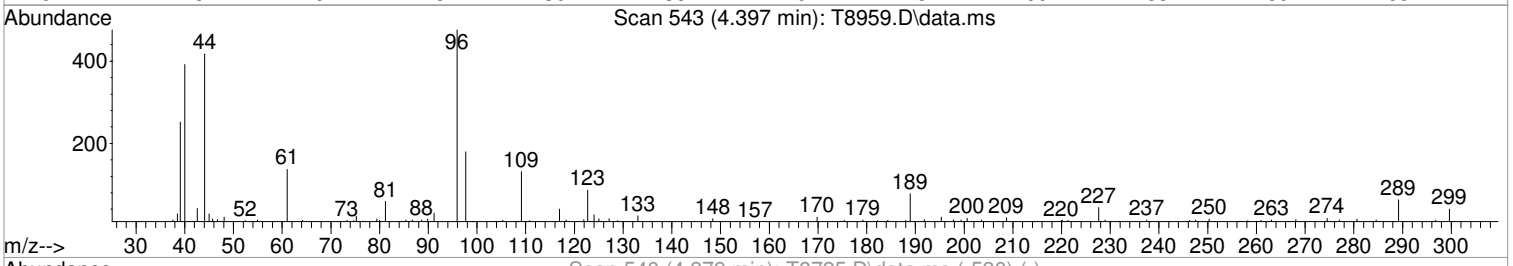
09/24/21

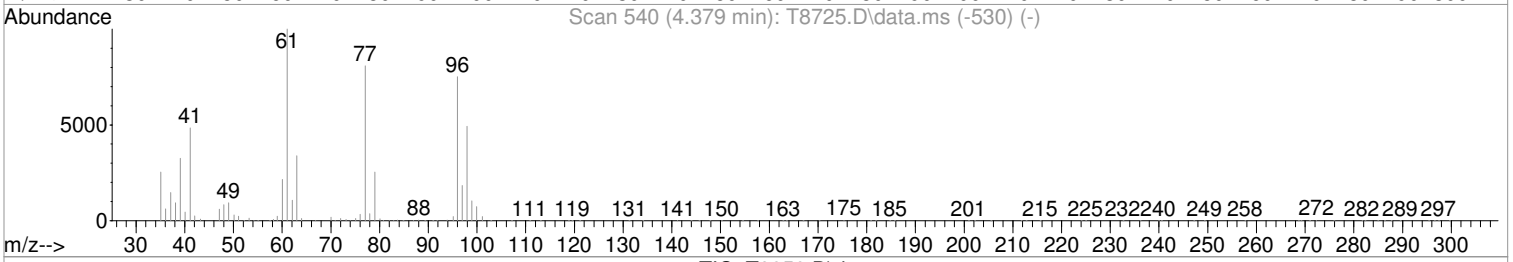
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8959.D
Acq On : 23 Sep 2021 5:34 pm
Operator : F.NAEGLER
Sample : R2109635-020|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 08:37:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8959.D\data.ms

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

4.397min (+0.018) 0.13 ug/L

response 451

Ion	Exp%	Act%
96.00	100	100
61.10	133.10	28.78#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/24/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8959.D
Acq On : 23 Sep 2021 5:34 pm
Operator : F.NAEGLER
Sample : R2109635-020|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 14:53:51 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M DL
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

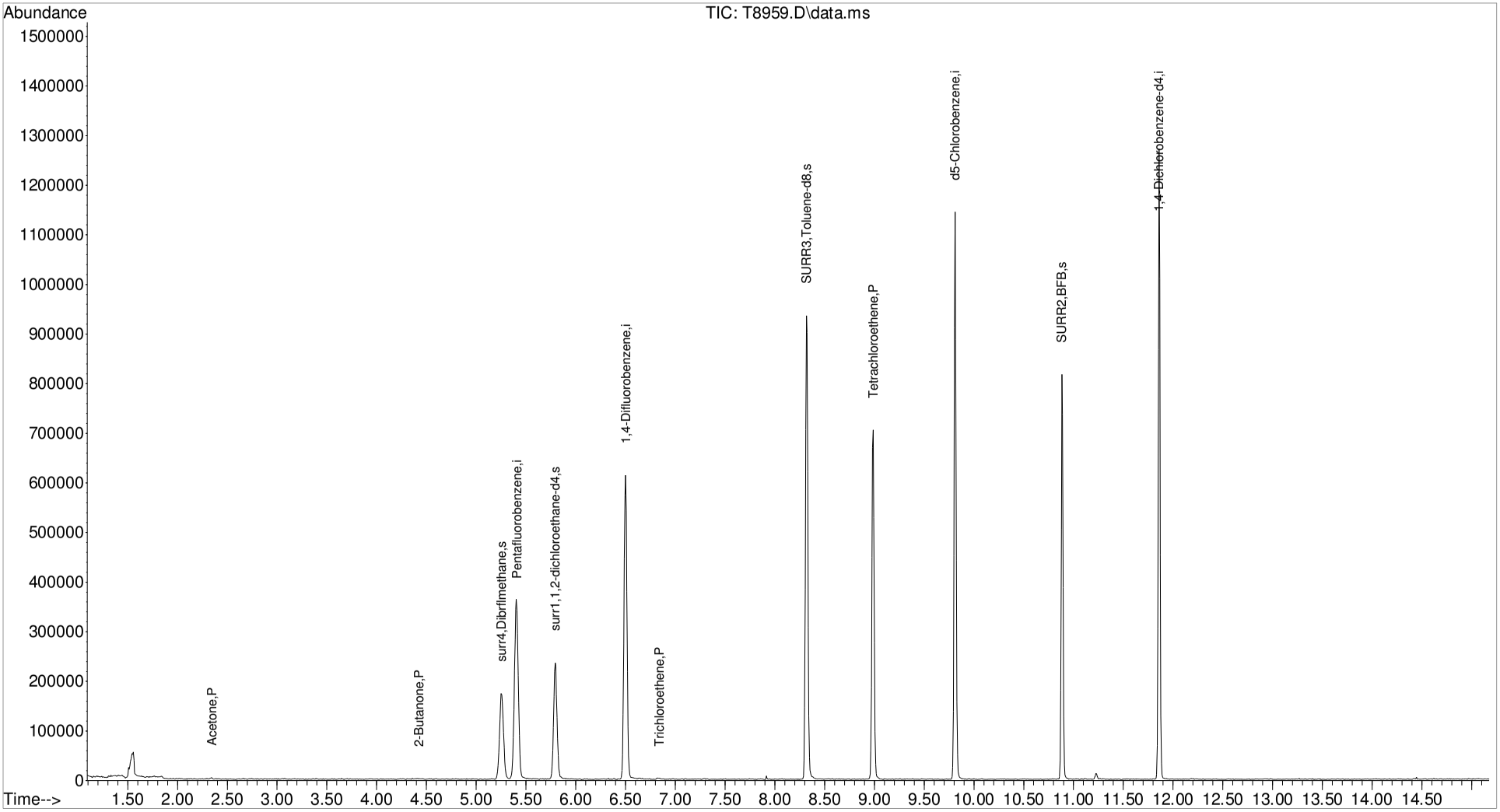
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.409	168	334168	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	534817	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	486554	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	229044	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	143035	47.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 95.80%			
46) surr1,1,2-dichloroetha...	5.793	65	194490	50.22	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.44%			
64) SURR3,Toluene-d8	8.317	98	592783	49.13	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.26%			
69) SURR2,BFB	10.884	95	199365	44.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 89.04%			
Target Compounds						Qvalue
15) Acetone	2.343	43	2405	1.55	ug/L	94
34) 2-Butanone	4.428	43	1182	0.52	ug/L	83
53) Trichloroethene	6.836	130	909	0.29	ug/L #	57
71) Tetrachloroethene	8.988	164	130870	59.18	ug/L	96

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

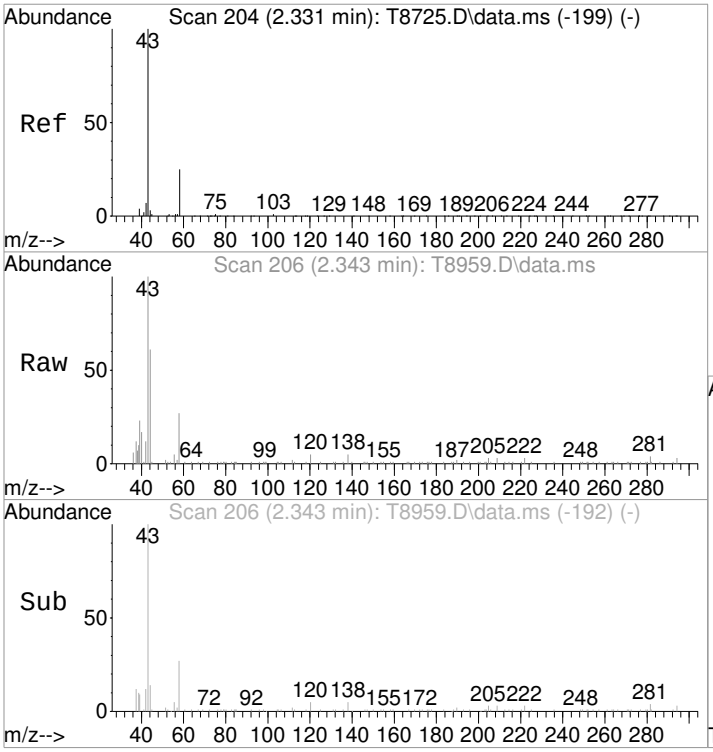
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8959.D
Acq On : 23 Sep 2021 5:34 pm
Operator : F.NAEGLER
Sample : R2109635-020|10.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 14:53:51 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



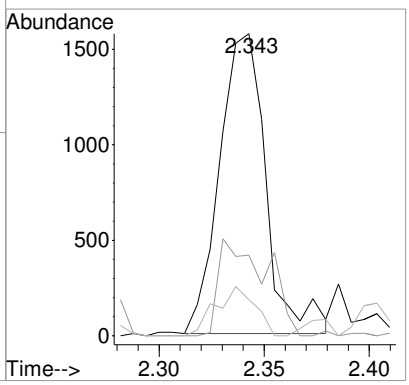
1st FN 09/24/21
2nd 09/24/21

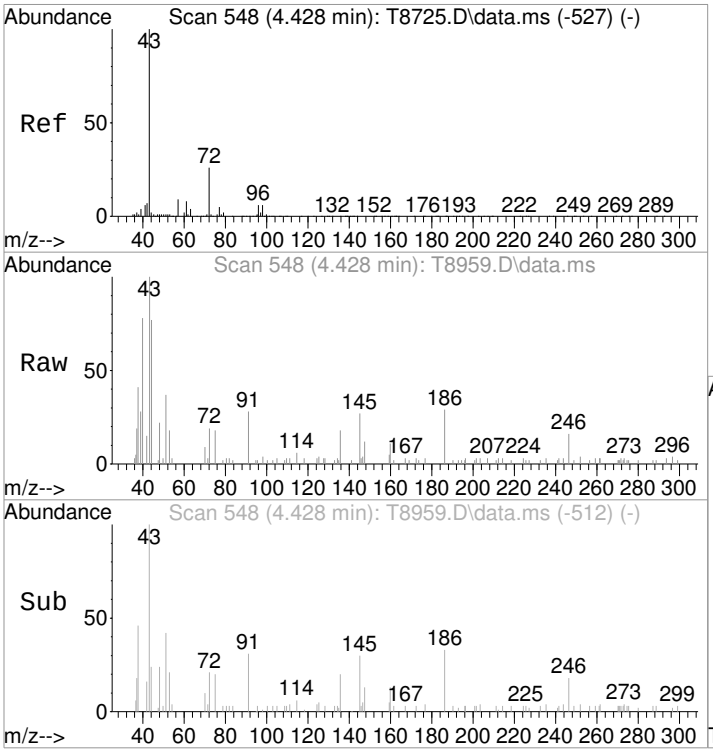


#15
Acetone
Concen: 1.55 ug/L
RT: 2.343 min Scan# 206
Delta R.T. 0.012 min
Lab File: T8959.D
Acq: 23 Sep 2021 5:34 pm

Tgt Ion: 43 Resp: 2405

Ion	Ratio	Lower	Upper
43	100		
58	26.7	4.9	44.9
42	12.0	0.0	27.1

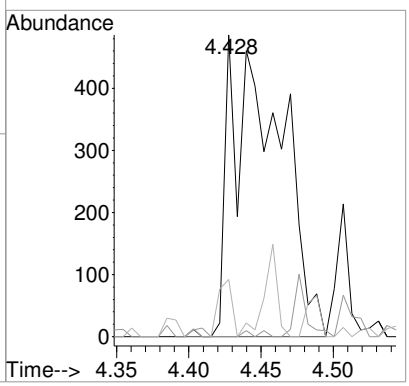


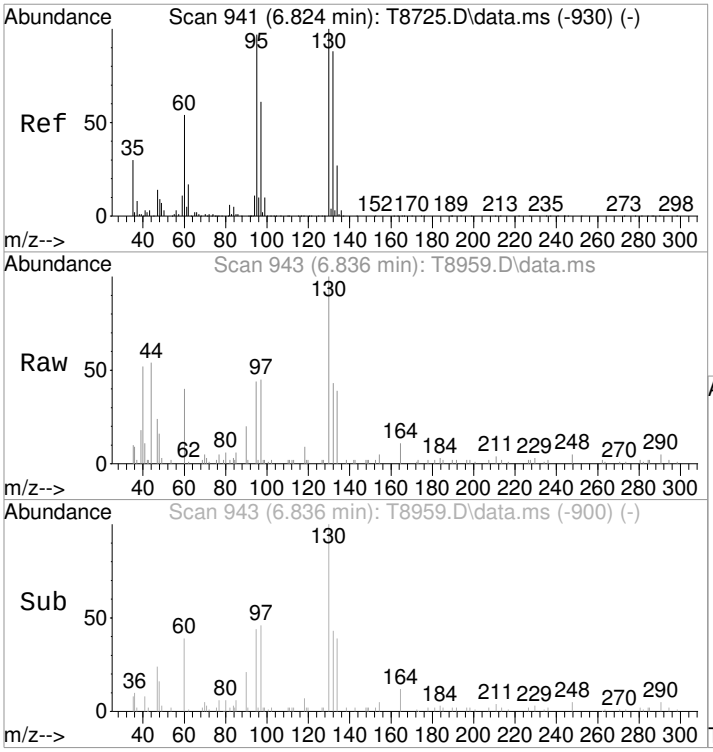


#34
2-Butanone
Concen: 0.52 ug/L
RT: 4.428 min Scan# 548
Delta R.T. -0.000 min
Lab File: T8959.D
Acq: 23 Sep 2021 5:34 pm

Tgt Ion: 43 Resp: 1182

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.5
72	18.9	6.2	46.2

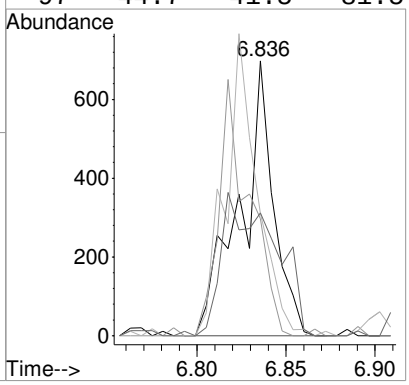


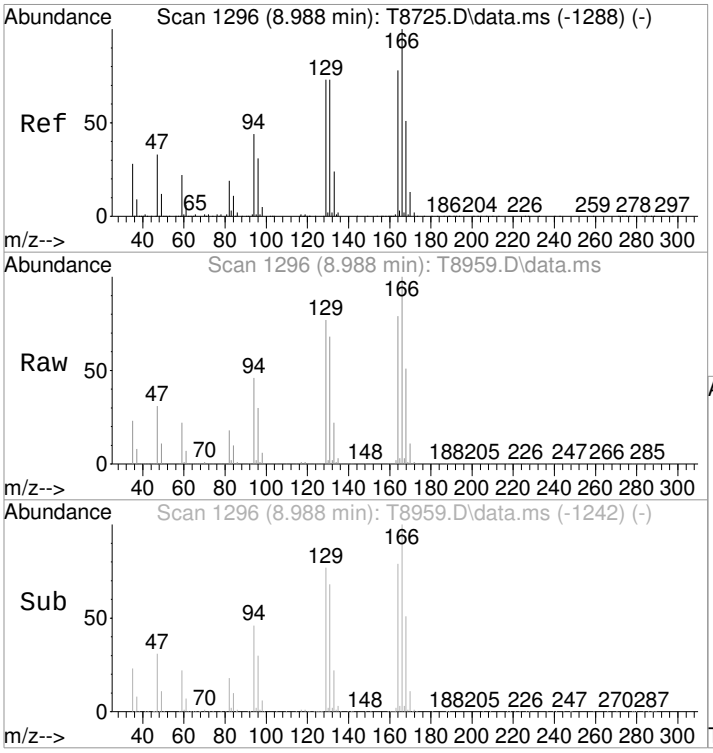


#53
Trichloroethene
Concen: 0.29 ug/L
RT: 6.836 min Scan# 943
Delta R.T. 0.012 min
Lab File: T8959.D
Acq: 23 Sep 2021 5:34 pm

Tgt Ion:130 Resp: 909

Ion	Ratio	Lower	Upper
130	100		
132	42.6	68.5	108.5#
95	46.1	76.7	116.7#
97	44.7	41.5	81.5

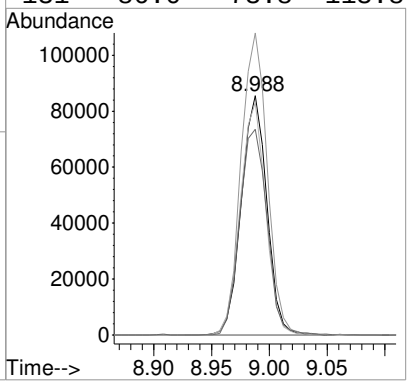




#71
Tetrachloroethene
Concen: 59.18 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. -0.000 min
Lab File: T8959.D
Acq: 23 Sep 2021 5:34 pm

Tgt Ion:164 Resp: 130870

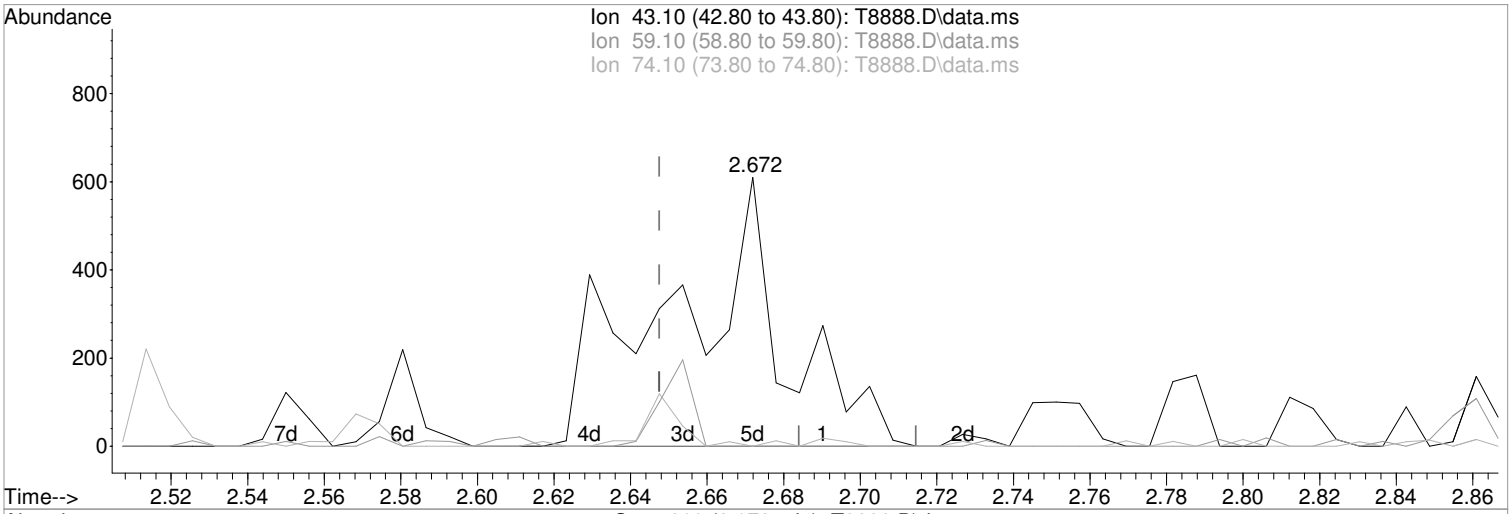
Ion	Ratio	Lower	Upper
164	100		
166	126.3	108.5	148.5
129	97.3	73.7	113.7
131	86.0	73.8	113.8

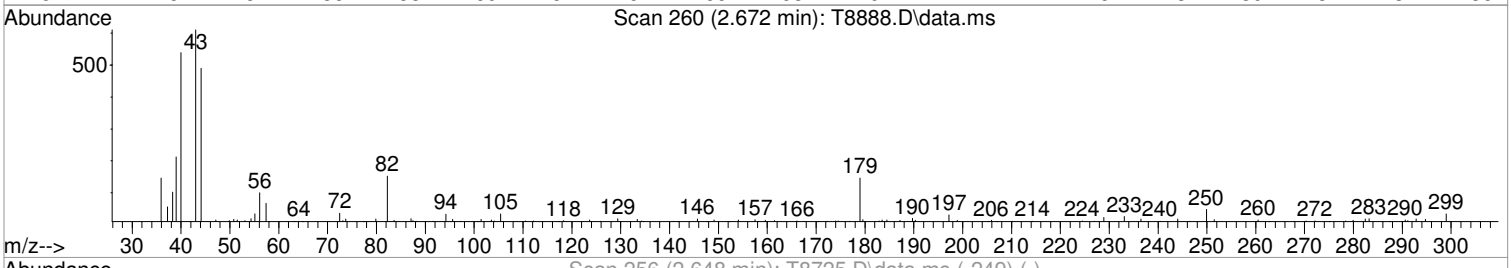


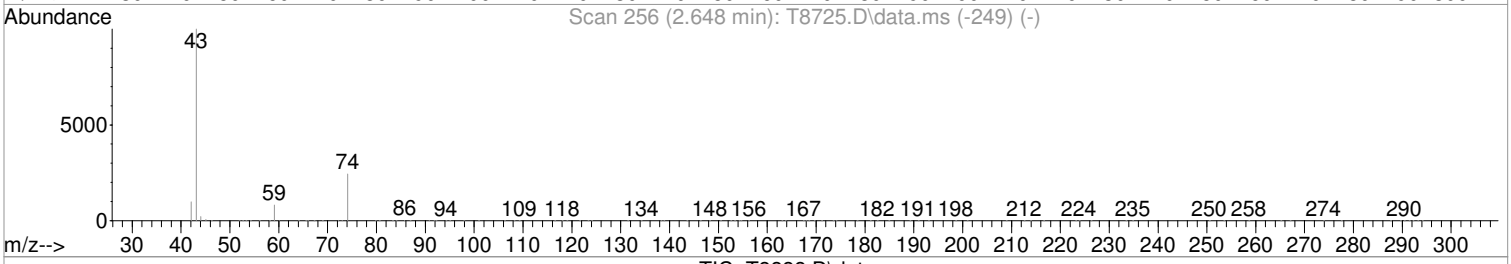
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 13:32:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8888.D\data.ms

(21) Methyl Acetate (P)

2.672min (+0.024) 0.35 ug/L m

response 1241

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	0.00#
0.00	0.00	0.00

Manual Integration:

After

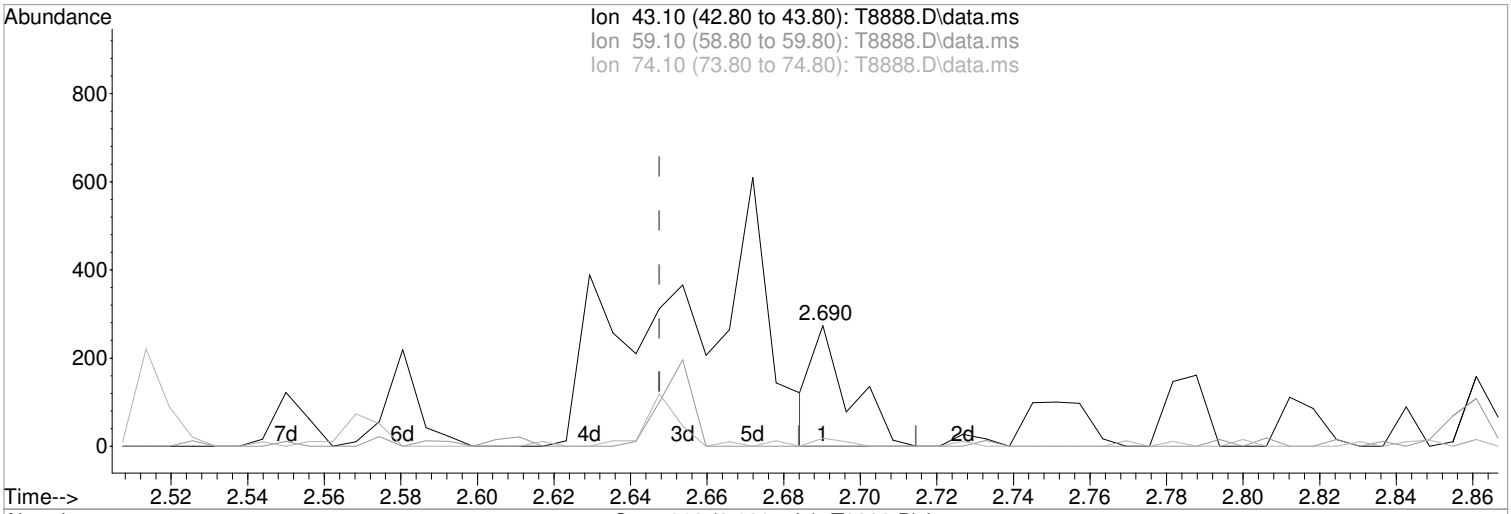
Poor integration.

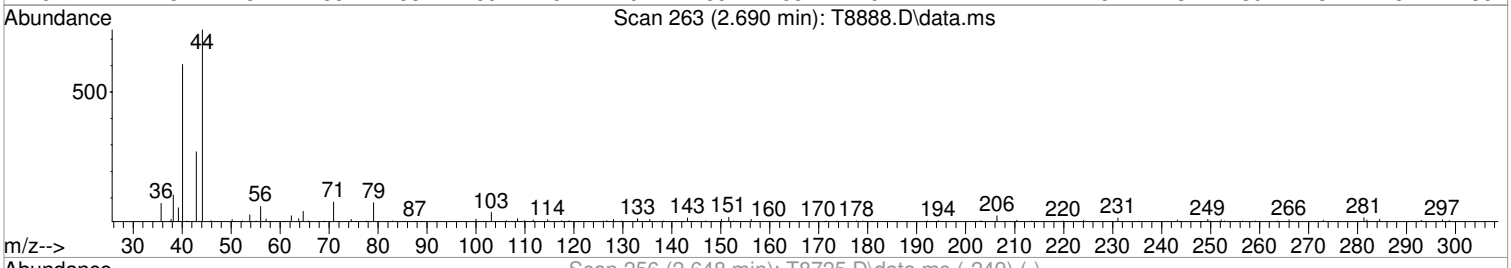
09/23/21

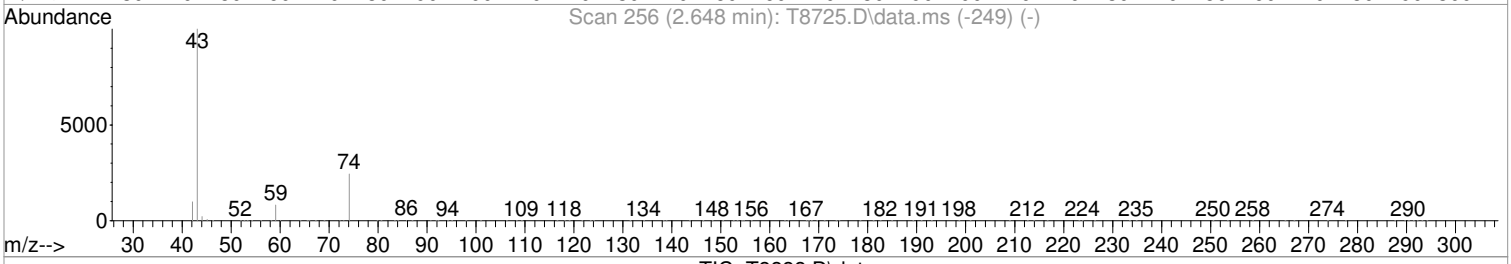
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 13:32:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T8888.D\data.ms

(21) Methyl Acetate (P)

2.690min (+0.043) 0.05 ug/L

response 184

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	6.57
0.00	0.00	0.00

Manual Integration:

Before

09/23/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 12:18:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\E041821.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

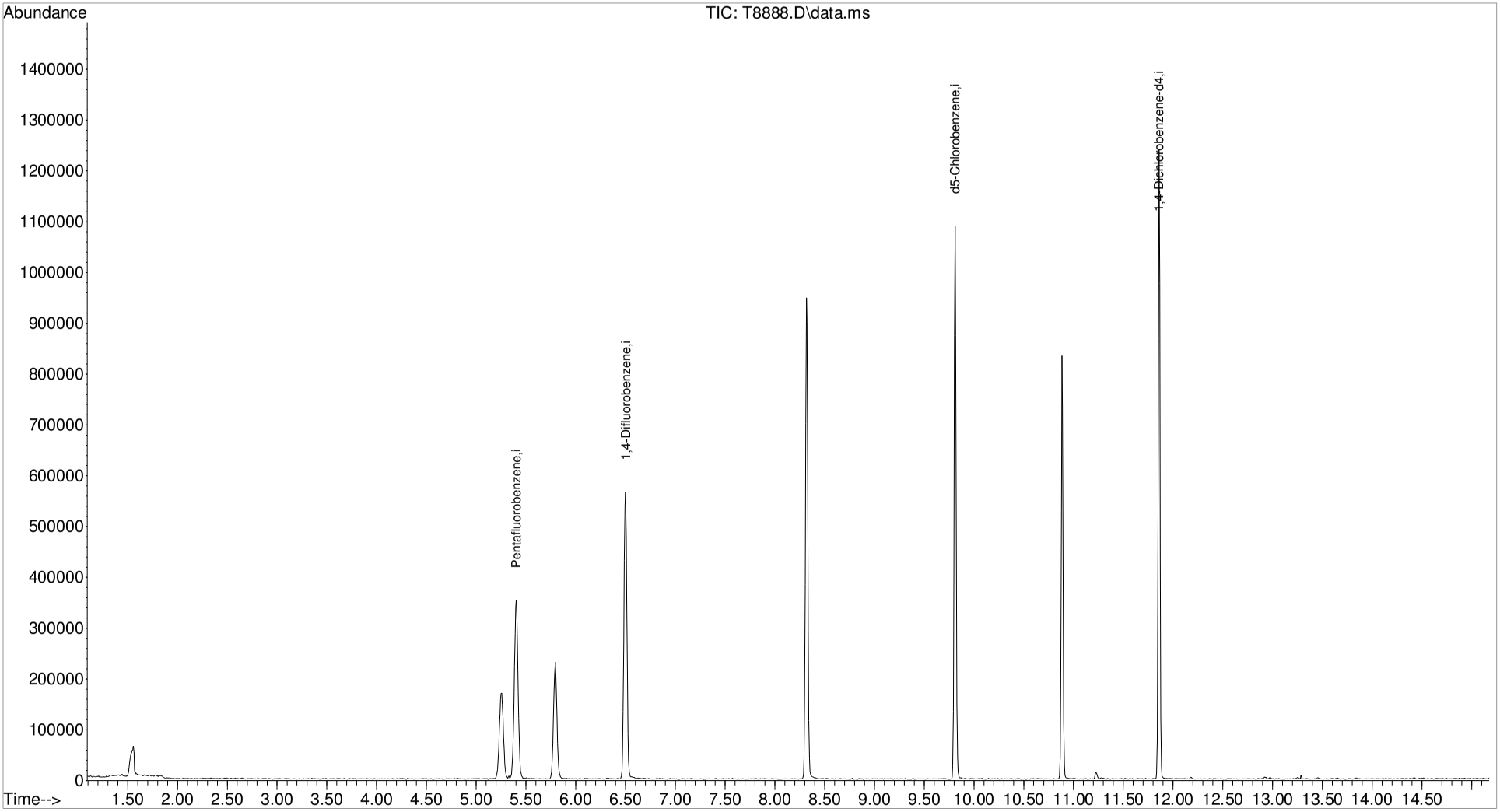
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	317106	50.00	ug/L	0.01
3) 1,4-Difluorobenzene	6.500	114	495457	50.00	ug/L	0.01
7) d5-Chlorobenzene	9.811	117	458455	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	229298	50.00	ug/L	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 12:18:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\E041821.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration



1st FJ 09/23/21
2nd 09/23/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 12:16:44 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

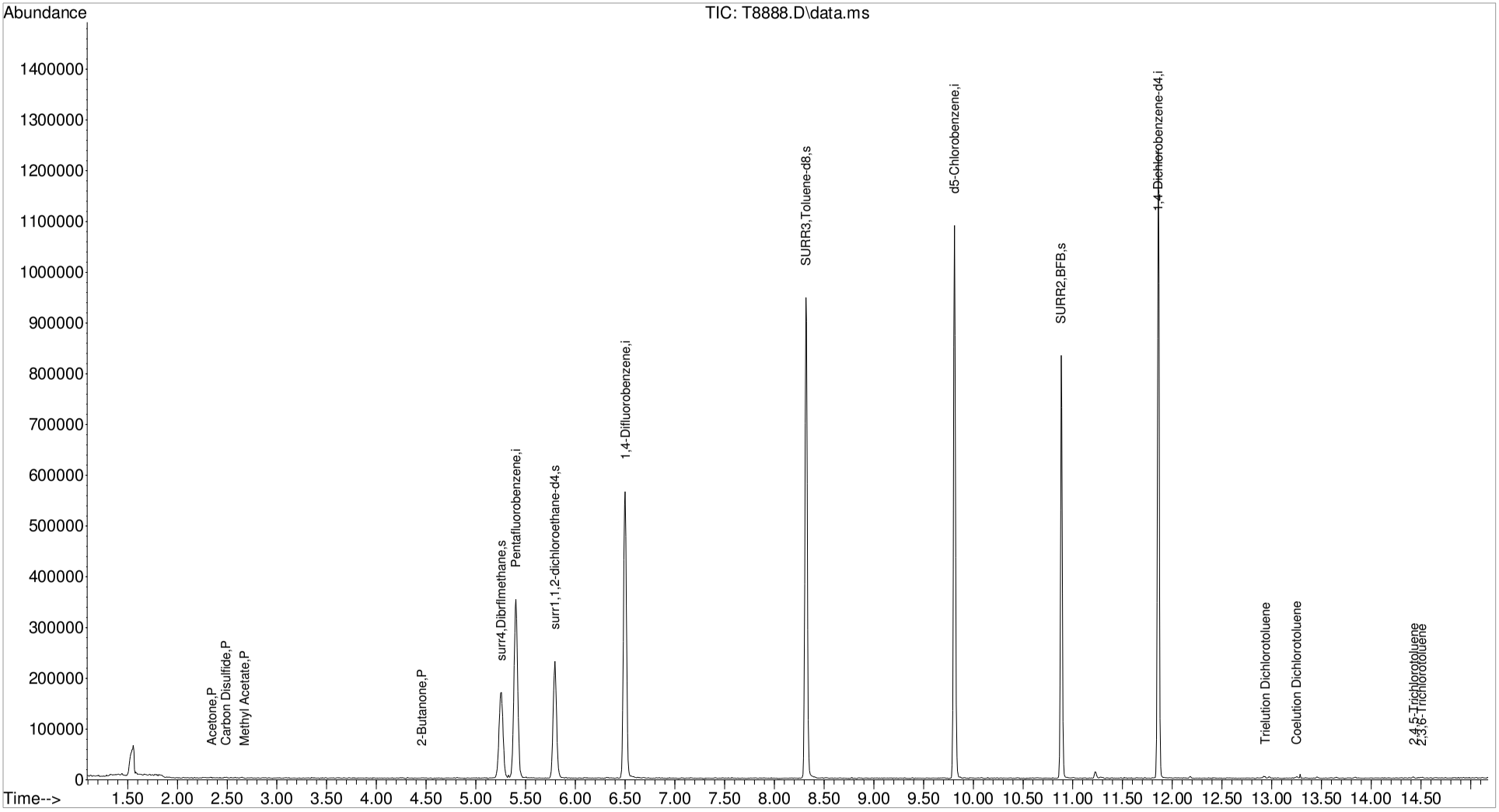
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	317106	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	495457	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	458455	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	229298	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	144751	52.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.66%			
46) surr1,1,2-dichloroetha...	5.793	65	190716	53.15	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.30%			
64) SURR3,Toluene-d8	8.317	98	572159	51.19	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.38%			
69) SURR2,BFB	10.884	95	192916	46.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.00%			
Target Compounds						Qvalue
15) Acetone	2.343	43	1769	1.20	ug/L	89
18) Carbon Disulfide	2.483	76	1306	0.22	ug/L	91
21) Methyl Acetate	2.672	43	1241m	0.35	ug/L	
34) 2-Butanone	4.458	43	1375	0.64	ug/L	70
111) Trielution Dichlorotol...	12.932	125	2115	0.46	ug/L #	64
113) Coelution Dichlorotoluene	13.249	125	1359	0.27	ug/L #	69
118) 2,4,5-Trichlorotoluene	14.426	159	694	0.31	ug/L #	54
119) 2,3,6-Trichlorotoluene	14.505	159	715	0.35	ug/L #	24

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

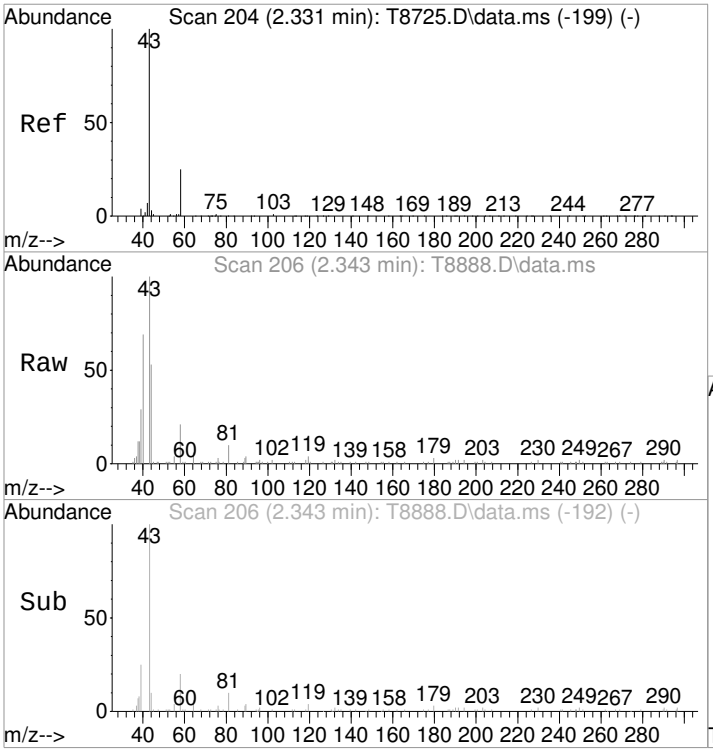
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 12:16:44 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



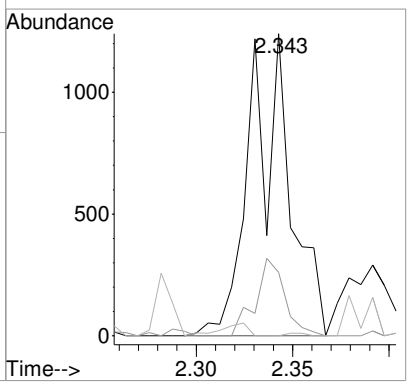
1st FN 09/23/21
2nd 09/23/21

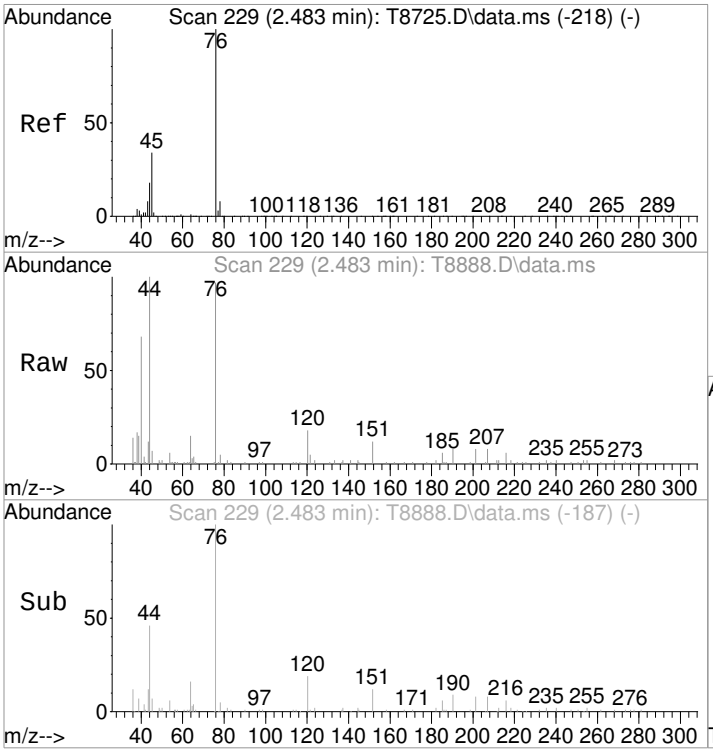


#15
Acetone
Concen: 1.20 ug/L
RT: 2.343 min Scan# 206
Delta R.T. 0.012 min
Lab File: T8888.D
Acq: 22 Sep 2021 1:16 pm

Tgt Ion: 43 Resp: 1769

Ion	Ratio	Lower	Upper
43	100		
58	21.0	4.9	44.9
42	0.0	0.0	27.1

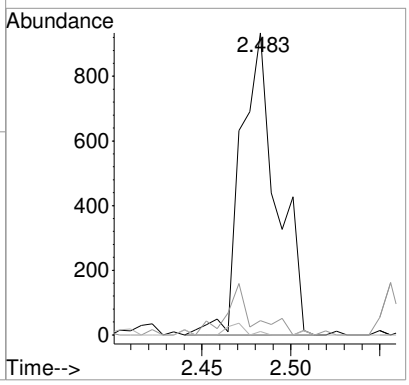


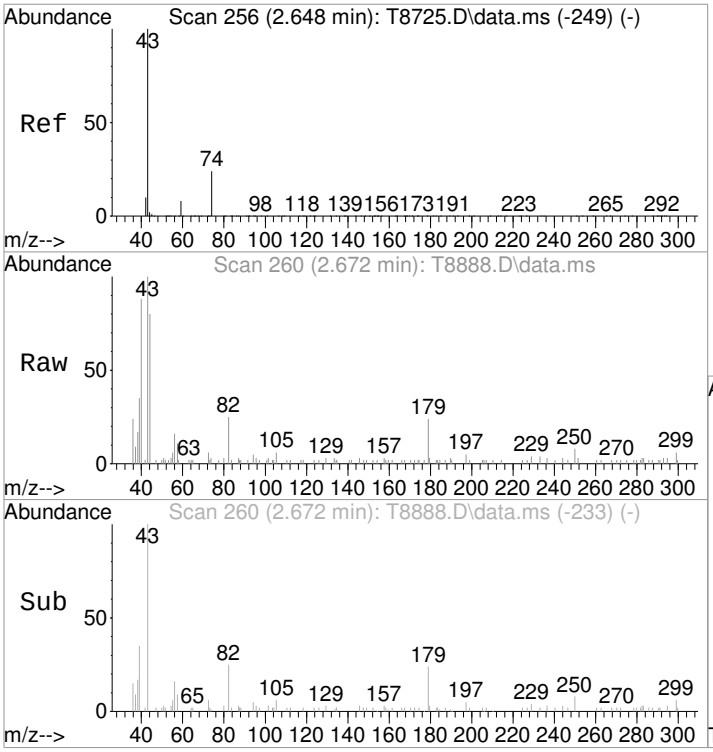


#18
Carbon Disulfide
Concen: 0.22 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T8888.D
Acq: 22 Sep 2021 1:16 pm

Tgt Ion: 76 Resp: 1306

Ion	Ratio	Lower	Upper
76	100		
78	4.7	0.0	28.4
77	1.2	0.0	22.7

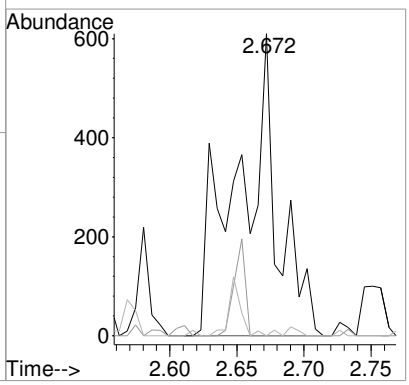


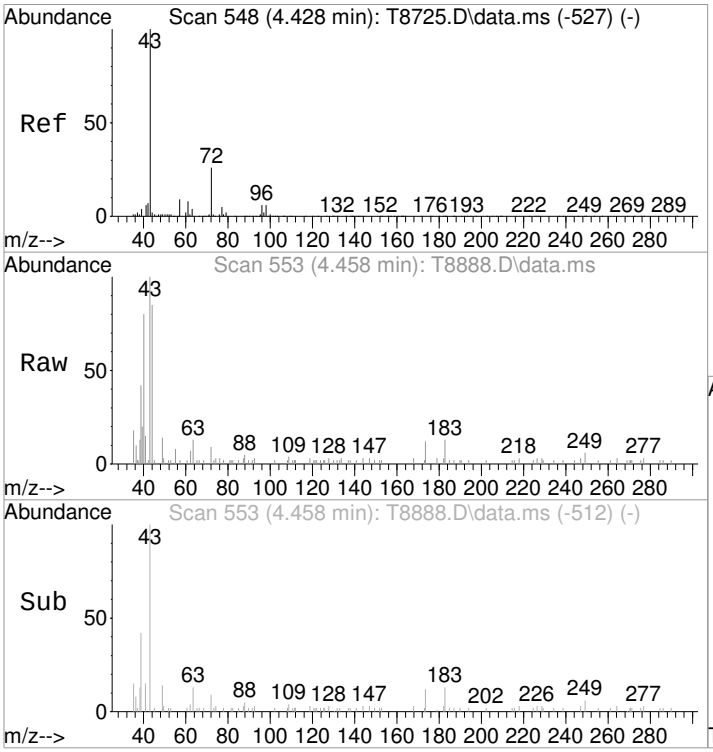


#21
Methyl Acetate
Concen: 0.35 ug/L m
RT: 2.672 min Scan# 260
Delta R.T. 0.024 min
Lab File: T8888.D
Acq: 22 Sep 2021 1:16 pm

Tgt Ion: 43 Resp: 1241

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	0.0	4.4	44.4#

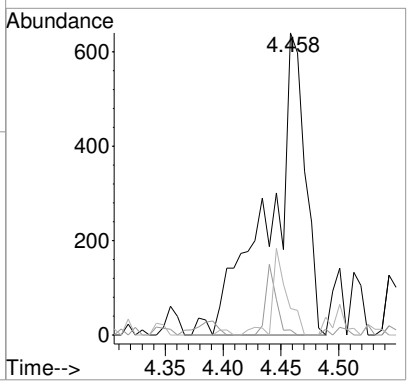


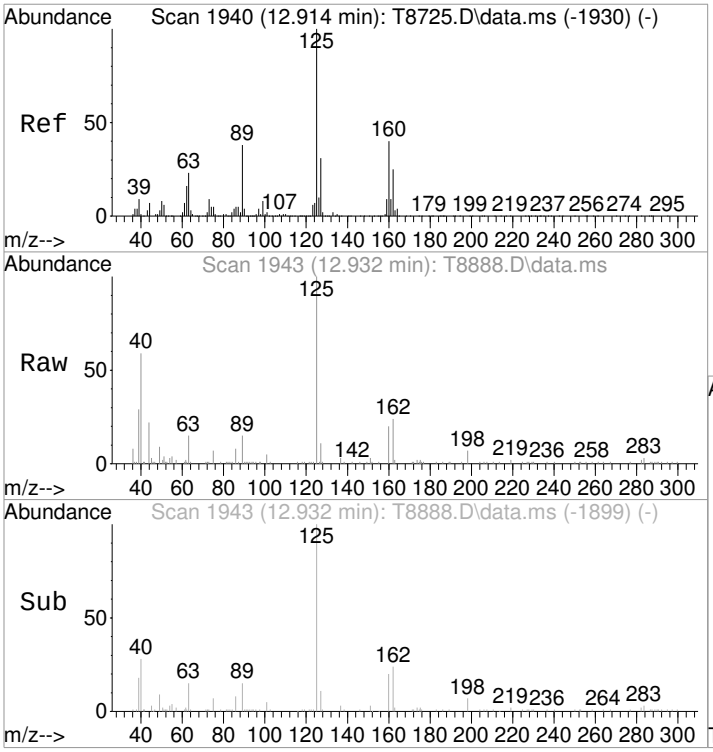


#34
2-Butanone
Concen: 0.64 ug/L
RT: 4.458 min Scan# 553
Delta R.T. 0.030 min
Lab File: T8888.D
Acq: 22 Sep 2021 1:16 pm

Tgt Ion: 43 Resp: 1375

Ion	Ratio	Lower	Upper
43	100		
57	1.7	0.0	28.5
72	8.8	6.2	46.2

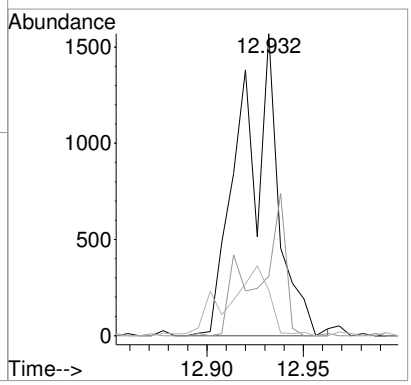


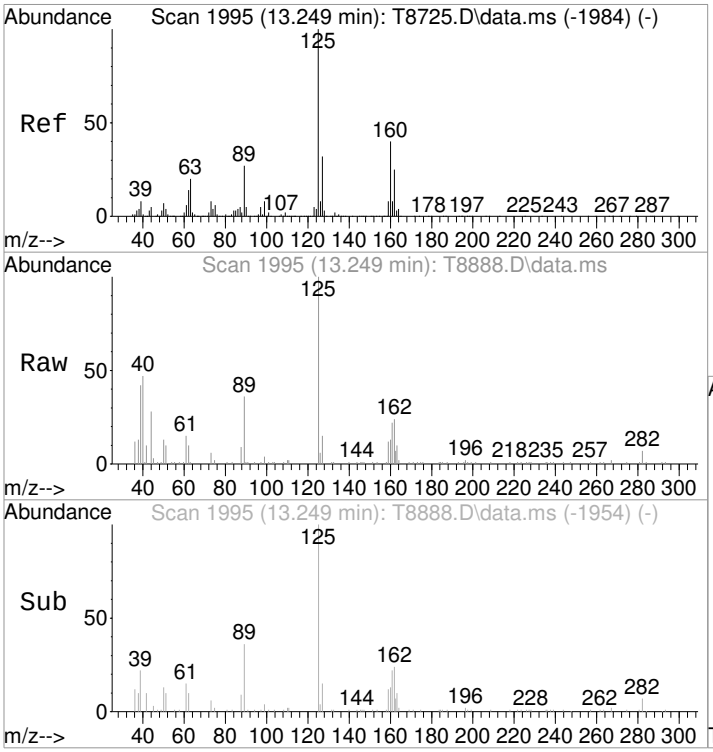


#111
Trielution Dichlorotoluene
Concen: 0.46 ug/L
RT: 12.932 min Scan# 1943
Delta R.T. 0.018 min
Lab File: T8888.D
Acq: 22 Sep 2021 1:16 pm

Tgt Ion:125 Resp: 2115

Ion	Ratio	Lower	Upper
125	100		
160	19.7	19.9	59.9#
89	15.0	18.2	58.2#

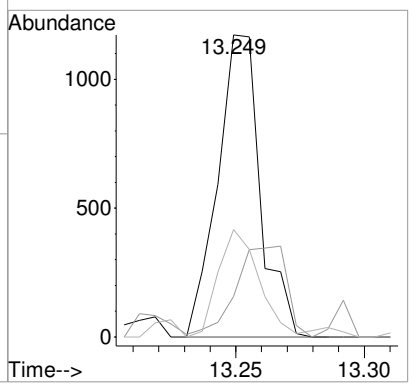


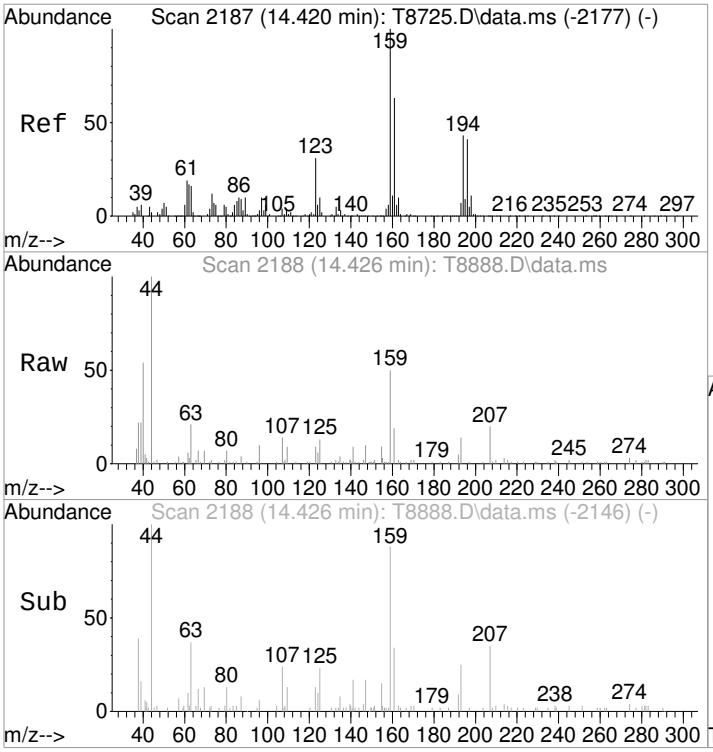


#113
Coelution Dichlorotoluene
Concen: 0.27 ug/L
RT: 13.249 min Scan# 1995
Delta R.T. -0.000 min
Lab File: T8888.D
Acq: 22 Sep 2021 1:16 pm

Tgt Ion:125 Resp: 1359

Ion	Ratio	Lower	Upper
125	100		
160	13.5	19.6	59.6#
89	35.6	7.5	47.5

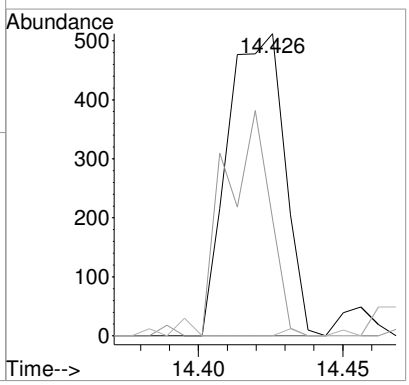


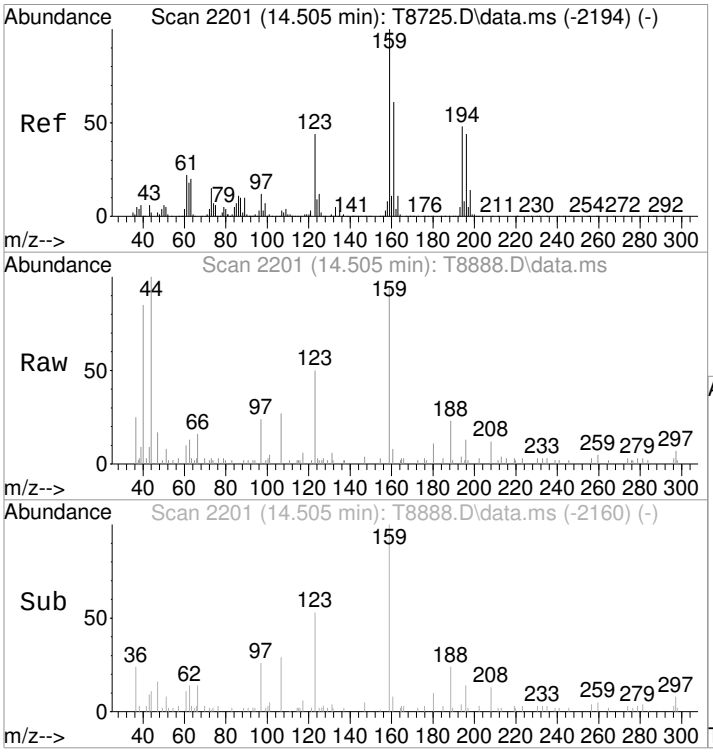


#118
2,4,5-Trichlorotoluene
Concen: 0.31 ug/L
RT: 14.426 min Scan# 2188
Delta R.T. 0.006 min
Lab File: T8888.D
Acq: 22 Sep 2021 1:16 pm

Tgt Ion:159 Resp: 694

Ion	Ratio	Lower	Upper
159	100		
161	38.7	42.7	82.7#
194	0.0	23.1	63.1#

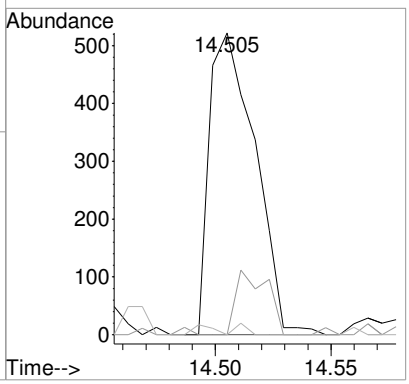




#119
2,3,6-Trichlorotoluene
Concen: 0.35 ug/L
RT: 14.505 min Scan# 2201
Delta R.T. -0.000 min
Lab File: T8888.D
Acq: 22 Sep 2021 1:16 pm

Tgt Ion:159 Resp: 715

Ion	Ratio	Lower	Upper
159	100		
161	0.0	40.6	80.6#
194	0.0	28.1	68.1#



LSC Area Percent Report

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Title : MS#10 - 8260B WATERS 5.0mL Purge

Signal : TIC: T8888.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.556	66	77	80	rBV5	59495	152819	9.93%	1.730%
2	5.257	667	684	694	rBV	168852	483368	31.40%	5.471%
3	5.403	697	708	719	rVB	351479	917751	59.62%	10.388%
4	5.793	763	772	783	rBV2	230387	546049	35.48%	6.181%
5	6.500	877	888	896	rBV	564976	1163026	75.56%	13.164%
6	8.317	1177	1186	1199	rBV	947320	1539226	100.00%	17.422%
7	9.811	1425	1431	1439	rBV	1089623	1477439	95.99%	16.723%
8	10.884	1599	1607	1616	rBV	833213	1041790	67.68%	11.792%
9	11.225	1659	1663	1669	rBV4	13369	20774	1.35%	0.235%
10	11.859	1762	1767	1775	rVB	1239401	1492748	96.98%	16.896%

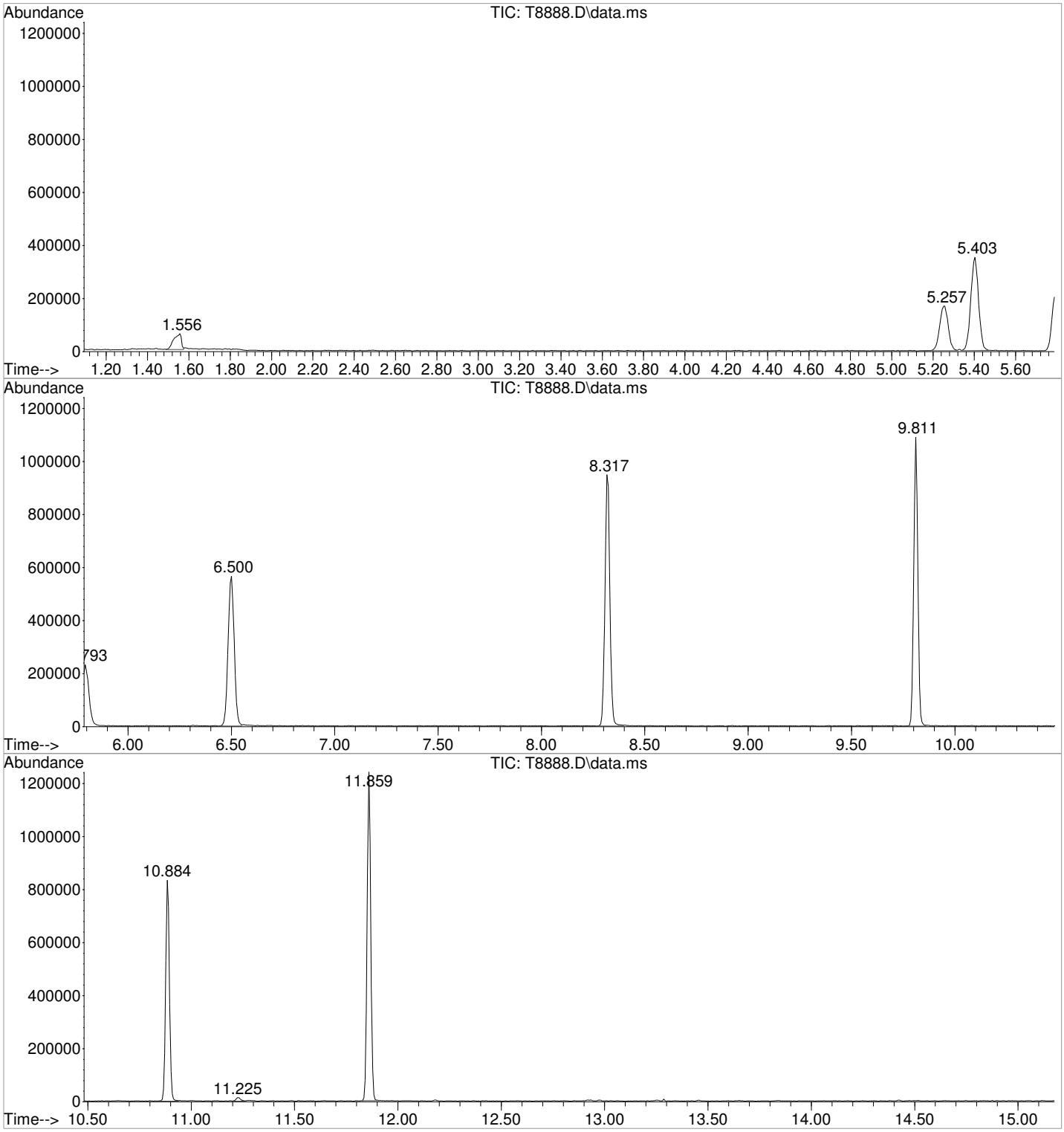
Sum of corrected areas: 8834990

LSC Report - Integrated Chromatogram

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

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



Library Search Compound Report

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

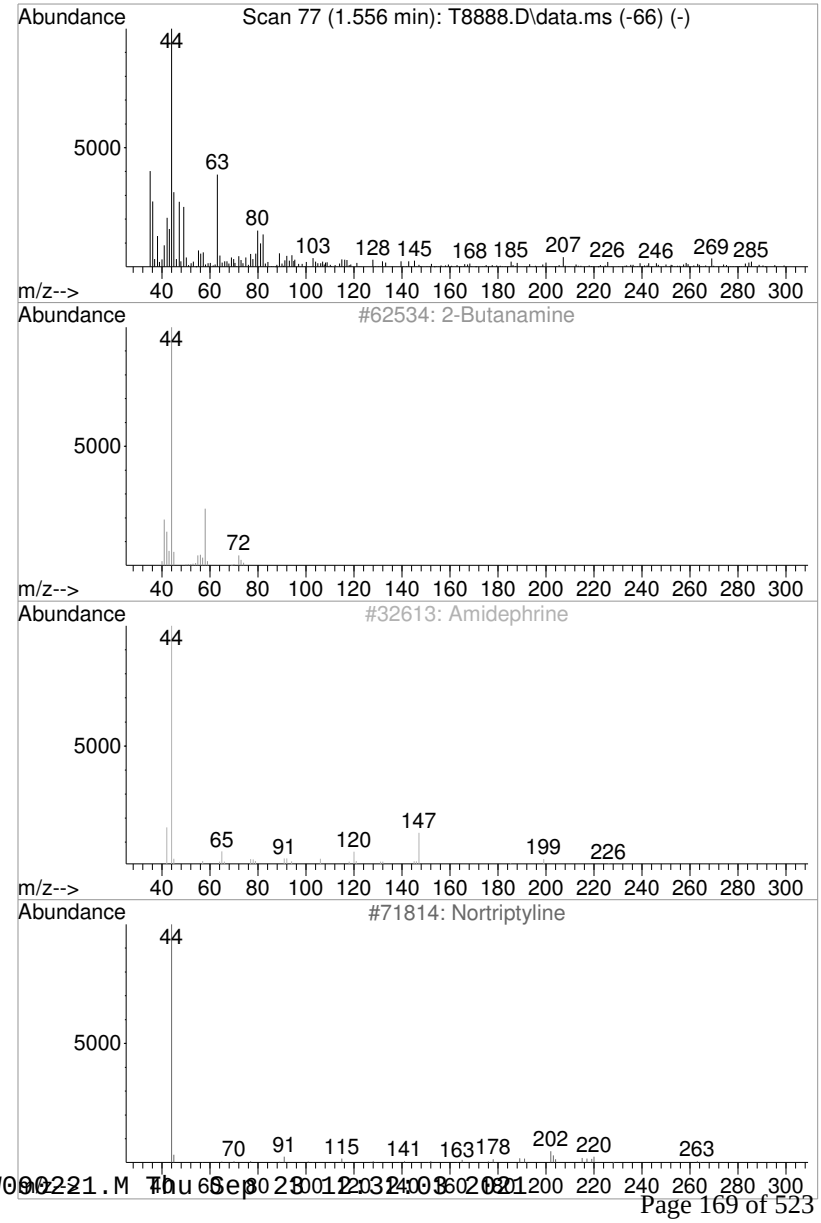
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

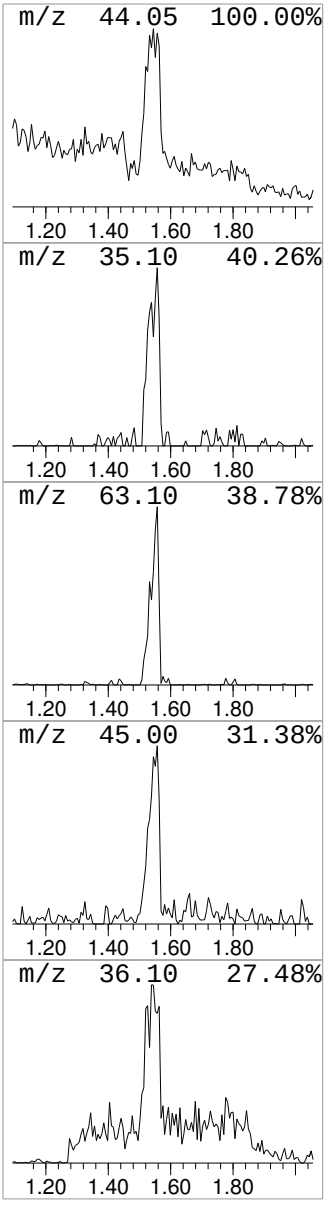
****

Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.556	8.33 ug/L	152819	Pentafluorobenzene	5.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanamine	73	C4H11N	013952-84-6	11
2	Amidephrine	244	C10H16N2O3S	003354-67-4	10
3	Nortriptyline	263	C19H21N	000072-69-5	9
4	1,2-Benzenediol, 4-[2-(methylami...	167	C9H13NO2	000501-15-5	9
5	4-Bromo-2,5-dimethoxyamphetamine	273	C11H16BrNO2	000000-00-0	9





Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8888.D
Acq On : 22 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL 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	1.556	8.3	ug/L	152819	1	5.403	917751	50.0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8948.D
Acq On : 23 Sep 2021 1:23 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 14:35:15 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\E041821.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

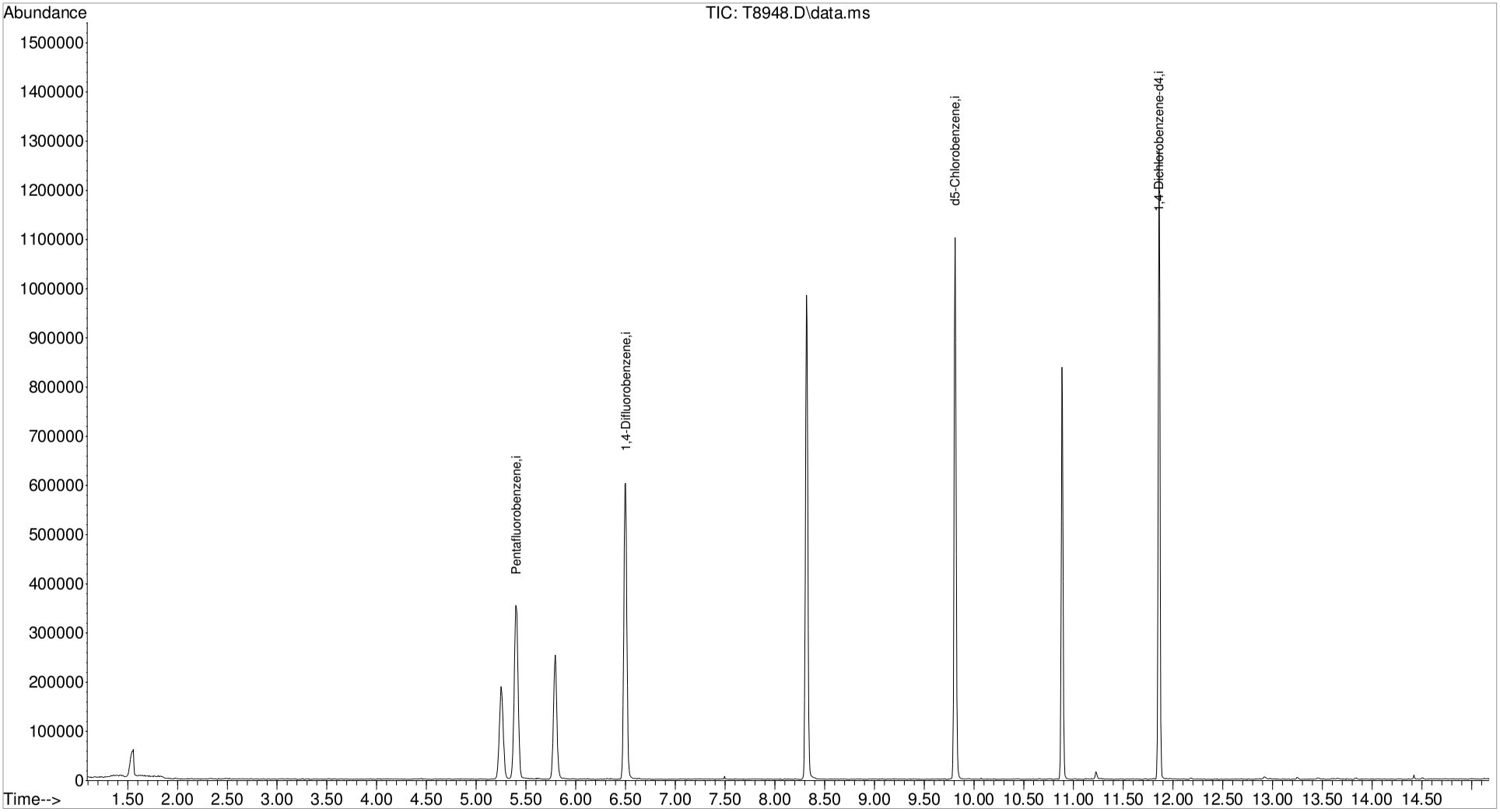
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	329109	50.00	ug/L	0.01
3) 1,4-Difluorobenzene	6.500	114	532478	50.00	ug/L	0.01
7) d5-Chlorobenzene	9.811	117	492458	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	237412	50.00	ug/L	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8948.D
Acq On : 23 Sep 2021 1:23 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 14:35:15 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\E041821.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration



1st FJ 09/24/21
2nd 09/24/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8948.D
Acq On : 23 Sep 2021 1:23 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 14:34:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

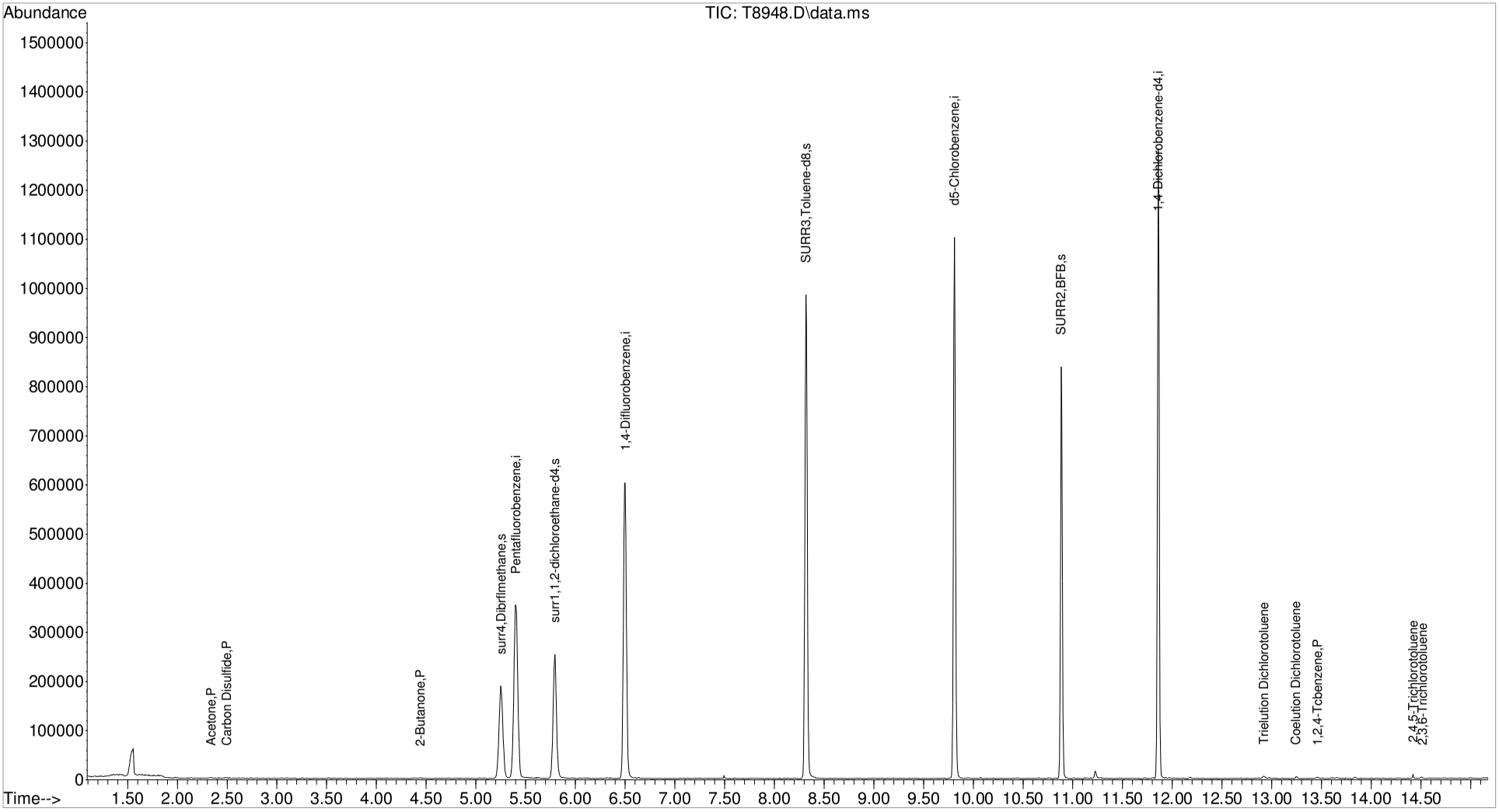
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	329109	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	532478	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	492497	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	237412	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	153269	51.56	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.12%				
46) surr1,1,2-dichloroetha...	5.793	65	206489	53.55	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.10%				
64) SURR3,Toluene-d8	8.317	98	609525	50.74	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.48%				
69) SURR2,BFB	10.884	95	207987	46.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.30%				
Target Compounds							Qvalue
15) Acetone	2.337	43	1552	1.02	ug/L		77
18) Carbon Disulfide	2.495	76	1297	0.21	ug/L		92
34) 2-Butanone	4.440	43	1584	0.71	ug/L	#	64
111) Trielution Dichlorotol...	12.920	125	2631	0.55	ug/L		90
113) Coelution Dichlorotoluene	13.243	125	1495	0.28	ug/L		78
114) 1,2,4-Tcbenzene	13.456	180	845	0.23	ug/L	#	41
115) Hexachlorobt	13.590	225	260	Below Cal		#	28
118) 2,4,5-Trichlorotoluene	14.420	159	558	0.24	ug/L	#	83
119) 2,3,6-Trichlorotoluene	14.511	159	572	0.27	ug/L	#	54

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

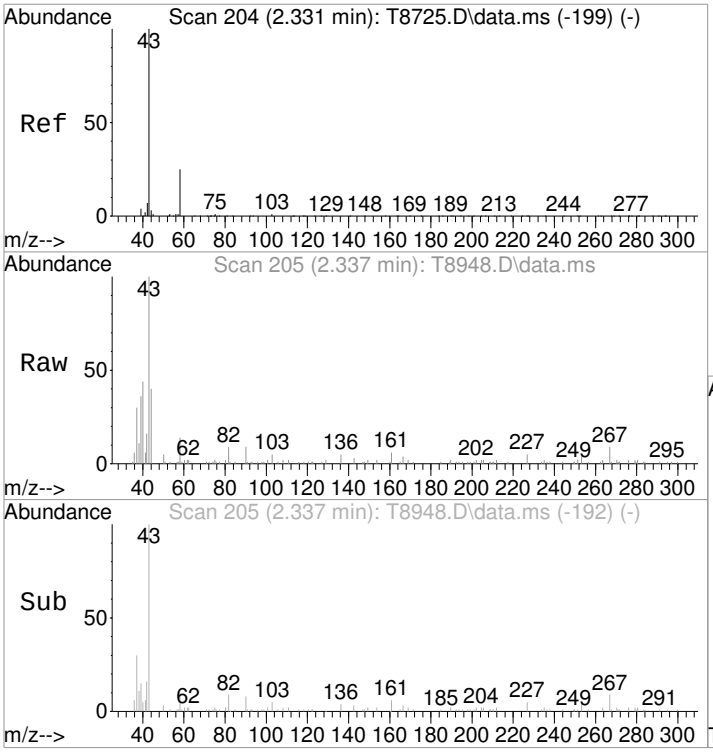
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8948.D
Acq On : 23 Sep 2021 1:23 pm
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 14:34:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



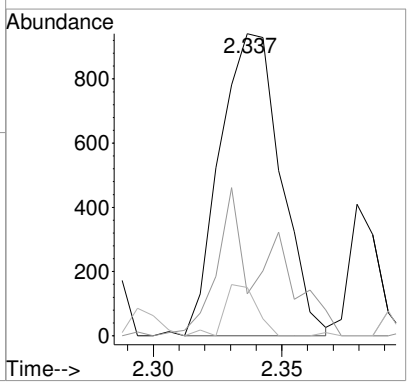
1st FJ 09/24/21
2nd 09/24/21

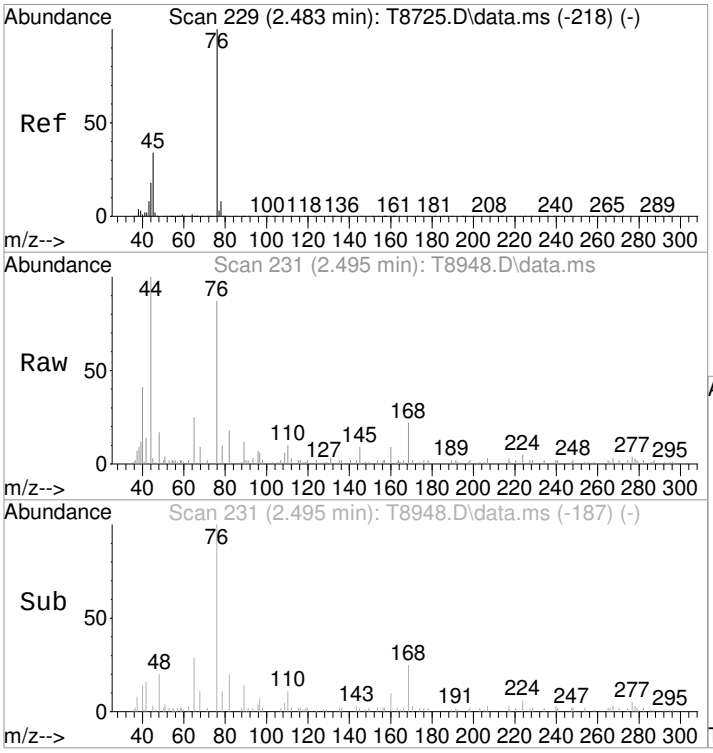


#15
Acetone
Concen: 1.02 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion: 43 Resp: 1552

Ion	Ratio	Lower	Upper
43	100		
58	13.9	4.9	44.9
42	15.9	0.0	27.1

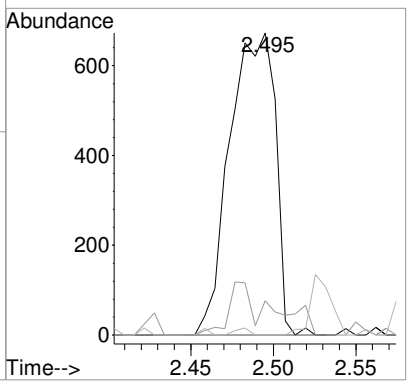


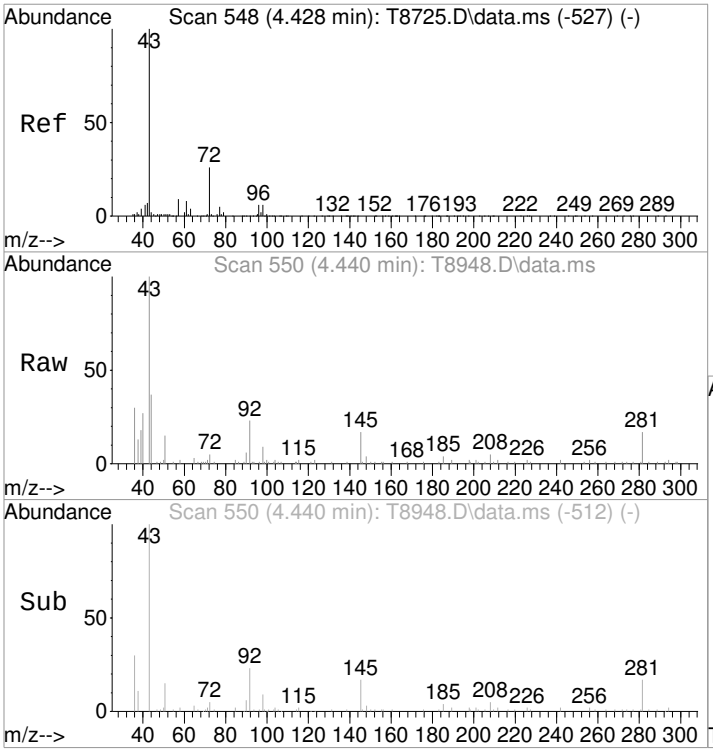


#18
Carbon Disulfide
Concen: 0.21 ug/L
RT: 2.495 min Scan# 231
Delta R.T. 0.012 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion: 76 Resp: 1297

Ion	Ratio	Lower	Upper
76	100		
78	11.3	0.0	28.4
77	0.0	0.0	22.7

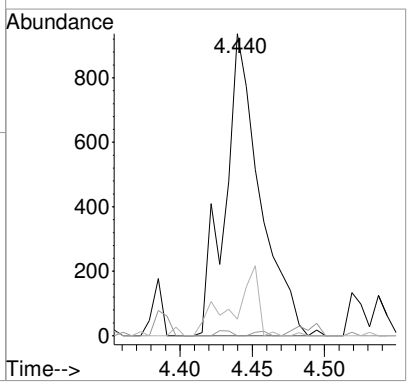


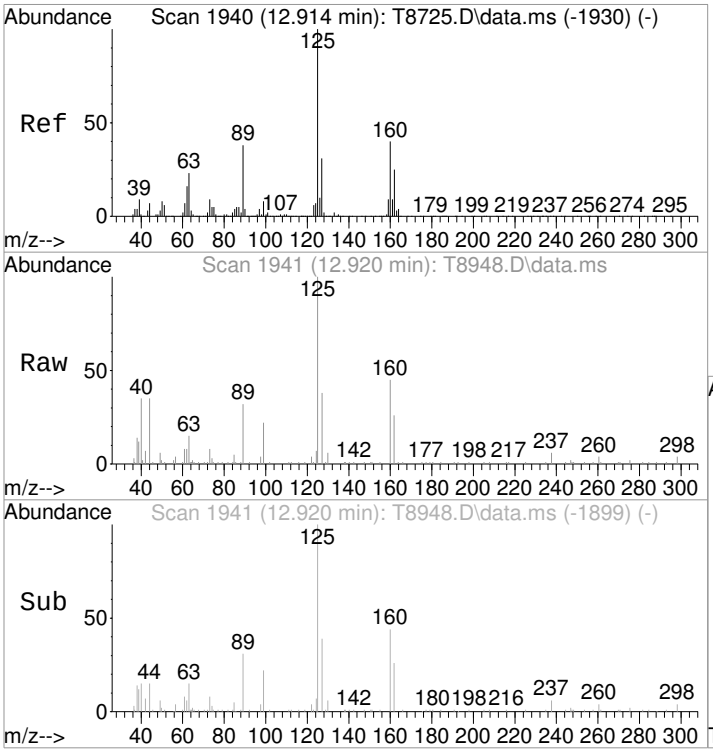


#34
2-Butanone
Concen: 0.71 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion: 43 Resp: 1584

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.5
72	5.4	6.2	46.2#

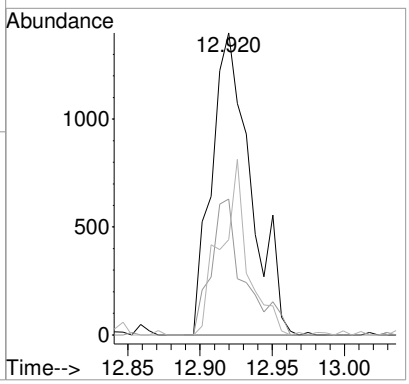


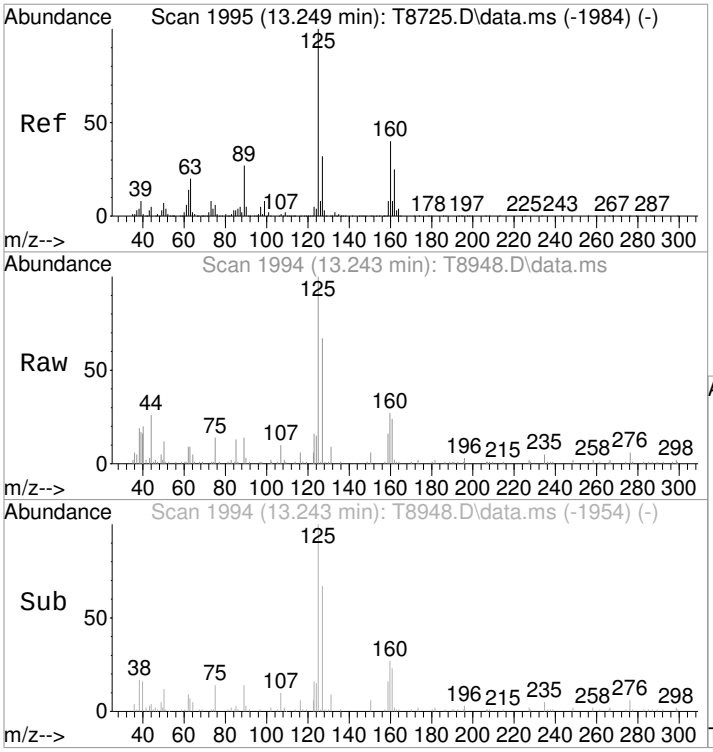


#111
Trielution Dichlorotoluene
Concen: 0.55 ug/L
RT: 12.920 min Scan# 1941
Delta R.T. 0.006 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:125 Resp: 2631

Ion	Ratio	Lower	Upper
125	100		
160	45.0	19.9	59.9
89	31.6	18.2	58.2

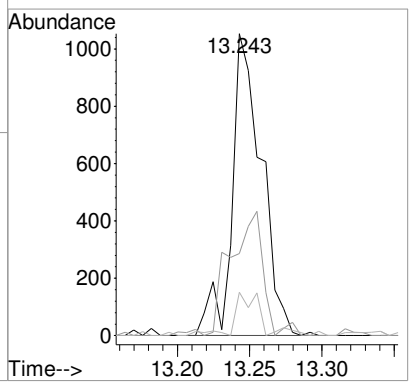


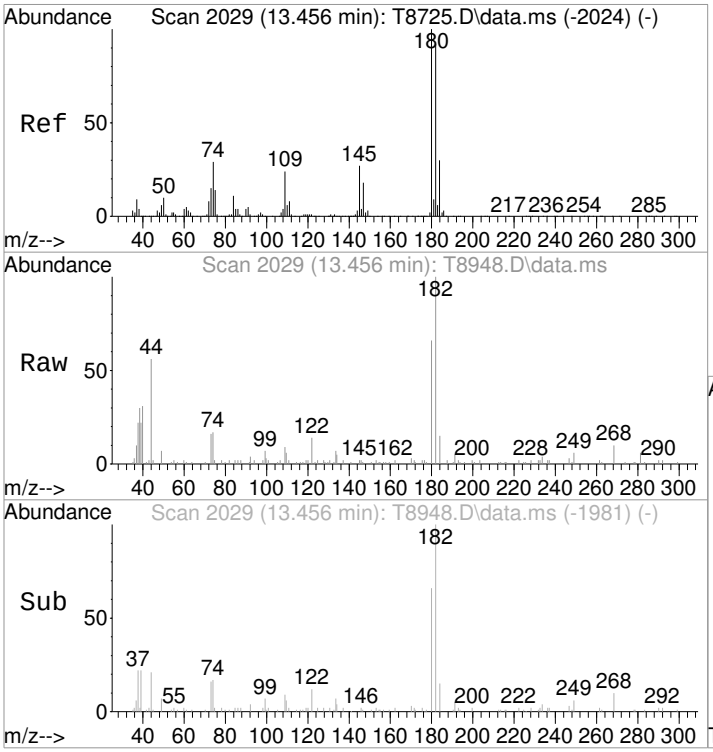


#113
Coelution Dichlorotoluene
Concen: 0.28 ug/L
RT: 13.243 min Scan# 1994
Delta R.T. -0.006 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:125 Resp: 1495

Ion	Ratio	Lower	Upper
125	100		
160	27.2	19.6	59.6
89	14.3	7.5	47.5

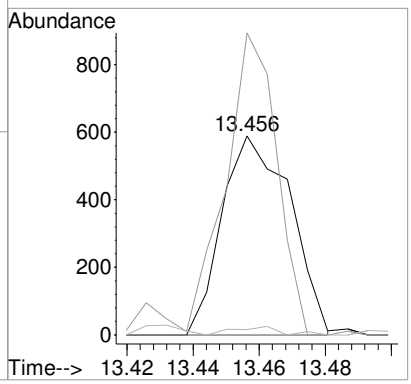


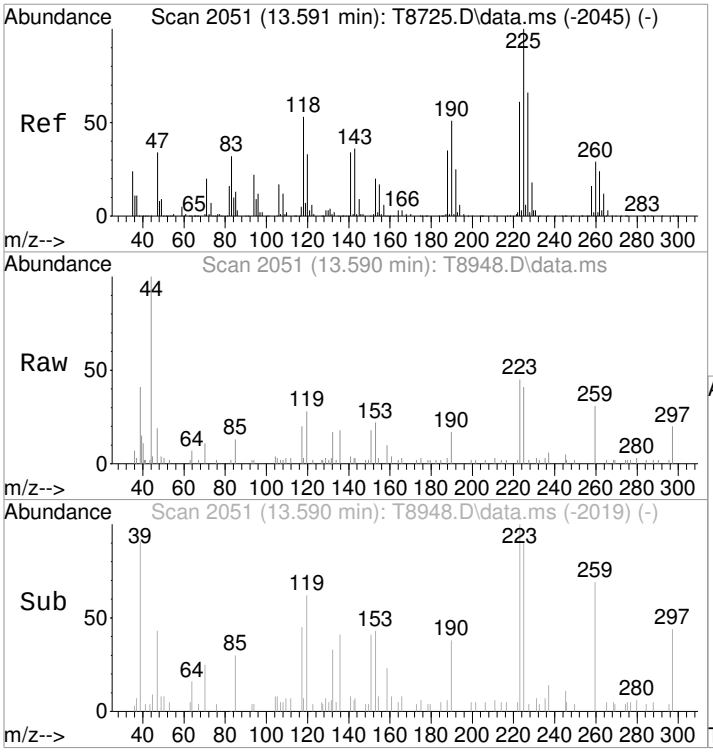


#114
1,2,4-Tcbenzene
Concen: 0.23 ug/L
RT: 13.456 min Scan# 2029
Delta R.T. -0.000 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:180 Resp: 845

Ion	Ratio	Lower	Upper
180	100		
182	151.8	71.7	111.7#
145	2.7	6.8	46.8#

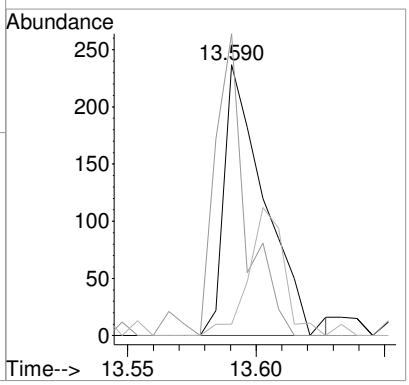


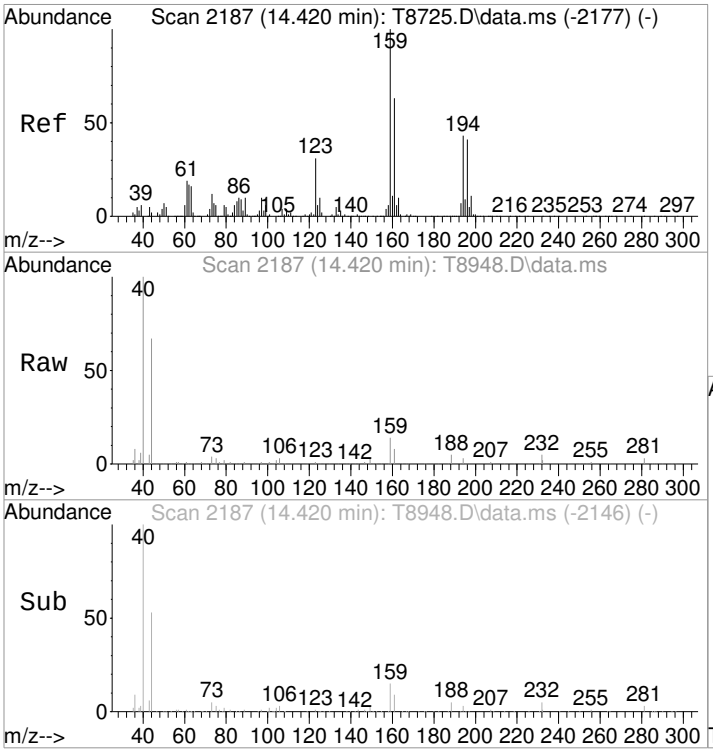


#115
Hexachlorobt
Concen: Below Cal
RT: 13.590 min Scan# 2051
Delta R.T. 0.000 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:225 Resp: 260

Ion	Ratio	Lower	Upper
225	100		
223	111.4	41.1	81.1#
227	4.2	45.6	85.6#

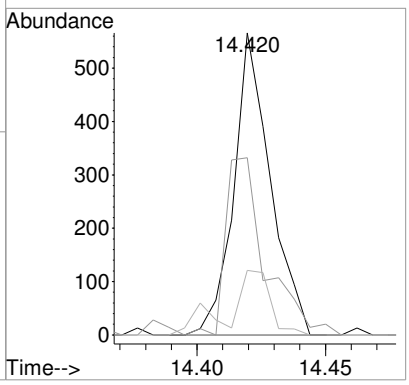


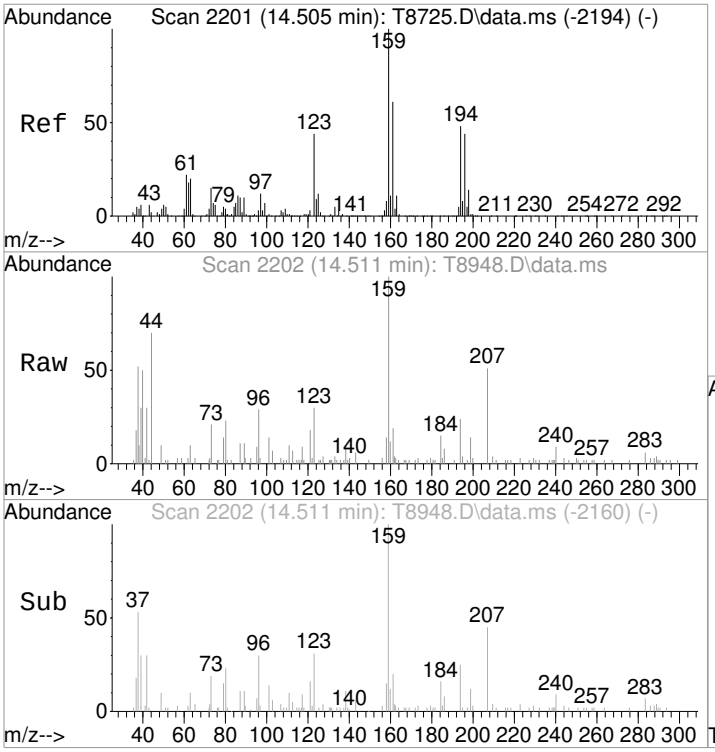


#118
2,4,5-Trichlorotoluene
Concen: 0.24 ug/L
RT: 14.420 min Scan# 2187
Delta R.T. -0.000 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:159 Resp: 558

Ion	Ratio	Lower	Upper
159	100		
161	58.7	42.7	82.7
194	21.4	23.1	63.1#

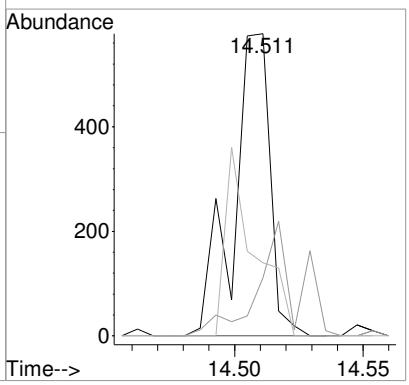




#119
2,3,6-Trichlorotoluene
Concen: 0.27 ug/L
RT: 14.511 min Scan# 2202
Delta R.T. 0.006 min
Lab File: T8948.D
Acq: 23 Sep 2021 1:23 pm

Tgt Ion:159 Resp: 572

Ion	Ratio	Lower	Upper
159	100		
161	19.2	40.6	80.6#
194	24.2	28.1	68.1#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8885.D
Acq On : 22 Sep 2021 11:57 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 12:24:12 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	338266	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	525715	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	491923	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	247319	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	151219	51.52	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.04%				
46) surr1,1,2-dichloroetha...	5.793	65	198149	52.05	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.10%				
64) SURR3,Toluene-d8	8.317	98	600243	50.61	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.22%				
69) SURR2,BFB	10.884	95	215690	49.00	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	86878	23.83	ug/L		100
3) Chloromethane	1.288	50	104028	25.89	ug/L		93
4) Vinyl Chloride	1.361	62	98566	22.91	ug/L		100
5) Bromomethane	1.593	94	77088	14.51	ug/L		99
6) Chloroethane	1.672	64	63955	22.22	ug/L		96
7) Freon 21	1.818	67	144234	18.61	ug/L		93
8) Trichlorofluoromethane	1.867	101	127767	25.58	ug/L		99
9) Diethyl Ether	2.099	59	59008	20.40	ug/L		91
10) Freon 123a	2.105	67	82105	22.11	ug/L		92
11) Freon 123	2.154	83	84944	20.56	ug/L		98
12) Acrolein	2.202	56	31830	45.24	ug/L		98
13) 1,1-Diclethene	2.294	96	56991	20.59	ug/L		94
14) Freon 113	2.300	101	57776	21.95	ug/L		92
15) Acetone	2.330	43	29258	18.68	ug/L		94
16) 2-Propanol	2.465	45	90416	271.69	ug/L		97
17) Iodomethane	2.422	142	86541	22.58	ug/L		96
18) Carbon Disulfide	2.483	76	169437	26.50	ug/L		99
19) Acetonitrile	2.580	41	54681	92.94	ug/L		99
20) Allyl Chloride	2.623	76	31986	20.05	ug/L		95
21) Methyl Acetate	2.647	43	77690	20.50	ug/L		96
22) Methylene Chloride	2.739	84	72630	21.22	ug/L		92
23) TBA	2.867	59	139055	264.68	ug/L		100
24) Acrylonitrile	2.995	53	157326	95.66	ug/L		97
25) Methyl-t-Butyl Ether	3.044	73	211075	19.48	ug/L		93
26) trans-1,2-Dichloroethene	3.038	96	68201	22.34	ug/L		87
27) 1,1-Diclethane	3.537	63	121160	21.66	ug/L		97
28) Vinyl Acetate	3.629	86	8958	13.62	ug/L	#	96
29) DIPE	3.659	45	219001	21.13	ug/L		99
30) 2-Chloro-1,3-Butadiene	3.666	53	99690	23.19	ug/L		100
31) ETBE	4.196	59	179963	18.55	ug/L		99
32) 2,2-Dichloropropane	4.373	77	77630	17.94	ug/L		95
33) cis-1,2-Dichloroethene	4.385	96	74418	21.35	ug/L		94
34) 2-Butanone	4.421	43	46870	20.56	ug/L		89
35) Propionitrile	4.501	54	60585	89.41	ug/L		100
36) Bromochloromethane	4.781	130	47334	21.02	ug/L	#	84
37) Methacrylonitrile	4.775	67	32108	18.80	ug/L	#	75
38) Tetrahydrofuran	4.866	42	25577	18.04	ug/L		97
39) Chloroform	4.964	83	117568	20.99	ug/L		94
40) 1,1,1-Trichloroethane	5.257	97	87763	19.68	ug/L		86

1st FNJ 09/22/21
2nd WR 09/23/21

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8885.D
Acq On : 22 Sep 2021 11:57 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 12:24:12 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	60661	19.19	ug/L		83
44) Carbontetrachloride	5.543	117	58700	15.93	ug/L		98
45) 1,1-Dichloropropene	5.555	75	88012	22.40	ug/L		91
47) Benzene	5.872	78	265951	21.54	ug/L		98
48) 1,2-Dichloroethane	5.915	62	96133	20.05	ug/L		98
49) Iso-Butyl Alcohol	5.885	43	56567	265.72	ug/L		90
50) TAME	6.116	73	185637	19.40	ug/L		95
51) n-Heptane	6.366	43	81601	23.23	ug/L		97
52) 1-Butanol	6.854	56	66039	637.22	ug/L		89
53) Trichloroethene	6.823	130	64521	21.11	ug/L		90
54) Methylcyclohexane	7.061	55	77461	21.34	ug/L		95
55) 1,2-Diclpropane	7.110	63	69537	20.41	ug/L		92
56) Dibromomethane	7.250	93	42889	19.20	ug/L		92
57) 1,4-Dioxane	7.311	88	21491	360.93	ug/L	#	67
58) Methyl Methacrylate	7.336	69	50146	18.05	ug/L		89
59) Bromodichloromethane	7.476	83	79098	19.78	ug/L		94
60) 2-Nitropropane	7.762	41	22306	22.13	ug/L		97
61) 2-Chloroethylvinyl Ether	7.884	63	45542	20.38	ug/L		100
62) cis-1,3-Dichloropropene	8.024	75	96508	19.53	ug/L		93
63) 4-Methyl-2-pentanone	8.226	43	82109	19.40	ug/L		96
65) Toluene	8.390	91	288014	21.66	ug/L		98
66) trans-1,3-Dichloropropene	8.665	75	80631	18.10	ug/L		98
67) Ethyl Methacrylate	8.805	69	74814	15.90	ug/L		95
68) 1,1,2-Trichloroethane	8.847	97	61029	20.02	ug/L		96
71) Tetrachloroethene	8.988	164	46805	20.93	ug/L		93
72) 2-Hexanone	9.140	43	55714	18.22	ug/L		92
73) 1,3-Dichloropropane	9.018	76	110343	20.90	ug/L		95
74) Dibromochloromethane	9.244	129	49951	17.13	ug/L		97
75) N-Butyl Acetate	9.299	43	99543	15.40	ug/L		98
76) 1,2-Dibromoethane	9.341	107	57107	18.39	ug/L		92
77) 3-Chlorobenzotrifluoride	9.853	180	86809	21.15	ug/L		99
78) Chlorobenzene	9.835	112	173331	20.56	ug/L		96
79) 4-Chlorobenzotrifluoride	9.914	180	75967	20.65	ug/L		94
80) 1,1,1,2-Tetrachloroethane	9.926	131	49141	17.25	ug/L		90
81) Ethylbenzene	9.957	106	91597	20.54	ug/L		92
82) (m+p)Xylene	10.073	106	233734	44.06	ug/L		94
83) o-Xylene	10.426	106	113355	21.02	ug/L		92
84) Styrene	10.439	104	197980	21.58	ug/L		99
85) Bromoform	10.591	173	28250	15.89	ug/L		86
86) 2-Chlorobenzotrifluoride	10.670	180	83006	20.29	ug/L		89
87) Isopropylbenzene	10.762	105	280456	22.02	ug/L		96
88) Cyclohexanone	10.823	55	214287	337.55	ug/L		97
89) trans-1,4-Dichloro-2-B...	11.073	53	17493	17.30	ug/L	#	74
91) 1,1,2,2-Tetrachloroethane	11.024	83	86803	20.10	ug/L		98
92) Bromobenzene	11.006	156	74986	22.25	ug/L		99
93) 1,2,3-Trichloropropane	11.048	110	27471	20.10	ug/L		98
94) n-Propylbenzene	11.115	91	356206	23.71	ug/L		96
95) 2-Chlorotoluene	11.176	91	205268	21.73	ug/L		96
96) 3-Chlorotoluene	11.231	91	212299	22.71	ug/L		97
97) 4-Chlorotoluene	11.274	91	240780	22.94	ug/L		95
98) 1,3,5-Trimethylbenzene	11.268	105	251084	22.87	ug/L		99
99) tert-Butylbenzene	11.542	119	205250	22.34	ug/L		97
100) 1,2,4-Trimethylbenzene	11.579	105	245515	22.41	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	60042	19.98	ug/L		98
102) sec-Butylbenzene	11.725	105	312076	23.85	ug/L		97
103) p-Isopropyltoluene	11.847	119	256964	23.13	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8885.D
Acq On : 22 Sep 2021 11:57 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 12:24:12 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

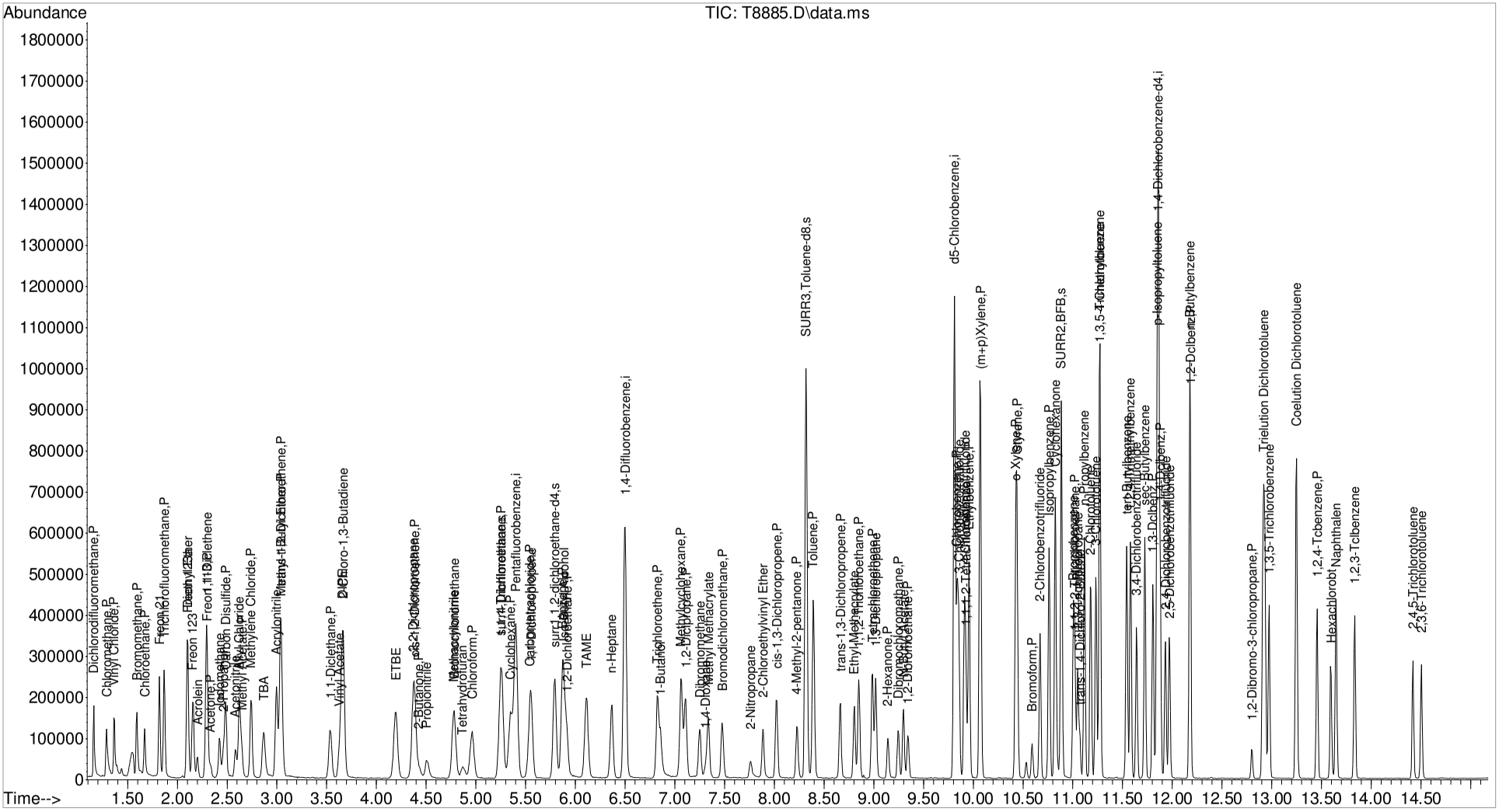
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	141069	21.99	ug/L	98
105) 1,4-Dclbenz	11.877	146	143435	20.26	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.932	214	54739	20.62	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.975	214	63054	20.79	ug/L	99
108) n-Butylbenzene	12.176	91	237500	22.39	ug/L	99
109) 1,2-Dclbenz	12.182	146	135862	21.04	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.804	157	11915	15.09	ug/L	91
111) Trielution Dichlorotol...	12.920	125	327967	65.87	ug/L	93
112) 1,3,5-Trichlorobenzene	12.975	180	90425	21.25	ug/L	94
113) Coelution Dichlorotoluene	13.249	125	237888	43.33	ug/L	99
114) 1,2,4-Tcbenzene	13.456	180	87067	22.33	ug/L	95
115) Hexachlorobt	13.596	225	35738	27.08	ug/L	93
116) Naphthalen	13.645	128	252574	20.96	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	84744	20.88	ug/L	93
118) 2,4,5-Trichlorotoluene	14.419	159	56532	23.50	ug/L	95
119) 2,3,6-Trichlorotoluene	14.505	159	49845	22.71	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8885.D
Acq On : 22 Sep 2021 11:57 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 12:24:12 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st FJ 09/22/21
2nd 09/23/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8945.D
Acq On : 23 Sep 2021 12:00 pm
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:35:32 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	344546	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	559421	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	511234	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	263344	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	165610	53.02	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.04%				
46) surr1,1,2-dichloroetha...	5.793	65	211460	52.20	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.40%				
64) SURR3,Toluene-d8	8.317	98	648201	51.36	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.72%				
69) SURR2,BFB	10.884	95	232260	49.59	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.18%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	93304	25.13	ug/L		97
3) Chloromethane	1.282	50	101729	24.86	ug/L		100
4) Vinyl Chloride	1.361	62	102246	23.33	ug/L		96
5) Bromomethane	1.587	94	77101	14.24	ug/L		100
6) Chloroethane	1.672	64	65101	22.21	ug/L		91
7) Freon 21	1.818	67	152059	19.26	ug/L		94
8) Trichlorofluoromethane	1.867	101	117760	23.15	ug/L		98
9) Diethyl Ether	2.099	59	62599	21.25	ug/L		94
10) Freon 123a	2.105	67	84227	22.27	ug/L		99
11) Freon 123	2.160	83	86268	20.50	ug/L		96
12) Acrolein	2.203	56	34815	48.58	ug/L		93
13) 1,1-Diclethene	2.288	96	60795	21.56	ug/L		96
14) Freon 113	2.294	101	62248	23.22	ug/L		97
15) Acetone	2.331	43	28496	17.86	ug/L		95
16) 2-Propanol	2.465	45	104385	307.95	ug/L		96
17) Iodomethane	2.422	142	89629	22.96	ug/L		93
18) Carbon Disulfide	2.483	76	161366	24.78	ug/L		96
19) Acetonitrile	2.580	41	56869	94.90	ug/L		93
20) Allyl Chloride	2.623	76	32775	20.17	ug/L	#	89
21) Methyl Acetate	2.648	43	83633	21.66	ug/L		94
22) Methylene Chloride	2.739	84	73416	21.06	ug/L		97
23) TBA	2.867	59	168072	314.08	ug/L		95
24) Acrylonitrile	2.995	53	168308	100.48	ug/L		100
25) Methyl-t-Butyl Ether	3.044	73	225164	20.40	ug/L		98
26) trans-1,2-Dichloroethene	3.038	96	65934	21.20	ug/L		96
27) 1,1-Diclethane	3.538	63	123589	21.69	ug/L		97
28) Vinyl Acetate	3.629	86	10145	15.15	ug/L	#	62
29) DIPE	3.660	45	225731	21.38	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.660	53	99670	22.77	ug/L		96
31) ETBE	4.196	59	194247	19.65	ug/L		98
32) 2,2-Dichloropropane	4.373	77	85277	19.35	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	78117	22.00	ug/L		93
34) 2-Butanone	4.434	43	45310	19.52	ug/L		98
35) Propionitrile	4.501	54	66158	95.86	ug/L		100
36) Bromochloromethane	4.769	130	48138	20.99	ug/L	#	82
37) Methacrylonitrile	4.781	67	34648	19.92	ug/L		87
38) Tetrahydrofuran	4.867	42	26011	18.01	ug/L		83
39) Chloroform	4.958	83	123133	21.59	ug/L		96
40) 1,1,1-Trichloroethane	5.263	97	92200	20.30	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8945.D
Acq On : 23 Sep 2021 12:00 pm
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:35:32 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	60168	17.88	ug/L		95
44) Carbontetrachloride	5.537	117	63895	16.30	ug/L		90
45) 1,1-Dichloropropene	5.556	75	87627	20.96	ug/L		97
47) Benzene	5.872	78	269774	20.53	ug/L		97
48) 1,2-Dichloroethane	5.915	62	100199	19.64	ug/L		95
49) Iso-Butyl Alcohol	5.885	43	62729	276.91	ug/L		90
50) TAME	6.110	73	204524	20.09	ug/L		97
51) n-Heptane	6.366	43	80352	21.50	ug/L		97
52) 1-Butanol	6.860	56	88629	793.51	ug/L		97
53) Trichloroethene	6.824	130	67303	20.69	ug/L		90
54) Methylcyclohexane	7.061	55	78412	20.30	ug/L		96
55) 1,2-Diclpropane	7.104	63	67198	18.53	ug/L		97
56) Dibromomethane	7.250	93	45507	19.15	ug/L		98
57) 1,4-Dioxane	7.305	88	23274	367.33	ug/L		89
58) Methyl Methacrylate	7.336	69	56947	19.26	ug/L		91
59) Bromodichloromethane	7.476	83	85089	19.99	ug/L		95
60) 2-Nitropropane	7.762	41	22097	20.61	ug/L		85
61) 2-Chloroethylvinyl Ether	7.884	63	43761	18.41	ug/L		96
62) cis-1,3-Dichloropropene	8.018	75	95142	18.09	ug/L		95
63) 4-Methyl-2-pentanone	8.226	43	80719	17.93	ug/L		98
65) Toluene	8.390	91	295590	20.89	ug/L		96
66) trans-1,3-Dichloropropene	8.659	75	85641	18.07	ug/L		95
67) Ethyl Methacrylate	8.805	69	81459	16.27	ug/L		93
68) 1,1,2-Trichloroethane	8.848	97	64833	19.99	ug/L		97
71) Tetrachloroethene	8.982	164	49069	21.12	ug/L		96
72) 2-Hexanone	9.140	43	56654	17.83	ug/L		96
73) 1,3-Dichloropropane	9.018	76	111530	20.33	ug/L		98
74) Dibromochloromethane	9.244	129	51978	17.15	ug/L		97
75) N-Butyl Acetate	9.299	43	110562	16.46	ug/L		96
76) 1,2-Dibromoethane	9.341	107	67517	20.92	ug/L		94
77) 3-Chlorobenzotrifluoride	9.853	180	89643	21.01	ug/L		92
78) Chlorobenzene	9.835	112	183572	20.95	ug/L		96
79) 4-Chlorobenzotrifluoride	9.908	180	78852	20.62	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.927	131	54417	18.38	ug/L		93
81) Ethylbenzene	9.957	106	97769	21.10	ug/L		97
82) (m+p)Xylene	10.067	106	243525	44.17	ug/L		95
83) o-Xylene	10.427	106	119695	21.36	ug/L		94
84) Styrene	10.439	104	202663	21.26	ug/L		94
85) Bromoform	10.591	173	29859	16.15	ug/L		99
86) 2-Chlorobenzotrifluoride	10.670	180	85694	20.16	ug/L		91
87) Isopropylbenzene	10.762	105	295237	22.31	ug/L		96
88) Cyclohexanone	10.823	55	160788	243.71	ug/L		100
89) trans-1,4-Dichloro-2-B...	11.073	53	16998	16.22	ug/L	#	75
91) 1,1,2,2-Tetrachloroethane	11.018	83	90189	19.61	ug/L		94
92) Bromobenzene	11.006	156	74706	20.82	ug/L		97
93) 1,2,3-Trichloropropane	11.048	110	26574	18.26	ug/L		97
94) n-Propylbenzene	11.115	91	359720	22.48	ug/L		100
95) 2-Chlorotoluene	11.182	91	208527	20.73	ug/L		97
96) 3-Chlorotoluene	11.231	91	229010	23.00	ug/L		97
97) 4-Chlorotoluene	11.274	91	238279	21.32	ug/L		99
98) 1,3,5-Trimethylbenzene	11.268	105	259094	22.17	ug/L		97
99) tert-Butylbenzene	11.542	119	212697	21.74	ug/L		96
100) 1,2,4-Trimethylbenzene	11.579	105	254490	21.81	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.640	214	66547	20.80	ug/L		94
102) sec-Butylbenzene	11.725	105	314906	22.60	ug/L		98
103) p-Isopropyltoluene	11.847	119	264286	22.34	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8945.D
Acq On : 23 Sep 2021 12:00 pm
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:35:32 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

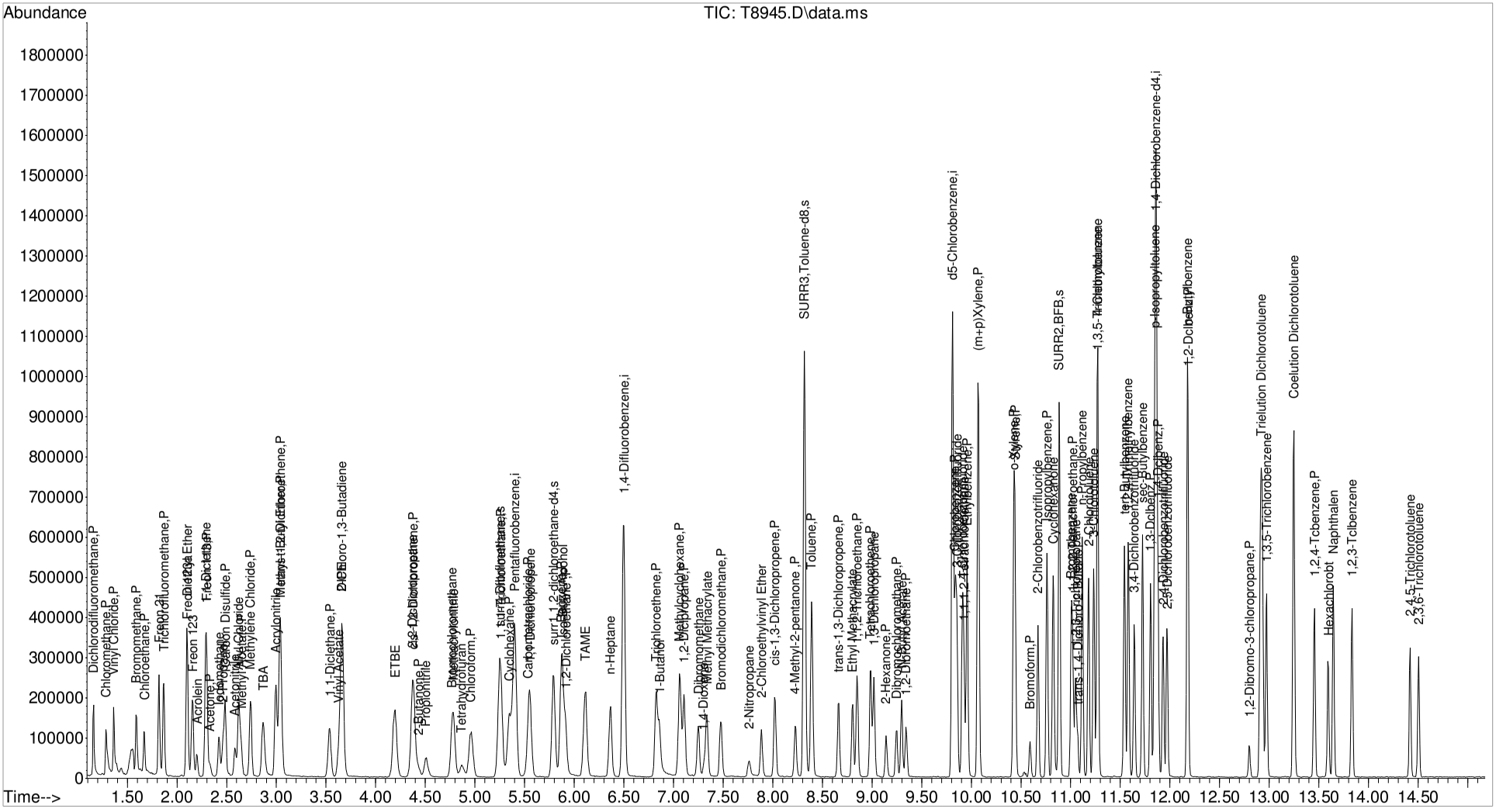
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	146428	21.44	ug/L	100
105) 1,4-Dclbenz	11.877	146	148199	19.66	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.932	214	58240	20.60	ug/L	93
107) 2,5-Dichlorobenzotrifl...	11.975	214	65010	20.13	ug/L	96
108) n-Butylbenzene	12.176	91	248576	22.01	ug/L	100
109) 1,2-Dclbenz	12.182	146	146696	21.33	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.804	157	13760	16.37	ug/L	94
111) Trielution Dichlorotol...	12.920	125	374962	70.73	ug/L	94
112) 1,3,5-Trichlorobenzene	12.975	180	102902	22.71	ug/L	95
113) Coelution Dichlorotoluene	13.249	125	262251	44.87	ug/L	95
114) 1,2,4-Tcbenzene	13.456	180	93644	22.56	ug/L	92
115) Hexachlorobt	13.597	225	35927	25.58	ug/L	98
116) Naphthalen	13.645	128	275359	21.46	ug/L	100
117) 1,2,3-Tclbenzene	13.834	180	88642	20.51	ug/L	95
118) 2,4,5-Trichlorotoluene	14.420	159	64200	25.06	ug/L	97
119) 2,3,6-Trichlorotoluene	14.505	159	56436	24.15	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8945.D
Acq On : 23 Sep 2021 12:00 pm
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 12:35:32 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st FJ 09/23/21
2nd 09/24/21

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8883.D
Acq On : 22 Sep 2021 10:46 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 11:03:11 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	130	0.00
2	P	Dichlorodifluoromethane	50.000	58.719	-17.4	171	0.00
3	P	Chloromethane	50.000	47.152	5.7	139	0.00
4	P	Vinyl Chloride	50.000	49.906	0.2	143	0.00
5	P	Bromomethane	50.000	37.965	24.1#	128	0.00
6	P	Chloroethane	50.000	45.372	9.3	136	0.00
7		Freon 21	50.000	48.913	2.2	173	0.00
8	P	Trichlorofluoromethane	50.000	51.369	-2.7	173	0.00
9		Diethyl Ether	50.000	50.806	-1.6	137	0.00
10		Freon 123a	50.000	51.158	-2.3	166	0.00
11		Freon 123	50.000	51.891	-3.8	169	0.00
12		Acrolein	250.000	191.663	23.3#	104	0.00
13		1,1-Diclethene	50.000	50.112	-0.2	156	0.00
14	P	Freon 113	50.000	55.612	-11.2	177	0.00
15	P	Acetone	50.000	48.660	2.7	143	0.00
16		2-Propanol	1000.000	771.316	22.9#	105	0.00
17		Iodomethane	50.000	50.950	-1.9	146	0.00
18	P	Carbon Disulfide	50.000	53.487	-7.0	163	0.00
19		Acetonitrile	250.000	238.684	4.5	113	0.00
20		Allyl Chloride	50.000	46.002	8.0	127	0.00
21	P	Methyl Acetate	50.000	45.421	9.2	129	0.00
22	P	Methylene Chloride	50.000	49.028	1.9	143	0.00
23		TBA	1000.000	675.679	32.4#	91	0.00
24		Acrylonitrile	250.000	250.285	-0.1	134	0.00
25	P	Methyl-t-Butyl Ether	50.000	49.010	2.0	131	0.00
26	P	trans-1,2-Dichloroethene	50.000	50.900	-1.8	149	0.00
27	P	1,1-Diclethane	50.000	50.733	-1.5	141	0.00
28		Vinyl Acetate	50.000	47.858	4.3	124	0.00
29		DIPE	50.000	50.898	-1.8	136	0.00
30		2-Chloro-1,3-Butadiene	50.000	53.588	-7.2	163	0.00
31		ETBE	50.000	45.993	8.0	126	0.00
32		2,2-Dichloropropane	50.000	39.844	20.3#	120	0.00
33	P	cis-1,2-Dichloroethene	50.000	49.446	1.1	143	0.00
34	P	2-Butanone	50.000	51.798	-3.6	142	0.00
35		Propionitrile	250.000	236.937	5.2	130	0.00
36		Bromochloromethane	50.000	48.145	3.7	134	0.00
37		Methacrylonitrile	50.000	51.068	-2.1	131	0.00
38		Tetrahydrofuran	50.000	45.765	8.5	132	0.00
39	P	Chloroform	50.000	51.581	-3.2	141	0.00
40	P	1,1,1-Trichloroethane	50.000	45.121	9.8	133	-0.01
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	131	0.00
42	P	Cyclohexane	50.000	48.738	2.5	158	-0.01
43	s	surr4,Dibrflmethane	50.000	51.670	-3.3	131	-0.01
44	P	Carbontetrachloride	50.000	36.438	27.1#	116	0.00
45		1,1-Dichloropropene	50.000	50.542	-1.1	156	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	52.732	-5.5	141	0.00
47	P	Benzene	50.000	50.772	-1.5	140	0.00
48	P	1,2-Dichloroethane	50.000	48.614	2.8	130	0.00
49		Iso-Butyl Alcohol	1000.000	703.752	29.6#	90	0.00
50		TAME	50.000	46.489	7.0	128	0.00
51		n-Heptane	50.000	57.571	-15.1	181	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8883.D
Acq On : 22 Sep 2021 10:46 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 11:03:11 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.000	1924.817	23.0#	91	0.00
53	P	Trichloroethene	50.000	50.631	-1.3	145	0.00
54	P	Methylcyclohexane	50.000	52.509	-5.0	171	0.00
55	P	1,2-Diclpropane	50.000	47.057	5.9	133	0.00
56		Dibromomethane	50.000	48.957	2.1	138	0.00
57		1,4-Dioxane	1000.000	1015.163	-1.5	132	0.00
58		Methyl Methacrylate	50.000	46.674	6.7	120	0.00
59	P	Bromodichloromethane	50.000	48.258	3.5	124	0.00
60		2-Nitropropane	100.000	64.998	35.0#	83	0.00
61		2-Chloroethylvinyl Ether	50.000	52.538	-5.1	134	0.00
62	P	cis-1,3-Dichloropropene	50.000	44.770	10.5	121	0.00
63	P	4-Methyl-2-pentanone	50.000	48.293	3.4	126	0.00
64	s	SURR3,Toluene-d8	50.000	51.116	-2.2	131	0.00
65	P	Toluene	50.000	50.128	-0.3	143	0.00
66	P	trans-1,3-Dichloropropene	50.000	42.278	15.4	107	0.00
67		Ethyl Methacrylate	50.000	45.714	8.6	115	0.00
68	P	1,1,2-Trichloroethane	50.000	49.796	0.4	129	0.00
69	s	SURR2,BFB	50.000	52.552	-5.1	139	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	129	0.00
71	P	Tetrachloroethene	50.000	51.745	-3.5	160	0.00
72	P	2-Hexanone	50.000	48.137	3.7	120	0.00
73		1,3-Dichloropropane	50.000	49.707	0.6	128	0.00
74	P	Dibromochloromethane	50.000	43.987	12.0	113	0.00
75		N-Butyl Acetate	50.000	43.445	13.1	112	0.00
76	P	1,2-Dibromoethane	50.000	48.859	2.3	121	0.00
77		3-Chlorobenzotrifluoride	50.000	52.301	-4.6	151	0.00
78	P	Chlorobenzene	50.000	49.434	1.1	137	0.00
79		4-Chlorobenzotrifluoride	50.000	52.407	-4.8	155	0.00
80		1,1,1,2-Tetrachloroethane	50.000	42.377	15.2	112	0.00
81	P	Ethylbenzene	50.000	50.427	-0.9	142	0.00
82	P	(m+p)Xylene	100.000	106.789	-6.8	145	0.00
83	P	o-Xylene	50.000	51.915	-3.8	143	0.00
84	P	Styrene	50.000	50.637	-1.3	135	0.00
85	P	Bromoform	50.000	40.530	18.9	97	0.00
86		2-Chlorobenzotrifluoride	50.000	53.273	-6.5	151	0.00
87	P	Isopropylbenzene	50.000	53.003	-6.0	153	0.00
88		Cyclohexanone	1000.000	959.862	4.0	121	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	46.021	8.0	117	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	134	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	49.322	1.4	132	0.00
92		Bromobenzene	50.000	50.495	-1.0	137	0.00
93		1,2,3-Trichloropropane	50.000	46.101	7.8	127	0.00
94		n-Propylbenzene	50.000	52.021	-4.0	150	0.00
95		2-Chlorotoluene	50.000	50.142	-0.3	144	0.00
96		3-Chlorotoluene	50.000	54.740	-9.5	150	0.00
97		4-Chlorotoluene	50.000	51.238	-2.5	144	0.00
98		1,3,5-Trimethylbenzene	50.000	53.676	-7.4	149	0.00
99		tert-Butylbenzene	50.000	50.776	-1.6	154	0.00
100		1,2,4-Trimethylbenzene	50.000	52.264	-4.5	144	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	51.965	-3.9	160	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8883.D
Acq On : 22 Sep 2021 10:46 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 11:03:11 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.000	53.432	-6.9	156	0.00
103		p-Isopropyltoluene	50.000	54.529	-9.1	153	0.00
104	P	1,3-Dclbenz	50.000	50.853	-1.7	139	0.00
105	P	1,4-Dclbenz	50.000	47.178	5.6	135	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	53.668	-7.3	154	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	51.518	-3.0	146	0.00
108		n-Butylbenzene	50.000	55.135	-10.3	154	0.00
109	P	1,2-Dclbenz	50.000	51.103	-2.2	133	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	38.953	22.1#	95	0.00
111		Trielution Dichlorotoluene	150.000	167.970	-12.0	147	0.00
112		1,3,5-Trichlorobenzene	50.000	54.831	-9.7	150	0.00
113		Coelution Dichlorotoluene	100.000	111.709	-11.7	145	0.00
114	P	1,2,4-Tcbenzene	50.000	52.448	-4.9	132	0.00
115		Hexachlorobt	50.000	55.854	-11.7	153	0.00
116		Naphthalen	50.000	53.614	-7.2	125	0.00
117		1,2,3-Tclbenzene	50.000	49.124	1.8	132	0.00
118		2,4,5-Trichlorotoluene	50.000	57.944	-15.9	144	0.00
119		2,3,6-Trichlorotoluene	50.000	56.475	-13.0	143	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8883.D
Acq On : 22 Sep 2021 10:46 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 11:03:11 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	336384	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	527874	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	490142	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	274141	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	152278	51.67	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.34%			
46) surr1,1,2-dichloroetha...	5.793	65	201588	52.73	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.46%			
64) SURR3,Toluene-d8	8.317	98	608727	51.12	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.24%			
69) SURR2,BFB	10.884	95	232275	52.55	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	212882	58.72	ug/L	99
3) Chloromethane	1.282	50	188394	47.15	ug/L	99
4) Vinyl Chloride	1.361	62	213493	49.91	ug/L	99
5) Bromomethane	1.587	94	200641	37.96	ug/L	96
6) Chloroethane	1.666	64	129845	45.37	ug/L	93
7) Freon 21	1.818	67	376983	48.91	ug/L	98
8) Trichlorofluoromethane	1.867	101	255131	51.37	ug/L	97
9) Diethyl Ether	2.099	59	146151	50.81	ug/L	95
10) Freon 123a	2.099	67	188910	51.16	ug/L	99
11) Freon 123	2.154	83	213199	51.89	ug/L	94
12) Acrolein	2.196	56	134096	191.66	ug/L	97
13) 1,1-Diclethene	2.294	96	137930	50.11	ug/L	98
14) Freon 113	2.294	101	145566	55.61	ug/L	98
15) Acetone	2.331	43	75794	48.66	ug/L	93
16) 2-Propanol	2.465	45	255261	771.32	ug/L	94
17) Iodomethane	2.422	142	194151	50.95	ug/L	94
18) Carbon Disulfide	2.483	76	340048	53.49	ug/L	97
19) Acetonitrile	2.587	41	139643	238.68	ug/L	92
20) Allyl Chloride	2.623	76	72978	46.00	ug/L	93
21) Methyl Acetate	2.648	43	171205	45.42	ug/L	92
22) Methylene Chloride	2.739	84	166887	49.03	ug/L	97
23) TBA	2.867	59	353006	675.68	ug/L	99
24) Acrylonitrile	2.995	53	409319	250.29	ug/L	91
25) Methyl-t-Butyl Ether	3.044	73	528136	49.01	ug/L	95
26) trans-1,2-Dichloroethene	3.038	96	154520	50.90	ug/L	97
27) 1,1-Diclethane	3.532	63	282263	50.73	ug/L	96
28) Vinyl Acetate	3.629	86	31292	47.86	ug/L #	96
29) DIPE	3.666	45	524647	50.90	ug/L	99
30) 2-Chloro-1,3-Butadiene	3.660	53	229045	53.59	ug/L	99
31) ETBE	4.196	59	443794	45.99	ug/L	97
32) 2,2-Dichloropropane	4.373	77	171474	39.84	ug/L	99
33) cis-1,2-Dichloroethene	4.379	96	171382	49.45	ug/L	99
34) 2-Butanone	4.422	43	117406	51.80	ug/L	94
35) Propionitrile	4.507	54	159649	236.94	ug/L	94
36) Bromochloromethane	4.781	130	107820	48.14	ug/L	97
37) Methacrylonitrile	4.781	67	86742	51.07	ug/L #	78
38) Tetrahydrofuran	4.867	42	64541	45.77	ug/L	96
39) Chloroform	4.958	83	289379	51.58	ug/L	97
40) 1,1,1-Trichloroethane	5.257	97	200079	45.12	ug/L	94

1st FNJ 09/22/21
2nd 09/23/21

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8883.D
Acq On : 22 Sep 2021 10:46 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 11:03:11 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	154727	48.74	ug/L		92
44) Carbontetrachloride	5.543	117	134810	36.44	ug/L		92
45) 1,1-Dichloropropene	5.556	75	199371	50.54	ug/L		98
47) Benzene	5.873	78	629547	50.77	ug/L		97
48) 1,2-Dichloroethane	5.915	62	234047	48.61	ug/L		97
49) Iso-Butyl Alcohol	5.891	43	150430	703.75	ug/L		100
50) TAME	6.110	73	446603	46.49	ug/L		99
51) n-Heptane	6.366	43	203061	57.57	ug/L		94
52) 1-Butanol	6.860	56	220469	1924.82	ug/L		98
53) Trichloroethene	6.824	130	155389	50.63	ug/L		87
54) Methylcyclohexane	7.061	55	191381	52.51	ug/L		92
55) 1,2-Diclpropane	7.104	63	161011	47.06	ug/L		97
56) Dibromomethane	7.250	93	109799	48.96	ug/L		94
57) 1,4-Dioxane	7.305	88	60694	1015.16	ug/L		78
58) Methyl Methacrylate	7.336	69	130232	46.67	ug/L		97
59) Bromodichloromethane	7.482	83	193817	48.26	ug/L		99
60) 2-Nitropropane	7.762	41	65769	65.00	ug/L		99
61) 2-Chloroethylvinyl Ether	7.884	63	117859	52.54	ug/L		97
62) cis-1,3-Dichloropropene	8.025	75	222195	44.77	ug/L		94
63) 4-Methyl-2-pentanone	8.226	43	205197	48.29	ug/L		98
65) Toluene	8.390	91	669153	50.13	ug/L		97
66) trans-1,3-Dichloropropene	8.665	75	189070	42.28	ug/L		98
67) Ethyl Methacrylate	8.805	69	215960	45.71	ug/L		93
68) 1,1,2-Trichloroethane	8.848	97	152416	49.80	ug/L		90
71) Tetrachloroethene	8.988	164	115271	51.75	ug/L		97
72) 2-Hexanone	9.140	43	146641	48.14	ug/L		98
73) 1,3-Dichloropropane	9.018	76	261430	49.71	ug/L		99
74) Dibromochloromethane	9.250	129	127830	43.99	ug/L		96
75) N-Butyl Acetate	9.299	43	279739	43.45	ug/L		99
76) 1,2-Dibromoethane	9.341	107	151166	48.86	ug/L		91
77) 3-Chlorobenzotrifluoride	9.860	180	213932	52.30	ug/L		95
78) Chlorobenzene	9.835	112	415337	49.43	ug/L		97
79) 4-Chlorobenzotrifluoride	9.908	180	192131	52.41	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.927	131	120266	42.38	ug/L		95
81) Ethylbenzene	9.957	106	224048	50.43	ug/L		95
82) (m+p)Xylene	10.067	106	564459	106.79	ug/L		99
83) o-Xylene	10.427	106	278918	51.91	ug/L		95
84) Styrene	10.439	104	478838	50.64	ug/L		98
85) Bromoform	10.591	173	76737	40.53	ug/L		95
86) 2-Chlorobenzotrifluoride	10.670	180	217132	53.27	ug/L		96
87) Isopropylbenzene	10.762	105	672601	53.00	ug/L		99
88) Cyclohexanone	10.823	55	607139	959.86	ug/L		95
89) trans-1,4-Dichloro-2-B...	11.067	53	49188	46.02	ug/L	#	76
91) 1,1,2,2-Tetrachloroethane	11.024	83	236102	49.32	ug/L		99
92) Bromobenzene	11.006	156	188614	50.49	ug/L		99
93) 1,2,3-Trichloropropane	11.048	110	69839	46.10	ug/L		97
94) n-Propylbenzene	11.115	91	866411	52.02	ug/L		98
95) 2-Chlorotoluene	11.182	91	525077	50.14	ug/L		98
96) 3-Chlorotoluene	11.231	91	567291	54.74	ug/L		99
97) 4-Chlorotoluene	11.274	91	596019	51.24	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	653085	53.68	ug/L		99
99) tert-Butylbenzene	11.542	119	517032	50.78	ug/L		97
100) 1,2,4-Trimethylbenzene	11.579	105	634741	52.26	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.640	214	173081	51.97	ug/L		93
102) sec-Butylbenzene	11.725	105	774917	53.43	ug/L		99
103) p-Isopropyltoluene	11.847	119	671616	54.53	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8883.D
Acq On : 22 Sep 2021 10:46 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 11:03:11 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

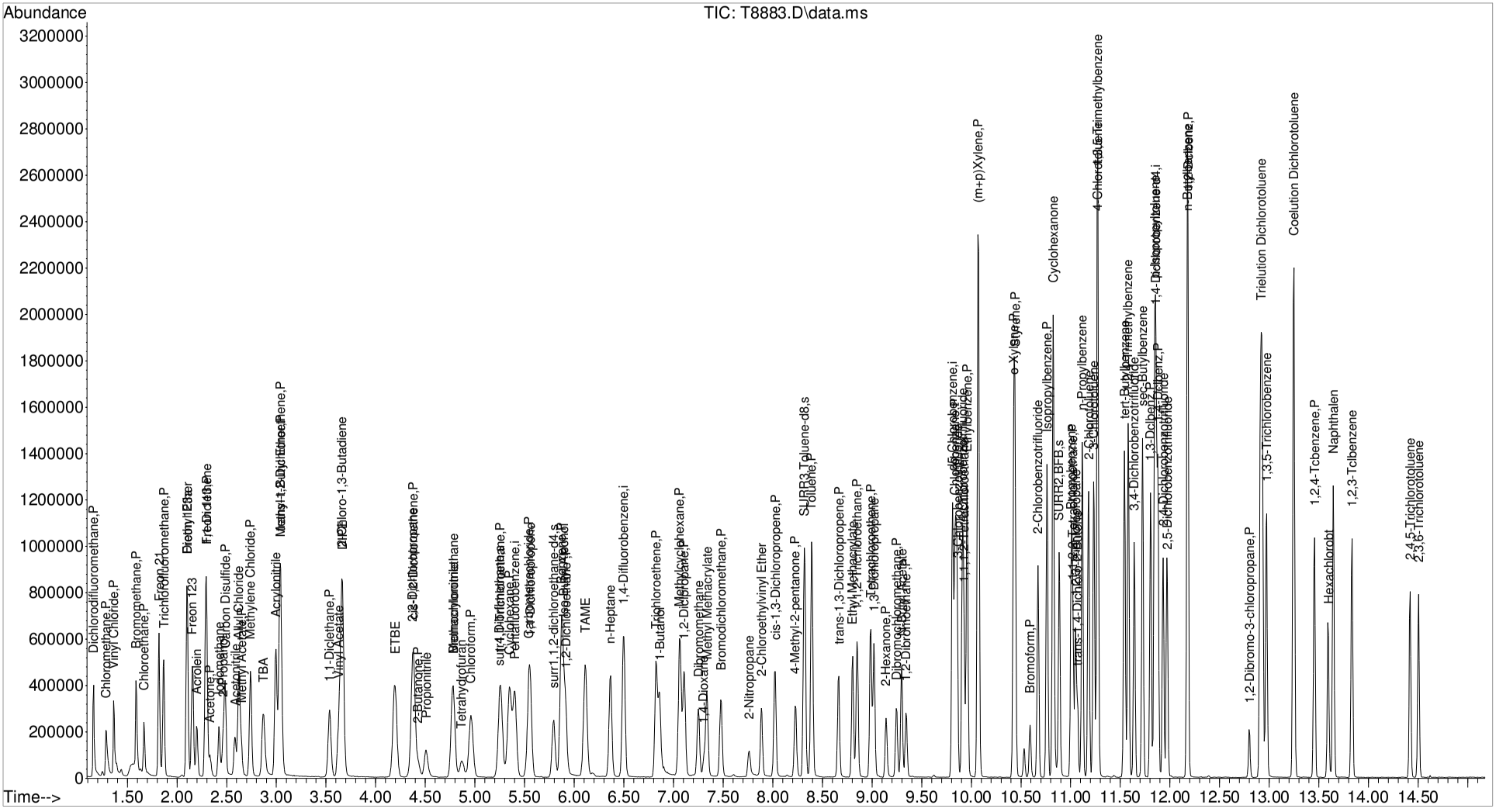
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	361589	50.85	ug/L	98
105) 1,4-Dclbenz	11.877	146	370186	47.18	ug/L	92
106) 2,4-Dichlorobenzotrifl...	11.932	214	157954	53.67	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.975	214	173223	51.52	ug/L	96
108) n-Butylbenzene	12.176	91	648178	55.13	ug/L	97
109) 1,2-Dclbenz	12.182	146	365840	51.10	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.804	157	34082	38.95	ug/L	95
111) Trielution Dichlorotol...	12.920	125	927016	167.97	ug/L	97
112) 1,3,5-Trichlorobenzene	12.975	180	258683	54.83	ug/L	99
113) Coelution Dichlorotoluene	13.249	125	679737	111.71	ug/L	99
114) 1,2,4-Tcbenzene	13.456	180	226641	52.45	ug/L	95
115) Hexachlorobt	13.597	225	83003	55.85	ug/L	97
116) Naphthalen	13.645	128	715986	53.61	ug/L	98
117) 1,2,3-Tclbenzene	13.834	180	220994	49.12	ug/L	98
118) 2,4,5-Trichlorotoluene	14.420	159	154526	57.94	ug/L	99
119) 2,3,6-Trichlorotoluene	14.505	159	137410	56.47	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8883.D
Acq On : 22 Sep 2021 10:46 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 11:03:11 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st 09/22/21
2nd 09/23/21

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	126	0.00
2	P	Dichlorodifluoromethane	50.000	61.031	-22.1#	172	0.00
3	P	Chloromethane	50.000	49.735	0.5	142	0.00
4	P	Vinyl Chloride	50.000	50.293	-0.6	139	0.00
5	P	Bromomethane	50.000	39.816	20.4#	130	0.00
6	P	Chloroethane	50.000	45.941	8.1	133	0.00
7		Freon 21	50.000	48.899	2.2	167	0.00
8	P	Trichlorofluoromethane	50.000	59.428	-18.9	194	0.00
9		Diethyl Ether	50.000	49.568	0.9	129	0.00
10		Freon 123a	50.000	54.089	-8.2	170	0.00
11		Freon 123	50.000	54.589	-9.2	172	0.00
12		Acrolein	250.000	316.876	-26.8#	167	0.00
13		1,1-Diclethene	50.000	53.704	-7.4	162	0.00
14	P	Freon 113	50.000	58.246	-16.5	179	0.00
15	P	Acetone	50.000	46.204	7.6	131	0.00
16		2-Propanol	1000.000	850.711	14.9	112	0.00
17		Iodomethane	50.000	62.094	-24.2#	172	0.00
18	P	Carbon Disulfide	50.000	64.439	-28.9#	190	0.00
19		Acetonitrile	250.000	236.272	5.5	108	0.00
20		Allyl Chloride	50.000	53.821	-7.6	144	0.00
21	P	Methyl Acetate	50.000	43.000	14.0	118	0.00
22	P	Methylene Chloride	50.000	51.348	-2.7	145	0.00
23		TBA	1000.000	805.889	19.4	105	0.00
24		Acrylonitrile	250.000	243.957	2.4	126	0.00
25	P	Methyl-t-Butyl Ether	50.000	51.045	-2.1	132	0.00
26	P	trans-1,2-Dichloroethene	50.000	53.572	-7.1	152	0.00
27	P	1,1-Diclethane	50.000	51.722	-3.4	139	0.00
28		Vinyl Acetate	50.000	53.730	-7.5	135	0.00
29		DIPE	50.000	49.585	0.8	129	0.00
30		2-Chloro-1,3-Butadiene	50.000	59.567	-19.1	175	0.00
31		ETBE	50.000	48.812	2.4	129	0.00
32		2,2-Dichloropropane	50.000	46.602	6.8	135	0.00
33	P	cis-1,2-Dichloroethene	50.000	51.455	-2.9	144	0.00
34	P	2-Butanone	50.000	50.565	-1.1	134	0.00
35		Propionitrile	250.000	240.031	4.0	127	0.00
36		Bromochloromethane	50.000	51.680	-3.4	139	0.00
37		Methacrylonitrile	50.000	49.323	1.4	123	0.00
38		Tetrahydrofuran	50.000	46.005	8.0	128	0.00
39	P	Chloroform	50.000	53.990	-8.0	143	0.00
40	P	1,1,1-Trichloroethane	50.000	49.368	1.3	141	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	132	0.00
42	P	Cyclohexane	50.000	46.773	6.5	153	-0.01
43	s	surr4,Dibrflmethane	50.000	54.612	-9.2	140	0.00
44	P	Carbontetrachloride	50.000	41.562	16.9	133	0.00
45		1,1-Dichloropropene	50.000	50.883	-1.8	159	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	52.340	-4.7	141	0.00
47	P	Benzene	50.000	51.550	-3.1	144	0.00
48	P	1,2-Dichloroethane	50.000	48.828	2.3	131	0.00
49		Iso-Butyl Alcohol	1000.000	737.467	26.3#	95	0.00
50		TAME	50.000	46.897	6.2	130	0.00
51		n-Heptane	50.000	53.883	-7.8	171	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.000	2055.473	17.8	99	0.00
53	P	Trichloroethene	50.000	52.661	-5.3	152	0.00
54	P	Methylcyclohexane	50.000	52.086	-4.2	171	0.00
55	P	1,2-Diclpropane	50.000	46.793	6.4	133	0.00
56		Dibromomethane	50.000	49.690	0.6	141	0.00
57		1,4-Dioxane	1000.000	1006.747	-0.7	132	0.00
58		Methyl Methacrylate	50.000	46.346	7.3	120	0.00
59	P	Bromodichloromethane	50.000	49.758	0.5	128	0.00
60		2-Nitropropane	100.000	53.090	46.9#	68	0.00
61		2-Chloroethylvinyl Ether	50.000	50.390	-0.8	130	0.00
62	P	cis-1,3-Dichloropropene	50.000	45.850	8.3	125	0.00
63	P	4-Methyl-2-pentanone	50.000	47.339	5.3	124	0.00
64	s	SURR3,Toluene-d8	50.000	52.919	-5.8	137	0.00
65	P	Toluene	50.000	51.974	-3.9	150	0.00
66	P	trans-1,3-Dichloropropene	50.000	45.469	9.1	116	0.00
67		Ethyl Methacrylate	50.000	48.943	2.1	124	0.00
68	P	1,1,2-Trichloroethane	50.000	51.282	-2.6	134	0.00
69	s	SURR2,BFB	50.000	54.275	-8.5	145	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	132	0.00
71	P	Tetrachloroethene	50.000	51.817	-3.6	162	0.00
72	P	2-Hexanone	50.000	48.252	3.5	122	0.00
73		1,3-Dichloropropane	50.000	49.555	0.9	130	0.00
74	P	Dibromochloromethane	50.000	45.721	8.6	119	0.00
75		N-Butyl Acetate	50.000	42.916	14.2	113	0.00
76	P	1,2-Dibromoethane	50.000	50.757	-1.5	127	0.00
77		3-Chlorobenzotrifluoride	50.000	51.740	-3.5	152	0.00
78	P	Chlorobenzene	50.000	50.438	-0.9	143	0.00
79		4-Chlorobenzotrifluoride	50.000	53.124	-6.2	160	0.00
80		1,1,1,2-Tetrachloroethane	50.000	44.797	10.4	120	0.00
81	P	Ethylbenzene	50.000	51.739	-3.5	148	0.00
82	P	(m+p)Xylene	100.000	110.114	-10.1	152	0.00
83	P	o-Xylene	50.000	53.579	-7.2	150	0.00
84	P	Styrene	50.000	52.133	-4.3	141	0.00
85	P	Bromoform	50.000	41.408	17.2	101	0.00
86		2-Chlorobenzotrifluoride	50.000	51.915	-3.8	150	0.00
87	P	Isopropylbenzene	50.000	54.117	-8.2	159	0.00
88		Cyclohexanone	1000.000	392.710	60.7#	50	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	43.266	13.5	111	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	140	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	46.874	6.3	131	0.00
92		Bromobenzene	50.000	49.519	1.0	141	0.00
93		1,2,3-Trichloropropane	50.000	46.166	7.7	133	0.00
94		n-Propylbenzene	50.000	52.332	-4.7	157	0.00
95		2-Chlorotoluene	50.000	50.032	-0.1	150	0.00
96		3-Chlorotoluene	50.000	52.628	-5.3	151	0.00
97		4-Chlorotoluene	50.000	50.804	-1.6	149	0.00
98		1,3,5-Trimethylbenzene	50.000	52.552	-5.1	153	0.00
99		tert-Butylbenzene	50.000	51.078	-2.2	162	0.00
100		1,2,4-Trimethylbenzene	50.000	52.577	-5.2	152	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	48.845	2.3	157	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.000	53.727	-7.5	164	0.00
103		p-Isopropyltoluene	50.000	56.107	-12.2	164	0.00
104	P	1,3-Dclbenz	50.000	51.621	-3.2	147	0.00
105	P	1,4-Dclbenz	50.000	49.127	1.7	147	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	50.477	-1.0	152	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	49.646	0.7	147	0.00
108		n-Butylbenzene	50.000	55.782	-11.6	163	0.00
109	P	1,2-Dclbenz	50.000	50.303	-0.6	137	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	42.424	15.2	109	0.00
111		Trielution Dichlorotoluene	150.000	166.292	-10.9	152	0.00
112		1,3,5-Trichlorobenzene	50.000	52.879	-5.8	151	0.00
113		Coelution Dichlorotoluene	100.000	109.973	-10.0	149	0.00
114	P	1,2,4-Tcbenzene	50.000	52.205	-4.4	137	0.00
115		Hexachlorobt	50.000	57.345	-14.7	164	0.00
116		Naphthalen	50.000	53.999	-8.0	131	0.00
117		1,2,3-Tclbenzene	50.000	50.396	-0.8	141	0.00
118		2,4,5-Trichlorotoluene	50.000	57.691	-15.4	150	0.00
119		2,3,6-Trichlorotoluene	50.000	57.058	-14.1	151	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	325327	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	532208	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	498205	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	286494	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	162269	54.61	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 109.22%			
46) surr1,1,2-dichloroetha...	5.793	65	201731	52.34	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.68%			
64) SURR3,Toluene-d8	8.317	98	635374	52.92	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 105.84%			
69) SURR2,BFB	10.884	95	241857	54.27	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 108.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	213993	61.03	ug/L	97
3) Chloromethane	1.288	50	192182	49.74	ug/L	95
4) Vinyl Chloride	1.361	62	208076	50.29	ug/L	100
5) Bromomethane	1.593	94	203508	39.82	ug/L	95
6) Chloroethane	1.672	64	127150	45.94	ug/L	93
7) Freon 21	1.818	67	364489	48.90	ug/L	99
8) Trichlorofluoromethane	1.867	101	285453	59.43	ug/L	98
9) Diethyl Ether	2.099	59	137902	49.57	ug/L	98
10) Freon 123a	2.105	67	193169	54.09	ug/L	97
11) Freon 123	2.154	83	216911	54.59	ug/L	96
12) Acrolein	2.202	56	214413	316.88	ug/L	99
13) 1,1-Diclethene	2.294	96	142958	53.70	ug/L	99
14) Freon 113	2.300	101	147451	58.25	ug/L	99
15) Acetone	2.336	43	69602	46.20	ug/L	94
16) 2-Propanol	2.465	45	272282	850.71	ug/L	99
17) Iodomethane	2.422	142	228836	62.09	ug/L	91
18) Carbon Disulfide	2.483	76	396215	64.44	ug/L	100
19) Acetonitrile	2.586	41	133688	236.27	ug/L	97
20) Allyl Chloride	2.623	76	82576	53.82	ug/L	92
21) Methyl Acetate	2.647	43	156754	43.00	ug/L	99
22) Methylene Chloride	2.739	84	169037	51.35	ug/L	95
23) TBA	2.867	59	407194	805.89	ug/L	96
24) Acrylonitrile	2.995	53	385855	243.96	ug/L	92
25) Methyl-t-Butyl Ether	3.044	73	531986	51.05	ug/L	95
26) trans-1,2-Dichloroethene	3.038	96	157287	53.57	ug/L	97
27) 1,1-Diclethane	3.537	63	278306	51.72	ug/L	96
28) Vinyl Acetate	3.623	86	33977	53.73	ug/L #	77
29) DIPE	3.659	45	494312	49.58	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.659	53	246233	59.57	ug/L	99
31) ETBE	4.190	59	455515	48.81	ug/L	97
32) 2,2-Dichloropropane	4.373	77	193963	46.60	ug/L	98
33) cis-1,2-Dichloroethene	4.379	96	172482	51.45	ug/L	91
34) 2-Butanone	4.428	43	110845	50.57	ug/L	98
35) Propionitrile	4.513	54	156418	240.03	ug/L	99
36) Bromochloromethane	4.781	130	111932	51.68	ug/L	90
37) Methacrylonitrile	4.775	67	81024	49.32	ug/L	85
38) Tetrahydrofuran	4.873	42	62747	46.01	ug/L	98
39) Chloroform	4.964	83	293242	53.99	ug/L	97
40) 1,1,1-Trichloroethane	5.263	97	211713	49.37	ug/L	92

1st FNJ 09/23/21
2nd WR 09/24/21

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.348	41	149708	46.77	ug/L	99
44) Carbontetrachloride	5.543	117	155033	41.56	ug/L	97
45) 1,1-Dichloropropene	5.555	75	202365	50.88	ug/L	99
47) Benzene	5.872	78	644451	51.55	ug/L	94
48) 1,2-Dichloroethane	5.915	62	237007	48.83	ug/L	97
49) Iso-Butyl Alcohol	5.891	43	158931	737.47	ug/L	89
50) TAME	6.110	73	454218	46.90	ug/L	98
51) n-Heptane	6.366	43	191614	53.88	ug/L	94
52) 1-Butanol	6.860	56	239520	2055.47	ug/L	92
53) Trichloroethene	6.823	130	162944	52.66	ug/L	98
54) Methylcyclohexane	7.061	55	191398	52.09	ug/L	96
55) 1,2-Diclpropane	7.110	63	161420	46.79	ug/L	100
56) Dibromomethane	7.244	93	112358	49.69	ug/L	88
57) 1,4-Dioxane	7.305	88	60685	1006.75	ug/L	90
58) Methyl Methacrylate	7.335	69	130376	46.35	ug/L	94
59) Bromodichloromethane	7.476	83	201479	49.76	ug/L	97
60) 2-Nitropropane	7.762	41	54161	53.09	ug/L	94
61) 2-Chloroethylvinyl Ether	7.884	63	113969	50.39	ug/L	99
62) cis-1,3-Dichloropropene	8.024	75	229421	45.85	ug/L	96
63) 4-Methyl-2-pentanone	8.226	43	202798	47.34	ug/L	98
65) Toluene	8.390	91	699491	51.97	ug/L	100
66) trans-1,3-Dichloropropene	8.658	75	205010	45.47	ug/L	99
67) Ethyl Methacrylate	8.805	69	233115	48.94	ug/L	91
68) 1,1,2-Trichloroethane	8.847	97	158252	51.28	ug/L	98
71) Tetrachloroethene	8.988	164	117329	51.82	ug/L	96
72) 2-Hexanone	9.140	43	149409	48.25	ug/L	93
73) 1,3-Dichloropropane	9.018	76	264919	49.56	ug/L	99
74) Dibromochloromethane	9.244	129	135054	45.72	ug/L	97
75) N-Butyl Acetate	9.299	43	280876	42.92	ug/L	97
76) 1,2-Dibromoethane	9.341	107	159622	50.76	ug/L	99
77) 3-Chlorobenzotrifluoride	9.853	180	215119	51.74	ug/L	91
78) Chlorobenzene	9.835	112	430741	50.44	ug/L	99
79) 4-Chlorobenzotrifluoride	9.908	180	197964	53.12	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.926	131	129225	44.80	ug/L	89
81) Ethylbenzene	9.957	106	233661	51.74	ug/L	95
82) (m+p)Xylene	10.067	106	591609	110.11	ug/L	98
83) o-Xylene	10.426	106	292593	53.58	ug/L	92
84) Styrene	10.439	104	501895	52.13	ug/L	98
85) Bromoform	10.591	173	79868	41.41	ug/L	81
86) 2-Chlorobenzotrifluoride	10.670	180	215079	51.92	ug/L	97
87) Isopropylbenzene	10.762	105	698040	54.12	ug/L	98
88) Cyclohexanone	10.823	55	252486	392.71	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.073	53	46752	43.27	ug/L	96
91) 1,1,2,2-Tetrachloroethane	11.018	83	234493	46.87	ug/L	100
92) Bromobenzene	11.006	156	193302	49.52	ug/L	99
93) 1,2,3-Trichloropropane	11.048	110	73089	46.17	ug/L	98
94) n-Propylbenzene	11.115	91	910862	52.33	ug/L	99
95) 2-Chlorotoluene	11.182	91	547530	50.03	ug/L	98
96) 3-Chlorotoluene	11.231	91	569979	52.63	ug/L	98
97) 4-Chlorotoluene	11.274	91	617604	50.80	ug/L	99
98) 1,3,5-Trimethylbenzene	11.268	105	668220	52.55	ug/L	98
99) tert-Butylbenzene	11.542	119	543548	51.08	ug/L	97
100) 1,2,4-Trimethylbenzene	11.579	105	667321	52.58	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.646	214	170021	48.85	ug/L	89
102) sec-Butylbenzene	11.725	105	814300	53.73	ug/L	99
103) p-Isopropyltoluene	11.847	119	722192	56.11	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

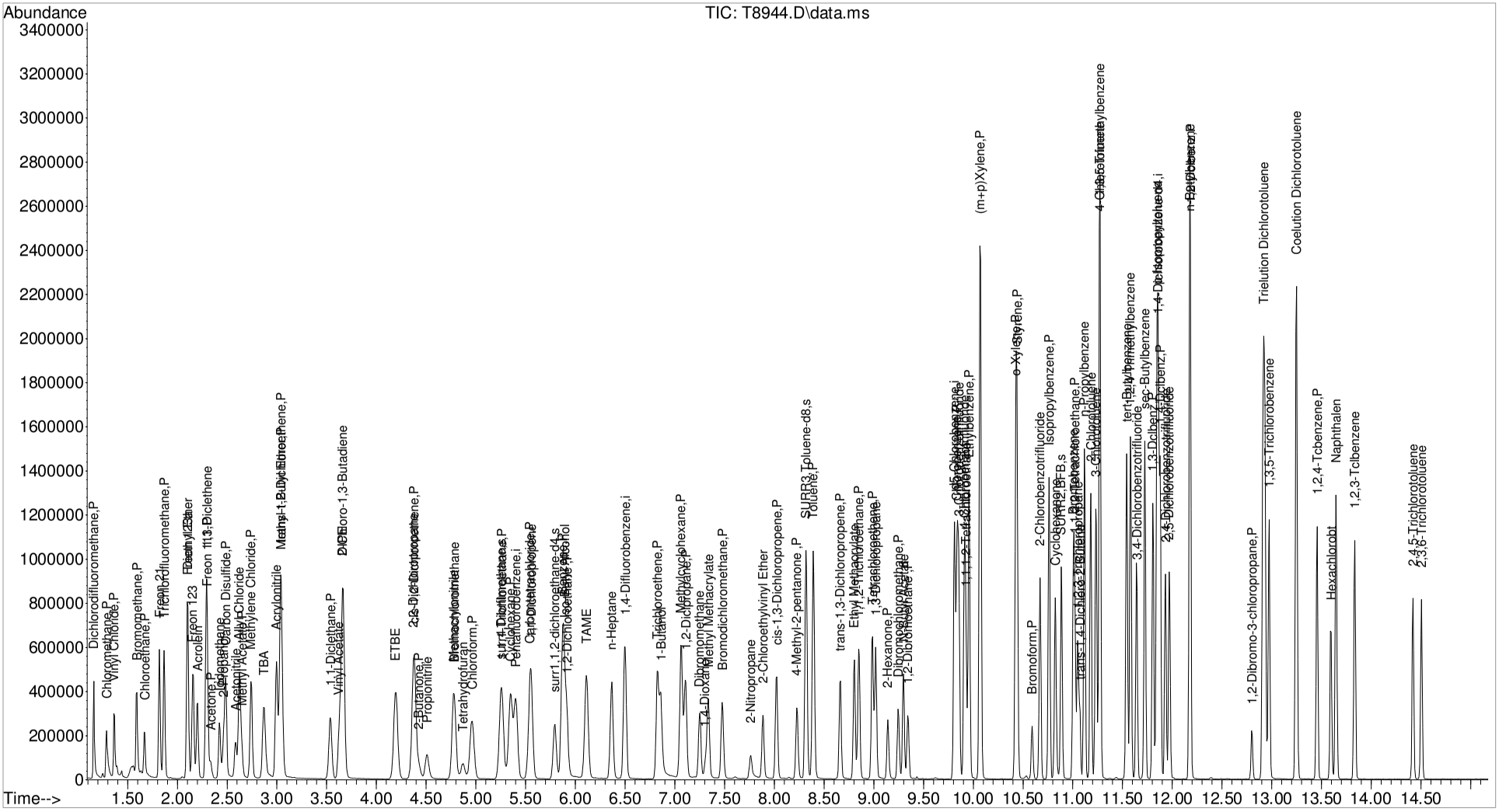
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	383589	51.62	ug/L	97
105) 1,4-Dclbenz	11.877	146	402852	49.13	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	155257	50.48	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.969	214	174449	49.65	ug/L	97
108) n-Butylbenzene	12.176	91	685338	55.78	ug/L	98
109) 1,2-Dclbenz	12.182	146	376344	50.30	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.804	157	38792	42.42	ug/L	90
111) Trielution Dichlorotol...	12.920	125	959111	166.29	ug/L	98
112) 1,3,5-Trichlorobenzene	12.975	180	260717	52.88	ug/L	95
113) Coelution Dichlorotoluene	13.249	125	699328	109.97	ug/L	98
114) 1,2,4-Tcbenzene	13.456	180	235755	52.20	ug/L	90
115) Hexachlorobt	13.596	225	89141	57.34	ug/L	97
116) Naphthalen	13.645	128	753625	54.00	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	236930	50.40	ug/L	100
118) 2,4,5-Trichlorotoluene	14.419	159	160785	57.69	ug/L	94
119) 2,3,6-Trichlorotoluene	14.505	159	145084	57.06	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8944.D
Acq On : 23 Sep 2021 11:24 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 11:39:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



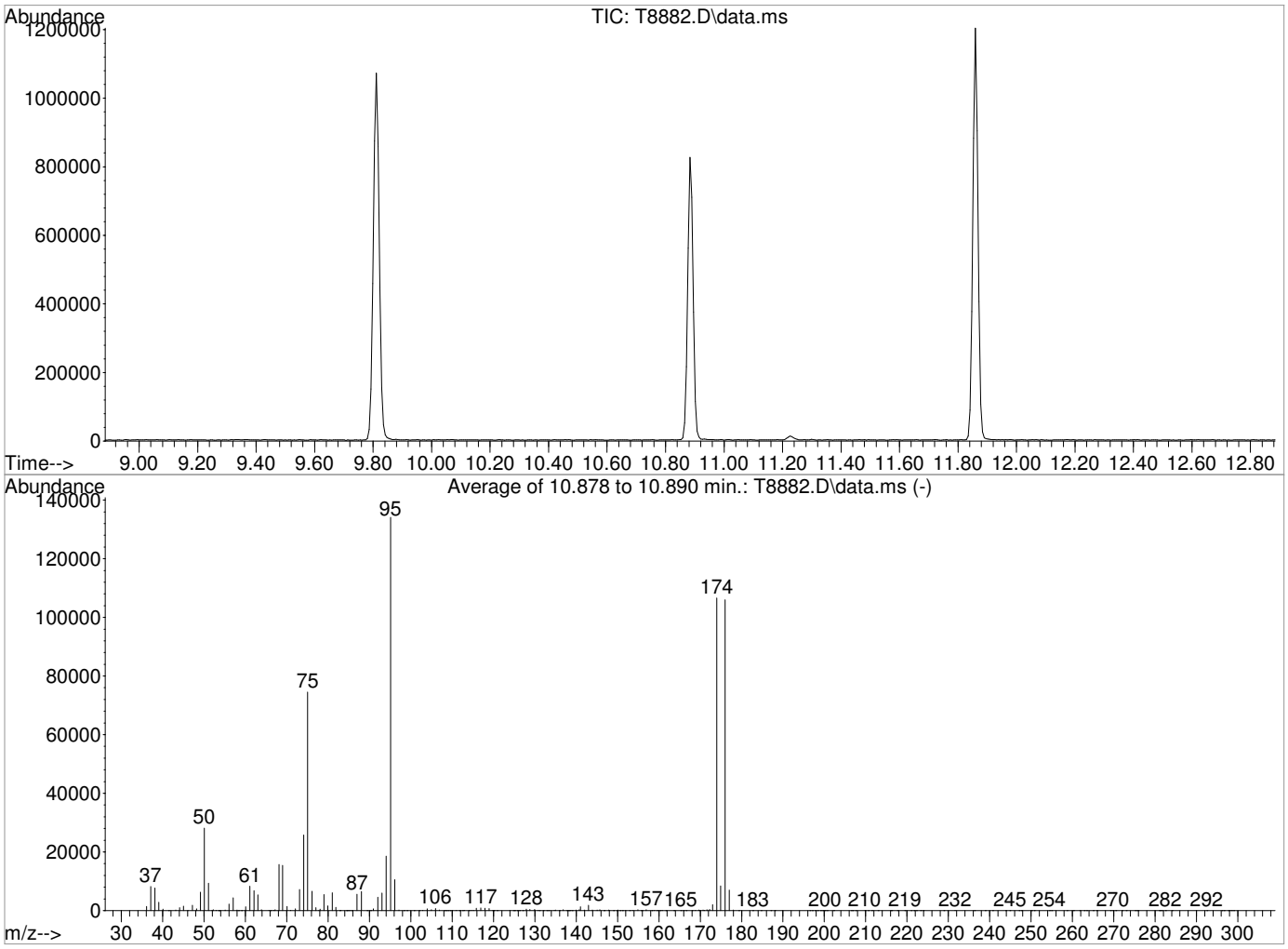
1st FJ 09/23/21
2nd 09/24/21

1st FJ 09/22/21
2nd 09/23/21

Data Path : I:\ACQUDATA\msvoa10\data\092221\
Data File : T8882.D
Acq On : 22 Sep 2021 10:14 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Sep 08 09:35:19 2021



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

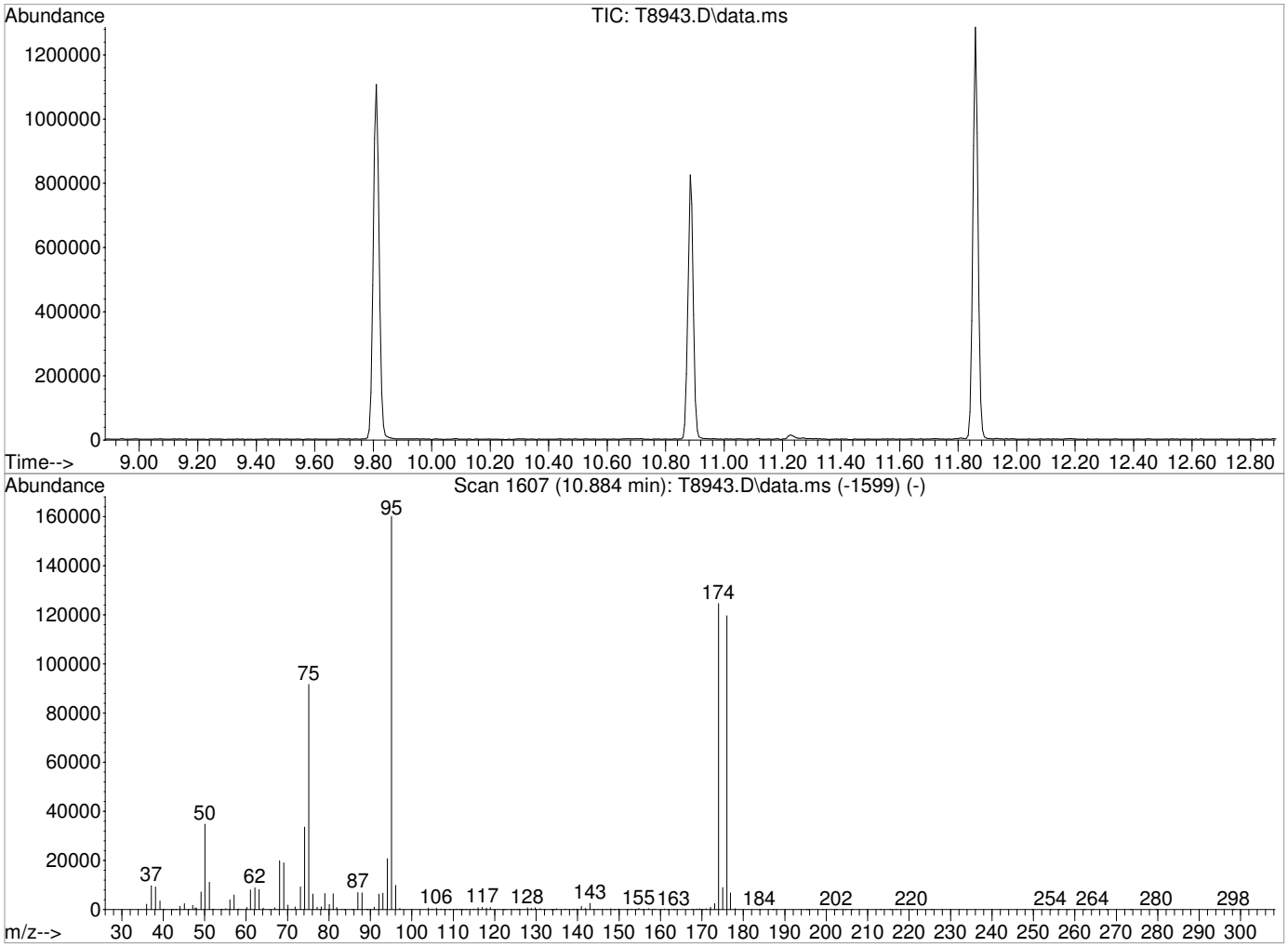
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	28181	PASS
75	95	30	60	55.6	74552	PASS
95	95	100	100	100.0	134120	PASS
96	95	5	9	7.9	10599	PASS
173	174	0.00	2	1.9	1991	PASS
174	95	50	120	79.5	106614	PASS
175	174	5	9	7.9	8466	PASS
176	174	95	101	99.5	106043	PASS
177	176	5	9	6.6	7004	PASS

1st FJ 09/23/21
2nd 09/24/21

Data Path : I:\ACQUDATA\msvoa10\data\092321\
Data File : T8943.D
Acq On : 23 Sep 2021 10:51 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Sep 08 09:35:19 2021



Spectrum Information: Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	34757	PASS
75	95	30	60	57.3	91704	PASS
95	95	100	100	100.0	160128	PASS
96	95	5	9	6.1	9782	PASS
173	174	0.00	2	2.0	2487	PASS
174	95	50	120	77.9	124664	PASS
175	174	5	9	7.2	9031	PASS
176	174	95	101	96.0	119696	PASS
177	176	5	9	5.7	6818	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	258332	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	395691	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	363617	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	208751	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	113513	51.38	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.76%				
46) surr1,1,2-dichloroetha...	5.793	65	145335	50.72	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.44%				
64) SURR3,Toluene-d8	8.317	98	457003	51.19	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.38%				
69) SURR2,BFB	10.884	95	170299	51.40	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	111549	40.06	ug/L		100
3) Chloromethane	1.288	50	170334	55.51	ug/L		96
4) Vinyl Chloride	1.361	62	163822	49.87	ug/L		100
5) Bromomethane	1.587	94	148855	36.68	ug/L		97
6) Chloroethane	1.666	64	105009	47.78	ug/L		96
7) Freon 21	1.818	67	263956	44.60	ug/L		97
8) Trichlorofluoromethane	1.867	101	148872	39.03	ug/L		99
9) Diethyl Ether	2.099	59	103886	47.03	ug/L		95
10) Freon 123a	2.105	67	136239	48.04	ug/L		88
11) Freon 123	2.154	83	148636	47.11	ug/L		96
12) Acrolein	2.196	56	57141	106.35	ug/L		95
13) 1,1-Diclethene	2.294	96	87534	41.41	ug/L		99
14) Freon 113	2.294	101	82326	40.95	ug/L		97
15) Acetone	2.337	43	54071	45.20	ug/L		88
16) 2-Propanol	2.465	45	256879	1010.73	ug/L		97
17) Iodomethane	2.422	142	126202	43.13	ug/L		95
18) Carbon Disulfide	2.483	76	265533	54.39	ug/L		99
19) Acetonitrile	2.587	41	111999	249.27	ug/L		98
20) Allyl Chloride	2.623	76	52316	42.94	ug/L		94
21) Methyl Acetate	2.648	43	161767	55.88	ug/L		98
22) Methylene Chloride	2.739	84	114681	43.87	ug/L		95
23) TBA	2.873	59	416985	1039.29	ug/L		98
24) Acrylonitrile	2.995	53	311355	247.91	ug/L		99
25) Methyl-t-Butyl Ether	3.044	73	389159	47.02	ug/L		98
26) trans-1,2-Dichloroethene	3.038	96	100860	43.26	ug/L		97
27) 1,1-Diclethane	3.538	63	194679	45.56	ug/L		96
28) Vinyl Acetate	3.635	86	14847	29.57	ug/L	#	72
29) DIPE	3.666	45	400821	50.63	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.666	53	164839	50.22	ug/L		100
31) ETBE	4.196	59	341972	46.15	ug/L		99
32) 2,2-Dichloropropane	4.373	77	150838	45.64	ug/L		96
33) cis-1,2-Dichloroethene	4.385	96	120266	45.18	ug/L		100
34) 2-Butanone	4.422	43	87531	50.29	ug/L		94
35) Propionitrile	4.507	54	128902	249.11	ug/L		99
36) Bromochloromethane	4.781	130	76840	44.68	ug/L		98
37) Methacrylonitrile	4.781	67	66333	50.85	ug/L		86
38) Tetrahydrofuran	4.873	42	54232	50.07	ug/L		95
39) Chloroform	4.964	83	194476	45.25	ug/L		98
40) 1,1,1-Trichloroethane	5.263	97	148453	43.59	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Cyclohexane	5.354	41	115385	48.49 ug/L	91
44) Carbontetrachloride	5.543	117	112502	40.57 ug/L	97
45) 1,1-Dichloropropene	5.556	75	127797	43.22 ug/L	94
47) Benzene	5.873	78	427532	46.00 ug/L	96
48) 1,2-Dichloroethane	5.915	62	174269	48.29 ug/L	97
49) Iso-Butyl Alcohol	5.891	43	175348	1094.36 ug/L	93
50) TAME	6.110	73	368059	51.11 ug/L	99
51) n-Heptane	6.366	43	110040	41.62 ug/L	96
52) 1-Butanol	6.860	56	254438	2795.09 ug/L	97
53) Trichloroethene	6.824	130	103723	45.09 ug/L	99
54) Methylcyclohexane	7.067	55	136418	49.93 ug/L	100
55) 1,2-Diclpropane	7.110	63	117388	45.77 ug/L	97
56) Dibromomethane	7.250	93	82247	48.92 ug/L	94
57) 1,4-Dioxane	7.311	88	47874	1068.23 ug/L	85
58) Methyl Methacrylate	7.336	69	110349	52.76 ug/L	96
59) Bromodichloromethane	7.476	83	151702	50.39 ug/L	95
60) 2-Nitropropane	7.762	41	83823	110.51 ug/L	88
61) 2-Chloroethylvinyl Ether	7.884	63	88268	52.49 ug/L	95
62) cis-1,3-Dichloropropene	8.025	75	184041	49.47 ug/L	95
63) 4-Methyl-2-pentanone	8.226	43	171646	53.89 ug/L	99
65) Toluene	8.396	91	462957	46.27 ug/L	97
66) trans-1,3-Dichloropropene	8.665	75	171544	51.17 ug/L	98
67) Ethyl Methacrylate	8.805	69	167723	47.36 ug/L	98
68) 1,1,2-Trichloroethane	8.848	97	117564	51.24 ug/L	96
71) Tetrachloroethene	8.988	164	73635	44.56 ug/L	90
72) 2-Hexanone	9.140	43	125381	55.48 ug/L	98
73) 1,3-Dichloropropane	9.018	76	192071	49.23 ug/L	97
74) Dibromochloromethane	9.244	129	110726	51.36 ug/L	97
75) N-Butyl Acetate	9.299	43	254815	53.34 ug/L	98
76) 1,2-Dibromoethane	9.341	107	120655	52.57 ug/L	96
77) 3-Chlorobenzotrifluoride	9.853	180	134593	44.35 ug/L	89
78) Chlorobenzene	9.835	112	293554	47.10 ug/L	98
79) 4-Chlorobenzotrifluoride	9.908	180	125141	46.01 ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.927	131	104955	49.85 ug/L	90
81) Ethylbenzene	9.957	106	152781	46.35 ug/L	99
82) (m+p)Xylene	10.073	106	388220	99.00 ug/L	93
83) o-Xylene	10.427	106	198269	49.74 ug/L	91
84) Styrene	10.439	104	343916	49.11 ug/L	98
85) Bromoform	10.591	173	75579	52.25 ug/L	99
86) 2-Chlorobenzotrifluoride	10.670	180	140943	46.61 ug/L	99
87) Isopropylbenzene	10.762	105	456755	48.52 ug/L	98
88) Cyclohexanone	10.823	55	556537	1186.02 ug/L	96
89) trans-1,4-Dichloro-2-B...	11.067	53	42243	52.60 ug/L	94
91) 1,1,2,2-Tetrachloroethane	11.018	83	193126	52.98 ug/L	97
92) Bromobenzene	11.006	156	134554	47.31 ug/L	100
93) 1,2,3-Trichloropropane	11.048	110	53959	46.78 ug/L	95
94) n-Propylbenzene	11.115	91	590195	46.54 ug/L	99
95) 2-Chlorotoluene	11.182	91	353994	44.39 ug/L	98
96) 3-Chlorotoluene	11.231	91	387729	49.13 ug/L	99
97) 4-Chlorotoluene	11.274	91	424376	47.91 ug/L	99
98) 1,3,5-Trimethylbenzene	11.268	105	440574	47.55 ug/L	98
99) tert-Butylbenzene	11.542	119	350789	45.24 ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	440860	47.67 ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.640	214	112304	44.28 ug/L	92
102) sec-Butylbenzene	11.725	105	519240	47.02 ug/L	98
103) p-Isopropyltoluene	11.847	119	445921	47.55 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

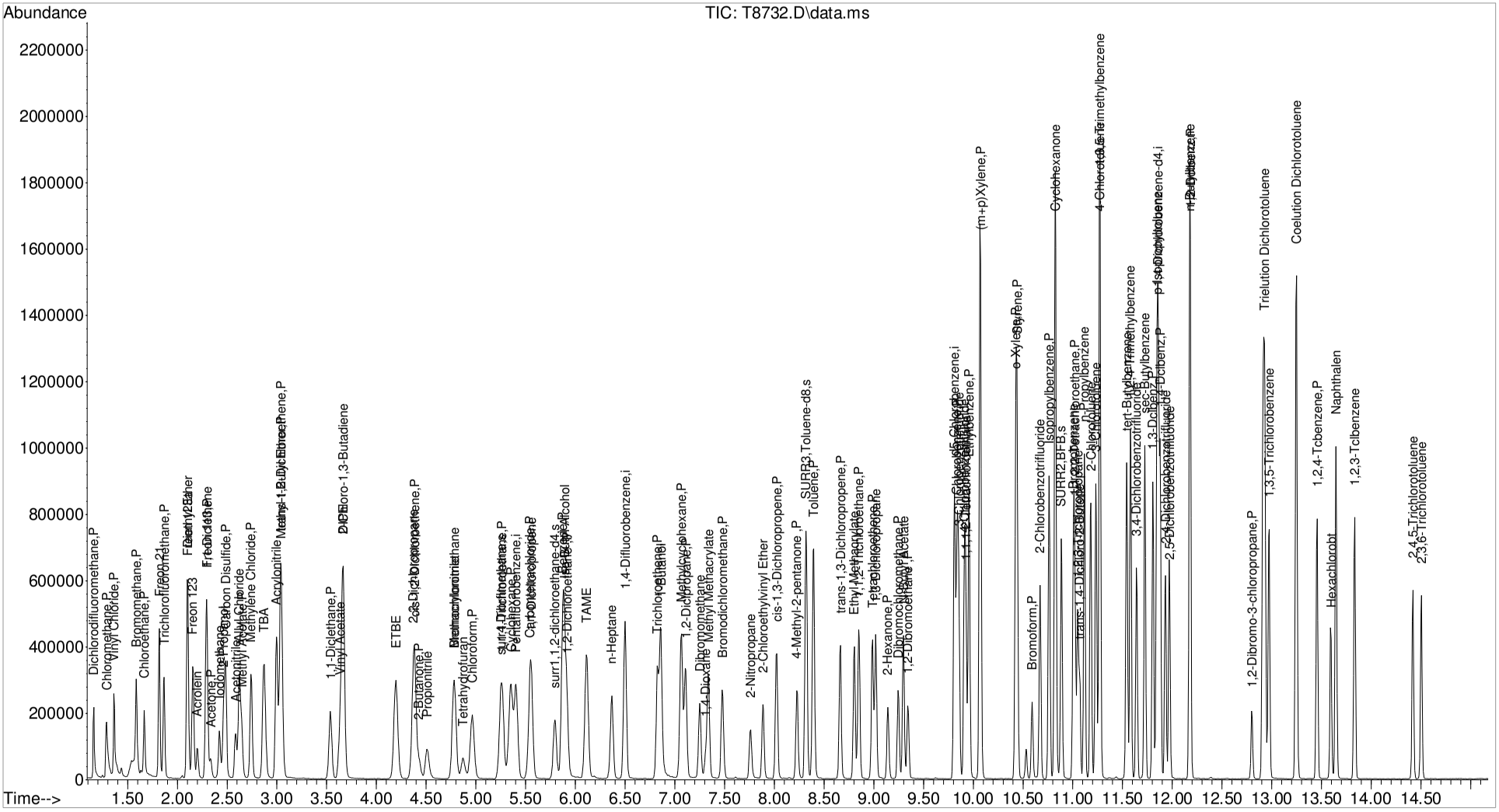
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	260603	48.13	ug/L	98
105) 1,4-Dclbenz	11.877	146	268638	44.96	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	103507	46.18	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.975	214	119467	46.66	ug/L	97
108) n-Butylbenzene	12.176	91	417126	46.60	ug/L	99
109) 1,2-Dclbenz	12.182	146	269263	49.39	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.804	157	36215	54.36	ug/L	93
111) Trielution Dichlorotol...	12.926	125	623646	148.40	ug/L	95
112) 1,3,5-Trichlorobenzene	12.975	180	167908	46.74	ug/L	97
113) Coelution Dichlorotoluene	13.249	125	454475	98.08	ug/L	99
114) 1,2,4-Tcbenzene	13.456	180	168257	51.13	ug/L	95
115) Hexachlorobt	13.597	225	58803	52.08	ug/L	95
116) Naphthalen	13.645	128	555711	54.65	ug/L	98
117) 1,2,3-Tclbenzene	13.834	180	163826	47.82	ug/L	92
118) 2,4,5-Trichlorotoluene	14.420	159	108904	53.63	ug/L	100
119) 2,3,6-Trichlorotoluene	14.505	159	95341	51.46	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



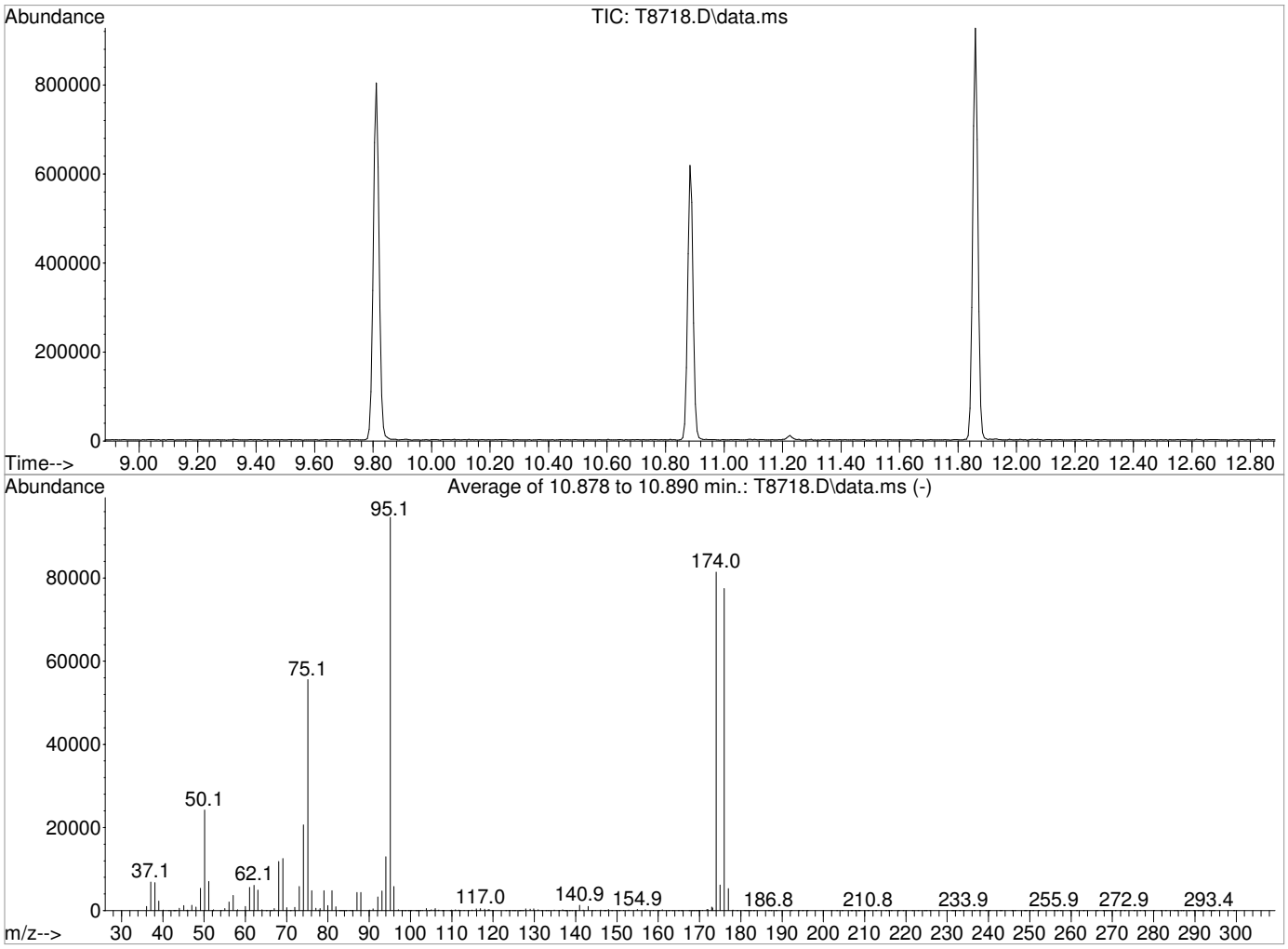
1st FJ 09/08/21
2nd 09/08/21

1st FW 09/08/21
2nd WR 09/08/21

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8718.D
Acq On : 2 Sep 2021 10:04 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 02 10:23:40 2021



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	24211	PASS
75	95	30	60	58.7	55552	PASS
95	95	100	100	100.0	94624	PASS
96	95	5	9	6.1	5772	PASS
173	174	0.00	2	1.1	884	PASS
174	95	50	120	86.1	81432	PASS
175	174	5	9	7.5	6140	PASS
176	174	95	101	95.2	77528	PASS
177	176	5	9	6.8	5300	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8719.D
Acq On : 2 Sep 2021 10:45 am
Operator : F.NAEGLER
Sample : ICALBLK Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 08 10:39:34 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

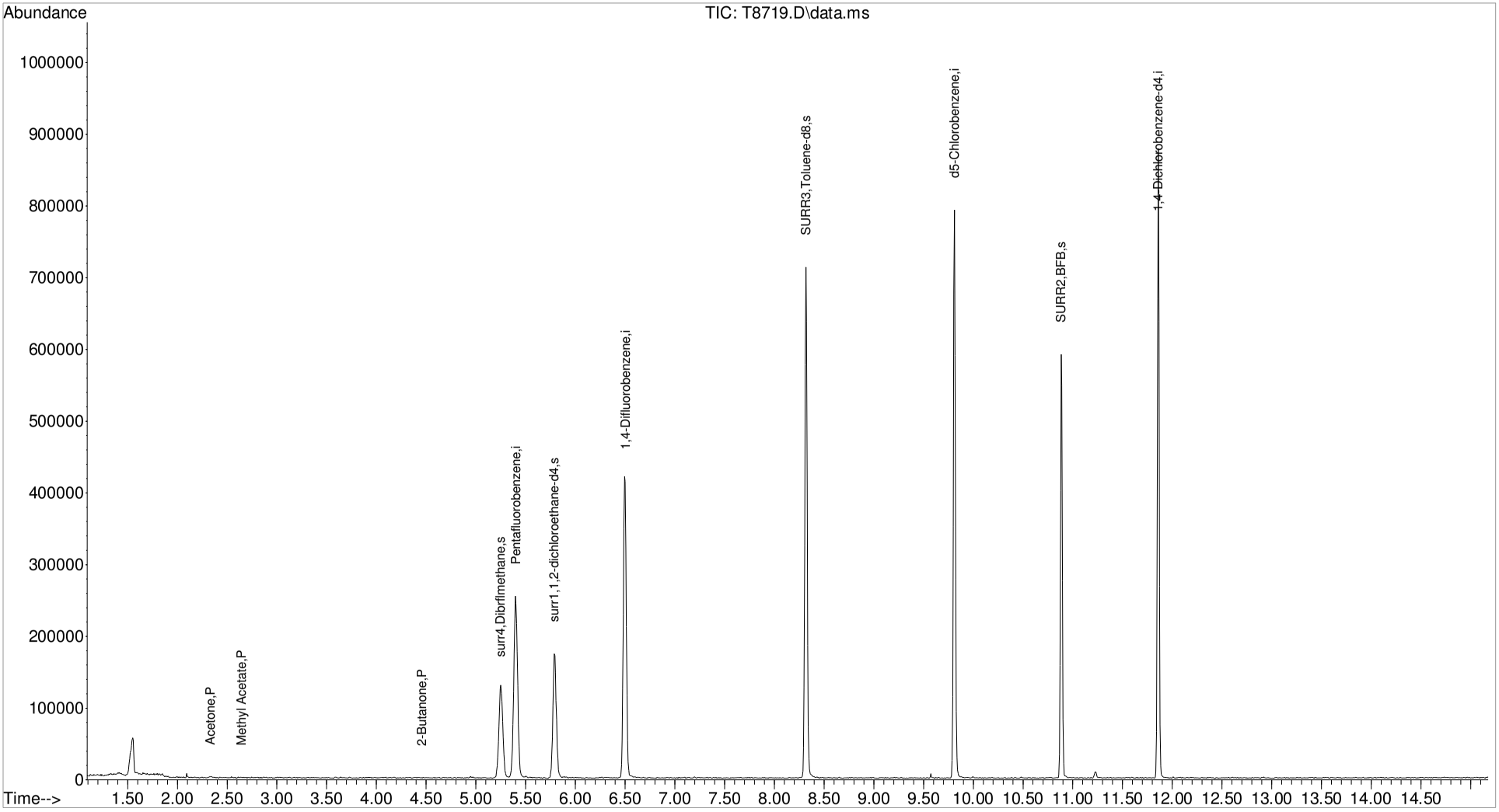
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	232470	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	362610	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	336276	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	159833	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	105266	52.00	ug/L	-0.01
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.00%			
46) surr1,1,2-dichloroetha...	5.787	65	135904	51.75	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.50%			
64) SURR3,Toluene-d8	8.317	98	423169	51.73	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.46%			
69) SURR2,BFB	10.884	95	140888	46.40	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.80%			
Target Compounds						Qvalue
15) Acetone	2.331	43	1387	1.29	ug/L	69
21) Methyl Acetate	2.641	43	547	0.21	ug/L #	57
34) 2-Butanone	4.452	43	921	0.59	ug/L #	58

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

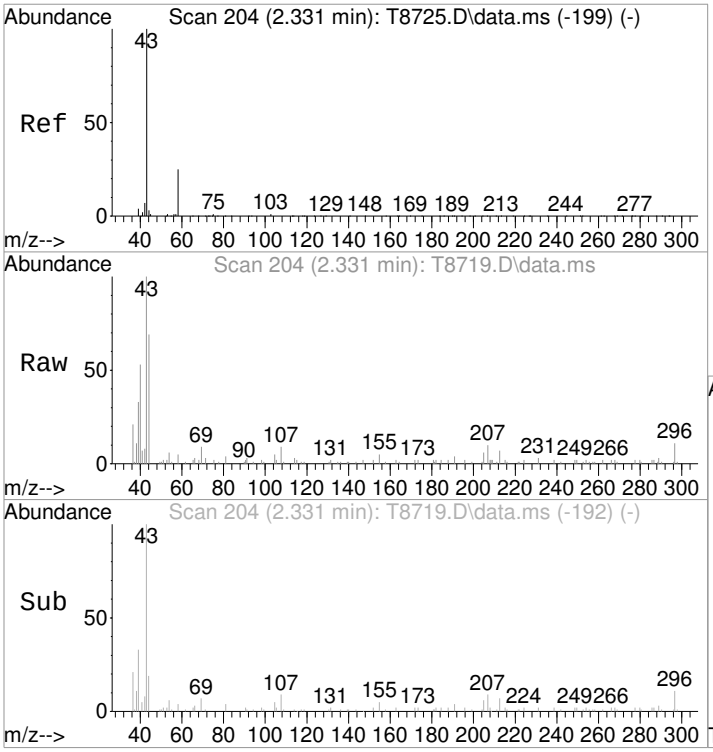
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8719.D
Acq On : 2 Sep 2021 10:45 am
Operator : F.NAEGLER
Sample : ICALBLK Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 08 10:39:34 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



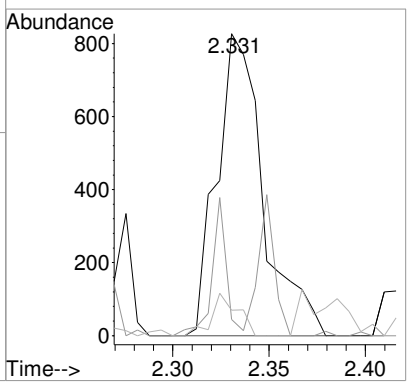
1st FJ 09/08/21
2nd 09/08/21

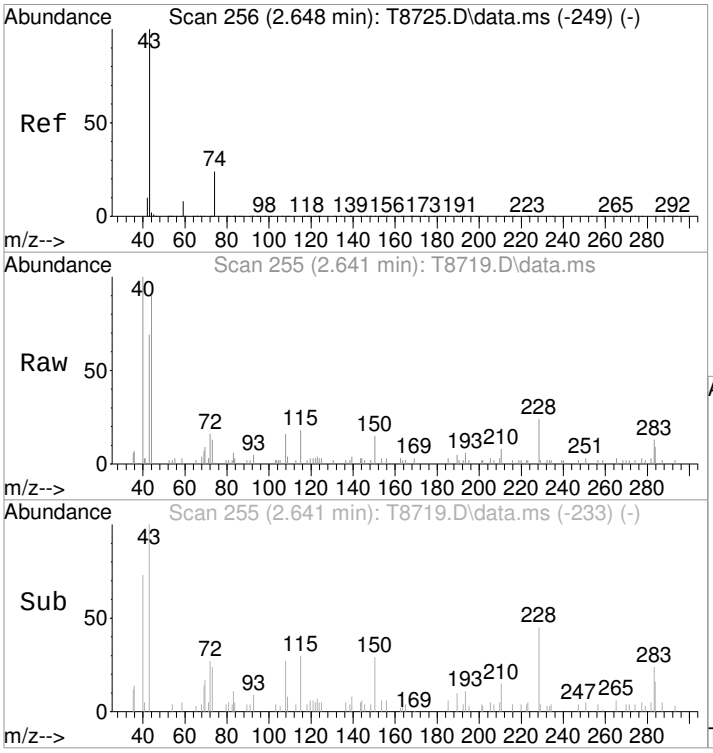


#15
Acetone
Concen: 1.29 ug/L
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: T8719.D
Acq: 2 Sep 2021 10:45 am

Tgt Ion: 43 Resp: 1387

Ion	Ratio	Lower	Upper
43	100		
58	5.3	4.9	44.9
42	8.5	0.0	27.1

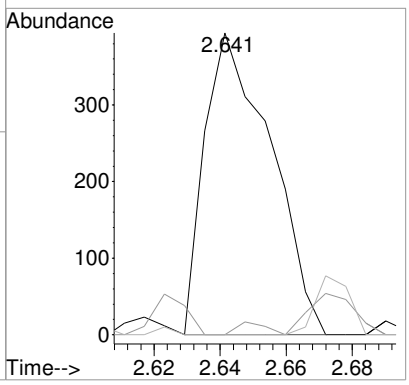


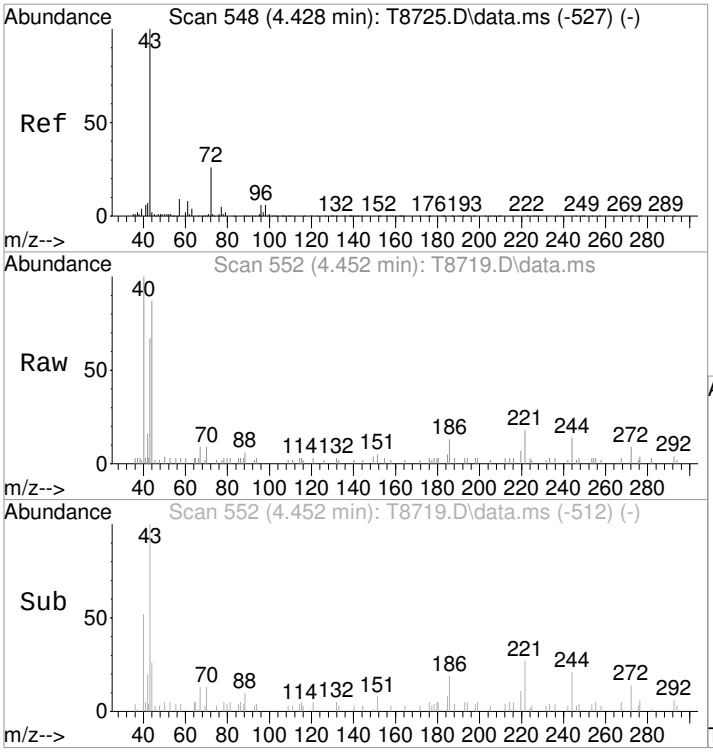


#21
Methyl Acetate
Concen: 0.21 ug/L
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T8719.D
Acq: 2 Sep 2021 10:45 am

Tgt Ion: 43 Resp: 547

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	0.0	4.4	44.4#

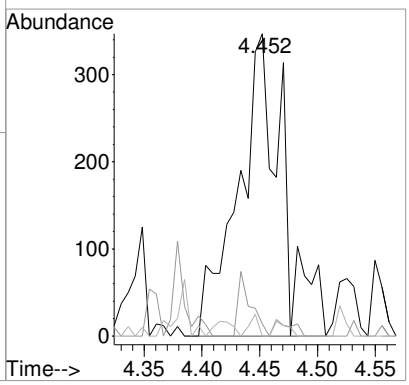




#34
2-Butanone
Concen: 0.59 ug/L
RT: 4.452 min Scan# 552
Delta R.T. 0.024 min
Lab File: T8719.D
Acq: 2 Sep 2021 10:45 am

Tgt Ion: 43 Resp: 921

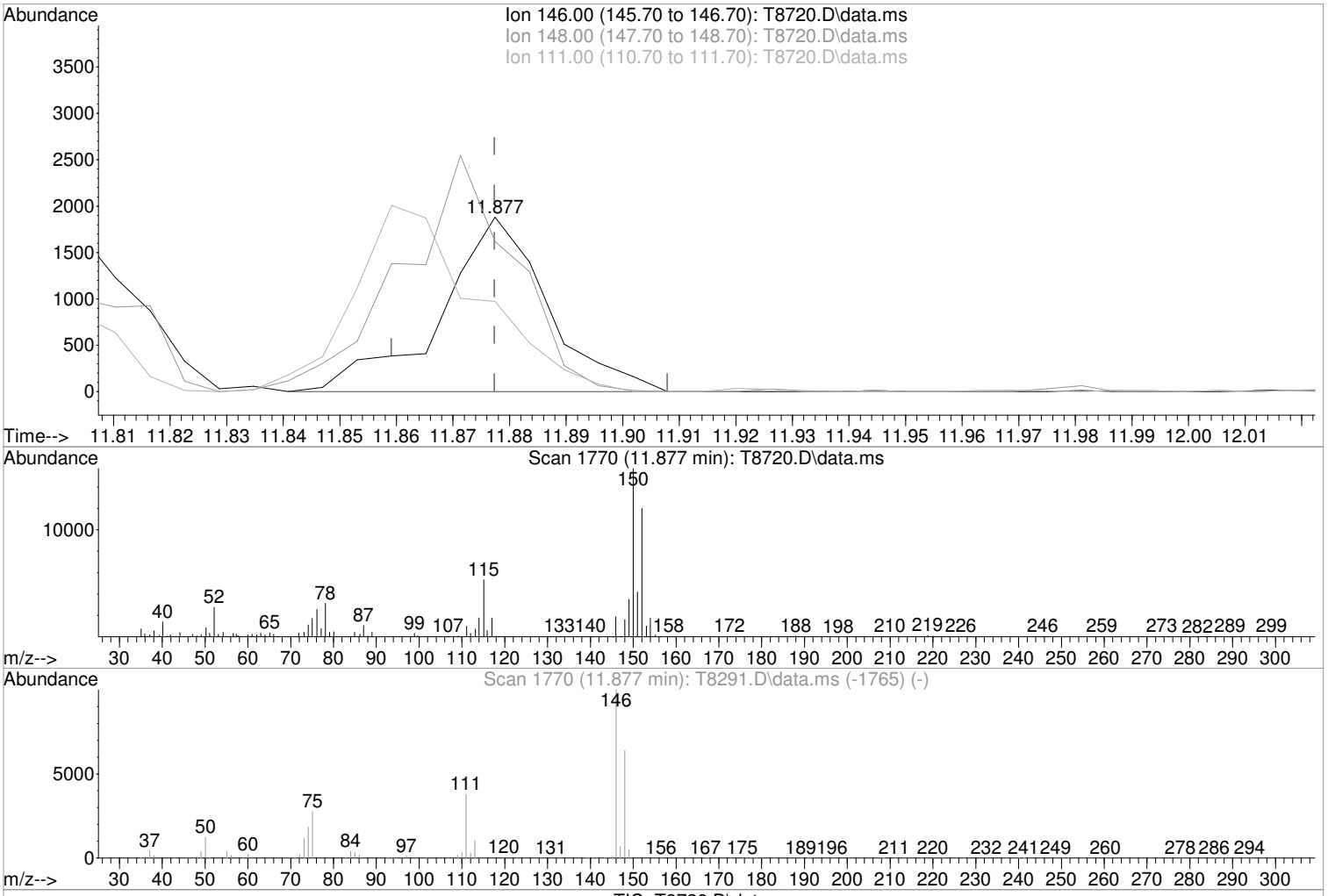
Ion	Ratio	Lower	Upper
43	100		
57	4.0	0.0	28.5
72	0.0	6.2	46.2#



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



(105) 1,4-Dclbenz (P)

11.877min (+0.000) 0.51 ug/L m

response 2456

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	86.06#
111.00	38.30	51.73
0.00	0.00	0.00

Manual Integration:

After

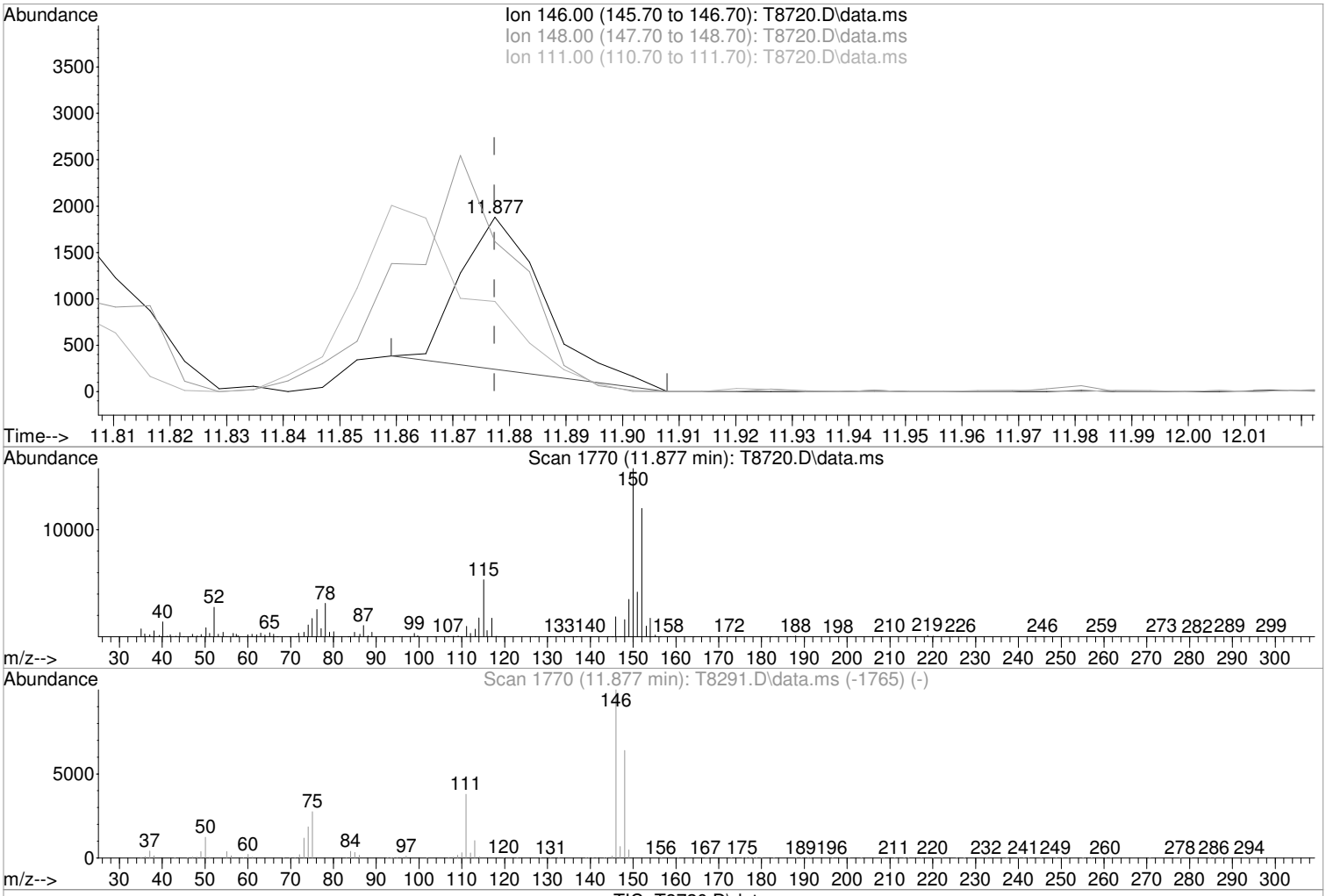
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



(105) 1,4-Dclbenz (P)

11.877min (+0.000) 0.33 ug/L

response 1612

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	86.06#
111.00	38.30	51.73
0.00	0.00	0.00

Manual Integration:

Before

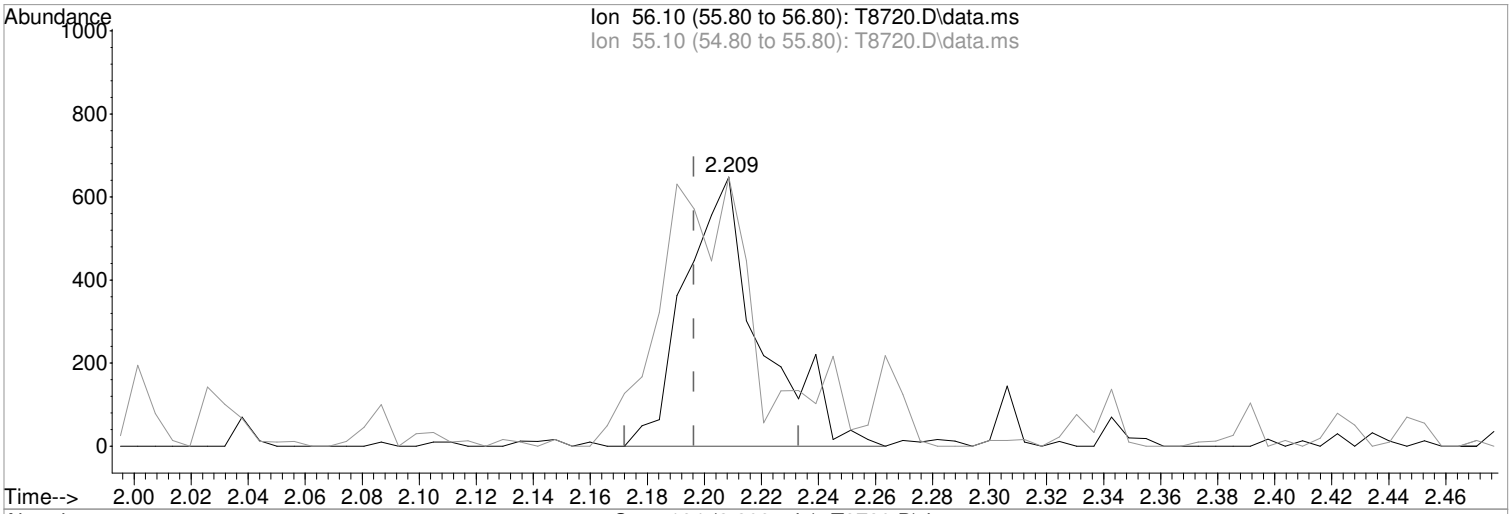
09/08/21

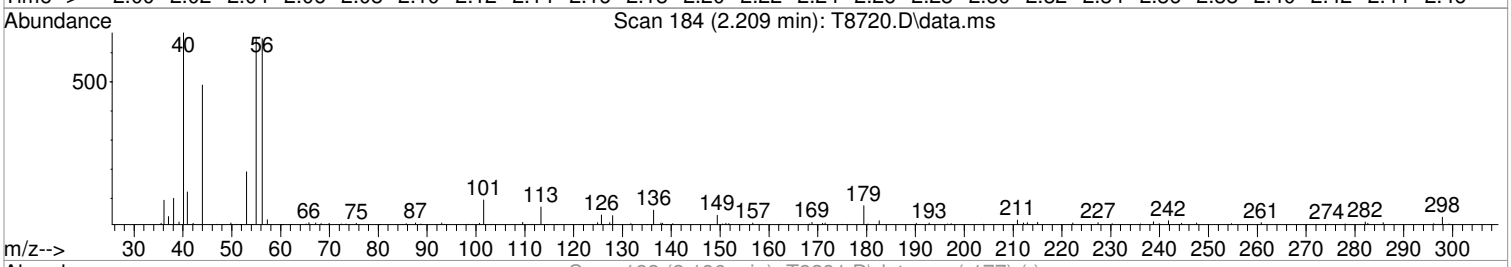
1st FW 09/08/21
2nd WR 09/08/21

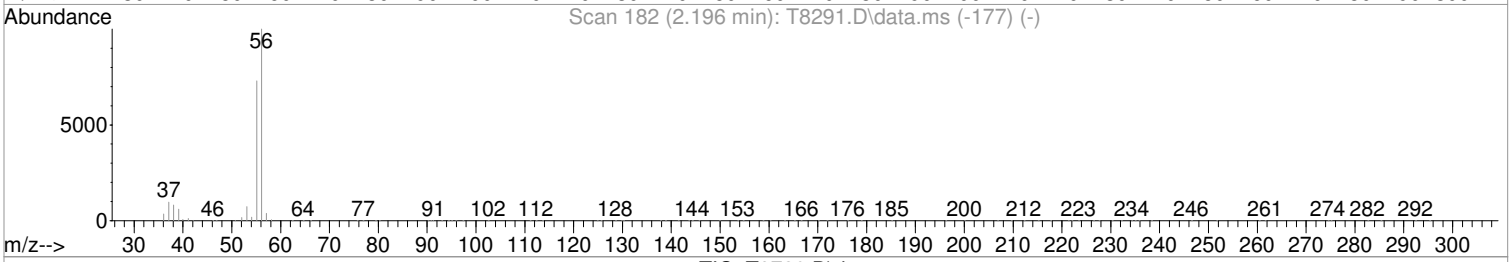
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(12) Acrolein

2.209min (+0.012) 1.54 ug/L m

response 1186

Ion	Exp%	Act%
56.10	100	100
55.10	73.10	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

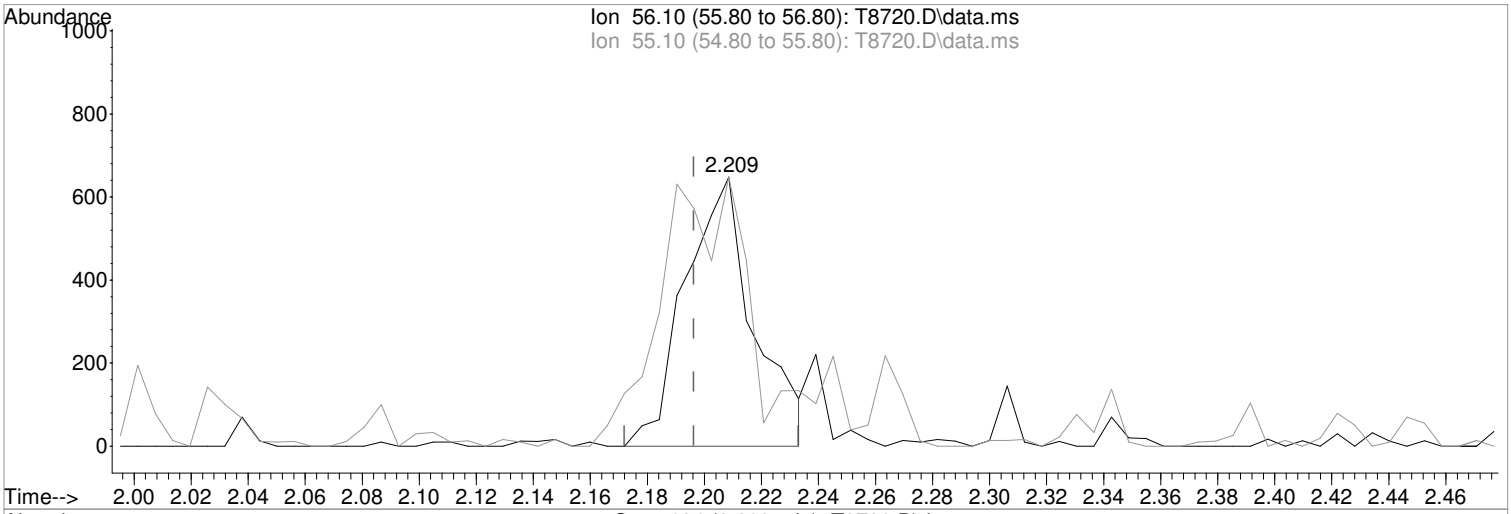
Poor integration.

