VERINA Engineering, P.C.

2020 PERIODIC REVIEW REPORT

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



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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 2020 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 2020 included:

- In-Situ Chemical Oxidation (ISCO) remedial system 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 volatile 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, the Department 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. This reports were submitted as part of the process in re-classifying the site from Class 2 to Class 4 in the NYSDEC's Registry of Inactive Hazardous Waste Disposal Sites in New York State in September 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 2020, 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

This 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 2020 is presented in Table 1.

During 2020, approximately 1,000 gallons of ISCO solution was injected into these wells in January and March. In February 2020, only 925 gallons was injected due to below freezing temperatures making it difficult to inject the total proposed 1,000 gallons. Then, after approval of the 2019 annual report by NYSDEC in April 2020, the target injection volume was reduced to 800 gallons per month and was instituted for the months of April - December 2020.

Since the November 1, 2011 initiation of the ISCO remediation, approximately 100,945 gallons of sodium permanganate solution have been injected into the subsurface at the site, including approximately 10,125 gallons injected during 2020. The 2020 manual injection logs are enclosed in Appendix A.

GROUNDWATER MONITORING PROGRAM

Site-Wide Groundwater Elevation Measurements

Groundwater elevation measurements were collected in September 2020, 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 2020 are summarized in Table 2. Groundwater elevation isocontour maps for the September 2020 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, which is consistent with historical measurements.

Baseline Groundwater Monitoring

Prior to the initiation of the ISCO remediation, baseline groundwater conditions were established by the March 2010 site-wide groundwater sampling event (ARCADIS 2011c). The monitoring points, MP-11, MP-12, MP-13, MP-14, and injection well, IJ-10, were sampled on October 28, 2011 to be part of the baseline groundwater conditions as they were installed after March 2010. The baseline groundwater samples were collected in accordance with the final In-Situ Chemical Oxidation Construction Package (ARCADIS 2011a). Details of the baseline groundwater sampling events are provided in the Groundwater Baseline Monitoring Report (ARCADIS 2011c). The baseline groundwater sampling results, as well as the historic sampling results, for PCE and its daughter products are summarized in Table 3.

In addition to the groundwater data collected during the baseline groundwater sampling events in March 2010 and October 2011, baseline field parameter data were collected from wells that were anticipated to show the arrival of injection solution within the first 90 days. Monitoring wells and points MP-4, MP-5, MP-6S, MP-6D, MW-7A, and injection wells IJ-1, IJ-4, and IJ-10 were used to establish the site baseline for field parameters. The field parameters collected included ORP, specific conductivity, and pH on October 31 and November 1, 2011 prior to initiation of ISCO infiltration. Field parameters were collected at 2-foot intervals using a down-hole water quality instrument at all selected monitoring wells and injection points except those points with 1" diameter casing. For the 1" diameter monitoring points, field parameters were recorded after one well volume was purged. Given that the water color was clear, no permanganate or manganese testing was conducted in the field. The baseline field parameters are provided in VERINA's 2017 Remedial Action Progress Report (RAPR) (VERINA 2018).

Post-Injection Groundwater Monitoring

Groundwater sampling occurred at both the source area and the Pilot Truck Stop area in September 2020 in accordance with the schedule presented in Table 4, which was included in VERINA'S 2019 RAPR (VERINA 2020).

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 or DR2800 colorimeter. A summary of the residual sodium permanganate groundwater concentrations is presented in Table 5.

Groundwater Sampling Analytical Results

Analytical results for PCE and its daughter products from the baseline through September 2020 sampling events are summarized in Table 3 and the results for the September 2020 sampling event are summarized on Table 6. The distribution of the PCE concentration in the shallow aquifer and in the intermediate aquifer detected during the September 2020 sampling event is 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 2020 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 2020 groundwater sampling event is included in Appendix C. The electronic data deliverables (EDDs) for this sampling event have been previously submitted to NYSDEC.

As indicated in Table 6, SSPL VOCs were detected above their respective NYSDEC Groundwater Quality Standards (GWQS) in wells MW-2, MW-3, MW-7A, MW-19, MW-27, MP-6S 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 2020 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 87% and 85%, 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 2020, 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 standards (Figure 10) were inspected once per month by VERINA in 2020. The monthly inspections indicated that the engineering controls were in good condition. VERINA's 2020 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 2020 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 2020 were generally consistent with the system data collected in 2019. 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 2020 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. 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 indoor air samples indicated that all detected compound concentrations were below their respective New York State Department of Health (NYSDOH) guidance values. The analytical results of the March 2020 indoor air sampling event are summarized in Table 7. Historical indoor air sampling results are presented in Table 8. A copy of the laboratory data package for the March 2020 indoor air sampling event is provided in Appendix F. The EDDs for the indoor air sampling event have previously been submitted to the NYSDEC .

CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

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

- 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 2019 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 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 2021:

- VERINA recommends continuing monthly manual injection events in 2021. The wells selected for 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 injection event.

- Based on review of the site data, ISCO injections will continue utilizing a 10% sodium permanganate solution in 2021, mixing and storing the solution in the AST at the site.

RECOMMENDATIONS FOR THE ASD SYSTEM & ENGINEERING CONTROLS

- In 2021, 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 2021.
- 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 MONITORING & SITE REPORTING

During 2021, VERINA will perform the following groundwater sampling and monitoring programs:

- VERINA will continue the annual groundwater monitoring program in September 2021 in accordance with the approved SMP (VERINA 2020b). The selected wells to be sampled during the annual groundwater sampling events are summarized in Table 4.
- Remedial action progress reporting will continue for the site in 2021 as follows:
  - One semi-annual progress report will be prepared and submitted in July 2021 to provide a brief update on the site conditions and will identify any significant occurrences, including a summary of the March indoor air sampling results.
  - The 2021 PRR along with IC/EC Certification will be submitted to NYSDEC in January 2022 and will include details of the activities performed and data collected in 2021 for the site. This report will also include conclusions and recommendations for future site activities in 2022.

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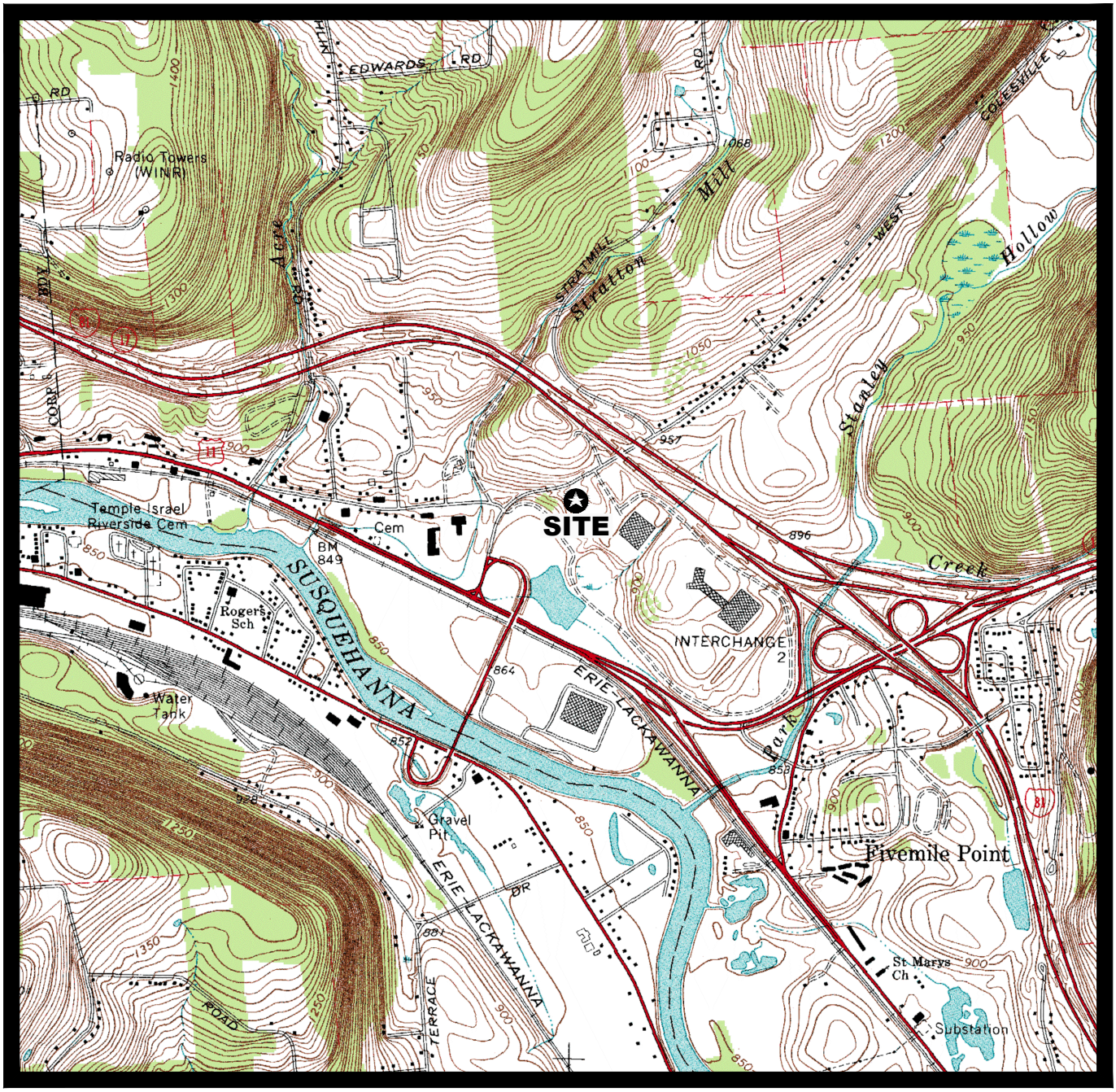
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Figures



BINGHAMTON EAST QUADRANGLE
7.5–MINUTE SERIES

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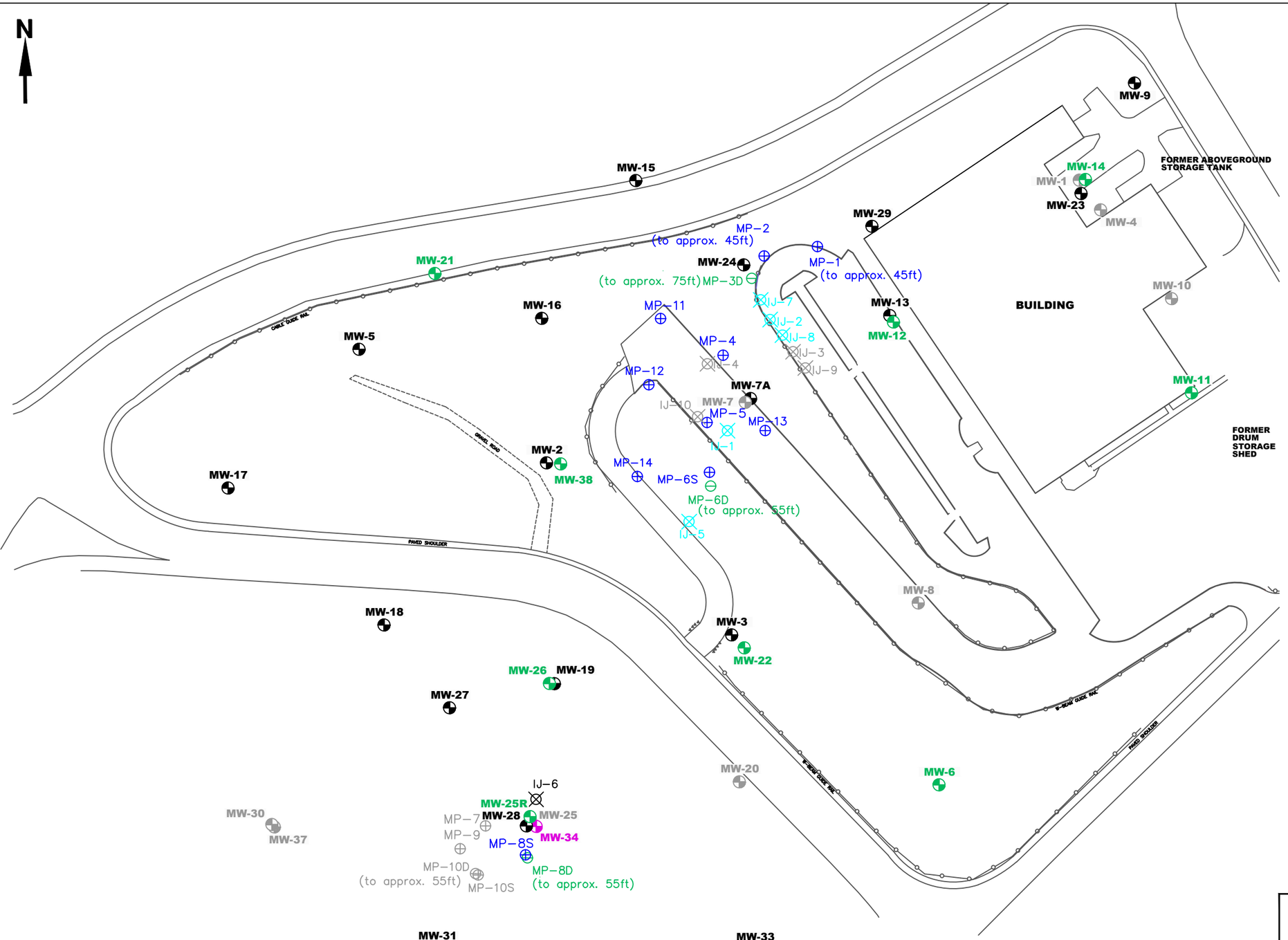
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APPROXIMATE SCALE

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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N

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
- 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 = 0.02 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 AQUIFER GROUNDWATER ELEVATION ISOCONTOURS SEPTEMBER 15, 2020

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N

MW-15
MW-21
NM
MW-5
MW-16
MW-24
MP-3D
874.06
MP-2
(to approx. 45ft)
(to approx. 75ft)
MP-1
(to approx. 45ft)
MW-29
MW-9
MW-14
876.08
MW-1
MW-23
MW-4
MW-10
MW-13
MW-12
874.02
BUILDING
MW-11
879.98
MP-11
MP-4
MP-12
MW-7A
MW-7
MP-5
MP-13
IJ-1
MW-2
MW-38
854.80
MP-14
MP-6S
MP-6D
865.83
(to approx. 55ft)
MW-17
MW-18
MW-3
MW-22
858.17
MW-26
844.53
MW-19
MW-27
MW-8
MW-20
MW-6
NM
IJ-6
MW-25
MW-25R
843.56
MW-28
MW-34
MW-30
MW-37
MP-7
MP-9
MP-8S
MP-8D
(to approx. 55ft)
MP-10S
MP-10D
(to approx. 55ft)
843.45
MW-31
MW-33
MW-35
MW-32
843.39
MW-39
843.44
MW-36

875.00
870.00
865.00
860.00
855.00
850.00

CABLE GUIDE RAIL
GRAVEL ROAD
PAVED SHOULDER

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 = # FT., MSL
AVERAGE HYDRAULIC GRADIENT = 0.03 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 15, 2020

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N

MW-15 ND
MW-21
MW-5 44 *
MW-16 3.5
MW-17 0.62
MW-18 ND
MW-27 0.75
MW-2 11
MW-38
MW-24 ND
MW-29 ND
MW-9 ND
MW-14
MW-1
MW-23 ND
MW-4
FORMER ABOVEGROUND STORAGE TANK
MW-10
MW-13 3.1
MW-12
BUILDING
MW-11
FORMER DRUM STORAGE SHED
MW-8
MW-3 5.6
MW-22
MW-26
MW-19 10
MW-20
MW-6
MW-30
MW-37
MW-25R
MW-28 ND
MW-25
MW-34
MW-31 ND
MW-32 ND
MW-35
MW-33 2.3
MW-36 ND
MW-39

MP-2 2.5 (to approx. 45ft)
MP-1 ND (to approx. 45ft)
(to approx. 75ft) MP-3D ND*
MP-11 ND
MP-4 2400
MP-12 ND
MP-7A 38
MP-7
MP-5 ND*
MP-13 ND
MP-14 6
MP-6S 360
MP-6D (to approx. 55ft)
MP-9
MP-8S ND
MP-10D (to approx. 55ft)
MP-10S
MP-8D (to approx. 55ft)

IJ-7 ND*
IJ-2 15 *
IJ-8
IJ-3
IJ-9
IJ-4
IJ-10
IJ-1
IJ-6

1000
100
10

CABLE DUCK RAIL
GRAVEL ROAD
PAVED SHOULDER
R-REAR GUIDE RAIL

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 2020

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N

MW-15
MW-21 ND
MW-5
MW-16
MW-24
MP-2 (to approx. 45ft)
MP-3D (to approx. 75ft) ND
MP-1 (to approx. 45ft)
MW-29
MW-9
MW-14 ND
MW-1
MW-23
FORMER ABOVEGROUND STORAGE TANK
MW-4
MW-10
MW-13
MW-12 ND
BUILDING
MW-11 ND
FORMER DRUM STORAGE SHED
CABLE GUIDE RAIL
GRAVEL ROAD
PAVED SHOULDER
MW-17
MW-2
MW-38 76
MP-11
MP-4
MP-12
MW-7A
MW-7
MP-5
MP-13
MP-14
MP-6S
MP-6D ND (to approx. 55ft)
IJ-7
IJ-2
IJ-8
IJ-3
IJ-9
IJ-4
IJ-10
IJ-1
IJ-5
MW-18
MW-3
MW-22 ND
MW-8
MW-26 11
MW-19
MW-27
10
5
IJ-6
MW-25
MW-25R ND
MW-20
MW-6 ND
MW-30
MW-37
MP-7
MP-9
MW-28
MW-34
MP-8S
MP-8D (to approx. 55ft)
MP-10D (to approx. 55ft)
MP-10S
1.9
MW-31
MW-33
MW-39 0.44
MW-35 ND
MW-32
MW-36

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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MONITORING WELLS OBTAINED FROM HULBERT ENGINEERING AND LAND SURVEYING, DPC, AUGUST 28, 2015 AND UPDATED ON MARCH 28, 2018 AND SEPTEMBER 30, 2019

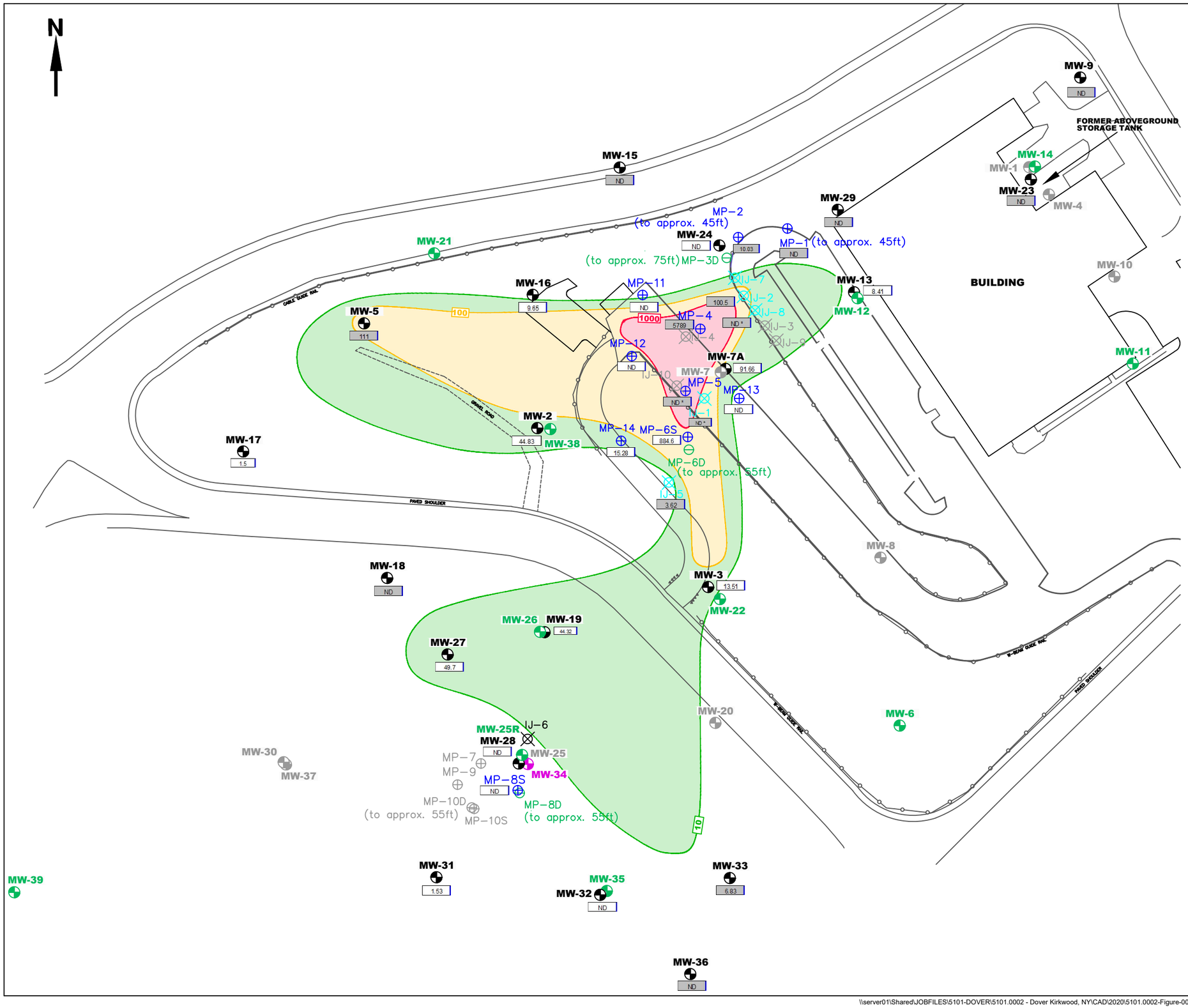
0 110 FT.
APPROXIMATE SCALE

FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

ESTIMATED PCE ISOCONCENTRATION MAP INTERMEDIATE AQUIFER SEPTEMBER 2020

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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
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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