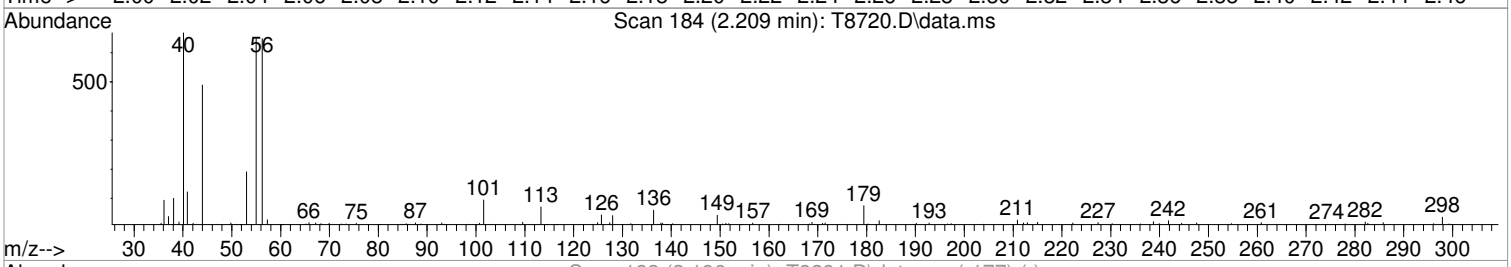
09/08/21

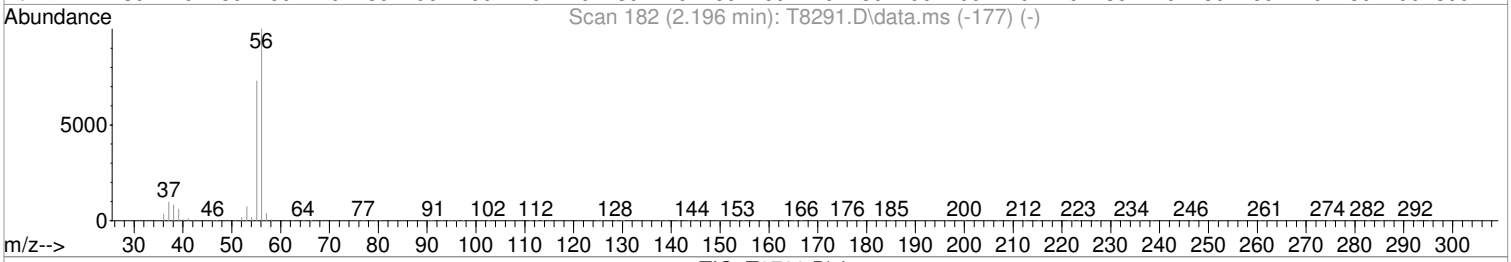
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(12) Acrolein

2.209min (+0.012) 1.40 ug/L

response 1080

Ion	Exp%	Act%
56.10	100	100
55.10	73.10	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

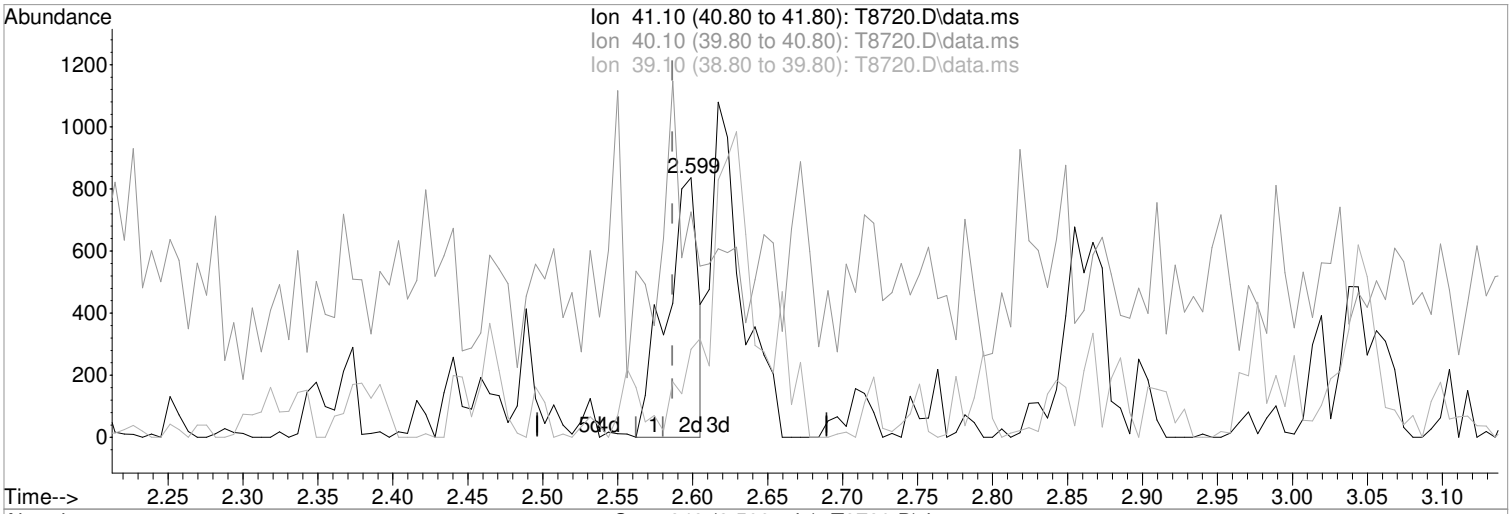
Before

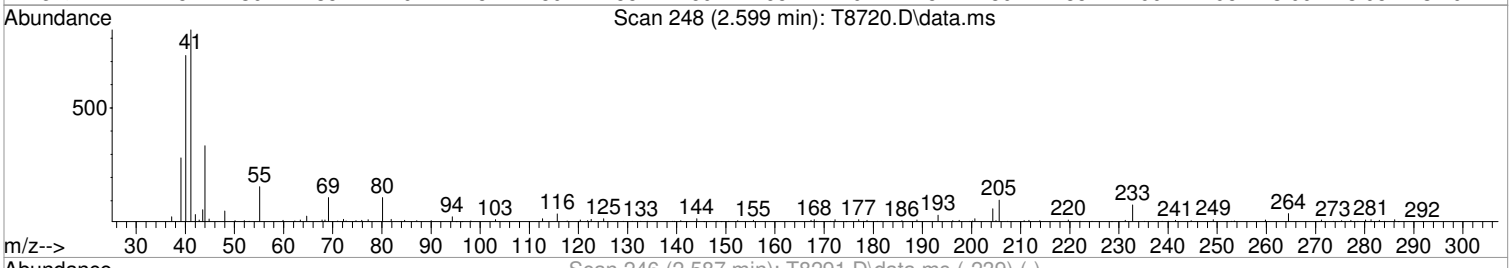
09/08/21

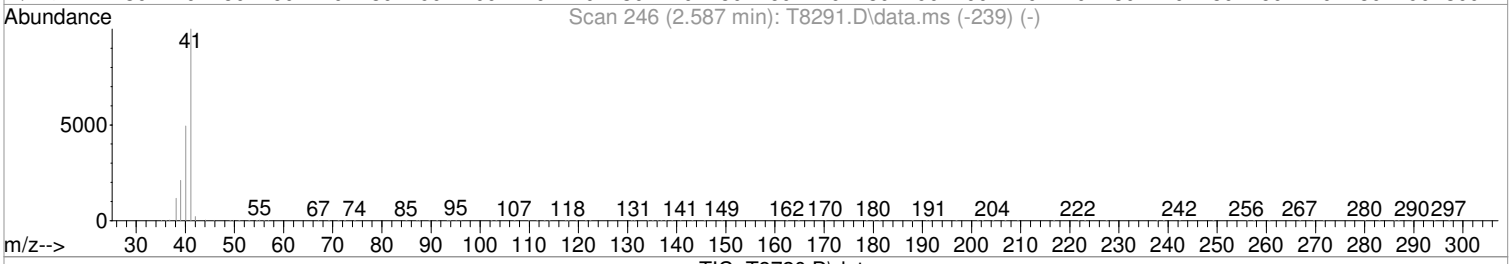
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(19) Acetonitrile

2.599min (+0.012) 2.15 ug/L m

response 1240

Ion	Exp%	Act%
41.10	100	100
40.10	50.60	86.84#
39.10	21.10	33.97
0.00	0.00	0.00

Manual Integration:

After

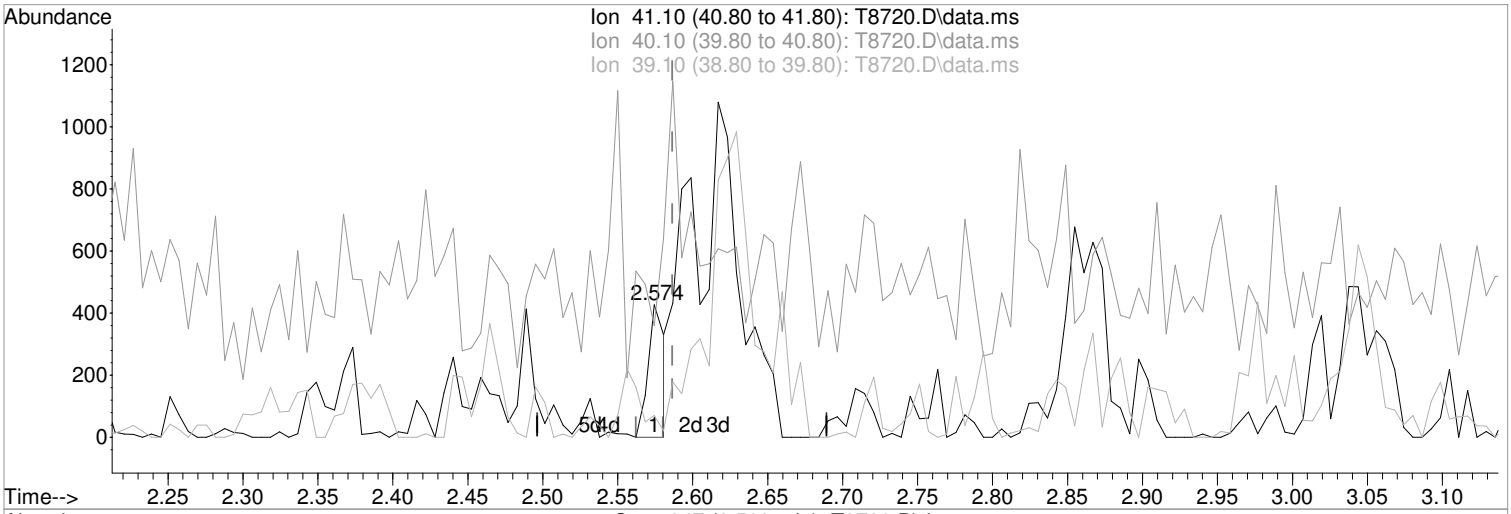
Poor integration.

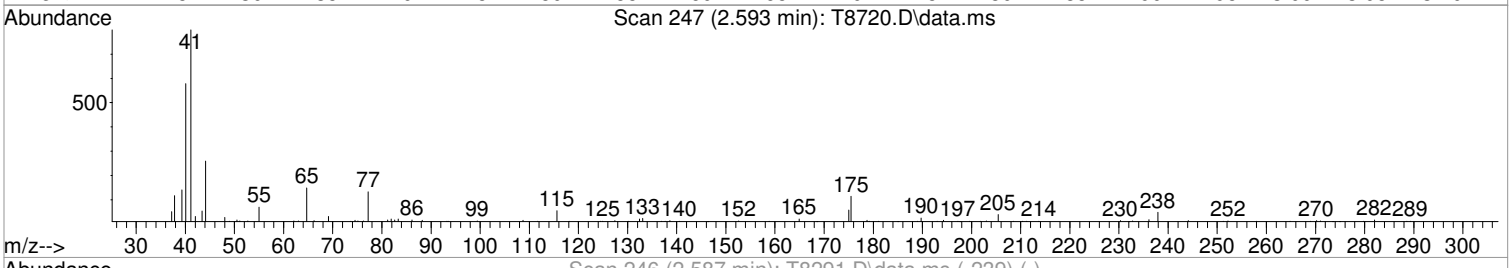
09/08/21

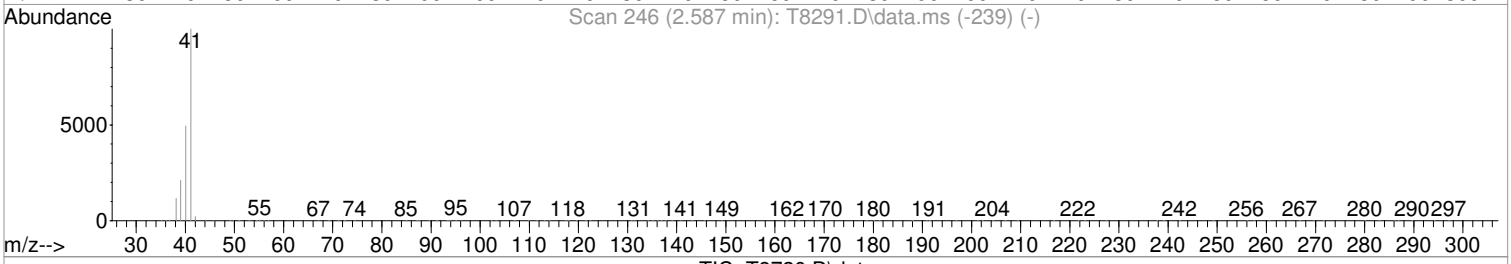
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(19) Acetonitrile

2.574min (-0.012) 0.57 ug/L

response 326

Ion	Exp%	Act%
41.10	100	100
40.10	50.60	84.31#
39.10	21.10	16.39
0.00	0.00	0.00

Manual Integration:

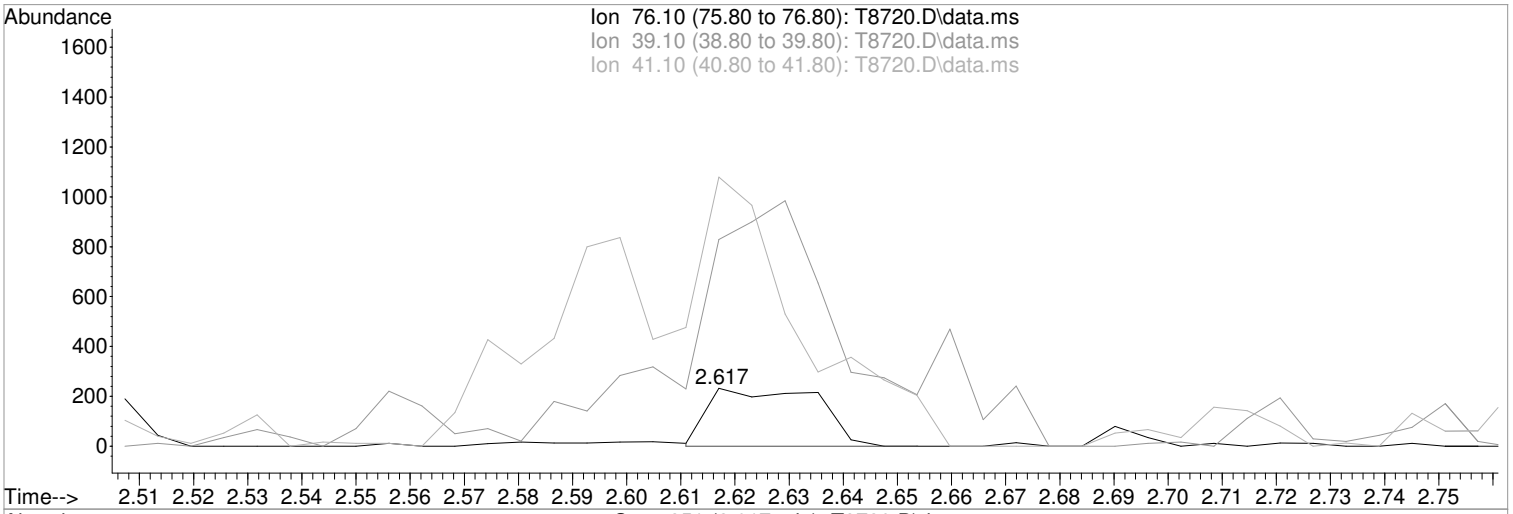
Before

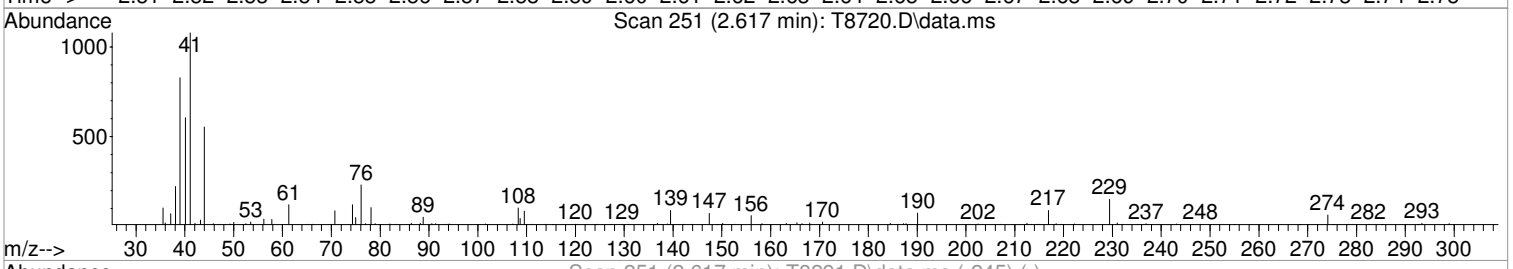
09/08/21

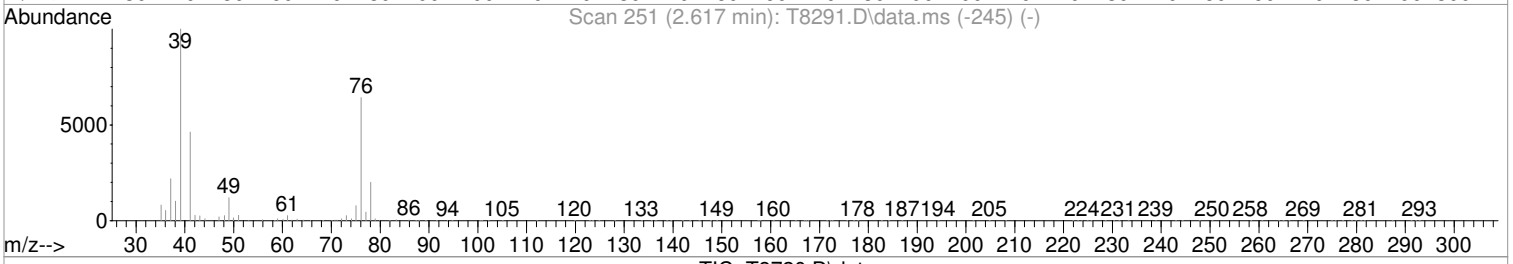
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(20) Allyl Chloride

2.617min (+0.000) 0.24 ug/L m

response 322

Ion	Exp%	Act%
76.10	100	100
39.10	204.00	357.33#
41.10	296.20	465.09#
0.00	0.00	0.00

Manual Integration:

After

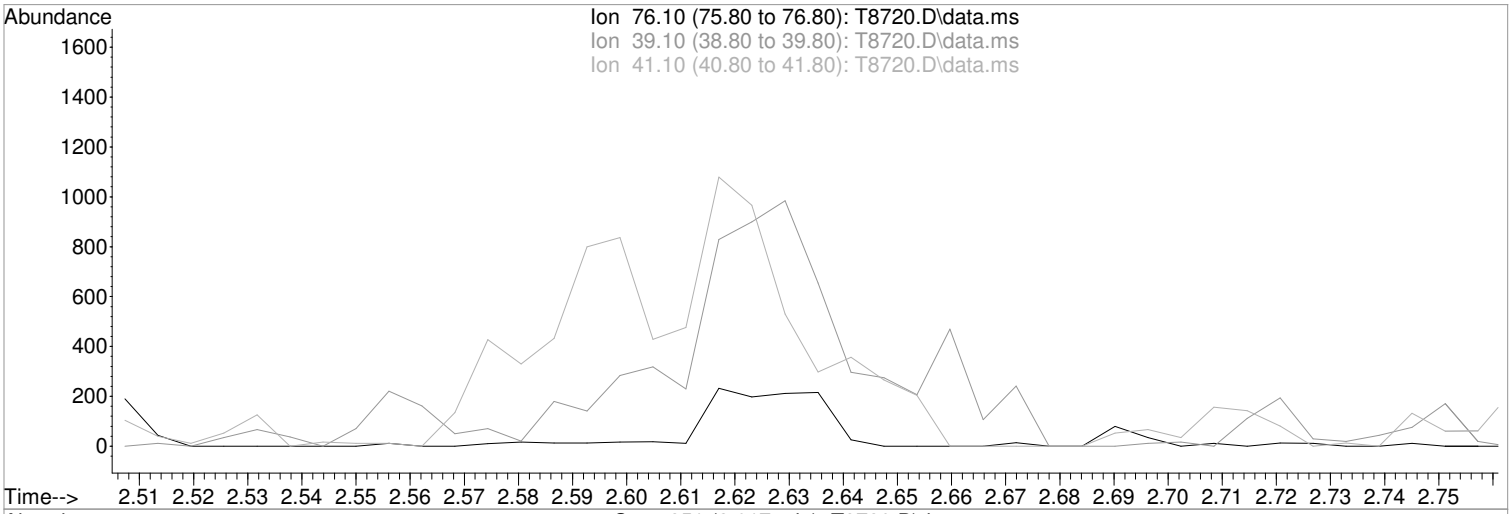
Peak not found.

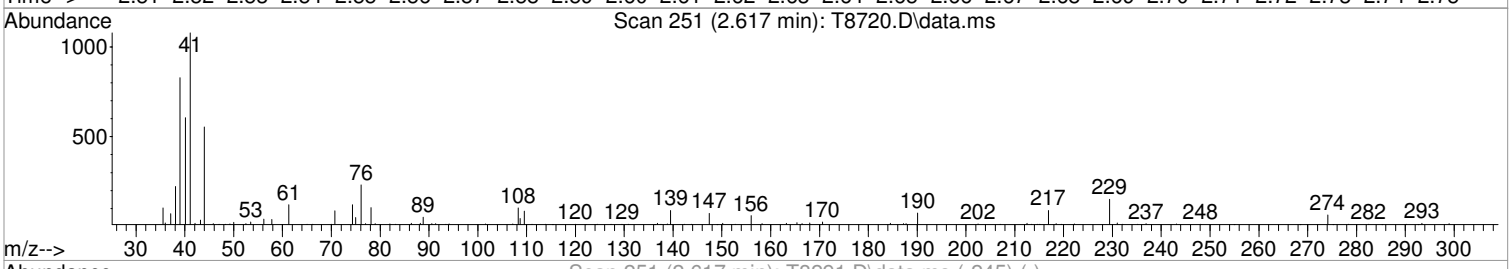
09/08/21

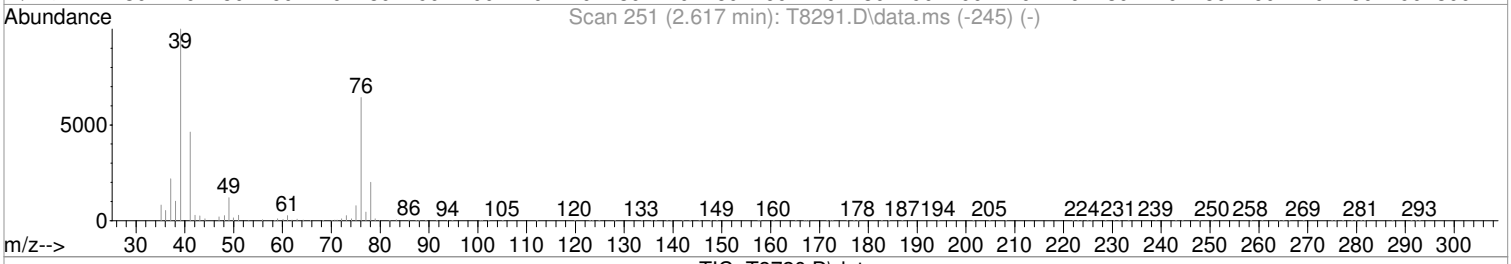
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(20) Allyl Chloride

2.617min (-2.617) 0.00 ug/L

response 0

Ion	Exp%	Act%
76.10	100	0.00
39.10	204.00	0.00#
41.10	296.20	0.00#
0.00	0.00	0.00

Manual Integration:

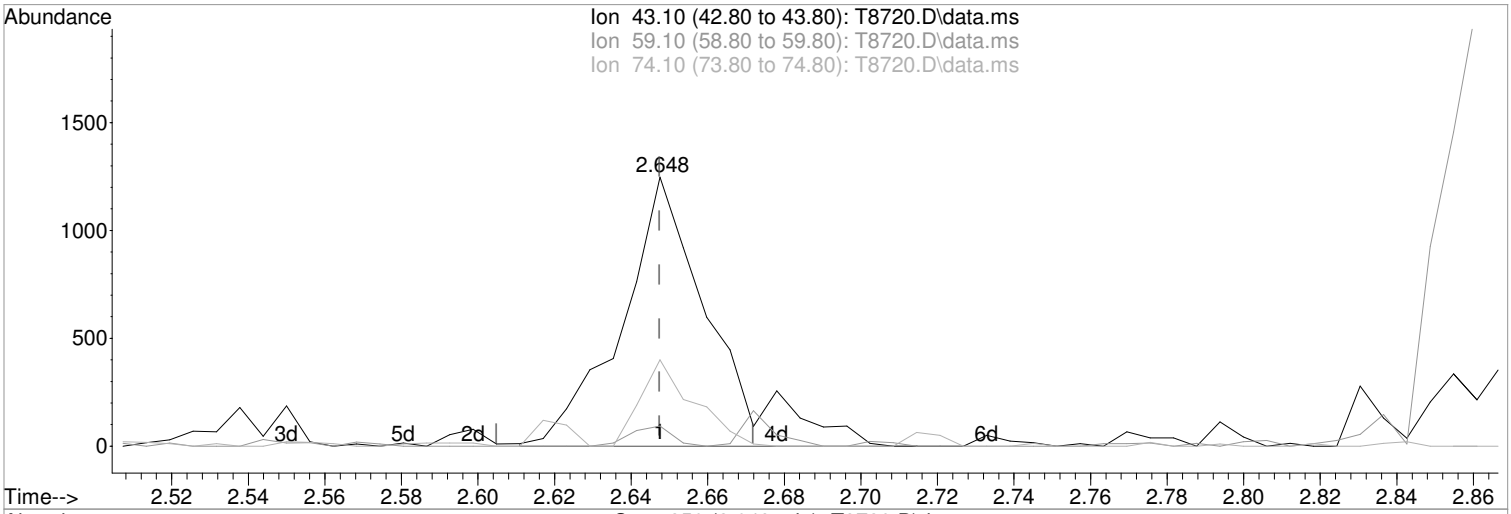
Before

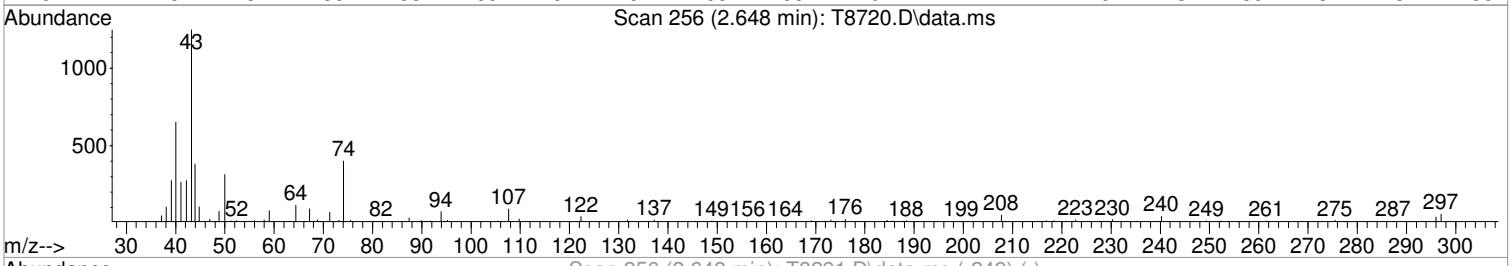
09/08/21

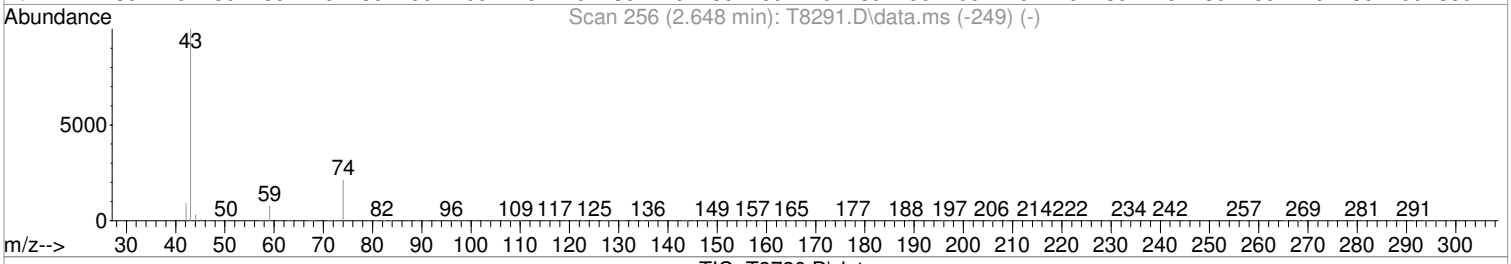
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(21) Methyl Acetate (P)

2.648min (+0.000) 0.65 ug/L m

response 2053

Ion	Exp%	Act%
43.10	100	100
59.10	7.70	6.42
74.10	21.20	32.08
0.00	0.00	0.00

Manual Integration:

After

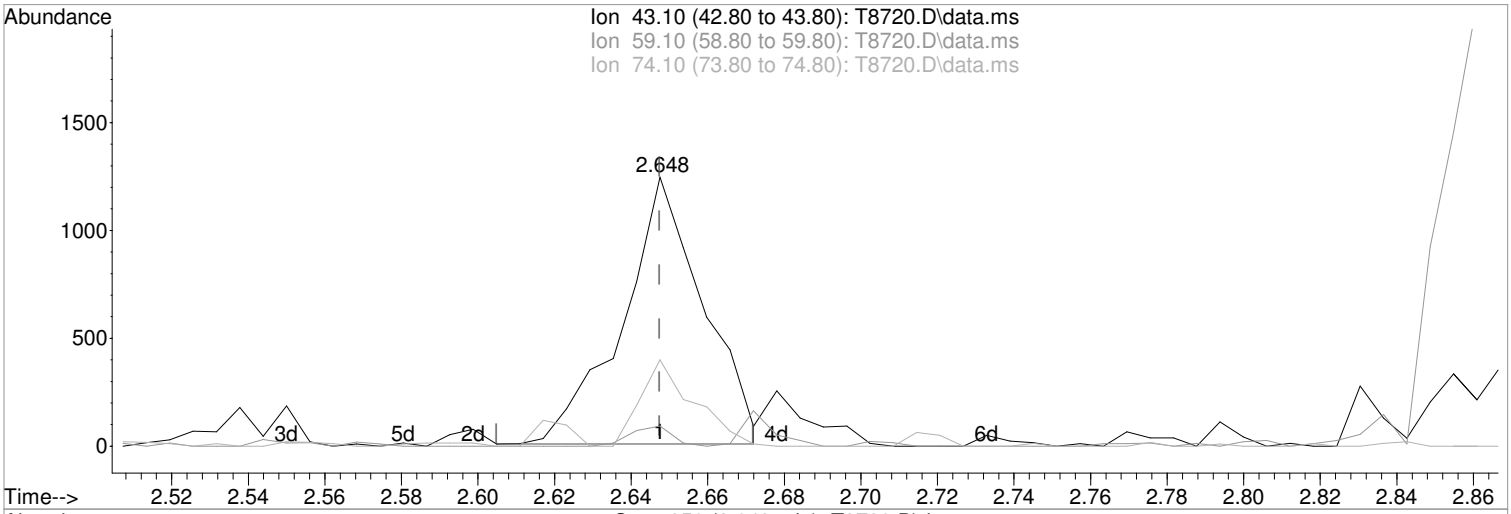
Poor integration.

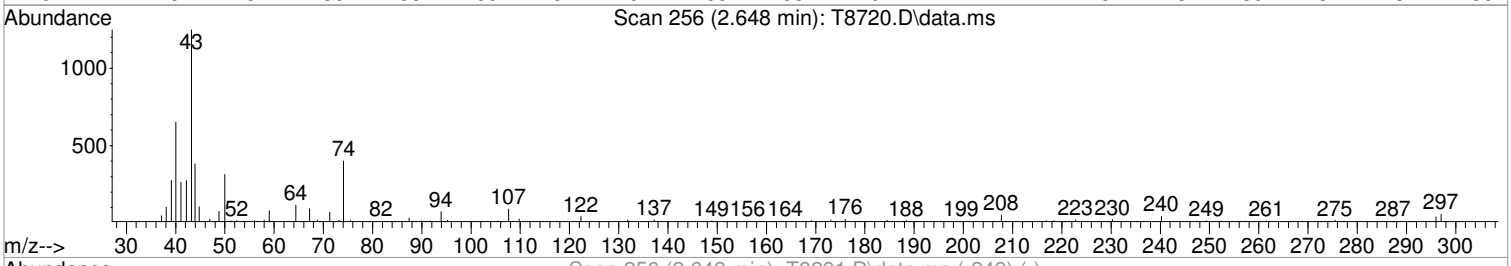
09/08/21

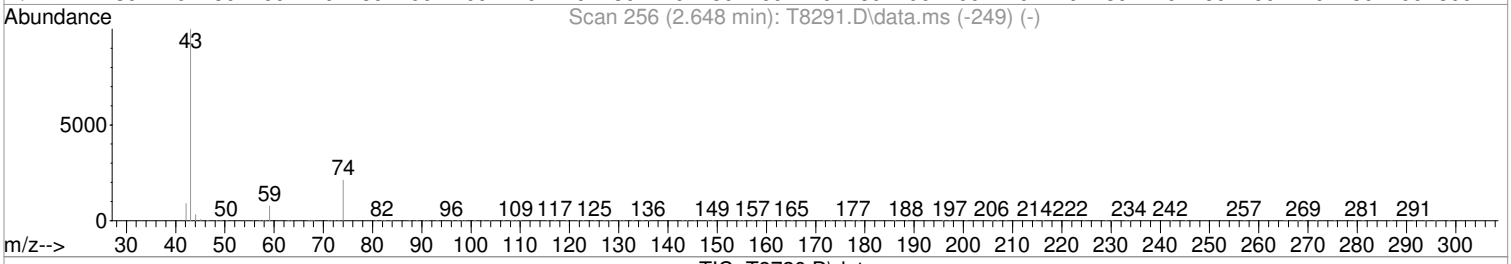
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(21) Methyl Acetate (P)

2.648min (+0.000) 0.57 ug/L

response 1805

Ion	Exp%	Act%
43.10	100	100
59.10	7.70	7.46
74.10	21.20	32.08
0.00	0.00	0.00

Manual Integration:

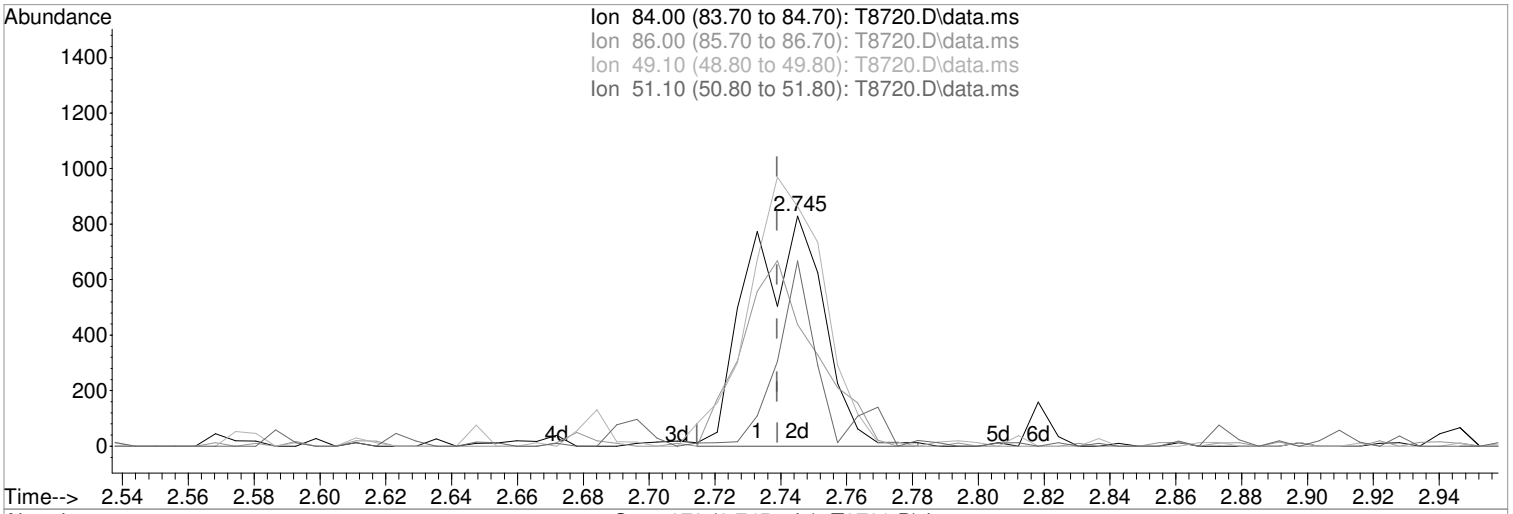
Before

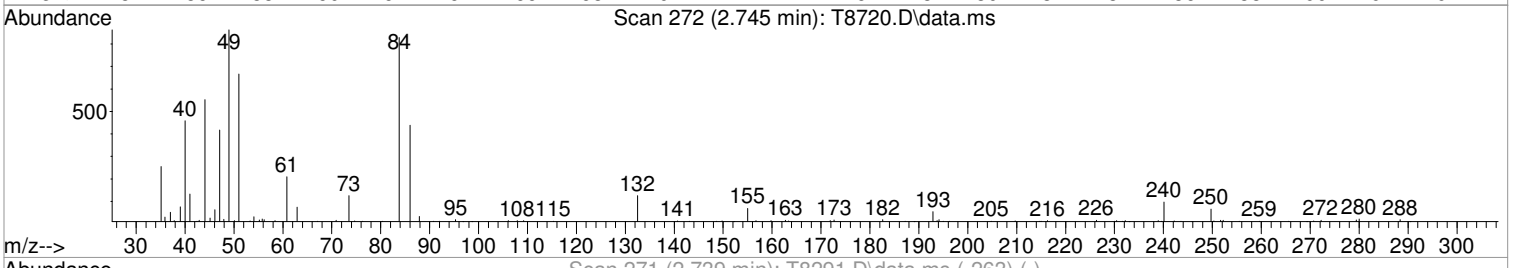
09/08/21

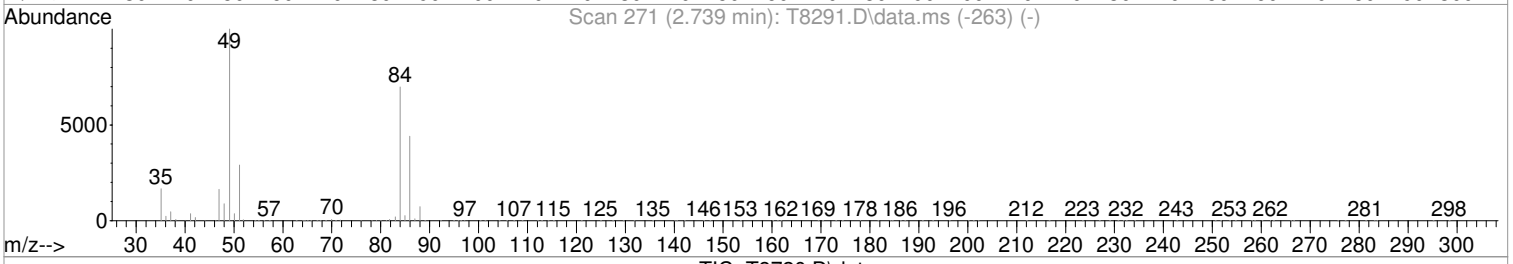
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(22) Methylene Chloride (P)

2.745min (+0.006) 0.50 ug/L m

response 1320

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	52.83
49.10	143.30	104.10#
51.10	41.60	80.46#

Manual Integration:

After

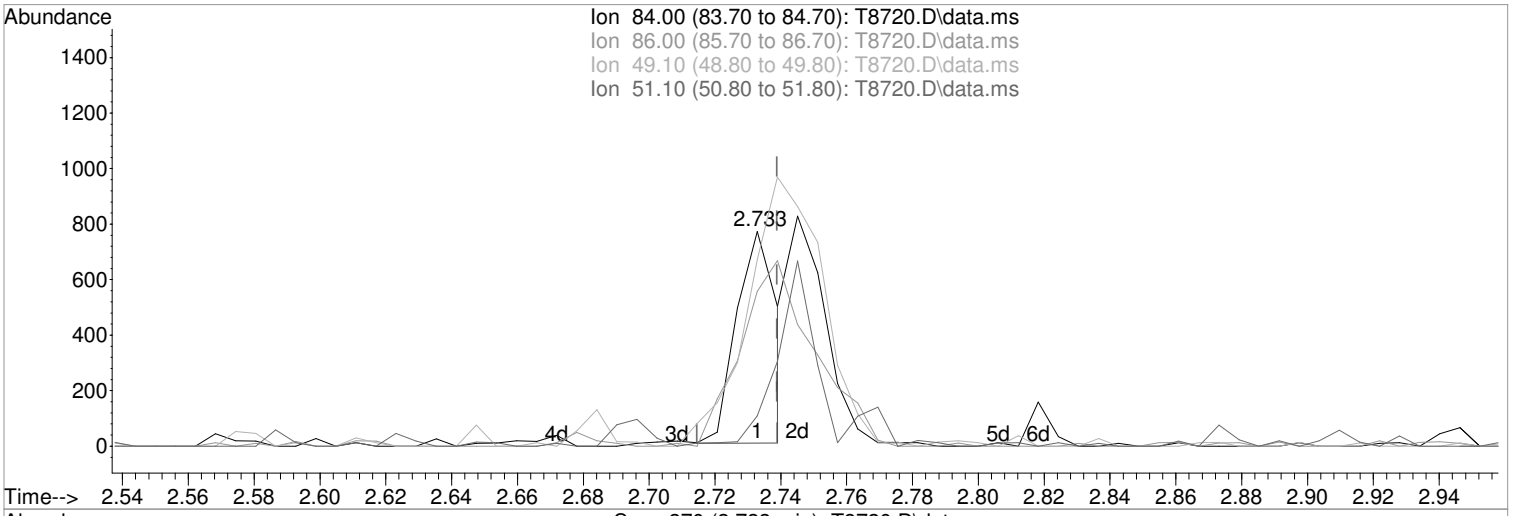
Poor integration.

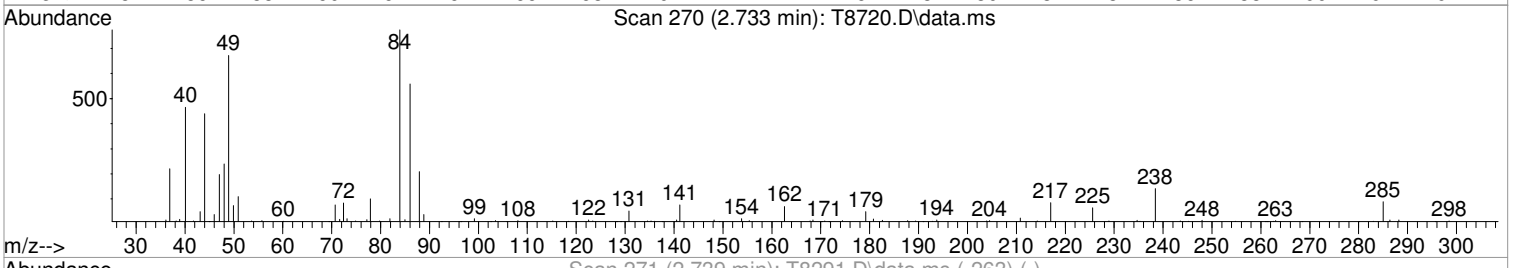
09/08/21

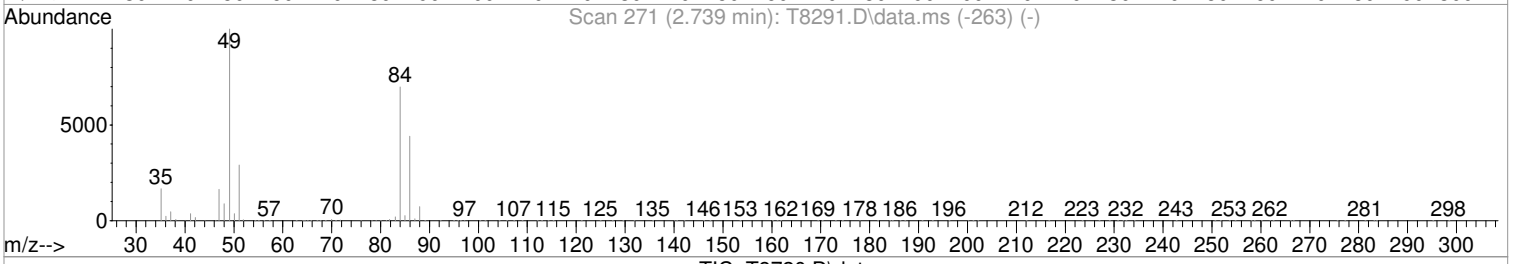
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(22) Methylene Chloride (P)

2.733min (-0.006) 0.25 ug/L

response 653

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	72.09
49.10	143.30	86.82#
51.10	41.60	14.08#

Manual Integration:

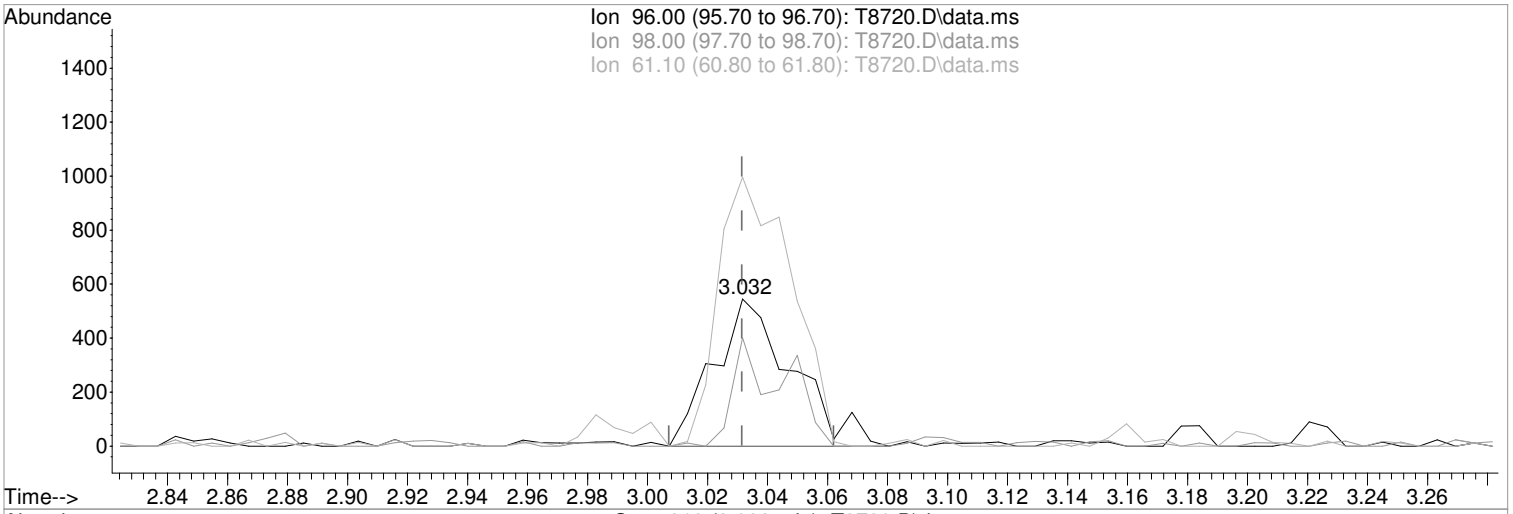
Before

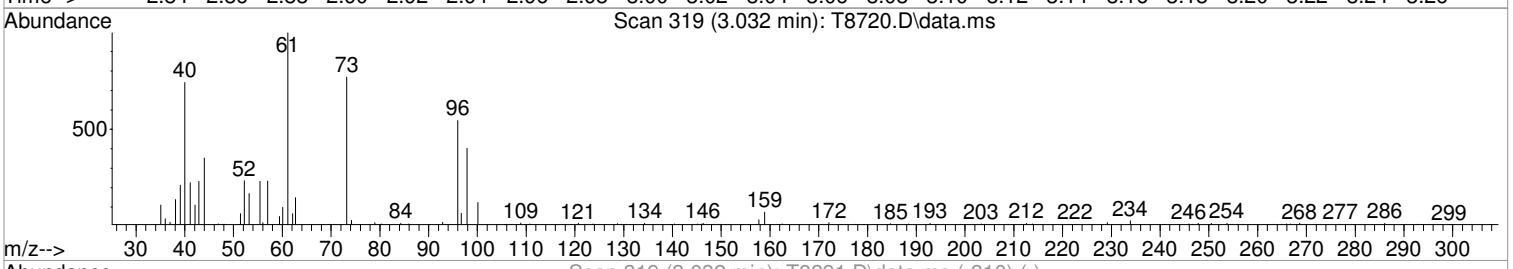
09/08/21

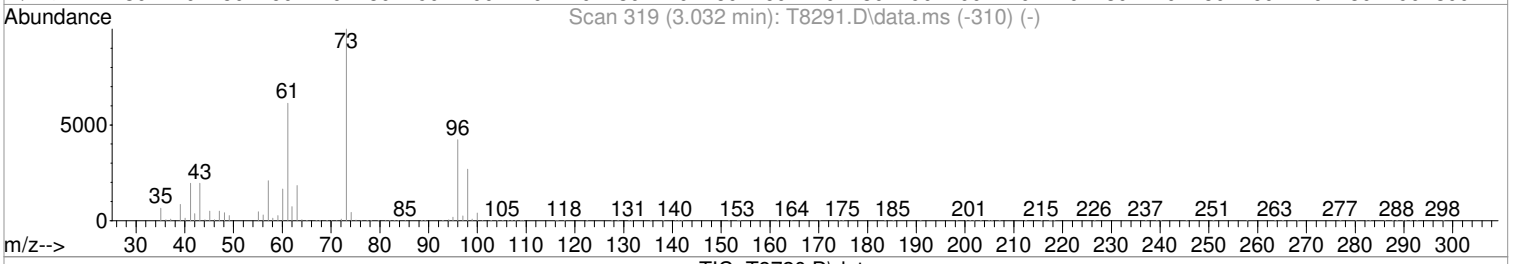
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

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

3.032min (+0.000) 0.44 ug/L m

response 995

Ion	Exp%	Act%
96.00	100	100
98.00	63.50	73.58
61.10	145.20	182.75#
0.00	0.00	0.00

Manual Integration:

After

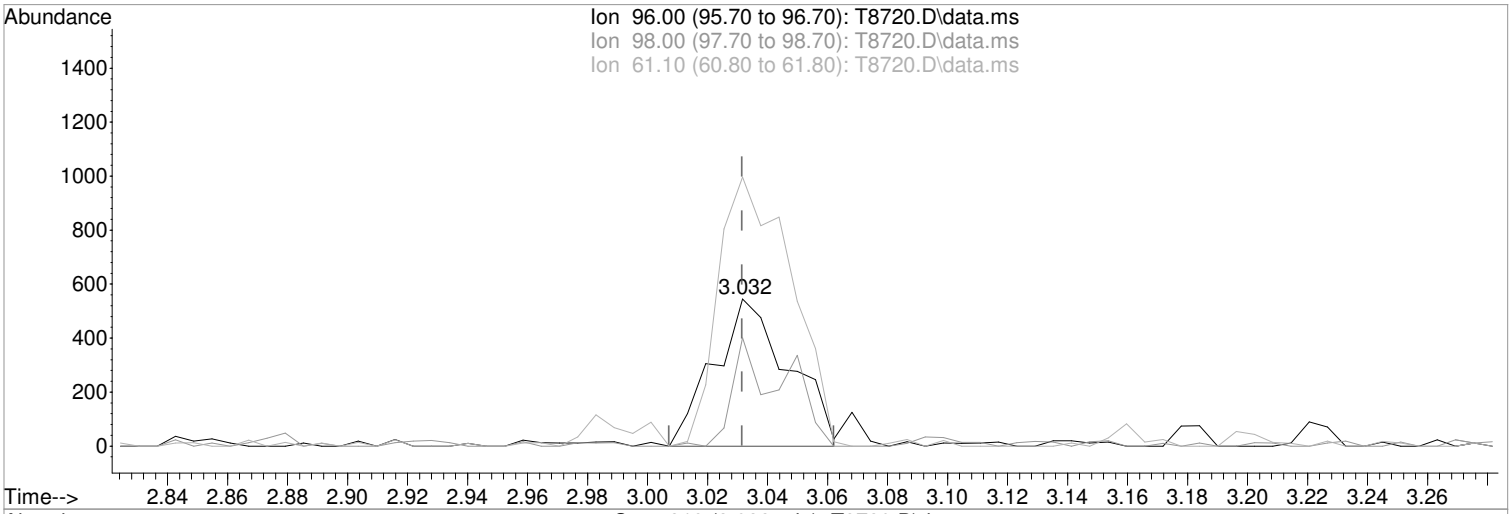
Poor integration.

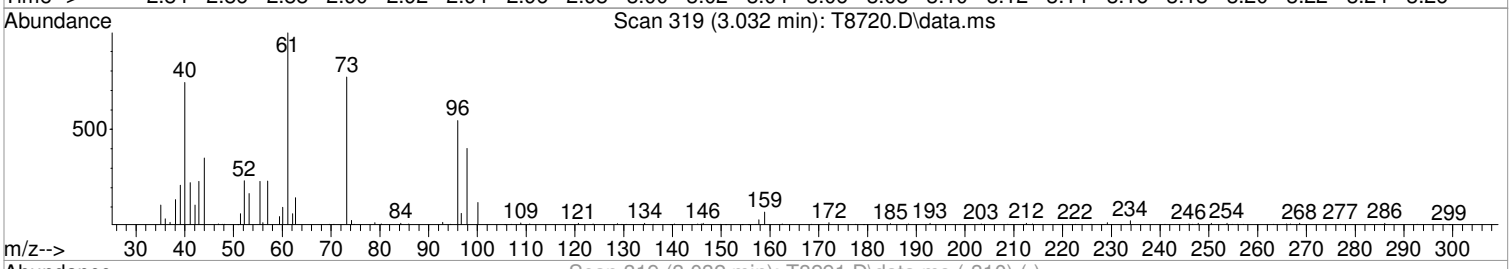
09/08/21

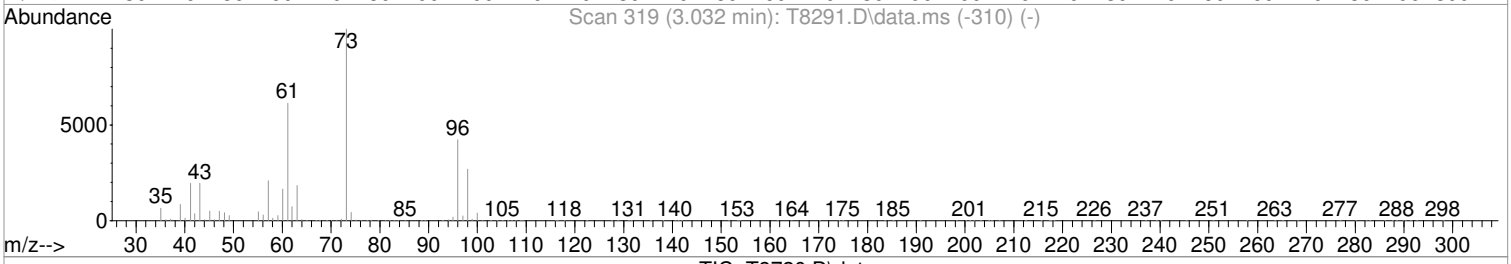
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

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

3.032min (+0.000) 0.42 ug/L

response 943

Ion	Exp%	Act%
96.00	100	100
98.00	63.50	65.42
61.10	145.20	162.48
0.00	0.00	0.00

Manual Integration:

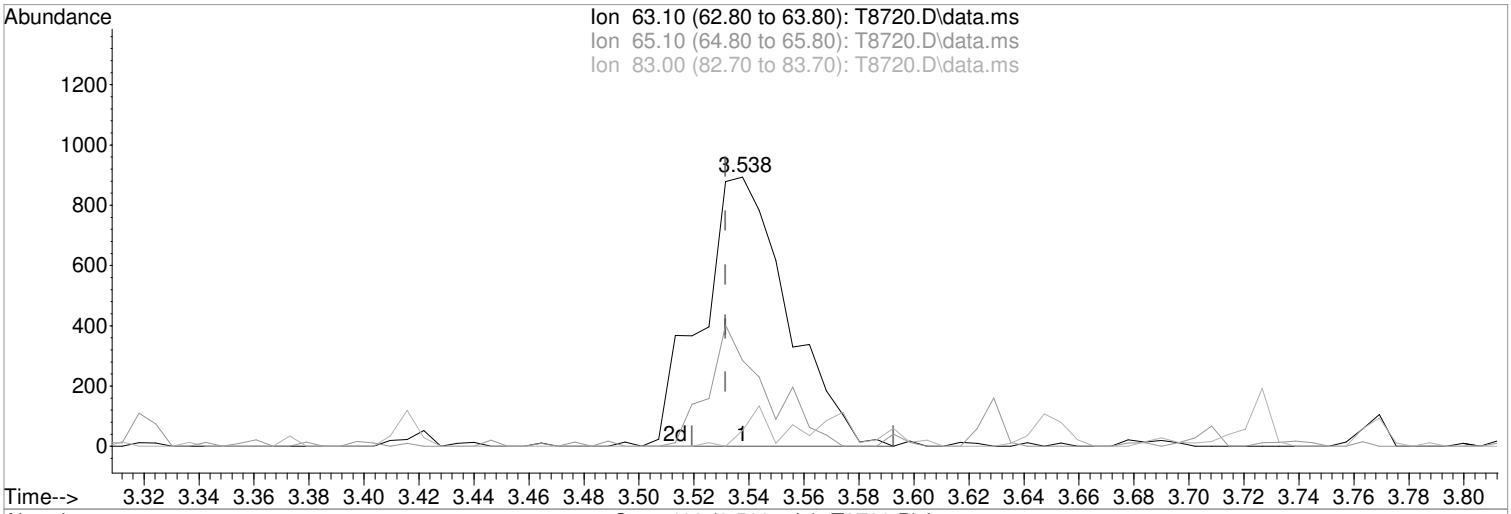
Before

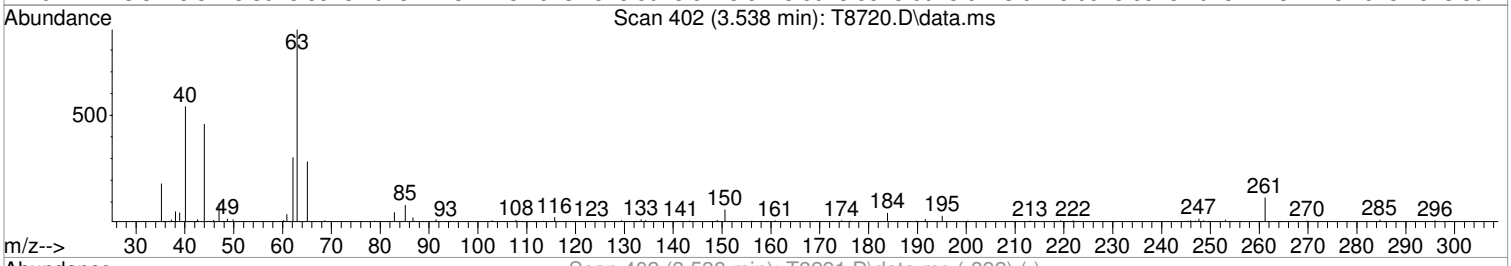
09/08/21

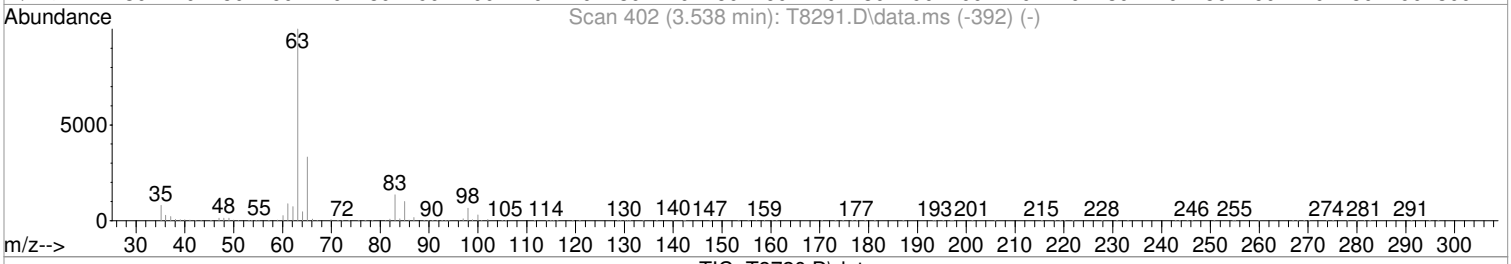
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(27) 1,1-Diclethane (P)

3.538min (+0.006) 0.46 ug/L m

response 1946

Ion	Exp%	Act%
63.10	100	100
65.10	33.30	31.91
83.00	13.50	5.82
0.00	0.00	0.00

Manual Integration:

After

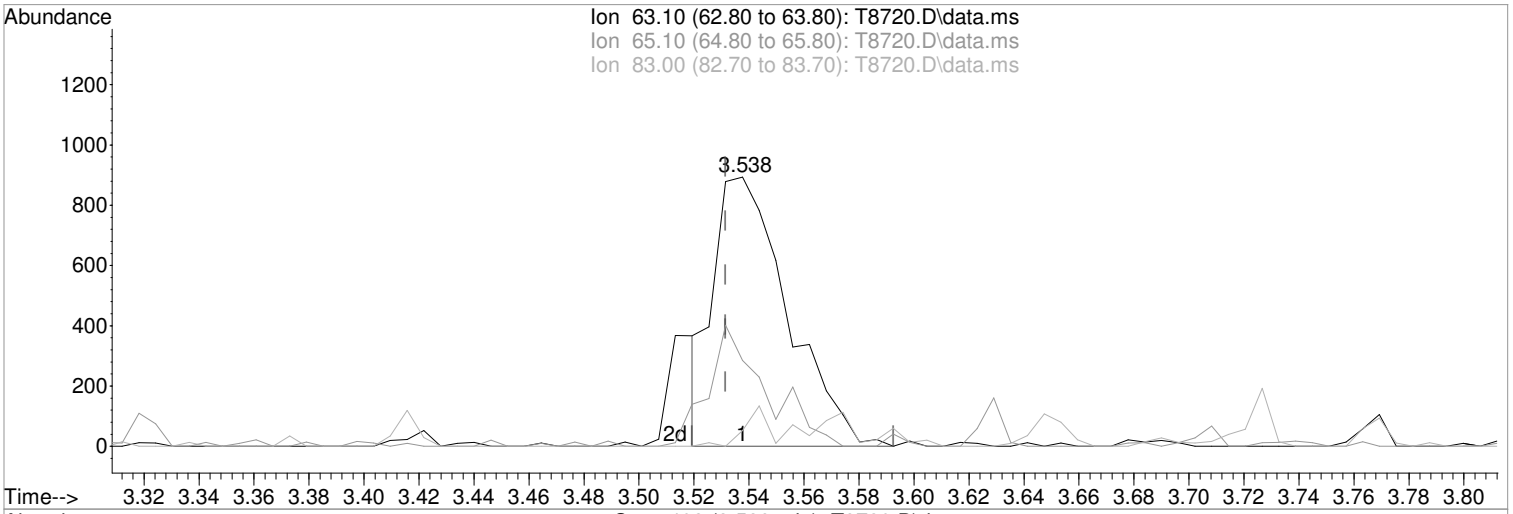
Poor integration.

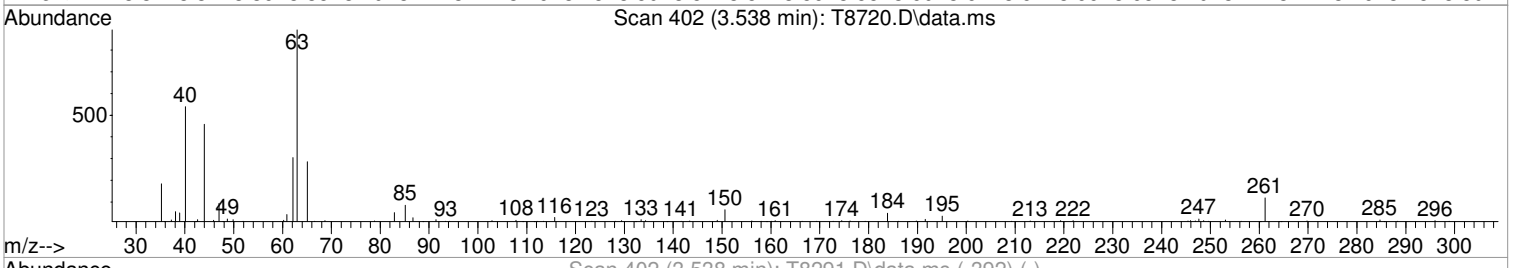
09/08/21

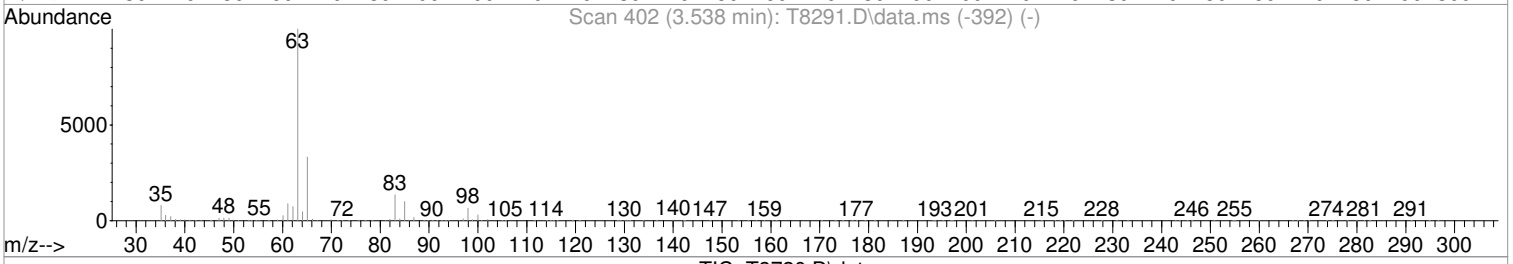
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(27) 1,1-Diclethane (P)

3.538min (+0.006) 0.40 ug/L

response 1668

Ion	Exp%	Act%
63.10	100	100
65.10	33.30	31.91
83.00	13.50	5.82
0.00	0.00	0.00

Manual Integration:

Before

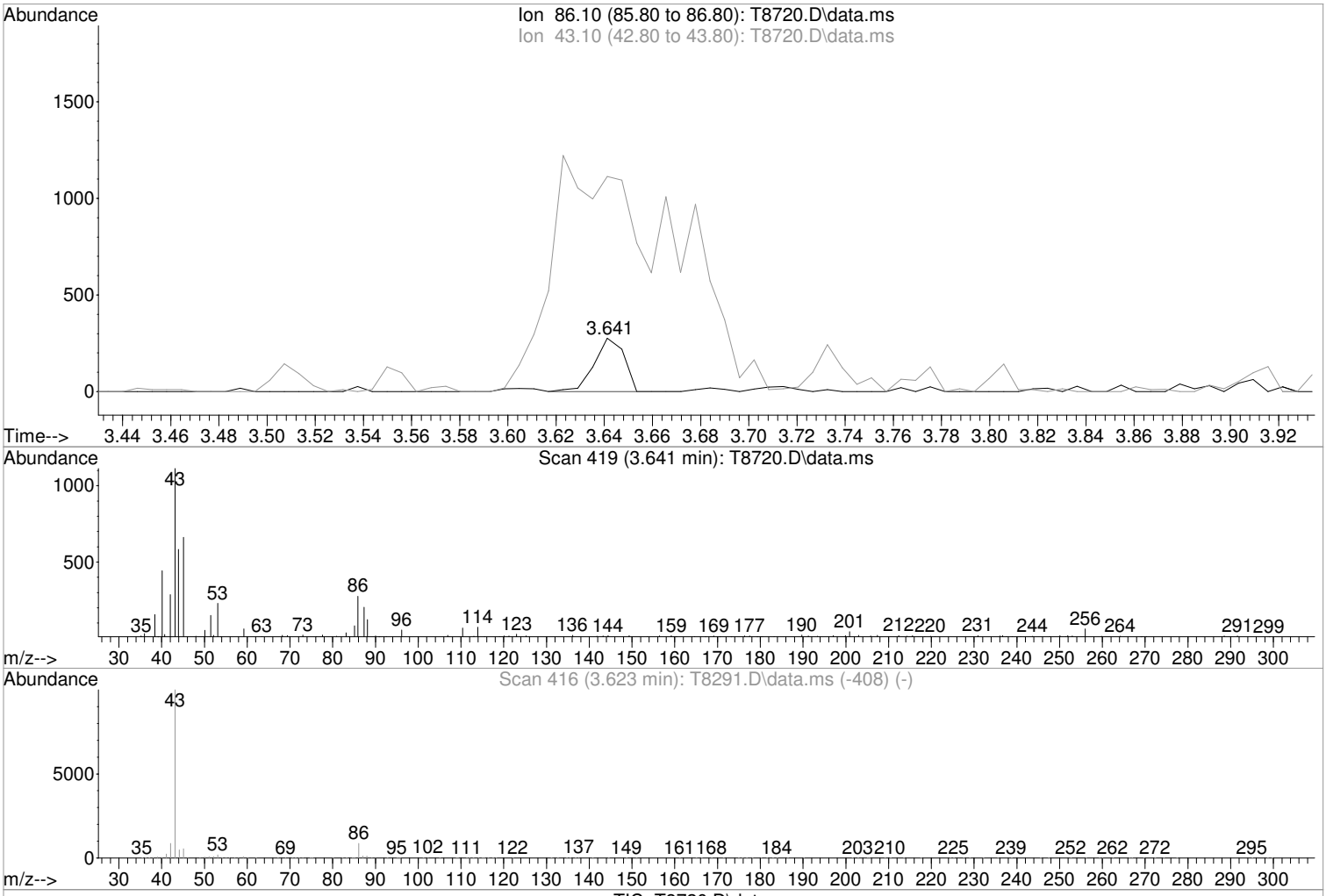
09/08/21

1st FN 09/08/21
2nd 09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(28) Vinyl Acetate

3.641min (+0.012) 0.41 ug/L m

response 237

Ion	Exp%	Act%
86.10	100	100
43.10	1150.60	403.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

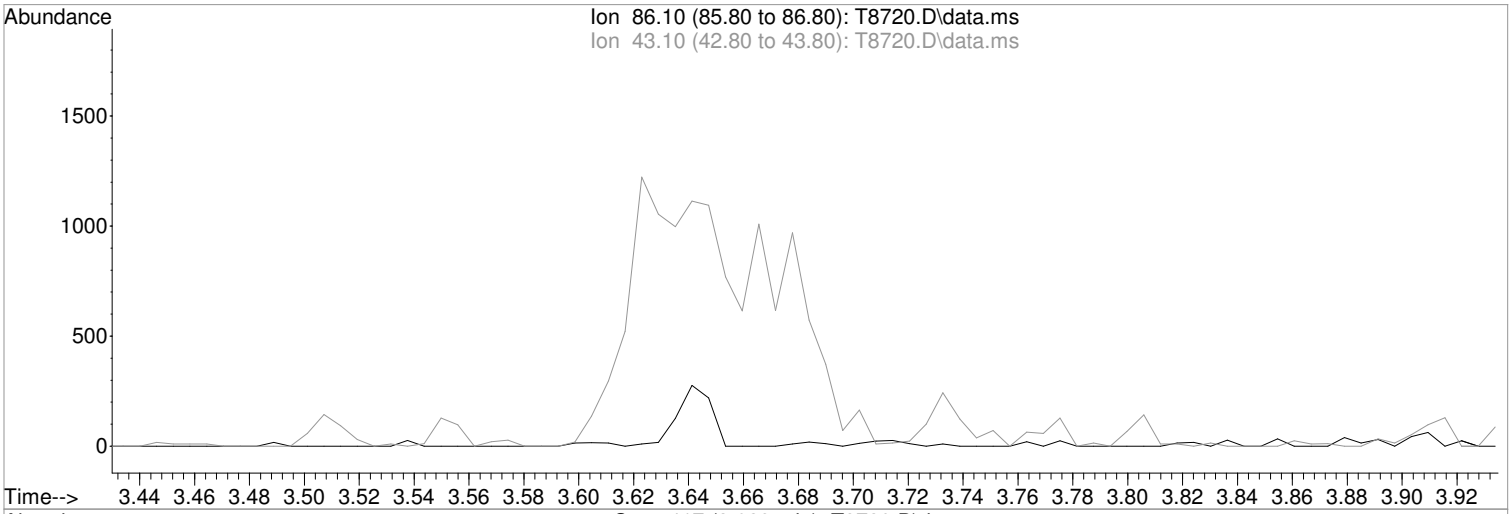
Peak not found.

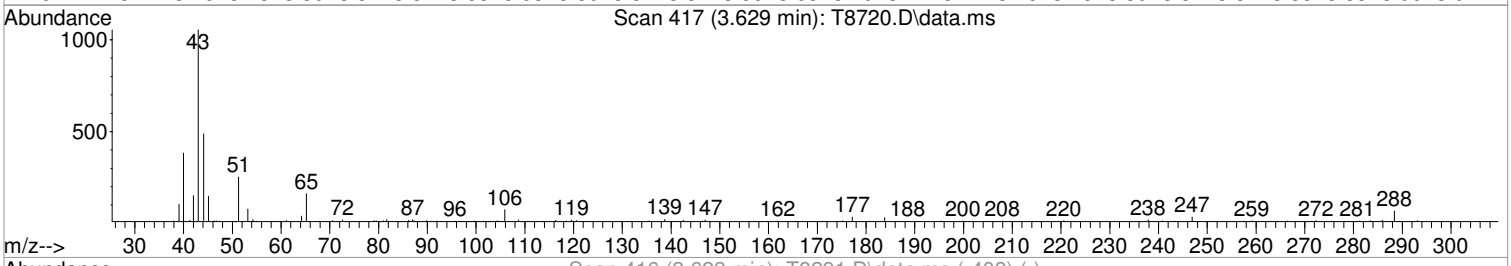
09/08/21

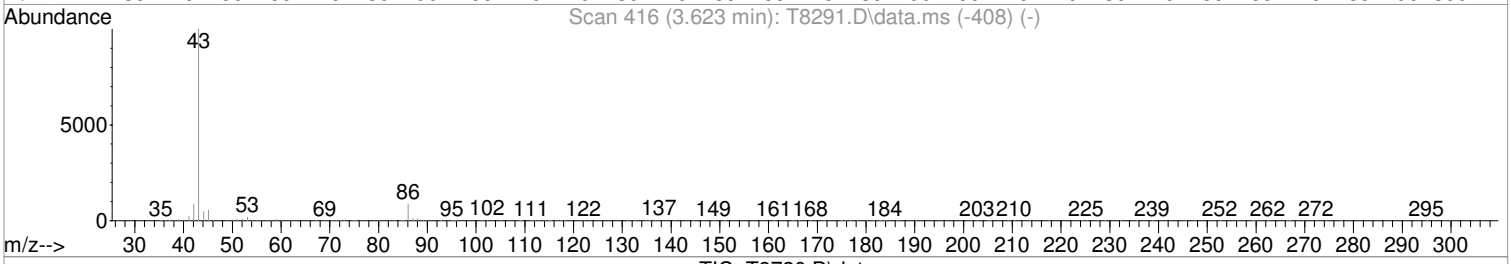
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(28) Vinyl Acetate

3.629min (-3.629) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.10	100	0.00
43.10	1150.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

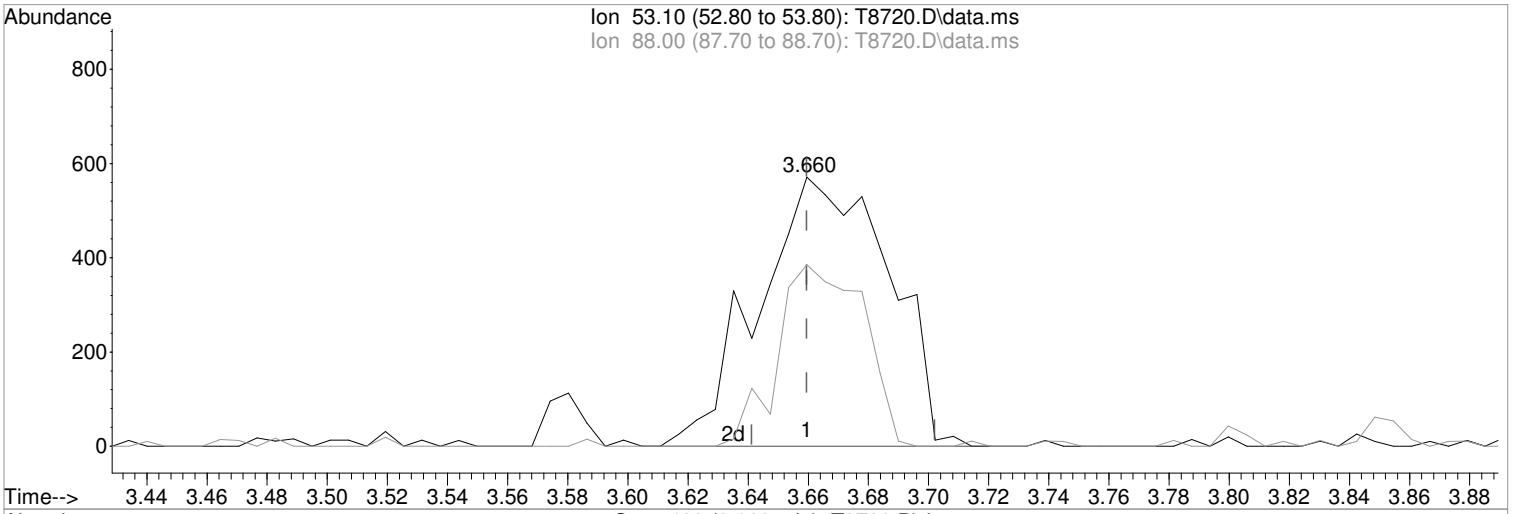
09/08/21

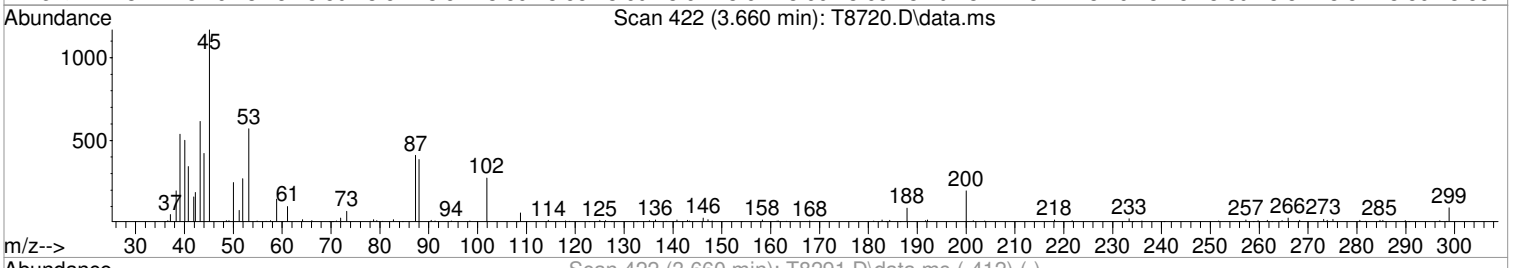
1st FN 09/08/21
2nd 09/08/21

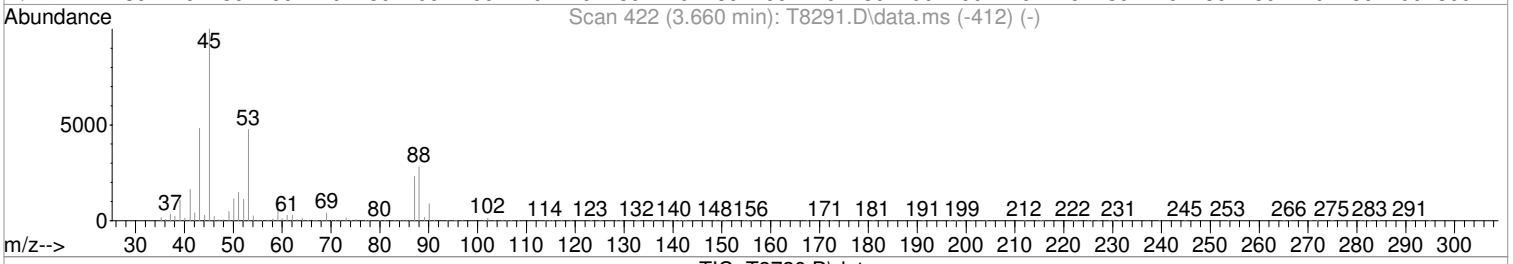
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.660min (+0.000) 0.52 ug/L m

response 1728

Ion	Exp%	Act%
53.10	100	100
88.00	59.00	67.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

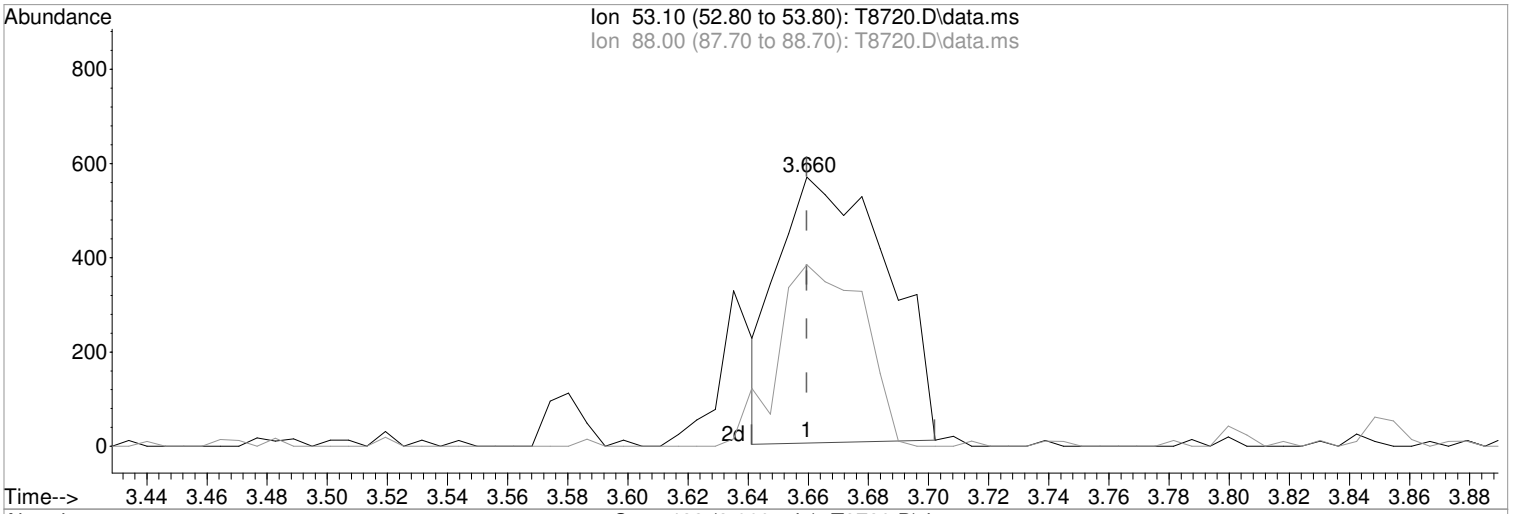
Poor integration.

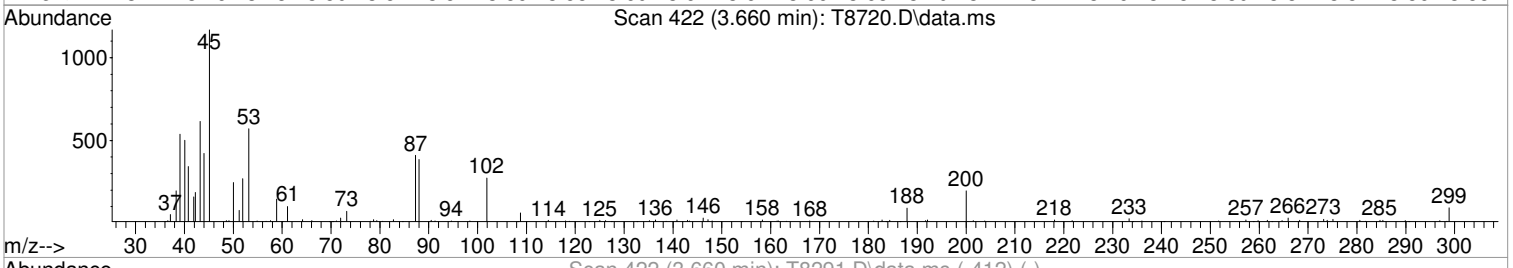
09/08/21

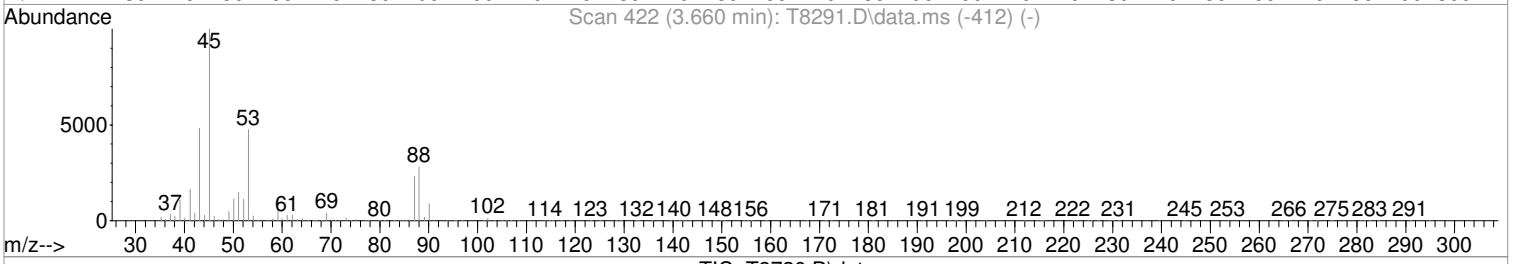
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.660min (+0.000) 0.43 ug/L

response 1427

Ion	Exp%	Act%
53.10	100	100
88.00	59.00	67.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

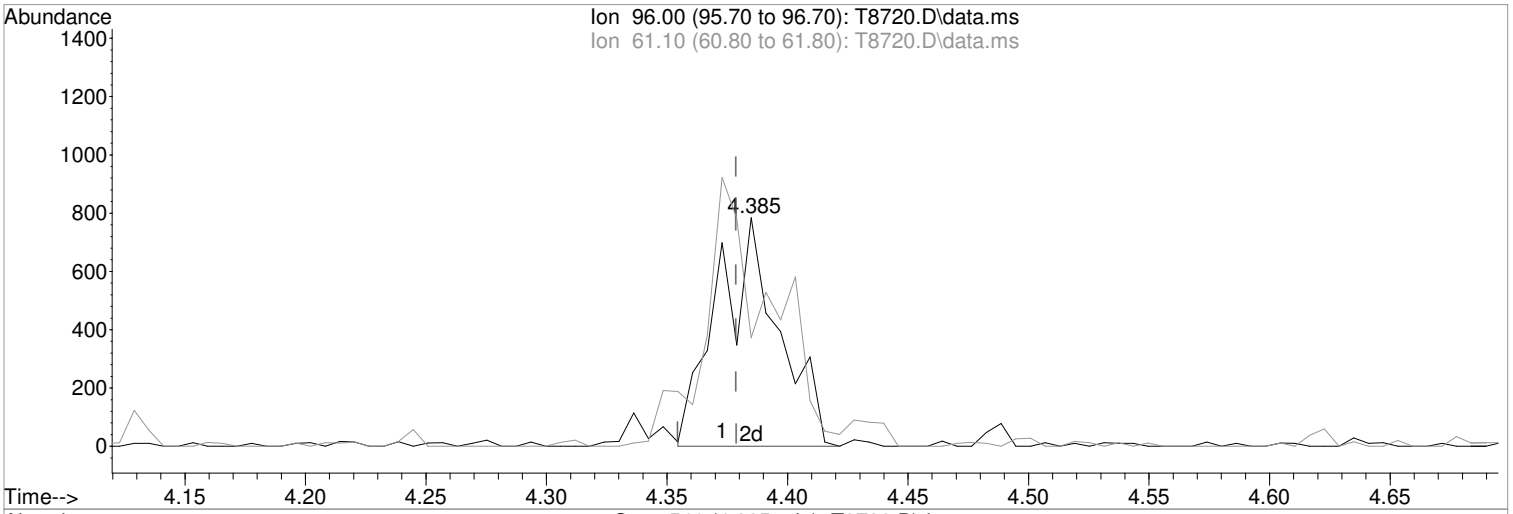
09/08/21

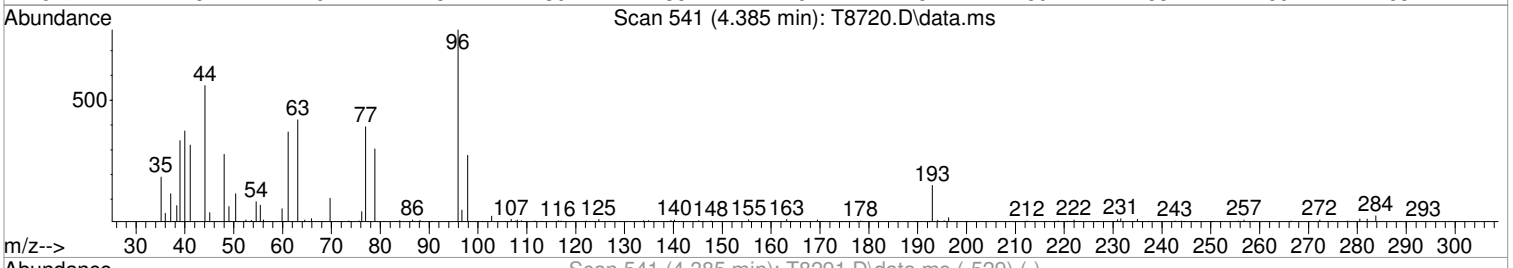
1st FN 09/08/21
2nd 09/08/21

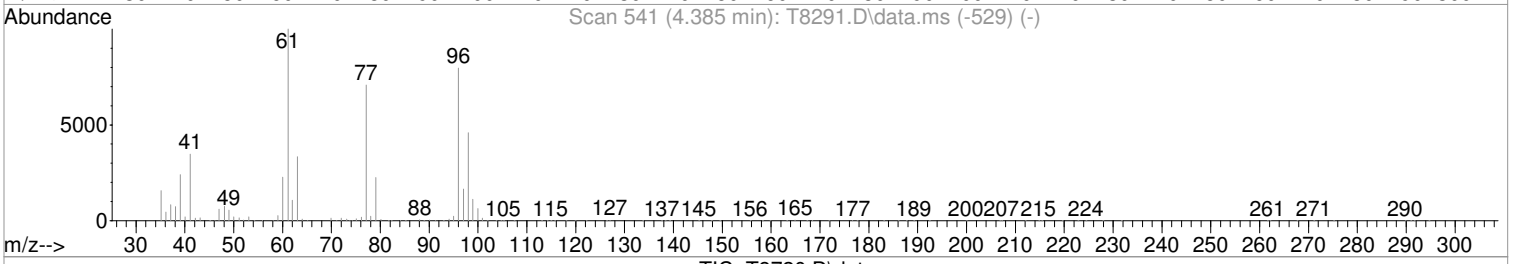
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

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

4.385min (+0.006) 0.55 ug/L m

response 1389

Ion	Exp%	Act%
96.00	100	100
61.10	125.60	47.45#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

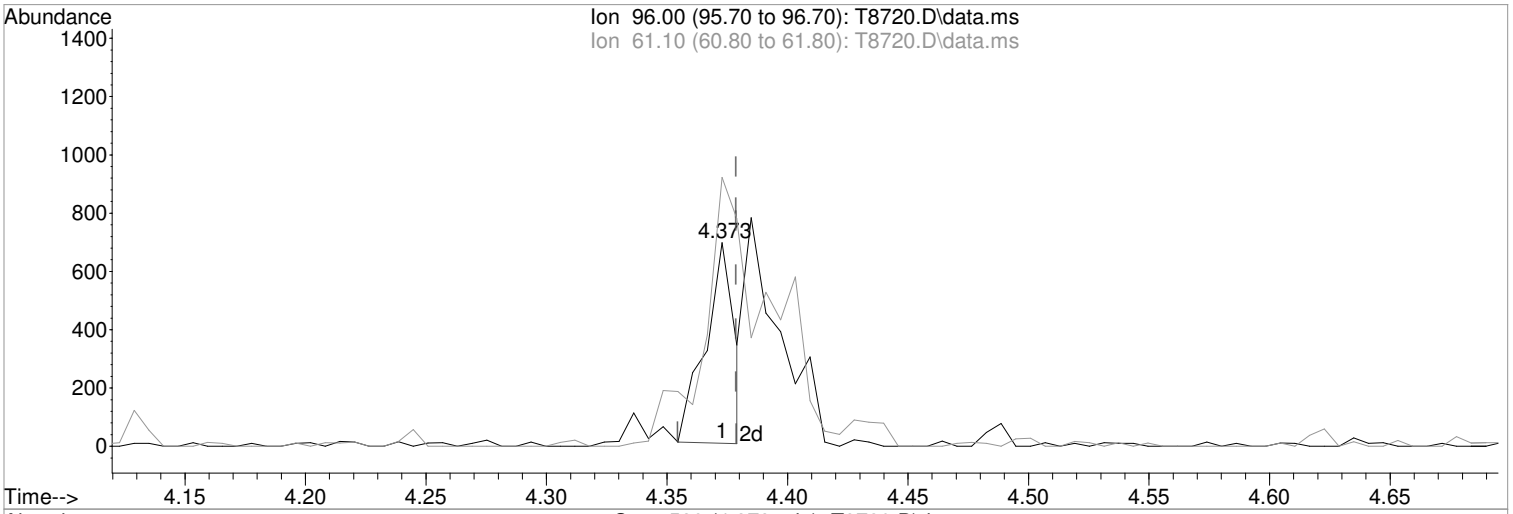
Poor integration.

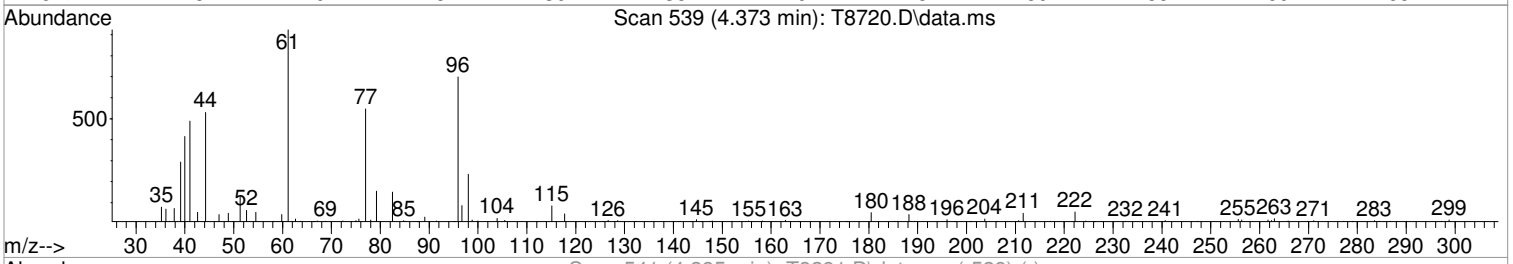
09/08/21

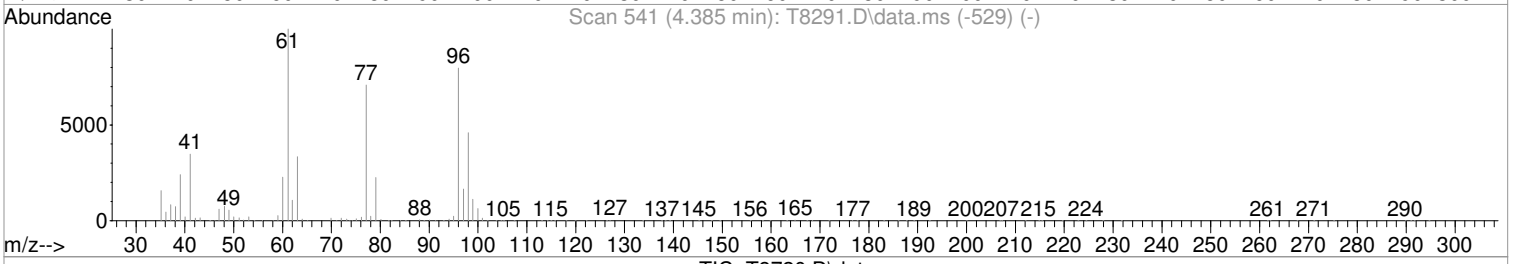
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

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

4.373min (-0.006) 0.23 ug/L

response 579

Ion	Exp%	Act%
96.00	100	100
61.10	125.60	117.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

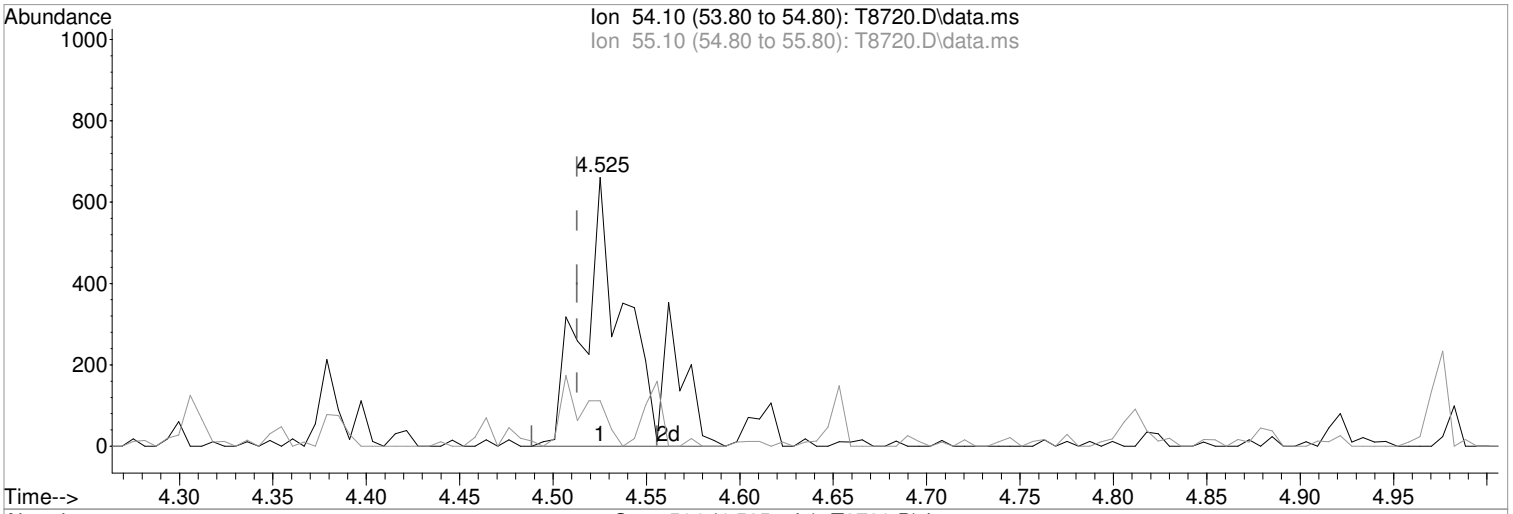
Before

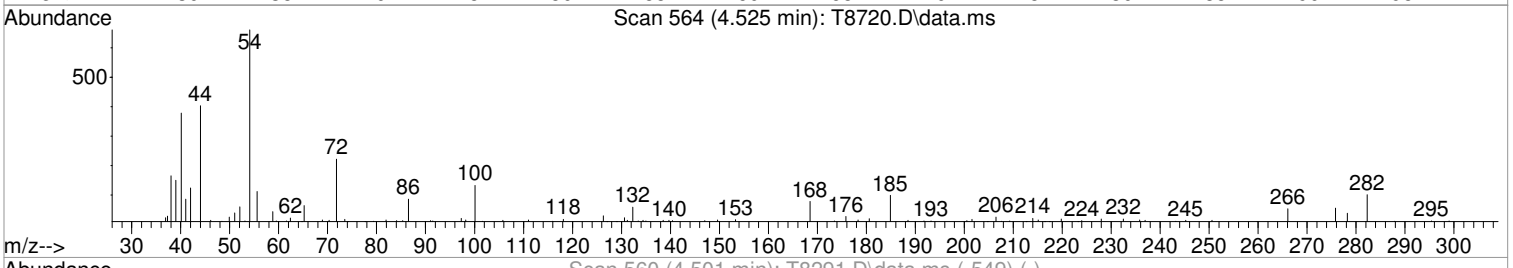
09/08/21

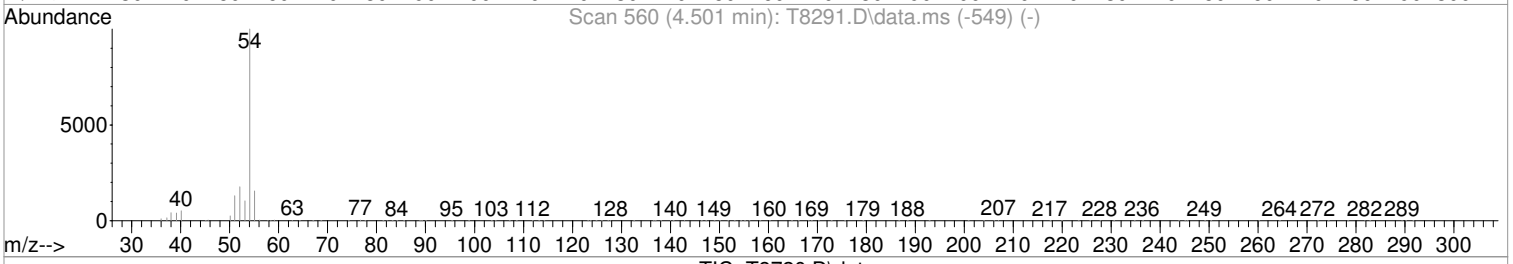
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(35) Propionitrile

4.525min (+0.012) 1.99 ug/L m

response 1246

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	16.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

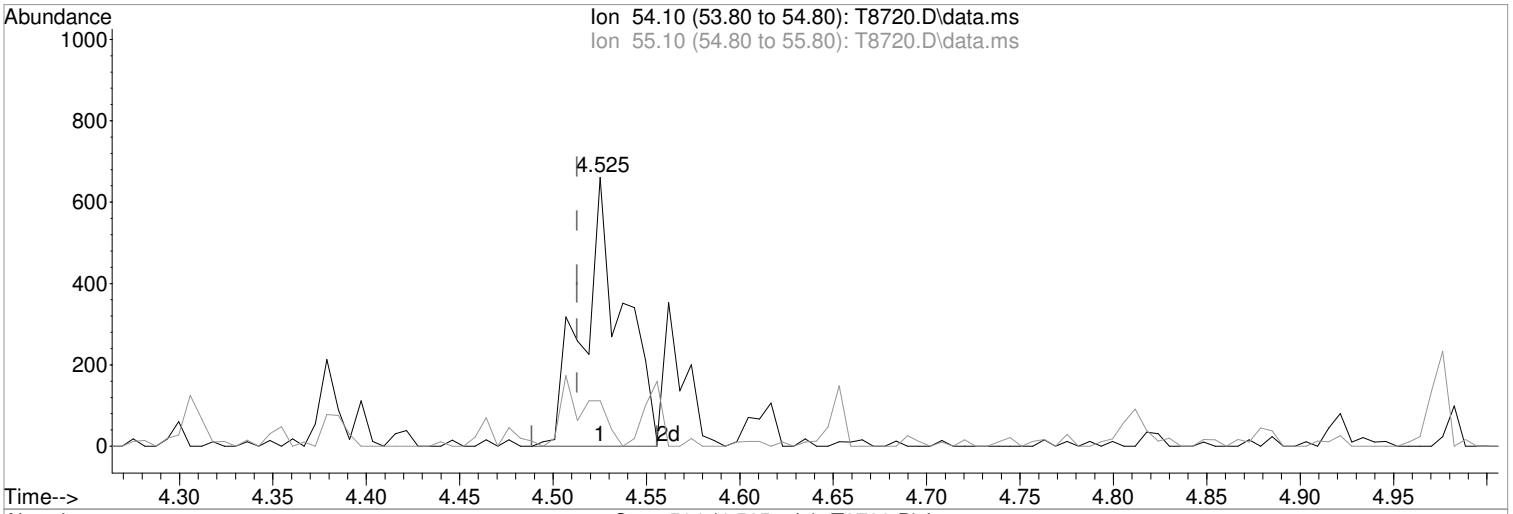
Poor integration.

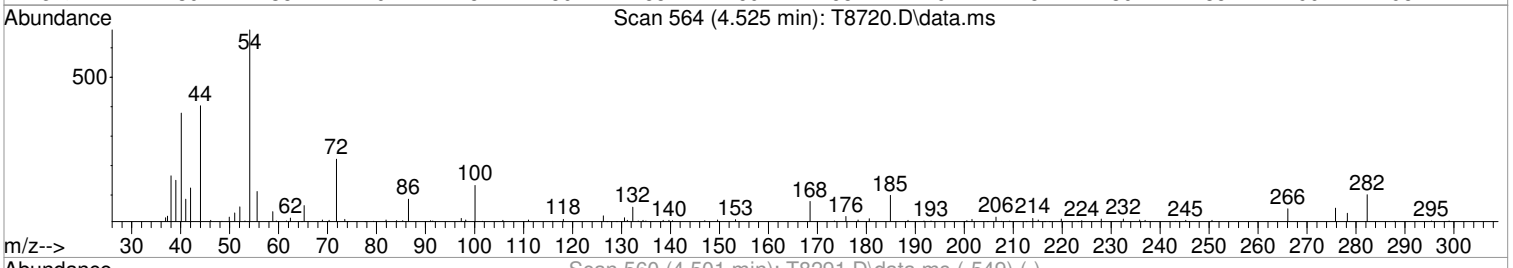
09/08/21

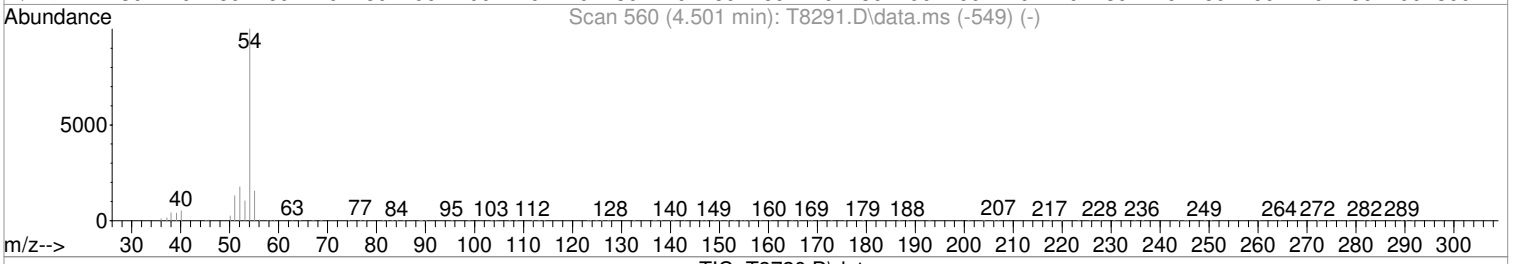
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(35) Propionitrile

4.525min (+0.012) 1.56 ug/L

response 979

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	16.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

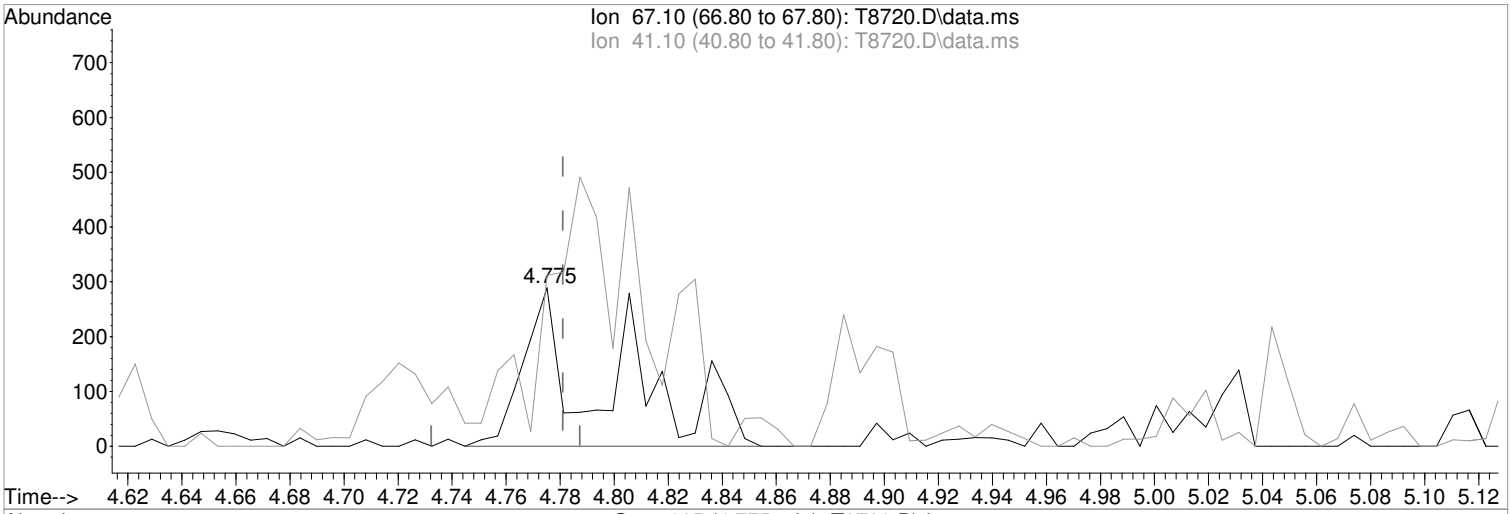
09/08/21

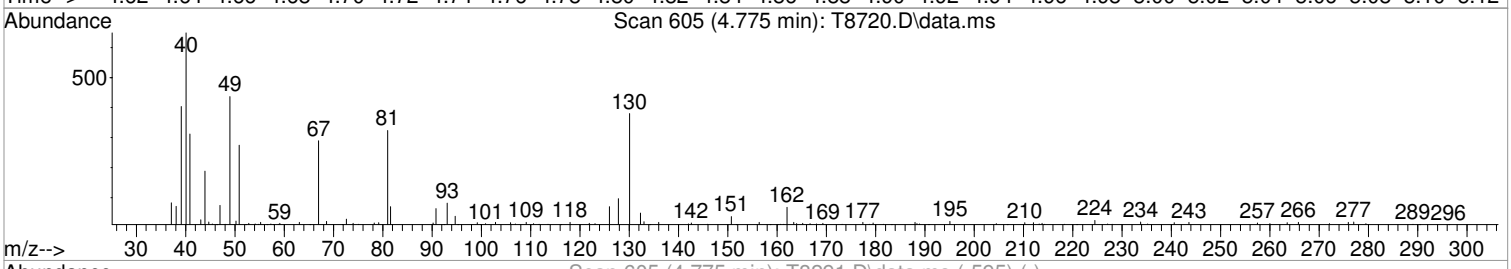
1st FN 09/08/21
2nd 09/08/21

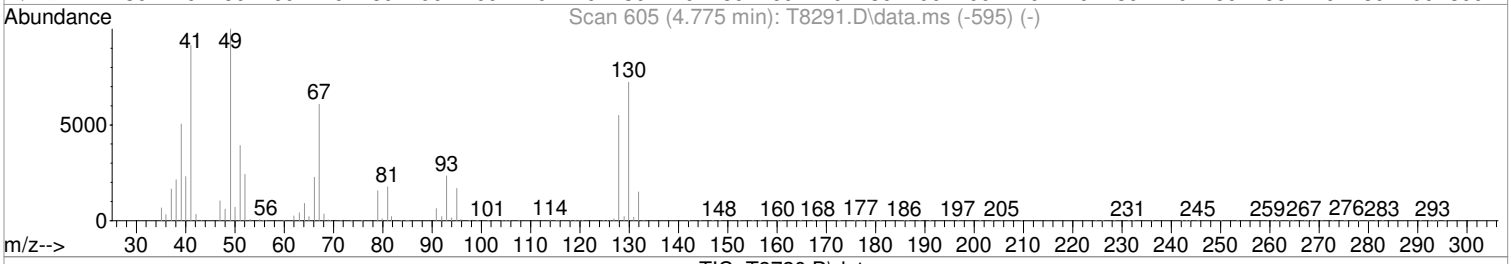
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(37) Methacrylonitrile

4.775min (-0.006) 0.42 ug/L m

response 609

Ion	Exp%	Act%
67.10	100	100
41.10	151.00	107.96#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

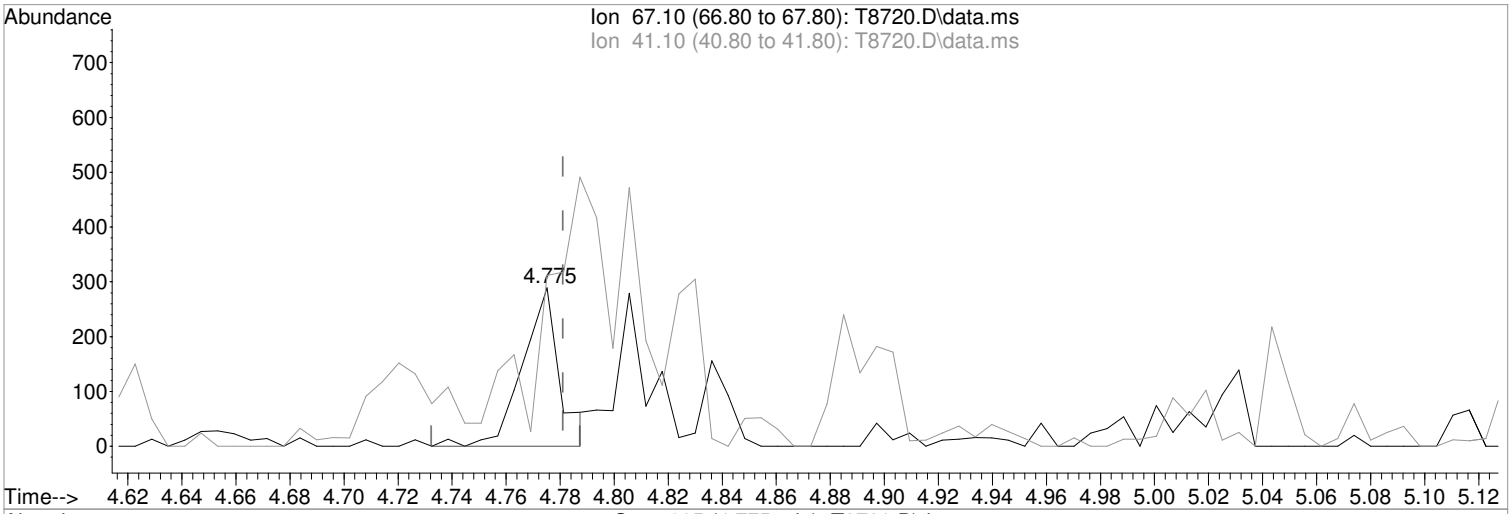
09/08/21

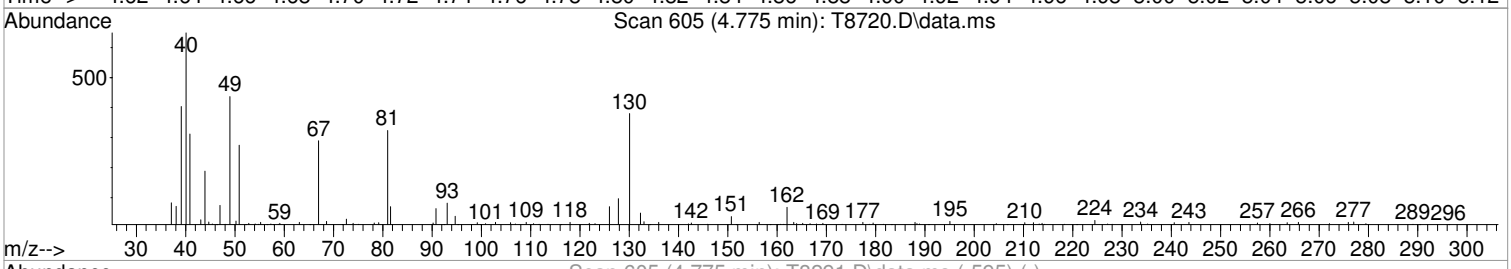
1st FW 09/08/21
2nd 09/08/21

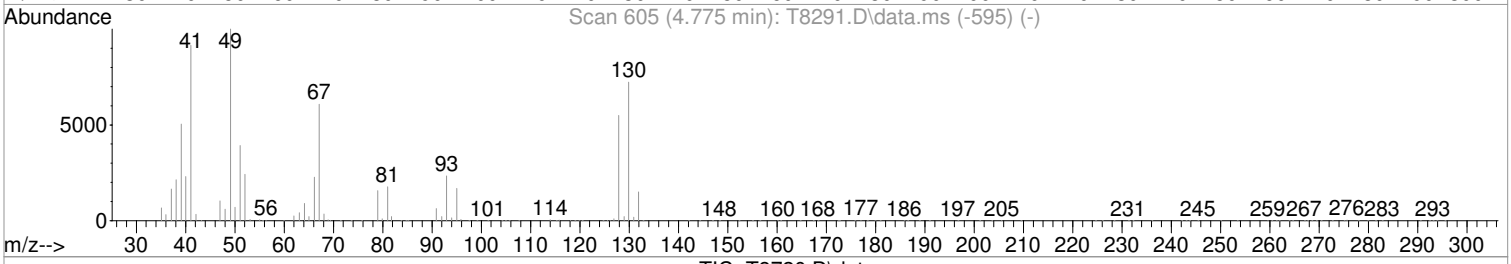
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(37) Methacrylonitrile

4.775min (-0.006) 0.19 ug/L

response 276

Ion	Exp%	Act%
67.10	100	100
41.10	151.00	107.96#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

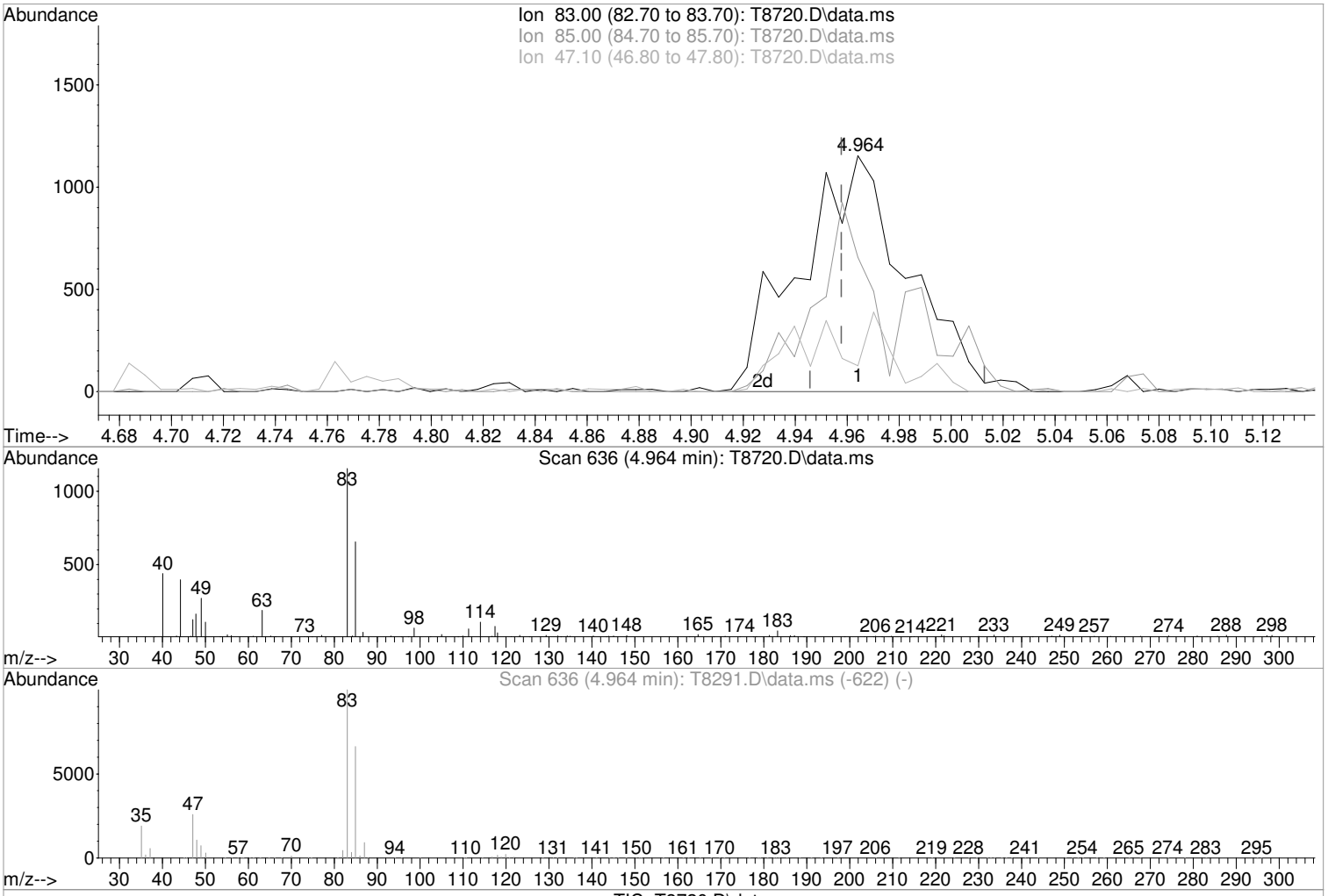
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(39) Chloroform (P)

4.964min (+0.006) 0.74 ug/L m

response 3328

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	56.85
47.10	25.90	14.21
0.00	0.00	0.00

Manual Integration:

After

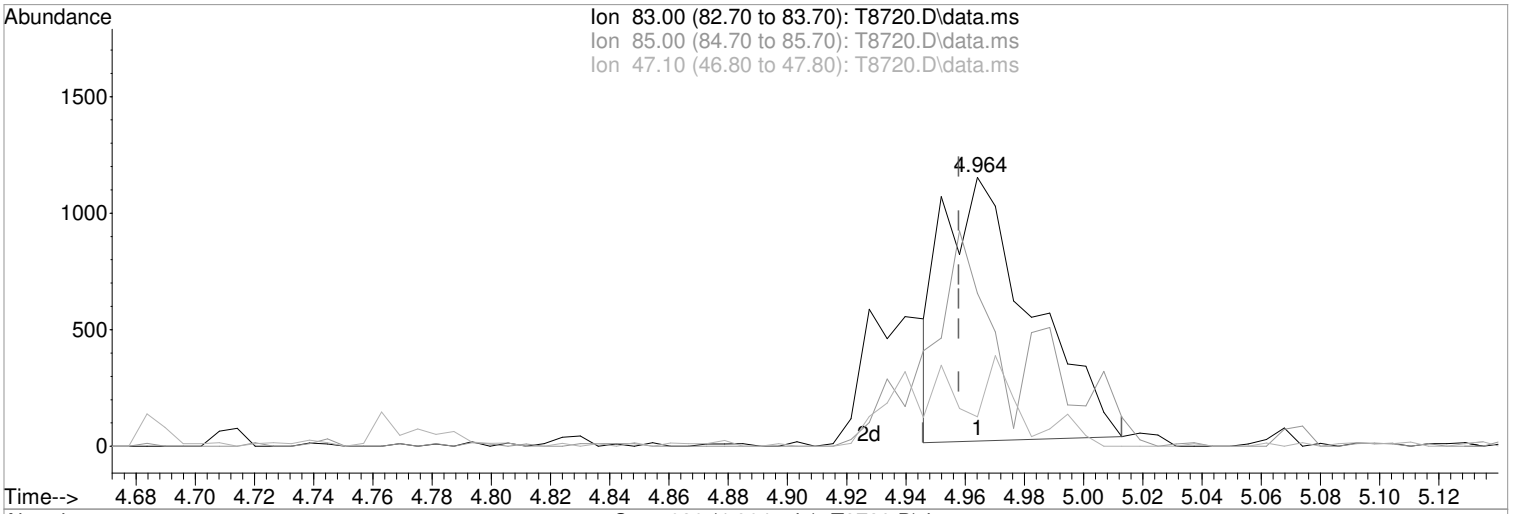
Poor integration.

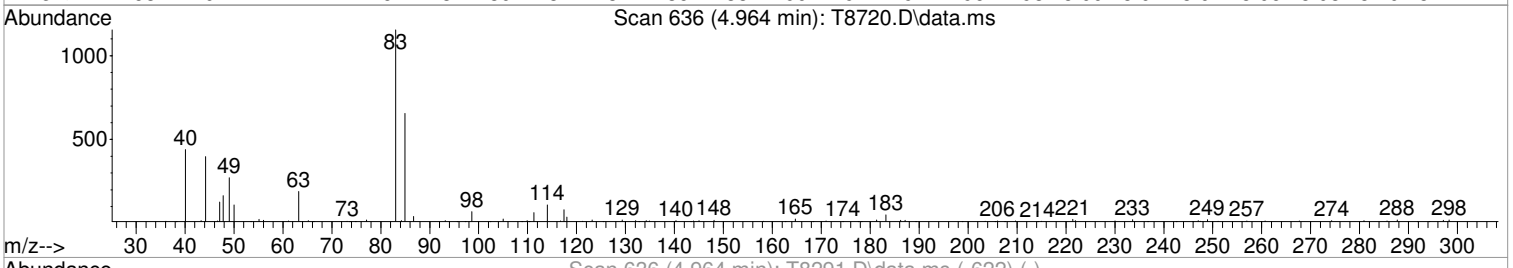
09/08/21

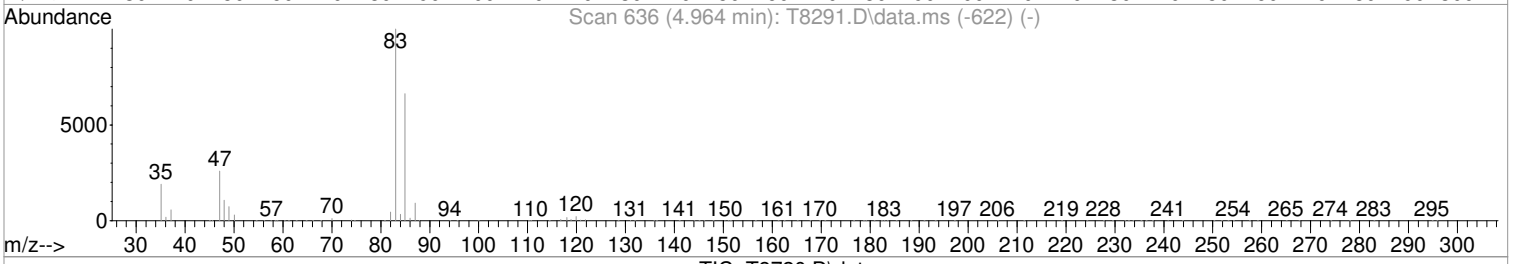
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(39) Chloroform (P)

4.964min (+0.006) 0.52 ug/L

response 2340

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	56.85
47.10	25.90	25.13
0.00	0.00	0.00

Manual Integration:

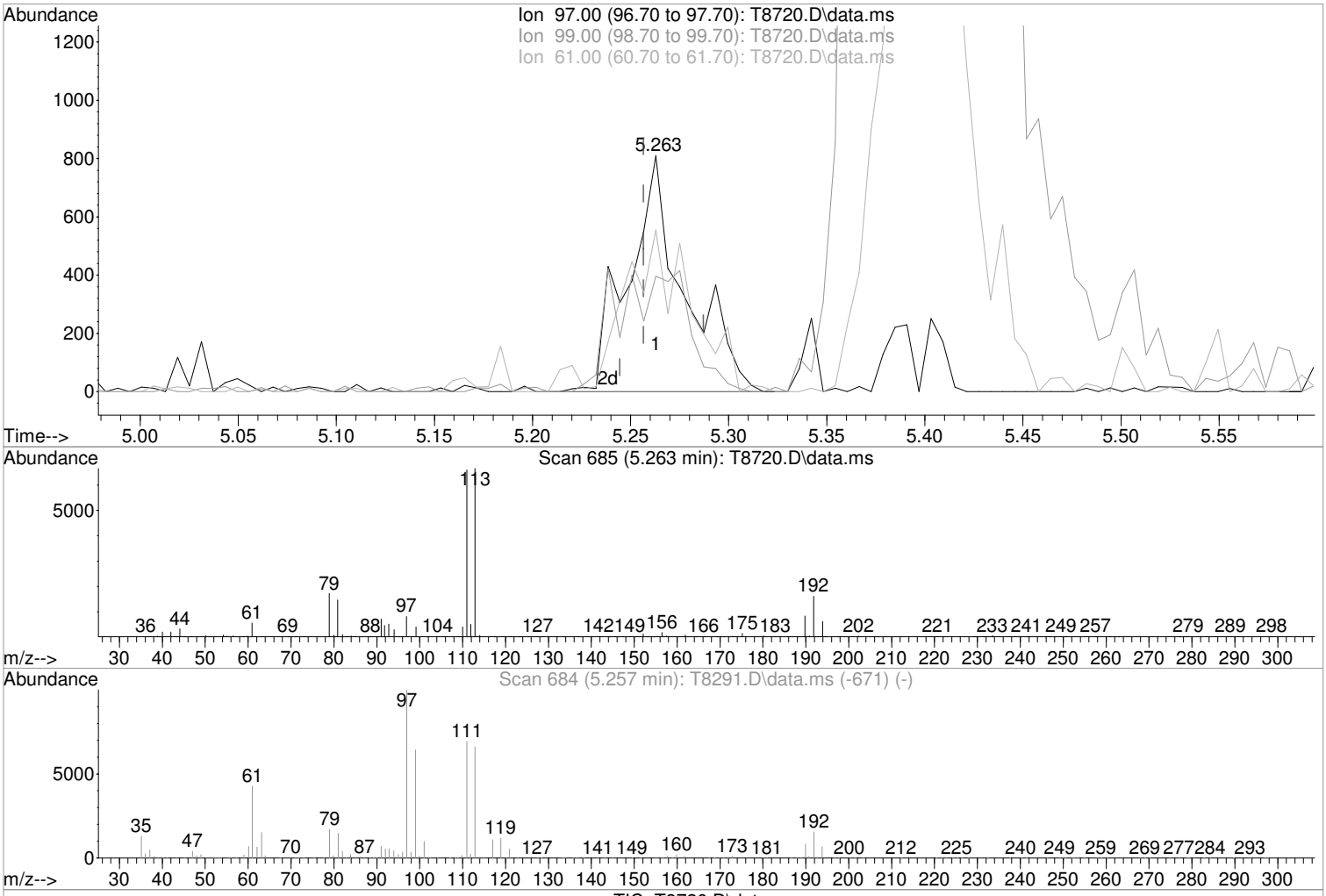
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

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

5.263min (+0.006) 0.50 ug/L m

response 1607

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	48.89
61.00	42.80	68.52#
0.00	0.00	0.00

Manual Integration:

After

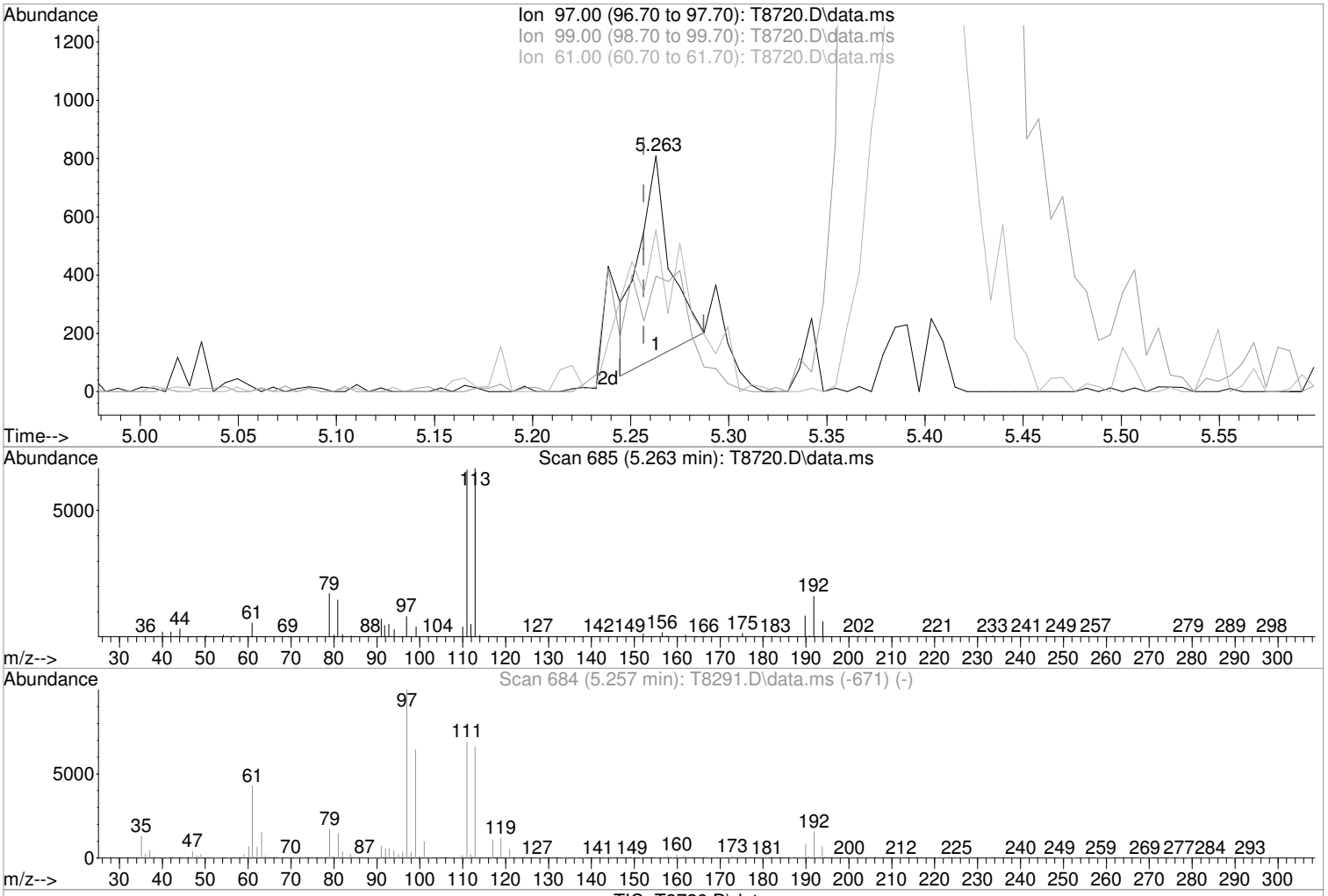
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

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

5.263min (+0.006) 0.24 ug/L

response 771

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	48.89
61.00	42.80	68.52#
0.00	0.00	0.00

Manual Integration:

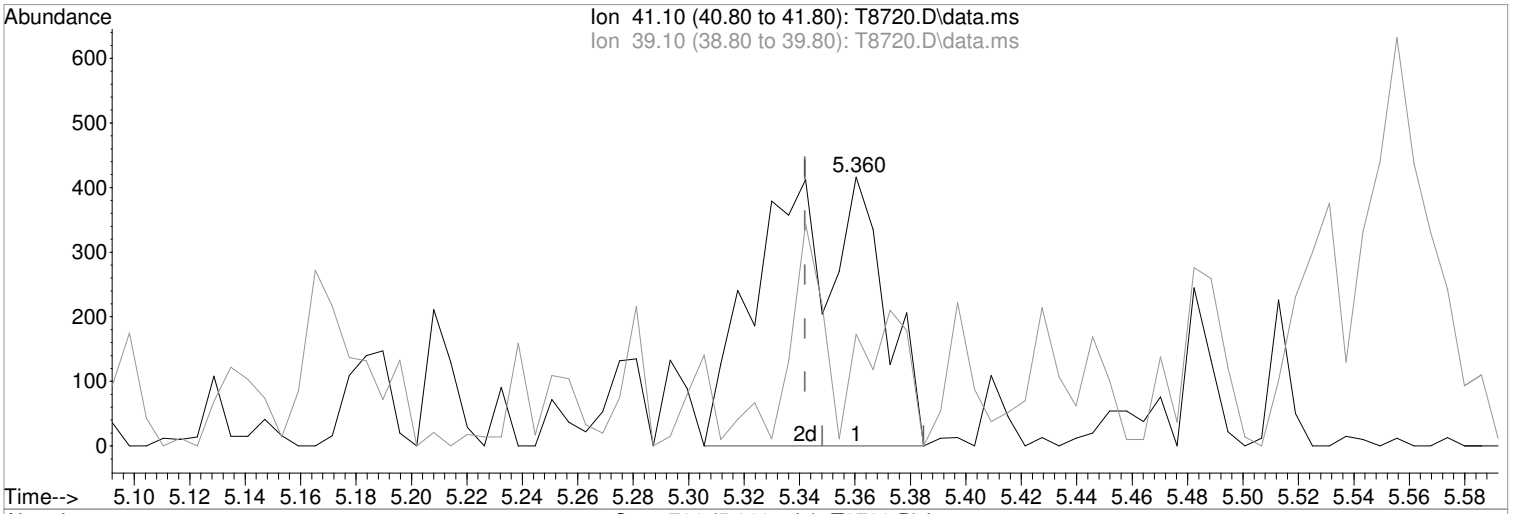
Before

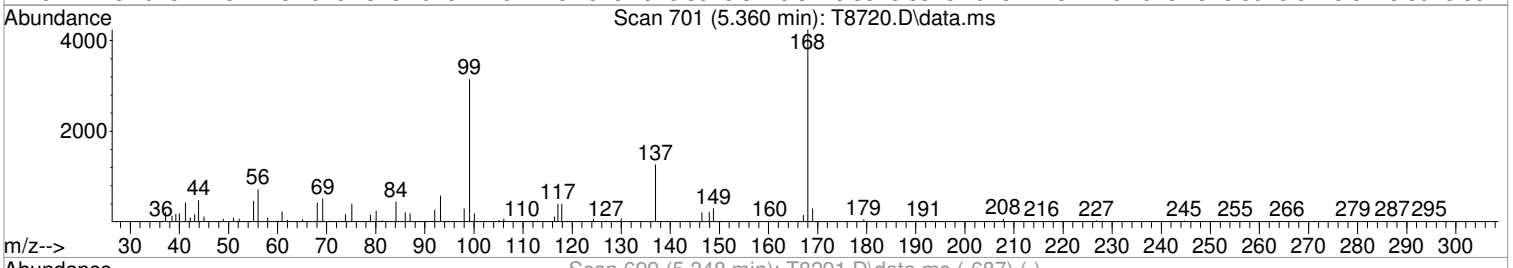
09/08/21

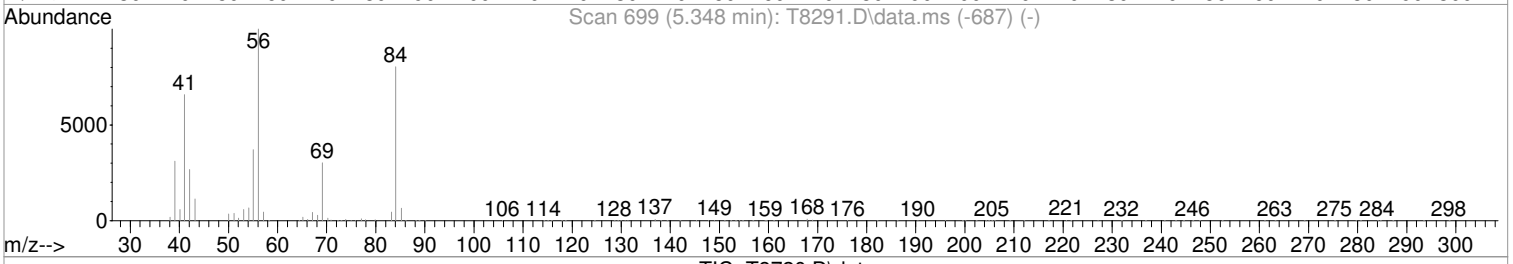
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(42) Cyclohexane (P)

5.360min (+0.018) 0.47 ug/L m

response 1192

Ion	Exp%	Act%
41.10	100	100
39.10	47.40	41.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

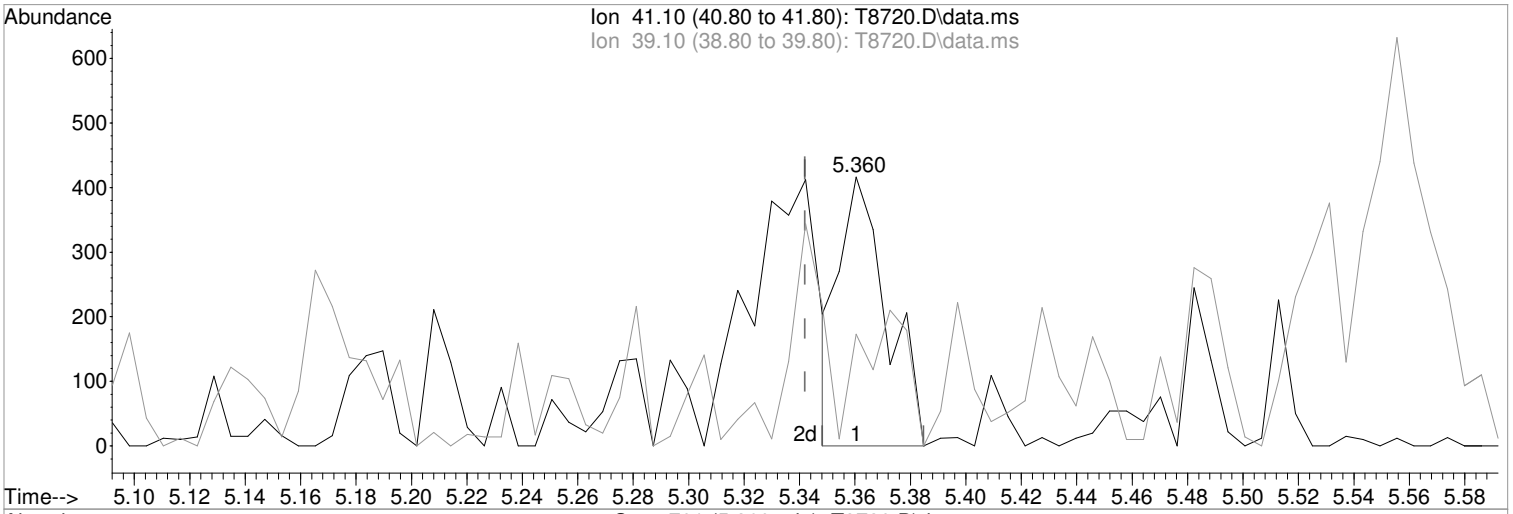
Poor integration.

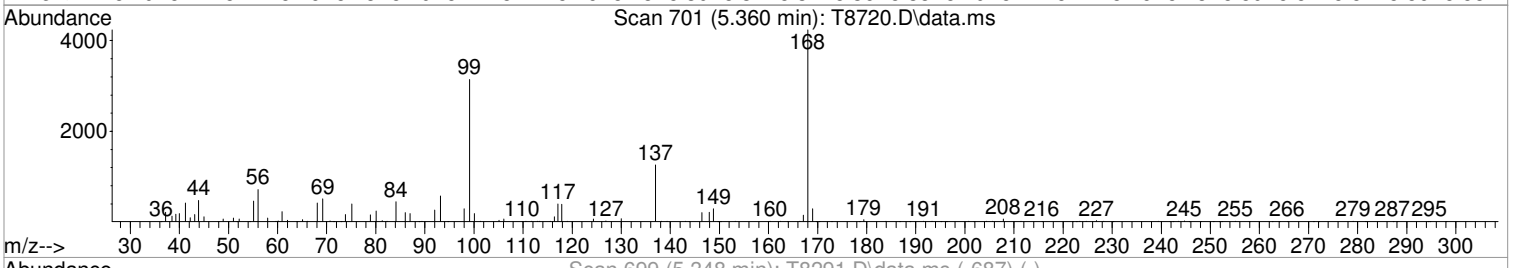
09/08/21

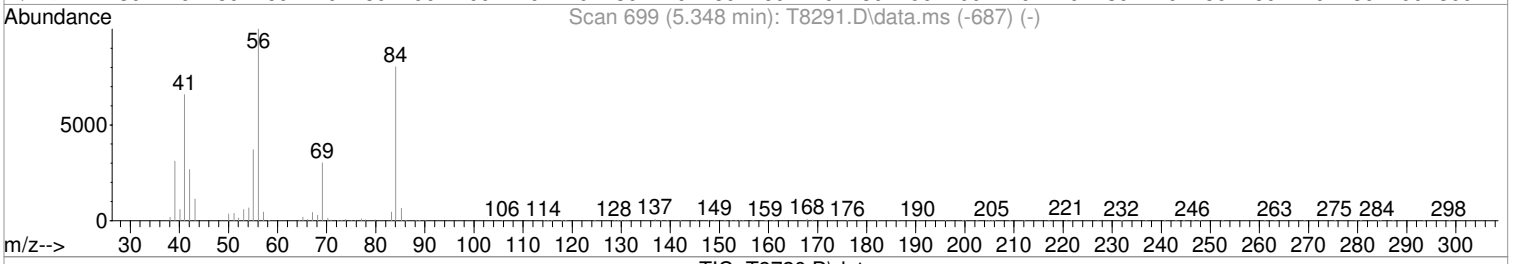
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(42) Cyclohexane (P)

5.360min (+0.018) 0.20 ug/L

response 495

Ion	Exp%	Act%
41.10	100	100
39.10	47.40	41.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

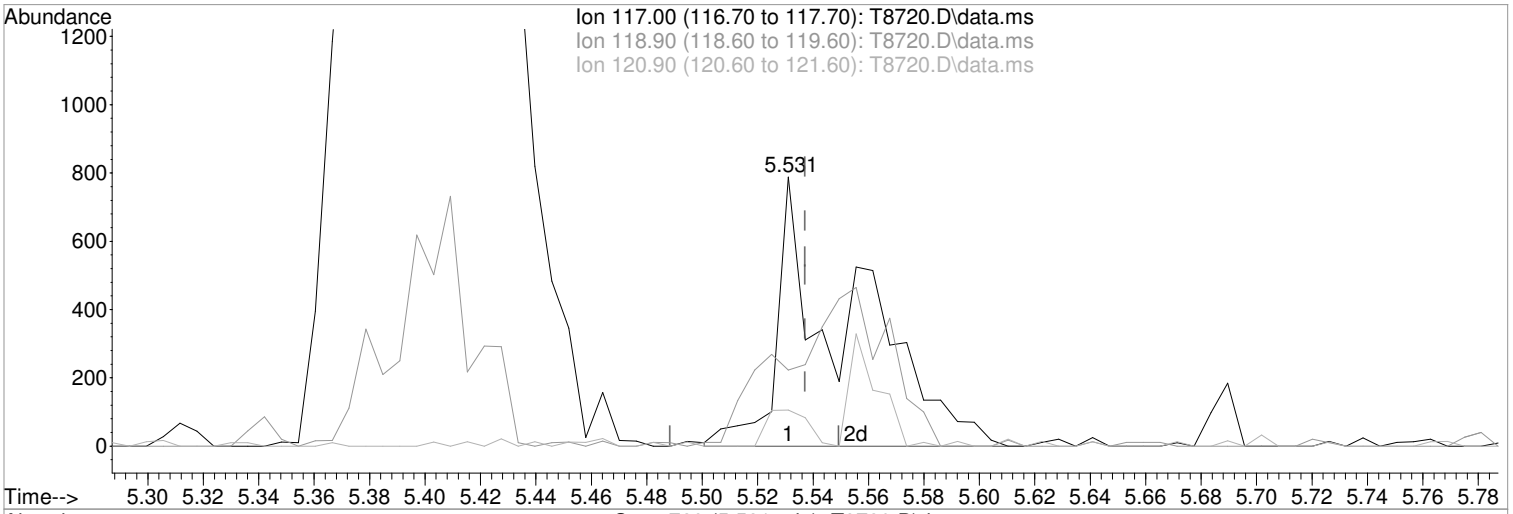
Before

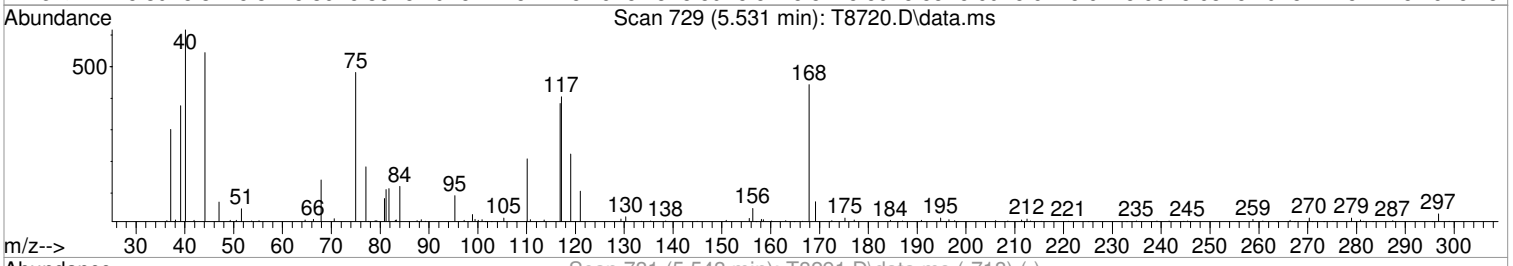
09/08/21

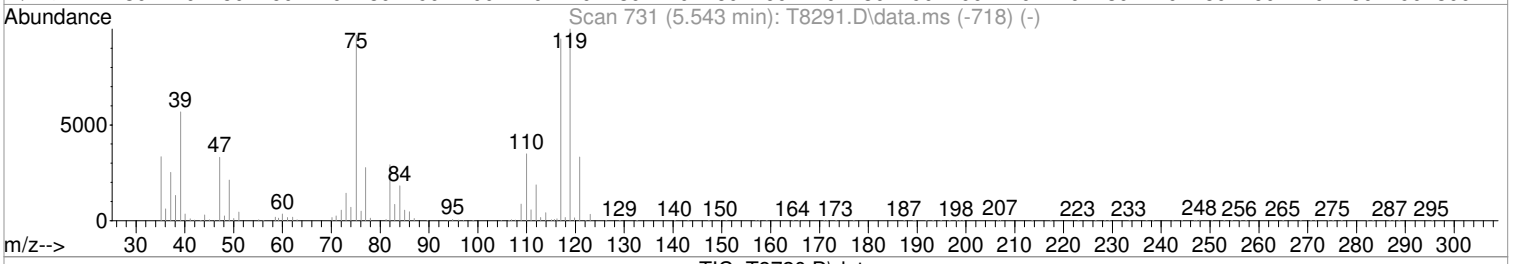
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(44) Carbontetrachloride (P)

5.531min (-0.006) 0.53 ug/L m

response 1455

Ion	Exp%	Act%
117.00	100	100
118.90	105.20	55.06#
120.90	35.00	26.17
0.00	0.00	0.00

Manual Integration:

After

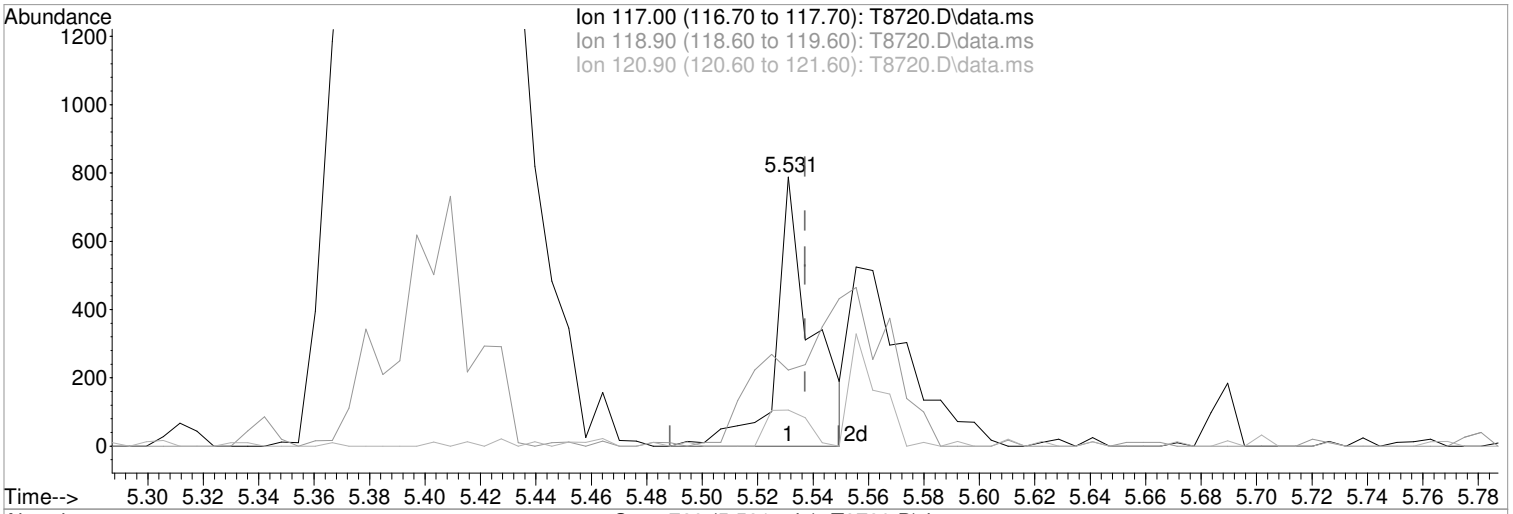
Poor integration.

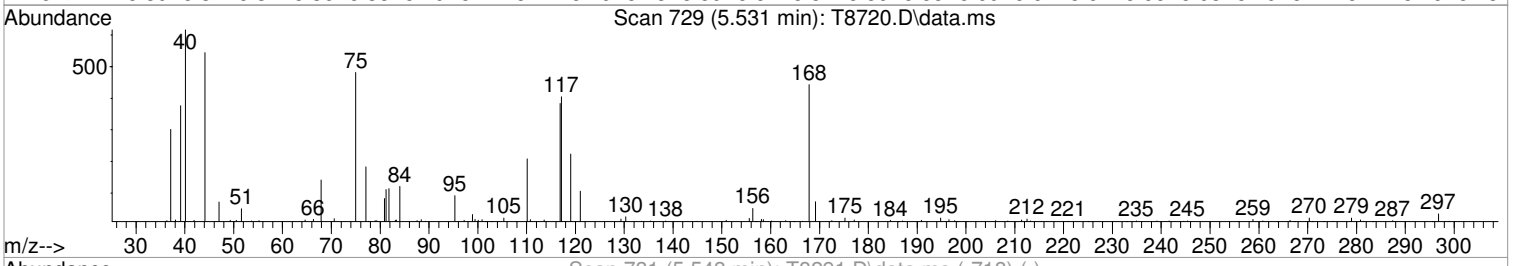
09/08/21

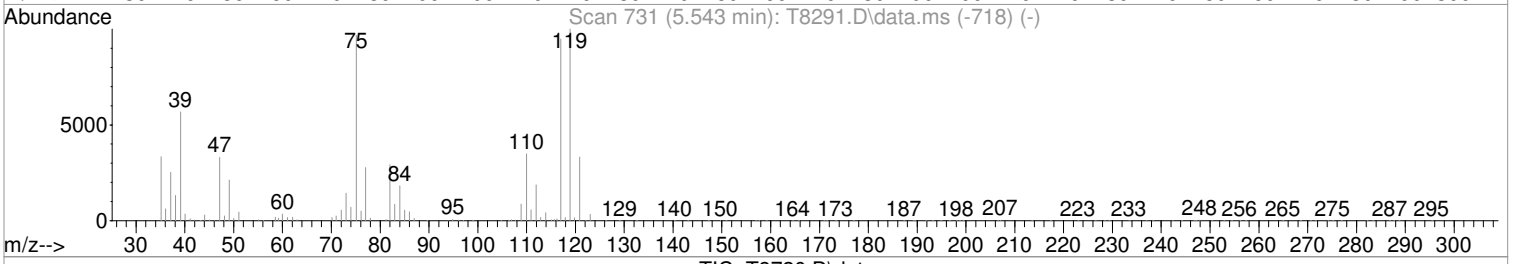
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(44) Carbontetrachloride (P)

5.531min (-0.006) 0.26 ug/L

response 707

Ion	Exp%	Act%
117.00	100	100
118.90	105.20	28.30#
120.90	35.00	13.45#
0.00	0.00	0.00

Manual Integration:

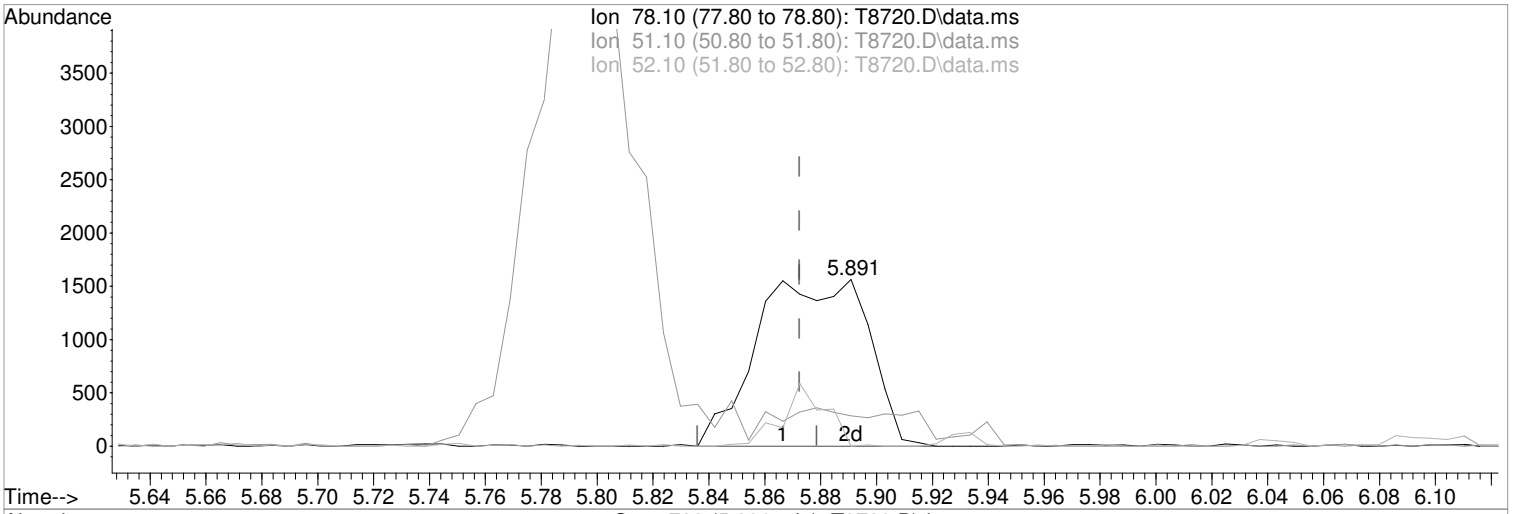
Before

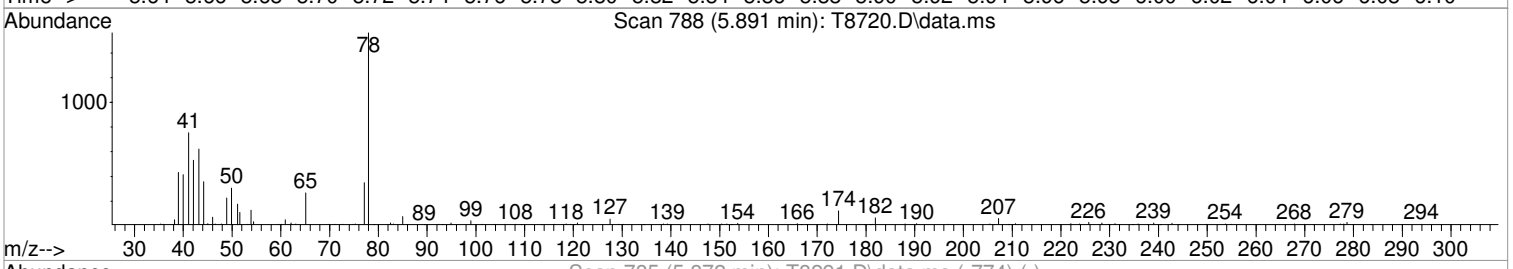
09/08/21

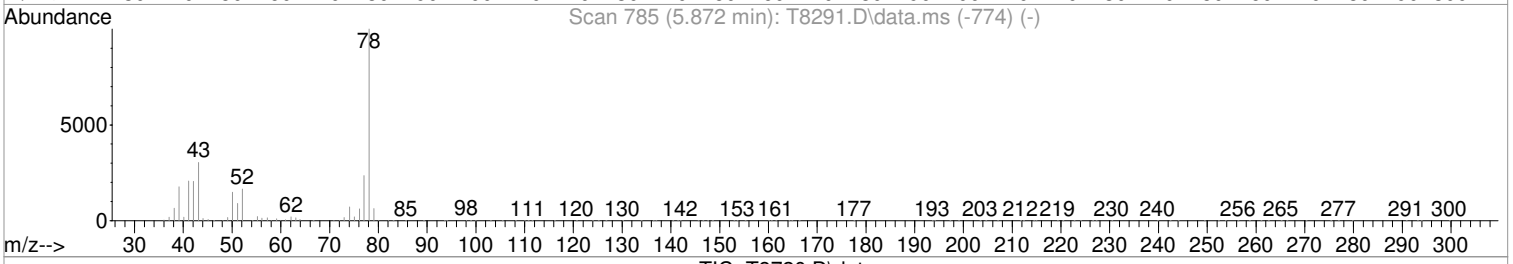
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(47) Benzene (P)

5.891min (+0.018) 0.46 ug/L m

response 4317

Ion	Exp%	Act%
78.10	100	100
51.10	17.70	11.20
52.10	16.70	0.00
0.00	0.00	0.00

Manual Integration:

After

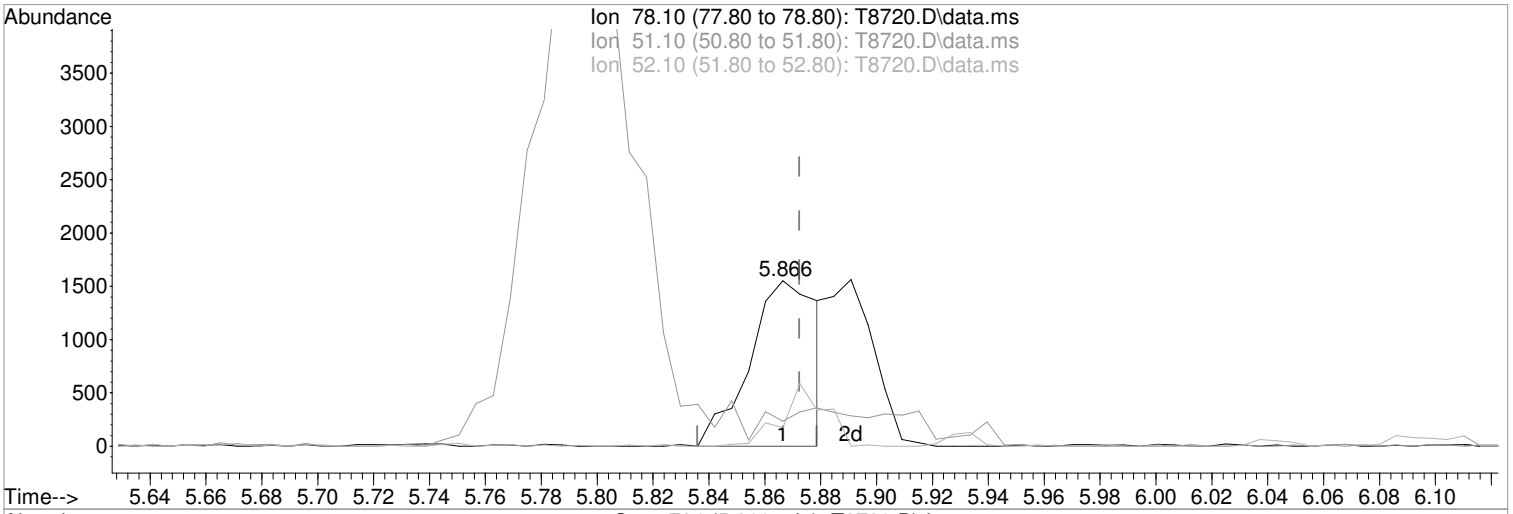
Poor integration.