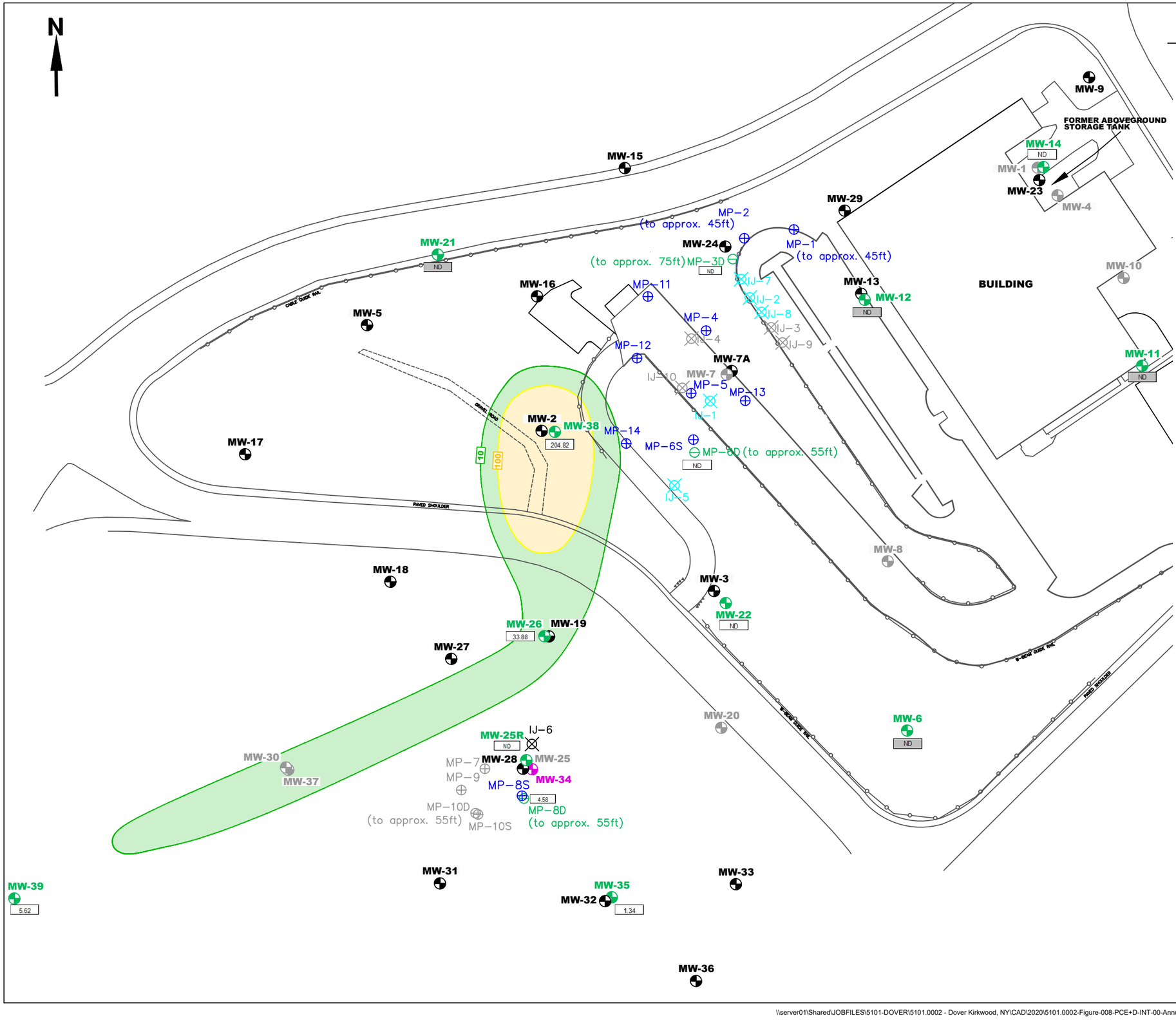
FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

ESTIMATED PCE AND DAUGHTER COMPOUND TOTAL MOLAR ISOCONCENTRATION MAP SHALLOW MOLAR SEPTEMBER 2020

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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* PREPARED BY HAWK ENGINEERING OF BINGHAMTON, NEW YORK
OCTOBER 7, 1996
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0 110 FT.
APPROXIMATE SCALE

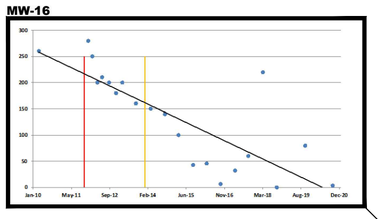
FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

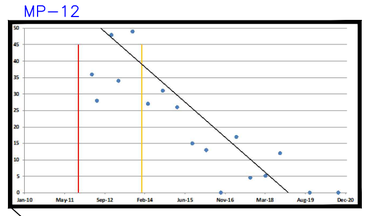
ESTIMATED PCE AND DAUGHTER COMPOUND TOTAL MOLAR ISOCONCENTRATION MAP INTERMEDIATE AQUIFER SEPTEMBER 2020

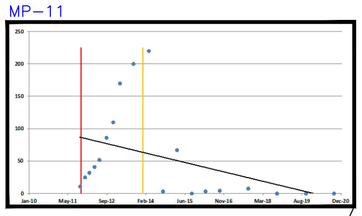
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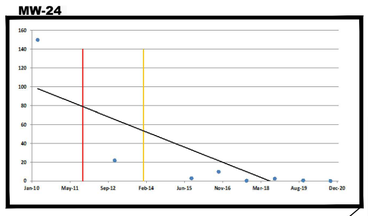
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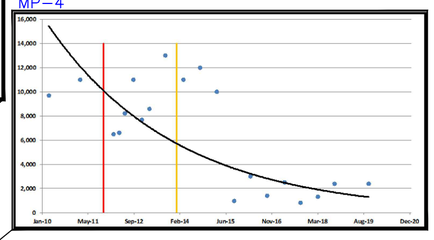
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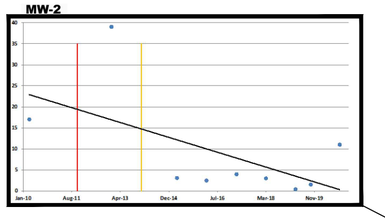


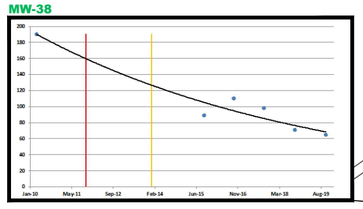


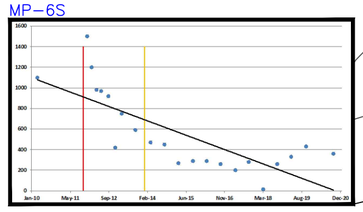


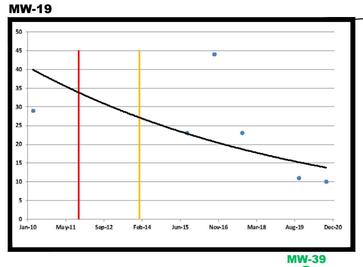


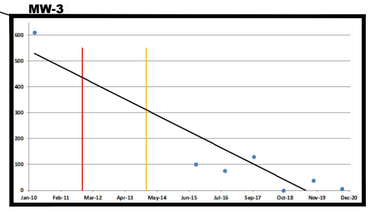


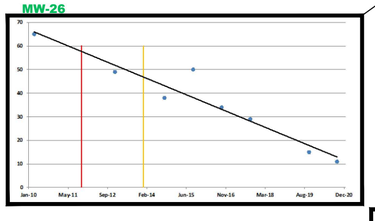


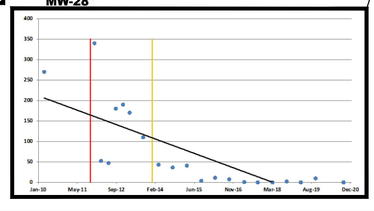


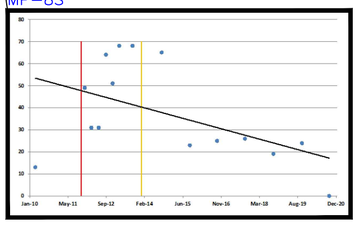


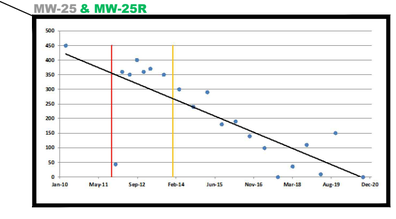


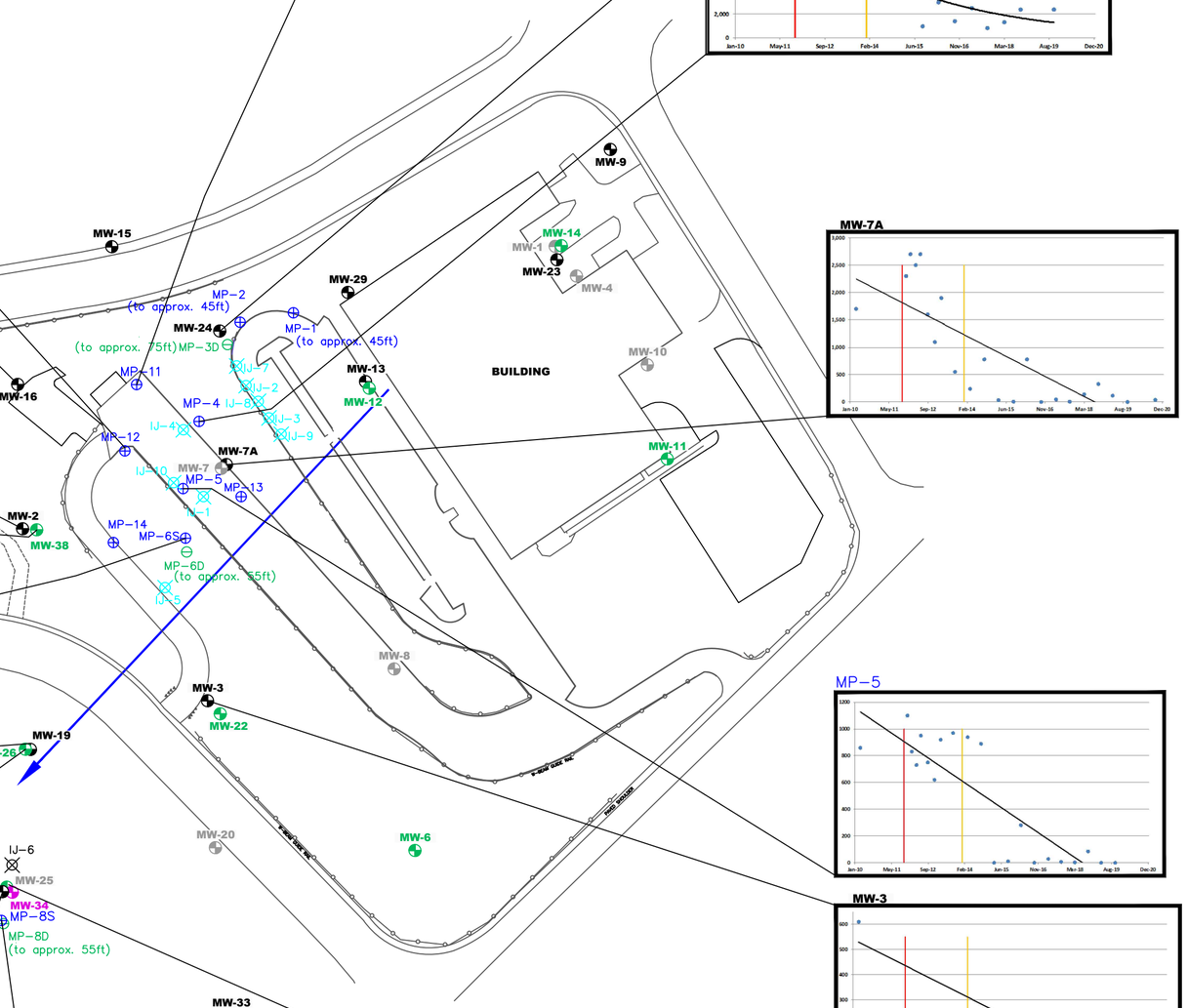












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EXPLANATION

- **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

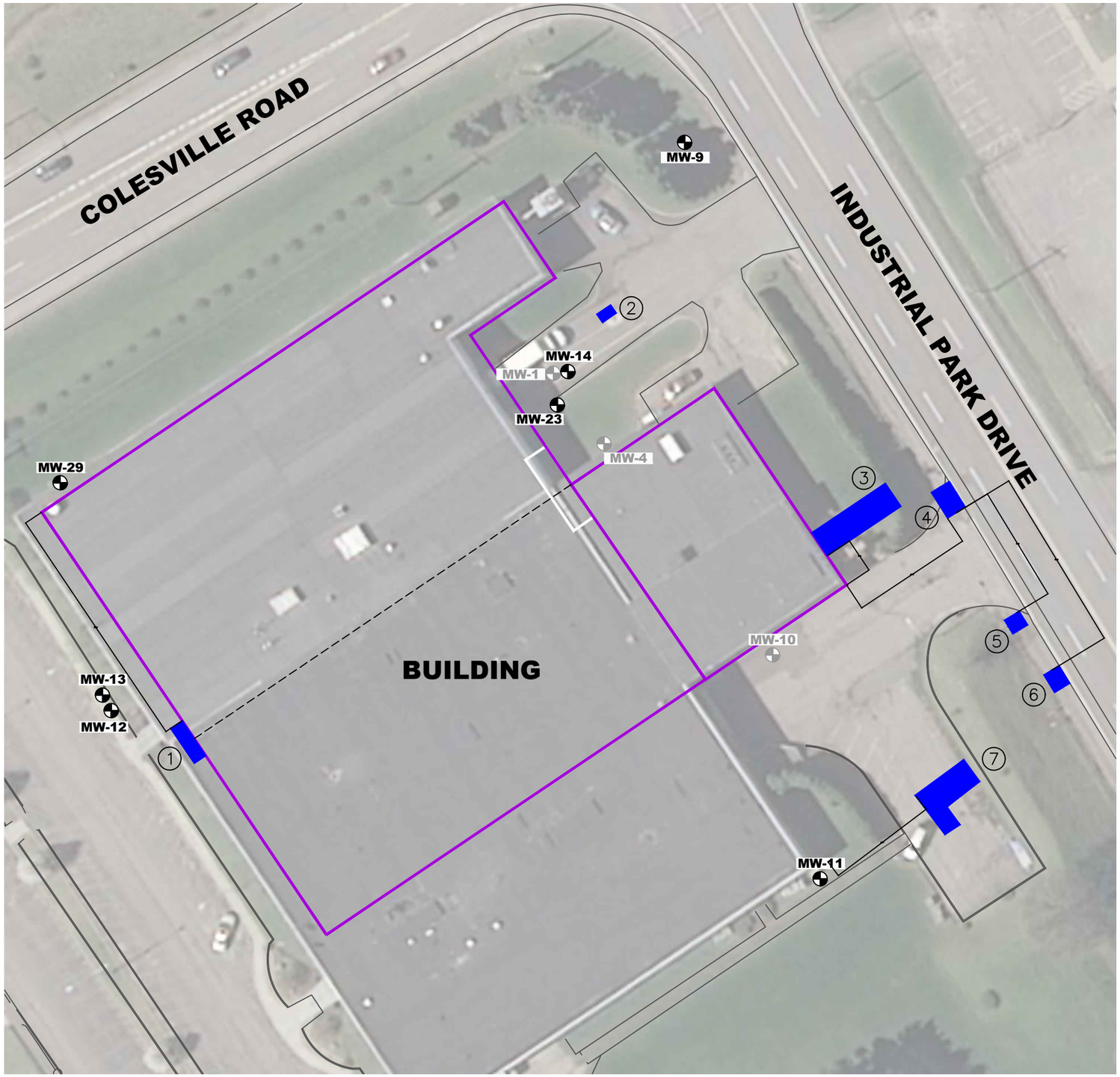
FORMER DOVER ELECTRONICS FACILITY
KIRKWOOD, NEW YORK

PCE TREND ANALYSIS IN SHALLOW AND INTERMEDIATE AQUIFERS

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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

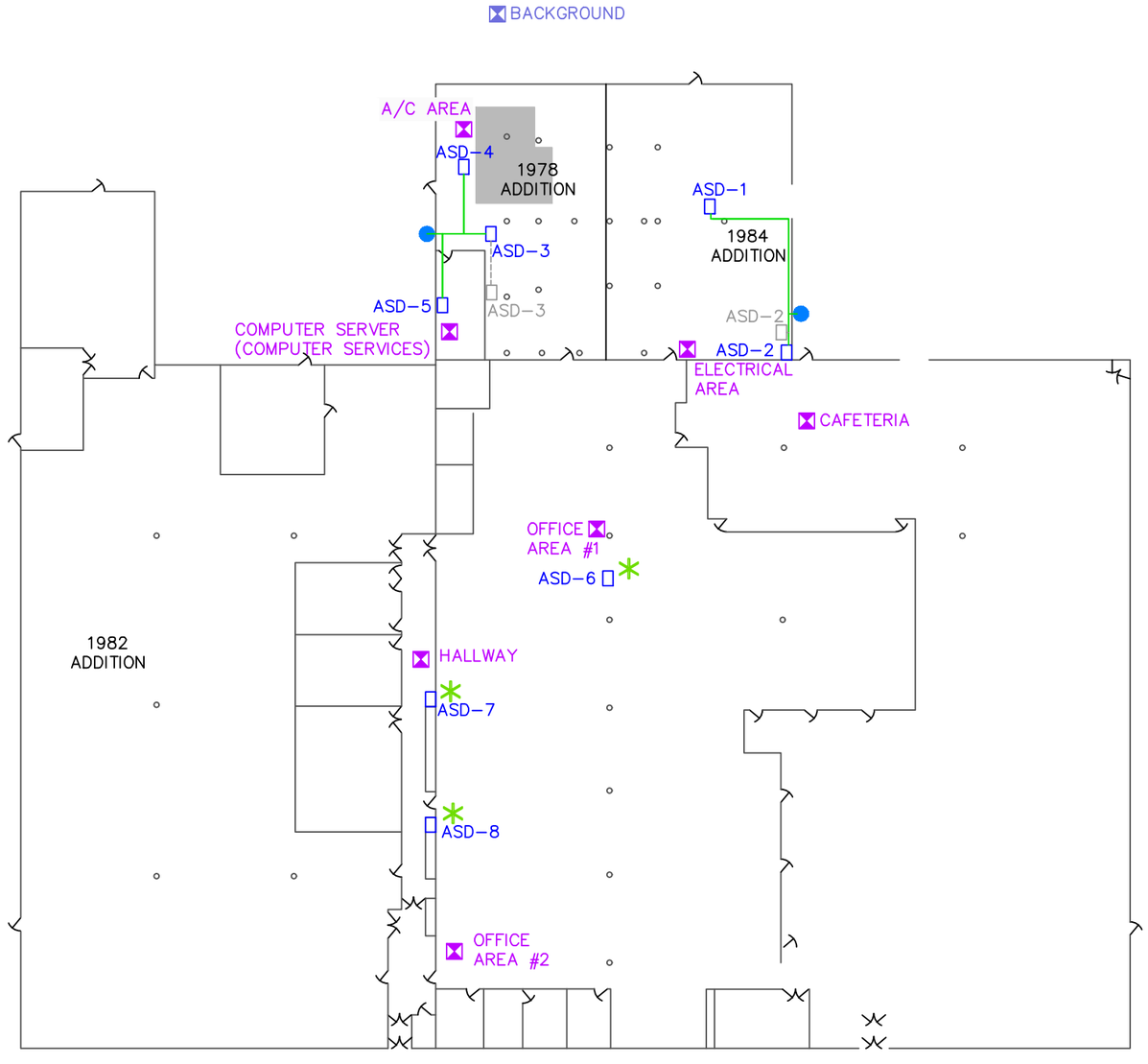
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KIRKWOOD, NEW YORK

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

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Tables

Table 1 ISCO Manual Injection Summary, January - December 2020 - Former Dover Electronics Site, Kirkwood, New York