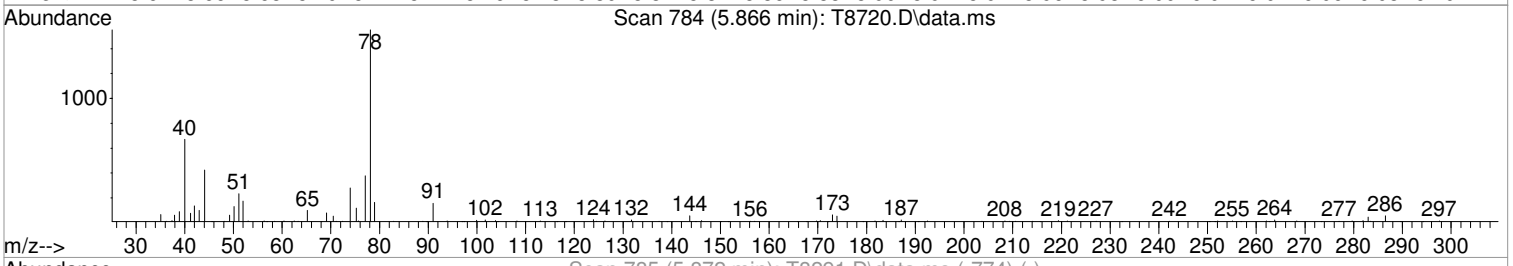
09/08/21

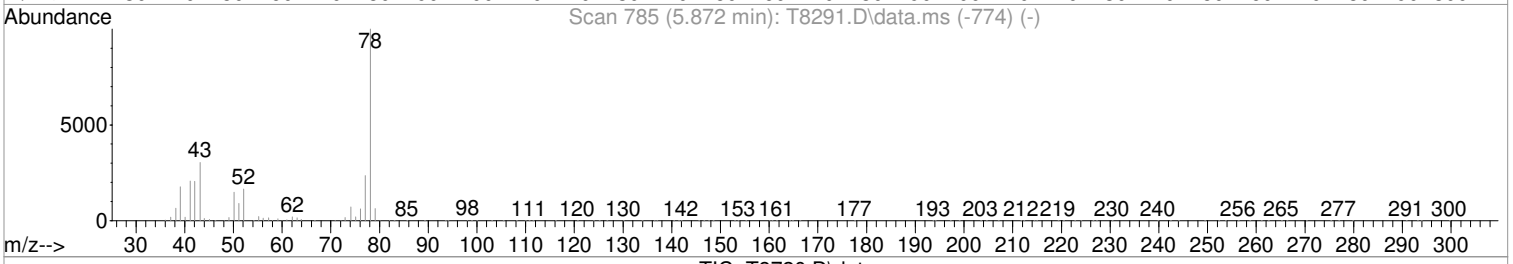
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(47) Benzene (P)

5.866min (-0.006) 0.27 ug/L

response 2582

Ion	Exp%	Act%
78.10	100	100
51.10	17.70	15.15
52.10	16.70	11.28
0.00	0.00	0.00

Manual Integration:

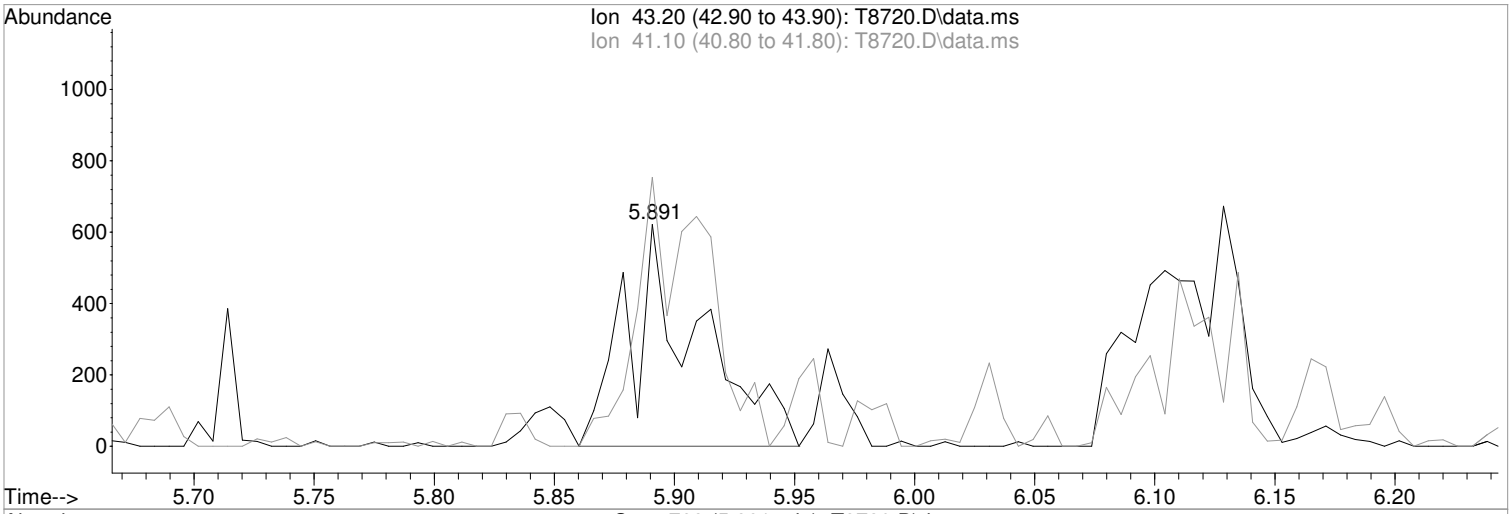
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(49) Iso-Butyl Alcohol

5.891min (-0.012) 5.23 ug/L m

response 1294

Ion	Exp%	Act%
43.20	100	100
41.10	67.30	121.22#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

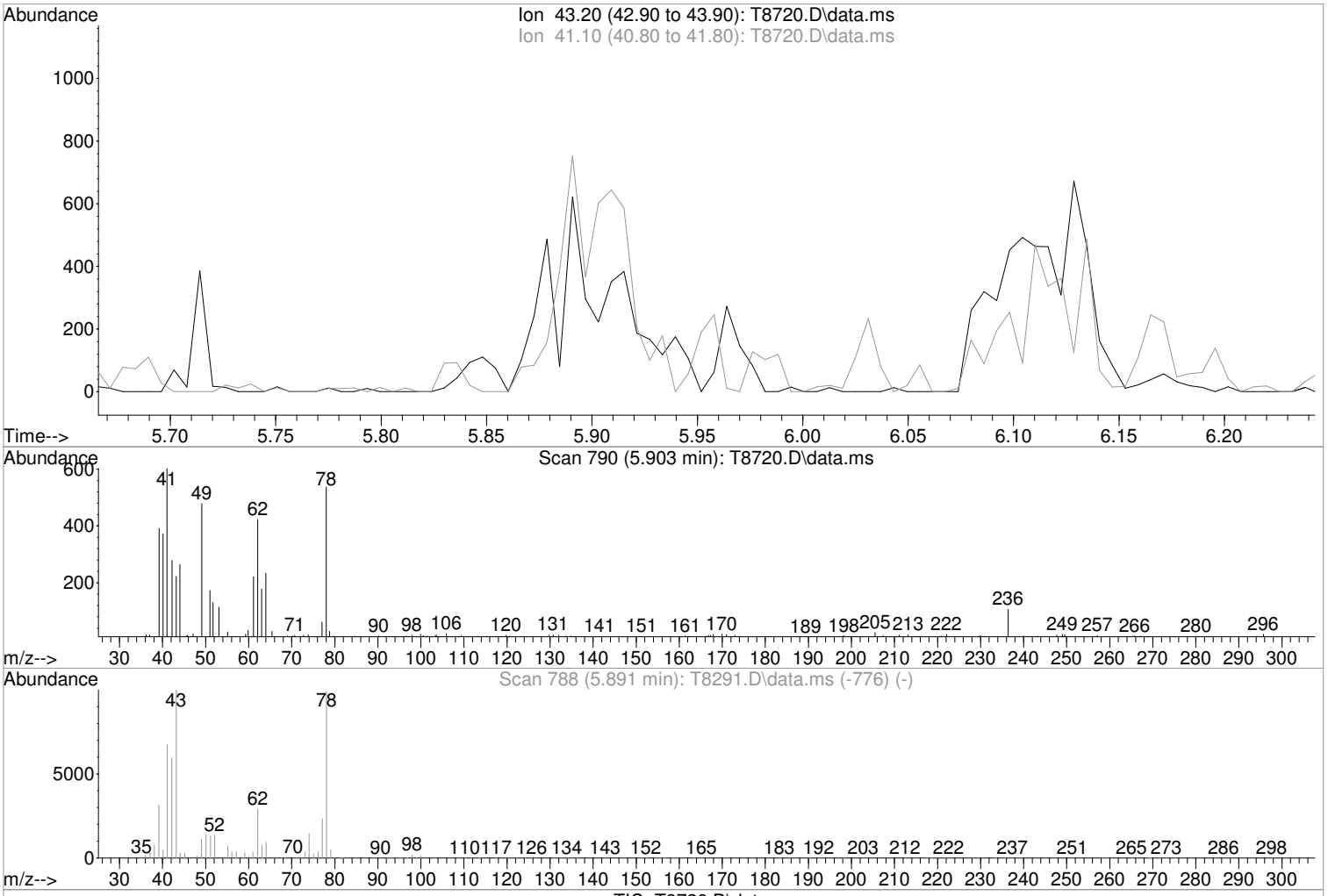
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(49) Iso-Butyl Alcohol

5.903min (-5.903) 0.00 ug/L

response 0

Ion	Exp%	Act%
43.20	100	0.00
41.10	67.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

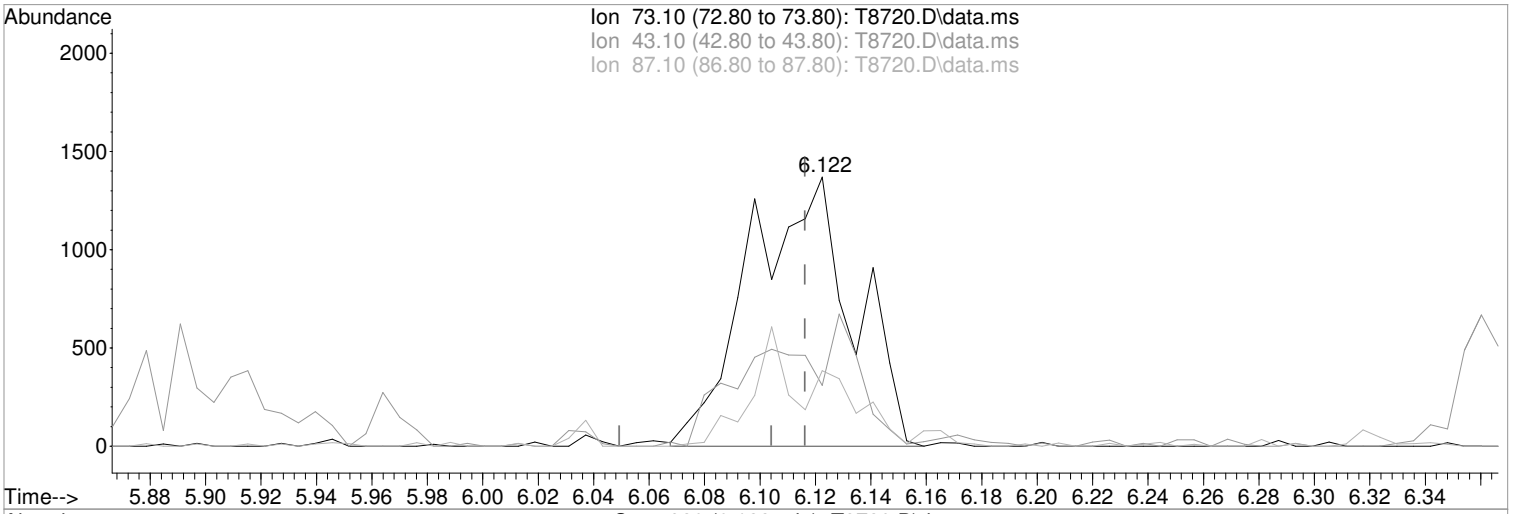
Before

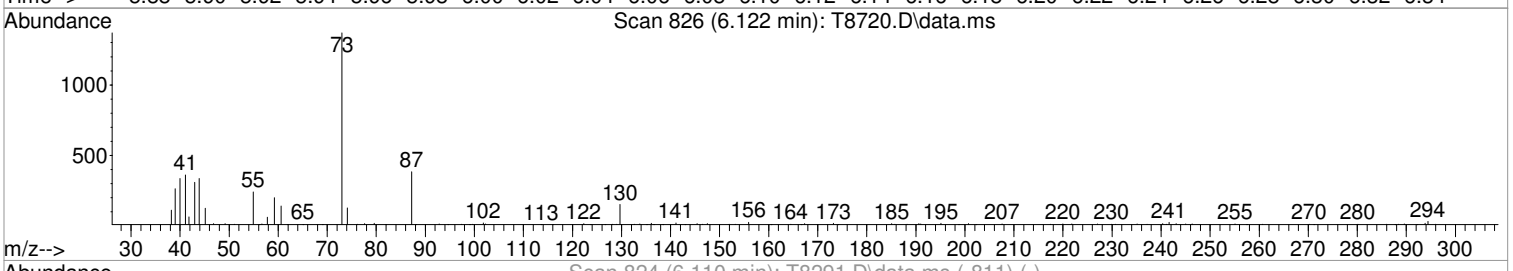
09/08/21

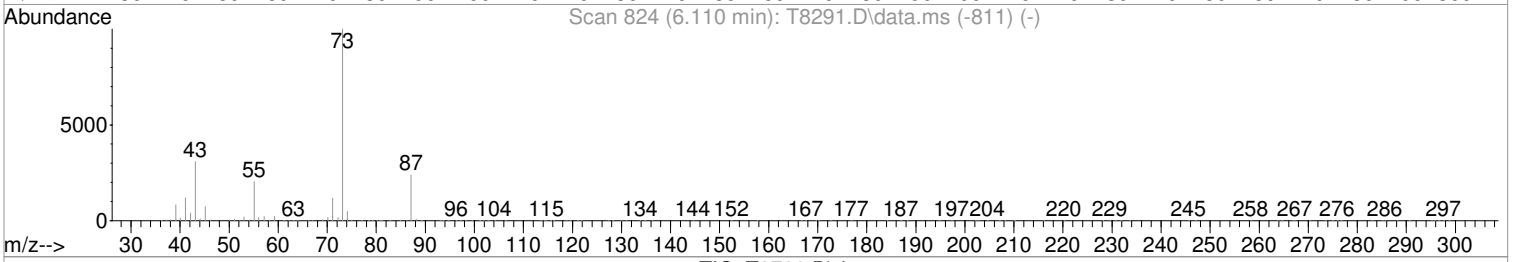
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(50) TAME

6.122min (+0.006) 0.46 ug/L m

response 3569

Ion	Exp%	Act%
73.10	100	100
43.10	31.40	22.57
87.10	23.90	28.12
0.00	0.00	0.00

Manual Integration:

After

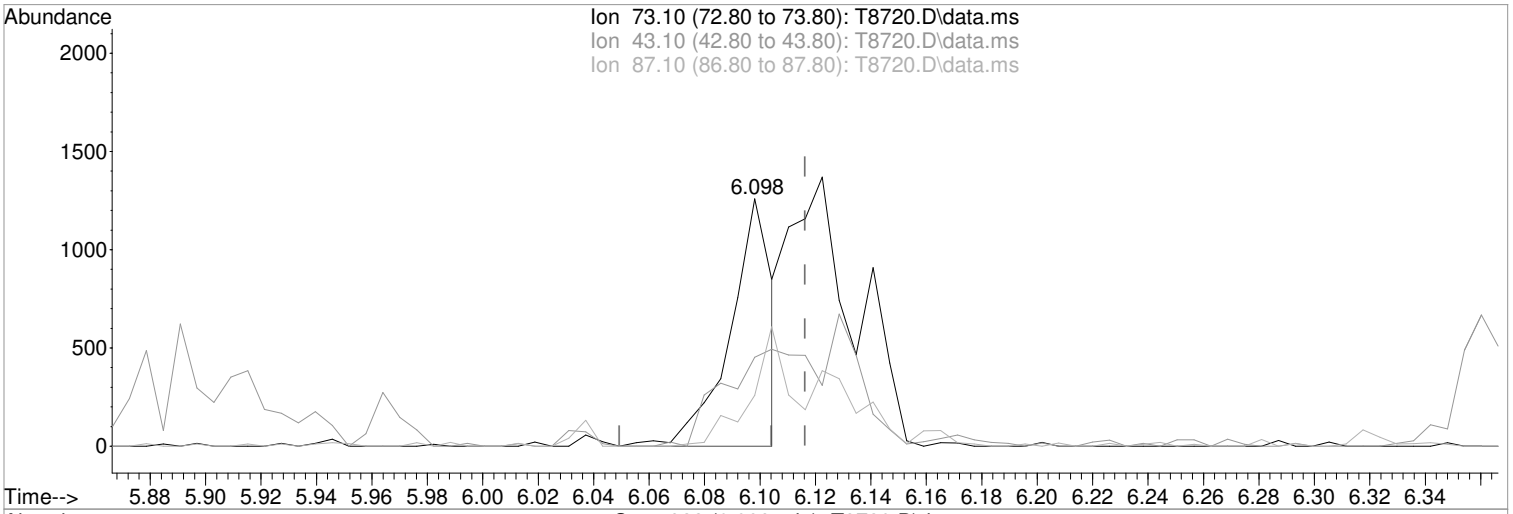
Poor integration.

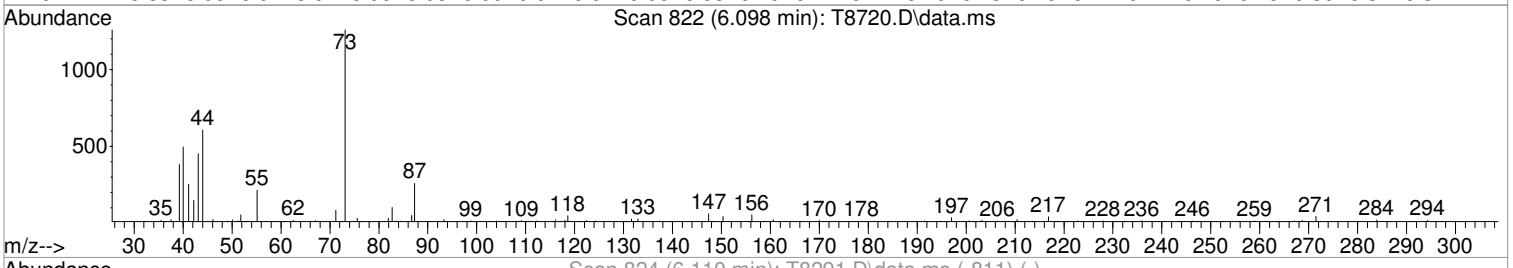
09/08/21

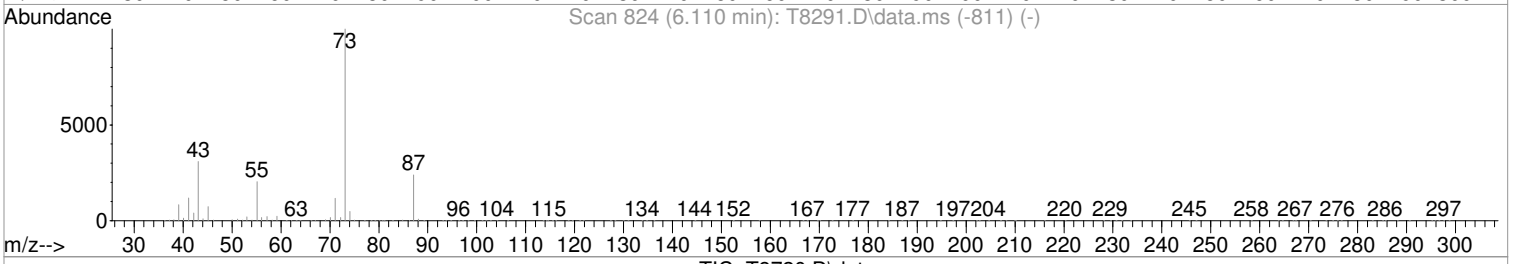
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(50) TAME

6.098min (-0.018) 0.17 ug/L

response 1321

Ion	Exp%	Act%
73.10	100	100
43.10	31.40	35.90
87.10	23.90	20.57
0.00	0.00	0.00

Manual Integration:

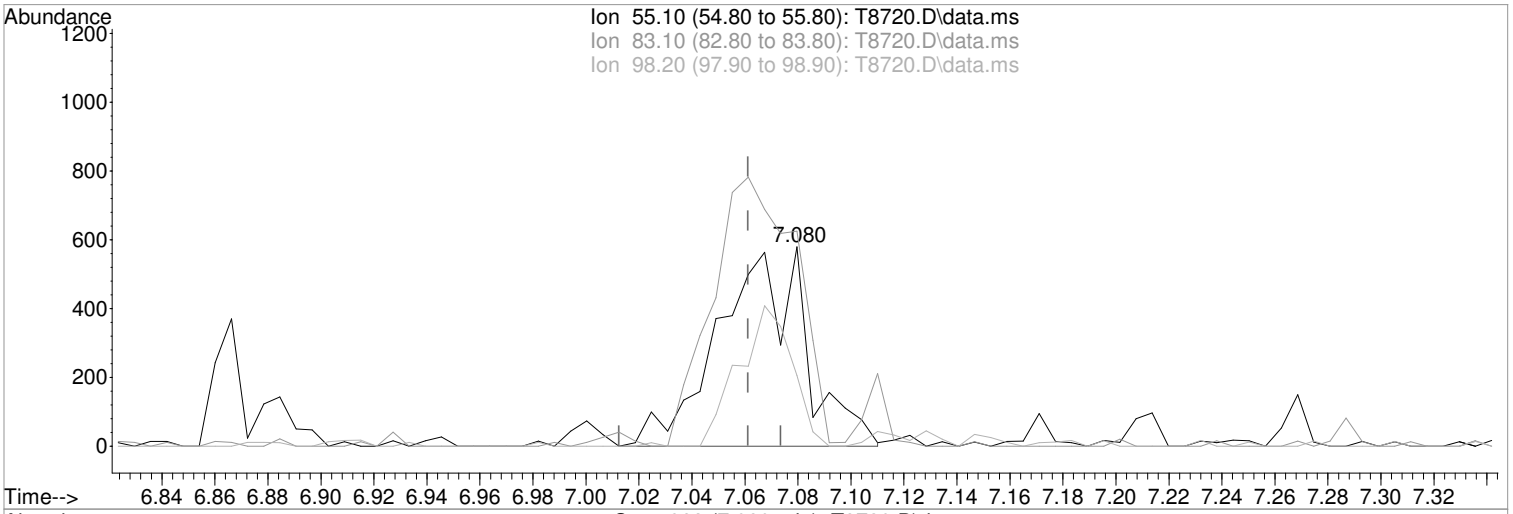
Before

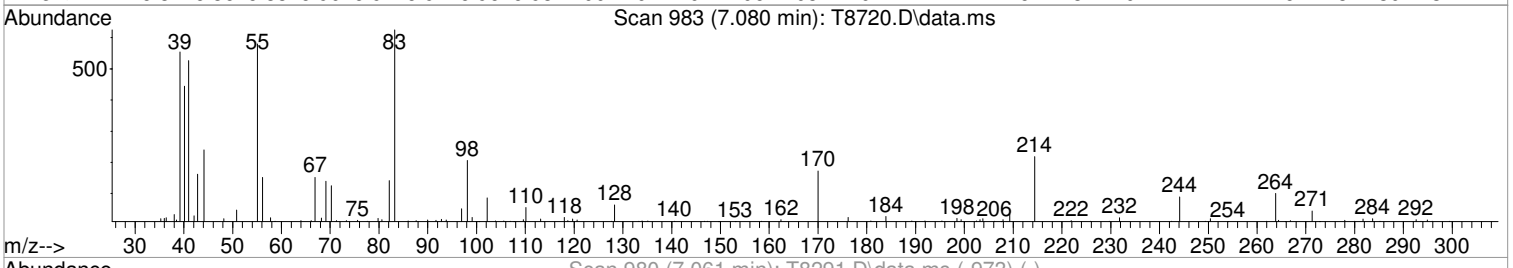
09/08/21

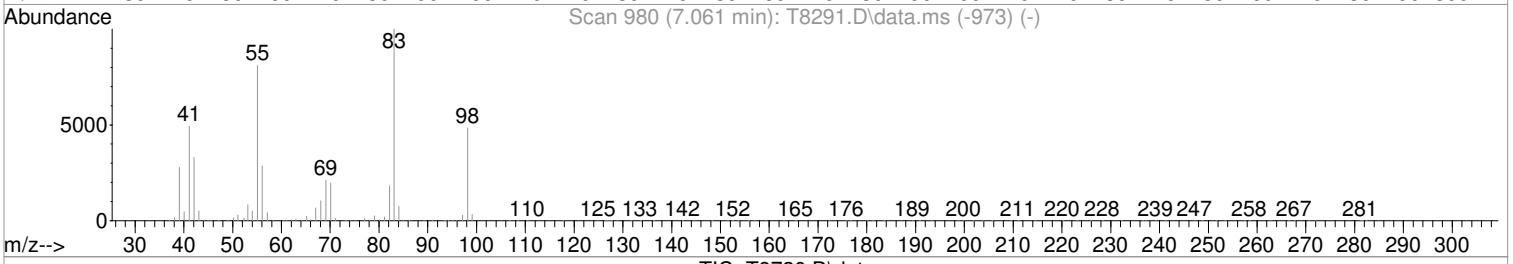
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(54) Methylcyclohexane (P)

7.080min (+0.018) 0.46 ug/L m

response 1307

Ion	Exp%	Act%
55.10	100	100
83.10	123.30	107.76
98.20	59.90	35.52#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

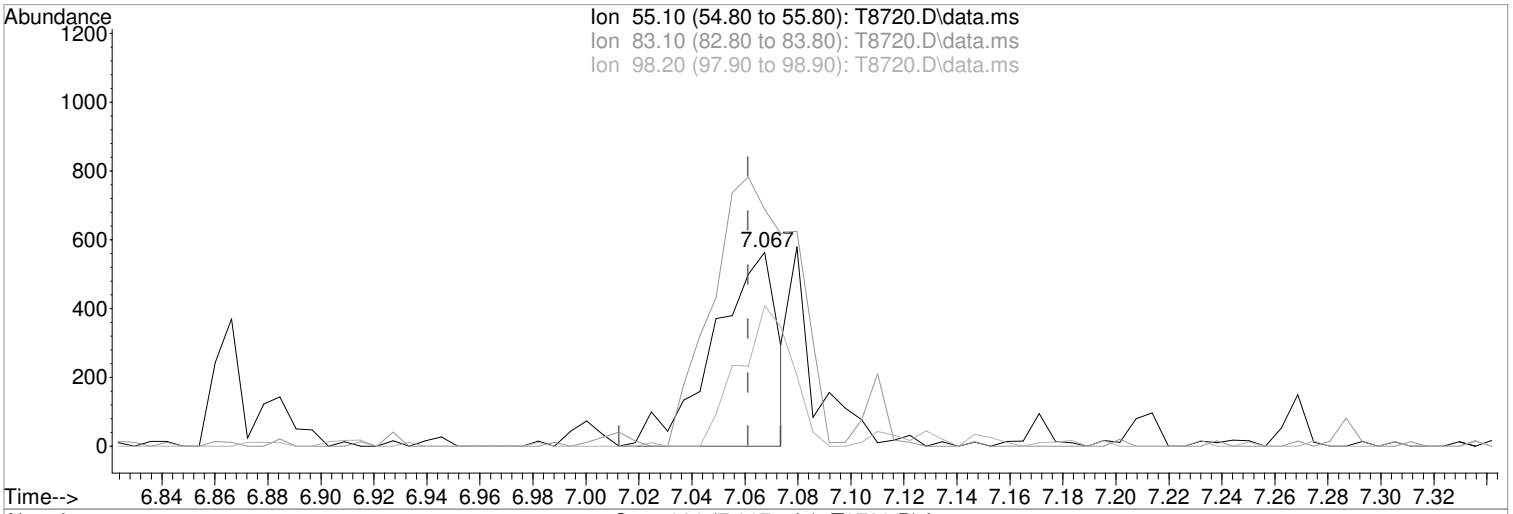
09/08/21

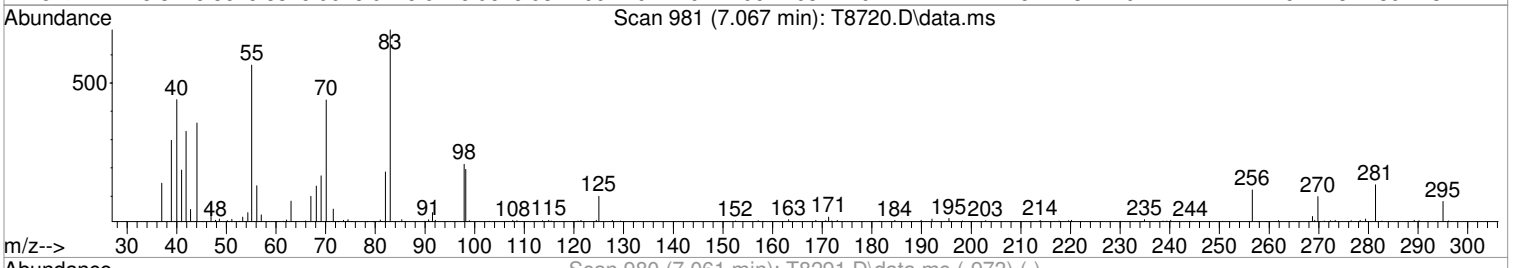
1st FN 09/08/21
2nd 09/08/21

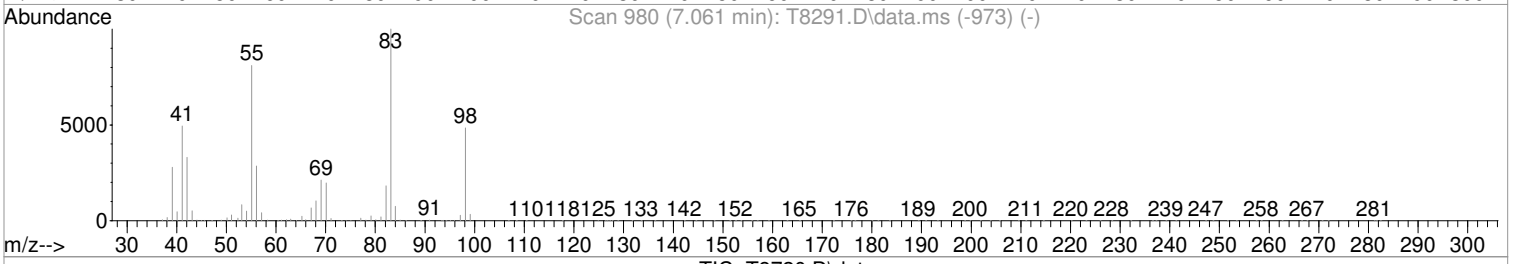
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(54) Methylcyclohexane (P)

7.067min (+0.006) 0.33 ug/L

response 935

Ion	Exp%	Act%
55.10	100	100
83.10	123.30	121.99
98.20	59.90	74.65
0.00	0.00	0.00

Manual Integration:

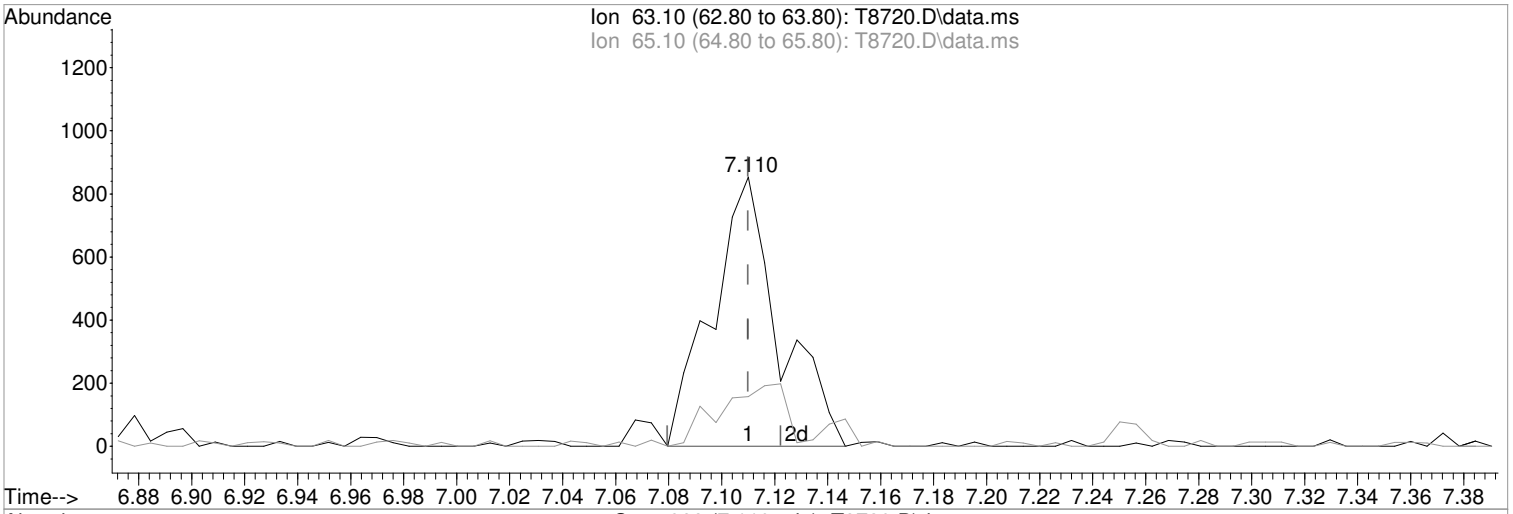
Before

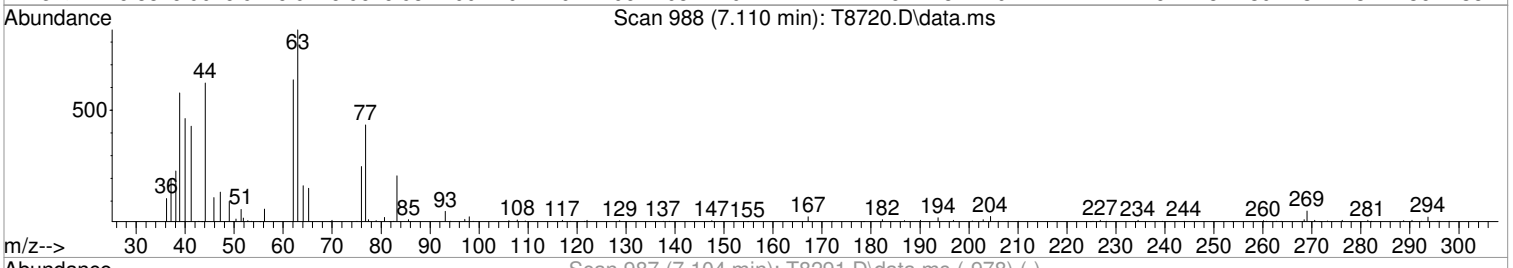
09/08/21

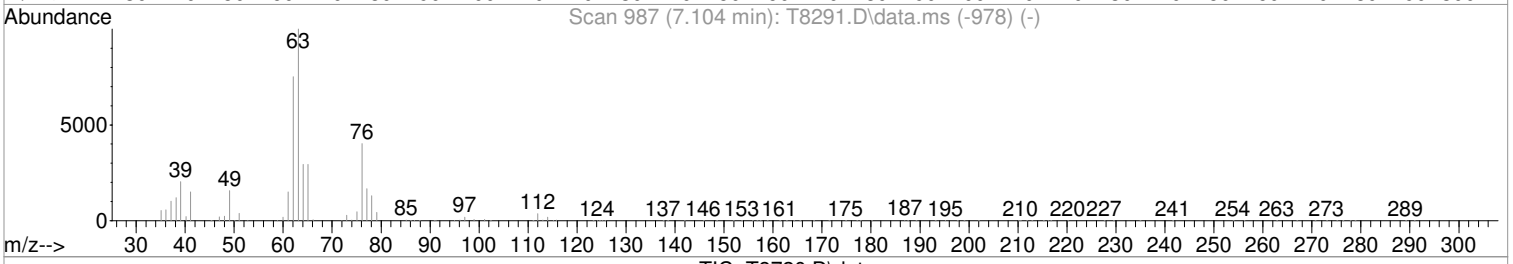
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(55) 1,2-Diclpropane (P)

7.110min (+0.000) 0.56 ug/L m

response 1498

Ion	Exp%	Act%
63.10	100	100
65.10	31.20	18.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

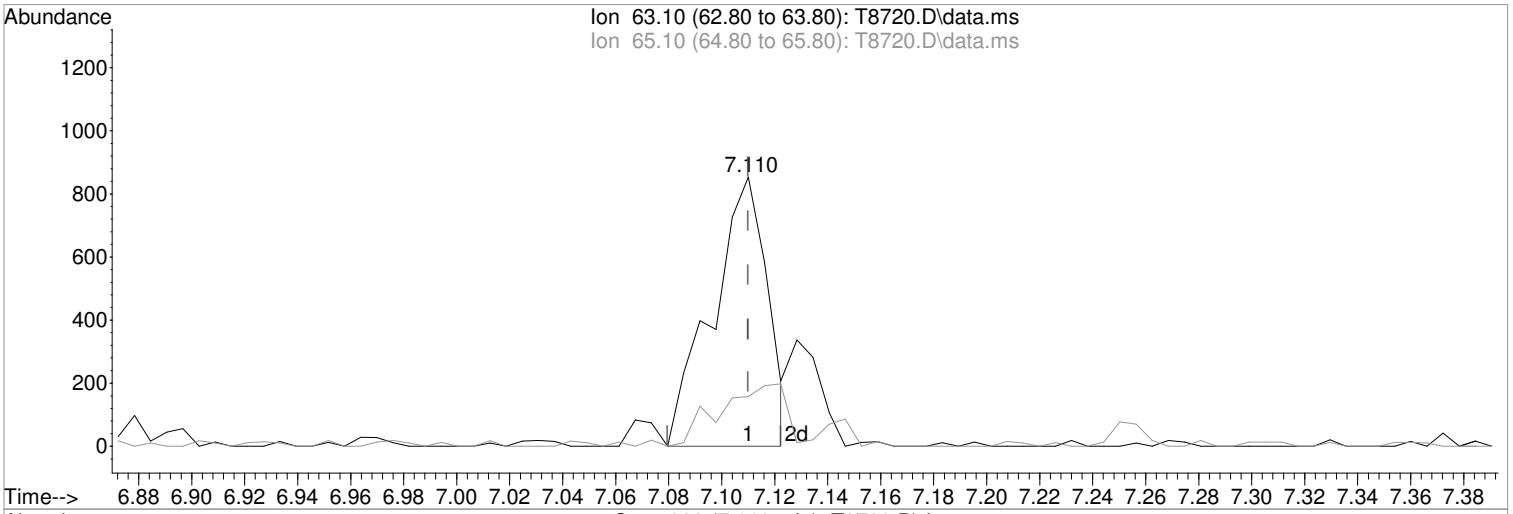
Poor integration.

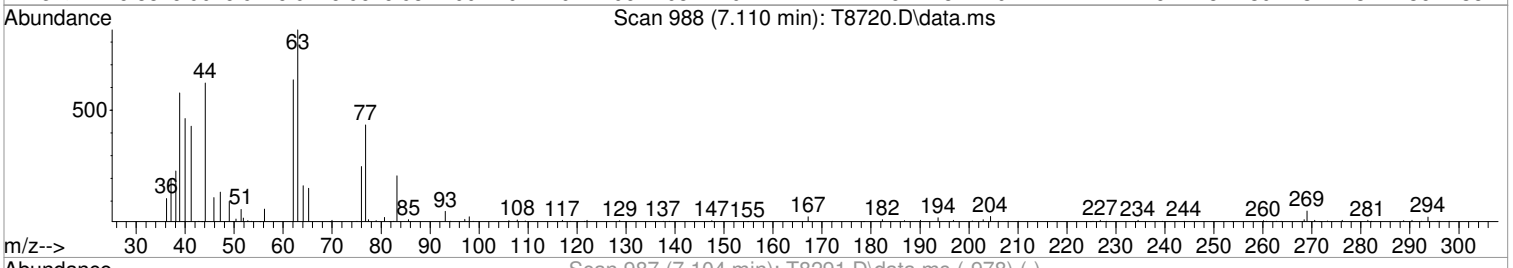
09/08/21

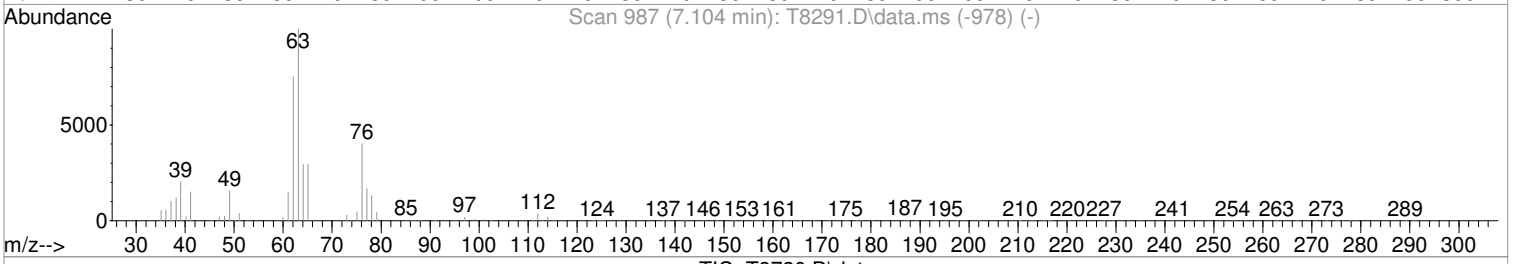
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(55) 1,2-Diclpropane (P)

7.110min (+0.000) 0.46 ug/L

response 1232

Ion	Exp%	Act%
63.10	100	100
65.10	31.20	18.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

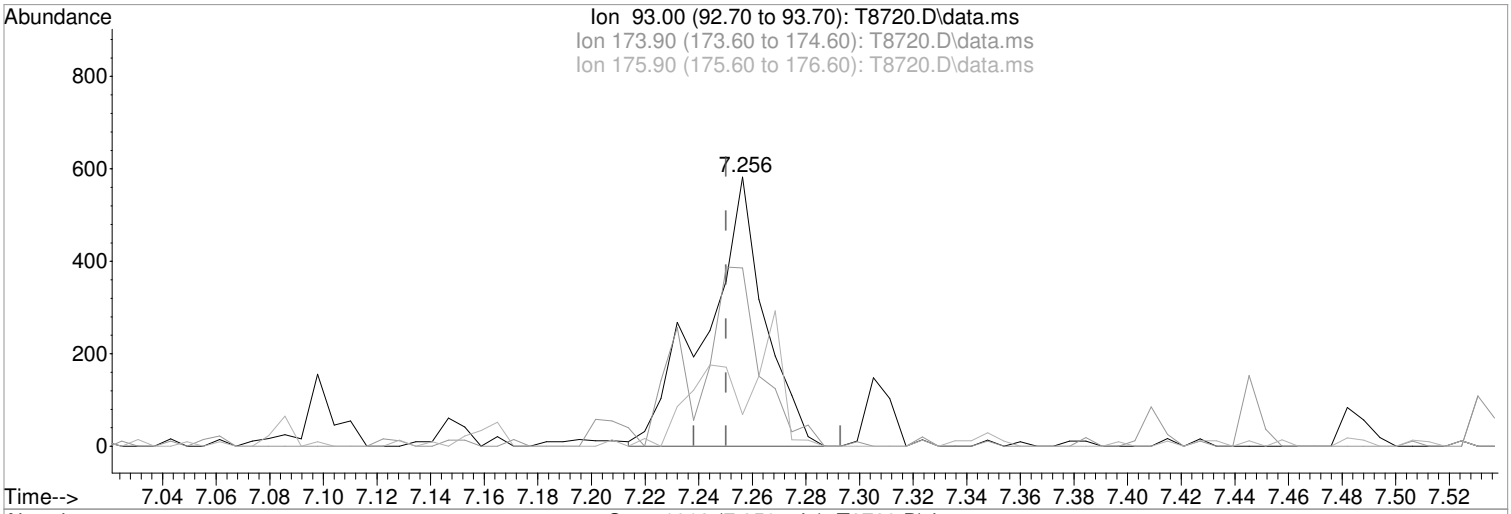
Before

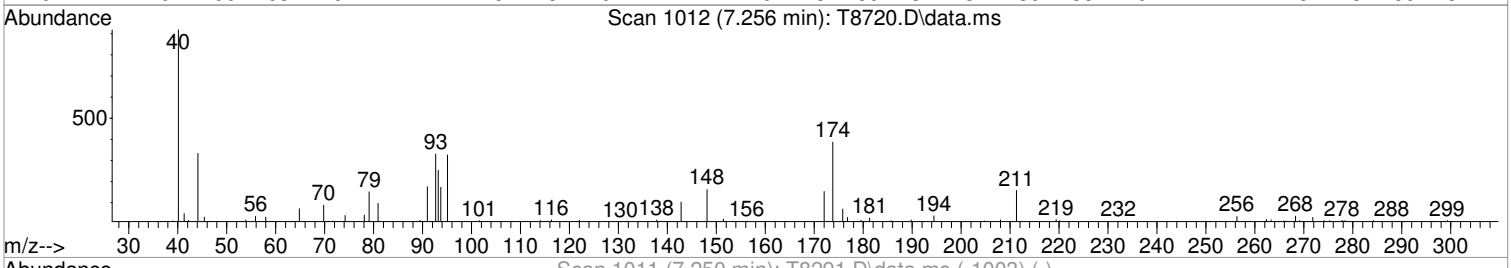
09/08/21

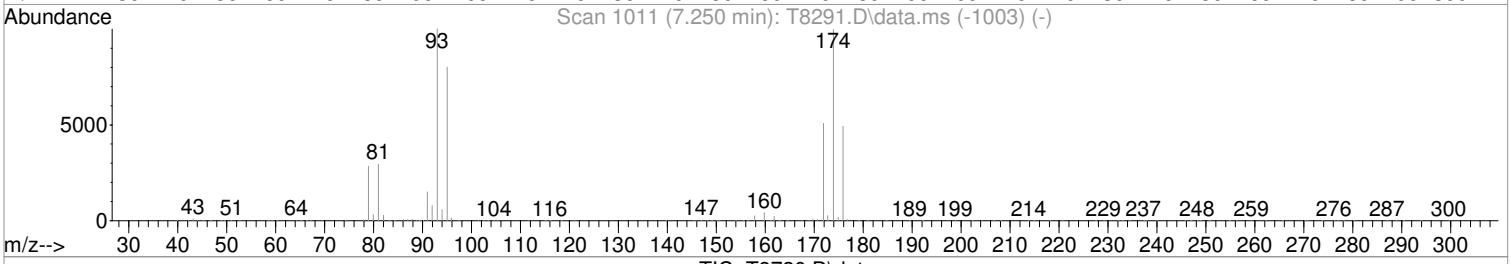
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(56) Dibromomethane

7.256min (+0.006) 0.50 ug/L m

response 889

Ion	Exp%	Act%
93.00	100	100
173.90	99.70	116.97
175.90	49.30	20.91#
0.00	0.00	0.00

Manual Integration:

After

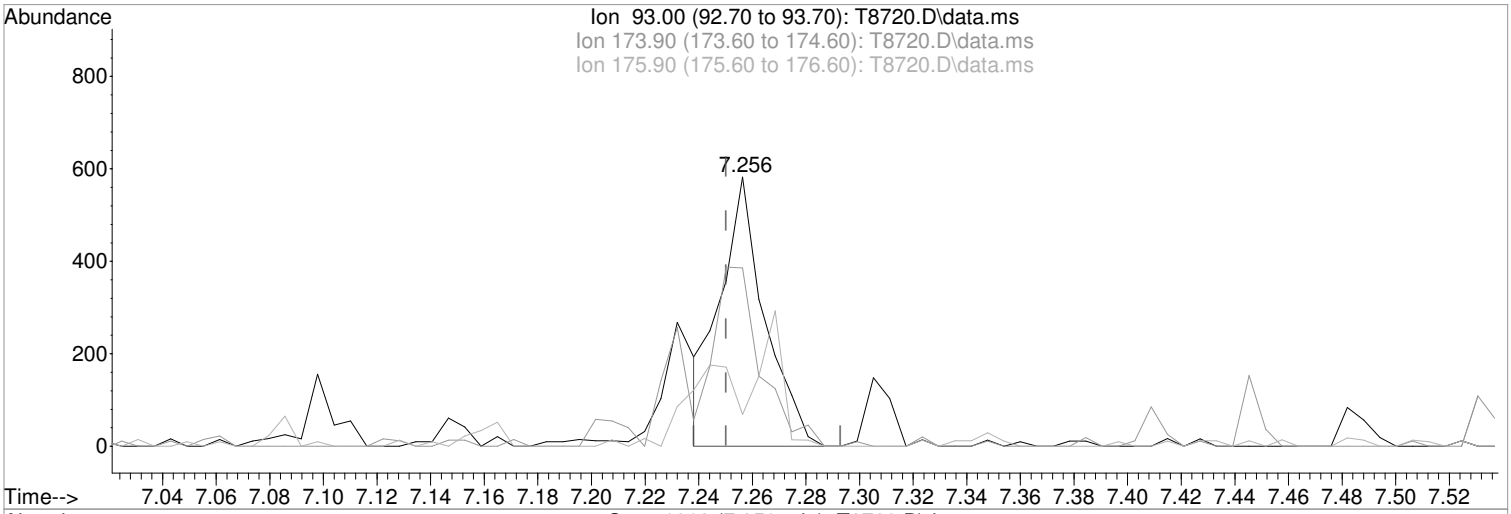
Poor integration.

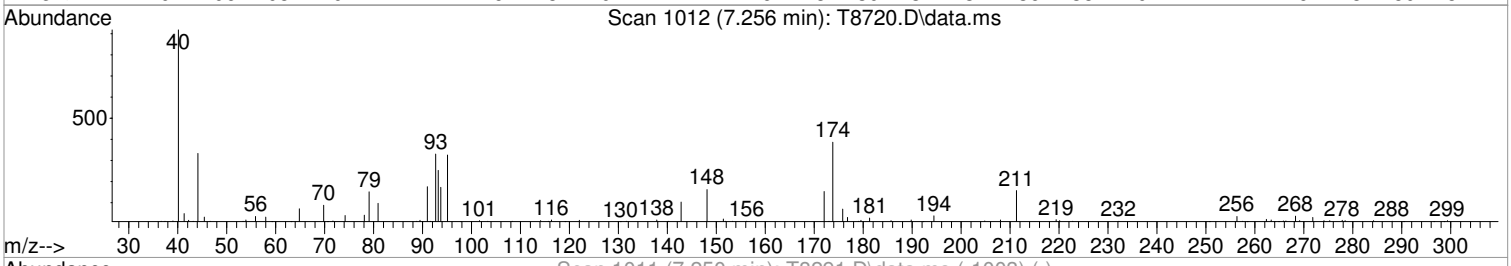
09/08/21

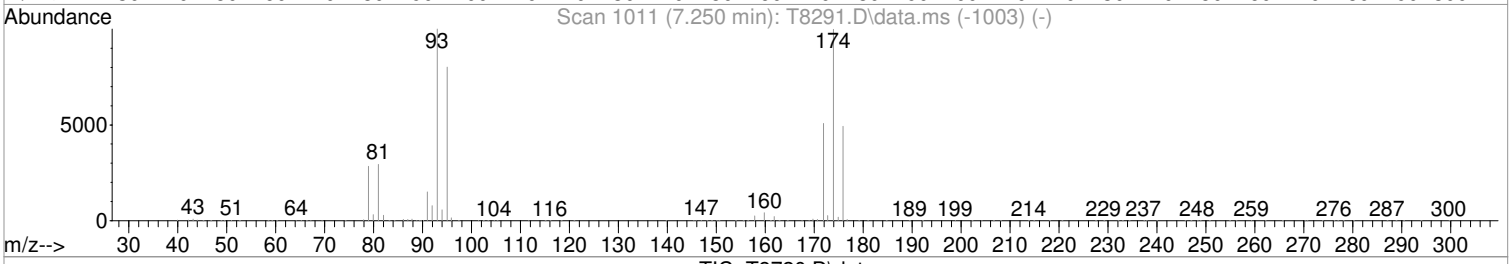
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(56) Dibromomethane

7.256min (+0.006) 0.38 ug/L

response 671

Ion	Exp%	Act%
93.00	100	100
173.90	99.70	51.13#
175.90	49.30	9.14#
0.00	0.00	0.00

Manual Integration:

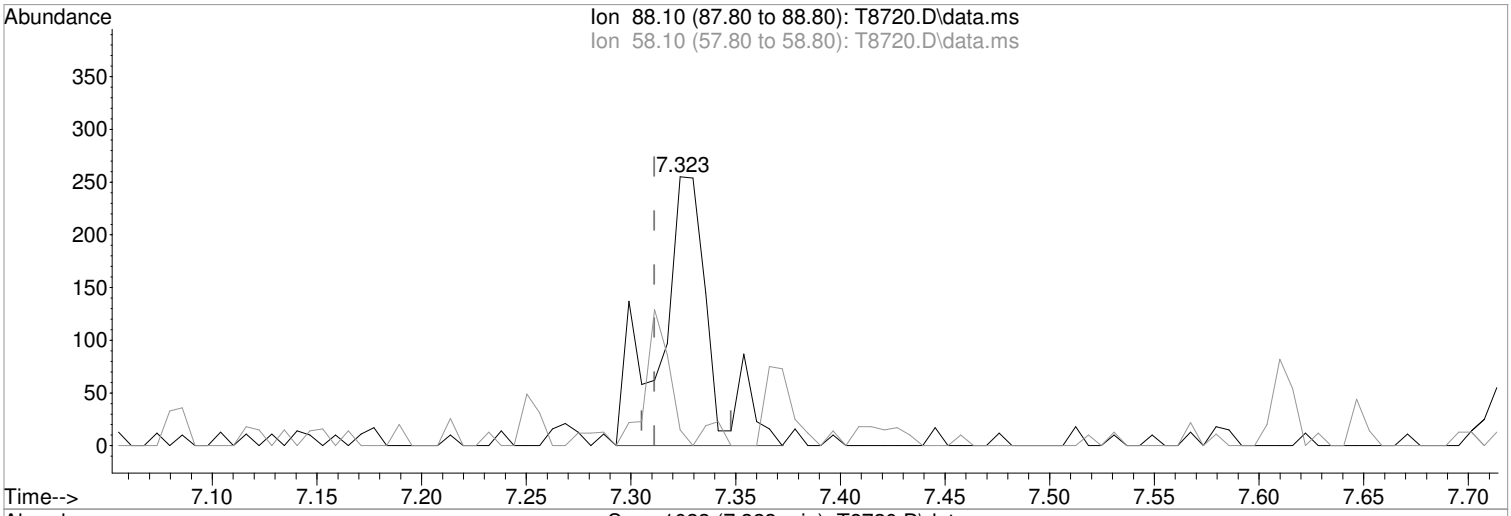
Before

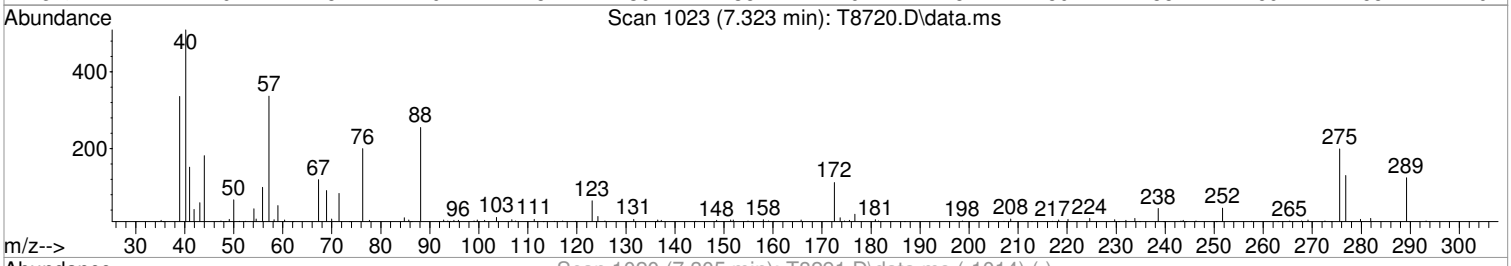
09/08/21

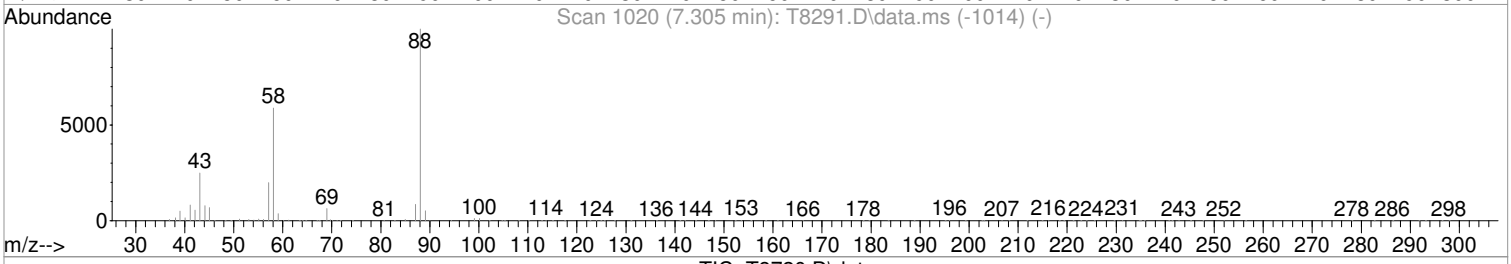
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(57) 1,4-Dioxane

7.323min (+0.012) 6.90 ug/L m

response 425

Ion	Exp%	Act%
88.10	100	100
58.10	58.50	5.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

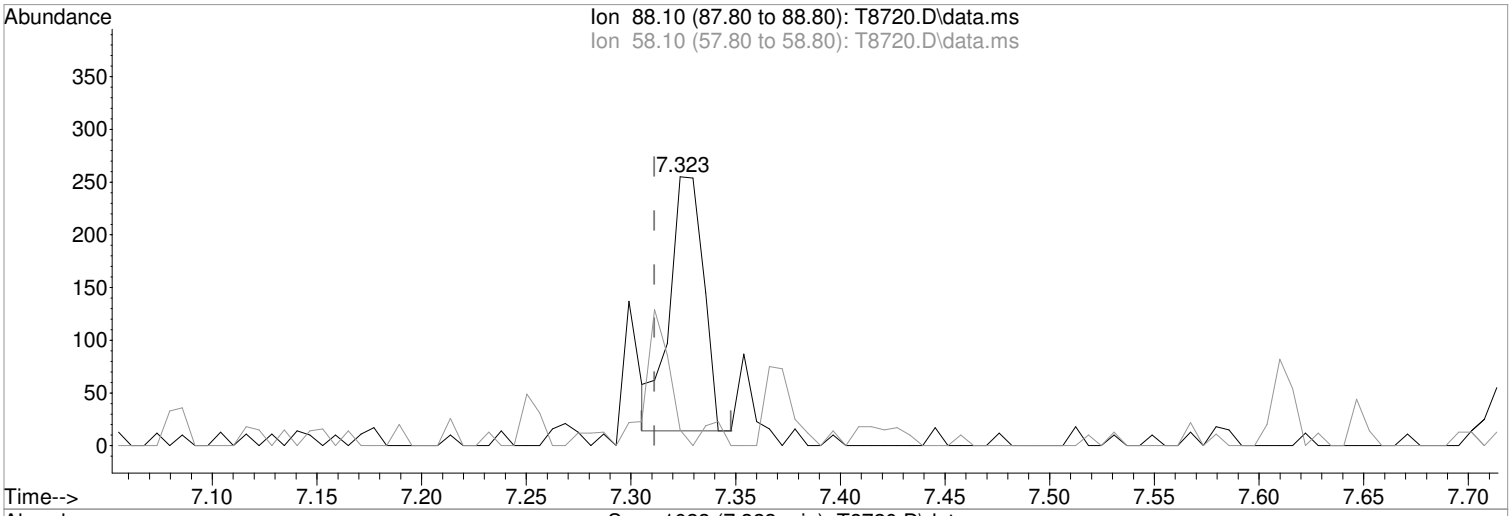
Poor integration.

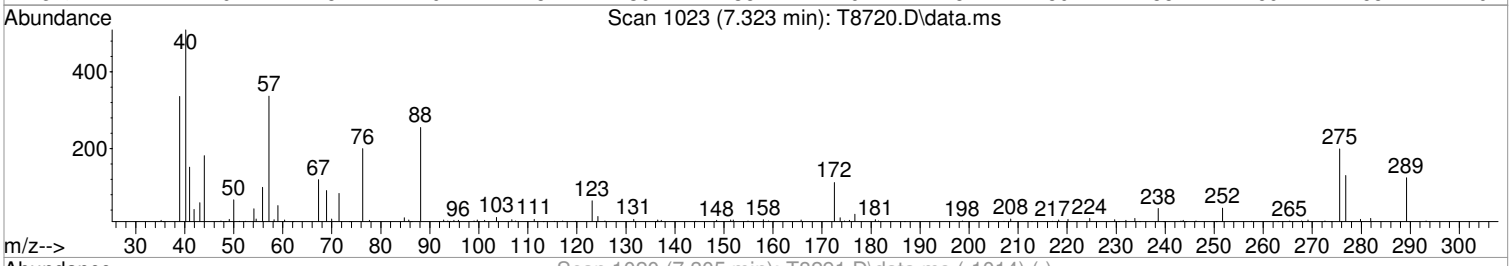
09/08/21

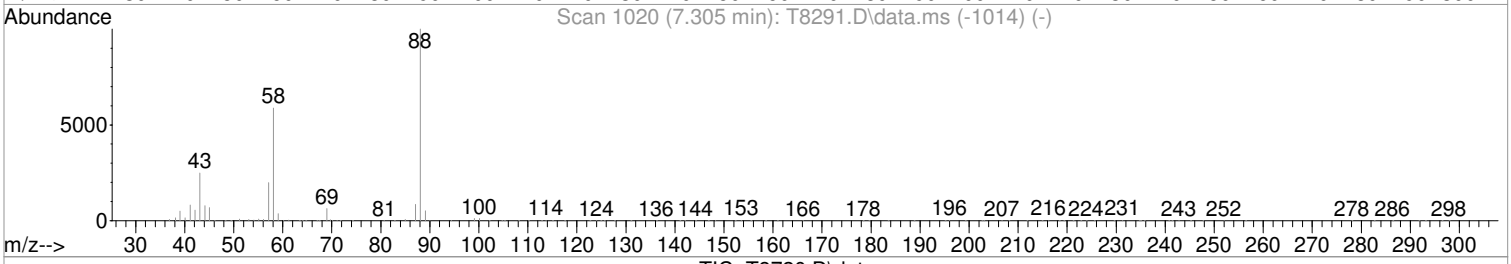
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(57) 1,4-Dioxane

7.323min (+0.012) 4.42 ug/L

response 272

Ion	Exp%	Act%
88.10	100	100
58.10	58.50	5.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

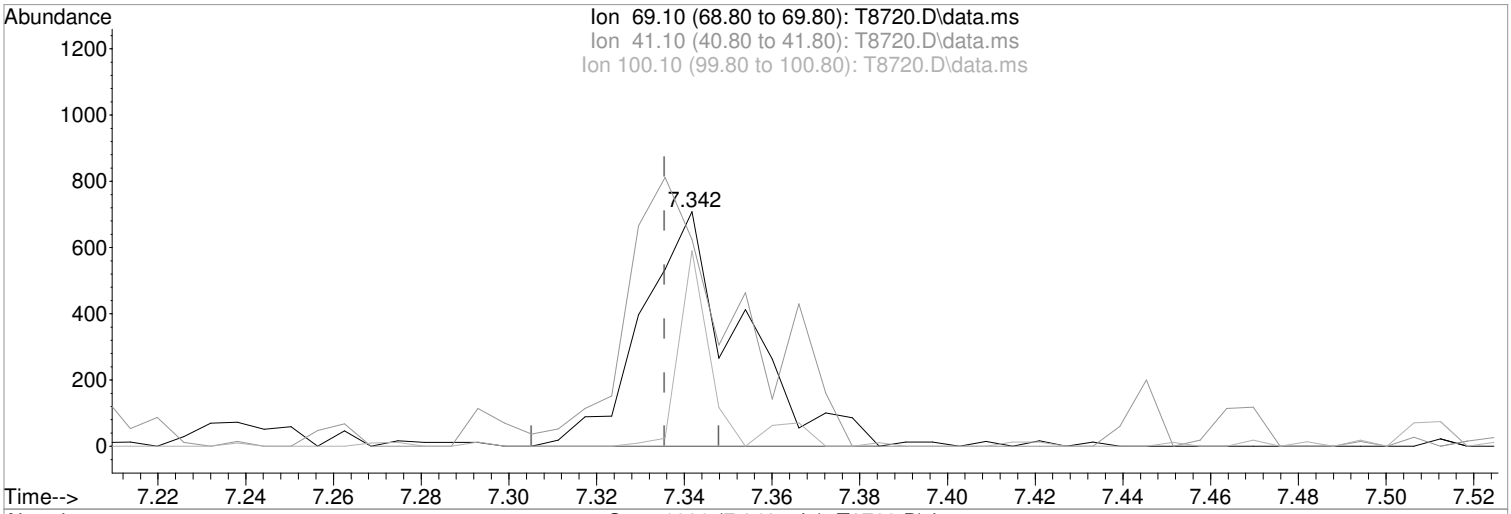
Before

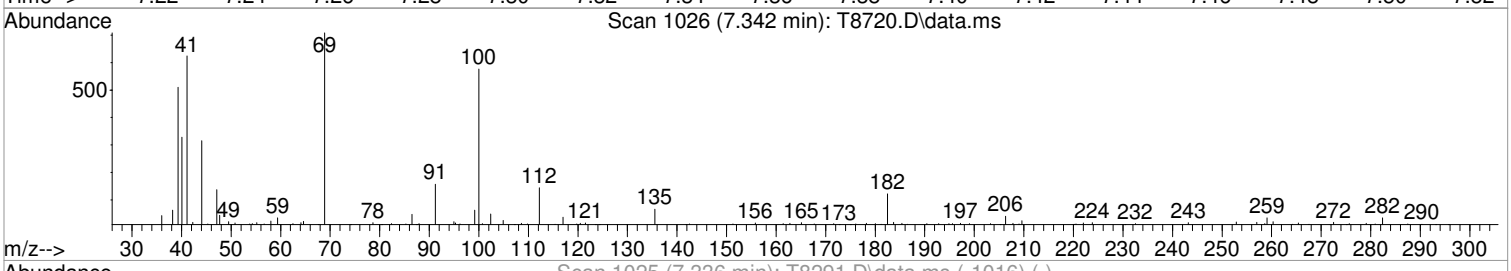
09/08/21

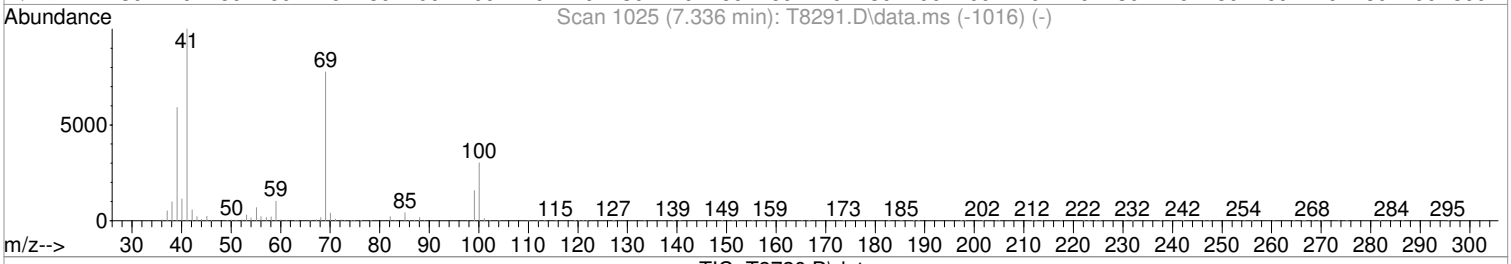
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.006) 0.46 ug/L m

response 1105

Ion	Exp%	Act%
69.10	100	100
41.10	129.20	88.14#
100.10	38.80	81.36#
0.00	0.00	0.00

Manual Integration:

After

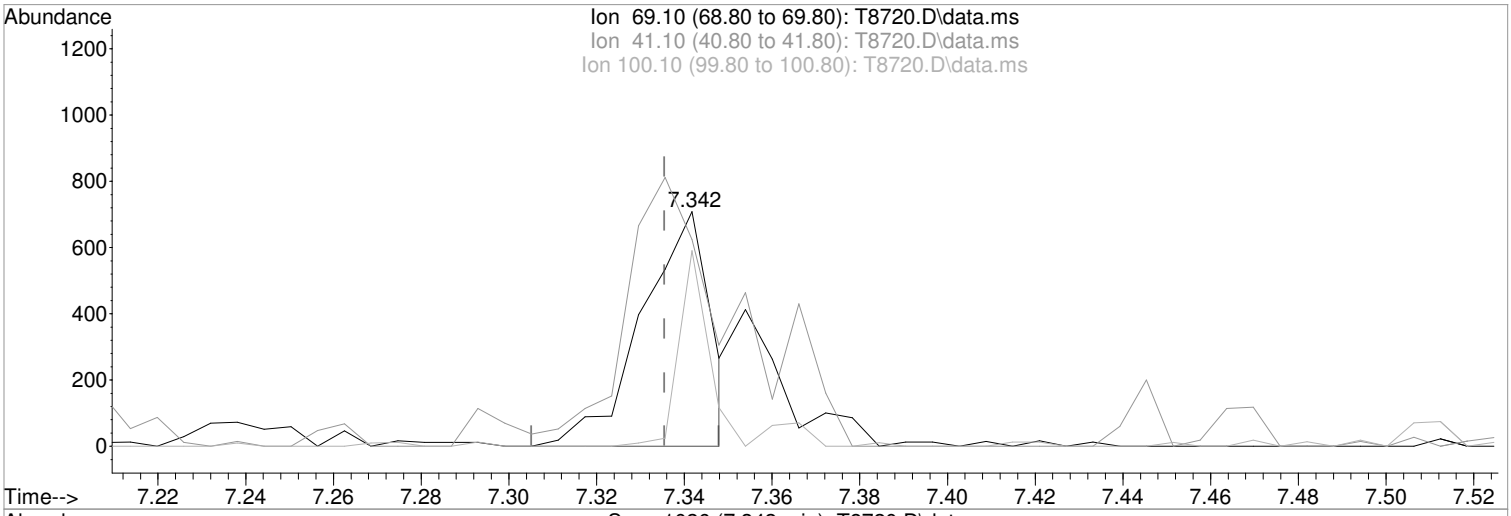
Poor integration.

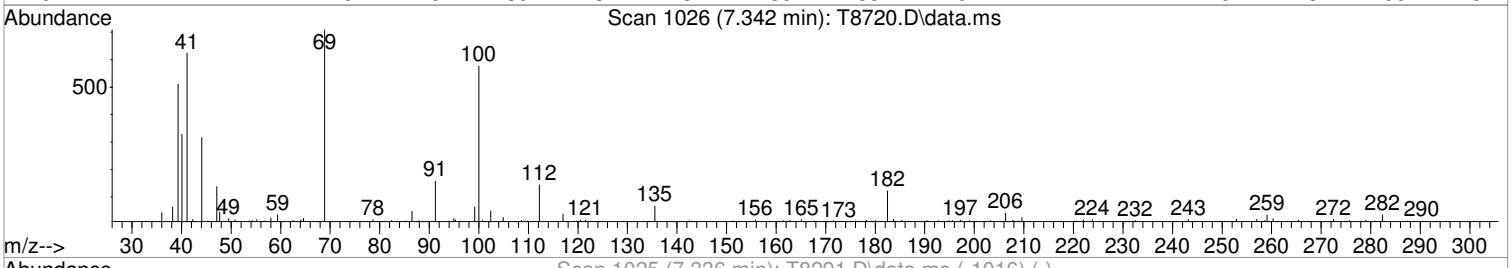
09/08/21

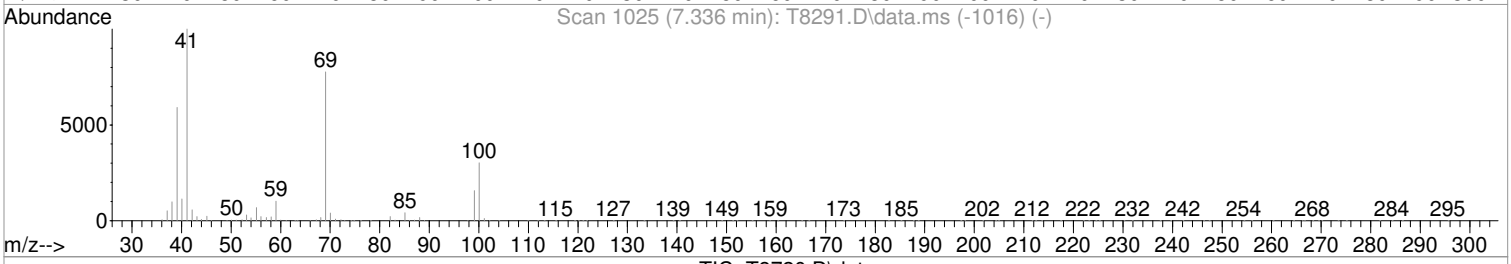
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.006) 0.32 ug/L

response 770

Ion	Exp%	Act%
69.10	100	100
41.10	129.20	88.14#
100.10	38.80	83.33#
0.00	0.00	0.00

Manual Integration:

Before

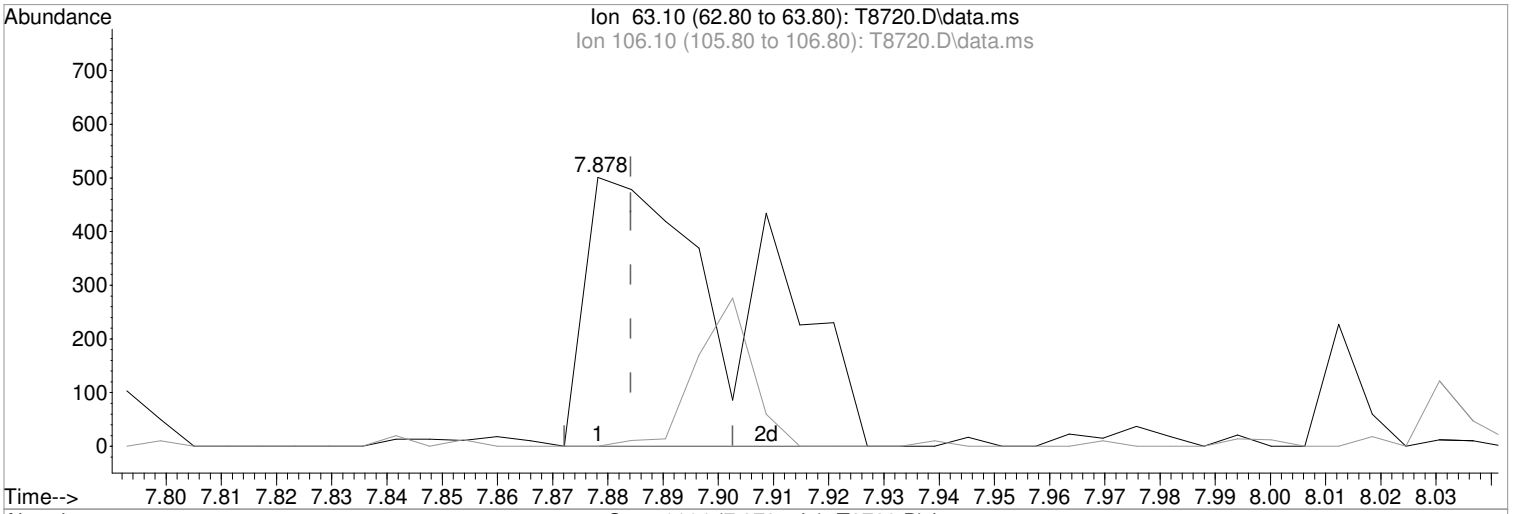
09/08/21

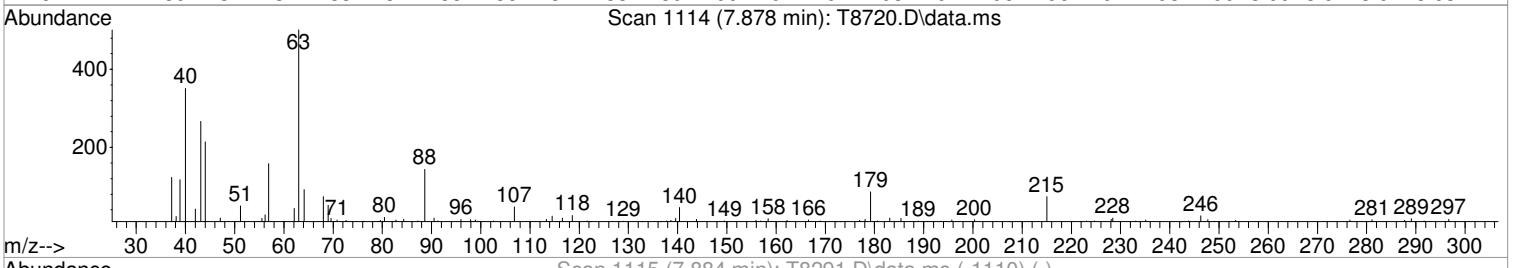
1st FN 09/08/21
2nd 09/08/21

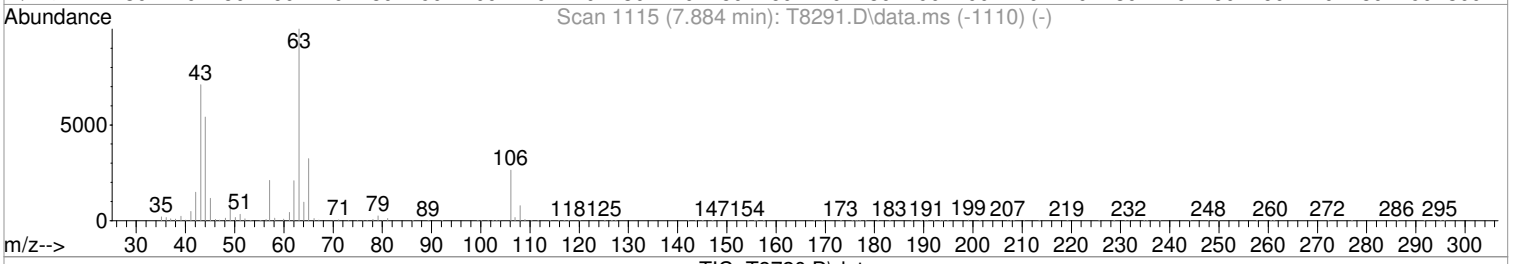
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.878min (-0.006) 0.60 ug/L m

response 1003

Ion	Exp%	Act%
63.10	100	100
106.10	26.60	9.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

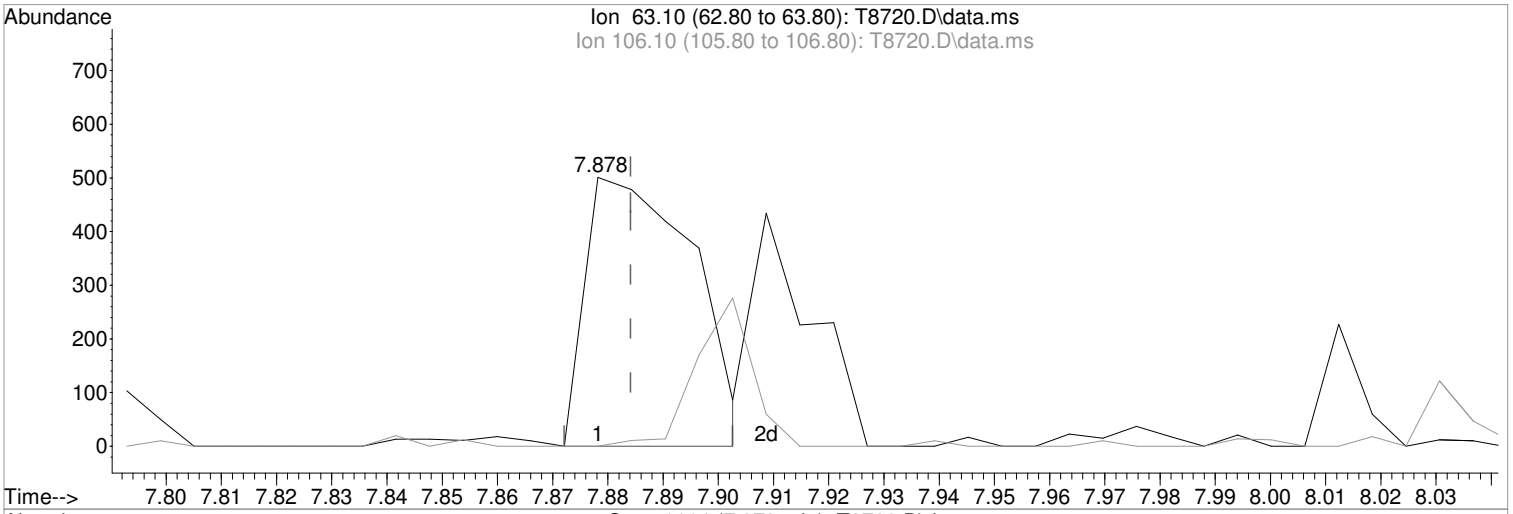
09/08/21

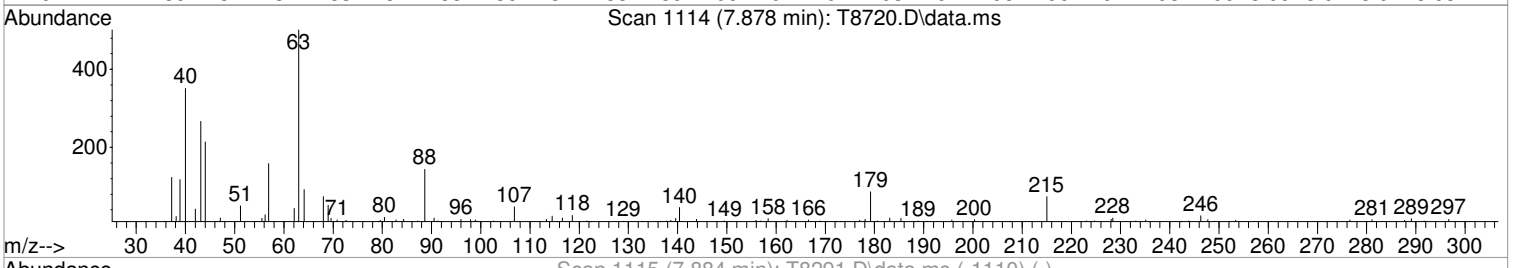
1st FN 09/08/21
2nd 09/08/21

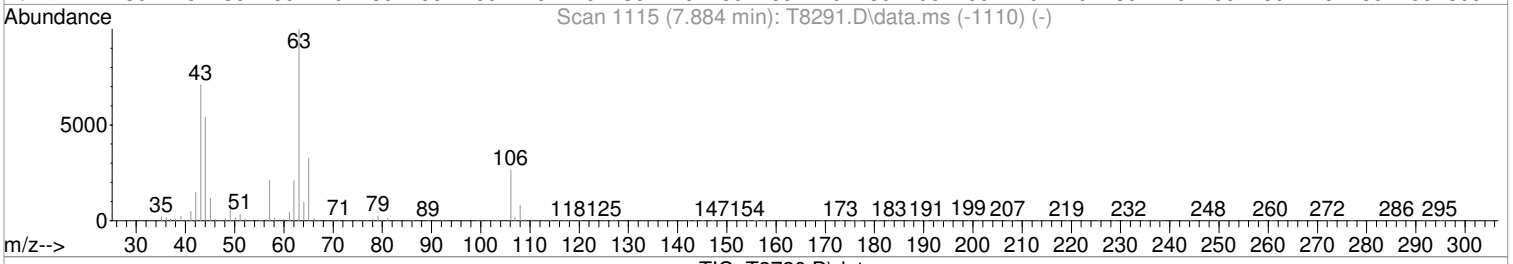
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.878min (-0.006) 0.41 ug/L

response 678

Ion	Exp%	Act%
63.10	100	100
106.10	26.60	9.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

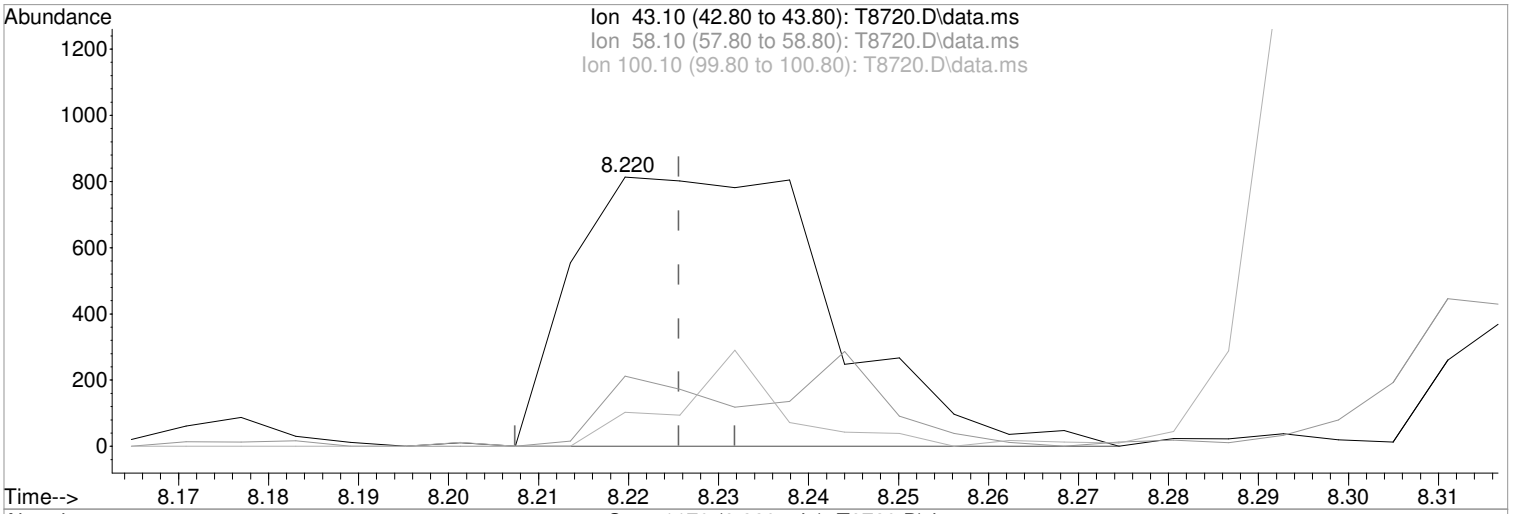
Before

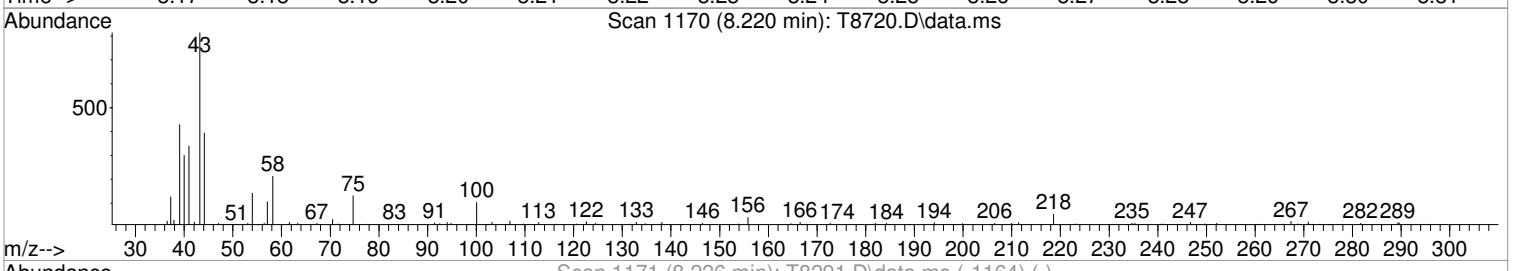
09/08/21

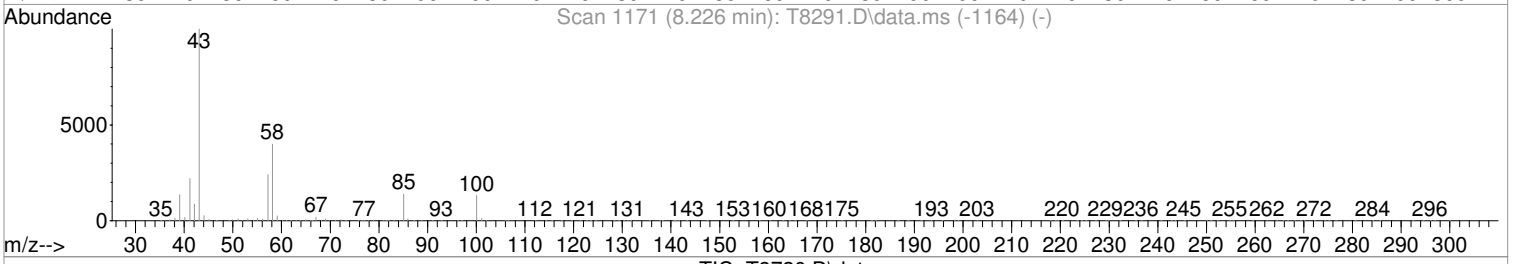
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(63) 4-Methyl-2-pentanone (P)

8.220min (-0.006) 0.42 ug/L m

response 1628

Ion	Exp%	Act%
43.10	100	100
58.10	39.80	26.08
100.10	13.10	12.67
0.00	0.00	0.00

Manual Integration:

After

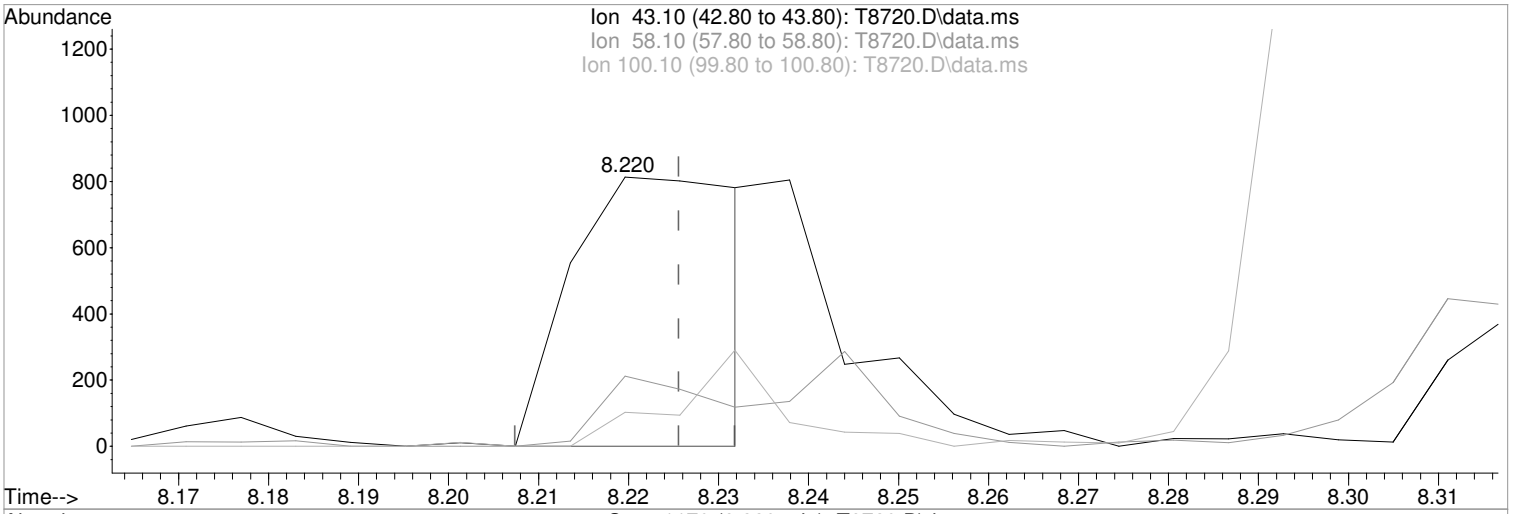
Poor integration.

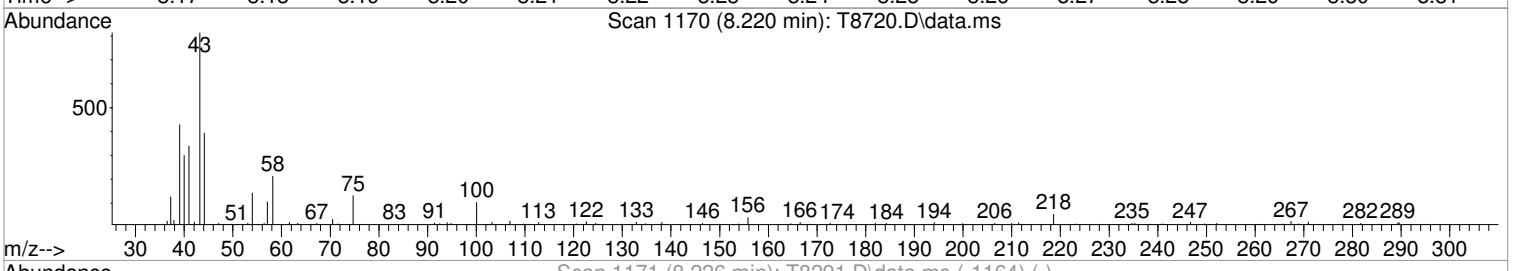
09/08/21

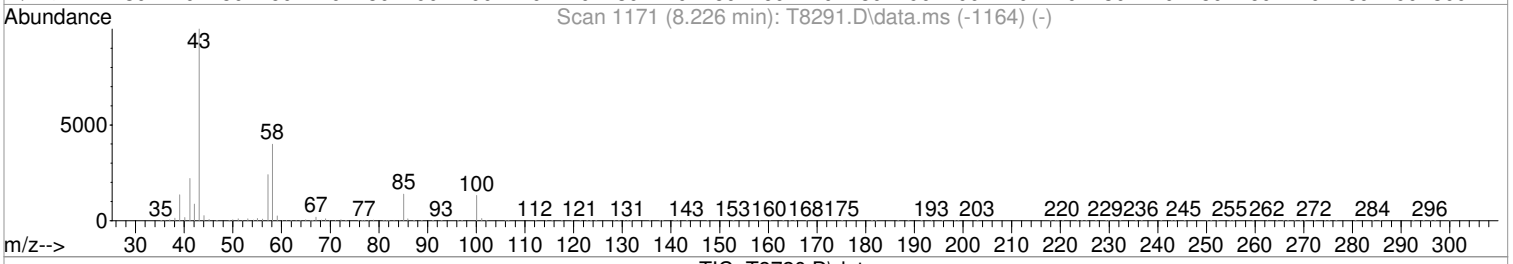
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(63) 4-Methyl-2-pentanone (P)

8.220min (-0.006) 0.28 ug/L

response 1079

Ion	Exp%	Act%
43.10	100	100
58.10	39.80	26.08
100.10	13.10	12.67
0.00	0.00	0.00

Manual Integration:

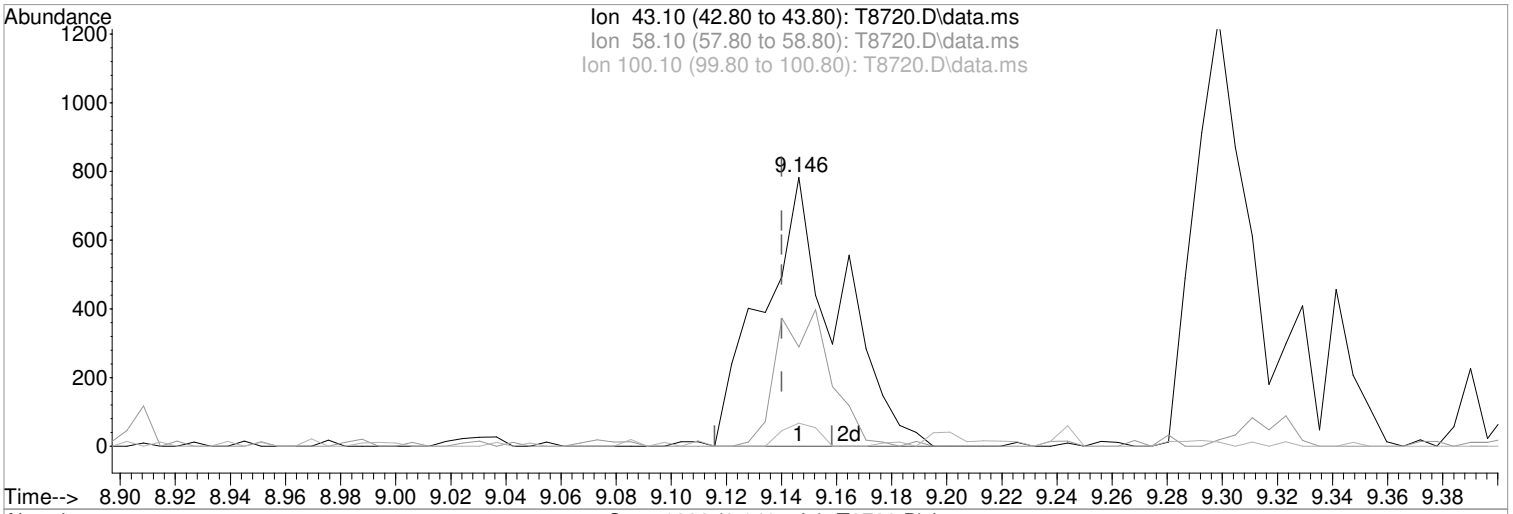
Before

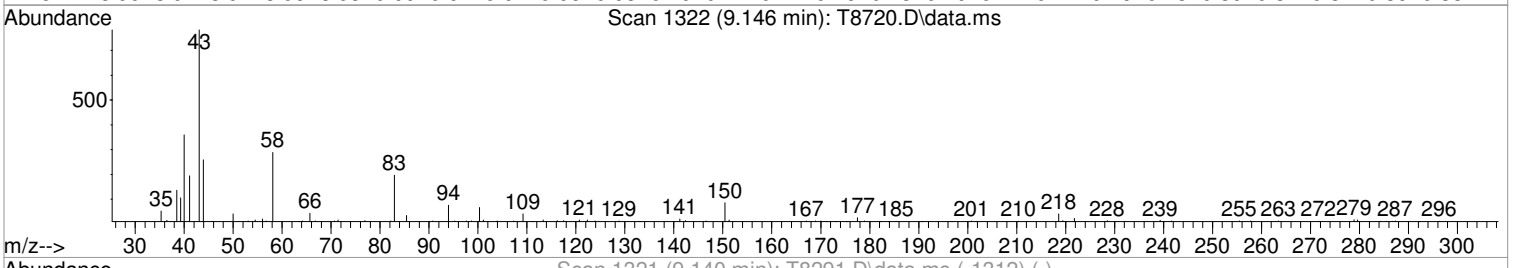
09/08/21

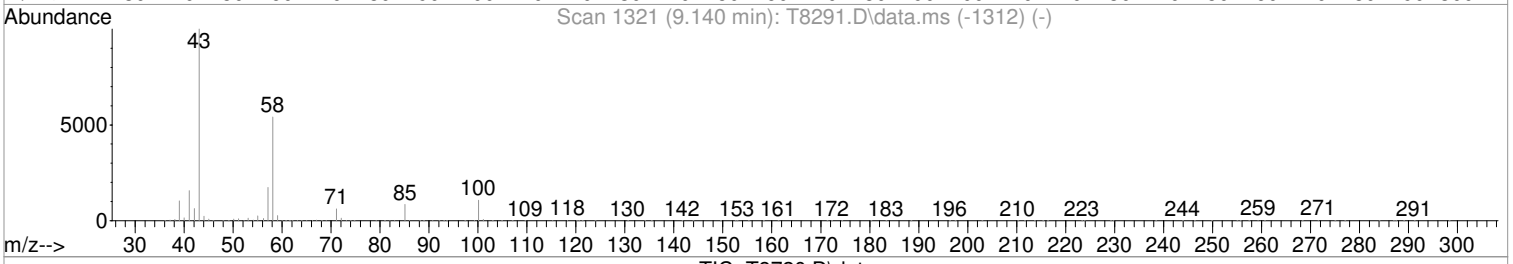
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(72) 2-Hexanone (P)

9.146min (+0.006) 0.54 ug/L m

response 1513

Ion	Exp%	Act%
43.10	100	100
58.10	54.00	36.91
100.10	10.60	8.56
0.00	0.00	0.00

Manual Integration:

After

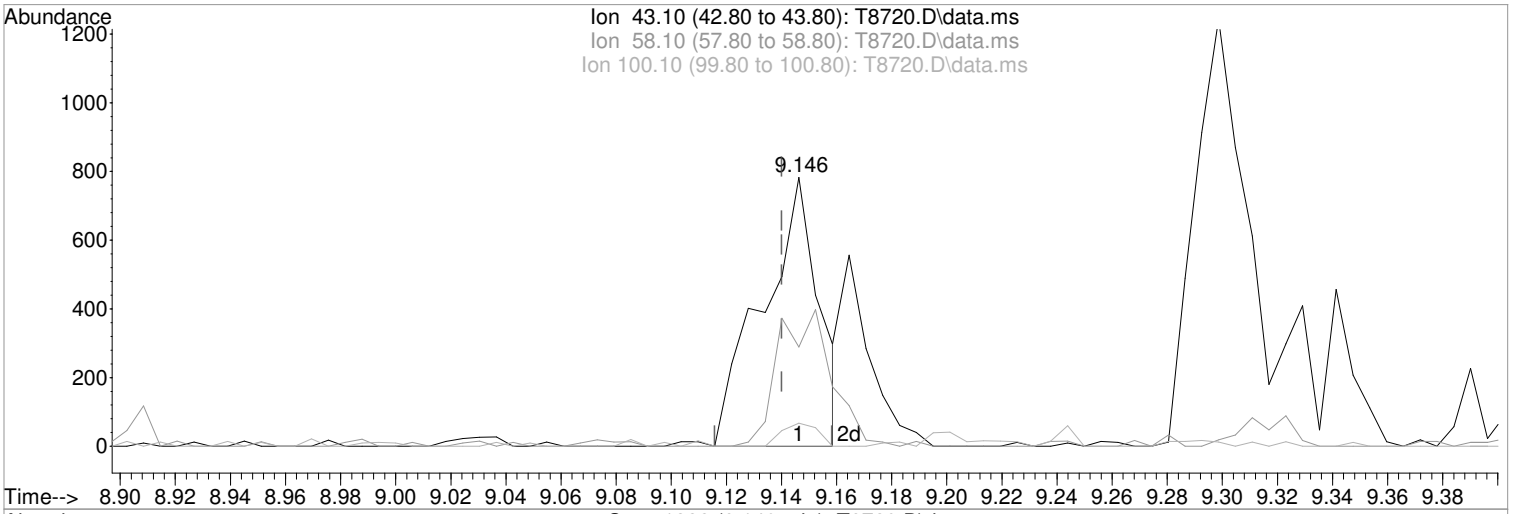
Poor integration.

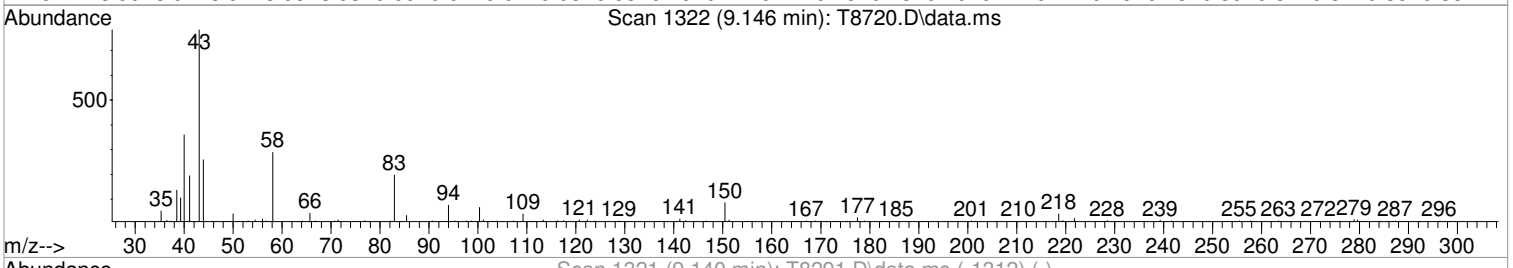
09/08/21

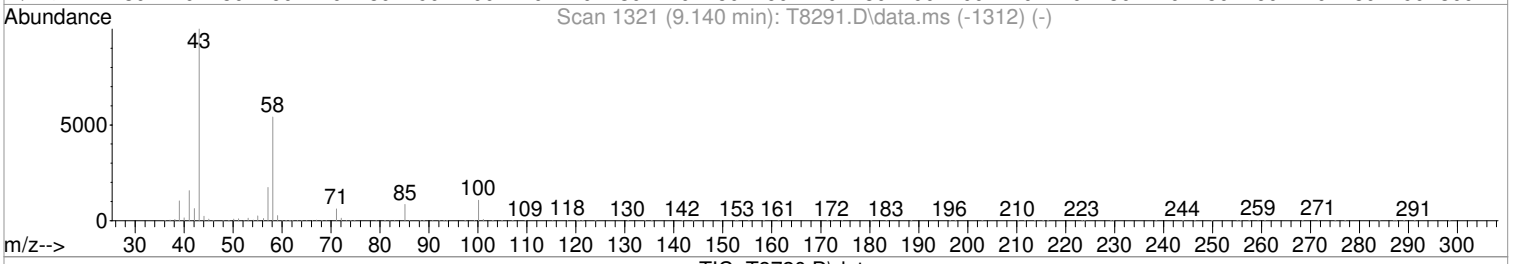
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(72) 2-Hexanone (P)

9.146min (+0.006) 0.39 ug/L

response 1114

Ion	Exp%	Act%
43.10	100	100
58.10	54.00	36.91
100.10	10.60	8.56
0.00	0.00	0.00

Manual Integration:

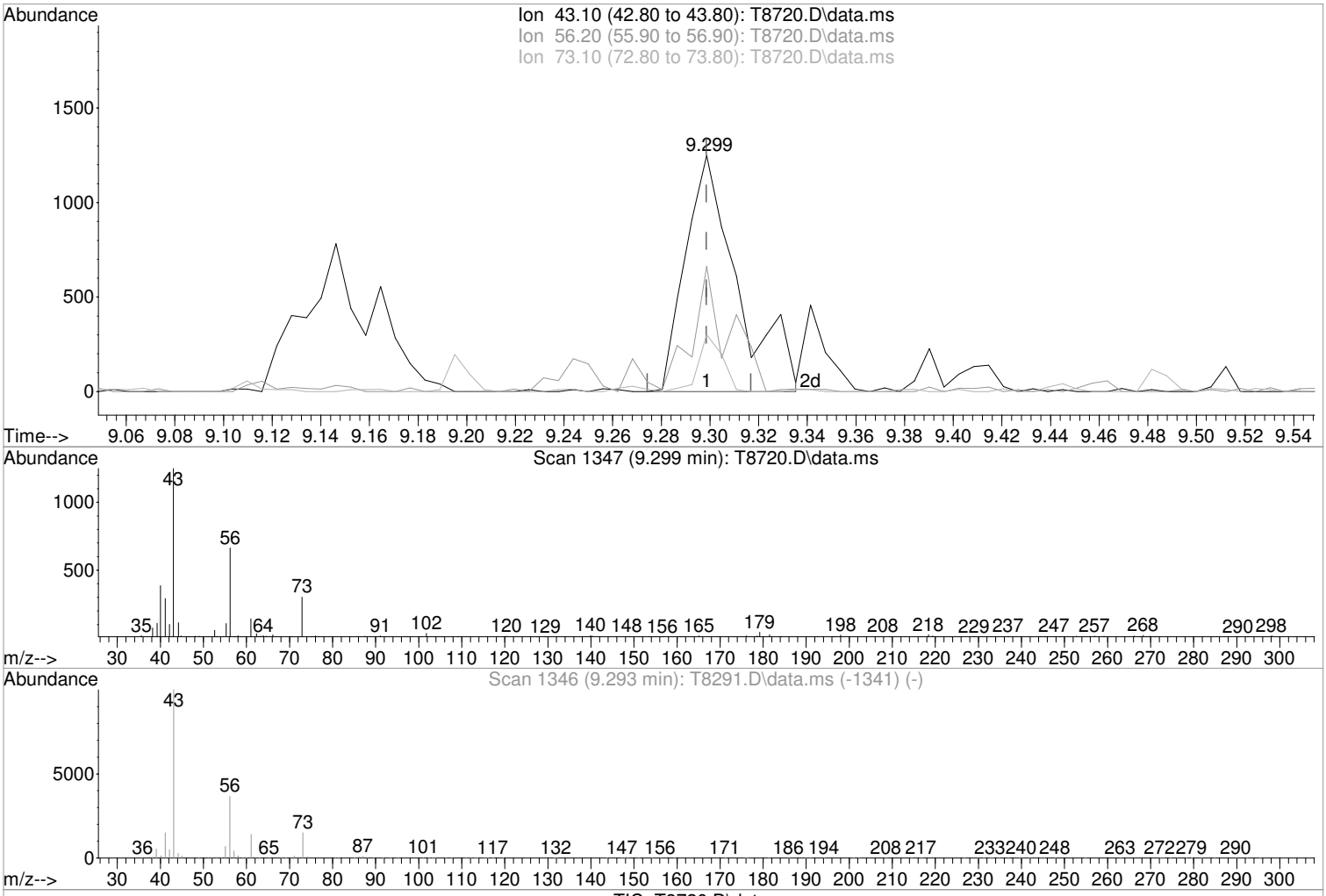
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(75) N-Butyl Acetate

9.299min (+0.000) 0.34 ug/L m

response 1858

Ion	Exp%	Act%
43.10	100	100
56.20	36.80	53.08
73.10	14.90	24.18
0.00	0.00	0.00

Manual Integration:

After

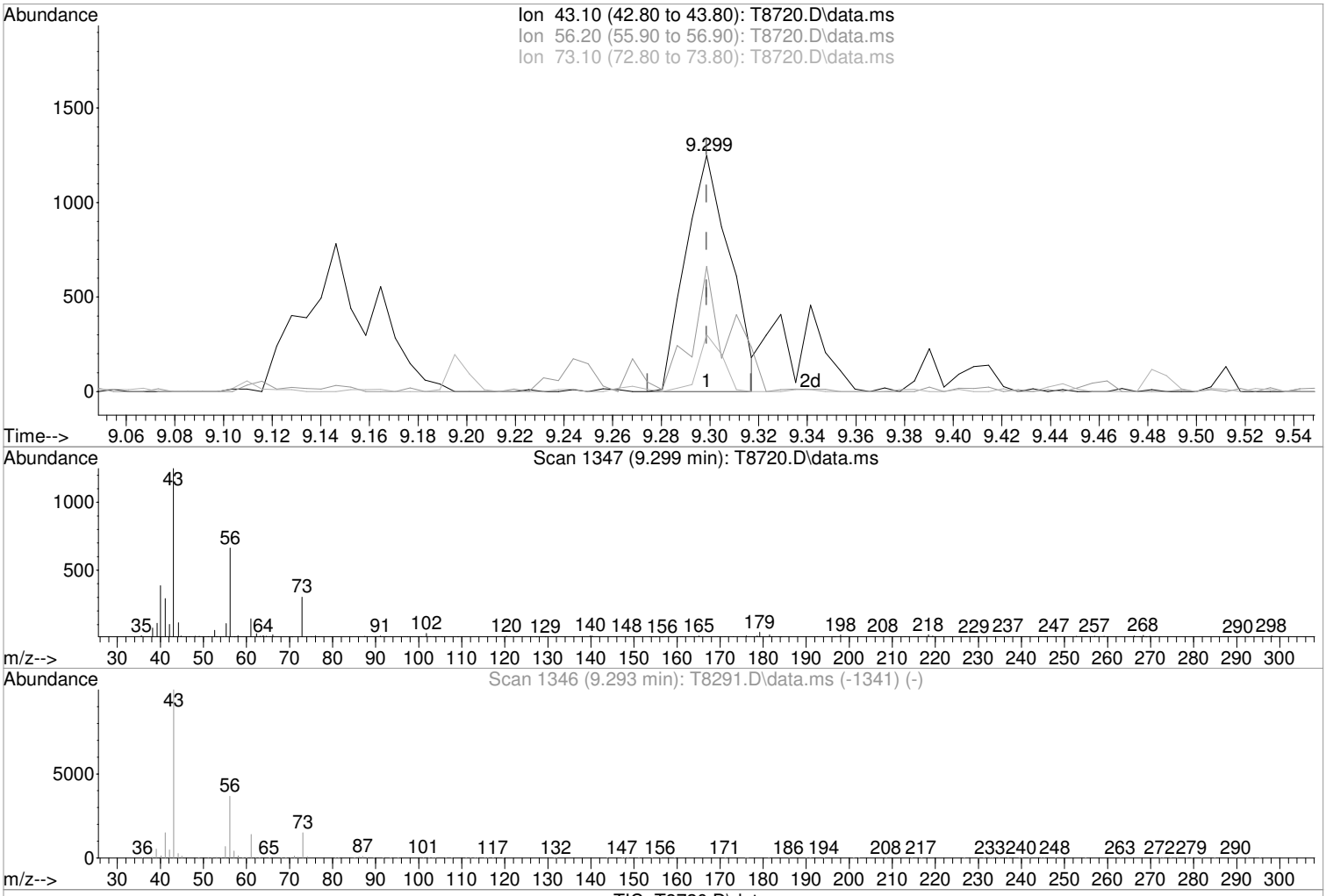
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8720.D\data.ms

(75) N-Butyl Acetate

9.299min (+0.000) 0.29 ug/L

response 1582

Ion	Exp%	Act%
43.10	100	100
56.20	36.80	53.08
73.10	14.90	24.18
0.00	0.00	0.00

Manual Integration:

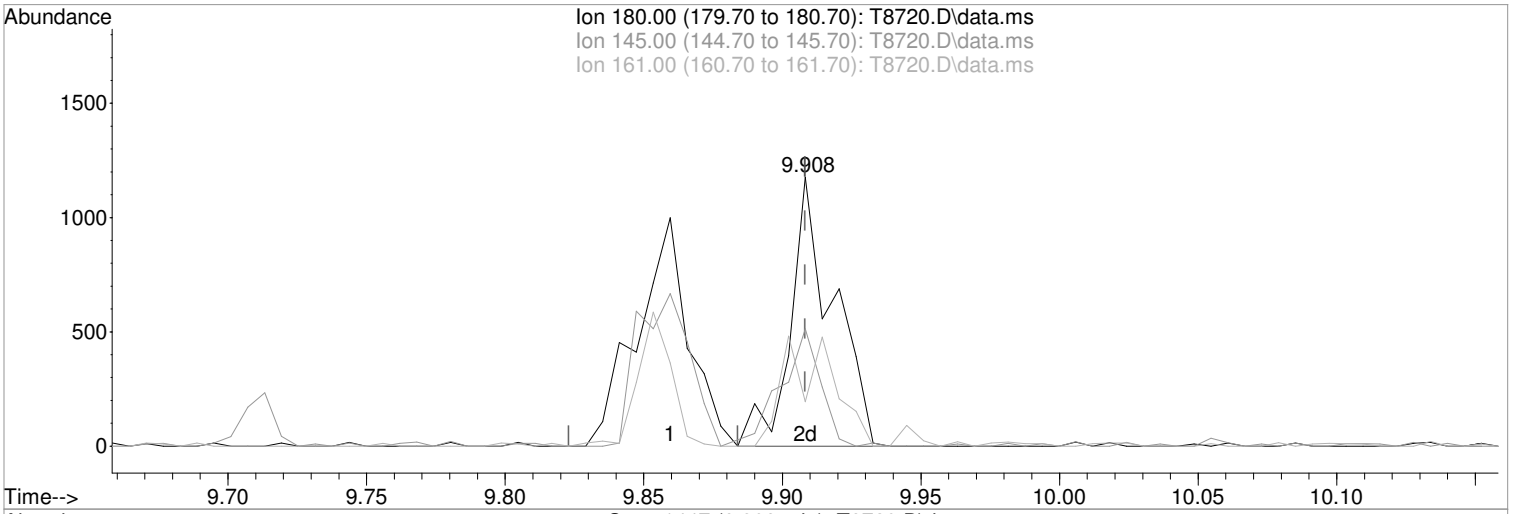
Before

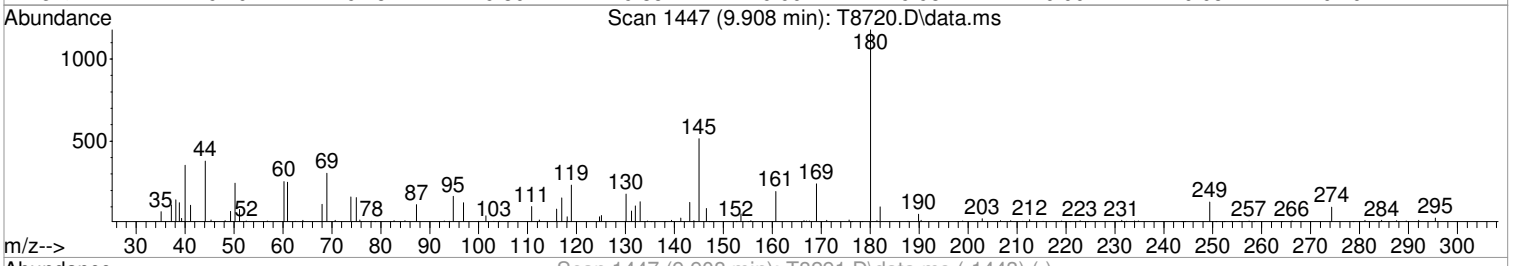
09/08/21

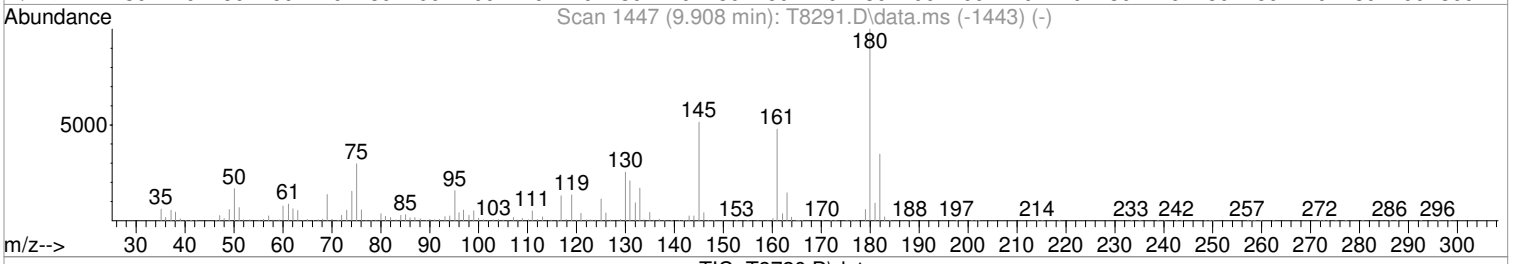
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(79) 4-Chlorobenzotrifluoride

9.908min (+0.000) 0.44 ug/L m

response 1270

Ion	Exp%	Act%
180.00	100	100
145.00	51.30	43.67
161.00	47.70	16.48#
0.00	0.00	0.00

Manual Integration:

After

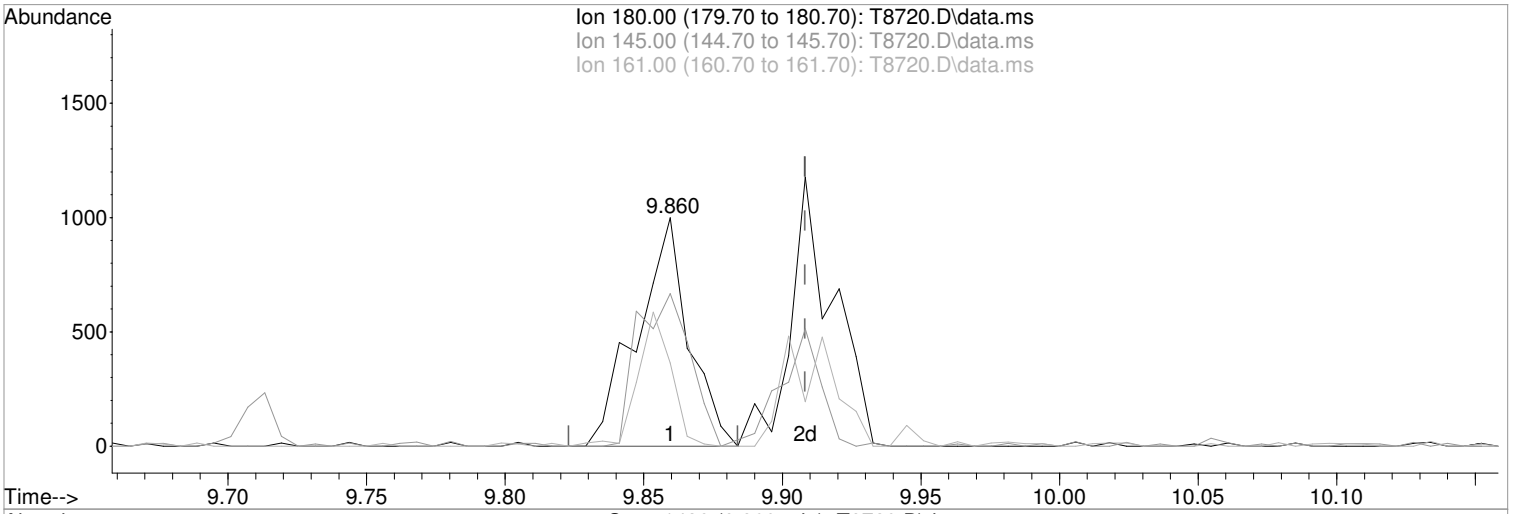
Wrong peak selected.

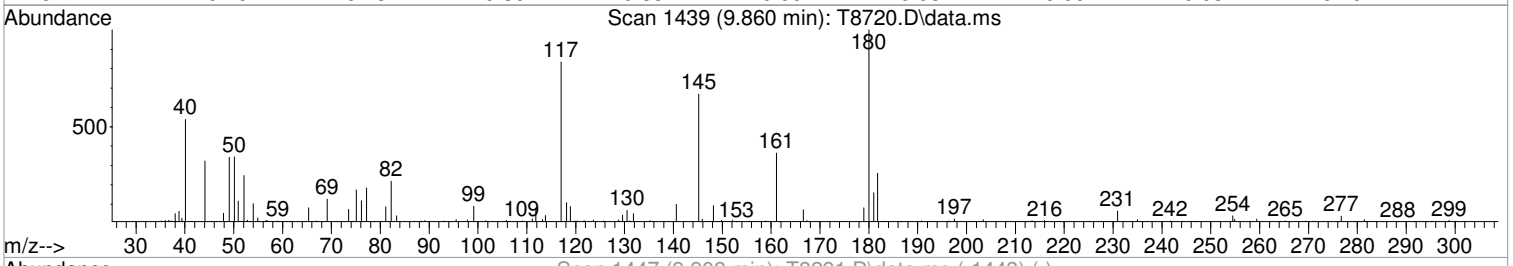
09/08/21

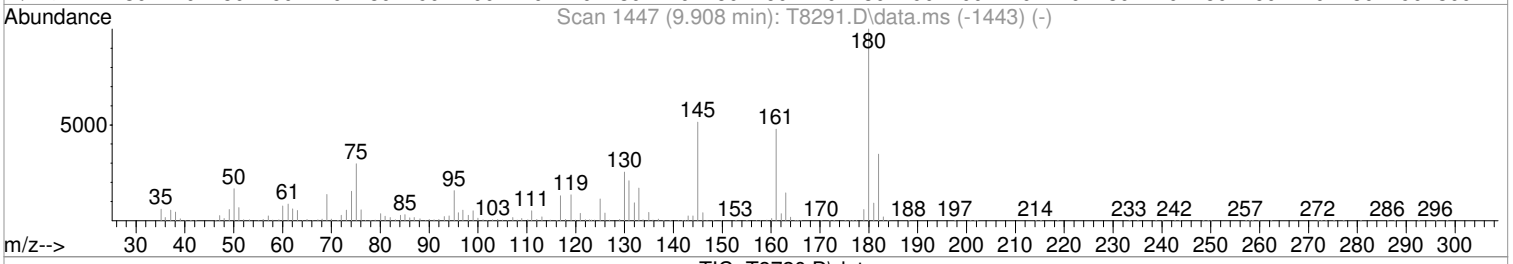
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(79) 4-Chlorobenzotrifluoride

9.860min (-0.049) 0.45 ug/L

response 1287

Ion	Exp%	Act%
180.00	100	100
145.00	51.30	66.80
161.00	47.70	36.40
0.00	0.00	0.00

Manual Integration:

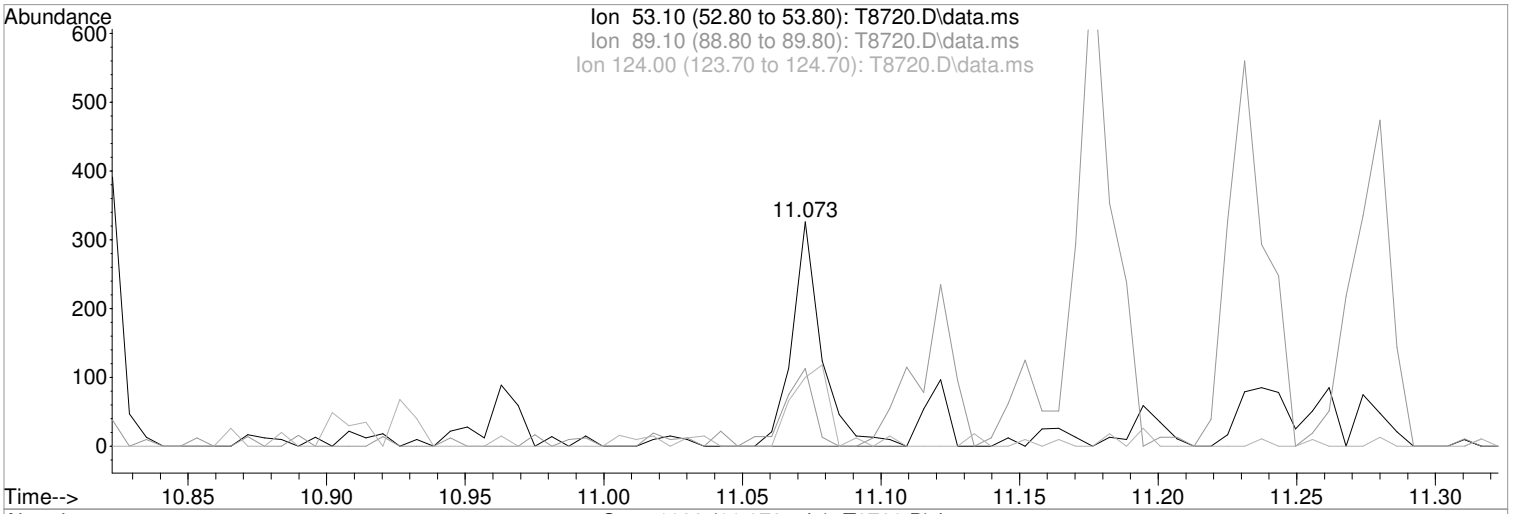
Before

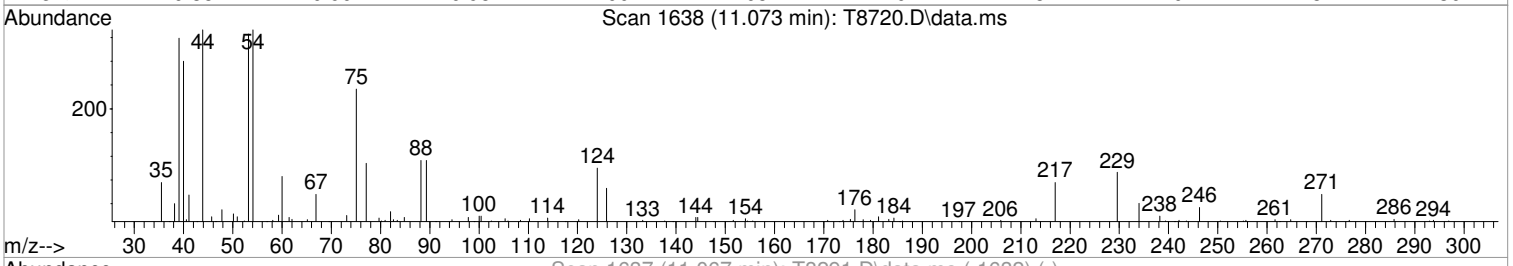
09/08/21

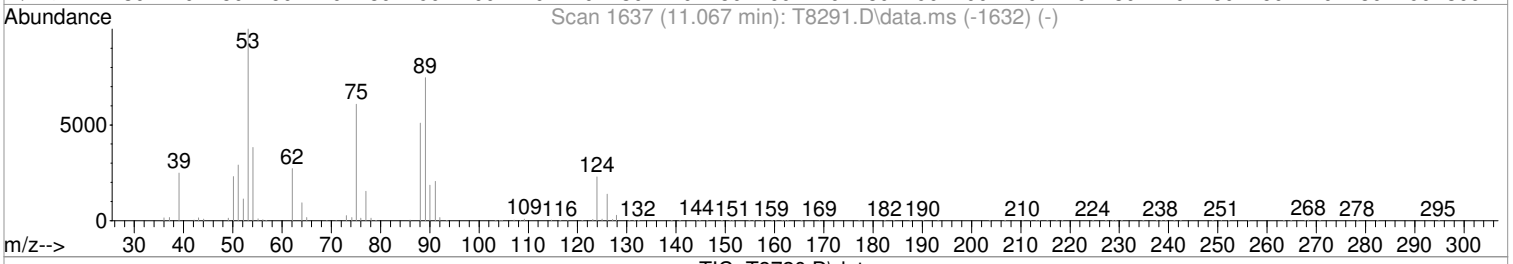
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.073min (+0.000) 0.27 ug/L m

response 244

Ion	Exp%	Act%
53.10	100	100
89.10	74.70	34.66#
124.00	22.90	30.67
0.00	0.00	0.00

Manual Integration:

After

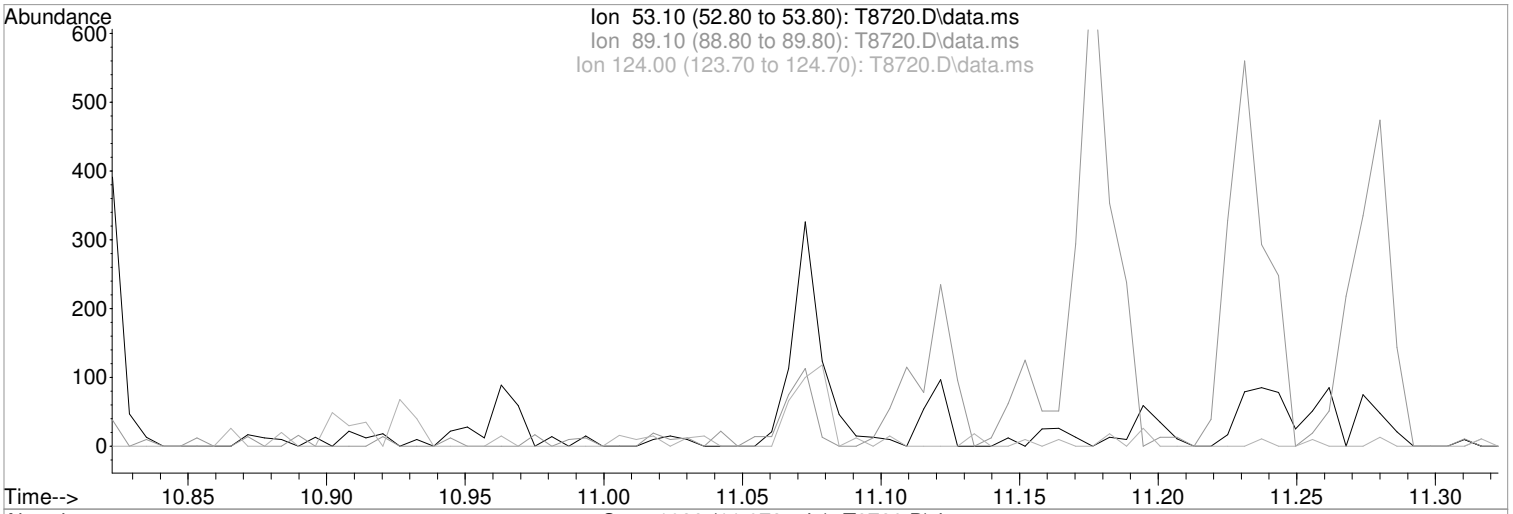
Peak not found.

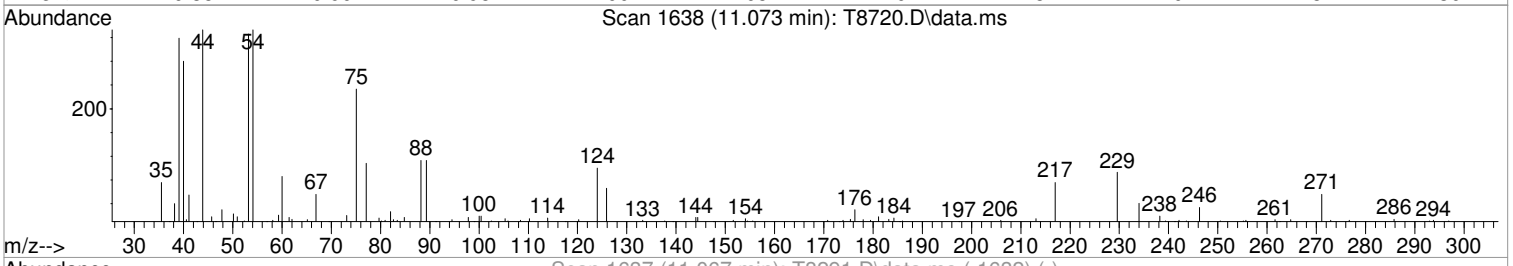
09/08/21

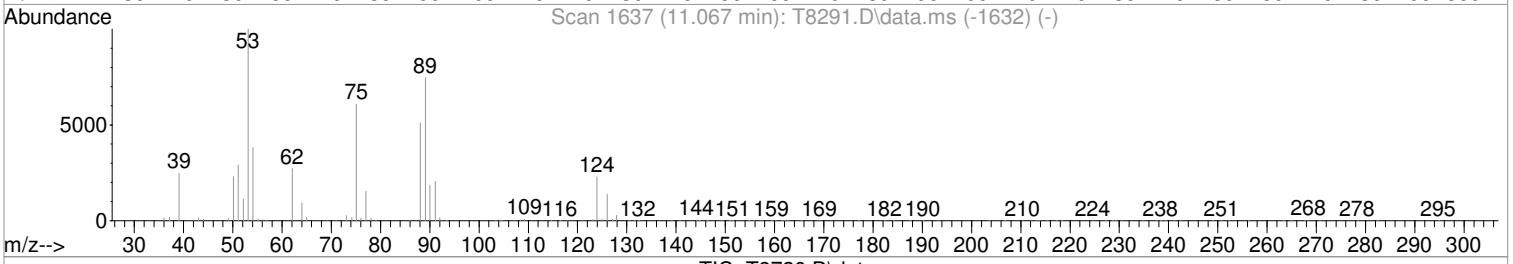
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:04:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8720.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.073min (-11.073) 0.00 ug/L

response 0

Ion	Exp%	Act%
53.10	100	0.00
89.10	74.70	0.00#
124.00	22.90	0.00#
0.00	0.00	0.00

Manual Integration:

Before

09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:15:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	242605	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	375536	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	332372	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	165128	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	21747	9.47	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 18.94%#				
46) surr1,1,2-dichloroetha...	5.793	65	27043	9.53	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 19.06%#				
64) SURR3,Toluene-d8	8.317	98	86811	9.78	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 19.56%#				
69) SURR2,BFB	10.884	95	28903	8.41	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 16.82%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	1339	0.52	ug/L		95
3) Chloromethane	1.282	50	1700	0.51	ug/L		88
4) Vinyl Chloride	1.361	62	1353	0.42	ug/L		87
5) Bromomethane	1.593	94	2863	0.73	ug/L		92
6) Chloroethane	1.672	64	1180	0.52	ug/L	#	73
7) Freon 21	1.818	67	3110	0.69	ug/L		86
8) Trichlorofluoromethane	1.867	101	1948	0.56	ug/L	#	75
9) Diethyl Ether	2.099	59	1014	0.44	ug/L	#	71
10) Freon 123a	2.099	67	1485	0.53	ug/L	#	74
11) Freon 123	2.154	83	1285	0.42	ug/L	#	65
12) Acrolein	2.209	56	1186m	1.54	ug/L		
13) 1,1-Diclethene	2.282	96	1039	0.51	ug/L	#	59
14) Freon 113	2.294	101	1044	0.50	ug/L	#	59
15) Acetone	2.331	43	1976	1.34	ug/L		85
16) 2-Propanol	2.471	45	2621	7.56	ug/L		65
17) Iodomethane	2.428	142	1081	0.33	ug/L	#	61
18) Carbon Disulfide	2.489	76	2236	0.36	ug/L		95
19) Acetonitrile	2.599	41	1240m	2.15	ug/L		
20) Allyl Chloride	2.617	76	322m	0.24	ug/L		
21) Methyl Acetate	2.648	43	2053m	0.65	ug/L		
22) Methylene Chloride	2.745	84	1320m	0.50	ug/L		
23) TBA	2.867	59	3940	6.99	ug/L		80
24) Acrylonitrile	2.995	53	3019	2.04	ug/L		80
25) Methyl-t-Butyl Ether	3.038	73	3444	0.40	ug/L		90
26) trans-1,2-Dichloroethene	3.032	96	995m	0.44	ug/L		
27) 1,1-Diclethane	3.538	63	1946m	0.46	ug/L		
28) Vinyl Acetate	3.641	86	237m	0.41	ug/L		
29) DIPE	3.666	45	3495	0.43	ug/L		81
30) 2-Chloro-1,3-Butadiene	3.660	53	1728m	0.52	ug/L		
31) ETBE	4.196	59	3487	0.48	ug/L		84
32) 2,2-Dichloropropane	4.379	77	1673	0.49	ug/L		78
33) cis-1,2-Dichloroethene	4.385	96	1389m	0.55	ug/L		
34) 2-Butanone	4.428	43	1690	0.79	ug/L		80
35) Propionitrile	4.525	54	1246m	1.99	ug/L		
36) Bromochloromethane	4.781	130	945	0.57	ug/L	#	57
37) Methacrylonitrile	4.775	67	609m	0.42	ug/L		
38) Tetrahydrofuran	4.879	42	659	0.48	ug/L		82
39) Chloroform	4.964	83	3328m	0.74	ug/L		
40) 1,1,1-Trichloroethane	5.263	97	1607m	0.50	ug/L		

1st FNJ 09/08/21
2nd 09/08/21

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:15:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Cyclohexane	5.360	41	1192m	0.47 ug/L	
44) Carbontetrachloride	5.531	117	1455m	0.53 ug/L	
45) 1,1-Dichloropropene	5.556	75	1511	0.50 ug/L	92
47) Benzene	5.891	78	4317m	0.46 ug/L	
48) 1,2-Dichloroethane	5.921	62	1654	0.47 ug/L	80
49) Iso-Butyl Alcohol	5.891	43	1294m	5.23 ug/L	
50) TAME	6.122	73	3569m	0.46 ug/L	
51) n-Heptane	6.360	43	1425	0.48 ug/L	85
52) 1-Butanol	6.866	56	1735	11.48 ug/L #	70
53) Trichloroethene	6.842	130	987	0.39 ug/L #	77
54) Methylcyclohexane	7.080	55	1307m	0.46 ug/L	
55) 1,2-Diclpropane	7.110	63	1498m	0.56 ug/L	
56) Dibromomethane	7.256	93	889m	0.50 ug/L	
57) 1,4-Dioxane	7.323	88	425m	6.90 ug/L	
58) Methyl Methacrylate	7.342	69	1105m	0.46 ug/L	
59) Bromodichloromethane	7.470	83	1191	0.36 ug/L	74
60) 2-Nitropropane	7.762	41	856	0.82 ug/L #	69
61) 2-Chloroethylvinyl Ether	7.878	63	1003m	0.60 ug/L	
62) cis-1,3-Dichloropropene	8.025	75	1681	0.43 ug/L	83
63) 4-Methyl-2-pentanone	8.220	43	1628m	0.42 ug/L	
65) Toluene	8.402	91	4786	0.48 ug/L	90
66) trans-1,3-Dichloropropene	8.659	75	1374	0.37 ug/L	77
67) Ethyl Methacrylate	8.805	69	1535	0.37 ug/L	92
68) 1,1,2-Trichloroethane	8.854	97	1243	0.52 ug/L #	70
71) Tetrachloroethene	8.982	164	691	0.39 ug/L #	68
72) 2-Hexanone	9.146	43	1513m	0.54 ug/L	
73) 1,3-Dichloropropane	9.024	76	1722	0.44 ug/L	84
74) Dibromochloromethane	9.238	129	837	0.37 ug/L #	51
75) N-Butyl Acetate	9.299	43	1858m	0.34 ug/L	
76) 1,2-Dibromoethane	9.347	107	783	0.32 ug/L #	39
77) 3-Chlorobenzotrifluoride	9.860	180	1287	0.41 ug/L	91
78) Chlorobenzene	9.829	112	2831	0.46 ug/L	88
79) 4-Chlorobenzotrifluoride	9.908	180	1270m	0.44 ug/L	
80) 1,1,1,2-Tetrachloroethane	9.921	131	946	0.44 ug/L #	71
81) Ethylbenzene	9.963	106	1627	0.51 ug/L #	59
82) (m+p)Xylene	10.067	106	2683	0.67 ug/L #	83
83) o-Xylene	10.433	106	1642	0.41 ug/L #	44
84) Styrene	10.445	104	2437	0.35 ug/L	85
85) Bromoform	10.591	173	554	0.31 ug/L #	48
86) 2-Chlorobenzotrifluoride	10.676	180	1506	0.47 ug/L #	64
87) Isopropylbenzene	10.762	105	3815	0.41 ug/L	96
88) Cyclohexanone	10.823	55	4159	6.68 ug/L	89
89) trans-1,4-Dichloro-2-B...	11.073	53	244m	0.27 ug/L	
91) 1,1,2,2-Tetrachloroethane	11.018	83	1590	0.51 ug/L	98
92) Bromobenzene	11.000	156	851	0.33 ug/L #	57
93) 1,2,3-Trichloropropane	11.054	110	471	0.45 ug/L #	48
94) n-Propylbenzene	11.115	91	4582	0.44 ug/L	91
95) 2-Chlorotoluene	11.182	91	3186	0.48 ug/L	80
96) 3-Chlorotoluene	11.231	91	2889	0.46 ug/L	84
97) 4-Chlorotoluene	11.274	91	2897	0.41 ug/L	74
98) 1,3,5-Trimethylbenzene	11.274	105	2690	0.36 ug/L	96
99) tert-Butylbenzene	11.536	119	2992	0.47 ug/L	96
100) 1,2,4-Trimethylbenzene	11.579	105	3126	0.42 ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.640	214	1339	0.59 ug/L	87
102) sec-Butylbenzene	11.725	105	4011	0.44 ug/L	83
103) p-Isopropyltoluene	11.847	119	3229	0.41 ug/L #	68

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:15:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

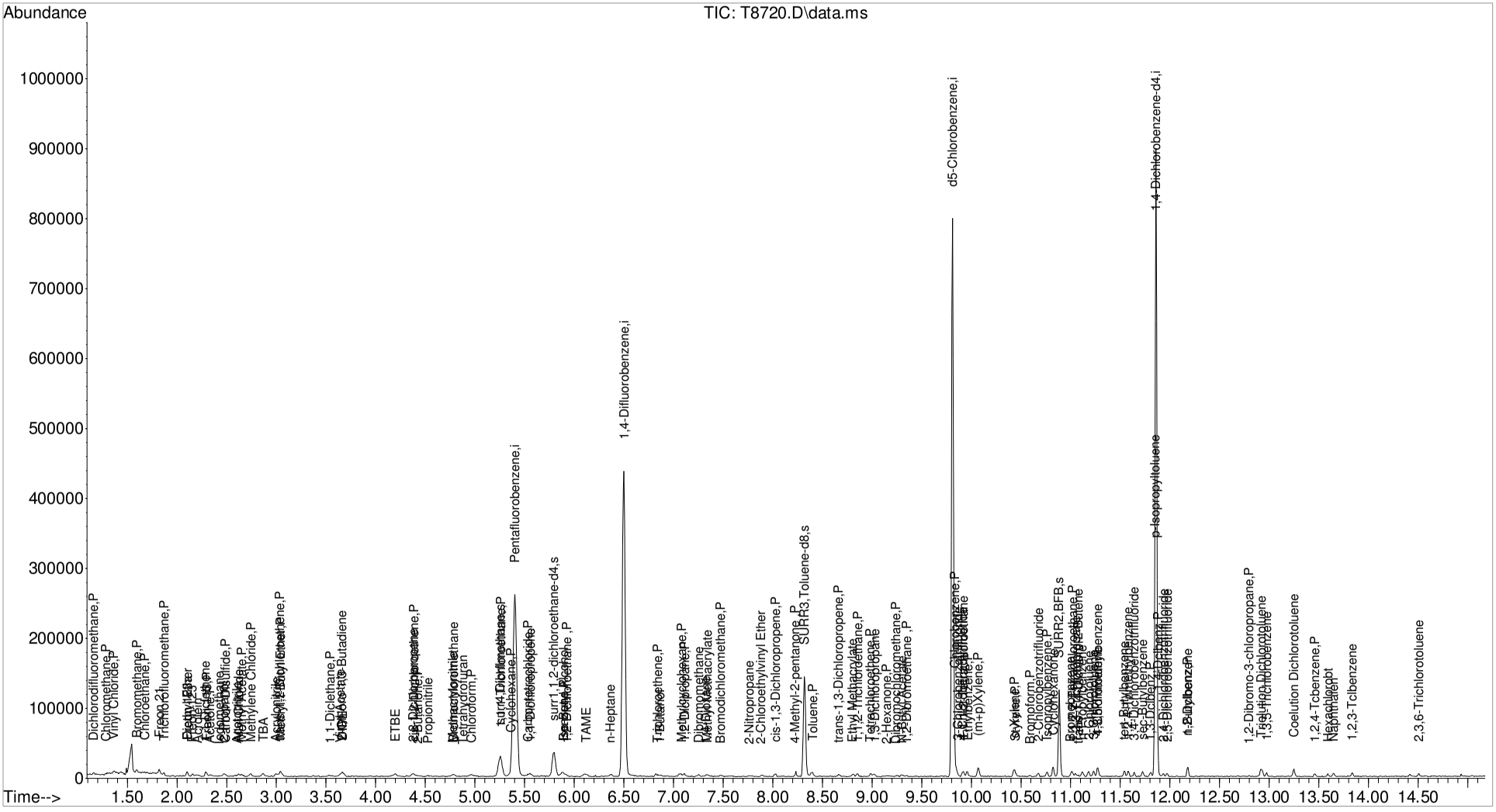
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	2177	0.48	ug/L		90
105) 1,4-Dclbenz	11.877	146	2456m	0.51	ug/L		
106) 2,4-Dichlorobenzotrifl...	11.932	214	842	0.40	ug/L		94
107) 2,5-Dichlorobenzotrifl...	11.975	214	1225	0.52	ug/L		90
108) n-Butylbenzene	12.176	91	2990	0.41	ug/L		89
109) 1,2-Dclbenz	12.176	146	1784	0.38	ug/L		84
110) 1,2-Dibromo-3-chloropr...	12.792	157	330	0.46	ug/L	#	70
111) Trielution Dichlorotol...	12.920	125	4717	1.34	ug/L		84
112) 1,3,5-Trichlorobenzene	12.975	180	1322	0.40	ug/L	#	1
113) Coelution Dichlorotoluene	13.249	125	3662	0.93	ug/L		92
114) 1,2,4-Tcbenzene	13.462	180	1097	0.37	ug/L	#	75
115) Hexachlorobt	13.591	225	612	0.51	ug/L	#	53
116) Naphthalen	13.645	128	3203	0.35	ug/L		84
117) 1,2,3-Tclbenzene	13.834	180	1599	0.54	ug/L	#	65
119) 2,3,6-Trichlorotoluene	14.505	159	740	0.44	ug/L	#	77

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8720.D
Acq On : 2 Sep 2021 11:07 am
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 09:15:47 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
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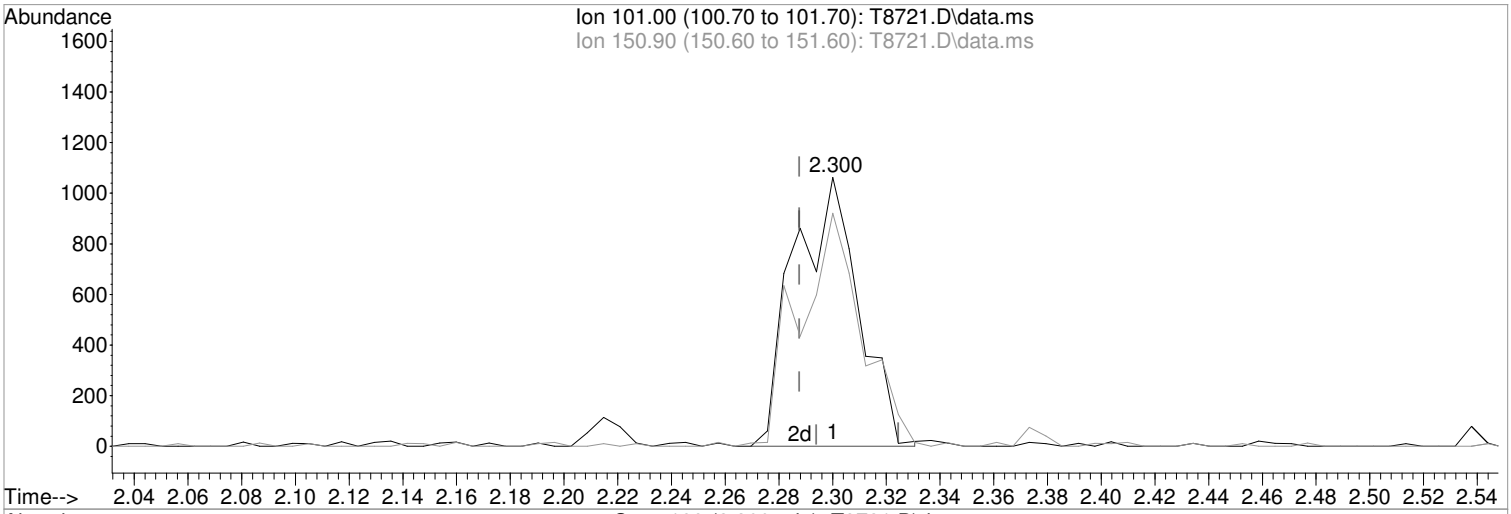


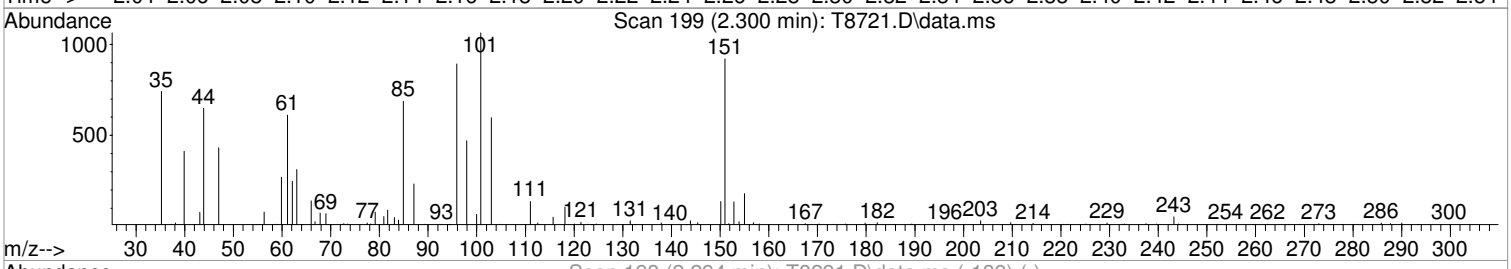
Page 278 of 523
1st FNJ 09/08/21
2nd 09/08/21

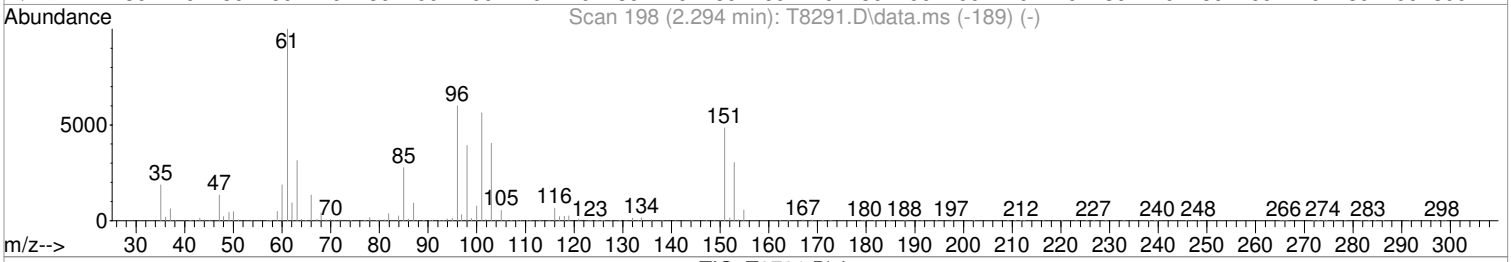
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(14) Freon 113 (P)

2.300min (+0.012) 0.87 ug/L m

response 1783

Ion	Exp%	Act%
101.00	100	100
150.90	86.00	86.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

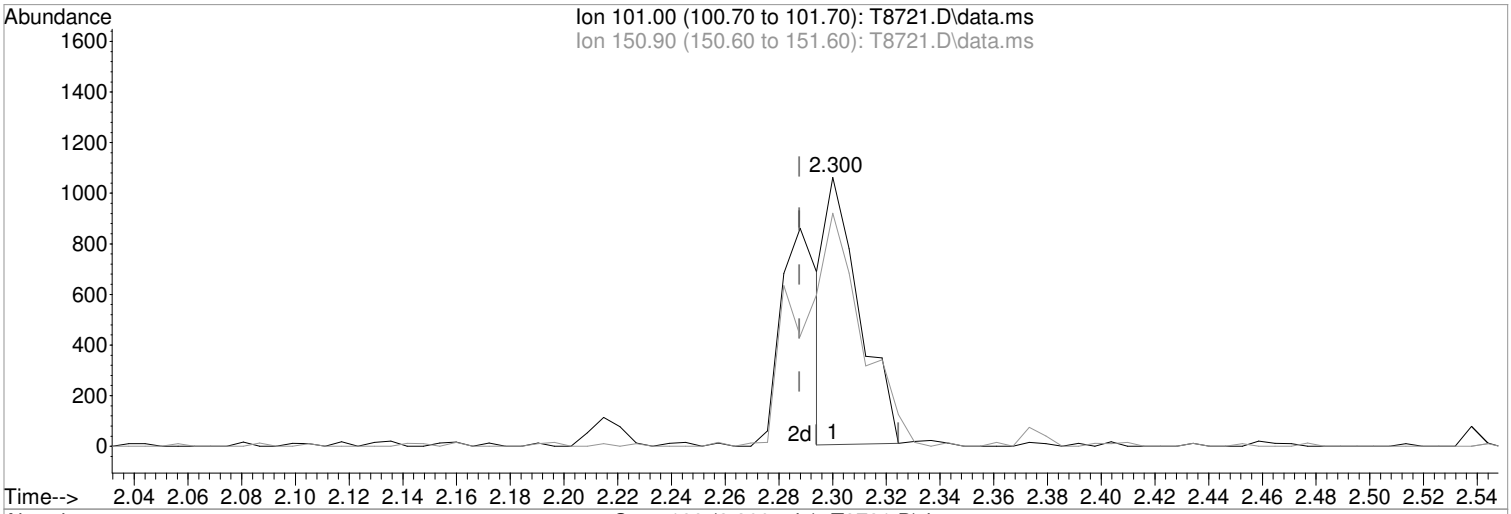
Poor integration.

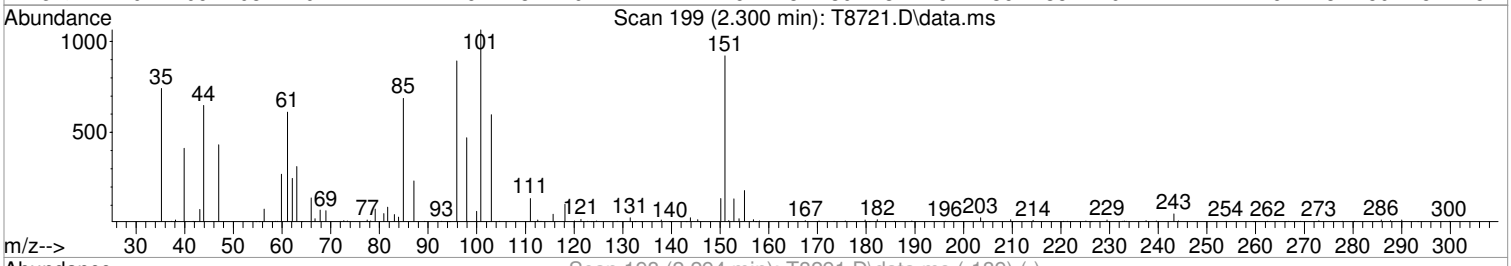
09/08/21

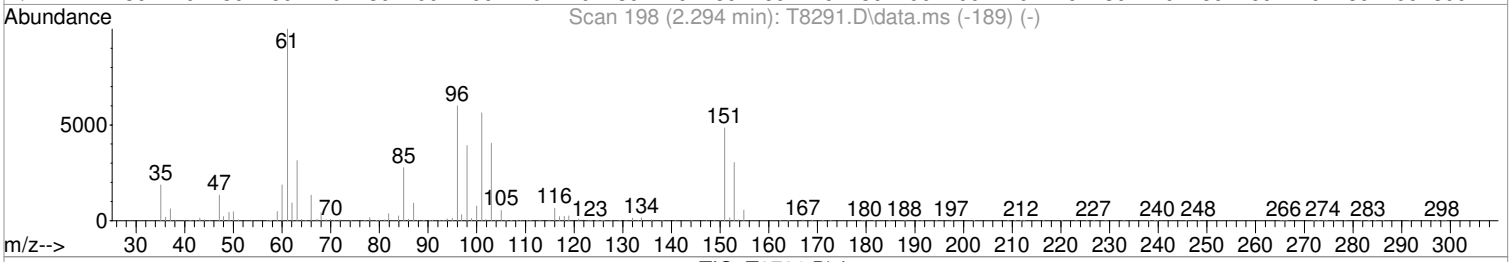
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(14) Freon 113 (P)

2.300min (+0.012) 0.45 ug/L

response 921

Ion	Exp%	Act%
101.00	100	100
150.90	86.00	86.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

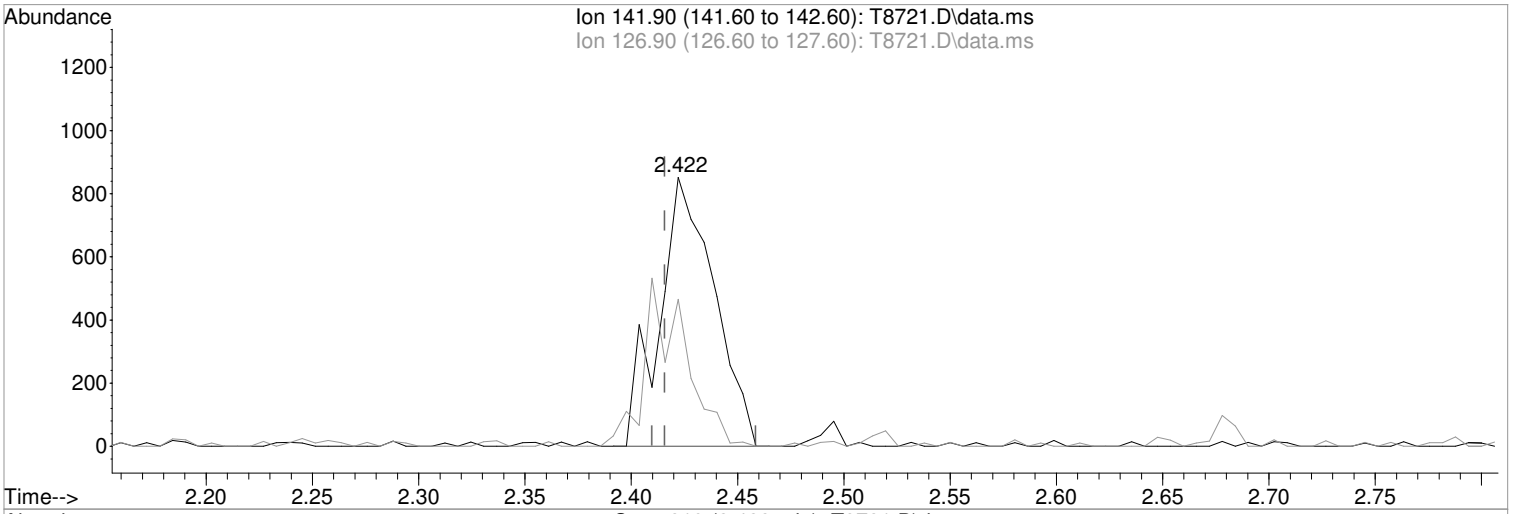
09/08/21

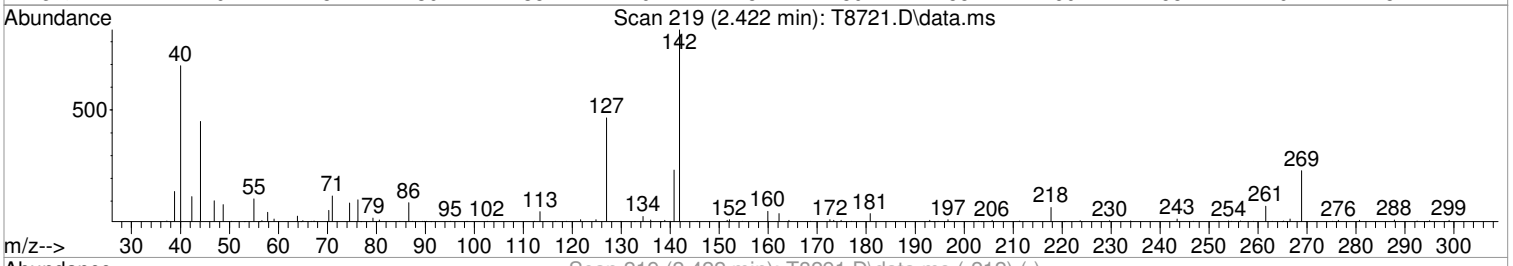
1st FN 09/08/21
2nd 09/08/21

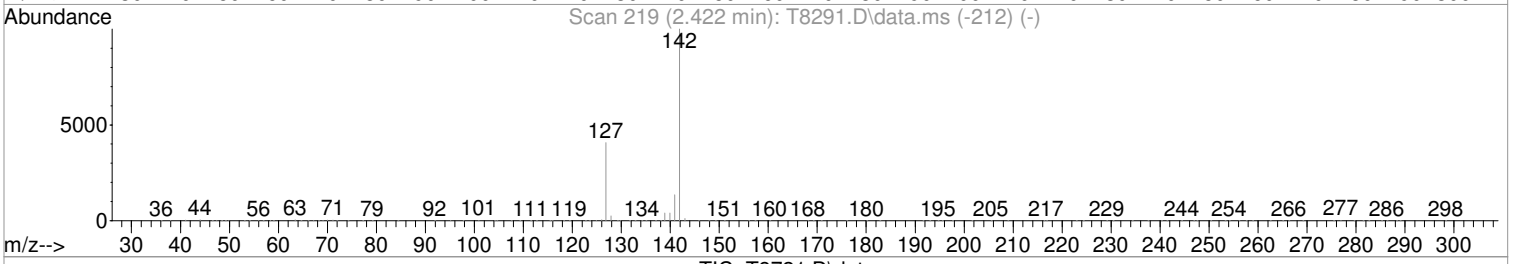
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(17) Iodomethane

2.422min (+0.006) 0.47 ug/L m

response 1528

Ion	Exp%	Act%
141.90	100	100
126.90	40.70	54.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

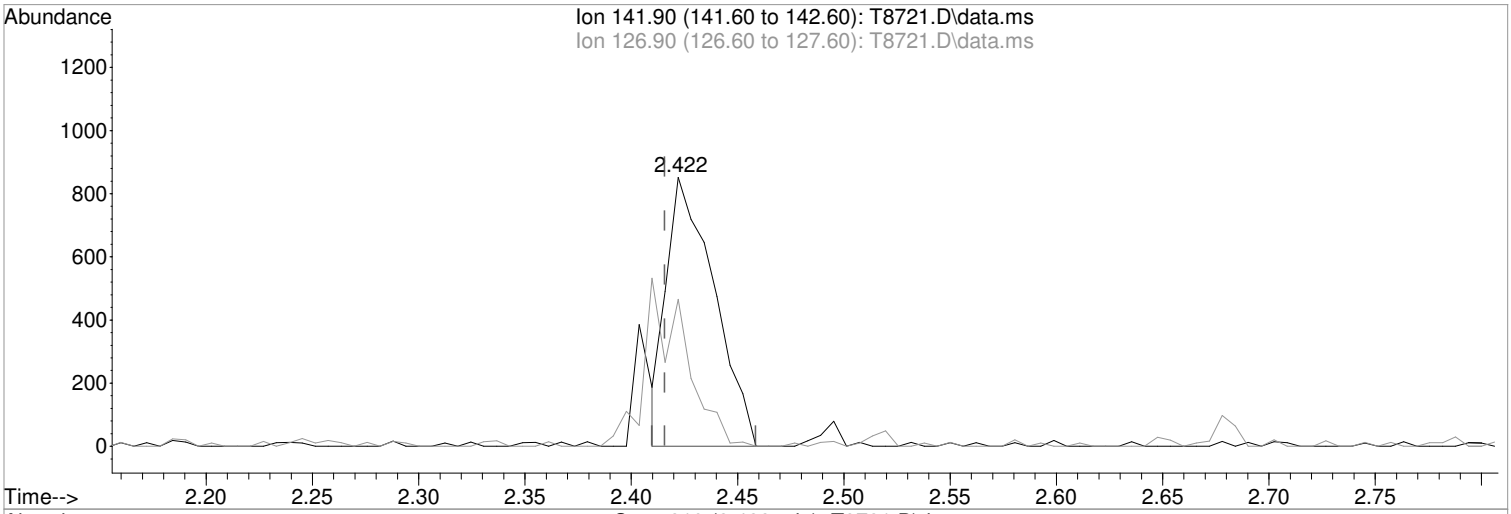
Poor integration.

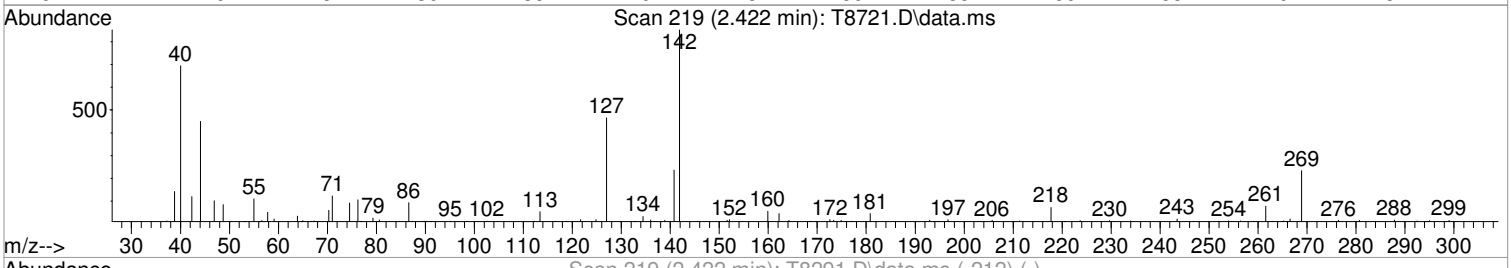
09/08/21

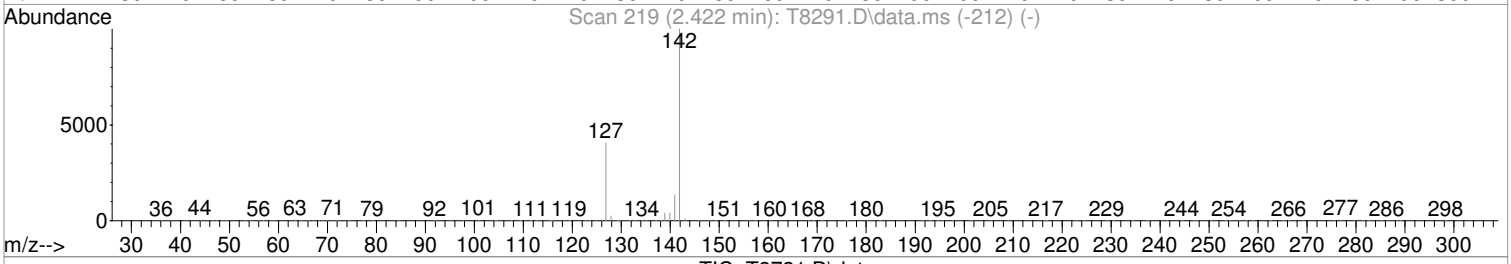
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
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Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(17) Iodomethane

2.422min (+0.006) 0.40 ug/L

response 1319

Ion	Exp%	Act%
141.90	100	100
126.90	40.70	54.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

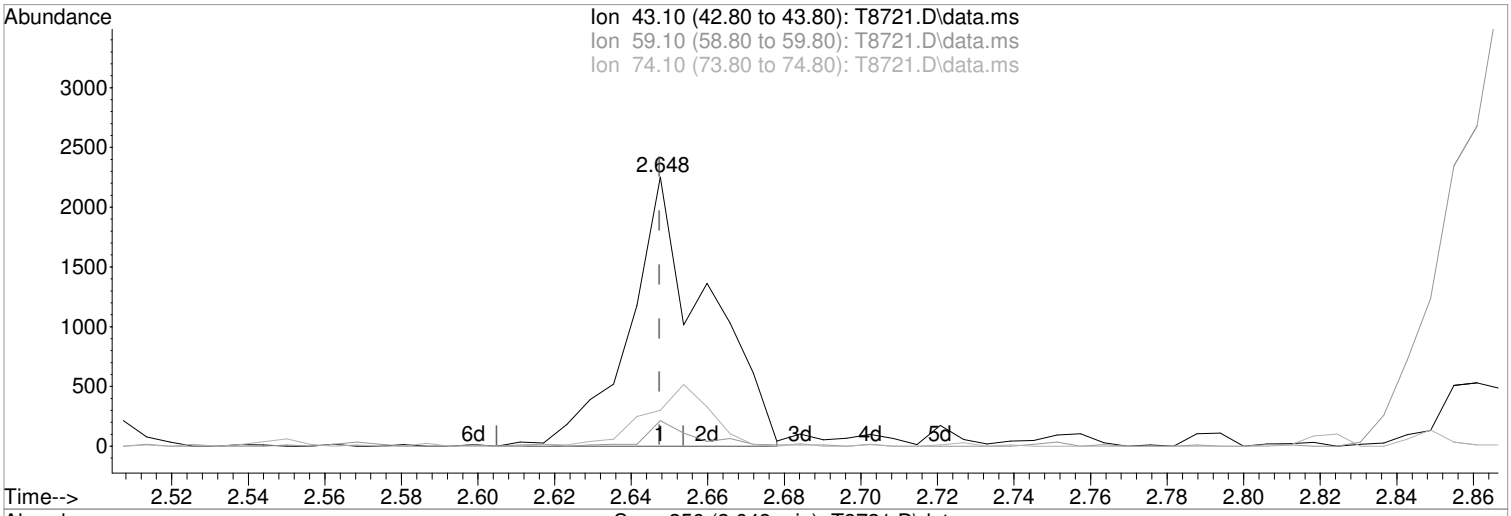
Before

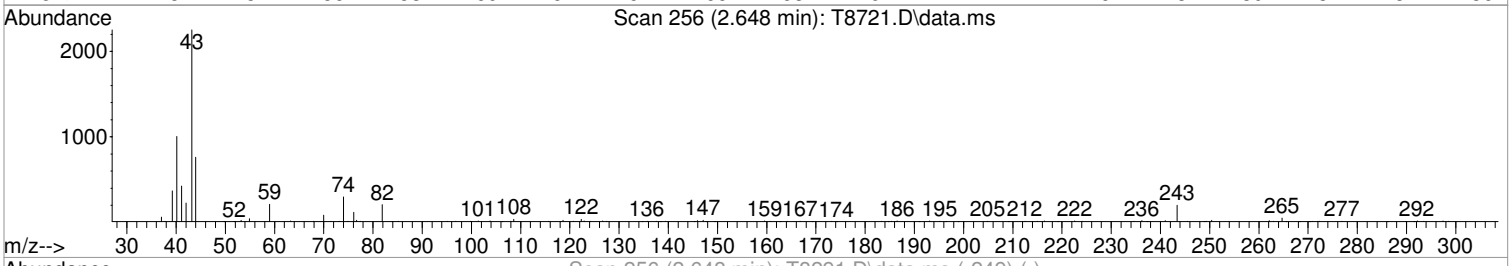
09/08/21

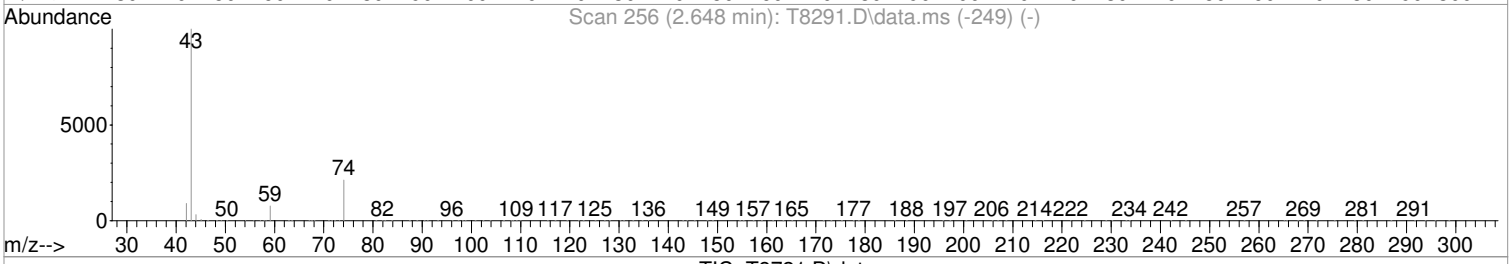
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(21) Methyl Acetate (P)

2.648min (+0.000) 1.01 ug/L m

response 3162

Ion	Exp%	Act%
43.10	100	100
59.10	7.70	9.51
74.10	21.20	13.28
0.00	0.00	0.00

Manual Integration:

After

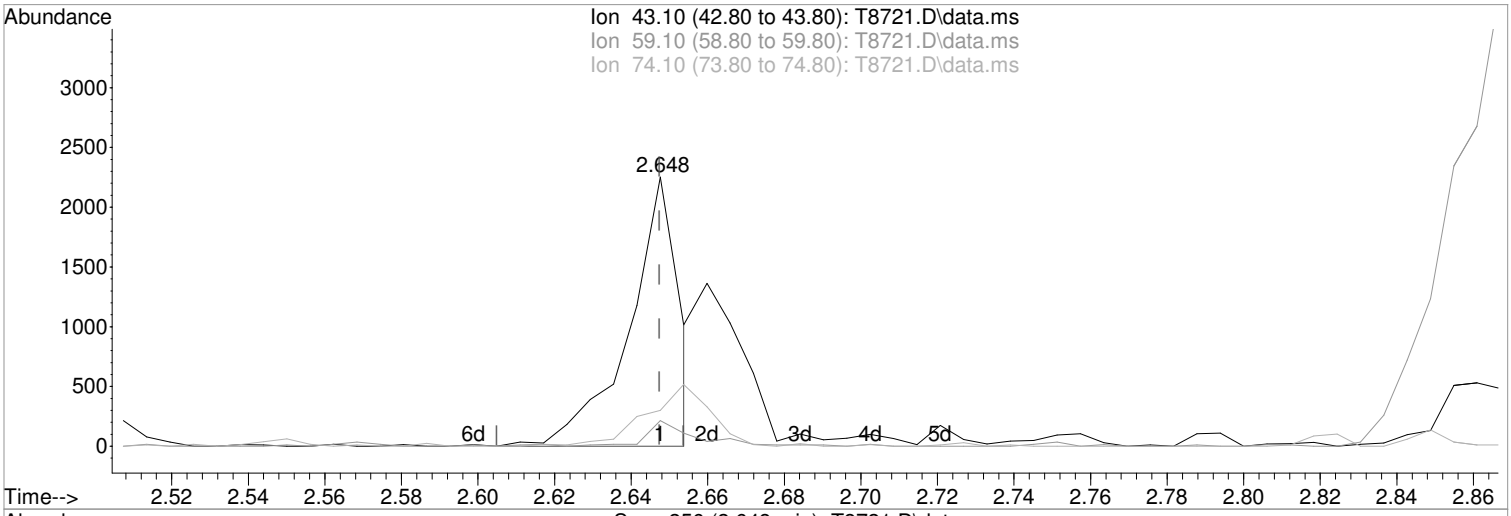
Poor integration.

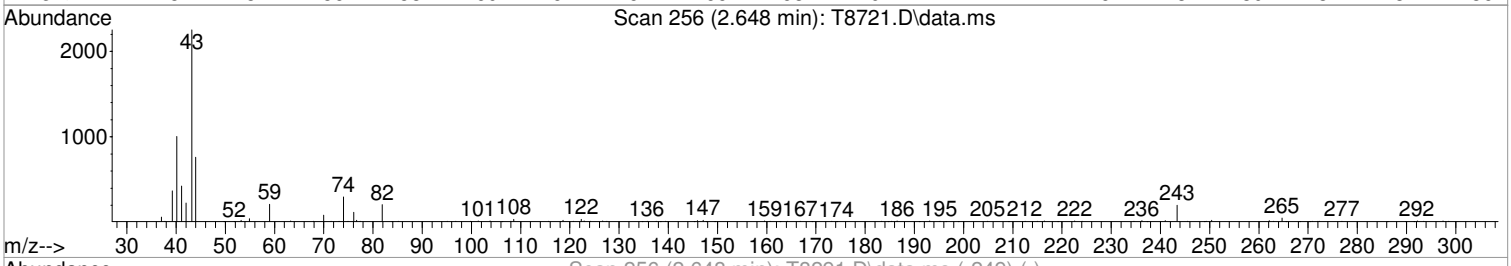
09/08/21

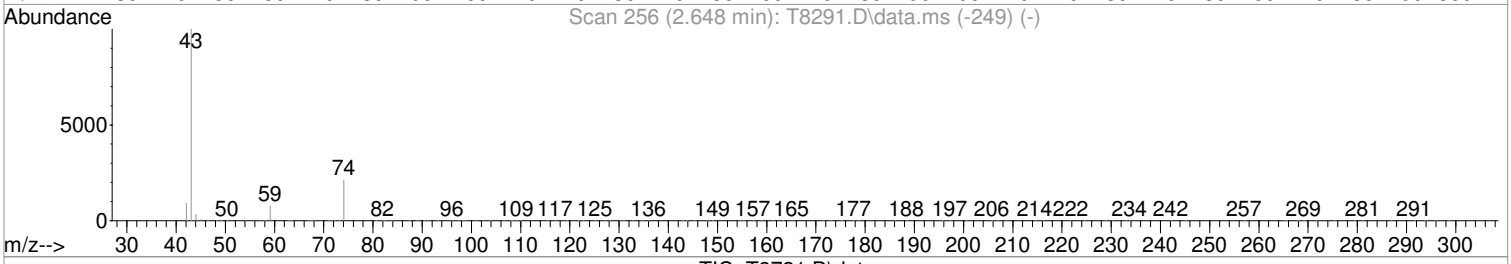
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(21) Methyl Acetate (P)

2.648min (+0.000) 0.65 ug/L

response 2047

Ion	Exp%	Act%
43.10	100	100
59.10	7.70	9.51
74.10	21.20	13.28
0.00	0.00	0.00

Manual Integration:

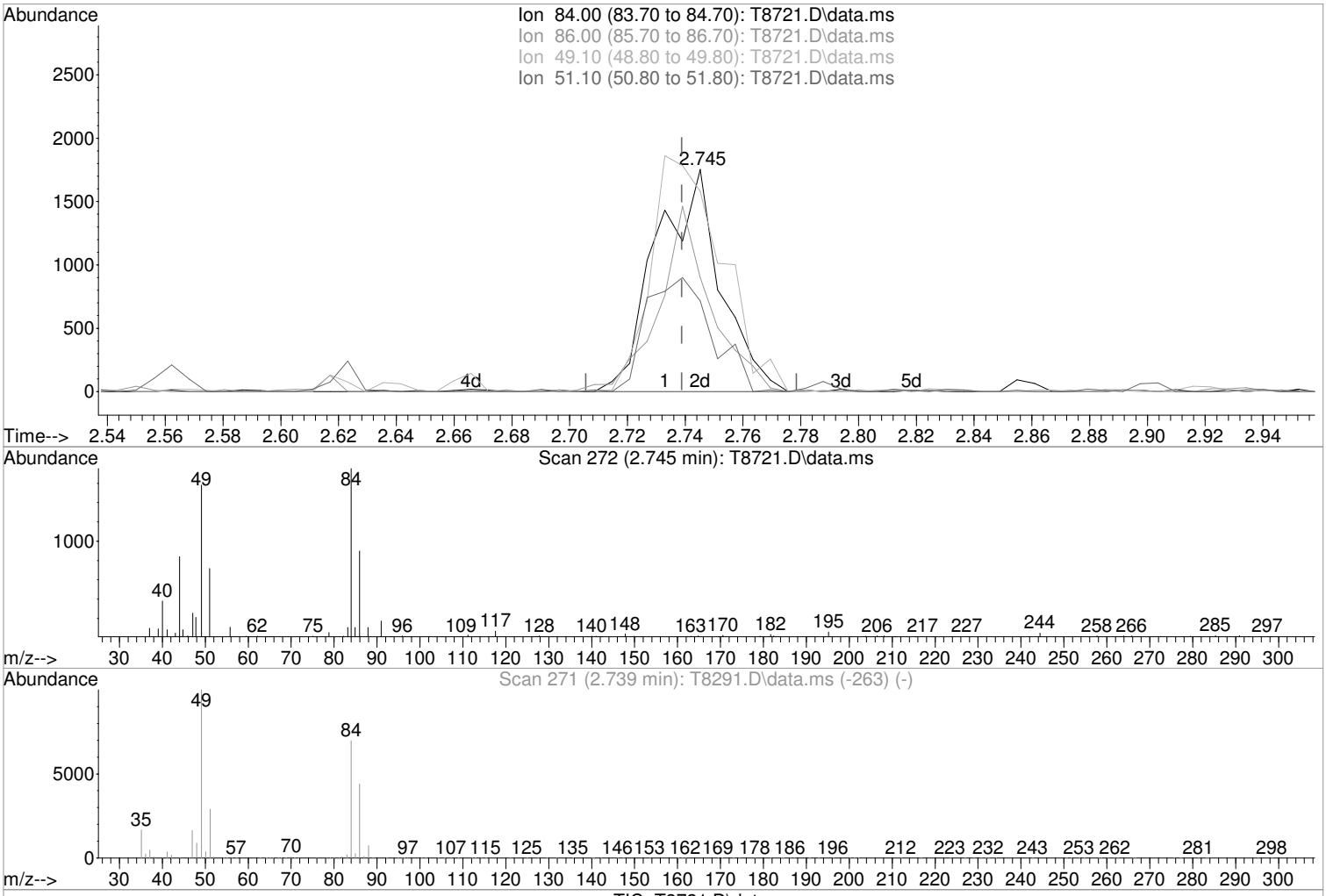
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(22) Methylene Chloride (P)

2.745min (+0.006) 1.05 ug/L m

response 2722

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	51.28
49.10	143.30	90.19#
51.10	41.60	40.84

Manual Integration:

After

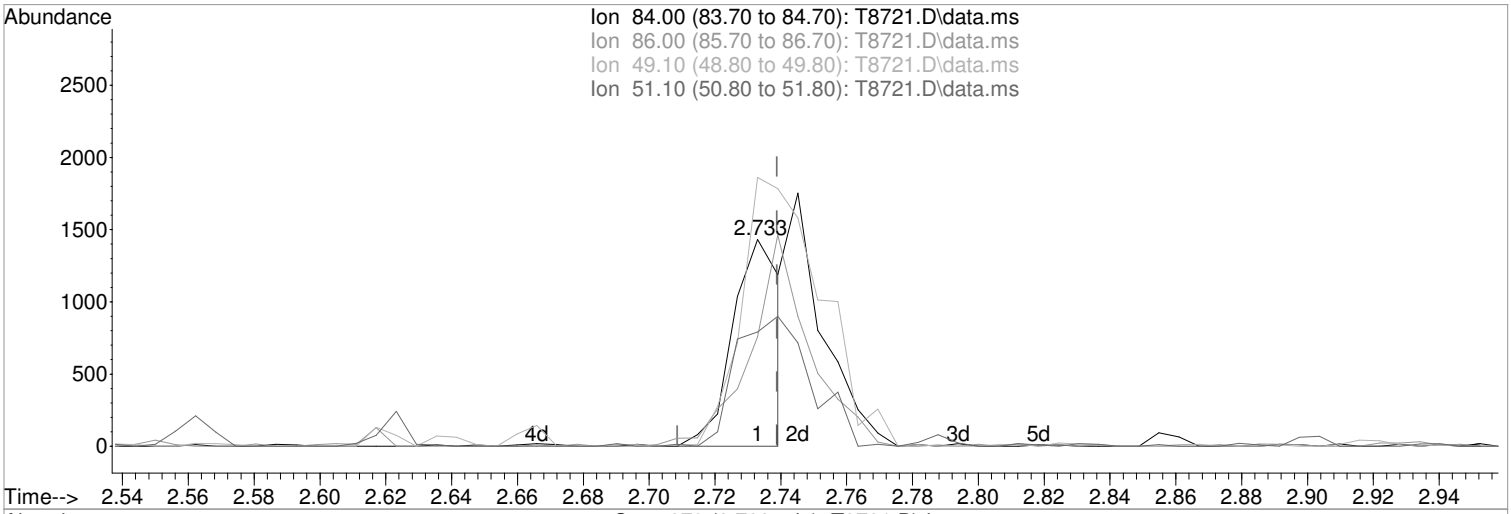
Poor integration.

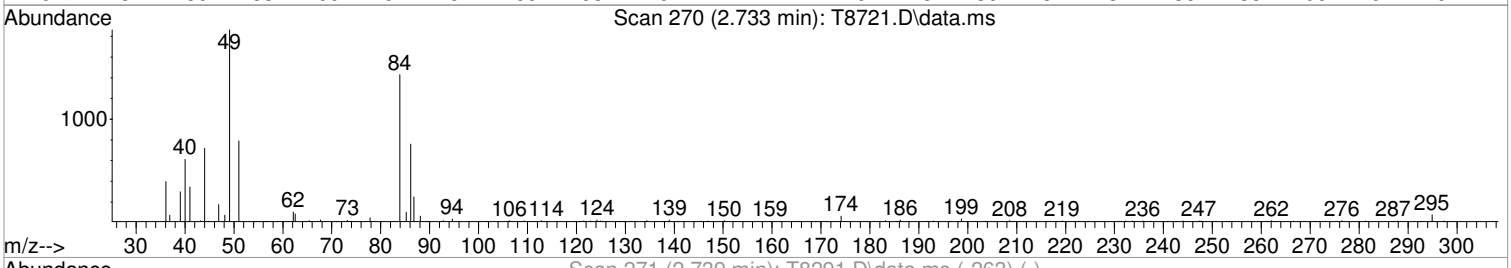
09/08/21

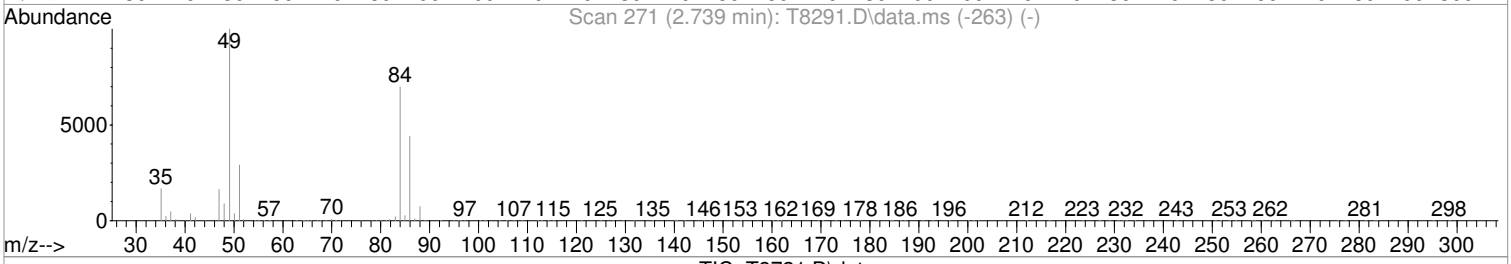
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(22) Methylene Chloride (P)

2.733min (-0.006) 0.56 ug/L

response 1448

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	52.97
49.10	143.30	130.19
51.10	41.60	55.28

Manual Integration:

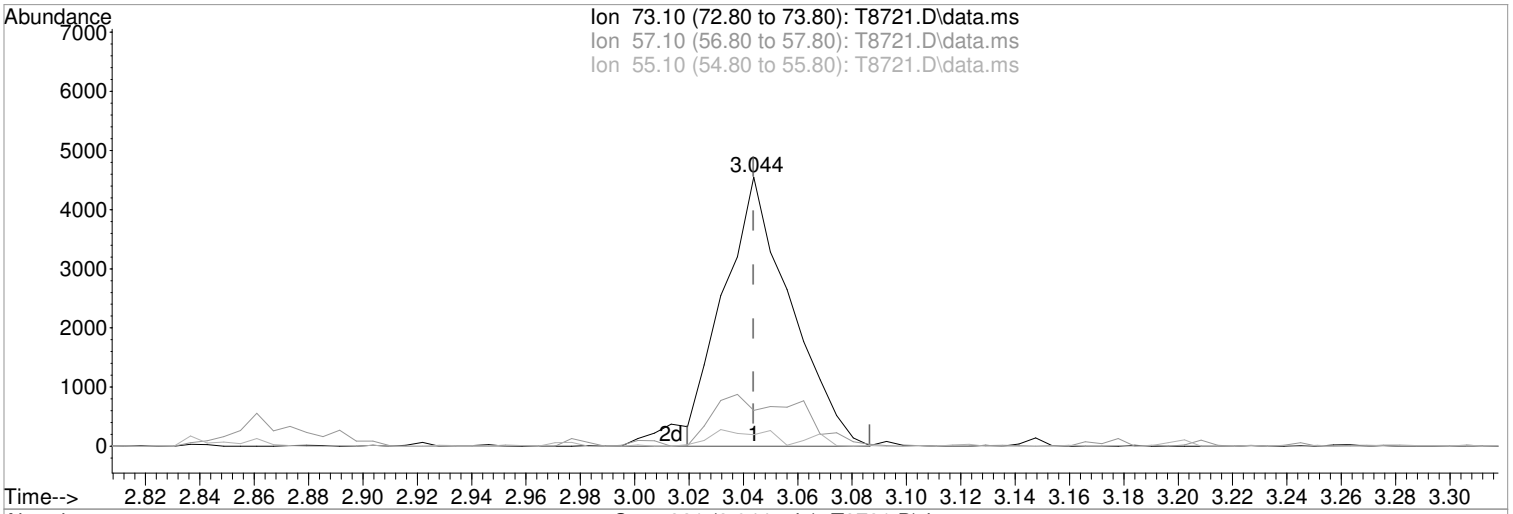
Before

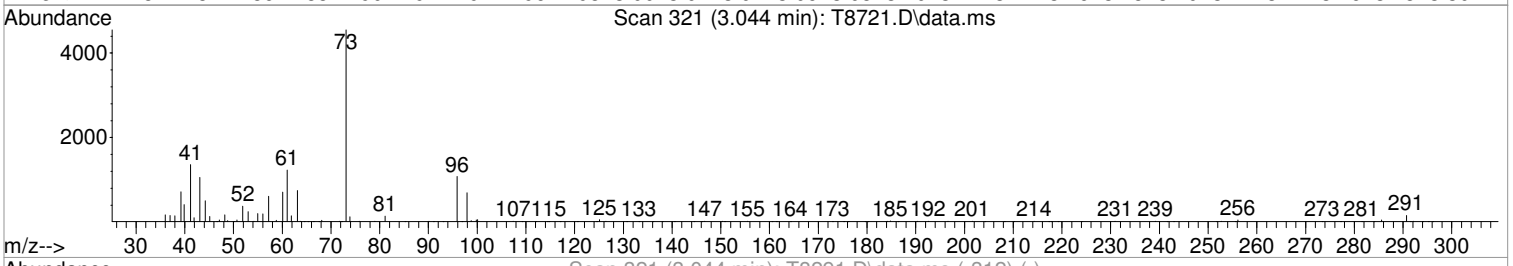
09/08/21

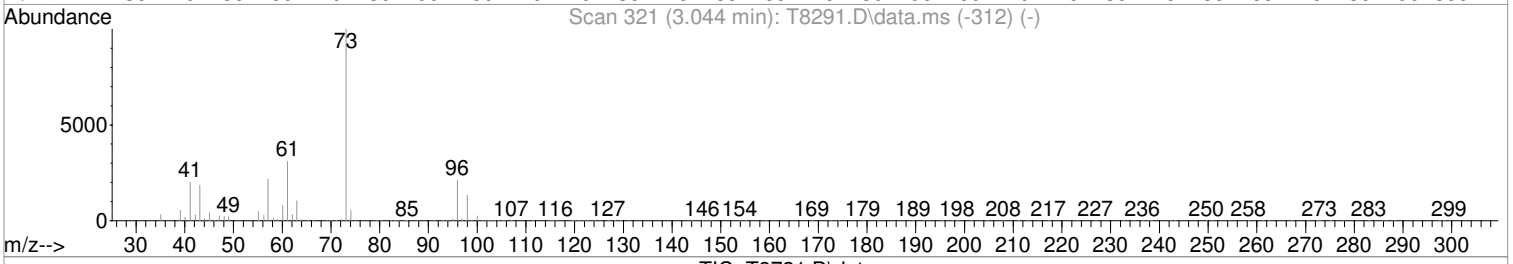
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

3.044min (+0.000) 0.96 ug/L m

response 8130

Ion	Exp%	Act%
73.10	100	100
57.10	21.80	13.34
55.10	4.90	4.33
0.00	0.00	0.00

Manual Integration:

After

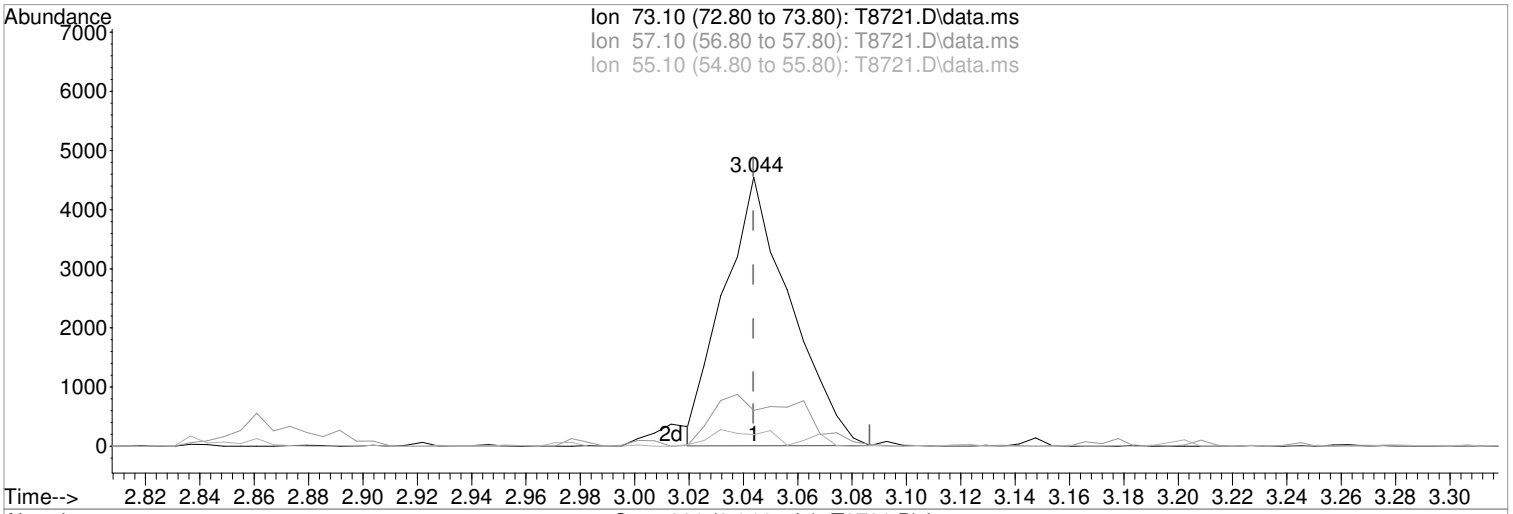
Poor integration.

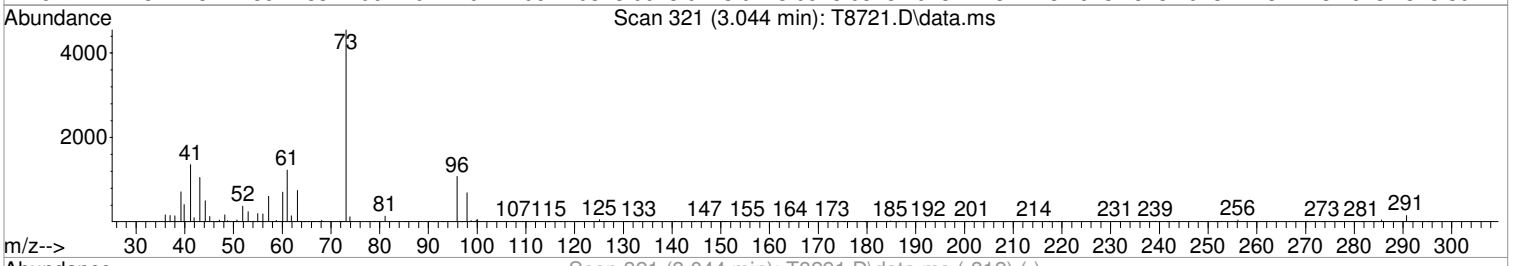
09/08/21

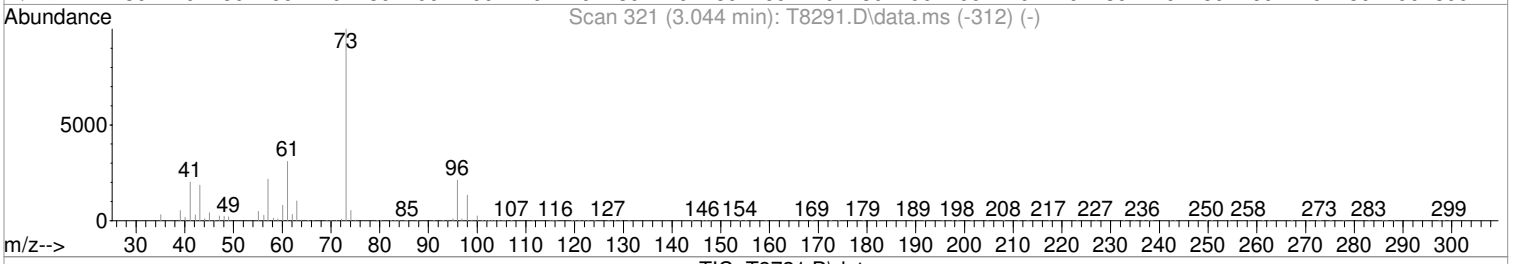
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

3.044min (+0.000) 0.91 ug/L

response 7711

Ion	Exp%	Act%
73.10	100	100
57.10	21.80	13.34
55.10	4.90	4.33
0.00	0.00	0.00

Manual Integration:

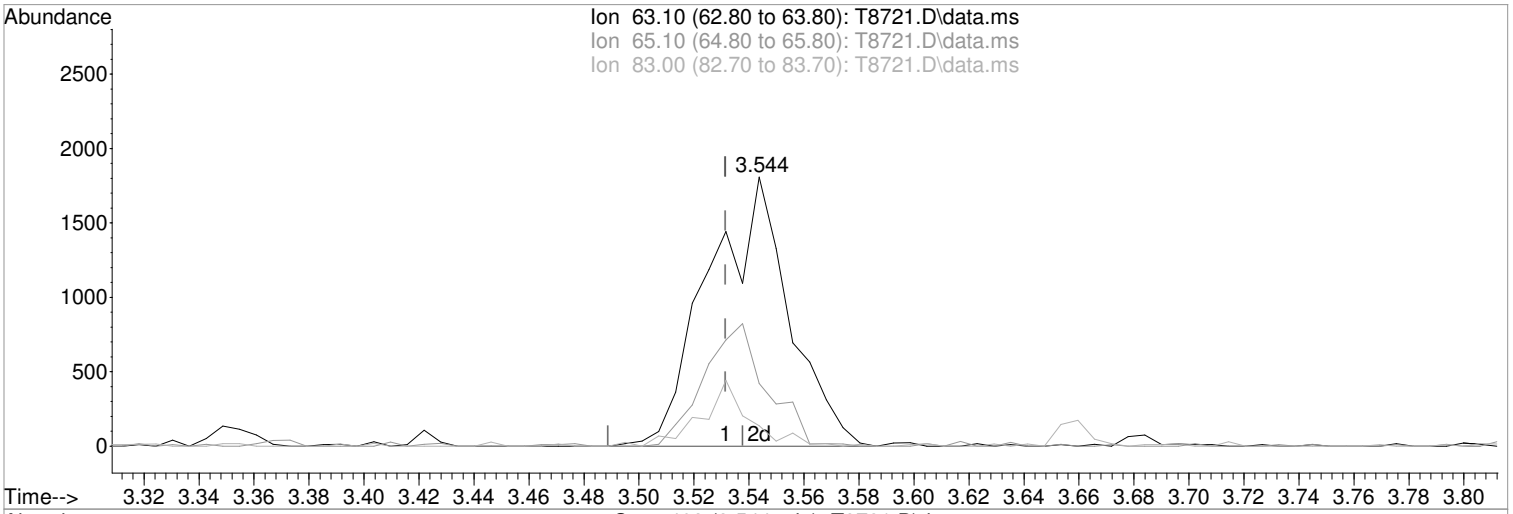
Before

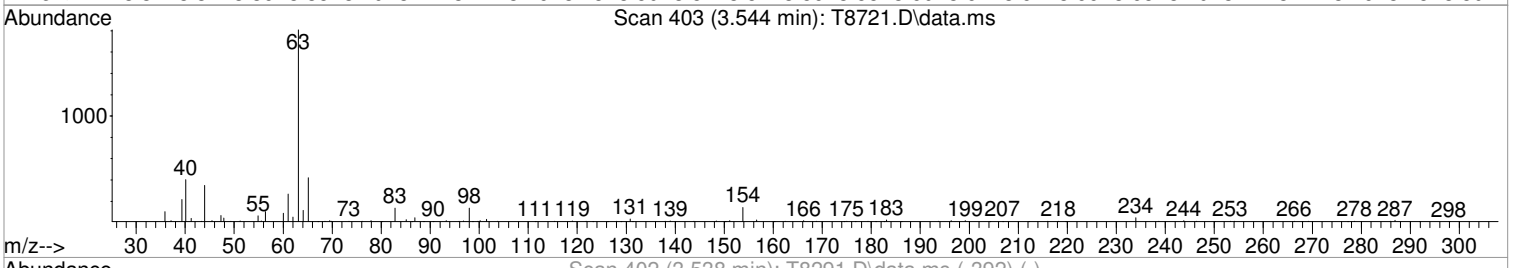
09/08/21

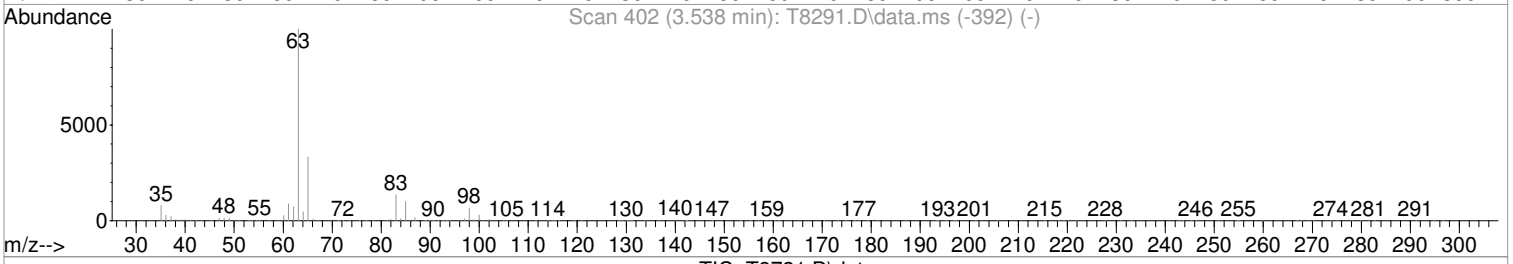
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(27) 1,1-Diclethane (P)

3.544min (+0.012) 0.88 ug/L m

response 3675

Ion	Exp%	Act%
63.10	100	100
65.10	33.30	23.34
83.00	13.50	7.58
0.00	0.00	0.00

Manual Integration:

After

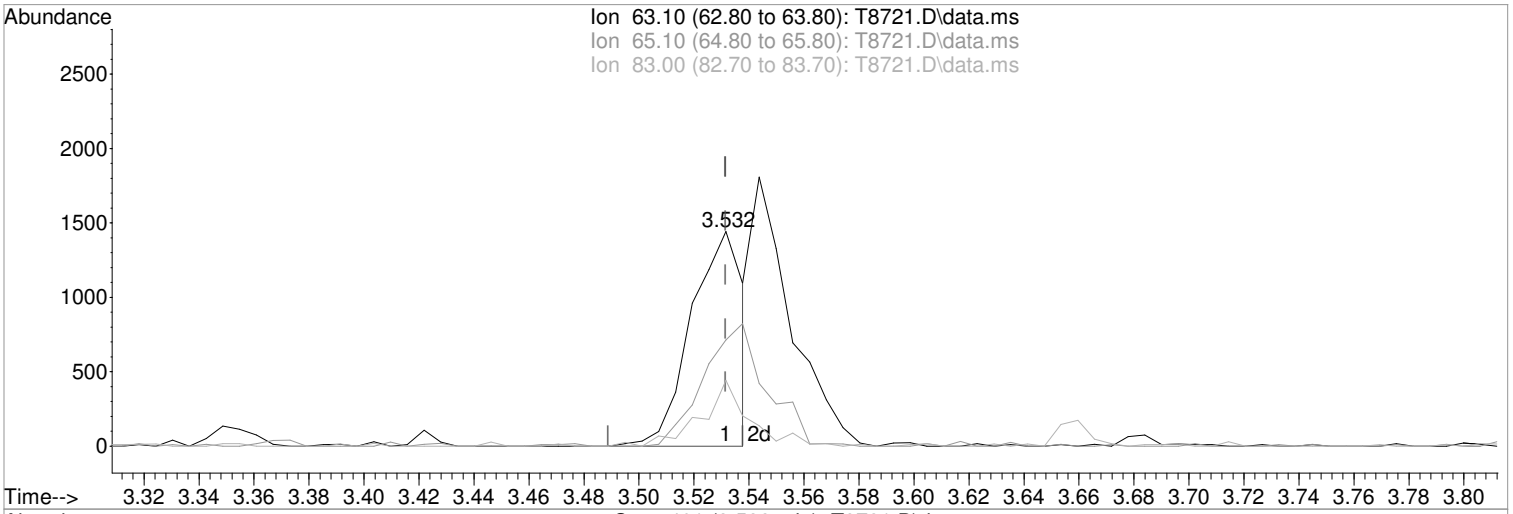
Poor integration.

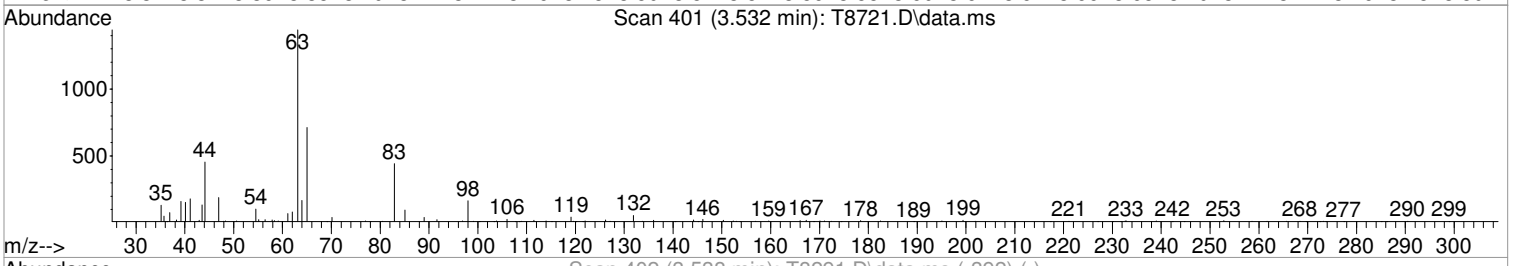
09/08/21

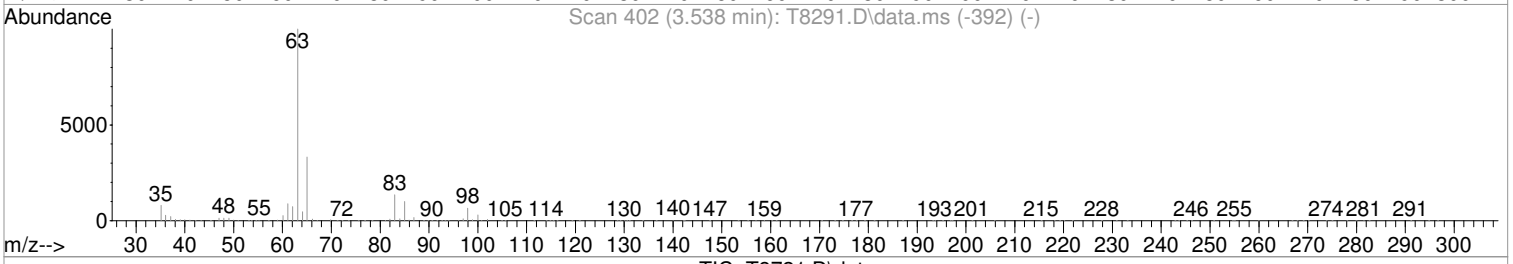
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(27) 1,1-Diclethane (P)

3.532min (+0.000) 0.46 ug/L

response 1900

Ion	Exp%	Act%
63.10	100	100
65.10	33.30	49.45
83.00	13.50	30.65
0.00	0.00	0.00

Manual Integration:

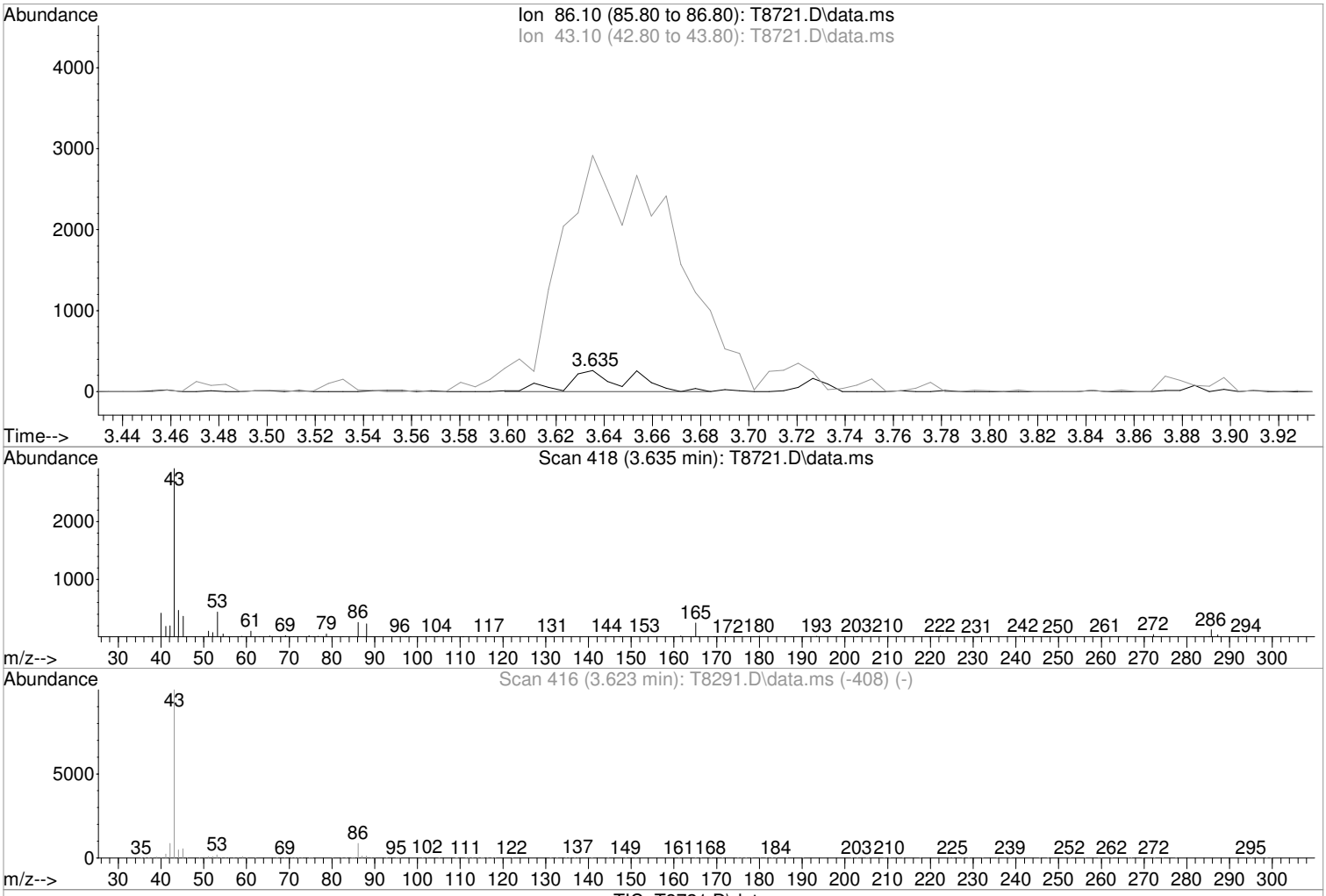
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(28) Vinyl Acetate

3.635min (+0.006) 0.82 ug/L m

response 470

Ion	Exp%	Act%
86.10	100	100
43.10	1150.60	1125.87#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

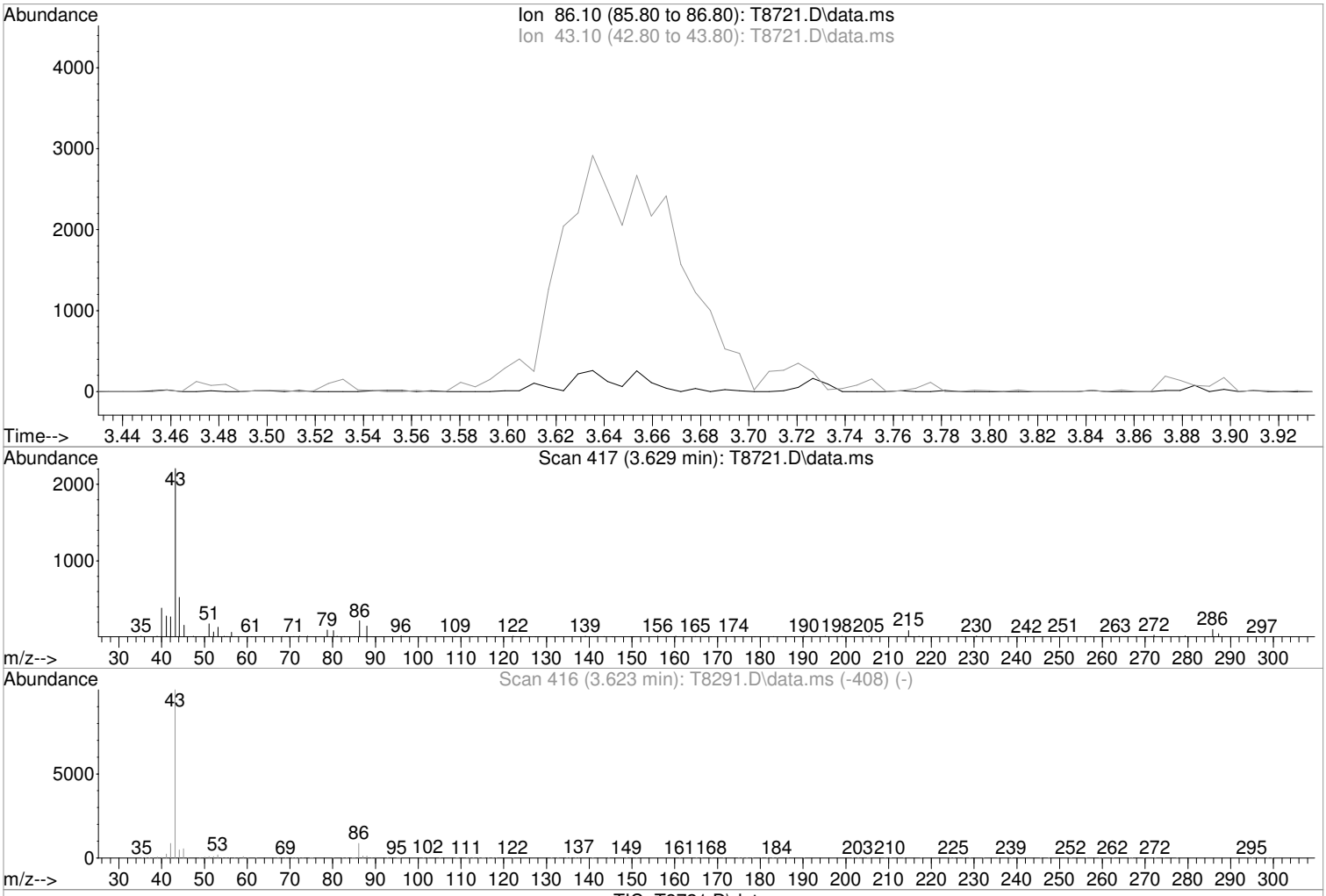
Peak not found.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(28) Vinyl Acetate

3.629min (-3.629) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.10	100	0.00
43.10	1150.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

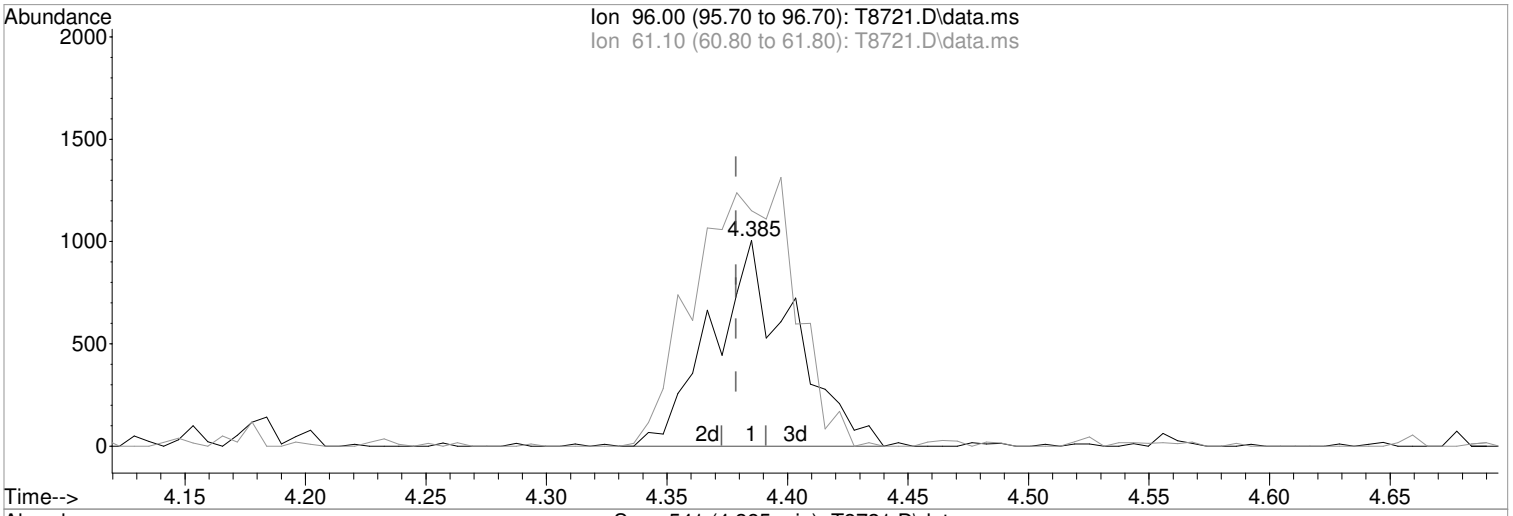
Before

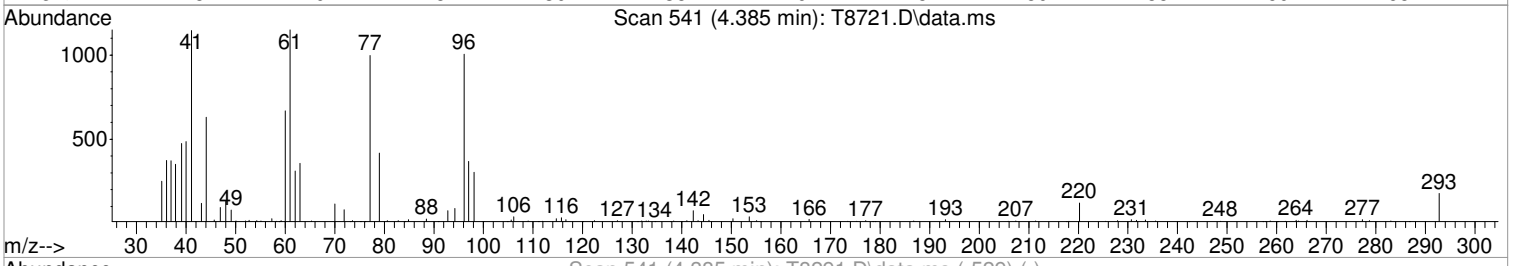
09/08/21

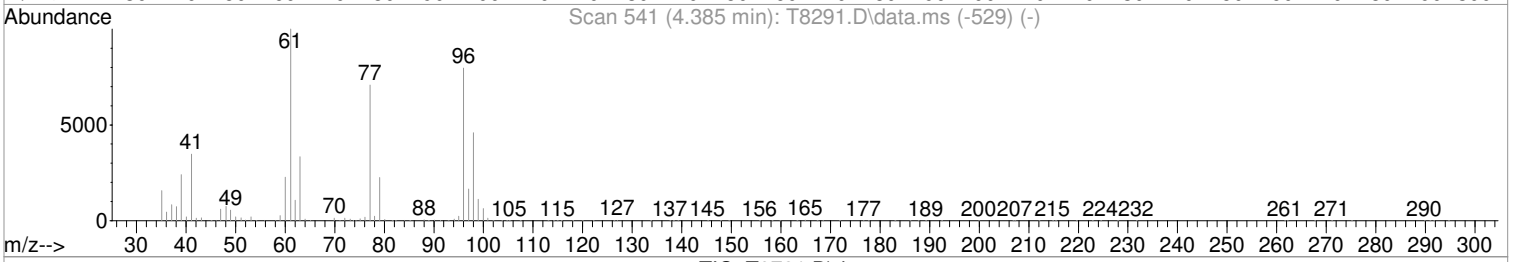
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

4.385min (+0.006) 0.94 ug/L m

response 2353

Ion	Exp%	Act%
96.00	100	100
61.10	125.60	114.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

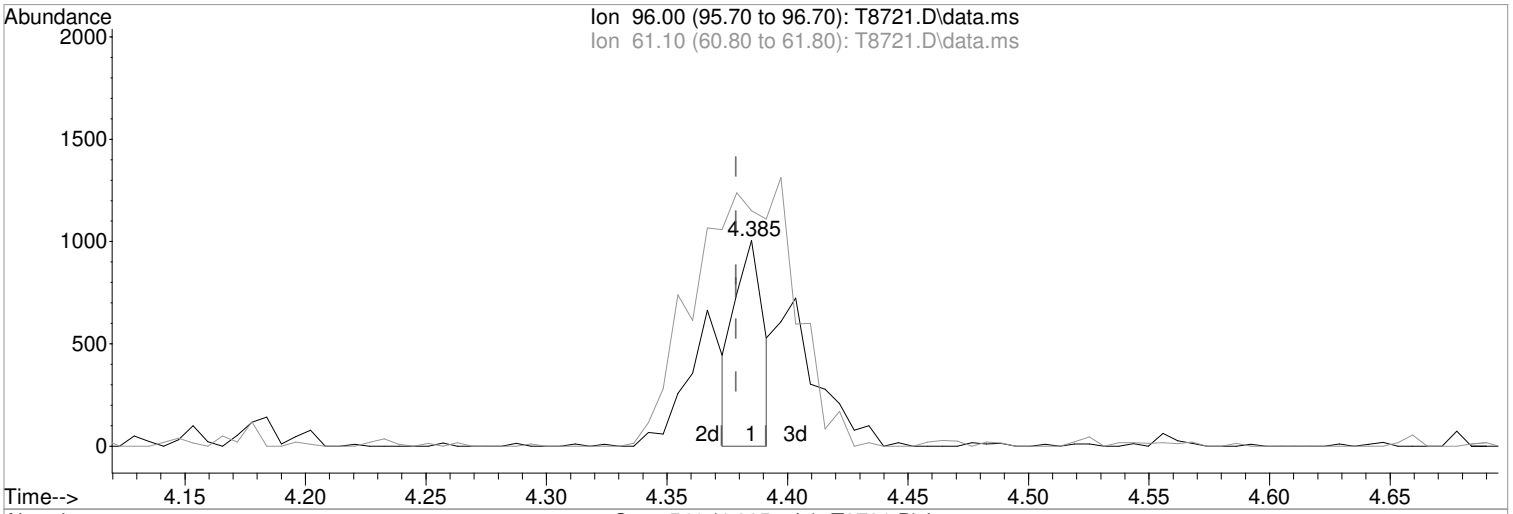
Poor integration.

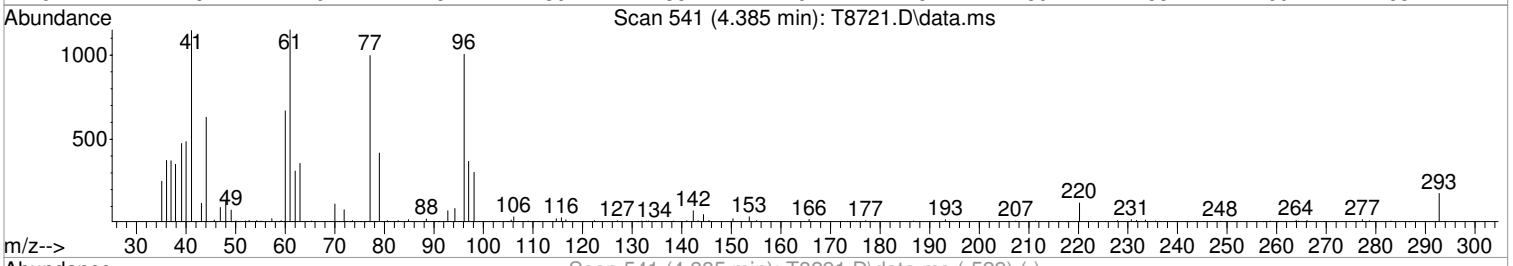
09/08/21

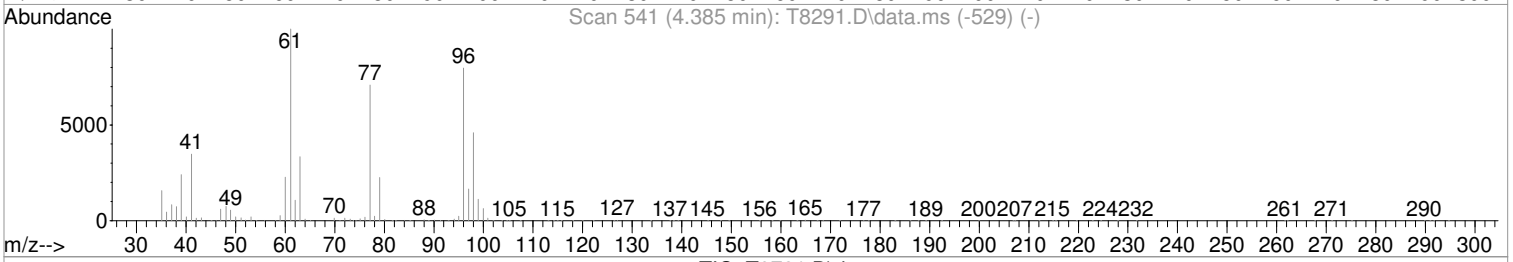
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

4.385min (+0.006) 0.33 ug/L

response 834

Ion	Exp%	Act%
96.00	100	100
61.10	125.60	114.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

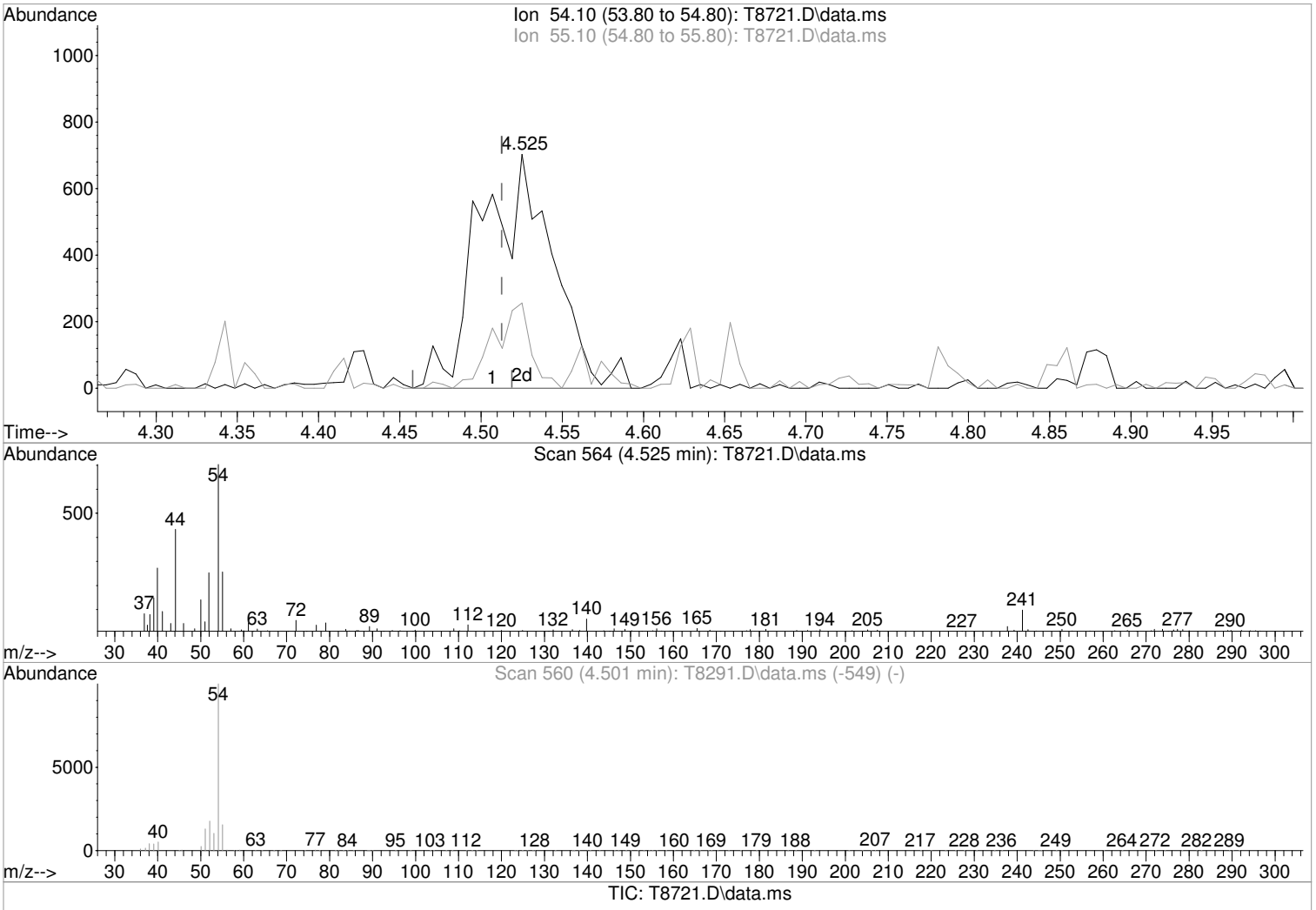
09/08/21

1st FN 09/08/21
2nd 09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(35) Propionitrile

4.525min (+0.012) 3.52 ug/L m

response 2195

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	36.42#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

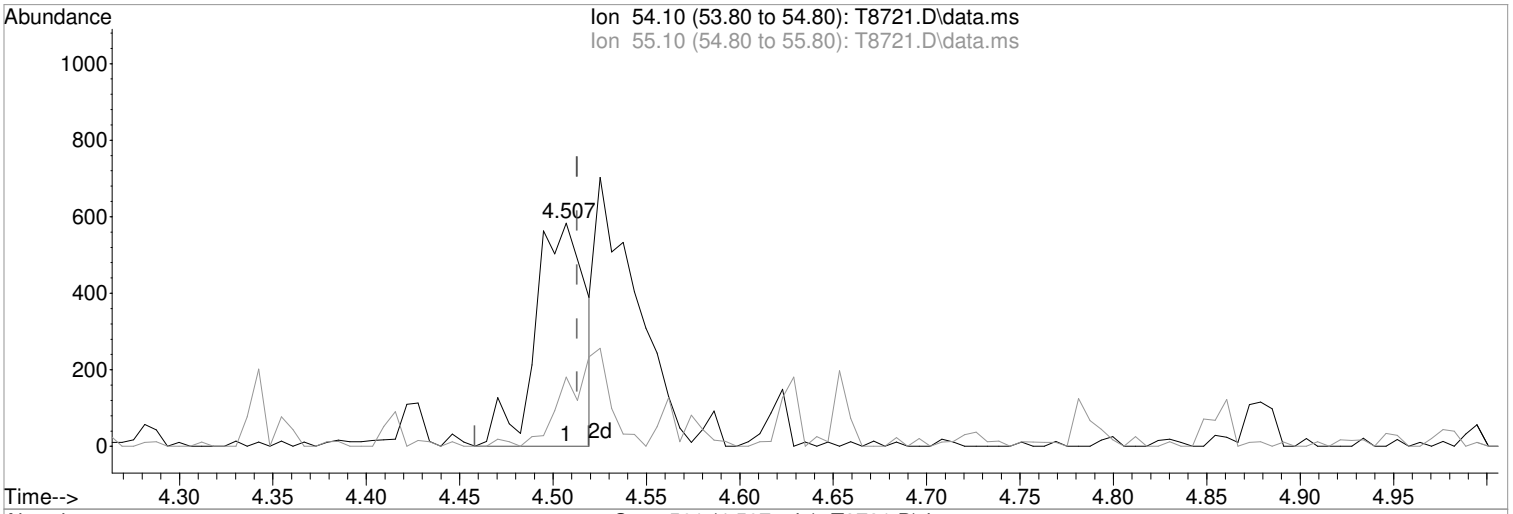
Poor integration.

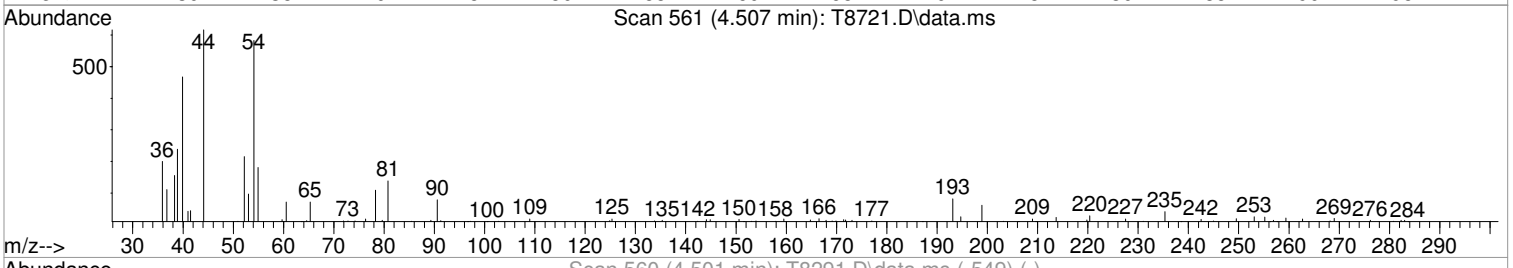
09/08/21

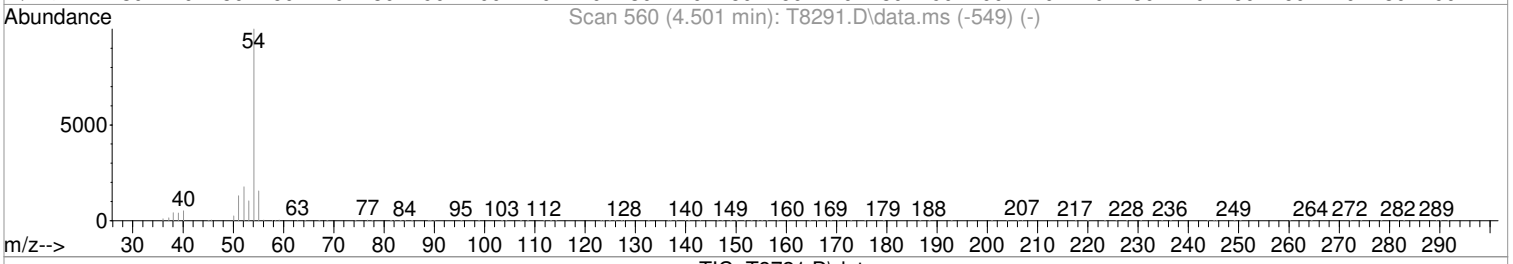
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(35) Propionitrile

4.507min (-0.006) 1.75 ug/L

response 1088

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	31.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

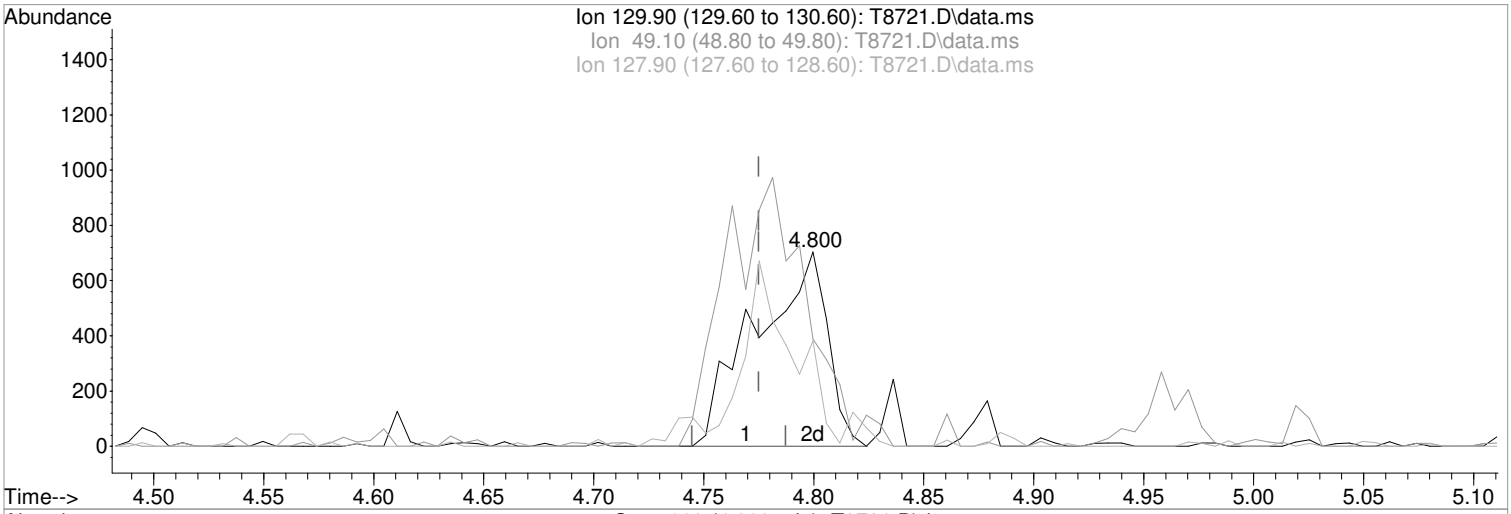
Before

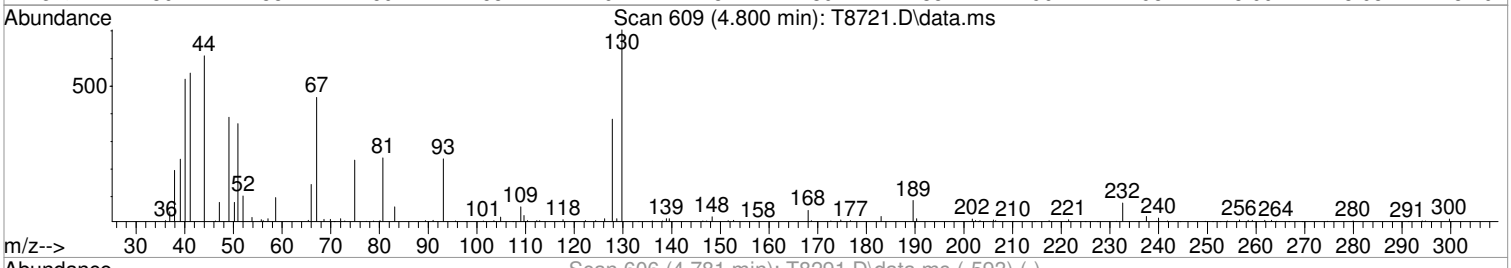
09/08/21

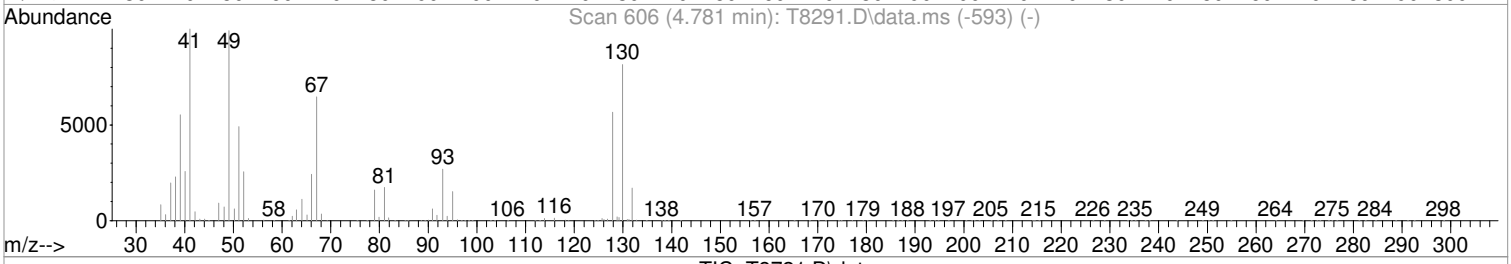
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(36) Bromochloromethane

4.800min (+0.025) 0.97 ug/L m

response 1590

Ion	Exp%	Act%
129.90	100	100
49.10	121.80	55.11#
127.90	69.40	54.12
0.00	0.00	0.00

Manual Integration:

After

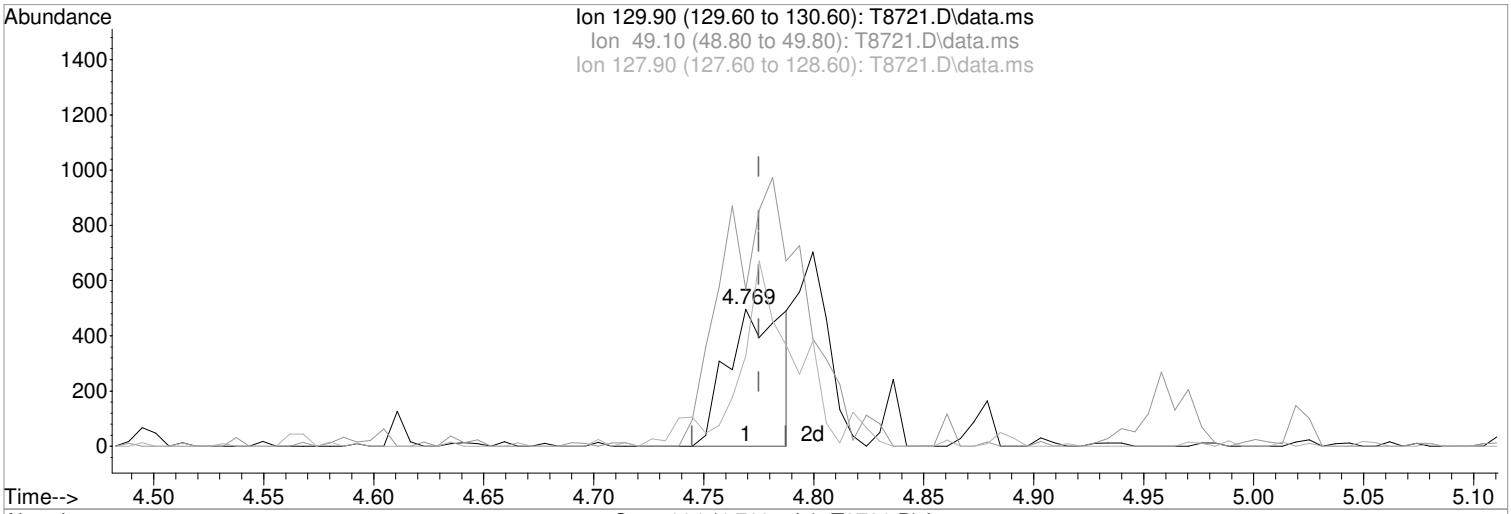
Poor integration.

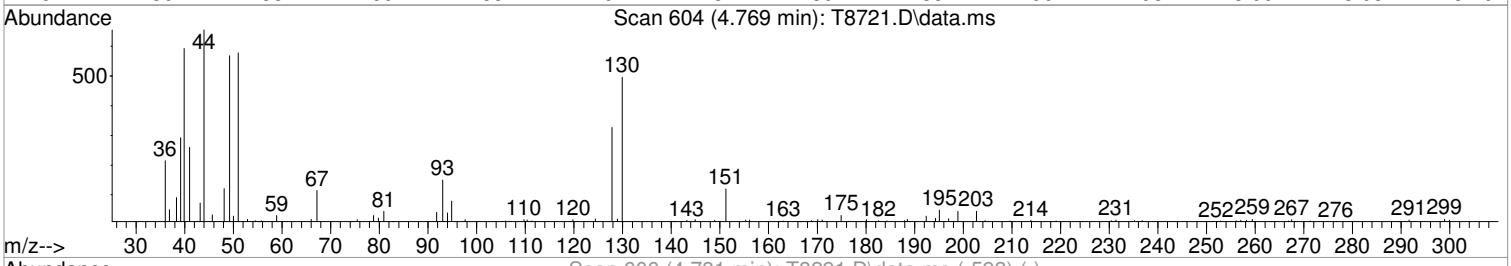
09/08/21

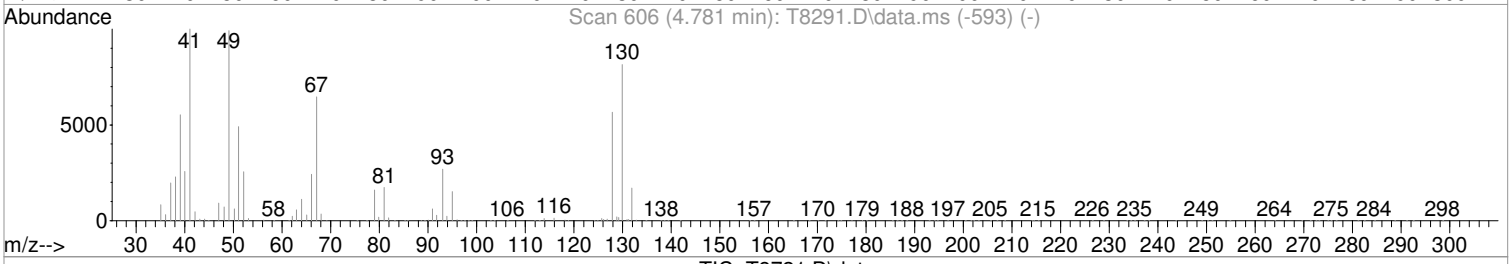
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(36) Bromochloromethane

4.769min (-0.006) 0.55 ug/L

response 897

Ion	Exp%	Act%
129.90	100	100
49.10	121.80	114.52
127.90	69.40	65.93
0.00	0.00	0.00

Manual Integration:

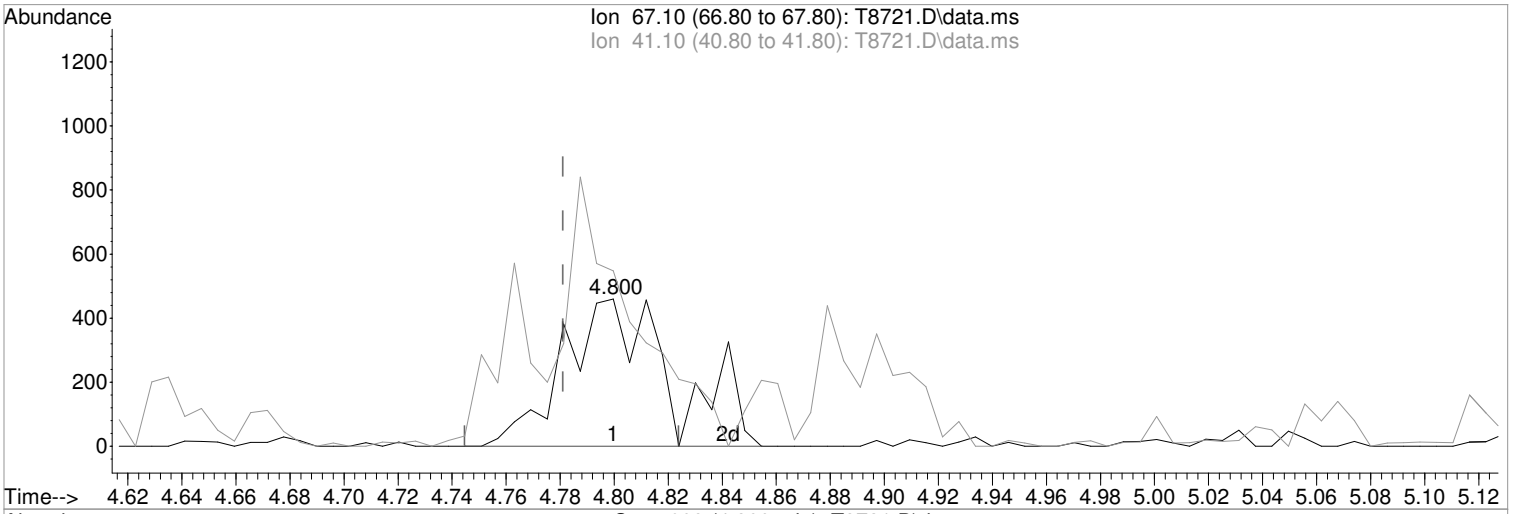
Before

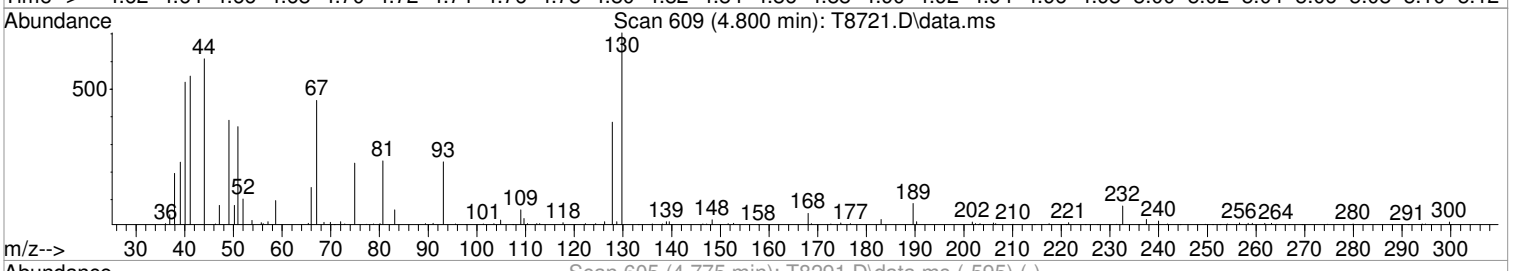
09/08/21

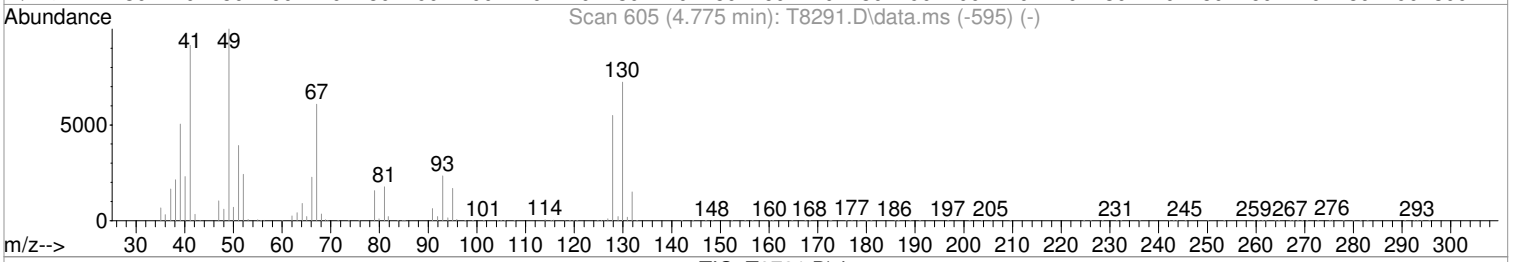
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(37) Methacrylonitrile

4.800min (+0.018) 0.89 ug/L m

response 1284

Ion	Exp%	Act%
67.10	100	100
41.10	151.00	119.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

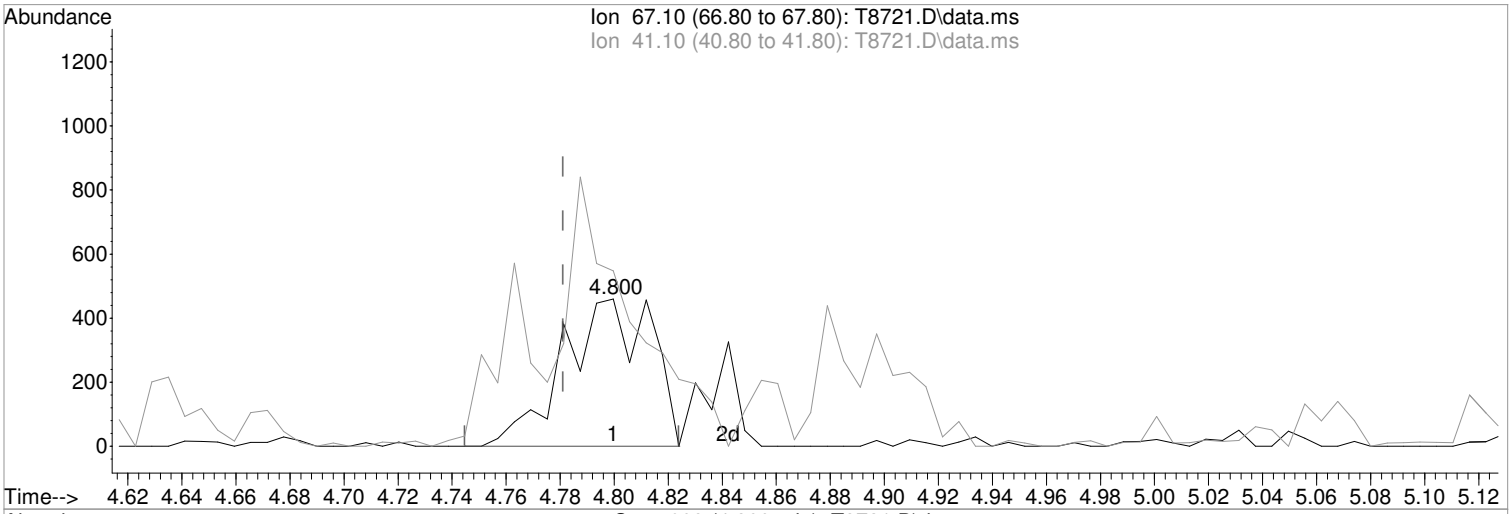
Poor integration.

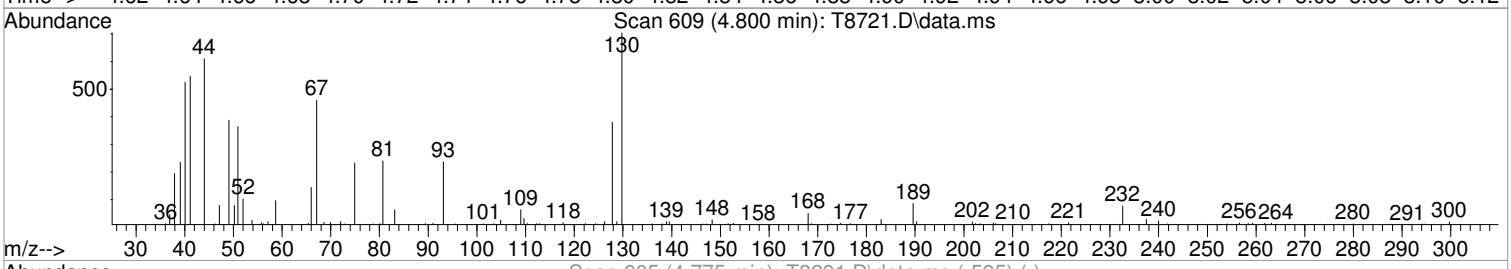
09/08/21

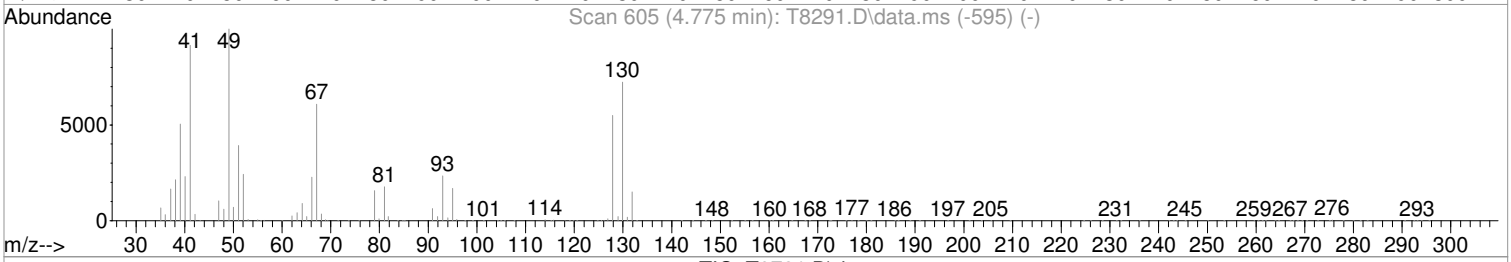
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(37) Methacrylonitrile

4.800min (+0.018) 0.71 ug/L

response 1033

Ion	Exp%	Act%
67.10	100	100
41.10	151.00	119.13#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

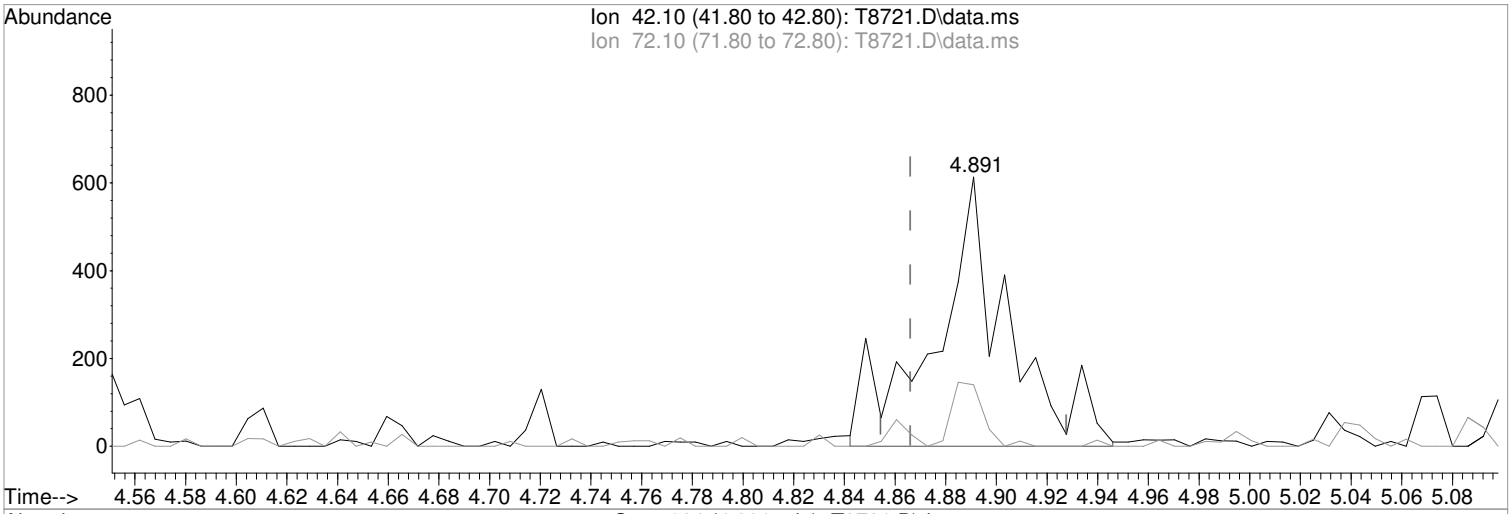
Before

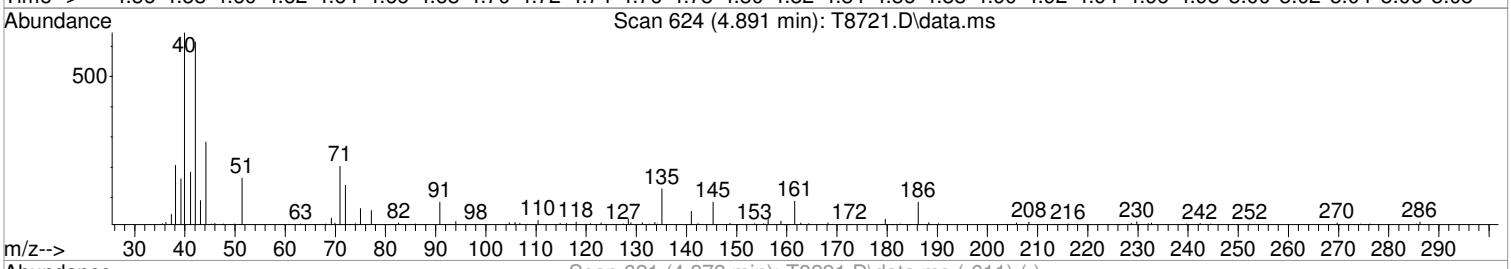
09/08/21

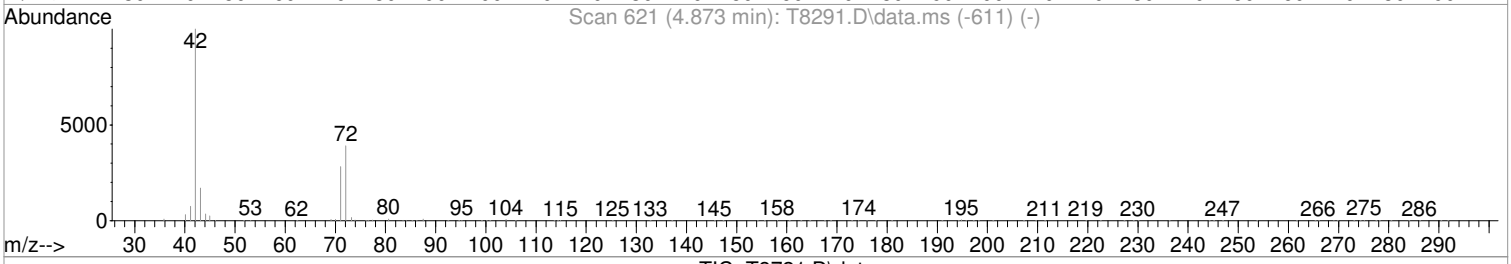
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(38) Tetrahydrofuran

4.891min (+0.025) 0.91 ug/L m

response 1235

Ion	Exp%	Act%
42.10	100	100
72.10	38.40	22.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

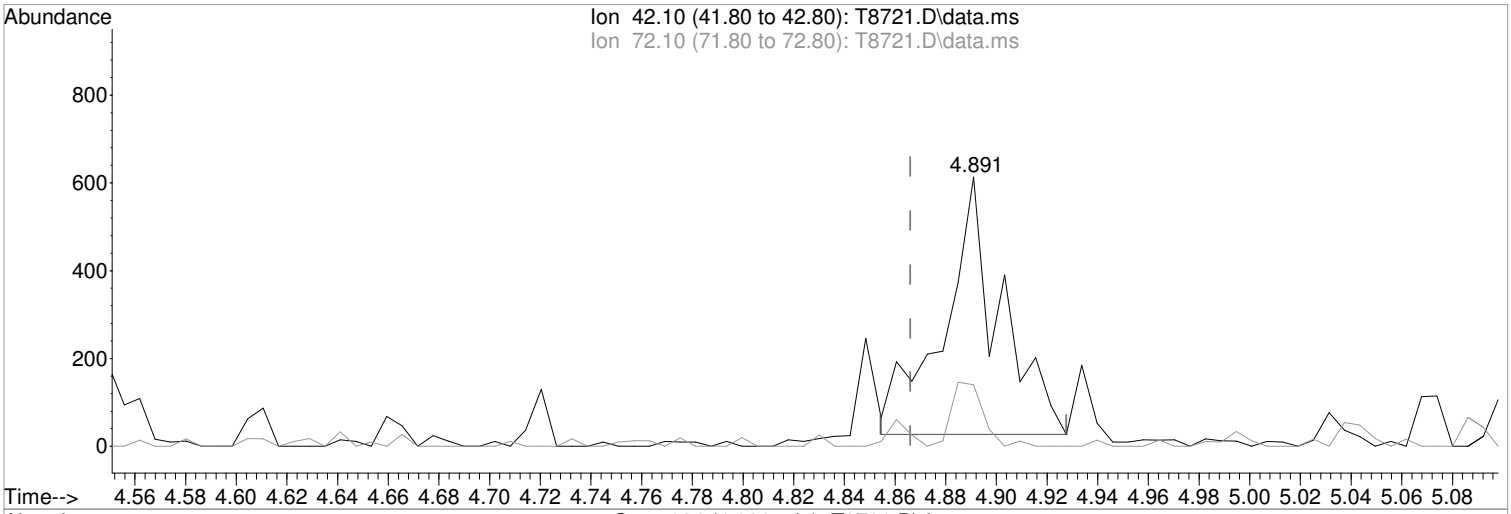
Poor integration.

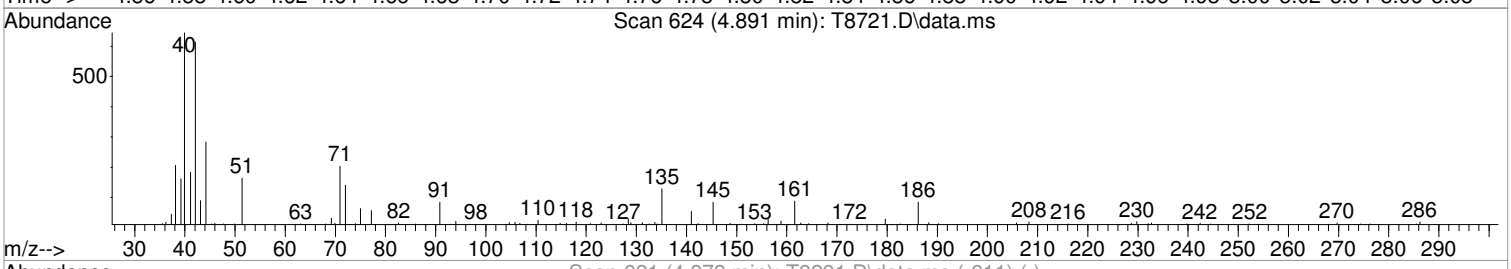
09/08/21

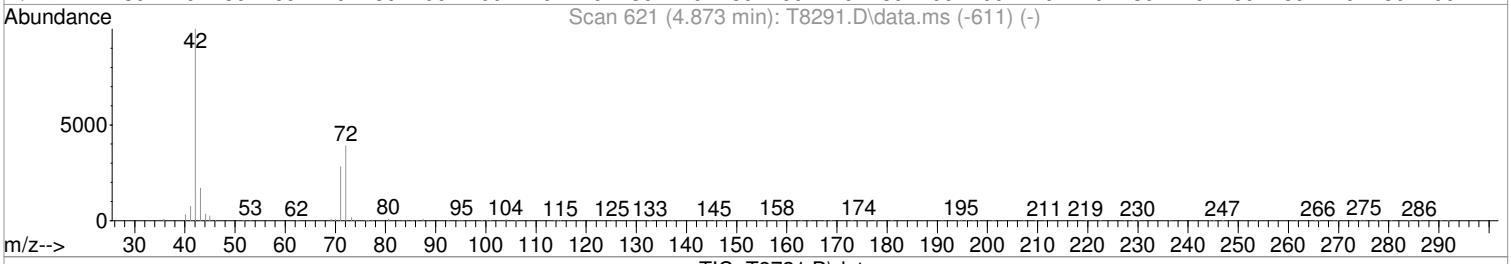
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(38) Tetrahydrofuran

4.891min (+0.025) 0.67 ug/L

response 912

Ion	Exp%	Act%
42.10	100	100
72.10	38.40	22.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

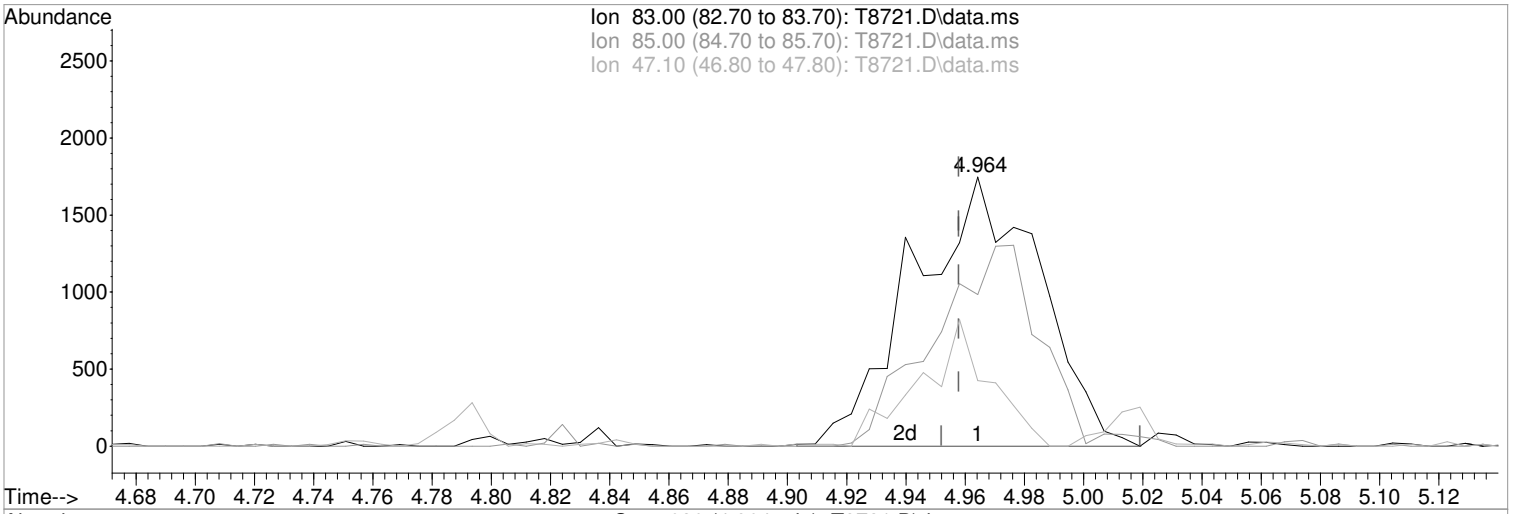
Before

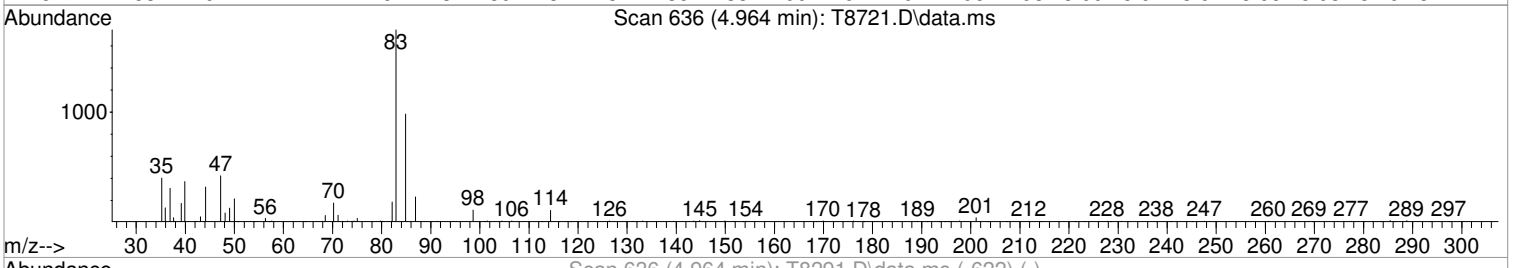
09/08/21

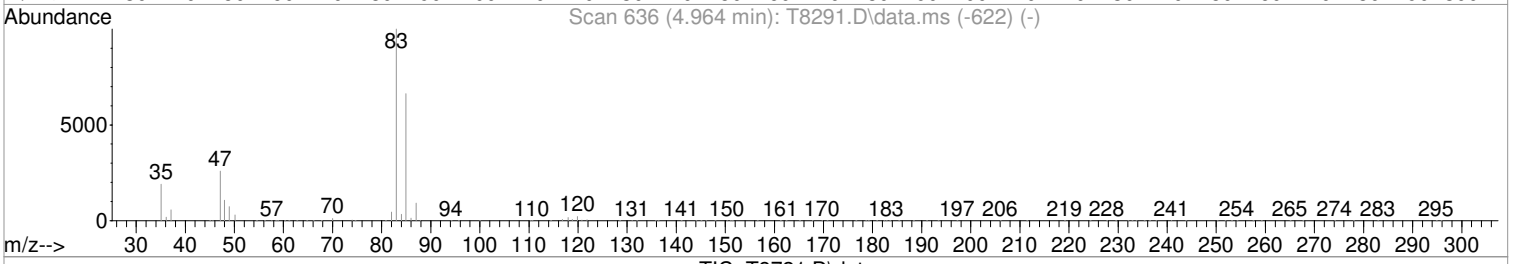
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(39) Chloroform (P)

4.964min (+0.006) 1.16 ug/L m

response 5182

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	56.41
47.10	25.90	24.34
0.00	0.00	0.00

Manual Integration:

After

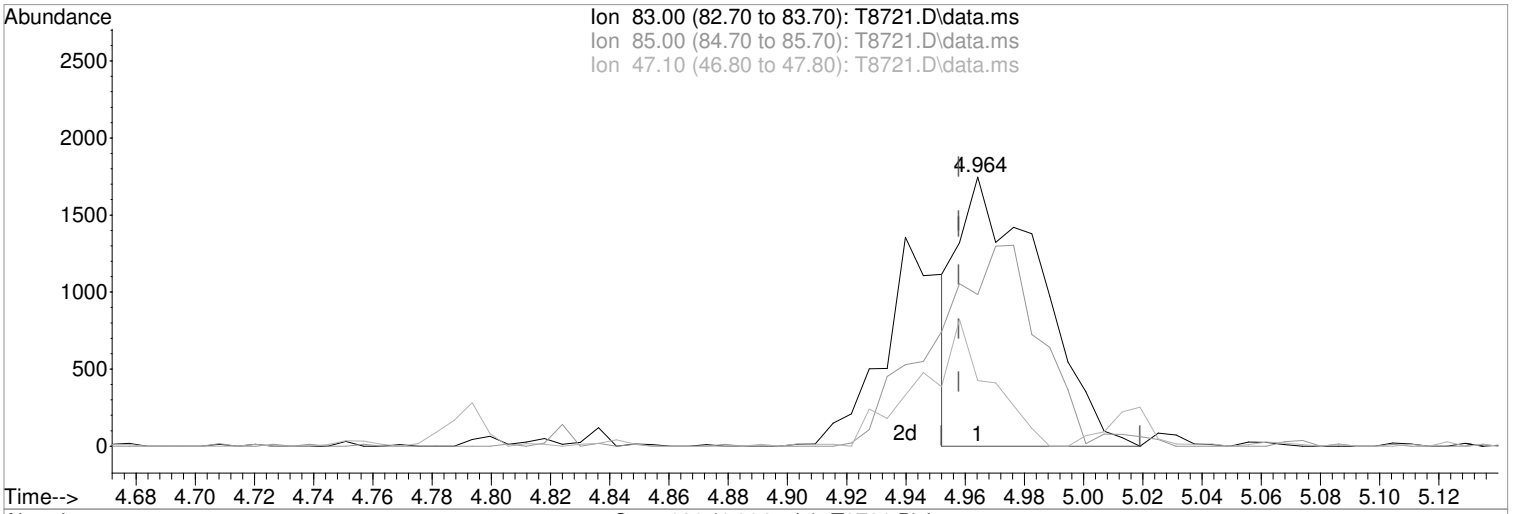
Poor integration.

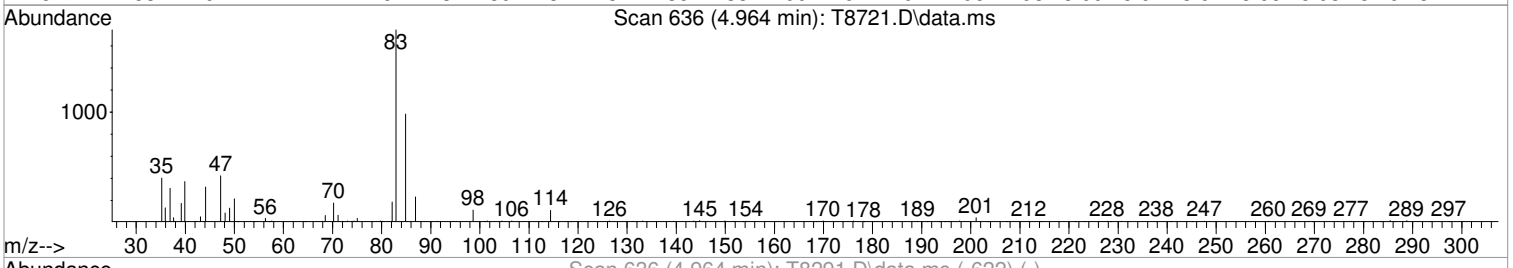
09/08/21

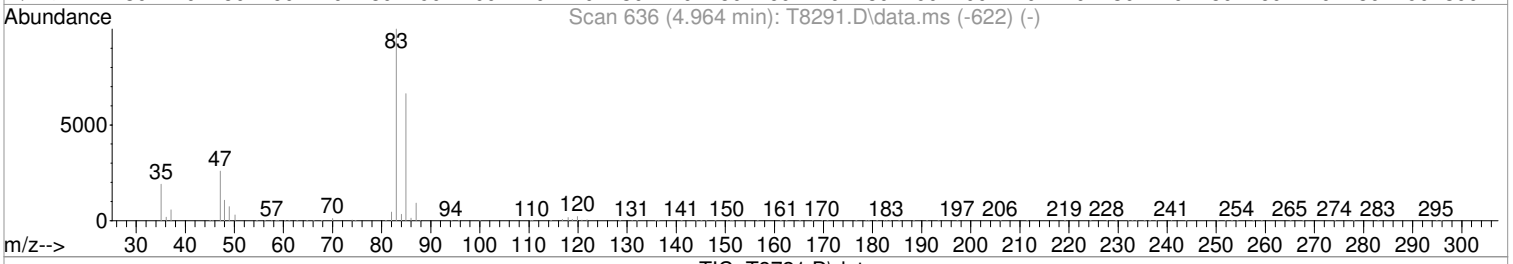
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(39) Chloroform (P)

4.964min (+0.006) 0.75 ug/L

response 3369

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	56.41
47.10	25.90	24.34
0.00	0.00	0.00

Manual Integration:

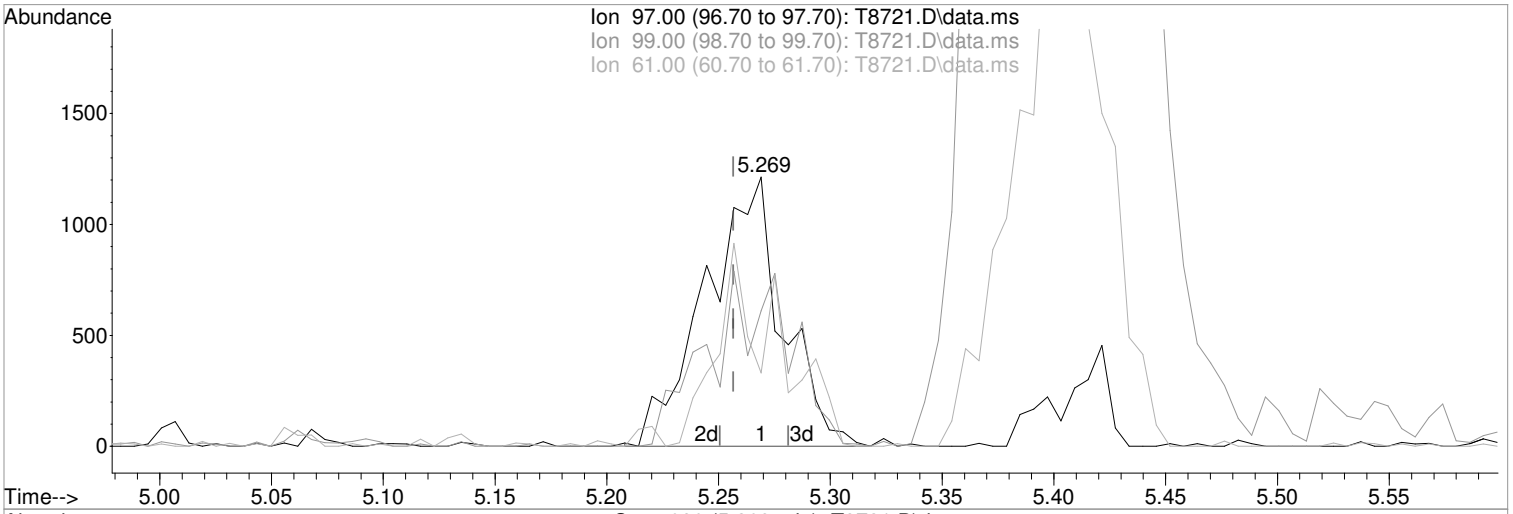
Before

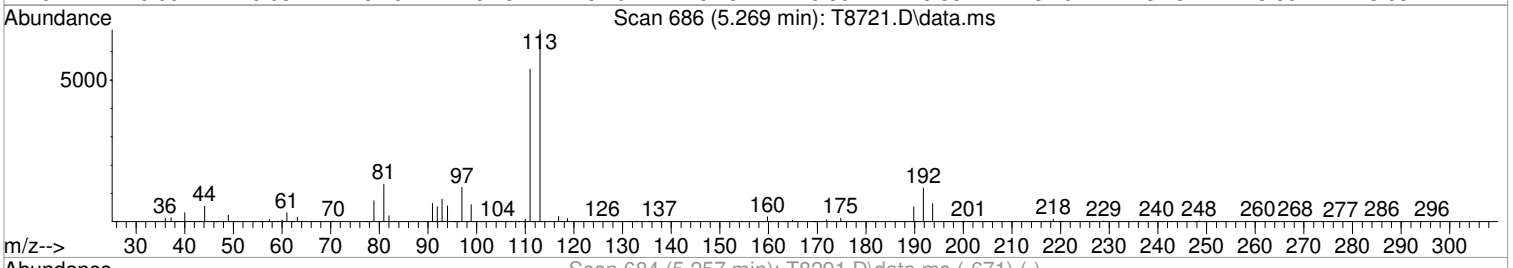
09/08/21

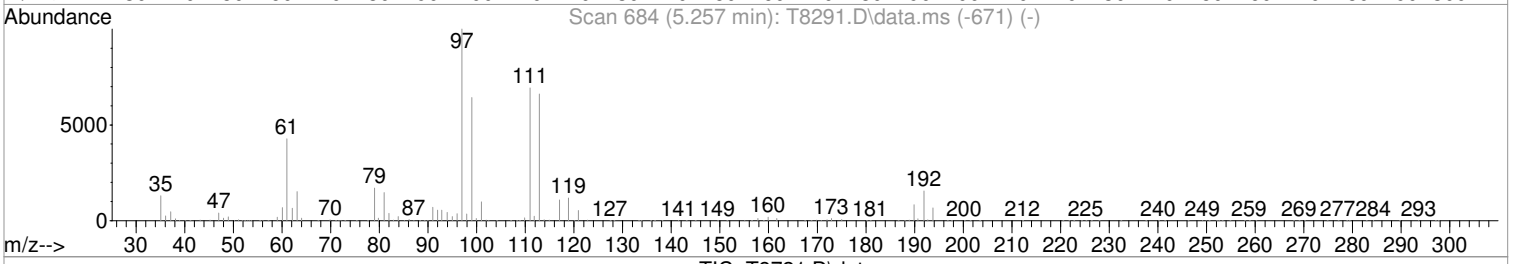
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

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

5.269min (+0.012) 0.91 ug/L m

response 2916

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	50.29
61.00	42.80	27.29
0.00	0.00	0.00

Manual Integration:

After

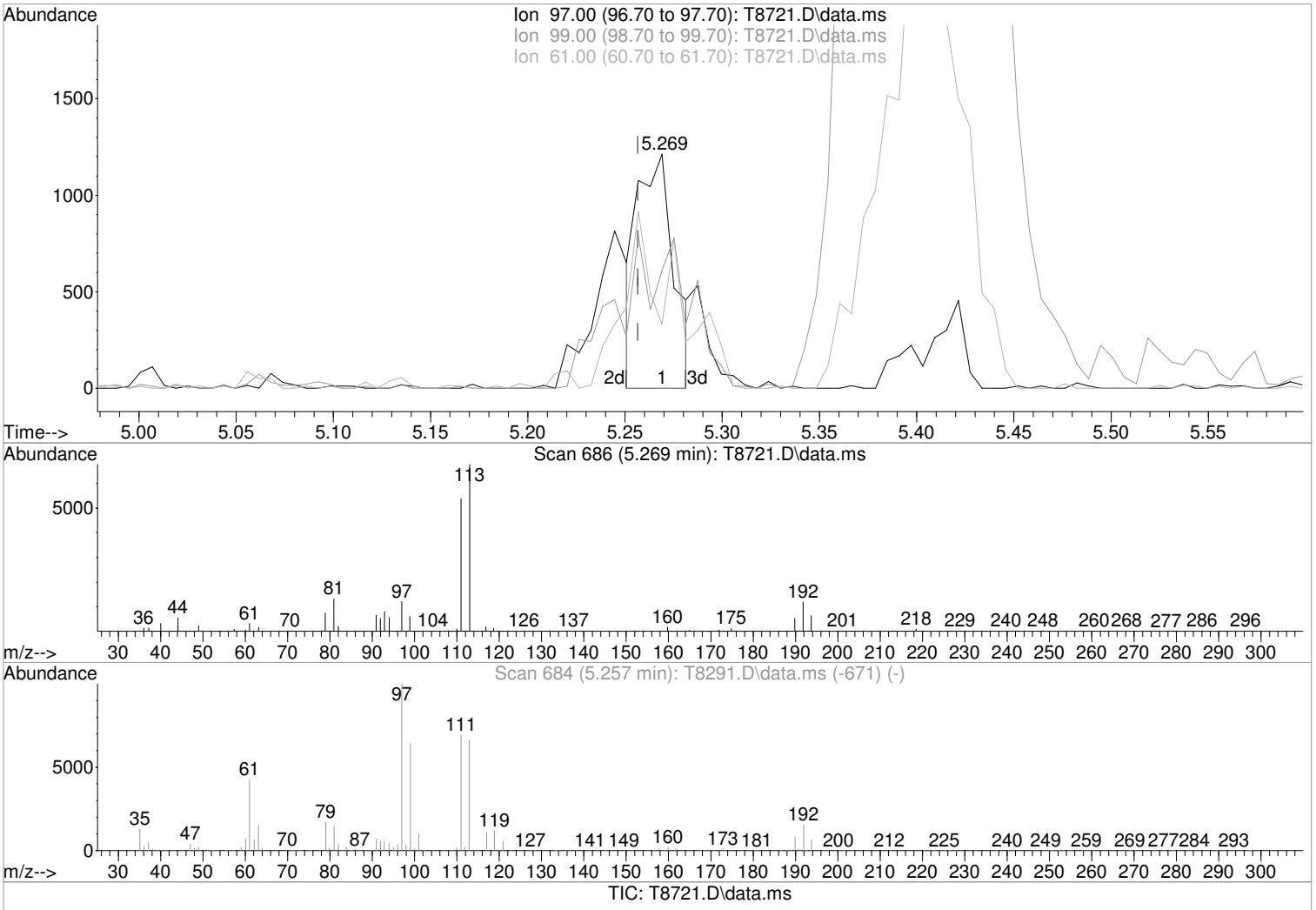
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

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

5.269min (+0.012) 0.49 ug/L

response 1577

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	50.29
61.00	42.80	27.29
0.00	0.00	0.00

Manual Integration:

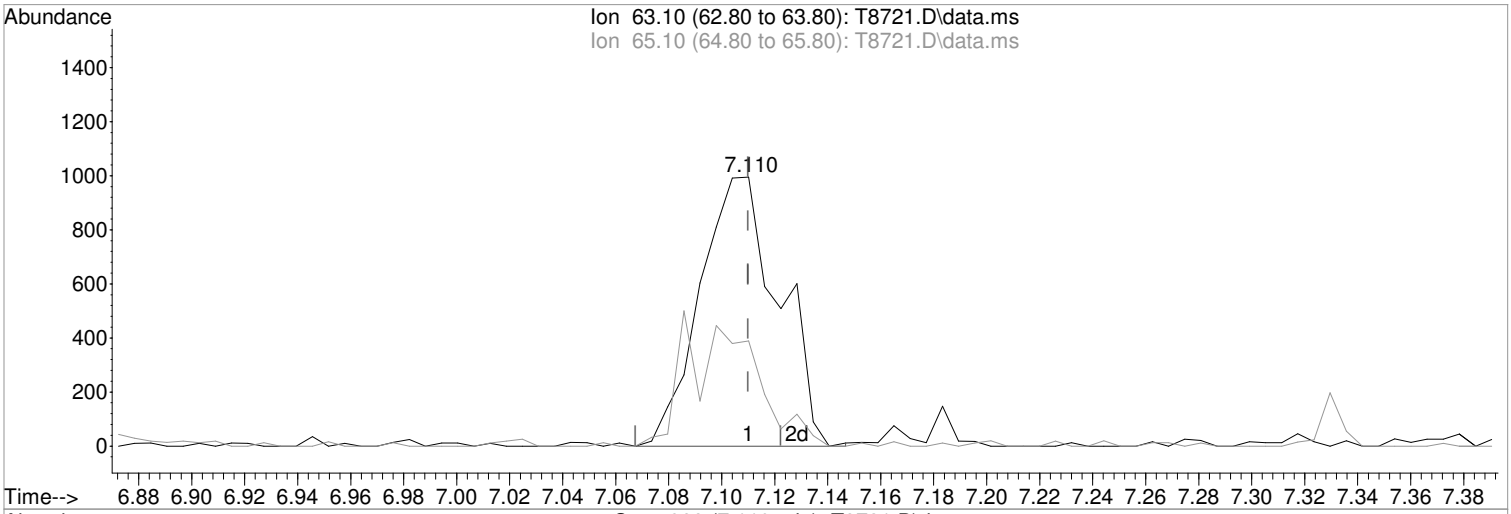
Before

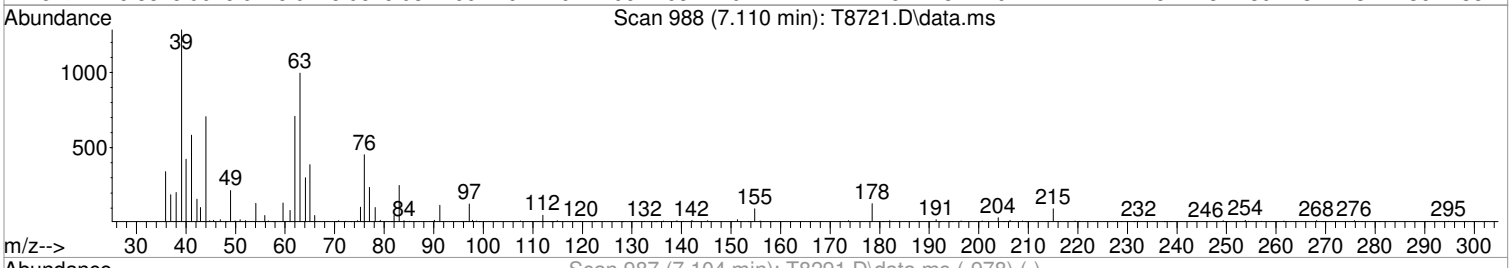
09/08/21

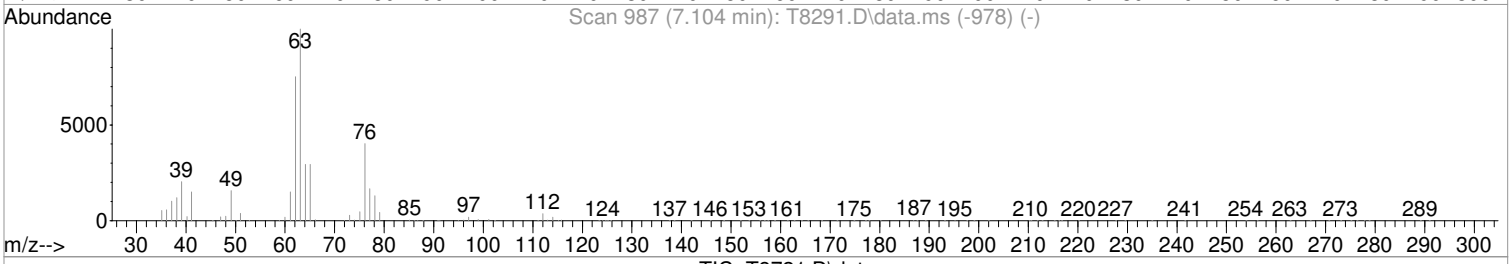
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(55) 1,2-Diclpropane (P)

7.110min (+0.000) 0.77 ug/L m

response 2059

Ion	Exp%	Act%
63.10	100	100
65.10	31.20	39.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

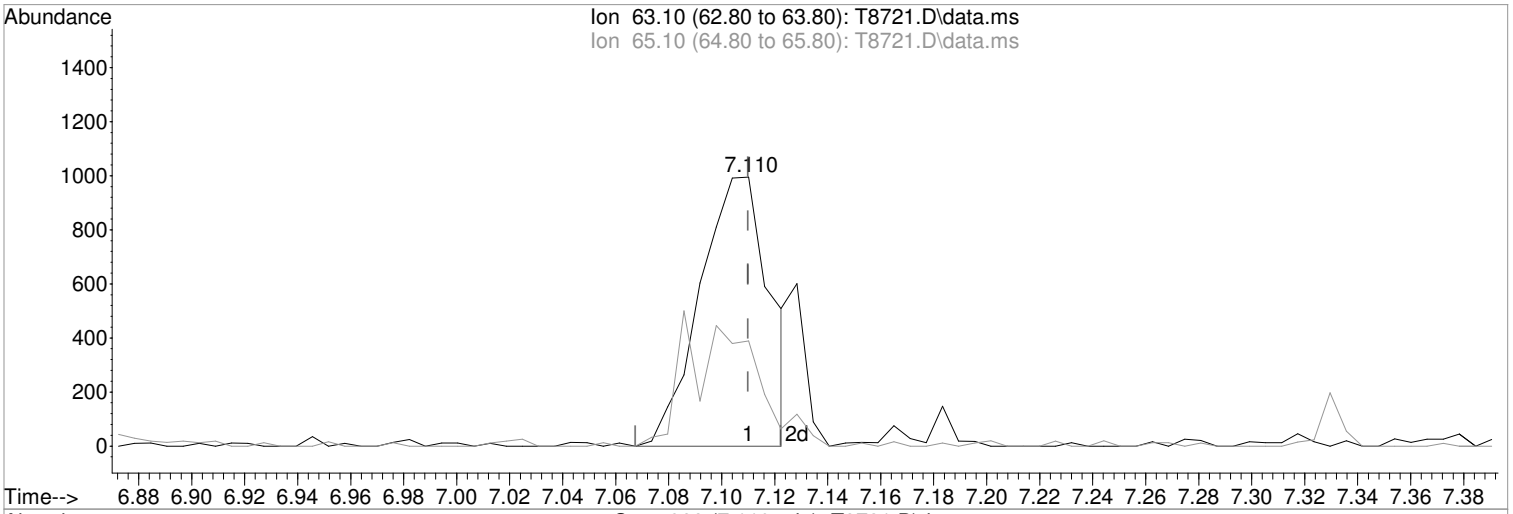
Poor integration.

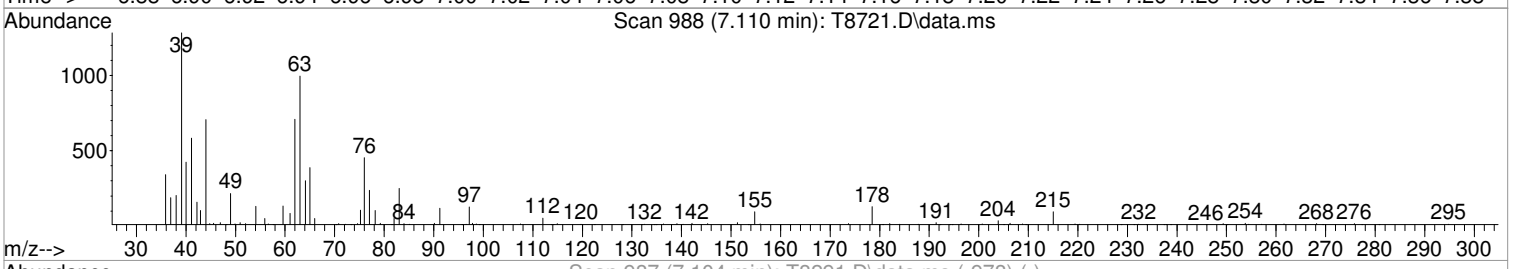
09/08/21

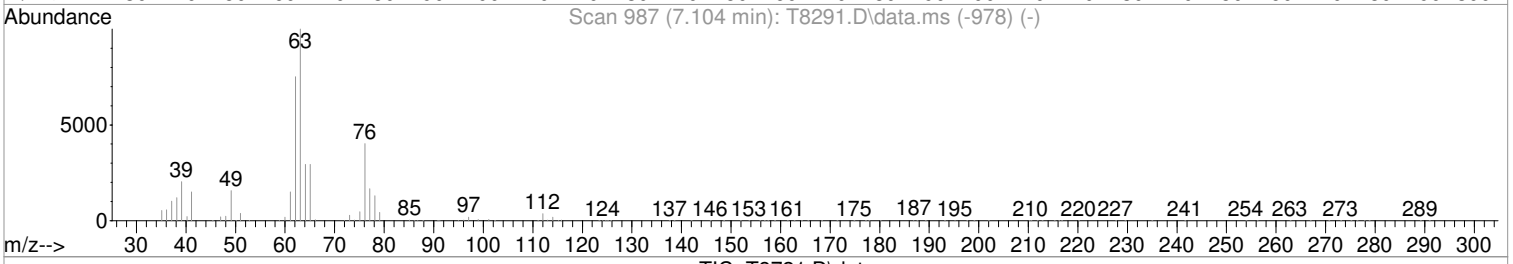
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(55) 1,2-Diclpropane (P)

7.110min (+0.000) 0.67 ug/L

response 1802

Ion	Exp%	Act%
63.10	100	100
65.10	31.20	39.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

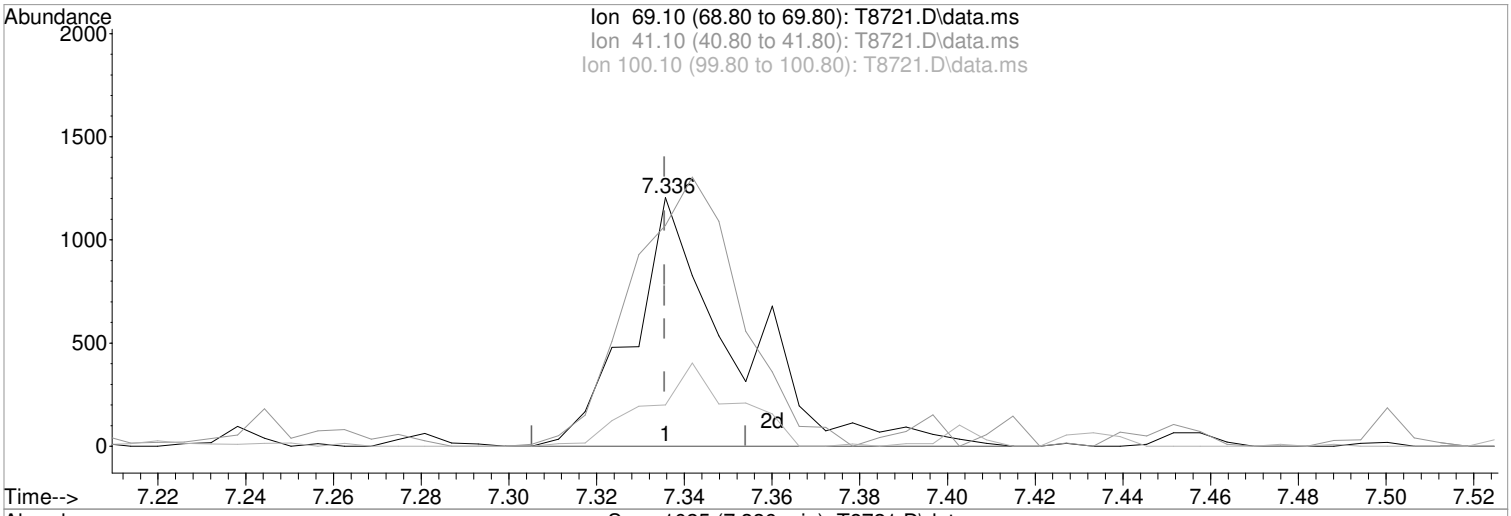
Before

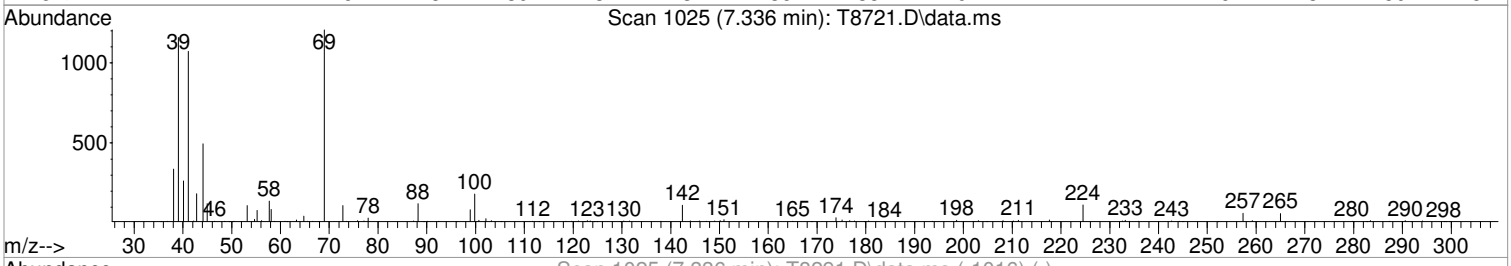
09/08/21

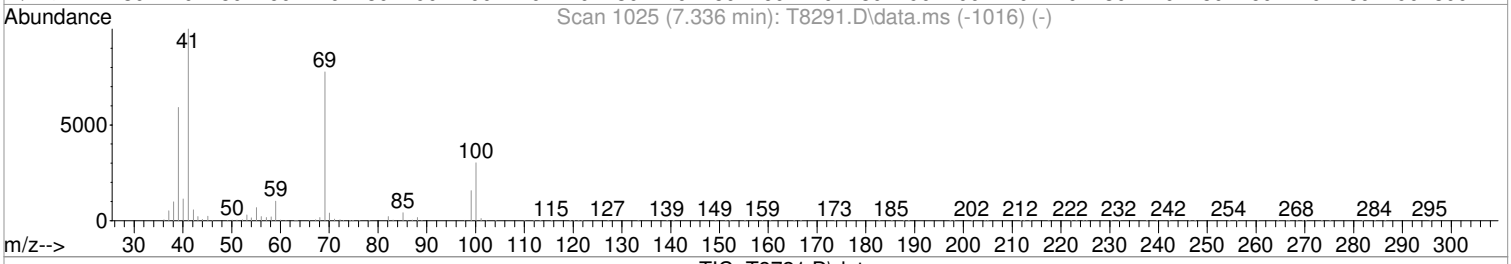
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(58) Methyl Methacrylate

7.336min (+0.000) 0.83 ug/L m

response 1966

Ion	Exp%	Act%
69.10	100	100
41.10	129.20	88.88#
100.10	38.80	15.10#
0.00	0.00	0.00

Manual Integration:

After

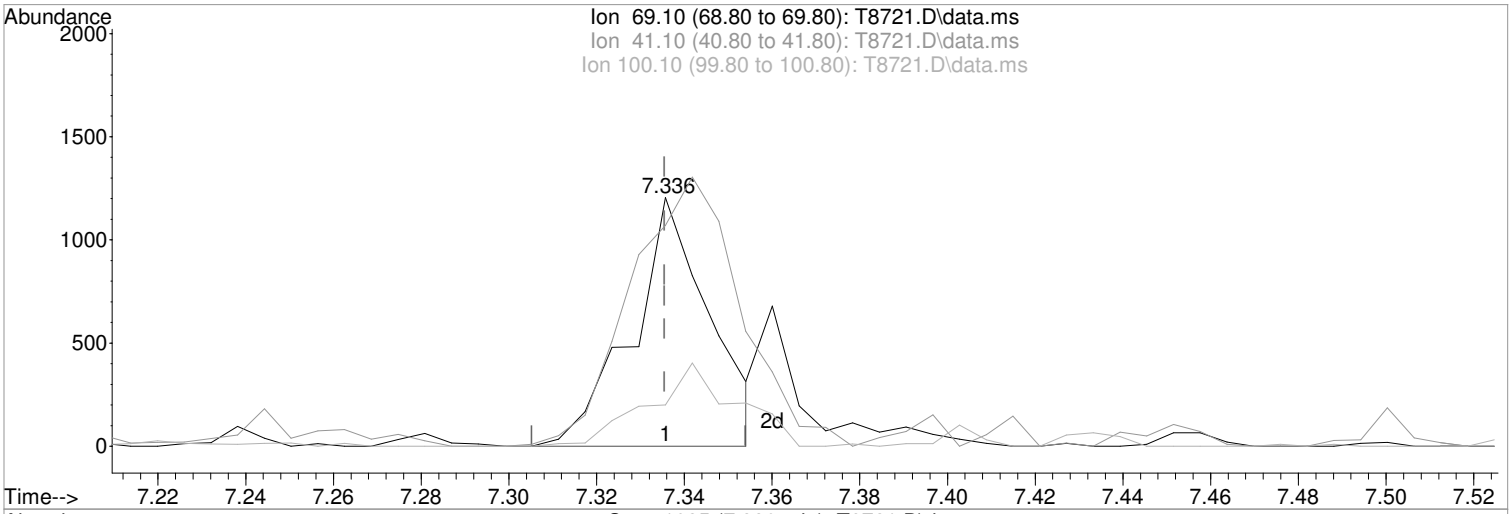
Poor integration.

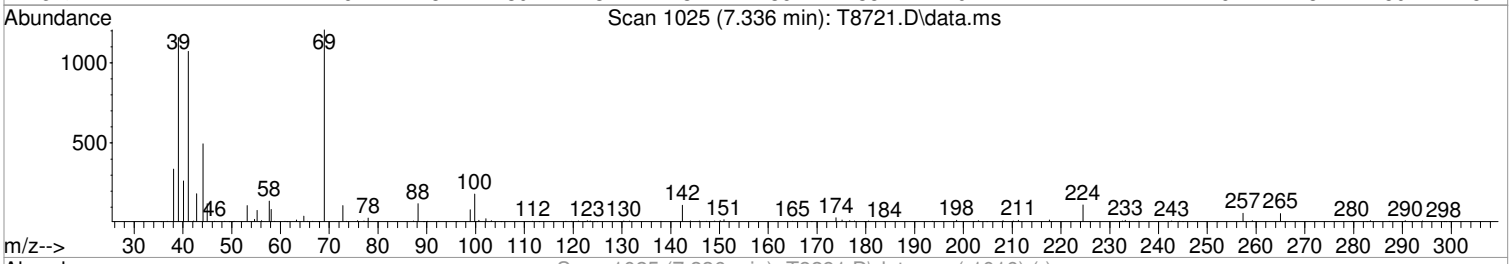
09/08/21

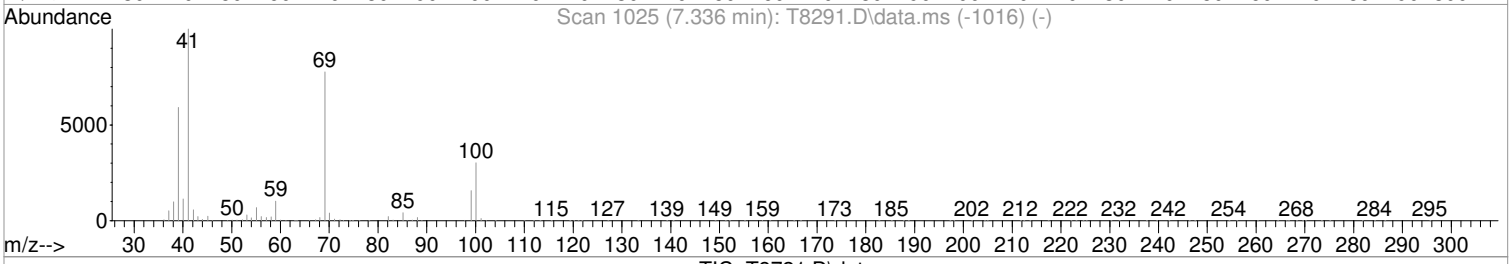
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(58) Methyl Methacrylate

7.336min (+0.000) 0.62 ug/L

response 1479

Ion	Exp%	Act%
69.10	100	100
41.10	129.20	88.88#
100.10	38.80	16.60#
0.00	0.00	0.00

Manual Integration:

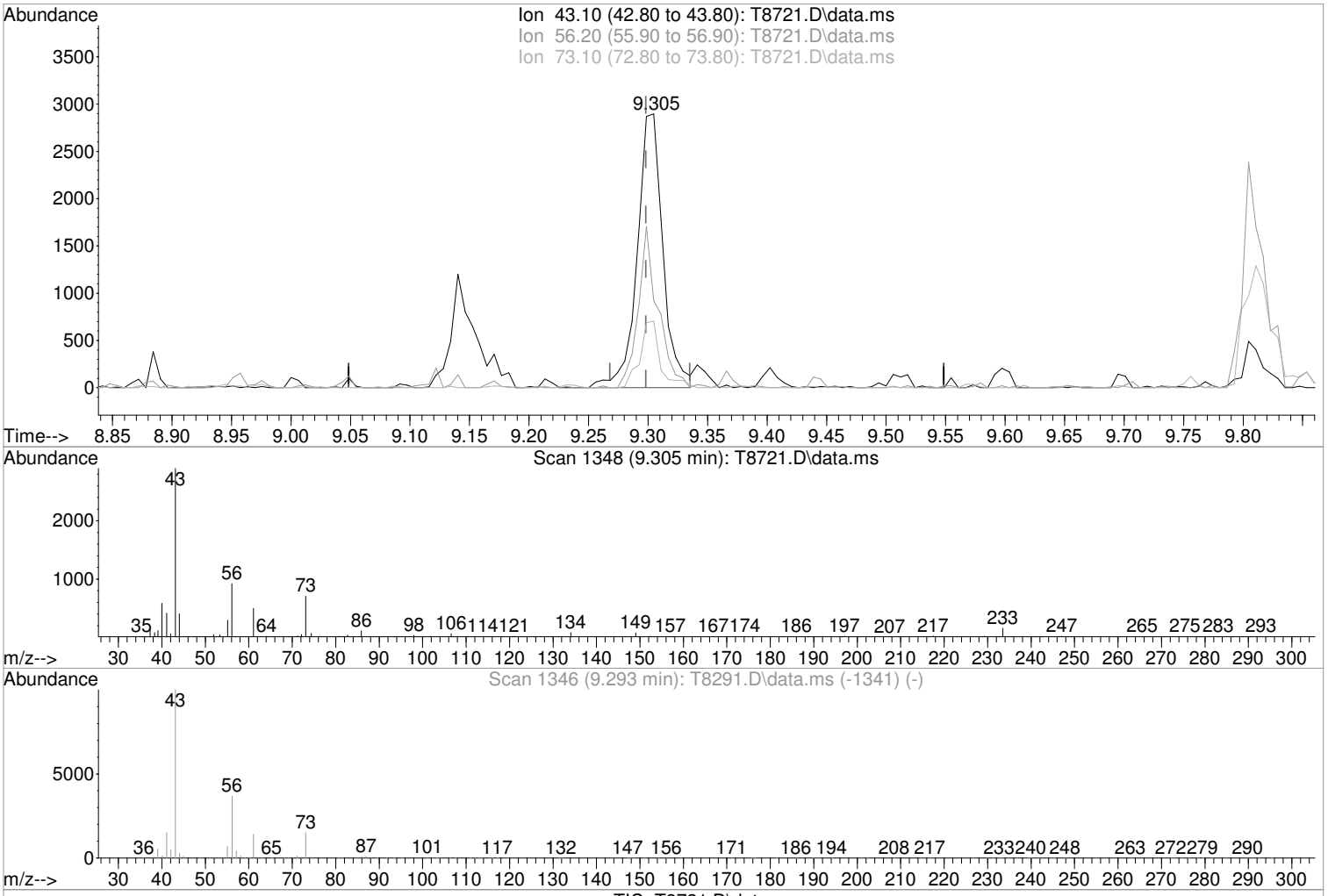
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8721.D\data.ms

(75) N-Butyl Acetate

9.305min (+0.006) 0.79 ug/L m

response 4359

Ion	Exp%	Act%
43.10	100	100
56.20	36.80	31.79
73.10	14.90	24.34
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

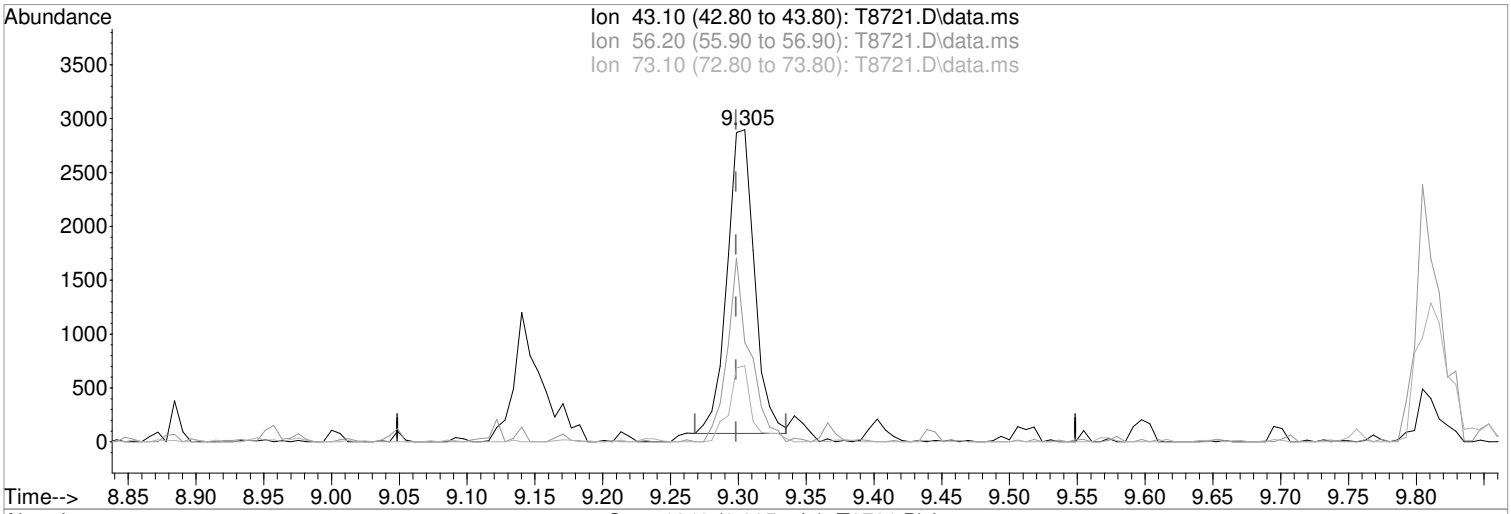
09/08/21

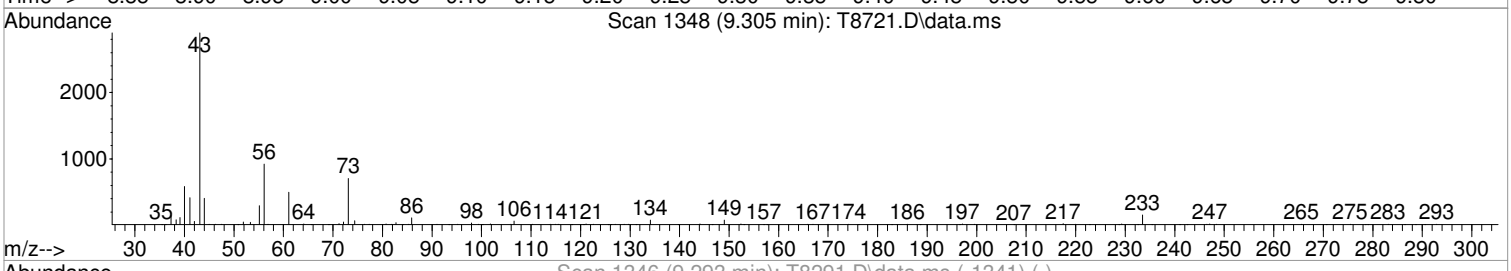
1st FJ 09/08/21
2nd 09/08/21

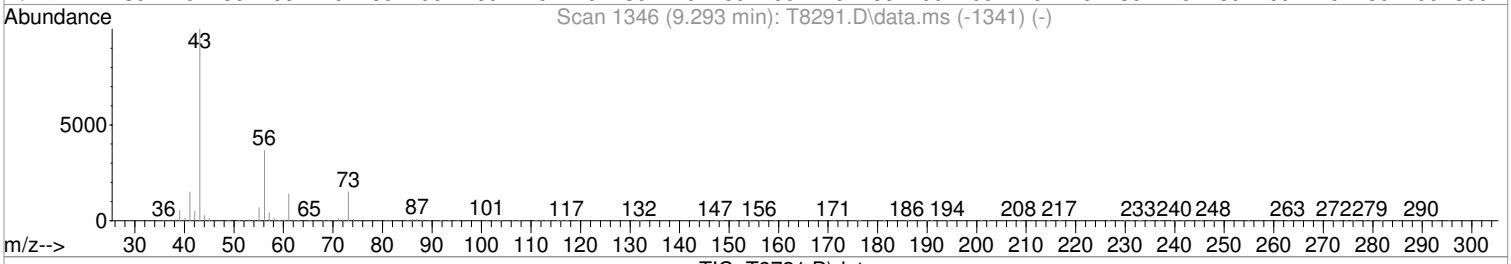
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(75) N-Butyl Acetate

9.305min (+0.006) 0.72 ug/L

response 3964

Ion	Exp%	Act%
43.10	100	100
56.20	36.80	32.27
73.10	14.90	24.34
0.00	0.00	0.00

Manual Integration:

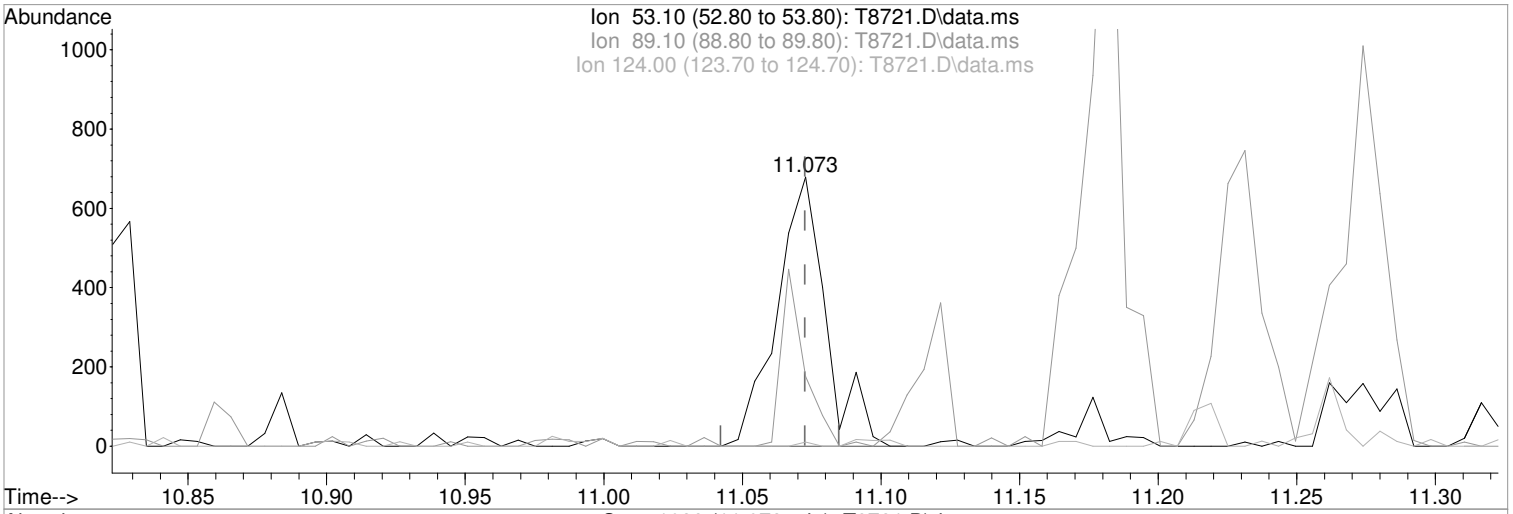
Before

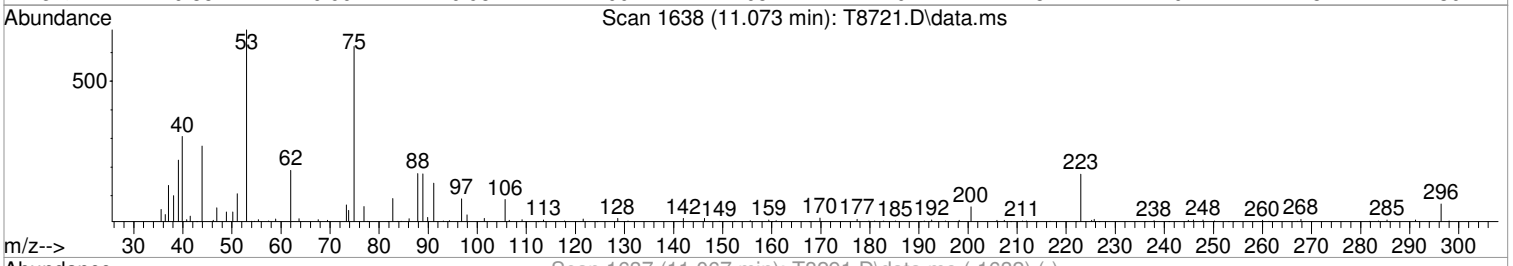
09/08/21

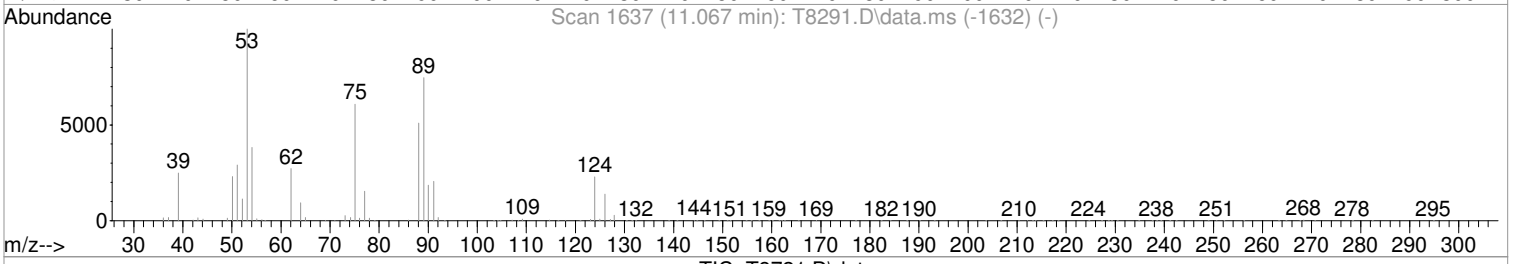
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.073min (+0.000) 0.91 ug/L m

response 836

Ion	Exp%	Act%
53.10	100	100
89.10	74.70	25.92#
124.00	22.90	1.47#
0.00	0.00	0.00

Manual Integration:

After

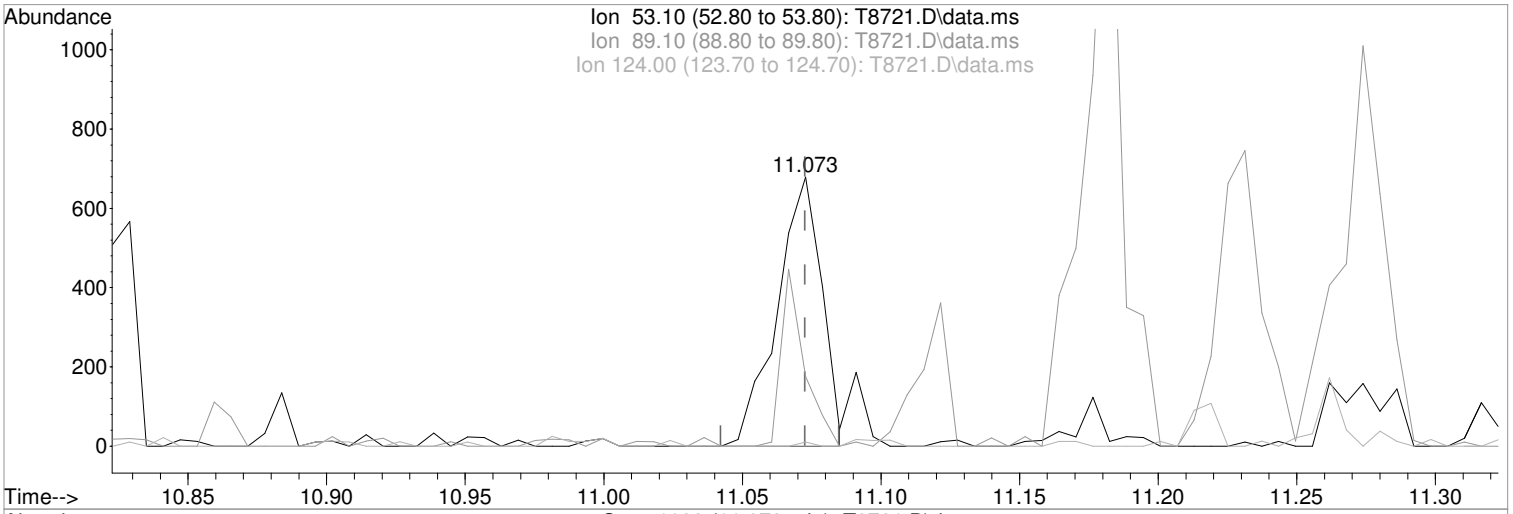
Poor integration.

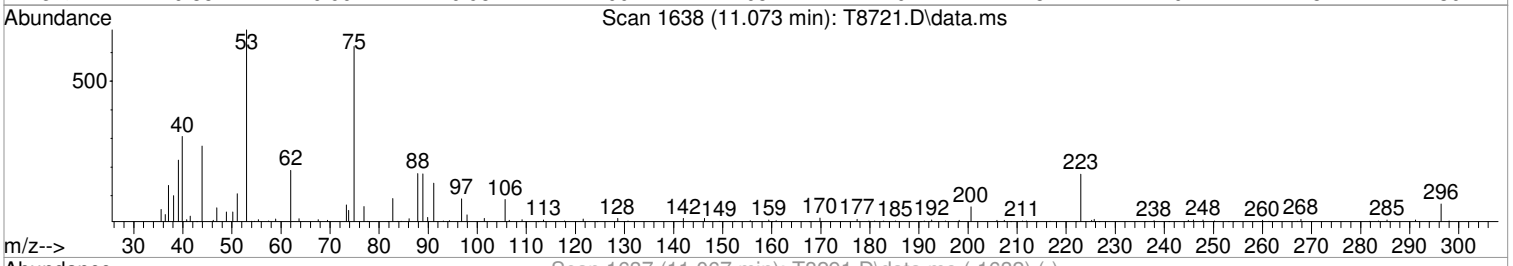
09/08/21

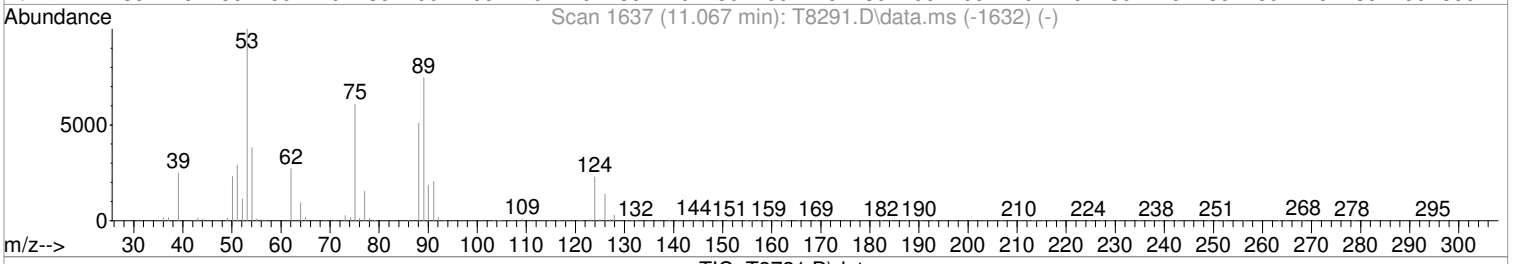
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:04:50 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8721.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.073min (+0.000) 0.83 ug/L

response 760

Ion	Exp%	Act%
53.10	100	100
89.10	74.70	25.92#
124.00	22.90	1.47#
0.00	0.00	0.00

Manual Integration:

Before

09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:21:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	240779	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	373304	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	336933	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	163385	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	21948	9.61	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 19.22%#				
46) surr1,1,2-dichloroetha...	5.787	65	28642	10.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.32%#				
64) SURR3,Toluene-d8	8.317	98	88807	10.06	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.12%#				
69) SURR2,BFB	10.884	95	27624	8.09	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 16.18%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	2534	0.99	ug/L		91
3) Chloromethane	1.282	50	2810	0.85	ug/L		85
4) Vinyl Chloride	1.367	62	3656	1.14	ug/L		87
5) Bromomethane	1.593	94	4730	1.21	ug/L		91
6) Chloroethane	1.672	64	2068	0.92	ug/L	#	61
7) Freon 21	1.818	67	6272	1.41	ug/L		92
8) Trichlorofluoromethane	1.867	101	3008	0.87	ug/L	#	65
9) Diethyl Ether	2.105	59	2237	0.99	ug/L	#	66
10) Freon 123a	2.105	67	2635	0.95	ug/L		91
11) Freon 123	2.154	83	3433	1.13	ug/L		95
12) Acrolein	2.203	56	2548	3.33	ug/L		79
13) 1,1-Diclethene	2.288	96	1976	0.98	ug/L		94
14) Freon 113	2.300	101	1783m	0.87	ug/L		
15) Acetone	2.337	43	2239	1.53	ug/L		83
16) 2-Propanol	2.471	45	5413	15.74	ug/L		98
17) Iodomethane	2.422	142	1528m	0.47	ug/L		
18) Carbon Disulfide	2.483	76	4458	0.73	ug/L		93
19) Acetonitrile	2.599	41	2798	4.89	ug/L		83
20) Allyl Chloride	2.629	76	1168	0.86	ug/L	#	77
21) Methyl Acetate	2.648	43	3162m	1.01	ug/L		
22) Methylene Chloride	2.745	84	2722m	1.05	ug/L		
23) TBA	2.867	59	7302	13.06	ug/L		68
24) Acrylonitrile	3.001	53	5700	3.88	ug/L		82
25) Methyl-t-Butyl Ether	3.044	73	8130m	0.96	ug/L		
26) trans-1,2-Dichloroethene	3.038	96	2440	1.09	ug/L	#	74
27) 1,1-Diclethane	3.544	63	3675m	0.88	ug/L		
28) Vinyl Acetate	3.635	86	470m	0.82	ug/L		
29) DIPE	3.660	45	7255	0.91	ug/L		87
30) 2-Chloro-1,3-Butadiene	3.666	53	2702	0.82	ug/L		95
31) ETBE	4.202	59	7024	0.97	ug/L		86
32) 2,2-Dichloropropane	4.379	77	2692	0.80	ug/L		89
33) cis-1,2-Dichloroethene	4.385	96	2353m	0.94	ug/L		
34) 2-Butanone	4.434	43	2378	1.12	ug/L	#	73
35) Propionitrile	4.525	54	2195m	3.52	ug/L		
36) Bromochloromethane	4.800	130	1590m	0.97	ug/L		
37) Methacrylonitrile	4.800	67	1284m	0.89	ug/L		
38) Tetrahydrofuran	4.891	42	1235m	0.91	ug/L		
39) Chloroform	4.964	83	5182m	1.16	ug/L		
40) 1,1,1-Trichloroethane	5.269	97	2916m	0.91	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:21:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Cyclohexane	5.342	41	2271	0.91 ug/L	91
44) Carbontetrachloride	5.549	117	2825	1.04 ug/L #	47
45) 1,1-Dichloropropene	5.574	75	3265	1.09 ug/L #	62
47) Benzene	5.879	78	8870	0.94 ug/L	93
48) 1,2-Dichloroethane	5.915	62	3441	0.98 ug/L	89
49) Iso-Butyl Alcohol	5.897	43	2769	11.25 ug/L #	69
50) TAME	6.116	73	7356	0.95 ug/L	90
51) n-Heptane	6.360	43	2609	0.89 ug/L #	58
52) 1-Butanol	6.854	56	3544	23.58 ug/L #	62
53) Trichloroethene	6.830	130	2053	0.82 ug/L #	73
54) Methylcyclohexane	7.067	55	2458	0.88 ug/L	87
55) 1,2-Diclpropane	7.110	63	2059m	0.77 ug/L	
56) Dibromomethane	7.238	93	1748	0.99 ug/L #	50
57) 1,4-Dioxane	7.305	88	905	14.78 ug/L #	69
58) Methyl Methacrylate	7.336	69	1966m	0.83 ug/L	
59) Bromodichloromethane	7.482	83	2760	0.83 ug/L	92
60) 2-Nitropropane	7.756	41	1502	1.45 ug/L	84
61) 2-Chloroethylvinyl Ether	7.884	63	1409	0.85 ug/L	68
62) cis-1,3-Dichloropropene	8.018	75	3904	1.00 ug/L	88
63) 4-Methyl-2-pentanone	8.226	43	3324	0.87 ug/L #	69
65) Toluene	8.396	91	8890	0.90 ug/L	96
66) trans-1,3-Dichloropropene	8.665	75	2802	0.76 ug/L	85
67) Ethyl Methacrylate	8.811	69	2893	0.71 ug/L	92
68) 1,1,2-Trichloroethane	8.854	97	1869	0.79 ug/L #	78
71) Tetrachloroethene	8.994	164	1633	0.92 ug/L #	73
72) 2-Hexanone	9.140	43	1765	0.62 ug/L	92
73) 1,3-Dichloropropane	9.018	76	3493	0.88 ug/L	94
74) Dibromochloromethane	9.244	129	1842	0.81 ug/L #	77
75) N-Butyl Acetate	9.305	43	4359m	0.79 ug/L	
76) 1,2-Dibromoethane	9.341	107	2152	0.86 ug/L	82
77) 3-Chlorobenzotrifluoride	9.854	180	3124	0.97 ug/L #	73
78) Chlorobenzene	9.835	112	5918	0.95 ug/L	97
79) 4-Chlorobenzotrifluoride	9.908	180	2904	1.00 ug/L	82
80) 1,1,1,2-Tetrachloroethane	9.921	131	1878	0.86 ug/L #	84
81) Ethylbenzene	9.963	106	2840	0.88 ug/L #	77
82) (m+p)Xylene	10.073	106	6703	1.64 ug/L	95
83) o-Xylene	10.427	106	2928	0.73 ug/L	91
84) Styrene	10.439	104	4771	0.68 ug/L	78
85) Bromoform	10.591	173	1190	0.66 ug/L	92
86) 2-Chlorobenzotrifluoride	10.677	180	2470	0.76 ug/L	83
87) Isopropylbenzene	10.762	105	8415	0.89 ug/L	93
88) Cyclohexanone	10.823	55	8592	13.61 ug/L	88
89) trans-1,4-Dichloro-2-B...	11.073	53	836m	0.91 ug/L	
91) 1,1,2,2-Tetrachloroethane	11.024	83	3010	0.98 ug/L	94
92) Bromobenzene	11.006	156	2327	0.92 ug/L #	79
93) 1,2,3-Trichloropropane	11.054	110	1074	1.04 ug/L #	40
94) n-Propylbenzene	11.122	91	9164	0.89 ug/L	95
95) 2-Chlorotoluene	11.182	91	6842	1.04 ug/L	83
96) 3-Chlorotoluene	11.231	91	6141	0.98 ug/L	92
97) 4-Chlorotoluene	11.274	91	7008	0.99 ug/L	90
98) 1,3,5-Trimethylbenzene	11.274	105	7180	0.97 ug/L	98
99) tert-Butylbenzene	11.542	119	6422	1.02 ug/L	86
100) 1,2,4-Trimethylbenzene	11.579	105	6872	0.94 ug/L	87
101) 3,4-Dichlorobenzotrifl...	11.640	214	1938	0.87 ug/L	84
102) sec-Butylbenzene	11.725	105	7942	0.89 ug/L	98
103) p-Isopropyltoluene	11.847	119	6869	0.88 ug/L	92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:21:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

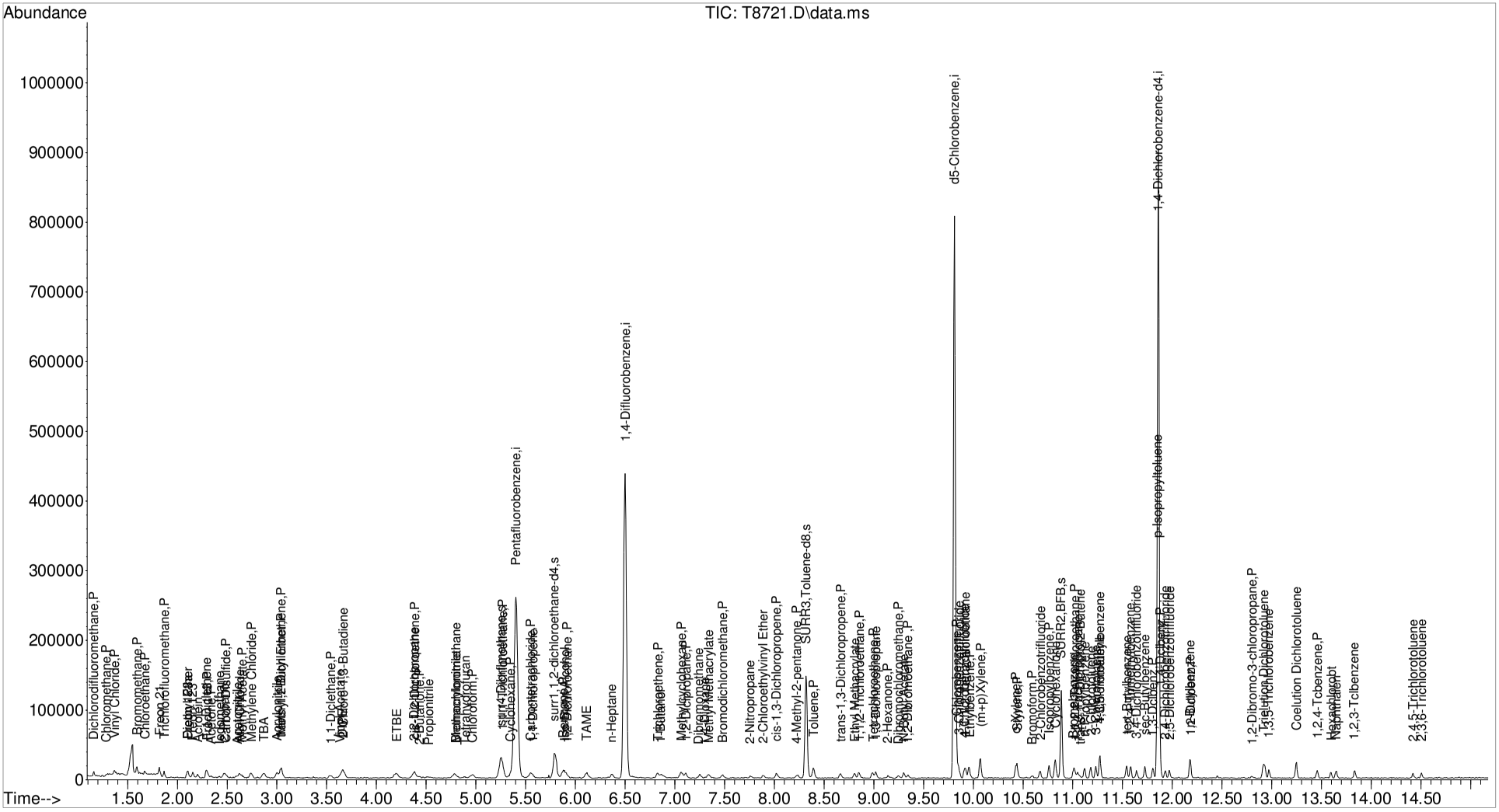
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	3841	0.85	ug/L		92
105) 1,4-Dclbenz	11.877	146	5182	1.08	ug/L	#	77
106) 2,4-Dichlorobenzotrifl...	11.926	214	2003	0.97	ug/L	#	73
107) 2,5-Dichlorobenzotrifl...	11.975	214	2272	0.97	ug/L	#	78
108) n-Butylbenzene	12.176	91	6399	0.88	ug/L		83
109) 1,2-Dclbenz	12.188	146	4261	0.93	ug/L		92
110) 1,2-Dibromo-3-chloropr...	12.804	157	466	0.66	ug/L	#	67
111) Trielution Dichlorotol...	12.920	125	8900	2.55	ug/L		80
112) 1,3,5-Trichlorobenzene	12.969	180	2756	0.85	ug/L		97
113) Coelution Dichlorotoluene	13.249	125	6498	1.67	ug/L		85
114) 1,2,4-Tcbenzene	13.456	180	2375	0.81	ug/L	#	76
115) Hexachlorobt	13.597	225	1238	1.03	ug/L	#	59
116) Naphthalen	13.645	128	6445	0.72	ug/L		94
117) 1,2,3-Tclbenzene	13.828	180	2609	0.89	ug/L		94
118) 2,4,5-Trichlorotoluene	14.420	159	1322	0.71	ug/L		85
119) 2,3,6-Trichlorotoluene	14.505	159	1444	0.88	ug/L		86

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8721.D
Acq On : 2 Sep 2021 11:28 am
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 09:21:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

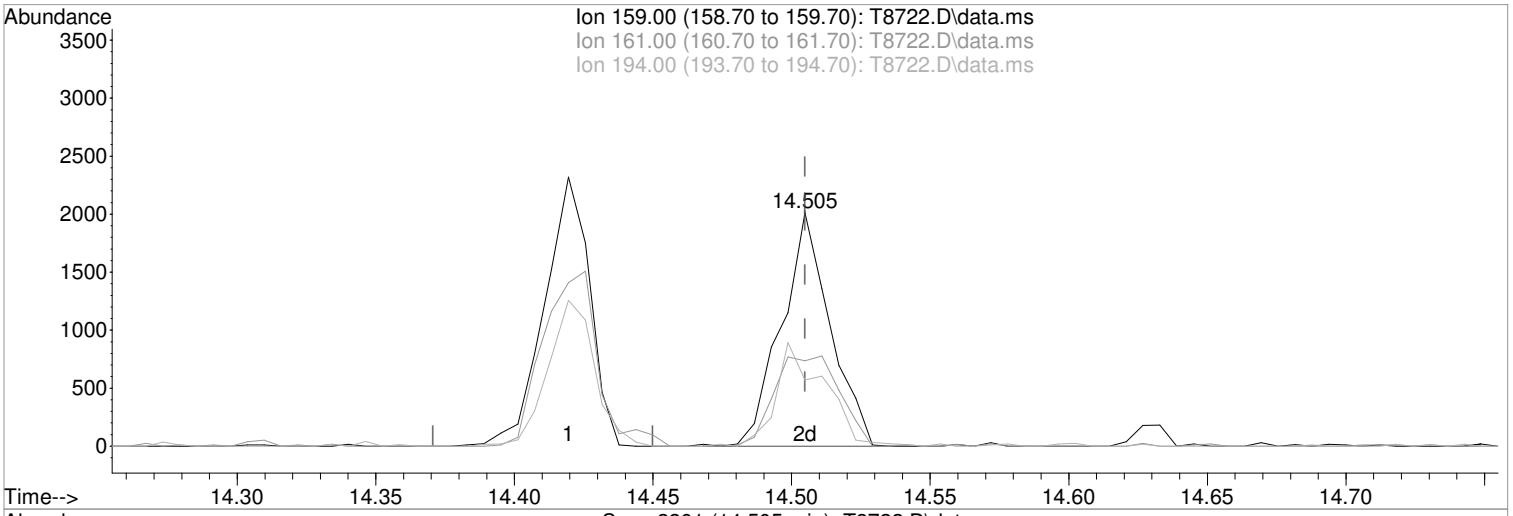


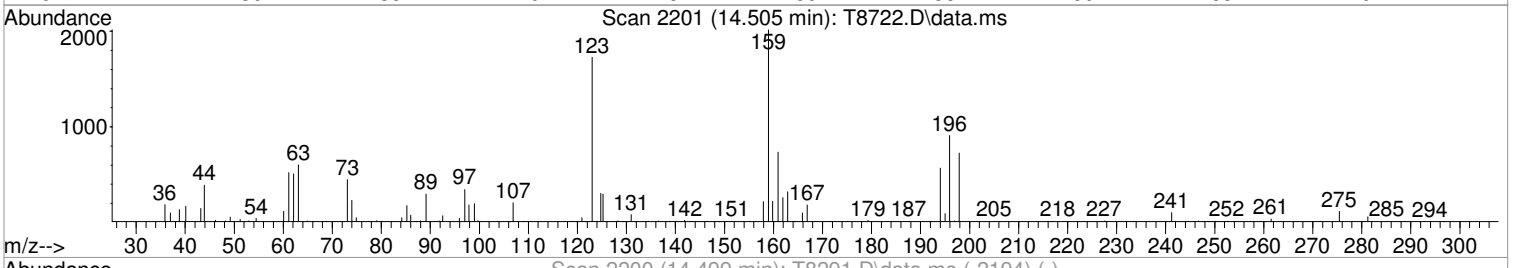
1st FJ 09/08/21
2nd 09/08/21

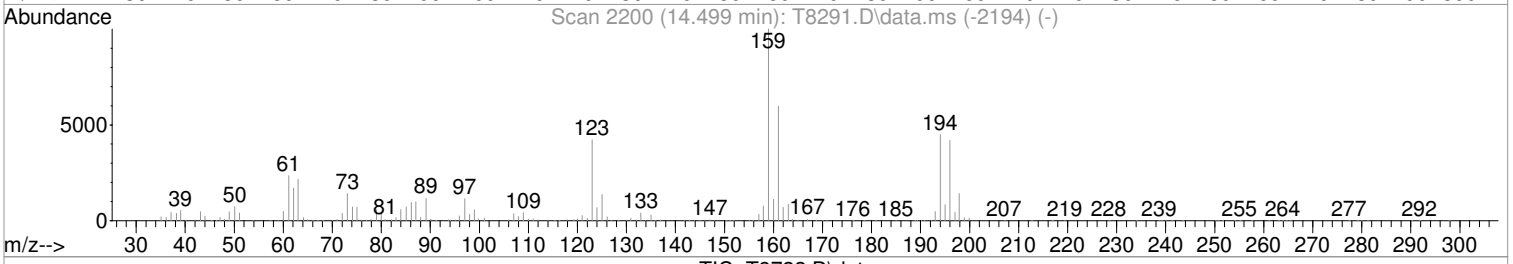
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.505min (-0.000) 1.46 ug/L m

response 2456

Ion	Exp%	Act%
159.00	100	100
161.00	59.80	36.49#
194.00	44.90	28.30
0.00	0.00	0.00

Manual Integration:

After

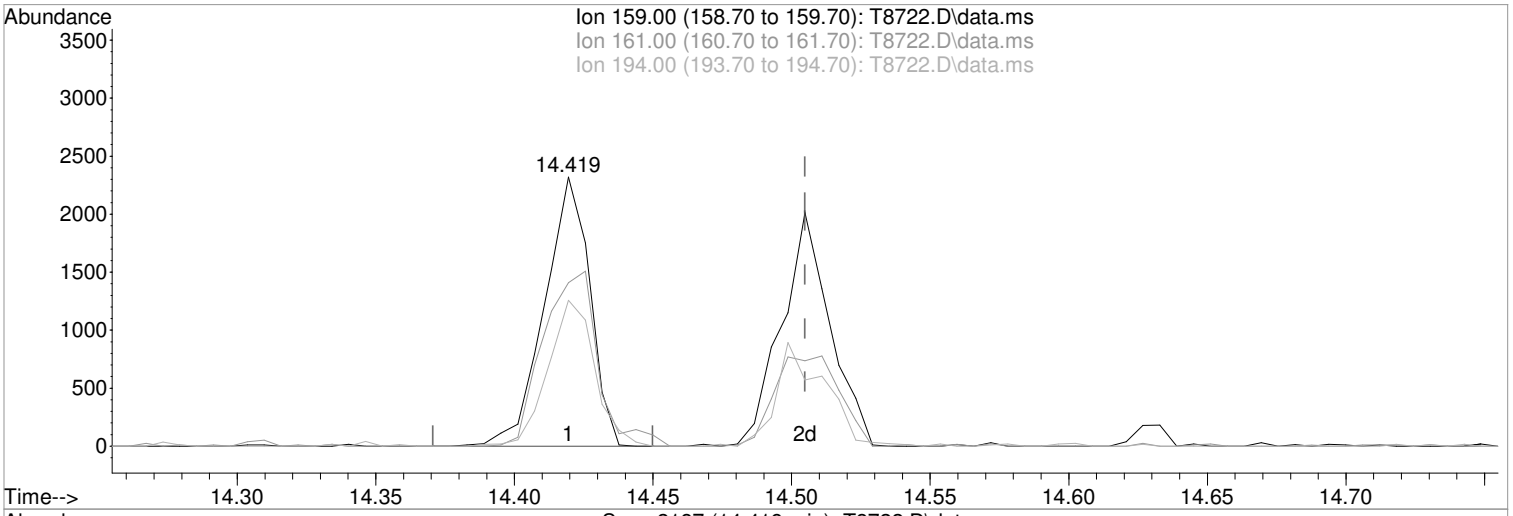
Wrong peak selected.

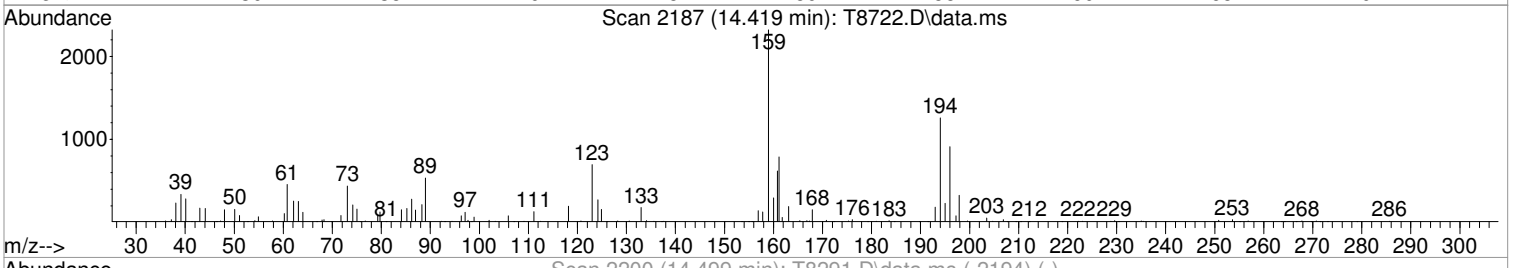
09/08/21

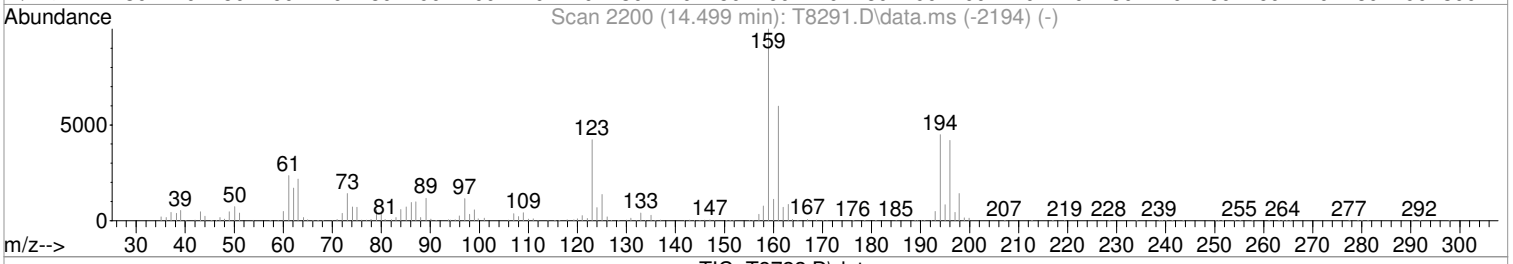
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.419min (-0.085) 1.57 ug/L

response 2633

Ion	Exp%	Act%
159.00	100	100
161.00	59.80	60.76
194.00	44.90	54.25
0.00	0.00	0.00

Manual Integration:

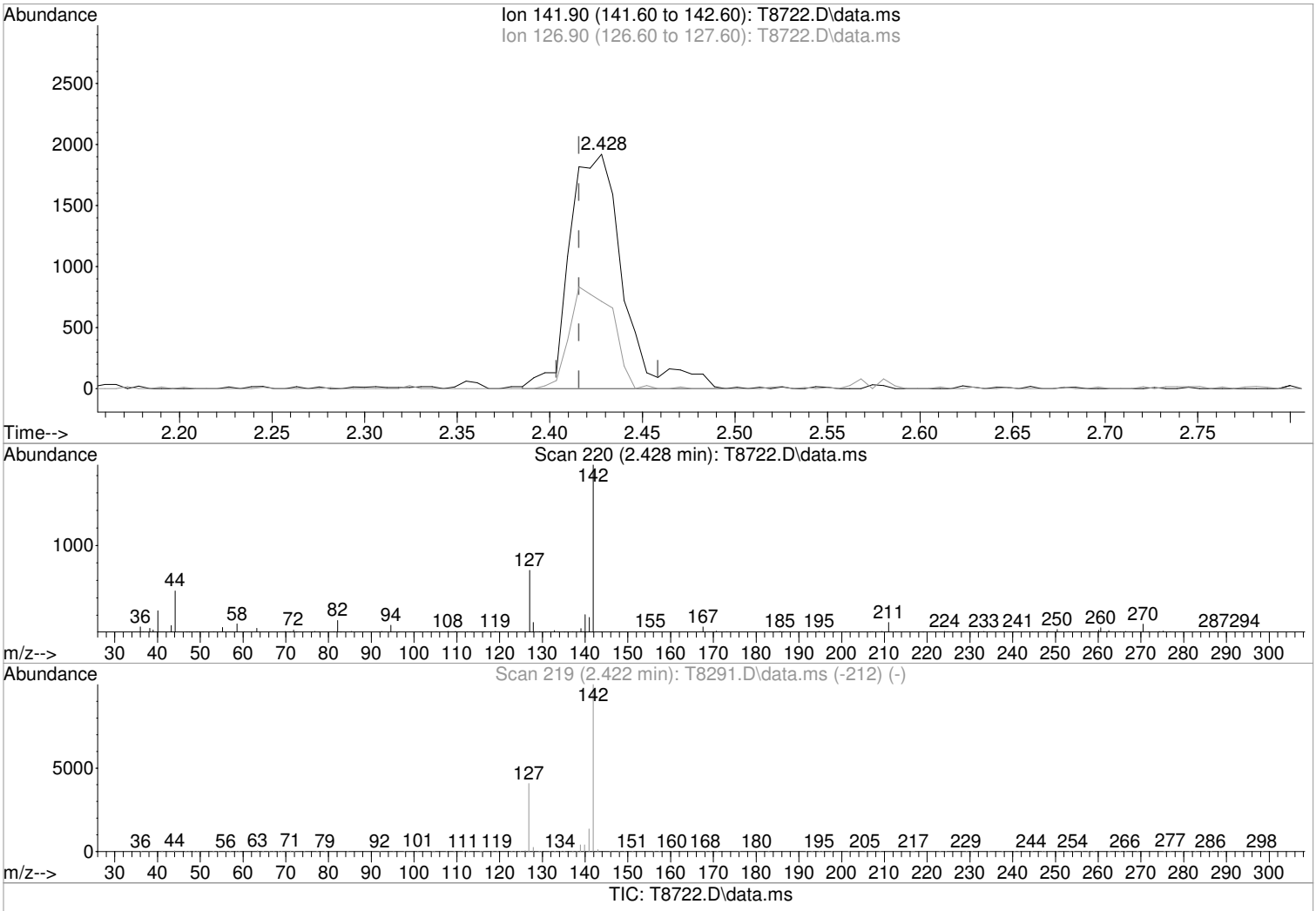
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8722.D\data.ms

(17) Iodomethane

2.428min (+0.012) 1.17 ug/L m

response 3856

Ion	Exp%	Act%
141.90	100	100
126.90	40.70	37.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

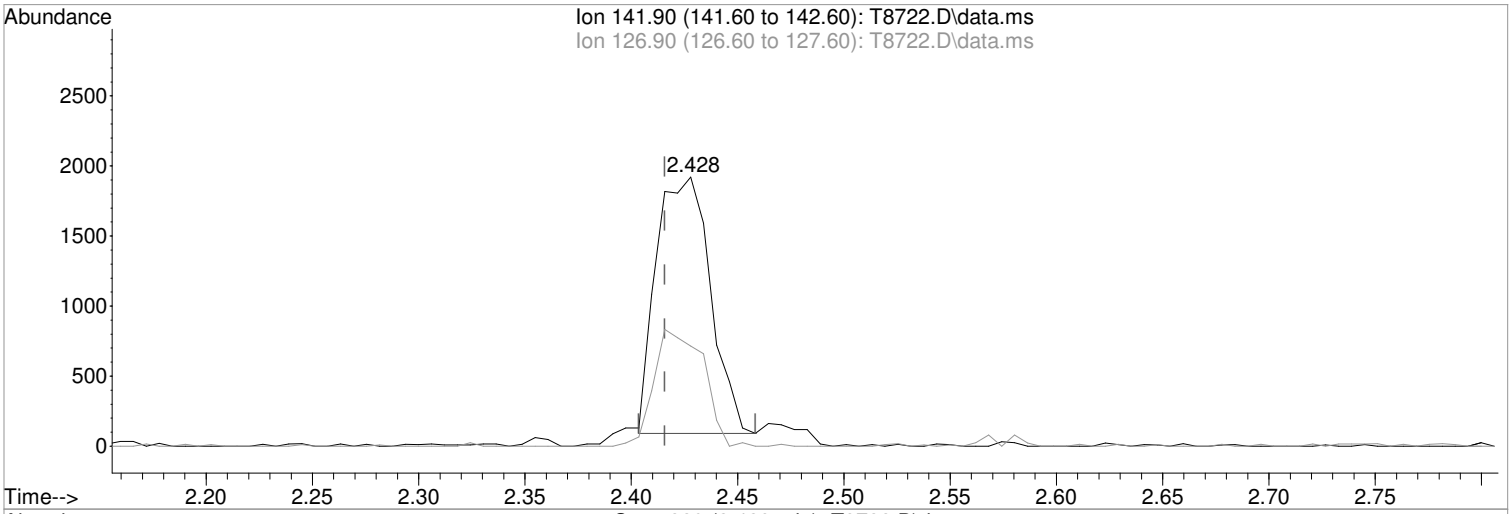
Poor integration.

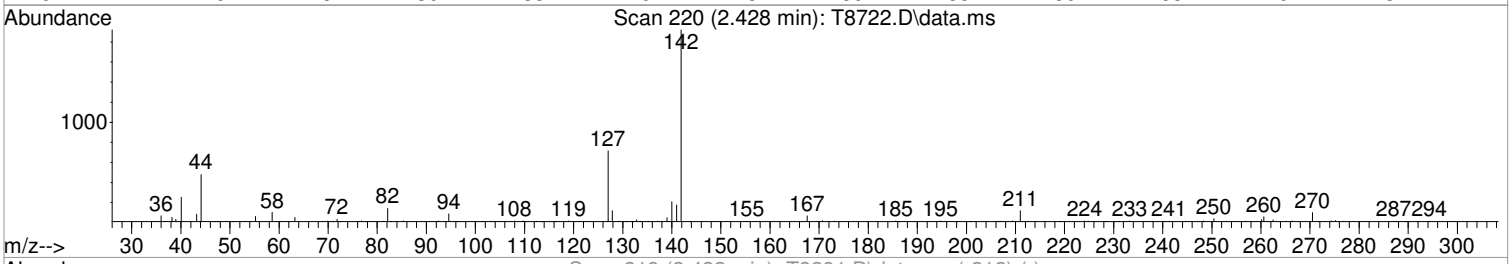
09/08/21

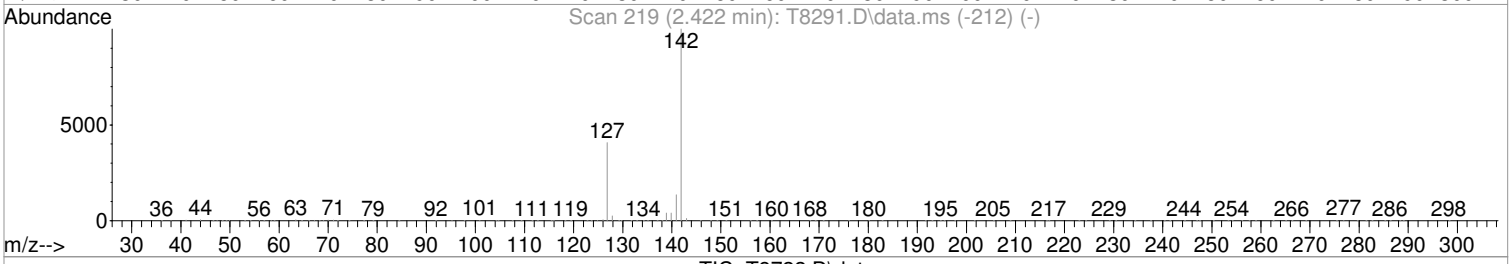
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(17) Iodomethane

2.428min (+0.012) 0.98 ug/L

response 3221

Ion	Exp%	Act%
141.90	100	100
126.90	40.70	37.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

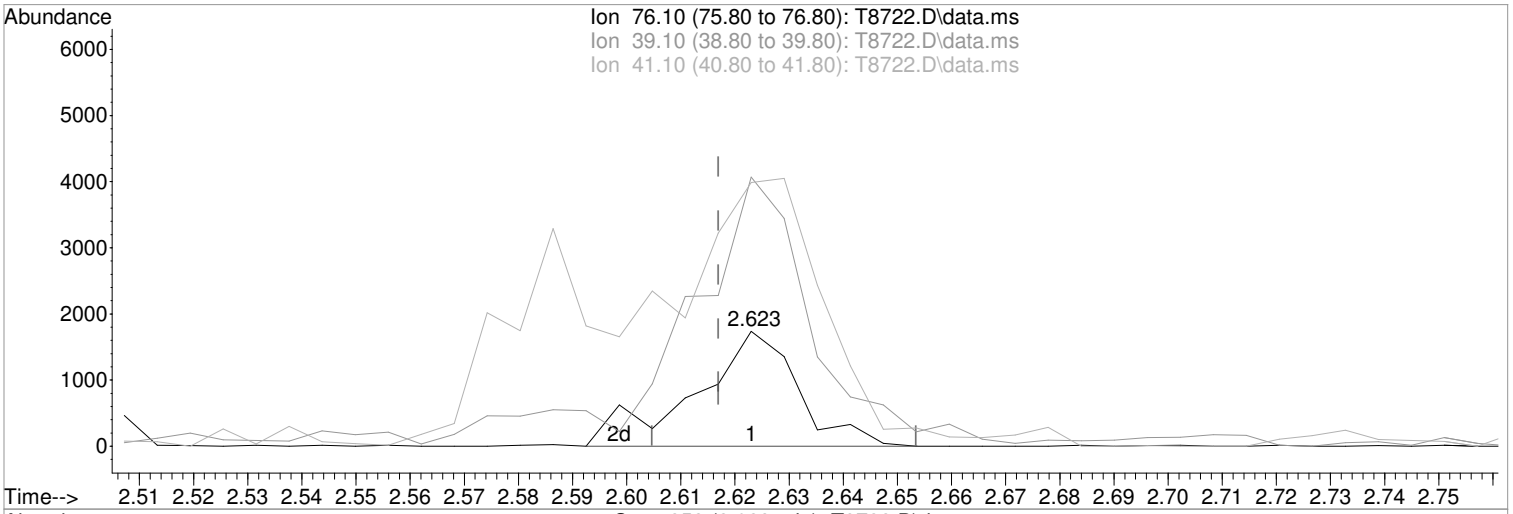
09/08/21

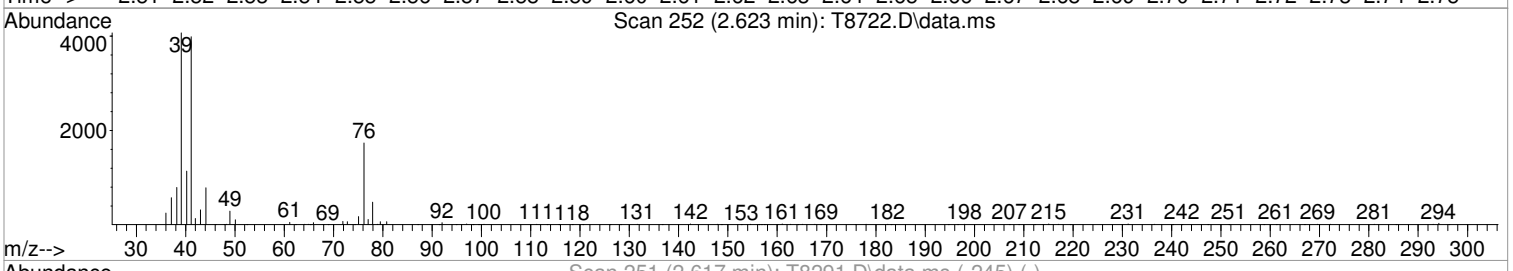
1st FN 09/08/21
2nd 09/08/21

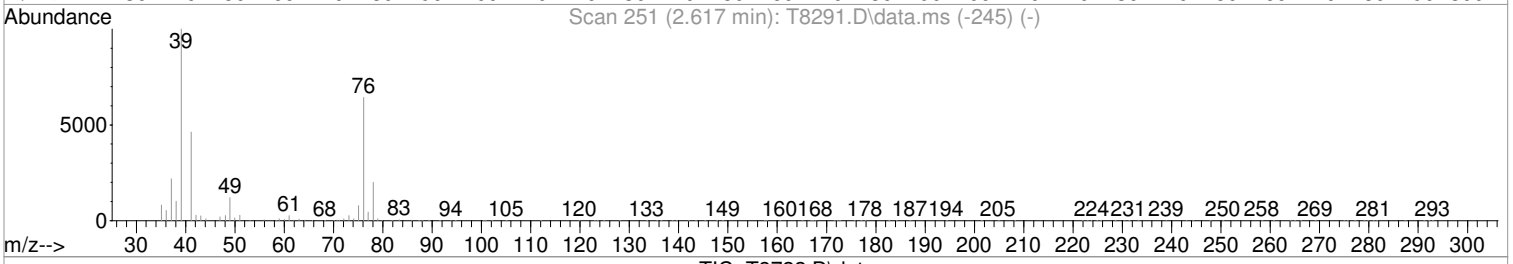
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(20) Allyl Chloride

2.623min (+0.006) 1.69 ug/L m

response 2293

Ion	Exp%	Act%
76.10	100	100
39.10	204.00	233.87#
41.10	296.20	229.15#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

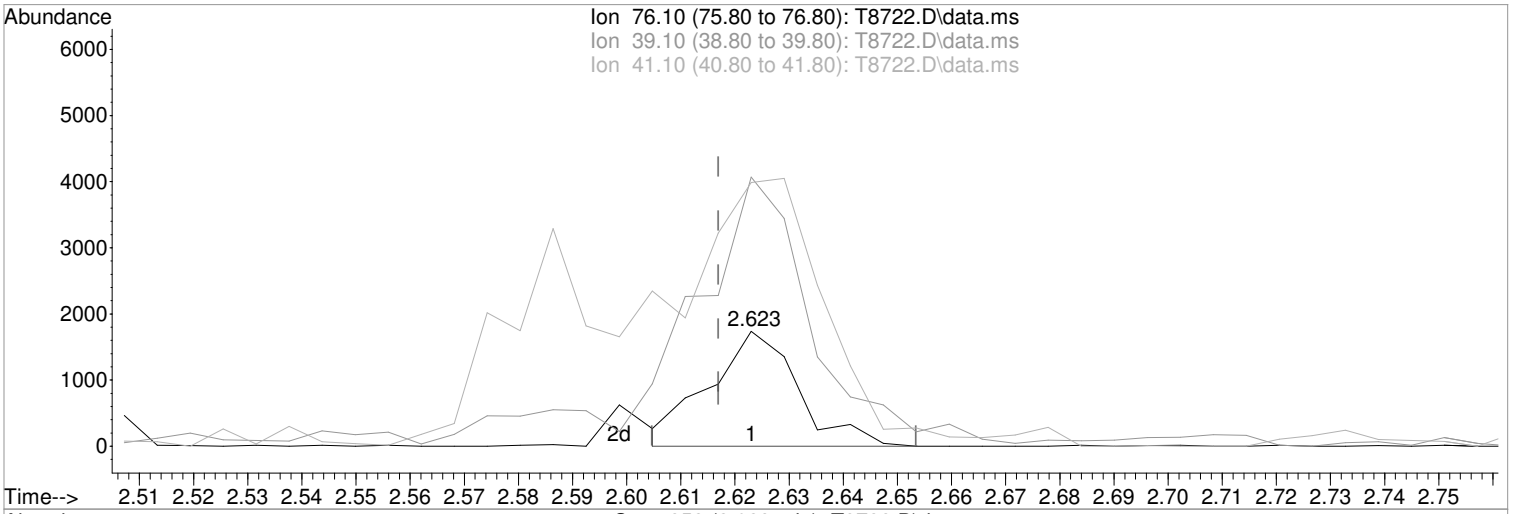
09/08/21

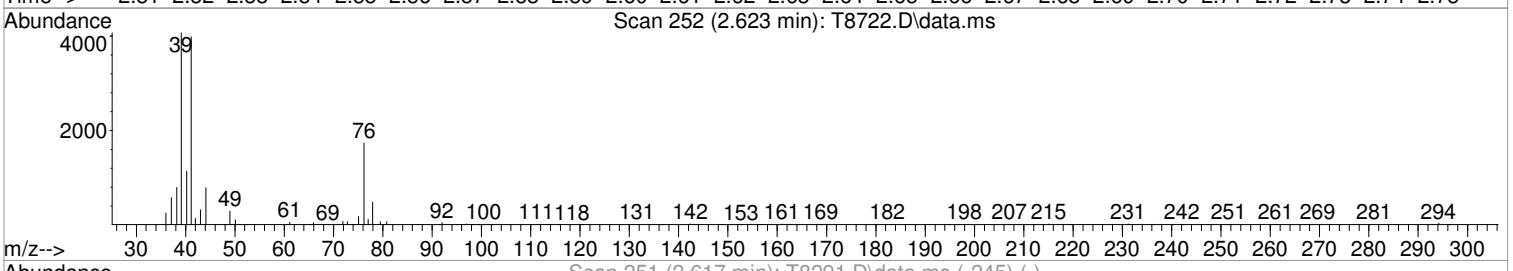
1st FN 09/08/21
2nd 09/08/21

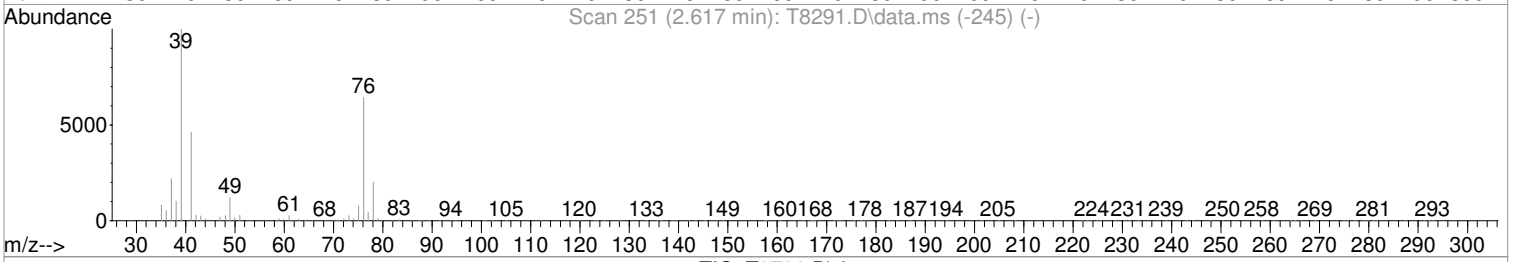
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(20) Allyl Chloride

2.623min (+0.006) 1.45 ug/L

response 1967

Ion	Exp%	Act%
76.10	100	100
39.10	204.00	233.87#
41.10	296.20	229.15#
0.00	0.00	0.00

Manual Integration:

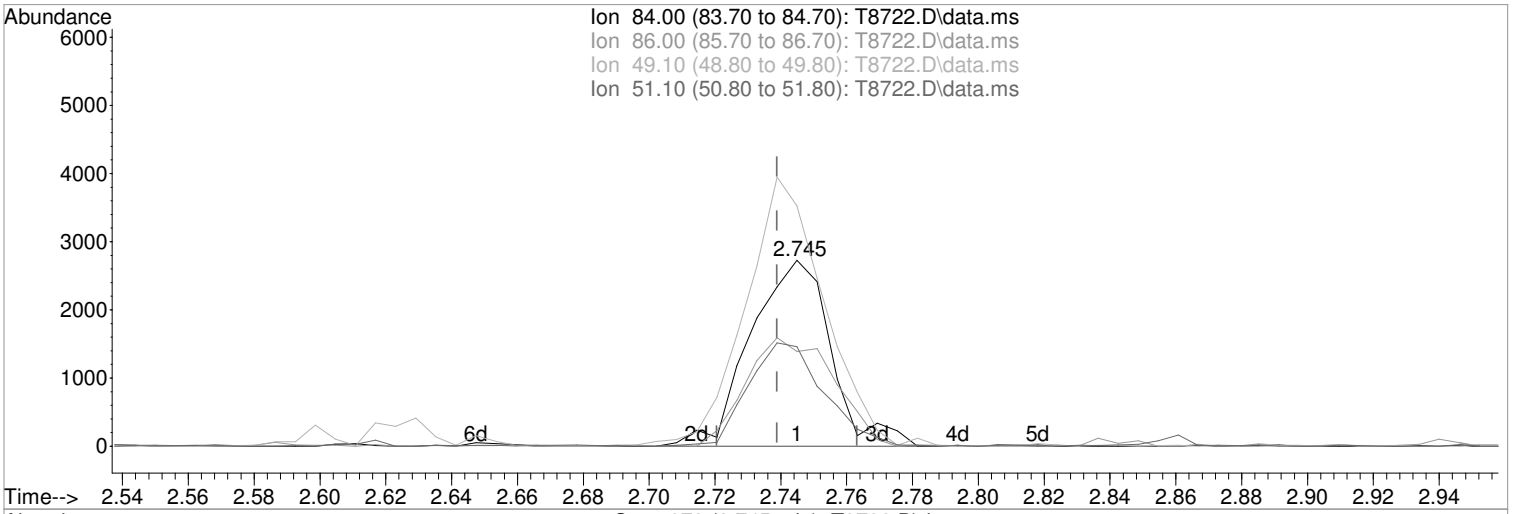
Before

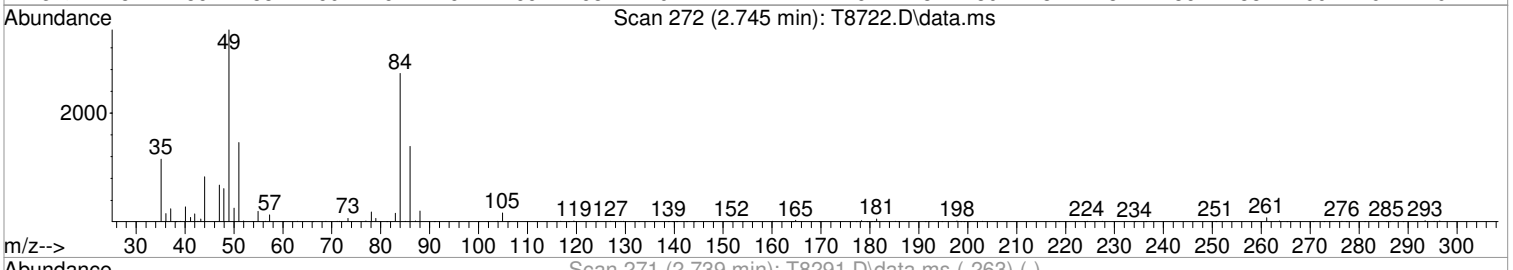
09/08/21

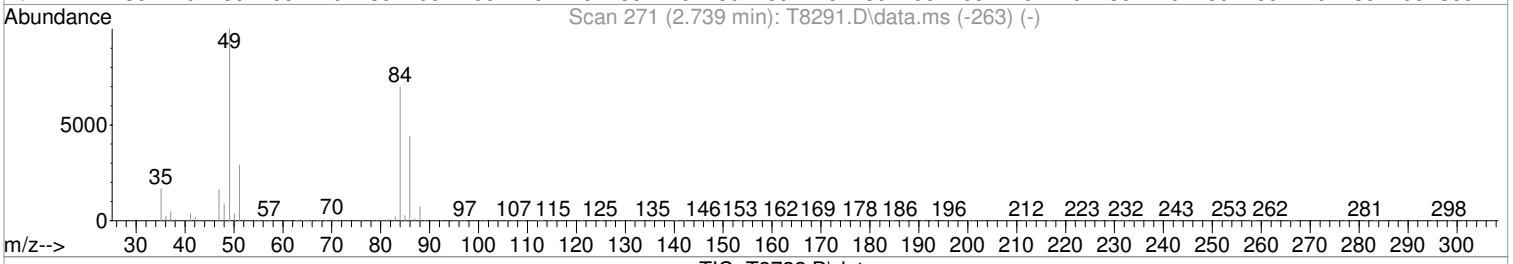
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(22) Methylene Chloride (P)

2.745min (+0.006) 1.77 ug/L m

response 4633

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	51.03
49.10	143.30	129.38
51.10	41.60	53.48

Manual Integration:

After

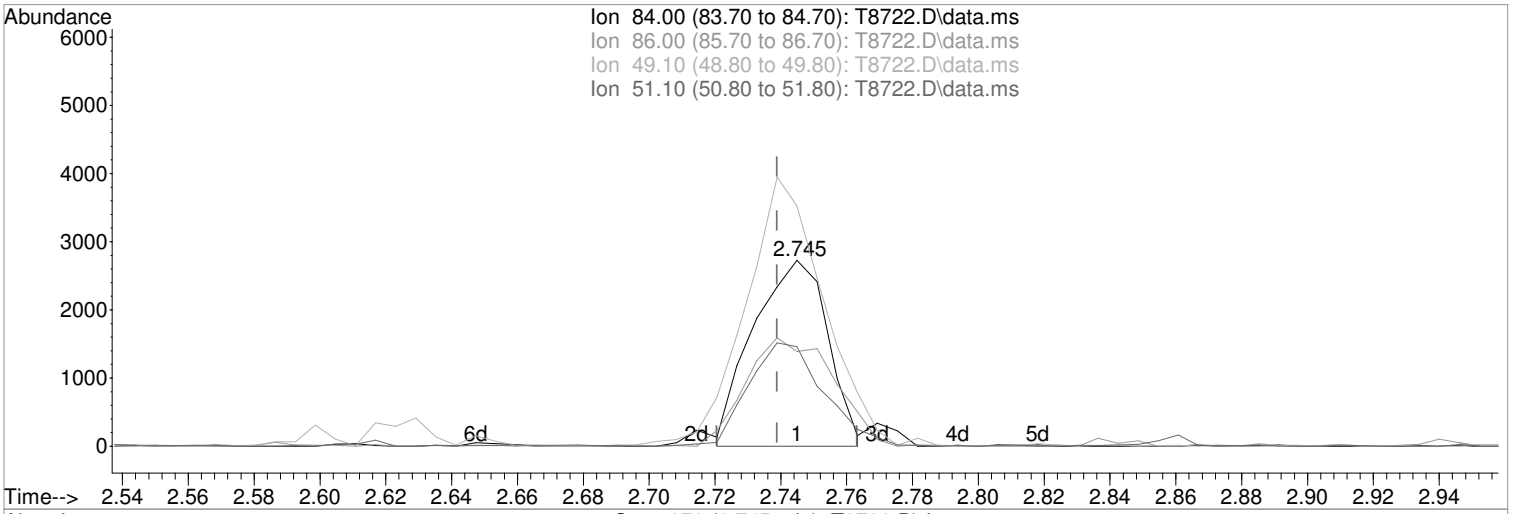
Poor integration.