Injection Well ID	Injection Date(s)											
	January 14-16, 2020	February 11-13, 2020	March 17-19, 2020	April 28-30, 2020	May 19-20, 2020	June 16-17, 2020	July 21-22, 2020	August 18-19, 2020	September 20-23, 2020	October 27-29, 2020	November 17-19, 2020	December 15-16, 2020
	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	30	30	30	40	30	35	30	30	25	20	30	25
MW-16	145	275	120	100	150	150	130	140	100	125	110	155
MW-24	45	50	65	55	45	45	50	40	35	60	40	55
MW-25R	145	5	60	25	35	5	0	15	0	100	40	5
MW-28	0	0	0	5	5	0	25	20	0	0	50	25
MP-4	25	15	35	50	20	30	20	15	20	10	20	25
MP-5	140	100	140	110	130	100	135	95	120	70	80	95
MP-8S	0	0	0	0	0	25	5	55	30	0	0	0
MP-11	30	0	35	55	25	30	30	20	20	25	35	30
MP-12	80	200	155	115	80	60	60	80	80	75	85	80
MP-14	125	85	130	45	120	105	85	80	110	75	65	75
IJ-1	80	45	75	51	55	60	55	60	80	45	70	60
IJ-2	50	45	50	70	40	45	15	55	45	50	50	50
IJ-5	5	0	5	15	5	10	10	5	5	5	5	10
IJ-6	60	45	55	25	50	60	60	60	80	70	70	50
IJ-7	40	10	15	15	10	35	35	20	35	45	35	40
IJ-8	0	20	30	24	0	5	55	10	15	25	15	20
Total Injected Volume (gal)	**1000**	**925**	**1000**	**800**	**800**	**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 2020, 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	9/15/2020	11.10	852.18	16.40	5-15	Shallow
MW-3	859.16	9/15/2020	5.87	853.29	14.23	5-15	Shallow
MW-5	864.68	9/15/2020	9.17	855.51	10.40	5-20	Shallow
MW-6	863.67	9/15/2020	-	-	-	15-35	Intermediate
MW-7A	882.74	9/15/2020	6.71	876.03	14.35	7-17	Shallow
MW-9	923.94	9/15/2020	45.76	878.18	61.30	30-60	Shallow
MW-11	918.87	9/15/2020	38.89	879.98	62.71	52-62	Intermediate
MW-12	912.31	9/15/2020	38.29	874.02	73.86	63-73	Intermediate
MW-13	912.14	9/15/2020	32.79	879.35	49.31	39-49	Shallow
MW-14	915.40	9/15/2020	39.32	876.08	72.49	62-72	Intermediate
MW-15	899.38	9/15/2020	-	-	-	36-46	Shallow
MW-16	878.87	9/15/2020	19.21	859.66	30.29	18-28	Shallow
MW-17	859.29	9/15/2020	13.81	845.48	20.26	8-18	Shallow
MW-18	857.34	9/15/2020	dry	-	12.72	8-18	Shallow
MW-19	859.59	9/15/2020	14.35	845.24	19.21	8-18	Shallow
MW-21	883.22	9/15/2020	-	-	-	31-41	Intermediate
MW-22	861.62	9/15/2020	3.45	858.17	22.40	17-22	Intermediate
MW-23	916.62	9/15/2020	38.71	877.91	51.29	40.5-50.5	Shallow
MW-24	907.66	9/15/2020	34.07	873.59	42.51	35-45	Shallow
MW-25R	856.91	9/15/2020	13.35	843.56	37.97	34-39	Intermediate
MW-26	859.04	9/15/2020	14.51	844.53	27.75	22.5-27.5	Intermediate
MW-27	860.01	9/15/2020	14.15	845.86	26.10	16.5-26.5	Shallow
MW-28	857.08	9/15/2020	25.20	831.88	10.10	15-25	Shallow
MW-29	917.36	9/15/2020	42.61	874.75	49.70	39-49	Shallow
MW-31	856.90	9/15/2020	13.15	843.75	21.45	13-23	Shallow
MW-32	861.18	9/15/2020	13.20	847.98	23.40	15.1-25.1	Shallow
MW-33	863.64	9/15/2020	14.10	849.54	22.66	15-25	Shallow
MW-34	857.03	9/15/2020	0.00	857.03	53.34	53-58	Deep
MW-35	856.89	9/15/2020	13.50	843.39	36.60	32-37	Intermediate
MW-36	857.19	9/15/2020	10.27	846.92	21.77	14-24	Shallow
MW-38	862.70	9/15/2020	7.90	854.80	23.85	20-25	Intermediate
MW-39	857.74	9/15/2020	14.30	843.44	47.70	42-47	Intermediate
MP-1	912.63	9/15/2020	36.63	876.00	27.51	31-41	Shallow
MP-2	911.00	9/15/2020	-	-	-	34-44	Shallow
MP-3D	910.59	9/15/2020	36.53	874.06	73.39	46-56	Intermediate
MP-4	883.65	9/15/2020	dry	-	8.09	17-27	Shallow
MP-5	881.66	9/15/2020	dry	-	11.79	14-24	Shallow
MP-6S	875.67	9/15/2020	12.05	863.62	25.03	14-24	Shallow
MP-6D	873.83	9/15/2020	8.00	865.83	43.50	39-49	Intermediate
MP-8S	857.40	9/15/2020	13.77	843.63	15.39	13-23	Shallow
MP-8D	857.20	9/15/2020	13.75	843.45	53.03	44-54	Intermediate
MP-11	875.80	9/15/2020	10.11	865.69	28.25	20-30	Shallow
MP-12	876.60	9/15/2020	17.45	859.15	23.07	15-25	Shallow
MP-13	884.30	9/15/2020	18.96	865.34	24.31	15-25	Shallow
MP-14	867.80	9/15/2020	10.58	857.22	20.91	15-25	Shallow
IJ-1	-	9/15/2020	13.80	-	23.34	15-25	Shallow
IJ-2	908.90	9/15/2020	28.48	880.42	44.38	30-45	Shallow
IJ-5	-	9/15/2020	6.27	-	25.55	10-25	Shallow
IJ-6	-	9/15/2020	13.50	-	34.57	10-20, 30-40	Shallow-Intermediate
IJ-7	909.00	9/15/2020	-	-	-	30-45	Shallow
IJ-8	909.20	9/15/2020	-	-	-	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 Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Method	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
	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		
MW-2	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
	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
MW-3	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
	11/13/1998	SSPL VOCs	14	<5.0	<5.0	ND
	09/21/2001	SSPL VOCs	12	<0.5	<0.5	<0.5
MW-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
	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
MW-6	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)
	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		
	04/01/2008			Phase III ISCO Field Test		
	07/24/2008			Phase III ISCO Field Test		
MW-7A	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

See notes on last page

Sample Location	Sampling Date	Method	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	21	<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
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
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

Sample Location	Sampling Date	Method	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
	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		
MW-16	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
	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
MW-17	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
	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
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MW-18	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
	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
MW-19	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
	11/10/1998	SSPL VOCs	9.3	<5.0	<5.0	ND
	02/04/1999	SSPL VOCs	12	<5.0	<5.0	ND
MW-20	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
	02/01/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
	03/12/1999	SSPL VOCs	<5.0	<5.0	<5.0	ND
MW-21	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
	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
MW-22	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
	11/18/1998	TAL/TCL	48	<50	<42	NA
	02/05/1999	SSPL VOCs	21	<5.0	<5.0	ND
MW-23	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

Table 3 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Method	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
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
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
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

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Table 3 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Method	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
	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		
MW-28	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
	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
MW-29	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
	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		
MW-30	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 3 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Method	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
	09/24/2019	SSPL VOCs	<1.0	<1.0	0.37 J	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	0.74 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
	09/25/2019	SSPL VOCs	<1.0	0.39 J	<1.0	<1.0
	09/15/2020	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

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Sample Location	Sampling Date	Method	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
	09/25/2019	SSPL VOCs	<1.0	<1.0	0.52 J	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	0.65 J	<1.0
MW-36	04/21/1999	SSPL VOCs	<5.0	<5.0	0.97 J	
	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
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

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Sample Location	Sampling Date	Method	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
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
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
	09/24/2019	SSPL VOCs	0.31 J	<1.0	0.55 J	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	<1.0	<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

See notes on last page

Sample Location	Sampling Date	Method	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
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
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)
	09/26/2019	SSPL VOCs	430	3.0	2.3 J	<2.5
	09/16/2020	SSPL VOCs	360	2.1 J	4.6 J	<2.5

See notes on last page

Table 3 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Method	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
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
	09/24/2019	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2020	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
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)
	09/25/2019	SSPL VOCs	24	30	78.4	0.68 J
	09/16/2020	SSPL VOCs	<1.0	<1.0	<1.0	<1.0

See notes on last page

Sample Location	Sampling Date	Method	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
	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		
MP-8D	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
	09/25/2019	SSPL VOCs	0.47 J	<1.0	<1.0	<1.0
	09/15/2020	SSPL VOCs	1.9	<1.0	<1.0	<1.0
	12/06/2001	SSPL VOCs	18	0.3J	2	<0.8
MP-9	01/31/2002	SSPL VOCs	5	0.2J	0.7	<0.5
	04/05/2002	SSPL VOCs	3	0.1J	0.7	<0.5
	12/06/2001	SSPL VOCs	1	<0.5	0.05J	<0.5
	01/30/2002	SSPL VOCs	1	0.03J	0.03J	<0.5
MP-10S	04/04/2002	SSPL VOCs	0.8	<0.5	0.06J	<0.5
	09/17/2002	SSPL VOCs	0.4J	<0.5	<0.5	<0.5
	03/27/2003	SSPL VOCs	<0.5	<0.5	<0.5	<0.5
	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
MP-10D	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
	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
MP-11	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
	09/24/2019	SSPL VOCs	<10	<10	<10	<10
	09/15/2020	SSPL VOCs	<10	<10	<10	<10
	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
MP-12	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
	09/24/2019	SSPL VOCs	<10	<10	<10	<10
	09/15/2020	SSPL VOCs	<10	<10	<10	<10

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Table 3 (Continued) Historical Groundwater Analytical Results, Former Dover Electronics Site, Kirkwood, New York

Sample Location	Sampling Date	Method	PCE (µg/L)	TCE (µg/L)	1,2-DCE Total (µg/L)	Vinyl Chloride (µg/L)
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
	09/24/2019	SSPL VOCs	<1.0	<1.0	<1.0	<1.0
	09/15/2020	SSPL VOCs	<1.0	<1.0	<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
	09/25/2019	SSPL VOCs	9.0	<1.0	<1.0	<1.0
	09/17/2020	SSPL VOCs	6.1	0.25 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

J = Estimated concentration

D = Dilution

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

PCE = Tetrachloroethene

< = Compound not detected above laboratory reporting limit given

TCE = Trichloroethene

NS = Not sampled

µg/L = Micrograms per liter

SSPL VOCs = Site specific parameter list volatile organic compounds

( ) = Data in parentheses indicates duplicate result

Table 4 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 5 2020 Residual Permanganate Concentrations, Former Dover Electronics Site, Kirkwood, New York

Monitoring Well ID	Water Bearing Unit	Permanganate Concentration September 2020 (mg/L)
MW-2	Shallow	NA
MW-3	Shallow	13.7
MW-5	Shallow	NS
MW-6	Intermediate	NS
MW-7A	Shallow	297.3
MW-9	Shallow	NS
MW-11	Intermediate	NS
MW-12	Intermediate	NS
MW-13	Shallow	NA
MW-14	Intermediate	NA
MW-15	Shallow	NS
MW-16	Shallow	211.4
MW-17	Shallow	NA
MW-18	Shallow	NS
MW-19	Shallow	NA
MW-21	Intermediate	NS
MW-22	Intermediate	NA
MW-23	Shallow	NS
MW-24	Shallow	198.7
MW-25/MW-25R	Intermediate	106.2
MW-26	Intermediate	NA
MW-27	Shallow	NA
MW-28	Shallow	NA
MW-29	Shallow	NS
MW-31	Shallow	NA
MW-32	Shallow	NA
MW-33	Shallow	NS
MW-34	Deep	NS
MW-35	Intermediate	NA
MW-36	Shallow	NS
MW-38	Intermediate	NA
MW-39	Intermediate	NA
MP-1	Shallow	NS
MP-2	Shallow	NS
MP-3D	Intermediate	NA
MP-4	Shallow	NS
MP-5	Shallow	NS
MP-6S	Shallow	NA
MP-6D	Intermediate	NA
MP-8S	Shallow	99.8
MP-8D	Intermediate	NA
MP-11	Shallow	141.8
MP-12	Shallow	376.6
MP-13	Shallow	74.6
MP-14	Shallow	86.7
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 6 Summary of SSPL VOC Groundwater Analytical Results – September 2020, Former Dover Electronics Site, Kirkwood, New York

Sample ID		MW-2 09162020	MW-3 09162020	MW-7A 09162020	MW-13 09172020	MW-14 09152020	MW-16 09162020
Laboratory ID		R2008604-004	R2008604-005	R2008604-002	R2008657-002	R2008512-010	R2008604-011
Date Sampled	NYSDEC	9/16/2020	9/16/2020	9/16/2020	9/17/2020	9/15/2020	9/16/2020
Units	GWQS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/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	4.0	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	11	5.6	38	3.1	1.0 U	3.5
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	4.4	1.0 U	1.0 U	0.41 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		MW-17 09162020	MW-19 09162020	DUP 09162020	MW-22 09172020	MW-24 09172020	MW-25R 09172020
Laboratory ID		R2008604-010	R2008604-009	R2008604-014	R2008657-003	R2008657-006	R2008657-004
Date Sampled	NYSDEC	9/16/2020	9/16/2020	9/16/2020	9/17/2020	9/17/2020	9/17/2020
Units	GWQS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/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	1.0 U	5.4	4.8	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	0.62 J	10	8.0	1.0 U	1.0 U	1.0 U
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	1.0 U	3.8	3.1	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	1.0 U	0.24 J	0.24 J	1.0 U	1.0 U	1.0 U

Sample ID		MW-26 09162020	MW-27 09172020	MW-28 09162020	MW-31 09152020	MW-32 09152020	MW-35 09152020
Laboratory ID		R2008604-006	R2008657-007	R2008604-010	R2008512-003	R2008512-006	R2008512-008
Date Sampled	NYSDEC	9/16/2020	9/17/2020	9/16/2020	9/15/2020	9/15/2020	9/15/2020
Units	GWQS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	5	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.9	22	5.0 U	0.74 J	1.0 U	0.65 J
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	11	0.75 J	5.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.5	1.1	5.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Sample ID		MW-38 09162020	MW-39 09152020	MP-3D 09152020	MP-6S 09162020	MP-6D 09152020	MP-8S 09162020
Laboratory ID		R2008604-008	R2008512-011	R2008512-009	R2008604-006	R2008512-004	R2008604-003
Date Sampled	NYSDEC	9/16/2020	9/15/2020	9/15/2020	9/16/2020	9/15/2020	9/16/2020
Units	GWQS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	3.7	1.0 U	1.0 U	2.4 J	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U
Tetrachloroethene	5	76	0.44 J	1.0 U	360	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U
Trichloroethene	5	5.9	2.0	1.0 U	2.1 J	1.0 U	1.0 U
Vinyl Chloride	2	0.25 J	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U

Sample ID		MP-8D 09152020	MP-11 09152020	MP-12 09152020	MP-13 09152020	MP-14 09172020	TB 09152020
Laboratory ID		R2008512-012	R2008512-002	R2008512-005	R2008512-007	R2008657-005	R2008512-001
Date Sampled	NYSDEC	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/17/2020	9/15/2020
Units	GWQS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	5	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.9	10 U	10 U	1.0 U	6.1	1.0 U
1,1,1-Trichloroethane	5	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	10 U	10 U	1.0 U	0.25 J	1.0 U
Vinyl Chloride	2	1.0 U	10 U	10 U	1.0 U	1.0 U	1.0 U

Sample ID		FB 09152020	TB 09162020	TB 09172020	FB 09172020
Laboratory ID		R2008512-013	R2008604-001	R2008657-001	R2008657-008
Date Sampled	NYSDEC	9/15/2020	9/16/2020	9/17/2020	9/17/2020
Units	GWQS	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	5	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
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

J = Estimated value

µg/l = micrograms per liter

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

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

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 2020 - Former Dover Electronics Site, Kirkwood, New York

Sample Location	Background				Office Area #1				Office Area #2			
Sampling Date	3/25/2020				3/25/2020				3/25/2020			
Laboratory Sample ID	P2001738-008				P2001738-002				P2001738-001			
Units	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q
Volatile Organic Compounds												
Dichlorodifluoromethane (Freon 12)	**0.49**		**2.4**		**0.59**		**2.9**		**0.60**		**3.0**	
Chloromethane	0.42	U	0.86	U	0.33	U	0.68	U	0.33	U	0.67	U
Freon 114	0.12	U	0.86	U	0.097	U	0.68	U	0.096	U	0.67	U
Vinyl Chloride	0.34	U	0.87	U	0.27	U	0.69	U	0.27	U	0.69	U
1,3-Butadiene	0.39	U	0.86	U	0.31	U	0.68	U	0.30	U	0.67	U
Bromomethane	0.23	U	0.87	U	0.18	U	0.69	U	0.18	U	0.69	U
Chloroethane	0.33	U	0.87	U	0.26	U	0.69	U	0.26	U	0.69	U
Ethanol	**7.7**		**15**		**41**		**78**		**57**		**110**	
Acetonitrile	0.51	U	0.86	U	0.40	U	0.68	U	0.40	U	0.67	U
Acrolein	0.71	U	1.6	U	**0.70**		**1.6**		0.55	U	1.3	U
Acetone	3.6	U	8.6	U	**6.5**		**15**		**4.8**		**11**	
Trichlorofluoromethane (Freon 11)	**0.25**		**1.4**		**1.9**		**10**		**1.7**		**9.7**	
2-Propanol (Isopropyl Alcohol)	1.4	U	3.4	U	**4.8**		**12**		**5.3**		**13**	
Acrylonitrile	0.40	U	0.86	U	0.31	U	0.68	U	0.31	U	0.67	U
1,1-Dichloroethene	0.22	U	0.87	U	0.17	U	0.69	U	0.17	U	0.69	U
Methylene Chloride	0.25	U	0.86	U	0.20	U	0.68	U	0.19	U	0.67	U
3-Chloro-1-propene (Allyl Chloride)	0.28	U	0.87	U	0.22	U	0.69	U	0.22	U	0.69	U
Trichlorotrifluoroethane (Freon 113)	0.11	U	0.87	U	0.090	U	0.69	U	0.090	U	0.69	U
Carbon Disulfide	0.57	U	1.8	U	0.45	U	1.4	U	0.45	U	1.4	U
trans-1,2-Dichloroethene	0.22	U	0.87	U	0.17	U	0.69	U	0.17	U	0.69	U
1,1-Dichloroethane	0.22	U	0.89	U	0.17	U	0.70	U	0.17	U	0.70	U
Methyl tert-Butyl Ether	0.24	U	0.87	U	0.19	U	0.69	U	0.19	U	0.69	U
Vinyl Acetate	2.5	U	8.7	U	2.0	U	6.9	U	1.9	U	6.9	U
2-Butanone (MEK)	**0.86**		**2.5**		**1.3**		**3.8**		**0.80**		**2.4**	
cis-1,2-Dichloroethene	0.22	U	0.86	U	0.17	U	0.68	U	0.17	U	0.67	U
n-Hexane	0.25	U	0.87	U	0.20	U	0.69	U	0.19	U	0.69	U
Chloroform	0.18	U	0.87	U	0.14	U	0.69	U	0.14	U	0.69	U
1,2-Dichloroethane	0.22	U	0.87	U	0.17	U	0.69	U	0.17	U	0.69	U
1,1,1-Trichloroethane	0.16	U	0.87	U	0.13	U	0.69	U	0.13	U	0.69	U
Benzene	0.27	U	0.86	U	0.21	U	0.68	U	0.21	U	0.67	U
Carbon Tetrachloride	**0.042**		**0.26**		**0.073**		**0.46**		**0.074**		**0.46**	
1,2-Dichloropropane	0.19	U	0.87	U	0.15	U	0.69	U	0.15	U	0.69	U
Bromodichloromethane	0.13	U	0.87	U	0.10	U	0.69	U	0.10	U	0.69	U
Trichloroethene (TCE)	0.033	U	0.18	U	0.026	U	0.14	U	0.026	U	0.14	U
1,4-Dioxane	0.24	U	0.87	U	0.19	U	0.69	U	0.19	U	0.69	U
cis-1,3-Dichloropropene	0.19	U	0.84	U	0.15	U	0.67	U	0.15	U	0.66	U
4-Methyl-2-pentanone	0.21	U	0.86	U	0.17	U	0.68	U	0.16	U	0.67	U
trans-1,3-Dichloropropene	0.19	U	0.86	U	0.15	U	0.68	U	0.15	U	0.67	U
1,1,2-Trichloroethane	0.16	U	0.87	U	0.13	U	0.69	U	0.13	U	0.69	U
Toluene	0.23	U	0.87	U	**0.45**		**1.7**		**0.67**		**2.5**	
2-Hexanone	0.21	U	0.87	U	0.17	U	0.69	U	0.17	U	0.69	U
Dibromochloromethane	0.10	U	0.87	U	0.081	U	0.69	U	0.081	U	0.69	U
1,2-Dibromoethane	0.11	U	0.87	U	0.09	U	0.69	U	0.089	U	0.69	U
n-Butyl Acetate	0.19	U	0.89	U	0.15	U	0.70	U	0.15	U	0.70	U
Tetrachloroethene (PCE)	0.12	U	0.84	U	**0.21**		**1.4**		**0.16**		**1.1**	
Chlorobenzene	0.19	U	0.87	U	0.15	U	0.69	U	0.15	U	0.69	U
Ethylbenzene	0.20	U	0.87	U	0.16	U	0.69	U	0.16	U	0.69	U
m,p-Xylenes	0.41	U	1.8	U	0.32	U	1.4	U	0.32	U	1.4	U
Bromoform	0.085	U	0.87	U	0.067	U	0.69	U	0.066	U	0.69	U
Styrene	0.20	U	0.86	U	0.16	U	0.68	U	0.16	U	0.67	U
o-Xylene	0.20	U	0.87	U	0.16	U	0.69	U	0.16	U	0.69	U
n-Nonane	0.17	U	0.87	U	0.13	U	0.69	U	0.13	U	0.69	U
1,1,2,2-Tetrachloroethane	0.13	U	0.87	U	0.10	U	0.69	U	0.10	U	0.69	U
Cumene	0.18	U	0.87	U	0.14	U	0.69	U	0.14	U	0.69	U
alpha-Pinene	0.16	U	0.87	U	0.12	U	0.69	U	0.12	U	0.69	U
4-Ethyltoluene	0.18	U	0.87	U	0.14	U	0.69	U	0.14	U	0.69	U
1,3,5-Trimethylbenzene	0.17	U	0.86	U	0.14	U	0.68	U	0.14	U	0.67	U
1,2,4-Trimethylbenzene	0.18	U	0.87	U	0.14	U	0.69	U	0.14	U	0.69	U
Benzyl Chloride	0.34	U	1.8	U	0.27	U	1.4	U	0.27	U	1.4	U
1,3-Dichlorobenzene	0.15	U	0.87	U	0.12	U	0.69	U	0.11	U	0.69	U
1,4-Dichlorobenzene	0.15	U	0.87	U	0.12	U	0.69	U	0.11	U	0.69	U
1,2-Dichlorobenzene	0.15	U	0.87	U	0.12	U	0.69	U	0.11	U	0.69	U
d-Limonene	0.16	U	0.87	U	**0.22**		**1.2**		**0.21**		**1.2**	
1,2-Dibromo-3-chloropropane	0.089	U	0.86	U	0.070	U	0.68	U	0.070	U	0.67	U
1,2,4-Trichlorobenzene	0.12	U	0.87	U	0.093	U	0.69	U	0.092	U	0.69	U
Naphthalene	0.16	U	0.84	U	0.13	U	0.67	U	0.13	U	0.66	U
Hexachlorobutadiene	0.081	U	0.86	U	0.064	U	0.68	U	0.063	U	0.67	U