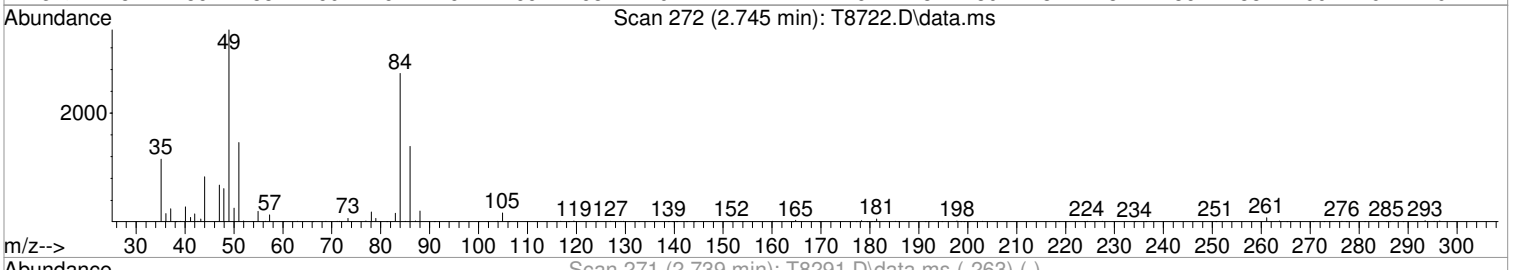
09/08/21

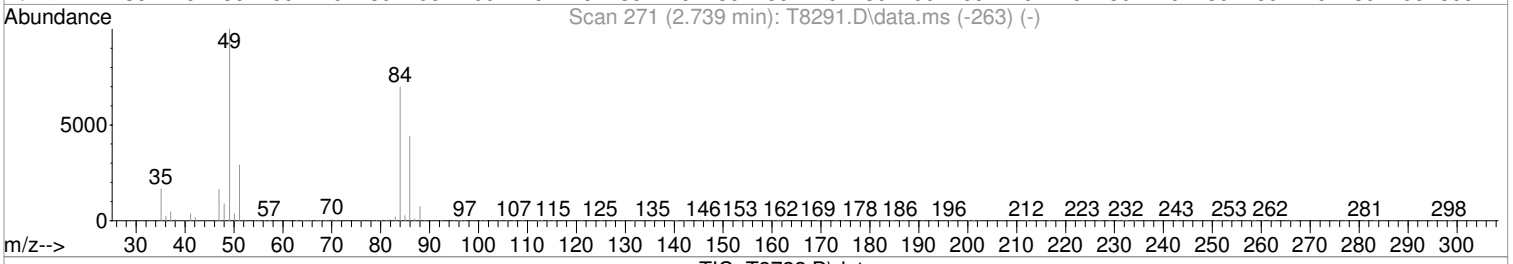
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(22) Methylene Chloride (P)

2.745min (+0.006) 1.64 ug/L

response 4273

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	51.03
49.10	143.30	129.38
51.10	41.60	53.48

Manual Integration:

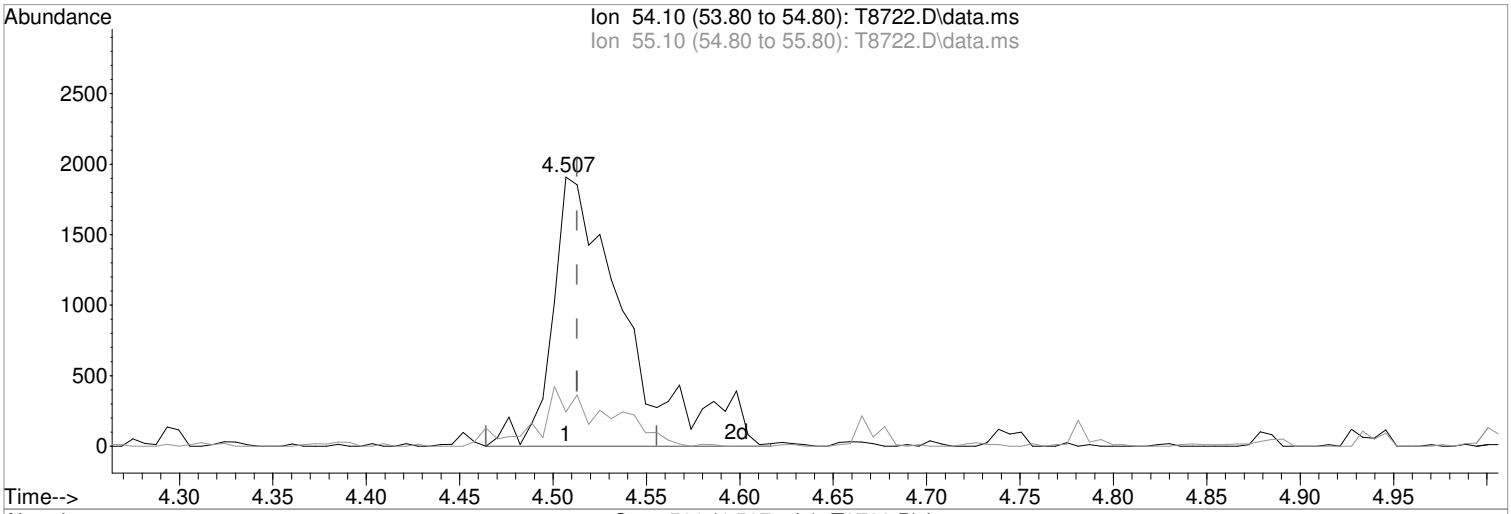
Before

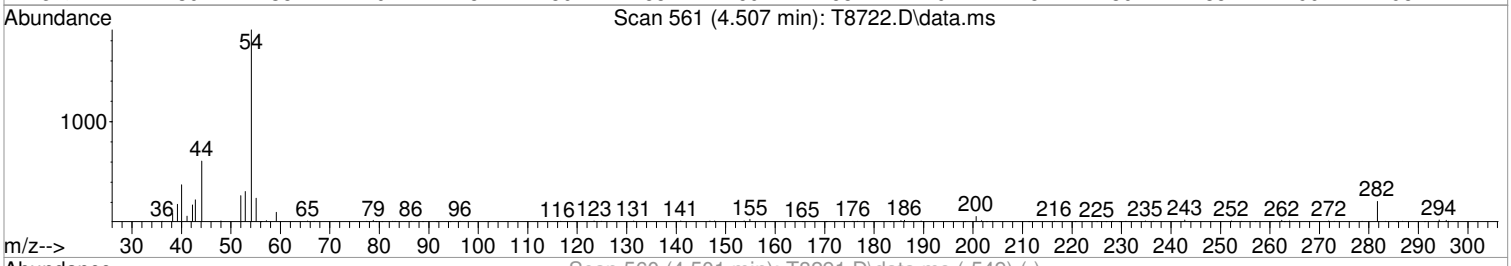
09/08/21

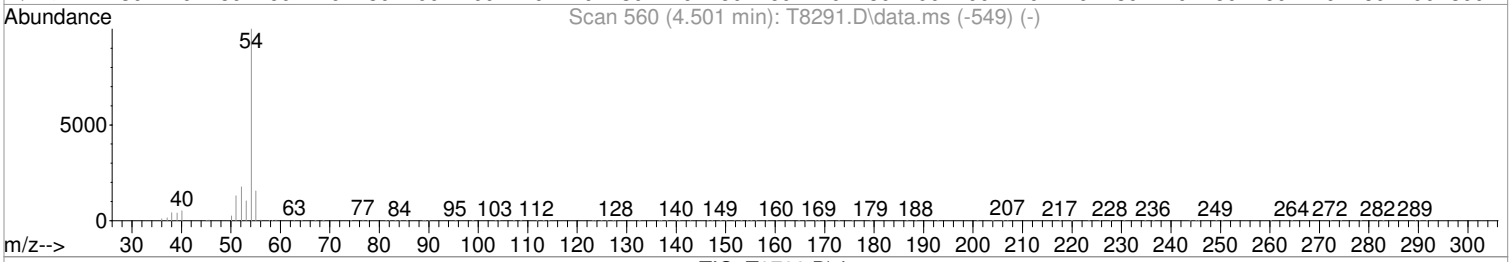
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(35) Propionitrile

4.507min (-0.006) 8.32 ug/L m

response 5209

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	12.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

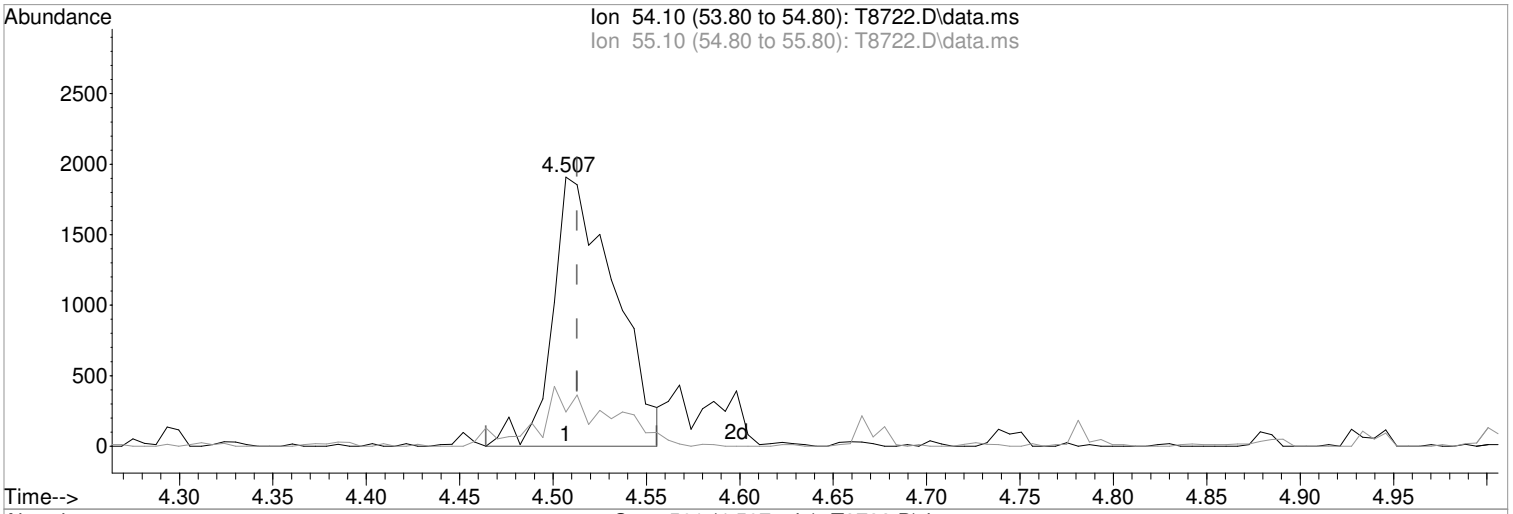
Poor integration.

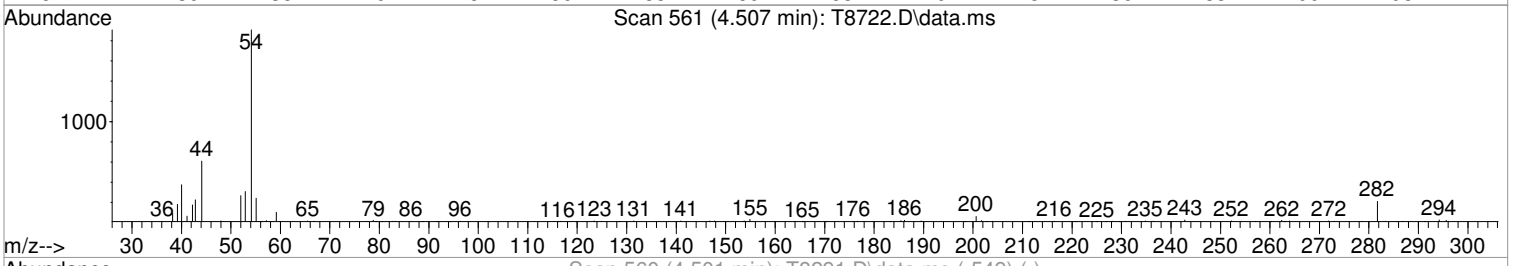
09/08/21

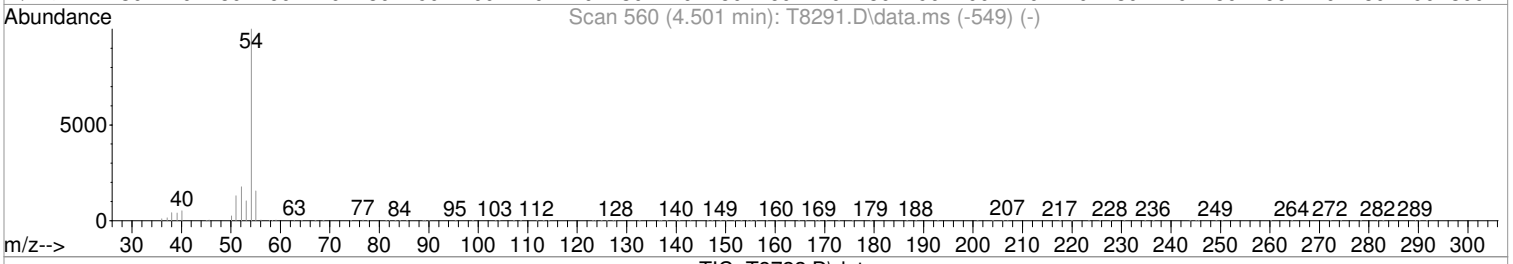
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(35) Propionitrile

4.507min (-0.006) 7.03 ug/L

response 4403

Ion	Exp%	Act%
54.10	100	100
55.10	16.10	12.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

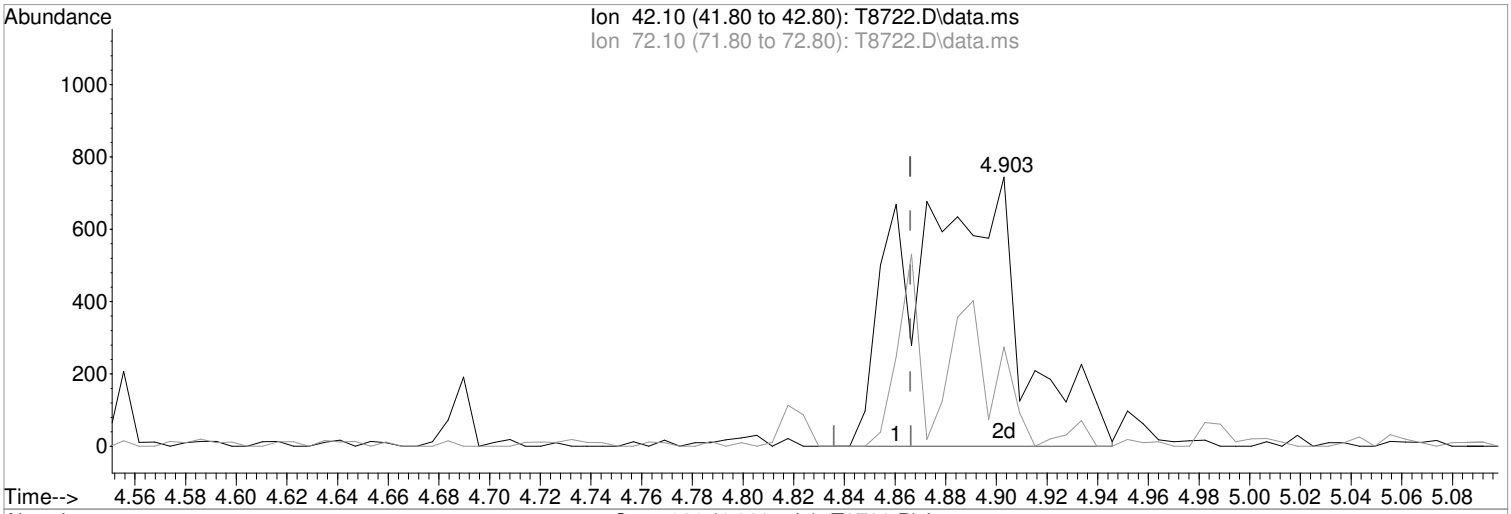
09/08/21

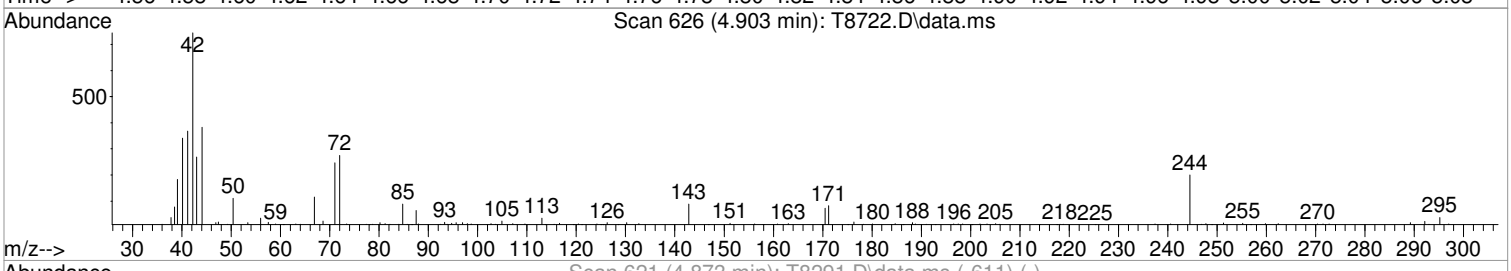
1st FN 09/08/21
2nd 09/08/21

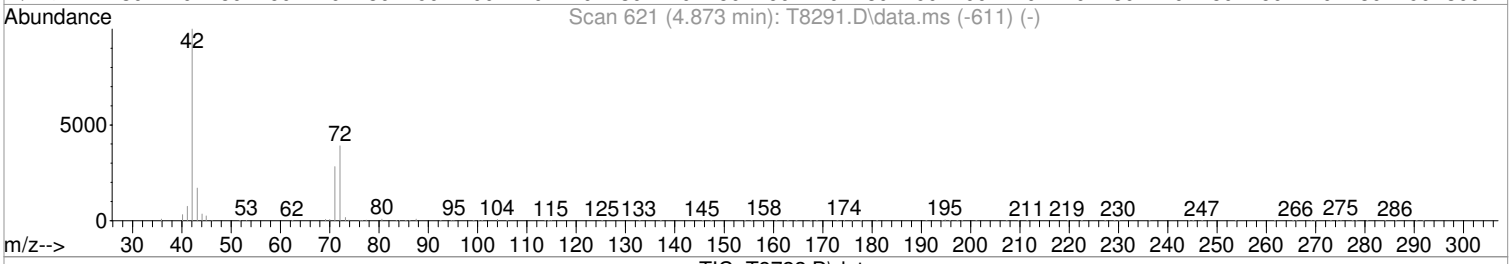
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(38) Tetrahydrofuran

4.903min (+0.037) 1.71 ug/L m

response 2324

Ion	Exp%	Act%
42.10	100	100
72.10	38.40	36.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

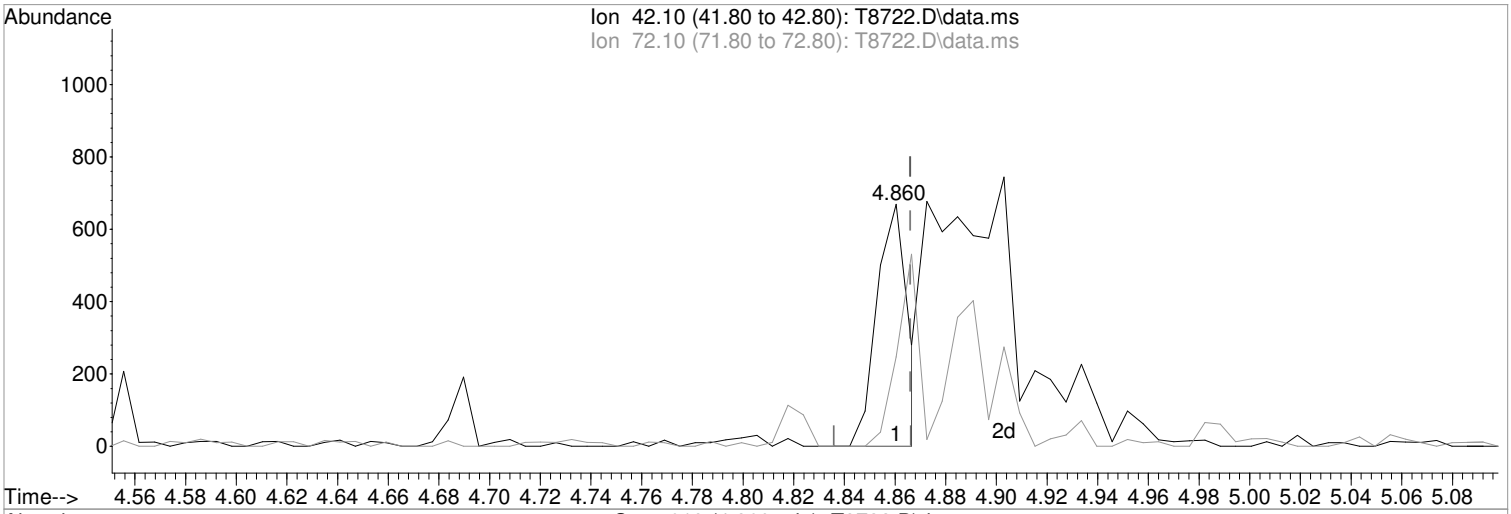
Poor integration.

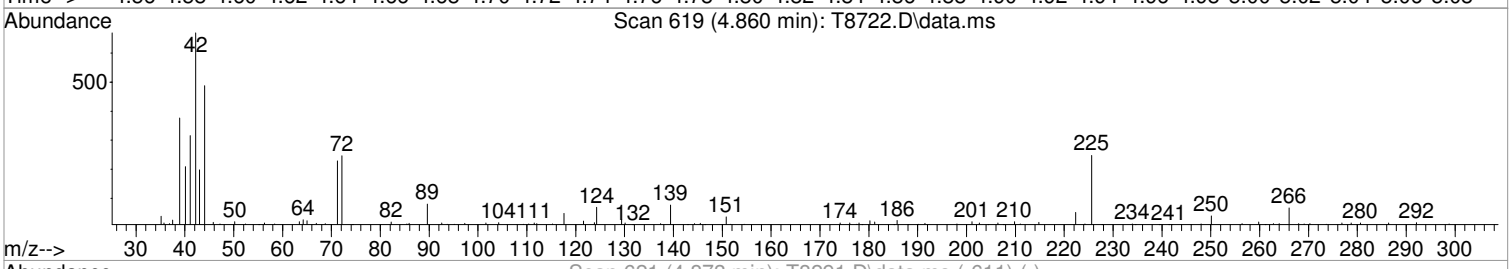
09/08/21

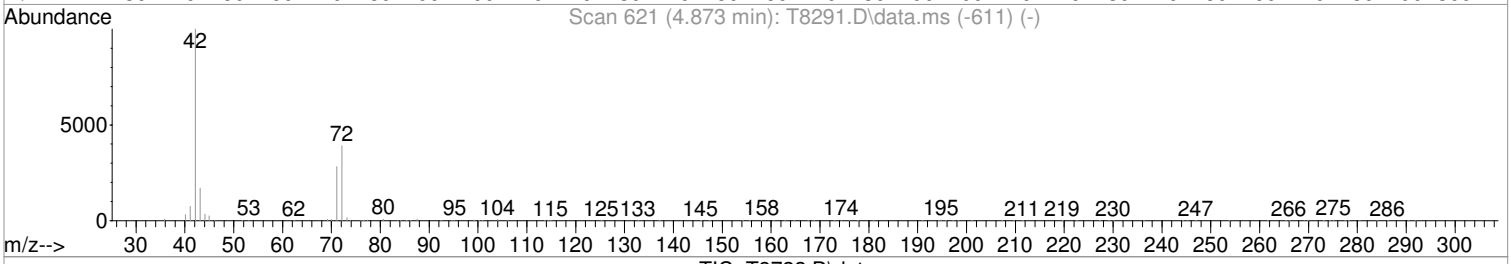
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(38) Tetrahydrofuran

4.860min (-0.006) 0.42 ug/L

response 566

Ion	Exp%	Act%
42.10	100	100
72.10	38.40	36.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

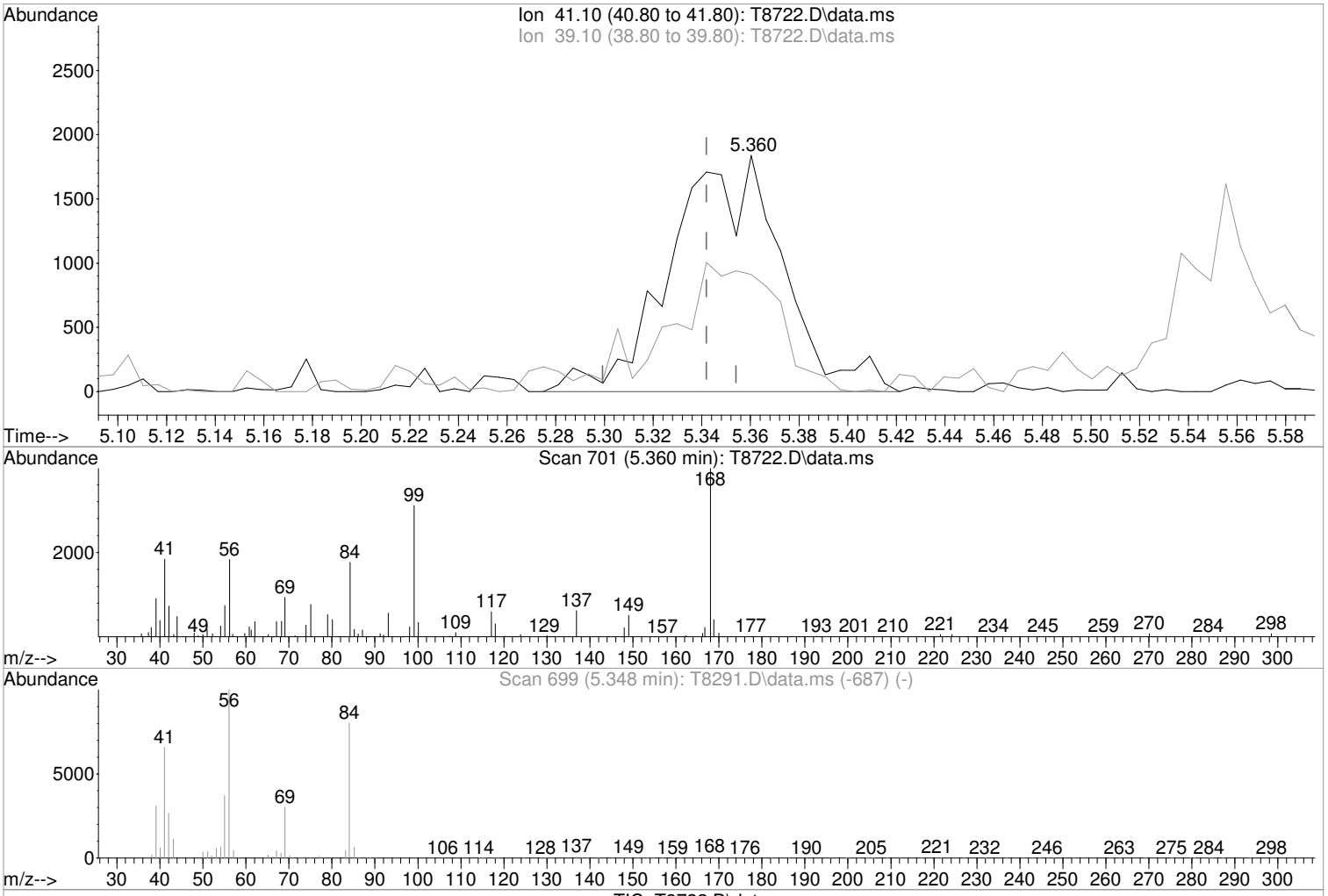
Before

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8722.D\data.ms

(42) Cyclohexane (P)

5.360min (+0.018) 2.27 ug/L m

response 5827

Ion	Exp%	Act%
41.10	100	100
39.10	47.40	49.56
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

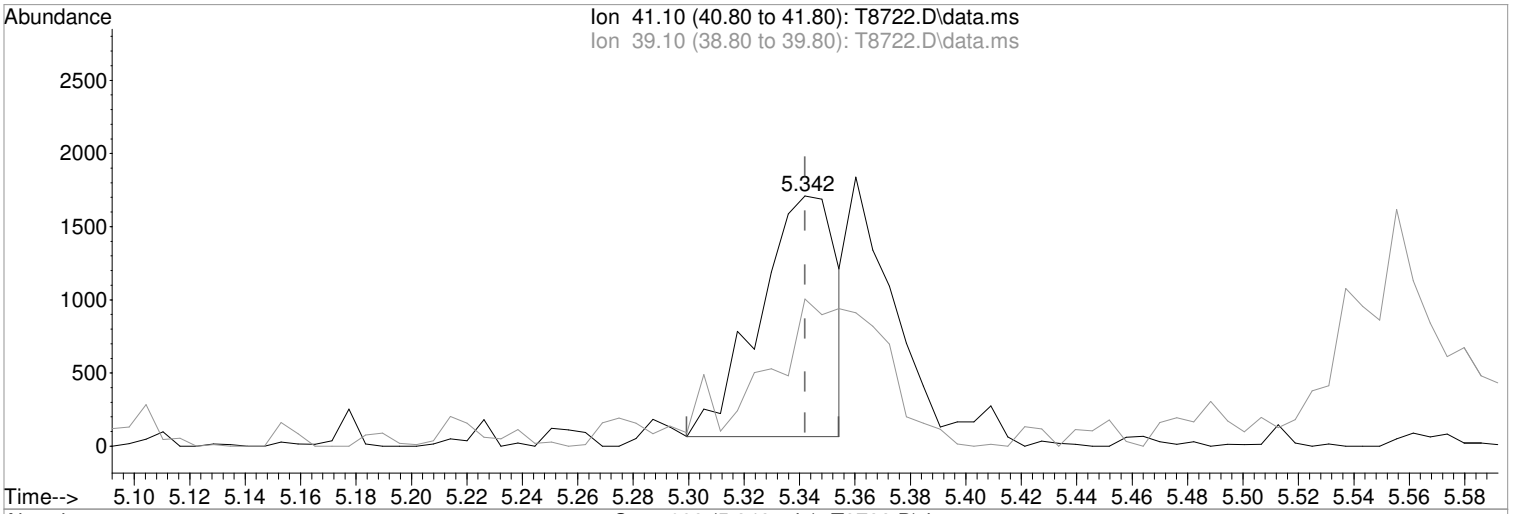
09/08/21

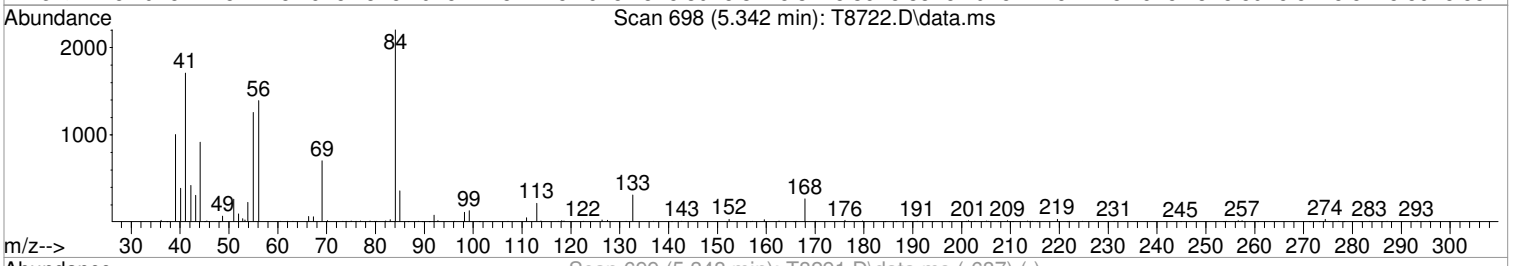
1st FN 09/08/21
2nd 09/08/21

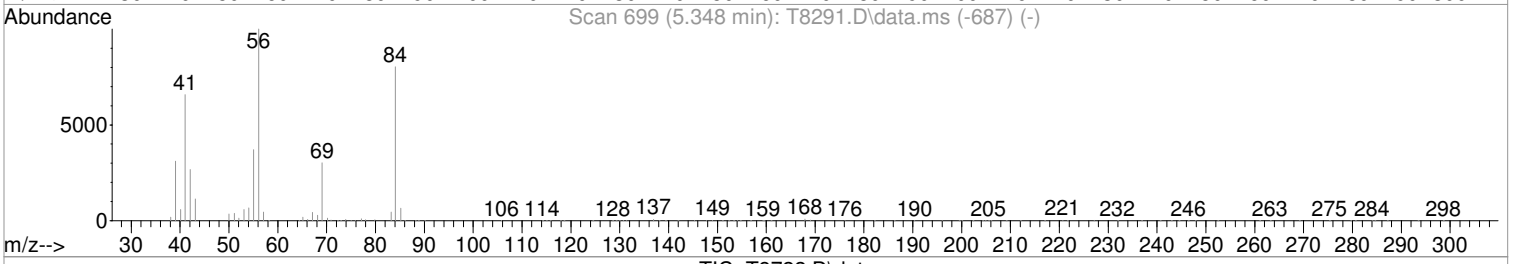
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(42) Cyclohexane (P)

5.342min (-0.000) 1.24 ug/L

response 3188

Ion	Exp%	Act%
41.10	100	100
39.10	47.40	58.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

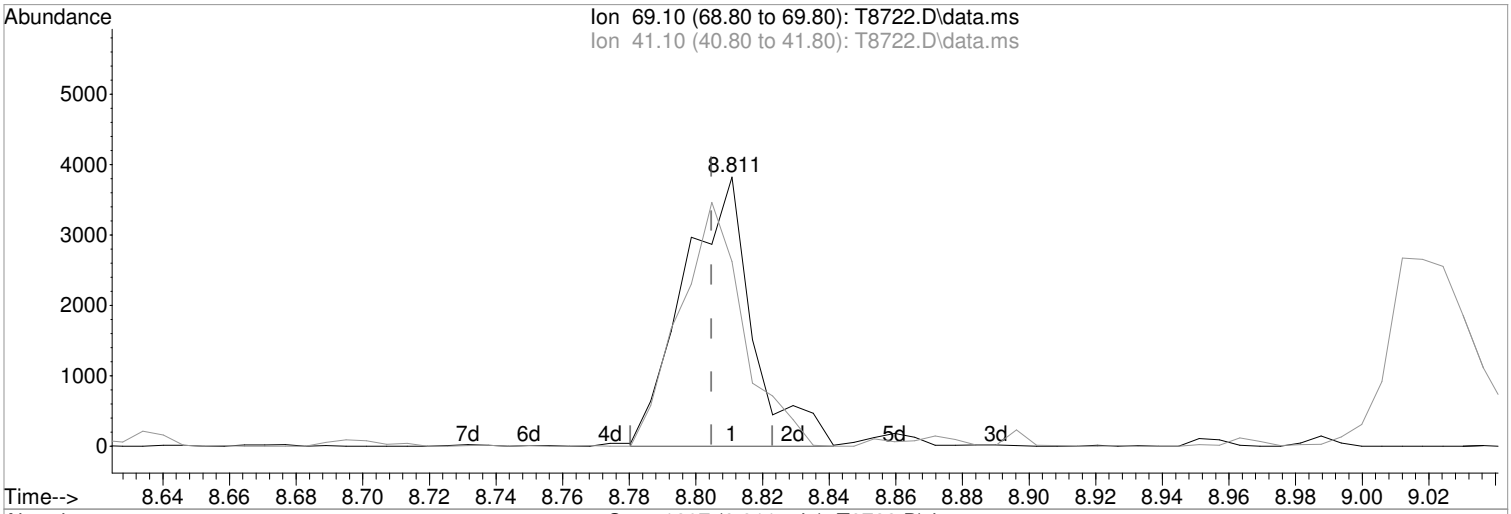
09/08/21

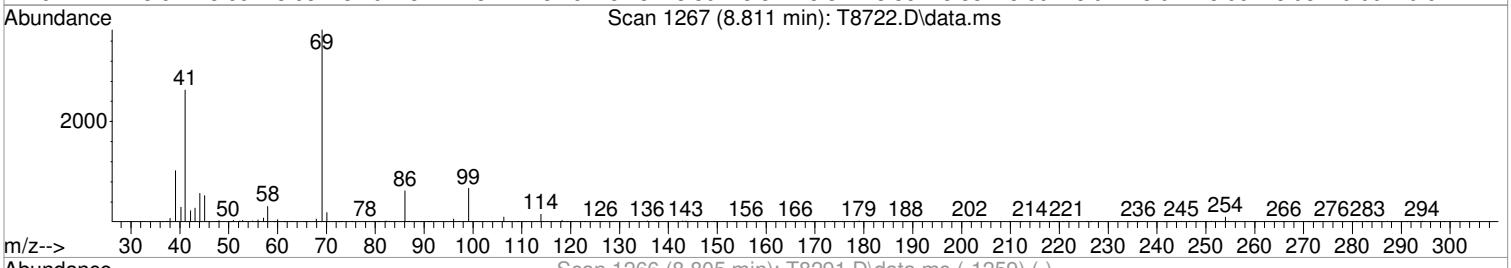
1st FJ 09/08/21
2nd 09/08/21

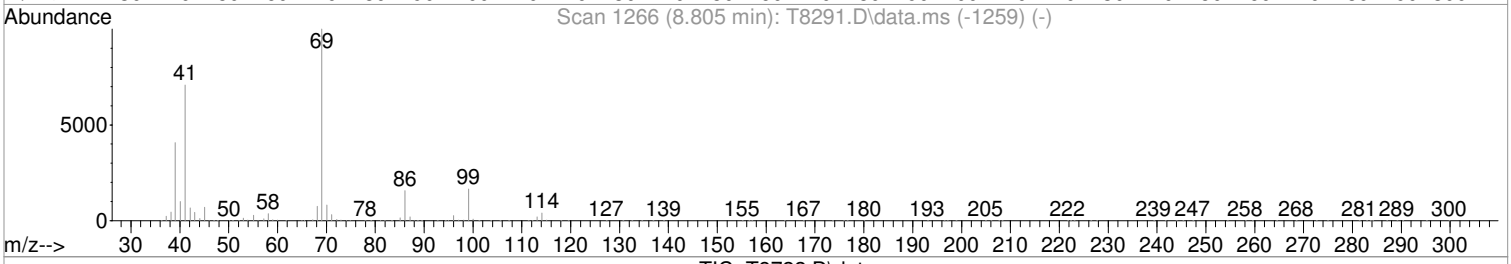
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8722.D\data.ms

(67) Ethyl Methacrylate

8.811min (+0.006) 1.30 ug/L m

response 5471

Ion	Exp%	Act%
69.10	100	100
41.10	70.90	68.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

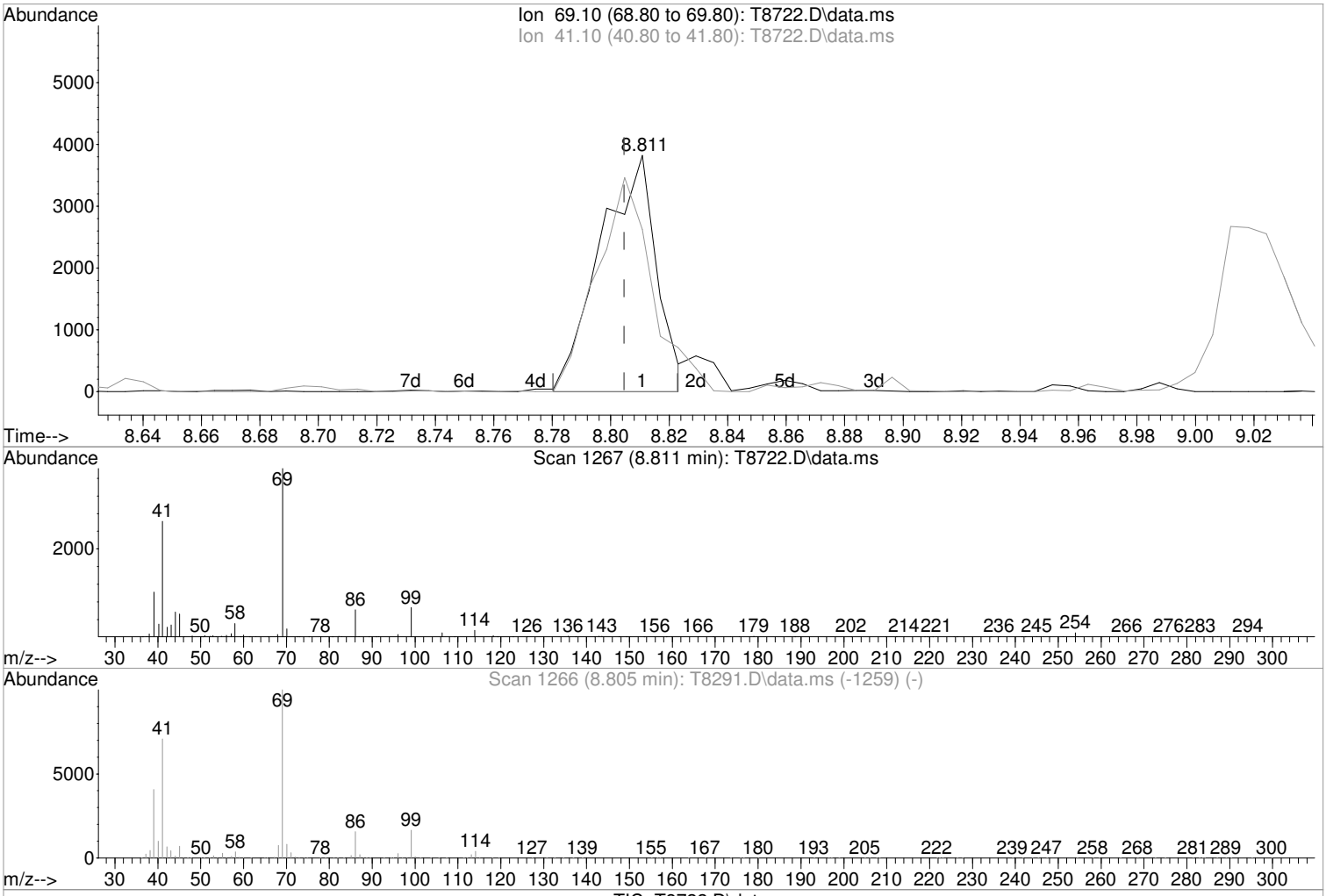
Poor integration.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:05:01 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8722.D\data.ms

(67) Ethyl Methacrylate

8.811min (+0.006) 1.21 ug/L

response 5084

Ion	Exp%	Act%
69.10	100	100
41.10	70.90	68.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:23:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	241979	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	383451	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	349343	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	166646	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	21808	9.30	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 18.60%#				
46) surr1,1,2-dichloroetha...	5.799	65	28837	9.95	ug/L		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 19.90%#				
64) SURR3,Toluene-d8	8.317	98	89926	9.92	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 19.84%#				
69) SURR2,BFB	10.884	95	29575	8.43	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 16.86%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	4717	1.84	ug/L		85
3) Chloromethane	1.282	50	6061	1.83	ug/L		96
4) Vinyl Chloride	1.361	62	5366	1.66	ug/L		82
5) Bromomethane	1.593	94	8136	2.08	ug/L		87
6) Chloroethane	1.672	64	4626	2.05	ug/L		93
7) Freon 21	1.818	67	11605	2.60	ug/L		88
8) Trichlorofluoromethane	1.867	101	7779	2.25	ug/L		87
9) Diethyl Ether	2.105	59	4165	1.83	ug/L	#	78
10) Freon 123a	2.105	67	5514	1.97	ug/L		91
11) Freon 123	2.154	83	6287	2.07	ug/L		96
12) Acrolein	2.202	56	4842	6.29	ug/L		83
13) 1,1-Diclethene	2.294	96	3885	1.92	ug/L	#	87
14) Freon 113	2.300	101	3670	1.77	ug/L	#	65
15) Acetone	2.336	43	3853	2.61	ug/L	#	71
16) 2-Propanol	2.465	45	9067	26.23	ug/L		89
17) Iodomethane	2.428	142	3856m	1.17	ug/L		
18) Carbon Disulfide	2.489	76	7946	1.30	ug/L		68
19) Acetonitrile	2.586	41	4003	6.96	ug/L		96
20) Allyl Chloride	2.623	76	2293m	1.69	ug/L		
21) Methyl Acetate	2.641	43	6205	1.97	ug/L		97
22) Methylene Chloride	2.745	84	4633m	1.77	ug/L		
23) TBA	2.873	59	13190	23.48	ug/L		91
24) Acrylonitrile	3.001	53	11725	7.94	ug/L		83
25) Methyl-t-Butyl Ether	3.050	73	15142	1.78	ug/L		94
26) trans-1,2-Dichloroethene	3.038	96	4340	1.92	ug/L		94
27) 1,1-Diclethane	3.537	63	7243	1.73	ug/L		84
28) Vinyl Acetate	3.635	86	824	1.43	ug/L	#	1
29) DIPE	3.659	45	15176	1.89	ug/L		92
30) 2-Chloro-1,3-Butadiene	3.665	53	5610	1.70	ug/L		95
31) ETBE	4.196	59	13557	1.86	ug/L		70
32) 2,2-Dichloropropane	4.379	77	5889	1.74	ug/L	#	77
33) cis-1,2-Dichloroethene	4.385	96	4806	1.90	ug/L		95
34) 2-Butanone	4.434	43	3950	1.85	ug/L		85
35) Propionitrile	4.507	54	5209m	8.32	ug/L		
36) Bromochloromethane	4.775	130	2976	1.80	ug/L	#	79
37) Methacrylonitrile	4.781	67	1810	1.24	ug/L	#	48
38) Tetrahydrofuran	4.903	42	2324m	1.71	ug/L		
39) Chloroform	4.958	83	8698	1.94	ug/L		87
40) 1,1,1-Trichloroethane	5.257	97	6398	1.98	ug/L		88

1st FNJ 09/08/21
2nd 09/08/21

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:23:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.360	41	5827m	2.27	ug/L		
44) Carbontetrachloride	5.549	117	4910	1.75	ug/L		84
45) 1,1-Dichloropropene	5.555	75	5146	1.68	ug/L		97
47) Benzene	5.878	78	16827	1.74	ug/L		87
48) 1,2-Dichloroethane	5.909	62	7040	1.95	ug/L		79
49) Iso-Butyl Alcohol	5.891	43	5119	20.25	ug/L		96
50) TAME	6.116	73	13190	1.67	ug/L		90
51) n-Heptane	6.372	43	5318	1.77	ug/L		89
52) 1-Butanol	6.866	56	6009	38.93	ug/L		89
53) Trichloroethene	6.823	130	4552	1.76	ug/L	#	70
54) Methylcyclohexane	7.061	55	5541	1.93	ug/L	#	76
55) 1,2-Diclpropane	7.104	63	5119	1.86	ug/L		90
56) Dibromomethane	7.256	93	3072	1.70	ug/L	#	79
57) 1,4-Dioxane	7.317	88	1390	22.10	ug/L	#	61
58) Methyl Methacrylate	7.335	69	3645	1.50	ug/L	#	83
59) Bromodichloromethane	7.482	83	4694	1.38	ug/L		89
60) 2-Nitropropane	7.762	41	2431	2.28	ug/L	#	67
61) 2-Chloroethylvinyl Ether	7.884	63	2907	1.72	ug/L		81
62) cis-1,3-Dichloropropene	8.018	75	6025	1.51	ug/L		80
63) 4-Methyl-2-pentanone	8.232	43	5173	1.31	ug/L		86
65) Toluene	8.390	91	18580	1.82	ug/L		97
66) trans-1,3-Dichloropropene	8.665	75	5514	1.45	ug/L		92
67) Ethyl Methacrylate	8.811	69	5471m	1.30	ug/L		
68) 1,1,2-Trichloroethane	8.854	97	3848	1.58	ug/L	#	87
71) Tetrachloroethene	8.988	164	3312	1.79	ug/L	#	77
72) 2-Hexanone	9.140	43	3738	1.26	ug/L		89
73) 1,3-Dichloropropane	9.018	76	7281	1.77	ug/L		92
74) Dibromochloromethane	9.250	129	3371	1.43	ug/L		84
75) N-Butyl Acetate	9.299	43	7537	1.33	ug/L		84
76) 1,2-Dibromoethane	9.341	107	3805	1.47	ug/L		82
77) 3-Chlorobenzotrifluoride	9.853	180	6211	1.86	ug/L		88
78) Chlorobenzene	9.841	112	11958	1.85	ug/L	#	80
79) 4-Chlorobenzotrifluoride	9.908	180	4989	1.66	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.926	131	3523	1.56	ug/L		79
81) Ethylbenzene	9.957	106	5659	1.69	ug/L	#	79
82) (m+p)Xylene	10.067	106	13996	3.30	ug/L		93
83) o-Xylene	10.426	106	7658	1.83	ug/L	#	84
84) Styrene	10.439	104	10979	1.50	ug/L		92
85) Bromoform	10.591	173	1987	1.06	ug/L		76
86) 2-Chlorobenzotrifluoride	10.670	180	5619	1.67	ug/L	#	69
87) Isopropylbenzene	10.762	105	16827	1.71	ug/L		98
88) Cyclohexanone	10.823	55	16140	24.66	ug/L		95
89) trans-1,4-Dichloro-2-B...	11.066	53	926	0.97	ug/L	#	47
91) 1,1,2,2-Tetrachloroethane	11.024	83	5028	1.61	ug/L		87
92) Bromobenzene	11.012	156	4453	1.73	ug/L	#	83
93) 1,2,3-Trichloropropane	11.054	110	2055	1.95	ug/L	#	50
94) n-Propylbenzene	11.115	91	20432	1.95	ug/L		96
95) 2-Chlorotoluene	11.182	91	11867	1.78	ug/L		87
96) 3-Chlorotoluene	11.231	91	12541	1.97	ug/L		89
97) 4-Chlorotoluene	11.274	91	12968	1.80	ug/L		94
98) 1,3,5-Trimethylbenzene	11.268	105	14184	1.88	ug/L		86
99) tert-Butylbenzene	11.542	119	12334	1.92	ug/L		93
100) 1,2,4-Trimethylbenzene	11.585	105	14130	1.89	ug/L		86
101) 3,4-Dichlorobenzotrifl...	11.640	214	4116	1.80	ug/L		82
102) sec-Butylbenzene	11.725	105	17447	1.92	ug/L		85
103) p-Isopropyltoluene	11.847	119	13708	1.73	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:23:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

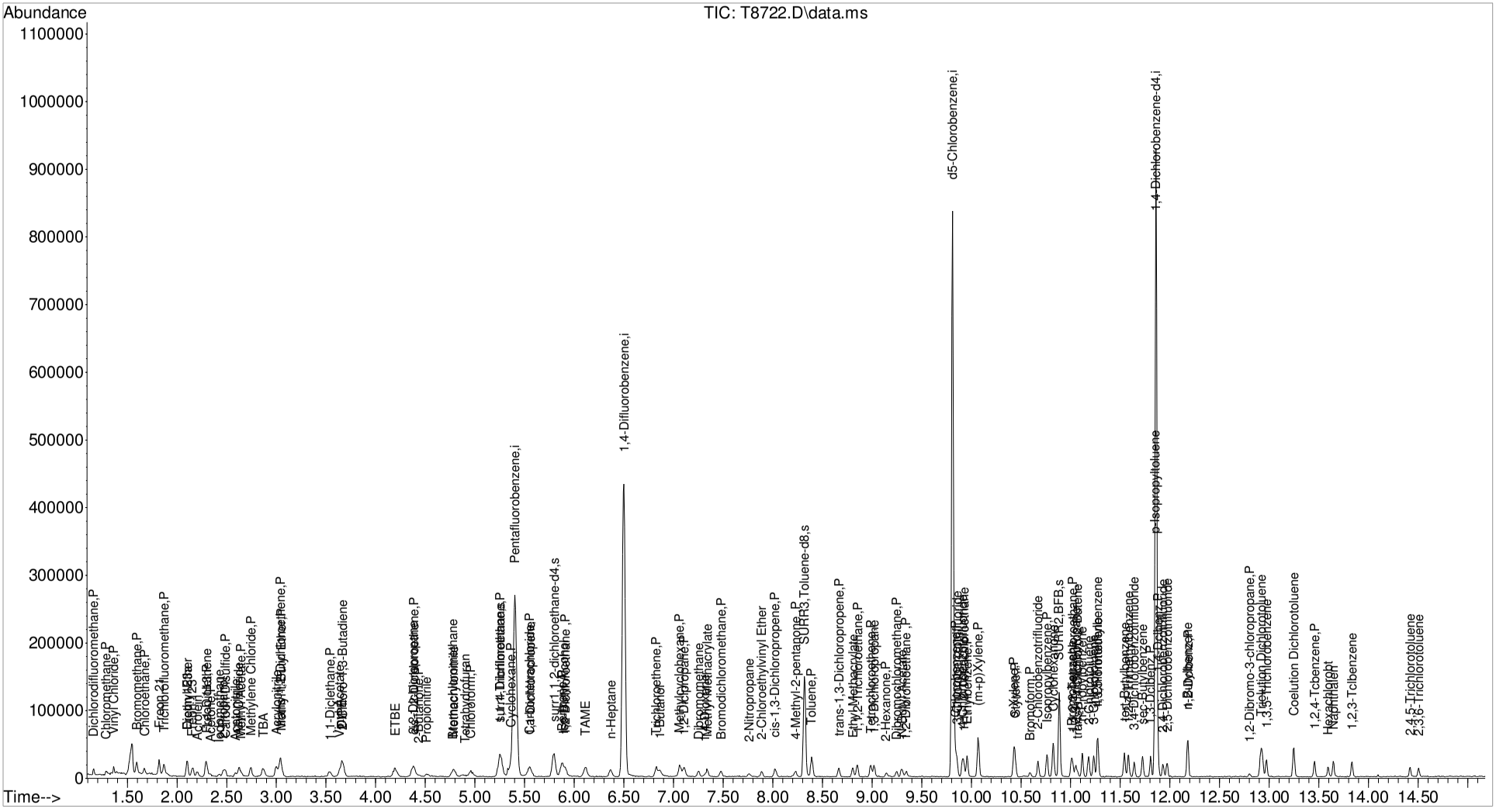
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	7931	1.73	ug/L	90
105) 1,4-Dclbenz	11.877	146	8886	1.82	ug/L	82
106) 2,4-Dichlorobenzotrifl...	11.926	214	3480	1.64	ug/L #	84
107) 2,5-Dichlorobenzotrifl...	11.975	214	3304	1.38	ug/L	81
108) n-Butylbenzene	12.176	91	12933	1.74	ug/L	97
109) 1,2-Dclbenz	12.182	146	8360	1.79	ug/L	94
110) 1,2-Dibromo-3-chloropr...	12.798	157	870	1.20	ug/L #	82
111) Trielution Dichlorotol...	12.920	125	18151	5.09	ug/L	91
112) 1,3,5-Trichlorobenzene	12.975	180	5684	1.72	ug/L	90
113) Coelution Dichlorotoluene	13.249	125	13182	3.32	ug/L	97
114) 1,2,4-Tcbenzene	13.456	180	5151	1.72	ug/L	93
115) Hexachlorobt	13.590	225	1422	1.16	ug/L #	60
116) Naphthalen	13.645	128	14164	1.55	ug/L	93
117) 1,2,3-Tclbenzene	13.834	180	4928	1.65	ug/L	84
118) 2,4,5-Trichlorotoluene	14.419	159	2633	1.39	ug/L	90
119) 2,3,6-Trichlorotoluene	14.505	159	2456m	1.46	ug/L	

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8722.D
Acq On : 2 Sep 2021 11:50 am
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 09:23:59 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

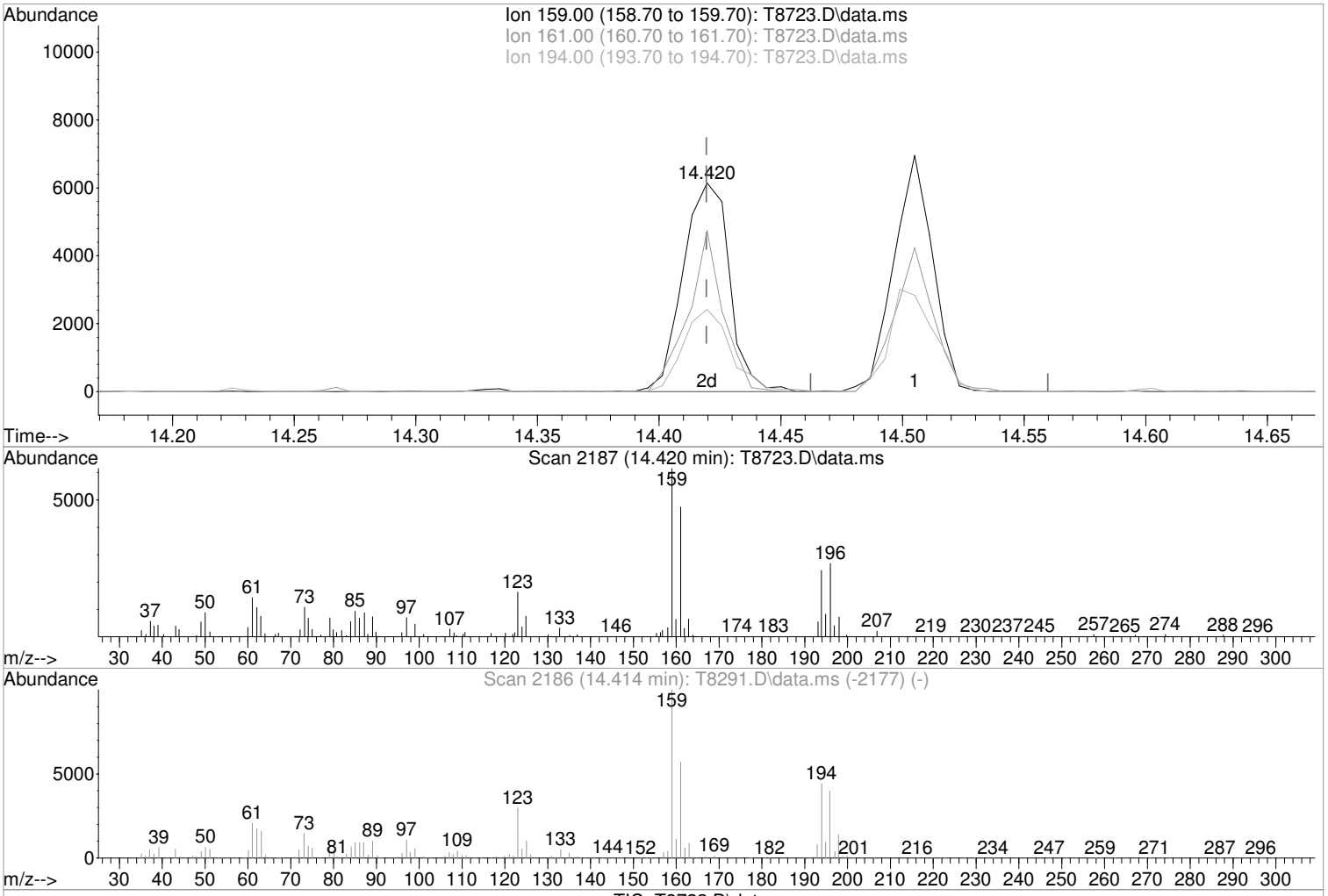


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1st FJ 09/08/21
2nd 09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8723.D\data.ms

(118) 2,4,5-Trichlorotoluene

14.420min (+0.000) 4.28 ug/L m

response 8133

Ion	Exp%	Act%
159.00	100	100
161.00	56.90	77.23#
194.00	44.20	39.46
0.00	0.00	0.00

Manual Integration:

After

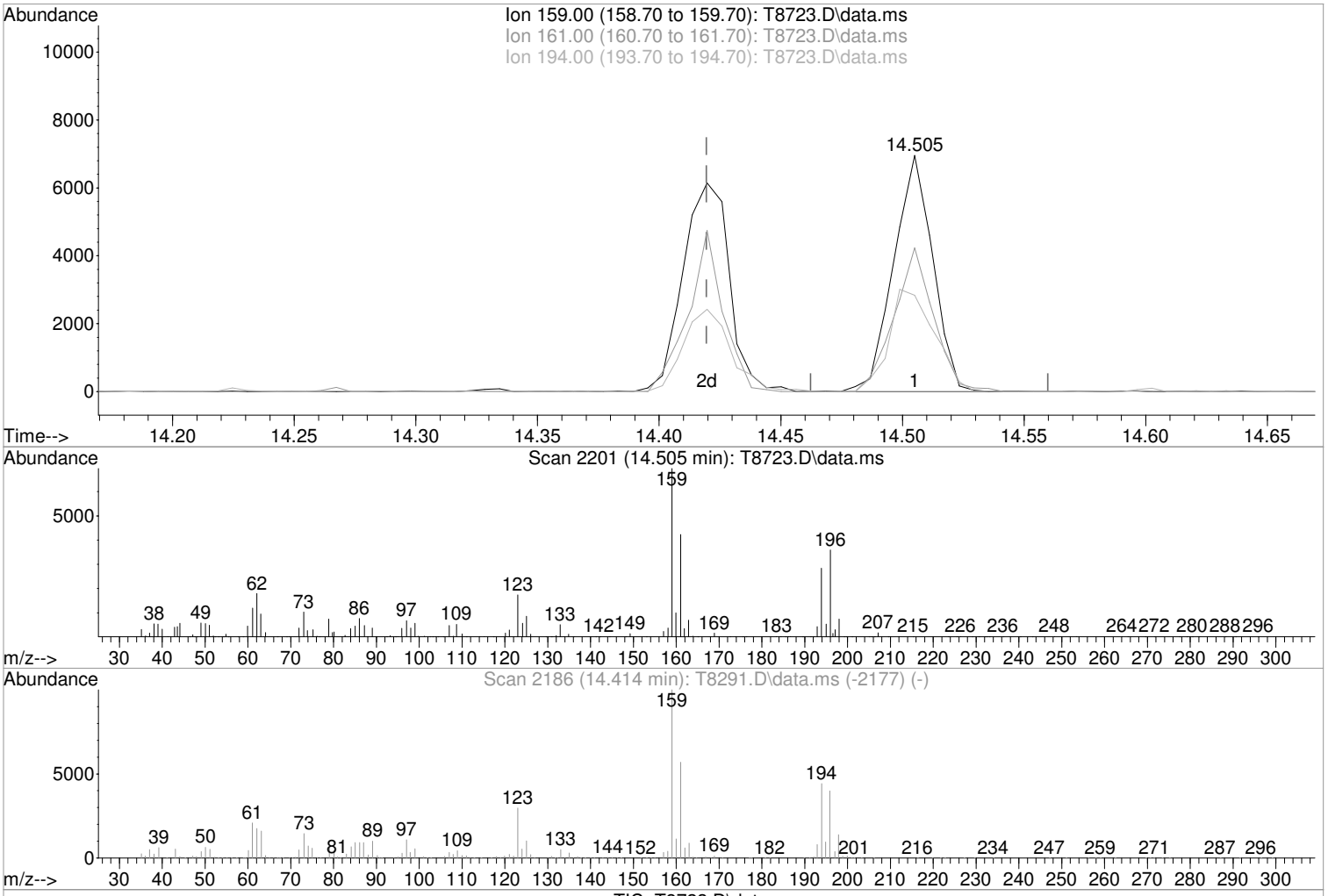
Wrong peak selected.

09/08/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



TIC: T8723.D\data.ms

(118) 2,4,5-Trichlorotoluene

14.505min (+0.085) 4.10 ug/L

response 7786

Ion	Exp%	Act%
159.00	100	100
161.00	56.90	60.91
194.00	44.20	40.76
0.00	0.00	0.00

Manual Integration:

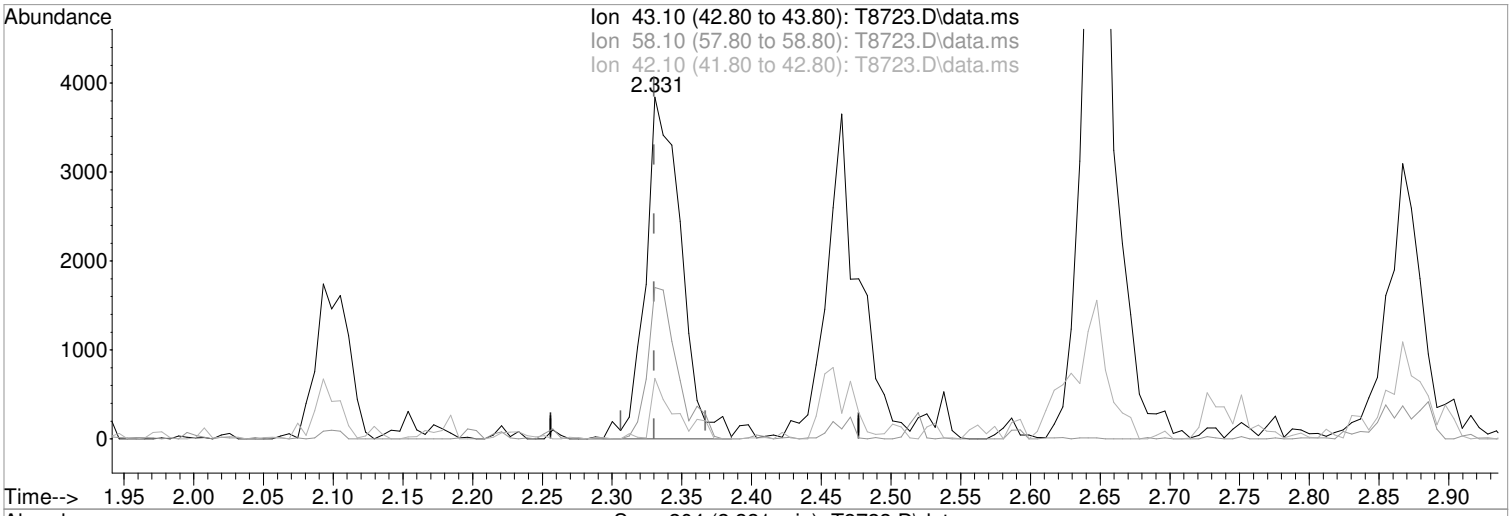
Before

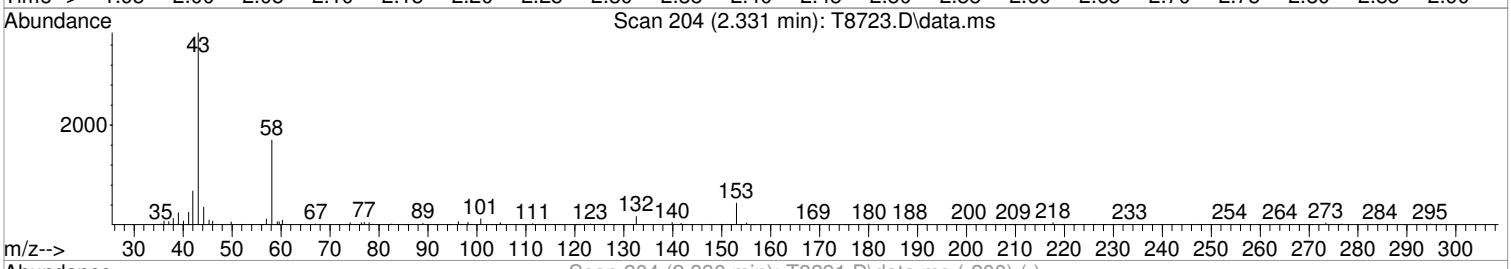
09/08/21

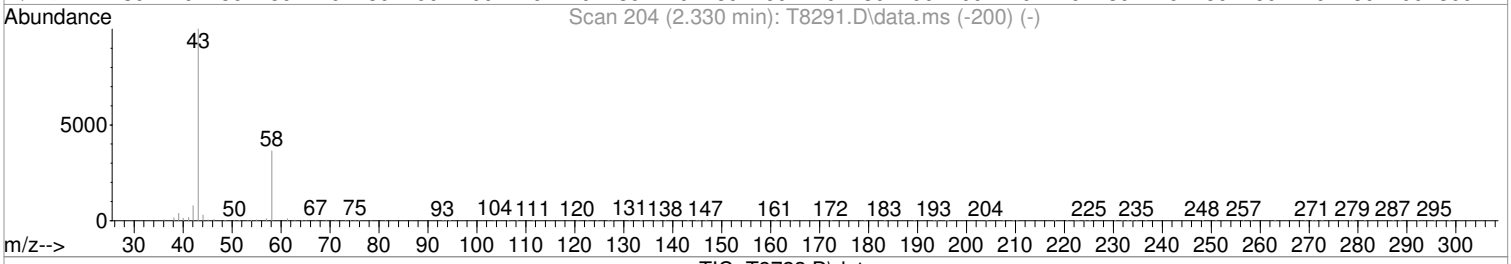
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(15) Acetone (P)

2.331min (+0.001) 4.71 ug/L m

response 6811

Ion	Exp%	Act%
43.10	100	100
58.10	36.30	44.25
42.10	8.20	17.69
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

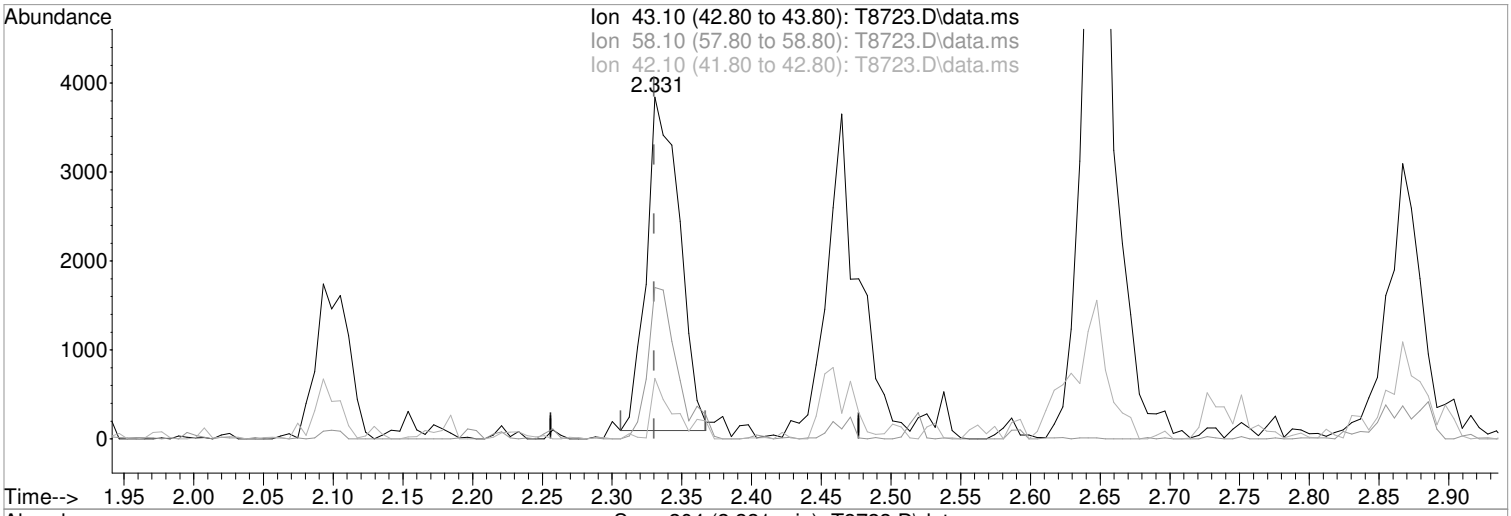
09/08/21

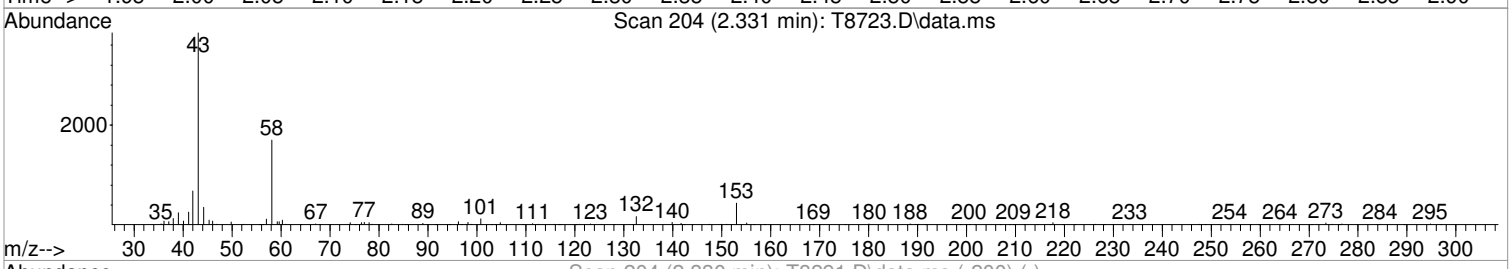
1st FN 09/08/21
2nd 09/08/21

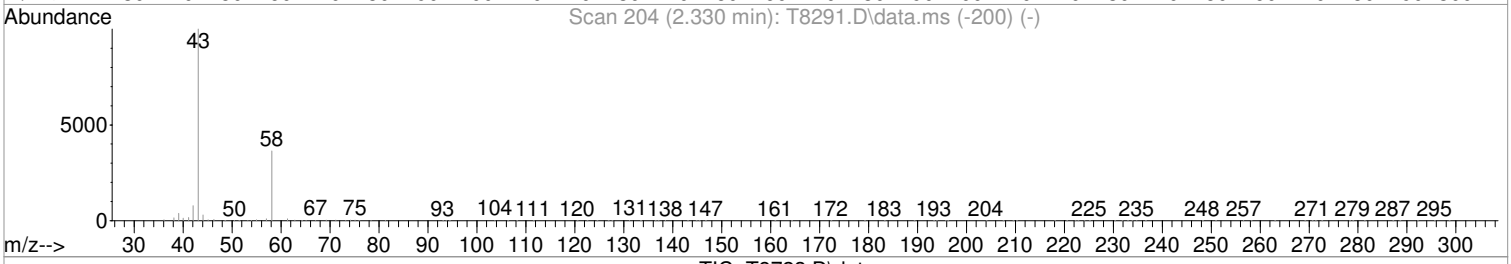
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(15) Acetone (P)

2.331min (+0.001) 4.27 ug/L

response 6183

Ion	Exp%	Act%
43.10	100	100
58.10	36.30	44.25
42.10	8.20	17.69
0.00	0.00	0.00

Manual Integration:

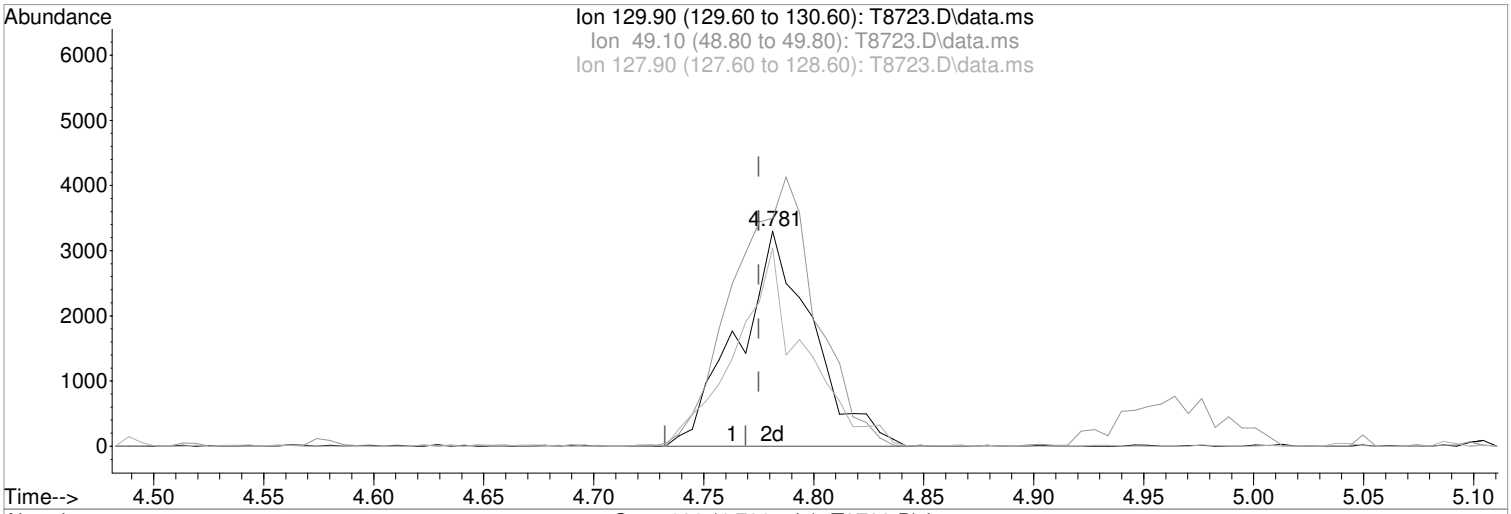
Before

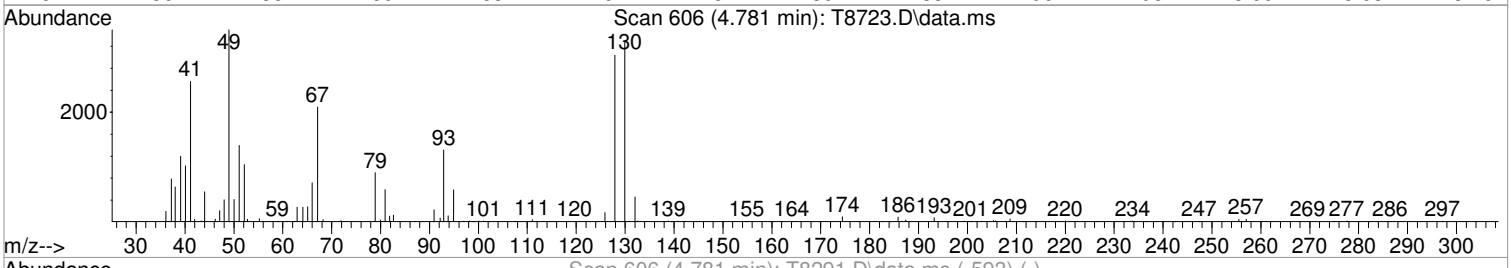
09/08/21

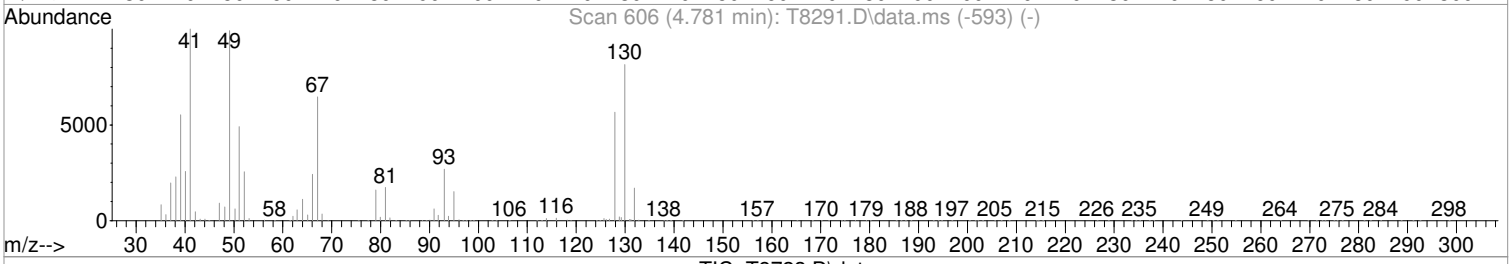
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(36) Bromochloromethane

4.781min (+0.006) 4.82 ug/L m

response 7796

Ion	Exp%	Act%
129.90	100	100
49.10	121.80	106.00
127.90	69.40	92.09#
0.00	0.00	0.00

Manual Integration:

After

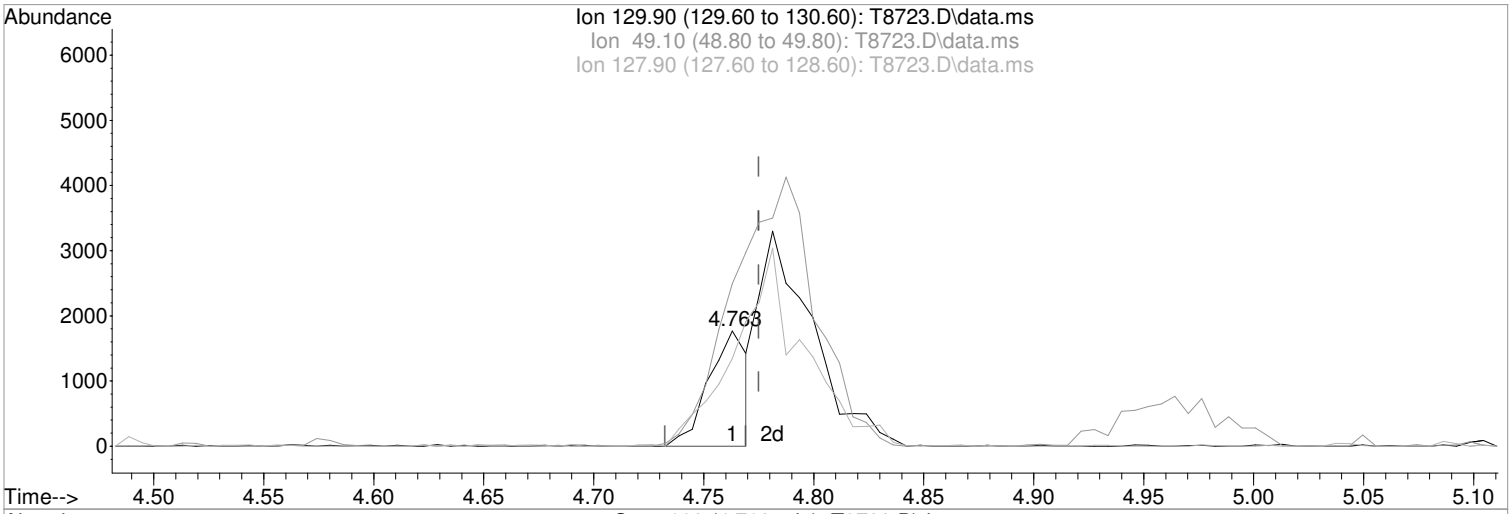
Poor integration.

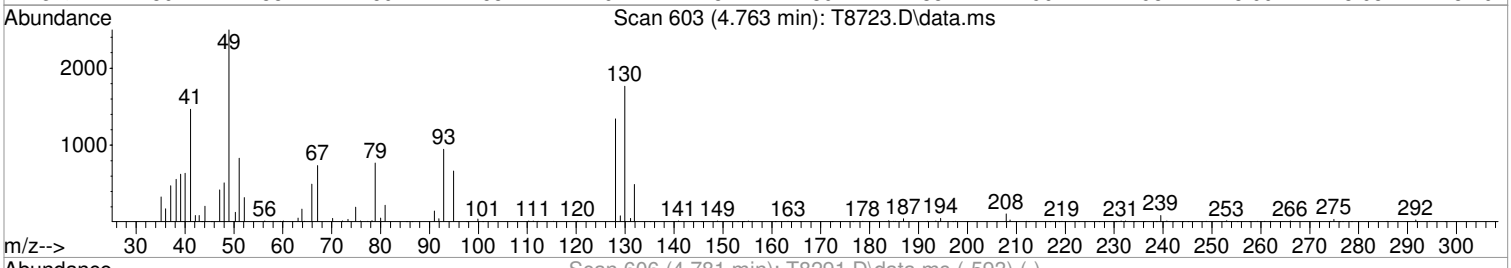
09/08/21

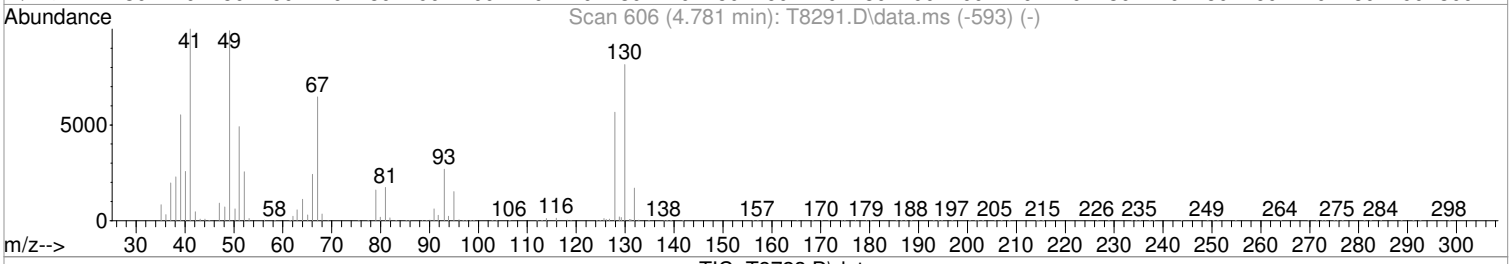
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(36) Bromochloromethane

4.763min (-0.012) 1.33 ug/L

response 2153

Ion	Exp%	Act%
129.90	100	100
49.10	121.80	141.34
127.90	69.40	76.05
0.00	0.00	0.00

Manual Integration:

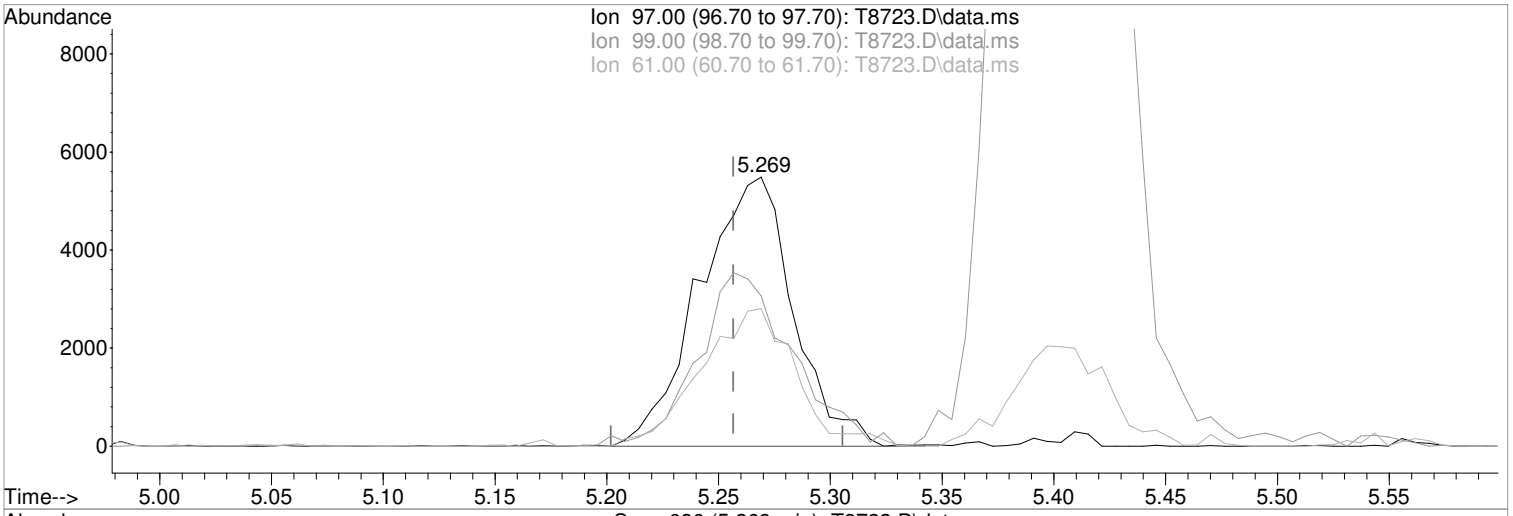
Before

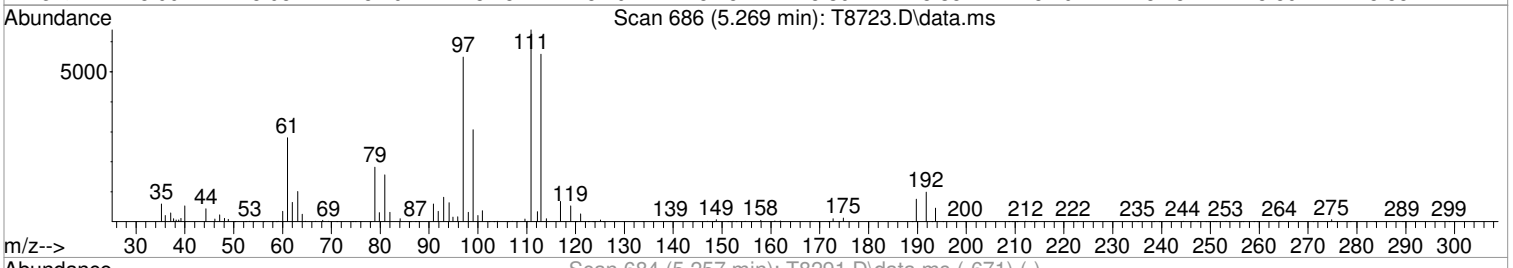
09/08/21

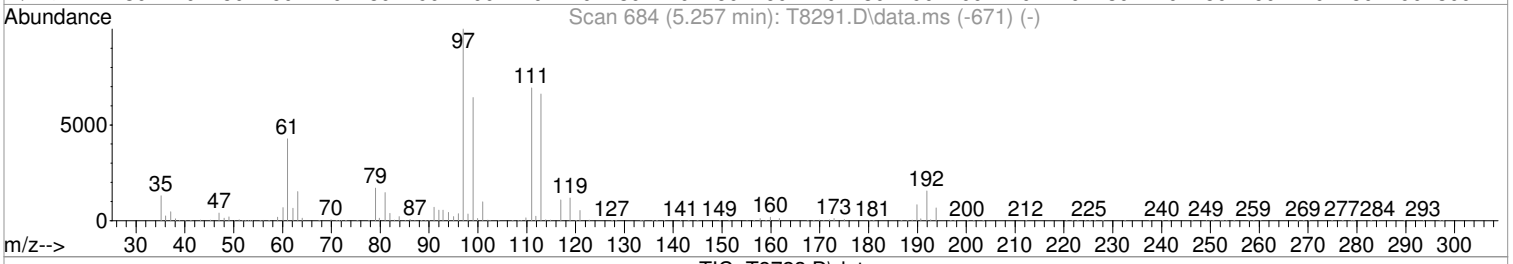
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

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

5.269min (+0.012) 5.05 ug/L m

response 16030

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	55.96
61.00	42.80	51.13
0.00	0.00	0.00

Manual Integration:

After

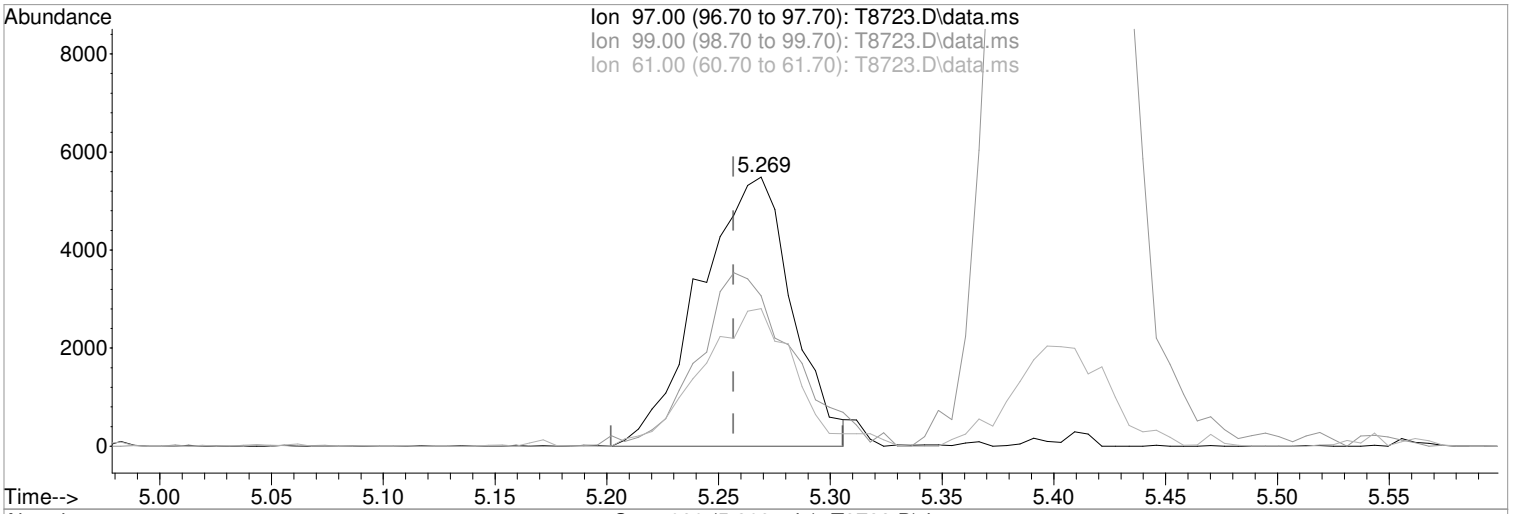
Poor integration.

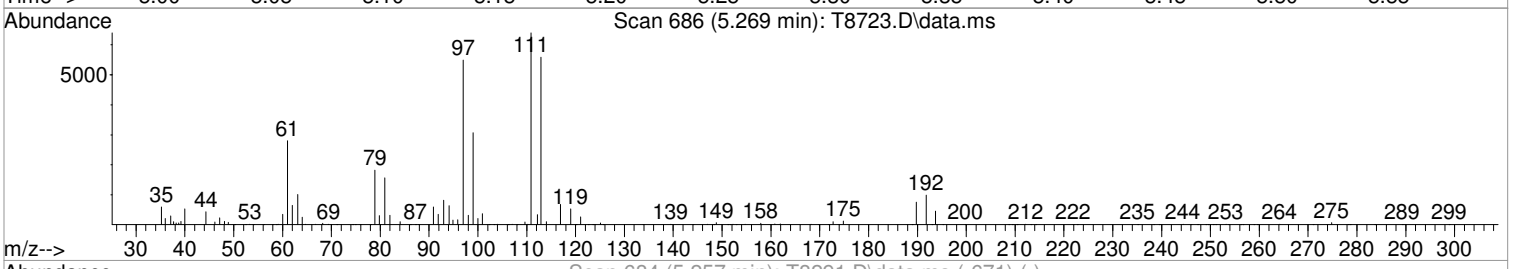
09/08/21

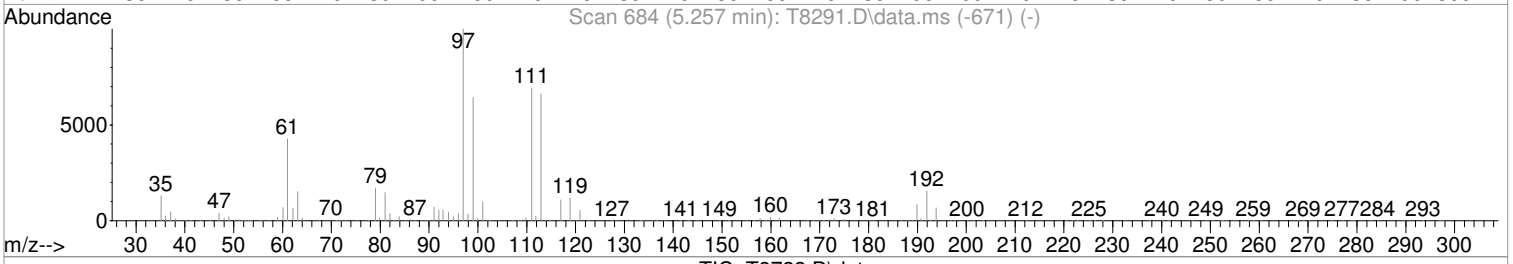
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

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

5.269min (+0.012) 4.97 ug/L

response 15756

Ion	Exp%	Act%
97.00	100	100
99.00	64.30	55.96
61.00	42.80	51.13
0.00	0.00	0.00

Manual Integration:

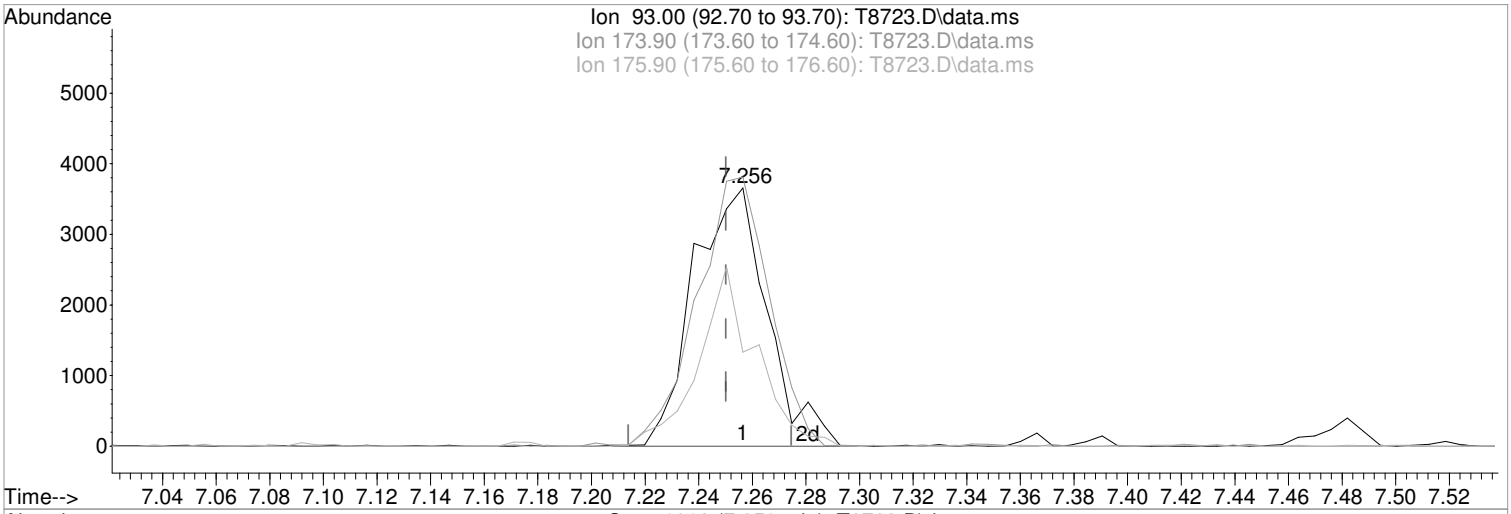
Before

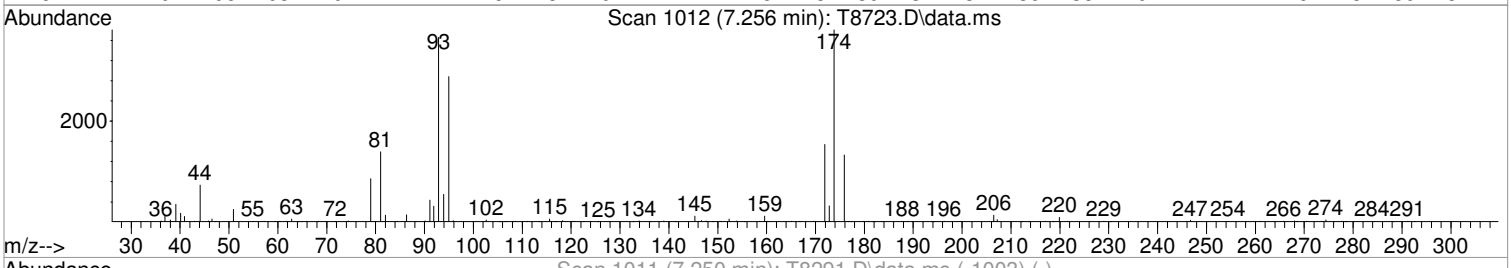
09/08/21

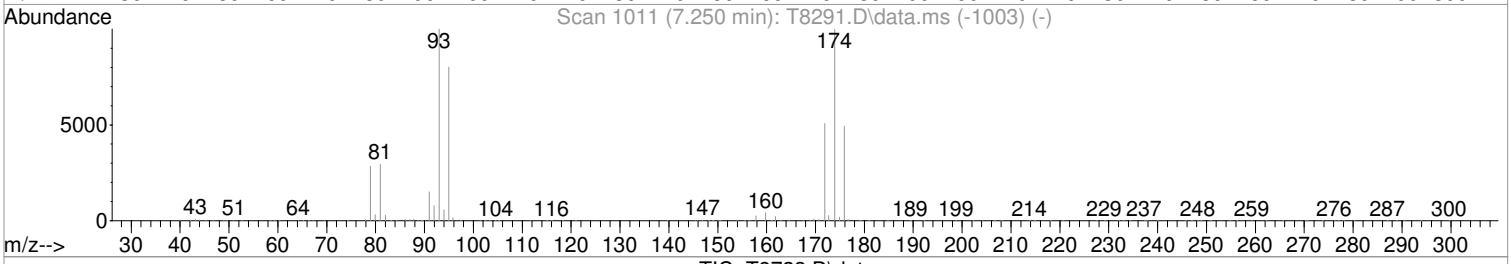
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(56) Dibromomethane

7.256min (+0.006) 3.96 ug/L m

response 6996

Ion	Exp%	Act%
93.00	100	100
173.90	99.70	104.21
175.90	49.30	36.39
0.00	0.00	0.00

Manual Integration:

After

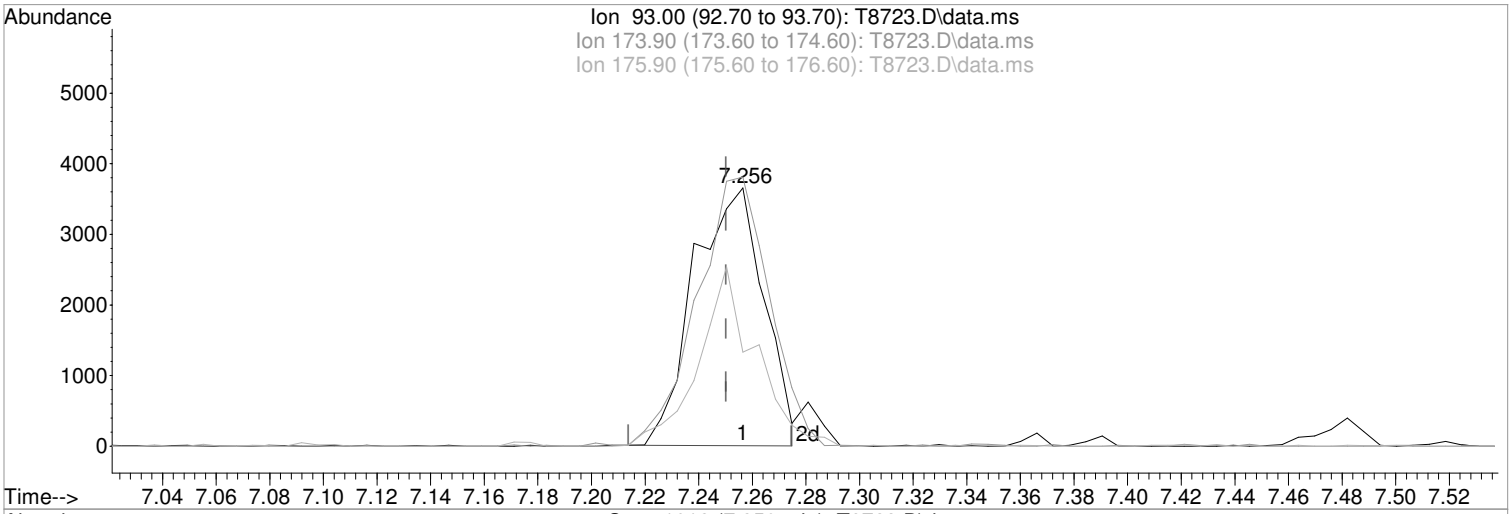
Poor integration.

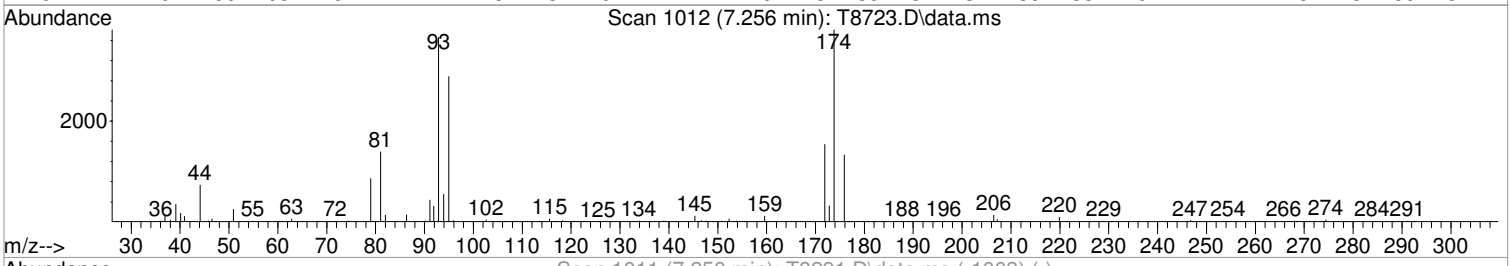
09/08/21

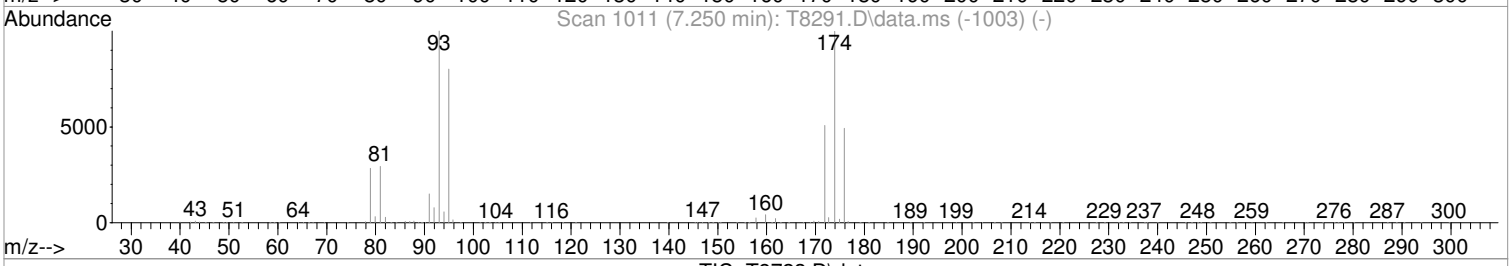
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:05:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration







TIC: T8723.D\data.ms

(56) Dibromomethane

7.256min (+0.006) 3.75 ug/L

response 6620

Ion	Exp%	Act%
93.00	100	100
173.90	99.70	104.21
175.90	49.30	36.66
0.00	0.00	0.00

Manual Integration:

Before

09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:26:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	237400	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	374568	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	340173	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	166871	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	21491	9.38	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 18.76%#				
46) surr1,1,2-dichloroetha...	5.793	65	30808	10.89	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.78%#				
64) SURR3,Toluene-d8	8.317	98	91496	10.33	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.66%#				
69) SURR2,BFB	10.884	95	29916	8.73	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 17.46%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	12727	5.06	ug/L		93
3) Chloromethane	1.288	50	14595	4.50	ug/L		94
4) Vinyl Chloride	1.361	62	16721	5.28	ug/L		90
5) Bromomethane	1.593	94	18971	4.94	ug/L		99
6) Chloroethane	1.666	64	10250	4.63	ug/L		93
7) Freon 21	1.818	67	30698	7.01	ug/L		95
8) Trichlorofluoromethane	1.867	101	22466	6.62	ug/L		95
9) Diethyl Ether	2.099	59	9744	4.36	ug/L		94
10) Freon 123a	2.105	67	14492	5.28	ug/L		97
11) Freon 123	2.160	83	15993	5.36	ug/L		90
12) Acrolein	2.203	56	12985	17.20	ug/L		82
13) 1,1-Diclethene	2.288	96	10601	5.33	ug/L	#	86
14) Freon 113	2.300	101	10397	5.12	ug/L		82
15) Acetone	2.331	43	6811m	4.71	ug/L		
16) 2-Propanol	2.465	45	22235	65.57	ug/L		77
17) Iodomethane	2.422	142	11009	3.42	ug/L		100
18) Carbon Disulfide	2.483	76	22359	3.72	ug/L		98
19) Acetonitrile	2.587	41	10332	18.32	ug/L		88
20) Allyl Chloride	2.623	76	5906	4.43	ug/L	#	94
21) Methyl Acetate	2.648	43	12815	4.15	ug/L		86
22) Methylene Chloride	2.745	84	12389	4.83	ug/L	#	84
23) TBA	2.873	59	33385	60.57	ug/L		99
24) Acrylonitrile	2.995	53	26607	18.36	ug/L		93
25) Methyl-t-Butyl Ether	3.044	73	36252	4.36	ug/L		87
26) trans-1,2-Dichloroethene	3.038	96	10430	4.71	ug/L		95
27) 1,1-Diclethane	3.538	63	22002	5.37	ug/L		95
28) Vinyl Acetate	3.635	86	2216	3.91	ug/L	#	67
29) DIPE	3.672	45	37384	4.74	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.660	53	14648	4.53	ug/L		75
31) ETBE	4.190	59	33637	4.70	ug/L		86
32) 2,2-Dichloropropane	4.367	77	16476	4.97	ug/L		92
33) cis-1,2-Dichloroethene	4.385	96	12902	5.20	ug/L		93
34) 2-Butanone	4.428	43	8200	3.92	ug/L		100
35) Propionitrile	4.519	54	11828	19.26	ug/L		94
36) Bromochloromethane	4.781	130	7796m	4.82	ug/L		
37) Methacrylonitrile	4.781	67	5887	4.12	ug/L	#	77
38) Tetrahydrofuran	4.879	42	4805	3.60	ug/L		98
39) Chloroform	4.970	83	21251	4.82	ug/L		92
40) 1,1,1-Trichloroethane	5.269	97	16030m	5.05	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:26:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	11234	4.47	ug/L		97
44) Carbontetrachloride	5.543	117	13796	5.04	ug/L	#	77
45) 1,1-Dichloropropene	5.556	75	14256	4.75	ug/L		93
47) Benzene	5.879	78	44554	4.71	ug/L		96
48) 1,2-Dichloroethane	5.909	62	16456	4.66	ug/L		93
49) Iso-Butyl Alcohol	5.891	43	12551	50.83	ug/L		90
50) TAME	6.116	73	32329	4.18	ug/L		92
51) n-Heptane	6.360	43	13556	4.62	ug/L		93
52) 1-Butanol	6.860	56	17757	117.75	ug/L		84
53) Trichloroethene	6.824	130	11989	4.74	ug/L		96
54) Methylcyclohexane	7.061	55	14158	5.04	ug/L		90
55) 1,2-Diclpropane	7.104	63	12535	4.67	ug/L		97
56) Dibromomethane	7.256	93	6996m	3.96	ug/L		
57) 1,4-Dioxane	7.311	88	4304	70.05	ug/L		80
58) Methyl Methacrylate	7.336	69	9037	3.80	ug/L		96
59) Bromodichloromethane	7.476	83	13352	4.02	ug/L		98
60) 2-Nitropropane	7.756	41	6003	5.77	ug/L		98
61) 2-Chloroethylvinyl Ether	7.884	63	7906	4.78	ug/L		92
62) cis-1,3-Dichloropropene	8.018	75	15811	4.05	ug/L		97
63) 4-Methyl-2-pentanone	8.226	43	13947	3.63	ug/L		86
65) Toluene	8.390	91	48237	4.84	ug/L		94
66) trans-1,3-Dichloropropene	8.665	75	13499	3.64	ug/L		78
67) Ethyl Methacrylate	8.805	69	15806	3.85	ug/L		93
68) 1,1,2-Trichloroethane	8.854	97	11163	4.70	ug/L	#	87
71) Tetrachloroethene	8.988	164	8840	4.92	ug/L		94
72) 2-Hexanone	9.146	43	8870	3.07	ug/L		96
73) 1,3-Dichloropropane	9.018	76	18734	4.68	ug/L		88
74) Dibromochloromethane	9.250	129	9789	4.27	ug/L	#	80
75) N-Butyl Acetate	9.299	43	21193	3.83	ug/L		95
76) 1,2-Dibromoethane	9.341	107	10846	4.31	ug/L		93
77) 3-Chlorobenzotrifluoride	9.853	180	15059	4.64	ug/L		93
78) Chlorobenzene	9.835	112	28129	4.46	ug/L		89
79) 4-Chlorobenzotrifluoride	9.914	180	12934	4.42	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.921	131	9670	4.39	ug/L		92
81) Ethylbenzene	9.951	106	16925	5.19	ug/L	#	85
82) (m+p)Xylene	10.067	106	37727	9.15	ug/L		95
83) o-Xylene	10.427	106	18437	4.52	ug/L		97
84) Styrene	10.439	104	32092	4.52	ug/L		92
85) Bromoform	10.591	173	5980	3.27	ug/L		81
86) 2-Chlorobenzotrifluoride	10.677	180	14775	4.50	ug/L		90
87) Isopropylbenzene	10.762	105	43634	4.55	ug/L		99
88) Cyclohexanone	10.823	55	39176	61.47	ug/L		89
89) trans-1,4-Dichloro-2-B...	11.067	53	3183	3.43	ug/L	#	74
91) 1,1,2,2-Tetrachloroethane	11.018	83	13296	4.25	ug/L		90
92) Bromobenzene	11.012	156	11942	4.62	ug/L		97
93) 1,2,3-Trichloropropane	11.048	110	3921	3.73	ug/L	#	71
94) n-Propylbenzene	11.115	91	57579	5.49	ug/L		96
95) 2-Chlorotoluene	11.182	91	33259	4.97	ug/L		92
96) 3-Chlorotoluene	11.231	91	32604	5.11	ug/L		100
97) 4-Chlorotoluene	11.274	91	38128	5.28	ug/L		84
98) 1,3,5-Trimethylbenzene	11.268	105	39722	5.24	ug/L		97
99) tert-Butylbenzene	11.542	119	33076	5.15	ug/L		97
100) 1,2,4-Trimethylbenzene	11.579	105	39744	5.30	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	10351	4.53	ug/L		94
102) sec-Butylbenzene	11.725	105	48626	5.34	ug/L		99
103) p-Isopropyltoluene	11.847	119	39182	4.94	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:26:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

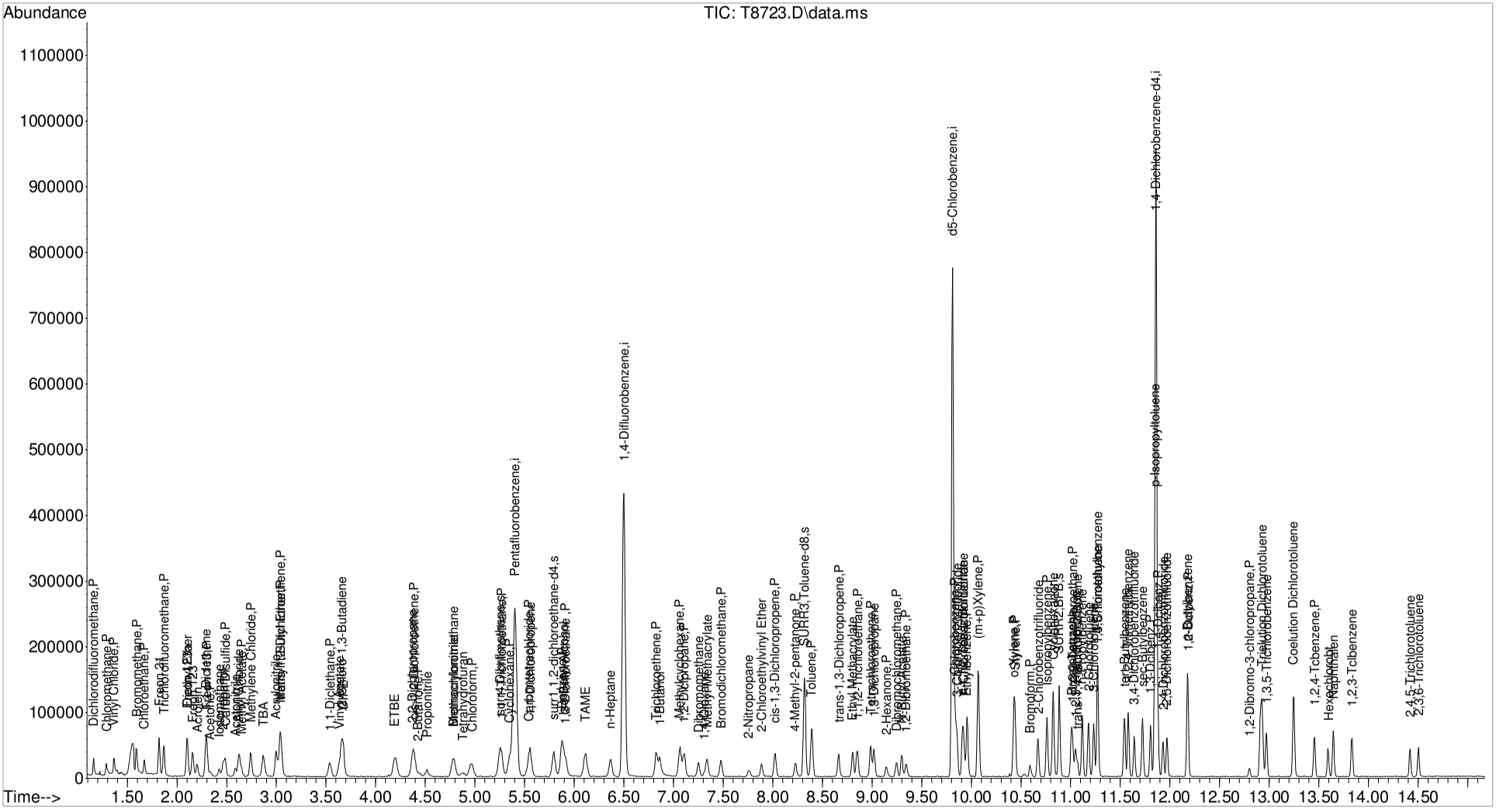
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	22929	4.98	ug/L		91
105) 1,4-Dclbenz	11.877	146	25442	5.19	ug/L		97
106) 2,4-Dichlorobenzotrifl...	11.932	214	9800	4.63	ug/L		96
107) 2,5-Dichlorobenzotrifl...	11.969	214	10958	4.58	ug/L		98
108) n-Butylbenzene	12.176	91	39136	5.25	ug/L		89
109) 1,2-Dclbenz	12.182	146	23332	4.98	ug/L		92
110) 1,2-Dibromo-3-chloropr...	12.804	157	2225	3.06	ug/L	#	78
111) Trielution Dichlorotol...	12.926	125	53208	14.90	ug/L		98
112) 1,3,5-Trichlorobenzene	12.975	180	16317	4.94	ug/L		87
113) Coelution Dichlorotoluene	13.243	125	38421	9.66	ug/L		98
114) 1,2,4-Tcbenzene	13.456	180	13106	4.38	ug/L		92
115) Hexachlorobt	13.597	225	4662	3.81	ug/L		99
116) Naphthalen	13.645	128	40470	4.42	ug/L		93
117) 1,2,3-Tclbenzene	13.834	180	13486	4.50	ug/L		95
118) 2,4,5-Trichlorotoluene	14.420	159	8133m	4.28	ug/L		
119) 2,3,6-Trichlorotoluene	14.505	159	7786	4.62	ug/L		96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8723.D
Acq On : 2 Sep 2021 12:12 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 09:26:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st FJ 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8724.D
Acq On : 2 Sep 2021 12:34 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 09:05:30 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	248135	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	388119	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	344324	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	180284	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	38712	16.31	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 32.62%#				
46) surr1,1,2-dichloroetha...	5.793	65	50156	17.11	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 34.22%#				
64) SURR3,Toluene-d8	8.317	98	152955	16.67	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 33.34%#				
69) SURR2,BFB	10.884	95	51953	14.63	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 29.26%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	57930	22.02	ug/L		96
3) Chloromethane	1.288	50	64630	19.05	ug/L		92
4) Vinyl Chloride	1.361	62	67672	20.43	ug/L		97
5) Bromomethane	1.593	94	74294	18.52	ug/L		99
6) Chloroethane	1.672	64	43993	19.03	ug/L		94
7) Freon 21	1.818	67	103606	22.62	ug/L		98
8) Trichlorofluoromethane	1.867	101	71330	20.10	ug/L		97
9) Diethyl Ether	2.099	59	42946	18.40	ug/L		94
10) Freon 123a	2.105	67	48929	17.04	ug/L		89
11) Freon 123	2.154	83	57220	18.34	ug/L		96
12) Acrolein	2.196	56	49182	62.31	ug/L		99
13) 1,1-Diclethene	2.294	96	43065	20.72	ug/L		95
14) Freon 113	2.300	101	39006	18.38	ug/L		81
15) Acetone	2.331	43	23196	15.33	ug/L		82
16) 2-Propanol	2.465	45	90507	255.37	ug/L		98
17) Iodomethane	2.422	142	55683	16.53	ug/L		97
18) Carbon Disulfide	2.483	76	94603	15.08	ug/L		100
19) Acetonitrile	2.581	41	41764	70.84	ug/L		93
20) Allyl Chloride	2.623	76	25206	18.09	ug/L	#	84
21) Methyl Acetate	2.648	43	50005	15.49	ug/L		98
22) Methylene Chloride	2.745	84	50672	18.91	ug/L	#	87
23) TBA	2.861	59	154128	267.51	ug/L		95
24) Acrylonitrile	2.995	53	122099	80.62	ug/L		99
25) Methyl-t-Butyl Ether	3.044	73	159906	18.38	ug/L		100
26) trans-1,2-Dichloroethene	3.038	96	45278	19.56	ug/L		97
27) 1,1-Diclethane	3.538	63	87540	20.44	ug/L		98
28) Vinyl Acetate	3.635	86	10641	17.95	ug/L	#	47
29) DIPE	3.666	45	146334	17.76	ug/L		94
30) 2-Chloro-1,3-Butadiene	3.660	53	64192	18.99	ug/L		93
31) ETBE	4.190	59	133488	17.86	ug/L		97
32) 2,2-Dichloropropane	4.373	77	64770	18.68	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	51804	19.99	ug/L		93
34) 2-Butanone	4.428	43	33083	15.15	ug/L		95
35) Propionitrile	4.507	54	48360	75.33	ug/L		91
36) Bromochloromethane	4.781	130	33055	19.55	ug/L		95
37) Methacrylonitrile	4.775	67	25574	17.12	ug/L		87
38) Tetrahydrofuran	4.867	42	20222	14.49	ug/L		96
39) Chloroform	4.964	83	89035	19.34	ug/L		99
40) 1,1,1-Trichloroethane	5.263	97	67419	20.33	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8724.D
Acq On : 2 Sep 2021 12:34 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 09:05:30 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	42276	16.24	ug/L		95
44) Carbontetrachloride	5.537	117	52399	18.48	ug/L	#	83
45) 1,1-Dichloropropene	5.556	75	60245	19.38	ug/L		97
47) Benzene	5.879	78	194608	19.86	ug/L		98
48) 1,2-Dichloroethane	5.909	62	71755	19.60	ug/L		94
49) Iso-Butyl Alcohol	5.885	43	67172	262.55	ug/L		91
50) TAME	6.110	73	132340	16.52	ug/L		95
51) n-Heptane	6.366	43	51751	17.04	ug/L		96
52) 1-Butanol	6.854	56	80277	513.77	ug/L		89
53) Trichloroethene	6.830	130	48104	18.37	ug/L		98
54) Methylcyclohexane	7.061	55	48831	16.77	ug/L		96
55) 1,2-Diclpropane	7.104	63	48944	17.60	ug/L		98
56) Dibromomethane	7.250	93	31800	17.38	ug/L		97
57) 1,4-Dioxane	7.311	88	17039	267.64	ug/L		84
58) Methyl Methacrylate	7.336	69	37380	15.17	ug/L		92
59) Bromodichloromethane	7.476	83	60010	17.45	ug/L		96
60) 2-Nitropropane	7.762	41	27600	25.60	ug/L		86
61) 2-Chloroethylvinyl Ether	7.884	63	30279	17.67	ug/L		92
62) cis-1,3-Dichloropropene	8.018	75	71477	17.67	ug/L		100
63) 4-Methyl-2-pentanone	8.226	43	61160	15.36	ug/L		92
65) Toluene	8.390	91	202386	19.60	ug/L		98
66) trans-1,3-Dichloropropene	8.665	75	65852	17.14	ug/L		94
67) Ethyl Methacrylate	8.805	69	68604	16.12	ug/L		97
68) 1,1,2-Trichloroethane	8.848	97	42704	17.35	ug/L		91
71) Tetrachloroethene	8.982	164	32350	17.79	ug/L		97
72) 2-Hexanone	9.140	43	42115	14.41	ug/L		94
73) 1,3-Dichloropropane	9.018	76	79724	19.66	ug/L		96
74) Dibromochloromethane	9.244	129	41555	17.92	ug/L		96
75) N-Butyl Acetate	9.299	43	89756	16.01	ug/L		97
76) 1,2-Dibromoethane	9.341	107	46845	18.40	ug/L		97
77) 3-Chlorobenzotrifluoride	9.860	180	52615	16.02	ug/L		97
78) Chlorobenzene	9.835	112	128308	20.11	ug/L		95
79) 4-Chlorobenzotrifluoride	9.908	180	48980	16.53	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.927	131	41026	18.42	ug/L		94
81) Ethylbenzene	9.957	106	65452	19.83	ug/L	#	82
82) (m+p)Xylene	10.067	106	164327	39.36	ug/L		98
83) o-Xylene	10.427	106	83716	20.29	ug/L		99
84) Styrene	10.439	104	141625	19.70	ug/L		95
85) Bromoform	10.591	173	25193	13.62	ug/L		90
86) 2-Chlorobenzotrifluoride	10.670	180	54633	16.43	ug/L		97
87) Isopropylbenzene	10.762	105	198386	20.42	ug/L		100
88) Cyclohexanone	10.823	55	185226	287.14	ug/L		94
89) trans-1,4-Dichloro-2-B...	11.067	53	14943	15.92	ug/L		82
91) 1,1,2,2-Tetrachloroethane	11.018	83	64503	19.10	ug/L		97
92) Bromobenzene	11.006	156	55325	19.82	ug/L		92
93) 1,2,3-Trichloropropane	11.048	110	20101	17.68	ug/L		91
94) n-Propylbenzene	11.115	91	241083	21.26	ug/L		98
95) 2-Chlorotoluene	11.182	91	145025	20.07	ug/L		96
96) 3-Chlorotoluene	11.231	91	133542	19.36	ug/L		99
97) 4-Chlorotoluene	11.274	91	167265	21.46	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	179573	21.94	ug/L		96
99) tert-Butylbenzene	11.542	119	144564	20.83	ug/L		96
100) 1,2,4-Trimethylbenzene	11.579	105	175293	21.64	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.640	214	41502	16.82	ug/L		91
102) sec-Butylbenzene	11.725	105	208664	21.20	ug/L		98
103) p-Isopropyltoluene	11.847	119	181009	21.13	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8724.D
Acq On : 2 Sep 2021 12:34 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 09:05:30 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

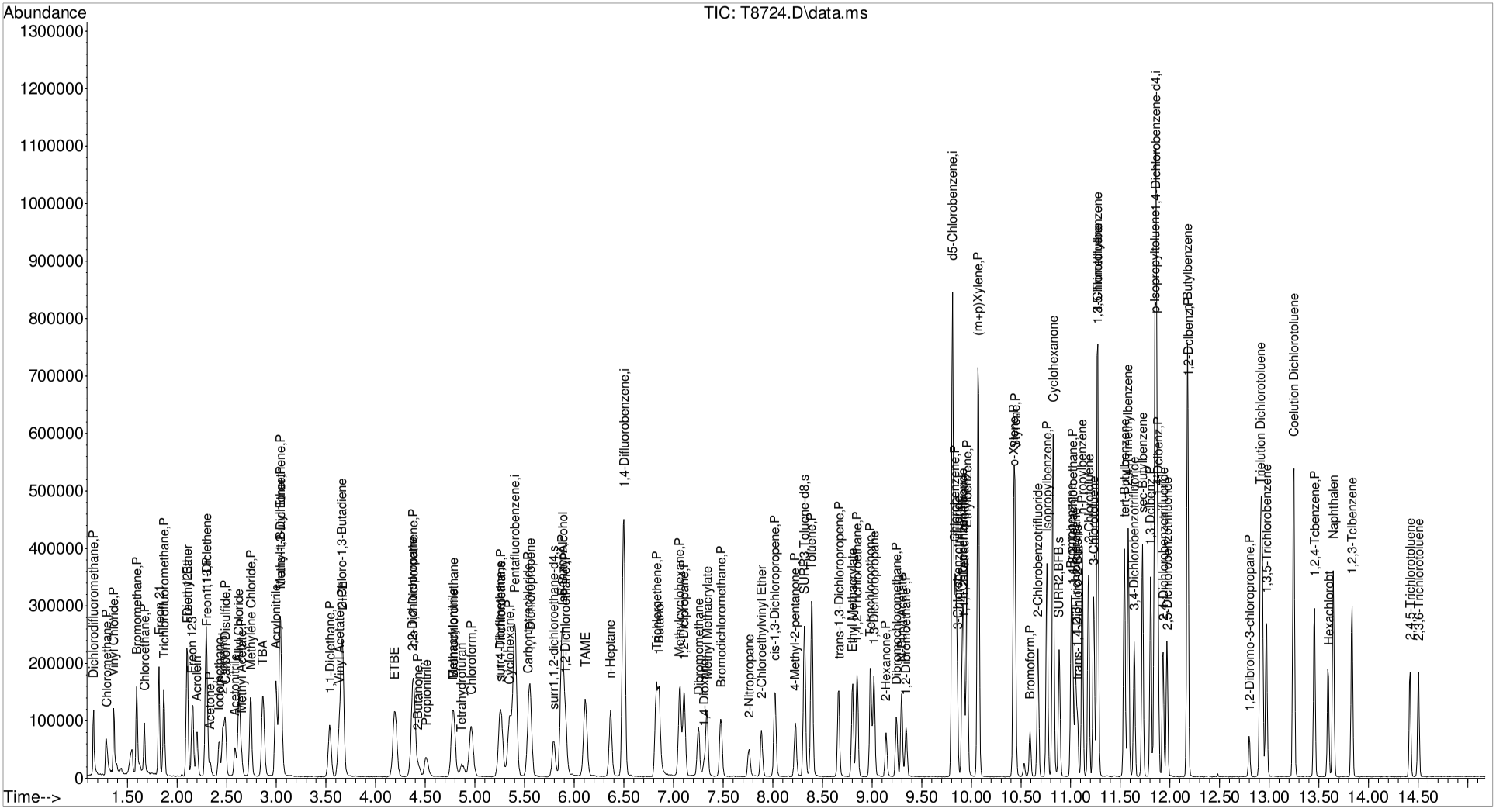
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	102717	20.67	ug/L	95
105) 1,4-Dclbenz	11.878	146	106780	20.17	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.932	214	38198	16.69	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.975	214	41963	16.22	ug/L	94
108) n-Butylbenzene	12.176	91	171455	21.28	ug/L	97
109) 1,2-Dclbenz	12.182	146	101523	20.05	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.804	157	11133	14.19	ug/L	84
111) Trielution Dichlorotol...	12.914	125	219101	56.81	ug/L	89
112) 1,3,5-Trichlorobenzene	12.975	180	62882	17.62	ug/L	95
113) Coelution Dichlorotoluene	13.249	125	162356	37.80	ug/L	97
114) 1,2,4-Tcbenzene	13.456	180	64702	20.01	ug/L	96
115) Hexachlorobt	13.597	225	21842	16.53	ug/L	91
116) Naphthalen	13.645	128	204964	20.72	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	63706	19.67	ug/L	92
118) 2,4,5-Trichlorotoluene	14.420	159	36333	17.70	ug/L	96
119) 2,3,6-Trichlorotoluene	14.505	159	31864	17.52	ug/L	92

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8724.D
Acq On : 2 Sep 2021 12:34 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 09:05:30 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8725.D
Acq On : 2 Sep 2021 12:56 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 09:05:43 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	258668	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	404145	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	378521	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	204106	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	115952	46.91	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 93.82%				
46) surr1,1,2-dichloroetha...	5.793	65	143469	46.99	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 93.98%				
64) SURR3,Toluene-d8	8.317	98	465197	48.69	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.38%				
69) SURR2,BFB	10.884	95	167208	45.21	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	124393	45.35	ug/L		98
3) Chloromethane	1.288	50	135477	38.31	ug/L		99
4) Vinyl Chloride	1.361	62	149555	43.32	ug/L		98
5) Bromomethane	1.587	94	156916	37.52	ug/L		99
6) Chloroethane	1.666	64	95489	39.61	ug/L		92
7) Freon 21	1.818	67	218021	45.67	ug/L		96
8) Trichlorofluoromethane	1.867	101	147358	39.83	ug/L		94
9) Diethyl Ether	2.099	59	106947	43.95	ug/L		93
10) Freon 123a	2.105	67	113602	37.96	ug/L		98
11) Freon 123	2.154	83	126443	38.88	ug/L		99
12) Acrolein	2.203	56	128692	156.42	ug/L		97
13) 1,1-Diclethene	2.294	96	88443	40.81	ug/L		95
14) Freon 113	2.300	101	82381	37.25	ug/L		86
15) Acetone	2.331	43	53158	33.70	ug/L		84
16) 2-Propanol	2.465	45	243632	659.43	ug/L		95
17) Iodomethane	2.422	142	133020	37.88	ug/L		98
18) Carbon Disulfide	2.483	76	208548	31.88	ug/L		100
19) Acetonitrile	2.587	41	123344	200.69	ug/L		94
20) Allyl Chloride	2.623	76	57373	39.50	ug/L	#	91
21) Methyl Acetate	2.648	43	132691	39.44	ug/L		95
22) Methylene Chloride	2.745	84	116418	41.68	ug/L		93
23) TBA	2.867	59	388204	646.36	ug/L		93
24) Acrylonitrile	2.995	53	306093	193.87	ug/L		95
25) Methyl-t-Butyl Ether	3.044	73	404477	44.60	ug/L		97
26) trans-1,2-Dichloroethene	3.038	96	103622	42.94	ug/L		98
27) 1,1-Diclethane	3.538	63	199666	44.73	ug/L		97
28) Vinyl Acetate	3.629	86	25153	40.70	ug/L		99
29) DIPE	3.666	45	384650	44.79	ug/L		94
30) 2-Chloro-1,3-Butadiene	3.666	53	140495	39.87	ug/L		99
31) ETBE	4.196	59	352042	45.17	ug/L		98
32) 2,2-Dichloropropane	4.379	77	143363	39.66	ug/L		98
33) cis-1,2-Dichloroethene	4.379	96	119485	44.24	ug/L		93
34) 2-Butanone	4.428	43	82630	36.29	ug/L		95
35) Propionitrile	4.513	54	123086	183.92	ug/L		98
36) Bromochloromethane	4.775	130	80347	45.57	ug/L	#	84
37) Methacrylonitrile	4.775	67	66137	42.47	ug/L	#	75
38) Tetrahydrofuran	4.873	42	48903	33.60	ug/L		93
39) Chloroform	4.964	83	205462	42.81	ug/L		96
40) 1,1,1-Trichloroethane	5.269	97	149954	43.38	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8725.D
Acq On : 2 Sep 2021 12:56 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 09:05:43 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.360	41	97680	36.04	ug/L	99
44) Carbontetrachloride	5.543	117	116657	39.51	ug/L	94
45) 1,1-Dichloropropene	5.562	75	127507	39.39	ug/L	96
47) Benzene	5.873	78	449074	44.01	ug/L	98
48) 1,2-Dichloroethane	5.915	62	180440	47.34	ug/L	98
49) Iso-Butyl Alcohol	5.885	43	168007	630.65	ug/L	87
50) TAME	6.110	73	348881	41.83	ug/L	97
51) n-Heptane	6.366	43	112364	35.53	ug/L	95
52) 1-Butanol	6.854	56	242166	1488.38	ug/L	100
53) Trichloroethene	6.824	130	107072	39.27	ug/L	97
54) Methylcyclohexane	7.061	55	111814	36.88	ug/L	93
55) 1,2-Diclpropane	7.110	63	121486	41.95	ug/L	98
56) Dibromomethane	7.250	93	79468	41.70	ug/L	97
57) 1,4-Dioxane	7.311	88	46049	694.64	ug/L	88
58) Methyl Methacrylate	7.336	69	108475	42.26	ug/L	97
59) Bromodichloromethane	7.476	83	156887	43.82	ug/L	97
60) 2-Nitropropane	7.762	41	79221	70.56	ug/L	95
61) 2-Chloroethylvinyl Ether	7.884	63	87650	49.13	ug/L	100
62) cis-1,3-Dichloropropene	8.018	75	183918	43.67	ug/L	96
63) 4-Methyl-2-pentanone	8.226	43	163411	39.41	ug/L	93
65) Toluene	8.390	91	467438	43.47	ug/L	99
66) trans-1,3-Dichloropropene	8.659	75	176575	44.15	ug/L	97
67) Ethyl Methacrylate	8.805	69	187490	42.30	ug/L	94
68) 1,1,2-Trichloroethane	8.848	97	117803	45.97	ug/L	91
71) Tetrachloroethene	8.988	164	72217	36.12	ug/L	96
72) 2-Hexanone	9.140	43	122076	37.99	ug/L	94
73) 1,3-Dichloropropane	9.018	76	203888	45.73	ug/L	97
74) Dibromochloromethane	9.250	129	113277	44.43	ug/L	90
75) N-Butyl Acetate	9.299	43	248722	40.37	ug/L	96
76) 1,2-Dibromoethane	9.341	107	125199	44.74	ug/L	96
77) 3-Chlorobenzotrifluoride	9.853	180	141989	39.33	ug/L	97
78) Chlorobenzene	9.835	112	302071	43.07	ug/L	95
79) 4-Chlorobenzotrifluoride	9.908	180	123674	37.96	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.927	131	107735	44.00	ug/L	95
81) Ethylbenzene	9.957	106	157810	43.49	ug/L	95
82) (m+p)Xylene	10.067	106	389799	84.93	ug/L	99
83) o-Xylene	10.427	106	194824	42.95	ug/L	90
84) Styrene	10.439	104	355315	44.95	ug/L	97
85) Bromoform	10.591	173	78753	38.72	ug/L	91
86) 2-Chlorobenzotrifluoride	10.670	180	143459	39.25	ug/L	99
87) Isopropylbenzene	10.762	105	439997	41.20	ug/L	98
88) Cyclohexanone	10.823	55	503178	709.56	ug/L	95
89) trans-1,4-Dichloro-2-B...	11.067	53	41963	40.67	ug/L	89
91) 1,1,2,2-Tetrachloroethane	11.018	83	178695	46.73	ug/L	94
92) Bromobenzene	11.006	156	137237	43.42	ug/L	94
93) 1,2,3-Trichloropropane	11.048	110	55134	42.82	ug/L	93
94) n-Propylbenzene	11.115	91	578889	45.10	ug/L	99
95) 2-Chlorotoluene	11.182	91	364419	44.55	ug/L	98
96) 3-Chlorotoluene	11.231	91	377872	48.38	ug/L	96
97) 4-Chlorotoluene	11.274	91	414030	46.91	ug/L	99
98) 1,3,5-Trimethylbenzene	11.268	105	437652	47.24	ug/L	96
99) tert-Butylbenzene	11.542	119	335965	42.75	ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	439778	47.96	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.640	214	108155	38.72	ug/L	95
102) sec-Butylbenzene	11.725	105	496774	44.58	ug/L	99
103) p-Isopropyltoluene	11.847	119	439682	45.33	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8725.D
Acq On : 2 Sep 2021 12:56 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 09:05:43 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

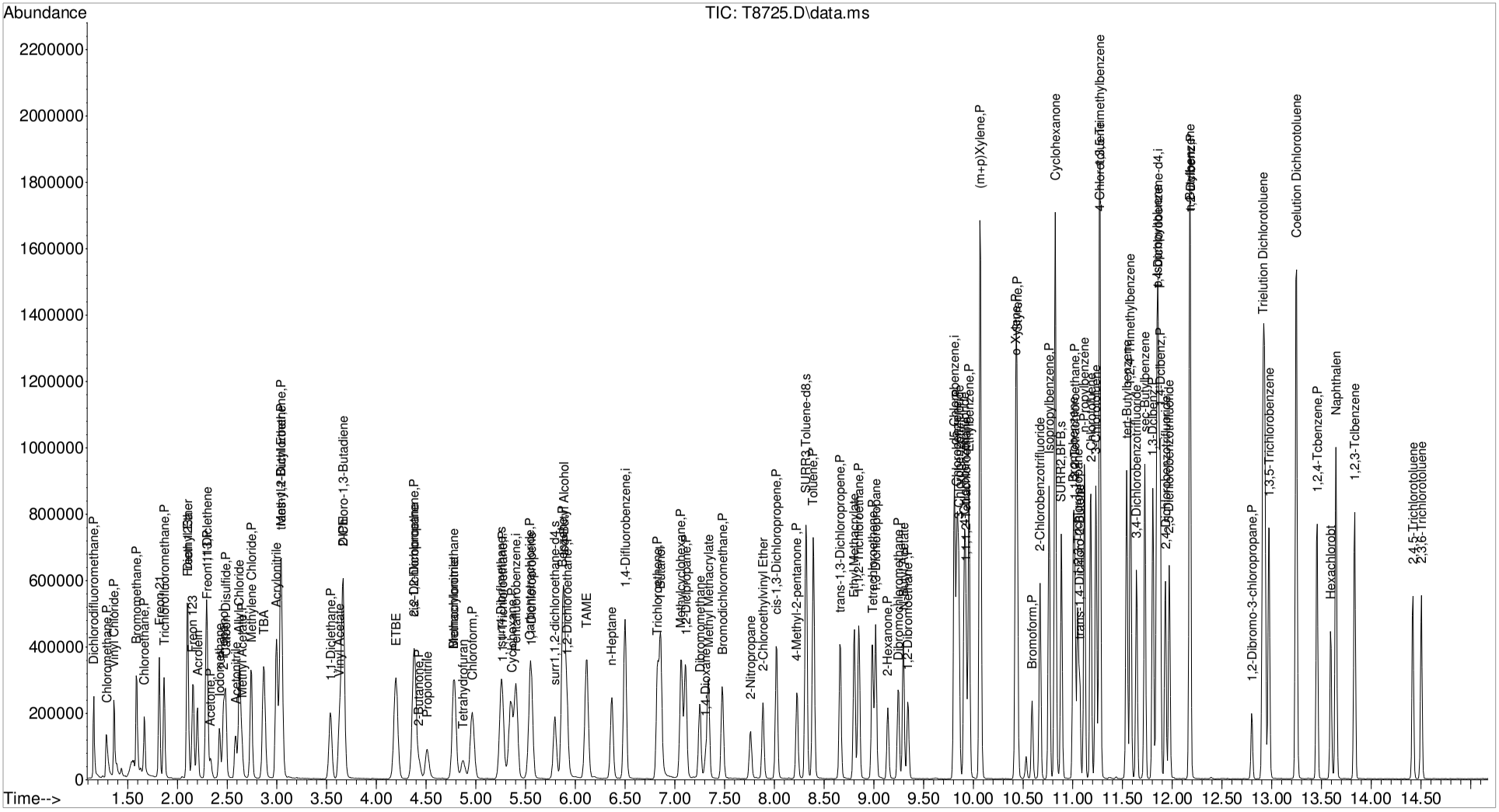
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	260235	46.25	ug/L	97
105) 1,4-Dclbenz	11.877	146	273602	45.66	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.932	214	102402	39.52	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.969	214	118762	40.55	ug/L	98
108) n-Butylbenzene	12.176	91	421155	46.16	ug/L	97
109) 1,2-Dclbenz	12.182	146	275506	48.05	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.798	157	35739	40.25	ug/L	92
111) Trielution Dichlorotol...	12.914	125	632501	144.85	ug/L	95
112) 1,3,5-Trichlorobenzene	12.975	180	172431	42.68	ug/L	97
113) Coelution Dichlorotoluene	13.249	125	469933	96.63	ug/L	98
114) 1,2,4-Tcbenzene	13.456	180	171845	46.95	ug/L	99
115) Hexachlorobt	13.591	225	54236	36.26	ug/L	97
116) Naphthalen	13.645	128	573960	51.26	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	167615	45.72	ug/L	96
118) 2,4,5-Trichlorotoluene	14.420	159	107180	46.11	ug/L	95
119) 2,3,6-Trichlorotoluene	14.505	159	96331	46.78	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8725.D
Acq On : 2 Sep 2021 12:56 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 09:05:43 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8726.D
Acq On : 2 Sep 2021 1:18 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 09:05:58 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.409	168	280294	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	443818	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	424101	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	249459	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	254167	93.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 187.26%#			
46) surr1,1,2-dichloroetha...	5.793	65	321448	95.87	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 191.74%#			
64) SURR3,Toluene-d8	8.317	98	1031750	98.34	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 196.68%#			
69) SURR2,BFB	10.884	95	415226	102.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 204.46%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	286264	96.31	ug/L	99
3) Chloromethane	1.282	50	292868	76.43	ug/L	97
4) Vinyl Chloride	1.361	62	332704	88.94	ug/L	98
5) Bromomethane	1.581	94	420175	92.71	ug/L	97
6) Chloroethane	1.660	64	215158	82.37	ug/L	91
7) Freon 21	1.812	67	554096	107.11	ug/L	98
8) Trichlorofluoromethane	1.861	101	338433	84.43	ug/L	96
9) Diethyl Ether	2.099	59	229700	87.11	ug/L	95
10) Freon 123a	2.099	67	280261	86.43	ug/L	96
11) Freon 123	2.154	83	315271	89.46	ug/L	97
12) Acrolein	2.196	56	288759	323.89	ug/L	98
13) 1,1-Diclethene	2.288	96	207676	88.44	ug/L	97
14) Freon 113	2.294	101	191428	79.87	ug/L	87
15) Acetone	2.336	43	121926	71.34	ug/L	89
16) 2-Propanol	2.471	45	568015	1418.80	ug/L	98
17) Iodomethane	2.422	142	324310	85.22	ug/L	93
18) Carbon Disulfide	2.483	76	540832	76.30	ug/L	100
19) Acetonitrile	2.586	41	240425	361.02	ug/L	98
20) Allyl Chloride	2.623	76	133269	84.67	ug/L #	86
21) Methyl Acetate	2.647	43	295656	81.09	ug/L	98
22) Methylene Chloride	2.739	84	263175	86.95	ug/L	96
23) TBA	2.873	59	911971	1401.27	ug/L	94
24) Acrylonitrile	2.995	53	691687	404.30	ug/L	94
25) Methyl-t-Butyl Ether	3.044	73	911576	92.77	ug/L	99
26) trans-1,2-Dichloroethene	3.038	96	240174	91.85	ug/L	98
27) 1,1-Diclethane	3.537	63	450019	93.03	ug/L	98
28) Vinyl Acetate	3.629	86	52907	79.00	ug/L #	85
29) DIPE	3.666	45	807944	86.83	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.659	53	356636	93.40	ug/L	99
31) ETBE	4.196	59	774311	91.69	ug/L	98
32) 2,2-Dichloropropane	4.373	77	341091	87.07	ug/L	98
33) cis-1,2-Dichloroethene	4.385	96	275539	94.14	ug/L	84
34) 2-Butanone	4.428	43	184343	74.72	ug/L	94
35) Propionitrile	4.513	54	280836	387.25	ug/L	99
36) Bromochloromethane	4.781	130	179601	94.01	ug/L	90
37) Methacrylonitrile	4.781	67	147640	87.50	ug/L	94
38) Tetrahydrofuran	4.873	42	117260	74.36	ug/L	99
39) Chloroform	4.958	83	460402	88.52	ug/L	97
40) 1,1,1-Trichloroethane	5.263	97	352645	94.13	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8726.D
Acq On : 2 Sep 2021 1:18 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 09:05:58 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.354	41	248263	83.42	ug/L		94
44) Carbontetrachloride	5.537	117	284935	87.87	ug/L		88
45) 1,1-Dichloropropene	5.555	75	299771	84.33	ug/L		96
47) Benzene	5.872	78	1015085	90.58	ug/L		97
48) 1,2-Dichloroethane	5.915	62	401925	96.03	ug/L		98
49) Iso-Butyl Alcohol	5.897	43	393100	1343.67	ug/L		88
50) TAME	6.116	73	776063	84.73	ug/L		96
51) n-Heptane	6.366	43	268774	77.38	ug/L		92
52) 1-Butanol	6.866	56	591063	3308.02	ug/L		99
53) Trichloroethene	6.823	130	242403	80.96	ug/L		98
54) Methylcyclohexane	7.061	55	299034	89.80	ug/L		98
55) 1,2-Diclpropane	7.104	63	271134	85.25	ug/L		98
56) Dibromomethane	7.250	93	186535	89.14	ug/L		93
57) 1,4-Dioxane	7.311	88	107317	1474.14	ug/L		96
58) Methyl Methacrylate	7.336	69	238944	84.77	ug/L		97
59) Bromodichloromethane	7.476	83	363997	92.57	ug/L		97
60) 2-Nitropropane	7.762	41	193117	156.64	ug/L		98
61) 2-Chloroethylvinyl Ether	7.884	63	203227	103.72	ug/L		100
62) cis-1,3-Dichloropropene	8.024	75	436047	94.28	ug/L		99
63) 4-Methyl-2-pentanone	8.226	43	375626	82.49	ug/L		95
65) Toluene	8.390	91	1102439	93.36	ug/L		98
66) trans-1,3-Dichloropropene	8.665	75	419031	95.40	ug/L		97
67) Ethyl Methacrylate	8.805	69	439052	90.20	ug/L		95
68) 1,1,2-Trichloroethane	8.847	97	261184	92.81	ug/L		98
71) Tetrachloroethene	8.988	164	171812	76.69	ug/L		91
72) 2-Hexanone	9.140	43	290167	80.59	ug/L		95
73) 1,3-Dichloropropane	9.018	76	451669	90.42	ug/L		96
74) Dibromochloromethane	9.250	129	277656	97.21	ug/L		88
75) N-Butyl Acetate	9.299	43	600414	86.97	ug/L		97
76) 1,2-Dibromoethane	9.341	107	285203	90.97	ug/L		100
77) 3-Chlorobenzotrifluoride	9.859	180	308711	76.32	ug/L		96
78) Chlorobenzene	9.835	112	696153	88.59	ug/L		98
79) 4-Chlorobenzotrifluoride	9.908	180	278507	76.29	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.926	131	247872	90.35	ug/L		95
81) Ethylbenzene	9.957	106	364656	89.70	ug/L		93
82) (m+p)Xylene	10.073	106	940867	182.96	ug/L		96
83) o-Xylene	10.426	106	478123	94.08	ug/L		95
84) Styrene	10.439	104	852755	96.28	ug/L		98
85) Bromoform	10.591	173	198677	87.18	ug/L		95
86) 2-Chlorobenzotrifluoride	10.670	180	317544	77.55	ug/L		93
87) Isopropylbenzene	10.762	105	1090405	91.13	ug/L		98
88) Cyclohexanone	10.823	55	1175592	1479.60	ug/L		93
89) trans-1,4-Dichloro-2-B...	11.073	53	109089	94.37	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.024	83	436113	93.32	ug/L		98
92) Bromobenzene	11.006	156	333979	86.46	ug/L		93
93) 1,2,3-Trichloropropane	11.048	110	129240	82.13	ug/L	#	85
94) n-Propylbenzene	11.115	91	1428406	91.05	ug/L		99
95) 2-Chlorotoluene	11.182	91	888437	88.86	ug/L		98
96) 3-Chlorotoluene	11.231	91	882224	92.42	ug/L		97
97) 4-Chlorotoluene	11.274	91	1045302	96.91	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	1097926	96.96	ug/L		96
99) tert-Butylbenzene	11.542	119	834806	86.91	ug/L		99
100) 1,2,4-Trimethylbenzene	11.579	105	1074339	95.86	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.640	214	258177	75.63	ug/L		96
102) sec-Butylbenzene	11.725	105	1263162	92.75	ug/L		99
103) p-Isopropyltoluene	11.847	119	1103242	93.07	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8726.D
Acq On : 2 Sep 2021 1:18 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 09:05:58 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

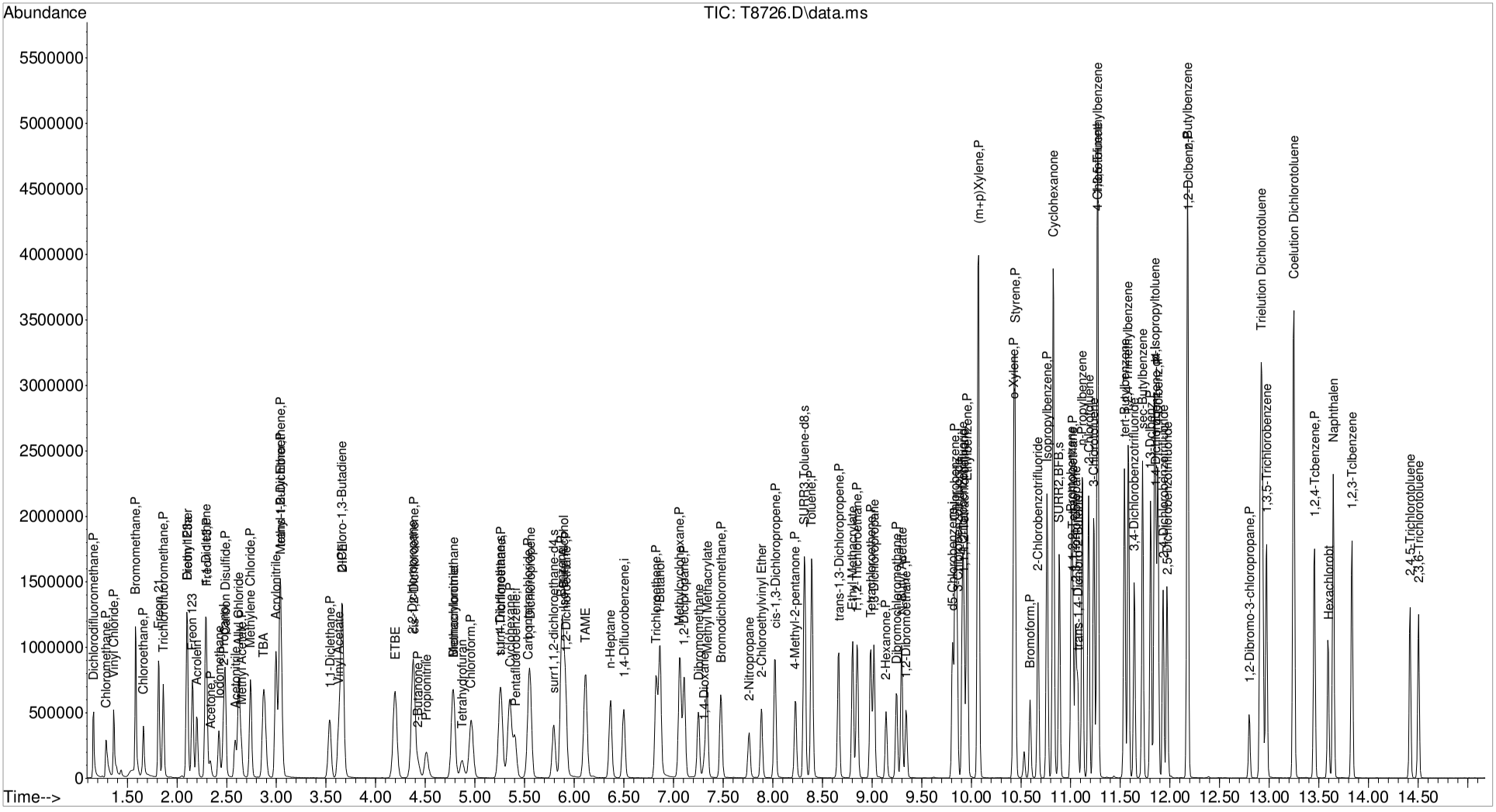
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.804	146	623163	90.62	ug/L		98
105) 1,4-Dclbenz	11.877	146	659829	90.10	ug/L		100
106) 2,4-Dichlorobenzotrifl...	11.932	214	239407	75.60	ug/L		95
107) 2,5-Dichlorobenzotrifl...	11.975	214	269787	75.37	ug/L		98
108) n-Butylbenzene	12.176	91	1047538	93.95	ug/L		98
109) 1,2-Dclbenz	12.182	146	630680	89.99	ug/L		98
110) 1,2-Dibromo-3-chloropr...	12.798	157	86942	80.10	ug/L	#	83
111) Trielution Dichlorotol...	12.920	125	1462134	273.97	ug/L		97
112) 1,3,5-Trichlorobenzene	12.975	180	397340	80.47	ug/L		95
113) Coelution Dichlorotoluene	13.249	125	1088701	183.16	ug/L		98
114) 1,2,4-Tcbenzene	13.456	180	384717	86.00	ug/L		95
115) Hexachlorobt	13.596	225	133560	73.06	ug/L		95
116) Naphthalen	13.645	128	1291494	94.37	ug/L		98
117) 1,2,3-Tclbenzene	13.834	180	387637	86.51	ug/L		97
118) 2,4,5-Trichlorotoluene	14.419	159	251817	88.64	ug/L		95
119) 2,3,6-Trichlorotoluene	14.505	159	210853	83.78	ug/L		90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8726.D
Acq On : 2 Sep 2021 1:18 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 09:05:58 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st FJ 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8727.D
Acq On : 2 Sep 2021 1:39 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 09:06:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	286382	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	444083	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	444286	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	267269	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	508518	187.22	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 374.44%#				
46) surr1,1,2-dichloroetha...	5.793	65	637776	190.11	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 380.22%#				
64) SURR3,Toluene-d8	8.317	98	1989484	189.50	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 379.00%#				
69) SURR2,BFB	10.884	95	848618	208.81	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 417.62%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	473741	155.99	ug/L		99
3) Chloromethane	1.288	50	470969	120.29	ug/L		100
4) Vinyl Chloride	1.361	62	553619	144.84	ug/L		99
5) Bromomethane	1.581	94	617736	133.40	ug/L		99
6) Chloroethane	1.654	64	335647	125.77	ug/L		91
7) Freon 21	1.812	67	1027178	194.33	ug/L		97
8) Trichlorofluoromethane	1.855	101	600139	146.53	ug/L		95
9) Diethyl Ether	2.099	59	355959	132.12	ug/L		95
10) Freon 123a	2.099	67	496732	149.93	ug/L		98
11) Freon 123	2.154	83	553470	153.72	ug/L		98
12) Acrolein	2.202	56	459578	504.53	ug/L		96
13) 1,1-Diclethene	2.288	96	341541	142.35	ug/L		98
14) Freon 113	2.294	101	338152	138.09	ug/L		87
15) Acetone	2.337	43	191313	109.56	ug/L		93
16) 2-Propanol	2.501	45	951873	2327.07	ug/L		99
17) Iodomethane	2.422	142	517040	132.98	ug/L		96
18) Carbon Disulfide	2.483	76	899456	124.20	ug/L		97
19) Acetonitrile	2.587	41	349514	513.66	ug/L		94
20) Allyl Chloride	2.623	76	222380	138.28	ug/L	#	90
21) Methyl Acetate	2.647	43	471326	126.52	ug/L		97
22) Methylene Chloride	2.739	84	411888	133.20	ug/L		92
23) TBA	2.879	59	1492155	2244.00	ug/L		96
24) Acrylonitrile	3.001	53	1064342	608.90	ug/L		95
25) Methyl-t-Butyl Ether	3.044	73	1407897	140.24	ug/L		99
26) trans-1,2-Dichloroethene	3.032	96	396107	148.26	ug/L		95
27) 1,1-Diclethane	3.531	63	718286	145.33	ug/L		99
28) Vinyl Acetate	3.629	86	86277	126.09	ug/L	#	94
29) DIPE	3.666	45	1400019	147.25	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.659	53	586984	150.46	ug/L		98
31) ETBE	4.196	59	1314989	152.41	ug/L		96
32) 2,2-Dichloropropane	4.373	77	560907	140.14	ug/L		98
33) cis-1,2-Dichloroethene	4.385	96	431086	144.16	ug/L		87
34) 2-Butanone	4.428	43	298333	118.35	ug/L		96
35) Propionitrile	4.513	54	442157	596.74	ug/L		99
36) Bromochloromethane	4.781	130	278539	142.70	ug/L		91
37) Methacrylonitrile	4.781	67	227304	131.85	ug/L		95
38) Tetrahydrofuran	4.873	42	180887	112.27	ug/L		94
39) Chloroform	4.958	83	730918	137.55	ug/L		99
40) 1,1,1-Trichloroethane	5.263	97	583436	152.43	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8727.D
Acq On : 2 Sep 2021 1:39 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 09:06:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.348	41	424884	142.69	ug/L	94
44) Carbontetrachloride	5.543	117	476369	146.81	ug/L	89
45) 1,1-Dichloropropene	5.555	75	488875	137.44	ug/L	97
47) Benzene	5.872	78	1571617	140.16	ug/L	98
48) 1,2-Dichloroethane	5.915	62	611150	145.93	ug/L	98
49) Iso-Butyl Alcohol	5.909	43	625536	2136.89	ug/L	89
50) TAME	6.116	73	1288727	140.61	ug/L	96
51) n-Heptane	6.366	43	455051	130.94	ug/L	94
52) 1-Butanol	6.872	56	976365	5461.18	ug/L	98
53) Trichloroethene	6.824	130	395863	132.14	ug/L	99
54) Methylcyclohexane	7.061	55	510328	153.17	ug/L	95
55) 1,2-Diclpropane	7.104	63	424527	133.40	ug/L	99
56) Dibromomethane	7.250	93	289100	138.07	ug/L	95
57) 1,4-Dioxane	7.317	88	167161	2294.80	ug/L	91
58) Methyl Methacrylate	7.336	69	369724	131.10	ug/L	96
59) Bromodichloromethane	7.476	83	569660	144.79	ug/L	98
60) 2-Nitropropane	7.762	41	307091	248.94	ug/L	93
61) 2-Chloroethylvinyl Ether	7.884	63	315040	160.69	ug/L	100
62) cis-1,3-Dichloropropene	8.024	75	671685	145.14	ug/L	100
63) 4-Methyl-2-pentanone	8.232	43	606181	133.05	ug/L	94
65) Toluene	8.390	91	1772437	150.01	ug/L	98
66) trans-1,3-Dichloropropene	8.665	75	661881	150.60	ug/L	98
67) Ethyl Methacrylate	8.805	69	689086	141.49	ug/L	100
68) 1,1,2-Trichloroethane	8.848	97	402835	143.06	ug/L	96
71) Tetrachloroethene	8.988	164	295050	125.72	ug/L	95
72) 2-Hexanone	9.140	43	447774	118.72	ug/L	97
73) 1,3-Dichloropropane	9.018	76	690065	131.87	ug/L	98
74) Dibromochloromethane	9.244	129	432370	144.50	ug/L	91
75) N-Butyl Acetate	9.299	43	948146	131.10	ug/L	98
76) 1,2-Dibromoethane	9.341	107	438384	133.48	ug/L	98
77) 3-Chlorobenzotrifluoride	9.860	180	583924	137.80	ug/L	96
78) Chlorobenzene	9.835	112	1118915	135.92	ug/L	96
79) 4-Chlorobenzotrifluoride	9.908	180	530235	138.65	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.927	131	401936	139.85	ug/L	95
81) Ethylbenzene	9.957	106	599736	140.83	ug/L	92
82) (m+p)Xylene	10.073	106	1550822	287.88	ug/L	95
83) o-Xylene	10.426	106	777959	146.13	ug/L	95
84) Styrene	10.439	104	1399770	150.86	ug/L	97
85) Bromoform	10.591	173	321119	134.50	ug/L	100
86) 2-Chlorobenzotrifluoride	10.670	180	616224	143.65	ug/L	94
87) Isopropylbenzene	10.762	105	1848701	147.48	ug/L	99
88) Cyclohexanone	10.829	55	1869599	2246.18	ug/L	93
89) trans-1,4-Dichloro-2-B...	11.073	53	178626	147.50	ug/L	92
91) 1,1,2,2-Tetrachloroethane	11.024	83	697700	139.35	ug/L	97
92) Bromobenzene	11.006	156	540371	130.57	ug/L	93
93) 1,2,3-Trichloropropane	11.048	110	202791	120.29	ug/L	93
94) n-Propylbenzene	11.121	91	2398766	142.72	ug/L	97
95) 2-Chlorotoluene	11.182	91	1468006	137.04	ug/L	98
96) 3-Chlorotoluene	11.231	91	1615231	157.94	ug/L	98
97) 4-Chlorotoluene	11.274	91	1731478	149.82	ug/L	98
98) 1,3,5-Trimethylbenzene	11.268	105	1839834	151.66	ug/L	99
99) tert-Butylbenzene	11.542	119	1453716	141.26	ug/L	100
100) 1,2,4-Trimethylbenzene	11.585	105	1823145	151.83	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.646	214	477555	130.57	ug/L	97
102) sec-Butylbenzene	11.725	105	2157631	147.88	ug/L	97
103) p-Isopropyltoluene	11.847	119	1883677	148.31	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8727.D
Acq On : 2 Sep 2021 1:39 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 09:06:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

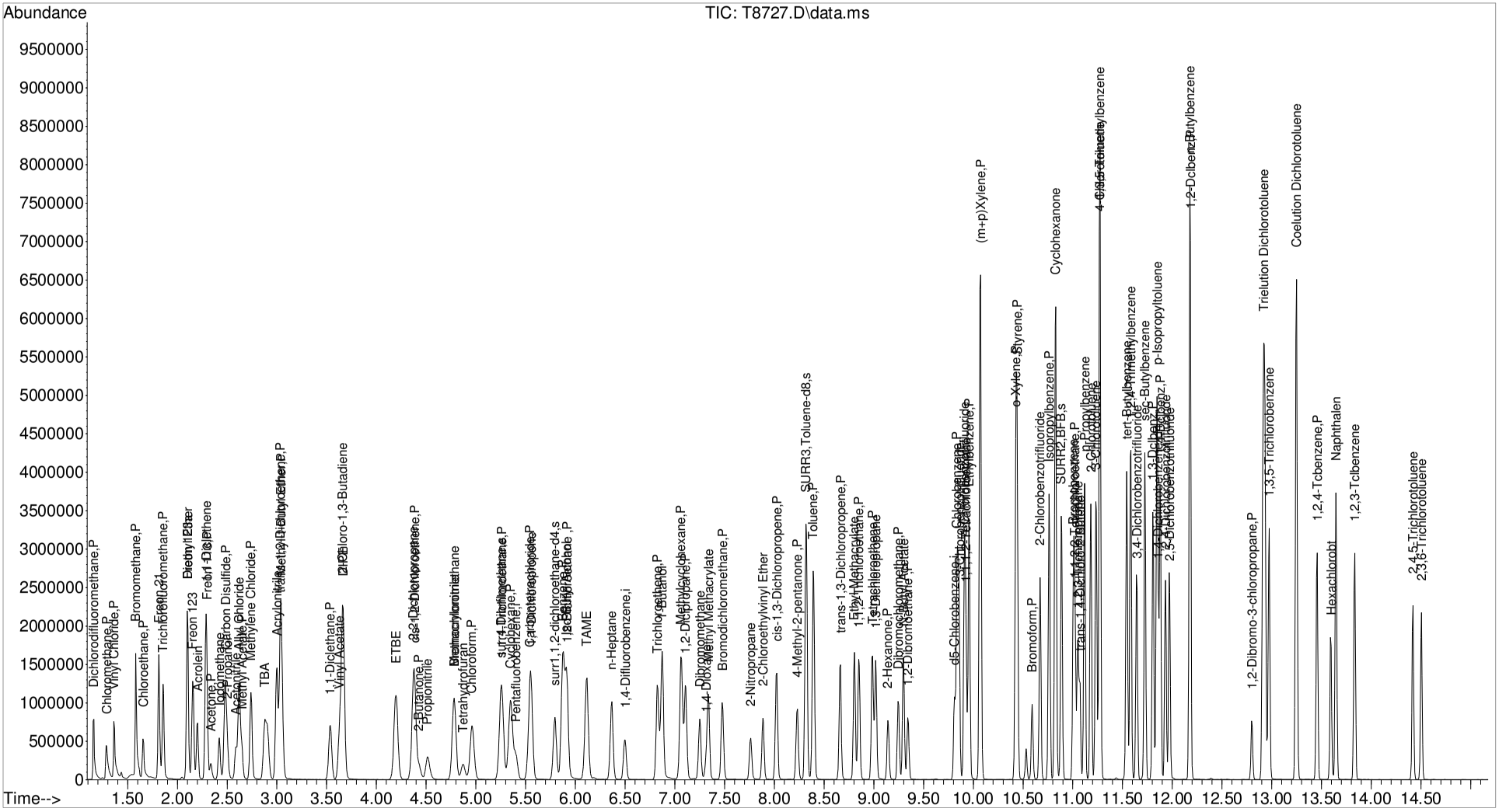
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	1031397	139.99	ug/L	98
105) 1,4-Dclbenz	11.877	146	1086449	138.46	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	435460	128.34	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.975	214	488585	127.41	ug/L	98
108) n-Butylbenzene	12.176	91	1820352	152.38	ug/L	98
109) 1,2-Dclbenz	12.182	146	1033038	137.59	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	144960	124.66	ug/L	93
111) Trielution Dichlorotol...	12.920	125	2630829	460.11	ug/L	98
112) 1,3,5-Trichlorobenzene	12.975	180	702647	132.82	ug/L	97
113) Coelution Dichlorotoluene	13.249	125	1890484	296.86	ug/L	100
114) 1,2,4-Tcbenzene	13.456	180	636364	132.78	ug/L	98
115) Hexachlorobt	13.597	225	228268	116.54	ug/L	95
116) Naphthalen	13.645	128	2073042	141.38	ug/L	97
117) 1,2,3-Tclbenzene	13.834	180	625439	130.28	ug/L	98
118) 2,4,5-Trichlorotoluene	14.420	159	435143	142.96	ug/L	94
119) 2,3,6-Trichlorotoluene	14.505	159	379235	140.64	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8727.D
Acq On : 2 Sep 2021 1:39 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 09:06:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st FJ 09/08/21
2nd 09/08/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8728.D
Acq On : 2 Sep 2021 2:01 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 09:06:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.409	168	314299	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.501	114	500958	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	480980	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	277562	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	148474	48.46	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 96.92%				
46) surr1,1,2-dichloroetha...	5.793	65	187132	49.45	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.90%				
64) SURR3,Toluene-d8	8.317	98	586872	49.55	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.10%				
69) SURR2,BFB	10.884	95	244298	53.29	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 106.58%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	781704	234.54	ug/L		99
3) Chloromethane	1.288	50	721874	168.00	ug/L		100
4) Vinyl Chloride	1.361	62	816278	194.59	ug/L		100
5) Bromomethane	1.587	94	1054539	207.50	ug/L		96
6) Chloroethane	1.666	64	522932	178.54	ug/L		94
7) Freon 21	1.819	67	1462467	252.11	ug/L		99
8) Trichlorofluoromethane	1.861	101	1101213	244.99	ug/L		95
9) Diethyl Ether	2.099	59	559662	189.27	ug/L		92
10) Freon 123a	2.105	67	742068	204.08	ug/L		96
11) Freon 123	2.154	83	827969	209.53	ug/L		96
12) Acrolein	2.196	56	679394	679.59	ug/L		97
13) 1,1-Diclethene	2.288	96	567928	215.69	ug/L		97
14) Freon 113	2.294	101	549885	204.61	ug/L		86
15) Acetone	2.331	43	280172	146.20	ug/L		89
16) 2-Propanol	2.471	45	1305569	2908.25	ug/L		99
17) Iodomethane	2.422	142	853773	200.09	ug/L		93
18) Carbon Disulfide	2.483	76	1412745	177.75	ug/L		98
19) Acetonitrile	2.587	41	580290	777.07	ug/L		99
20) Allyl Chloride	2.623	76	363298	205.84	ug/L	#	87
21) Methyl Acetate	2.648	43	693795	169.70	ug/L		97
22) Methylene Chloride	2.739	84	671650	197.91	ug/L		93
23) TBA	2.873	59	2119160	2903.85	ug/L		96
24) Acrylonitrile	2.995	53	1624911	847.03	ug/L		97
25) Methyl-t-Butyl Ether	3.044	73	2233949	202.75	ug/L		99
26) trans-1,2-Dichloroethene	3.038	96	641549	218.80	ug/L		94
27) 1,1-Diclethane	3.538	63	1143784	210.86	ug/L		99
28) Vinyl Acetate	3.629	86	128470	171.08	ug/L		97
29) DIPE	3.666	45	2096205	200.90	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.660	53	928483	216.86	ug/L		98
31) ETBE	4.196	59	1982853	209.40	ug/L		98
32) 2,2-Dichloropropane	4.373	77	927795	211.21	ug/L		100
33) cis-1,2-Dichloroethene	4.385	96	702018	213.91	ug/L		84
34) 2-Butanone	4.422	43	436515	157.78	ug/L		99
35) Propionitrile	4.513	54	656809	807.71	ug/L		99
36) Bromochloromethane	4.781	130	442662	206.65	ug/L		94
37) Methacrylonitrile	4.787	67	349904	184.94	ug/L		99
38) Tetrahydrofuran	4.867	42	266936	150.96	ug/L		92
39) Chloroform	4.958	83	1175257	201.53	ug/L		98
40) 1,1,1-Trichloroethane	5.263	97	956268	227.65	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8728.D
Acq On : 2 Sep 2021 2:01 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 09:06:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	619164	184.32	ug/L		93
44) Carbontetrachloride	5.543	117	791401	216.21	ug/L		92
45) 1,1-Dichloropropene	5.556	75	798960	199.12	ug/L		97
47) Benzene	5.873	78	2521319	199.33	ug/L		99
48) 1,2-Dichloroethane	5.915	62	970428	205.41	ug/L		98
49) Iso-Butyl Alcohol	5.903	43	881208	2668.53	ug/L		90
50) TAME	6.110	73	1950447	188.65	ug/L		94
51) n-Heptane	6.366	43	719194	183.45	ug/L		93
52) 1-Butanol	6.872	56	1319322	6541.66	ug/L		99
53) Trichloroethene	6.830	130	634416	187.72	ug/L		97
54) Methylcyclohexane	7.061	55	765855	203.76	ug/L		96
55) 1,2-Diclpropane	7.110	63	668849	186.31	ug/L		99
56) Dibromomethane	7.250	93	451625	191.20	ug/L		98
57) 1,4-Dioxane	7.311	88	234900	2858.62	ug/L		94
58) Methyl Methacrylate	7.336	69	573545	180.28	ug/L		97
59) Bromodichloromethane	7.476	83	925817	208.60	ug/L		98
60) 2-Nitropropane	7.762	41	483059	347.12	ug/L		100
61) 2-Chloroethylvinyl Ether	7.884	63	467339	211.31	ug/L		100
62) cis-1,3-Dichloropropene	8.025	75	1071004	205.16	ug/L		99
63) 4-Methyl-2-pentanone	8.226	43	864012	168.11	ug/L		95
65) Toluene	8.390	91	2770640	207.88	ug/L		97
66) trans-1,3-Dichloropropene	8.665	75	1044565	210.69	ug/L		97
67) Ethyl Methacrylate	8.805	69	1071407	195.01	ug/L		100
68) 1,1,2-Trichloroethane	8.854	97	632886	199.24	ug/L		93
71) Tetrachloroethene	8.988	164	478100	188.17	ug/L		97
72) 2-Hexanone	9.140	43	655504	160.53	ug/L		95
73) 1,3-Dichloropropane	9.018	76	1063379	187.71	ug/L		98
74) Dibromochloromethane	9.244	129	694836	214.50	ug/L		92
75) N-Butyl Acetate	9.299	43	1380328	176.29	ug/L		98
76) 1,2-Dibromoethane	9.341	107	689571	193.94	ug/L		99
77) 3-Chlorobenzotrifluoride	9.860	180	881643	192.18	ug/L		93
78) Chlorobenzene	9.841	112	1753099	196.70	ug/L		94
79) 4-Chlorobenzotrifluoride	9.914	180	783158	189.16	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.927	131	634114	203.80	ug/L		95
81) Ethylbenzene	9.957	106	949769	206.01	ug/L		99
82) (m+p)Xylene	10.073	106	2496170	428.01	ug/L	#	85
83) o-Xylene	10.427	106	1239269	215.02	ug/L		98
84) Styrene	10.439	104	2168020	215.83	ug/L		94
85) Bromoform	10.591	173	514357	199.00	ug/L		100
86) 2-Chlorobenzotrifluoride	10.670	180	911112	196.19	ug/L		93
87) Isopropylbenzene	10.762	105	2870014	211.50	ug/L		97
88) Cyclohexanone	10.829	55	2536909	2815.37	ug/L		93
89) trans-1,4-Dichloro-2-B...	11.073	53	258086	196.85	ug/L		95
91) 1,1,2,2-Tetrachloroethane	11.024	83	1008488	193.95	ug/L		99
92) Bromobenzene	11.012	156	818698	190.48	ug/L		98
93) 1,2,3-Trichloropropane	11.055	110	298344	170.40	ug/L		95
94) n-Propylbenzene	11.122	91	3563815	204.17	ug/L		95
95) 2-Chlorotoluene	11.183	91	2203350	198.06	ug/L		98
96) 3-Chlorotoluene	11.237	91	2288480	215.47	ug/L		97
97) 4-Chlorotoluene	11.274	91	2623145	218.56	ug/L		98
98) 1,3,5-Trimethylbenzene	11.274	105	2784768	221.04	ug/L		97
99) tert-Butylbenzene	11.542	119	2185074	204.45	ug/L		99
100) 1,2,4-Trimethylbenzene	11.585	105	2693077	215.96	ug/L		95
101) 3,4-Dichlorobenzotrifl...	11.646	214	674049	177.45	ug/L		98
102) sec-Butylbenzene	11.725	105	3180973	209.93	ug/L		96
103) p-Isopropyltoluene	11.847	119	2809772	213.03	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8728.D
Acq On : 2 Sep 2021 2:01 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 09:06:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration

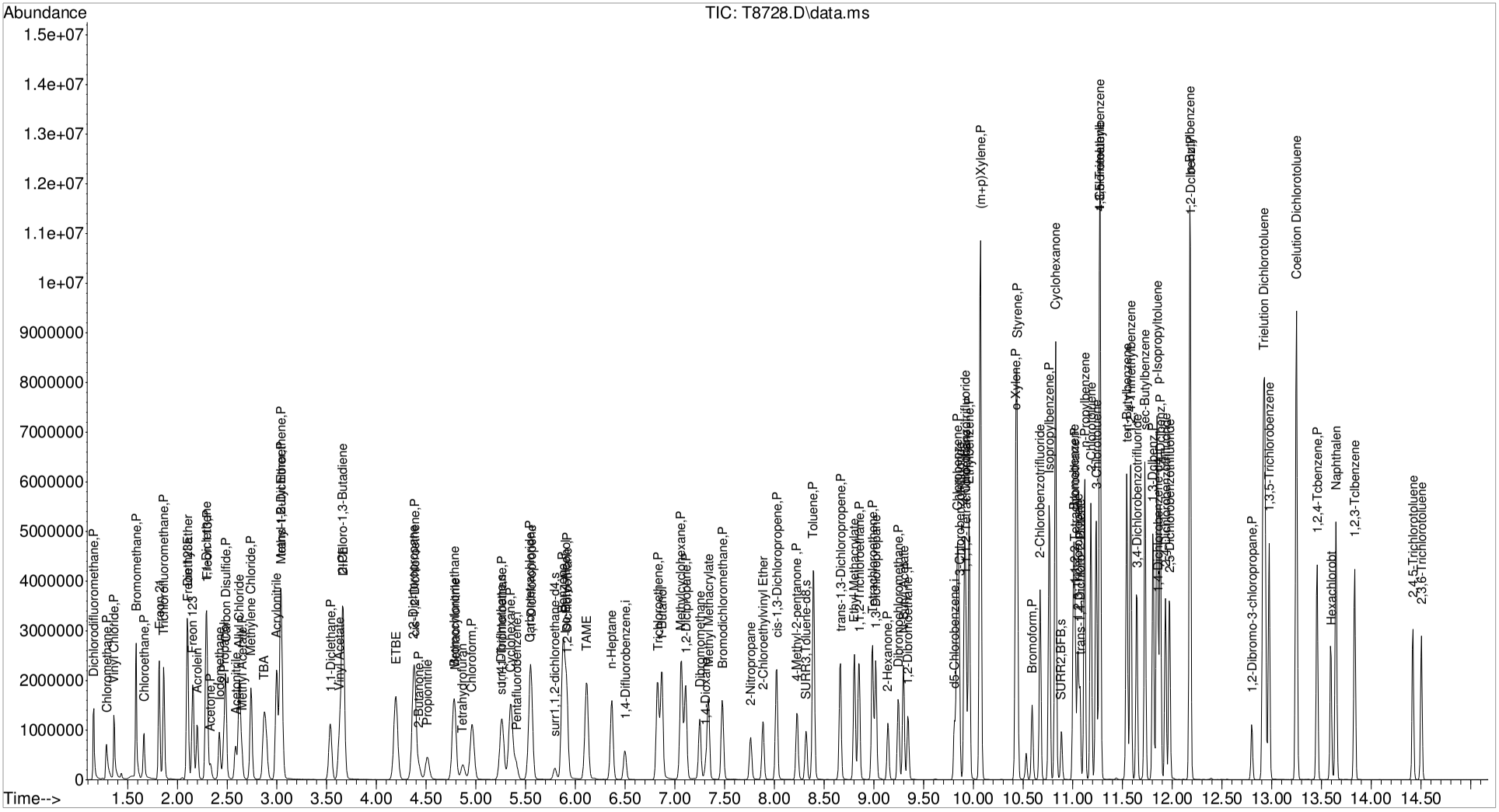
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	1531318	200.14 ug/L	99
105) 1,4-Dclbenz	11.878	146	1610370	197.62 ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	604683	171.60 ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.975	214	683859	171.71 ug/L	97
108) n-Butylbenzene	12.176	91	2700596	217.68 ug/L	98
109) 1,2-Dclbenz	12.182	146	1559309	199.98 ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	206135	170.69 ug/L #	81
111) Trielution Dichlorotol...	12.920	125	3705154	623.97 ug/L	98
112) 1,3,5-Trichlorobenzene	12.975	180	977299	177.89 ug/L	95
113) Coelution Dichlorotoluene	13.249	125	2660982	402.36 ug/L	99
114) 1,2,4-Tcbenzene	13.456	180	932722	187.40 ug/L	97
115) Hexachlorobt	13.597	225	336270	165.32 ug/L	93
116) Naphthalen	13.645	128	2920903	191.82 ug/L	97
117) 1,2,3-Tclbenzene	13.834	180	897886	180.10 ug/L	97
118) 2,4,5-Trichlorotoluene	14.420	159	586038	185.39 ug/L	94
119) 2,3,6-Trichlorotoluene	14.505	159	514948	183.89 ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8728.D
Acq On : 2 Sep 2021 2:01 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 09:06:33 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 02 10:23:40 2021
Response via : Initial Calibration



1st FJ 09/08/21
2nd 09/08/21

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	100	0.00
2	P	Dichlorodifluoromethane	50.000	40.065	19.9	90	0.00
3	P	Chloromethane	50.000	55.513	-11.0	126	0.00
4	P	Vinyl Chloride	50.000	49.866	0.3	110	0.00
5	P	Bromomethane	50.000	36.676	26.6#	95	0.00
6	P	Chloroethane	50.000	47.780	4.4	110	0.00
7		Freon 21	50.000	44.595	10.8	121	0.00
8	P	Trichlorofluoromethane	50.000	39.031	21.9#	101	0.00
9		Diethyl Ether	50.000	47.025	6.0	97	0.00
10		Freon 123a	50.000	48.041	3.9	120	0.00
11		Freon 123	50.000	47.107	5.8	118	0.00
12		Acrolein	250.000	106.348	57.5#	44	0.00
13		1,1-Diclethene	50.000	41.411	17.2	99	0.00
14	P	Freon 113	50.000	40.954	18.1	100	0.00
15	P	Acetone	50.000	45.202	9.6	102	0.00
16		2-Propanol	1000.000	1010.726	-1.1	105	0.00
17		Iodomethane	50.000	43.125	13.8	95	0.00
18	P	Carbon Disulfide	50.000	54.385	-8.8	127	0.00
19		Acetonitrile	250.000	249.273	0.3	91	0.00
20		Allyl Chloride	50.000	42.941	14.1	91	0.00
21	P	Methyl Acetate	50.000	55.884	-11.8	122	0.00
22	P	Methylene Chloride	50.000	43.871	12.3	99	0.00
23		TBA	1000.000	1039.288	-3.9	107	0.00
24		Acrylonitrile	250.000	247.906	0.8	102	0.00
25	P	Methyl-t-Butyl Ether	50.000	47.024	6.0	96	0.00
26	P	trans-1,2-Dichloroethene	50.000	43.262	13.5	97	0.00
27	P	1,1-Diclethane	50.000	45.563	8.9	98	0.00
28		Vinyl Acetate	50.000	29.567	40.9#	59	0.00
29		DIPE	50.000	50.634	-1.3	104	0.00
30		2-Chloro-1,3-Butadiene	50.000	50.219	-0.4	117	0.00
31		ETBE	50.000	46.148	7.7	97	0.00
32		2,2-Dichloropropane	50.000	45.639	8.7	105	0.00
33	P	cis-1,2-Dichloroethene	50.000	45.182	9.6	101	0.00
34	P	2-Butanone	50.000	50.285	-0.6	106	0.00
35		Propionitrile	250.000	249.105	0.4	105	0.00
36		Bromochloromethane	50.000	44.678	10.6	96	0.00
37		Methacrylonitrile	50.000	50.852	-1.7	100	0.00
38		Tetrahydrofuran	50.000	50.074	-0.1	111	0.00
39	P	Chloroform	50.000	45.254	9.5	95	0.00
40	P	1,1,1-Trichloroethane	50.000	43.594	12.8	99	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
42	P	Cyclohexane	50.000	48.487	3.0	118	0.00
43	s	surr4,Dibrflmethane	50.000	51.383	-2.8	98	0.00
44	P	Carbontetrachloride	50.000	40.566	18.9	96	0.00
45		1,1-Dichloropropene	50.000	43.220	13.6	100	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	50.717	-1.4	101	0.00
47	P	Benzene	50.000	45.998	8.0	95	0.00
48	P	1,2-Dichloroethane	50.000	48.290	3.4	97	0.00
49		Iso-Butyl Alcohol	1000.000	1094.359	-9.4	104	0.00
50		TAME	50.000	51.112	-2.2	105	0.00
51		n-Heptane	50.000	41.620	16.8	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.000	2795.088	-11.8	105	0.00
53	P	Trichloroethene	50.000	45.087	9.8	97	0.00
54	P	Methylcyclohexane	50.000	49.932	0.1	122	0.00
55	P	1,2-Diclpropane	50.000	45.769	8.5	97	0.00
56		Dibromomethane	50.000	48.922	2.2	103	0.00
57		1,4-Dioxane	1000.000	1068.228	-6.8	104	0.00
58		Methyl Methacrylate	50.000	52.760	-5.5	102	0.00
59	P	Bromodichloromethane	50.000	50.390	-0.8	97	0.00
60		2-Nitropropane	100.000	110.513	-10.5	106	0.00
61		2-Chloroethylvinyl Ether	50.000	52.491	-5.0	101	0.00
62	P	cis-1,3-Dichloropropene	50.000	49.470	1.1	100	0.00
63	P	4-Methyl-2-pentanone	50.000	53.891	-7.8	105	0.00
64	s	SURR3,Toluene-d8	50.000	51.195	-2.4	98	0.00
65	P	Toluene	50.000	46.267	7.5	99	0.00
66	P	trans-1,3-Dichloropropene	50.000	51.173	-2.3	97	0.00
67		Ethyl Methacrylate	50.000	47.363	5.3	89	0.00
68	P	1,1,2-Trichloroethane	50.000	51.241	-2.5	100	0.00
69	s	SURR2,BFB	50.000	51.402	-2.8	102	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	96	0.00
71	P	Tetrachloroethene	50.000	44.557	10.9	102	0.00
72	P	2-Hexanone	50.000	55.480	-11.0	103	0.00
73		1,3-Dichloropropane	50.000	49.227	1.5	94	0.00
74	P	Dibromochloromethane	50.000	51.360	-2.7	98	0.00
75		N-Butyl Acetate	50.000	53.345	-6.7	102	0.00
76	P	1,2-Dibromoethane	50.000	52.567	-5.1	96	0.00
77		3-Chlorobenzotrifluoride	50.000	44.354	11.3	95	0.00
78	P	Chlorobenzene	50.000	47.097	5.8	97	0.00
79		4-Chlorobenzotrifluoride	50.000	46.012	8.0	101	0.00
80		1,1,1,2-Tetrachloroethane	50.000	49.850	0.3	97	0.00
81	P	Ethylbenzene	50.000	46.352	7.3	97	0.00
82	P	(m+p)Xylene	100.000	99.003	1.0	100	0.00
83	P	o-Xylene	50.000	49.745	0.5	102	0.00
84	P	Styrene	50.000	49.106	1.8	97	0.00
85	P	Bromoform	50.000	52.245	-4.5	96	0.00
86		2-Chlorobenzotrifluoride	50.000	46.613	6.8	98	0.00
87	P	Isopropylbenzene	50.000	48.518	3.0	104	0.00
88		Cyclohexanone	1000.000	1186.021	-18.6	111	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	52.604	-5.2	101	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	52.982	-6.0	108	0.00
92		Bromobenzene	50.000	47.306	5.4	98	0.00
93		1,2,3-Trichloropropane	50.000	46.776	6.4	98	0.00
94		n-Propylbenzene	50.000	46.537	6.9	102	0.00
95		2-Chlorotoluene	50.000	44.394	11.2	97	0.00
96		3-Chlorotoluene	50.000	49.133	1.7	103	0.00
97		4-Chlorotoluene	50.000	47.910	4.2	102	0.00
98		1,3,5-Trimethylbenzene	50.000	47.552	4.9	101	0.00
99		tert-Butylbenzene	50.000	45.241	9.5	104	0.00
100		1,2,4-Trimethylbenzene	50.000	47.671	4.7	100	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	44.280	11.4	104	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\090221\
Data File : T8732.D
Acq On : 2 Sep 2021 3:28 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 10:04:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.000	47.018	6.0	105	0.00
103		p-Isopropyltoluene	50.000	47.546	4.9	101	0.00
104	P	1,3-Dclbenz	50.000	48.132	3.7	100	0.00
105	P	1,4-Dclbenz	50.000	44.961	10.1	98	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	46.185	7.6	101	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	46.660	6.7	101	0.00
108		n-Butylbenzene	50.000	46.595	6.8	99	0.00
109	P	1,2-Dclbenz	50.000	49.394	1.2	98	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	54.356	-8.7	101	0.00
111		Trielution Dichlorotoluene	150.000	148.398	1.1	99	0.01
112		1,3,5-Trichlorobenzene	50.000	46.738	6.5	97	0.00
113		Coelution Dichlorotoluene	100.000	98.085	1.9	97	0.00
114	P	1,2,4-Tcbenzene	50.000	51.134	-2.3	98	0.00
115		Hexachlorobt	50.000	52.084	-4.2	108	0.00
116		Naphthalen	50.000	54.647	-9.3	97	0.00
117		1,2,3-Tclbenzene	50.000	47.824	4.4	98	0.00
118		2,4,5-Trichlorotoluene	50.000	53.628	-7.3	102	0.00
119		2,3,6-Trichlorotoluene	50.000	51.459	-2.9	99	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: 9/2/21 10:04

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\090221\T8718.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	25.6	24211	PASS
75	95	30	60	58.7	55552	PASS
95	95	100	100	100.0	94624	PASS
96	95	5	9	6.1	5772	PASS
173	174	0	2	1.1	884	PASS
174	95	50	120	86.1	81432	PASS
175	174	5	9	7.5	6140	PASS
176	174	95	101	95.2	77528	PASS
177	176	5	9	6.8	5300	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICALBLK	ICALBLK	I:\ACQUDATA\msvoa10\data\090221\T8719.D	9/2/21 10:45	
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8720.D	9/2/21 11:07	
1 PPB STD	1 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090221\T8721.D	9/2/21 11:28	
2 PPB STD	2 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8722.D	9/2/21 11:50	
5 PPB STD	5 PPB STD	I:\ACQUDATA\MSVOA10\DATA\090221\T8723.D	9/2/21 12:12	
20 PPB STD	20 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8724.D	9/2/21 12:34	
50 PPB STD	50 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8725.D	9/2/21 12:56	
100 PPB STD	100 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8726.D	9/2/21 13:18	
150 PPB STD	150 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8727.D	9/2/21 13:39	
200 PPB STD	200 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8728.D	9/2/21 14:01	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\MSVOA10\DATA\090221\T8732.D	9/2/21 15:28	

Analysis: 8260/624 Analyst: F.Naegler pH strips: — Tune Method: W090221.M

Date: 9/2/21 Balance ID: — ResCl strips: — Run Method: ↓

Instr. MS 10 50 mL Class A used for dilution FV Syringes: 177417 / 218709 LIMS Run# : —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	TUNE							T8718	Y	
1	ICAL BLK							19	Y	
2	0.5 ppb std							20	Y	
3	1							21	Y	
4	2							22	Y	
5	5							23	Y	
6	20							24	Y	
7	50							25	Y	
8	100							26	Y	
9	150							27	Y	
10	200 ↓							28	Y	
11	BLK							29	Y	
12	↓							30	Y	
13								31	Y	
14	50 ppb ICV							32	Y	
15	BLK							33	Y	
16	↓							34 ↓	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 218876	10mL/1mL 5mL/50mL	10mL/50mL	20mL/50mL	50mL/50mL	2mL/50mL	5mL/50mL	10mL/50mL	15mL/50mL	20mL/50mL
1° HSL = 218923	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 219026	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 218147	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

Primary See: TABLE ABOVE

Primary :

Primary :

Primary :

Primary :

Fr Secondary 200 : 218625 – 12.5uL

TIG Secondary 500 : 218705 – 5uL

HSL Secondary ↓ : 218998 – ↓

OCC Secondary ↓ : 218150 – ↓

Secondary :

50mL (ICV)

Surrogate 50 : 219023

Internal Std 50 : 219024

Reagents: —

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2100120-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8720.D	09/02/2021 11:07
02	RC2100120-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8721.D	09/02/2021 11:28
03	RC2100120-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8722.D	09/02/2021 11:50
04	RC2100120-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8723.D	09/02/2021 12:12
05	RC2100120-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8724.D	09/02/2021 12:34
06	RC2100120-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8725.D	09/02/2021 12:56
07	RC2100120-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8726.D	09/02/2021 13:18
08	RC2100120-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8727.D	09/02/2021 13:39
09	RC2100120-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8728.D	09/02/2021 14:01

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6624	02	1.000	0.6055	03	2.000	0.661	04	5.000	0.6752
05	20.000	0.6793	06	50.000	0.5797	07	100.000	0.6291	08	150.000	0.6791
09	200.000	0.7606									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8021	02	1.000	0.7631	03	2.000	0.7483	04	5.000	0.9268
05	20.000	0.882	06	50.000	0.7719	07	100.000	0.8028	08	150.000	0.836
09	200.000	0.9098									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4283	02	1.000	0.4103	03	2.000	0.4014	04	5.000	0.4465
05	20.000	0.4339	06	50.000	0.3419	07	100.000	0.3705	08	150.000	0.3975
09	200.000	0.4517									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3993	05	20.000	0.3346	06	50.000	0.4137	07	100.000	0.4678
08	200.000	0.4777									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.2869	05	20.000	0.2494	06	50.000	0.2869	07	100.000	0.2863
08	200.000	0.2863									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2079	02	1.000	0.2423	03	2.000	0.237	04	5.000	0.2599
05	20.000	0.2349	06	50.000	0.1908	07	100.000	0.2026	08	150.000	0.2214
09	200.000	0.2485									

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.221	05	20.000	0.9852	06	50.000	1.151	07	100.000	1.162
08	200.000	1.12									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2628	02	1.000	0.275	03	2.000	0.2968	04	5.000	0.3201
05	20.000	0.3099	06	50.000	0.2649	07	100.000	0.2731	08	150.000	0.2971
09	200.000	0.3166									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5577	02	1.000	0.7592	03	2.000	0.5544	04	5.000	0.7043
05	20.000	0.6818	06	50.000	0.5782	07	100.000	0.5935	08	150.000	0.6444
09	200.000	0.6493									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5725	02	1.000	0.4886	03	2.000	0.4965	04	5.000	0.5435
05	20.000	0.5219	06	50.000	0.4619	07	100.000	0.4915	08	150.000	0.5018
09	200.000	0.5584									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4101	02	1.000	0.5067	03	2.000	0.4484	04	5.000	0.4393
05	20.000	0.4562	06	50.000	0.4006	07	100.000	0.4284	08	150.000	0.461
09	200.000	0.5103									

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

		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	7.9	≤20	0.6591	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.9	≤20	0.827	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	8.8	≤20	0.4091	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	13.8	≤20	0.4186	
Dibromofluoromethane	SURR	Average RF	% RSD	6.0	≤20	0.2792	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.1	≤20	0.2272	0.200
Toluene-d8	SURR	Average RF	% RSD	7.8	≤20	1.128	
Trichloroethene (TCE)	TRG	Average RF	% RSD	7.7	≤20	0.2907	0.200
Vinyl Chloride	TRG	Average RF	% RSD	11.1	≤20	0.6359	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	7.1	≤20	0.5152	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	8.4	≤20	0.4512	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2100120-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\090221\T8732.D	09/02/2021 15:28

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.6	6.591E-1	5.747E-1	-12.812	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.6	8.27E-1	7.536E-1	-8.874	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	41.4	4.091E-1	3.388E-1	-17.177	±30	Average RF
Tetrachloroethene (PCE)	50.0	44.6	2.272E-1	2.025E-1	-10.886	±30	Average RF
Trichloroethene (TCE)	50.0	45.1	2.907E-1	2.621E-1	-9.827	±30	Average RF
Vinyl Chloride	50.0	49.9	6.359E-1	6.342E-1	-0.269	±30	Average RF
cis-1,2-Dichloroethene	50.0	45.2	5.152E-1	4.655E-1	-9.635	±30	Average RF
trans-1,2-Dichloroethene	50.0	43.3	4.512E-1	3.904E-1	-13.476	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.4	4.186E-1	4.304E-1	2.80	±30	Average RF
Dibromofluoromethane	50.0	51.4	2.792E-1	2.869E-1	2.77	±30	Average RF
Toluene-d8	50.0	51.2	1.128E0	1.155E0	2.39	±30	Average RF

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/22/21 10:46

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:	8260C	**Calibration Date:**	9/2/2021
File ID:	I:\ACQUDATA\msvoa10\data\092221\T8883.D\	**Calibration ID:**	RC2100120
Signal ID:	1	**Analysis Lot:**	739615
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	45.1	0.6591	0.5948	-9.8	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.7	0.827	0.8391	1.5	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.1	0.4091	0.41	0.2	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	51.7	0.2272	0.2352	3.5	NA	±20	Average RF
Trichloroethene (TCE)	50.0	50.6	0.2907	0.2944	1.3	NA	±20	Average RF
Vinyl Chloride	50.0	49.9	0.6359	0.6347	-0.2	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.4	0.5152	0.5095	-1.1	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	50.9	0.4512	0.4594	1.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.6	0.4186	0.44	5.1	NA	±20	Average RF
Dibromofluoromethane	50.0	51.7	0.2792	0.2885	3.3	NA	±20	Average RF
Toluene-d8	50.0	51.1	1.128	1.1532	2.2	NA	±20	Average RF

Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood/5101.0002

Service Request: R2109635
Date Analyzed: 09/23/21 11:24

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\092321\T8944.D\
Signal ID: 1

Calibration Date: 9/2/2021
Calibration ID: RC2100120
Analysis Lot: 739766
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.4	0.6591	0.6508	-1.3	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	51.7	0.827	0.8555	3.4	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	53.7	0.4091	0.4394	7.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	51.8	0.2272	0.2355	3.6	NA	±20	Average RF
Trichloroethene (TCE)	50.0	52.7	0.2907	0.3062	5.3	NA	±20	Average RF
Vinyl Chloride	50.0	50.3	0.6359	0.6396	0.6	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	51.5	0.5152	0.5302	2.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	53.6	0.4512	0.4835	7.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	54.3	0.4186	0.4544	8.5	NA	±20	Average RF
Dibromofluoromethane	50.0	54.6	0.2792	0.3049	9.2	NA	±20	Average RF
Toluene-d8	50.0	52.9	1.128	1.1938	5.8	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**739615
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092221\T8882.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	10:14:00	
I:\ACQUDATA\msvoa10\data\092221\T8883.D\	Continuing Calibration Verification	RQ2111751-02	9/22/2021	10:46:00	
I:\ACQUDATA\msvoa10\data\092221\T8885.D\	Lab Control Sample	RQ2111751-03	9/22/2021	11:57:00	
I:\ACQUDATA\msvoa10\data\092221\T8886.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	12:19:00	
I:\ACQUDATA\msvoa10\data\092221\T8887.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	12:48:00	
I:\ACQUDATA\msvoa10\data\092221\T8888.D\	Method Blank	RQ2111751-06	9/22/2021	13:16:00	
I:\ACQUDATA\msvoa10\data\092221\T8889.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	13:38:00	
I:\ACQUDATA\msvoa10\data\092221\T8890.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	14:06:00	
I:\ACQUDATA\msvoa10\data\092221\T8891.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	14:28:00	
I:\ACQUDATA\msvoa10\data\092221\T8891.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	14:28:00	
I:\ACQUDATA\msvoa10\data\092221\T8891.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	14:28:00	
I:\ACQUDATA\msvoa10\data\092221\T8892.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	14:50:00	
I:\ACQUDATA\msvoa10\data\092221\T8892.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	14:50:00	
I:\ACQUDATA\msvoa10\data\092221\T8892.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	14:50:00	
I:\ACQUDATA\msvoa10\data\092221\T8893.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	16:35:00	
I:\ACQUDATA\msvoa10\data\092221\T8893.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	16:35:00	
I:\ACQUDATA\msvoa10\data\092221\T8894.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	16:57:00	
I:\ACQUDATA\msvoa10\data\092221\T8895.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	17:19:00	
I:\ACQUDATA\msvoa10\data\092221\T8896.D\	MW-3-091621	R2109635-010	9/22/2021	17:41:00	
I:\ACQUDATA\msvoa10\data\092221\T8897.D\	MP-14-091621	R2109635-012	9/22/2021	18:02:00	
I:\ACQUDATA\msvoa10\data\092221\T8899.D\	MW-24-091621	R2109635-002	9/22/2021	18:46:00	
I:\ACQUDATA\msvoa10\data\092221\T8900.D\	MW-7A-091621	R2109635-009	9/22/2021	19:08:00	
I:\ACQUDATA\msvoa10\data\092221\T8901.D\	MP-6S-091621	R2109635-020	9/22/2021	19:29:00	

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**739615
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092221\T8902.D\	MW-16-091621	R2109635-007	9/22/2021	19:51:00	
I:\ACQUDATA\msvoa10\data\092221\T8904.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	20:35:00	
I:\ACQUDATA\msvoa10\data\092221\T8905.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	20:57:00	
I:\ACQUDATA\msvoa10\data\092221\T8906.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	21:18:00	
I:\ACQUDATA\msvoa10\data\092221\T8907.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	21:40:00	
I:\ACQUDATA\msvoa10\data\092221\T8908.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	22:02:00	
I:\ACQUDATA\msvoa10\data\092221\T8909.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	22:23:00	
I:\ACQUDATA\msvoa10\data\092221\T8910.D\	ZZZZZZZ	ZZZZZZZ	9/22/2021	22:45:00	

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**739766
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092321\T8943.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	10:51:00	
I:\ACQUDATA\msvoa10\data\092321\T8944.D\	Continuing Calibration Verification	RQ2111832-02	9/23/2021	11:24:00	
I:\ACQUDATA\msvoa10\data\092321\T8945.D\	Lab Control Sample	RQ2111832-03	9/23/2021	12:00:00	
I:\ACQUDATA\msvoa10\data\092321\T8946.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	12:22:00	
I:\ACQUDATA\msvoa10\data\092321\T8947.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	12:55:00	
I:\ACQUDATA\msvoa10\data\092321\T8948.D\	Method Blank	RQ2111832-06	9/23/2021	13:23:00	
I:\ACQUDATA\msvoa10\data\092321\T8949.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	13:45:00	
I:\ACQUDATA\msvoa10\data\092321\T8951.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	14:40:00	
I:\ACQUDATA\msvoa10\data\092321\T8952.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	15:01:00	
I:\ACQUDATA\msvoa10\data\092321\T8953.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	15:23:00	
I:\ACQUDATA\msvoa10\data\092321\T8954.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	15:45:00	
I:\ACQUDATA\msvoa10\data\092321\T8955.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	16:07:00	
I:\ACQUDATA\msvoa10\data\092321\T8956.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	16:28:00	
I:\ACQUDATA\msvoa10\data\092321\T8957.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	16:50:00	
I:\ACQUDATA\msvoa10\data\092321\T8958.D\	MP-11-091621	R2109635-001	9/23/2021	17:12:00	
I:\ACQUDATA\msvoa10\data\092321\T8959.D\	MP-6S-091621	R2109635-020	9/23/2021	17:34:00	
I:\ACQUDATA\msvoa10\data\092321\T8960.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	17:56:00	
I:\ACQUDATA\msvoa10\data\092321\T8961.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	18:18:00	
I:\ACQUDATA\msvoa10\data\092321\T8963.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	19:01:00	
I:\ACQUDATA\msvoa10\data\092321\T8964.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	19:23:00	
I:\ACQUDATA\msvoa10\data\092321\T8965.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	19:45:00	
I:\ACQUDATA\msvoa10\data\092321\T8966.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	20:07:00	
I:\ACQUDATA\msvoa10\data\092321\T8967.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	20:29:00	

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method:

Analysis Lot:739766
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092321 \T8968.D\	ZZZZZZZ	ZZZZZZZ	9/23/2021	20:50:00	

Analysis: 8260/624 | Analyst: F. Naegle | pH strips: 205521 | Tune Method: W090221.M | 504.1821.M

Date: 9/23/21 | Balance ID: — | ResCl strips: 102420 | Run Method: ↓

Instr. MS10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 218709 | LIMS Run#: 739766

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	Resid Cl	RL	Tier	Vial	pH	File#	OK?	Comments
1	TUNE								T8943	Y	
1	CCV								44	Y	
2	LCS-UNP								45	Y	
3	LCS-FP								46	Y	
4	LCS-EK								47	Y	
5	MBLK-UNP								48	Y	
6	MBLK-FP								49	Y	
7	R2109831-002	10.0	5/50mL	neg	22669	2	1	(6)	50	(N)	Rpt 1/5
8	↓ -003	5.0	10/50mL	neg	↓	↓	1	(6)	51	Y	
9	R2109833-005	1.0		neg	14885	2	1	(5)	52	Y	
10	| -001	1.0		neg	|	|	1	(7)	53	Y	
11	| -002	1.0		neg	|	|	1	(7)	54	Y	
12	| -003	1.0		neg	|	|	1	(7)	55	Y	
13	↓ -004	1.0		neg	↓	↓	1	(7)	56	Y	
14	R2109571-010	10.0	5/50mL	—	7979	4	1	(6)	57	Y	Dark Matrix
15	R2109635-001	10.0	|	—	|	|	2	(6)	58	Y	↓
16	↓ -020	10.0	↓	—	↓	↓	2	(6)	59	Y	DL
17	R2109831-002	5.0	10/50mL	neg	22669	2	2	(6)	60	Y	
18	R2109499-003	1.0		—	22788	4	1	<2	61	Y	
19	↓ -004	1.0		—	↓	↓	1	<2	62	(N)	Rpt 1/1 CD hit
20	R2109452-004	1.0		—	8043	4	1	<2	63	Y	
21	| -001	1.0		—	|	|	1	<2	64	(Y)	Rpt 1/5
22	| -002	1.0		—	|	|	1	<2	65	(Y)	Rpt 1/20
23	↓ -003	1.0		—	↓	↓	1	<2	66	(Y)	Rpt 1/5
24	R2109744-001	1.0		—	18619	2	1	<2	67	(Y)	Rpt 1/2
25	↓ -002	1.0		—	↓	↓	1	<2	68	Y	
26	R2109452-004MS	1.0		—	8043	4	2	<2	69	(N)	Rpt 1/5
27	↓ -004MSD	1.0		—	↓	↓	3	<2	70	(N)	↓
28	BLK								71	Y	
29	↓								↓ 72	Y	
											FO 9/23/21

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

Surrogate 50 : 219023

Internal Std 50 : 219024

Reagents: —

T/G Primary 500 : 219349 - 5uL / 50mL

HSL Primary : 218923 -

FF Primary : 219026 -

DCC Primary : 218147 - (CCV)

Primary :

FO 9/23/21 219385

FF Secondary 200 : 219105 - 5uL

T/G Secondary 500 : 219170 - 2uL

HSL Secondary : 219368 - ↓

DCC Secondary : 218150 - ↓

EK Secondary 200 : 219058 - 5uL

50mL (LCS)

-12.5uL -5uL ↓ / 50mL (SPK)

Analysis: 8260/624 | Analyst: F. Nagle | pH strips: 205521 | Tune Method: W090221-M/E041821.M

Date: 9/22/21 | Balance ID: — | ResCl strips: 102420 | Run Method: ↓ / ↓

Instr. MS 10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 218709 | LIMS Run#: 739615

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							T8879	Y	
2	↓							80	Y	
3	TUNE							81	(N)	
1	TUNE							82	Y	
1	CCV							83	Y	
2	CCV-EK							84	(N)	NOT NEEDED
3	LCS-UNP							85	Y	
4	LCS-FP							86	Y	
5	LCS-EK							87	Y	
6	MBLK-UNP							88	Y	
7	MBLK-FP		Rosid Cl					89	Y	
8	R2109590-001	1.0	neg	18181	2	1	(6)	90	Y	
9	R2109625-002	1.0	neg	VAR	2	1	(6)	91	Y	*Same as -004, -008
10	-003	10.0	5/5mL neg	↓	↓	1	(6)	92	(Y)	*Same as -005, -009 Rpt 1/250 DL1
11	↓ -005	250.0	↓ → 2/5mL neg	↓	↓	1	(6)	93	Y	↓ ↓
12	R2109703-001	1.0	neg	11851	2	1	(6)	94	Y	
13	↓ -002	1.0	neg	↓	↓	1	(6)	95	Y	
14	R2109635-010	1.0	—	7979	4	1	(7)	96	Y	
15	-012	1.0	—			1	(7)	97	Y	
16	-001	10.0	5/5mL —			1	(7)	98	(N)	*Dark color c/o? Rpt 1/10
17	-002	10.0	↓ —			1	(7)	↓ 99	Y	↓
18	-009	1.0	—			1	(7)	T8900	Y	
19	-020	2.5	20/5mL —			1	(7)	01	(Y)	Rpt 1/10
20	↓ -007	1.0	—	↓	↓	1	(7)	02	Y	
21	BLK							03	Y	
22	R2109508-001	1.0	neg	14838	2	1	<2	04	Y	
23	-002	1.0	neg			1	<2	05	Y	
24	-003	1.0	neg			1	<2	06	Y	
25	-004	1.0	neg			1	<2	07	Y	
26	↓ -005	2.5	20/5mL neg	↓	↓	1	<2	08	Y	
27	R2109590-001MS	1.0	neg	18181	2	2	(6)	09	Y	
28	↓ -001MSD	1.0	neg	↓	↓	3	(6)	↓ 10	Y	

+TICs ↓

FW 9/24/21 219349

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

T/G Primary 500 : ~~218876~~ 5uL/5mL

HSL Primary : 218923 —

Fr Primary : 219026 —

OCC Primary : 218147 —

EK Primary ↓ : 219359 — ↓ (CCV)

Fr Secondary 200 : 219105 — 5uL

T/G Secondary 500 : 219170 — 2uL

HSL Secondary ↓ : 219368 — ↓

OCC Secondary ↓ : 218150 — ↓

EK Secondary 200 : 219058 — 5uL (LCS)

5mL ↓ -12.5uL -5uL ↓ 50mL (SPK)

Surrogate 50 : 219023

Internal Std 50 : 219024

Reagents: —

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 08:45
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-13-091621	**Units:**	ug/L
Lab Code:	R2109635-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 15:49	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 15:49	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 15:49	
Tetrachloroethene (PCE)	**14**		1.0	0.21	1	09/25/21 15:49	
Trichloroethene (TCE)	**0.56**	**J**	1.0	0.20	1	09/25/21 15:49	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 15:49	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/25/21 15:49	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 15:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/25/21 15:49	
Dibromofluoromethane	105	80 - 116	09/25/21 15:49	
Toluene-d8	104	87 - 121	09/25/21 15:49	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 10:45
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-26-091621	**Units:**	ug/L
Lab Code:	R2109635-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 16:11	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 16:11	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 16:11	
Tetrachloroethene (PCE)	**8.0**	1.0	0.21	1	09/25/21 16:11	
Trichloroethene (TCE)	**1.8**	1.0	0.20	1	09/25/21 16:11	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 16:11	
cis-1,2-Dichloroethene	**2.5**	1.0	0.23	1	09/25/21 16:11	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 16:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/25/21 16:11	
Dibromofluoromethane	107	80 - 116	09/25/21 16:11	
Toluene-d8	107	87 - 121	09/25/21 16:11	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 10:30
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-22-091621	**Units:**	ug/L
Lab Code:	R2109635-005	**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	09/25/21 16:33	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 16:33	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 16:33	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 16:33	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 16:33	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 16:33	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 16:33	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 16:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/25/21 16:33	
Dibromofluoromethane	101	80 - 116	09/25/21 16:33	
Toluene-d8	104	87 - 121	09/25/21 16:33	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 10:50
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	FB-091621	**Units:**	ug/L
Lab Code:	R2109635-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 15:05	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 15:05	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 15:05	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 15:05	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 15:05	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 15:05	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 15:05	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 15:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 15:05	
Dibromofluoromethane	105	80 - 116	09/25/21 15:05	
Toluene-d8	107	87 - 121	09/25/21 15:05	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	Trip Blank-091621	**Units:**	ug/L
Lab Code:	R2109635-008	**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)	1.0 U	1.0	0.20	1	09/25/21 14:44	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 14:44	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 14:44	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 14:44	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 14:44	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 14:44	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 14:44	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 14:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/25/21 14:44	
Dibromofluoromethane	106	80 - 116	09/25/21 14:44	
Toluene-d8	106	87 - 121	09/25/21 14:44	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 12:00
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-17-091621	**Units:**	ug/L
Lab Code:	R2109635-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 16:55	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 16:55	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 16:55	
Tetrachloroethene (PCE)	**0.76 J**	1.0	0.21	1	09/25/21 16:55	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 16:55	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 16:55	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 16:55	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 16:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/25/21 16:55	
Dibromofluoromethane	104	80 - 116	09/25/21 16:55	
Toluene-d8	106	87 - 121	09/25/21 16:55	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 13:50
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-38-091621	**Units:**	ug/L
Lab Code:	R2109635-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 19:49	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 19:49	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 19:49	
Tetrachloroethene (PCE)	**74**	1.0	0.21	1	09/25/21 19:49	
Trichloroethene (TCE)	**6.2**	1.0	0.20	1	09/25/21 19:49	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 19:49	
cis-1,2-Dichloroethene	**3.2**	1.0	0.23	1	09/25/21 19:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 19:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/25/21 19:49	
Dibromofluoromethane	101	80 - 116	09/25/21 19:49	
Toluene-d8	104	87 - 121	09/25/21 19:49	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 13:55
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-2-091621	**Units:**	ug/L
Lab Code:	R2109635-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 17:16	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 17:16	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 17:16	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 17:16	
Trichloroethene (TCE)	**2.8**	1.0	0.20	1	09/25/21 17:16	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 17:16	
cis-1,2-Dichloroethene	**3.2**	1.0	0.23	1	09/25/21 17:16	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 17:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/25/21 17:16	
Dibromofluoromethane	102	80 - 116	09/25/21 17:16	
Toluene-d8	104	87 - 121	09/25/21 17:16	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 15:50
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-6D-091621	**Units:**	ug/L
Lab Code:	R2109635-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 17:38	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 17:38	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 17:38	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 17:38	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 17:38	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 17:38	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 17:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 17:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/25/21 17:38	
Dibromofluoromethane	102	80 - 116	09/25/21 17:38	
Toluene-d8	101	87 - 121	09/25/21 17:38	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 11:45
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MW-31-091621	**Units:**	ug/L
Lab Code:	R2109635-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 18:00	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 18:00	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 18:00	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/25/21 18:00	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/25/21 18:00	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 18:00	
cis-1,2-Dichloroethene	**0.47**	**J**	1.0	0.23	1	09/25/21 18:00	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 18:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/25/21 18:00	
Dibromofluoromethane	103	80 - 116	09/25/21 18:00	
Toluene-d8	108	87 - 121	09/25/21 18:00	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/21 16:20
Sample Matrix:	Water	**Date Received:**	09/17/21 08:05
Sample Name:	MP-8S-091621	**Units:**	ug/L
Lab Code:	R2109635-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 18:22	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 18:22	
1,1-Dichloroethene (1,1-DCE)	**0.40**	**J**	1.0	0.20	1	09/25/21 18:22	
Tetrachloroethene (PCE)	**16**		1.0	0.21	1	09/25/21 18:22	
Trichloroethene (TCE)	**28**		1.0	0.20	1	09/25/21 18:22	
Vinyl Chloride	**0.62**	**J**	1.0	0.20	1	09/25/21 18:22	
cis-1,2-Dichloroethene	**71**		1.0	0.23	1	09/25/21 18:22	
trans-1,2-Dichloroethene	**3.7**		1.0	0.20	1	09/25/21 18:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/25/21 18:22	
Dibromofluoromethane	101	80 - 116	09/25/21 18:22	
Toluene-d8	103	87 - 121	09/25/21 18:22	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/21 08:15
Sample Matrix:	Water	**Date Received:**	09/18/21 09:15
Sample Name:	MP-8D-091721	**Units:**	ug/L
Lab Code:	R2109635-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 18:44	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 18:44	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 18:44	
Tetrachloroethene (PCE)	**0.85**	**J**	1.0	0.21	1	09/25/21 18:44	
Trichloroethene (TCE)	**0.24**	**J**	1.0	0.20	1	09/25/21 18:44	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 18:44	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/25/21 18:44	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 18:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/25/21 18:44	
Dibromofluoromethane	103	80 - 116	09/25/21 18:44	
Toluene-d8	102	87 - 121	09/25/21 18:44	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/21 08:30
Sample Matrix:	Water	**Date Received:**	09/18/21 09:15
Sample Name:	FB-091721	**Units:**	ug/L
Lab Code:	R2109635-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/25/21 15:27	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/25/21 15:27	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/25/21 15:27	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/25/21 15:27	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/25/21 15:27	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/25/21 15:27	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/25/21 15:27	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/25/21 15:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/25/21 15:27	
Dibromofluoromethane	104	80 - 116	09/25/21 15:27	
Toluene-d8	102	87 - 121	09/25/21 15:27	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/21 11:45
Sample Matrix:	Water	**Date Received:**	09/18/21 09:15
Sample Name:	MW-27-091521	**Units:**	ug/L
Lab Code:	R2109635-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 19:06	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 19:06	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 19:06	
Tetrachloroethene (PCE)	**0.65**	**J**	1.0	0.21	1	09/25/21 19:06	
Trichloroethene (TCE)	**1.5**		1.0	0.20	1	09/25/21 19:06	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 19:06	
cis-1,2-Dichloroethene	**16**		1.0	0.23	1	09/25/21 19:06	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 19:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/25/21 19:06	
Dibromofluoromethane	104	80 - 116	09/25/21 19:06	
Toluene-d8	106	87 - 121	09/25/21 19:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2109635
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/21 09:05
Sample Matrix:	Water	**Date Received:**	09/18/21 09:15
Sample Name:	MP-3D-091721	**Units:**	ug/L
Lab Code:	R2109635-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/25/21 19:27	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/25/21 19:27	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/25/21 19:27	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/25/21 19:27	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/25/21 19:27	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/25/21 19:27	
cis-1,2-Dichloroethene	**0.53**	**J**	1.0	0.23	1	09/25/21 19:27	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/25/21 19:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/25/21 19:27	
Dibromofluoromethane	103	80 - 116	09/25/21 19:27	
Toluene-d8	104	87 - 121	09/25/21 19:27	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9077.D
Acq On : 25 Sep 2021 3:49 pm
Operator : F.NAEGLER
Sample : R2109635-003|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 27 16:28:18 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

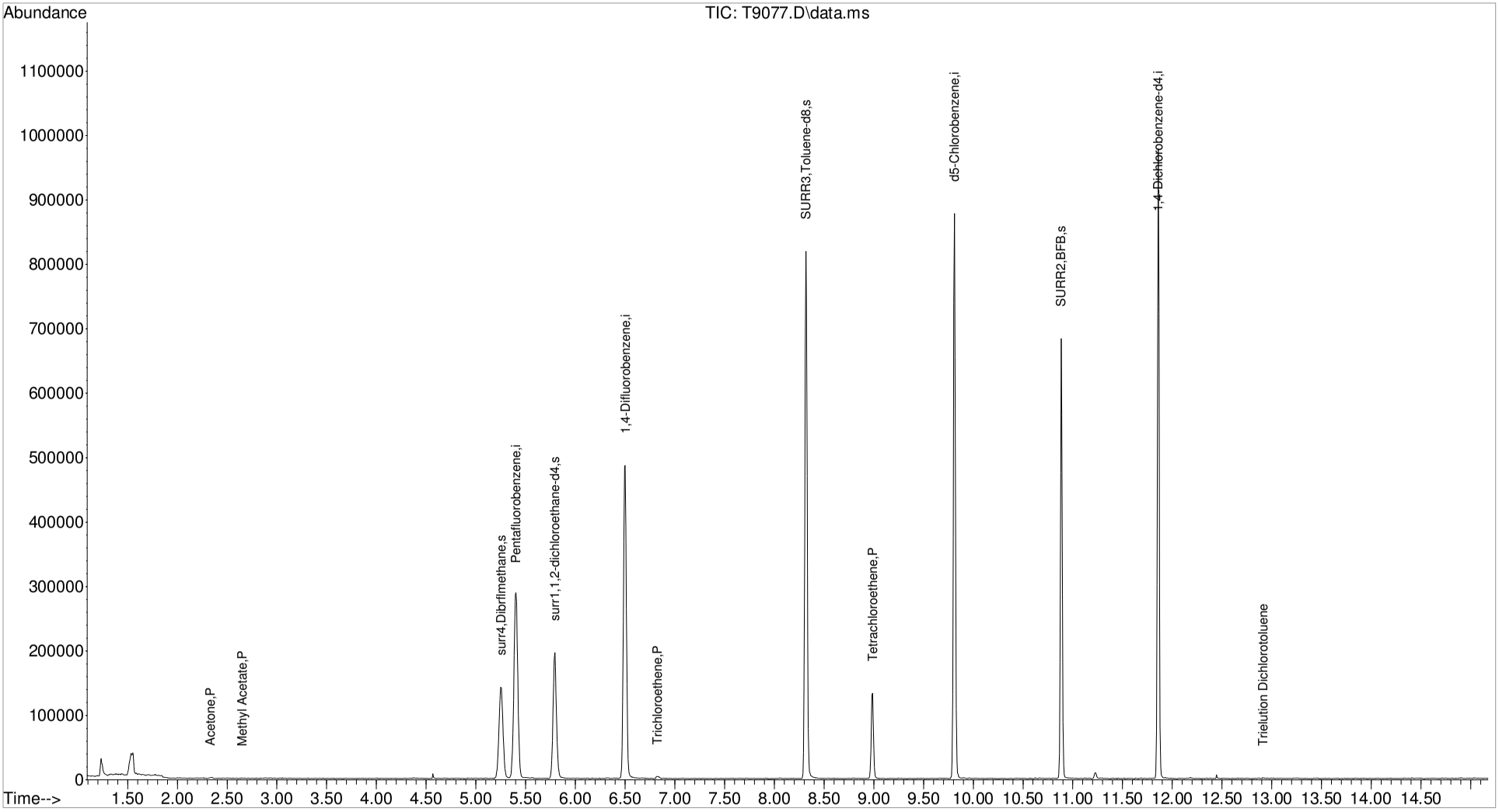
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	271718	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.501	114	419628	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	382478	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	181225	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	122658	52.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.72%			
46) surr1,1,2-dichloroetha...	5.793	65	159068	52.34	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.68%			
64) SURR3,Toluene-d8	8.317	98	493851	52.17	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.34%			
69) SURR2,BFB	10.884	95	170818	48.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.24%			
Target Compounds						Qvalue
15) Acetone	2.331	43	1495	1.19	ug/L	95
21) Methyl Acetate	2.648	43	612	0.20	ug/L	65
53) Trichloroethene	6.824	130	1377	0.56	ug/L #	85
71) Tetrachloroethene	8.988	164	25079	14.43	ug/L	91
111) Trielution Dichlorotol...	12.908	125	938	0.26	ug/L #	59

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

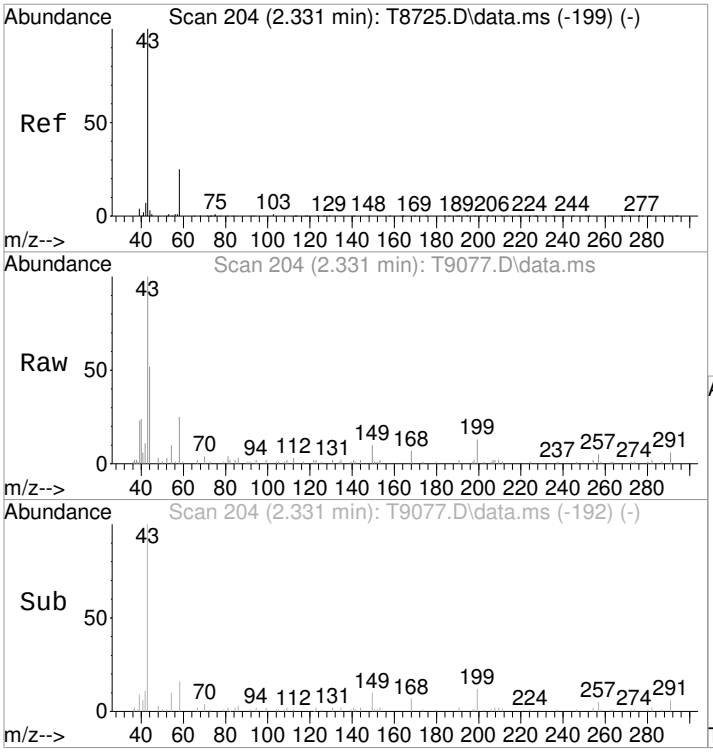
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9077.D
Acq On : 25 Sep 2021 3:49 pm
Operator : F.NAEGLER
Sample : R2109635-003|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 27 16:28:18 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



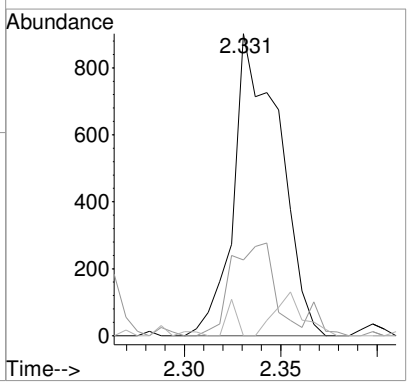
1st FJ 09/27/21
2nd 09/27/21

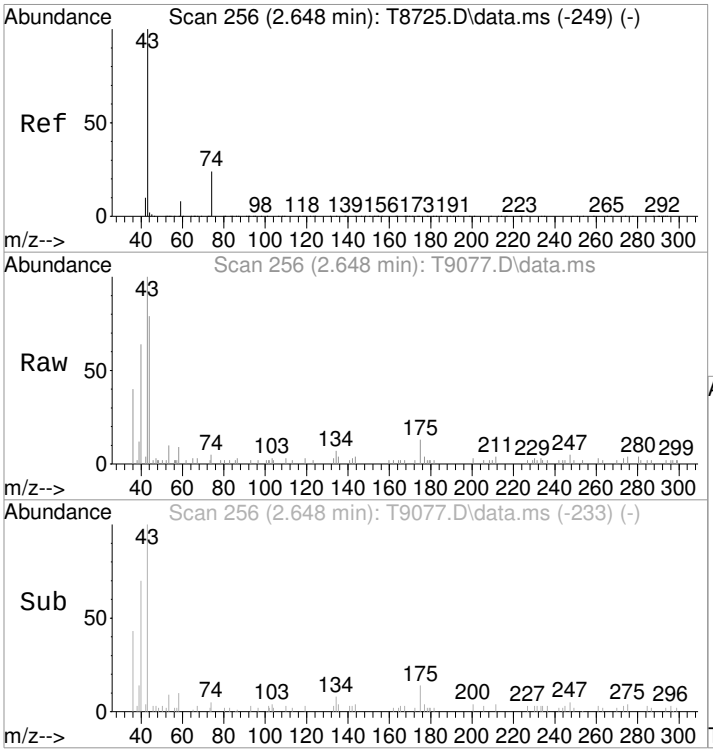


#15
Acetone
Concen: 1.19 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: T9077.D
Acq: 25 Sep 2021 3:49 pm

Tgt Ion: 43 Resp: 1495

Ion	Ratio	Lower	Upper
43	100		
58	25.1	4.9	44.9
42	0.0	0.0	27.1

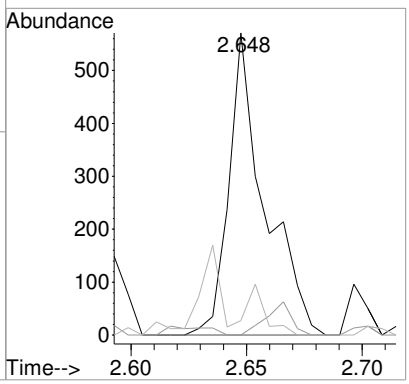


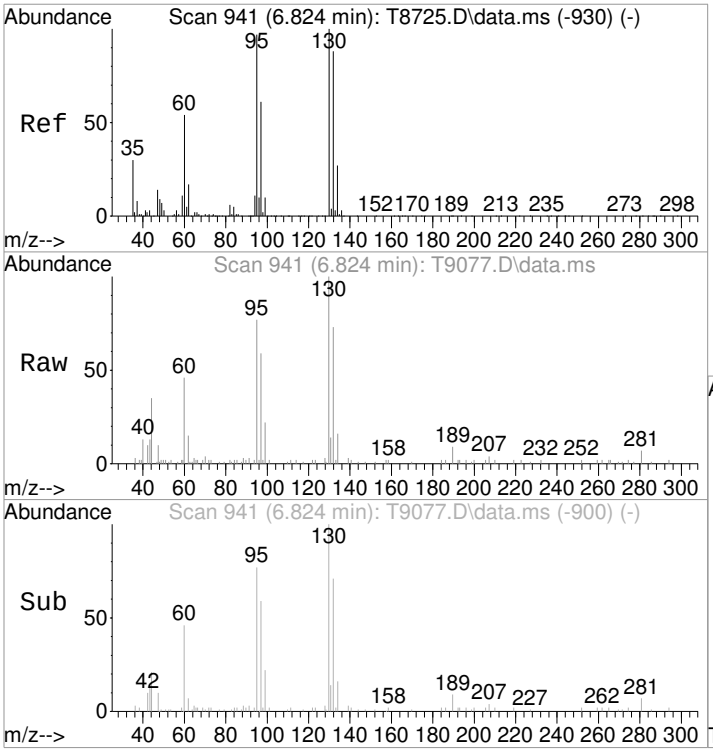


#21
Methyl Acetate
Concen: 0.20 ug/L
RT: 2.648 min Scan# 256
Delta R.T. 0.000 min
Lab File: T9077.D
Acq: 25 Sep 2021 3:49 pm

Tgt Ion: 43 Resp: 612

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	4.7	4.4	44.4

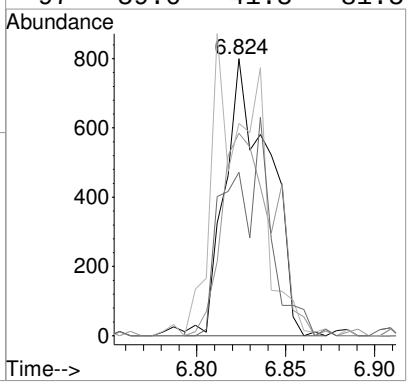


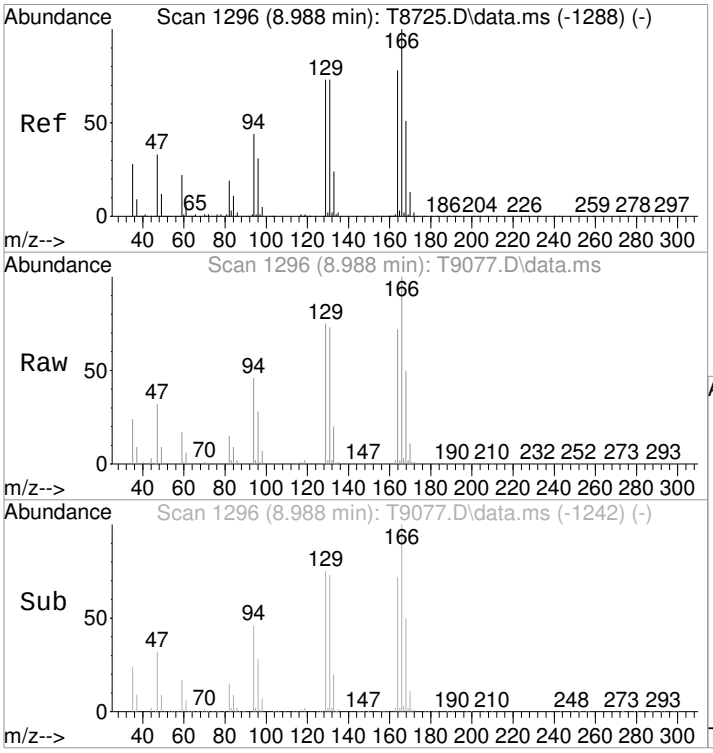


#53
Trichloroethene
Concen: 0.56 ug/L
RT: 6.824 min Scan# 941
Delta R.T. 0.000 min
Lab File: T9077.D
Acq: 25 Sep 2021 3:49 pm

Tgt Ion:130 Resp: 1377

Ion	Ratio	Lower	Upper
130	100		
132	73.1	68.5	108.5
95	76.6	76.7	116.7#
97	59.0	41.5	81.5

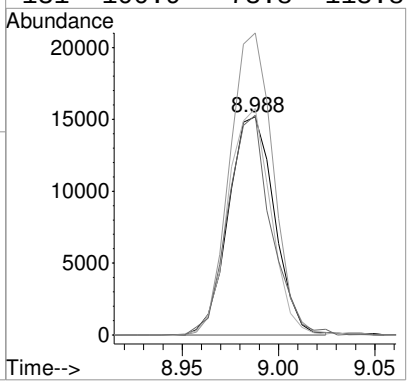


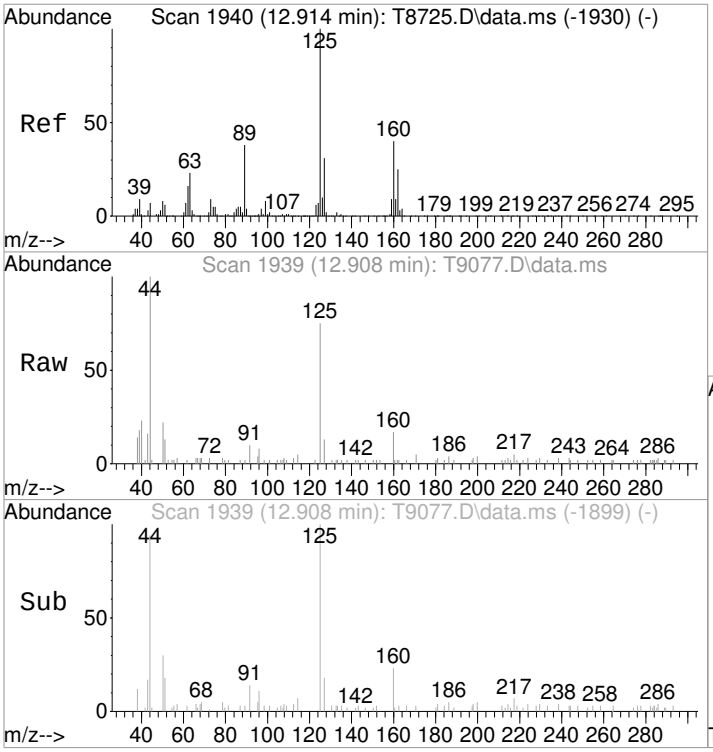


#71
Tetrachloroethene
Concen: 14.43 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. 0.000 min
Lab File: T9077.D
Acq: 25 Sep 2021 3:49 pm

Tgt Ion:164 Resp: 25079

Ion	Ratio	Lower	Upper
164	100		
166	138.5	108.5	148.5
129	103.8	73.7	113.7
131	100.9	73.8	113.8

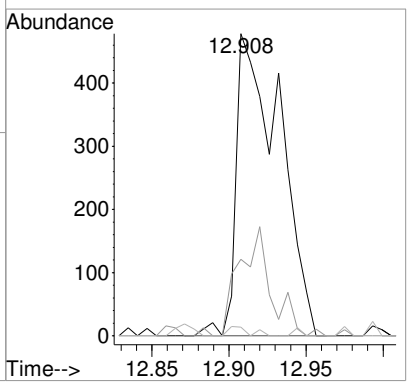




#111
Trielution Dichlorotoluene
Concen: 0.26 ug/L
RT: 12.908 min Scan# 1939
Delta R.T. -0.006 min
Lab File: T9077.D
Acq: 25 Sep 2021 3:49 pm

Tgt Ion:125 Resp: 938

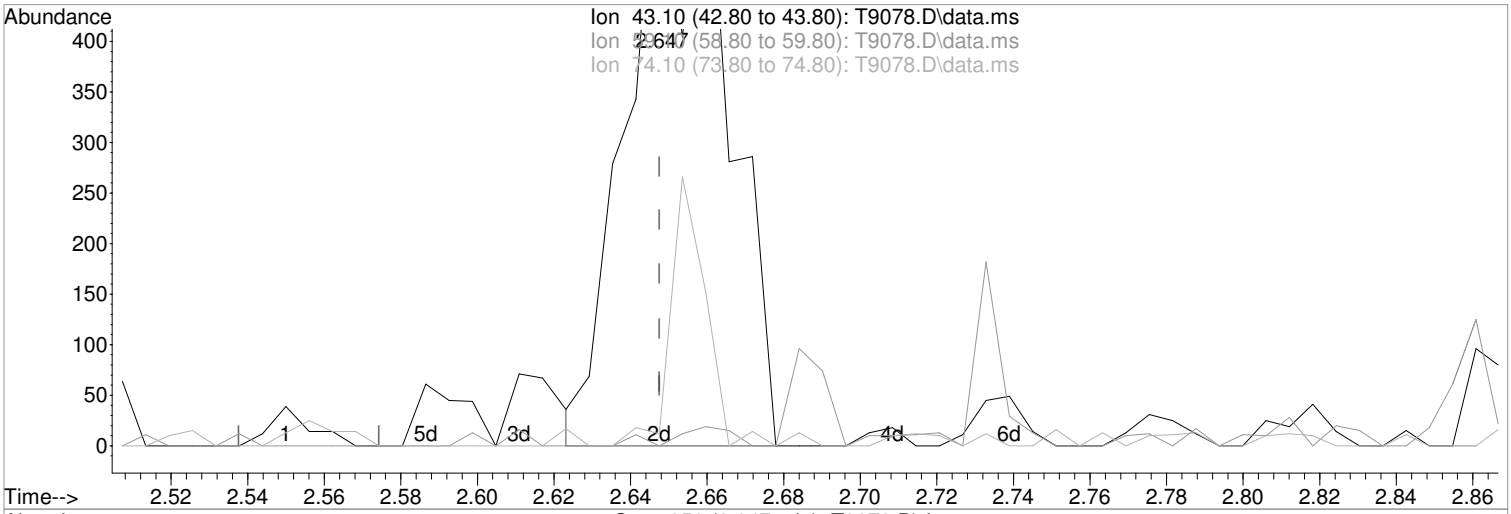
Ion	Ratio	Lower	Upper
125	100		
160	25.3	19.9	59.9
89	2.9	18.2	58.2#

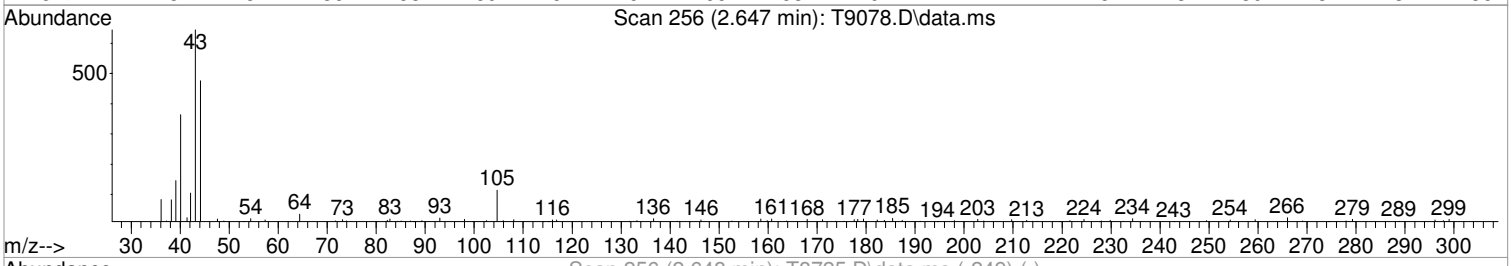


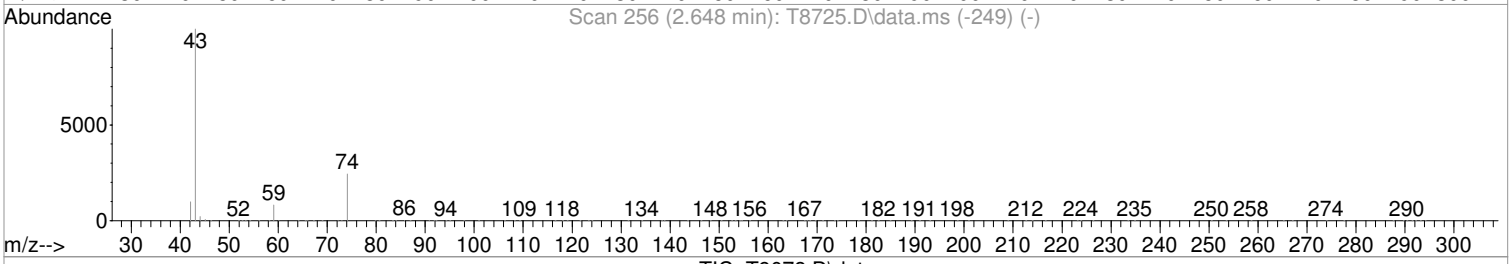
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9078.D
Acq On : 25 Sep 2021 4:11 pm
Operator : F.NAEGLER
Sample : R2109635-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 25 18:43:41 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9078.D\data.ms

(21) Methyl Acetate (P)

2.647min (-0.000) 0.37 ug/L m

response 1075

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	1.86#
0.00	0.00	0.00

Manual Integration:

After

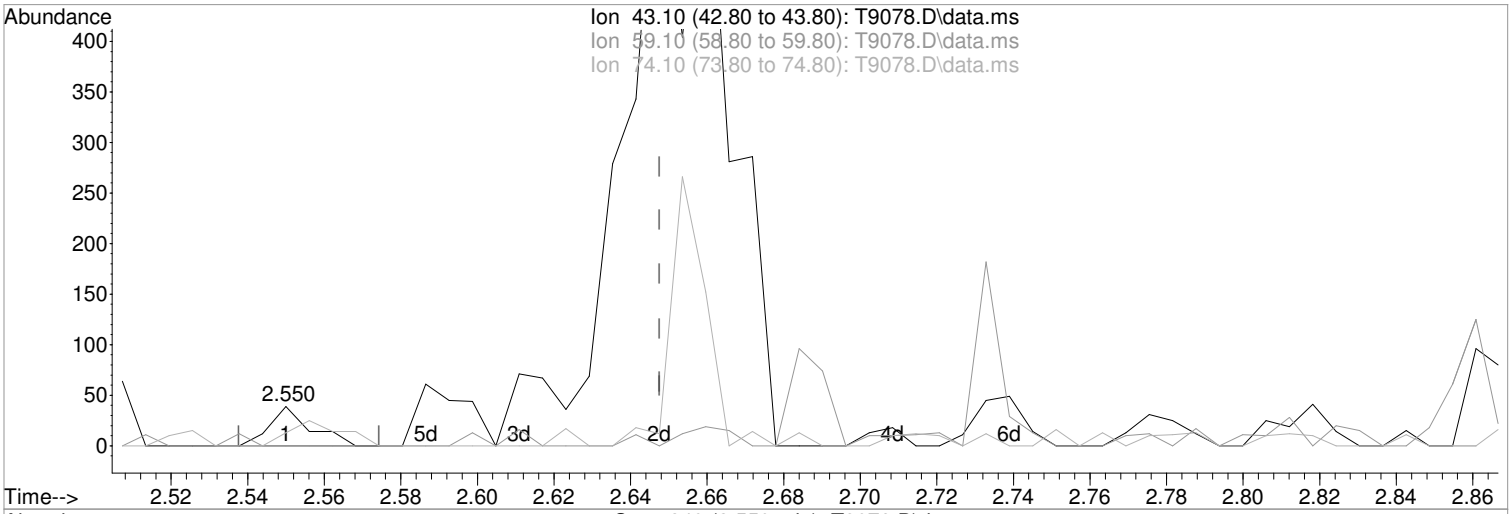
Peak not found.

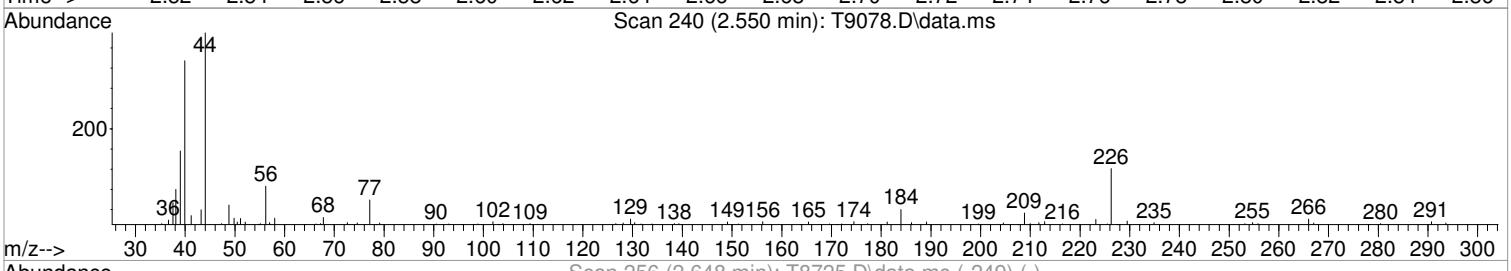
09/27/21

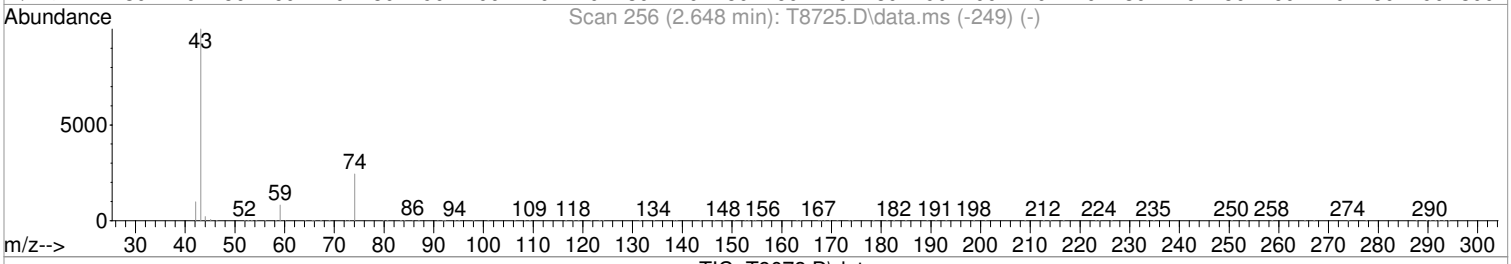
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9078.D
Acq On : 25 Sep 2021 4:11 pm
Operator : F.NAEGLER
Sample : R2109635-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 25 18:43:41 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9078.D\data.ms

(21) Methyl Acetate (P)

2.550min (-0.098) 0.01 ug/L

response 29

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	33.33
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9078.D
Acq On : 25 Sep 2021 4:11 pm
Operator : F.NAEGLER
Sample : R2109635-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 27 16:30:53 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

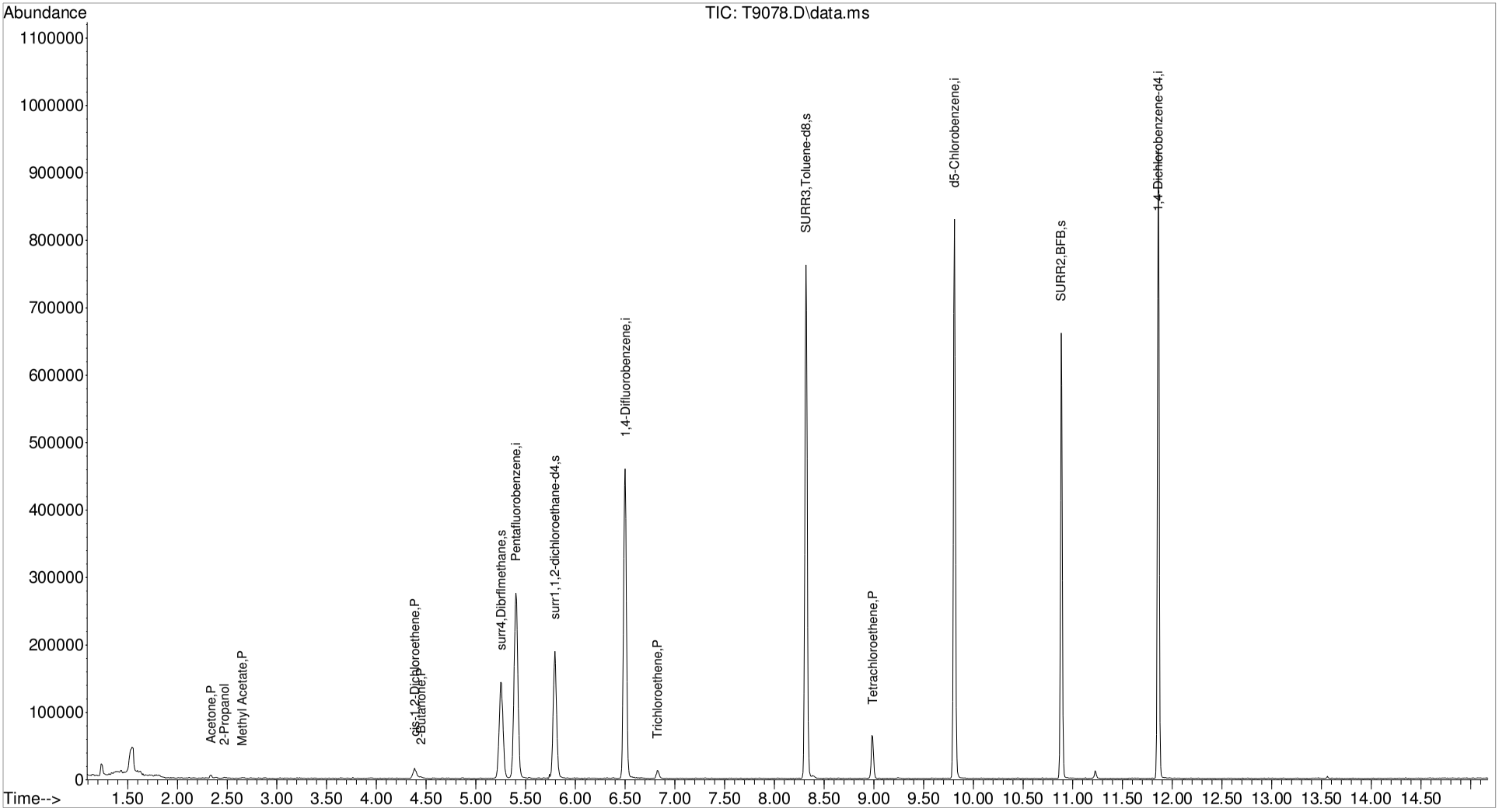
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	258716	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	389394	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	356628	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	171194	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	116209	53.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.90%			
46) surr1,1,2-dichloroetha...	5.793	65	153296	54.36	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 108.72%			
64) SURR3,Toluene-d8	8.317	98	470347	53.54	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 107.08%			
69) SURR2,BFB	10.884	95	164383	50.42	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.84%			
Target Compounds						Qvalue
15) Acetone	2.337	43	4952	4.13	ug/L	97
16) 2-Propanol	2.471	45	1091	4.29	ug/L	91
21) Methyl Acetate	2.647	43	1075m	0.37	ug/L	
33) cis-1,2-Dichloroethene	4.385	96	6761	2.54	ug/L	100
34) 2-Butanone	4.446	43	3991	2.29	ug/L	96
53) Trichloroethene	6.823	130	4046	1.79	ug/L #	82
71) Tetrachloroethene	8.988	164	12913	7.97	ug/L	97

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

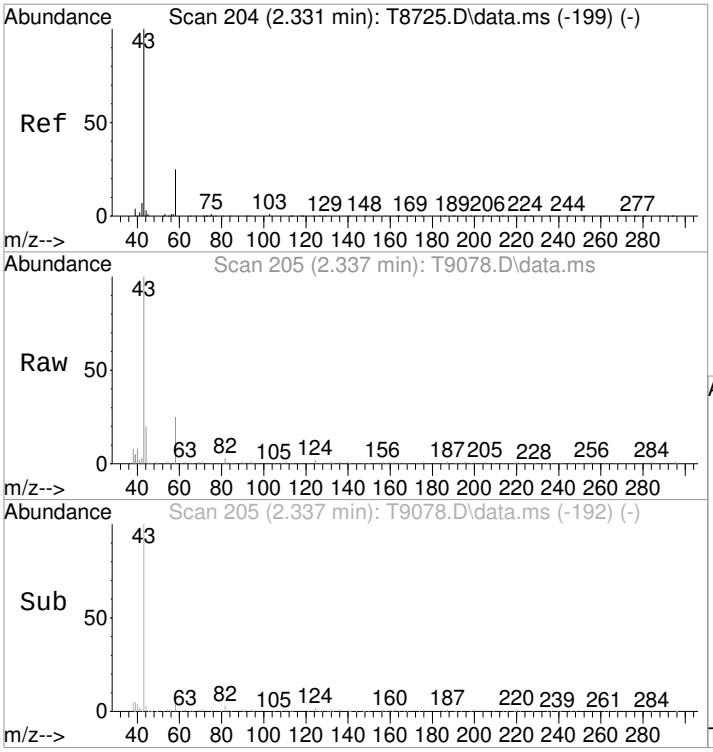
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9078.D
Acq On : 25 Sep 2021 4:11 pm
Operator : F.NAEGLER
Sample : R2109635-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 27 16:30:53 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



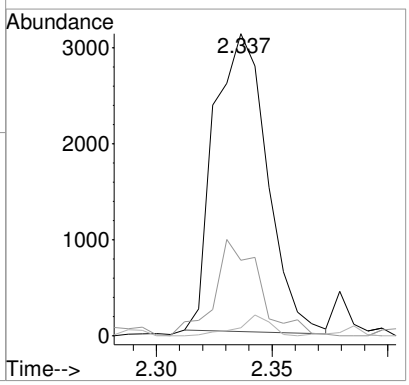
1st 09/27/21
2nd 09/27/21

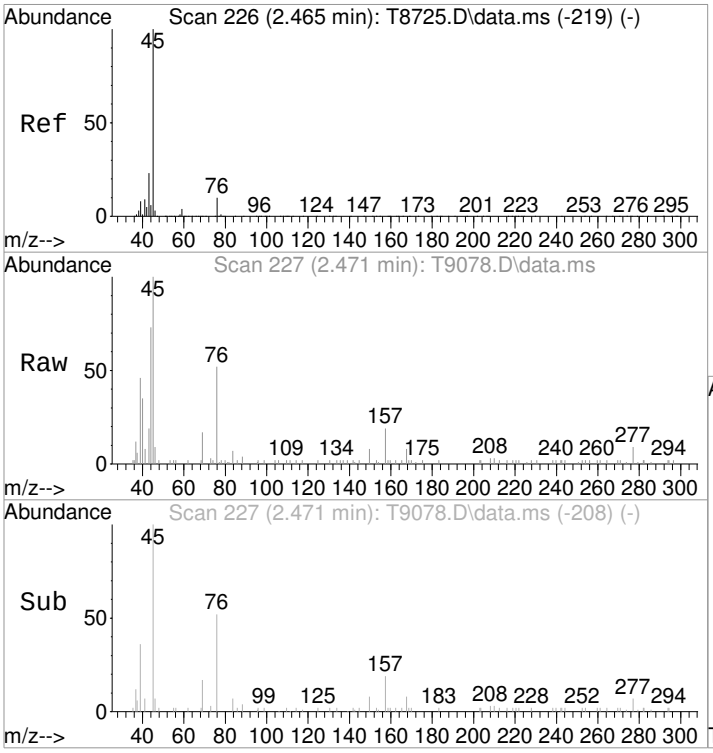


#15
Acetone
Concen: 4.13 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9078.D
Acq: 25 Sep 2021 4:11 pm

Tgt Ion: 43 Resp: 4952

Ion	Ratio	Lower	Upper
43	100		
58	24.9	4.9	44.9
42	2.6	0.0	27.1

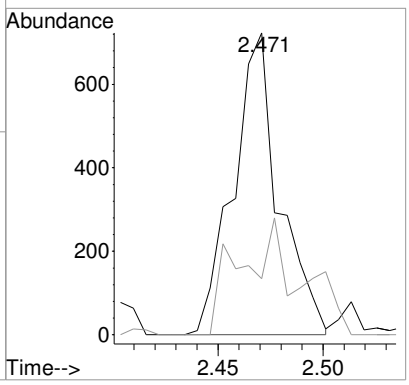


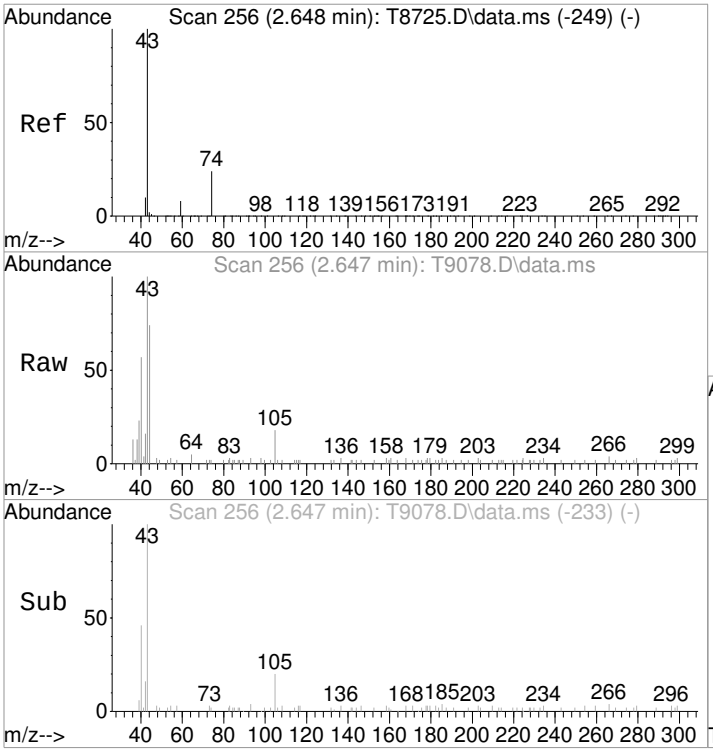


#16
2-Propanol
Concen: 4.29 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T9078.D
Acq: 25 Sep 2021 4:11 pm

Tgt Ion: 45 Resp: 1091

Ion	Ratio	Lower	Upper
45	100		
43	18.5	2.8	42.8

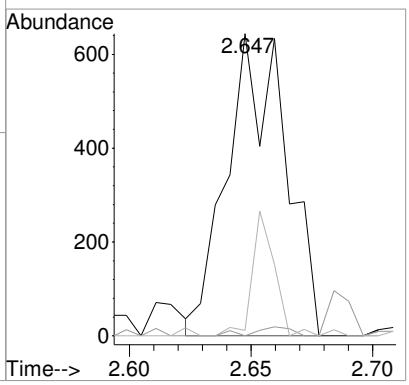


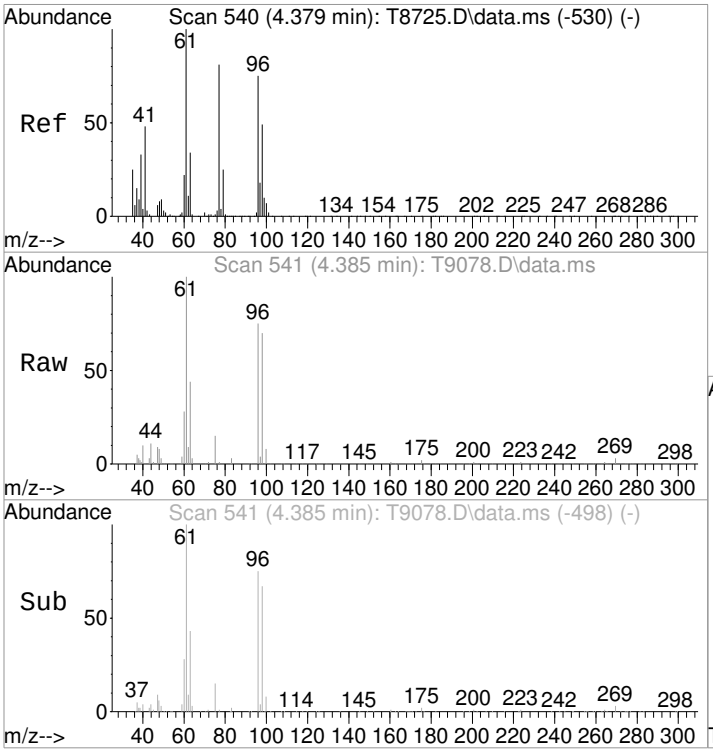


#21
Methyl Acetate
Concen: 0.37 ug/L m
RT: 2.647 min Scan# 256
Delta R.T. -0.000 min
Lab File: T9078.D
Acq: 25 Sep 2021 4:11 pm

Tgt Ion: 43 Resp: 1075

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	1.9	4.4	44.4#

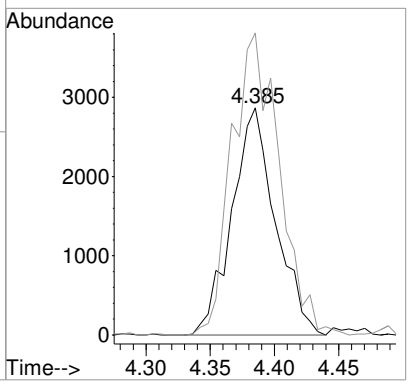


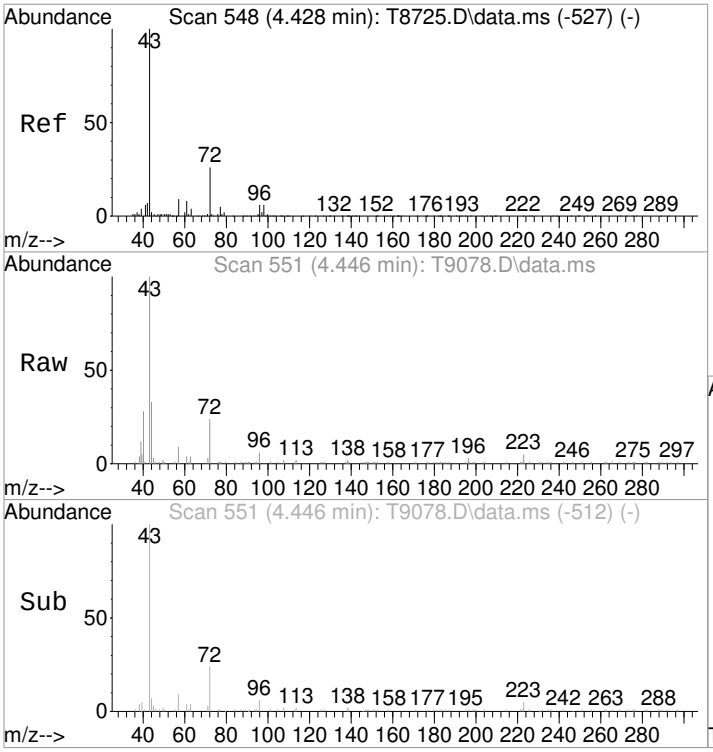


#33
cis-1,2-Dichloroethene
Concen: 2.54 ug/L
RT: 4.385 min Scan# 541
Delta R.T. 0.006 min
Lab File: T9078.D
Acq: 25 Sep 2021 4:11 pm

Tgt Ion: 96 Resp: 6761

Ion	Ratio	Lower	Upper
96	100		
61	132.9	113.1	153.1

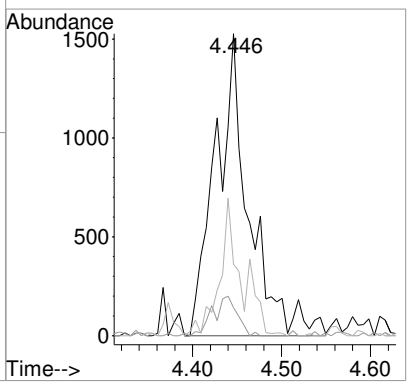


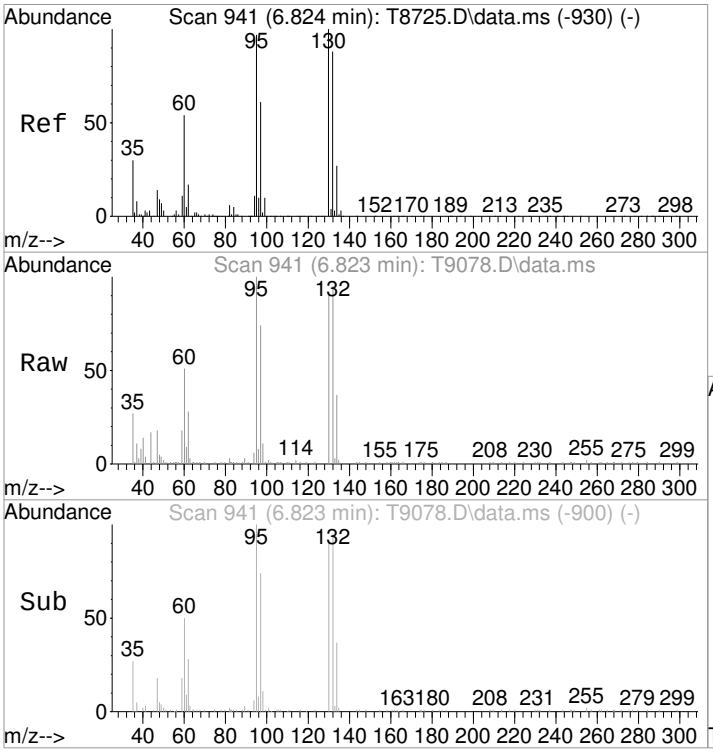


#34
2-Butanone
Concen: 2.29 ug/L
RT: 4.446 min Scan# 551
Delta R.T. 0.018 min
Lab File: T9078.D
Acq: 25 Sep 2021 4:11 pm

Tgt Ion: 43 Resp: 3991

Ion	Ratio	Lower	Upper
43	100		
57	9.2	0.0	28.5
72	23.7	6.2	46.2

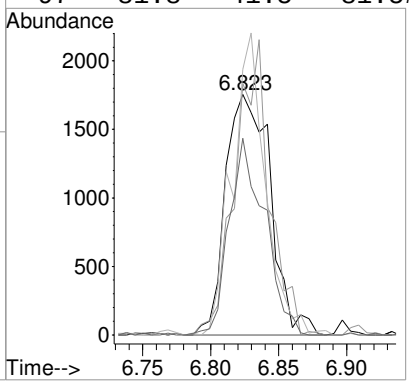


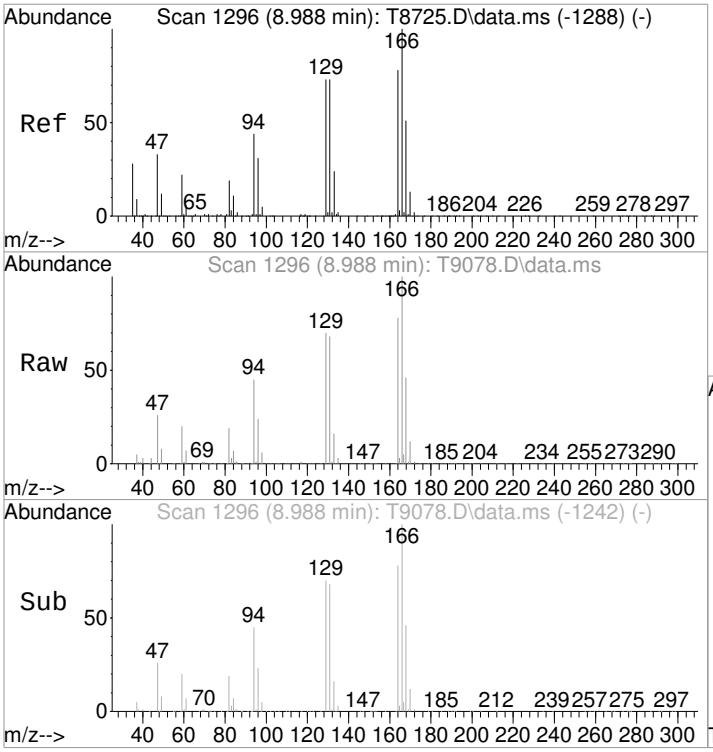


#53
Trichloroethene
Concen: 1.79 ug/L
RT: 6.823 min Scan# 941
Delta R.T. -0.000 min
Lab File: T9078.D
Acq: 25 Sep 2021 4:11 pm

Tgt Ion:130 Resp: 4046

Ion	Ratio	Lower	Upper
130	100		
132	104.6	68.5	108.5
95	110.4	76.7	116.7
97	81.8	41.5	81.5#

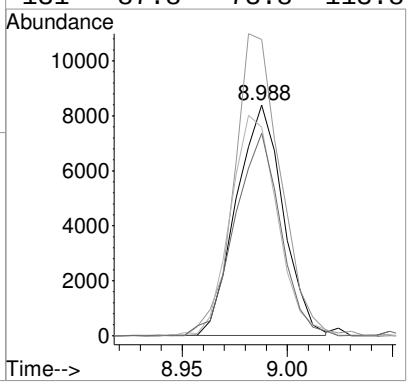




#71
Tetrachloroethene
Concen: 7.97 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. -0.000 min
Lab File: T9078.D
Acq: 25 Sep 2021 4:11 pm

Tgt Ion:164 Resp: 12913

Ion	Ratio	Lower	Upper
164	100		
166	128.4	108.5	148.5
129	90.4	73.7	113.7
131	87.8	73.8	113.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9079.D
Acq On : 25 Sep 2021 4:33 pm
Operator : F.NAEGLER
Sample : R2109635-005|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 27 16:32:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

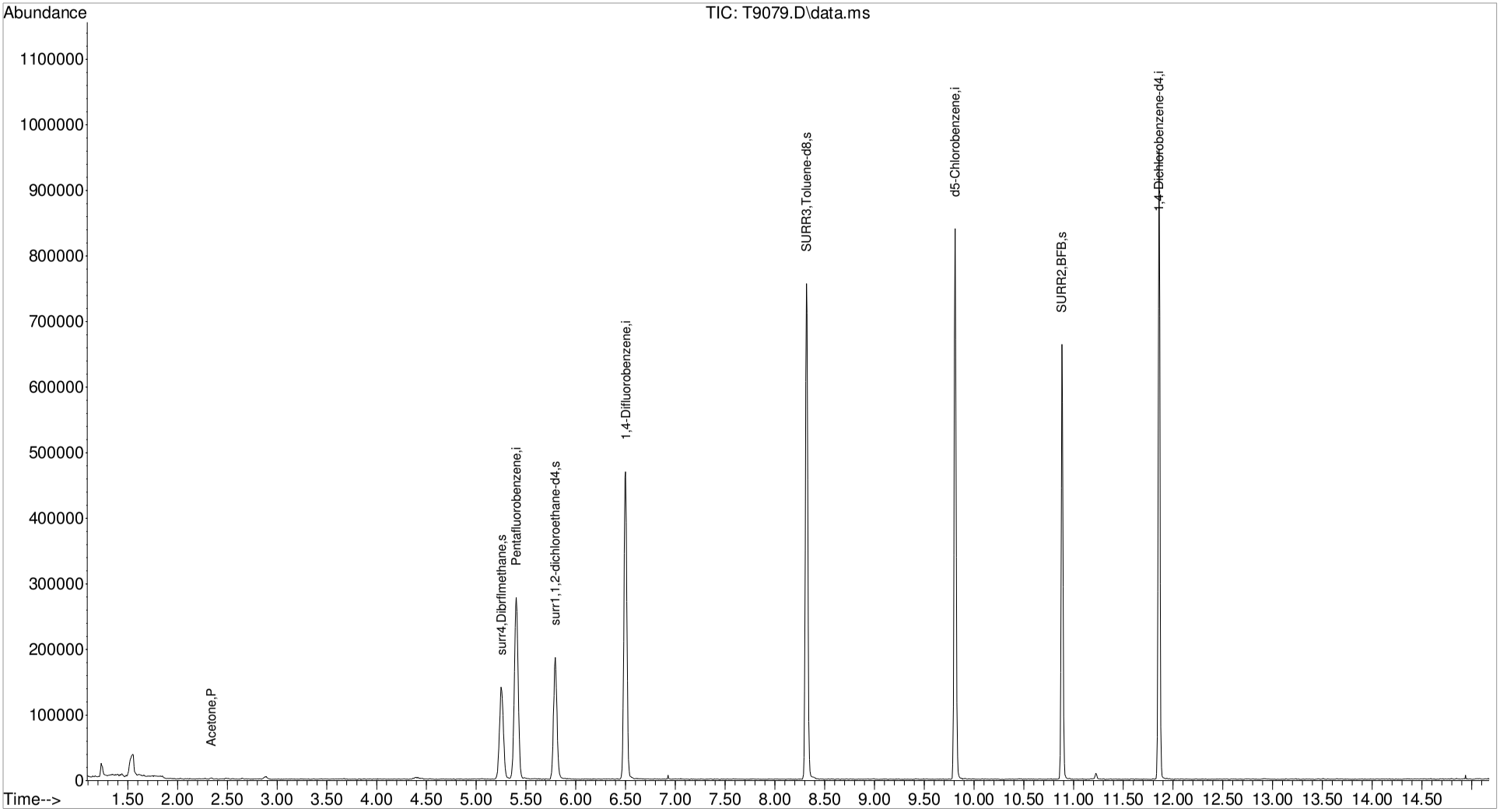
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	253799	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	406181	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	364573	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	179125	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.250	113	114675	50.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.14%			
46) surr1,1,2-dichloroetha...	5.793	65	153518	52.19	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.38%			
64) SURR3,Toluene-d8	8.317	98	476708	52.02	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.04%			
69) SURR2,BFB	10.884	95	166829	49.05	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.10%			
Target Compounds						Qvalue
15) Acetone	2.336	43	1625	1.38	ug/L	86

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

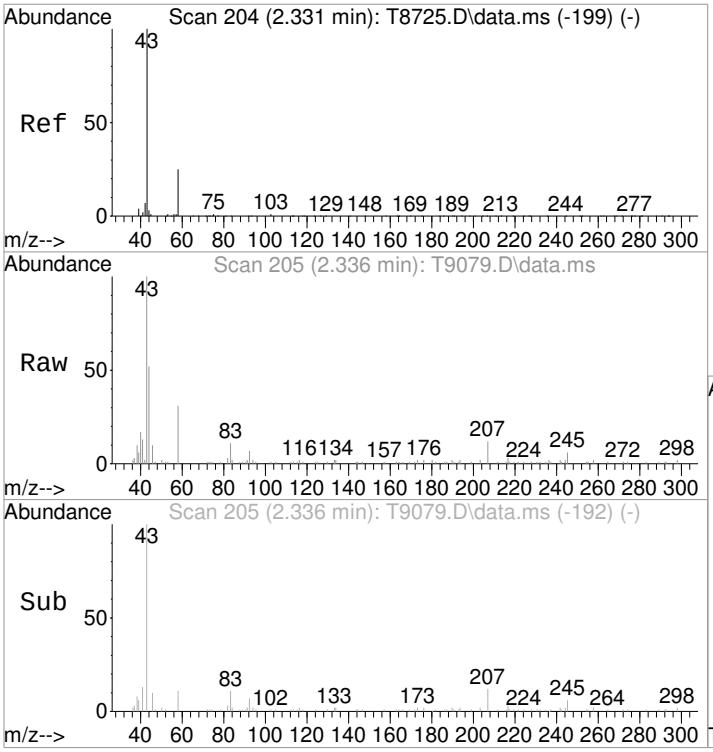
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9079.D
Acq On : 25 Sep 2021 4:33 pm
Operator : F.NAEGLER
Sample : R2109635-005|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 27 16:32:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



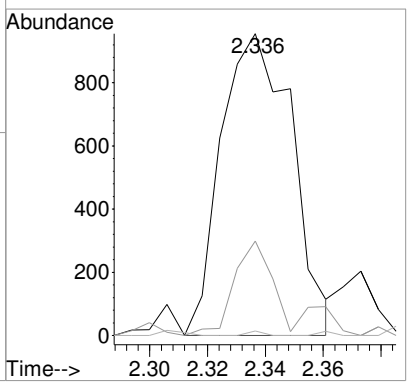
1st FJ 09/27/21
2nd 09/27/21



#15
Acetone
Concen: 1.38 ug/L
RT: 2.336 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9079.D
Acq: 25 Sep 2021 4:33 pm

Tgt Ion: 43 Resp: 1625

Ion	Ratio	Lower	Upper
43	100		
58	31.3	4.9	44.9
42	1.6	0.0	27.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9075.D
Acq On : 25 Sep 2021 3:05 pm
Operator : F.NAEGLER
Sample : R2109635-006|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 27 16:25:29 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

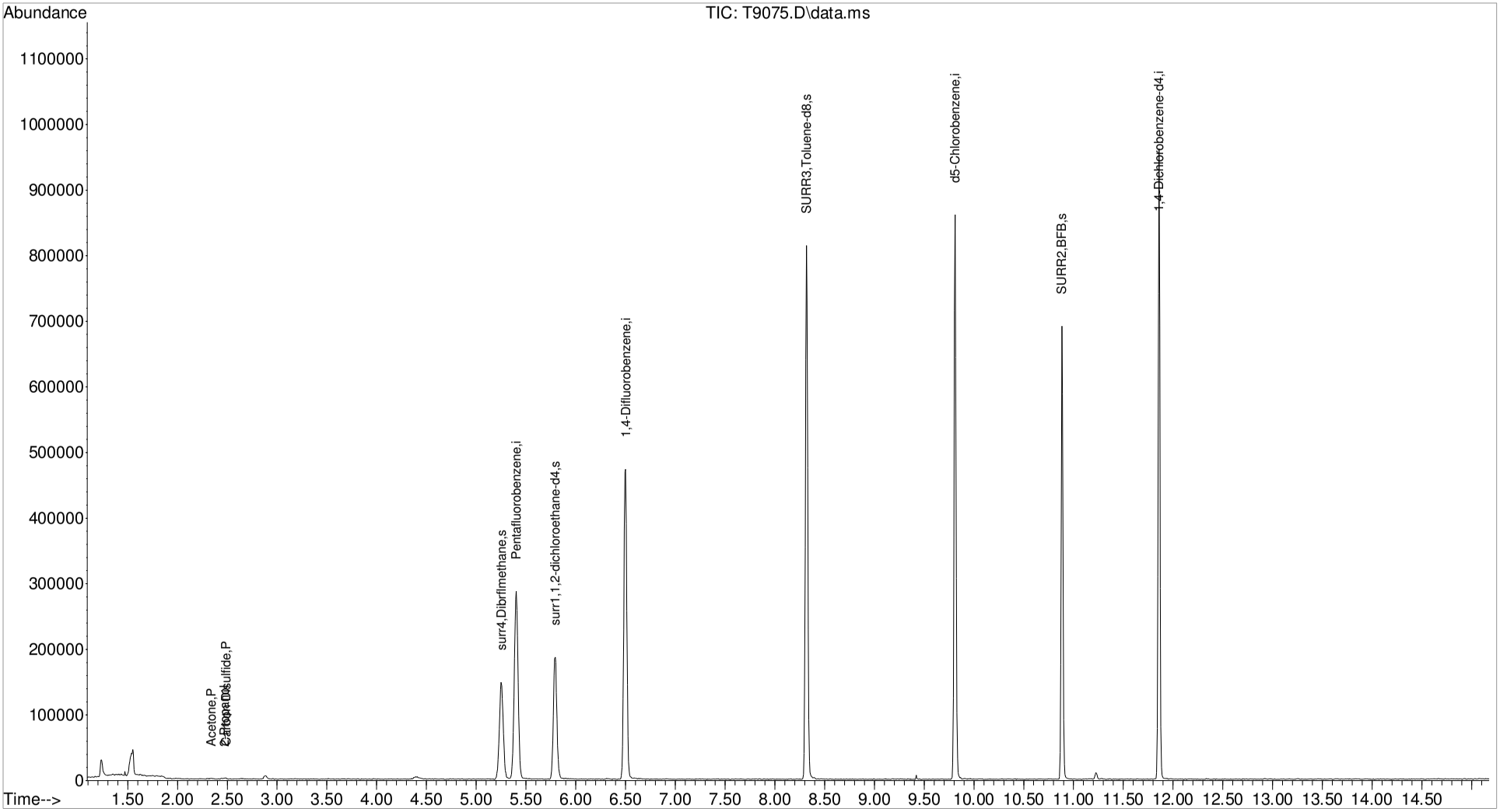
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	265857	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	415183	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	364898	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	179163	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	121786	52.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 105.08%			
46) surr1,1,2-dichloroetha...	5.793	65	161356	53.66	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.32%			
64) SURR3,Toluene-d8	8.317	98	498838	53.26	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 106.52%			
69) SURR2,BFB	10.884	95	172352	49.58	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.16%			
Target Compounds						Qvalue
15) Acetone	2.337	43	1354	1.10	ug/L #	58
16) 2-Propanol	2.471	45	959	3.67	ug/L #	53
18) Carbon Disulfide	2.489	76	1505	0.30	ug/L	83

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

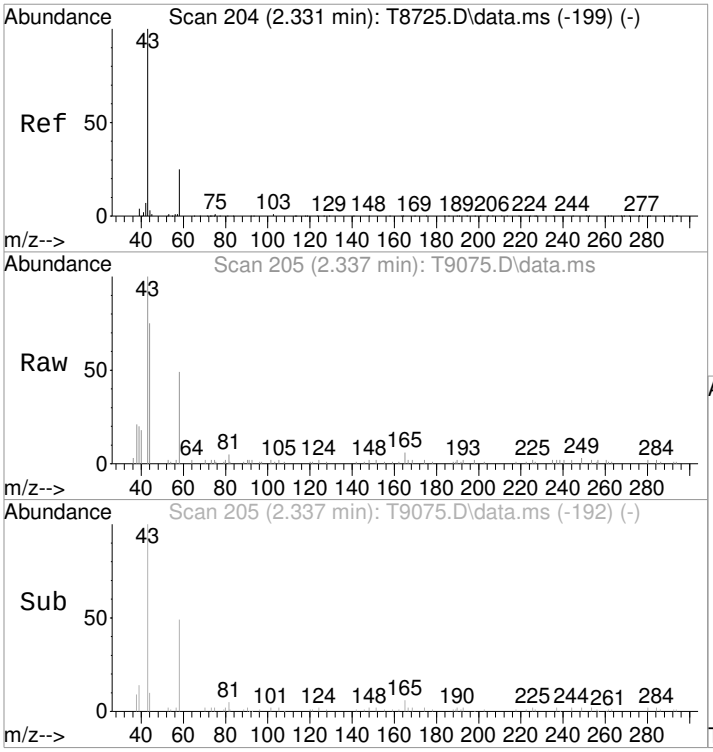
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9075.D
Acq On : 25 Sep 2021 3:05 pm
Operator : F.NAEGLER
Sample : R2109635-006|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 27 16:25:29 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



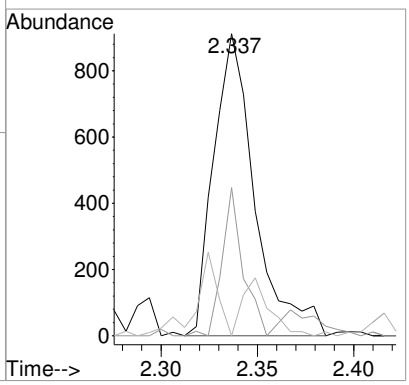
1st 09/27/21
2nd 09/27/21

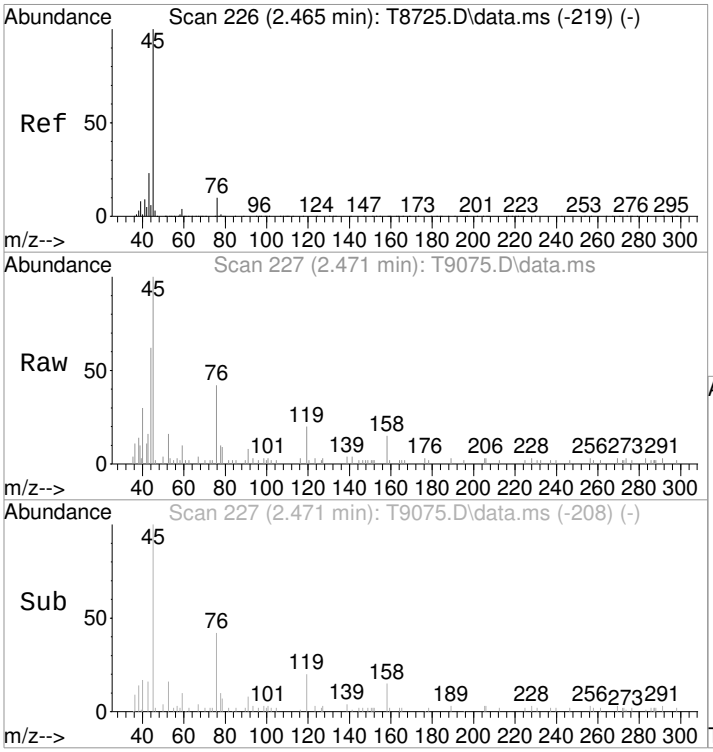


#15
Acetone
Concen: 1.10 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9075.D
Acq: 25 Sep 2021 3:05 pm

Tgt Ion: 43 Resp: 1354

Ion	Ratio	Lower	Upper
43	100		
58	49.0	4.9	44.9#
42	0.0	0.0	27.1

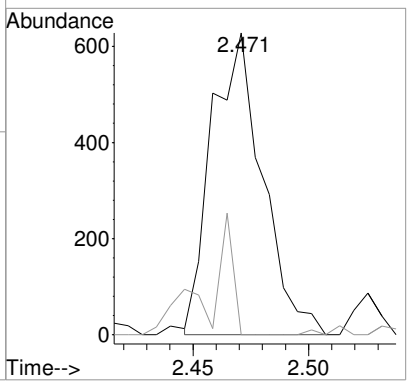


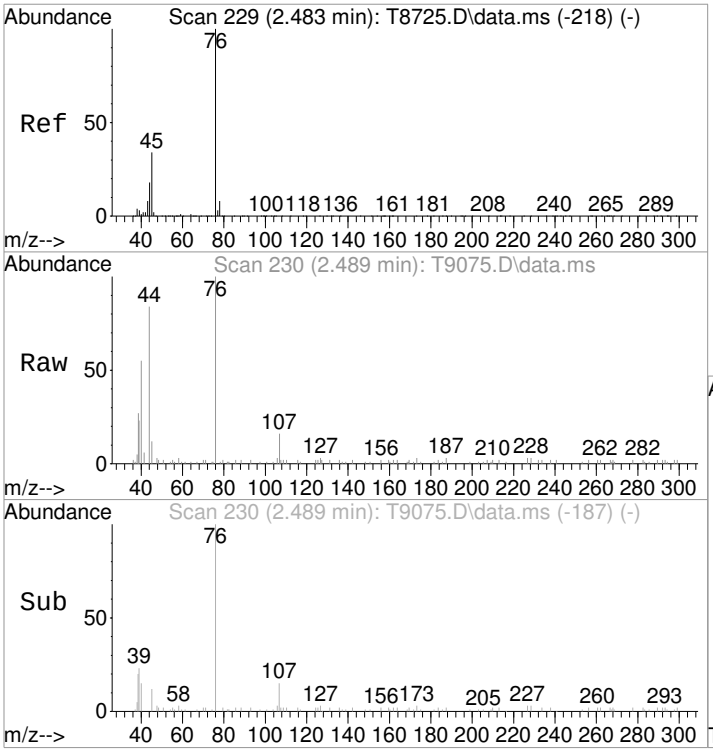


#16
2-Propanol
Concen: 3.67 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T9075.D
Acq: 25 Sep 2021 3:05 pm

Tgt Ion: 45 Resp: 959

Ion	Ratio	Lower	Upper
45	100		
43	0.0	2.8	42.8#

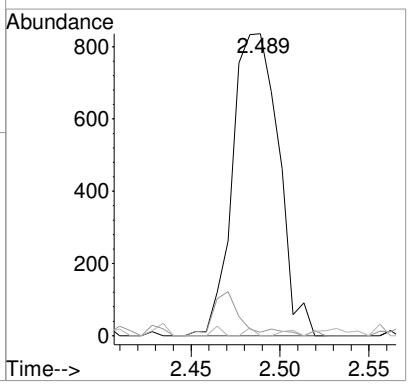




#18
Carbon Disulfide
Concen: 0.30 ug/L
RT: 2.489 min Scan# 230
Delta R.T. 0.006 min
Lab File: T9075.D
Acq: 25 Sep 2021 3:05 pm

Tgt Ion: 76 Resp: 1505

Ion	Ratio	Lower	Upper
76	100		
78	1.2	0.0	28.4
77	0.0	0.0	22.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9074.D
Acq On : 25 Sep 2021 2:44 pm
Operator : F.NAEGLER
Sample : R2109635-008|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 16:24:57 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

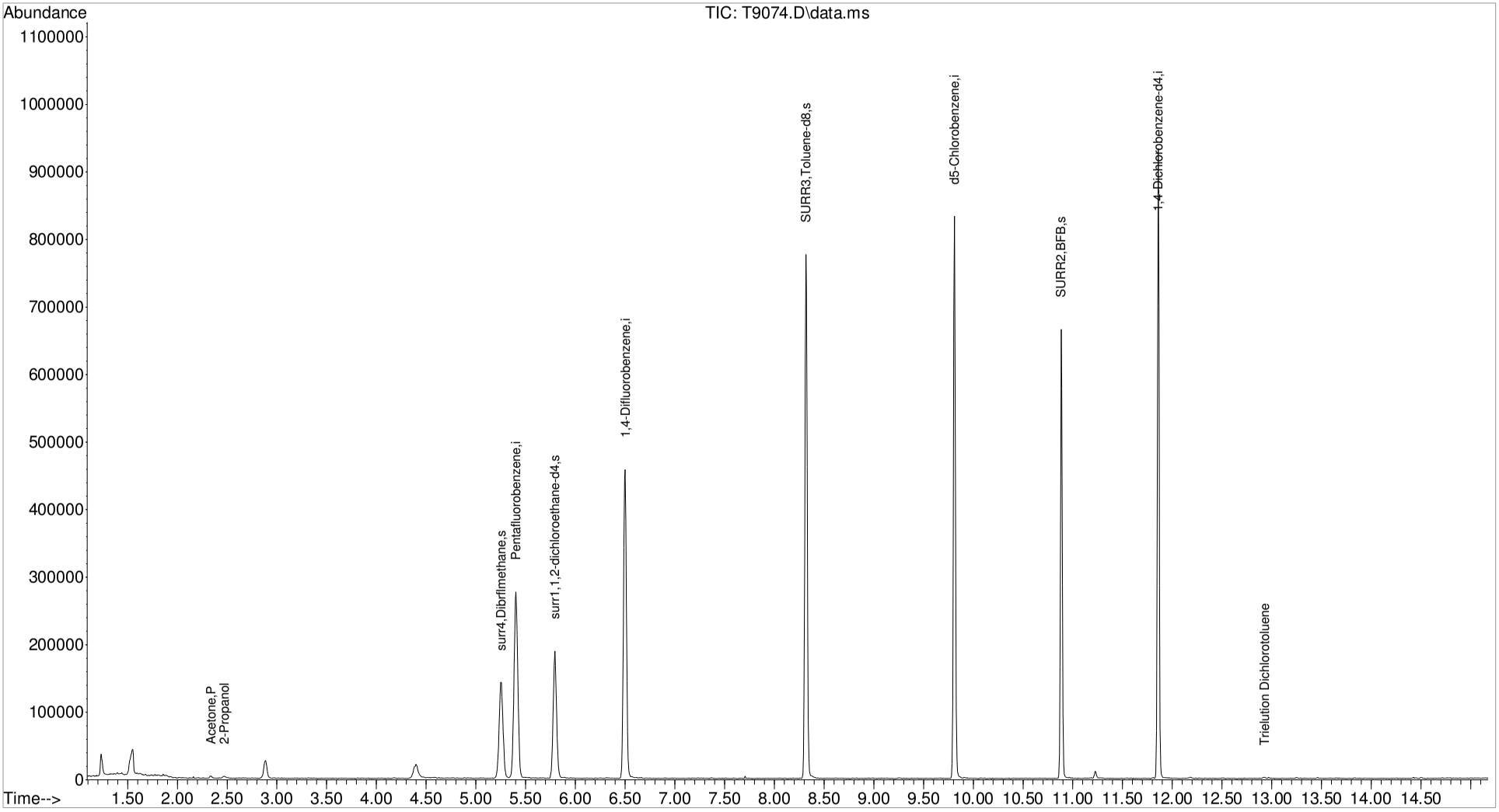
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	251853	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	401307	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	356374	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	172111	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	118609	52.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 105.88%			
46) surr1,1,2-dichloroetha...	5.793	65	155977	53.67	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.34%			
64) SURR3,Toluene-d8	8.317	98	478225	52.82	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 105.64%			
69) SURR2,BFB	10.884	95	165432	49.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.46%			
Target Compounds						Qvalue
15) Acetone	2.337	43	3141	2.69	ug/L	92
16) 2-Propanol	2.471	45	3044	12.29	ug/L	93
111) Trielution Dichlorotol...	12.926	125	1054	0.30	ug/L #	77

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

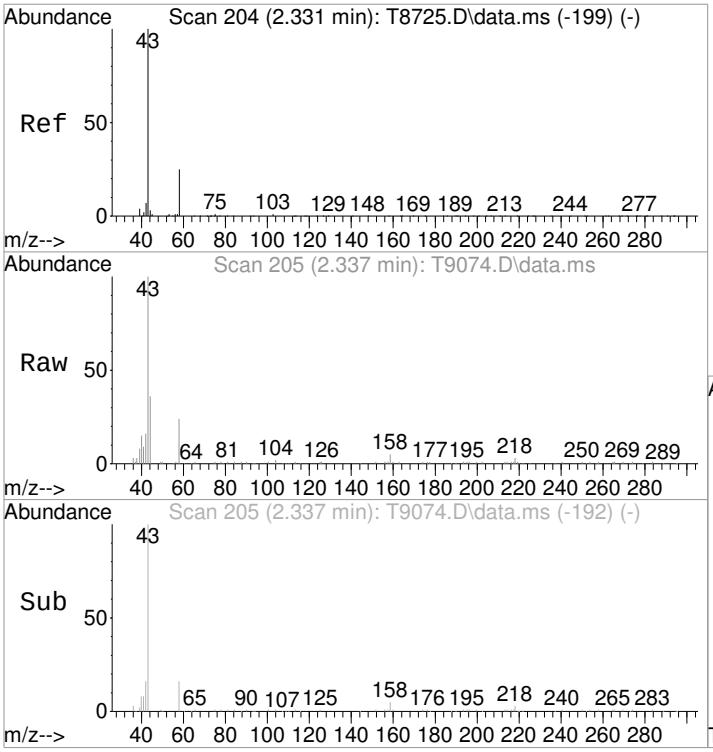
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9074.D
Acq On : 25 Sep 2021 2:44 pm
Operator : F.NAEGLER
Sample : R2109635-008|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 16:24:57 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



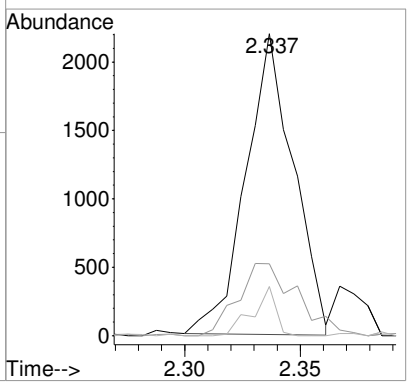
1st FJ 09/27/21
2nd 09/27/21

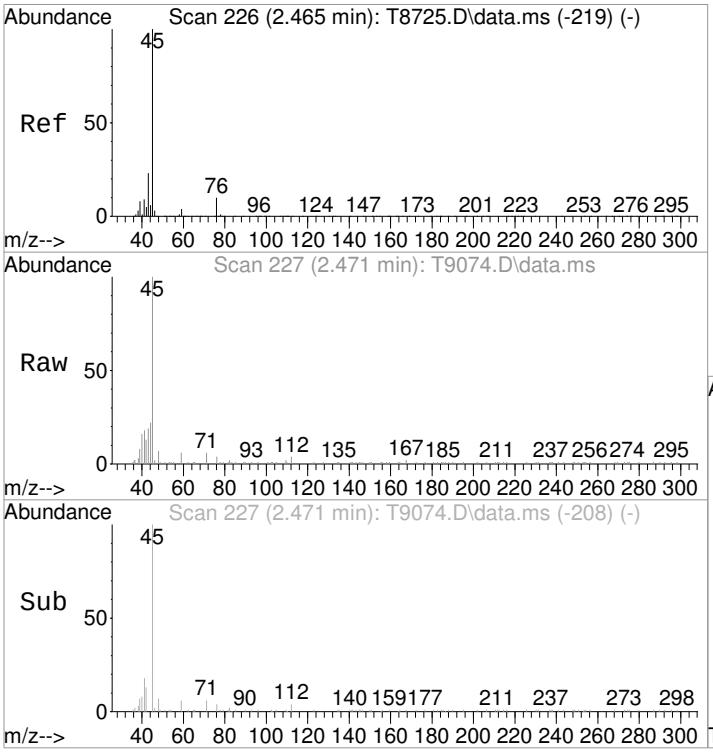


#15
Acetone
Concen: 2.69 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9074.D
Acq: 25 Sep 2021 2:44 pm

Tgt Ion: 43 Resp: 3141

Ion	Ratio	Lower	Upper
43	100		
58	23.8	4.9	44.9
42	16.3	0.0	27.1

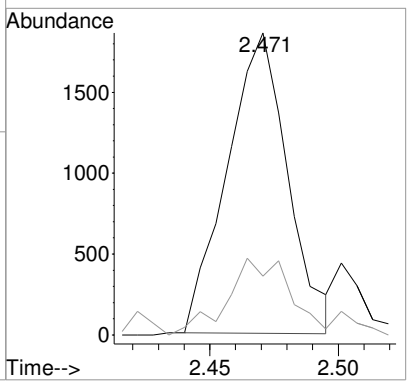


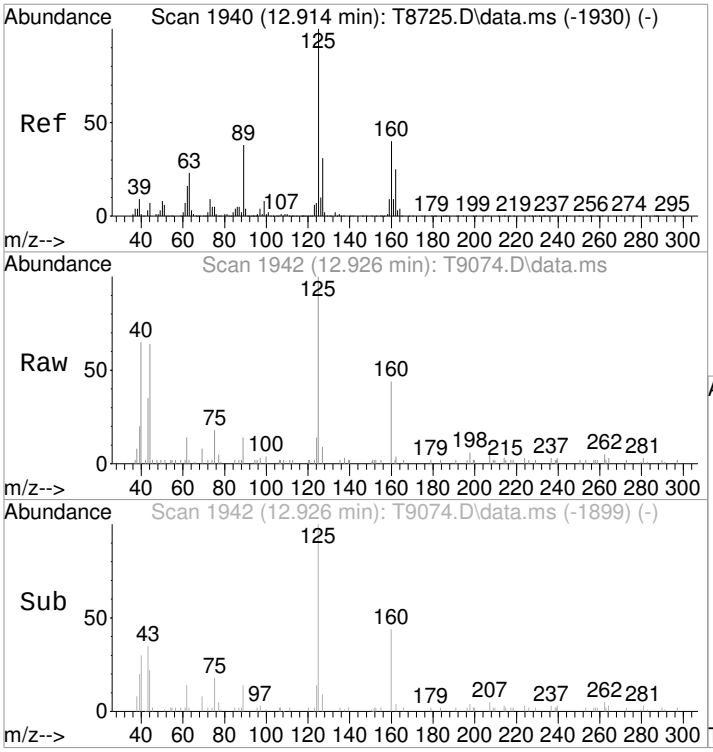


#16
2-Propanol
Concen: 12.29 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T9074.D
Acq: 25 Sep 2021 2:44 pm

Tgt Ion: 45 Resp: 3044

Ion	Ratio	Lower	Upper
45	100		
43	19.4	2.8	42.8

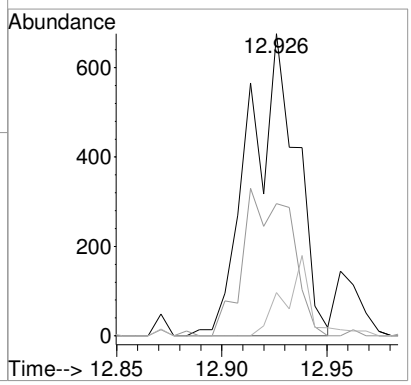




#111
Trielution Dichlorotoluene
Concen: 0.30 ug/L
RT: 12.926 min Scan# 1942
Delta R.T. 0.012 min
Lab File: T9074.D
Acq: 25 Sep 2021 2:44 pm

Tgt Ion:125 Resp: 1054

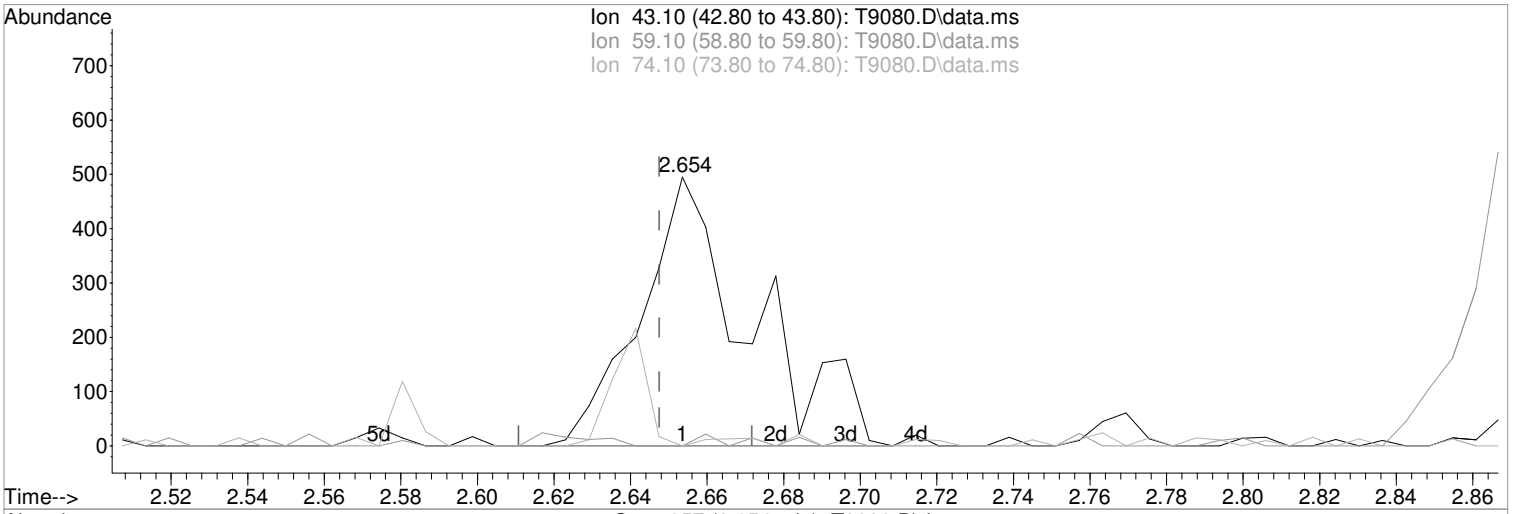
Ion	Ratio	Lower	Upper
125	100		
160	43.8	19.9	59.9
89	14.3	18.2	58.2#

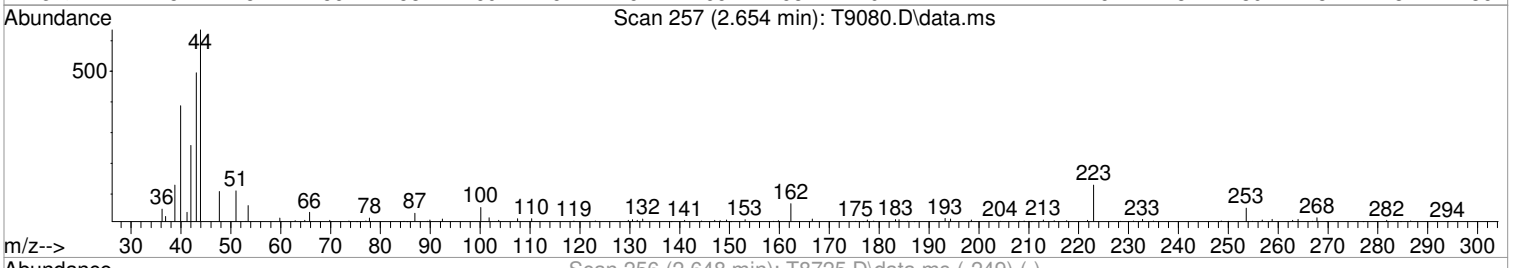


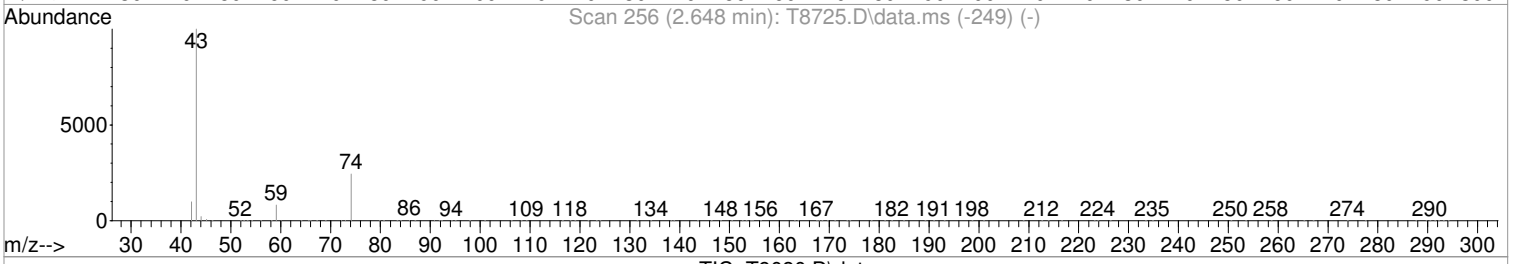
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9080.D
Acq On : 25 Sep 2021 4:55 pm
Operator : F.NAEGLER
Sample : R2109635-011|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 18:44:07 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9080.D\data.ms

(21) Methyl Acetate (P)

2.654min (+0.006) 0.34 ug/L m

response 991

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	4.44
74.10	24.40	0.00#
0.00	0.00	0.00

Manual Integration:

After

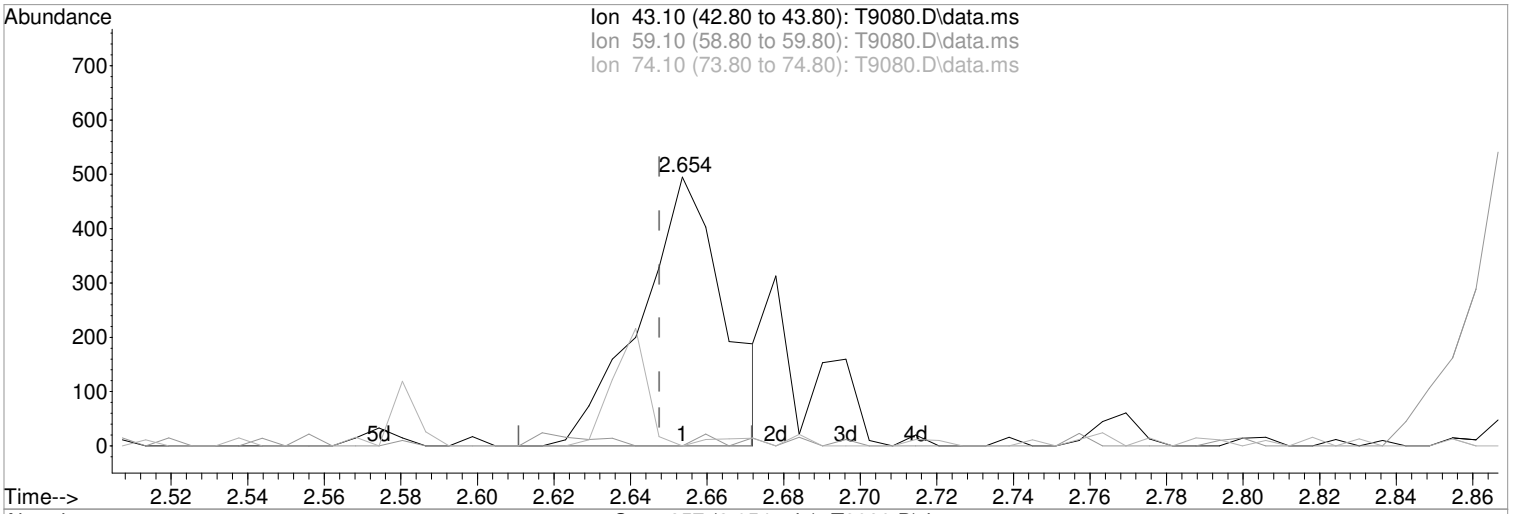
Poor integration.

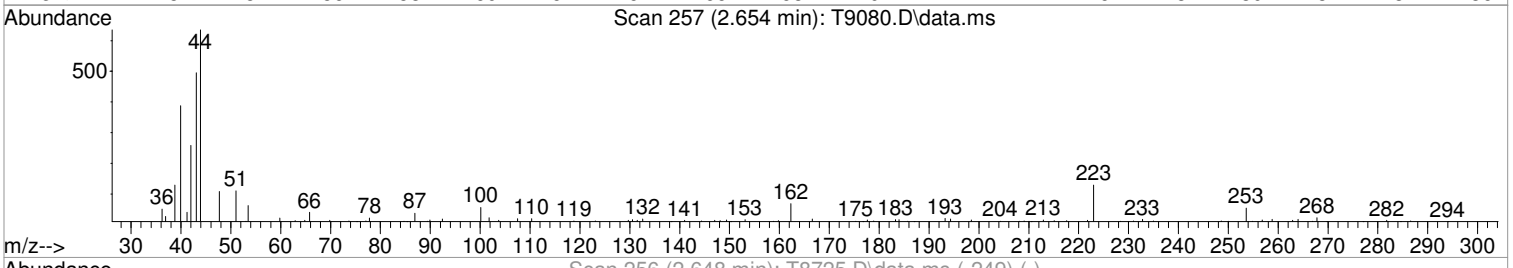
09/27/21

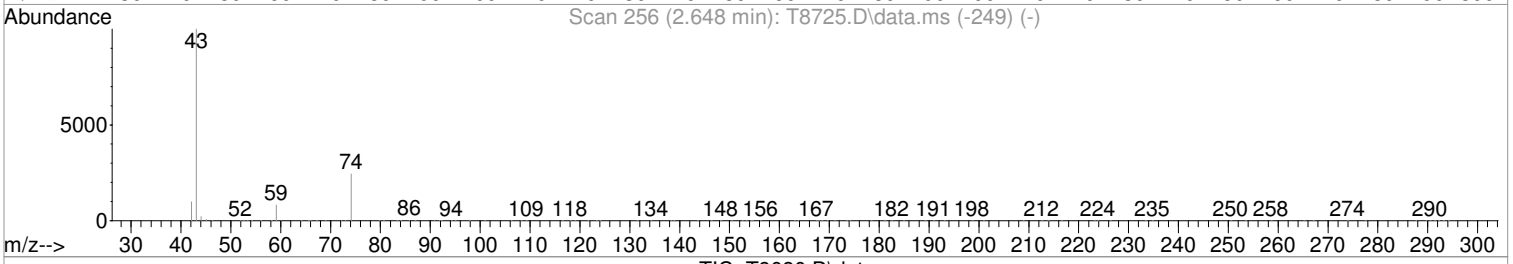
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9080.D
Acq On : 25 Sep 2021 4:55 pm
Operator : F.NAEGLER
Sample : R2109635-011|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 18:44:07 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9080.D\data.ms

(21) Methyl Acetate (P)

2.654min (+0.006) 0.26 ug/L

response 750

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	4.44
74.10	24.40	0.00#
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9080.D
Acq On : 25 Sep 2021 4:55 pm
Operator : F.NAEGLER
Sample : R2109635-011|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 27 16:33:49 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

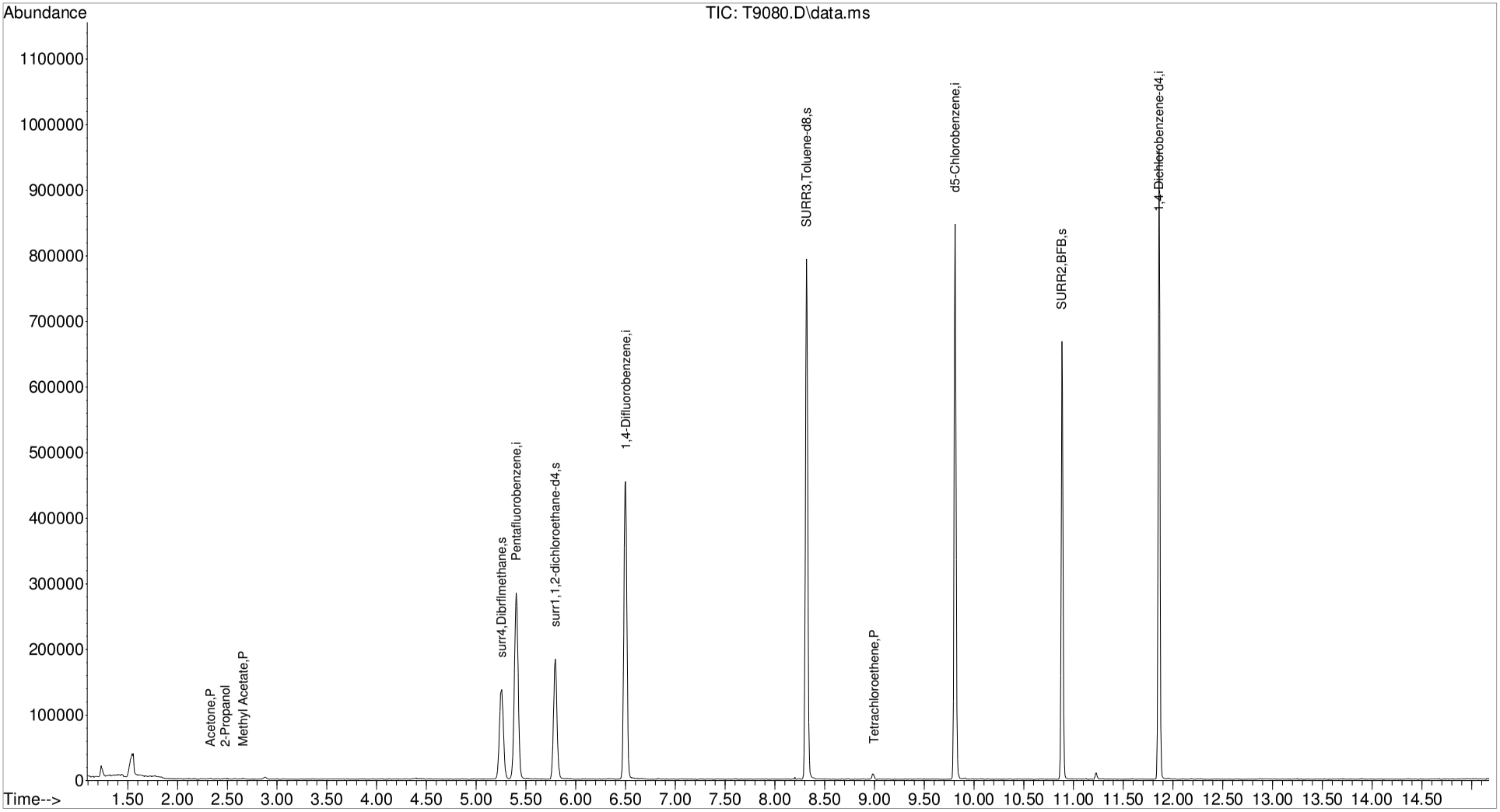
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	258138	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	403452	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	367699	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	177049	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	117388	52.11	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.22%			
46) surr1,1,2-dichloroetha...	5.793	65	157491	53.90	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.80%			
64) SURR3,Toluene-d8	8.317	98	483369	53.11	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 106.22%			
69) SURR2,BFB	10.884	95	167594	49.61	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.22%			
Target Compounds						Qvalue
15) Acetone	2.330	43	1272	1.06	ug/L	81
16) 2-Propanol	2.477	45	611	2.41	ug/L	91
21) Methyl Acetate	2.654	43	991m	0.34	ug/L	
71) Tetrachloroethene	8.994	164	1276	0.76	ug/L #	84

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

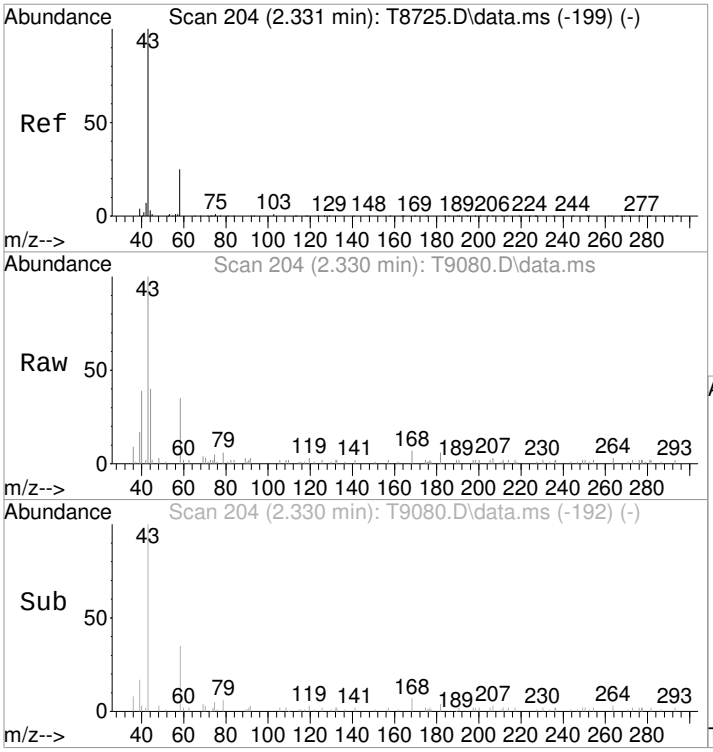
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9080.D
Acq On : 25 Sep 2021 4:55 pm
Operator : F.NAEGLER
Sample : R2109635-011|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 27 16:33:49 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



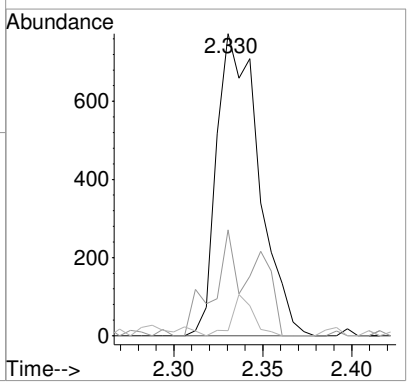
1st FJ 09/27/21
2nd 09/27/21

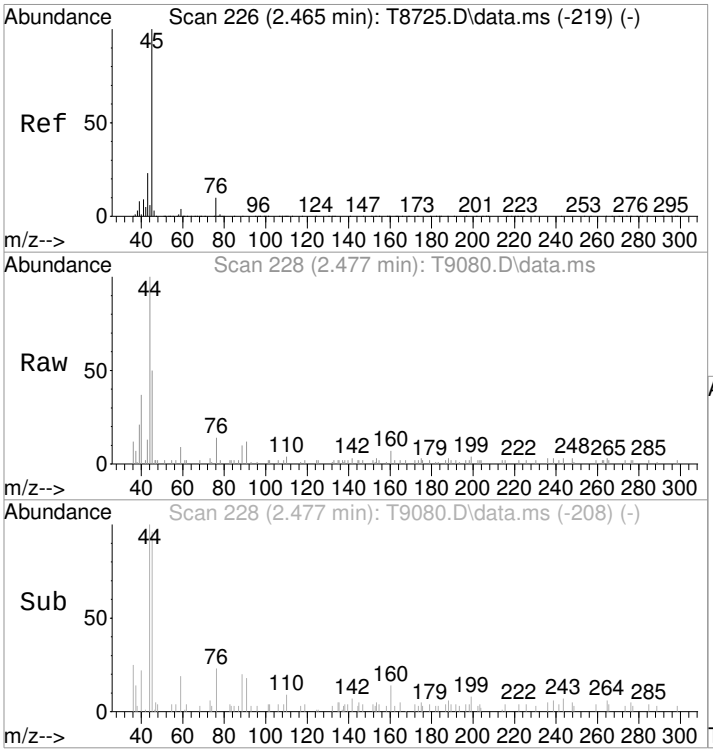


#15
Acetone
Concen: 1.06 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: T9080.D
Acq: 25 Sep 2021 4:55 pm

Tgt Ion: 43 Resp: 1272

Ion	Ratio	Lower	Upper
43	100		
58	35.1	4.9	44.9
42	1.7	0.0	27.1

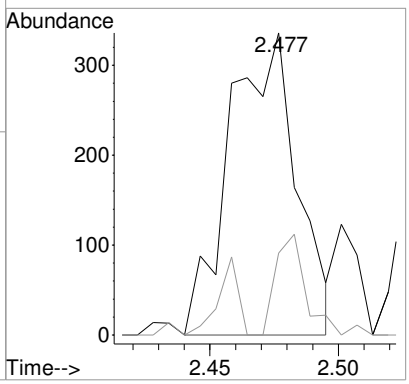


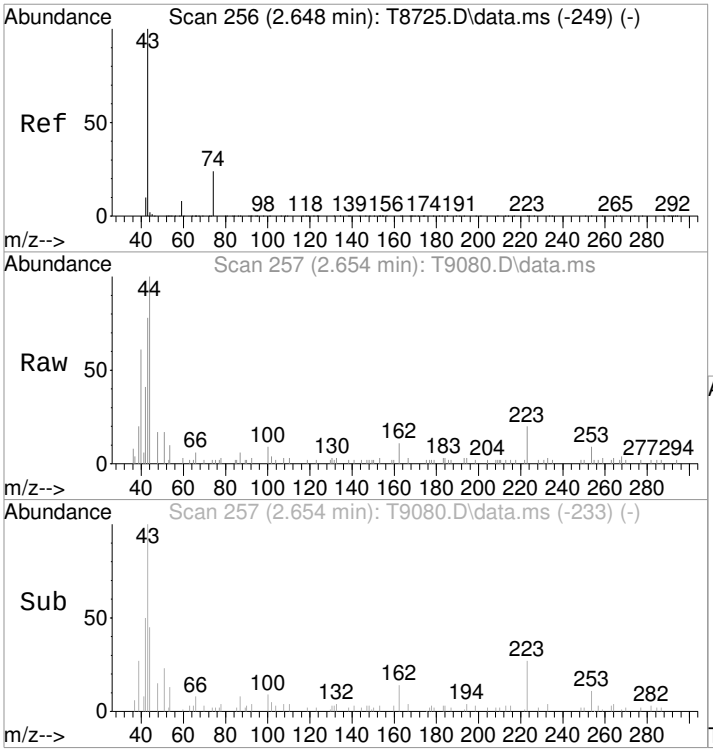


#16
2-Propanol
Concen: 2.41 ug/L
RT: 2.477 min Scan# 228
Delta R.T. 0.012 min
Lab File: T9080.D
Acq: 25 Sep 2021 4:55 pm

Tgt Ion: 45 Resp: 611

Ion	Ratio	Lower	Upper
45	100		
43	27.1	2.8	42.8

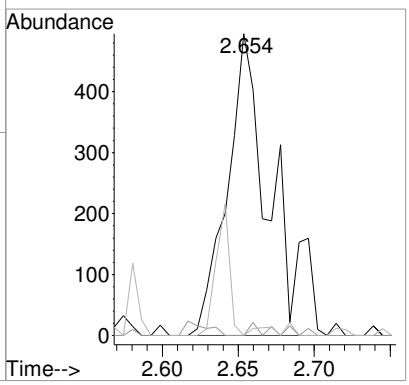


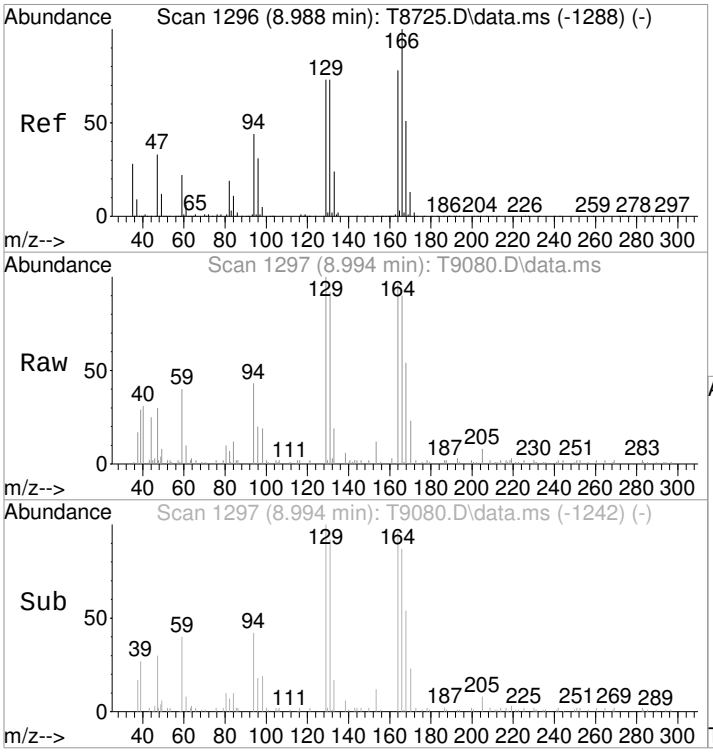


#21
Methyl Acetate
Concen: 0.34 ug/L m
RT: 2.654 min Scan# 257
Delta R.T. 0.006 min
Lab File: T9080.D
Acq: 25 Sep 2021 4:55 pm

Tgt Ion: 43 Resp: 991

Ion	Ratio	Lower	Upper
43	100		
59	4.4	0.0	28.2
74	0.0	4.4	44.4#

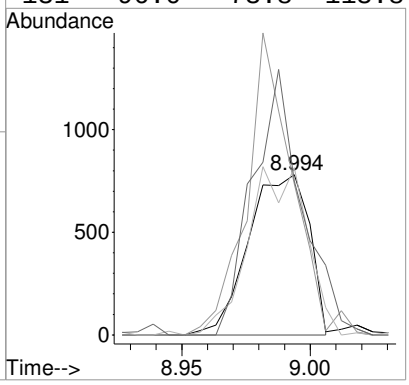




#71
Tetrachloroethene
Concen: 0.76 ug/L
RT: 8.994 min Scan# 1297
Delta R.T. 0.006 min
Lab File: T9080.D
Acq: 25 Sep 2021 4:55 pm

Tgt Ion:164 Resp: 1276

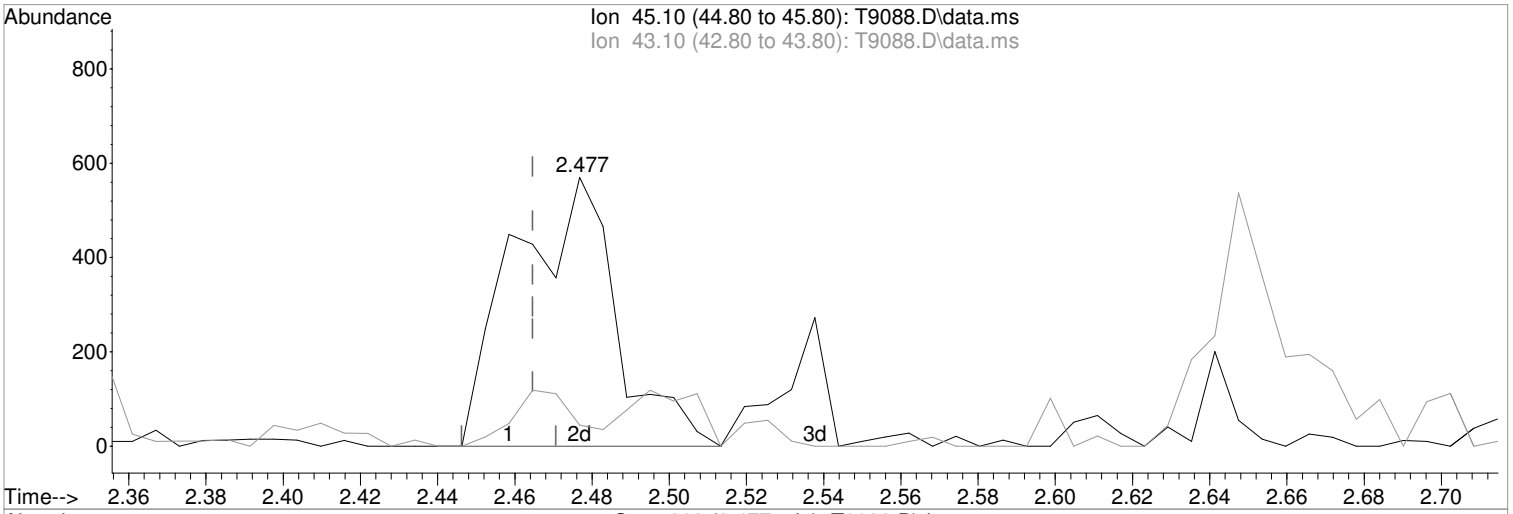
Ion	Ratio	Lower	Upper
164	100		
166	94.4	108.5	148.5#
129	104.5	73.7	113.7
131	96.0	73.8	113.8

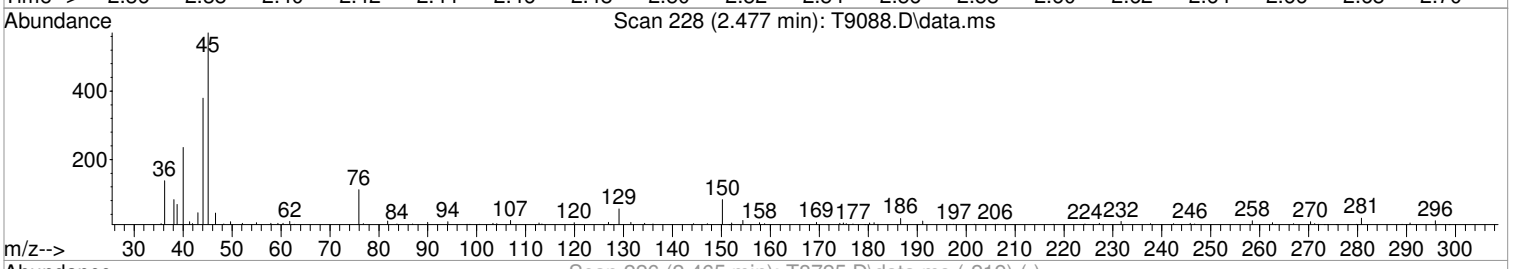


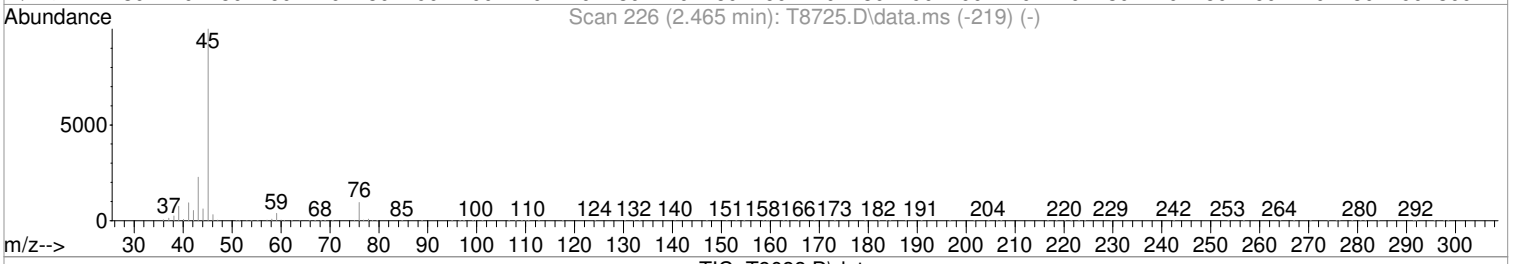
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9088.D
Acq On : 25 Sep 2021 7:49 pm
Operator : F.NAEGLER
Sample : R2109635-013|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 26 09:57:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9088.D\data.ms

(16) 2-Propanol

2.477min (+0.012) 4.18 ug/L m

response 1048

Ion	Exp%	Act%
45.10	100	100
43.10	22.80	7.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

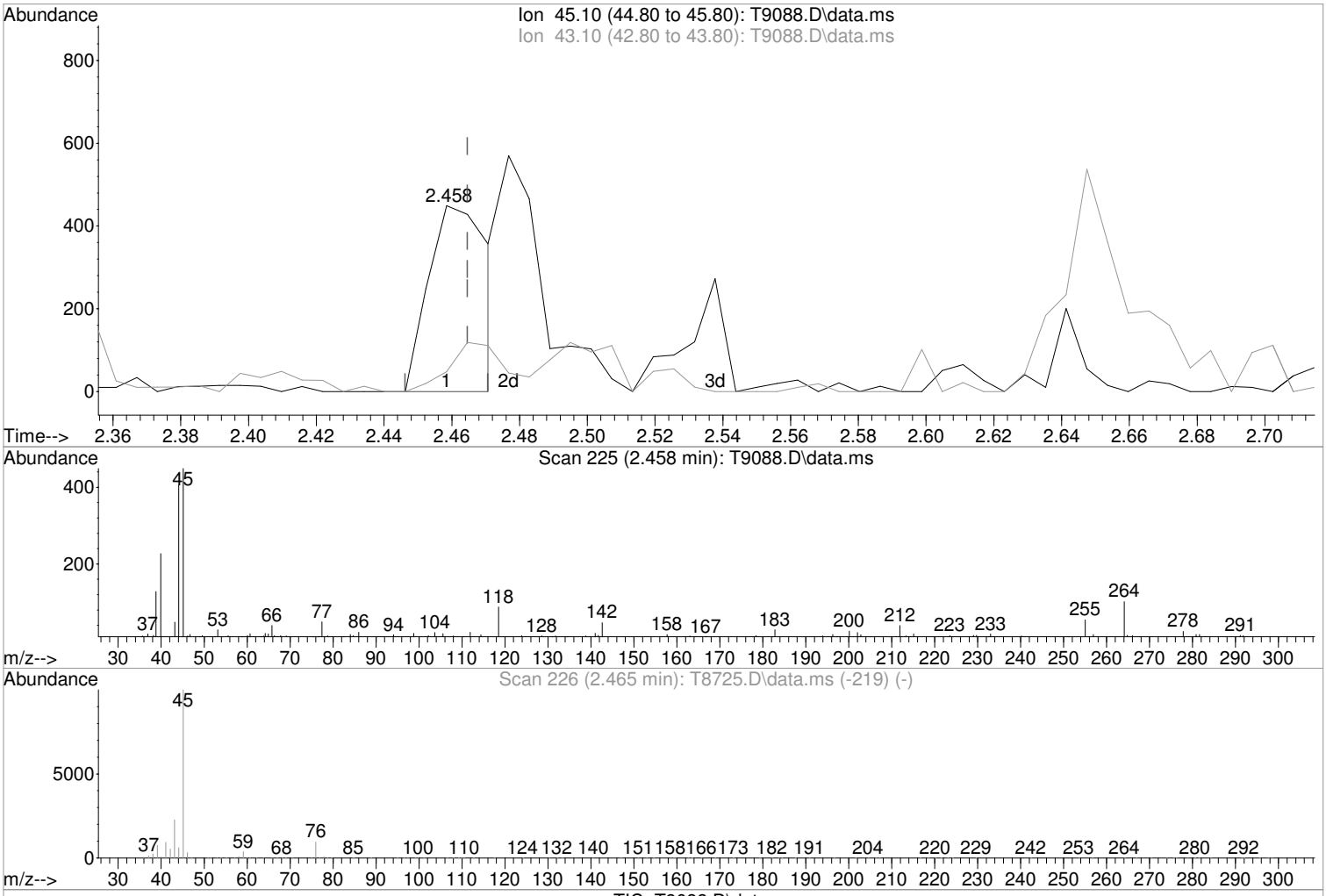
Poor integration.

09/27/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9088.D
Acq On : 25 Sep 2021 7:49 pm
Operator : F.NAEGLER
Sample : R2109635-013|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 26 09:57:02 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



TIC: T9088.D\data.ms

(16) 2-Propanol

2.458min (-0.006) 2.16 ug/L

response 542

Ion	Exp%	Act%
45.10	100	100
43.10	22.80	10.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9088.D
Acq On : 25 Sep 2021 7:49 pm
Operator : F.NAEGLER
Sample : R2109635-013|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 27 16:47:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

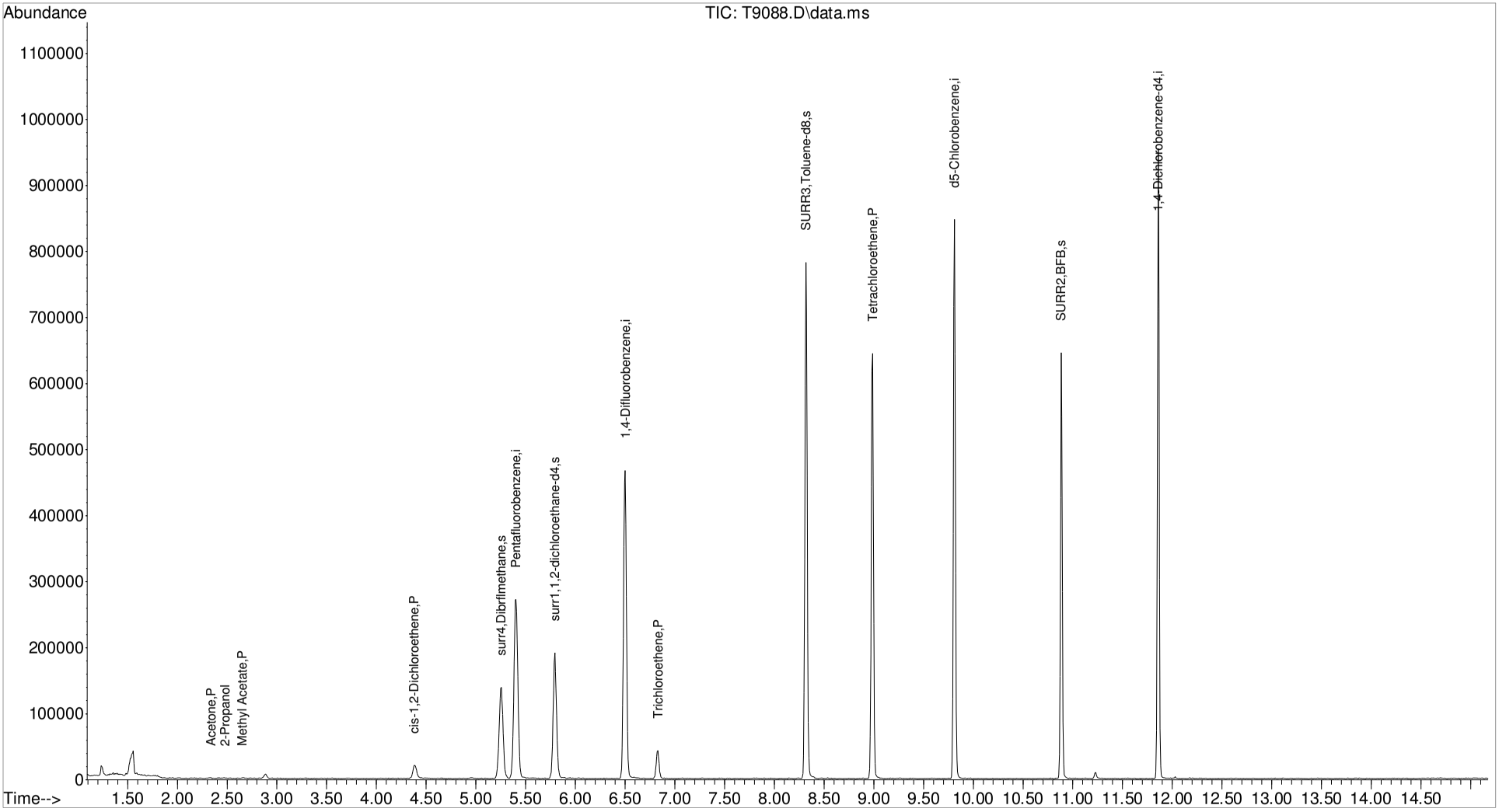
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	254813	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	400866	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	362015	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	175588	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	113287	50.62	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.24%			
46) surr1,1,2-dichloroetha...	5.793	65	152878	52.66	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.32%			
64) SURR3,Toluene-d8	8.317	98	469131	51.87	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.74%			
69) SURR2,BFB	10.884	95	159836	47.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.24%			
Target Compounds						Qvalue
15) Acetone	2.337	43	1067	0.90	ug/L	77
16) 2-Propanol	2.477	45	1048m	4.18	ug/L	
21) Methyl Acetate	2.647	43	753	0.26	ug/L #	61
33) cis-1,2-Dichloroethene	4.379	96	8338	3.18	ug/L	96
39) Chloroform	4.958	83	1113	Below Cal		80
53) Trichloroethene	6.830	130	14387	6.17	ug/L	96
71) Tetrachloroethene	8.988	164	121863	74.07	ug/L	90

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

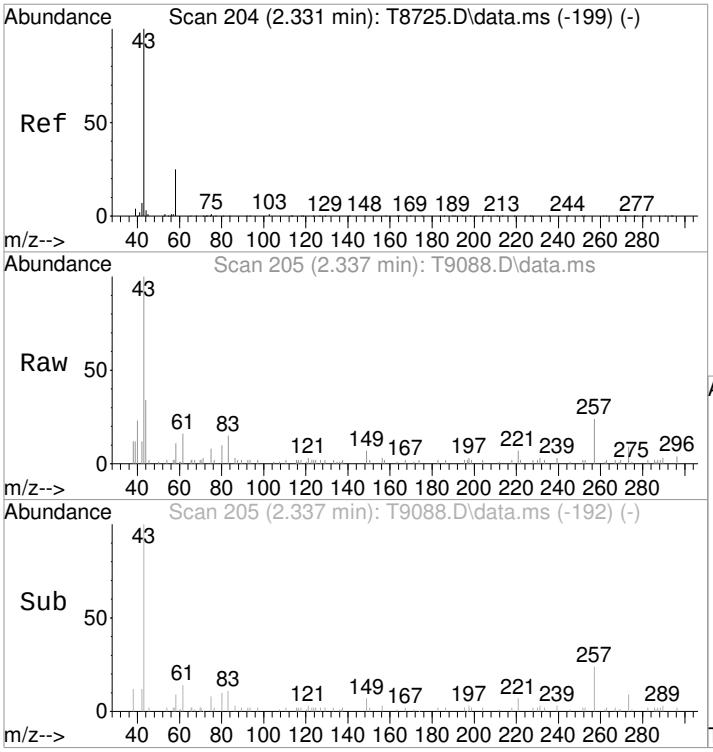
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9088.D
Acq On : 25 Sep 2021 7:49 pm
Operator : F.NAEGLER
Sample : R2109635-013|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 27 16:47:37 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



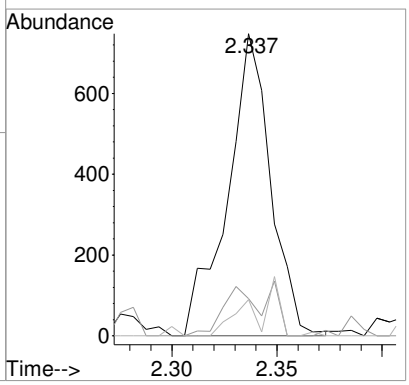
1st FJ 09/27/21
2nd 09/27/21

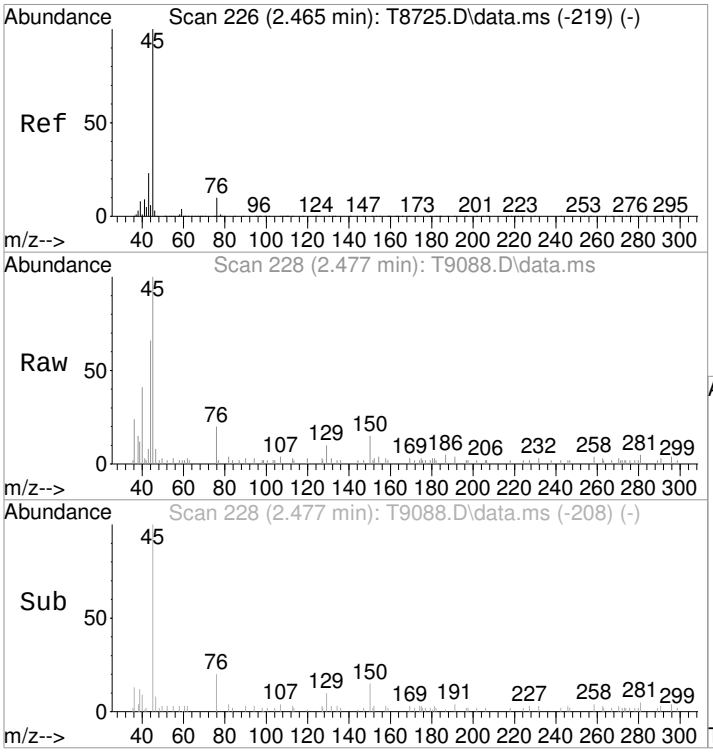


#15
Acetone
Concen: 0.90 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9088.D
Acq: 25 Sep 2021 7:49 pm

Tgt Ion: 43 Resp: 1067

Ion	Ratio	Lower	Upper
43	100		
58	12.3	4.9	44.9
42	12.0	0.0	27.1

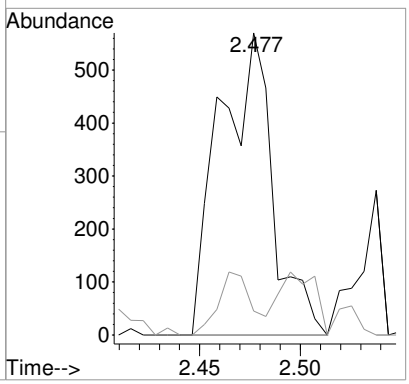


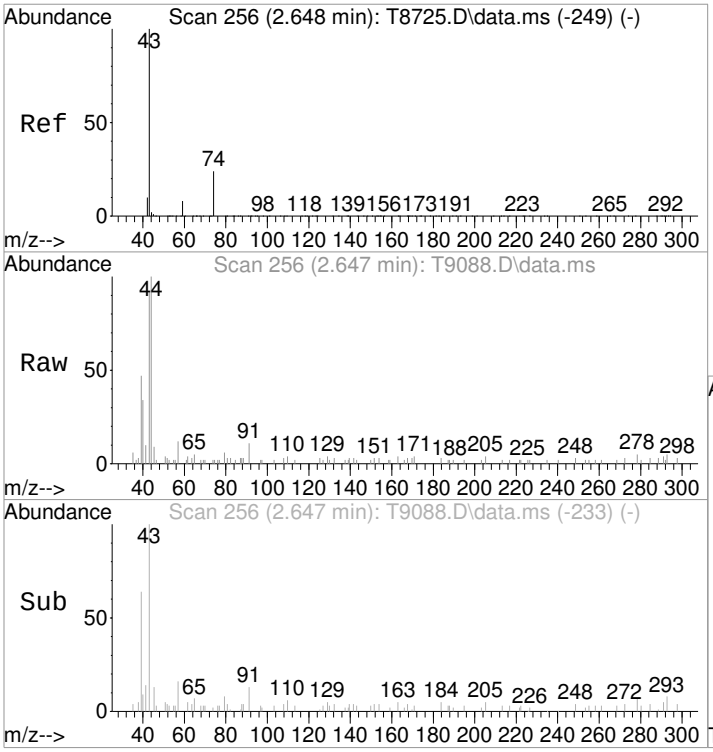


#16
2-Propanol
Concen: 4.18 ug/L m
RT: 2.477 min Scan# 228
Delta R.T. 0.012 min
Lab File: T9088.D
Acq: 25 Sep 2021 7:49 pm

Tgt Ion: 45 Resp: 1048

Ion	Ratio	Lower	Upper
45	100		
43	7.9	2.8	42.8

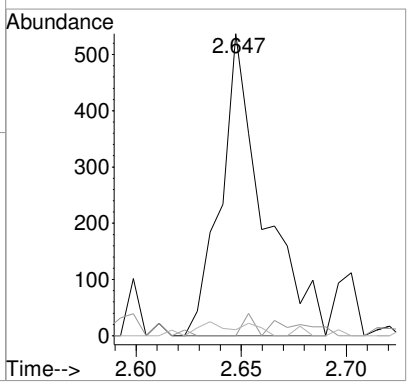


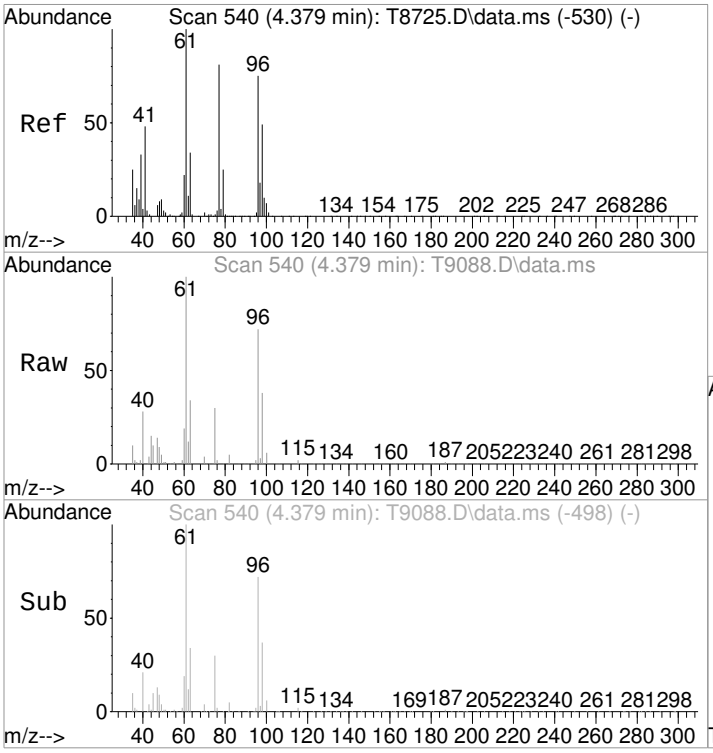


#21
Methyl Acetate
Concen: 0.26 ug/L
RT: 2.647 min Scan# 256
Delta R.T. -0.000 min
Lab File: T9088.D
Acq: 25 Sep 2021 7:49 pm

Tgt Ion: 43 Resp: 753

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	2.0	4.4	44.4#

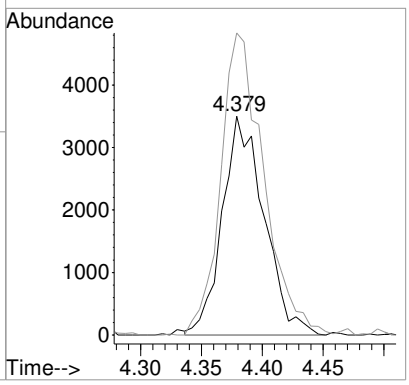


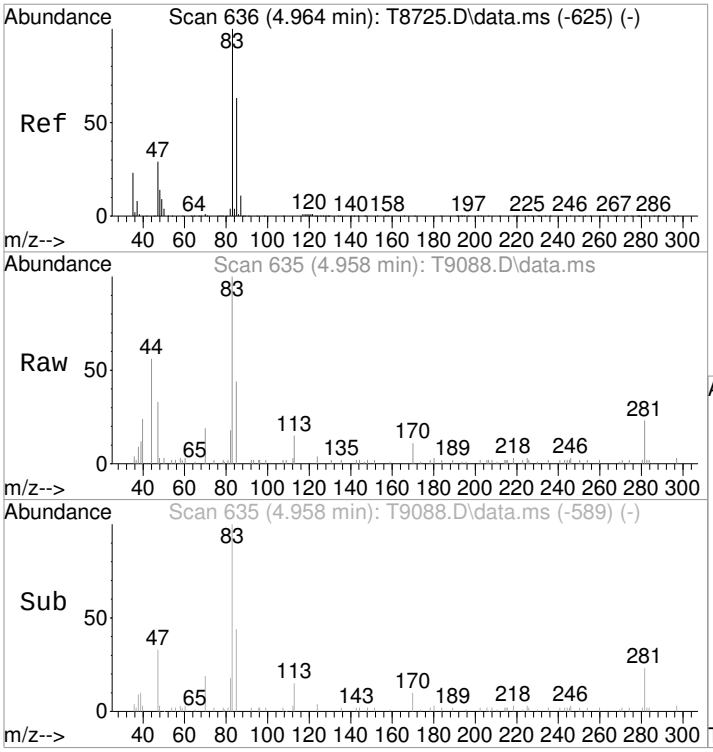


#33
cis-1,2-Dichloroethene
Concen: 3.18 ug/L
RT: 4.379 min Scan# 540
Delta R.T. -0.000 min
Lab File: T9088.D
Acq: 25 Sep 2021 7:49 pm

Tgt Ion: 96 Resp: 8338

Ion	Ratio	Lower	Upper
96	100		
61	138.0	113.1	153.1

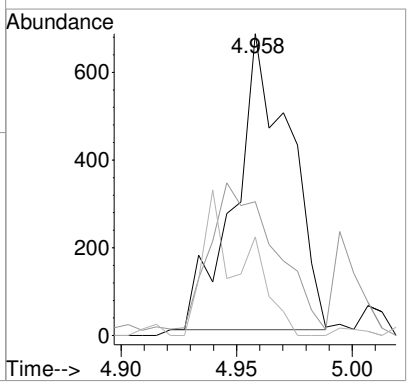


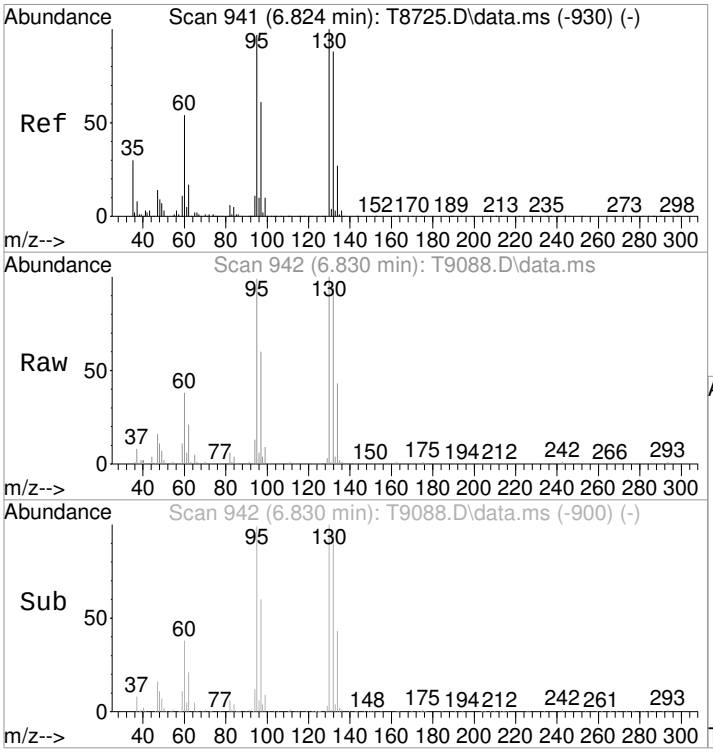


#39
Chloroform
Concen: Below Cal
RT: 4.958 min Scan# 635
Delta R.T. -0.006 min
Lab File: T9088.D
Acq: 25 Sep 2021 7:49 pm

Tgt Ion: 83 Resp: 1113

Ion	Ratio	Lower	Upper
83	100		
85	44.3	43.6	83.6
47	32.7	8.5	48.5

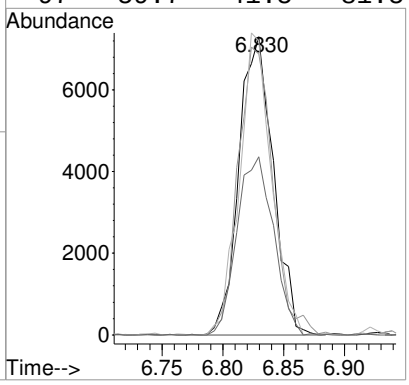


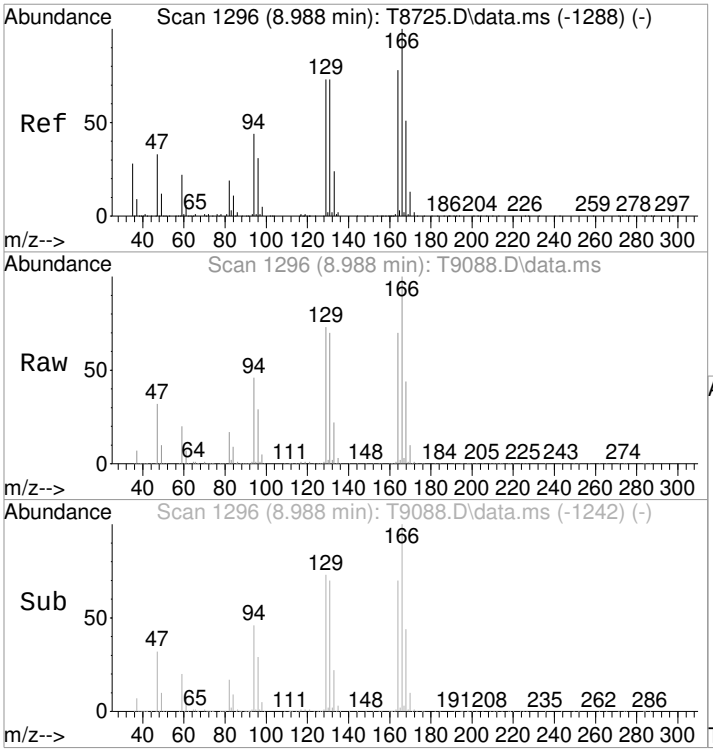


#53
Trichloroethene
Concen: 6.17 ug/L
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: T9088.D
Acq: 25 Sep 2021 7:49 pm

Tgt Ion:130 Resp: 14387

Ion	Ratio	Lower	Upper
130	100		
132	94.2	68.5	108.5
95	98.6	76.7	116.7
97	59.7	41.5	81.5

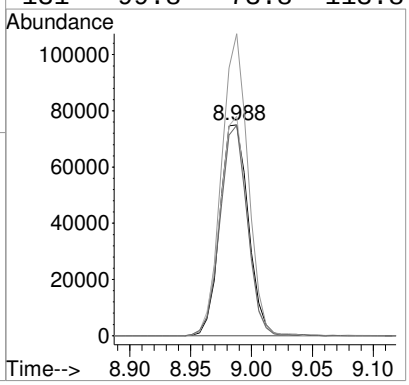




#71
Tetrachloroethene
Concen: 74.07 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. -0.000 min
Lab File: T9088.D
Acq: 25 Sep 2021 7:49 pm

Tgt Ion:164 Resp: 121863

Ion	Ratio	Lower	Upper
164	100		
166	143.2	108.5	148.5
129	104.0	73.7	113.7
131	99.8	73.8	113.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9081.D
Acq On : 25 Sep 2021 5:16 pm
Operator : F.NAEGLER
Sample : R2109635-014|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 27 16:35:23 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

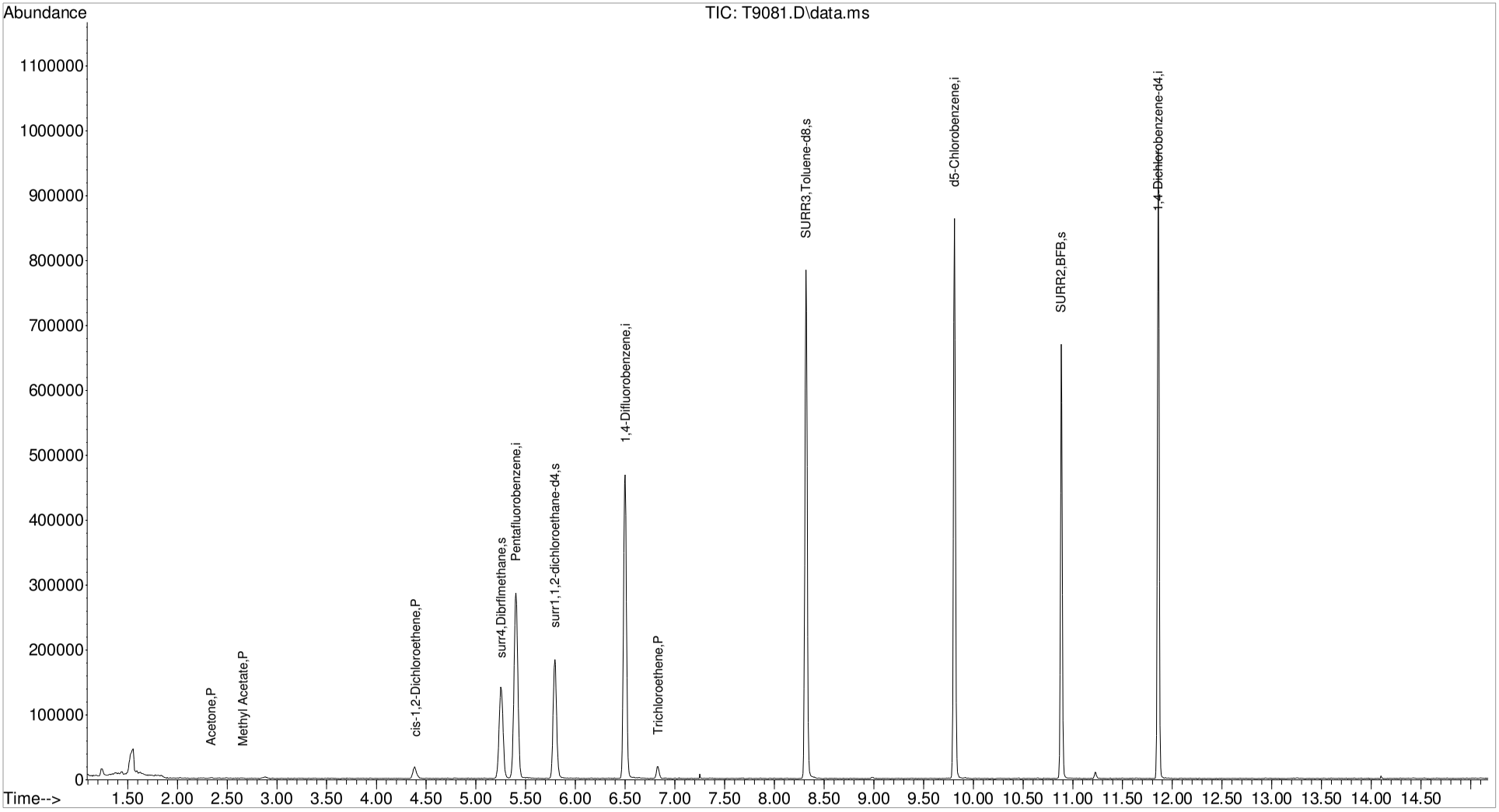
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	269832	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	407773	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	371486	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	183528	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	116237	51.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.12%			
46) surr1,1,2-dichloroetha...	5.793	65	156574	53.02	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.04%			
64) SURR3,Toluene-d8	8.317	98	477751	51.93	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.86%			
69) SURR2,BFB	10.884	95	167235	48.98	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.96%			
Target Compounds						Qvalue
15) Acetone	2.336	43	1080	0.86	ug/L	83
21) Methyl Acetate	2.660	43	676	0.22	ug/L #	63
33) cis-1,2-Dichloroethene	4.391	96	8804	3.17	ug/L	95
53) Trichloroethene	6.829	130	6540	2.76	ug/L	92

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

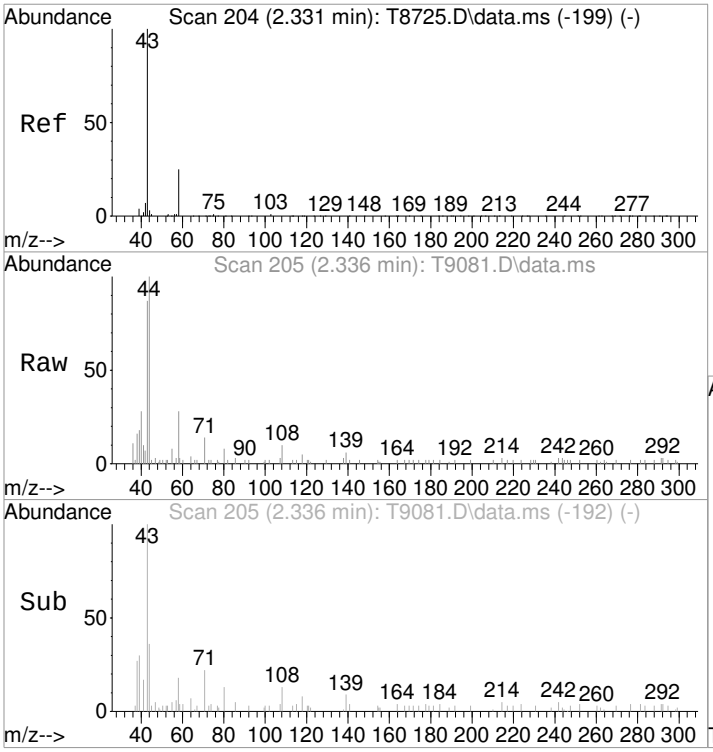
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9081.D
Acq On : 25 Sep 2021 5:16 pm
Operator : F.NAEGLER
Sample : R2109635-014|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 27 16:35:23 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



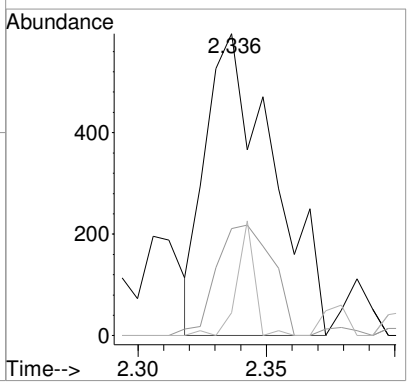
1st FJ 09/27/21
2nd 09/27/21

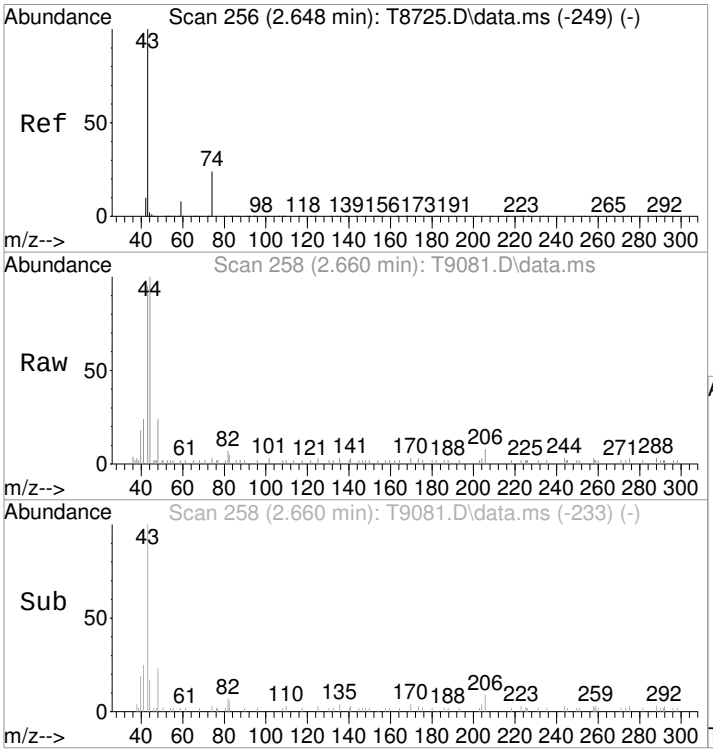


#15
Acetone
Concen: 0.86 ug/L
RT: 2.336 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9081.D
Acq: 25 Sep 2021 5:16 pm

Tgt Ion: 43 Resp: 1080

Ion	Ratio	Lower	Upper
43	100		
58	35.5	4.9	44.9
42	7.6	0.0	27.1

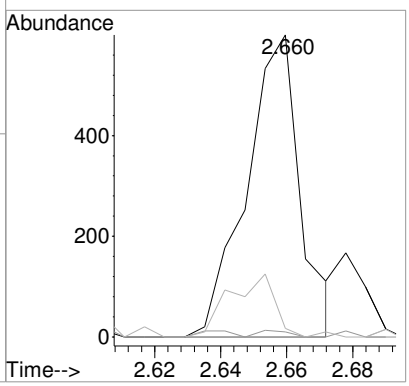


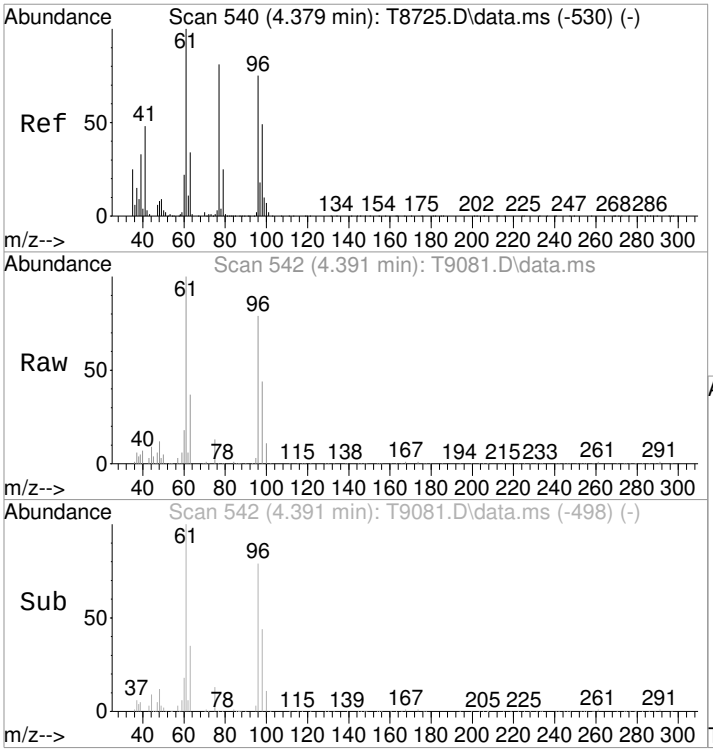


#21
Methyl Acetate
Concen: 0.22 ug/L
RT: 2.660 min Scan# 258
Delta R.T. 0.012 min
Lab File: T9081.D
Acq: 25 Sep 2021 5:16 pm

Tgt Ion: 43 Resp: 676

Ion	Ratio	Lower	Upper
43	100		
59	1.7	0.0	28.2
74	2.8	4.4	44.4#

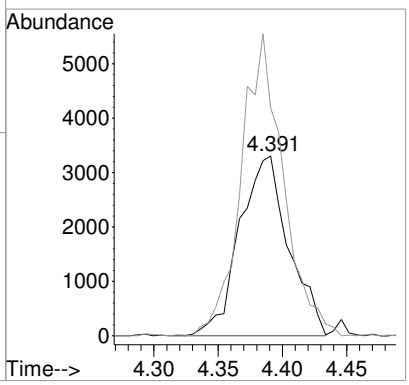


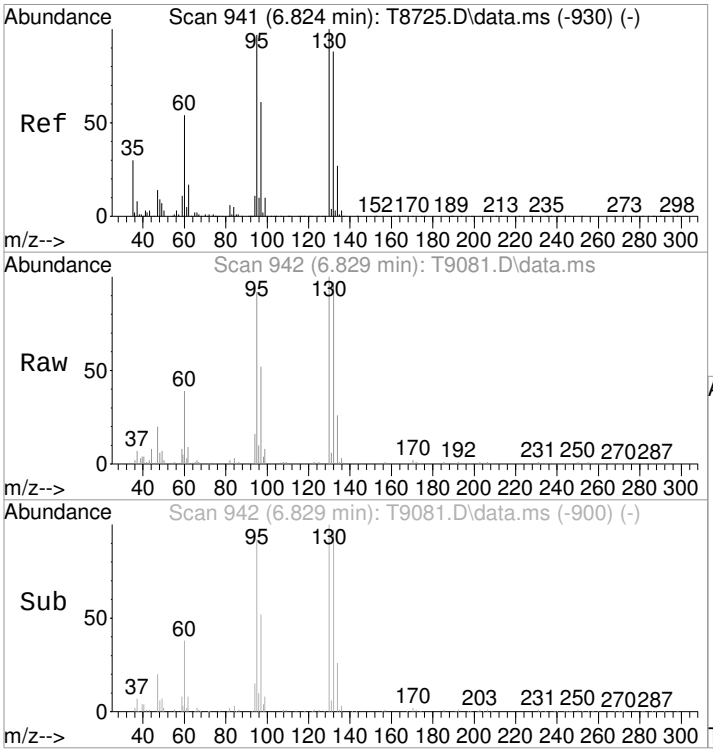


#33
cis-1,2-Dichloroethene
Concen: 3.17 ug/L
RT: 4.391 min Scan# 542
Delta R.T. 0.012 min
Lab File: T9081.D
Acq: 25 Sep 2021 5:16 pm

Tgt Ion: 96 Resp: 8804

Ion	Ratio	Lower	Upper
96	100		
61	126.7	113.1	153.1

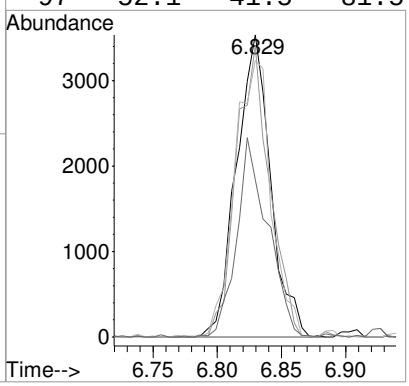




#53
Trichloroethene
Concen: 2.76 ug/L
RT: 6.829 min Scan# 942
Delta R.T. 0.006 min
Lab File: T9081.D
Acq: 25 Sep 2021 5:16 pm

Tgt Ion:130 Resp: 6540

Ion	Ratio	Lower	Upper
130	100		
132	96.5	68.5	108.5
95	91.5	76.7	116.7
97	52.1	41.5	81.5

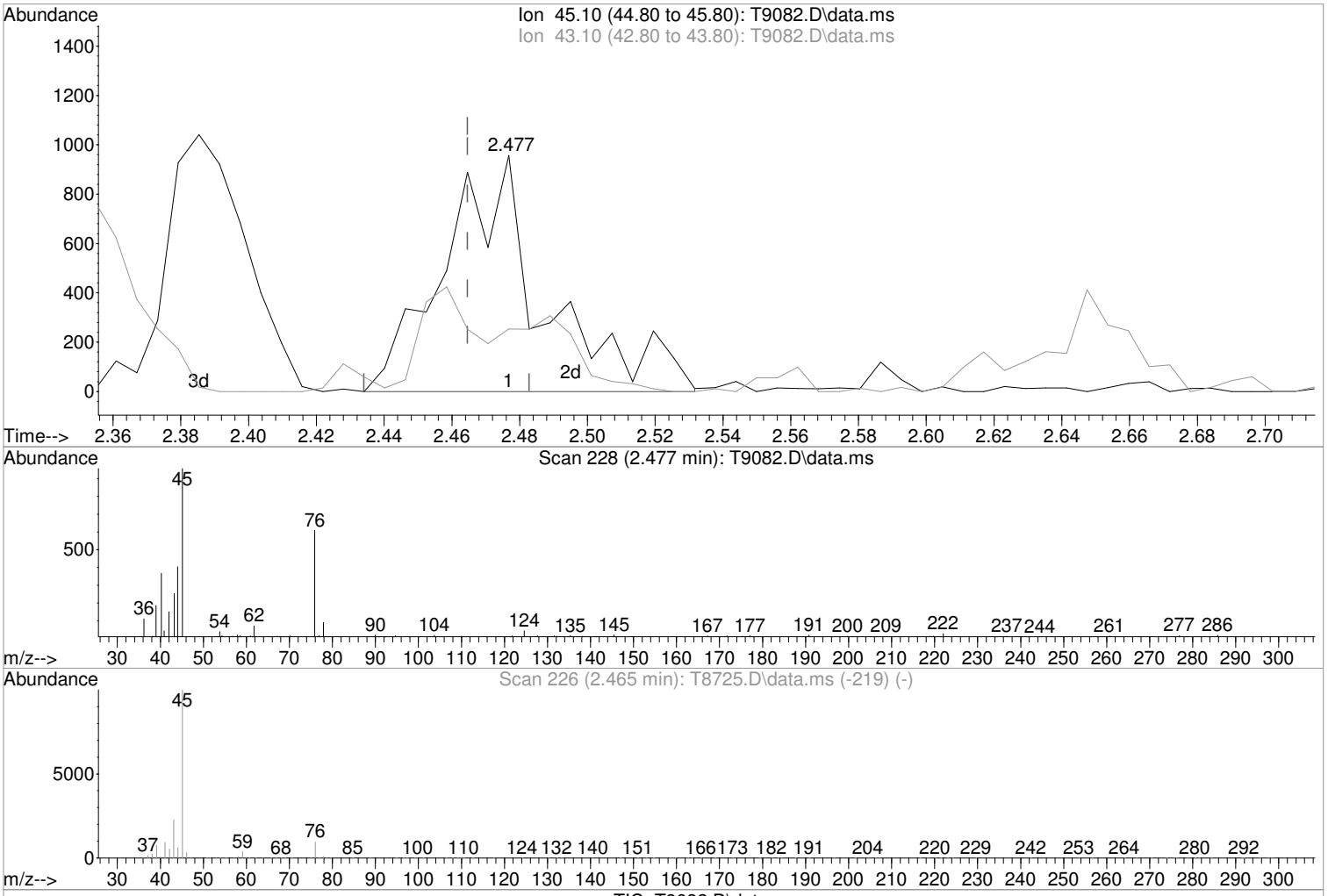


1st FN 09/27/21
2nd 09/27/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9082.D
Acq On : 25 Sep 2021 5:38 pm
Operator : F.NAEGLER
Sample : R2109635-015|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 25 18:44:31 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



TIC: T9082.D\data.ms

(16) 2-Propanol

2.477min (+0.012) 7.73 ug/L m

response 1965

Ion	Exp%	Act%
45.10	100	100
43.10	22.80	26.44
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

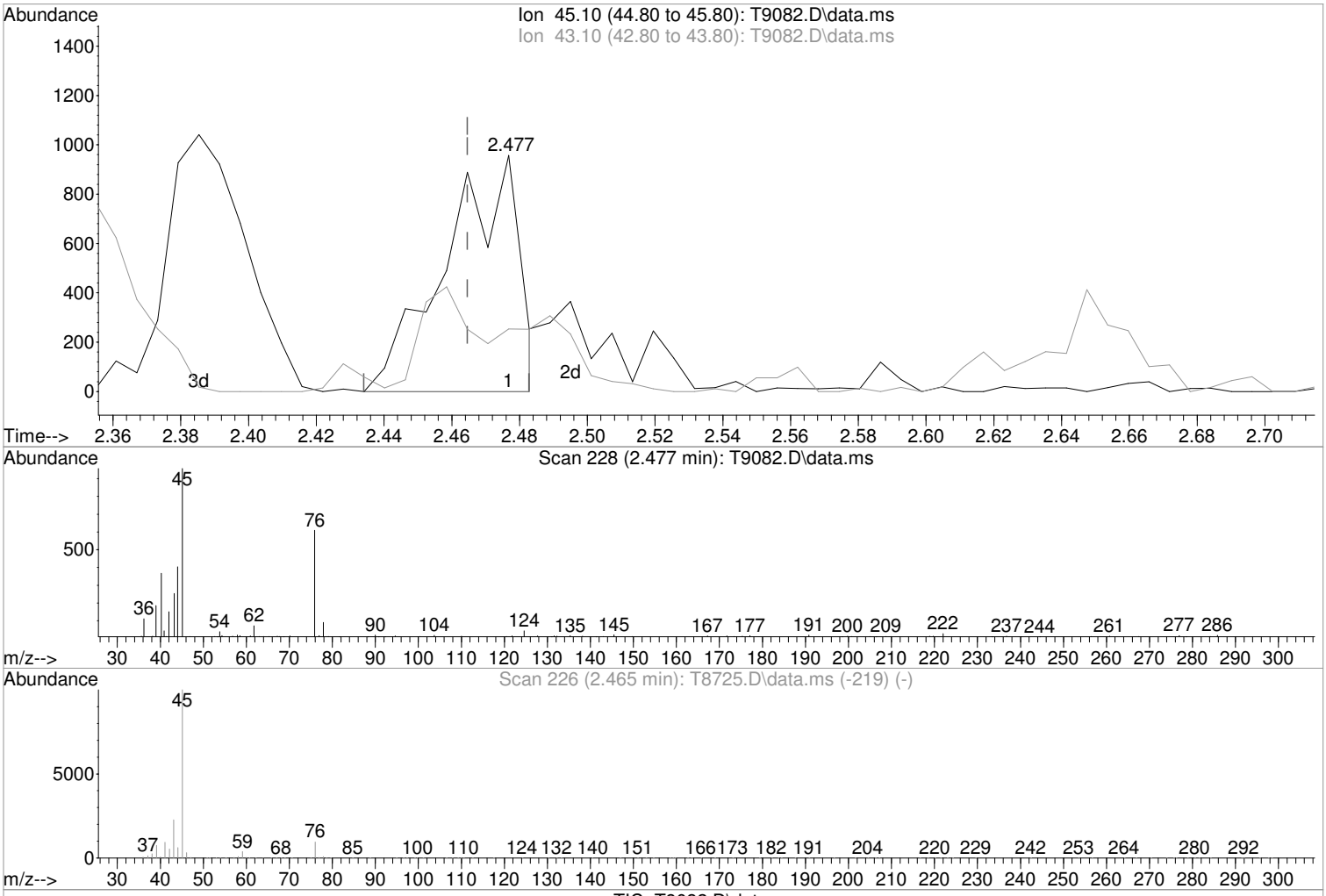
Poor integration.