Notes:

Bold = compound detected in sample

Red = 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 2020 - Former Dover Electronics Site, Kirkwood, New York

Sample Location	Cafeteria				Hallway				Computer Services			
Sampling Date	3/25/2020				3/25/2020				3/25/2020			
Laboratory Sample ID	P2001738-003				P2001738-007				P2001738-004			
Units	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q
Volatile Organic Compounds												
Dichlorodifluoromethane (Freon 12)	**0.69**		**3.4**		**1.3**		**6.3**		**0.80**		**4.0**	
Chloromethane	0.33	U	0.67	U	0.32	U	0.67	U	0.36	U	0.75	U
Freon 114	0.096	U	0.67	U	0.096	U	0.67	U	0.11	U	0.75	U
Vinyl Chloride	0.27	U	0.69	U	0.27	U	0.68	U	0.30	U	0.76	U
1,3-Butadiene	0.30	U	0.67	U	0.30	U	0.67	U	0.34	U	0.75	U
Bromomethane	0.18	U	0.69	U	0.18	U	0.68	U	0.20	U	0.76	U
Chloroethane	0.26	U	0.69	U	0.26	U	0.68	U	0.29	U	0.76	U
Ethanol	**40**		**76**		**110**		**200**		**140**		**270**	
Acetonitrile	0.40	U	0.67	U	0.40	U	0.67	U	0.45	U	0.75	U
Acrolein	**0.64**		**1.5**		0.55	U	1.3	U	0.62	U	1.4	U
Acetone	**5.4**		**13**		**8.2**		**19**		**7.8**		**18**	
Trichlorofluoromethane (Freon 11)	**1.7**		**9.3**		**1.6**		**8.7**		**1.1**		**6.4**	
2-Propanol (Isopropyl Alcohol)	**4.0**		**9.8**		**8**		**20**		**8.7**		**21**	
Acrylonitrile	0.31	U	0.67	U	0.31	U	0.67	U	0.34	U	0.75	U
1,1-Dichloroethene	0.17	U	0.69	U	0.17	U	0.68	U	0.19	U	0.76	U
Methylene Chloride	**0.33**		**1.1**		**0.29**		**1.0**		**0.32**		**1.1**	
3-Chloro-1-propene (Allyl Chloride)	0.22	U	0.69	U	0.22	U	0.68	U	0.24	U	0.76	U
Trichlorotrifluoroethane (Freon 113)	0.090	U	0.69	U	**0.092**		**0.71**		0.099	U	0.76	U
Carbon Disulfide	0.45	U	1.4	U	0.45	U	1.4	U	0.50	U	1.6	U
trans-1,2-Dichloroethene	0.17	U	0.69	U	0.17	U	0.68	U	0.19	U	0.76	U
1,1-Dichloroethane	0.17	U	0.70	U	0.17	U	0.69	U	0.19	U	0.78	U
Methyl tert-Butyl Ether	0.19	U	0.69	U	0.19	U	0.68	U	0.21	U	0.76	U
Vinyl Acetate	1.9	U	6.9	U	1.9	U	6.8	U	2.2	U	7.6	U
2-Butanone (MEK)	**0.84**		**2.5**		**1.2**		**3.6**		**1.2**		**3.5**	
cis-1,2-Dichloroethene	0.17	U	0.67	U	0.17	U	0.67	U	0.19	U	0.75	U
n-Hexane	0.19	U	0.69	U	0.19	U	0.68	U	0.22	U	0.76	U
Chloroform	0.14	U	0.69	U	0.14	U	0.68	U	0.16	U	0.76	U
1,2-Dichloroethane	0.17	U	0.69	U	0.17	U	0.68	U	0.19	U	0.76	U
1,1,1-Trichloroethane	0.13	U	0.69	U	0.12	U	0.68	U	0.14	U	0.76	U
Benzene	0.21	U	0.67	U	**0.42**		**1.3**		**0.29**		**0.92**	
Carbon Tetrachloride	**0.072**		**0.45**		**0.077**		**0.48**		**0.064**		**0.40**	
1,2-Dichloropropane	0.15	U	0.69	U	0.15	U	0.68	U	0.16	U	0.76	U
Bromodichloromethane	0.10	U	0.69	U	0.10	U	0.68	U	0.11	U	0.76	U
Trichloroethene (TCE)	0.026	U	0.14	U	0.026	U	0.14	U	0.029	U	0.16	U
1,4-Dioxane	0.19	U	0.69	U	0.19	U	0.68	U	0.21	U	0.76	U
cis-1,3-Dichloropropene	0.15	U	0.66	U	0.14	U	0.66	U	0.16	U	0.73	U
4-Methyl-2-pentanone	0.16	U	0.67	U	0.16	U	0.67	U	0.18	U	0.75	U
trans-1,3-Dichloropropene	0.15	U	0.67	U	0.15	U	0.67	U	0.16	U	0.75	U
1,1,2-Trichloroethane	0.13	U	0.69	U	0.12	U	0.68	U	0.14	U	0.76	U
Toluene	**0.26**		**0.97**		**1.3**		**5.0**		**0.85**		**3.2**	
2-Hexanone	0.17	U	0.69	U	0.17	U	0.68	U	0.19	U	0.76	U
Dibromochloromethane	0.081	U	0.69	U	0.08	U	0.68	U	0.089	U	0.76	U
1,2-Dibromoethane	0.089	U	0.69	U	0.089	U	0.68	U	0.099	U	0.76	U
n-Butyl Acetate	0.15	U	0.70	U	0.15	U	0.69	U	0.16	U	0.78	U
Tetrachloroethene (PCE)	**0.49**		**3.3**		**0.46**		**3.1**		**0.58**		**3.9**	
Chlorobenzene	0.15	U	0.69	U	0.15	U	0.68	U	0.17	U	0.76	U
Ethylbenzene	0.16	U	0.69	U	0.16	U	0.68	U	0.18	U	0.76	U
m,p-Xylenes	0.32	U	1.4	U	**0.45**		**1.9**		0.36	U	1.6	U
Bromoform	0.066	U	0.69	U	0.066	U	0.68	U	0.074	U	0.76	U
Styrene	0.16	U	0.67	U	0.16	U	0.67	U	0.18	U	0.75	U
o-Xylene	0.16	U	0.69	U	**0.20**		**0.88**		0.18	U	0.76	U
n-Nonane	0.13	U	0.69	U	0.13	U	0.68	U	0.15	U	0.76	U
1,1,2,2-Tetrachloroethane	0.10	U	0.69	U	0.099	U	0.68	U	0.11	U	0.76	U
Cumene	0.14	U	0.69	U	0.14	U	0.68	U	0.15	U	0.76	U
alpha-Pinene	0.12	U	0.69	U	**0.75**		**4.2**		**0.28**		**1.6**	
4-Ethyltoluene	0.14	U	0.69	U	0.14	U	0.68	U	0.15	U	0.76	U
1,3,5-Trimethylbenzene	0.14	U	0.67	U	0.14	U	0.67	U	0.15	U	0.75	U
1,2,4-Trimethylbenzene	0.14	U	0.69	U	0.14	U	0.68	U	0.15	U	0.76	U
Benzyl Chloride	0.27	U	1.4	U	0.27	U	1.4	U	0.30	U	1.6	U
1,3-Dichlorobenzene	0.11	U	0.69	U	0.11	U	0.68	U	0.13	U	0.76	U
1,4-Dichlorobenzene	0.11	U	0.69	U	0.11	U	0.68	U	0.13	U	0.76	U
1,2-Dichlorobenzene	0.11	U	0.69	U	0.11	U	0.68	U	0.13	U	0.76	U
d-Limonene	**0.15**		**0.85**		**1.7**		**9.4**		**0.77**		**4.3**	
1,2-Dibromo-3-chloropropane	0.070	U	0.67	U	0.069	U	0.67	U	0.077	U	0.75	U
1,2,4-Trichlorobenzene	0.092	U	0.69	U	0.092	U	0.68	U	0.10	U	0.76	U
Naphthalene	0.13	U	0.66	U	0.13	U	0.66	U	0.14	U	0.73	U
Hexachlorobutadiene	0.063	U	0.67	U	0.063	U	0.67	U	0.070	U	0.75	U

Notes:

Bold = compound detected in sample

Red = 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 2020 - Former Dover Electronics Site, Kirkwood, New York

Sample Location	A/C Area				Electrical Area			
Sampling Date	3/25/2020				3/25/2020			
Laboratory Sample ID	P2001738-005				P2001738-006			
Units	ppbv	Q	µg/m³	Q	ppbv	Q	µg/m³	Q
Volatile Organic Compounds								
Dichlorodifluoromethane (Freon 12)	**0.67**		**3.3**		**0.67**		**3.3**	
Chloromethane	0.32	U	0.66	U	0.32	U	0.66	U
Freon 114	0.095	U	0.66	U	0.095	U	0.66	U
Vinyl Chloride	0.26	U	0.68	U	0.26	U	0.68	U
1,3-Butadiene	0.30	U	0.66	U	0.30	U	0.66	U
Bromomethane	0.17	U	0.68	U	0.17	U	0.68	U
Chloroethane	0.26	U	0.68	U	0.26	U	0.68	U
Ethanol	**110**		**210**		**100**		**200**	
Acetonitrile	0.39	U	0.66	U	0.39	U	0.66	U
Acrolein	**0.81**		**1.8**		**0.61**		**1.4**	
Acetone	**7.9**		**19**		**5.4**		**13**	
Trichlorofluoromethane (Freon 11)	**1.7**		**9.5**		**1.4**		**7.8**	
2-Propanol (Isopropyl Alcohol)	**10**		**25**		**7.3**		**18**	
Acrylonitrile	0.31	U	0.66	U	0.31	U	0.66	U
1,1-Dichloroethene	0.17	U	0.68	U	0.17	U	0.68	U
Methylene Chloride	**0.53**		**1.8**		**0.24**		**0.84**	
3-Chloro-1-propene (Allyl Chloride)	0.22	U	0.68	U	0.22	U	0.68	U
Trichlorotrifluoroethane (Freon 113)	0.088	U	0.68	U	**0.096**		**0.74**	
Carbon Disulfide	0.44	U	1.4	U	0.44	U	1.4	U
trans-1,2-Dichloroethene	0.17	U	0.68	U	0.17	U	0.68	U
1,1-Dichloroethane	0.17	U	0.69	U	0.17	U	0.69	U
Methyl tert-Butyl Ether	0.19	U	0.68	U	0.19	U	0.68	U
Vinyl Acetate	**2.3**	V	**7.9**	V	1.9	U	6.8	U
2-Butanone (MEK)	**1.3**		**3.8**		**0.91**		**2.7**	
cis-1,2-Dichloroethene	0.17	U	0.66	U	0.17	U	0.66	U
n-Hexane	0.19	U	0.68	U	0.19	U	0.68	U
Chloroform	0.14	U	0.68	U	0.14	U	0.68	U
1,2-Dichloroethane	0.17	U	0.68	U	0.17	U	0.68	U
1,1,1-Trichloroethane	0.12	U	0.68	U	0.12	U	0.68	U
Benzene	0.21	U	0.66	U	**0.24**		**0.75**	
Carbon Tetrachloride	**0.069**		**0.43**		**0.073**		**0.46**	
1,2-Dichloropropane	0.15	U	0.68	U	0.15	U	0.68	U
Bromodichloromethane	0.10	U	0.68	U	0.10	U	0.68	U
Trichloroethene (TCE)	0.026	U	0.14	U	0.026	U	0.14	U
1,4-Dioxane	0.19	U	0.68	U	0.19	U	0.68	U
cis-1,3-Dichloropropene	0.14	U	0.65	U	0.14	U	0.65	U
4-Methyl-2-pentanone	0.16	U	0.66	U	0.16	U	0.66	U
trans-1,3-Dichloropropene	0.15	U	0.66	U	0.15	U	0.66	U
1,1,2-Trichloroethane	0.12	U	0.68	U	0.12	U	0.68	U
Toluene	**0.57**		**2.2**		**0.57**		**2.2**	
2-Hexanone	0.16	U	0.68	U	0.16	U	0.68	U
Dibromochloromethane	0.079	U	0.68	U	0.079	U	0.68	U
1,2-Dibromoethane	0.088	U	0.68	U	0.088	U	0.68	U
n-Butyl Acetate	0.14	U	0.69	U	0.14	U	0.69	U
Tetrachloroethene (PCE)	**0.48**		**3.2**		**0.36**		**2.5**	
Chlorobenzene	0.15	U	0.68	U	0.15	U	0.68	U
Ethylbenzene	0.16	U	0.68	U	0.16	U	0.68	U
m,p-Xylenes	0.32	U	1.4	U	0.32	U	1.4	U
Bromoform	0.065	U	0.68	U	0.065	U	0.68	U
Styrene	0.16	U	0.66	U	0.16	U	0.66	U
o-Xylene	0.16	U	0.68	U	0.16	U	0.68	U
n-Nonane	0.13	U	0.68	U	0.13	U	0.68	U
1,1,2,2-Tetrachloroethane	0.098	U	0.68	U	0.098	U	0.68	U
Cumene	0.14	U	0.68	U	0.14	U	0.68	U
alpha-Pinene	0.12	U	0.68	U	0.12	U	0.68	U
4-Ethyltoluene	0.14	U	0.68	U	0.14	U	0.68	U
1,3,5-Trimethylbenzene	0.13	U	0.66	U	0.13	U	0.66	U
1,2,4-Trimethylbenzene	0.14	U	0.68	U	0.14	U	0.68	U
Benzyl Chloride	0.27	U	1.4	U	0.27	U	1.4	U
1,3-Dichlorobenzene	0.11	U	0.68	U	0.11	U	0.68	U
1,4-Dichlorobenzene	0.11	U	0.68	U	0.11	U	0.68	U
1,2-Dichlorobenzene	0.11	U	0.68	U	0.11	U	0.68	U
d-Limonene	0.12	U	0.68	U	0.12	U	0.68	U
1,2-Dibromo-3-chloropropane	0.069	U	0.66	U	0.069	U	0.66	U
1,2,4-Trichlorobenzene	0.091	U	0.68	U	0.091	U	0.68	U
Naphthalene	0.12	U	0.65	U	0.12	U	0.65	U
Hexachlorobutadiene	0.062	U	0.66	U	0.062	U	0.66	U

Notes:

Bold = compound detected in sample

Red = 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 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	-	-	-
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	-	-	-	-

See Notes on last page

Table 8 (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	-	-	-
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	-	-	-

See Notes on last page

Table 8 (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	-	-	-
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-20	3.1	-	-	-

See Notes on last page

Table 8 (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	-	-	-
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	-	-	-	-

Notes:

- = Non-detect

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

Appendix A

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, CJP

Weather: Partly cloudy-sunny, breezy, 35-45 F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	1/14/2020	1/14/2020	1/15/2020	1/15/2020	1/16/2020			**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	80	5	5	10	5	5			**30**	**3.90**	
MW-16	120					145			**145**	**15.49**	
MW-24	20	15	5	10	10	5			**45**	**34.10**	
MW-25R	120		120		25				**145**	**11.33**	
MW-28	40								**0**	**9.38**	
MP-4	200	10	5		5	5			**25**	**7.37**	
MP-5	100	25	25	25	60	5			**140**	**11.94**	
MP-8S	60								**0**		Parked over all week
MP-11	15	5	5	10	5	5			**30**	**8.00**	
MP-12	15			80					**80**	**11.53**	
MP-14	20	25	25	25	45	5			**125**	**7.36**	
IJ-1	50	20	10	20	15	15			**80**	**12.53**	
IJ-2	60	40			5	5			**50**	**28.48**	
IJ-5	5	5							**5**	**2.71**	
IJ-6	60	20		20	20				**60**	**11.61**	
IJ-7	25	30			5	5			**40**	**18.82**	
IJ-8	10								**0**	**2.35**	Water level too high to inject
Total Injected Volume	**1000**	**200**	**200**	**200**	**200**	**200**			**1000**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, CJP

Weather: Cloudy, cold, rain and snow, 30-40 F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		2/11/2020	2/11/2020	2/12/2020	2/12/2020	2/13/2020			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	80	10	5	5	10				**30**	**5.54**	
MW-16	120			150		125			**275**	**14.54**	
MW-24	20	20	5	5	20				**50**	**33.23**	
MW-25R	120	5							**5**	**4.76**	
MW-28	40								**0**		
MP-4	200	5		5	5				**15**	**6.48**	
MP-5	100	35	25	5	40				**105**	**11.19**	
MP-8S	60								**0**		
MP-11	15								**0**		Under ice/snow pile
MP-12	15		130		70				**200**	**9.79**	
MP-14	20	25	25	5	25				**80**	**1.54**	
IJ-1	50	15	5	10	15				**45**	**11.45**	
IJ-2	60	40			5				**45**	**28.33**	
IJ-5	5								**0**	**0.92**	Water level too high to inject
IJ-6	60	15	5	15	10				**45**	**11.30**	
IJ-7	25	10							**10**	**8.12**	
IJ-8	10	20							**20**	**12.08**	
Total Injected Volume	**1000**	**200**	**200**	**200**	**200**	**125**			**925**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, CJP

Weather: Cloudy, rainy, cold, 35-45 F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	3/17/2020	3/18/2020	3/18/2020	3/19/2020	3/19/2020			**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	80	5	5	10	5	5			**30**		
MW-16	120				120				**120**		
MW-24	20	15	15	15	10	10			**65**		
MW-25R	120		40			20			**60**		
MW-28	40								**0**		Water level too high to inject
MP-4	200	10	5	10	5	5			**35**		
MP-5	100	25	30	25	10	50			**140**		
MP-8S	60								**0**		
MP-11	15	10	5	10	5	5			**35**		
MP-12	15		40	95		20			**155**		
MP-14	20	20	25	25	10	50			**130**		
IJ-1	50	20	20	5	20	10			**75**		
IJ-2	60	40				10			**50**		
IJ-5	5					5			**5**		
IJ-6	60	15	15	5	15	5			**55**		
IJ-7	25	15							**15**		
IJ-8	10	25				5			**30**		
Total Injected Volume	**1000**	**200**	**200**	**200**	**200**	**200**			**1000**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: RPW, CJP