09/27/21

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9082.D
Acq On : 25 Sep 2021 5:38 pm
Operator : F.NAEGLER
Sample : R2109635-015|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 25 18:44:31 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



TIC: T9082.D\data.ms

(16) 2-Propanol

2.477min (+0.012) 5.65 ug/L

response 1436

Ion	Exp%	Act%
45.10	100	100
43.10	22.80	26.44
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9082.D
Acq On : 25 Sep 2021 5:38 pm
Operator : F.NAEGLER
Sample : R2109635-015|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 27 16:37:39 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

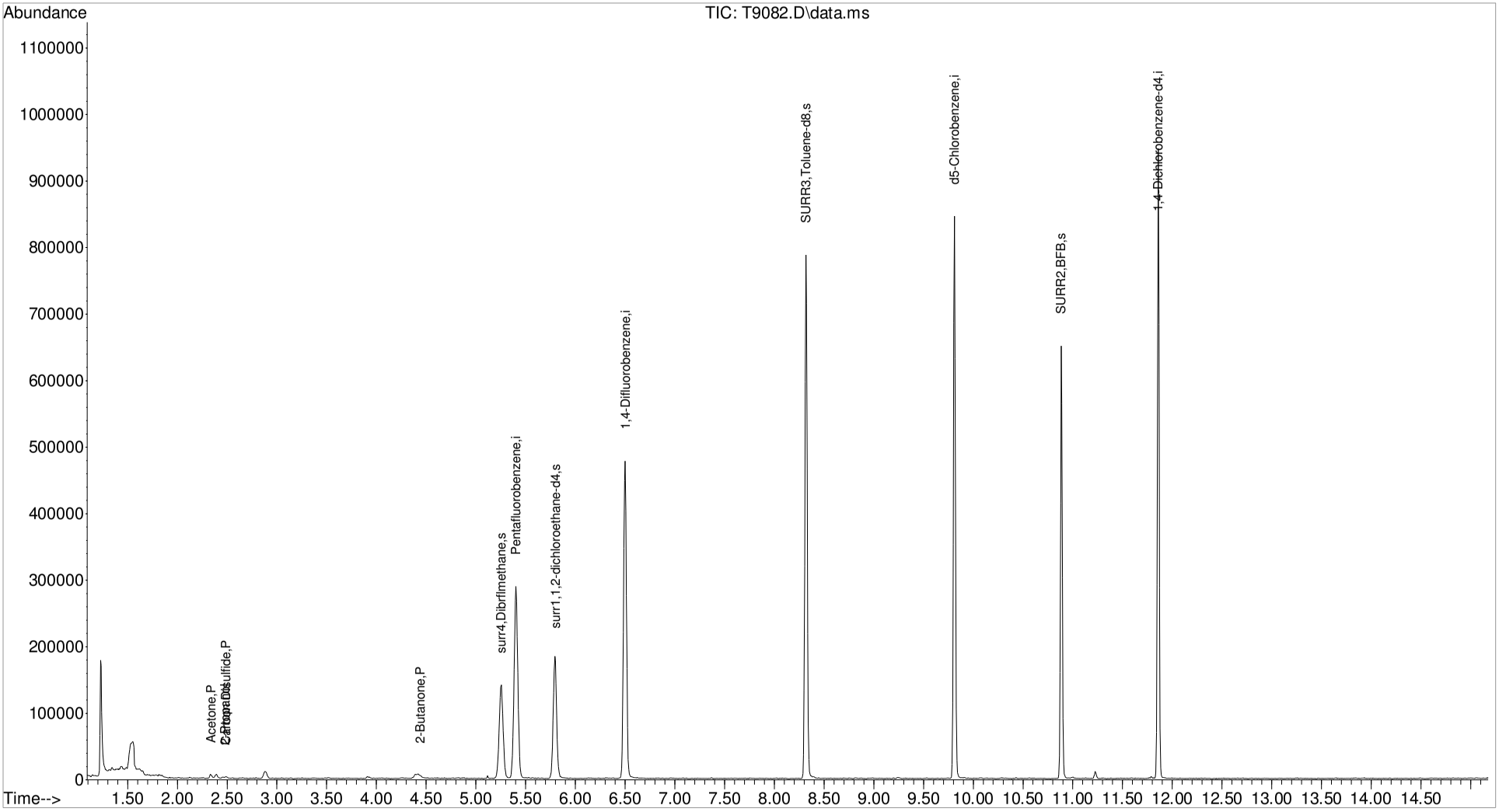
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	258540	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	411911	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	354925	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	172512	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	117694	51.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.36%			
46) surr1,1,2-dichloroetha...	5.799	65	153965	51.61	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.22%			
64) SURR3,Toluene-d8	8.317	98	470811	50.66	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.32%			
69) SURR2,BFB	10.884	95	162978	47.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.50%			
Target Compounds						Qvalue
15) Acetone	2.337	43	6139	5.13	ug/L	99
16) 2-Propanol	2.477	45	1965m	7.73	ug/L	
18) Carbon Disulfide	2.483	76	1700	0.35	ug/L	91
34) 2-Butanone	4.440	43	7202	4.13	ug/L	92

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

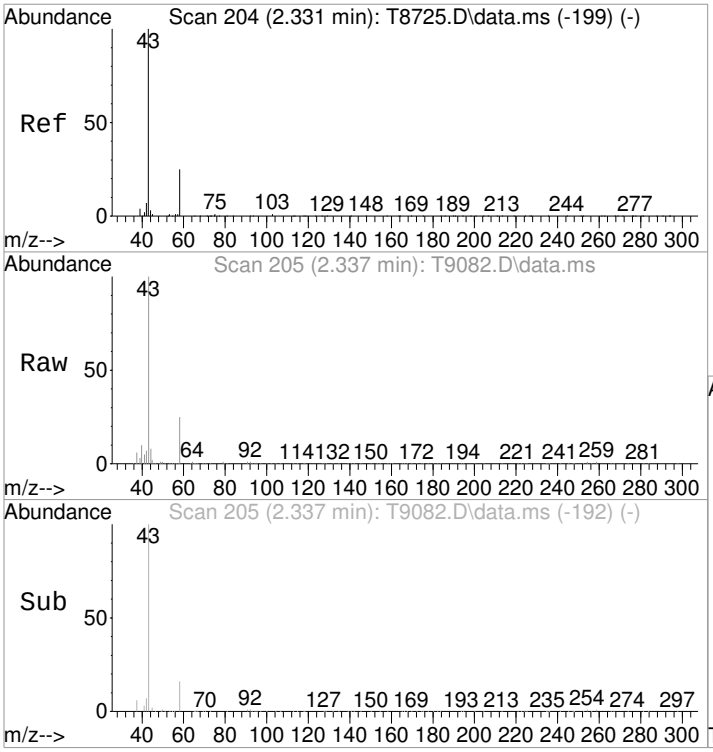
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9082.D
Acq On : 25 Sep 2021 5:38 pm
Operator : F.NAEGLER
Sample : R2109635-015|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 27 16:37:39 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



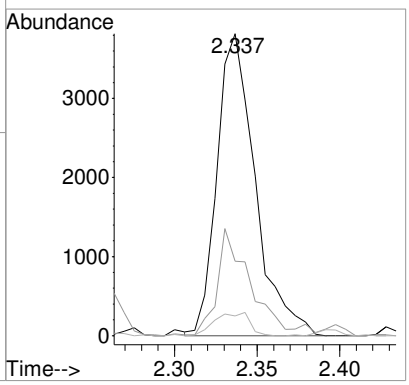
1st FJ 09/27/21
2nd 09/27/21

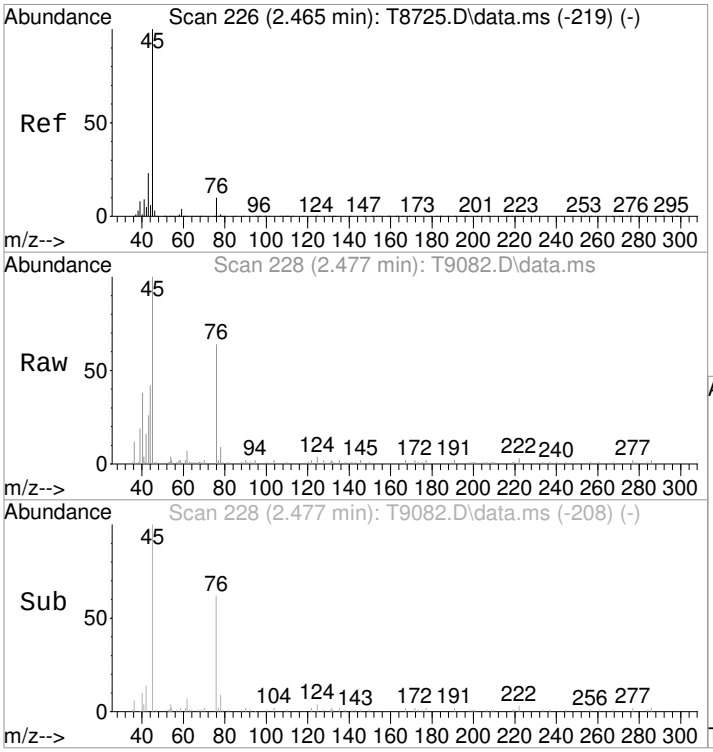


#15
Acetone
Concen: 5.13 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9082.D
Acq: 25 Sep 2021 5:38 pm

Tgt Ion: 43 Resp: 6139

Ion	Ratio	Lower	Upper
43	100		
58	24.6	4.9	44.9
42	6.5	0.0	27.1

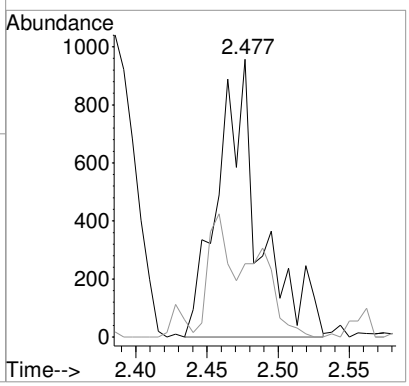


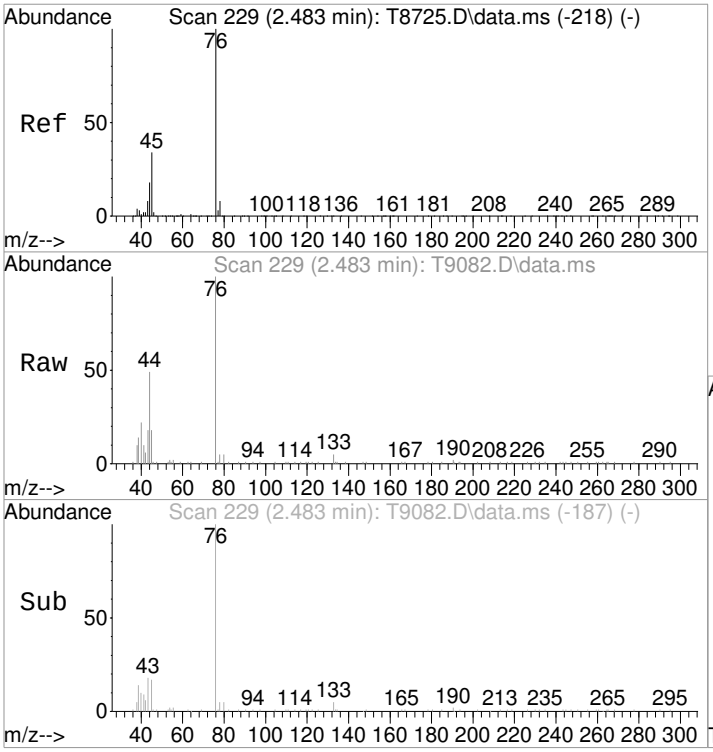


#16
2-Propanol
Concen: 7.73 ug/L m
RT: 2.477 min Scan# 228
Delta R.T. 0.012 min
Lab File: T9082.D
Acq: 25 Sep 2021 5:38 pm

Tgt Ion: 45 Resp: 1965

Ion	Ratio	Lower	Upper
45	100		
43	26.4	2.8	42.8

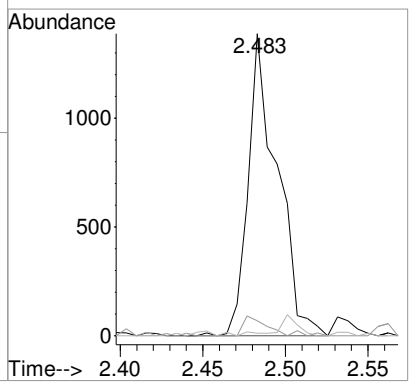


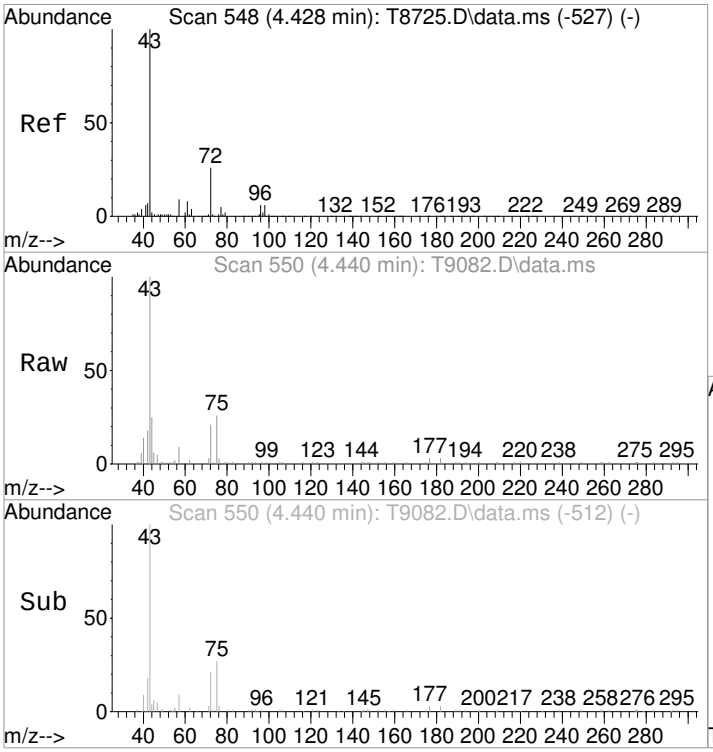


#18
Carbon Disulfide
Concen: 0.35 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T9082.D
Acq: 25 Sep 2021 5:38 pm

Tgt Ion: 76 Resp: 1700

Ion	Ratio	Lower	Upper
76	100		
78	5.0	0.0	28.4
77	0.8	0.0	22.7

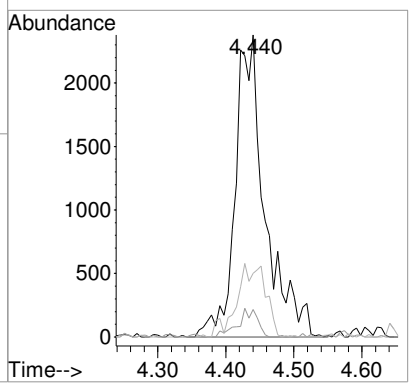




#34
2-Butanone
Concen: 4.13 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.012 min
Lab File: T9082.D
Acq: 25 Sep 2021 5:38 pm

Tgt Ion: 43 Resp: 7202

Ion	Ratio	Lower	Upper
43	100		
57	9.1	0.0	28.5
72	21.1	6.2	46.2



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9083.D
Acq On : 25 Sep 2021 6:00 pm
Operator : F.NAEGLER
Sample : R2109635-016|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 27 16:38:55 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

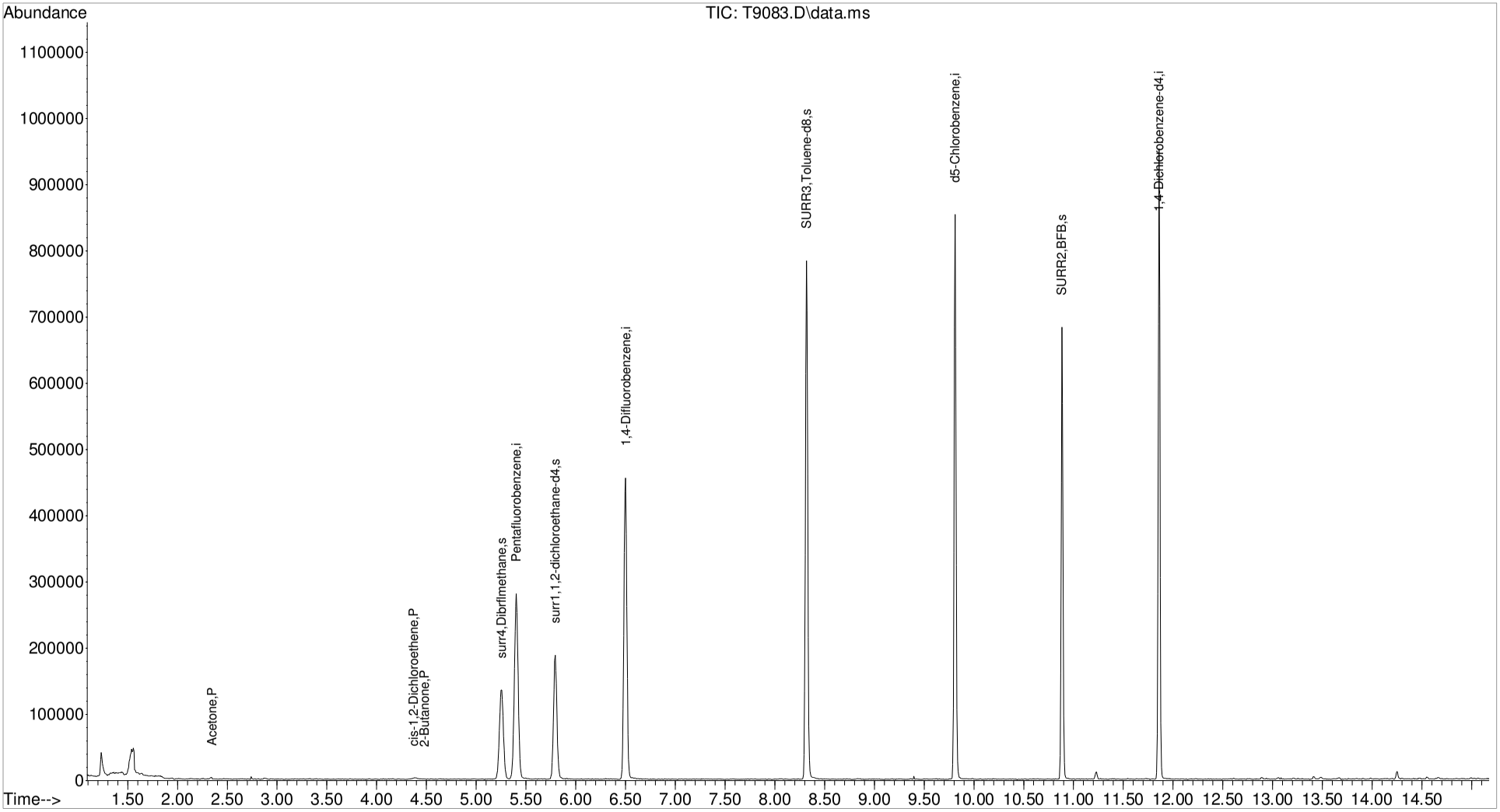
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	250768	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	393527	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	356302	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	177074	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	113226	51.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 103.06%			
46) surr1,1,2-dichloroetha...	5.793	65	153436	53.84	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.68%			
64) SURR3,Toluene-d8	8.317	98	479679	54.03	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 108.06%			
69) SURR2,BFB	10.884	95	167881	50.95	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.90%			
Target Compounds						Qvalue
15) Acetone	2.343	43	2159	1.86	ug/L	96
33) cis-1,2-Dichloroethene	4.373	96	1213	0.47	ug/L	93
34) 2-Butanone	4.476	43	983	0.58	ug/L	91

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

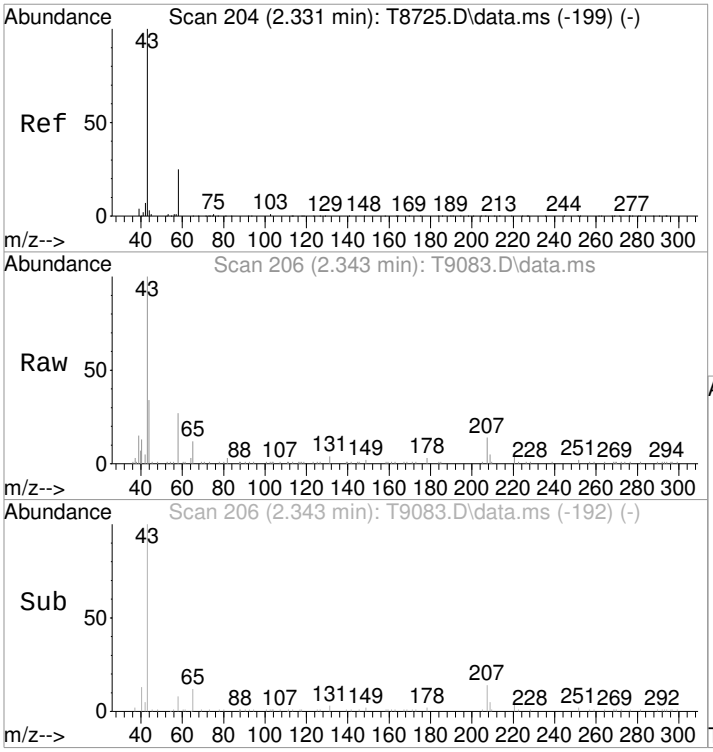
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9083.D
Acq On : 25 Sep 2021 6:00 pm
Operator : F.NAEGLER
Sample : R2109635-016|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 27 16:38:55 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



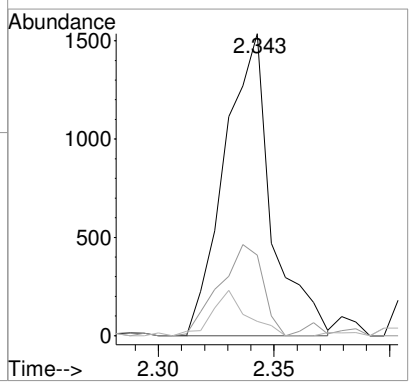
1st 09/27/21
2nd 09/27/21

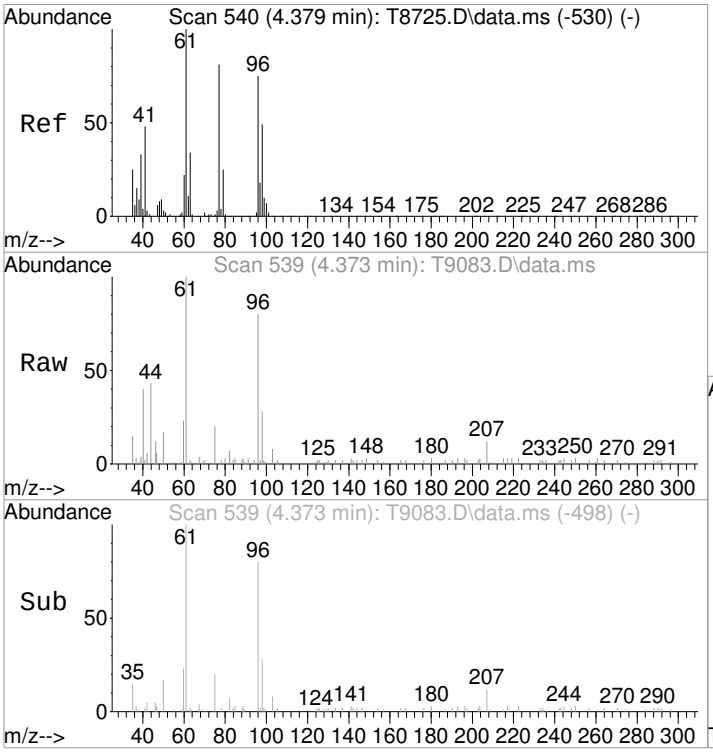


#15
Acetone
Concen: 1.86 ug/L
RT: 2.343 min Scan# 206
Delta R.T. 0.012 min
Lab File: T9083.D
Acq: 25 Sep 2021 6:00 pm

Tgt Ion: 43 Resp: 2159

Ion	Ratio	Lower	Upper
43	100		
58	26.6	4.9	44.9
42	4.8	0.0	27.1

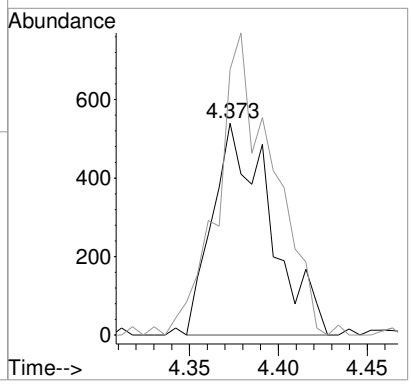


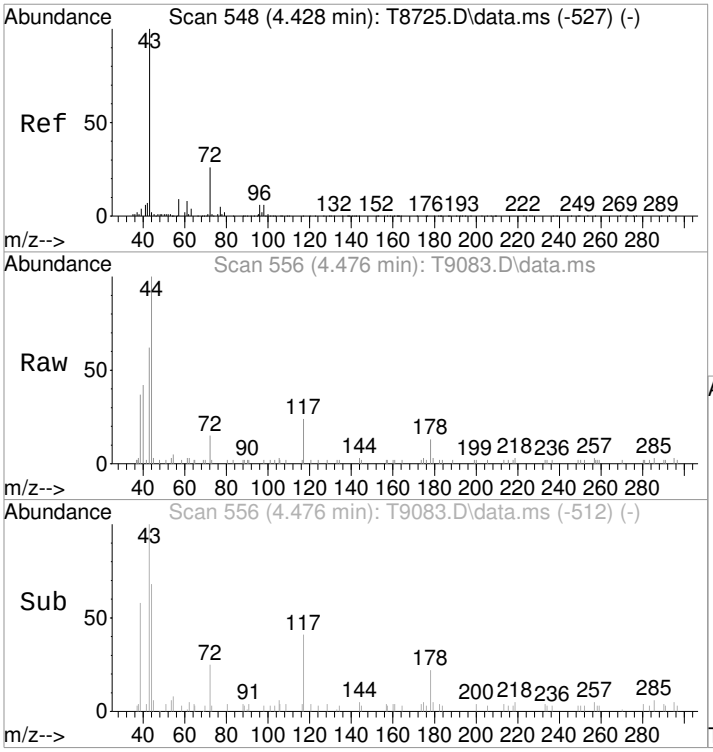


#33
cis-1,2-Dichloroethene
Concen: 0.47 ug/L
RT: 4.373 min Scan# 539
Delta R.T. -0.006 min
Lab File: T9083.D
Acq: 25 Sep 2021 6:00 pm

Tgt Ion: 96 Resp: 1213

Ion	Ratio	Lower	Upper
96	100		
61	125.4	113.1	153.1

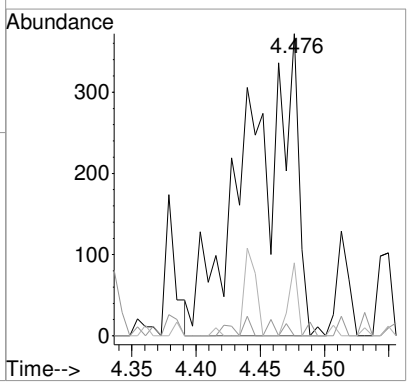




#34
2-Butanone
Concen: 0.58 ug/L
RT: 4.476 min Scan# 556
Delta R.T. 0.049 min
Lab File: T9083.D
Acq: 25 Sep 2021 6:00 pm

Tgt Ion: 43 Resp: 983

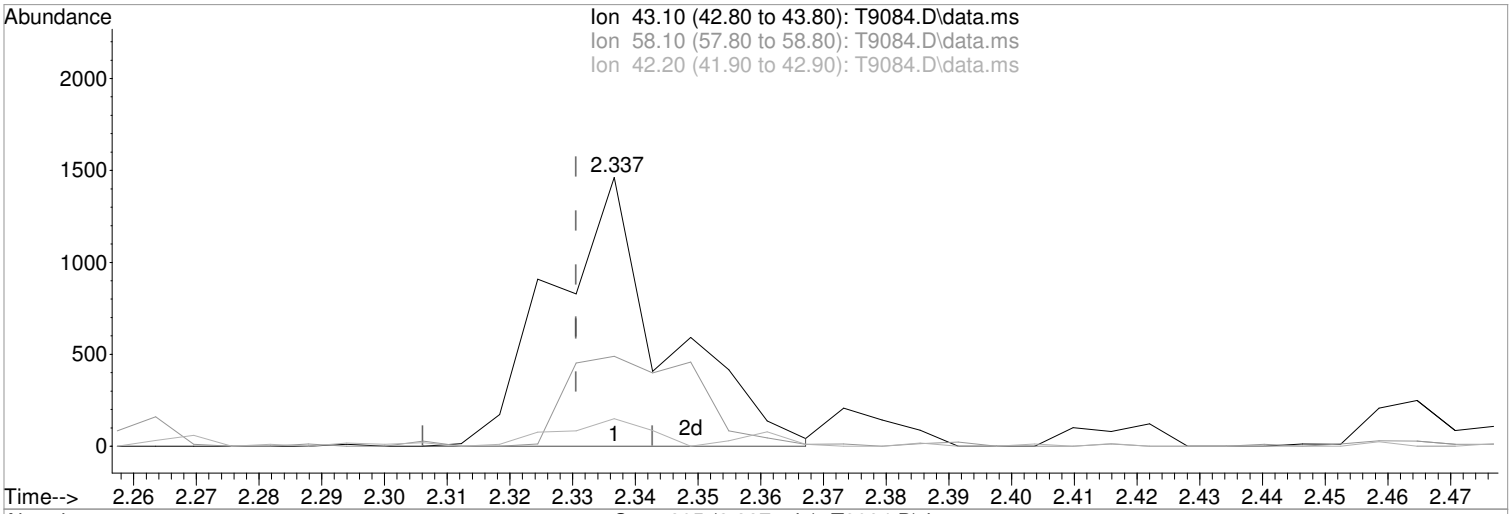
Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.5
72	24.2	6.2	46.2

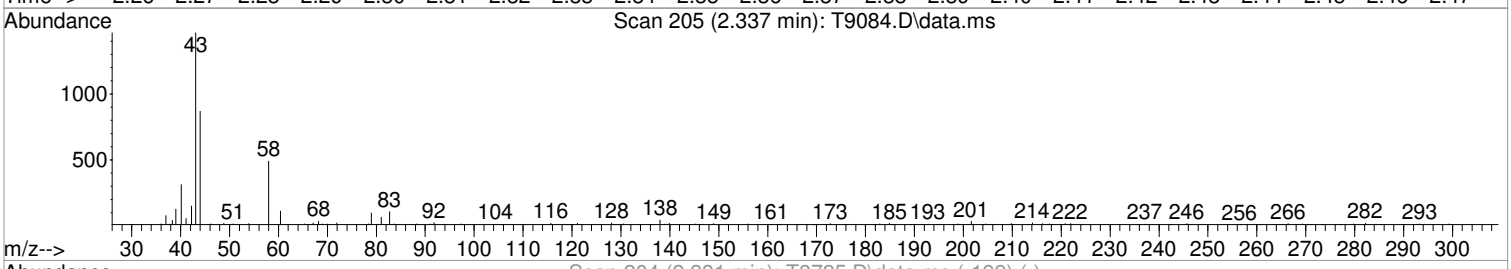


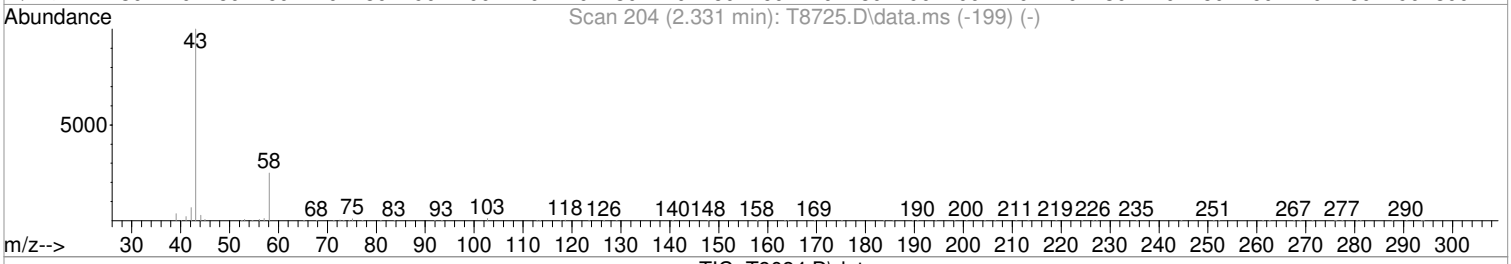
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9084.D
Acq On : 25 Sep 2021 6:22 pm
Operator : F.NAEGLER
Sample : R2109635-017|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 25 18:44:48 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9084.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 1.46 ug/L m

response 1822

Ion	Exp%	Act%
43.10	100	100
58.10	24.90	33.49
42.20	7.10	10.25
0.00	0.00	0.00

Manual Integration:

After

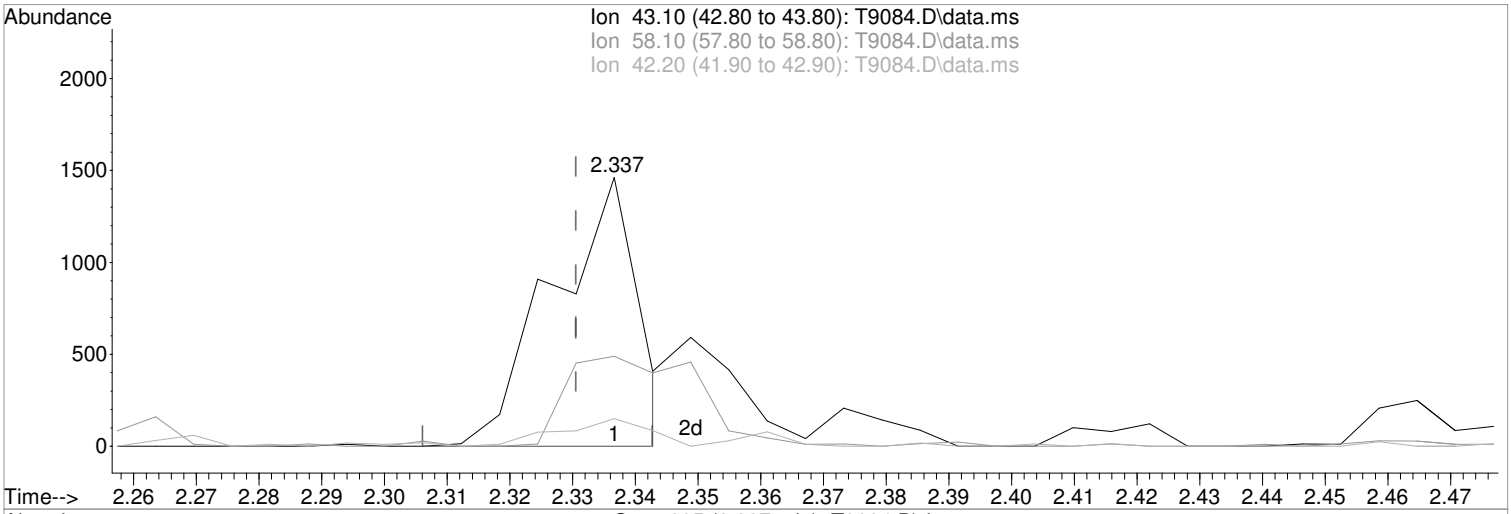
Poor integration.

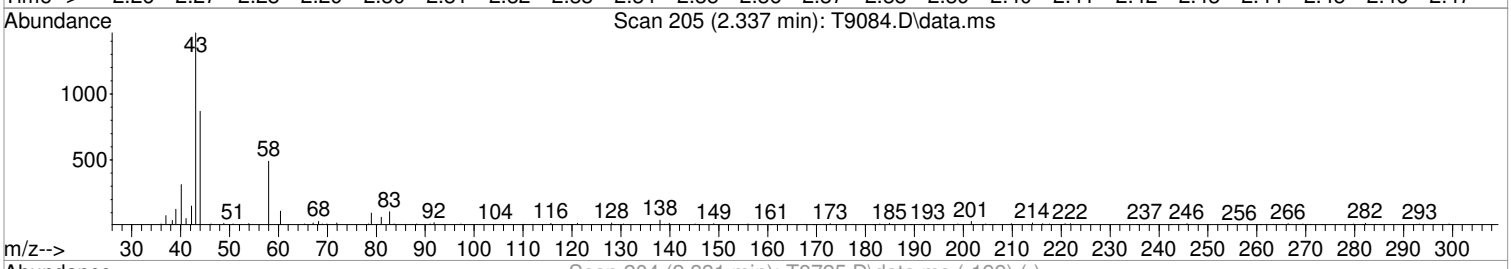
09/27/21

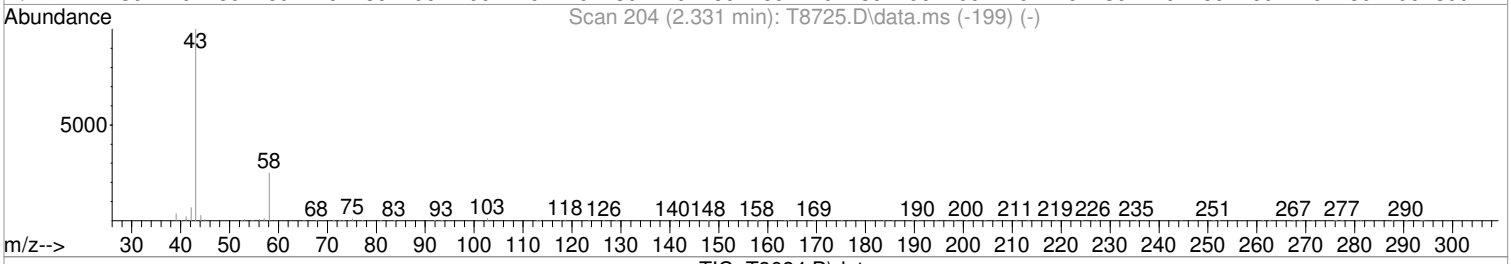
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9084.D
Acq On : 25 Sep 2021 6:22 pm
Operator : F.NAEGLER
Sample : R2109635-017|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 25 18:44:48 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9084.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 1.11 ug/L

response 1388

Ion	Exp%	Act%
43.10	100	100
58.10	24.90	33.49
42.20	7.10	10.25
0.00	0.00	0.00

Manual Integration:

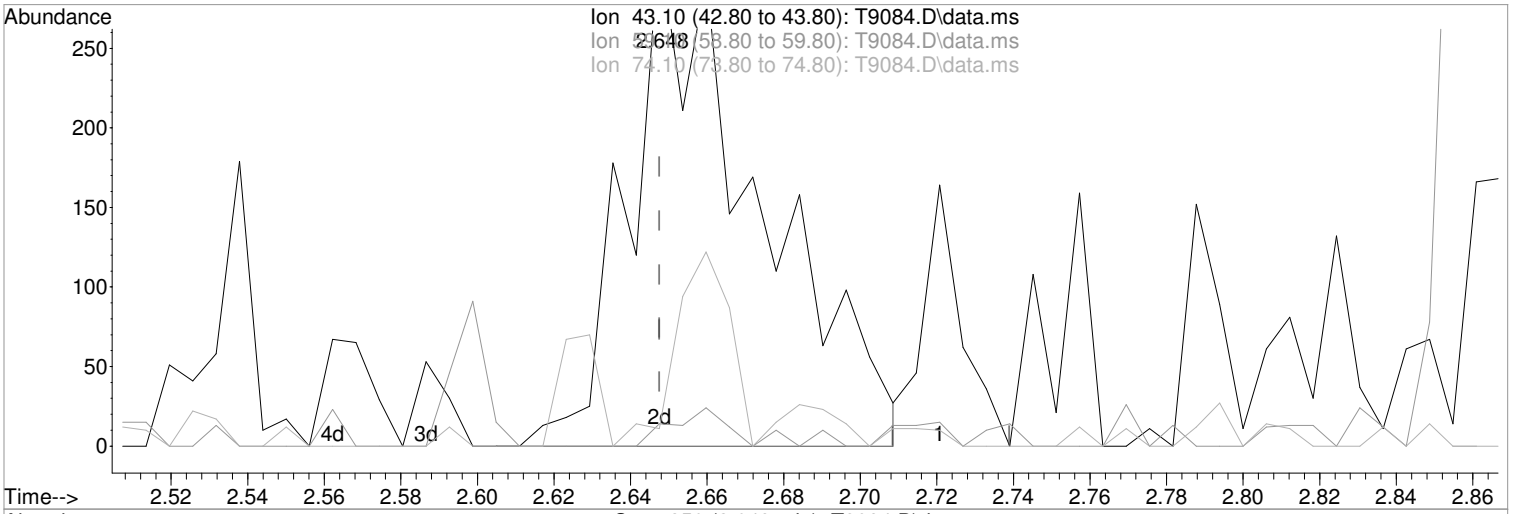
Before

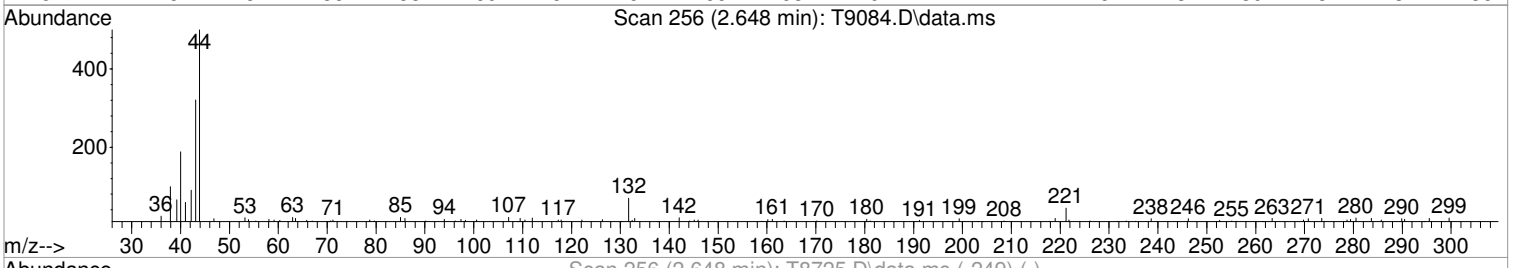
09/27/21

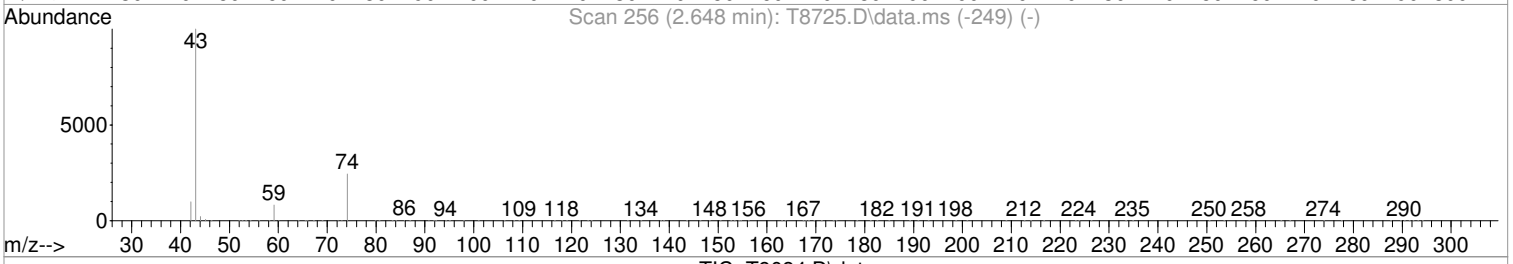
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9084.D
Acq On : 25 Sep 2021 6:22 pm
Operator : F.NAEGLER
Sample : R2109635-017|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 25 18:44:48 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9084.D\data.ms

(21) Methyl Acetate (P)

2.648min (-0.000) 0.24 ug/L m

response 736

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	4.36
74.10	24.40	3.43#
0.00	0.00	0.00

Manual Integration:

After

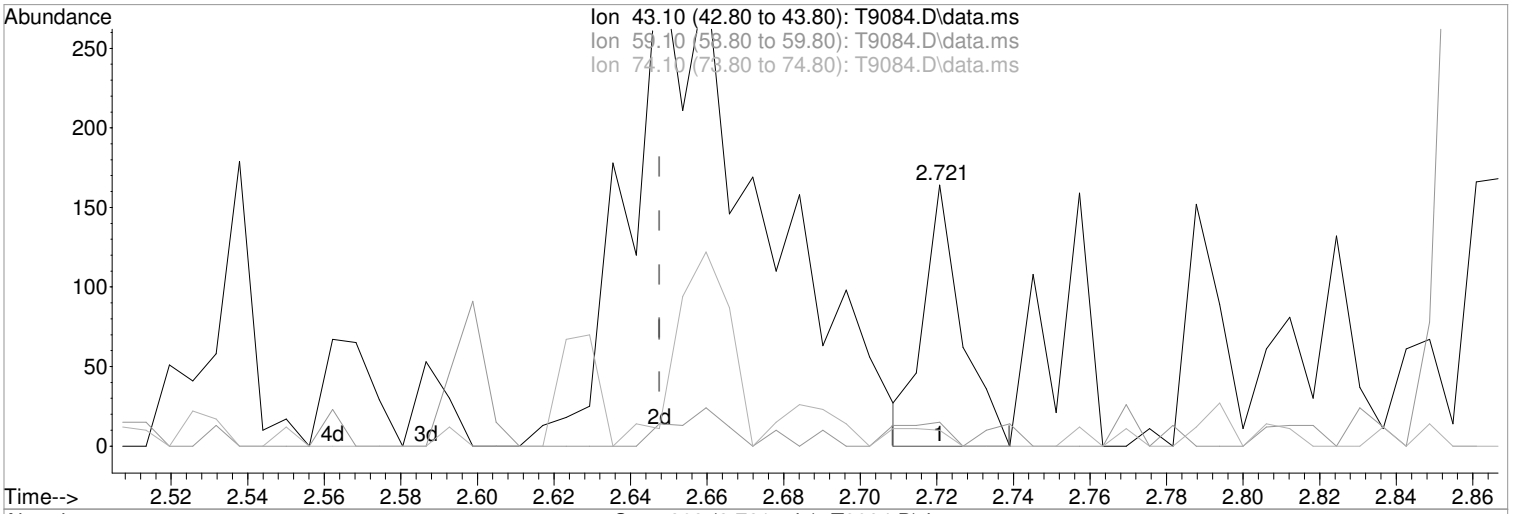
Peak not found.

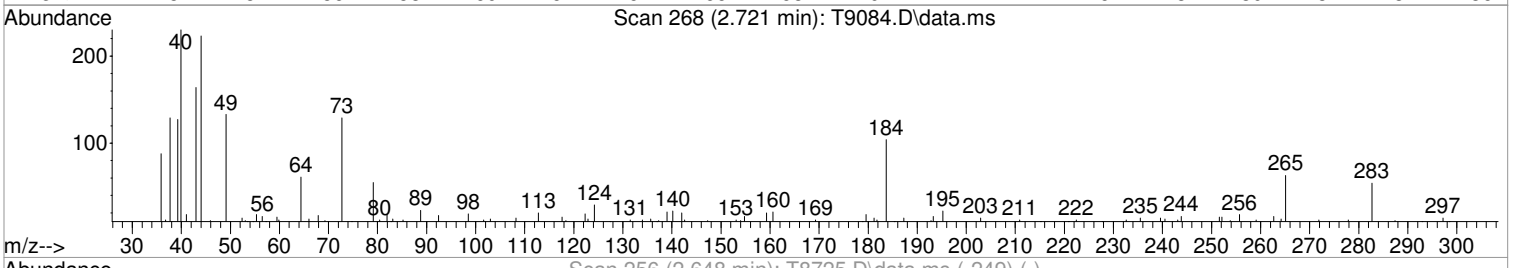
09/27/21

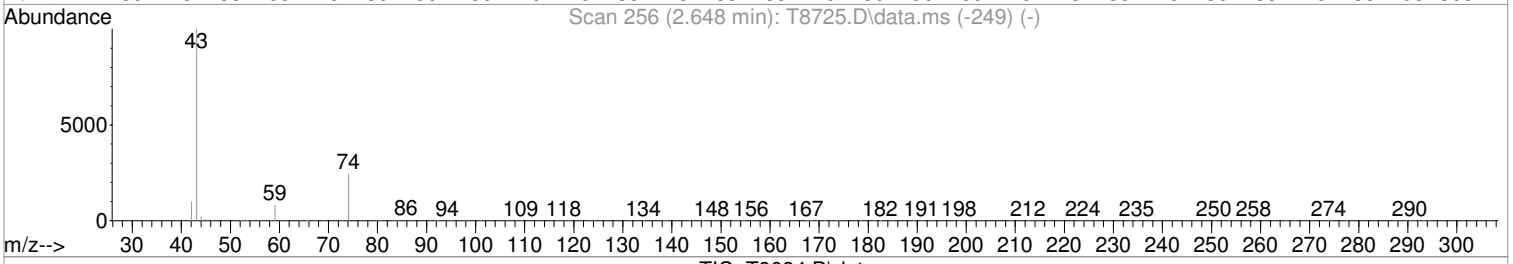
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9084.D
Acq On : 25 Sep 2021 6:22 pm
Operator : F.NAEGLER
Sample : R2109635-017|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 25 18:44:48 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9084.D\data.ms

(21) Methyl Acetate (P)

2.721min (+0.073) 0.04 ug/L

response 113

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	9.15
74.10	24.40	6.10
0.00	0.00	0.00

Manual Integration:

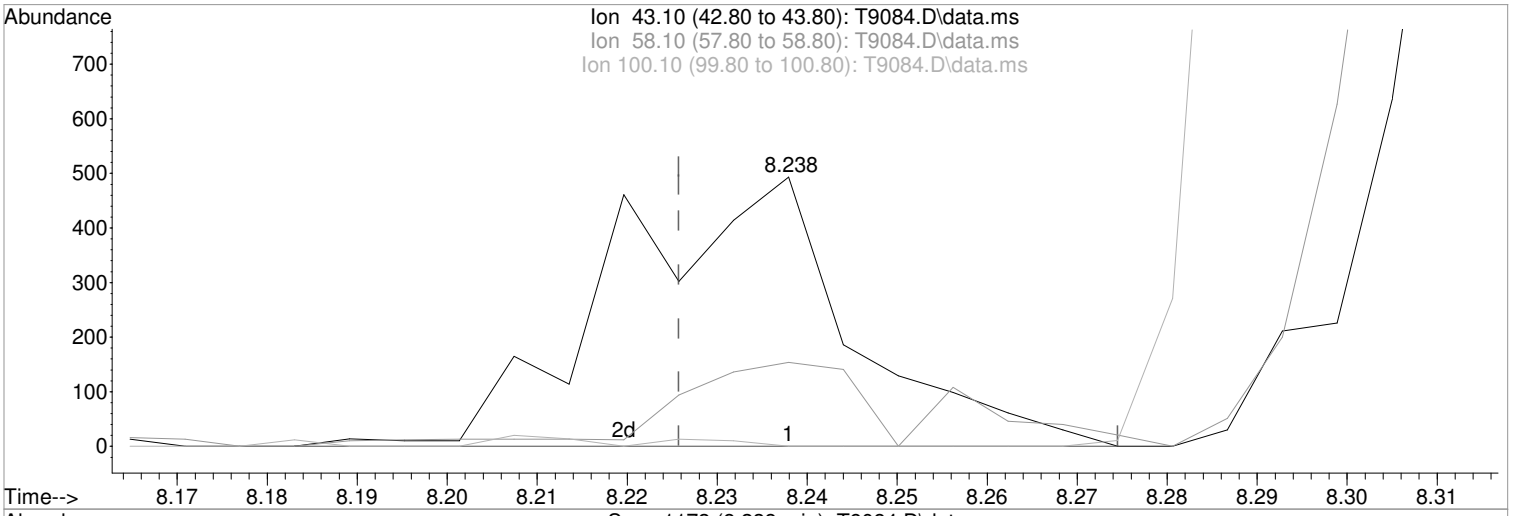
Before

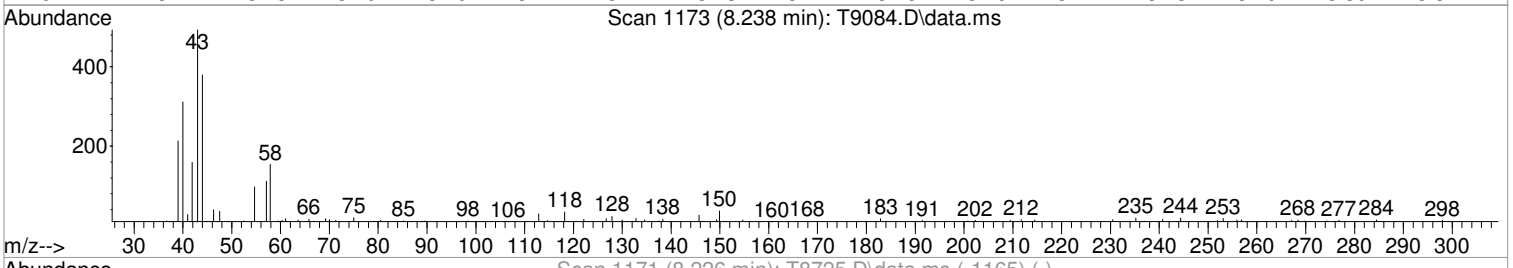
09/27/21

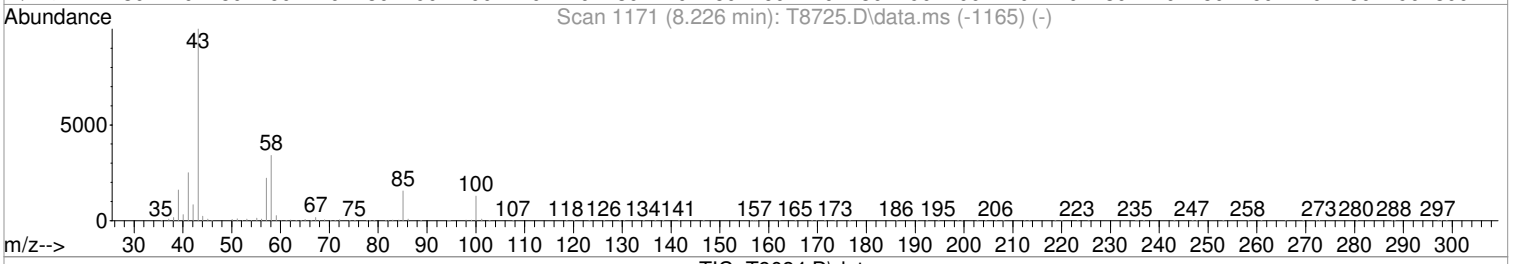
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9084.D
Acq On : 25 Sep 2021 6:22 pm
Operator : F.NAEGLER
Sample : R2109635-017|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 25 18:44:48 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9084.D\data.ms

(63) 4-Methyl-2-pentanone (P)

8.238min (+0.012) 0.27 ug/L m

response 910

Ion	Exp%	Act%
43.10	100	100
58.10	34.20	31.24
100.10	12.80	0.00
0.00	0.00	0.00

Manual Integration:

After

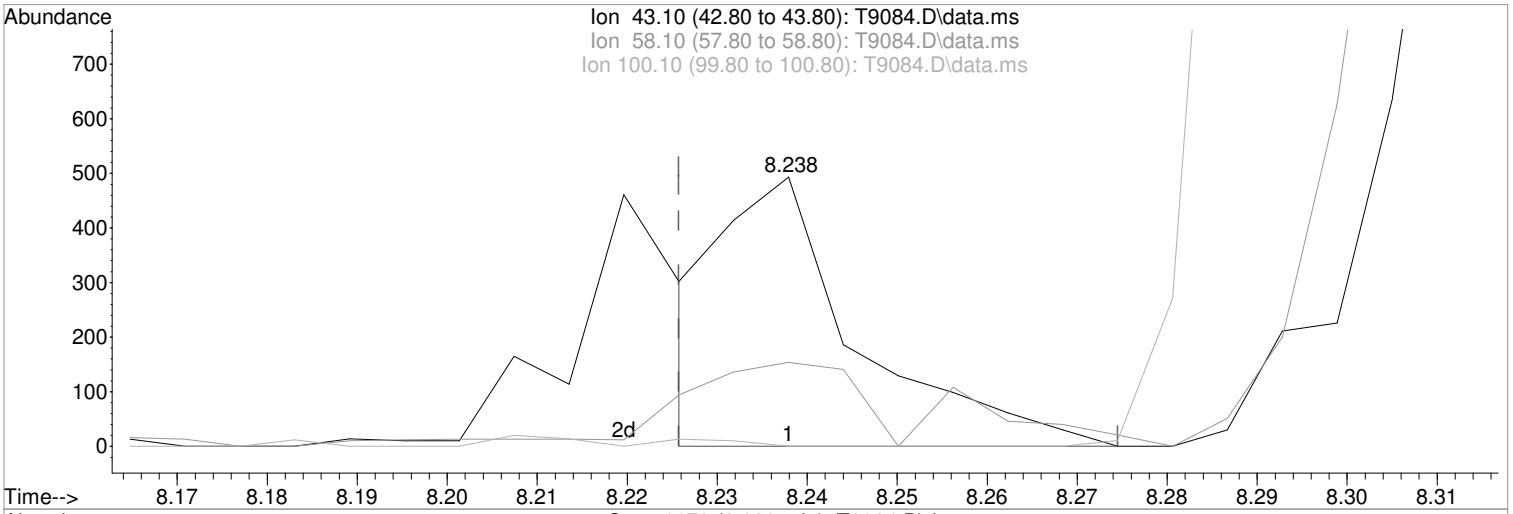
Poor integration.

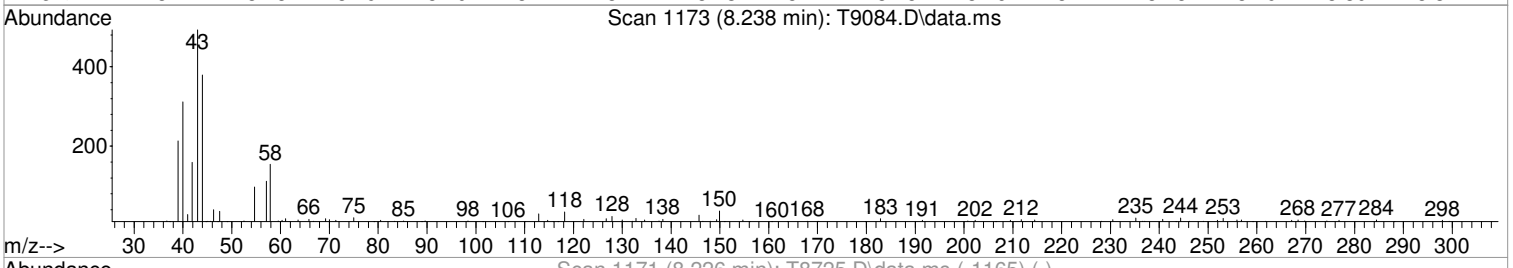
09/27/21

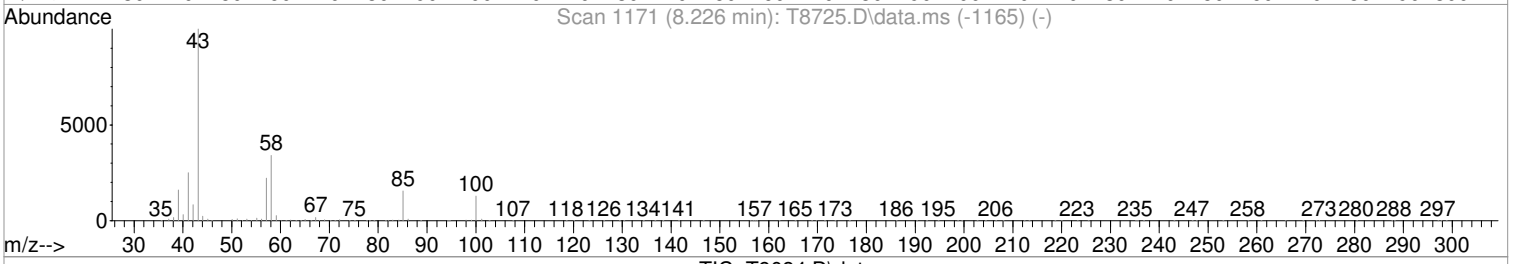
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9084.D
Acq On : 25 Sep 2021 6:22 pm
Operator : F.NAEGLER
Sample : R2109635-017|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 25 18:44:48 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9084.D\data.ms

(63) 4-Methyl-2-pentanone (P)

8.238min (+0.012) 0.15 ug/L

response 516

Ion	Exp%	Act%
43.10	100	100
58.10	34.20	31.24
100.10	12.80	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9084.D
Acq On : 25 Sep 2021 6:22 pm
Operator : F.NAEGLER
Sample : R2109635-017|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 27 16:41:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

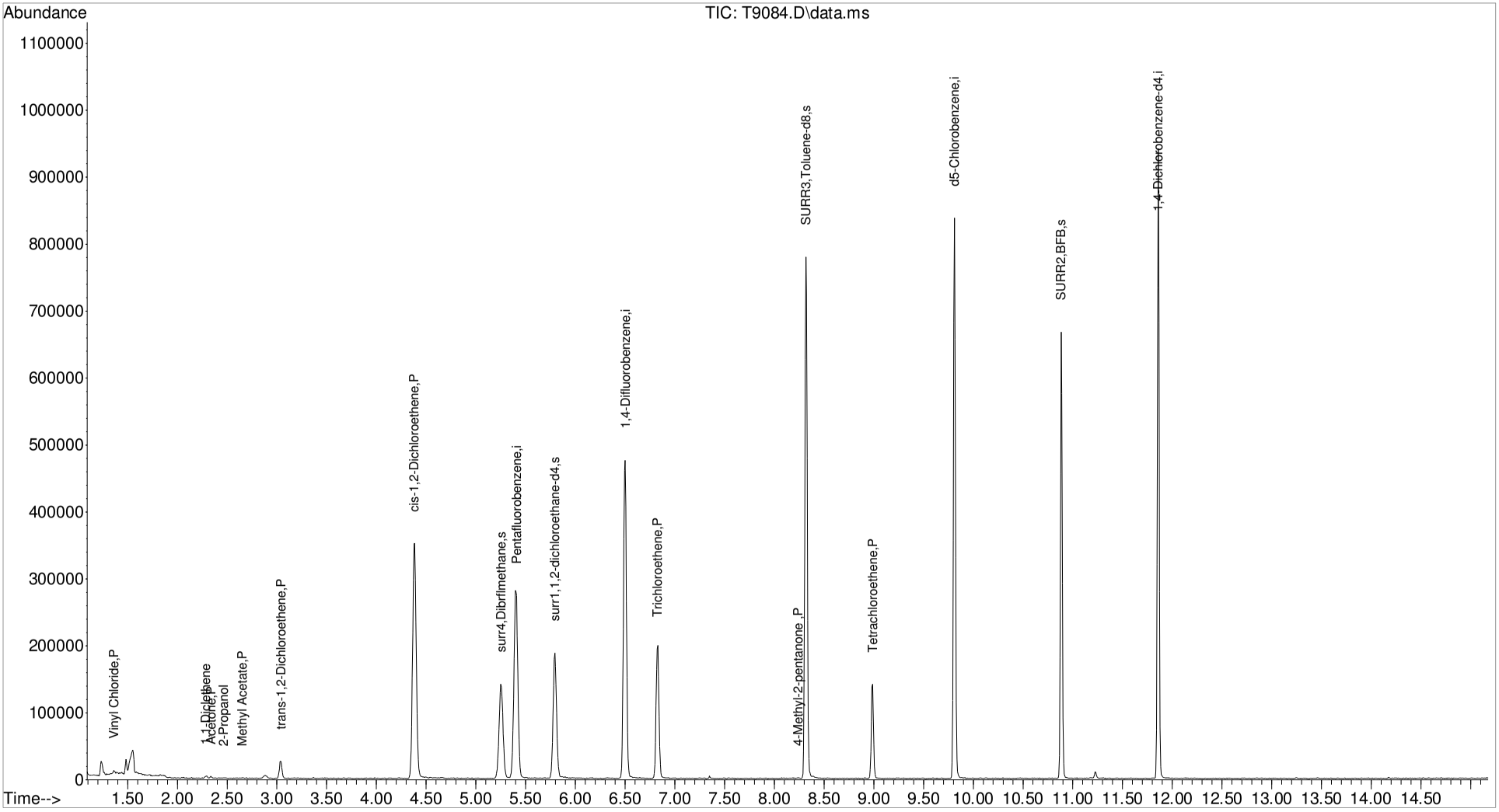
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.409	168	270021	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	417435	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	364334	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	178976	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	117880	50.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 101.16%			
46) surr1,1,2-dichloroetha...	5.793	65	158385	52.39	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.78%			
64) SURR3,Toluene-d8	8.317	98	485567	51.56	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.12%			
69) SURR2,BFB	10.884	95	167405	47.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.80%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.361	62	2135	0.62	ug/L #	1
13) 1,1-Diclethene	2.282	96	887	0.40	ug/L #	74
15) Acetone	2.337	43	1822m	1.46	ug/L	
16) 2-Propanol	2.465	45	631	2.38	ug/L #	8
21) Methyl Acetate	2.648	43	736m	0.24	ug/L	
26) trans-1,2-Dichloroethene	3.038	96	8967	3.68	ug/L	87
33) cis-1,2-Dichloroethene	4.379	96	196166	70.51	ug/L	98
53) Trichloroethene	6.824	130	67432	27.78	ug/L	96
63) 4-Methyl-2-pentanone	8.238	43	910m	0.27	ug/L	
71) Tetrachloroethene	8.988	164	26542	16.03	ug/L	97

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

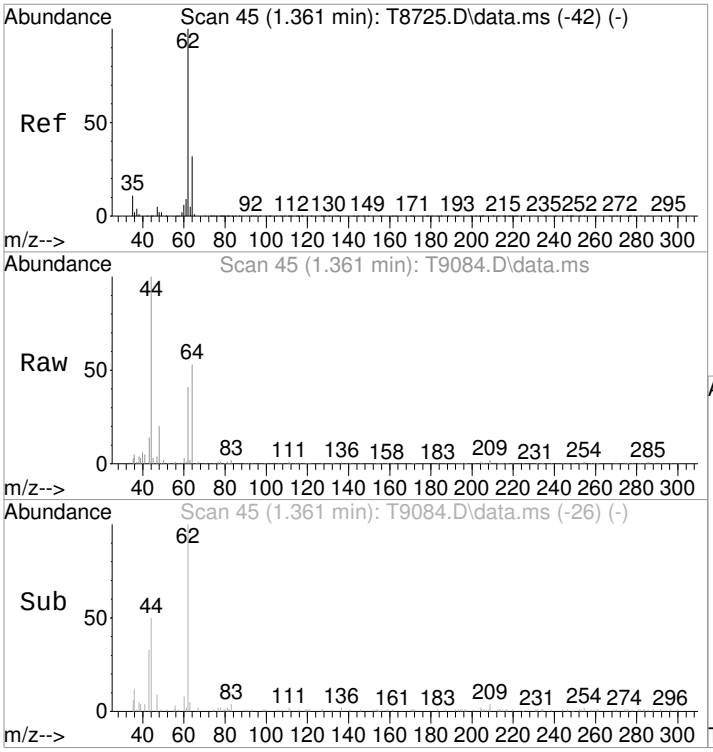
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9084.D
Acq On : 25 Sep 2021 6:22 pm
Operator : F.NAEGLER
Sample : R2109635-017|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 27 16:41:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



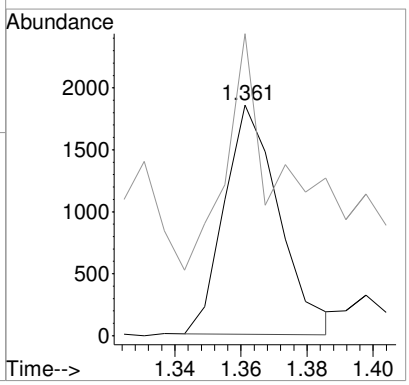
1st FJ 09/27/21
2nd 09/27/21

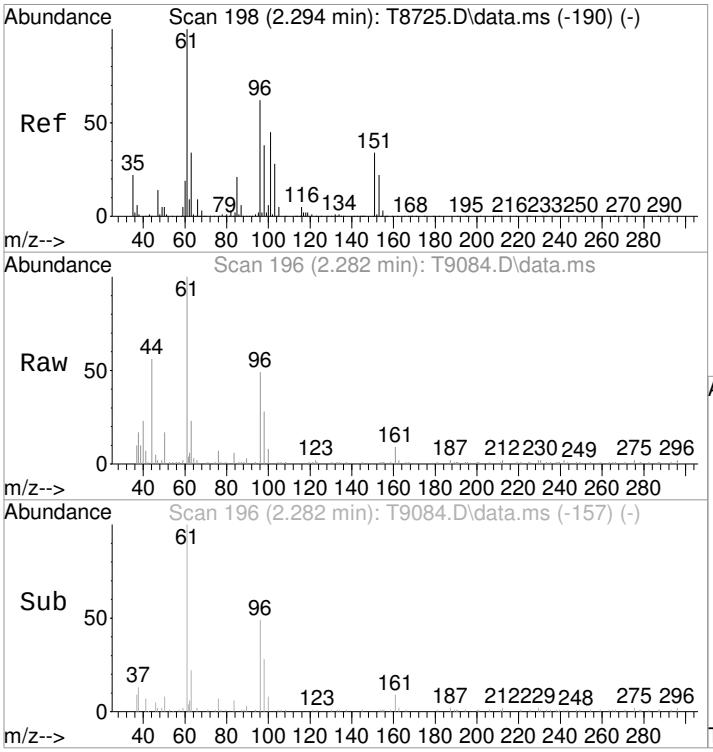


#4
Vinyl Chloride
Concen: 0.62 ug/L
RT: 1.361 min Scan# 45
Delta R.T. -0.000 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion: 62 Resp: 2135

Ion	Ratio	Lower	Upper
62	100		
64	131.0	11.9	51.9#

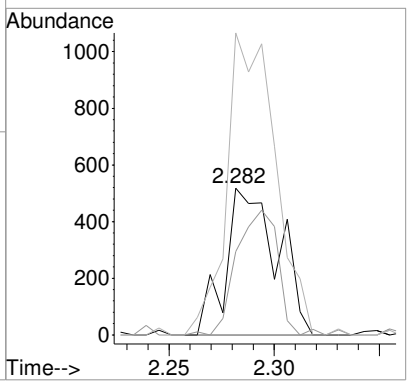


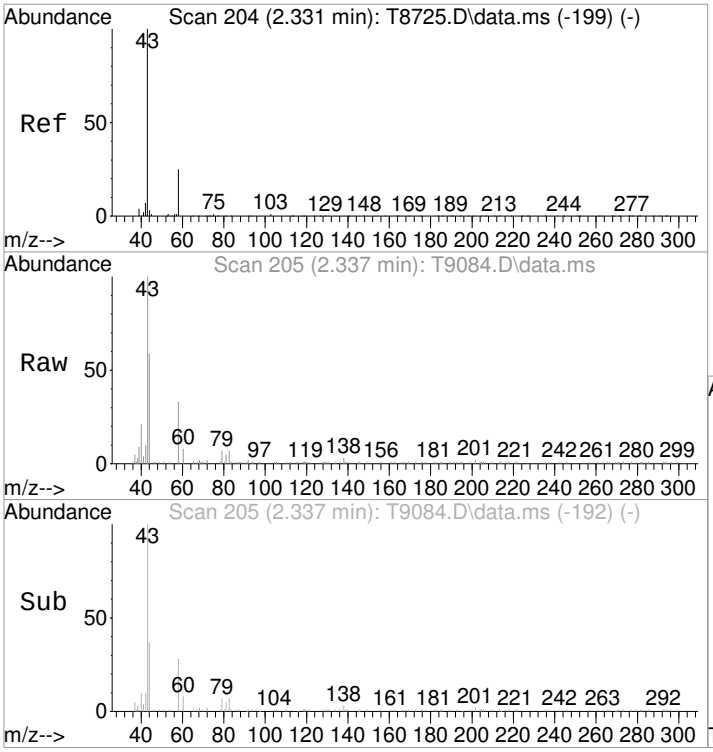


#13
1,1-Diclethene
Concen: 0.40 ug/L
RT: 2.282 min Scan# 196
Delta R.T. -0.012 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion: 96 Resp: 887

Ion	Ratio	Lower	Upper
96	100		
98	56.9	41.5	81.5
61	205.8	140.4	180.4#

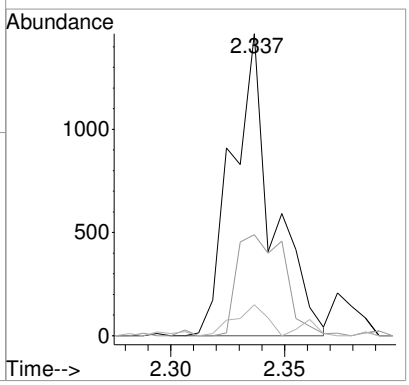


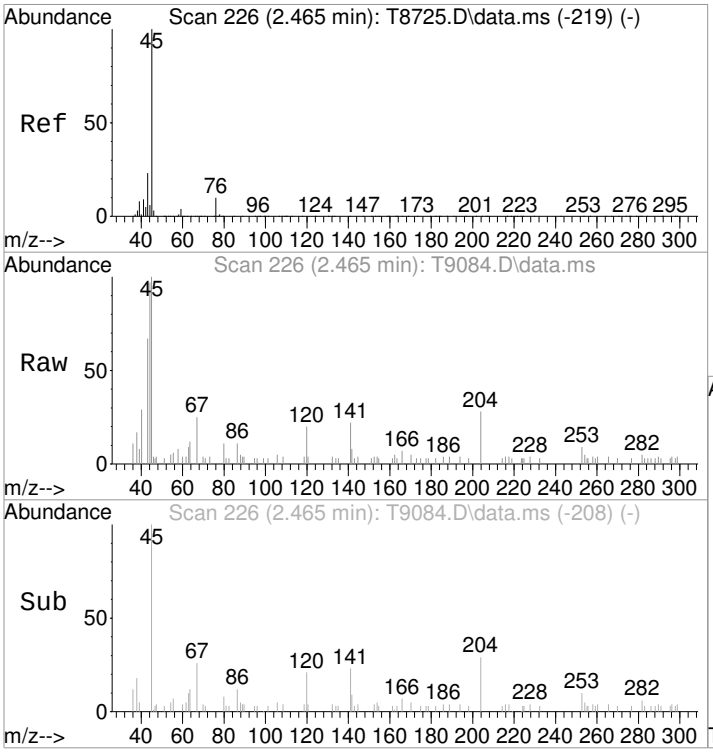


#15
Acetone
Concen: 1.46 ug/L m
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion: 43 Resp: 1822

Ion	Ratio	Lower	Upper
43	100		
58	33.5	4.9	44.9
42	10.3	0.0	27.1

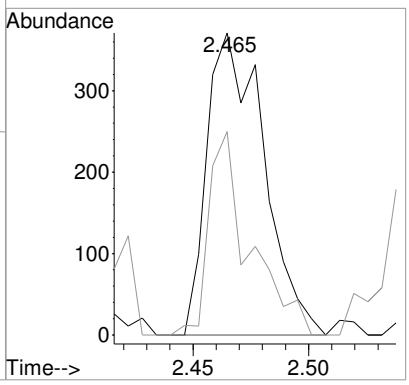


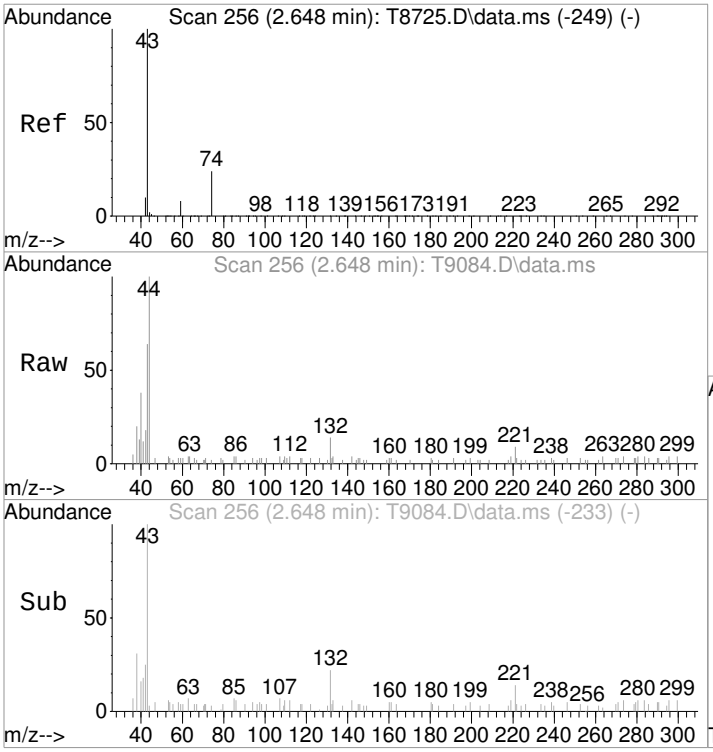


#16
2-Propanol
Concen: 2.38 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.000 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion: 45 Resp: 631

Ion	Ratio	Lower	Upper
45	100		
43	67.4	2.8	42.8#

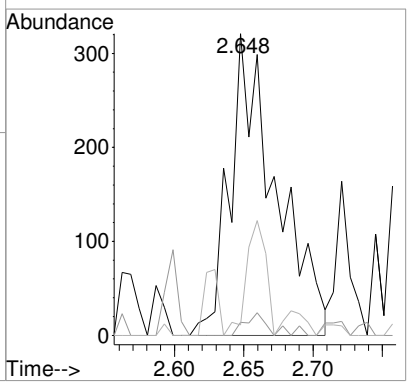


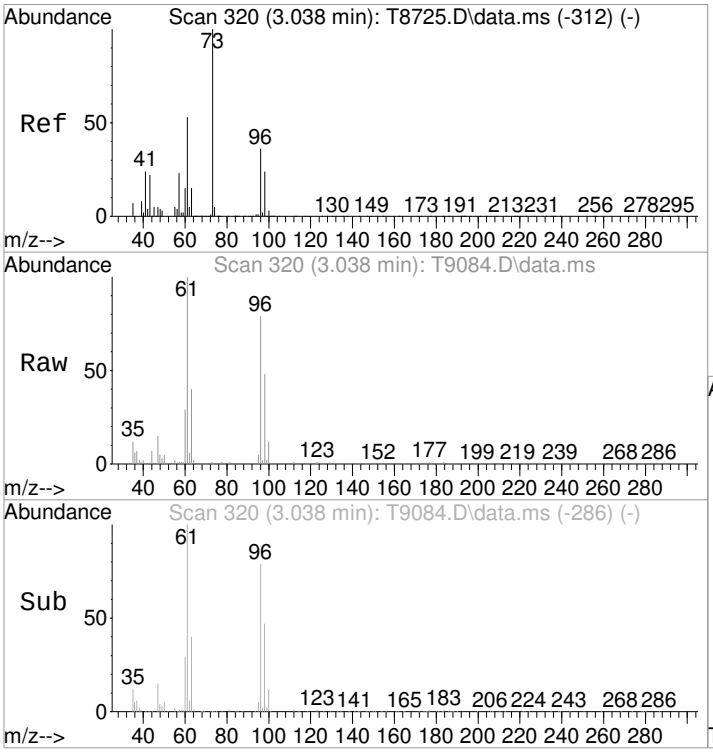


#21
Methyl Acetate
Concen: 0.24 ug/L m
RT: 2.648 min Scan# 256
Delta R.T. -0.000 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion: 43 Resp: 736

Ion	Ratio	Lower	Upper
43	100		
59	4.4	0.0	28.2
74	3.4	4.4	44.4#

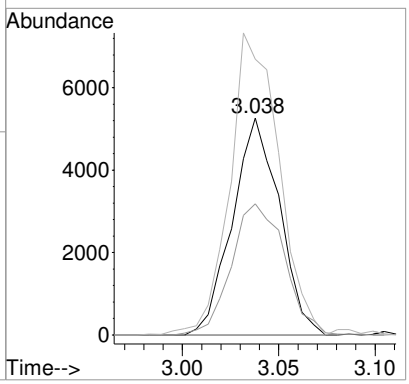


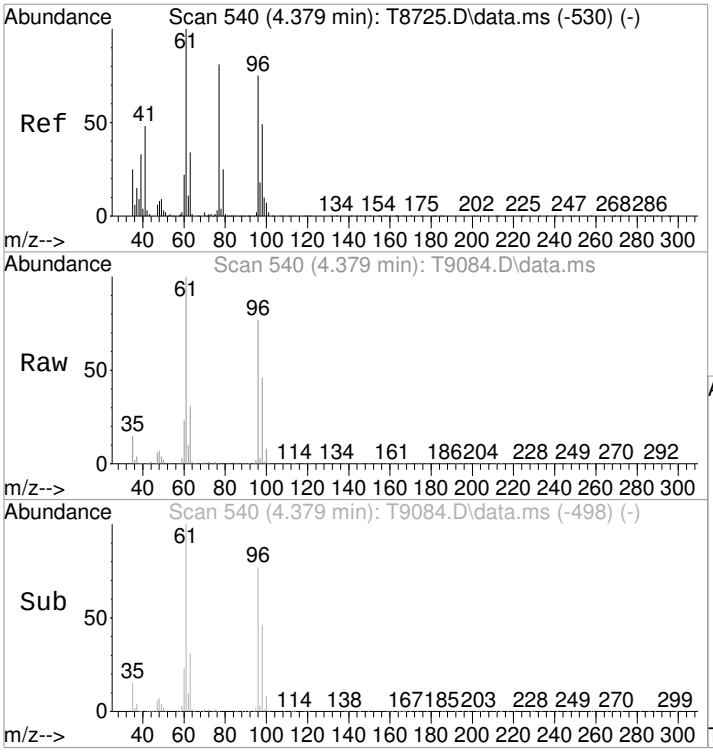


#26
trans-1,2-Dichloroethene
Concen: 3.68 ug/L
RT: 3.038 min Scan# 320
Delta R.T. -0.000 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion: 96 Resp: 8967

Ion	Ratio	Lower	Upper
96	100		
98	60.5	46.2	86.2
61	127.2	126.7	166.7

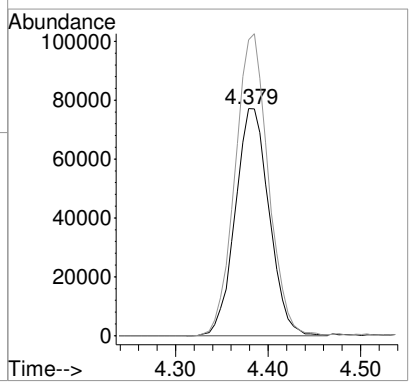


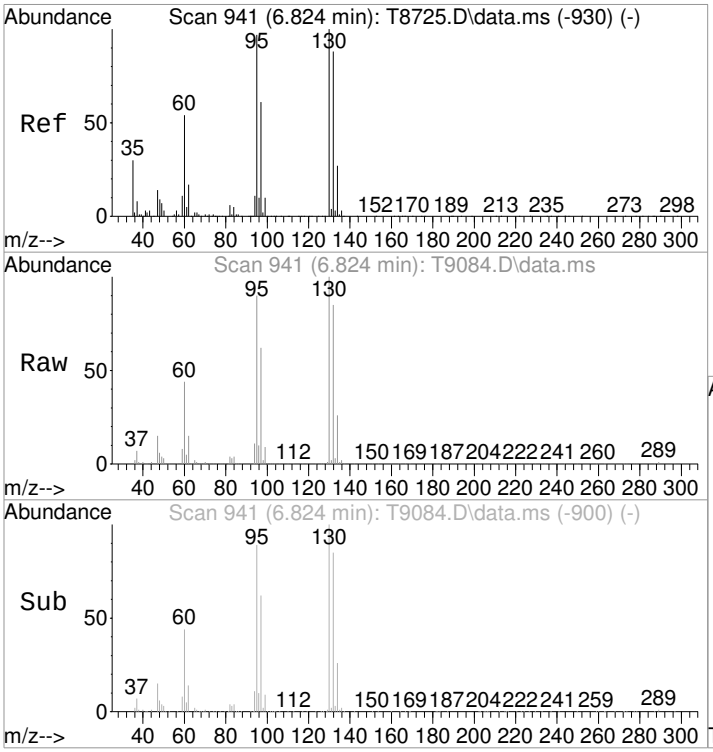


#33
cis-1,2-Dichloroethene
Concen: 70.51 ug/L
RT: 4.379 min Scan# 540
Delta R.T. -0.000 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion: 96 Resp: 196166

Ion	Ratio	Lower	Upper
96	100		
61	130.3	113.1	153.1

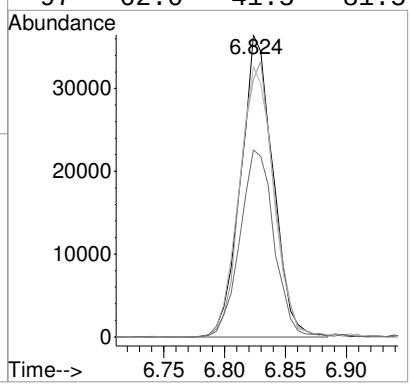


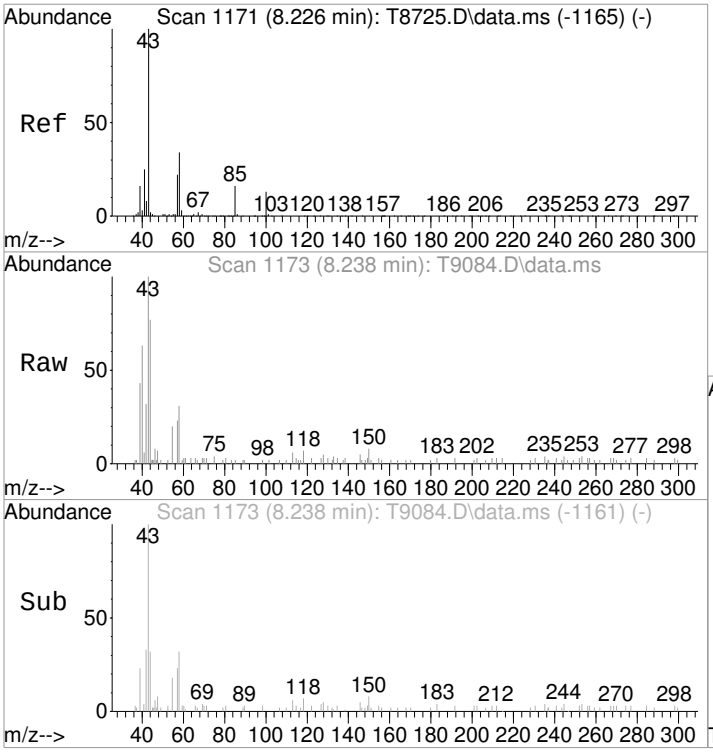


#53
Trichloroethene
Concen: 27.78 ug/L
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion:130 Resp: 67432

Ion	Ratio	Lower	Upper
130	100		
132	85.4	68.5	108.5
95	89.6	76.7	116.7
97	62.0	41.5	81.5

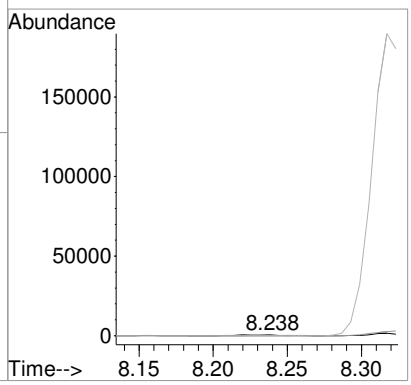


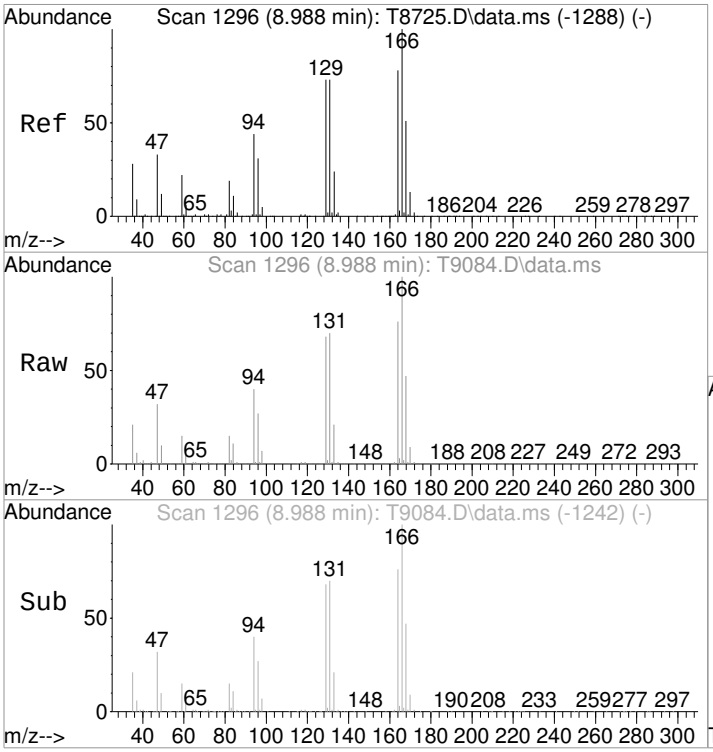


#63
4-Methyl-2-pentanone
Concen: 0.27 ug/L m
RT: 8.238 min Scan# 1173
Delta R.T. 0.012 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion: 43 Resp: 910

Ion	Ratio	Lower	Upper
43	100		
58	31.2	14.2	54.2
100	0.0	0.0	32.8

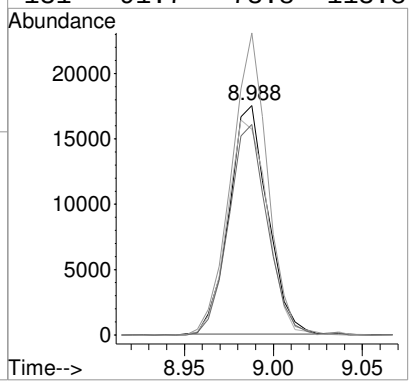




#71
Tetrachloroethene
Concen: 16.03 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. -0.000 min
Lab File: T9084.D
Acq: 25 Sep 2021 6:22 pm

Tgt Ion:164 Resp: 26542

Ion	Ratio	Lower	Upper
164	100		
166	131.6	108.5	148.5
129	89.7	73.7	113.7
131	91.7	73.8	113.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9085.D
Acq On : 25 Sep 2021 6:44 pm
Operator : F.NAEGLER
Sample : R2109635-021|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 27 16:43:03 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

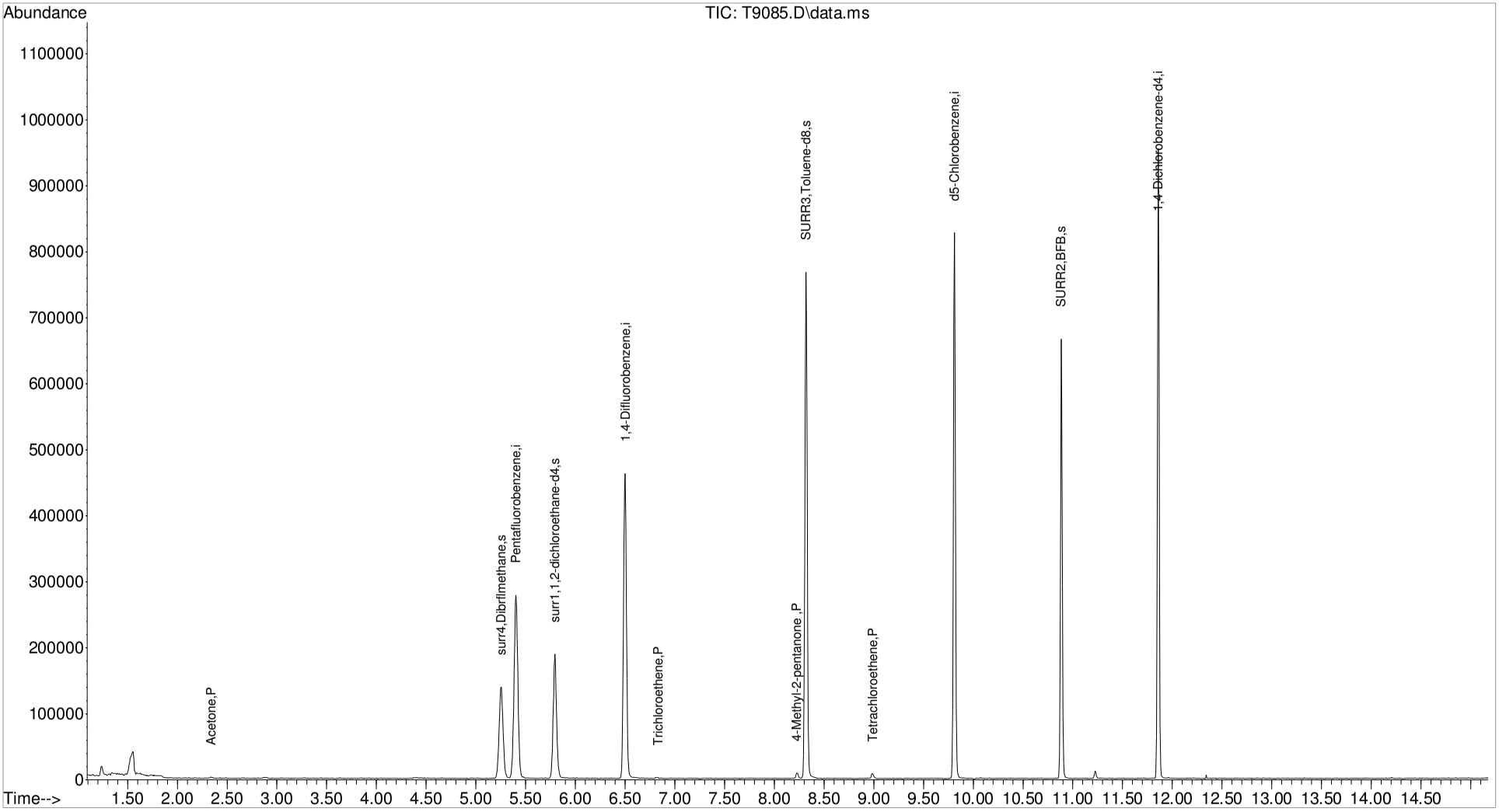
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	252777	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.500	114	398715	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	355327	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	174705	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	114282	51.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.68%			
46) surr1,1,2-dichloroetha...	5.793	65	151261	52.39	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.78%			
64) SURR3,Toluene-d8	8.317	98	460953	51.25	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.50%			
69) SURR2,BFB	10.884	95	162373	48.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.28%			
Target Compounds						Qvalue
15) Acetone	2.337	43	1930	1.65	ug/L	79
53) Trichloroethene	6.830	130	552	0.24	ug/L #	55
63) 4-Methyl-2-pentanone	8.226	43	5179	1.61	ug/L	90
71) Tetrachloroethene	8.988	164	1371	0.85	ug/L #	73

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

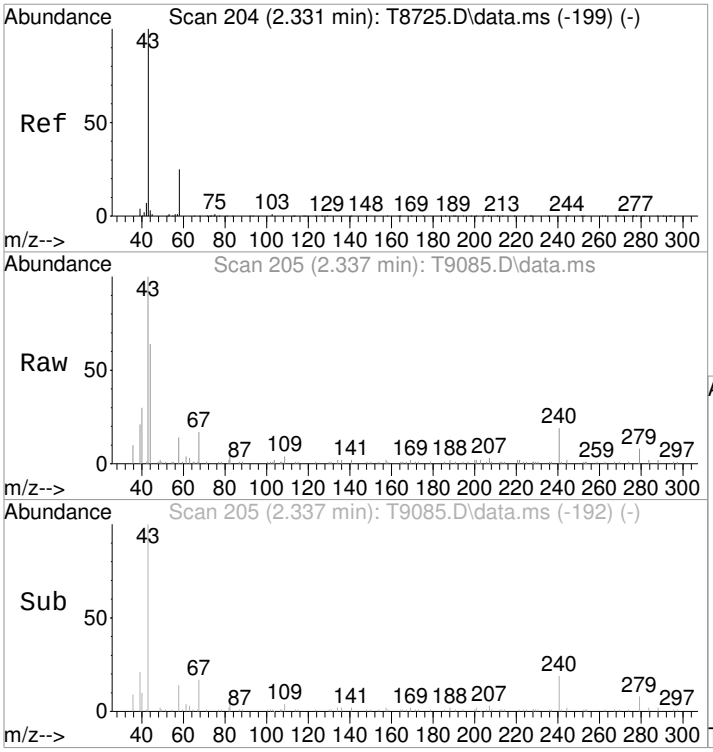
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9085.D
Acq On : 25 Sep 2021 6:44 pm
Operator : F.NAEGLER
Sample : R2109635-021|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 27 16:43:03 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



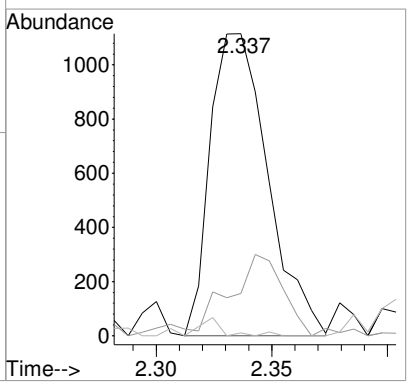
1st FJ 09/27/21
2nd 09/27/21

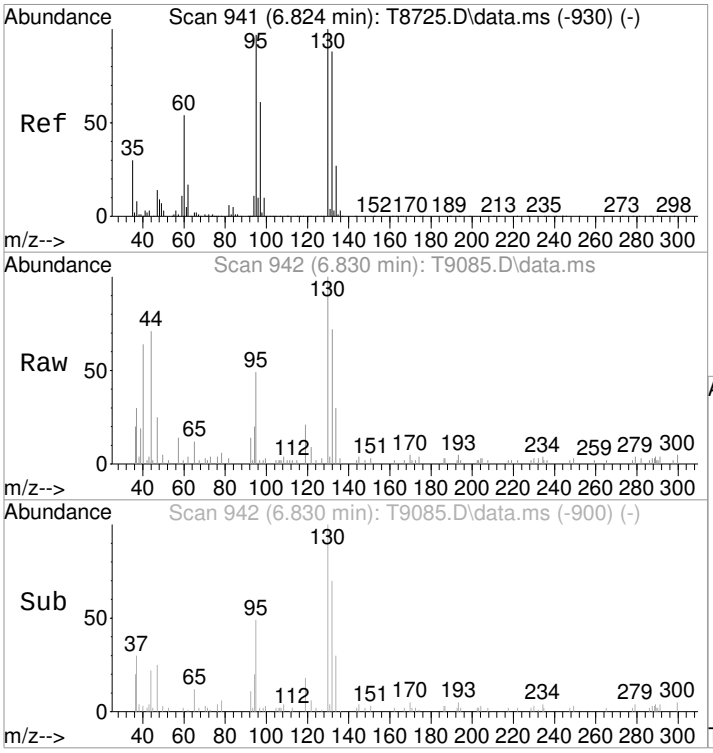


#15
Acetone
Concen: 1.65 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9085.D
Acq: 25 Sep 2021 6:44 pm

Tgt Ion: 43 Resp: 1930

Ion	Ratio	Lower	Upper
43	100		
58	14.0	4.9	44.9
42	1.0	0.0	27.1

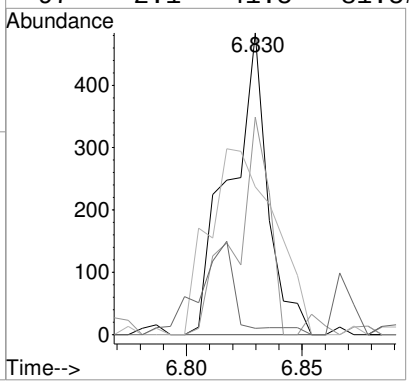


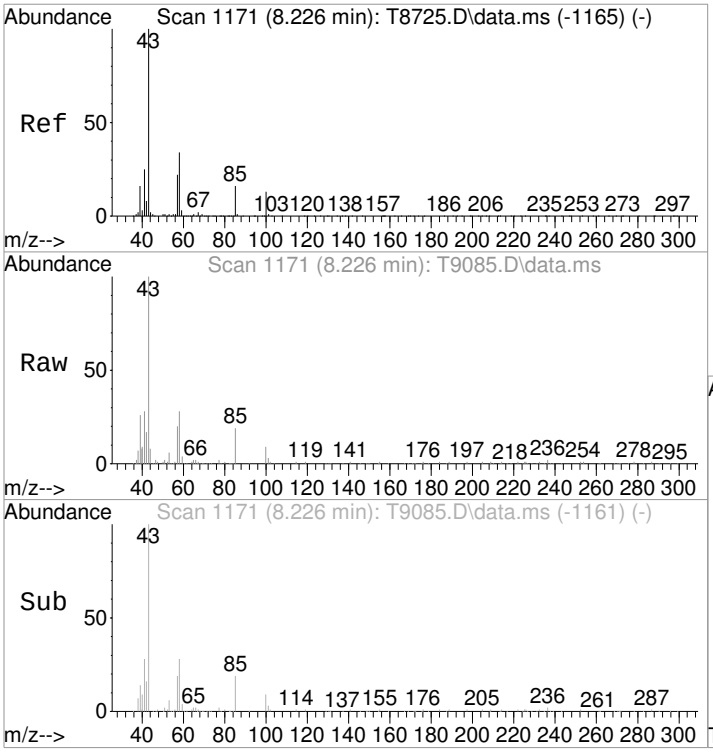


#53
Trichloroethene
Concen: 0.24 ug/L
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: T9085.D
Acq: 25 Sep 2021 6:44 pm

Tgt Ion:130 Resp: 552

Ion	Ratio	Lower	Upper
130	100		
132	72.1	68.5	108.5
95	49.0	76.7	116.7#
97	2.1	41.5	81.5#

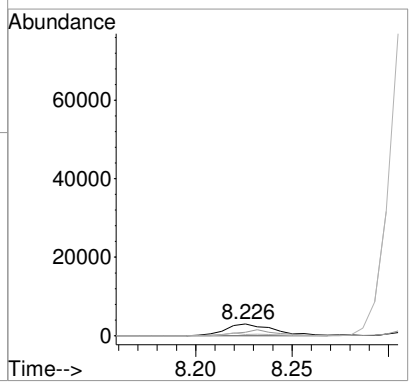


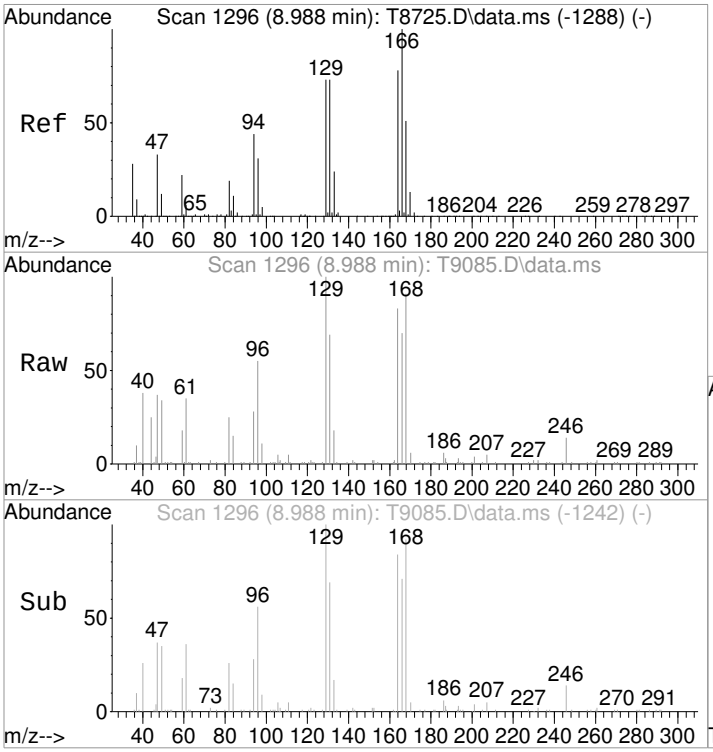


#63
4-Methyl-2-pentanone
Concen: 1.61 ug/L
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: T9085.D
Acq: 25 Sep 2021 6:44 pm

Tgt Ion: 43 Resp: 5179

Ion	Ratio	Lower	Upper
43	100		
58	28.0	14.2	54.2
100	9.0	0.0	32.8

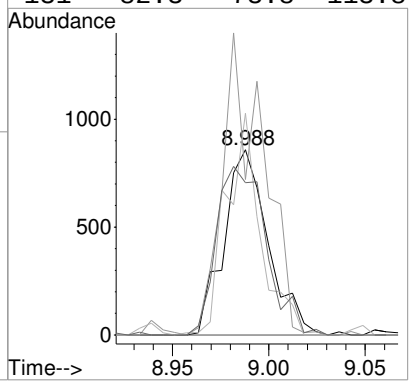




#71
Tetrachloroethene
Concen: 0.85 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. 0.000 min
Lab File: T9085.D
Acq: 25 Sep 2021 6:44 pm

Tgt Ion:164 Resp: 1371

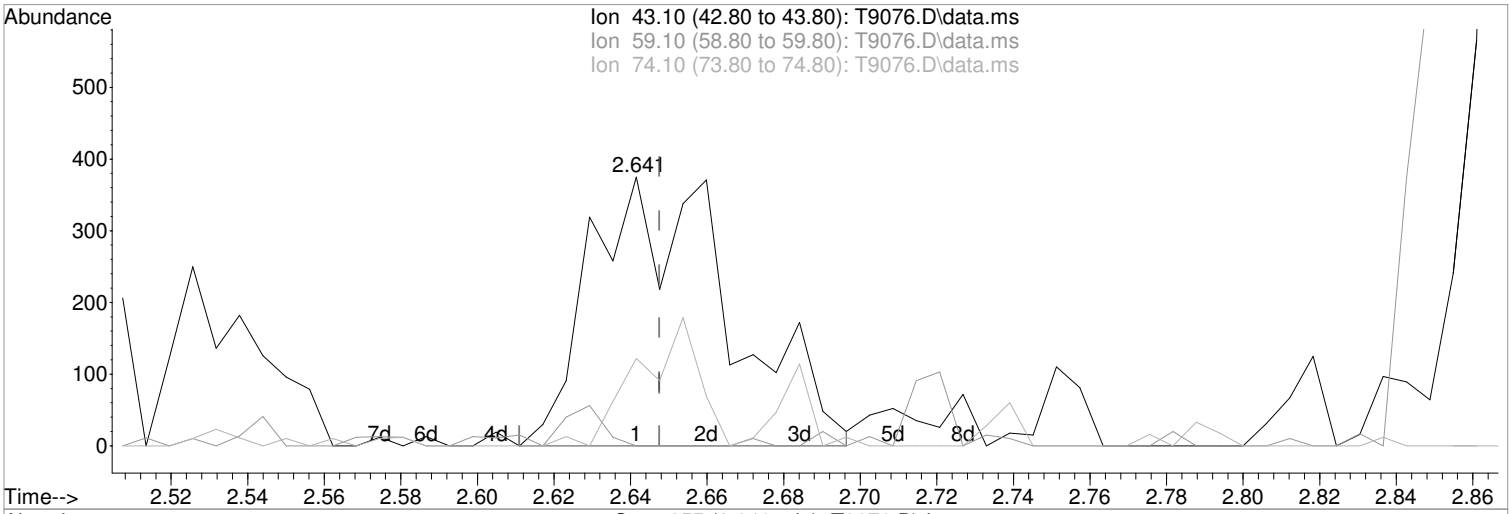
Ion	Ratio	Lower	Upper
164	100		
166	83.9	108.5	148.5#
129	119.8	73.7	113.7#
131	82.3	73.8	113.8

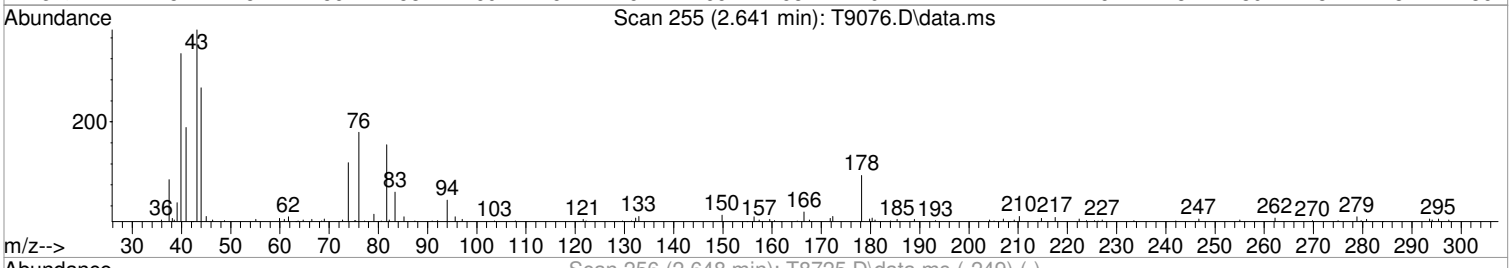


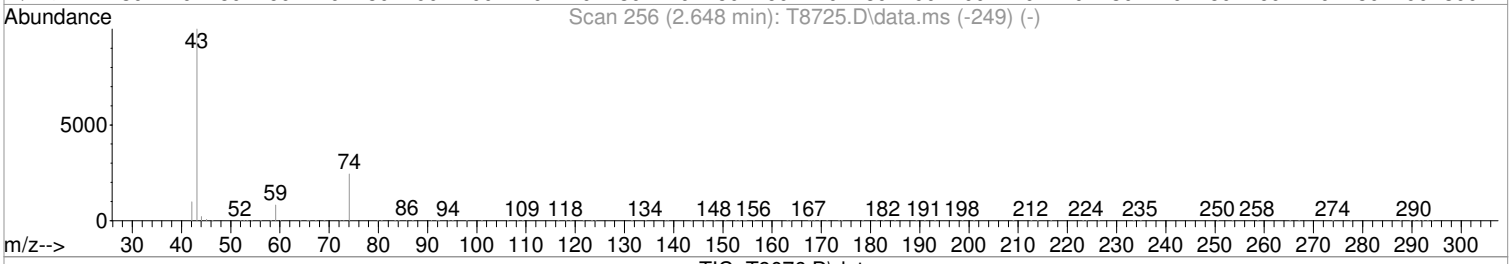
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9076.D
Acq On : 25 Sep 2021 3:27 pm
Operator : F.NAEGLER
Sample : R2109635-022|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 18:43:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9076.D\data.ms

(21) Methyl Acetate (P)

2.641min (-0.006) 0.32 ug/L m

response 944

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	32.53
0.00	0.00	0.00

Manual Integration:

After

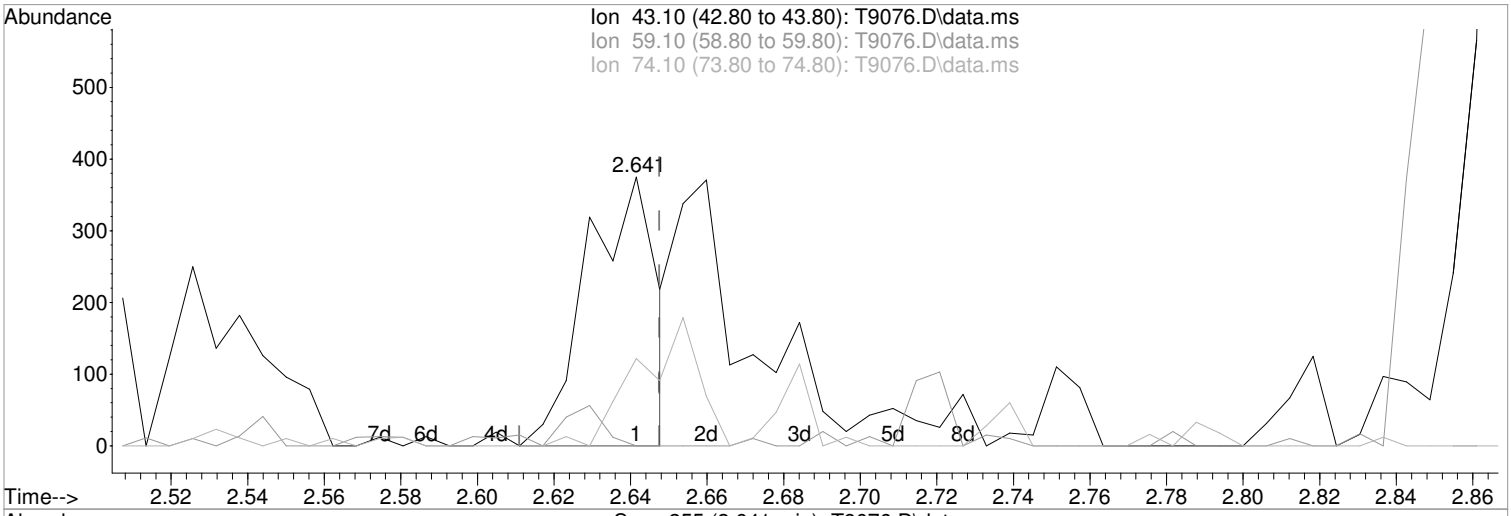
Poor integration.

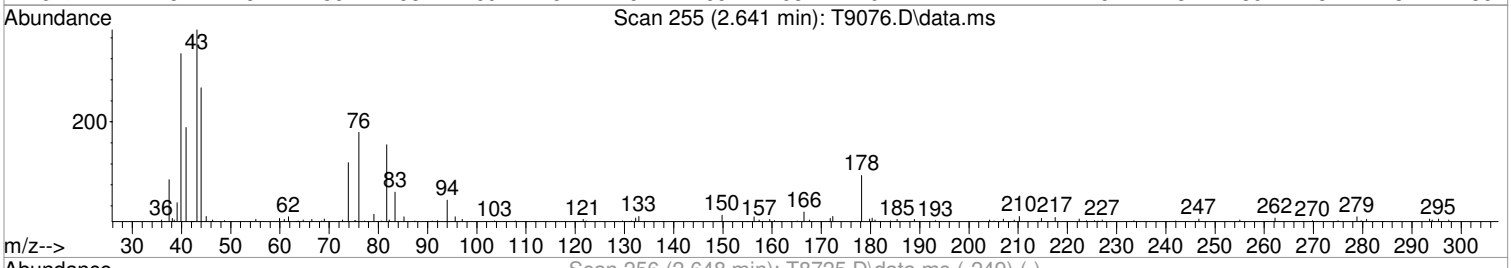
09/27/21

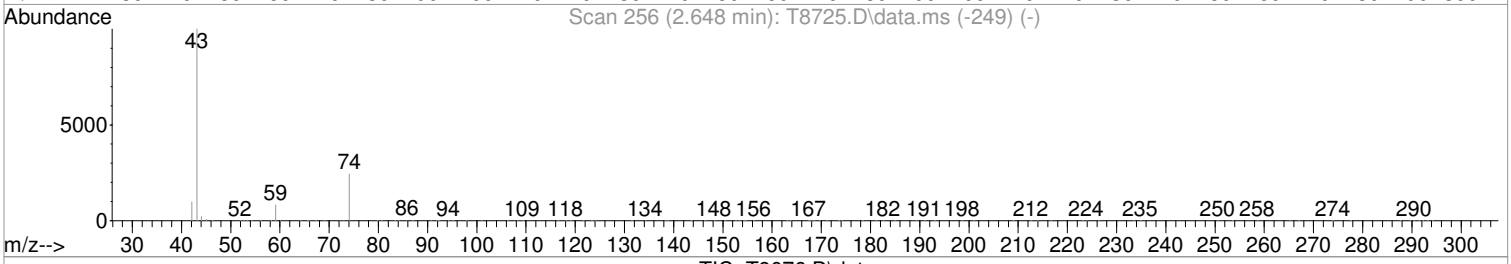
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9076.D
Acq On : 25 Sep 2021 3:27 pm
Operator : F.NAEGLER
Sample : R2109635-022|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 25 18:43:13 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9076.D\data.ms

(21) Methyl Acetate (P)

2.641min (-0.006) 0.16 ug/L

response 472

Ion	Exp%	Act%
43.10	100	100
59.10	8.20	0.00
74.10	24.40	32.53
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9076.D
Acq On : 25 Sep 2021 3:27 pm
Operator : F.NAEGLER
Sample : R2109635-022|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 27 16:27:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

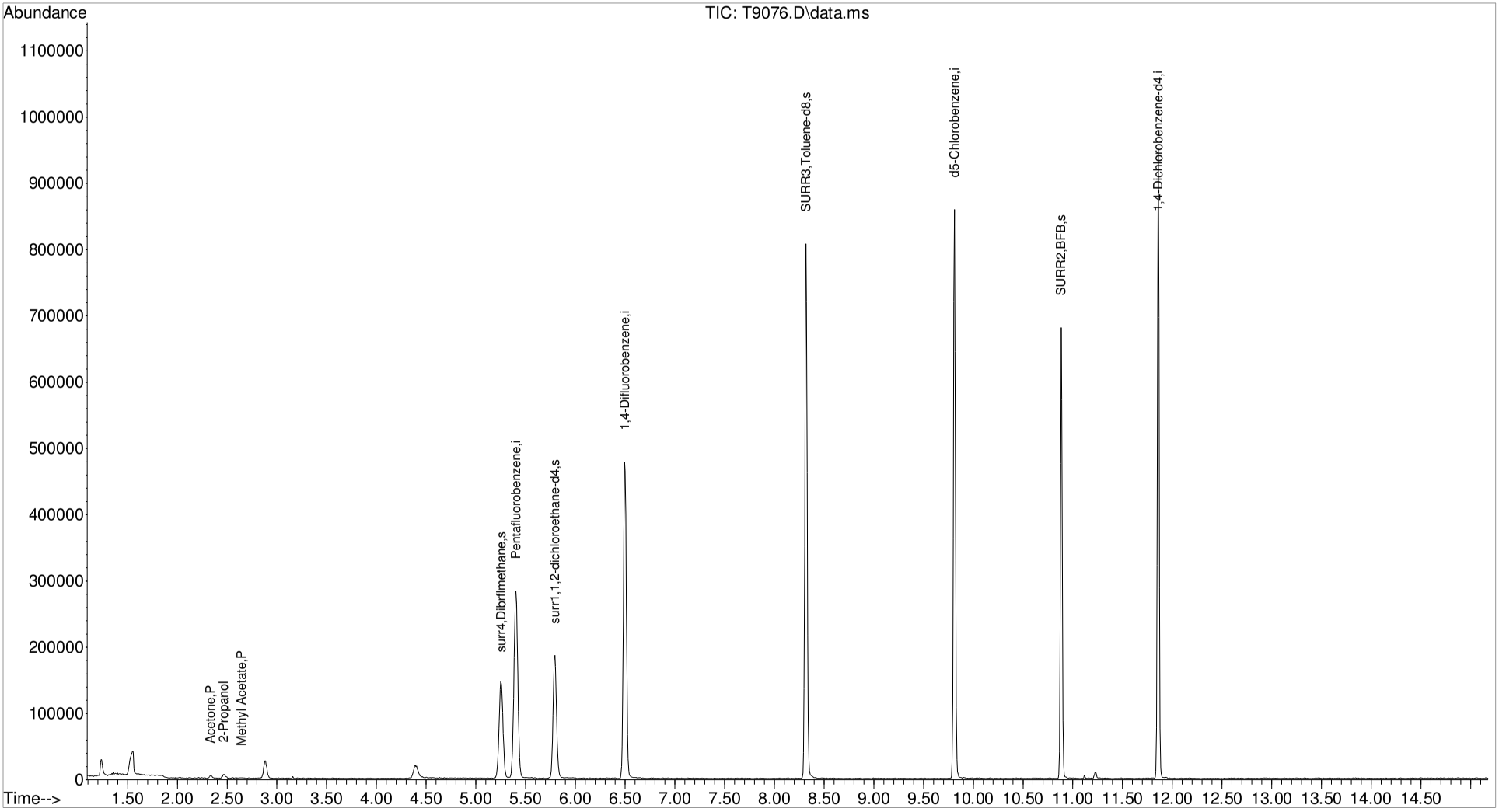
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	262206	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	420662	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	374682	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	176297	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	122154	52.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.02%			
46) surr1,1,2-dichloroetha...	5.793	65	161602	53.05	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.10%			
64) SURR3,Toluene-d8	8.317	98	486325	51.25	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.50%			
69) SURR2,BFB	10.884	95	170211	48.33	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.66%			
Target Compounds						Qvalue
15) Acetone	2.331	43	4899	4.03	ug/L	83
16) 2-Propanol	2.465	45	6908	26.78	ug/L	75
21) Methyl Acetate	2.641	43	944m	0.32	ug/L	

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

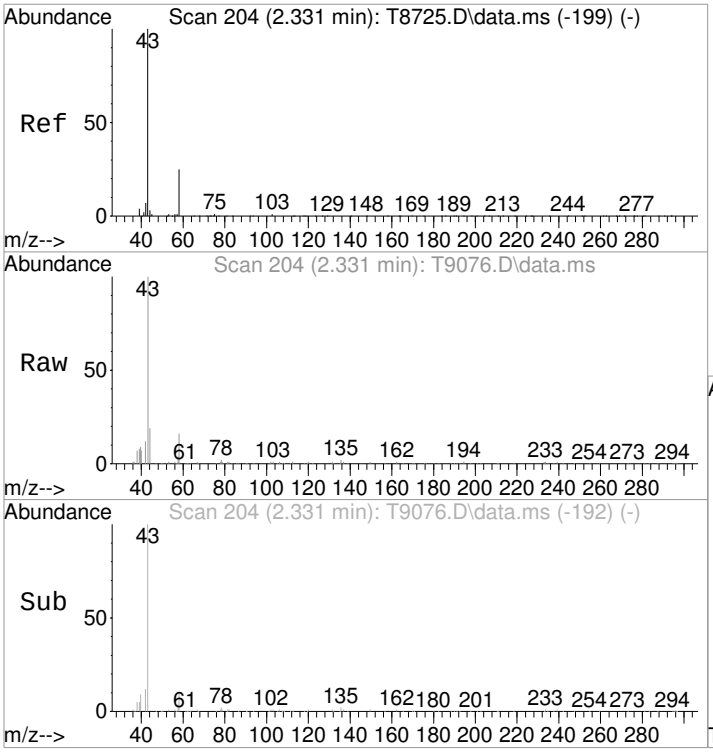
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9076.D
Acq On : 25 Sep 2021 3:27 pm
Operator : F.NAEGLER
Sample : R2109635-022|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 27 16:27:08 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



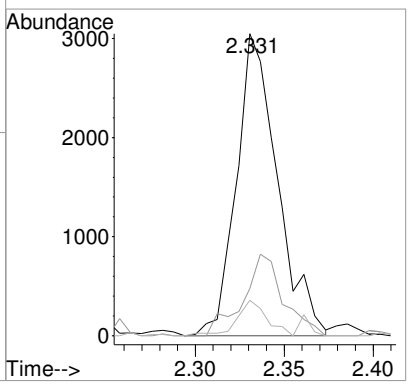
1st FJ 09/27/21
2nd 09/27/21

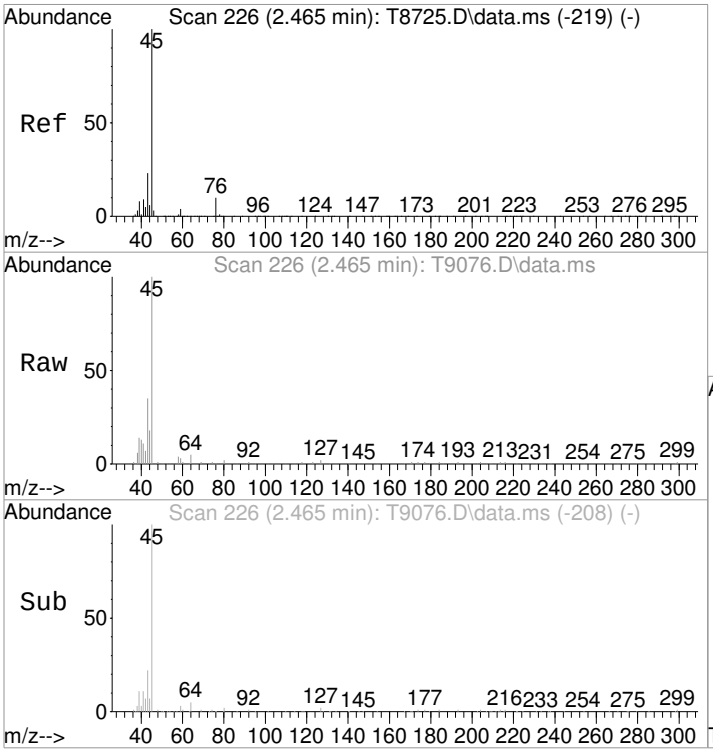


#15
Acetone
Concen: 4.03 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: T9076.D
Acq: 25 Sep 2021 3:27 pm

Tgt Ion: 43 Resp: 4899

Ion	Ratio	Lower	Upper
43	100		
58	15.7	4.9	44.9
42	11.7	0.0	27.1

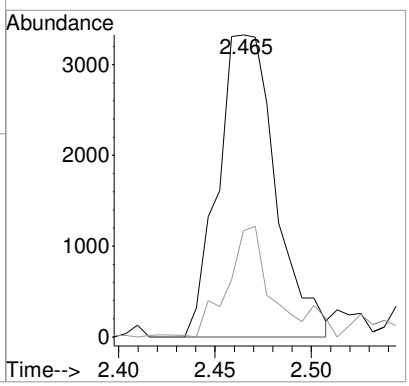


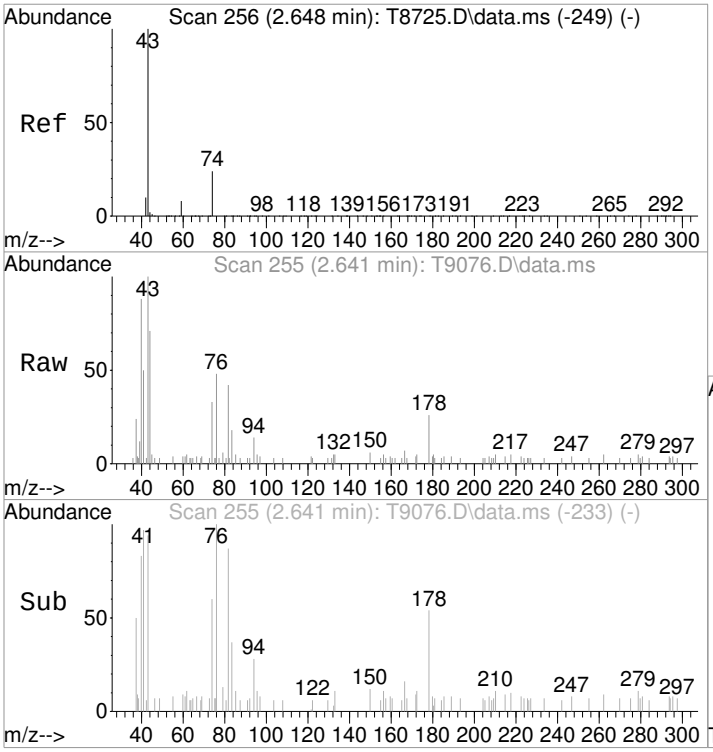


#16
2-Propanol
Concen: 26.78 ug/L
RT: 2.465 min Scan# 226
Delta R.T. 0.000 min
Lab File: T9076.D
Acq: 25 Sep 2021 3:27 pm

Tgt Ion: 45 Resp: 6908

Ion	Ratio	Lower	Upper
45	100		
43	35.1	2.8	42.8

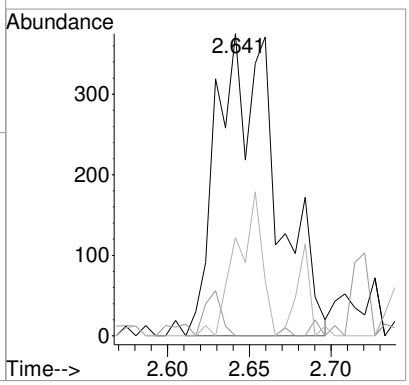




#21
Methyl Acetate
Concen: 0.32 ug/L m
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T9076.D
Acq: 25 Sep 2021 3:27 pm

Tgt Ion: 43 Resp: 944

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	28.2
74	32.5	4.4	44.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9086.D
Acq On : 25 Sep 2021 7:06 pm
Operator : F.NAEGLER
Sample : R2109635-023|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 27 16:45:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

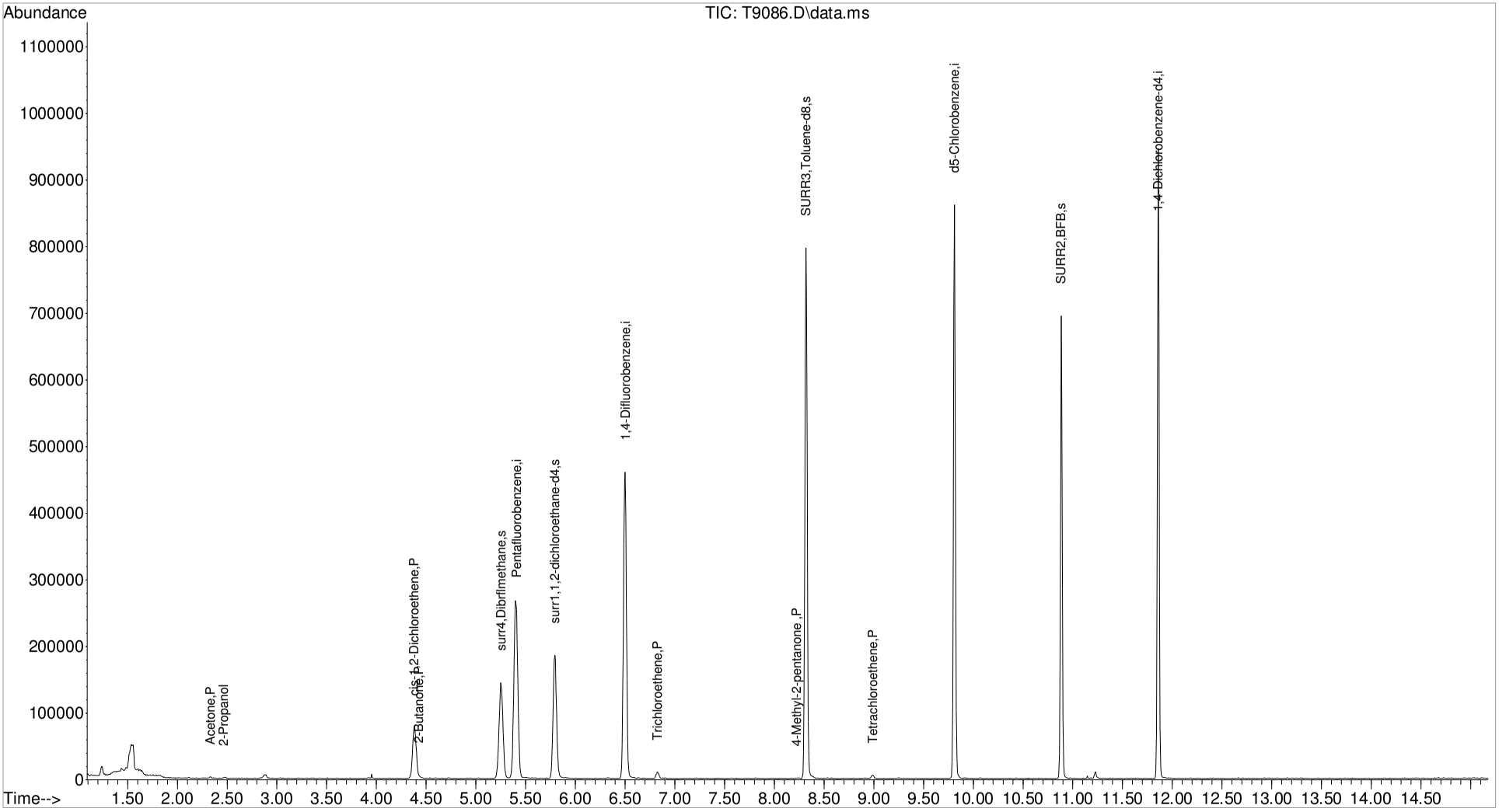
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.409	168	250160	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	402677	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	359426	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	174755	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	117314	52.18	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.36%				
46) surr1,1,2-dichloroetha...	5.793	65	155252	53.24	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.48%				
64) SURR3,Toluene-d8	8.317	98	482296	53.09	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 106.18%				
69) SURR2,BFB	10.884	95	171844	50.97	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.94%				
Target Compounds							Qvalue
15) Acetone	2.330	43	2316	2.00	ug/L		84
16) 2-Propanol	2.465	45	819	3.33	ug/L	#	51
33) cis-1,2-Dichloroethene	4.379	96	41988	16.29	ug/L		98
34) 2-Butanone	4.428	43	1268	0.75	ug/L		94
53) Trichloroethene	6.824	130	3615	1.54	ug/L	#	75
63) 4-Methyl-2-pentanone	8.226	43	653	0.20	ug/L		85
71) Tetrachloroethene	8.988	164	1060	0.65	ug/L	#	81

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

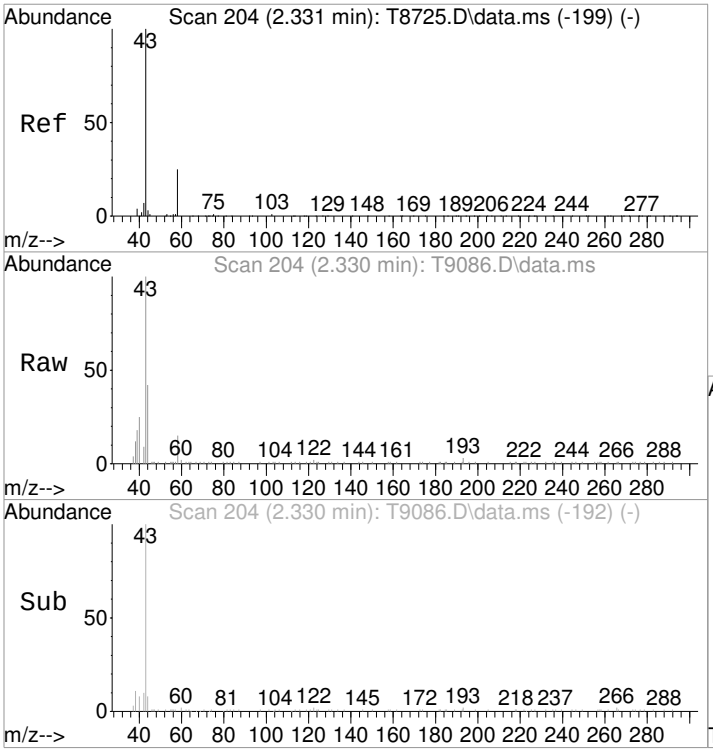
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9086.D
Acq On : 25 Sep 2021 7:06 pm
Operator : F.NAEGLER
Sample : R2109635-023|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 27 16:45:00 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



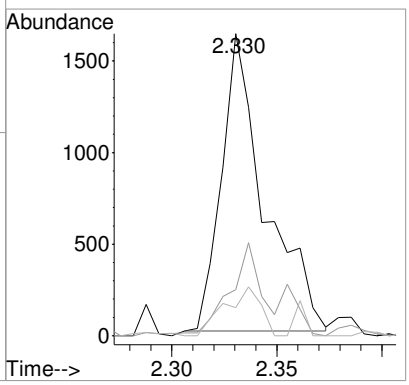
1st 09/27/21
2nd 09/27/21

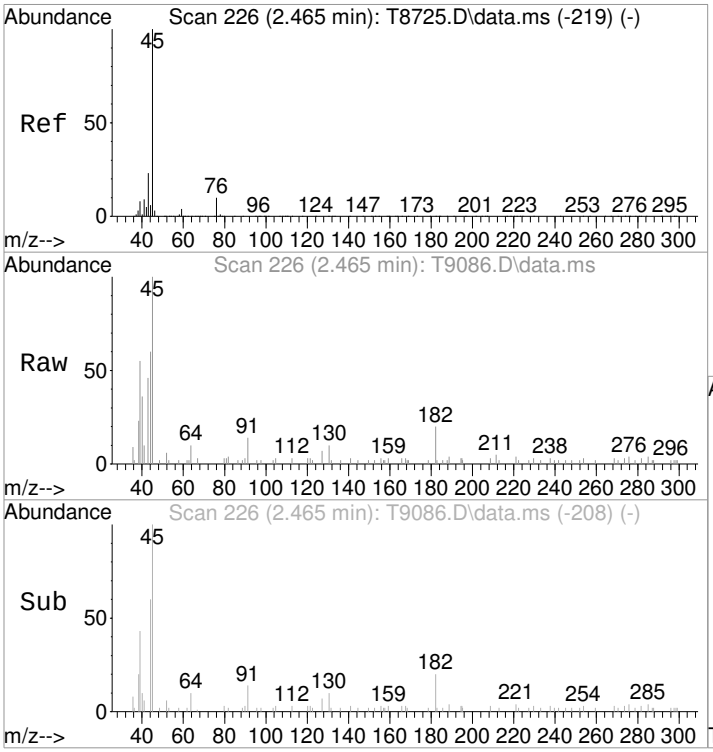


#15
Acetone
Concen: 2.00 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: T9086.D
Acq: 25 Sep 2021 7:06 pm

Tgt Ion: 43 Resp: 2316

Ion	Ratio	Lower	Upper
43	100		
58	15.2	4.9	44.9
42	9.3	0.0	27.1

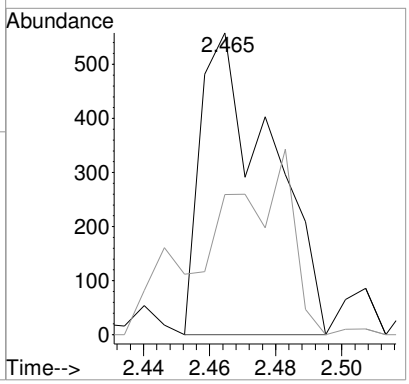


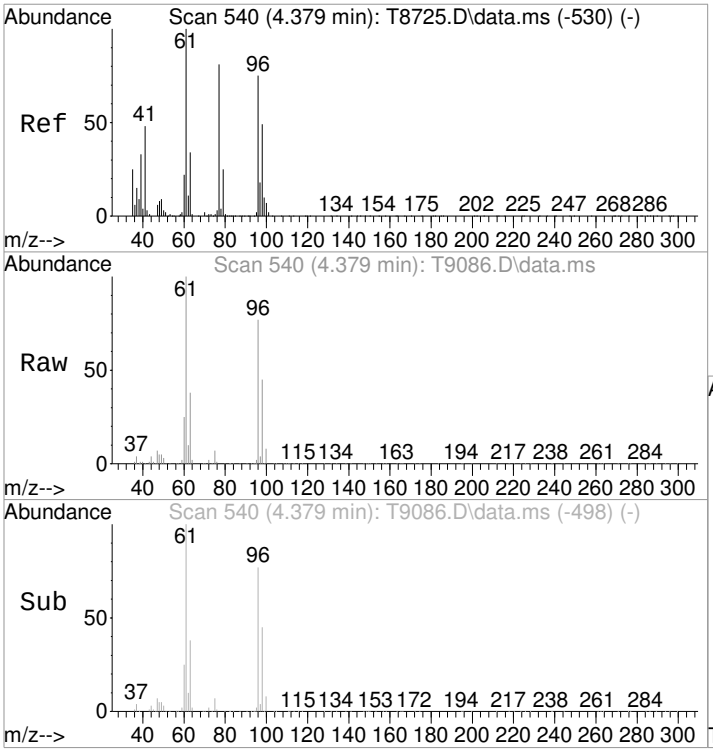


#16
2-Propanol
Concen: 3.33 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.000 min
Lab File: T9086.D
Acq: 25 Sep 2021 7:06 pm

Tgt Ion: 45 Resp: 819

Ion	Ratio	Lower	Upper
45	100		
43	46.4	2.8	42.8#

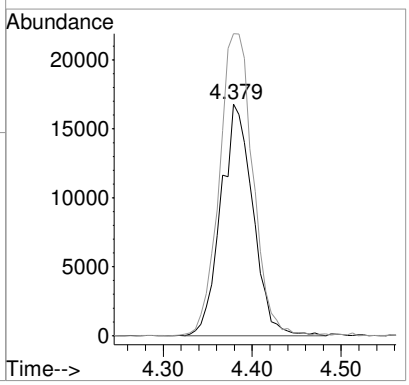


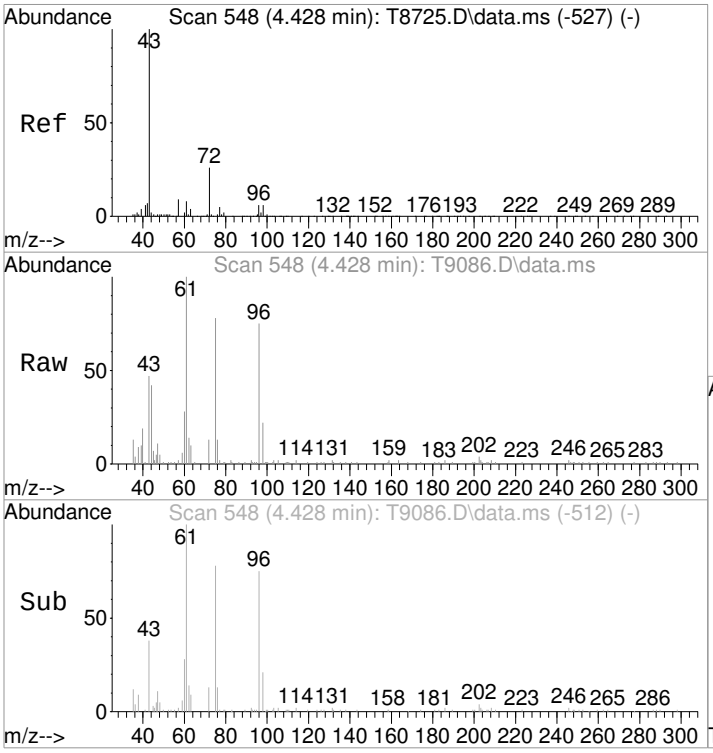


#33
cis-1,2-Dichloroethene
Concen: 16.29 ug/L
RT: 4.379 min Scan# 540
Delta R.T. -0.000 min
Lab File: T9086.D
Acq: 25 Sep 2021 7:06 pm

Tgt Ion: 96 Resp: 41988

Ion	Ratio	Lower	Upper
96	100		
61	130.4	113.1	153.1

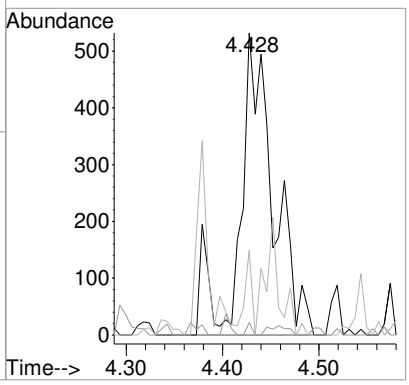


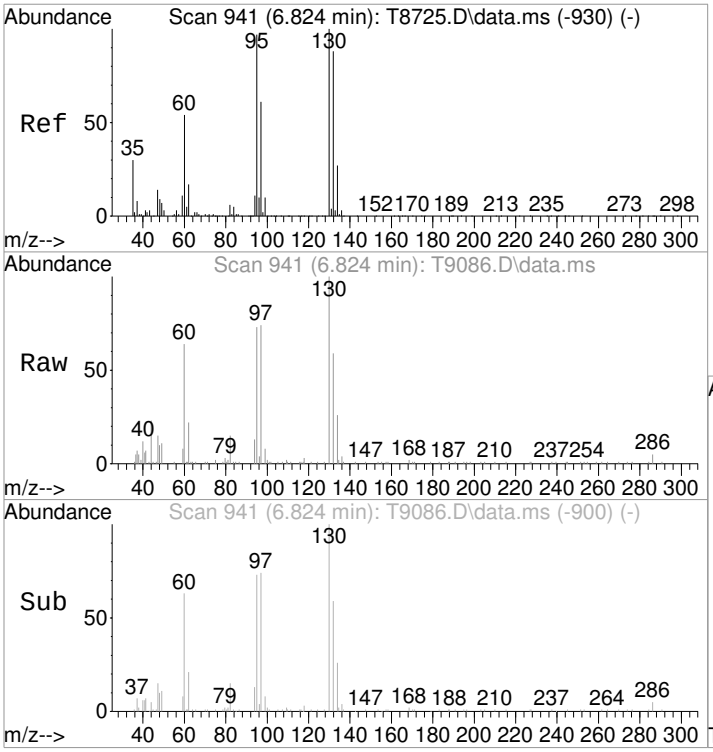


#34
2-Butanone
Concen: 0.75 ug/L
RT: 4.428 min Scan# 548
Delta R.T. -0.000 min
Lab File: T9086.D
Acq: 25 Sep 2021 7:06 pm

Tgt Ion: 43 Resp: 1268

Ion	Ratio	Lower	Upper
43	100		
57	4.1	0.0	28.5
72	28.0	6.2	46.2

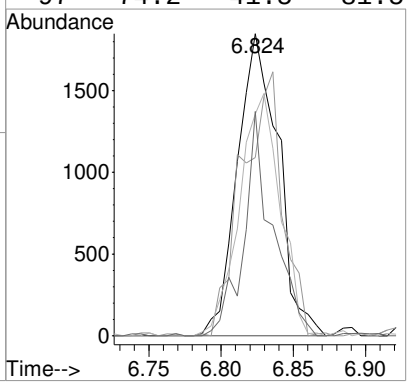


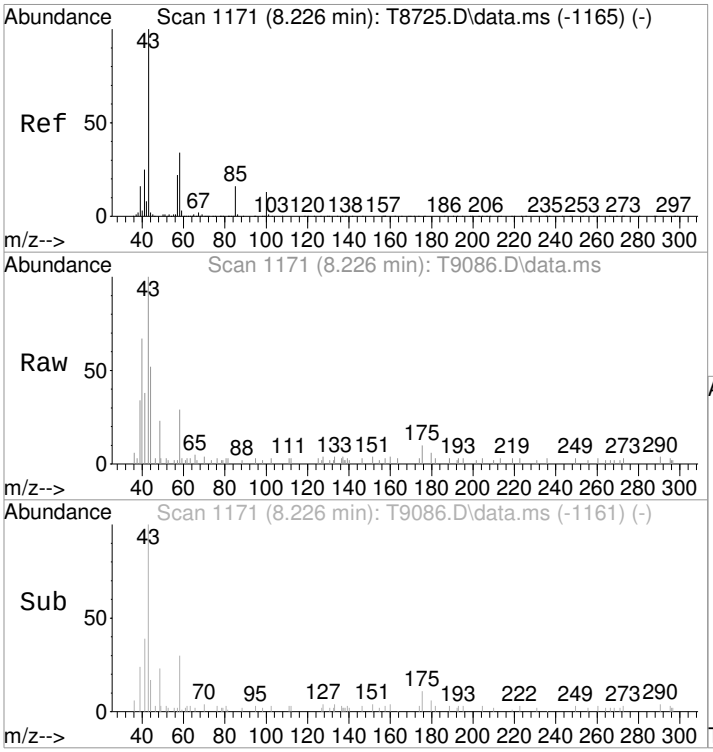


#53
Trichloroethene
Concen: 1.54 ug/L
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: T9086.D
Acq: 25 Sep 2021 7:06 pm

Tgt Ion:130 Resp: 3615

Ion	Ratio	Lower	Upper
130	100		
132	59.0	68.5	108.5#
95	73.4	76.7	116.7#
97	74.2	41.5	81.5

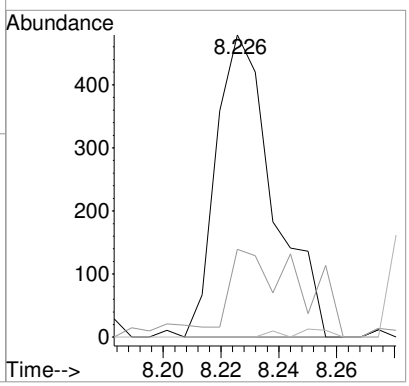


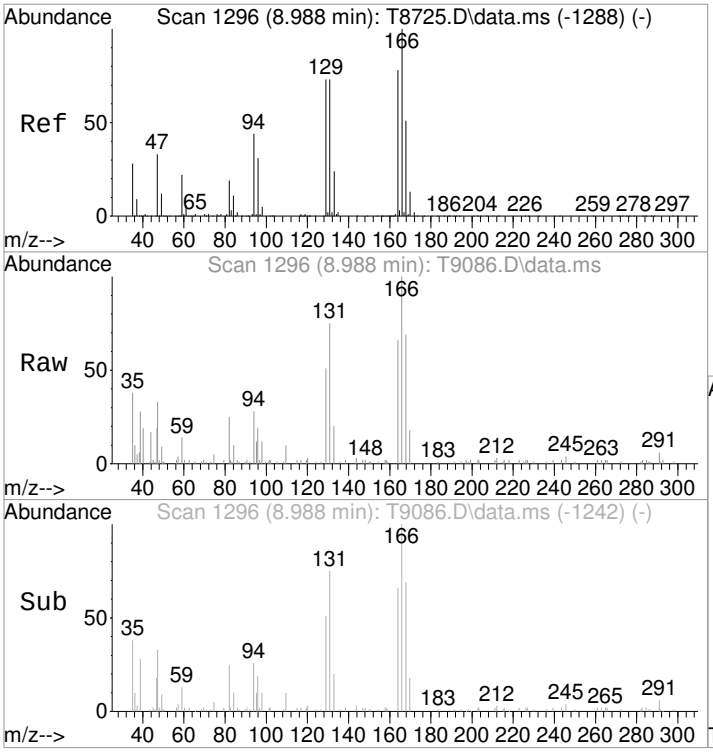


#63
4-Methyl-2-pentanone
Concen: 0.20 ug/L
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: T9086.D
Acq: 25 Sep 2021 7:06 pm

Tgt Ion: 43 Resp: 653

Ion	Ratio	Lower	Upper
43	100		
58	29.0	14.2	54.2
100	0.0	0.0	32.8

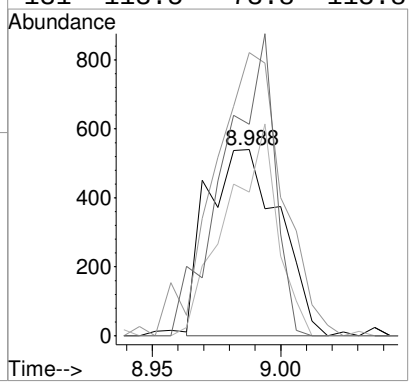




#71
Tetrachloroethene
Concen: 0.65 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. -0.000 min
Lab File: T9086.D
Acq: 25 Sep 2021 7:06 pm

Tgt Ion:164 Resp: 1060

Ion	Ratio	Lower	Upper
164	100		
166	152.0	108.5	148.5#
129	77.2	73.7	113.7
131	113.5	73.8	113.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9087.D
Acq On : 25 Sep 2021 7:27 pm
Operator : F.NAEGLER
Sample : R2109635-024|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 16:46:09 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

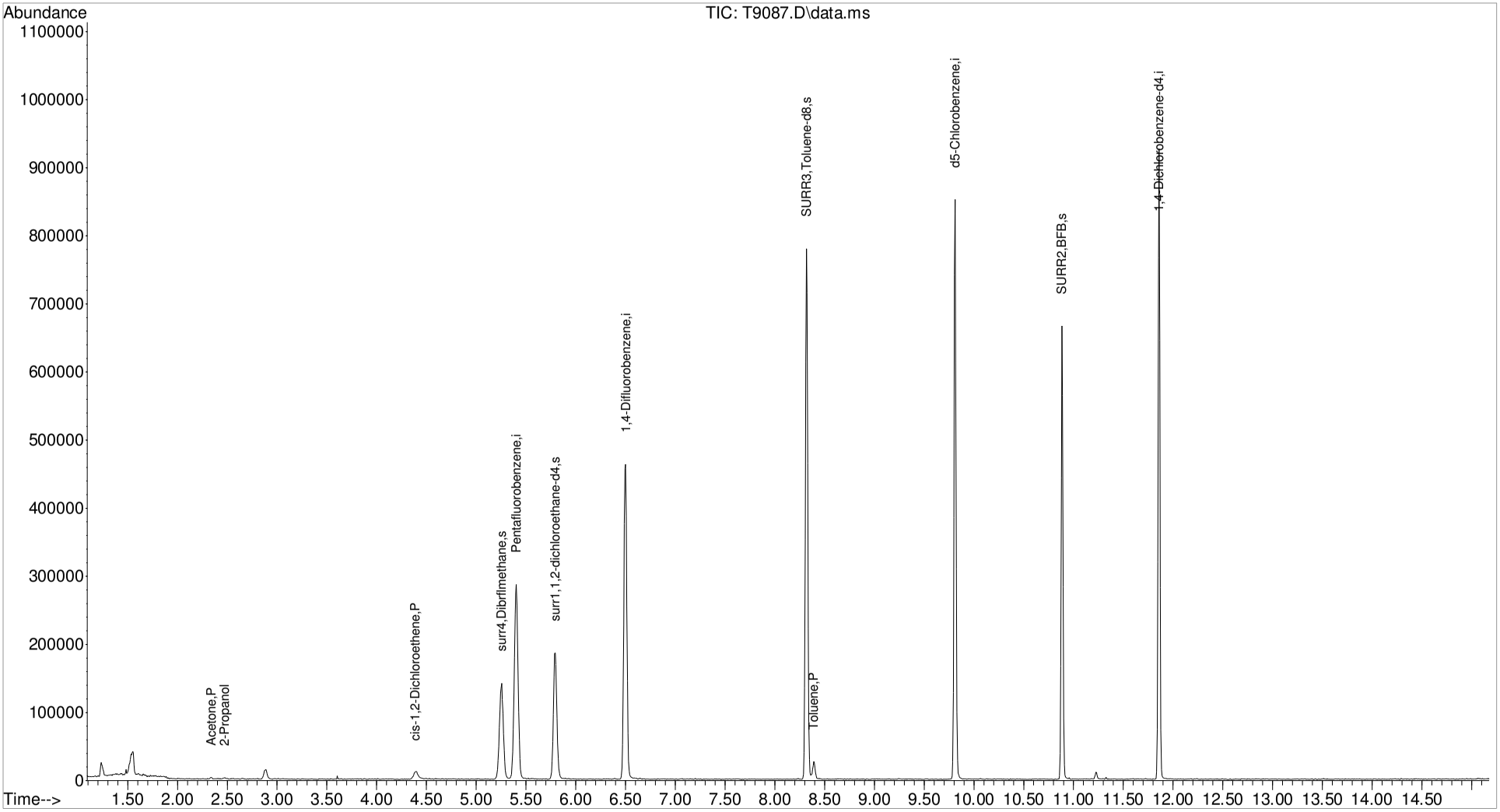
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.403	168	260477	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.501	114	405334	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	369295	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	174290	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.257	113	116479	51.47	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 102.94%			
46) surr1,1,2-dichloroetha...	5.793	65	157575	53.68	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.36%			
64) SURR3,Toluene-d8	8.317	98	475590	52.01	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.02%			
69) SURR2,BFB	10.884	95	164432	48.45	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.90%			
Target Compounds						Qvalue
15) Acetone	2.337	43	2156	1.79	ug/L #	59
16) 2-Propanol	2.471	45	2105	8.21	ug/L #	53
33) cis-1,2-Dichloroethene	4.385	96	1429	0.53	ug/L #	66
65) Toluene	8.390	91	16614	1.62	ug/L	87

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

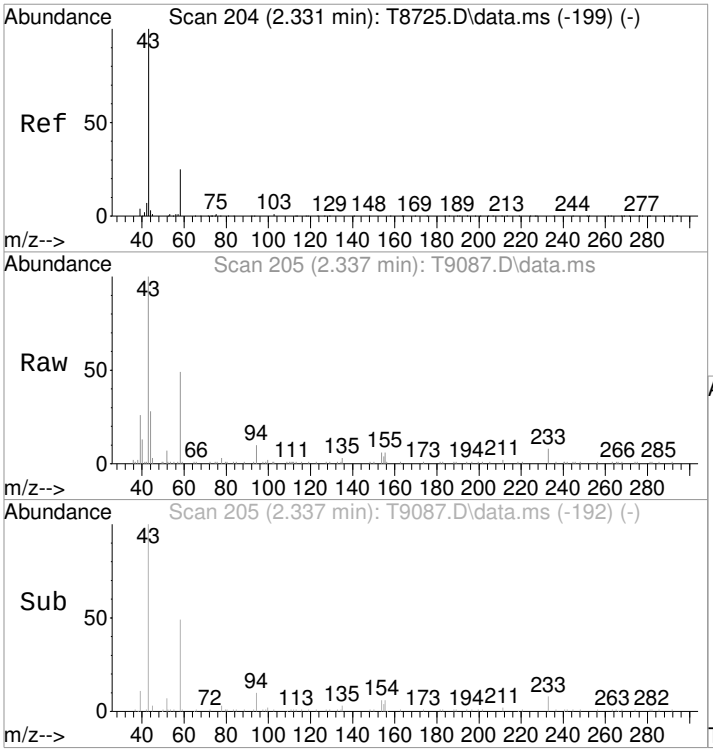
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9087.D
Acq On : 25 Sep 2021 7:27 pm
Operator : F.NAEGLER
Sample : R2109635-024|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 16:46:09 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



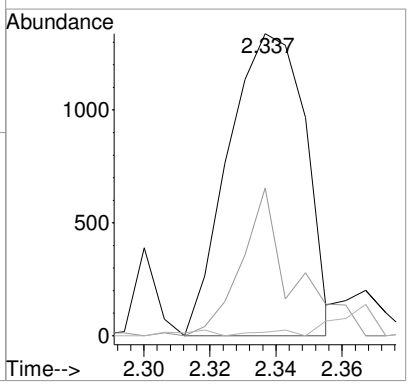
1st FJ 09/27/21
2nd 09/27/21

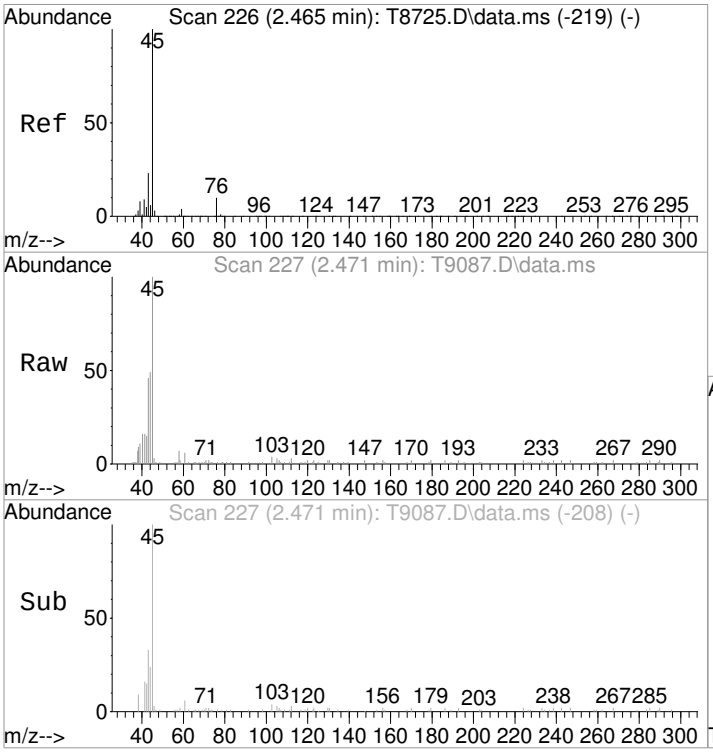


#15
Acetone
Concen: 1.79 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9087.D
Acq: 25 Sep 2021 7:27 pm

Tgt Ion: 43 Resp: 2156

Ion	Ratio	Lower	Upper
43	100		
58	49.0	4.9	44.9#
42	1.2	0.0	27.1

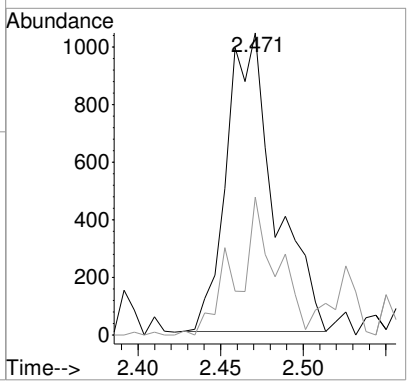


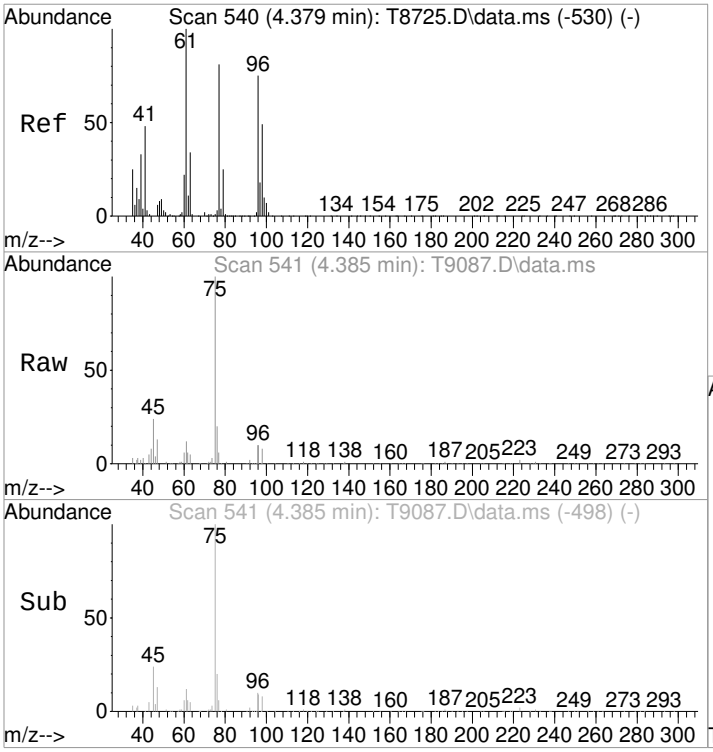


#16
2-Propanol
Concen: 8.21 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T9087.D
Acq: 25 Sep 2021 7:27 pm

Tgt Ion: 45 Resp: 2105

Ion	Ratio	Lower	Upper
45	100		
43	45.7	2.8	42.8#

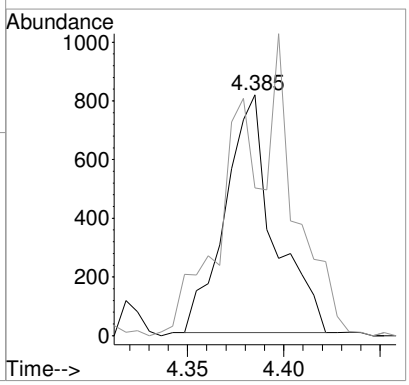


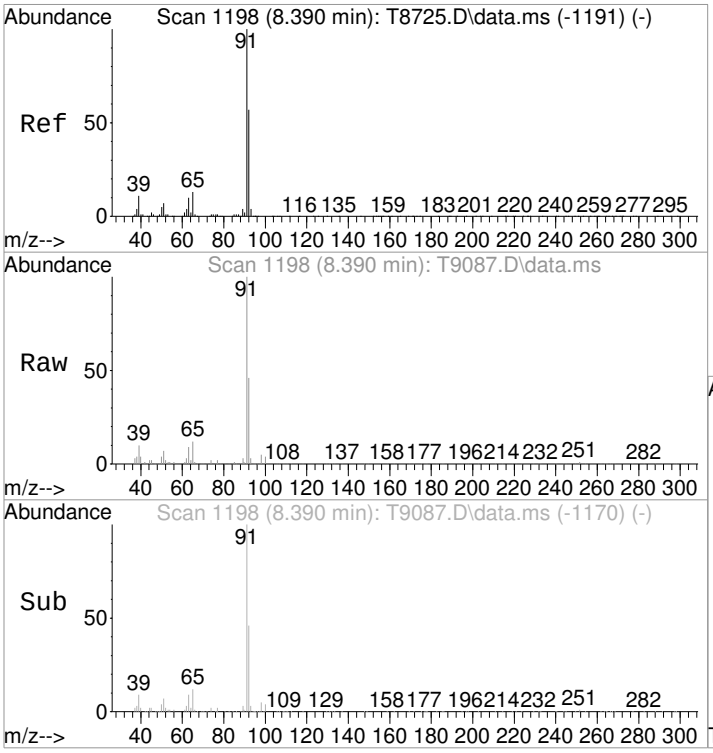


#33
cis-1,2-Dichloroethene
Concen: 0.53 ug/L
RT: 4.385 min Scan# 541
Delta R.T. 0.006 min
Lab File: T9087.D
Acq: 25 Sep 2021 7:27 pm

Tgt Ion: 96 Resp: 1429

Ion	Ratio	Lower	Upper
96	100		
61	93.1	113.1	153.1#

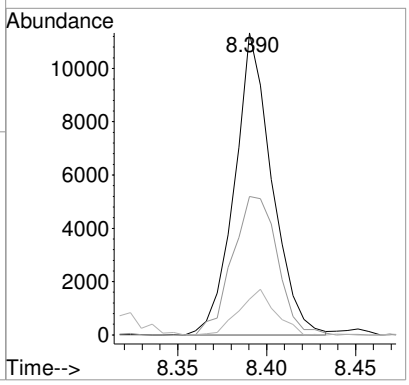




#65
Toluene
Concen: 1.62 ug/L
RT: 8.390 min Scan# 1198
Delta R.T. 0.000 min
Lab File: T9087.D
Acq: 25 Sep 2021 7:27 pm

Tgt Ion: 91 Resp: 16614

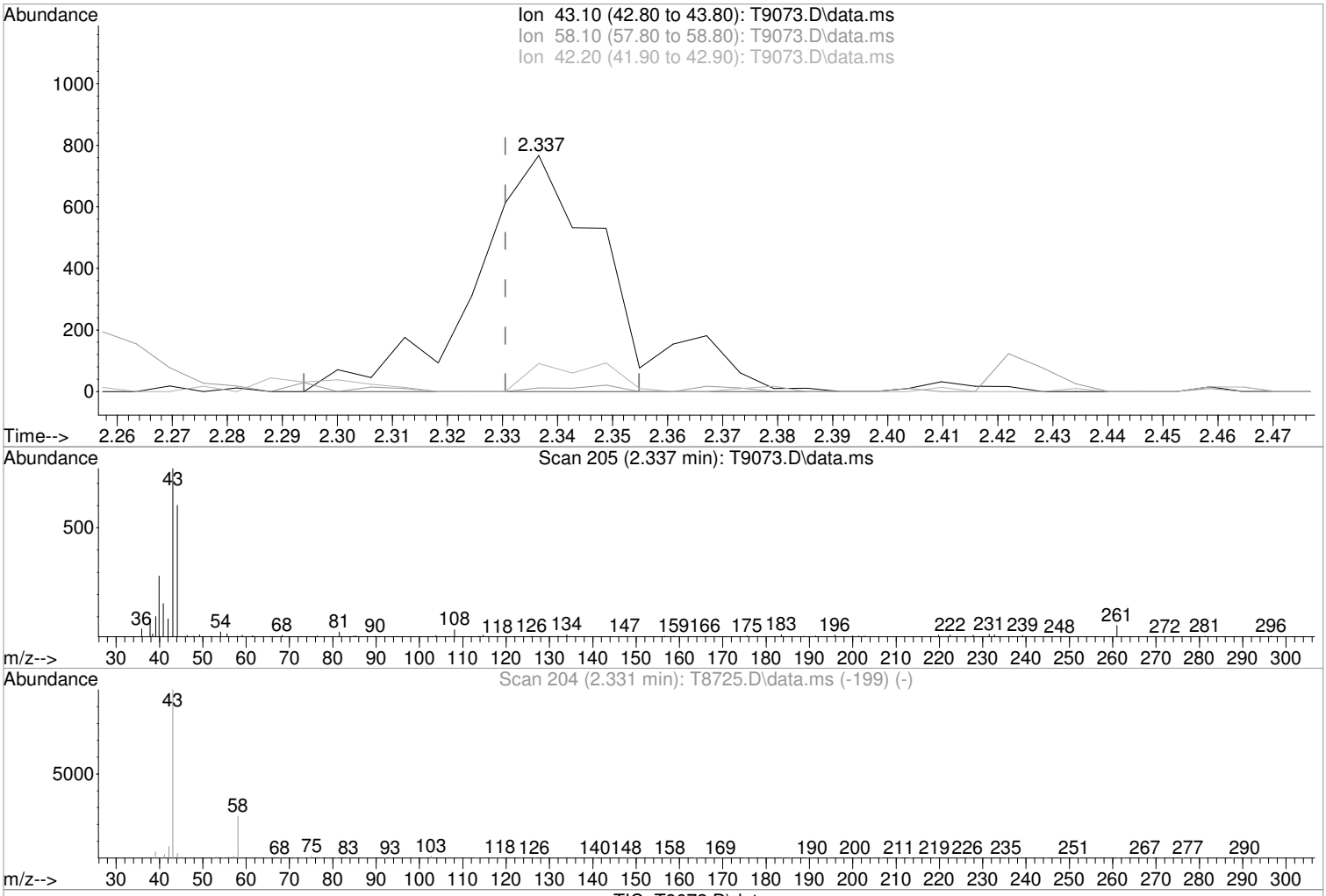
Ion	Ratio	Lower	Upper
91	100		
92	45.8	37.1	77.1
65	11.8	0.0	32.8



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9073.D
Acq On : 25 Sep 2021 2:22 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 18:42:23 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



TIC: T9073.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 1.07 ug/L m

response 1328

Ion	Exp%	Act%
43.10	100	100
58.10	24.90	1.56#
42.20	7.10	11.86
0.00	0.00	0.00

Manual Integration:

After

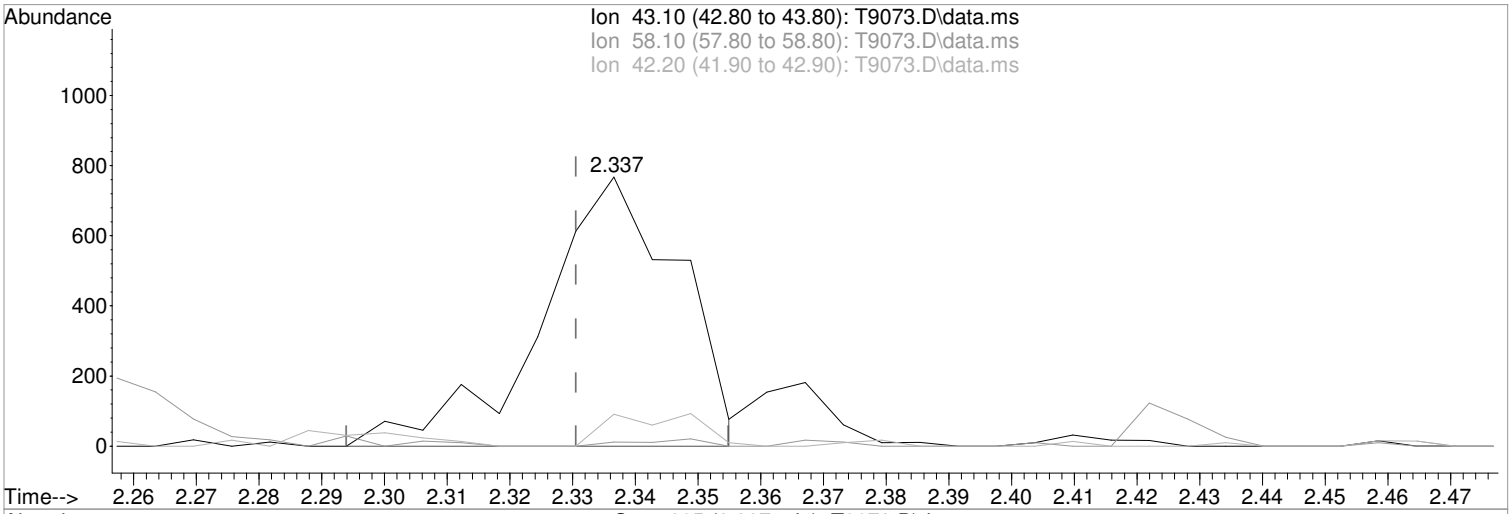
Poor integration.