Weather: 40-60 F, Cloudy

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	4/28/2020	4/28/2020	4/29/2020	4/29/2020	4/30/2020			**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**	**5.59**	
MW-16	75					100			**100**	**15.25**	
MW-24	25	20	10	25					**55**	**33.11**	
MW-25R	75		10	10	5				**25**		Recharge extremely slow, needs repair/redevelopment
MW-28	75		5						**5**	**6.83**	Recharge extremely slow, needs repair/redevelopment
MP-4	75	15	15	10	10				**50**	**7.09**	
MP-5	50	35	40	25	10				**110**	**11.51**	
MP-8S	25								**0**		Unable to access
MP-11	50	10	20	25					**55**	**7.77**	
MP-12	25	25	60	30					**115**	**11.43**	
MP-14	25	5	20	20					**45**	**6.65**	
IJ-1	75	16		20	15				**51**	**11.82**	
IJ-2	25	40			30				**70**	**28.90**	
IJ-5	25		5	5	5				**15**	**1.98**	
IJ-6	25			20	5				**25**	**11.40**	
IJ-7	50	10			5				**15**	**7.35**	
IJ-8	50	14			10				**24**	**9.41**	
Total Injected Volume	**800**	**200**	**200**	**200**	**100**	**100**			**800**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, RDA

Weather: Clear skies, 60s F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	5/19/2020	5/19/2020	5/20/2020	5/20/2020				**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	10	5				**30**	**5.99**	
MW-16	75				150				**150**	**11.29**	
MW-24	25	10	15	15	5				**45**	**32.50**	
MW-25R	75		30	5					**35**	**10.91**	
MW-28	75			5					**5**	**7.86**	
MP-4	75	5	5	5	5				**20**	**7.07**	
MP-5	50	25	55	50					**130**	**11.59**	
MP-8S	25								**0**		Parked over all week
MP-11	50	5	10	5	5				**25**	**7.85**	
MP-12	25	60		20					**80**	**11.56**	
MP-14	25	25	50	40	5				**120**	**8.74**	
IJ-1	75	15	10	20	10				**55**	**11.94**	
IJ-2	25	40							**40**	**25.27**	
IJ-5	25			5					**5**	**1.12**	
IJ-6	25		15	20	15				**50**	**11.13**	
IJ-7	50	10							**10**	**5.18**	
IJ-8	50								**0**	**2.26**	Water level too high to inject
Total Injected Volume	**800**	**200**	**200**	**200**	**200**	**0**			**800**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, CJP

Weather: Sunny, warm-hot, 70-85 F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	6/16/2020	6/16/2020	6/17/2020	6/17/2020				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	10	5				**35**	**6.23**	
MW-16	75				150				**150**	**17.82**	
MW-24	25	15	10	15	5				**45**	**31.25**	
MW-25R	75			5					**5**	**12.21**	
MW-28	75								**0**	**1.97**	Water level too high to inject
MP-4	75	10	5	10	5				**30**	**8.10**	
MP-5	50	25	50	25					**100**	**11.81**	
MP-8S	25			25					**25**	**12.94**	
MP-11	50	5	10	10	5				**30**	**9.81**	
MP-12	25		45	15					**60**	**15.49**	
MP-14	25	25	50	25	5				**105**	**9.23**	
IJ-1	75	20	10	20	10				**60**	**12.71**	
IJ-2	25	40		5					**45**	**11.86**	
IJ-5	25	5			5				**10**	**12.21**	
IJ-6	25	20	10	20	10				**60**	**12.38**	
IJ-7	50	25		10					**35**	**18.87**	
IJ-8	50			5					**5**	**29.13**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, RDA

Weather: Sunny, warm-hot, 90 F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		7/21/2020	7/21/2020	7/22/2020	7/22/2020				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	10	5				**30**	**6.23**	
MW-16	75				130				**130**	**17.82**	
MW-24	25	10	15	15	10				**50**	**31.25**	
MW-25R	75								**0**	**12.21**	
MW-28	75	5	10	10					**25**	**1.97**	
MP-4	75	5	5	5	5				**20**	**8.10**	
MP-5	50	25	50	50	10				**135**	**11.81**	
MP-8S	25	5							**5**	**12.94**	
MP-11	50	5	10	10	5				**30**	**9.81**	
MP-12	25	15	45						**60**	**15.49**	
MP-14	25	10	25	40	10				**85**	**9.23**	
IJ-1	75		20	20	15				**55**	**12.71**	
IJ-2	25	15							**15**	**11.86**	
IJ-5	25	5		5					**10**	**12.21**	
IJ-6	25	20	10	20	10				**60**	**12.38**	
IJ-7	50	30		5					**35**	**18.87**	
IJ-8	50	45		10					**55**	**29.13**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, RDA

Weather: Sunny, warm, 65-80 F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	8/18/2020	8/18/2020	8/19/2020	8/19/2020				**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	10	5				**30**	**4.29**	
MW-16	75				140				**140**		Forgot to gauge before injection
MW-24	25	5	15	15	5				**40**	**29.59**	
MW-25R	75	5		10					**15**	**12.07**	
MW-28	75	5	5	10					**20**	**0.14**	Recharge extremely slow, needs repair/redevelopment
MP-4	75		5	5	5				**15**	**7.79**	
MP-5	50	25	25	40	5				**95**		Dry well
MP-8S	25	5	25	25					**55**	**12.71**	
MP-11	50	5	10		5				**20**	**2.20**	
MP-12	25		60	20					**80**	**14.61**	
MP-14	25	25	25	25	5				**80**	**9.42**	
IJ-1	75	20	10	20	10				**60**	**12.56**	
IJ-2	25	45			10				**55**	**28.51**	
IJ-5	25	5							**5**	**3.91**	
IJ-6	25	20	10	20	10				**60**	**12.23**	
IJ-7	50	20							**20**	**15.24**	
IJ-8	50	10							**10**	**6.46**	
Total Injected Volume	**800**	**200**	**200**	**200**	**200**				**800**		

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SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, CJP

Weather: Sun and clouds, 45-65 F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	9/20/2020	9/20/2020	9/21/2020	9/21/2020	9/21/2020	9/23/2020	9/23/2020	**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	5	5		5	5	**25**		
MW-16	75					100			**100**		
MW-24	25		15	5	5		5	5	**35**		
MW-25R	75								**0**		
MW-28	75								**0**		
MP-4	75		5	5			5	5	**20**		
MP-5	50	10	25	25	50		5	5	**120**		
MP-8S	25						30		**30**		
MP-11	50		5	5			5	5	**20**		
MP-12	25			10	20			50	**80**		
MP-14	25		25	25	50		5	5	**110**		
IJ-1	75	20		20	10		20	10	**80**		
IJ-2	25	45							**45**		
IJ-5	25			5					**5**		
IJ-6	25		20	20	10		20	10	**80**		
IJ-7	50	35							**35**		
IJ-8	50	15							**15**		
Total Injected Volume	**800**	**125**	**100**	**125**	**150**	**100**	**100**		**800**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, KEG

Weather: Cloudy, rainy, 40s F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		10/27/2020	10/27/2020	10/27/2020	10/28/2020	10/28/2020	10/29/2020		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	5	5	5			**20**	**6.42**	
MW-16	75						125		**125**	**21.65**	
MW-24	25	15		15	15	15			**60**	**34.17**	
MW-25R	75		70		30				**100**	**14.05**	
MW-28	75								**0**	**0.00**	Water level too High to Inject
MP-4	75		5			5			**10**		Dry well, total depth = 8.48
MP-5	50		5	25	25	15			**70**		Dry well, total depth = 12.00
MP-8S	25								**0**		Parked over all week
MP-11	50		10	5	5	5			**25**	**10.76**	
MP-12	25			55		20			**75**	**17.68**	
MP-14	25		10	25	25	15			**75**	**10.95**	
IJ-1	75		20	5	5	15			**45**	**13.17**	
IJ-2	25	45				5			**50**	**30.63**	
IJ-5	25		5						**5**	**5.89**	
IJ-6	25		20	15	15	20			**70**	**14.13**	
IJ-7	50	40				5			**45**	**27.77**	
IJ-8	50	25							**25**	**16.70**	
Total Injected Volume	**800**	**125**	**150**	**150**	**125**	**125**	**125**		**800**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, CJP

Weather: Cold, some snow, 20s F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

	Date:	11/17/2020	11/17/2020	11/18/2020	11/19/2020				**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	5				**30**		
MW-16	75				110				**110**		
MW-24	25	10	15	10	5				**40**		
MW-25R	75	10		30					**40**		
MW-28	75		50						**50**		
MP-4	75	5	5	5	5				**20**		
MP-5	50	20	30	25	5				**80**		
MP-8S	25								**0**		
MP-11	50	10	15	5	5				**35**		
MP-12	25		55	30					**85**		
MP-14	25	10	25	25	5				**65**		
IJ-1	75	20	10	20	20				**70**	**19.95**	
IJ-2	25	40			10				**50**	**26.71**	
IJ-5	25	5							**5**		
IJ-6	25	20	10	20	20				**70**	**13.40**	
IJ-7	50	25			10				**35**	**18.08**	
IJ-8	50	15							**15**	**11.72**	
Total Injected Volume	**800**	**200**	**225**	**175**	**200**	**0**	**0**		**800**		

VERINA Consulting Group, LLC

SODIUM PERMANGANATE MANUAL INJECTION LOG

Project Number: 5101.0002

Personnel: CF, CJP

Weather: Cold, chance of snow, 25-35 F

Injection Solution Characteristics:

Concentration of Injection Solution: 10%

Date:		12/15/2020	12/15/2020	12/16/2020	12/16/2020				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	5	5				**25**		
MW-16	75				155				**155**		
MW-24	25	15	20	15	5				**55**		
MW-25R	75		5						**5**		
MW-28	75		25						**25**		
MP-4	75	5	10	5	5				**25**		
MP-5	50	20	45	25	5				**95**		
MP-8S	25								**0**		Parked over.
MP-11	50	5	15	5	5				**30**		
MP-12	25		15	65					**80**		
MP-14	25	10	35	25	5				**75**		
IJ-1	75	20	10	20	10				**60**		
IJ-2	25	45		5					**50**		
IJ-5	25		5	5					**10**		
IJ-6	25	20	5	20	5				**50**		
IJ-7	50	35		5					**40**		
IJ-8	50	20							**20**		
Total Injected Volume	**800**	**200**	**200**	**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
Monitoring Well:	MW-2	Date:	9/16/2020
Field Personnel:	CJP	Weather:	Sun, 60's

PRE-PURGE INFO:

Well Depth (ft btoc):	16.4	Depth to Water (ft btoc):	11.1
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	5-15
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-2 092419
Final Depth to Water (ft btoc):	12.50	Sample Time:	9:50

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	
9:10	14.28	6.06	1.597	206.6	2.59	101.6	11.00			
9:15	14.5	6.07	1.593	212.1	2.11	21.4	11.00			
9:20	14.52	6.08	1.604	216.3	1.90	26.5	11.00			
9:25	14.48	6.08	1.632	207.4	1.69	20.4	11.50			
9:30	14.46	6.06	1.679	190.3	2.83	15.8	11.50			
9:35	14.45	6.06	1.681	189.9	2.41	15.2	12.00			
9:40	14.40	6.01	1.680	185.1	2.40	14.9	12.00			
9:45	14.38	6.00	1.680	184.2	2.38	14.8	12.50			

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:	9/16/2020	
Field Personnel:	RDA	Weather:	Clear skies, 60s	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.23	Depth to Water (ft btoc):	5.87
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:	turbid/pink	Mn/MnO_4 (mg/L):	13.7
Volume Purged (gal):	~3	Sample ID:	MW-3 09162020
Final Depth to Water (ft btoc):	5.97	Sample Time:	11:15

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
10:30	16.27	7.07	0.768	763.0	6.27	76.2	5.91	0.37	200	
10:35	16.41	6.94	0.771	766.5	3.62	86.3	5.93	0.41	150	
10:40	16.65	16.65	1.541	773.0	3.98	70.3	5.97	1.15	150	
10:45	16.68	16.68	2.199	781.5	4.93	56.2	6.00	1.15	150	
10:50	16.72	16.72	2.242	782.6	4.95	70.9	6.00	1.17	150	
10:55	16.82	16.82	2.596	787.7	5.58	61.6	6.01	1.35	150	
11:00	16.84	16.84	2.612	788.1	5.71	57.8	5.99	1.36	150	
11:05	16.88	16.88	2.612	788.3	5.71	60.9	6.00	1.36	150	
11:10	16.91	16.91	2.613	788.4	5.67	62.5	6.01	1.36	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:	MW-7A	Date:	9/16/2020	
Field Personnel:	RDA	Weather:	60's clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.35	Depth to Water (ft btoc):	6.71
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):	297.3
Volume Purged (gal):	3.5	Sample ID:	MW-7A 09162020
Final Depth to Water (ft btoc):	7.63	Sample Time:	9:45

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	
9:00	17.66	6.93	4.209	717.2	30.08	-	6.82	2.01	200	too dark to read turbidity
9:05	17.69	6.93	3.980	724.7	16.34	-	6.99	2.02	200	
9:10	18.4	6.90	2.740	739.0	13.72	-	7.21	1.41	200	
9:15	18.52	6.89	3.683	742.5	13.32	-	7.46	1.40	200	
9:20	18.63	6.81	3.106	758.8	10.56	-	7.52	1.64	200	
9:25	18.56	6.85	3.883	762.0	10.51	-	7.66	2.08	200	
9:30	18.37	6.89	4.634	767.6	10.40	-	7.70	2.49	200	
9:35	18.34	6.89	4.684	768.5	10.40	-	7.69	2.52	200	
9:40	18.34	6.89	4.695	768.5	10.36	-	7.71	2.53	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002
Monitoring Well:	MW-13	Date:	9/17/2020
Field Personnel:	JAM	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 09172020/MS/MSD
Final Depth to Water (ft btoc):	39.98	Sample Time:	9:50

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	
9:10	15.01	7.97	0.445	466.5	78.71	33.7	32.75	0.21	100	
9:15	14.73	7.60	0.353	545.8	6.93	17.6	37.60	0.17	100	
9:20	14.73	7.60	0.353	546.6	6.98	8.20	38.60	0.17	200	
9:25	15.96	7.59	0.352	552.2	5.70	7.64	39.71	0.17	200	
9:30	15.01	7.58	0.352	554.5	4.83	5.34	40.37	0.17	200	
9:35	15.07	5.57	0.353	555.0	4.40	4.36	40.56	0.17	200	
9:40	15.16	5.57	0.353	555.0	4.29	5.81	40.67	0.17	200	
9:45	15.18	5.57	0.353	555.0	4.30	4.76	40.71	0.17	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-14	Date:	9/15/2020	
Field Personnel:	RDA	Weather:	60S, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	72.49	Depth to Water (ft btoc):	38.31
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	Sample ID:	MW-14 09152020
Final Depth to Water (ft btoc):	39.3	Sample Time:	16:15

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	
15:30	19.42	6.11	2.727	687.7	5.44	74.7	39.31	1.42	200	
15:35	15.54	6.02	2.725	524.6	4.85	60.1	39.34	1.42	200	
15:40	15.13	6.06	2.714	506.7	5.29	30.8	39.35	1.42	200	
15:45	14.89	6.00	2.896	510.6	5.57	21.7	39.4	1.52	200	
15:50	15.35	5.90	3.166	530.4	2.96	27.8	39.41	1.67	200	
15:55	15.28	5.83	3.302	545.0	2.59	30.1	39.40	1.74	200	
16:00	15.16	5.82	3.347	448.8	2.38	22.9	39.42	1.77	200	
16:05	15.14	5.81	3.349	549.0	2.39	31.7	39.42	1.77	200	
16:10	15.14	5.81	3.349	449.1	2.39	24.1	39.42	1.77	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:	9/16/2020	
Field Personnel:	RDA	Weather:	60s, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	30.29	Depth to Water (ft btoc):	19.21
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):	211.4
Volume Purged (gal):	~1	Sample ID:	MW-16 09162020
Final Depth to Water (ft btoc):	20.69	Sample Time:	15:40

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
15:00	15.03	6.92	3.218	671.5	10.30	-	19.20	1.69	100	too dark to read turbidity
15:05	15.94	6.93	3.185	742.3	8.72	-	19.57	1.68	100	
15:10	15.94	6.93	3.190	747.0	8.62	-	19.68	1.68	100	
15:15	16.42	6.95	3.202	753.7	8.21	-	19.71	1.68	100	
15:20	16.59	6.95	3.101	754.5	8.13	-	19.83	1.68	100	
15:25	17.59	6.96	3.211	760.0	7.72	-	19.79	1.69	100	
15:30	17.69	6.93	3.216	769.3	7.32	-	19.84	1.69	100	
15:35	17.69	6.93	3.214	770.6	7.29	-	19.87	1.69	100	
15:40	17.70	6.93	3.215	770.5	7.30	-	19.91	1.69	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-17	Date:	9/16/2020	
Field Personnel:	CF	Weather:	Sunny/Cloudy, 70s	

PRE-PURGE INFO:

Well Depth (ft btoc):	20.26	Depth to Water (ft btoc):	17.81
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	8-18
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~17

POST-PURGE INFO:

Color:	turbid/ tan	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1.5	Sample ID:	MW-17 09162020
Final Depth to Water (ft btoc):	14.12	Sample Time:	16:00

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	
15:15	16.02	6.38	1.913	425.0	4.77	83.0	13.93	0.98	175	
15:20	15.92	6.06	1.942	471.8	3.43	121.0	13.91	1.00	175	
15:25	15.20	6.08	2.007	481.0	2.92	57.0	13.89	1.04	175	
15:30	14.83	6.10	2.081	483.6	2.67	88.8	13.87	1.07	175	
15:35	14.49	6.13	2.151	484.3	2.34	55.6	13.85	1.11	175	
15:40	14.40	6.15	2.212	482.6	2.11	63.1	13.83	1.14	175	
15:45	14.24	6.17	2.261	481.3	1.93	59.5	13.81	1.17	175	
15:50	14.24	6.18	2.274	481.3	1.84	57.0	13.81	1.18	175	
15:55	14.24	6.18	2.295	480.5	1.81	53.7	13.81	1.19	175	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002
Monitoring Well:	MW-19	Date:	9/16/2020
Field Personnel:	CJP	Weather:	65S, Sunny

PRE-PURGE INFO:

Well Depth (ft btoc):	19.21	Depth to Water (ft btoc):	14.35
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	8-18
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~15

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~2.25	Sample ID:	MW-19 091620 + DUP 091620
Final Depth to Water (ft btoc):	15.25	Sample Time:	12:50

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
12:15	16.38	6.22	1.176	100.0	2.75	49.3	14.50			
12:20	15.45	6.17	1.090	102.8	4.37	24.8	14.50			
12:25	15.78	6.16	1.069	102.4	4.04	18.9	14.50			
12:30	16.25	6.12	1.072	98.4	3.56	12.70	14.70			
12:35	16.52	6.15	1.079	96.8	3.45	5.04	15.00			
12:40	16.68	6.15	1.093	95.4	3.32	4,93	15.25			
12:45	16.71	6.15	1.099	95.1	3.29	4,89	15.25			

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:	9/17/2020	
Field Personnel:	CF	Weather:	Cloudy, 70s	

PRE-PURGE INFO:

Well Depth (ft btoc):	21.59	Depth to Water (ft btoc):	6.23
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	17-22
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~14

POST-PURGE INFO:

Color:	Clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1.5	Sample ID:	MW-22 09172020
Final Depth to Water (ft btoc):	12.91	Sample Time:	10:25

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
9:45	14.19	7.26	0.536	131.2	1.15	21.4	7.80	0.26	150	
9:50	14.09	7.28	0.522	93.00	0.64	24.7	8.46	0.25	150	
9:55	14.19	7.29	0.520	88.1	0.76	20.7	8.88	0.25	150	
10:00	14.26	7.29	0.520	61.5	0.65	20.2	9.58	0.25	150	
10:05	14.30	7.29	0.520	52.0	0.61	20.5	10.14	0.25	150	
10:10	14.33	7.28	0.521	46.7	0.62	20.3	10.76	0.25	150	
10:15	14.34	7.28	0.521	42.1	0.61	19.6	11.26	0.25	150	
10:20	14.34	7.28	0.521	37.7	0.59	18.6	11.82	0.25	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:	MW-24	Date:	9/17/2020	
Field Personnel:	RDA	Weather:	60s, clear skies	

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):	198.7
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	
11:15	12.96	7.52	9.403	558.4	15.72	--	34.11	4.43	300	too dark to read turbidity
11:20	13.20	7.46	7.966	580.4	16.43	--	34.11	4.40	300	
11:25	14.78	7.46	7.776	594.6	17.35	--	34.13	4.33	200	
11:30	15.62	7.43	7.811	600.4	17.66	--	34.17	4.30	200	
11:35	16.29	7.35	7.962	614.9	17.99	--	34.16	4.44	200	
11:40	17.28	7.28	8.340	629.5	18.89	--	34.16	4.67	200	
11:45	18.15	7.21	8.859	645.8	19.72	--	34.15	4.98	200	
11:50	18.32	7.20	9.049	650.1	19.71	--	34.17	5.10	200	
11:55	18.34	7.20	9.076	650.1	19.71	--	34.15	5.12	200	
12:00	18.35	7.19	9.110	651.6	19.77	--	34.17	5.10	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:	9/17/2020	
Field Personnel:	CJP	Weather:	Sunny, 58 F	

PRE-PURGE INFO:

Well Depth (ft btoc):	37.97	Depth to Water (ft btoc):	13.35
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	34-39
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~35

POST-PURGE INFO:

Color:	purple	Mn/MnO_4 (mg/L):	106.2
Volume Purged (gal):	~2.5	Sample ID:	MW-25R 09172020
Final Depth to Water (ft btoc):	13.55	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	
9:50	18.06	7.28	3.344	533.4	6.55	--	13.50			too dark to read turbidity
9:55	15.07	6.9	4.897	604.3	14.69	--	13.50			
10:00	15.64	6.78	4.555	624.1	12.29	--	13.50			
10:05	15.32	6.65	4.092	644.5	9.72	--	13.50			
10:10	15.11	6.58	3.879	654.1	7.91	--	13.50			
10:15	15.04	6.56	3.741	657.4	7.41	--	14.00			
10:20	15.00	6.54	3.630	660.1	6.99	--	14.00			
10:25	14.95	6.52	3.601	663.1	6.89	--	14.00			

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002
Monitoring Well:	MW-26	Date:	9/16/2020
Field Personnel:	CJP	Weather:	70s, cloudy

PRE-PURGE INFO:

Well Depth (ft btoc):	27.75	Depth to Water (ft btoc):	14.51
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	22.5-27.5
Pump Used:	1.75" Bladder Pump	Depth of Pump (ft btoc):	~25

POST-PURGE INFO:

Color:	light cloudy color	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~2.5	Sample ID:	MW-26 09162020
Final Depth to Water (ft btoc):	14.61	Sample Time:	11:30

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
10:40	14.30	6.87	0.893	-26.3	1.31	1607 AU	14.50			
10:45	13.60	6.72	0.984	-7.0	0.72	1101 AU	14.50			
10:50	13.49	6.65	1.062	7.7	0.79	949	14.50			
10:55	13.33	6.59	1.116	17.7	0.89	876	15.00			
11:00	13.40	6.58	1.137	17.5	0.92	79.5	15.00			
11:05	13.47	6.55	1.148	17.8	0.95	64.5	15.00			
11:10	13.51	6.55	1.153	18.0	0.97	58.4	15.00			
11:15	13.57	6.55	1.152	18.2	0.95	53.5	14.80			
11:20	13.59	6.55	1.150	18.5	0.95	53.0	14.75			
11:25	13.54	6.55	1.154	18.7	0.93	52.8	14.61			

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:	9/17/2020	
Field Personnel:	CJP	Weather:	60's, sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	26.1	Depth to Water (ft btoc):	14.15
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):	~2.5	Sample ID:	MW-27 09172020
Final Depth to Water (ft btoc):	27	Sample Time:	12:20

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
11:20	17.09	6.40	1.495	603.0	4.09	28.2	26.00			
11:25	15.06	6.35	1.452	409.2	1.68	25.4	26.00			
11:30	14.73	6.33	1.450	323.1	1.48	19.1	26.00			
11:35	16.47	6.33	1.450	212.4	2.37	15.6	26.00			
11:40	16.80	6.32	1.452	143.0	3.26	12.4	26.00			
11:45	16.82	6.32	1.452	95.0	3.10	9.43	26.00			
11:50	16.85	6.32	1.453	73.1	2.41	8.00	26.00			
11:55	16.88	6.34	1.452	48.3	2.58	7.65	26.00			
12:00	16.85	6.31	1.452	28.4	2.63	7.24	27.00			
12:05	16.85	6.32	1.452	27.4	2.68	7.14	27.00			
12:10	16.89	6.32	1.452	27.1	2.69	7.10	27.00			
12:18	16.91	6.34	1.452	27.0	2.70	7.09	27.00			

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:	9/16/2020	
Field Personnel:	CJP	Weather:	Sunny, 65 F	

PRE-PURGE INFO:

Well Depth (ft btoc):	25.2	Depth to Water (ft btoc):	10.1
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/yellow	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1.5	Sample ID:	MW-28 091620
Final Depth to Water (ft btoc):	18.1	Sample Time:	15:30

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	
14:50	18.08	8.33	0.446	44.0	1.53	1195 AU	10.0			
14:55	17.10	8.44	0.413	37.6	0.52	1011 AU	10.5			
15:00	17.42	8.58	0.314	23.9	0.41	78.4	11.0			
15:05	18.16	8.43	0.390	22.0	0.34	44.1	13.0			
15:10	18.89	8.36	0.399	39.2	0.34	40.3	13.0			
15:15	18.91	8.34	0.404	38.9	0.33	34.4	15.5			
15:20	18.99	8.31	0.410	38.5	0.33	34.0	17.0			
15:25	19.04	8.33	0.404	38.1	0.33	33.8	18.1			

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:	9/15/2020	
Field Personnel:	CJP	Weather:	55, Sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	~21.45	Depth to Water (ft btoc):	13.15
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:	brownish	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~0.5 gallon	Sample ID:	MW-31 091620
Final Depth to Water (ft btoc):	13.25	Sample Time:	10:25

WELL PURGE DATA:

Time 5 minute intervals	Temperature (°C)	pH (units)	Conductivity (ms/cm)	REDOX (Eh-mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Salinity (PPT)	Pumping Rate (ml/min)	Comment
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
9:50	18.80	6.04	1.972	-45.1	2.90	37.7	13.15			
9:55	17.82	6.07	2.314	-162.8	0.99	31.4	13.15			
10:00	17.93	6.12	2.426	-195.0	0.75	27.7	13.15			
10:05	18.01	6.17	2.490	-202.1	0.74	19.7	13.50			
10:10	18.00	6.19	2.530	-210.4	1.27	14.8	13.50			
10:15	18.00	6.20	2.543	-212.1	1.29	14.2	13.75			
10:20	18.04	6.22	2.57	-209.1	1.11	14.0	13.25			

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002
Monitoring Well:	MW-32	Date:	9/18/2020
Field Personnel:	CJP	Weather:	65, Sunny

PRE-PURGE INFO:

Well Depth (ft btoc):	~23.4	Depth to Water (ft btoc):	13.2
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:	clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1.25	Sample ID:	MW-32 091820
Final Depth to Water (ft btoc):	15.25	Sample Time:	11:30

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
10:55	18.44	12.31	7.362	-218.3	4.17	50.1	13.30			
11:00	16.99	12.38	7.392	-198.3	2.22	50.9	13.30			
11:05	17.00	12.37	7.793	-191.4	2.05	51.5	13.30			
11:10	17.12	12.36	7.730	-183.4	2.01	51.7	13.30			
11:15	17.13	12.34	7.580	-180.8	1.93	51.9	13.50			
11:20	17.19	12.32	7.510	-184.7	1.90	51.0	14.75			
11:25	17.28	12.32	7.501	-184.0	1.91	50.8	14.75			

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:	9/15/2020	
Field Personnel:	CJP	Weather:	Sunny, 65 F	

PRE-PURGE INFO:

Well Depth (ft btoc):	~36.6	Depth to Water (ft btoc):	13.5
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	32-37
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~35

POST-PURGE INFO:

Color:	Blackish	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~2.5	Sample ID:	MW-35 091520
Final Depth to Water (ft btoc):	14.52	Sample Time:	12:50

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
12:00	16.37	9.42	0.443	-162.3	8.92	704 AU	13.50			
12:05	14.79	7.47	0.831	-179.8	7.75	49.9	13.50			
12:10	14.64	7.10	0.976	-176.4	7.76	47.8	13.50			
12:15	14.68	6.67	1.253	-175.6	6.53	38.4	13.90			
12:20	14.74	6.39	1.642	-166.9	4.93	32.8	14.00			
12:25	14.76	6.29	1.732	-169.4	4.40	24.4	14.10			
12:30	14.68	6.21	2.094	-149.5	3.90	23.6	14.50			
12:35	14.65	6.20	2.103	-148.7	3.84	23.1	14.50			
12:40	14.63	6.19	2.149	-145.6	3.53	22.8	14.50			
12:45	14.62	6.19	2.163	-143.4	3.50	22.6	14.50			

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:	9/16/2020	
Field Personnel:	RDA	Weather:	Clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	23.85	Depth to Water (ft btoc):	7.90
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:	turbid- clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~2	Sample ID:	MW-38 09162020
Final Depth to Water (ft btoc):	8.1	Sample Time:	12:40

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
12:00	13.38	5.91	2.065	596.7	5.49	57.3	8.00	1.06	200	
12:05	12.71	5.82	2.065	641.6	3.83	67.9	8.07	1.06	200	
12:10	12.19	5.78	2.059	670.3	2.84	55.8	8.09	1.06	200	
12:15	12.18	5.78	2.060	664.8	2.84	40.0	8.10	1.06	200	
12:20	12.26	5.79	2.060	661.4	2.72	48.3	8.11	1.06	200	
12:25	12.54	5.81	2.059	660.0	2.48	43.6	8.12	1.06	200	
12:30	12.94	5.82	2.076	660.9	2.30	51.1	8.12	1.07	200	
12:35	13.06	5.82	2.078	660.5	2.27	40.0	8.15	1.07	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-39	Date:	9/18/2020	
Field Personnel:	CJP	Weather:	Sunny, 70s	

PRE-PURGE INFO:

Well Depth (ft btoc):	47.7	Depth to Water (ft btoc):	14.30
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	42-47
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~44

POST-PURGE INFO:

Color:	clear	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~5.5	Sample ID:	MW-39 091820
Final Depth to Water (ft btoc):	14.8	Sample Time:	16:30

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	
15:45	16.13	6.68	1.922	51.5	3.25	35.2	14.50			
15:50	15.00	6.62	1.921	67.2	1.66	89.4	14.50			
15:55	14.73	6.61	1.923	74.8	1.36	116.0	14.50			
16:00	14.51	6.59	1.927	84.2	1.27	101.4	14.50			
16:05	14.45	6.58	1.927	87.2	1.30	83.0	15.00			
16:10	14.35	6.54	1.914	91.0	1.33	100.1	15.00			
16:15	14.32	6.52	1.910	91.3	1.33	99.8	15.00			
16:20	14.30	6.50	1.908	91.8	1.35	100.0	15.00			
16:25	14.28	6.51	1.906	91.9	1.35	100.6	15.00			

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Project Name:	Dover-Kirkwood	Project #:	5101.0002
Monitoring Well:	MP-3D	Date:	9/15/2020
Field Personnel:	CF	Weather:	60'S, Sunny

PRE-PURGE INFO:

Well Depth (ft btoc):	~73.39	Depth to Water (ft btoc):	36.53
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	46-56
Pump Used:	1" bladder	Depth of Pump (ft btoc):	~49

POST-PURGE INFO:

Color:	clear/turbid	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1	Sample ID:	MP-3D 091520
Final Depth to Water (ft btoc):	36.59	Sample Time:	12:55

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	
12:20	13.85	6.12	0.466	-110	10.01	43.5	36.53	0.23	100	
12:25	14.02	5.82	0.474	-115.0	7.25	43.8	36.54	0.23	100	
12:30	14.30	5.79	0.468	-117.4	6.78	42.0	36.54	0.23	100	
12:35	14.39	5.81	0.470	-114.3	6.67	41.2	36.54	0.23	100	
12:40	14.44	5.81	0.471	-111.8	6.63	38.5	36.55	0.23	100	
12:45	14.49	5.82	0.472	-111.0	6.59	39.5	36.55	0.23	100	
12:50	14.54	5.82	0.472	-110.6	6.55	37.0	36.55	0.23	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-6S	Date:	9/16/2020	
Field Personnel:	CF	Weather:	55, partly cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	25.03	Depth to Water (ft btoc):	12.15
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):	NA
Volume Purged (gal):	~1	Sample ID:	MP-6S 091620
Final Depth to Water (ft btoc):	12.33	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	
11:30	20.01	6.58	2.105	431.0	6.06	1005	12.17	1.08	100	
11:35	20.64	6.57	2.091	434.6	5.77	961	12.19	1.07	100	
11:40	20.86	6.58	2.090	439.8	5.61	753	12.21	1.07	100	
11:45	21.13	6.59	2.092	436.4	5.52	673	12.23	1.07	100	
11:50	21.36	6.58	2.088	444.6	5.43	-59	12.25	1.07	100	
11:55	21.39	6.58	2.093	445.4	5.35	-54	12.27	1.07	100	
12:00	21.44	6.59	2.092	446.2	5.31	-53	12.28	1.07	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-6D	Date:	9/15/2020	
Field Personnel:	RDA	Weather:	clear skies, 55s	

PRE-PURGE INFO:

Well Depth (ft btoc):	48.6	Depth to Water (ft btoc):	8.00
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 091520
Final Depth to Water (ft btoc):	8.73	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	
10:10	17.6	6.69	0.205	-52.5	3.70	10.05	8.02	0.1	100	
10:15	17.43	6.68	0.206	-57.6	3.63	9.45	8.11	0.1	100	
10:20	17.49	6.68	0.206	-63.5	3.52	10.41	8.20	0.1	100	
10:25	17.55	6.68	0.206	-64.8	3.45	9.42	8.29	0.1	100	
10:30	17.59	6.69	0.206	-64.9	3.40	10.12	8.38	0.1	100	
10:35	17.64	6.69	0.207	-62.9	3.37	9.21	8.47	0.1	100	
10:40	17.68	6.70	0.207	-60.2	3.36	9.34	8.56	0.1	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-8S	Date:	9/16/2020	
Field Personnel:	CF	Weather:	45, Sunny, cool	

PRE-PURGE INFO:

Well Depth (ft btoc):	15.39	Depth to Water (ft btoc):	13.77
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:	purple	Mn/MnO_4 (mg/L):	99.8
Volume Purged (gal):	~1	Sample ID:	MP-8S 09162020
Final Depth to Water (ft btoc):	13.87	Sample Time:	9:40

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
9:05	16.55	6.74	2.985	663.5	8.23	31.46	13.77	1.56	100	
9:10	16.59	6.75	2.988	665.8	8.13	31.29	13.88	1.56	100	
9:15	16.66	6.74	2.981	668.2	8.11	31.06	13.80	1.57	100	
9:20	16.84	6.75	2.992	672.0	8.03	30.73	13.81	1.57	100	
9:25	16.84	6.75	2.992	673.0	8.01	30.43	13.83	1.57	100	
9:30	16.95	6.75	2.992	674.5	8.01	29.97	13.84	1.46	100	
9:35	17.01	6.75	2.993	675.7	7.99	29.67	13.84	1.46	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:	9/15/2020	
Field Personnel:	CF	Weather:	60's, sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	~53.03	Depth to Water (ft btoc):	13.75
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:	clear/ turbid	Mn/MnO_4 (mg/L):	NA
Volume Purged (gal):	~1	Sample ID:	MP-8D 09152020
Final Depth to Water (ft btoc):	13.77	Sample Time:	16:40

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
16:05	16.77	7.44	0.213	-220	5.25	53.9	13.77	0.1	100	
16:10	16.89	7.44	0.215	-19.8	5.15	62.1	13.76	0.11	100	
16:15	17.01	7.44	0.216	-18.3	5.07	57.0	13.75	0.1	100	
16:20	17.19	7.45	0.216	-17.4	5.01	53.8	13.75	0.1	100	
16:25	17.25	7.46	0.216	-17.0	5.01	51.5	13.76	0.1	100	
16:30	17.35	7.46	0.217	-16.3	5.00	50.6	13.77	0.1	100	
16:35	14.72	7.46	0.217	-15.8	4.99	49.0	13.78	0.1	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-11	Date:	9/15/2020	
Field Personnel:	RDA	Weather:	50'S, foggy	

PRE-PURGE INFO:

Well Depth (ft btoc):	28.25	Depth to Water (ft btoc):	10.11
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):	141.8
Volume Purged (gal):	~3.5	Sample ID:	MP-11 09152020
Final Depth to Water (ft btoc):	11.71	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	14.53	7.84	12.42	671.3	10.86	--	10.23	7.15	200	too dark to read turbidity
8:35	14.00	7.35	15.72	696.0	7.12	--	11.11	9.35	200	
8:40	14.72	7.31	16.10	704.6	6.19	--	11.46	9.47	200	
8:45	14.68	7.31	15.99	706.8	5.88	--	11.55	9.39	200	
8:50	14.62	7.30	14.62	708.7	5.78	--	11.61	9.35	200	
8:55	14.00	7.30	15.75	710.8	5.38	--	11.69	9.31	200	
9:00	14.59	7.30	15.75	711.3	5.37	--	11.67	9.24	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-12	Date:	9/15/2020	
Field Personnel:	RDA	Weather:	65, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	23.07	Depth to Water (ft btoc):	17.45
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):	376.1
Volume Purged (gal):	~2	Sample ID:	MP-12 09152020
Final Depth to Water (ft btoc):	17.49	Sample Time:	10:50

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	
10:15	15.13	7.23	45.10	736.7	21.98	--	17.51	28.02	250	too dark to read turbidity
10:20	15.14	7.05	40.97	743.5	20.55	--	17.49	26.16	200	
10:25	16.36	6.98	39.17	747.7	17.85	--	17.67	25.06	200	
10:30	17.14	7.22	46.43	736.5	17.45	--	17.60	30.28	200	
10:35	17.56	7.34	49.37	731.1	17.42	--	17.50	32.40	200	
10:40	18.03	7.45	52.63	726.1	17.50	--	17.51	33.93	200	
10:45	18.35	7.40	52.44	723.4	17.59	--	17.51	34.91	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-13	Date:	9/15/2020	
Field Personnel:	RDA	Weather:	60s, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	24.31	Depth to Water (ft btoc):	8.96
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:	purple to pink	Mn/MnO_4 (mg/L):	74.6
Volume Purged (gal):	~2	Sample ID:	MP-13 091520
Final Depth to Water (ft btoc):	10.64	Sample Time:	12:45

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	
12:00	24.36	8.09	0.557	676.6	6.64	--	9.11	1.06	200	too dark to read turbidity
12:05	21.77	7.3	2.439	682.1	4.34	--	9.43	1.06	200	
12:10	21.82	7.35	2.090	675.6	3.37	--	9.76	1.06	200	
12:15	21.57	7.37	1.807	669.0	2.79	--	10.00	1.05	200	
12:20	21.54	7.36	1.673	668.1	2.43	--	10.11	0.85	200	
12:25	21.43	7.42	1.583	658.5	2.19	--	10.49	0.80	200	
12:30	21.36	7.43	1.517	650.9	1.96	--	10.63	0.76	200	
12:35	21.34	7.43	1.514	650.4	1.99	--	10.71	0.76	200	
12:40	21.23	7.43	1.513	649.3	2.01	--	10.80	0.76	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-14	Date:	9/17/2020	
Field Personnel:	CF	Weather:	55, cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	20.91	Depth to Water (ft btoc):	10.58
PID Beneath PVC Cap (ppm)	NA	Screened/Open Interval (ft btoc):	15-25
Pump Used:	2" bladder	Depth of Pump (ft btoc):	~18

POST-PURGE INFO:

Color:	Pink/purple	Mn/MnO_4 (mg/L):	86.7
Volume Purged (gal):	~1.5	Sample ID:	MP-14 09172020
Final Depth to Water (ft btoc):	11.54	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	
11:05	18.15	6.37	1.626	605.8	4.54	1239 AU	10.85	0.84	150	
11:10	17.21	6.18	1.953	646.8	2.63	1102 AU	10.94	1.00	150	
11:15	17.12	6.16	2.013	655.3	2.50	1057 AU	10.97	1.03	150	
11:20	17.08	6.14	2.076	669.2	2.35	1030 AU	11.03	1.07	150	
11:25	17.13	6.13	2.106	671.0	2.18	952 AU	11.02	1.08	150	
11:30	17.28	6.12	2.130	670.9	1.85	10.22	11.03	1.10	150	
11:35	17.37	6.11	2.160	673.7	1.94	10.21	11.03	1.11	150	
11:40	17.38	6.10	2.177	678.8	1.88	9.88	11.03	1.12	150	

Appendix C

September 24, 2020 Service Request No:R2008512

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, 2020
For your reference, these analyses have been assigned our service request number **R2008512.**

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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MW-32 09152020 - VOA GCMS 70

MW-35 09152020 - VOA GCMS 71

MP-3D 09152020 - VOA GCMS 72

MW-14 09152020 - VOA GCMS 73

MW-39 09152020 - VOA GCMS 74

MP-8D 09152020 - VOA GCMS 75

FB 09152020 - VOA GCMS 76

Raw Data 77

ICAL Summary 431

ICV Summary 434

RQ2010894-02 - CCV VOA GCMS 435

RQ2011043-02 - CCV VOA GCMS 436

Run Log 437

Run Log Sheets 441

8260C - VOC Unp

Form 1s

MP-11 09152020 - VOA GCMS 443

MP-12 09152020 - VOA GCMS 444

MP-13 09152020 - VOA GCMS 445

Raw Data 446

ICAL Summary 502

ICV Summary 505

RQ2010894-02 - CCV VOA GCMS 506

Run Log 507

Run Log Sheets 509

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: R2008512
Date Received: 09/16/2020

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:

Thirteen water samples were received for analysis at ALS Environmental on 09/16/2020. 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, 695489: Sample(s) required dilution due to the very dark purple matrix. The reporting limits are adjusted to reflect the dilution.

Method 8260C, 09/18/2020: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 09/21/2020: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Approved by _____ Date 09/24/2020

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-31 09152020			Lab ID: R2008512-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.74	J	0.23	1.0	ug/L	8260C

CLIENT ID: MW-35 09152020			Lab ID: R2008512-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.65	J	0.23	1.0	ug/L	8260C

CLIENT ID: MW-39 09152020			Lab ID: R2008512-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	0.44	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	2.0		0.20	1.0	ug/L	8260C

CLIENT ID: MP-8D 09152020			Lab ID: R2008512-012			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	1.9		0.21	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:**R2008512
Project: Dover - Kirkwood/5101.0002

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2008512-001	TB 09152020	9/15/2020	
R2008512-002	MP-11 09152020	9/15/2020	0905
R2008512-003	MW-31 09152020	9/15/2020	1025
R2008512-004	MP-6D 09152020	9/15/2020	1045
R2008512-005	MP-12 09152020	9/15/2020	1050
R2008512-006	MW-32 09152020	9/15/2020	1130
R2008512-007	MP-13 09152020	9/15/2020	1245
R2008512-008	MW-35 09152020	9/15/2020	1250
R2008512-009	MP-3D 09152020	9/15/2020	1255
R2008512-010	MW-14 09152020	9/15/2020	1610
R2008512-011	MW-39 09152020	9/15/2020	1630
R2008512-012	MP-8D 09152020	9/15/2020	1640
R2008512-013	FB 09152020	9/15/2020	1705

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

003688

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: Sarah Maccatee	Report CC:
Company/Address: Verina Consulting, 1011 US Highway 22, Bridgewater NJ	
Phone #: 908 864 4400	Email: smaccatee@vcg-llc.com
Sampler's Signature:	Sampler's Printed Name: Rita De Almeida

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1 0

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	SSPL VOCs	SSPL VOCs
TB 09152020		9/15/20	—	TB	3	X	
MP-11 09152020			0905	GW	3		X
MW-31 09152020			1025	GW	3	X	
MP-6D 09152020			1045	GW	3	X	
MP-12 09152020			1050	GW	3		X
MW-32 09152020			1130	GW	3	X	
MP-13 09152020			1245	GW	3		X
MW-35 09152020			1250	GW	3	X	
MP-3D 09152020			1255	GW	3	X	
MW-14 09152020			1610	GW	3	X	
MW-39 09152020		—	1630	GW	3	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

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

SPECIAL INSTRUCTIONS/COMMENTS

Metals

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

*Preservative=None bottles contain thiosulfate

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

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

X 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 # 5101.0002

BILL TO: Verina

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	
Printed Name: Rita De Almeida	Printed Name: Gary LaFua	Printed Name	Printed Name	Printed Name	
Firm: Verina	Firm: ALS	Firm	Firm	Firm	
Date/Time: 9/15/2020 1630	Date/Time: 9/16/2020 0900	Date/Time	Date/Time	Date/Time	

R2008512 Verina Consulting Group, LLC Dover - Kirkwood + 5

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

003687

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Project Name: Dover-Kirkwood	Project Number: S101.0002
Project Manager: Sarah Marcuccio	Report CC:
Company/Address: Verina Consulting, 1011 US Hwy 22, Bridgewater NJ	
Phone #: 908 864 4400	Email: smarcuccio@vcg-llc.com
Sampler's Signature:	Sampler's Printed Name: Rita De Almeida

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 0

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)	SSPL VOCs	SSPL VOCs
MP-8D 09152020		9/15/20	1640	GW	3								X	
FB 09152020		1	1705	FB	3								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 _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Metals

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

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

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

X 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 # S101.0002

BILL TO: Verina

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Rita De Almeida	Printed Name:	Printed Name:	Printed Name:	Printed Name:	
Firm: Verina	Firm: ALS	Firm:	Firm:	Firm:	
Date/Time: 9/15/2020 1630	Date/Time: 9/16/2020 0900	Date/Time:	Date/Time:	Date/Time:	

R2008512 5

Verina Consulting Group, LLC
Dover - Kirkwood

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R2008512 5
Vertex Consulting Group, LLC
Dover - Kirkwood

Cooler Receipt and Preservation Check Form

Project/Client Vertex Folder Number .

Cooler received on 9/16/2020 by: @ **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: 9/16/2020 Time: 0913 ID: IR#7 (IR#10) From: (Temp Blank) (Sample Bottle)

Observed Temp (°C)	1.9	4.2					
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-002 by @ on 9/16/2020 at 0922
5035 samples placed in storage location: by on at within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date : 9/16/2020 Time: 1540 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 with MS? 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: 70715-C21616, 0-132-001
Explain all Discrepancies/ Other Comments:

Headspace: 5 vials TB
MA-13 - 2 vials

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: @
PC Secondary Review: SMS 9/22/20 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2008512-001.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1549	R-001-S12 / KRUEST	
		9/21/2020	1040	In Lab / KRUEST	
		9/21/2020	1132	R-001-S12 / KRUEST	
R2008512-001.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-001.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-002.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008512-002.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-002.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-003.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008512-003.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-003.03					

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-004.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008512-004.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-004.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-005.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008512-005.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-005.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-006.01					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-006.02					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2008512-006.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-007.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008512-007.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-007.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-008.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008512-008.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-008.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-009.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008512-009.02					

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-009.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-010.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1549	R-001-S12 / KRUEST	
		9/21/2020	1040	In Lab / KRUEST	
		9/21/2020	1132	R-001-S12 / KRUEST	
R2008512-010.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-010.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-011.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/21/2020	1040	In Lab / KRUEST	
		9/21/2020	1132	R-001-S12 / KRUEST	
R2008512-011.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1549	R-001-S12 / KRUEST	
R2008512-011.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-012.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		9/17/2020	1549	R-001-S12 / KRUEST	
		9/21/2020	1040	In Lab / KRUEST	
		9/21/2020	1132	R-001-S12 / KRUEST	
R2008512-012.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-012.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-013.01					
	8260C				
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
		9/17/2020	1549	R-001-S12 / KRUEST	
		9/21/2020	1040	In Lab / KRUEST	
		9/21/2020	1132	R-001-S12 / KRUEST	
R2008512-013.02					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	SMO / GLAFORCE	
R2008512-013.03					
		9/16/2020	1541	R-001 / GLAFORCE	
		9/16/2020	1541	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
Project: Dover - Kirkwood/5101.0002
Service Request: R2008512

Sample Name: TB 09152020
Lab Code: R2008512-001
Sample Matrix: Water
Date Collected: 09/15/20
Date Received: 09/16/20

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MP-11 09152020
Lab Code: R2008512-002
Sample Matrix: Water
Date Collected: 09/15/20
Date Received: 09/16/20

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-31 09152020
Lab Code: R2008512-003
Sample Matrix: Water
Date Collected: 09/15/20
Date Received: 09/16/20

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MP-6D 09152020
Lab Code: R2008512-004
Sample Matrix: Water
Date Collected: 09/15/20
Date Received: 09/16/20

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MP-12 09152020
Lab Code: R2008512-005
Sample Matrix: Water
Date Collected: 09/15/20
Date Received: 09/16/20

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002		

Sample Name:	MW-32 09152020	**Date Collected:**	09/15/20
Lab Code:	R2008512-006	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MP-13 09152020	**Date Collected:**	09/15/20
Lab Code:	R2008512-007	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-35 09152020	**Date Collected:**	09/15/20
Lab Code:	R2008512-008	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MP-3D 09152020	**Date Collected:**	09/15/20
Lab Code:	R2008512-009	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-14 09152020	**Date Collected:**	09/15/20
Lab Code:	R2008512-010	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002		

Sample Name:	MW-39 09152020	**Date Collected:**	09/15/20
Lab Code:	R2008512-011	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MP-8D 09152020	**Date Collected:**	09/15/20
Lab Code:	R2008512-012	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	FB 09152020	**Date Collected:**	09/15/20
Lab Code:	R2008512-013	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

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
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www.alsglobal.com

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	TB 09152020	**Units:**	ug/L
Lab Code:	R2008512-001	**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	09/21/20 17:10	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 17:10	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 17:10	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 17:10	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 17:10	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 17:10	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 17:10	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 17:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/21/20 17:10	
Dibromofluoromethane	94	89 - 119	09/21/20 17:10	
Toluene-d8	100	87 - 121	09/21/20 17:10	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 10:25
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-31 09152020	**Units:**	ug/L
Lab Code:	R2008512-003	**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	09/18/20 03:53	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 03:53	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 03:53	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 03:53	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 03:53	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 03:53	
cis-1,2-Dichloroethene	**0.74 J**	1.0	0.23	1	09/18/20 03:53	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 03:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/18/20 03:53	
Dibromofluoromethane	93	89 - 119	09/18/20 03:53	
Toluene-d8	98	87 - 121	09/18/20 03:53	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 10:45
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-6D 09152020	**Units:**	ug/L
Lab Code:	R2008512-004	**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	09/18/20 04:15	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 04:15	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 04:15	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 04:15	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 04:15	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 04:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 04:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 04:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/18/20 04:15	
Dibromofluoromethane	92	89 - 119	09/18/20 04:15	
Toluene-d8	99	87 - 121	09/18/20 04:15	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 11:30
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-32 09152020	**Units:**	ug/L
Lab Code:	R2008512-006	**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	09/18/20 04:37	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 04:37	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 04:37	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 04:37	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 04:37	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 04:37	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 04:37	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 04:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 04:37	
Dibromofluoromethane	91	89 - 119	09/18/20 04:37	
Toluene-d8	99	87 - 121	09/18/20 04:37	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 12:50
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-35 09152020	**Units:**	ug/L
Lab Code:	R2008512-008	**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	09/18/20 04:58	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 04:58	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 04:58	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 04:58	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 04:58	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 04:58	
cis-1,2-Dichloroethene	**0.65 J**	1.0	0.23	1	09/18/20 04:58	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 04:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/18/20 04:58	
Dibromofluoromethane	94	89 - 119	09/18/20 04:58	
Toluene-d8	102	87 - 121	09/18/20 04:58	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 12:55
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-3D 09152020	**Units:**	ug/L
Lab Code:	R2008512-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/18/20 05:20	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 05:20	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 05:20	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 05:20	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 05:20	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 05:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 05:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 05:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 05:20	
Dibromofluoromethane	91	89 - 119	09/18/20 05:20	
Toluene-d8	95	87 - 121	09/18/20 05:20	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 16:10
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-14 09152020	**Units:**	ug/L
Lab Code:	R2008512-010	**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	09/21/20 17:53	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 17:53	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 17:53	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 17:53	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 17:53	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 17:53	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 17:53	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 17:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/21/20 17:53	
Dibromofluoromethane	93	89 - 119	09/21/20 17:53	
Toluene-d8	101	87 - 121	09/21/20 17:53	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 16:30
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-39 09152020	**Units:**	ug/L
Lab Code:	R2008512-011	**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	09/21/20 18:15	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 18:15	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 18:15	
Tetrachloroethene (PCE)	**0.44 J**	1.0	0.21	1	09/21/20 18:15	
Trichloroethene (TCE)	**2.0**	1.0	0.20	1	09/21/20 18:15	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 18:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 18:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 18:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/21/20 18:15	
Dibromofluoromethane	95	89 - 119	09/21/20 18:15	
Toluene-d8	100	87 - 121	09/21/20 18:15	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 16:40
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-8D 09152020	**Units:**	ug/L
Lab Code:	R2008512-012	**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	09/21/20 18:37	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 18:37	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 18:37	
Tetrachloroethene (PCE)	**1.9**	1.0	0.21	1	09/21/20 18:37	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 18:37	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 18:37	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 18:37	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 18:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/21/20 18:37	
Dibromofluoromethane	98	89 - 119	09/21/20 18:37	
Toluene-d8	102	87 - 121	09/21/20 18:37	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 17:05
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	FB 09152020	**Units:**	ug/L
Lab Code:	R2008512-013	**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	09/21/20 17:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 17:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 17:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 17:31	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 17:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 17:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 17:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 17:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/21/20 17:31	
Dibromofluoromethane	93	89 - 119	09/21/20 17:31	
Toluene-d8	100	87 - 121	09/21/20 17:31	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 09:05
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-11 09152020	**Units:**	ug/L
Lab Code:	R2008512-002	**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	09/18/20 06:04	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/18/20 06:04	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/18/20 06:04	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/18/20 06:04	
Trichloroethene (TCE)	10 U	10	2.0	10	09/18/20 06:04	
Vinyl Chloride	10 U	10	2.0	10	09/18/20 06:04	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/18/20 06:04	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/18/20 06:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/18/20 06:04	
Dibromofluoromethane	92	89 - 119	09/18/20 06:04	
Toluene-d8	98	87 - 121	09/18/20 06:04	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 10:50
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-12 09152020	**Units:**	ug/L
Lab Code:	R2008512-005	**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	09/18/20 06:26	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/18/20 06:26	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/18/20 06:26	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/18/20 06:26	
Trichloroethene (TCE)	10 U	10	2.0	10	09/18/20 06:26	
Vinyl Chloride	10 U	10	2.0	10	09/18/20 06:26	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/18/20 06:26	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/18/20 06:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/18/20 06:26	
Dibromofluoromethane	93	89 - 119	09/18/20 06:26	
Toluene-d8	99	87 - 121	09/18/20 06:26	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 12:45
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-13 09152020	**Units:**	ug/L
Lab Code:	R2008512-007	**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	09/18/20 05:42	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 05:42	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 05:42	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 05:42	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 05:42	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 05:42	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 05:42	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 05:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	09/18/20 05:42	
Dibromofluoromethane	90	89 - 119	09/18/20 05:42	
Toluene-d8	97	87 - 121	09/18/20 05:42	

QC Summary Forms

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

Volatile Organic Compounds by GC/MS

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

Client: Verina Consulting Group, LLC **Service Request:** R2008512
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 89-119	Toluene-d8 87-121
TB 09152020	R2008512-001	95	94	100
MW-31 09152020	R2008512-003	94	93	98
MP-6D 09152020	R2008512-004	92	92	99
MW-32 09152020	R2008512-006	93	91	99
MW-35 09152020	R2008512-008	97	94	102
MP-3D 09152020	R2008512-009	93	91	95
MW-14 09152020	R2008512-010	94	93	101
MW-39 09152020	R2008512-011	94	95	100
MP-8D 09152020	R2008512-012	96	98	102
FB 09152020	R2008512-013	94	93	100
Method Blank	RQ2010894-06	92	91	99
Method Blank	RQ2011043-04	94	95	100
Lab Control Sample	RQ2010894-03	93	91	97
Lab Control Sample	RQ2011043-03	98	102	102

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/17/20 22:47
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:** R-MS-12

Lab Code: RQ2010894-06 **File ID:** I:\ACQUDATA\msvoa12\Data\091720\P39758.D\

Analysis Method: 8260C **Analysis Lot:** 695489

Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2010894-03	I:\ACQUDATA\msvoa12\Data\091720\P39754.D\	09/17/20 21:19
MW-31 09152020	R2008512-003	I:\ACQUDATA\msvoa12\Data\091720\P39772.D\	09/18/20 03:53
MP-6D 09152020	R2008512-004	I:\ACQUDATA\msvoa12\Data\091720\P39773.D\	09/18/20 04:15
MW-32 09152020	R2008512-006	I:\ACQUDATA\msvoa12\Data\091720\P39774.D\	09/18/20 04:37
MW-35 09152020	R2008512-008	I:\ACQUDATA\msvoa12\Data\091720\P39775.D\	09/18/20 04:58
MP-3D 09152020	R2008512-009	I:\ACQUDATA\msvoa12\Data\091720\P39776.D\	09/18/20 05:20

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/21/20 12:19
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-12
Lab Code:	RQ2011043-04	**File ID:**	I:\ACQUDATA\msvoa12\Data\092120\P39861.D\
Analysis Method:	8260C	**Analysis Lot:**	695858
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2011043-03	I:\ACQUDATA\msvoa12\Data\092120\P39858.D\	09/21/20 11:08
TB 09152020	R2008512-001	I:\ACQUDATA\msvoa12\Data\092120\P39874.D\	09/21/20 17:10
FB 09152020	R2008512-013	I:\ACQUDATA\msvoa12\Data\092120\P39875.D\	09/21/20 17:31
MW-14 09152020	R2008512-010	I:\ACQUDATA\msvoa12\Data\092120\P39876.D\	09/21/20 17:53
MW-39 09152020	R2008512-011	I:\ACQUDATA\msvoa12\Data\092120\P39877.D\	09/21/20 18:15
MP-8D 09152020	R2008512-012	I:\ACQUDATA\msvoa12\Data\092120\P39878.D\	09/21/20 18:37

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2010894-06	**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	09/17/20 22:47	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/17/20 22:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/17/20 22:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/20 22:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/17/20 22:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/20 22:47	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/17/20 22:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/17/20 22:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/17/20 22:47	
Dibromofluoromethane	91	89 - 119	09/17/20 22:47	
Toluene-d8	99	87 - 121	09/17/20 22:47	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2011043-04	**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	09/21/20 12:19	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 12:19	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 12:19	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 12:19	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 12:19	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 12:19	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 12:19	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 12:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/21/20 12:19	
Dibromofluoromethane	95	89 - 119	09/21/20 12:19	
Toluene-d8	100	87 - 121	09/21/20 12:19	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/17/20 21:19
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-12
Lab Code:	RQ2010894-03	**File ID:**	I:\ACQUDATA\msvoa12\Data\091720\P39754.D\
Analysis Method:	8260C	**Analysis Lot:**	695489
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2010894-06	I:\ACQUDATA\msvoa12\Data\091720\P39758.D\	09/17/20 22:47
MW-31 09152020	R2008512-003	I:\ACQUDATA\msvoa12\Data\091720\P39772.D\	09/18/20 03:53
MP-6D 09152020	R2008512-004	I:\ACQUDATA\msvoa12\Data\091720\P39773.D\	09/18/20 04:15
MW-32 09152020	R2008512-006	I:\ACQUDATA\msvoa12\Data\091720\P39774.D\	09/18/20 04:37
MW-35 09152020	R2008512-008	I:\ACQUDATA\msvoa12\Data\091720\P39775.D\	09/18/20 04:58
MP-3D 09152020	R2008512-009	I:\ACQUDATA\msvoa12\Data\091720\P39776.D\	09/18/20 05:20

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/21/20 11:08
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-12
Lab Code:	RQ2011043-03	**File ID:**	I:\ACQUDATA\msvoa12\Data\092120\P39858.D\
Analysis Method:	8260C	**Analysis Lot:**	695858
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2011043-04	I:\ACQUDATA\msvoa12\Data\092120\P39861.D\	09/21/20 12:19
TB 09152020	R2008512-001	I:\ACQUDATA\msvoa12\Data\092120\P39874.D\	09/21/20 17:10
FB 09152020	R2008512-013	I:\ACQUDATA\msvoa12\Data\092120\P39875.D\	09/21/20 17:31
MW-14 09152020	R2008512-010	I:\ACQUDATA\msvoa12\Data\092120\P39876.D\	09/21/20 17:53
MW-39 09152020	R2008512-011	I:\ACQUDATA\msvoa12\Data\092120\P39877.D\	09/21/20 18:15
MP-8D 09152020	R2008512-012	I:\ACQUDATA\msvoa12\Data\092120\P39878.D\	09/21/20 18:37

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

Service Request: R2008512
Date Analyzed: 09/17/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2010894-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.3	20.0	96	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	21.6	20.0	108	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	22.5	20.0	113	71-118
Tetrachloroethene (PCE)	8260C	17.4	20.0	87	72-125
Trichloroethene (TCE)	8260C	16.8	20.0	84	74-122
Vinyl Chloride	8260C	19.7	20.0	99	74-159
cis-1,2-Dichloroethene	8260C	21.9	20.0	110	80-121
trans-1,2-Dichloroethene	8260C	22.3	20.0	111	73-118

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

Service Request: R2008512
Date Analyzed: 09/21/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2011043-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.5	20.0	103	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	23.0	20.0	115	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	24.8	20.0	124 *	71-118
Tetrachloroethene (PCE)	8260C	20.1	20.0	101	72-125
Trichloroethene (TCE)	8260C	18.8	20.0	94	74-122
Vinyl Chloride	8260C	23.2	20.0	116	74-159
cis-1,2-Dichloroethene	8260C	22.8	20.0	114	80-121
trans-1,2-Dichloroethene	8260C	23.7	20.0	118	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/17/20 20:36

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\091720\P39752.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-12 **Analysis Lot:** 695489

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.43	28487	Pass
75	95	30	60	49.58	81029	Pass
95	95	100	100	100.00	163443	Pass
96	95	5	9	6.10	9964	Pass
173	174	0	2	1.51	1792	Pass
174	95	50	120	72.45	118416	Pass
175	174	5	9	7.39	8754	Pass
176	174	95	101	97.81	115824	Pass
177	176	5	9	6.33	7328	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2010894-02	I:\ACQUDATA\msvoa12\Data\091720\P39753.D\	09/17/20 20:58	
Lab Control Sample	RQ2010894-03	I:\ACQUDATA\msvoa12\Data\091720\P39754.D\	09/17/20 21:19	
Method Blank	RQ2010894-06	I:\ACQUDATA\msvoa12\Data\091720\P39758.D\	09/17/20 22:47	
MW-31 09152020	R2008512-003	I:\ACQUDATA\msvoa12\Data\091720\P39772.D\	09/18/20 03:53	
MP-6D 09152020	R2008512-004	I:\ACQUDATA\msvoa12\Data\091720\P39773.D\	09/18/20 04:15	
MW-32 09152020	R2008512-006	I:\ACQUDATA\msvoa12\Data\091720\P39774.D\	09/18/20 04:37	
MW-35 09152020	R2008512-008	I:\ACQUDATA\msvoa12\Data\091720\P39775.D\	09/18/20 04:58	
MP-3D 09152020	R2008512-009	I:\ACQUDATA\msvoa12\Data\091720\P39776.D\	09/18/20 05:20	