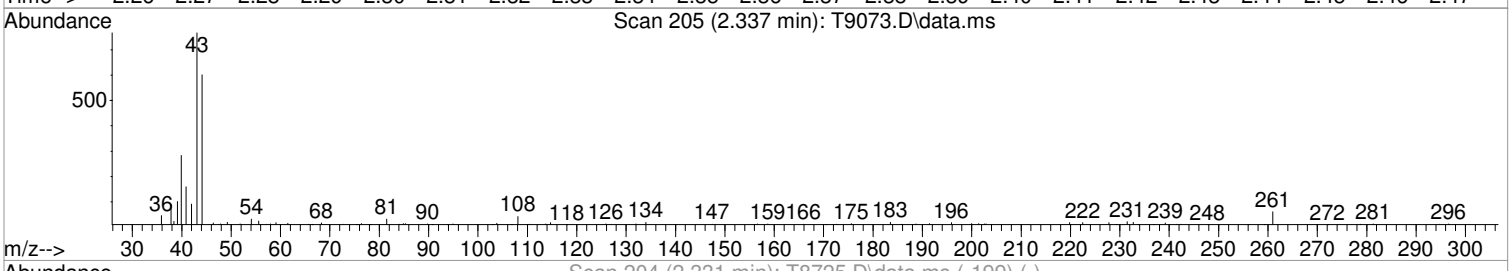
09/27/21

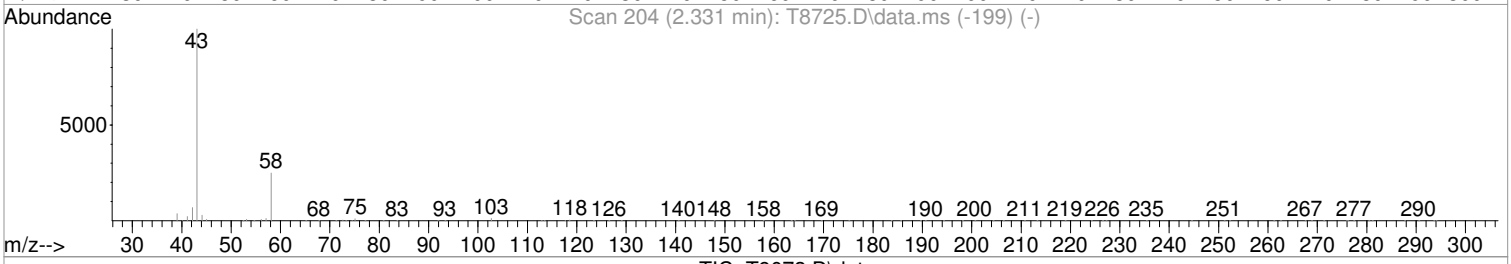
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9073.D
Acq On : 25 Sep 2021 2:22 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 18:42:23 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration







TIC: T9073.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 0.95 ug/L

response 1176

Ion	Exp%	Act%
43.10	100	100
58.10	24.90	1.56#
42.20	7.10	11.86
0.00	0.00	0.00

Manual Integration:

Before

09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9073.D
Acq On : 25 Sep 2021 2:22 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 27 15:57:03 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

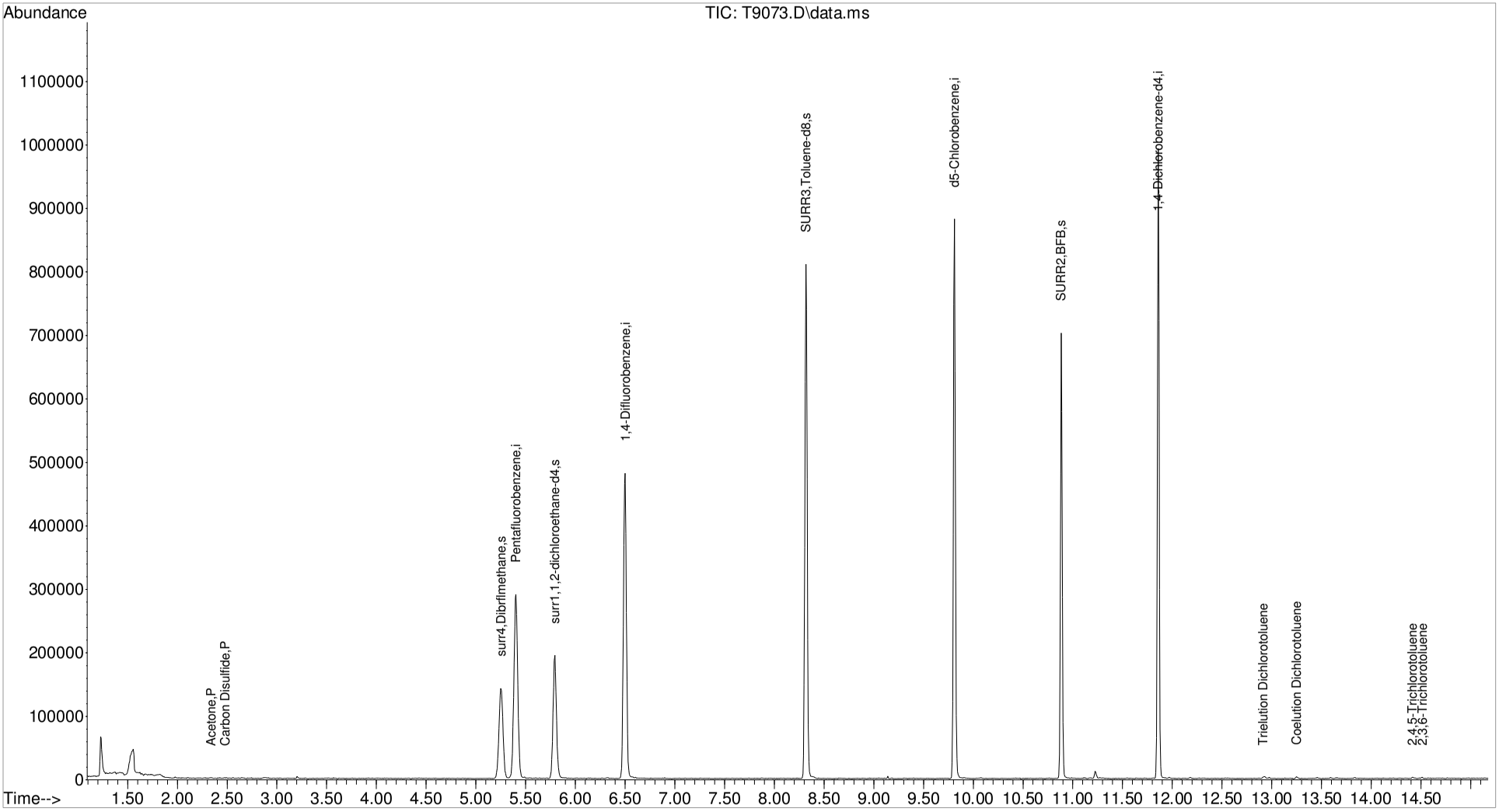
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	267981	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	416451	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	375726	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	188301	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	121077	52.07	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.14%				
46) surr1,1,2-dichloroetha...	5.793	65	157543	52.24	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.48%				
64) SURR3,Toluene-d8	8.317	98	492490	52.42	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.84%				
69) SURR2,BFB	10.884	95	172222	49.39	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.78%				
Target Compounds							Qvalue
15) Acetone	2.337	43	1328m	1.07	ug/L		
18) Carbon Disulfide	2.477	76	1120	0.22	ug/L		80
111) Trielution Dichlorotol...	12.908	125	1589	0.42	ug/L	#	67
113) Coelution Dichlorotoluene	13.249	125	1097	0.26	ug/L	#	76
118) 2,4,5-Trichlorotoluene	14.414	159	412	0.22	ug/L	#	70
119) 2,3,6-Trichlorotoluene	14.511	159	488	0.29	ug/L	#	71

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

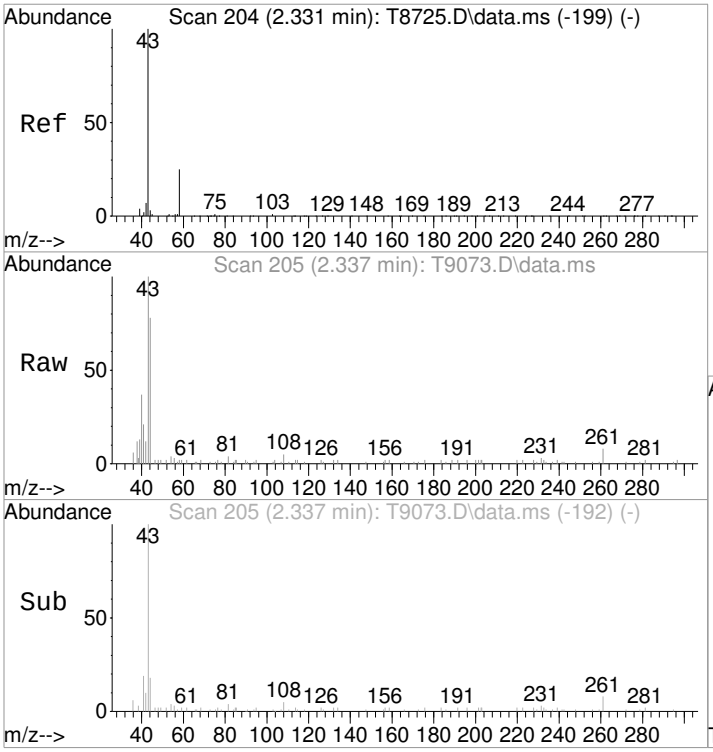
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9073.D
Acq On : 25 Sep 2021 2:22 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 27 15:57:03 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



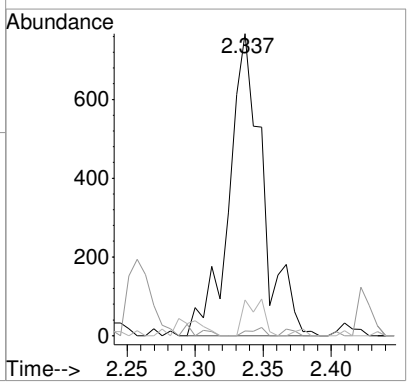
1st FJ 09/27/21
2nd 09/27/21

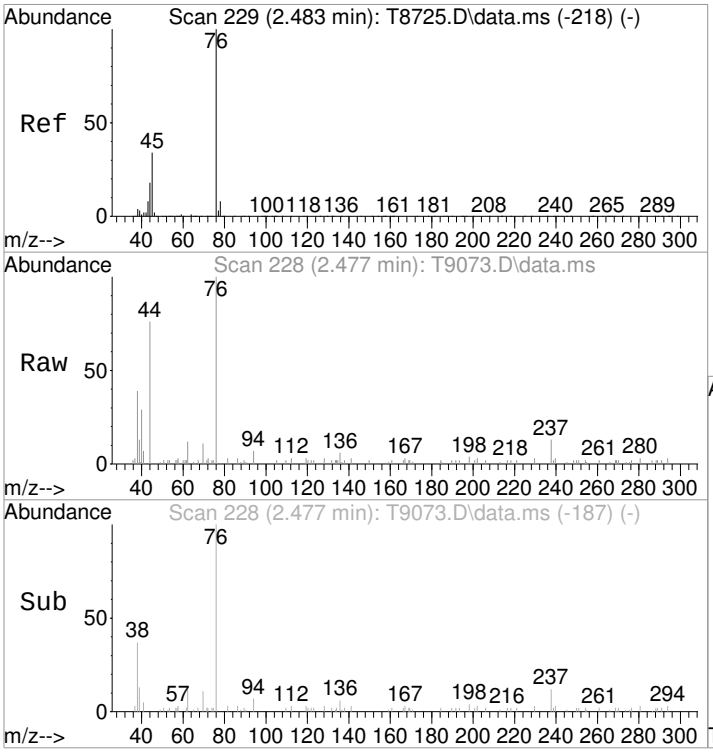


#15
Acetone
Concen: 1.07 ug/L m
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T9073.D
Acq: 25 Sep 2021 2:22 pm

Tgt Ion: 43 Resp: 1328

Ion	Ratio	Lower	Upper
43	100		
58	1.6	4.9	44.9#
42	11.9	0.0	27.1

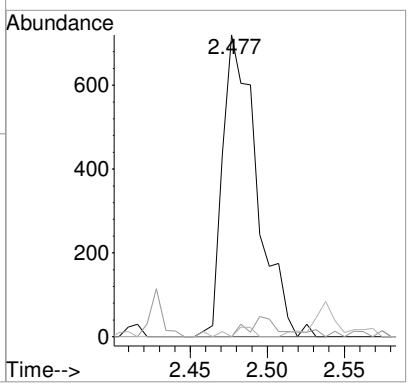


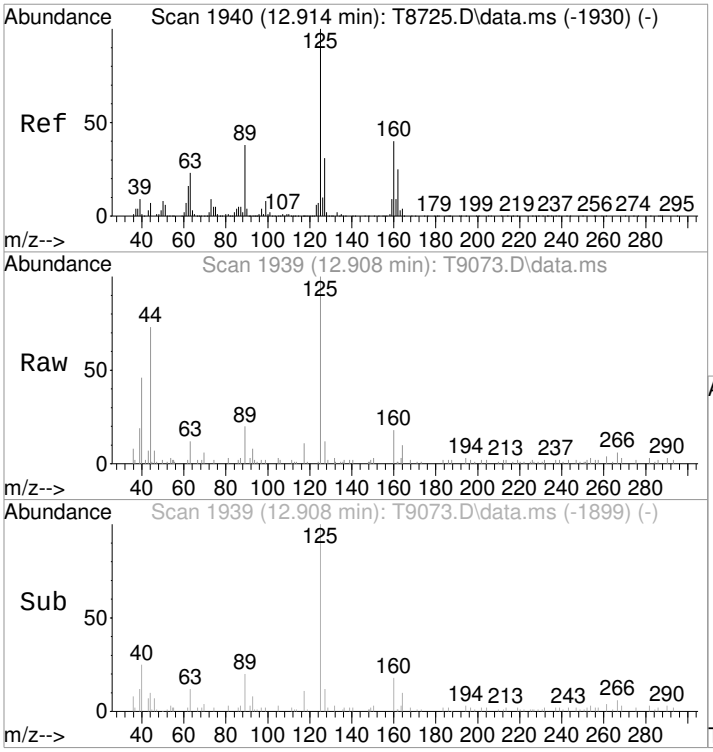


#18
Carbon Disulfide
Concen: 0.22 ug/L
RT: 2.477 min Scan# 228
Delta R.T. -0.006 min
Lab File: T9073.D
Acq: 25 Sep 2021 2:22 pm

Tgt Ion: 76 Resp: 1120

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	28.4
77	0.0	0.0	22.7

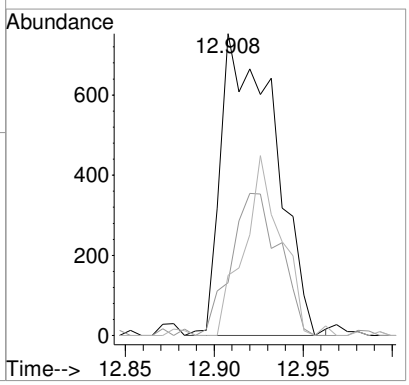


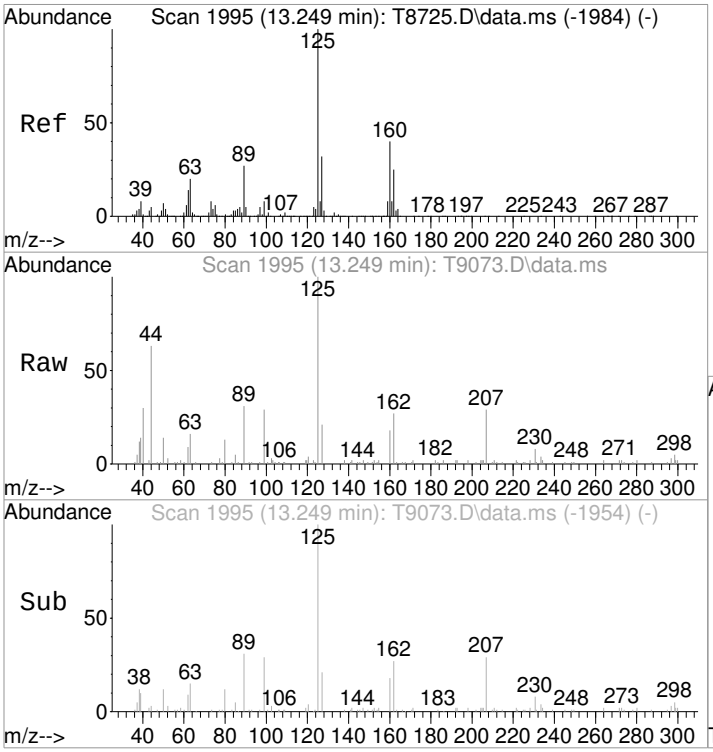


#111
Trielution Dichlorotoluene
Concen: 0.42 ug/L
RT: 12.908 min Scan# 1939
Delta R.T. -0.006 min
Lab File: T9073.D
Acq: 25 Sep 2021 2:22 pm

Tgt Ion:125 Resp: 1589

Ion	Ratio	Lower	Upper
125	100		
160	17.5	19.9	59.9#
89	19.9	18.2	58.2

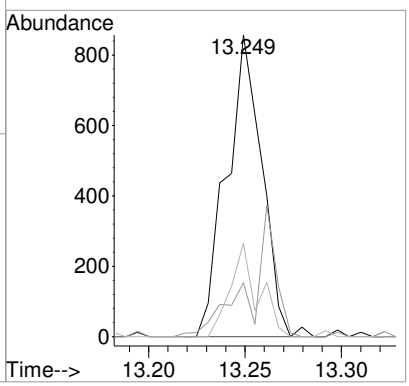


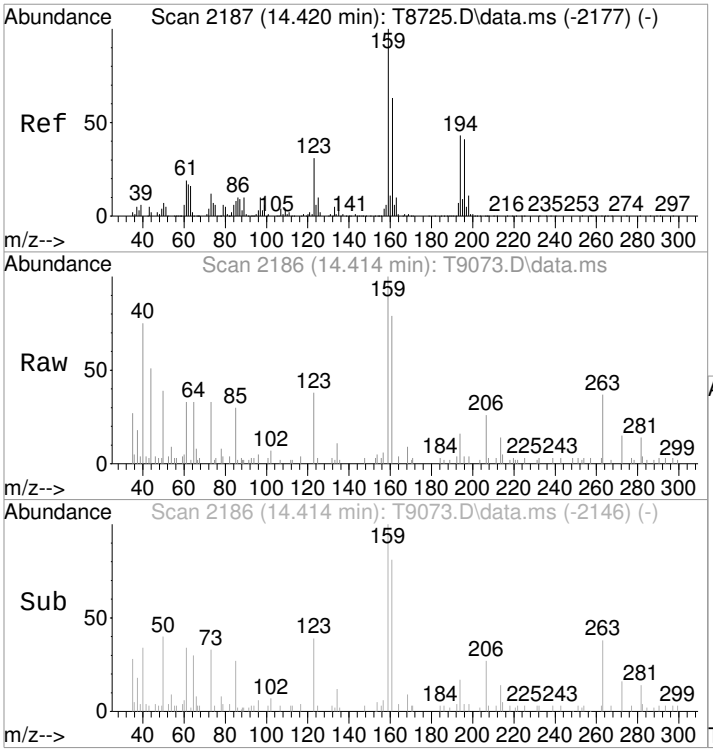


#113
Coelution Dichlorotoluene
Concen: 0.26 ug/L
RT: 13.249 min Scan# 1995
Delta R.T. -0.000 min
Lab File: T9073.D
Acq: 25 Sep 2021 2:22 pm

Tgt Ion:125 Resp: 1097

Ion	Ratio	Lower	Upper
125	100		
160	18.0	19.6	59.6#
89	31.0	7.5	47.5

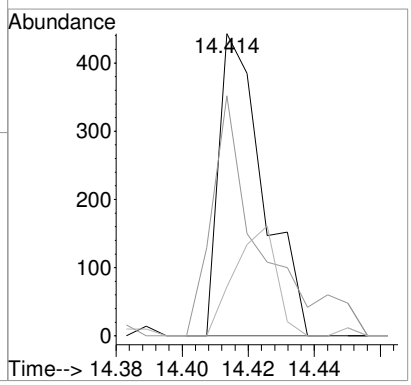


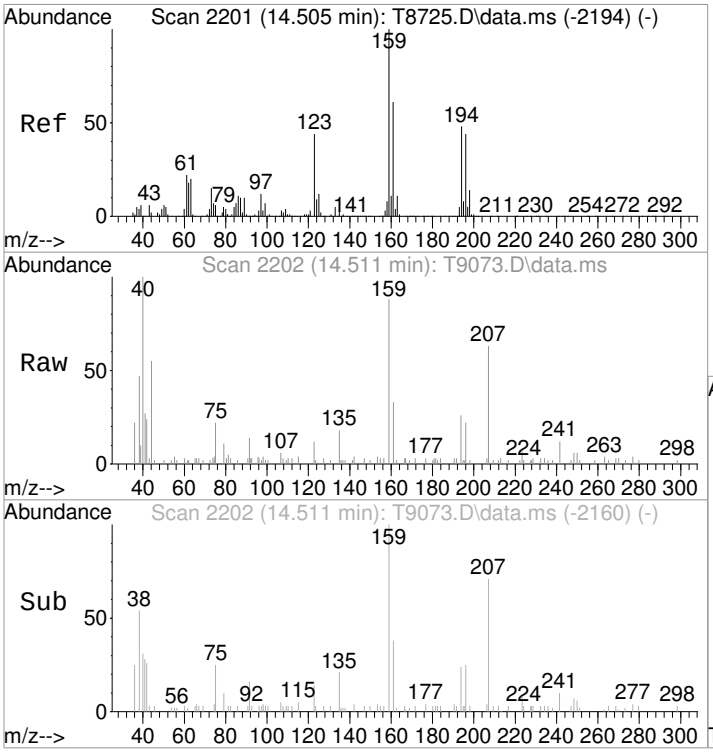


#118
2,4,5-Trichlorotoluene
Concen: 0.22 ug/L
RT: 14.414 min Scan# 2186
Delta R.T. -0.006 min
Lab File: T9073.D
Acq: 25 Sep 2021 2:22 pm

Tgt Ion:159 Resp: 412

Ion	Ratio	Lower	Upper
159	100		
161	79.5	42.7	82.7
194	16.3	23.1	63.1#

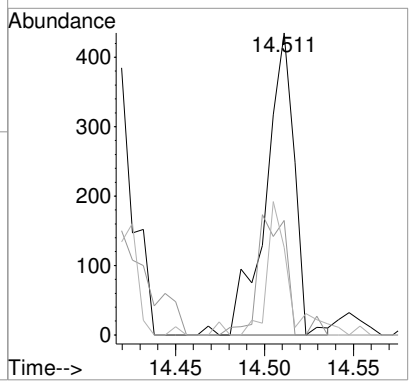




#119
2,3,6-Trichlorotoluene
Concen: 0.29 ug/L
RT: 14.511 min Scan# 2202
Delta R.T. 0.006 min
Lab File: T9073.D
Acq: 25 Sep 2021 2:22 pm

Tgt Ion:159 Resp: 488

Ion	Ratio	Lower	Upper
159	100		
161	37.9	40.6	80.6#
194	29.0	28.1	68.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9070.D
Acq On : 25 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 25 18:19:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	288163	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	450022	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	405814	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	207361	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	132747	52.83	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 105.66%				
46) surr1,1,2-dichloroetha...	5.793	65	162044	49.72	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.44%				
64) SURR3,Toluene-d8	8.317	98	514910	50.72	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.44%				
69) SURR2,BFB	10.884	95	182807	48.52	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.04%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	48122	15.49	ug/L		98
3) Chloromethane	1.288	50	70548	20.61	ug/L		94
4) Vinyl Chloride	1.361	62	63923	17.44	ug/L		96
5) Bromomethane	1.587	94	49548	10.94	ug/L		91
6) Chloroethane	1.672	64	39434	16.09	ug/L		92
7) Freon 21	1.818	67	104399	15.81	ug/L		97
8) Trichlorofluoromethane	1.861	101	55929	13.15	ug/L		94
9) Diethyl Ether	2.099	59	47361	19.22	ug/L		93
10) Freon 123a	2.105	67	60785	19.22	ug/L		91
11) Freon 123	2.154	83	67950	19.31	ug/L		96
12) Acrolein	2.203	56	25686	42.86	ug/L		97
13) 1,1-Diclethene	2.288	96	37023	15.70	ug/L	#	87
14) Freon 113	2.300	101	29754	13.27	ug/L		96
15) Acetone	2.337	43	21540	16.14	ug/L		97
16) 2-Propanol	2.465	45	92089	324.83	ug/L		91
17) Iodomethane	2.422	142	57605	17.65	ug/L		100
18) Carbon Disulfide	2.483	76	113858	20.91	ug/L		98
19) Acetonitrile	2.587	41	42395	84.59	ug/L		93
20) Allyl Chloride	2.623	76	24579	18.09	ug/L	#	78
21) Methyl Acetate	2.648	43	62824	19.46	ug/L		94
22) Methylene Chloride	2.745	84	53340	18.29	ug/L		95
23) TBA	2.867	59	165009	368.69	ug/L		95
24) Acrylonitrile	2.995	53	138866	99.12	ug/L		96
25) Methyl-t-Butyl Ether	3.044	73	170766	18.50	ug/L		96
26) trans-1,2-Dichloroethene	3.038	96	49304	18.96	ug/L		91
27) 1,1-Diclethane	3.538	63	88268	18.52	ug/L		94
28) Vinyl Acetate	3.635	86	8176	14.60	ug/L	#	50
29) DIPE	3.660	45	177600	20.11	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.666	53	72853	19.90	ug/L		96
31) ETBE	4.190	59	158141	19.13	ug/L		100
32) 2,2-Dichloropropane	4.373	77	50701	13.75	ug/L		91
33) cis-1,2-Dichloroethene	4.385	96	57936	19.51	ug/L		95
34) 2-Butanone	4.428	43	37048	19.08	ug/L		95
35) Propionitrile	4.507	54	56115	97.22	ug/L		98
36) Bromochloromethane	4.781	130	36930	19.25	ug/L	#	78
37) Methacrylonitrile	4.775	67	29311	20.14	ug/L		98
38) Tetrahydrofuran	4.873	42	21042	17.42	ug/L		91
39) Chloroform	4.958	83	87491	18.32	ug/L		94
40) 1,1,1-Trichloroethane	5.263	97	57198	15.06	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9070.D
Acq On : 25 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 25 18:19:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	42394	15.66	ug/L		97
44) Carbontetrachloride	5.543	117	39590	12.55	ug/L		91
45) 1,1-Dichloropropene	5.556	75	53411	15.88	ug/L		99
47) Benzene	5.879	78	195158	18.46	ug/L		96
48) 1,2-Dichloroethane	5.915	62	78424	19.11	ug/L		96
49) Iso-Butyl Alcohol	5.891	43	55840	306.43	ug/L		97
50) TAME	6.116	73	156790	19.14	ug/L		98
51) n-Heptane	6.360	43	30519	10.15	ug/L		97
52) 1-Butanol	6.860	56	88269	969.01	ug/L		98
53) Trichloroethene	6.830	130	45506	17.39	ug/L		93
54) Methylcyclohexane	7.061	55	62899	20.24	ug/L		99
55) 1,2-Diclpropane	7.110	63	53936	18.49	ug/L		100
56) Dibromomethane	7.250	93	34736	18.17	ug/L		93
57) 1,4-Dioxane	7.305	88	20432	400.86	ug/L		89
58) Methyl Methacrylate	7.336	69	44668	18.78	ug/L		96
59) Bromodichloromethane	7.476	83	63614	18.58	ug/L		96
60) 2-Nitropropane	7.756	41	19793	22.94	ug/L	#	71
62) cis-1,3-Dichloropropene	8.025	75	71201	16.83	ug/L		98
63) 4-Methyl-2-pentanone	8.226	43	62515	17.26	ug/L		87
65) Toluene	8.390	91	202647	17.81	ug/L		95
66) trans-1,3-Dichloropropene	8.665	75	62212	16.32	ug/L		99
67) Ethyl Methacrylate	8.805	69	64480	16.01	ug/L		92
68) 1,1,2-Trichloroethane	8.848	97	52409	20.08	ug/L		93
71) Tetrachloroethene	8.988	164	28288	15.34	ug/L		92
72) 2-Hexanone	9.140	43	45907	18.20	ug/L		92
73) 1,3-Dichloropropane	9.018	76	85527	19.64	ug/L		93
74) Dibromochloromethane	9.244	129	44443	18.47	ug/L		99
75) N-Butyl Acetate	9.299	43	86185	16.17	ug/L		96
76) 1,2-Dibromoethane	9.341	107	51863	20.25	ug/L		93
77) 3-Chlorobenzotrifluoride	9.853	180	70200	20.73	ug/L		92
78) Chlorobenzene	9.835	112	140431	20.19	ug/L		90
79) 4-Chlorobenzotrifluoride	9.908	180	64052	21.10	ug/L		92
80) 1,1,1,2-Tetrachloroethane	9.921	131	42630	18.14	ug/L		94
81) Ethylbenzene	9.957	106	66477	18.07	ug/L		93
82) (m+p)Xylene	10.073	106	161858	36.98	ug/L		99
83) o-Xylene	10.427	106	83999	18.88	ug/L		99
84) Styrene	10.439	104	146704	19.44	ug/L		95
85) Bromoform	10.591	173	26545	17.99	ug/L		84
86) 2-Chlorobenzotrifluoride	10.670	180	69710	20.66	ug/L		98
87) Isopropylbenzene	10.762	105	174793	16.64	ug/L		99
88) Cyclohexanone	10.823	55	60966	116.41	ug/L		96
89) trans-1,4-Dichloro-2-B...	11.073	53	14243	17.09	ug/L		87
91) 1,1,2,2-Tetrachloroethane	11.018	83	76213	21.05	ug/L		99
92) Bromobenzene	11.006	156	57931	20.50	ug/L		99
93) 1,2,3-Trichloropropane	11.048	110	22482	19.62	ug/L	#	88
94) n-Propylbenzene	11.115	91	216616	17.19	ug/L		99
95) 2-Chlorotoluene	11.182	91	141470	17.86	ug/L		96
96) 3-Chlorotoluene	11.231	91	174094	22.21	ug/L		97
97) 4-Chlorotoluene	11.274	91	167529	19.04	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	157501	17.11	ug/L		92
99) tert-Butylbenzene	11.542	119	122930	15.96	ug/L		97
100) 1,2,4-Trimethylbenzene	11.579	105	163957	17.85	ug/L		96
101) 3,4-Dichlorobenzotrifl...	11.640	214	51598	20.48	ug/L		94
102) sec-Butylbenzene	11.725	105	170511	15.54	ug/L		98
103) p-Isopropyltoluene	11.847	119	146207	15.69	ug/L		98
104) 1,3-Dclbenz	11.804	146	99447	18.49	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9070.D
Acq On : 25 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 25 18:19:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

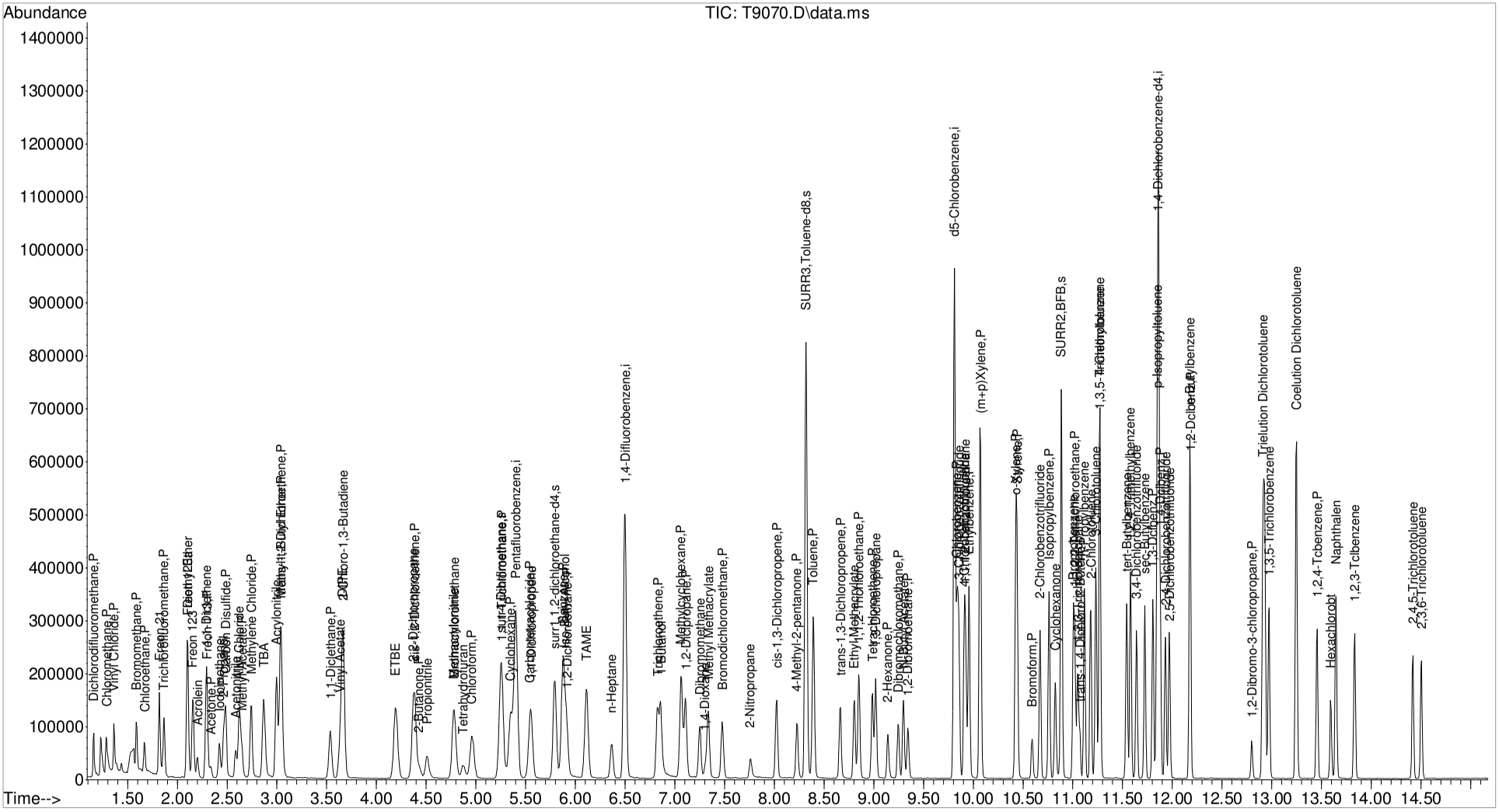
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,4-Dclbenz	11.877	146	102639	17.29	ug/L		92
106) 2,4-Dichlorobenzotrifl...	11.932	214	48095	21.60	ug/L		96
107) 2,5-Dichlorobenzotrifl...	11.975	214	51017	20.06	ug/L		94
108) n-Butylbenzene	12.176	91	131031	14.74	ug/L		98
109) 1,2-Dclbenz	12.182	146	105764	19.53	ug/L		99
110) 1,2-Dibromo-3-chloropr...	12.804	157	12229	18.48	ug/L		88
111) Trielution Dichlorotol...	12.914	125	279375	66.92	ug/L		96
112) 1,3,5-Trichlorobenzene	12.975	180	78444	21.98	ug/L		93
113) Coelution Dichlorotoluene	13.249	125	202210	43.93	ug/L		97
114) 1,2,4-Tcbenzene	13.456	180	66154	20.24	ug/L		98
115) Hexachlorobt	13.591	225	20785	18.82	ug/L	#	81
116) Naphthalen	13.645	128	202915	20.09	ug/L		98
117) 1,2,3-Tclbenzene	13.834	180	61600	18.10	ug/L		98
118) 2,4,5-Trichlorotoluene	14.420	159	47442	23.52	ug/L		93
119) 2,3,6-Trichlorotoluene	14.505	159	41799	22.71	ug/L		92

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9070.D
Acq On : 25 Sep 2021 1:16 pm
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 25 18:19:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st FJ 09/26/21
2nd 09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9089.D
Acq On : 25 Sep 2021 8:11 pm
Operator : F.NAEGLER
Sample : R2109635-003MS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 26 09:57:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	273347	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	426355	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	385138	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	225404	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	127260	53.46	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.92%				
46) surr1,1,2-dichloroetha...	5.793	65	155847	50.47	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.94%				
64) SURR3,Toluene-d8	8.317	98	500520	52.04	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.08%				
69) SURR2,BFB	10.884	95	188705	52.86	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.72%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	147632	50.11	ug/L		98
3) Chloromethane	1.288	50	188070	57.93	ug/L		99
4) Vinyl Chloride	1.361	62	190478	54.79	ug/L		99
5) Bromomethane	1.587	94	118777	27.66	ug/L		97
6) Chloroethane	1.666	64	115893	49.84	ug/L		96
7) Freon 21	1.818	67	231088	36.90	ug/L		98
8) Trichlorofluoromethane	1.867	101	194386	48.16	ug/L		99
9) Diethyl Ether	2.099	59	116582	49.87	ug/L		88
10) Freon 123a	2.105	67	141081	47.02	ug/L		98
11) Freon 123	2.154	83	149503	44.78	ug/L		94
12) Acrolein	2.203	56	57427	101.01	ug/L		97
13) 1,1-Diclethene	2.294	96	109228	48.84	ug/L		91
14) Freon 113	2.300	101	108578	51.05	ug/L		95
15) Acetone	2.331	43	53680	42.41	ug/L		85
16) 2-Propanol	2.465	45	197787	735.47	ug/L		96
17) Iodomethane	2.422	142	148242	47.87	ug/L		95
18) Carbon Disulfide	2.483	76	289343	56.01	ug/L		98
19) Acetonitrile	2.587	41	95953	201.83	ug/L		95
20) Allyl Chloride	2.623	76	56524	43.85	ug/L	#	85
21) Methyl Acetate	2.648	43	121194	39.57	ug/L		99
22) Methylene Chloride	2.739	84	126198	45.62	ug/L		97
23) TBA	2.867	59	346881	817.07	ug/L		92
24) Acrylonitrile	2.995	53	318098	239.36	ug/L		96
25) Methyl-t-Butyl Ether	3.044	73	387866	44.29	ug/L		99
26) trans-1,2-Dichloroethene	3.038	96	129330	52.43	ug/L		98
27) 1,1-Diclethane	3.538	63	227034	50.22	ug/L		96
28) Vinyl Acetate	3.629	86	14654	27.58	ug/L	#	92
29) DIPE	3.666	45	406655	48.55	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.660	53	208061	59.90	ug/L		98
31) ETBE	4.196	59	345917	44.12	ug/L		98
32) 2,2-Dichloropropane	4.373	77	119792	34.25	ug/L		95
33) cis-1,2-Dichloroethene	4.385	96	137875	48.95	ug/L		85
34) 2-Butanone	4.428	43	86583	47.01	ug/L		98
35) Propionitrile	4.507	54	128835	235.30	ug/L		94
36) Bromochloromethane	4.781	130	85069	46.75	ug/L	#	88
37) Methacrylonitrile	4.781	67	67315	48.77	ug/L		88
38) Tetrahydrofuran	4.867	42	48580	42.39	ug/L		98
39) Chloroform	4.964	83	220624	48.46	ug/L		99
40) 1,1,1-Trichloroethane	5.263	97	175833	48.80	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9089.D
Acq On : 25 Sep 2021 8:11 pm
Operator : F.NAEGLER
Sample : R2109635-003MS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 26 09:57:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.354	41	109449	42.68	ug/L		95
44) Carbontetrachloride	5.543	117	122339	40.94	ug/L		99
45) 1,1-Dichloropropene	5.556	75	166883	52.38	ug/L		94
47) Benzene	5.873	78	502949	50.22	ug/L		99
48) 1,2-Dichloroethane	5.909	62	187519	48.22	ug/L		97
49) Iso-Butyl Alcohol	5.891	43	129325	749.08	ug/L		94
50) TAME	6.110	73	345993	44.59	ug/L		98
51) n-Heptane	6.366	43	126514	44.41	ug/L		91
52) 1-Butanol	6.860	56	203661	2165.32	ug/L		98
53) Trichloroethene	6.824	130	127823	51.57	ug/L		93
54) Methylcyclohexane	7.061	55	150337	51.07	ug/L		98
55) 1,2-Diclpropane	7.110	63	133471	48.30	ug/L		99
56) Dibromomethane	7.250	93	85290	47.08	ug/L		93
57) 1,4-Dioxane	7.311	88	46909	971.42	ug/L		85
58) Methyl Methacrylate	7.336	69	102448	45.46	ug/L		94
59) Bromodichloromethane	7.476	83	148104	45.66	ug/L		98
60) 2-Nitropropane	7.762	41	41801	51.15	ug/L		91
62) cis-1,3-Dichloropropene	8.025	75	168306	41.99	ug/L		95
63) 4-Methyl-2-pentanone	8.226	43	160817	46.86	ug/L		95
65) Toluene	8.390	91	552872	51.28	ug/L		94
66) trans-1,3-Dichloropropene	8.665	75	143267	39.66	ug/L		98
67) Ethyl Methacrylate	8.805	69	154151	40.40	ug/L		93
68) 1,1,2-Trichloroethane	8.848	97	121755	49.25	ug/L		98
71) Tetrachloroethene	8.982	164	120271	68.71	ug/L		95
72) 2-Hexanone	9.140	43	115963	48.45	ug/L		91
73) 1,3-Dichloropropane	9.018	76	204378	49.45	ug/L		97
74) Dibromochloromethane	9.244	129	99212	43.45	ug/L		96
75) N-Butyl Acetate	9.299	43	171332	33.86	ug/L		96
76) 1,2-Dibromoethane	9.341	107	120923	49.74	ug/L		91
77) 3-Chlorobenzotrifluoride	9.853	180	168528	52.43	ug/L		95
78) Chlorobenzene	9.835	112	345027	52.26	ug/L		99
79) 4-Chlorobenzotrifluoride	9.908	180	150985	52.41	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.927	131	101282	45.42	ug/L		96
81) Ethylbenzene	9.957	106	188681	54.04	ug/L		96
82) (m+p)Xylene	10.067	106	466361	112.28	ug/L		97
83) o-Xylene	10.427	106	233282	55.26	ug/L		94
84) Styrene	10.439	104	387221	52.03	ug/L		99
85) Bromoform	10.591	173	63644	42.56	ug/L		93
86) 2-Chlorobenzotrifluoride	10.670	180	172277	53.79	ug/L		96
87) Isopropylbenzene	10.762	105	570871	57.25	ug/L		99
88) Cyclohexanone	10.823	55	137659	276.97	ug/L		94
89) trans-1,4-Dichloro-2-B...	11.067	53	36145	43.27	ug/L	#	72
91) 1,1,2,2-Tetrachloroethane	11.018	83	184997	47.00	ug/L		97
92) Bromobenzene	11.006	156	147127	47.90	ug/L		97
93) 1,2,3-Trichloropropane	11.048	110	52896	42.47	ug/L		94
94) n-Propylbenzene	11.115	91	711502	51.96	ug/L		99
95) 2-Chlorotoluene	11.176	91	417726	48.52	ug/L		97
96) 3-Chlorotoluene	11.231	91	411417	48.28	ug/L		95
97) 4-Chlorotoluene	11.274	91	500027	52.28	ug/L		96
98) 1,3,5-Trimethylbenzene	11.268	105	517840	51.76	ug/L		98
99) tert-Butylbenzene	11.542	119	432297	51.63	ug/L		99
100) 1,2,4-Trimethylbenzene	11.579	105	513041	51.38	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	132210	48.28	ug/L		93
102) sec-Butylbenzene	11.725	105	646914	54.25	ug/L		99
103) p-Isopropyltoluene	11.847	119	546795	53.99	ug/L		99
104) 1,3-Dclbenz	11.804	146	285204	48.78	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9089.D
Acq On : 25 Sep 2021 8:11 pm
Operator : F.NAEGLER
Sample : R2109635-003MS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 26 09:57:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

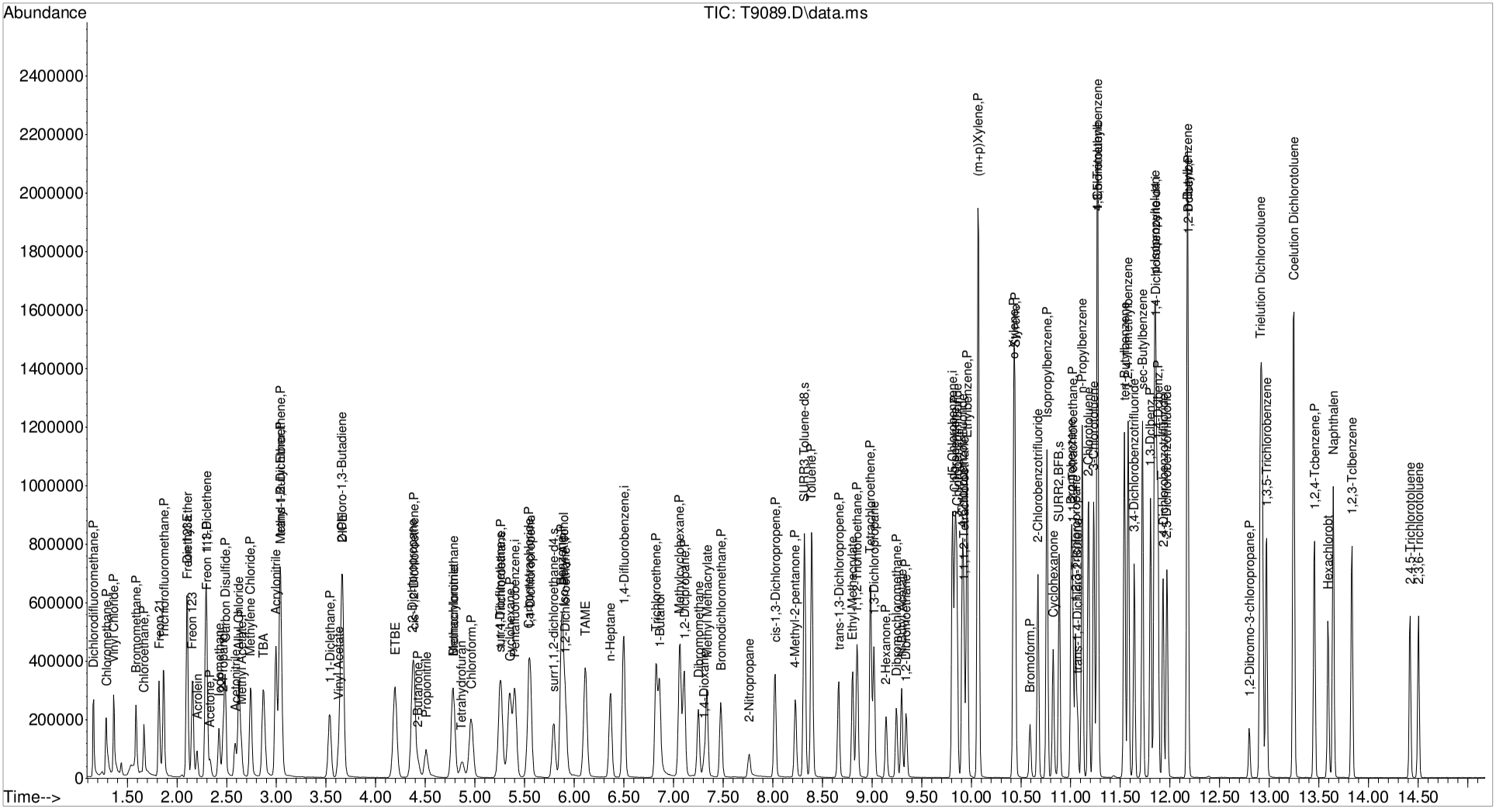
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.877	146	298928	46.33	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.932	214	125231	51.75	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.969	214	137845	49.86	ug/L	95
108) n-Butylbenzene	12.176	91	505393	52.28	ug/L	98
109) 1,2-Dclbenz	12.182	146	290540	49.36	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	29009	40.32	ug/L	96
111) Trielution Dichlorotol...	12.914	125	717290	158.07	ug/L	96
112) 1,3,5-Trichlorobenzene	12.975	180	195897	50.50	ug/L	97
113) Coelution Dichlorotoluene	13.249	125	512232	102.38	ug/L	99
114) 1,2,4-Tcbenzene	13.456	180	184185	51.84	ug/L	96
115) Hexachlorobt	13.591	225	69143	56.56	ug/L	93
116) Naphthalen	13.645	128	572365	52.13	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	178143	48.16	ug/L	98
118) 2,4,5-Trichlorotoluene	14.420	159	109710	50.03	ug/L	98
119) 2,3,6-Trichlorotoluene	14.505	159	100210	50.09	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9089.D
Acq On : 25 Sep 2021 8:11 pm
Operator : F.NAEGLER
Sample : R2109635-003MS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 26 09:57:20 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st 09/27/21
2nd 09/27/21

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9090.D
Acq On : 25 Sep 2021 8:33 pm
Operator : F.NAEGLER
Sample : R2109635-003DMS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 26 09:57:42 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.409	168	282941	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	444499	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	408490	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	238082	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	132253	53.29	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.58%				
46) surr1,1,2-dichloroetha...	5.793	65	162261	50.41	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.82%				
64) SURR3,Toluene-d8	8.317	98	517963	51.65	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.30%				
69) SURR2,BFB	10.884	95	199741	53.67	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 107.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	159171	52.20	ug/L		97
3) Chloromethane	1.288	50	203019	60.41	ug/L		97
4) Vinyl Chloride	1.361	62	200917	55.84	ug/L		98
5) Bromomethane	1.587	94	124836	28.08	ug/L		94
6) Chloroethane	1.666	64	117134	48.66	ug/L		96
7) Freon 21	1.818	67	243359	37.54	ug/L		99
8) Trichlorofluoromethane	1.867	101	202770	48.54	ug/L		99
9) Diethyl Ether	2.099	59	121549	50.23	ug/L		91
10) Freon 123a	2.105	67	149961	48.28	ug/L		93
11) Freon 123	2.154	83	159822	46.25	ug/L		96
12) Acrolein	2.203	56	59266	100.71	ug/L		94
13) 1,1-Diclethene	2.294	96	117934	50.94	ug/L		93
14) Freon 113	2.300	101	117051	53.16	ug/L		90
15) Acetone	2.337	43	57983	44.26	ug/L		92
16) 2-Propanol	2.471	45	218485	784.89	ug/L		96
17) Iodomethane	2.422	142	171819	53.61	ug/L		95
18) Carbon Disulfide	2.483	76	320357	59.91	ug/L		99
19) Acetonitrile	2.587	41	115251	234.20	ug/L		97
20) Allyl Chloride	2.623	76	62430	46.79	ug/L	#	88
21) Methyl Acetate	2.648	43	133804	42.20	ug/L		97
22) Methylene Chloride	2.745	84	134229	46.88	ug/L		97
23) TBA	2.873	59	389960	887.40	ug/L		96
24) Acrylonitrile	2.995	53	334769	243.37	ug/L		97
25) Methyl-t-Butyl Ether	3.044	73	411130	45.36	ug/L		97
26) trans-1,2-Dichloroethene	3.038	96	133339	52.22	ug/L		94
27) 1,1-Diclethane	3.538	63	245955	52.56	ug/L		97
28) Vinyl Acetate	3.629	86	17450	31.73	ug/L	#	88
29) DIPE	3.666	45	428694	49.44	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.660	53	216314	60.17	ug/L		96
31) ETBE	4.196	59	372829	45.94	ug/L		96
32) 2,2-Dichloropropane	4.373	77	131579	36.35	ug/L		98
33) cis-1,2-Dichloroethene	4.379	96	149438	51.26	ug/L	#	81
34) 2-Butanone	4.428	43	88570	46.46	ug/L		98
35) Propionitrile	4.507	54	134859	237.95	ug/L		96
36) Bromochloromethane	4.781	130	92686	49.20	ug/L		92
37) Methacrylonitrile	4.775	67	69558	48.69	ug/L		87
38) Tetrahydrofuran	4.867	42	50176	42.30	ug/L		97
39) Chloroform	4.958	83	235241	49.89	ug/L		95
40) 1,1,1-Trichloroethane	5.263	97	191415	51.32	ug/L		91

1st FNJ 09/27/21
2nd 09/27/21

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9090.D
Acq On : 25 Sep 2021 8:33 pm
Operator : F.NAEGLER
Sample : R2109635-003DMS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 26 09:57:42 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42)	Cyclohexane	5.354	41	116721	43.66	ug/L	100
44)	Carbontetrachloride	5.543	117	141836	45.53	ug/L	95
45)	1,1-Dichloropropene	5.556	75	177363	53.40	ug/L	96
47)	Benzene	5.873	78	525075	50.29	ug/L	99
48)	1,2-Dichloroethane	5.915	62	198186	48.89	ug/L	98
49)	Iso-Butyl Alcohol	5.891	43	142663	792.60	ug/L	92
50)	TAME	6.116	73	371176	45.88	ug/L	98
51)	n-Heptane	6.366	43	139094	46.83	ug/L	99
52)	1-Butanol	6.860	56	228746	2309.99	ug/L	97
53)	Trichloroethene	6.830	130	137730	53.30	ug/L	97
54)	Methylcyclohexane	7.061	55	154784	50.43	ug/L	93
55)	1,2-Diclpropane	7.104	63	137383	47.68	ug/L	99
56)	Dibromomethane	7.250	93	89458	47.37	ug/L	93
57)	1,4-Dioxane	7.305	88	49543	984.08	ug/L	78
58)	Methyl Methacrylate	7.336	69	109916	46.78	ug/L	90
59)	Bromodichloromethane	7.476	83	158955	47.00	ug/L	95
60)	2-Nitropropane	7.762	41	46477	54.55	ug/L	96
61)	2-Chloroethylvinyl Ether	7.836	63	437	0.23	ug/L	78
62)	cis-1,3-Dichloropropene	8.025	75	183669	43.95	ug/L	95
63)	4-Methyl-2-pentanone	8.226	43	164632	46.01	ug/L	93
65)	Toluene	8.390	91	579932	51.59	ug/L	98
66)	trans-1,3-Dichloropropene	8.665	75	154586	41.05	ug/L	98
67)	Ethyl Methacrylate	8.805	69	165038	41.49	ug/L	93
68)	1,1,2-Trichloroethane	8.854	97	128319	49.79	ug/L	100
71)	Tetrachloroethene	8.988	164	130055	70.05	ug/L	96
72)	2-Hexanone	9.140	43	119256	46.97	ug/L	96
73)	1,3-Dichloropropane	9.018	76	210431	48.01	ug/L	99
74)	Dibromochloromethane	9.244	129	110575	45.66	ug/L	95
75)	N-Butyl Acetate	9.299	43	187628	34.96	ug/L	95
76)	1,2-Dibromoethane	9.341	107	126557	49.08	ug/L	90
77)	3-Chlorobenzotrifluoride	9.853	180	181060	53.11	ug/L	92
78)	Chlorobenzene	9.835	112	360313	51.46	ug/L	95
79)	4-Chlorobenzotrifluoride	9.908	180	158543	51.89	ug/L	93
80)	1,1,1,2-Tetrachloroethane	9.927	131	107594	45.49	ug/L	98
81)	Ethylbenzene	9.957	106	194922	52.64	ug/L	96
82)	(m+p)Xylene	10.067	106	499457	113.38	ug/L	98
83)	o-Xylene	10.427	106	245829	54.90	ug/L	89
84)	Styrene	10.439	104	407868	51.69	ug/L	98
85)	Bromoform	10.591	173	69202	43.52	ug/L	99
86)	2-Chlorobenzotrifluoride	10.670	180	178897	52.67	ug/L	99
87)	Isopropylbenzene	10.762	105	601404	56.87	ug/L	97
88)	Cyclohexanone	10.823	55	144300	273.73	ug/L	93
89)	trans-1,4-Dichloro-2-B...	11.067	53	37787	42.70	ug/L	77
91)	1,1,2,2-Tetrachloroethane	11.024	83	191961	46.17	ug/L	96
92)	Bromobenzene	11.006	156	155948	48.07	ug/L	97
93)	1,2,3-Trichloropropane	11.048	110	55985	42.55	ug/L	96
94)	n-Propylbenzene	11.115	91	750764	51.90	ug/L	99
95)	2-Chlorotoluene	11.182	91	430981	47.39	ug/L	98
96)	3-Chlorotoluene	11.231	91	435758	48.42	ug/L	99
97)	4-Chlorotoluene	11.274	91	523228	51.79	ug/L	97
98)	1,3,5-Trimethylbenzene	11.268	105	546876	51.75	ug/L	98
99)	tert-Butylbenzene	11.542	119	460984	52.13	ug/L	95
100)	1,2,4-Trimethylbenzene	11.579	105	545419	51.71	ug/L	98
101)	3,4-Dichlorobenzotrifl...	11.640	214	140962	48.73	ug/L	91
102)	sec-Butylbenzene	11.725	105	675987	53.67	ug/L	99
103)	p-Isopropyltoluene	11.847	119	583543	54.55	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9090.D
Acq On : 25 Sep 2021 8:33 pm
Operator : F.NAEGLER
Sample : R2109635-003DMS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 26 09:57:42 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

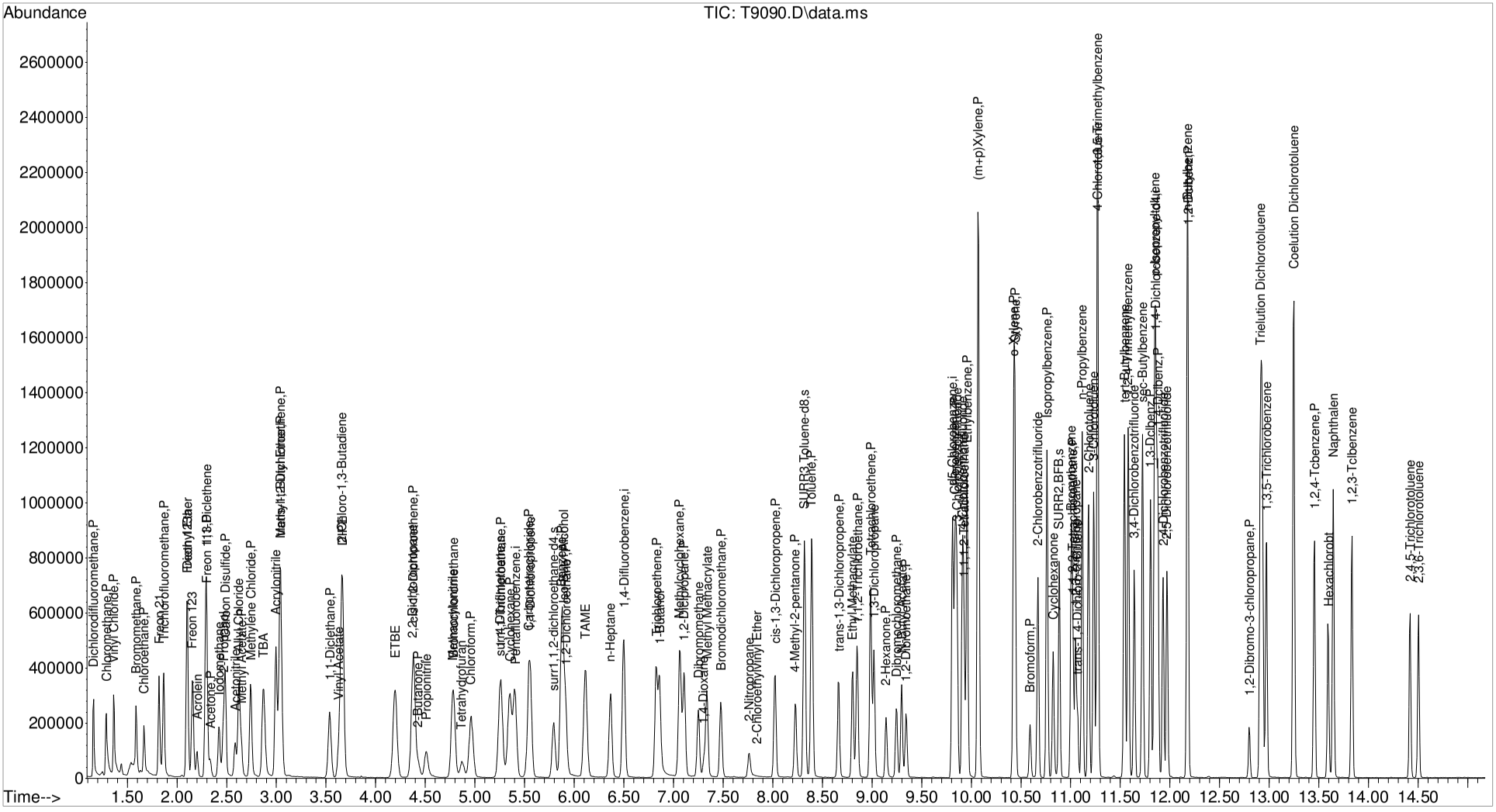
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	302512	48.99	ug/L	97
105) 1,4-Dclbenz	11.877	146	327971	48.13	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.932	214	129155	50.53	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.969	214	148686	50.92	ug/L	99
108) n-Butylbenzene	12.176	91	524552	51.38	ug/L	97
109) 1,2-Dclbenz	12.182	146	311908	50.17	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.798	157	32777	43.13	ug/L	94
111) Trielution Dichlorotol...	12.914	125	756370	157.81	ug/L	98
112) 1,3,5-Trichlorobenzene	12.975	180	206598	50.42	ug/L	98
113) Coelution Dichlorotoluene	13.249	125	553765	104.79	ug/L	98
114) 1,2,4-Tcbenzene	13.456	180	202590	53.98	ug/L	99
115) Hexachlorobt	13.597	225	75564	58.45	ug/L	97
116) Naphthalen	13.645	128	607952	52.42	ug/L	98
117) 1,2,3-Tclbenzene	13.834	180	197285	50.50	ug/L	97
118) 2,4,5-Trichlorotoluene	14.420	159	123138	53.17	ug/L	99
119) 2,3,6-Trichlorotoluene	14.505	159	109807	51.97	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9090.D
Acq On : 25 Sep 2021 8:33 pm
Operator : F.NAEGLER
Sample : R2109635-003DMS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 26 09:57:42 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration



1st FJ 09/27/21
2nd 09/27/21

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9069.D
Acq On : 25 Sep 2021 12:54 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 18:17:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.000	50.000	0.0	107	0.00
2	P	Dichlorodifluoromethane	50.000	62.192	-24.4#	150	0.00
3	P	Chloromethane	50.000	50.440	-0.9	123	0.00
4	P	Vinyl Chloride	50.000	51.909	-3.8	123	0.00
5	P	Bromomethane	50.000	33.641	32.7#	94	0.00
6	P	Chloroethane	50.000	43.557	12.9	108	0.00
7		Freon 21	50.000	46.576	6.8	136	0.00
8	P	Trichlorofluoromethane	50.000	53.935	-7.9	150	0.00
9		Diethyl Ether	50.000	51.844	-3.7	115	0.00
10		Freon 123a	50.000	53.420	-6.8	143	0.00
11		Freon 123	50.000	55.389	-10.8	149	0.00
12		Acrolein	250.000	306.124	-22.4#	137	0.00
13		1,1-Diclethene	50.000	54.979	-10.0	141	0.00
14	P	Freon 113	50.000	59.503	-19.0	156	0.00
15	P	Acetone	50.000	42.948	14.1	104	0.00
16		2-Propanol	1000.000	818.757	18.1	92	0.00
17		Iodomethane	50.000	54.400	-8.8	129	0.00
18	P	Carbon Disulfide	50.000	61.399	-22.8#	155	0.00
19		Acetonitrile	250.000	218.882	12.4	86	0.00
20		Allyl Chloride	50.000	58.577	-17.2	134	0.00
21	P	Methyl Acetate	50.000	42.105	15.8	99	0.00
22	P	Methylene Chloride	50.000	50.090	-0.2	121	0.00
23		TBA	1000.000	894.441	10.6	99	0.00
24		Acrylonitrile	250.000	252.505	-1.0	111	0.00
25	P	Methyl-t-Butyl Ether	50.000	50.590	-1.2	111	0.00
26	P	trans-1,2-Dichloroethene	50.000	56.568	-13.1	137	0.00
27	P	1,1-Diclethane	50.000	54.584	-9.2	126	0.00
28		Vinyl Acetate	50.000	56.146	-12.3	120	0.00
29		DIPE	50.000	49.795	0.4	110	0.00
30		2-Chloro-1,3-Butadiene	50.000	57.496	-15.0	144	0.00
31		ETBE	50.000	51.372	-2.7	116	0.00
32		2,2-Dichloropropane	50.000	46.368	7.3	115	0.00
33	P	cis-1,2-Dichloroethene	50.000	53.026	-6.1	127	0.00
34	P	2-Butanone	50.000	46.395	7.2	105	0.00
35		Propionitrile	250.000	242.673	2.9	110	0.00
36		Bromochloromethane	50.000	52.576	-5.2	121	0.00
37		Methacrylonitrile	50.000	49.526	0.9	105	0.01
38		Tetrahydrofuran	50.000	43.455	13.1	103	0.00
39	P	Chloroform	50.000	53.433	-6.9	121	0.00
40	P	1,1,1-Trichloroethane	50.000	52.461	-4.9	128	-0.01
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
42	P	Cyclohexane	50.000	51.814	-3.6	133	-0.01
43	s	surr4,Dibrflmethane	50.000	57.120	-14.2	115	0.00
44	P	Carbontetrachloride	50.000	51.576	-3.2	129	0.00
45		1,1-Dichloropropene	50.000	56.073	-12.1	137	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	53.851	-7.7	113	0.00
47	P	Benzene	50.000	55.892	-11.8	122	0.00
48	P	1,2-Dichloroethane	50.000	54.517	-9.0	115	0.00
49		Iso-Butyl Alcohol	1000.000	840.619	15.9	85	0.00
50		TAME	50.000	48.797	2.4	106	0.00
51		n-Heptane	50.000	60.040	-20.1#	149	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9069.D
Acq On : 25 Sep 2021 12:54 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 18:17:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.000	2469.948	1.2	96	0.00
53	P	Trichloroethene	50.000	56.779	-13.6	129	0.00
54	P	Methylcyclohexane	50.000	62.673	-25.3#	161	0.00
55	P	1,2-Diclpropane	50.000	51.476	-3.0	115	0.00
56		Dibromomethane	50.000	53.499	-7.0	119	0.00
57		1,4-Dioxane	1000.000	1054.138	-5.4	108	0.00
58		Methyl Methacrylate	50.000	47.923	4.2	97	0.00
59	P	Bromodichloromethane	50.000	55.910	-11.8	113	0.00
60		2-Nitropropane	100.000	69.073	30.9#	70	0.00
61		2-Chloroethylvinyl Ether	50.000	49.307	1.4	100	0.00
62	P	cis-1,3-Dichloropropene	50.000	49.904	0.2	106	0.00
63	P	4-Methyl-2-pentanone	50.000	47.338	5.3	97	0.00
64	s	SURR3,Toluene-d8	50.000	54.869	-9.7	111	0.00
65	P	Toluene	50.000	56.659	-13.3	128	0.00
66	P	trans-1,3-Dichloropropene	50.000	47.032	5.9	94	0.00
67		Ethyl Methacrylate	50.000	49.998	0.0	100	0.00
68	P	1,1,2-Trichloroethane	50.000	53.695	-7.4	110	0.00
69	s	SURR2,BFB	50.000	57.670	-15.3	121	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	107	0.00
71	P	Tetrachloroethene	50.000	57.099	-14.2	145	0.00
72	P	2-Hexanone	50.000	47.161	5.7	97	0.00
73		1,3-Dichloropropane	50.000	50.244	-0.5	107	0.00
74	P	Dibromochloromethane	50.000	54.042	-8.1	114	0.00
75		N-Butyl Acetate	50.000	44.246	11.5	94	0.00
76	P	1,2-Dibromoethane	50.000	53.472	-6.9	109	0.00
77		3-Chlorobenzotrifluoride	50.000	62.942	-25.9#	149	0.00
78	P	Chlorobenzene	50.000	54.943	-9.9	126	0.00
79		4-Chlorobenzotrifluoride	50.000	62.016	-24.0#	151	0.00
80		1,1,1,2-Tetrachloroethane	50.000	50.596	-1.2	110	0.00
81	P	Ethylbenzene	50.000	54.819	-9.6	127	0.00
82	P	(m+p)Xylene	100.000	121.860	-21.9#	136	0.00
83	P	o-Xylene	50.000	57.701	-15.4	131	0.00
84	P	Styrene	50.000	56.005	-12.0	123	0.00
85	P	Bromoform	50.000	51.194	-2.4	104	0.00
86		2-Chlorobenzotrifluoride	50.000	61.444	-22.9#	144	0.00
87	P	Isopropylbenzene	50.000	59.847	-19.7	142	0.00
88		Cyclohexanone	1000.000	737.550	26.2#	76	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	50.278	-0.6	106	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	125	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	45.756	8.5	114	0.00
92		Bromobenzene	50.000	50.283	-0.6	127	0.00
93		1,2,3-Trichloropropane	50.000	43.291	13.4	111	0.00
94		n-Propylbenzene	50.000	51.674	-3.3	138	0.00
95		2-Chlorotoluene	50.000	50.268	-0.5	134	0.00
96		3-Chlorotoluene	50.000	53.956	-7.9	138	0.00
97		4-Chlorotoluene	50.000	52.190	-4.4	137	0.00
98		1,3,5-Trimethylbenzene	50.000	53.734	-7.5	139	0.00
99		tert-Butylbenzene	50.000	53.026	-6.1	150	0.00
100		1,2,4-Trimethylbenzene	50.000	52.916	-5.8	136	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	58.213	-16.4	167	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9069.D
Acq On : 25 Sep 2021 12:54 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 18:17:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.000	54.708	-9.4	149	0.00
103		p-Isopropyltoluene	50.000	58.073	-16.1	151	0.00
104	P	1,3-Dclbenz	50.000	52.577	-5.2	134	0.00
105	P	1,4-Dclbenz	50.000	50.838	-1.7	136	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	63.058	-26.1#	169	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	59.323	-18.6	156	0.00
108		n-Butylbenzene	50.000	55.577	-11.2	144	0.00
109	P	1,2-Dclbenz	50.000	53.067	-6.1	128	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	47.416	5.2	108	0.00
111		Trielution Dichlorotoluene	150.000	176.132	-17.4	143	0.01
112		1,3,5-Trichlorobenzene	50.000	56.627	-13.3	144	0.00
113		Coelution Dichlorotoluene	100.000	118.013	-18.0	142	0.00
114	P	1,2,4-Tcbenzene	50.000	55.877	-11.8	131	0.00
115		Hexachlorobt	50.000	57.256	-14.5	146	0.00
116		Naphthalen	50.000	53.521	-7.0	116	0.00
117		1,2,3-Tclbenzene	50.000	51.623	-3.2	129	0.00
118		2,4,5-Trichlorotoluene	50.000	61.764	-23.5#	143	0.00
119		2,3,6-Trichlorotoluene	50.000	55.623	-11.2	131	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9069.D
Acq On : 25 Sep 2021 12:54 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 18:17:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	277662	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	417279	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.811	117	403608	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	255216	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	133071	57.12	ug/L		0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 114.24%				
46) surr1,1,2-dichloroetha...	5.793	65	162733	53.85	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.70%				
64) SURR3,Toluene-d8	8.317	98	516530	54.87	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 109.74%				
69) SURR2,BFB	10.884	95	201492	57.67	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 115.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	186114	62.19	ug/L		97
3) Chloromethane	1.282	50	166351	50.44	ug/L		99
4) Vinyl Chloride	1.361	62	183294	51.91	ug/L		96
5) Bromomethane	1.587	94	146756	33.64	ug/L		99
6) Chloroethane	1.672	64	102891	43.56	ug/L		93
7) Freon 21	1.818	67	296306	46.58	ug/L		100
8) Trichlorofluoromethane	1.867	101	221112	53.94	ug/L		96
9) Diethyl Ether	2.099	59	123101	51.84	ug/L		91
10) Freon 123a	2.105	67	162827	53.42	ug/L		99
11) Freon 123	2.154	83	187845	55.39	ug/L		95
12) Acrolein	2.196	56	176789	306.12	ug/L		96
13) 1,1-Diclethene	2.294	96	124908	54.98	ug/L		97
14) Freon 113	2.294	101	128563	59.50	ug/L		92
15) Acetone	2.330	43	55219	42.95	ug/L		92
16) 2-Propanol	2.465	45	223660	818.76	ug/L		98
17) Iodomethane	2.422	142	171109	54.40	ug/L		98
18) Carbon Disulfide	2.483	76	322211	61.40	ug/L		99
19) Acetonitrile	2.586	41	105703	218.88	ug/L		96
20) Allyl Chloride	2.623	76	76706	58.58	ug/L	#	76
21) Methyl Acetate	2.647	43	131001	42.10	ug/L		99
22) Methylene Chloride	2.745	84	140738	50.09	ug/L		98
23) TBA	2.867	59	385722	894.44	ug/L		100
24) Acrylonitrile	2.995	53	340861	252.50	ug/L		95
25) Methyl-t-Butyl Ether	3.044	73	449991	50.59	ug/L		96
26) trans-1,2-Dichloroethene	3.038	96	141750	56.57	ug/L		89
27) 1,1-Diclethane	3.537	63	250674	54.58	ug/L		94
28) Vinyl Acetate	3.629	86	30303	56.15	ug/L		100
29) DIPE	3.666	45	423677	49.80	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.666	53	202847	57.50	ug/L		100
31) ETBE	4.196	59	409164	51.37	ug/L		96
32) 2,2-Dichloropropane	4.373	77	164713	46.37	ug/L		97
33) cis-1,2-Dichloroethene	4.379	96	151705	53.03	ug/L		95
34) 2-Butanone	4.428	43	86802	46.39	ug/L		98
35) Propionitrile	4.513	54	134970	242.67	ug/L		90
36) Bromochloromethane	4.775	130	97190	52.58	ug/L		90
37) Methacrylonitrile	4.787	67	69437	49.53	ug/L		92
38) Tetrahydrofuran	4.867	42	50585	43.46	ug/L		98
39) Chloroform	4.964	83	247638	53.43	ug/L		98
40) 1,1,1-Trichloroethane	5.257	97	192014	52.46	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9069.D
Acq On : 25 Sep 2021 12:54 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 18:17:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	130028	51.81	ug/L		89
44) Carbontetrachloride	5.543	117	150839	51.58	ug/L		95
45) 1,1-Dichloropropene	5.555	75	174848	56.07	ug/L		95
47) Benzene	5.872	78	547843	55.89	ug/L		95
48) 1,2-Dichloroethane	5.909	62	207476	54.52	ug/L		97
49) Iso-Butyl Alcohol	5.891	43	142040	840.62	ug/L		98
50) TAME	6.110	73	370562	48.80	ug/L		99
51) n-Heptane	6.366	43	167402	60.04	ug/L		93
52) 1-Butanol	6.854	56	232083	2469.95	ug/L		100
53) Trichloroethene	6.823	130	137747	56.78	ug/L		96
54) Methylcyclohexane	7.061	55	180569	62.67	ug/L		94
55) 1,2-Diclpropane	7.104	63	139228	51.48	ug/L		99
56) Dibromomethane	7.250	93	94848	53.50	ug/L		97
57) 1,4-Dioxane	7.305	88	49820	1054.14	ug/L		78
58) Methyl Methacrylate	7.336	69	105702	47.92	ug/L		98
59) Bromodichloromethane	7.476	83	177502	55.91	ug/L		98
60) 2-Nitropropane	7.762	41	55249	69.07	ug/L		99
61) 2-Chloroethylvinyl Ether	7.884	63	87437	49.31	ug/L		98
62) cis-1,3-Dichloropropene	8.018	75	195785	49.90	ug/L		96
63) 4-Methyl-2-pentanone	8.226	43	158999	47.34	ug/L		85
65) Toluene	8.390	91	597872	56.66	ug/L		97
66) trans-1,3-Dichloropropene	8.665	75	166265	47.03	ug/L		95
67) Ethyl Methacrylate	8.805	69	186716	50.00	ug/L		94
68) 1,1,2-Trichloroethane	8.847	97	129915	53.69	ug/L		96
71) Tetrachloroethene	8.988	164	104741	57.10	ug/L		98
72) 2-Hexanone	9.140	43	118303	47.16	ug/L		93
73) 1,3-Dichloropropane	9.018	76	217598	50.24	ug/L		96
74) Dibromochloromethane	9.244	129	129322	54.04	ug/L		99
75) N-Butyl Acetate	9.299	43	234597	44.25	ug/L		94
76) 1,2-Dibromoethane	9.341	107	136230	53.47	ug/L		99
77) 3-Chlorobenzotrifluoride	9.853	180	212005	62.94	ug/L		95
78) Chlorobenzene	9.835	112	380123	54.94	ug/L		97
79) 4-Chlorobenzotrifluoride	9.914	180	187220	62.02	ug/L		92
80) 1,1,1,2-Tetrachloroethane	9.926	131	118241	50.60	ug/L		91
81) Ethylbenzene	9.957	106	200560	54.82	ug/L	#	84
82) (m+p)Xylene	10.073	106	530403	121.86	ug/L		94
83) o-Xylene	10.426	106	255273	57.70	ug/L		93
84) Styrene	10.439	104	438606	56.00	ug/L		95
85) Bromoform	10.591	173	81989	51.19	ug/L		94
86) 2-Chlorobenzotrifluoride	10.670	180	206221	61.44	ug/L		96
87) Isopropylbenzene	10.762	105	625367	59.85	ug/L		100
88) Cyclohexanone	10.823	55	384157	737.55	ug/L		92
89) trans-1,4-Dichloro-2-B...	11.073	53	44616	50.28	ug/L		85
91) 1,1,2,2-Tetrachloroethane	11.024	83	203910	45.76	ug/L		96
92) Bromobenzene	11.006	156	174855	50.28	ug/L		92
93) 1,2,3-Trichloropropane	11.048	110	61054	43.29	ug/L		91
94) n-Propylbenzene	11.115	91	801210	51.67	ug/L		98
95) 2-Chlorotoluene	11.182	91	490052	50.27	ug/L		96
96) 3-Chlorotoluene	11.231	91	520560	53.96	ug/L		96
97) 4-Chlorotoluene	11.274	91	565187	52.19	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	608663	53.73	ug/L		99
99) tert-Butylbenzene	11.542	119	502671	53.03	ug/L		96
100) 1,2,4-Trimethylbenzene	11.579	105	598291	52.92	ug/L		96
101) 3,4-Dichlorobenzotrifl...	11.640	214	180505	58.21	ug/L		91
102) sec-Butylbenzene	11.725	105	738642	54.71	ug/L		98
103) p-Isopropyltoluene	11.847	119	665885	58.07	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9069.D
Acq On : 25 Sep 2021 12:54 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 18:17:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
Response via : Initial Calibration

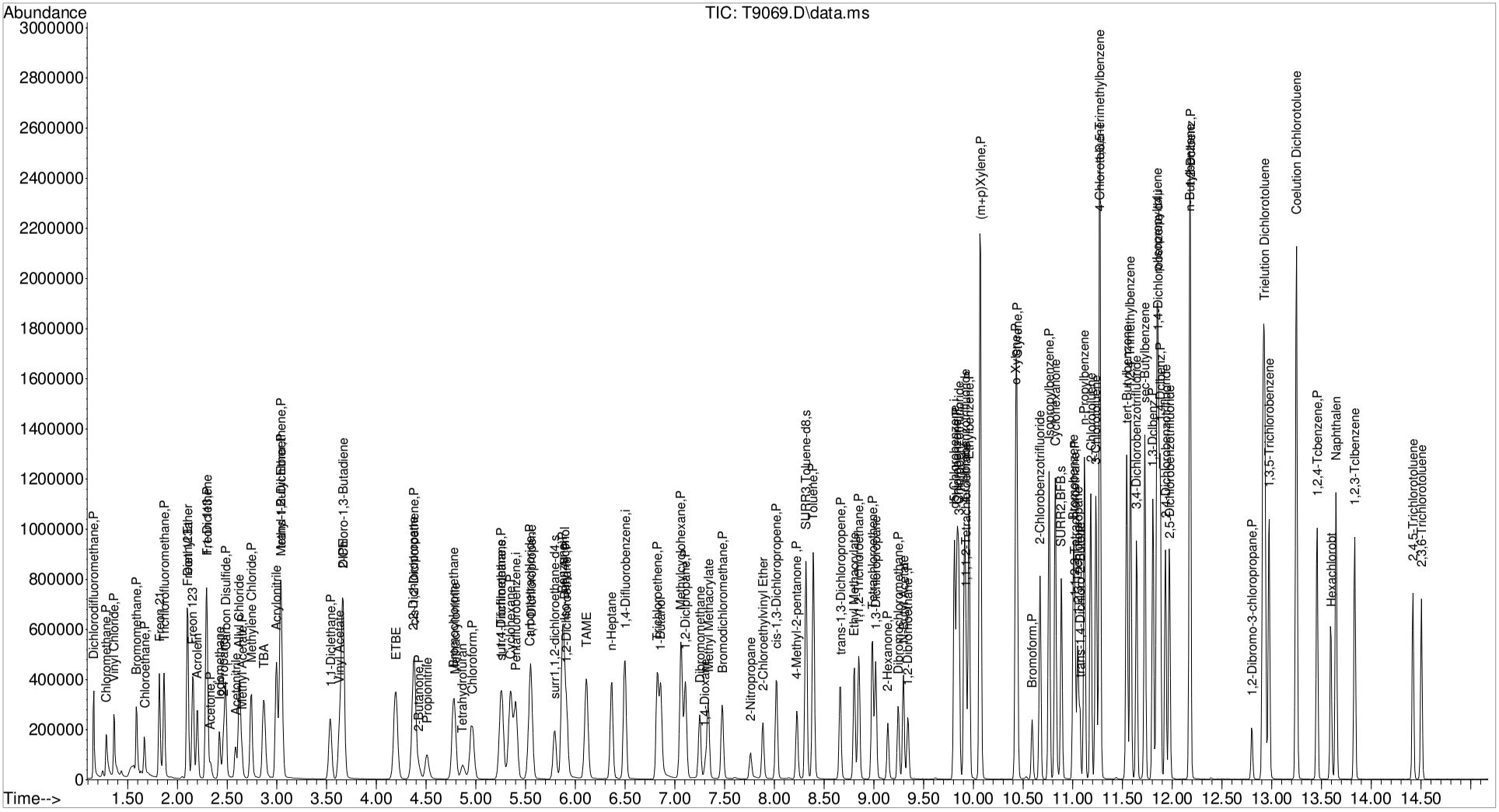
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	348033	52.58	ug/L	95
105) 1,4-Dclbenz	11.877	146	371366	50.84	ug/L	92
106) 2,4-Dichlorobenzotrifl...	11.932	214	172778	63.06	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.975	214	185695	59.32	ug/L	94
108) n-Butylbenzene	12.176	91	608274	55.58	ug/L	94
109) 1,2-Dclbenz	12.182	146	353679	53.07	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	38623	47.42	ug/L	97
111) Trielution Dichlorotol...	12.926	125	904958	176.13	ug/L	96
112) 1,3,5-Trichlorobenzene	12.975	180	248714	56.63	ug/L	99
113) Coelution Dichlorotoluene	13.249	125	668526	118.01	ug/L	96
114) 1,2,4-Tcbenzene	13.456	180	224792	55.88	ug/L	93
115) Hexachlorobt	13.597	225	79282	57.26	ug/L	95
116) Naphthalen	13.645	128	665410	53.52	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	216206	51.62	ug/L	99
118) 2,4,5-Trichlorotoluene	14.420	159	153342	61.76	ug/L	97
119) 2,3,6-Trichlorotoluene	14.505	159	125995	55.62	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9069.D
Acq On : 25 Sep 2021 12:54 pm
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 18:17:26 2021
Quant Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Sep 08 09:35:19 2021
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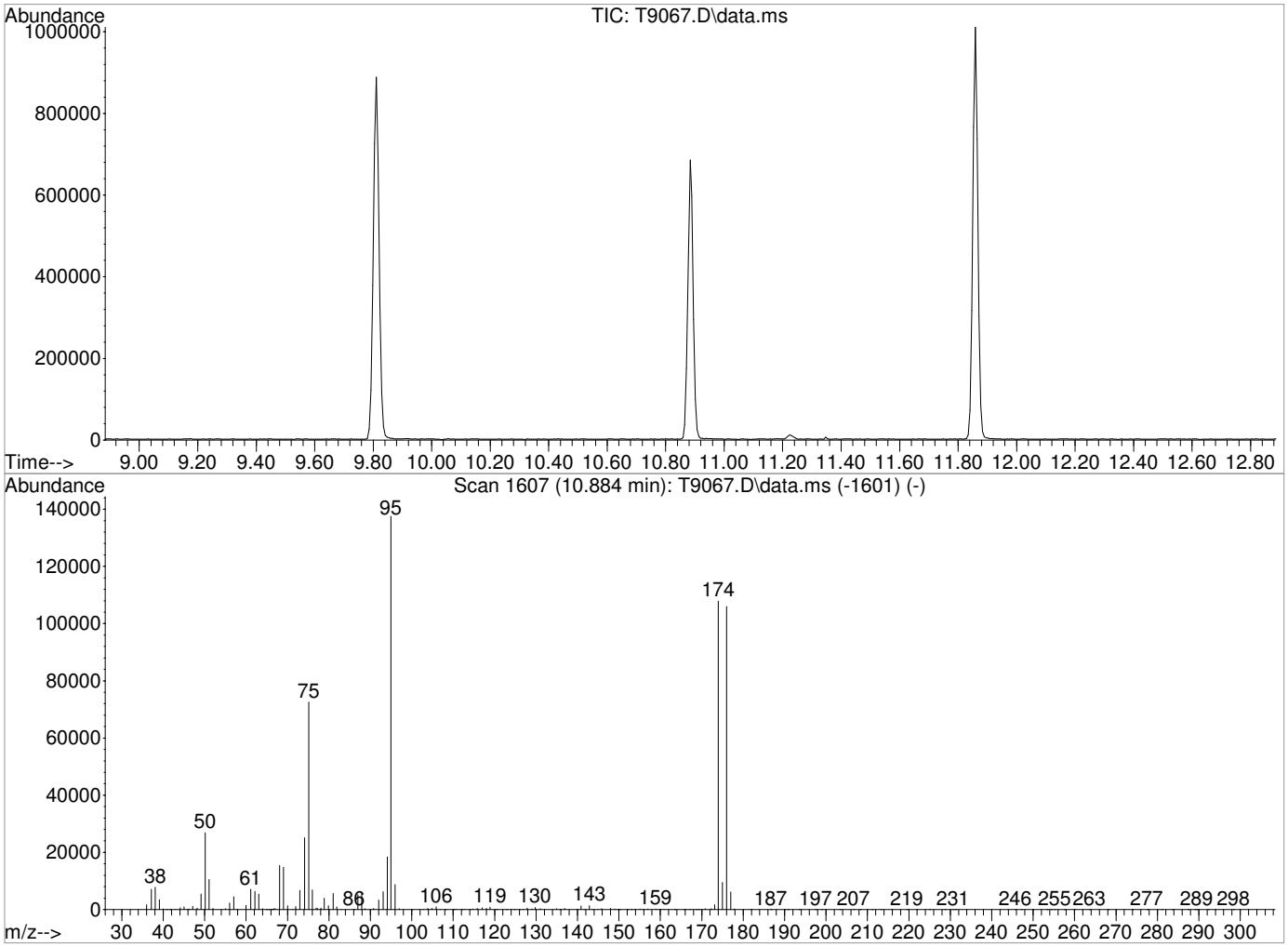
1st FJ 09/26/21
2nd 09/27/21

1st FJ 09/25/21
2nd 09/27/21

Data Path : I:\ACQUDATA\msvoa10\data\092521\
Data File : T9067.D
Acq On : 25 Sep 2021 11:48 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W090221.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Sep 08 09:35:19 2021



Spectrum Information: Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	26915	PASS
75	95	30	60	52.8	72568	PASS
95	95	100	100	100.0	137518	PASS
96	95	5	9	6.4	8796	PASS
173	174	0.00	2	1.5	1663	PASS
174	95	50	120	78.4	107816	PASS
175	174	5	9	8.8	9440	PASS
176	174	95	101	98.3	105944	PASS
177	176	5	9	5.8	6143	PASS

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2100120-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8720.D	09/02/2021 11:07
02	RC2100120-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8721.D	09/02/2021 11:28
03	RC2100120-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8722.D	09/02/2021 11:50
04	RC2100120-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8723.D	09/02/2021 12:12
05	RC2100120-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8724.D	09/02/2021 12:34
06	RC2100120-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8725.D	09/02/2021 12:56
07	RC2100120-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8726.D	09/02/2021 13:18
08	RC2100120-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8727.D	09/02/2021 13:39
09	RC2100120-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\090221\T8728.D	09/02/2021 14:01

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6624	02	1.000	0.6055	03	2.000	0.661	04	5.000	0.6752
05	20.000	0.6793	06	50.000	0.5797	07	100.000	0.6291	08	150.000	0.6791
09	200.000	0.7606									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8021	02	1.000	0.7631	03	2.000	0.7483	04	5.000	0.9268
05	20.000	0.882	06	50.000	0.7719	07	100.000	0.8028	08	150.000	0.836
09	200.000	0.9098									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4283	02	1.000	0.4103	03	2.000	0.4014	04	5.000	0.4465
05	20.000	0.4339	06	50.000	0.3419	07	100.000	0.3705	08	150.000	0.3975
09	200.000	0.4517									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3993	05	20.000	0.3346	06	50.000	0.4137	07	100.000	0.4678
08	200.000	0.4777									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.2869	05	20.000	0.2494	06	50.000	0.2869	07	100.000	0.2863
08	200.000	0.2863									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2079	02	1.000	0.2423	03	2.000	0.237	04	5.000	0.2599
05	20.000	0.2349	06	50.000	0.1908	07	100.000	0.2026	08	150.000	0.2214
09	200.000	0.2485									

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.221	05	20.000	0.9852	06	50.000	1.151	07	100.000	1.162
08	200.000	1.12									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2628	02	1.000	0.275	03	2.000	0.2968	04	5.000	0.3201
05	20.000	0.3099	06	50.000	0.2649	07	100.000	0.2731	08	150.000	0.2971
09	200.000	0.3166									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5577	02	1.000	0.7592	03	2.000	0.5544	04	5.000	0.7043
05	20.000	0.6818	06	50.000	0.5782	07	100.000	0.5935	08	150.000	0.6444
09	200.000	0.6493									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5725	02	1.000	0.4886	03	2.000	0.4965	04	5.000	0.5435
05	20.000	0.5219	06	50.000	0.4619	07	100.000	0.4915	08	150.000	0.5018
09	200.000	0.5584									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4101	02	1.000	0.5067	03	2.000	0.4484	04	5.000	0.4393
05	20.000	0.4562	06	50.000	0.4006	07	100.000	0.4284	08	150.000	0.461
09	200.000	0.5103									

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

		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	7.9	≤20	0.6591	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.9	≤20	0.827	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	8.8	≤20	0.4091	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	13.8	≤20	0.4186	
Dibromofluoromethane	SURR	Average RF	% RSD	6.0	≤20	0.2792	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.1	≤20	0.2272	0.200
Toluene-d8	SURR	Average RF	% RSD	7.8	≤20	1.128	
Trichloroethene (TCE)	TRG	Average RF	% RSD	7.7	≤20	0.2907	0.200
Vinyl Chloride	TRG	Average RF	% RSD	11.1	≤20	0.6359	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	7.1	≤20	0.5152	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	8.4	≤20	0.4512	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2109635
Project: Dover - Kirkwood **Calibration Date:** 9/2/2021

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2100120 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2100120-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\090221\T8732.D	09/02/2021 15:28

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.6	6.591E-1	5.747E-1	-12.812	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.6	8.27E-1	7.536E-1	-8.874	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	41.4	4.091E-1	3.388E-1	-17.177	±30	Average RF
Tetrachloroethene (PCE)	50.0	44.6	2.272E-1	2.025E-1	-10.886	±30	Average RF
Trichloroethene (TCE)	50.0	45.1	2.907E-1	2.621E-1	-9.827	±30	Average RF
Vinyl Chloride	50.0	49.9	6.359E-1	6.342E-1	-0.269	±30	Average RF
cis-1,2-Dichloroethene	50.0	45.2	5.152E-1	4.655E-1	-9.635	±30	Average RF
trans-1,2-Dichloroethene	50.0	43.3	4.512E-1	3.904E-1	-13.476	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.4	4.186E-1	4.304E-1	2.80	±30	Average RF
Dibromofluoromethane	50.0	51.4	2.792E-1	2.869E-1	2.77	±30	Average RF
Toluene-d8	50.0	51.2	1.128E0	1.155E0	2.39	±30	Average RF

Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood/5101.0002

Service Request: R2109635
Date Analyzed: 09/25/21 12:54

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\092521\T9069.D\
Signal ID: 1

Calibration Date: 9/2/2021
Calibration ID: RC2100120
Analysis Lot: 740096
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	52.5	0.6591	0.6915	4.9	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	54.6	0.827	0.9028	9.2	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	55.0	0.4091	0.4499	10.0	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	57.1	0.2272	0.2595	14.2	NA	±20	Average RF
Trichloroethene (TCE)	50.0	56.8	0.2907	0.3301	13.6	NA	±20	Average RF
Vinyl Chloride	50.0	51.9	0.6359	0.6601	3.8	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	53.0	0.5152	0.5464	6.1	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	56.6	0.4512	0.5105	13.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	57.7	0.4186	0.4829	15.3	NA	±20	Average RF
Dibromofluoromethane	50.0	57.1	0.2792	0.3189	14.2	NA	±20	Average RF
Toluene-d8	50.0	54.9	1.128	1.2379	9.7	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2109635
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**740096
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092521\T9067.D\	ZZZZZZZ	ZZZZZZZ	9/25/2021	11:48:00	
I:\ACQUDATA\msvoa10\data\092521\T9069.D\	Continuing Calibration Verification	RQ2111946-02	9/25/2021	12:54:00	
I:\ACQUDATA\msvoa10\data\092521\T9070.D\	Lab Control Sample	RQ2111946-03	9/25/2021	13:16:00	
I:\ACQUDATA\msvoa10\data\092521\T9073.D\	Method Blank	RQ2111946-04	9/25/2021	14:22:00	
I:\ACQUDATA\msvoa10\data\092521\T9074.D\	Trip Blank-091621	R2109635-008	9/25/2021	14:44:00	
I:\ACQUDATA\msvoa10\data\092521\T9075.D\	FB-091621	R2109635-006	9/25/2021	15:05:00	
I:\ACQUDATA\msvoa10\data\092521\T9076.D\	FB-091721	R2109635-022	9/25/2021	15:27:00	
I:\ACQUDATA\msvoa10\data\092521\T9077.D\	MW-13-091621	R2109635-003	9/25/2021	15:49:00	
I:\ACQUDATA\msvoa10\data\092521\T9078.D\	MW-26-091621	R2109635-004	9/25/2021	16:11:00	
I:\ACQUDATA\msvoa10\data\092521\T9079.D\	MW-22-091621	R2109635-005	9/25/2021	16:33:00	
I:\ACQUDATA\msvoa10\data\092521\T9080.D\	MW-17-091621	R2109635-011	9/25/2021	16:55:00	
I:\ACQUDATA\msvoa10\data\092521\T9081.D\	MW-2-091621	R2109635-014	9/25/2021	17:16:00	
I:\ACQUDATA\msvoa10\data\092521\T9082.D\	MP-6D-091621	R2109635-015	9/25/2021	17:38:00	
I:\ACQUDATA\msvoa10\data\092521\T9083.D\	MW-31-091621	R2109635-016	9/25/2021	18:00:00	
I:\ACQUDATA\msvoa10\data\092521\T9084.D\	MP-8S-091621	R2109635-017	9/25/2021	18:22:00	
I:\ACQUDATA\msvoa10\data\092521\T9085.D\	MP-8D-091721	R2109635-021	9/25/2021	18:44:00	
I:\ACQUDATA\msvoa10\data\092521\T9086.D\	MW-27-091521	R2109635-023	9/25/2021	19:06:00	
I:\ACQUDATA\msvoa10\data\092521\T9087.D\	MP-3D-091721	R2109635-024	9/25/2021	19:27:00	
I:\ACQUDATA\msvoa10\data\092521\T9088.D\	MW-38-091621	R2109635-013	9/25/2021	19:49:00	
I:\ACQUDATA\msvoa10\data\092521\T9089.D\	MW-13-091621 MS	RQ2111946-05	9/25/2021	20:11:00	
I:\ACQUDATA\msvoa10\data\092521\T9090.D\	MW-13-091621 DMS	RQ2111946-06	9/25/2021	20:33:00	

Analysis: 8260 | Analyst: F. Nagler | pH strips: 205521 | Tune Method: W090221.M

Date: 9/25/21 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS10 | 50 mL Class A used for dilution FV | Syringes: 177417 | 218709 | LIMS Run#: 740096

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	TUNE							T9066	(N)	
1	↓							67	Y	
1	CCV							68	(N)	
1	CCV							69	Y	
2	LCS-FP							70	Y	
3	BLK							71	(N)	
4	MBLK-VNP							72	Y	
5	MBLK-FP							73	Y	
6	R2109635-008	1.0		6646	4	1	<2	74	Y	
7	-006	1.0				1	<2	75	Y	
8	-022	1.0				1	<2	76	Y	
9	-003	1.0				1	<2	77	Y	
10	-004	1.0				1	<2	78	Y	
11	-005	1.0				1	<2	79	Y	
12	-011	1.0				1	<2	80	Y	
13	-014	1.0				1	<2	81	Y	
14	-015	1.0				1	<2	82	Y	
15	-016	1.0				1	<2	83	Y	
16	-017	1.0				1	<2	84	Y	
17	-021	1.0				1	<2	85	Y	
18	-023	1.0				1	<2	86	Y	
19	-024	1.0				1	<2	87	Y	
20	-013	1.0				1	<2	88	Y	
21	-003 MS	1.0				2	<2	89	Y	
22	-003 MSD	1.0		↓	↓	3	<2	90	Y	
23	BLK							91	Y	
24	↓							92	Y	
25								93	Y	
			FV 9/25/21							

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

Surrogate 50 : 219023

Internal Std 50 : 219024

Reagents: —

T/G Primary 500 : 219349 – 5mL/5mL

HSL Primary : 219385 –

Fr Primary : 219026 –

OCC Primary : 218147 – (CCV)

Primary :

Fr Secondary 200 : 219105 – 5mL

T/G Secondary 500 : 219170 – 2.5

HSL Secondary : 219368 – 5mL (LCS)

OCC Secondary : 218150 – ~12.5 – 5 5mL (Spk)

Secondary :

Appendix D

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 1/18/2021

Personnel: CF & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 2/8/2021

Personnel: CF & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 3/8/2021

Personnel: CF & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 4/19/2021

Personnel: CP+CF

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST
Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 5/19/2021

Personnel: CJP & THO

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST
Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 6/21/2021

Personnel: CF & DA

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 7/23/2021

Personnel: CF & MKS

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST
Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 8/16/2021

Personnel: CF & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST
Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 9/28/2021

Personnel: CF & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 10/25/2021

Personnel: CF & MKS

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST
Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 11/15/2021

Personnel: MKS, CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 12/13/2021

Personnel: MKS & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
2	1984 Building Addition floor slab in good condition?	--	--		Slab Covered Over Can't Access
3	Area 1 (front employee entrance) landscape cover intact?	X			
4	Area 2 (driveway at north catch basin CB-2044) asphalt surface in good condition?	X			
5	Area 3 (transformer pad location) vegetative cover intact?	X			
6	Area 4 (drainage ditch along CR 181) in good condition?	X			
7	Area 5 (drainage ditch along CR 181) in good condition?	X			
8	Area 6 (drainage ditch along CR 181) in good condition?	X			
9	Area 7 (parking lot at southeast loading dock) asphalt surface in good condition?	X			
10	ASD system operational?	X			
11	ASD system vacuum readings normal?	X			
12	ASD system components in good condition?	X			

Appendix E

VERINA Consulting Group, LLC

ACTIVE SUB-SLAB DEPRESSURIZATION (ASD) INSPECTION LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date	Time	System On? (Y/N)	Vaccum Reading (inches water)								Comments
			ASD-1	ASD-2	ASD-3	ASD-4	ASD-5	ASD-6	ASD-7	ASD-8	
1/18/2021	13:56	Y	1.25	0.68	0.68	1.13	0.75	--	2.75	4.50	ASD-6 was Unaccessable (walled off)
2/8/2021	13:30	Y	1.00	0.63	0.75	0.75	0.63	--	2.75	4.50	ASD-6 was Unaccessable (walled off)
3/8/2021	13:20	Y	1.13	1.00	0.88	0.63	0.63	--	2.75	4.63	ASD-6 was Unaccessable (walled off)
4/19/2021	13:30	Y	1.05	1.10	0.65	0.70	0.80	--	2.75	4.50	ASD-6 was Unaccessable (walled off)
5/17/2021	14:30	Y	1.10	1.05	0.75	0.80	0.85	--	2.75	4.40	ASD-6 was Unaccessable (walled off)
6/21/2021	12:52	Y	1.12	1.00	1.12	1.00	1.00	--	2.63	4.00	ASD-6 was Unaccessable (walled off)
7/19/2021	13:54	Y	1.25	1.13	1.13	1.31	1.18	--	2.75	4.25	ASD-6 was Unaccessable (walled off)
8/16/2021	13:45	Y	1.25	1.13	1.25	1.13	1.00	--	2.75	4.13	ASD-6 was Unaccessable (walled off)
9/28/2021	14:20	Y	1.25	1.13	1.25	1.13	1.00	--	2.75	4.25	ASD-6 was Unaccessable (walled off)
10/25/2021	13:45	Y	1.25	1.13	1.25	1.25	1.13	--	2.75	4.13	ASD-6 was Unaccessable (walled off)
11/15/2021	12:34	Y	1.25	1.13	1.00	1.00	0.88	--	2.63	4.38	ASD-6 was Unaccessable (walled off)
12/13/2021	13:30	Y	1.25	1.88	1.00	1.13	0.88	--	2.63	4.25	ASD-6 was Unaccessable (walled off)

Appendix F

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

LABORATORY REPORT

March 19, 2021

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

RE: Dover-Kirkwood / 5101.0002

Dear Sarah:

Enclosed are the results of the samples submitted to our laboratory on March 10, 2021. For your reference, these analyses have been assigned our service request number P2101235.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Hayden Akers at 4:31 pm, Mar 24, 2021

Hayden Akers
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: Verina Consulting Group, LLC
Project: Dover-Kirkwood / 5101.0002

Service Request No: P2101235
NJ Certification ID: CA009

CASE NARRATIVE

The samples were received intact under chain of custody on March 10, 2021 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. The method was modified to include the use of nitrogen as a diluent gas in place of zero-grade air for container pressurization. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The upper control criterion was exceeded for bromoform and naphthalene in the Continuing Calibration Verification (CCV) analyzed on March 16, 2021. Therefore, a potential for a high bias exists for those associated sample concentrations reported with positive results. The data has been qualified accordingly.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.3 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-008
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Verina Consulting Group, LLC
Service Request: P2101235
Project ID: Dover-Kirkwood / 5101.0002

Date Received: 3/10/2021
Time Received: 09:30

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-15 - VOC Cans
Office Area #1	P2101235-001	Air	3/9/2021	12:13	AS01473	-13.90	3.80	X
A/C Area	P2101235-002	Air	3/9/2021	12:18	AS01375	-2.24	3.62	X
Office Area #2	P2101235-003	Air	3/9/2021	15:57	AS01110	-0.84	3.88	X
Background	P2101235-004	Air	3/9/2021	16:17	AC02261	-0.51	3.52	X
Electrical Area	P2101235-005	Air	3/9/2021	16:50	AC02380	-2.17	3.89	X
Cafeteria	P2101235-006	Air	3/9/2021	16:51	AS00702	-2.19	3.84	X
Hallway	P2101235-007	Air	3/9/2021	16:53	AS01198	-2.31	3.27	X
Computer Services	P2101235-008	Air	3/9/2021	16:55	AC01844	-2.52	3.50	X

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. R2101235

Company Name & Address (Reporting Information)	Verina Consulting Group, LLC 1011 US Highway 22 Bridgewater, NJ 08807 Suite 302
Project Manager	Sarah MacCarter
Phone	908-864-4400
Fax	908-864-4401
Email Address for Result Reporting	Smaccarter@vcg-llc.com
Project Name	Dover-Kirkwood
Project Number	5101.0002
P.O. # / Billing Information	
Sampler (Print & Sign)	Verina
ALS Contact:	

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Analysis Method: TO-15		Comments e.g. Actual Preservative or specific instructions
Office Area #1	1	3/9/21	12:13	AS01473	EFC00043	-28.75	0	6L	X		
A/C Area	2	3/9/21	12:18	AS01375	FC100403	-30.0	-4.5	6L	X		
Office Area #2	3	3/9/21	15:57	AS01110	EFC00061	-29.25	-2.75	6L	X		
Background	4	3/9/21	16:17	AC02261	EFC00062	-28.75	-4.25	6L	X		
Electrical Area	5	3/9/21	16:50	AC02380	FCA01037	-28.25	-5.0	6L	X		
Cafeteria	6	3/9/21	16:51	AS00702	FCA01102	-28.0	-4.75	6L	X		
Hallway	7	3/9/21	16:53	AS01198	FCR00096	-27.0	-4.75	6L	X		
Computer Services		3/9/21	16:55	AC01844	FCR00421	-28.0	-4.25	6L	X		

5 of 42

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____ Tier III (Results + QC & Calibration Summaries) ✓
Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) 10% Surcharge ____

EDD required (Yes) / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs) QAPP)

Relinquished by: (Signature)		Date: 3/9/21	Time: 1800	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)	Date: 3-10-21	Time: 0730

Cooler / Blank Temperature ____°C

ALS Environmental
Sample Acceptance Check Form

Client: Verina Consulting Group, LLC Work order: P2101235

Project: Dover-Kirkwood / 5101.0002

Sample(s) received on: 3/10/2021 Date opened: 3/10/2021 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2101235-001.01	6.0 L Silonite Can					
P2101235-002.01	6.0 L Silonite Can					
P2101235-003.01	6.0 L Silonite Can					
P2101235-004.01	6.0 L Ambient Can					
P2101235-005.01	6.0 L Ambient Can					
P2101235-006.01	6.0 L Silonite Can					
P2101235-007.01	6.0 L Silonite Can					
P2101235-008.01	6.0 L Ambient Can					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area #1** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-001

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01473

Initial Pressure (psig): -13.90 Final Pressure (psig): 3.80

Canister Dilution Factor: 23.13

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	12	ND	2.4	
74-87-3	Chloromethane	ND	12	ND	5.8	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	12	ND	1.7	
75-01-4	Vinyl Chloride	ND	12	ND	4.8	
106-99-0	1,3-Butadiene	ND	12	ND	5.4	
74-83-9	Bromomethane	ND	12	ND	3.1	
75-00-3	Chloroethane	ND	12	ND	4.6	
64-17-5	Ethanol	**370**	120	**190**	65	
75-05-8	Acetonitrile	ND	12	ND	7.3	
107-02-8	Acrolein	ND	25	ND	11	
67-64-1	Acetone	ND	120	ND	51	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	12	ND	2.1	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	23	ND	9.4	
107-13-1	Acrylonitrile	ND	23	ND	11	
75-35-4	1,1-Dichloroethene	ND	12	ND	3.0	
75-09-2	Methylene Chloride	ND	12	ND	3.5	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	12	ND	3.8	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	12	ND	1.6	
75-15-0	Carbon Disulfide	ND	23	ND	7.4	
156-60-5	trans-1,2-Dichloroethene	ND	12	ND	3.1	
75-34-3	1,1-Dichloroethane	ND	12	ND	3.1	
1634-04-4	Methyl tert-Butyl Ether	ND	12	ND	3.3	
108-05-4	Vinyl Acetate	ND	130	ND	36	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area #1** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-001

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01473

Initial Pressure (psig): -13.90 Final Pressure (psig): 3.80

Canister Dilution Factor: 23.13

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	23	ND	7.8	
156-59-2	cis-1,2-Dichloroethene	ND	12	ND	3.0	
110-54-3	n-Hexane	ND	12	ND	3.4	
67-66-3	Chloroform	ND	12	ND	2.5	
107-06-2	1,2-Dichloroethane	ND	12	ND	3.0	
71-55-6	1,1,1-Trichloroethane	ND	12	ND	2.2	
71-43-2	Benzene	ND	12	ND	3.8	
56-23-5	Carbon Tetrachloride	ND	2.5	ND	0.40	
78-87-5	1,2-Dichloropropane	ND	12	ND	2.6	
75-27-4	Bromodichloromethane	ND	12	ND	1.8	
79-01-6	Trichloroethene	**5.4**	2.5	**1.0**	0.47	
123-91-1	1,4-Dioxane	ND	12	ND	3.3	
10061-01-5	cis-1,3-Dichloropropene	ND	12	ND	2.7	
108-10-1	4-Methyl-2-pentanone	ND	23	ND	5.6	
10061-02-6	trans-1,3-Dichloropropene	ND	12	ND	2.6	
79-00-5	1,1,2-Trichloroethane	ND	12	ND	2.2	
108-88-3	Toluene	ND	12	ND	3.2	
591-78-6	2-Hexanone	ND	23	ND	5.6	
124-48-1	Dibromochloromethane	ND	12	ND	1.4	
106-93-4	1,2-Dibromoethane	ND	12	ND	1.6	
123-86-4	n-Butyl Acetate	ND	23	ND	4.9	
127-18-4	Tetrachloroethene	ND	12	ND	1.8	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area #1** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-001

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01473

Initial Pressure (psig): -13.90 Final Pressure (psig): 3.80

Canister Dilution Factor: 23.13

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	12	ND	2.6	
100-41-4	Ethylbenzene	ND	12	ND	2.8	
179601-23-1	m,p-Xylenes	ND	23	ND	5.3	
75-25-2	Bromoform	ND	12	ND	1.2	
100-42-5	Styrene	ND	12	ND	2.8	
95-47-6	o-Xylene	ND	12	ND	2.8	
111-84-2	n-Nonane	ND	12	ND	2.3	
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	ND	1.8	
98-82-8	Cumene	ND	12	ND	2.4	
80-56-8	alpha-Pinene	ND	12	ND	2.2	
622-96-8	4-Ethyltoluene	ND	12	ND	2.5	
108-67-8	1,3,5-Trimethylbenzene	ND	12	ND	2.5	
95-63-6	1,2,4-Trimethylbenzene	ND	12	ND	2.4	
100-44-7	Benzyl Chloride	ND	24	ND	4.7	
541-73-1	1,3-Dichlorobenzene	ND	12	ND	2.0	
106-46-7	1,4-Dichlorobenzene	ND	12	ND	2.0	
95-50-1	1,2-Dichlorobenzene	ND	12	ND	2.0	
5989-27-5	d-Limonene	ND	12	ND	2.2	
96-12-8	1,2-Dibromo-3-chloropropane	ND	23	ND	2.4	
120-82-1	1,2,4-Trichlorobenzene	ND	23	ND	3.1	
91-20-3	Naphthalene	ND	12	ND	2.3	
87-68-3	Hexachlorobutadiene	ND	12	ND	1.1	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **A/C Area** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-002

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01375

Initial Pressure (psig): -2.24 Final Pressure (psig): 3.62

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.7**	0.76	**0.75**	0.15	
74-87-3	Chloromethane	ND	0.76	ND	0.37	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.76	ND	0.11	
75-01-4	Vinyl Chloride	ND	0.78	ND	0.30	
106-99-0	1,3-Butadiene	ND	0.76	ND	0.35	
74-83-9	Bromomethane	ND	0.76	ND	0.20	
75-00-3	Chloroethane	ND	0.76	ND	0.29	
64-17-5	Ethanol	**380**	7.8	**200**	4.1	
75-05-8	Acetonitrile	ND	0.78	ND	0.46	
107-02-8	Acrolein	ND	1.6	ND	0.71	
67-64-1	Acetone	**12**	7.6	**5.2**	3.2	
75-69-4	Trichlorofluoromethane (CFC 11)	**8.4**	0.75	**1.5**	0.13	
67-63-0	2-Propanol (Isopropyl Alcohol)	**16**	1.5	**6.5**	0.60	
107-13-1	Acrylonitrile	ND	1.5	ND	0.68	
75-35-4	1,1-Dichloroethene	ND	0.76	ND	0.19	
75-09-2	Methylene Chloride	**1.7**	0.76	**0.50**	0.22	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.76	ND	0.24	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.78	ND	0.10	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.47	
156-60-5	trans-1,2-Dichloroethene	ND	0.78	ND	0.20	
75-34-3	1,1-Dichloroethane	ND	0.79	ND	0.20	
1634-04-4	Methyl tert-Butyl Ether	ND	0.76	ND	0.21	
108-05-4	Vinyl Acetate	ND	8.1	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **A/C Area** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-002

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01375

Initial Pressure (psig): -2.24 Final Pressure (psig): 3.62

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.50	
156-59-2	cis-1,2-Dichloroethene	ND	0.76	ND	0.19	
110-54-3	n-Hexane	ND	0.76	ND	0.22	
67-66-3	Chloroform	ND	0.78	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	0.76	ND	0.19	
71-55-6	1,1,1-Trichloroethane	ND	0.76	ND	0.14	
71-43-2	Benzene	ND	0.76	ND	0.24	
56-23-5	Carbon Tetrachloride	**0.47**	0.16	**0.075**	0.026	
78-87-5	1,2-Dichloropropane	ND	0.76	ND	0.17	
75-27-4	Bromodichloromethane	ND	0.76	ND	0.11	
79-01-6	Trichloroethene	**0.34**	0.16	**0.064**	0.030	
123-91-1	1,4-Dioxane	ND	0.76	ND	0.21	
10061-01-5	cis-1,3-Dichloropropene	ND	0.78	ND	0.17	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	0.75	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.76	ND	0.14	
108-88-3	Toluene	**1.9**	0.76	**0.51**	0.20	
591-78-6	2-Hexanone	ND	1.5	ND	0.36	
124-48-1	Dibromochloromethane	ND	0.76	ND	0.090	
106-93-4	1,2-Dibromoethane	ND	0.76	ND	0.10	
123-86-4	n-Butyl Acetate	ND	1.5	ND	0.31	
127-18-4	Tetrachloroethene	**2.3**	0.76	**0.35**	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **A/C Area** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-002

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01375

Initial Pressure (psig): -2.24 Final Pressure (psig): 3.62

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.76	ND	0.17	
100-41-4	Ethylbenzene	ND	0.76	ND	0.18	
179601-23-1	m,p-Xylenes	ND	1.5	ND	0.34	
75-25-2	Bromoform	ND	0.78	ND	0.075	
100-42-5	Styrene	ND	0.76	ND	0.18	
95-47-6	o-Xylene	ND	0.78	ND	0.18	
111-84-2	n-Nonane	ND	0.78	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.78	ND	0.11	
98-82-8	Cumene	ND	0.76	ND	0.16	
80-56-8	alpha-Pinene	**4.0**	0.78	**0.72**	0.14	
622-96-8	4-Ethyltoluene	ND	0.78	ND	0.16	
108-67-8	1,3,5-Trimethylbenzene	ND	0.78	ND	0.16	
95-63-6	1,2,4-Trimethylbenzene	ND	0.76	ND	0.16	
100-44-7	Benzyl Chloride	ND	1.5	ND	0.30	
541-73-1	1,3-Dichlorobenzene	ND	0.78	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.76	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.78	ND	0.13	
5989-27-5	d-Limonene	**16**	0.76	**2.8**	0.14	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	ND	0.15	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	ND	0.20	
91-20-3	Naphthalene	ND	0.76	ND	0.15	
87-68-3	Hexachlorobutadiene	ND	0.76	ND	0.072	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area #2** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-003

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01110

Initial Pressure (psig): -0.84 Final Pressure (psig): 3.88

Canister Dilution Factor: 1.34

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.3**	0.70	**0.67**	0.14	
74-87-3	Chloromethane	ND	0.70	ND	0.34	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.70	ND	0.10	
75-01-4	Vinyl Chloride	ND	0.71	ND	0.28	
106-99-0	1,3-Butadiene	ND	0.70	ND	0.32	
74-83-9	Bromomethane	ND	0.70	ND	0.18	
75-00-3	Chloroethane	ND	0.70	ND	0.26	
64-17-5	Ethanol	**670**	7.1	**360**	3.8	
75-05-8	Acetonitrile	ND	0.71	ND	0.42	
107-02-8	Acrolein	ND	1.5	ND	0.64	
67-64-1	Acetone	**13**	7.0	**5.3**	2.9	
75-69-4	Trichlorofluoromethane (CFC 11)	**13**	0.68	**2.3**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	**17**	1.3	**6.7**	0.55	
107-13-1	Acrylonitrile	ND	1.3	ND	0.62	
75-35-4	1,1-Dichloroethene	ND	0.70	ND	0.18	
75-09-2	Methylene Chloride	**0.82**	0.70	**0.24**	0.20	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.70	ND	0.22	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.71	ND	0.093	
75-15-0	Carbon Disulfide	ND	1.3	ND	0.43	
156-60-5	trans-1,2-Dichloroethene	ND	0.71	ND	0.18	
75-34-3	1,1-Dichloroethane	ND	0.72	ND	0.18	
1634-04-4	Methyl tert-Butyl Ether	ND	0.70	ND	0.19	
108-05-4	Vinyl Acetate	ND	7.4	ND	2.1	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area #2** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-003

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01110

Initial Pressure (psig): -0.84 Final Pressure (psig): 3.88

Canister Dilution Factor: 1.34

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.3	ND	0.45	
156-59-2	cis-1,2-Dichloroethene	ND	0.70	ND	0.18	
110-54-3	n-Hexane	ND	0.70	ND	0.20	
67-66-3	Chloroform	ND	0.71	ND	0.15	
107-06-2	1,2-Dichloroethane	ND	0.70	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.70	ND	0.13	
71-43-2	Benzene	ND	0.70	ND	0.22	
56-23-5	Carbon Tetrachloride	**0.48**	0.15	**0.077**	0.023	
78-87-5	1,2-Dichloropropane	ND	0.70	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.70	ND	0.10	
79-01-6	Trichloroethene	ND	0.15	ND	0.027	
123-91-1	1,4-Dioxane	ND	0.70	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	0.71	ND	0.16	
108-10-1	4-Methyl-2-pentanone	ND	1.3	ND	0.33	
10061-02-6	trans-1,3-Dichloropropene	ND	0.68	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.70	ND	0.13	
108-88-3	Toluene	**1.4**	0.70	**0.37**	0.18	
591-78-6	2-Hexanone	ND	1.3	ND	0.33	
124-48-1	Dibromochloromethane	ND	0.70	ND	0.082	
106-93-4	1,2-Dibromoethane	ND	0.70	ND	0.091	
123-86-4	n-Butyl Acetate	ND	1.3	ND	0.28	
127-18-4	Tetrachloroethene	**1.9**	0.70	**0.29**	0.10	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area #2** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-003

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01110

Initial Pressure (psig): -0.84 Final Pressure (psig): 3.88

Canister Dilution Factor: 1.34

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.70	ND	0.15	
100-41-4	Ethylbenzene	ND	0.70	ND	0.16	
179601-23-1	m,p-Xylenes	ND	1.3	ND	0.31	
75-25-2	Bromoform	ND	0.71	ND	0.069	
100-42-5	Styrene	ND	0.70	ND	0.16	
95-47-6	o-Xylene	ND	0.71	ND	0.16	
111-84-2	n-Nonane	ND	0.71	ND	0.14	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.71	ND	0.10	
98-82-8	Cumene	ND	0.70	ND	0.14	
80-56-8	alpha-Pinene	**3.9**	0.71	**0.70**	0.13	
622-96-8	4-Ethyltoluene	ND	0.71	ND	0.14	
108-67-8	1,3,5-Trimethylbenzene	ND	0.71	ND	0.14	
95-63-6	1,2,4-Trimethylbenzene	ND	0.70	ND	0.14	
100-44-7	Benzyl Chloride	ND	1.4	ND	0.27	
541-73-1	1,3-Dichlorobenzene	ND	0.71	ND	0.12	
106-46-7	1,4-Dichlorobenzene	ND	0.70	ND	0.12	
95-50-1	1,2-Dichlorobenzene	ND	0.71	ND	0.12	
5989-27-5	d-Limonene	**10**	0.70	**1.8**	0.13	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.3	ND	0.14	
120-82-1	1,2,4-Trichlorobenzene	ND	1.3	ND	0.18	
91-20-3	Naphthalene	ND	0.70	ND	0.13	
87-68-3	Hexachlorobutadiene	ND	0.70	ND	0.065	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Background** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-004

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02261

Initial Pressure (psig): -0.51 Final Pressure (psig): 3.52

Canister Dilution Factor: 1.28

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.5**	0.67	**0.50**	0.13	
74-87-3	Chloromethane	ND	0.67	ND	0.32	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.67	ND	0.095	
75-01-4	Vinyl Chloride	ND	0.68	ND	0.27	
106-99-0	1,3-Butadiene	ND	0.67	ND	0.30	
74-83-9	Bromomethane	ND	0.67	ND	0.17	
75-00-3	Chloroethane	ND	0.67	ND	0.25	
64-17-5	Ethanol	**9.8**	6.8	**5.2**	3.6	
75-05-8	Acetonitrile	ND	0.68	ND	0.40	
107-02-8	Acrolein	ND	1.4	ND	0.61	
67-64-1	Acetone	ND	6.7	ND	2.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.3**	0.65	**0.23**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.3	ND	0.52	
107-13-1	Acrylonitrile	ND	1.3	ND	0.59	
75-35-4	1,1-Dichloroethene	ND	0.67	ND	0.17	
75-09-2	Methylene Chloride	ND	0.67	ND	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.67	ND	0.21	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.68	ND	0.089	
75-15-0	Carbon Disulfide	ND	1.3	ND	0.41	
156-60-5	trans-1,2-Dichloroethene	ND	0.68	ND	0.17	
75-34-3	1,1-Dichloroethane	ND	0.69	ND	0.17	
1634-04-4	Methyl tert-Butyl Ether	ND	0.67	ND	0.18	
108-05-4	Vinyl Acetate	ND	7.0	ND	2.0	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Background** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-004

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02261

Initial Pressure (psig): -0.51 Final Pressure (psig): 3.52

Canister Dilution Factor: 1.28

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.3	ND	0.43	
156-59-2	cis-1,2-Dichloroethene	ND	0.67	ND	0.17	
110-54-3	n-Hexane	ND	0.67	ND	0.19	
67-66-3	Chloroform	ND	0.68	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.67	ND	0.16	
71-55-6	1,1,1-Trichloroethane	ND	0.67	ND	0.12	
71-43-2	Benzene	ND	0.67	ND	0.21	
56-23-5	Carbon Tetrachloride	**0.47**	0.14	**0.075**	0.022	
78-87-5	1,2-Dichloropropane	ND	0.67	ND	0.14	
75-27-4	Bromodichloromethane	ND	0.67	ND	0.099	
79-01-6	Trichloroethene	ND	0.14	ND	0.026	
123-91-1	1,4-Dioxane	ND	0.67	ND	0.18	
10061-01-5	cis-1,3-Dichloropropene	ND	0.68	ND	0.15	
108-10-1	4-Methyl-2-pentanone	ND	1.3	ND	0.31	
10061-02-6	trans-1,3-Dichloropropene	ND	0.65	ND	0.14	
79-00-5	1,1,2-Trichloroethane	ND	0.67	ND	0.12	
108-88-3	Toluene	**0.99**	0.67	**0.26**	0.18	
591-78-6	2-Hexanone	ND	1.3	ND	0.31	
124-48-1	Dibromochloromethane	ND	0.67	ND	0.078	
106-93-4	1,2-Dibromoethane	ND	0.67	ND	0.087	
123-86-4	n-Butyl Acetate	ND	1.3	ND	0.27	
127-18-4	Tetrachloroethene	ND	0.67	ND	0.098	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Background** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-004

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02261

Initial Pressure (psig): -0.51 Final Pressure (psig): 3.52

Canister Dilution Factor: 1.28

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.67	ND	0.14	
100-41-4	Ethylbenzene	ND	0.67	ND	0.15	
179601-23-1	m,p-Xylenes	ND	1.3	ND	0.29	
75-25-2	Bromoform	ND	0.68	ND	0.066	
100-42-5	Styrene	ND	0.67	ND	0.16	
95-47-6	o-Xylene	ND	0.68	ND	0.16	
111-84-2	n-Nonane	ND	0.68	ND	0.13	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.68	ND	0.099	
98-82-8	Cumene	ND	0.67	ND	0.14	
80-56-8	alpha-Pinene	ND	0.68	ND	0.12	
622-96-8	4-Ethyltoluene	ND	0.68	ND	0.14	
108-67-8	1,3,5-Trimethylbenzene	ND	0.68	ND	0.14	
95-63-6	1,2,4-Trimethylbenzene	ND	0.67	ND	0.14	
100-44-7	Benzyl Chloride	ND	1.3	ND	0.26	
541-73-1	1,3-Dichlorobenzene	ND	0.68	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.67	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.68	ND	0.11	
5989-27-5	d-Limonene	ND	0.67	ND	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.3	ND	0.13	
120-82-1	1,2,4-Trichlorobenzene	ND	1.3	ND	0.17	
91-20-3	Naphthalene	ND	0.67	ND	0.13	
87-68-3	Hexachlorobutadiene	ND	0.67	ND	0.062	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Electrical Area** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-005

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02380

Initial Pressure (psig): -2.17 Final Pressure (psig): 3.89

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**5.0**	0.77	**1.0**	0.16	
74-87-3	Chloromethane	ND	0.77	ND	0.37	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.77	ND	0.11	
75-01-4	Vinyl Chloride	ND	0.78	ND	0.31	
106-99-0	1,3-Butadiene	ND	0.77	ND	0.35	
74-83-9	Bromomethane	ND	0.77	ND	0.20	
75-00-3	Chloroethane	ND	0.77	ND	0.29	
64-17-5	Ethanol	**390**	7.8	**210**	4.2	
75-05-8	Acetonitrile	ND	0.78	ND	0.47	
107-02-8	Acrolein	ND	1.6	ND	0.71	
67-64-1	Acetone	**13**	7.7	**5.7**	3.2	
75-69-4	Trichlorofluoromethane (CFC 11)	**14**	0.75	**2.5**	0.13	
67-63-0	2-Propanol (Isopropyl Alcohol)	**19**	1.5	**7.7**	0.60	
107-13-1	Acrylonitrile	ND	1.5	ND	0.68	
75-35-4	1,1-Dichloroethene	ND	0.77	ND	0.19	
75-09-2	Methylene Chloride	**1.2**	0.77	**0.35**	0.22	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.77	ND	0.25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.78	ND	0.10	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.48	
156-60-5	trans-1,2-Dichloroethene	ND	0.78	ND	0.20	
75-34-3	1,1-Dichloroethane	ND	0.80	ND	0.20	
1634-04-4	Methyl tert-Butyl Ether	ND	0.77	ND	0.21	
108-05-4	Vinyl Acetate	ND	8.1	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Electrical Area** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-005

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02380

Initial Pressure (psig): -2.17 Final Pressure (psig): 3.89

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.50	
156-59-2	cis-1,2-Dichloroethene	ND	0.77	ND	0.19	
110-54-3	n-Hexane	ND	0.77	ND	0.22	
67-66-3	Chloroform	ND	0.78	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	0.77	ND	0.19	
71-55-6	1,1,1-Trichloroethane	ND	0.77	ND	0.14	
71-43-2	Benzene	ND	0.77	ND	0.24	
56-23-5	Carbon Tetrachloride	**0.46**	0.16	**0.072**	0.026	
78-87-5	1,2-Dichloropropane	ND	0.77	ND	0.17	
75-27-4	Bromodichloromethane	ND	0.77	ND	0.11	
79-01-6	Trichloroethene	**0.25**	0.16	**0.047**	0.030	
123-91-1	1,4-Dioxane	ND	0.77	ND	0.21	
10061-01-5	cis-1,3-Dichloropropene	ND	0.78	ND	0.17	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	0.75	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.77	ND	0.14	
108-88-3	Toluene	**2.8**	0.77	**0.74**	0.20	
591-78-6	2-Hexanone	ND	1.5	ND	0.36	
124-48-1	Dibromochloromethane	ND	0.77	ND	0.090	
106-93-4	1,2-Dibromoethane	ND	0.77	ND	0.10	
123-86-4	n-Butyl Acetate	ND	1.5	ND	0.31	
127-18-4	Tetrachloroethene	**2.8**	0.77	**0.41**	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Electrical Area** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-005

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02380

Initial Pressure (psig): -2.17 Final Pressure (psig): 3.89

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.77	ND	0.17	
100-41-4	Ethylbenzene	ND	0.77	ND	0.18	
179601-23-1	m,p-Xylenes	ND	1.5	ND	0.34	
75-25-2	Bromoform	ND	0.78	ND	0.076	
100-42-5	Styrene	ND	0.77	ND	0.18	
95-47-6	o-Xylene	ND	0.78	ND	0.18	
111-84-2	n-Nonane	ND	0.78	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.78	ND	0.11	
98-82-8	Cumene	ND	0.77	ND	0.16	
80-56-8	alpha-Pinene	**3.8**	0.78	**0.68**	0.14	
622-96-8	4-Ethyltoluene	ND	0.78	ND	0.16	
108-67-8	1,3,5-Trimethylbenzene	ND	0.78	ND	0.16	
95-63-6	1,2,4-Trimethylbenzene	ND	0.77	ND	0.16	
100-44-7	Benzyl Chloride	ND	1.6	ND	0.30	
541-73-1	1,3-Dichlorobenzene	ND	0.78	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.77	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.78	ND	0.13	
5989-27-5	d-Limonene	**12**	0.77	**2.2**	0.14	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	ND	0.15	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	ND	0.20	
91-20-3	Naphthalene	ND	0.77	ND	0.15	
87-68-3	Hexachlorobutadiene	ND	0.77	ND	0.072	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Cafeteria** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-006

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00702

Initial Pressure (psig): -2.19 Final Pressure (psig): 3.84

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.9**	0.77	**0.79**	0.16	
74-87-3	Chloromethane	ND	0.77	ND	0.37	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.77	ND	0.11	
75-01-4	Vinyl Chloride	ND	0.78	ND	0.31	
106-99-0	1,3-Butadiene	ND	0.77	ND	0.35	
74-83-9	Bromomethane	ND	0.77	ND	0.20	
75-00-3	Chloroethane	ND	0.77	ND	0.29	
64-17-5	Ethanol	**530**	7.8	**280**	4.2	
75-05-8	Acetonitrile	ND	0.78	ND	0.47	
107-02-8	Acrolein	ND	1.6	ND	0.71	
67-64-1	Acetone	**15**	7.7	**6.5**	3.2	
75-69-4	Trichlorofluoromethane (CFC 11)	**9.1**	0.75	**1.6**	0.13	
67-63-0	2-Propanol (Isopropyl Alcohol)	**24**	1.5	**9.8**	0.60	
107-13-1	Acrylonitrile	ND	1.5	ND	0.68	
75-35-4	1,1-Dichloroethene	ND	0.77	ND	0.19	
75-09-2	Methylene Chloride	**1.8**	0.77	**0.52**	0.22	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.77	ND	0.25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.78	ND	0.10	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.48	
156-60-5	trans-1,2-Dichloroethene	ND	0.78	ND	0.20	
75-34-3	1,1-Dichloroethane	ND	0.80	ND	0.20	
1634-04-4	Methyl tert-Butyl Ether	ND	0.77	ND	0.21	
108-05-4	Vinyl Acetate	ND	8.1	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Cafeteria** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-006

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00702

Initial Pressure (psig): -2.19 Final Pressure (psig): 3.84

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.50	
156-59-2	cis-1,2-Dichloroethene	ND	0.77	ND	0.19	
110-54-3	n-Hexane	ND	0.77	ND	0.22	
67-66-3	Chloroform	ND	0.78	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	0.77	ND	0.19	
71-55-6	1,1,1-Trichloroethane	ND	0.77	ND	0.14	
71-43-2	Benzene	ND	0.77	ND	0.24	
56-23-5	Carbon Tetrachloride	**0.45**	0.16	**0.072**	0.026	
78-87-5	1,2-Dichloropropane	ND	0.77	ND	0.17	
75-27-4	Bromodichloromethane	ND	0.77	ND	0.11	
79-01-6	Trichloroethene	**0.23**	0.16	**0.043**	0.030	
123-91-1	1,4-Dioxane	ND	0.77	ND	0.21	
10061-01-5	cis-1,3-Dichloropropene	ND	0.78	ND	0.17	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	0.75	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.77	ND	0.14	
108-88-3	Toluene	**2.5**	0.77	**0.66**	0.20	
591-78-6	2-Hexanone	ND	1.5	ND	0.36	
124-48-1	Dibromochloromethane	ND	0.77	ND	0.090	
106-93-4	1,2-Dibromoethane	ND	0.77	ND	0.10	
123-86-4	n-Butyl Acetate	ND	1.5	ND	0.31	
127-18-4	Tetrachloroethene	**2.5**	0.77	**0.36**	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Cafeteria** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-006

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00702

Initial Pressure (psig): -2.19 Final Pressure (psig): 3.84

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.77	ND	0.17	
100-41-4	Ethylbenzene	ND	0.77	ND	0.18	
179601-23-1	m,p-Xylenes	ND	1.5	ND	0.34	
75-25-2	Bromoform	ND	0.78	ND	0.076	
100-42-5	Styrene	ND	0.77	ND	0.18	
95-47-6	o-Xylene	ND	0.78	ND	0.18	
111-84-2	n-Nonane	ND	0.78	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.78	ND	0.11	
98-82-8	Cumene	ND	0.77	ND	0.16	
80-56-8	alpha-Pinene	**4.8**	0.78	**0.86**	0.14	
622-96-8	4-Ethyltoluene	ND	0.78	ND	0.16	
108-67-8	1,3,5-Trimethylbenzene	ND	0.78	ND	0.16	
95-63-6	1,2,4-Trimethylbenzene	ND	0.77	ND	0.16	
100-44-7	Benzyl Chloride	ND	1.6	ND	0.30	
541-73-1	1,3-Dichlorobenzene	ND	0.78	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.77	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.78	ND	0.13	
5989-27-5	d-Limonene	**21**	0.77	**3.7**	0.14	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	ND	0.15	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	ND	0.20	
91-20-3	Naphthalene	ND	0.77	ND	0.15	
87-68-3	Hexachlorobutadiene	ND	0.77	ND	0.072	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Hallway** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-007

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.10 Liter(s)
Container ID: AS01198

Initial Pressure (psig): -2.31 Final Pressure (psig): 3.27

Canister Dilution Factor: 1.45

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**6.4**	0.75	**1.3**	0.15	
74-87-3	Chloromethane	ND	0.75	ND	0.37	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.75	ND	0.11	
75-01-4	Vinyl Chloride	ND	0.77	ND	0.30	
106-99-0	1,3-Butadiene	ND	0.75	ND	0.34	
74-83-9	Bromomethane	ND	0.75	ND	0.19	
75-00-3	Chloroethane	ND	0.75	ND	0.29	
64-17-5	Ethanol	**1,500**	77	**780**	41	**D**
75-05-8	Acetonitrile	ND	0.77	ND	0.46	
107-02-8	Acrolein	ND	1.6	ND	0.70	
67-64-1	Acetone	**30**	7.5	**13**	3.2	
75-69-4	Trichlorofluoromethane (CFC 11)	**7.9**	0.74	**1.4**	0.13	
67-63-0	2-Propanol (Isopropyl Alcohol)	**87**	1.5	**35**	0.59	
107-13-1	Acrylonitrile	ND	1.5	ND	0.67	
75-35-4	1,1-Dichloroethene	ND	0.75	ND	0.19	
75-09-2	Methylene Chloride	**2.0**	0.75	**0.58**	0.22	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.75	ND	0.24	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.77	ND	0.10	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.47	
156-60-5	trans-1,2-Dichloroethene	ND	0.77	ND	0.19	
75-34-3	1,1-Dichloroethane	ND	0.78	ND	0.19	
1634-04-4	Methyl tert-Butyl Ether	ND	0.75	ND	0.21	
108-05-4	Vinyl Acetate	ND	8.0	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
D = The reported result is from a dilution.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Hallway** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-007

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.10 Liter(s)
Container ID: AS01198

Initial Pressure (psig): -2.31 Final Pressure (psig): 3.27

Canister Dilution Factor: 1.45

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.49	
156-59-2	cis-1,2-Dichloroethene	ND	0.75	ND	0.19	
110-54-3	n-Hexane	ND	0.75	ND	0.21	
67-66-3	Chloroform	ND	0.77	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	0.75	ND	0.19	
71-55-6	1,1,1-Trichloroethane	ND	0.75	ND	0.14	
71-43-2	Benzene	ND	0.75	ND	0.24	
56-23-5	Carbon Tetrachloride	**0.44**	0.16	**0.071**	0.025	
78-87-5	1,2-Dichloropropane	ND	0.75	ND	0.16	
75-27-4	Bromodichloromethane	ND	0.75	ND	0.11	
79-01-6	Trichloroethene	**0.33**	0.16	**0.061**	0.030	
123-91-1	1,4-Dioxane	ND	0.75	ND	0.21	
10061-01-5	cis-1,3-Dichloropropene	ND	0.77	ND	0.17	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.35	
10061-02-6	trans-1,3-Dichloropropene	ND	0.74	ND	0.16	
79-00-5	1,1,2-Trichloroethane	ND	0.75	ND	0.14	
108-88-3	Toluene	**1.6**	0.75	**0.44**	0.20	
591-78-6	2-Hexanone	ND	1.5	ND	0.35	
124-48-1	Dibromochloromethane	ND	0.75	ND	0.089	
106-93-4	1,2-Dibromoethane	ND	0.75	ND	0.098	
123-86-4	n-Butyl Acetate	ND	1.5	ND	0.31	
127-18-4	Tetrachloroethene	**5.1**	0.75	**0.76**	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Hallway** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-007

Test Code:	EPA TO-15	Date Collected:	3/9/21
Instrument ID:	Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13	Date Received:	3/10/21
Analyst:	Wida Ang	Date Analyzed:	3/17/21
Sample Type:	6.0 L Silonite Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	AS01198		

Initial Pressure (psig): -2.31 Final Pressure (psig): 3.27

Canister Dilution Factor: 1.45

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.75	ND	0.16	
100-41-4	Ethylbenzene	ND	0.75	ND	0.17	
179601-23-1	m,p-Xylenes	ND	1.5	ND	0.33	
75-25-2	Bromoform	ND	0.77	ND	0.074	
100-42-5	Styrene	ND	0.75	ND	0.18	
95-47-6	o-Xylene	ND	0.77	ND	0.18	
111-84-2	n-Nonane	ND	0.77	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.77	ND	0.11	
98-82-8	Cumene	ND	0.75	ND	0.15	
80-56-8	alpha-Pinene	**13**	0.77	**2.4**	0.14	
622-96-8	4-Ethyltoluene	ND	0.77	ND	0.16	
108-67-8	1,3,5-Trimethylbenzene	ND	0.77	ND	0.16	
95-63-6	1,2,4-Trimethylbenzene	ND	0.75	ND	0.15	
100-44-7	Benzyl Chloride	ND	1.5	ND	0.29	
541-73-1	1,3-Dichlorobenzene	ND	0.77	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.75	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.77	ND	0.13	
5989-27-5	d-Limonene	**110**	0.75	**19**	0.14	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	ND	0.15	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	ND	0.20	
91-20-3	Naphthalene	ND	0.75	ND	0.14	
87-68-3	Hexachlorobutadiene	ND	0.75	ND	0.071	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Computer Services** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-008

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.10 Liter(s)
Container ID: AC01844

Initial Pressure (psig): -2.52 Final Pressure (psig): 3.50

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.3**	0.77	**0.66**	0.16	
74-87-3	Chloromethane	ND	0.77	ND	0.38	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.77	ND	0.11	
75-01-4	Vinyl Chloride	ND	0.79	ND	0.31	
106-99-0	1,3-Butadiene	ND	0.77	ND	0.35	
74-83-9	Bromomethane	ND	0.77	ND	0.20	
75-00-3	Chloroethane	ND	0.77	ND	0.29	
64-17-5	Ethanol	**1,200**	79	**630**	42	**D**
75-05-8	Acetonitrile	ND	0.79	ND	0.47	
107-02-8	Acrolein	ND	1.6	ND	0.72	
67-64-1	Acetone	**17**	7.7	**7.1**	3.3	
75-69-4	Trichlorofluoromethane (CFC 11)	**12**	0.76	**2.2**	0.14	
67-63-0	2-Propanol (Isopropyl Alcohol)	**17**	1.5	**6.9**	0.61	
107-13-1	Acrylonitrile	ND	1.5	ND	0.69	
75-35-4	1,1-Dichloroethene	ND	0.77	ND	0.20	
75-09-2	Methylene Chloride	**0.97**	0.77	**0.28**	0.22	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.77	ND	0.25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.79	ND	0.10	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.48	
156-60-5	trans-1,2-Dichloroethene	ND	0.79	ND	0.20	
75-34-3	1,1-Dichloroethane	ND	0.80	ND	0.20	
1634-04-4	Methyl tert-Butyl Ether	ND	0.77	ND	0.21	
108-05-4	Vinyl Acetate	ND	8.2	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Computer Services** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-008

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.10 Liter(s)
Container ID: AC01844

Initial Pressure (psig): -2.52 Final Pressure (psig): 3.50

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.51	
156-59-2	cis-1,2-Dichloroethene	ND	0.77	ND	0.20	
110-54-3	n-Hexane	ND	0.77	ND	0.22	
67-66-3	Chloroform	ND	0.79	ND	0.16	
107-06-2	1,2-Dichloroethane	ND	0.77	ND	0.19	
71-55-6	1,1,1-Trichloroethane	ND	0.77	ND	0.14	
71-43-2	Benzene	ND	0.77	ND	0.24	
56-23-5	Carbon Tetrachloride	**0.46**	0.16	**0.073**	0.026	
78-87-5	1,2-Dichloropropane	ND	0.77	ND	0.17	
75-27-4	Bromodichloromethane	ND	0.77	ND	0.12	
79-01-6	Trichloroethene	**0.31**	0.16	**0.057**	0.031	
123-91-1	1,4-Dioxane	ND	0.77	ND	0.22	
10061-01-5	cis-1,3-Dichloropropene	ND	0.79	ND	0.17	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	0.76	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.77	ND	0.14	
108-88-3	Toluene	**1.0**	0.77	**0.27**	0.21	
591-78-6	2-Hexanone	ND	1.5	ND	0.36	
124-48-1	Dibromochloromethane	ND	0.77	ND	0.091	
106-93-4	1,2-Dibromoethane	ND	0.77	ND	0.10	
123-86-4	n-Butyl Acetate	ND	1.5	ND	0.31	
127-18-4	Tetrachloroethene	**2.4**	0.77	**0.35**	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Computer Services** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2101235-008

Test Code: EPA TO-15 Date Collected: 3/9/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/10/21
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.10 Liter(s)
Container ID: AC01844

Initial Pressure (psig): -2.52 Final Pressure (psig): 3.50

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.77	ND	0.17	
100-41-4	Ethylbenzene	ND	0.77	ND	0.18	
179601-23-1	m,p-Xylenes	ND	1.5	ND	0.34	
75-25-2	Bromoform	ND	0.79	ND	0.076	
100-42-5	Styrene	ND	0.77	ND	0.18	
95-47-6	o-Xylene	ND	0.79	ND	0.18	
111-84-2	n-Nonane	ND	0.79	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.79	ND	0.12	
98-82-8	Cumene	ND	0.77	ND	0.16	
80-56-8	alpha-Pinene	**7.2**	0.79	**1.3**	0.14	
622-96-8	4-Ethyltoluene	ND	0.79	ND	0.16	
108-67-8	1,3,5-Trimethylbenzene	ND	0.79	ND	0.16	
95-63-6	1,2,4-Trimethylbenzene	ND	0.77	ND	0.16	
100-44-7	Benzyl Chloride	ND	1.6	ND	0.30	
541-73-1	1,3-Dichlorobenzene	ND	0.79	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.77	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.79	ND	0.13	
5989-27-5	d-Limonene	**11**	0.77	**2.0**	0.14	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	ND	0.15	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	ND	0.20	
91-20-3	Naphthalene	ND	0.77	ND	0.15	
87-68-3	Hexachlorobutadiene	ND	0.77	ND	0.073	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Method Blank** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210317-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.52	ND	0.11	
74-87-3	Chloromethane	ND	0.52	ND	0.25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.52	ND	0.074	
75-01-4	Vinyl Chloride	ND	0.53	ND	0.21	
106-99-0	1,3-Butadiene	ND	0.52	ND	0.24	
74-83-9	Bromomethane	ND	0.52	ND	0.13	
75-00-3	Chloroethane	ND	0.52	ND	0.20	
64-17-5	Ethanol	ND	5.3	ND	2.8	
75-05-8	Acetonitrile	ND	0.53	ND	0.32	
107-02-8	Acrolein	ND	1.1	ND	0.48	
67-64-1	Acetone	ND	5.2	ND	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.51	ND	0.091	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	ND	0.41	
107-13-1	Acrylonitrile	ND	1.0	ND	0.46	
75-35-4	1,1-Dichloroethene	ND	0.52	ND	0.13	
75-09-2	Methylene Chloride	ND	0.52	ND	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.52	ND	0.17	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.53	ND	0.069	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	0.53	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.54	ND	0.13	
1634-04-4	Methyl tert-Butyl Ether	ND	0.52	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.5	ND	1.6	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**

Client Sample ID: **Method Blank** ALS Project ID: P2101235

Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210317-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 3/17/21

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	0.52	ND	0.13	
110-54-3	n-Hexane	ND	0.52	ND	0.15	
67-66-3	Chloroform	ND	0.53	ND	0.11	
107-06-2	1,2-Dichloroethane	ND	0.52	ND	0.13	
71-55-6	1,1,1-Trichloroethane	ND	0.52	ND	0.095	
71-43-2	Benzene	ND	0.52	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.11	ND	0.017	
78-87-5	1,2-Dichloropropane	ND	0.52	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.52	ND	0.078	
79-01-6	Trichloroethene	ND	0.11	ND	0.020	
123-91-1	1,4-Dioxane	ND	0.52	ND	0.14	
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	ND	0.12	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	0.51	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.52	ND	0.095	
108-88-3	Toluene	ND	0.52	ND	0.14	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	0.52	ND	0.061	
106-93-4	1,2-Dibromoethane	ND	0.52	ND	0.068	
123-86-4	n-Butyl Acetate	ND	1.0	ND	0.21	
127-18-4	Tetrachloroethene	ND	0.52	ND	0.077	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**

Client Sample ID: **Method Blank** ALS Project ID: P2101235

Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210317-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 3/17/21

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.52	ND	0.11	
100-41-4	Ethylbenzene	ND	0.52	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.53	ND	0.051	
100-42-5	Styrene	ND	0.52	ND	0.12	
95-47-6	o-Xylene	ND	0.53	ND	0.12	
111-84-2	n-Nonane	ND	0.53	ND	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.53	ND	0.077	
98-82-8	Cumene	ND	0.52	ND	0.11	
80-56-8	alpha-Pinene	ND	0.53	ND	0.095	
622-96-8	4-Ethyltoluene	ND	0.53	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.52	ND	0.11	
100-44-7	Benzyl Chloride	ND	1.1	ND	0.20	
541-73-1	1,3-Dichlorobenzene	ND	0.53	ND	0.088	
106-46-7	1,4-Dichlorobenzene	ND	0.52	ND	0.087	
95-50-1	1,2-Dichlorobenzene	ND	0.53	ND	0.088	
5989-27-5	d-Limonene	ND	0.52	ND	0.093	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	ND	0.10	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ND	0.13	
91-20-3	Naphthalene	ND	0.52	ND	0.099	
87-68-3	Hexachlorobutadiene	ND	0.52	ND	0.049	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **Verina Consulting Group, LLC**
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Project ID: P2101235

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 3/9/21
Analyst: Wida Ang Date(s) Received: 3/10/21
Sample Type: 6.0 L Silonite Canister(s) / 6.0 L Summa Canister(s) Date(s) Analyzed: 3/17/21
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P210317-MB	**93**	**107**	**114**	70-130	
Lab Control Sample	P210317-LCS	**93**	**103**	**110**	70-130	
Office Area #1	P2101235-001	**90**	**105**	**117**	70-130	
A/C Area	P2101235-002	**88**	**103**	**118**	70-130	
Office Area #2	P2101235-003	**91**	**104**	**118**	70-130	
Background	P2101235-004	**87**	**104**	**119**	70-130	
Electrical Area	P2101235-005	**91**	**104**	**118**	70-130	
Cafeteria	P2101235-006	**89**	**104**	**119**	70-130	
Hallway	P2101235-007	**89**	**105**	**119**	70-130	
Computer Services	P2101235-008	**88**	**104**	**121**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210317-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**204**	**97**	71-112	
74-87-3	Chloromethane	206	**221**	**107**	53-126	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	216	**230**	**106**	62-121	
75-01-4	Vinyl Chloride	208	**235**	**113**	63-123	
106-99-0	1,3-Butadiene	210	**217**	**103**	63-135	
74-83-9	Bromomethane	212	**217**	**102**	71-112	
75-00-3	Chloroethane	204	**195**	**96**	66-117	
64-17-5	Ethanol	998	**816**	**82**	57-117	
75-05-8	Acetonitrile	202	**187**	**93**	59-131	
107-02-8	Acrolein	436	**427**	**98**	71-123	
67-64-1	Acetone	1,030	**948**	**92**	60-117	
75-69-4	Trichlorofluoromethane (CFC 11)	204	**202**	**99**	71-114	
67-63-0	2-Propanol (Isopropyl Alcohol)	408	**420**	**103**	61-124	
107-13-1	Acrylonitrile	410	**402**	**98**	65-130	
75-35-4	1,1-Dichloroethene	212	**220**	**104**	74-114	
75-09-2	Methylene Chloride	208	**209**	**100**	75-112	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	210	**202**	**96**	57-127	
76-13-1	Trichlorotrifluoroethane (CFC 113)	214	**228**	**107**	73-114	
75-15-0	Carbon Disulfide	428	**398**	**93**	70-113	
156-60-5	trans-1,2-Dichloroethene	212	**223**	**105**	76-119	
75-34-3	1,1-Dichloroethane	212	**207**	**98**	70-114	
1634-04-4	Methyl tert-Butyl Ether	212	**232**	**109**	72-118	
108-05-4	Vinyl Acetate	1,100	**906**	**82**	56-137	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210317-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
78-93-3	2-Butanone (MEK)	412	**451**	**109**	74-121	
156-59-2	cis-1,2-Dichloroethene	208	**209**	**100**	73-117	
110-54-3	n-Hexane	212	**189**	**89**	55-130	
67-66-3	Chloroform	214	**211**	**99**	71-114	
107-06-2	1,2-Dichloroethane	208	**210**	**101**	71-119	
71-55-6	1,1,1-Trichloroethane	206	**210**	**102**	73-119	
71-43-2	Benzene	204	**204**	**100**	72-113	
56-23-5	Carbon Tetrachloride	210	**209**	**100**	67-123	
78-87-5	1,2-Dichloropropane	206	**201**	**98**	70-118	
75-27-4	Bromodichloromethane	210	**217**	**103**	74-119	
79-01-6	Trichloroethene	206	**222**	**108**	74-115	
123-91-1	1,4-Dioxane	208	**221**	**106**	77-124	
10061-01-5	cis-1,3-Dichloropropene	210	**215**	**102**	81-126	
108-10-1	4-Methyl-2-pentanone	416	**421**	**101**	73-129	
10061-02-6	trans-1,3-Dichloropropene	202	**215**	**106**	80-127	
79-00-5	1,1,2-Trichloroethane	206	**221**	**107**	78-117	
108-88-3	Toluene	206	**222**	**108**	70-118	
591-78-6	2-Hexanone	404	**451**	**112**	74-132	
124-48-1	Dibromochloromethane	210	**256**	**122**	69-137	
106-93-4	1,2-Dibromoethane	208	**256**	**123**	76-128	
123-86-4	n-Butyl Acetate	406	**449**	**111**	75-134	
127-18-4	Tetrachloroethene	206	**239**	**116**	63-130	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2101235
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210317-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 3/17/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	**Result µg/m³**	**% Recovery**	ALS Acceptance Limits	**Data Qualifier**
108-90-7	Chlorobenzene	206	**225**	**109**	70-118	
100-41-4	Ethylbenzene	206	**235**	**114**	71-123	
179601-23-1	m,p-Xylenes	412	**457**	**111**	67-127	
75-25-2	Bromoform	208	**281**	**135**	65-149	
100-42-5	Styrene	206	**246**	**119**	76-132	
95-47-6	o-Xylene	206	**233**	**113**	69-124	
111-84-2	n-Nonane	208	**206**	**99**	64-127	
79-34-5	1,1,2,2-Tetrachloroethane	206	**227**	**110**	69-128	
98-82-8	Cumene	208	**236**	**113**	69-125	
80-56-8	alpha-Pinene	214	**255**	**119**	68-129	
622-96-8	4-Ethyltoluene	210	**253**	**120**	69-127	
108-67-8	1,3,5-Trimethylbenzene	206	**225**	**109**	66-129	
95-63-6	1,2,4-Trimethylbenzene	204	**243**	**119**	63-142	
100-44-7	Benzyl Chloride	402	**493**	**123**	73-145	
541-73-1	1,3-Dichlorobenzene	206	**248**	**120**	67-136	
106-46-7	1,4-Dichlorobenzene	204	**222**	**109**	63-134	
95-50-1	1,2-Dichlorobenzene	206	**240**	**117**	64-139	
5989-27-5	d-Limonene	208	**241**	**116**	63-137	
96-12-8	1,2-Dibromo-3-chloropropane	370	**470**	**127**	72-145	
120-82-1	1,2,4-Trichlorobenzene	388	**476**	**123**	62-154	
91-20-3	Naphthalene	198	**245**	**124**	62-156	
87-68-3	Hexachlorobutadiene	210	**237**	**113**	55-142	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Response Factor Report MS13

Method Path : I:\MS13\METHODS\
Method File : R13020221.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
Last Update : Tue Feb 02 12:58:41 2021
Response Via : Initial Calibration

Calibration Files
0.1 =02022102.D 0.2 =02022103.D 0.5 =02022104.D 1.0 =02022105.D 5.0 =02022106.D 25 =02022107.D 50 =02022108.D
100 =02022109.D

		Compound	0.1	0.2	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane...	----------	ISTD	----------							
2)	T	Propene	1.051	1.031	1.098	1.187	1.210	1.062	0.939	0.819	1.050	12.11
3)	T	Dichlorodifluo...	1.916	2.028	2.225	2.430	2.320	2.166	1.929	1.684	2.087	11.69
4)	T	Chloromethane	0.924	1.137	1.348	1.492	1.288	1.259	1.023	0.659	1.141	23.29
5)	T	1,2-Dichloro-1...	1.013	1.057	1.185	1.239	1.185	1.146	1.052	0.981	1.107	8.46
6)	T	Vinyl Chloride	0.921	1.073	1.282	1.407	1.370	1.286	1.143	1.048	1.191	14.38
7)	T	1,3-Butadiene	0.714	0.979	1.102	1.245	1.068	1.155	1.059	0.893	1.027	16.06
8)	T	Bromomethane	0.705	0.731	0.855	0.945	0.897	0.868	0.836	0.783	0.828	9.93
9)	T	Chloroethane		0.602	0.676	0.755	0.722	0.685	0.644	0.587	0.667	9.15
10)	T	Ethanol	0.647	0.627	0.625	0.701	0.668	0.587	0.511	0.437	0.600	14.50
11)	T	Acetonitrile	1.440	1.511	1.588	1.788	1.779	1.678	1.568	1.433	1.598	8.72
12)	T	Acrolein	0.323	0.460	0.547	0.638	0.645	0.598	0.558	0.508	0.535	19.81
13)	T	Acetone	0.611	0.685	0.711	0.787	0.737	0.625	0.534	0.431	0.640	18.09
14)	T	Trichlorofluor...	1.658	1.761	1.944	2.092	2.025	1.949	1.798	1.645	1.859	9.02
15)	T	2-Propanol (Is...	1.532	1.811	2.194	2.622	2.598	2.489	2.139	1.744	2.141	19.35
16)	T	Acrylonitrile		0.872	1.095	1.325	1.314	1.221	1.126	0.987	1.134	14.78
17)	T	1,1-Dichloroet...	0.774	0.805	0.924	1.007	0.990	0.986	0.951	0.895	0.917	9.49
18)	T	2-Methyl-2-Pro...	1.531	1.701	2.072	2.480	2.540	2.523	2.079		2.132	19.10
19)	T	Methylene Chlo...	0.921	0.899	0.970	1.054	1.021	0.995	0.953	0.874	0.961	6.42
20)	T	3-Chloro-1-pro...	1.137	1.157	1.380	1.532	1.452	1.433	1.319	1.170	1.322	11.46
21)	T	Trichlorotrifl...	0.845	0.903	0.949	1.041	0.962	0.984	0.961	0.904	0.944	6.31
22)	T	Carbon Disulfide	4.270	3.728	3.678	3.886	3.569	3.331	2.997	2.440	3.487	16.21
23)	T	trans-1,2-Dich...	0.854	1.009	1.246	1.446	1.441	1.432	1.325	1.185	1.242	17.55
24)	T	1,1-Dichloroet...	1.288	1.480	1.689	1.845	1.802	1.731	1.591	1.411	1.605	12.32
25)	T	Methyl tert-Bu...	2.092	2.361	2.691	3.104	3.208	3.130	2.958	2.581	2.766	14.58
26)	T	Vinyl Acetate			0.171	0.215	0.221	0.212	0.192	0.162	0.196	12.63
27)	T	2-Butanone (MEK)		0.387	0.510	0.651	0.675	0.655	0.605	0.529	0.573	18.11
28)	T	cis-1,2-Dichlo...	1.032	1.090	1.271	1.409	1.394	1.377	1.270	1.133	1.247	11.73
29)	T	Diisopropyl Ether	0.675	0.735	0.860	0.946	0.920	0.774	0.662	0.541	0.764	18.23
30)	T	Ethyl Acetate			0.341	0.456	0.450	0.381	0.314	0.257	0.367	21.38
31)	T	n-Hexane	1.316	1.443	1.605	1.745	1.654	1.381	1.151	0.927	1.403	19.45
32)	T	Chloroform	1.459	1.544	1.744	1.906	1.853	1.823	1.693	1.543	1.695	9.71
33)	S	1,2-Dichloroet...	1.476	1.508	1.545	1.606	1.638	1.620	1.539	1.464	1.549	4.26
34)	T	Tetrahydrofura...	0.510	0.527	0.602	0.658	0.646	0.632	0.582	0.504	0.583	10.68
35)	T	Ethyl tert-But...	0.886	0.986	1.125	1.288	1.279	1.248	1.138	0.963	1.114	13.87
36)	T	1,2-Dichloroet...	1.058	1.147	1.313	1.507	1.491	1.444	1.317	1.177	1.307	12.85
37)	IR	1,4-Difluorobenzen...	----------	ISTD	----------							
38)	T	1,1,1-Trichlor...	0.344	0.349	0.388	0.429	0.423	0.415	0.383	0.349	0.385	9.14
39)	T	Isopropyl Acetate									0.000	-1.00
40)	T	1-Butanol									0.000	-1.00
41)	T	Benzene	0.824	0.815	0.907	0.996	0.960	0.914	0.839	0.727	0.873	10.03
42)	T	Carbon Tetrach...	0.283	0.302	0.345	0.388	0.376	0.370	0.428	0.315	0.351	13.92

2/2/21

Method Path : I:\MS13\METHODS\
Method File : R13020221.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

43)	T	Cyclohexane	0.293	0.311	0.351	0.385	0.374	0.352	0.314	0.261	0.330	12.86
44)	T	tert-Amyl Meth...	0.512	0.541	0.614	0.698	0.697	0.662	0.576	0.455	0.594	14.99
45)	T	1,2-Dichloropr...	0.174	0.194	0.219	0.244	0.236	0.227	0.209	0.186	0.211	11.75
46)	T	Bromodichlorom...	0.227	0.277	0.320	0.353	0.355	0.349	0.323	0.291	0.312	14.36
47)	T	Trichloroethene	0.222	0.227	0.263	0.290	0.288	0.293	0.281	0.258	0.265	10.54
48)	T	1,4-Dioxane			0.156	0.180	0.194	0.203	0.191	0.170	0.182	9.48
49)	T	2,2,4-Trimethy...	0.782	0.830	0.973	1.045	0.988	0.911	0.801	0.660	0.874	14.68
50)	T	Methyl Methacr...			0.059	0.082	0.098	0.102	0.096	0.086	0.087	17.91
51)	T	n-Heptane		0.191	0.226	0.252	0.249	0.237	0.217	0.190	0.223	11.37
52)	T	cis-1,3-Dichlo...			0.302	0.365	0.388	0.386	0.357	0.318	0.353	10.02
53)	T	4-Methyl-2-pen...			0.162	0.200	0.211	0.199	0.170	0.139	0.180	15.41
54)	T	trans-1,3-Dich...			0.252	0.327	0.380	0.384	0.358	0.324	0.337	14.46
55)	T	1,1,2-Trichlor...	0.158	0.193	0.220	0.244	0.240	0.238	0.225	0.207	0.216	13.54
56)	IR	Chlorobenzene-d5 (...	----------	ISTD	----------							
57)	S	Toluene-d8 (SS2)	2.386	2.375	2.335	2.309	2.288	2.206	2.171	2.104	2.272	4.46
58)	T	Toluene	1.935	1.848	2.025	2.138	2.038	1.915	1.735	1.430	1.883	11.72
59)	T	2-Hexanone			0.664	0.933	1.024	0.925	0.766	0.579	0.815	21.27
60)	T	Dibromochlorom...	0.389	0.499	0.566	0.627	0.619	0.616	0.585	0.530	0.554	14.54
61)	T	1,2-Dibromoethane	0.301	0.387	0.497	0.554	0.564	0.554	0.527	0.479	0.483	19.36
62)	T	n-Butyl Acetate			0.695	0.993	1.131	1.035	0.848	0.629	0.888	22.41
63)	T	n-Octane	0.299	0.359	0.413	0.456	0.430	0.390	0.344	0.279	0.371	16.85
64)	T	Tetrachloroethene	0.551	0.595	0.651	0.675	0.645	0.651	0.627	0.565	0.620	7.20
65)	T	Chlorobenzene	1.382	1.324	1.402	1.509	1.426	1.386	1.261	1.027	1.340	10.85
66)	T	Ethylbenzene	1.834	1.913	2.153	2.384	2.401	2.253	2.002	1.588	2.066	13.76
67)	T	m- & p-Xylenes	1.529	1.596	1.800	1.948	1.904	1.738	1.502	1.149	1.646	15.82
68)	T	Bromoform	0.302	0.391	0.455	0.504	0.525	0.549	0.536	0.493	0.469	18.03
69)	T	Styrene			1.037	1.325	1.452	1.430	1.318	1.106	1.278	13.31
70)	T	o-Xylene	1.509	1.600	1.791	1.984	1.909	1.803	1.583	1.245	1.678	14.35
71)	T	n-Nonane			0.882	1.006	0.970	0.855	0.701	0.522	0.823	22.10
72)	T	1,1,2,2-Tetrac...	0.656	0.721	0.790	0.899	0.849	0.801	0.709	0.572	0.750	14.19
73)	S	Bromofluoroben...	0.848	0.856	0.848	0.848	0.849	0.851	0.843	0.822	0.846	1.19
74)	T	Cumene	2.082	2.124	2.263	2.485	2.467	2.339	2.049	1.574	2.173	13.52
75)	T	alpha-Pinene	0.839	0.901	1.062	1.205	1.260	1.179	1.055	0.854	1.044	15.77
76)	T	n-Propylbenzene	2.151	2.245	2.639	2.953	2.939	2.720	2.333	1.747	2.466	17.05
77)	T	3-Ethyltoluene									0.000	-1.00
78)	T	4-Ethyltoluene		1.551	1.974	2.314	2.384	2.320	2.036	1.571	2.022	17.30
79)	T	1,3,5-Trimethy...		1.918	2.002	2.116	2.012	1.964	1.735	1.365	1.873	13.48
80)	T	alpha-Methylst...									0.000	-1.00
81)	T	2-Ethyltoluene									0.000	-1.00
82)	T	1,2,4-Trimethy...	1.487	1.610	1.799	2.070	2.063	2.005	1.662	1.212	1.739	17.57
83)	T	n-Decane									0.000	-1.00
84)	T	Benzyl Chloride			1.175	1.527	1.776	1.651	1.349	0.916	1.399	22.77
85)	T	1,3-Dichlorobe...	0.904	0.930	1.073	1.235	1.250	1.268	1.132	0.875	1.083	15.06
86)	T	1,4-Dichlorobe...	1.307	1.222	1.153	1.300	1.286	1.298	1.200	0.983	1.219	9.07
87)	T	sec-Butylbenzene	2.137	2.300	2.576	2.852	2.802	2.537	2.266	1.677	2.393	16.08
88)	T	4-Isopropyltol...	1.572	1.800	2.091	2.386	2.428	2.395	2.070	1.547	2.036	17.80
89)	T	1,2,3-Trimethy...									0.000	-1.00
90)	T	1,2-Dichlorobe...	1.065	1.047	1.088	1.212	1.221	1.224	1.084	0.837	1.097	11.73
91)	T	d-Limonene		0.482	0.609	0.741	0.780	0.683	0.561	0.412	0.610	22.11
92)	T	1,2-Dibromo-3-...			0.373	0.452	0.496	0.509	0.462	0.374	0.444	13.28
93)	T	n-Undecane									0.000	-1.00
94)	T	1,2,4-Trichlor...	0.883	0.720	0.646	0.797	0.895	1.060	0.929		0.847	16.31

Method Path : I:\MS13\METHODS\
Method File : R13020221.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

95)	T	Naphthalene			1.305	1.918	2.393	2.766	2.494	1.893	2.128	24.75
96)	T	n-Dodecane									0.000	-1.00
97)	T	Hexachlorobuta...	0.709	0.587	0.564	0.649	0.660	0.690	0.663	0.579	0.638	8.48
98)	T	Cyclohexanone									0.000	-1.00
99)	T	tert-Butylbenzene	1.511	1.582	1.847	2.115	2.074	1.951	1.605	1.171	1.732	18.60
100)	T	n-Butylbenzene	1.386	1.612	1.890	2.151	2.233	2.130	1.812	1.354	1.821	18.91
101)	T	1,1,1,2-Tetrac...	0.461	0.442	0.497	0.549	0.541	0.534	0.493	0.412	0.491	10.14

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2021 03\16\03162131.D Vial: 1
Acq On : 16 Mar 2021 23:20 Operator: WA
Sample : CCV2 R13031621 25ng Inst : MS13
Misc : S34-03012101/S34-03102101 (4/9)

Quant Time: Mar 17 03:10:47 2021
Quant Method : I:\MS13\METHODS\R13020221.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Tue Feb 02 12:58:41 2021
Response via : Initial Calibration
DataAcq Meth:TO15.M

VOA 3/17/21

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	102	-0.02
2	T	Propene	1.050	0.898	14.5	87	0.00
3	T	Dichlorodifluoromethane (CF	2.087	2.116	-1.4	100	0.00
4	T	Chloromethane	1.141	1.132	0.8	92	0.00
5	T	1,2-Dichloro-1,1,2,2-tetraf	1.107	1.192	-7.7	106	-0.02
6	T	Vinyl Chloride	1.191	1.336	-12.2	106	-0.01
7	T	1,3-Butadiene	1.027	1.061	-3.3	94	-0.02
8	T	Bromomethane	0.828	0.883	-6.6	104	-0.02
9	T	Chloroethane	0.667	0.649	2.7	97	-0.02
10	T	Ethanol	0.600	0.541	9.8	94	-0.07
11	T	Acetonitrile	1.598	1.446	9.5	88	-0.05
12	T	Acrolein	0.535	0.553	-3.4	95	-0.03
13	T	Acetone	0.640	0.603	5.8	99	-0.04
14	T	Trichlorofluoromethane	1.859	1.928	-3.7	101	-0.01
15	T	2-Propanol (Isopropanol)	2.141	2.356	-10.0	97	-0.06
16	T	Acrylonitrile	1.134	1.136	-0.2	95	-0.05
17	T	1,1-Dichloroethene	0.917	0.992	-8.2	103	-0.02
18	T	2-Methyl-2-Propanol (tert-B	2.132	2.600	-22.0	105	-0.04
19	T	Methylene Chloride	0.961	0.993	-3.3	102	-0.02
20	T	3-Chloro-1-propene (Allyl C	1.322	1.257	4.9	90	-0.02
21	T	Trichlorotrifluoroethane	0.944	1.061	-12.4	110	-0.01
22	T	Carbon Disulfide	3.487	3.349	4.0	103	-0.02
23	T	trans-1,2-Dichloroethene	1.242	1.353	-8.9	97	-0.01
24	T	1,1-Dichloroethane	1.605	1.638	-2.1	97	-0.02
25	T	Methyl tert-Butyl Ether	2.766	3.164	-14.4	103	-0.01
26	T	Vinyl Acetate	0.196	0.217	-10.7	105	-0.03
27	T	2-Butanone (MEK)	0.573	0.645	-12.6	101	-0.03
28	T	cis-1,2-Dichloroethene	1.247	1.302	-4.4	97	-0.02
29	T	Diisopropyl Ether	0.764	0.792	-3.7	105	-0.02
30	T	Ethyl Acetate	0.367	0.380	-3.5	102	-0.03
31	T	n-Hexane	1.403	1.324	5.6	98	0.00
32	T	Chloroform	1.695	1.778	-4.9	100	-0.03
33	S	1,2-Dichloroethane-d4(SS1)	1.549	1.482	4.3	94	-0.02
34	T	Tetrahydrofuran (THF)	0.583	0.609	-4.5	99	-0.01
35	T	Ethyl tert-Butyl Ether	1.114	1.255	-12.7	103	-0.01
36	T	1,2-Dichloroethane	1.307	1.385	-6.0	98	-0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	103	-0.01
38	T	1,1,1-Trichloroethane	0.385	0.409	-6.2	101	0.00
39	T	Isopropyl Acetate	0.000	0.000	0.0	101	0.00
40	T	1-Butanol	0.000	0.000	0.0	79	0.00
41	T	Benzene	0.873	0.885	-1.4	99	-0.01
42	T	Carbon Tetrachloride	0.351	0.371	-5.7	103	0.00
43	T	Cyclohexane	0.330	0.349	-5.8	102	-0.01
44	T	tert-Amyl Methyl Ether	0.594	0.657	-10.6	102	-0.01
45	T	1,2-Dichloropropane	0.211	0.209	0.9	95	-0.01
46	T	Bromodichloromethane	0.312	0.339	-8.7	100	-0.01
47	T	Trichloroethene	0.265	0.301	-13.6	106	-0.01
48	T	1,4-Dioxane	0.182	0.200	-9.9	102	0.00
49	T	2,2,4-Trimethylpentane (Iso	0.874	0.841	3.8	95	0.00
50	T	Methyl Methacrylate	0.087	0.104	-19.5	105	-0.01
51	T	n-Heptane	0.223	0.227	-1.8	98	-0.01
52	T	cis-1,3-Dichloropropene	0.353	0.373	-5.7	99	0.00
53	T	4-Methyl-2-pentanone	0.180	0.188	-4.4	97	-0.01
54	T	trans-1,3-Dichloropropene	0.337	0.374	-11.0	100	0.00
55	T	1,1,2-Trichloroethane	0.216	0.235	-8.8	102	-0.01

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2021 03\16\03162131.D Vial: 1
Acq On : 16 Mar 2021 23:20 Operator: WA
Sample : CCV2 R13031621 25ng Inst : MS13
Misc : S34-03012101/S34-03102101 (4/9)

Quant Time: Mar 17 03:10:47 2021
Quant Method : I:\MS13\METHODS\R13020221.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Tue Feb 02 12:58:41 2021
Response via : Initial Calibration
DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	96	0.00
57	S	Toluene-d8 (SS2)	2.272	2.306	-1.5	100	0.00
58	T	Toluene	1.883	2.033	-8.0	101	-0.01
59	T	2-Hexanone	0.815	0.921	-13.0	95	-0.02
60	T	Dibromochloromethane	0.554	0.672	-21.3	104	-0.01
61	T	1,2-Dibromoethane	0.483	0.600	-24.2	103	0.00
62	T	n-Butyl Acetate	0.888	1.016	-14.4	94	-0.01
63	T	n-Octane	0.371	0.382	-3.0	94	0.00
64	T	Tetrachloroethene	0.620	0.723	-16.6	106	0.00
65	T	Chlorobenzene	1.340	1.482	-10.6	102	-0.01
66	T	Ethylbenzene	2.066	2.371	-14.8	101	0.00
67	T	m- & p-Xylenes	1.646	1.843	-12.0	101	-0.01
68	T	Bromoform	0.469	0.628	-33.9#	109	0.00
69	T	Styrene	1.278	1.552	-21.4	104	0.00
70	T	o-Xylene	1.678	1.905	-13.5	101	-0.01
71	T	n-Nonane	0.823	0.804	2.3	90	0.00
72	T	1,1,2,2-Tetrachloroethane	0.750	0.825	-10.0	98	0.00
73	S	Bromofluorobenzene (SS3)	0.846	0.945	-11.7	106	0.00
74	T	Cumene	2.173	2.486	-14.4	102	0.00
75	T	alpha-Pinene	1.044	1.263	-21.0	102	0.00
76	T	n-Propylbenzene	2.466	2.837	-15.0	100	0.00
77	T	3-Ethyltoluene	0.000	0.000	0.0	100	0.00
78	T	4-Ethyltoluene	2.022	2.434	-20.4	100	0.00
79	T	1,3,5-Trimethylbenzene	1.873	2.051	-9.5	100	0.00
80	T	alpha-Methylstyrene	0.000	0.000	0.0	100	0.00
81	T	2-Ethyltoluene	0.000	0.000	0.0	100	0.00
82	T	1,2,4-Trimethylbenzene	1.739	2.084	-19.8	99	-0.01
83	T	n-Decane	0.000	0.000	0.0	96	0.00
84	T	Benzyl Chloride	1.399	1.787	-27.7	103	0.00
85	T	1,3-Dichlorobenzene	1.083	1.357	-25.3	102	-0.01
86	T	1,4-Dichlorobenzene	1.219	1.397	-14.6	103	-0.01
87	T	sec-Butylbenzene	2.393	2.681	-12.0	101	0.00
88	T	4-Isopropyltoluene (p-Cymen	2.036	2.525	-24.0	101	0.00
89	T	1,2,3-Trimethylbenzene	0.000	0.000	0.0	101	0.00
90	T	1,2-Dichlorobenzene	1.097	1.297	-18.2	101	0.00
91	T	d-Limonene	0.610	0.720	-18.0	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.444	0.552	-24.3	104	0.00
93	T	n-Undecane	0.000	0.000	0.0	8#	0.00
94	T	1,2,4-Trichlorobenzene	0.847	1.075	-26.9	97	0.00
95	T	Naphthalene	2.128	2.780	-30.6#	96	0.00
96	T	n-Dodecane	0.000	0.000	0.0	7#	0.00
97	T	Hexachlorobutadiene	0.638	0.766	-20.1	106	0.00
98	T	Cyclohexanone	0.000	0.000	0.0	102	0.00
99	T	tert-Butylbenzene	1.732	2.065	-19.2	101	0.00
100	T	n-Butylbenzene	1.821	2.193	-20.4	98	0.00
101	T	1,1,1,2-Tetrachloroethane	0.491	0.574	-16.9	103	0.00

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

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LABORATORY REPORT

May 17, 2021

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

RE: Dover-Kirkwood / 5101.0002

Dear Sarah:

Enclosed are the results of the samples submitted to our laboratory on April 23, 2021. For your reference, these analyses have been assigned our service request number P2102180.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Hayden Akers at 5:21 pm, May 17, 2021

Hayden Akers
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: Verina Consulting Group, LLC
Project: Dover-Kirkwood / 5101.0002

Service Request No: P2102180
NJ Certification ID: CA009

CASE NARRATIVE

The samples were received intact under chain of custody on April 23, 2021 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

Second source verification standards are analyzed following instrument calibration to verify the accuracy of the calibration standards. This check is evaluated using the same criteria as the continuing calibration verification standard. The upper control criterion was exceeded for ethyl acetate in the second source verification for ICAL, however the recovery was within the laboratory generated control limits. Since the apparent problem equates to a high bias, the data quality has not been significantly affected. No corrective action was taken.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.3 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-008
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Verina Consulting Group, LLC
Service Request: P2102180
Project ID: Dover-Kirkwood / 5101.0002

Date Received: 4/23/2021
Time Received: 15:51

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-15 - VOC Cans
Office Area1	P2102180-001	Air	4/22/2021	14:41	AS00864	-2.38	3.97	X
DUP-042221	P2102180-002	Air	4/22/2021	14:41	AC01570	-4.68	3.59	X

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle:
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) **10 Day-Standard**

ALS Project No. P210280

Company Name & Address (Reporting Information)	Verina Consulting Group, LLC 1011 US Highway 22 (Suite 302) Bridgewater NJ, 08807
Project Name	Dover - Kirkwood
Project Number	5101.0002
Project Manager	Sarah MacCarter
P.O. # / Billing Information	Verina Consulting Group, LLC 1011 US Highway 22 (Suite 302) Bridgewater NJ, 08807
Phone	908-864-4400
Fax	908-864-4401
Email Address for Result Reporting	smaccarter@vcg-llc.com
Sampler (Print & Sign)	Connor Faccone

ALS Contact:

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Analysis Method		Comments e.g. Actual Preservative or specific instructions
~~AS00864~~		4/22/21	1441	AS00864	SFC00225	24.0	4.5	6L	TO-15		ID= Office Amb 1
~~AC01570~~		4/22/21	1441	AC01570	SFC00524	27.5	9.0	6L	TO-15		ID= DUP-042221

5 of 25

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____ Tier III (Results + QC & Calibration Summaries) ✓
Tier II (Results + QC Summaries) _____ Tier IV (Data Validation Package) 10% Surcharge _____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature) Connor Faccone	Date: 4/23/21	Time: 1450	Received by: (Signature) Jeremy Arden	Date: 4-23-21	Time: 1551
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____°C

ALS Environmental

Sample Acceptance Check Form

Client: Verina Consulting Group, LLC Work order: P2102180

Project: Dover-Kirkwood / 5101.0002

Sample(s) received on: 4/23/2021 Date opened: 4/23/2021 by: JEREMY.ANDERSON

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2102180-001.01	6.0 L Silonite Can					
P2102180-002.01	6.0 L Ambient Can					

Explain any discrepancies: (include lab sample ID numbers): COC COMMENTS SECTIONS DIFFERS FROM TAG A LITTLE. COC REFLECTED.

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area1** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2102180-001

Test Code: EPA TO-15 Date Collected: 4/22/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/21
Analyst: Wida Ang Date Analyzed: 5/14/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00864

Initial Pressure (psig): -2.38 Final Pressure (psig): 3.97

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.8**	0.79	**0.56**	0.16	
74-87-3	Chloromethane	ND	0.79	ND	0.38	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.79	ND	0.11	
75-01-4	Vinyl Chloride	ND	0.81	ND	0.32	
106-99-0	1,3-Butadiene	ND	0.79	ND	0.36	
74-83-9	Bromomethane	ND	0.79	ND	0.20	
75-00-3	Chloroethane	ND	0.79	ND	0.30	
64-17-5	Ethanol	**780**	8.1	**420**	4.3	
75-05-8	Acetonitrile	ND	0.81	ND	0.48	
107-02-8	Acrolein	ND	1.7	ND	0.73	
67-64-1	Acetone	**12**	7.9	**4.9**	3.3	
75-69-4	Trichlorofluoromethane (CFC 11)	**7.2**	0.78	**1.3**	0.14	
67-63-0	2-Propanol (Isopropyl Alcohol)	**29**	1.5	**12**	0.62	
107-13-1	Acrylonitrile	ND	1.5	ND	0.70	
75-35-4	1,1-Dichloroethene	ND	0.79	ND	0.20	
75-09-2	Methylene Chloride	ND	0.79	ND	0.23	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.79	ND	0.25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.81	ND	0.11	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	0.81	ND	0.20	
75-34-3	1,1-Dichloroethane	ND	0.82	ND	0.20	
1634-04-4	Methyl tert-Butyl Ether	ND	0.79	ND	0.22	
108-05-4	Vinyl Acetate	ND	8.4	ND	2.4	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area1** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2102180-001

Test Code: EPA TO-15 Date Collected: 4/22/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/21
Analyst: Wida Ang Date Analyzed: 5/14/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00864

Initial Pressure (psig): -2.38 Final Pressure (psig): 3.97

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**2.1**	1.5	**0.71**	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	0.79	ND	0.20	
110-54-3	n-Hexane	**18**	0.79	**5.2**	0.22	
67-66-3	Chloroform	ND	0.81	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.79	ND	0.20	
71-55-6	1,1,1-Trichloroethane	ND	0.79	ND	0.14	
71-43-2	Benzene	**6.2**	0.79	**1.9**	0.25	
56-23-5	Carbon Tetrachloride	**0.43**	0.17	**0.069**	0.027	
78-87-5	1,2-Dichloropropane	ND	0.79	ND	0.17	
75-27-4	Bromodichloromethane	ND	0.79	ND	0.12	
79-01-6	Trichloroethene	ND	0.17	ND	0.031	
123-91-1	1,4-Dioxane	ND	0.79	ND	0.22	
10061-01-5	cis-1,3-Dichloropropene	ND	0.81	ND	0.18	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	0.78	ND	0.17	
79-00-5	1,1,2-Trichloroethane	ND	0.79	ND	0.14	
108-88-3	Toluene	**38**	0.79	**10**	0.21	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	
124-48-1	Dibromochloromethane	ND	0.79	ND	0.093	
106-93-4	1,2-Dibromoethane	ND	0.79	ND	0.10	
123-86-4	n-Butyl Acetate	ND	1.5	ND	0.32	
127-18-4	Tetrachloroethene	**1.1**	0.79	**0.16**	0.12	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area1** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2102180-001

Test Code: EPA TO-15 Date Collected: 4/22/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/21
Analyst: Wida Ang Date Analyzed: 5/14/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00864

Initial Pressure (psig): -2.38 Final Pressure (psig): 3.97

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.79	ND	0.17	
100-41-4	Ethylbenzene	**4.7**	0.79	**1.1**	0.18	
179601-23-1	m,p-Xylenes	**17**	1.5	**3.9**	0.35	
75-25-2	Bromoform	ND	0.81	ND	0.078	
100-42-5	Styrene	ND	0.79	ND	0.19	
95-47-6	o-Xylene	**5.4**	0.81	**1.2**	0.19	
111-84-2	n-Nonane	**1.3**	0.81	**0.24**	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.81	ND	0.12	
98-82-8	Cumene	ND	0.79	ND	0.16	
80-56-8	alpha-Pinene	**1.7**	0.81	**0.31**	0.14	
622-96-8	4-Ethyltoluene	**1.3**	0.81	**0.26**	0.16	
108-67-8	1,3,5-Trimethylbenzene	**1.0**	0.81	**0.21**	0.16	
95-63-6	1,2,4-Trimethylbenzene	**3.7**	0.79	**0.75**	0.16	
100-44-7	Benzyl Chloride	ND	1.6	ND	0.31	
541-73-1	1,3-Dichlorobenzene	ND	0.81	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.79	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.81	ND	0.13	
5989-27-5	d-Limonene	**5.2**	0.79	**0.94**	0.14	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	ND	0.16	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	ND	0.20	
91-20-3	Naphthalene	ND	0.79	ND	0.15	
87-68-3	Hexachlorobutadiene	ND	0.79	ND	0.074	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **DUP-042221** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2102180-002

Test Code: EPA TO-15 Date Collected: 4/22/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/21
Analyst: Wida Ang Date Analyzed: 5/13/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC01570

Initial Pressure (psig): -4.68 Final Pressure (psig): 3.59

Canister Dilution Factor: 1.83

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.9**	0.95	**0.58**	0.19	
74-87-3	Chloromethane	ND	0.95	ND	0.46	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.95	ND	0.14	
75-01-4	Vinyl Chloride	ND	0.97	ND	0.38	
106-99-0	1,3-Butadiene	ND	0.95	ND	0.43	
74-83-9	Bromomethane	ND	0.95	ND	0.25	
75-00-3	Chloroethane	ND	0.95	ND	0.36	
64-17-5	Ethanol	**680**	9.7	**360**	5.1	
75-05-8	Acetonitrile	ND	0.97	ND	0.58	
107-02-8	Acrolein	ND	2.0	ND	0.88	
67-64-1	Acetone	**15**	9.5	**6.5**	4.0	
75-69-4	Trichlorofluoromethane (CFC 11)	**8.5**	0.93	**1.5**	0.17	
67-63-0	2-Propanol (Isopropyl Alcohol)	**31**	1.8	**13**	0.74	
107-13-1	Acrylonitrile	ND	1.8	ND	0.84	
75-35-4	1,1-Dichloroethene	ND	0.95	ND	0.24	
75-09-2	Methylene Chloride	ND	0.95	ND	0.27	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.95	ND	0.30	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.97	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.8	ND	0.59	
156-60-5	trans-1,2-Dichloroethene	ND	0.97	ND	0.24	
75-34-3	1,1-Dichloroethane	ND	0.99	ND	0.24	
1634-04-4	Methyl tert-Butyl Ether	ND	0.95	ND	0.26	
108-05-4	Vinyl Acetate	ND	10	ND	2.9	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **DUP-042221** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2102180-002

Test Code: EPA TO-15 Date Collected: 4/22/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/21
Analyst: Wida Ang Date Analyzed: 5/13/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC01570

Initial Pressure (psig): -4.68 Final Pressure (psig): 3.59

Canister Dilution Factor: 1.83

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**2.7**	1.8	**0.91**	0.62	
156-59-2	cis-1,2-Dichloroethene	ND	0.95	ND	0.24	
110-54-3	n-Hexane	ND	0.95	ND	0.27	
67-66-3	Chloroform	ND	0.97	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	0.95	ND	0.24	
71-55-6	1,1,1-Trichloroethane	ND	0.95	ND	0.17	
71-43-2	Benzene	ND	0.95	ND	0.30	
56-23-5	Carbon Tetrachloride	**0.24**	0.20	**0.038**	0.032	
78-87-5	1,2-Dichloropropane	ND	0.95	ND	0.21	
75-27-4	Bromodichloromethane	ND	0.95	ND	0.14	
79-01-6	Trichloroethene	ND	0.20	ND	0.037	
123-91-1	1,4-Dioxane	ND	0.95	ND	0.26	
10061-01-5	cis-1,3-Dichloropropene	ND	0.97	ND	0.21	
108-10-1	4-Methyl-2-pentanone	ND	1.8	ND	0.45	
10061-02-6	trans-1,3-Dichloropropene	ND	0.93	ND	0.21	
79-00-5	1,1,2-Trichloroethane	ND	0.95	ND	0.17	
108-88-3	Toluene	**2.5**	0.95	**0.67**	0.25	
591-78-6	2-Hexanone	ND	1.8	ND	0.45	
124-48-1	Dibromochloromethane	ND	0.95	ND	0.11	
106-93-4	1,2-Dibromoethane	ND	0.95	ND	0.12	
123-86-4	n-Butyl Acetate	ND	1.8	ND	0.39	
127-18-4	Tetrachloroethene	**1.3**	0.95	**0.19**	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **DUP-042221** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2102180-002

Test Code: EPA TO-15 Date Collected: 4/22/21
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/21
Analyst: Wida Ang Date Analyzed: 5/13/21
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC01570

Initial Pressure (psig): -4.68 Final Pressure (psig): 3.59

Canister Dilution Factor: 1.83

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.95	ND	0.21	
100-41-4	Ethylbenzene	ND	0.95	ND	0.22	
179601-23-1	m,p-Xylenes	ND	1.8	ND	0.42	
75-25-2	Bromoform	ND	0.97	ND	0.094	
100-42-5	Styrene	ND	0.95	ND	0.22	
95-47-6	o-Xylene	ND	0.97	ND	0.22	
111-84-2	n-Nonane	ND	0.97	ND	0.18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.97	ND	0.14	
98-82-8	Cumene	ND	0.95	ND	0.19	
80-56-8	alpha-Pinene	**1.8**	0.97	**0.32**	0.17	
622-96-8	4-Ethyltoluene	ND	0.97	ND	0.20	
108-67-8	1,3,5-Trimethylbenzene	ND	0.97	ND	0.20	
95-63-6	1,2,4-Trimethylbenzene	ND	0.95	ND	0.19	
100-44-7	Benzyl Chloride	ND	1.9	ND	0.37	
541-73-1	1,3-Dichlorobenzene	ND	0.97	ND	0.16	
106-46-7	1,4-Dichlorobenzene	ND	0.95	ND	0.16	
95-50-1	1,2-Dichlorobenzene	ND	0.97	ND	0.16	
5989-27-5	d-Limonene	**3.1**	0.95	**0.56**	0.17	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	ND	0.19	
120-82-1	1,2,4-Trichlorobenzene	ND	1.8	ND	0.25	
91-20-3	Naphthalene	ND	0.95	ND	0.18	
87-68-3	Hexachlorobutadiene	ND	0.95	ND	0.089	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Method Blank** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210513-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/13/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.52	ND	0.11	
74-87-3	Chloromethane	ND	0.52	ND	0.25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.52	ND	0.074	
75-01-4	Vinyl Chloride	ND	0.53	ND	0.21	
106-99-0	1,3-Butadiene	ND	0.52	ND	0.24	
74-83-9	Bromomethane	ND	0.52	ND	0.13	
75-00-3	Chloroethane	ND	0.52	ND	0.20	
64-17-5	Ethanol	ND	5.3	ND	2.8	
75-05-8	Acetonitrile	ND	0.53	ND	0.32	
107-02-8	Acrolein	ND	1.1	ND	0.48	
67-64-1	Acetone	ND	5.2	ND	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.51	ND	0.091	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	ND	0.41	
107-13-1	Acrylonitrile	ND	1.0	ND	0.46	
75-35-4	1,1-Dichloroethene	ND	0.52	ND	0.13	
75-09-2	Methylene Chloride	ND	0.52	ND	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.52	ND	0.17	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.53	ND	0.069	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	0.53	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.54	ND	0.13	
1634-04-4	Methyl tert-Butyl Ether	ND	0.52	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.5	ND	1.6	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**

Client Sample ID: **Method Blank** ALS Project ID: P2102180

Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210513-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/13/21

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	0.52	ND	0.13	
110-54-3	n-Hexane	ND	0.52	ND	0.15	
67-66-3	Chloroform	ND	0.53	ND	0.11	
107-06-2	1,2-Dichloroethane	ND	0.52	ND	0.13	
71-55-6	1,1,1-Trichloroethane	ND	0.52	ND	0.095	
71-43-2	Benzene	ND	0.52	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.11	ND	0.017	
78-87-5	1,2-Dichloropropane	ND	0.52	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.52	ND	0.078	
79-01-6	Trichloroethene	ND	0.11	ND	0.020	
123-91-1	1,4-Dioxane	ND	0.52	ND	0.14	
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	ND	0.12	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	0.51	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.52	ND	0.095	
108-88-3	Toluene	ND	0.52	ND	0.14	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	0.52	ND	0.061	
106-93-4	1,2-Dibromoethane	ND	0.52	ND	0.068	
123-86-4	n-Butyl Acetate	ND	1.0	ND	0.21	
127-18-4	Tetrachloroethene	ND	0.52	ND	0.077	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**

Client Sample ID: **Method Blank** ALS Project ID: P2102180

Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210513-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/13/21

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.52	ND	0.11	
100-41-4	Ethylbenzene	ND	0.52	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.53	ND	0.051	
100-42-5	Styrene	ND	0.52	ND	0.12	
95-47-6	o-Xylene	ND	0.53	ND	0.12	
111-84-2	n-Nonane	ND	0.53	ND	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.53	ND	0.077	
98-82-8	Cumene	ND	0.52	ND	0.11	
80-56-8	alpha-Pinene	ND	0.53	ND	0.095	
622-96-8	4-Ethyltoluene	ND	0.53	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.52	ND	0.11	
100-44-7	Benzyl Chloride	ND	1.1	ND	0.20	
541-73-1	1,3-Dichlorobenzene	ND	0.53	ND	0.088	
106-46-7	1,4-Dichlorobenzene	ND	0.52	ND	0.087	
95-50-1	1,2-Dichlorobenzene	ND	0.53	ND	0.088	
5989-27-5	d-Limonene	ND	0.52	ND	0.093	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	ND	0.10	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ND	0.13	
91-20-3	Naphthalene	ND	0.52	ND	0.099	
87-68-3	Hexachlorobutadiene	ND	0.52	ND	0.049	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Method Blank** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210514-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/14/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.52	ND	0.11	
74-87-3	Chloromethane	ND	0.52	ND	0.25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.52	ND	0.074	
75-01-4	Vinyl Chloride	ND	0.53	ND	0.21	
106-99-0	1,3-Butadiene	ND	0.52	ND	0.24	
74-83-9	Bromomethane	ND	0.52	ND	0.13	
75-00-3	Chloroethane	ND	0.52	ND	0.20	
64-17-5	Ethanol	ND	5.3	ND	2.8	
75-05-8	Acetonitrile	ND	0.53	ND	0.32	
107-02-8	Acrolein	ND	1.1	ND	0.48	
67-64-1	Acetone	ND	5.2	ND	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.51	ND	0.091	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	ND	0.41	
107-13-1	Acrylonitrile	ND	1.0	ND	0.46	
75-35-4	1,1-Dichloroethene	ND	0.52	ND	0.13	
75-09-2	Methylene Chloride	ND	0.52	ND	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.52	ND	0.17	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.53	ND	0.069	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	0.53	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.54	ND	0.13	
1634-04-4	Methyl tert-Butyl Ether	ND	0.52	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.5	ND	1.6	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**

Client Sample ID: **Method Blank** ALS Project ID: P2102180

Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210514-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/14/21

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	0.52	ND	0.13	
110-54-3	n-Hexane	ND	0.52	ND	0.15	
67-66-3	Chloroform	ND	0.53	ND	0.11	
107-06-2	1,2-Dichloroethane	ND	0.52	ND	0.13	
71-55-6	1,1,1-Trichloroethane	ND	0.52	ND	0.095	
71-43-2	Benzene	ND	0.52	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.11	ND	0.017	
78-87-5	1,2-Dichloropropane	ND	0.52	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.52	ND	0.078	
79-01-6	Trichloroethene	ND	0.11	ND	0.020	
123-91-1	1,4-Dioxane	ND	0.52	ND	0.14	
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	ND	0.12	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	0.51	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.52	ND	0.095	
108-88-3	Toluene	ND	0.52	ND	0.14	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	0.52	ND	0.061	
106-93-4	1,2-Dibromoethane	ND	0.52	ND	0.068	
123-86-4	n-Butyl Acetate	ND	1.0	ND	0.21	
127-18-4	Tetrachloroethene	ND	0.52	ND	0.077	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Verina Consulting Group, LLC**

Client Sample ID: **Method Blank** ALS Project ID: P2102180

Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210514-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/14/21

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.52	ND	0.11	
100-41-4	Ethylbenzene	ND	0.52	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.53	ND	0.051	
100-42-5	Styrene	ND	0.52	ND	0.12	
95-47-6	o-Xylene	ND	0.53	ND	0.12	
111-84-2	n-Nonane	ND	0.53	ND	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.53	ND	0.077	
98-82-8	Cumene	ND	0.52	ND	0.11	
80-56-8	alpha-Pinene	ND	0.53	ND	0.095	
622-96-8	4-Ethyltoluene	ND	0.53	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.52	ND	0.11	
100-44-7	Benzyl Chloride	ND	1.1	ND	0.20	
541-73-1	1,3-Dichlorobenzene	ND	0.53	ND	0.088	
106-46-7	1,4-Dichlorobenzene	ND	0.52	ND	0.087	
95-50-1	1,2-Dichlorobenzene	ND	0.53	ND	0.088	
5989-27-5	d-Limonene	ND	0.52	ND	0.093	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	ND	0.10	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ND	0.13	
91-20-3	Naphthalene	ND	0.52	ND	0.099	
87-68-3	Hexachlorobutadiene	ND	0.52	ND	0.049	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **Verina Consulting Group, LLC**
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Project ID: P2102180

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 4/22/21
Analyst: Wida Ang Date(s) Received: 4/23/21
Sample Type: 6.0 L Silonite Canister(s) / 6.0 L Summa Canister(s) Date(s) Analyzed: 5/13 - 5/14/21
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P210513-MB	**91**	**114**	**110**	70-130	
Method Blank	P210514-MB	**105**	**107**	**100**	70-130	
Lab Control Sample	P210513-LCS	**99**	**100**	**103**	70-130	
Lab Control Sample	P210514-LCS	**105**	**96**	**94**	70-130	
Office Area1	P2102180-001	**97**	**102**	**96**	70-130	
DUP-042221	P2102180-002	**92**	**112**	**102**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210513-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/13/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**181**	**86**	71-112	
74-87-3	Chloromethane	206	**160**	**78**	53-126	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	216	**179**	**83**	62-121	
75-01-4	Vinyl Chloride	208	**181**	**87**	63-123	
106-99-0	1,3-Butadiene	210	**166**	**79**	63-135	
74-83-9	Bromomethane	212	**183**	**86**	71-112	
75-00-3	Chloroethane	204	**178**	**87**	66-117	
64-17-5	Ethanol	998	**790**	**79**	57-117	
75-05-8	Acetonitrile	202	**172**	**85**	59-131	
107-02-8	Acrolein	436	**379**	**87**	71-123	
67-64-1	Acetone	1,030	**952**	**92**	60-117	
75-69-4	Trichlorofluoromethane (CFC 11)	204	**180**	**88**	71-114	
67-63-0	2-Propanol (Isopropyl Alcohol)	408	**369**	**90**	61-124	
107-13-1	Acrylonitrile	410	**398**	**97**	65-130	
75-35-4	1,1-Dichloroethene	212	**183**	**86**	74-114	
75-09-2	Methylene Chloride	208	**186**	**89**	75-112	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	210	**178**	**85**	57-127	
76-13-1	Trichlorotrifluoroethane (CFC 113)	214	**187**	**87**	73-114	
75-15-0	Carbon Disulfide	428	**392**	**92**	70-113	
156-60-5	trans-1,2-Dichloroethene	212	**193**	**91**	76-119	
75-34-3	1,1-Dichloroethane	212	**189**	**89**	70-114	
1634-04-4	Methyl tert-Butyl Ether	212	**206**	**97**	72-118	
108-05-4	Vinyl Acetate	1,100	**697**	**63**	56-137	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210513-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/13/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
78-93-3	2-Butanone (MEK)	412	**396**	**96**	74-121	
156-59-2	cis-1,2-Dichloroethene	208	**190**	**91**	73-117	
110-54-3	n-Hexane	212	**235**	**111**	55-130	
67-66-3	Chloroform	214	**195**	**91**	71-114	
107-06-2	1,2-Dichloroethane	208	**190**	**91**	71-119	
71-55-6	1,1,1-Trichloroethane	206	**187**	**91**	73-119	
71-43-2	Benzene	204	**190**	**93**	72-113	
56-23-5	Carbon Tetrachloride	210	**187**	**89**	67-123	
78-87-5	1,2-Dichloropropane	206	**187**	**91**	70-118	
75-27-4	Bromodichloromethane	210	**192**	**91**	74-119	
79-01-6	Trichloroethene	206	**185**	**90**	74-115	
123-91-1	1,4-Dioxane	208	**204**	**98**	77-124	
10061-01-5	cis-1,3-Dichloropropene	210	**210**	**100**	81-126	
108-10-1	4-Methyl-2-pentanone	416	**419**	**101**	73-129	
10061-02-6	trans-1,3-Dichloropropene	202	**215**	**106**	80-127	
79-00-5	1,1,2-Trichloroethane	206	**192**	**93**	78-117	
108-88-3	Toluene	206	**196**	**95**	70-118	
591-78-6	2-Hexanone	404	**454**	**112**	74-132	
124-48-1	Dibromochloromethane	210	**212**	**101**	69-137	
106-93-4	1,2-Dibromoethane	208	**211**	**101**	76-128	
123-86-4	n-Butyl Acetate	406	**444**	**109**	75-134	
127-18-4	Tetrachloroethene	206	**168**	**82**	63-130	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210513-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/13/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	**Result µg/m³**	**% Recovery**	ALS Acceptance Limits	**Data Qualifier**
108-90-7	Chlorobenzene	206	**197**	**96**	70-118	
100-41-4	Ethylbenzene	206	**208**	**101**	71-123	
179601-23-1	m,p-Xylenes	412	**439**	**107**	67-127	
75-25-2	Bromoform	208	**214**	**103**	65-149	
100-42-5	Styrene	206	**217**	**105**	76-132	
95-47-6	o-Xylene	206	**214**	**104**	69-124	
111-84-2	n-Nonane	208	**201**	**97**	64-127	
79-34-5	1,1,2,2-Tetrachloroethane	206	**210**	**102**	69-128	
98-82-8	Cumene	208	**218**	**105**	69-125	
80-56-8	alpha-Pinene	214	**228**	**107**	68-129	
622-96-8	4-Ethyltoluene	210	**232**	**110**	69-127	
108-67-8	1,3,5-Trimethylbenzene	206	**224**	**109**	66-129	
95-63-6	1,2,4-Trimethylbenzene	204	**273**	**134**	63-142	
100-44-7	Benzyl Chloride	402	**546**	**136**	73-145	
541-73-1	1,3-Dichlorobenzene	206	**242**	**117**	67-136	
106-46-7	1,4-Dichlorobenzene	204	**206**	**101**	63-134	
95-50-1	1,2-Dichlorobenzene	206	**239**	**116**	64-139	
5989-27-5	d-Limonene	208	**260**	**125**	63-137	
96-12-8	1,2-Dibromo-3-chloropropane	370	**445**	**120**	72-145	
120-82-1	1,2,4-Trichlorobenzene	388	**476**	**123**	62-154	
91-20-3	Naphthalene	198	**260**	**131**	62-156	
87-68-3	Hexachlorobutadiene	210	**194**	**92**	55-142	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210514-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/14/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**186**	**89**	71-112	
74-87-3	Chloromethane	206	**174**	**84**	53-126	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	216	**186**	**86**	62-121	
75-01-4	Vinyl Chloride	208	**194**	**93**	63-123	
106-99-0	1,3-Butadiene	210	**173**	**82**	63-135	
74-83-9	Bromomethane	212	**186**	**88**	71-112	
75-00-3	Chloroethane	204	**186**	**91**	66-117	
64-17-5	Ethanol	998	**857**	**86**	57-117	
75-05-8	Acetonitrile	202	**186**	**92**	59-131	
107-02-8	Acrolein	436	**394**	**90**	71-123	
67-64-1	Acetone	1,030	**974**	**95**	60-117	
75-69-4	Trichlorofluoromethane (CFC 11)	204	**187**	**92**	71-114	
67-63-0	2-Propanol (Isopropyl Alcohol)	408	**396**	**97**	61-124	
107-13-1	Acrylonitrile	410	**405**	**99**	65-130	
75-35-4	1,1-Dichloroethene	212	**183**	**86**	74-114	
75-09-2	Methylene Chloride	208	**185**	**89**	75-112	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	210	**196**	**93**	57-127	
76-13-1	Trichlorotrifluoroethane (CFC 113)	214	**185**	**86**	73-114	
75-15-0	Carbon Disulfide	428	**398**	**93**	70-113	
156-60-5	trans-1,2-Dichloroethene	212	**202**	**95**	76-119	
75-34-3	1,1-Dichloroethane	212	**194**	**92**	70-114	
1634-04-4	Methyl tert-Butyl Ether	212	**212**	**100**	72-118	
108-05-4	Vinyl Acetate	1,100	**684**	**62**	56-137	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210514-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/14/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
78-93-3	2-Butanone (MEK)	412	**397**	**96**	74-121	
156-59-2	cis-1,2-Dichloroethene	208	**196**	**94**	73-117	
110-54-3	n-Hexane	212	**232**	**109**	55-130	
67-66-3	Chloroform	214	**195**	**91**	71-114	
107-06-2	1,2-Dichloroethane	208	**195**	**94**	71-119	
71-55-6	1,1,1-Trichloroethane	206	**187**	**91**	73-119	
71-43-2	Benzene	204	**187**	**92**	72-113	
56-23-5	Carbon Tetrachloride	210	**187**	**89**	67-123	
78-87-5	1,2-Dichloropropane	206	**187**	**91**	70-118	
75-27-4	Bromodichloromethane	210	**192**	**91**	74-119	
79-01-6	Trichloroethene	206	**180**	**87**	74-115	
123-91-1	1,4-Dioxane	208	**199**	**96**	77-124	
10061-01-5	cis-1,3-Dichloropropene	210	**210**	**100**	81-126	
108-10-1	4-Methyl-2-pentanone	416	**417**	**100**	73-129	
10061-02-6	trans-1,3-Dichloropropene	202	**215**	**106**	80-127	
79-00-5	1,1,2-Trichloroethane	206	**187**	**91**	78-117	
108-88-3	Toluene	206	**181**	**88**	70-118	
591-78-6	2-Hexanone	404	**438**	**108**	74-132	
124-48-1	Dibromochloromethane	210	**196**	**93**	69-137	
106-93-4	1,2-Dibromoethane	208	**194**	**93**	76-128	
123-86-4	n-Butyl Acetate	406	**433**	**107**	75-134	
127-18-4	Tetrachloroethene	206	**155**	**75**	63-130	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2102180
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P210514-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/14/21
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	**Result µg/m³**	**% Recovery**	ALS Acceptance Limits	**Data Qualifier**
108-90-7	Chlorobenzene	206	**183**	**89**	70-118	
100-41-4	Ethylbenzene	206	**193**	**94**	71-123	
179601-23-1	m,p-Xylenes	412	**406**	**99**	67-127	
75-25-2	Bromoform	208	**197**	**95**	65-149	
100-42-5	Styrene	206	**197**	**96**	76-132	
95-47-6	o-Xylene	206	**198**	**96**	69-124	
111-84-2	n-Nonane	208	**194**	**93**	64-127	
79-34-5	1,1,2,2-Tetrachloroethane	206	**192**	**93**	69-128	
98-82-8	Cumene	208	**198**	**95**	69-125	
80-56-8	alpha-Pinene	214	**210**	**98**	68-129	
622-96-8	4-Ethyltoluene	210	**209**	**100**	69-127	
108-67-8	1,3,5-Trimethylbenzene	206	**202**	**98**	66-129	
95-63-6	1,2,4-Trimethylbenzene	204	**245**	**120**	63-142	
100-44-7	Benzyl Chloride	402	**488**	**121**	73-145	
541-73-1	1,3-Dichlorobenzene	206	**211**	**102**	67-136	
106-46-7	1,4-Dichlorobenzene	204	**186**	**91**	63-134	
95-50-1	1,2-Dichlorobenzene	206	**213**	**103**	64-139	
5989-27-5	d-Limonene	208	**235**	**113**	63-137	
96-12-8	1,2-Dibromo-3-chloropropane	370	**399**	**108**	72-145	
120-82-1	1,2,4-Trichlorobenzene	388	**429**	**111**	62-154	
91-20-3	Naphthalene	198	**231**	**117**	62-156	
87-68-3	Hexachlorobutadiene	210	**178**	**85**	55-142	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.