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 10:11

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\092120\P39856.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-12 **Analysis Lot:** 695858

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	19.62	32795	Pass
75	95	30	60	52.00	86917	Pass
95	95	100	100	100.00	167133	Pass
96	95	5	9	6.86	11460	Pass
173	174	0	2	1.16	1364	Pass
174	95	50	120	70.46	117755	Pass
175	174	5	9	7.35	8655	Pass
176	174	95	101	98.67	116192	Pass
177	176	5	9	6.71	7792	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2011043-02	I:\ACQUDATA\msvoa12\Data\092120\P39857.D\	09/21/20 10:40	
Lab Control Sample	RQ2011043-03	I:\ACQUDATA\msvoa12\Data\092120\P39858.D\	09/21/20 11:08	
Method Blank	RQ2011043-04	I:\ACQUDATA\msvoa12\Data\092120\P39861.D\	09/21/20 12:19	
TB 09152020	R2008512-001	I:\ACQUDATA\msvoa12\Data\092120\P39874.D\	09/21/20 17:10	
FB 09152020	R2008512-013	I:\ACQUDATA\msvoa12\Data\092120\P39875.D\	09/21/20 17:31	
MW-14 09152020	R2008512-010	I:\ACQUDATA\msvoa12\Data\092120\P39876.D\	09/21/20 17:53	
MW-39 09152020	R2008512-011	I:\ACQUDATA\msvoa12\Data\092120\P39877.D\	09/21/20 18:15	
MP-8D 09152020	R2008512-012	I:\ACQUDATA\msvoa12\Data\092120\P39878.D\	09/21/20 18:37	

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/17/20 20:58

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

File ID: I:\ACQUDATA\msvoa12\Data\091720\P39753.D\ **Lab Code:**RQ2010894-02
Instrument ID: R-MS-12 **Analysis Lot:**695489
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	249,058	11.83	521,122	6.52	477,688	9.80
	Upper Limit ==>	498,116	12.00	1,042,244	6.69	955,376	9.97
	Lower Limit ==>	124,529	11.66	260,561	6.35	238,844	9.63
Associated Analyses							
Lab Control Sample	RQ2010894-03	232861	11.83	522857	6.52	471408	9.80
Method Blank	RQ2010894-06	195861	11.84	461360	6.52	414608	9.80
MW-31 09152020	R2008512-003	214518	11.84	474818	6.52	428508	9.80
MP-6D 09152020	R2008512-004	202813	11.84	461269	6.53	412539	9.80
MW-32 09152020	R2008512-006	204705	11.83	474877	6.52	422586	9.80
MW-35 09152020	R2008512-008	193984	11.83	445976	6.53	398557	9.80
MP-3D 09152020	R2008512-009	206627	11.83	476971	6.52	426267	9.80

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:** 09/17/20 20:58

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

File ID: I:\ACQUDATA\msvoa12\Data\091720\P39753.D\ **Lab Code:** RQ2010894-02
Instrument ID: R-MS-12 **Analysis Lot:** 695489
Analysis Method: 8260C **Signal ID:** 1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	311,465	5.44
	Upper Limit ==>	622,930	5.61
	Lower Limit ==>	155,733	5.27
Associated Analyses			
Lab Control Sample	RQ2010894-03	316408	5.45
Method Blank	RQ2010894-06	278325	5.45
MW-31 09152020	R2008512-003	277267	5.44
MP-6D 09152020	R2008512-004	275381	5.45
MW-32 09152020	R2008512-006	282342	5.44
MW-35 09152020	R2008512-008	262407	5.45
MP-3D 09152020	R2008512-009	282744	5.45

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 10:40

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

File ID: I:\ACQUDATA\msvoa12\Data\092120\P39857.D\ **Lab Code:**RQ2011043-02
Instrument ID: R-MS-12 **Analysis Lot:**695858
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	265,279	11.83	519,016	6.52	478,632	9.80
	Upper Limit ==>	530,558	12.00	1,038,032	6.69	957,264	9.97
	Lower Limit ==>	132,640	11.66	259,508	6.35	239,316	9.63
Associated Analyses							
Lab Control Sample	RQ2011043-03	245294	11.83	524901	6.52	475335	9.80
Method Blank	RQ2011043-04	223542	11.83	499314	6.52	457241	9.80
TB 09152020	R2008512-001	231497	11.83	496464	6.52	453869	9.80
FB 09152020	R2008512-013	226695	11.83	512298	6.52	458035	9.80
MW-14 09152020	R2008512-010	223958	11.84	493251	6.52	442037	9.80
MW-39 09152020	R2008512-011	228475	11.83	508554	6.52	461942	9.80
MP-8D 09152020	R2008512-012	230820	11.83	505362	6.52	462395	9.80

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 10:40

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

File ID: I:\ACQUDATA\msvoa12\Data\092120\P39857.D\ **Lab Code:**RQ2011043-02
Instrument ID: R-MS-12 **Analysis Lot:**695858
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	321,999	5.45
	Upper Limit ==>	643,998	5.62
	Lower Limit ==>	161,000	5.28
Associated Analyses			
Lab Control Sample	RQ2011043-03	327140	5.45
Method Blank	RQ2011043-04	308501	5.45
TB 09152020	R2008512-001	305969	5.45
FB 09152020	R2008512-013	317339	5.45
MW-14 09152020	R2008512-010	300105	5.45
MW-39 09152020	R2008512-011	302359	5.44
MP-8D 09152020	R2008512-012	304368	5.44

Client: Verina Consulting Group, LLC **Service Request:** R2008512
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 89-119	Toluene-d8 87-121
MP-11 09152020	R2008512-002	92	92	98
MP-12 09152020	R2008512-005	92	93	99
MP-13 09152020	R2008512-007	91	90	97
Method Blank	RQ2010894-05	93	93	98
Lab Control Sample	RQ2010894-04	94	92	96

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/17/20 22:25
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name:	Method Blank	**Instrument ID:**	R-MS-12
Lab Code:	RQ2010894-05	**File ID:**	I:\ACQUDATA\msvoa12\Data\091720\P39757.D\
Analysis Method:	8260C	**Analysis Lot:**	695489
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2010894-04	I:\ACQUDATA\msvoa12\Data\091720\P39755.D\	09/17/20 21:41
MP-13 09152020	R2008512-007	I:\ACQUDATA\msvoa12\Data\091720\P39777.D\	09/18/20 05:42
MP-11 09152020	R2008512-002	I:\ACQUDATA\msvoa12\Data\091720\P39778.D\	09/18/20 06:04
MP-12 09152020	R2008512-005	I:\ACQUDATA\msvoa12\Data\091720\P39779.D\	09/18/20 06:26

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2010894-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/17/20 22:25	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/17/20 22:25	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/17/20 22:25	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/20 22:25	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/17/20 22:25	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/20 22:25	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/17/20 22:25	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/17/20 22:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/17/20 22:25	
Dibromofluoromethane	93	89 - 119	09/17/20 22:25	
Toluene-d8	98	87 - 121	09/17/20 22:25	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/17/20 21:41
Sample Matrix:	Water	**Date Extracted:**	

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

Sample Name: Lab Control Sample
Lab Code: RQ2010894-04
Instrument ID: R-MS-12
File ID: I:\ACQUDATA\msvoa12\Data\091720\P39755.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 695489

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2010894-05	I:\ACQUDATA\msvoa12\Data\091720\P39757.D\	09/17/20 22:25
MP-13 09152020	R2008512-007	I:\ACQUDATA\msvoa12\Data\091720\P39777.D\	09/18/20 05:42
MP-11 09152020	R2008512-002	I:\ACQUDATA\msvoa12\Data\091720\P39778.D\	09/18/20 06:04
MP-12 09152020	R2008512-005	I:\ACQUDATA\msvoa12\Data\091720\P39779.D\	09/18/20 06:26

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

Service Request: R2008512
Date Analyzed: 09/17/20

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2010894-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.1	20.0	101	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	21.8	20.0	109	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	24.7	20.0	123 *	71-118
Tetrachloroethene (PCE)	8260C	17.4	20.0	87	72-125
Trichloroethene (TCE)	8260C	18.7	20.0	94	74-122
Vinyl Chloride	8260C	21.9	20.0	110	74-159
cis-1,2-Dichloroethene	8260C	22.6	20.0	113	80-121
trans-1,2-Dichloroethene	8260C	23.1	20.0	116	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/17/20 20:36

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa12\Data\091720\P39752.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-12 **Analysis Lot:** 695489

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.43	28487	Pass
75	95	30	60	49.58	81029	Pass
95	95	100	100	100.00	163443	Pass
96	95	5	9	6.10	9964	Pass
173	174	0	2	1.51	1792	Pass
174	95	50	120	72.45	118416	Pass
175	174	5	9	7.39	8754	Pass
176	174	95	101	97.81	115824	Pass
177	176	5	9	6.33	7328	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2010894-02	I:\ACQUDATA\msvoa12\Data\091720\P39753.D\	09/17/20 20:58	
Lab Control Sample	RQ2010894-04	I:\ACQUDATA\msvoa12\Data\091720\P39755.D\	09/17/20 21:41	
Method Blank	RQ2010894-05	I:\ACQUDATA\msvoa12\Data\091720\P39757.D\	09/17/20 22:25	
MP-13 09152020	R2008512-007	I:\ACQUDATA\msvoa12\Data\091720\P39777.D\	09/18/20 05:42	
MP-11 09152020	R2008512-002	I:\ACQUDATA\msvoa12\Data\091720\P39778.D\	09/18/20 06:04	
MP-12 09152020	R2008512-005	I:\ACQUDATA\msvoa12\Data\091720\P39779.D\	09/18/20 06:26	

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/17/20 20:58

Internal Standard Area and RT SUMMARY

Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa12\Data\091720\P39753.D\ **Lab Code:**RQ2010894-02
Instrument ID: R-MS-12 **Analysis Lot:**695489
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	249,058	11.83	521,122	6.52	477,688	9.80
	Upper Limit ==>	498,116	12.00	1,042,244	6.69	955,376	9.97
	Lower Limit ==>	124,529	11.66	260,561	6.35	238,844	9.63
Associated Analyses							
Lab Control Sample	RQ2010894-04	237992	11.83	518206	6.52	461332	9.80
Method Blank	RQ2010894-05	214738	11.84	488954	6.52	438039	9.80
MP-13 09152020	R2008512-007	210656	11.84	488273	6.52	435739	9.80
MP-11 09152020	R2008512-002	198713	11.83	465902	6.52	408135	9.80
MP-12 09152020	R2008512-005	206833	11.83	469115	6.52	422343	9.80

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/17/20 20:58

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

File ID: I:\ACQUDATA\msvoa12\Data\091720\P39753.D\ **Lab Code:**RQ2010894-02
Instrument ID: R-MS-12 **Analysis Lot:**695489
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	311,465	5.44
	Upper Limit ==>	622,930	5.61
	Lower Limit ==>	155,733	5.27
Associated Analyses			
Lab Control Sample	RQ2010894-04	308394	5.44
Method Blank	RQ2010894-05	289069	5.45
MP-13 09152020	R2008512-007	287969	5.44
MP-11 09152020	R2008512-002	269869	5.45
MP-12 09152020	R2008512-005	277763	5.44

Raw Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	TB 09152020	**Units:**	ug/L
Lab Code:	R2008512-001	**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	09/21/20 17:10	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 17:10	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 17:10	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 17:10	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 17:10	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 17:10	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 17:10	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 17:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/21/20 17:10	
Dibromofluoromethane	94	89 - 119	09/21/20 17:10	
Toluene-d8	100	87 - 121	09/21/20 17:10	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 10:25
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-31 09152020	**Units:**	ug/L
Lab Code:	R2008512-003	**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	09/18/20 03:53	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/18/20 03:53	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/18/20 03:53	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/18/20 03:53	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/18/20 03:53	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/18/20 03:53	
cis-1,2-Dichloroethene	**0.74**	**J**	1.0	0.23	1	09/18/20 03:53	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/18/20 03:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/18/20 03:53	
Dibromofluoromethane	93	89 - 119	09/18/20 03:53	
Toluene-d8	98	87 - 121	09/18/20 03:53	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 10:45
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-6D 09152020	**Units:**	ug/L
Lab Code:	R2008512-004	**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	09/18/20 04:15	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 04:15	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 04:15	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 04:15	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 04:15	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 04:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 04:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 04:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/18/20 04:15	
Dibromofluoromethane	92	89 - 119	09/18/20 04:15	
Toluene-d8	99	87 - 121	09/18/20 04:15	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 11:30
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-32 09152020	**Units:**	ug/L
Lab Code:	R2008512-006	**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	09/18/20 04:37	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 04:37	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 04:37	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 04:37	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 04:37	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 04:37	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 04:37	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 04:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 04:37	
Dibromofluoromethane	91	89 - 119	09/18/20 04:37	
Toluene-d8	99	87 - 121	09/18/20 04:37	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 12:50
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-35 09152020	**Units:**	ug/L
Lab Code:	R2008512-008	**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	09/18/20 04:58	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 04:58	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 04:58	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 04:58	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 04:58	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 04:58	
cis-1,2-Dichloroethene	**0.65 J**	1.0	0.23	1	09/18/20 04:58	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 04:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/18/20 04:58	
Dibromofluoromethane	94	89 - 119	09/18/20 04:58	
Toluene-d8	102	87 - 121	09/18/20 04:58	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 12:55
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-3D 09152020	**Units:**	ug/L
Lab Code:	R2008512-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/18/20 05:20	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 05:20	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 05:20	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 05:20	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 05:20	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 05:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 05:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 05:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 05:20	
Dibromofluoromethane	91	89 - 119	09/18/20 05:20	
Toluene-d8	95	87 - 121	09/18/20 05:20	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 16:10
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-14 09152020	**Units:**	ug/L
Lab Code:	R2008512-010	**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	09/21/20 17:53	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 17:53	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 17:53	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 17:53	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 17:53	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 17:53	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 17:53	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 17:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/21/20 17:53	
Dibromofluoromethane	93	89 - 119	09/21/20 17:53	
Toluene-d8	101	87 - 121	09/21/20 17:53	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 16:30
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-39 09152020	**Units:**	ug/L
Lab Code:	R2008512-011	**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	09/21/20 18:15	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 18:15	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 18:15	
Tetrachloroethene (PCE)	**0.44 J**	1.0	0.21	1	09/21/20 18:15	
Trichloroethene (TCE)	**2.0**	1.0	0.20	1	09/21/20 18:15	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 18:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 18:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 18:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/21/20 18:15	
Dibromofluoromethane	95	89 - 119	09/21/20 18:15	
Toluene-d8	100	87 - 121	09/21/20 18:15	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 16:40
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-8D 09152020	**Units:**	ug/L
Lab Code:	R2008512-012	**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	09/21/20 18:37	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 18:37	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 18:37	
Tetrachloroethene (PCE)	**1.9**	1.0	0.21	1	09/21/20 18:37	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 18:37	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 18:37	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 18:37	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 18:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/21/20 18:37	
Dibromofluoromethane	98	89 - 119	09/21/20 18:37	
Toluene-d8	102	87 - 121	09/21/20 18:37	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 17:05
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	FB 09152020	**Units:**	ug/L
Lab Code:	R2008512-013	**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	09/21/20 17:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 17:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 17:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 17:31	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 17:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 17:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 17:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 17:31	

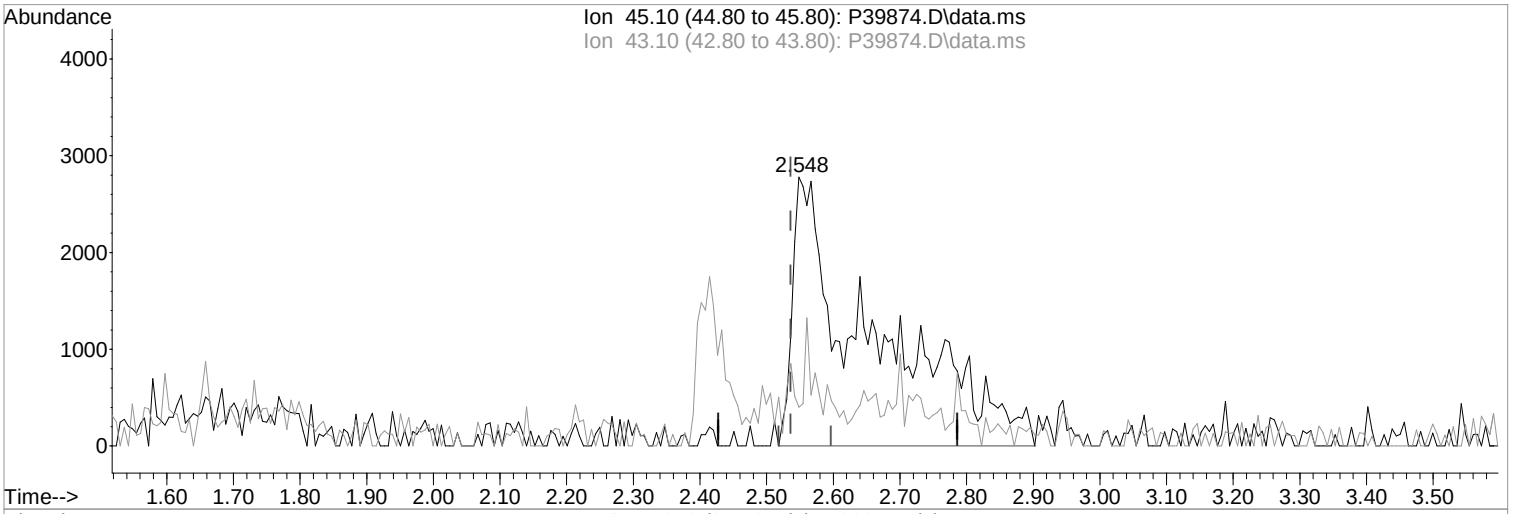
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/21/20 17:31	
Dibromofluoromethane	93	89 - 119	09/21/20 17:31	
Toluene-d8	100	87 - 121	09/21/20 17:31	

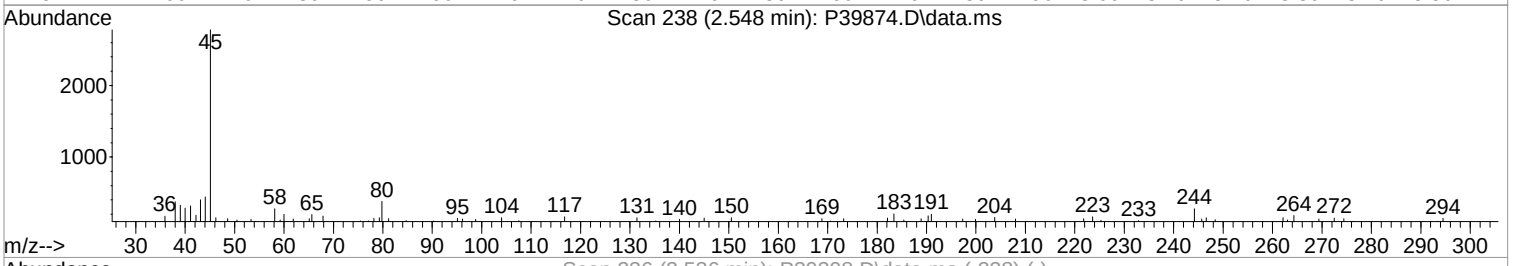
1st 09/23/20
2nd 09/24/20

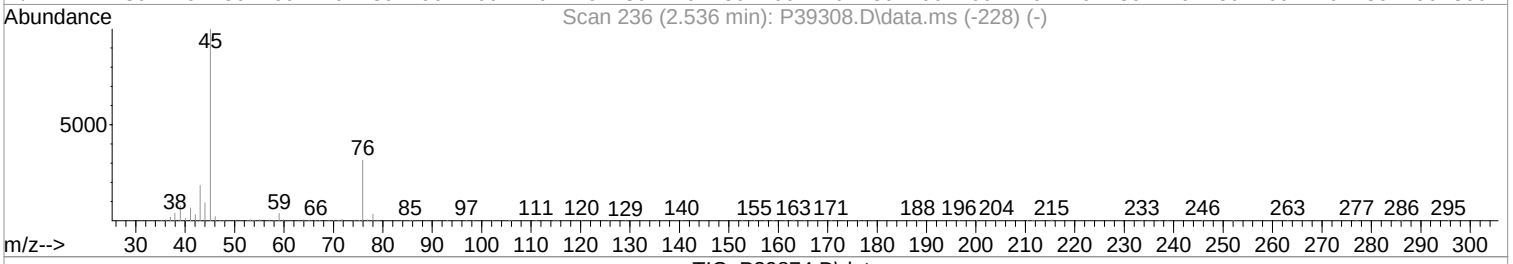
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39874.D
Acq On : 21 Sep 2020 5:10 pm
Operator : K.Ruest
Sample : R2008512-001|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 21 17:45:46 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39874.D\data.ms

(16) 2-Propanol

2.548min (+0.012) 62.24 ppb m

response 22793

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	14.42
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

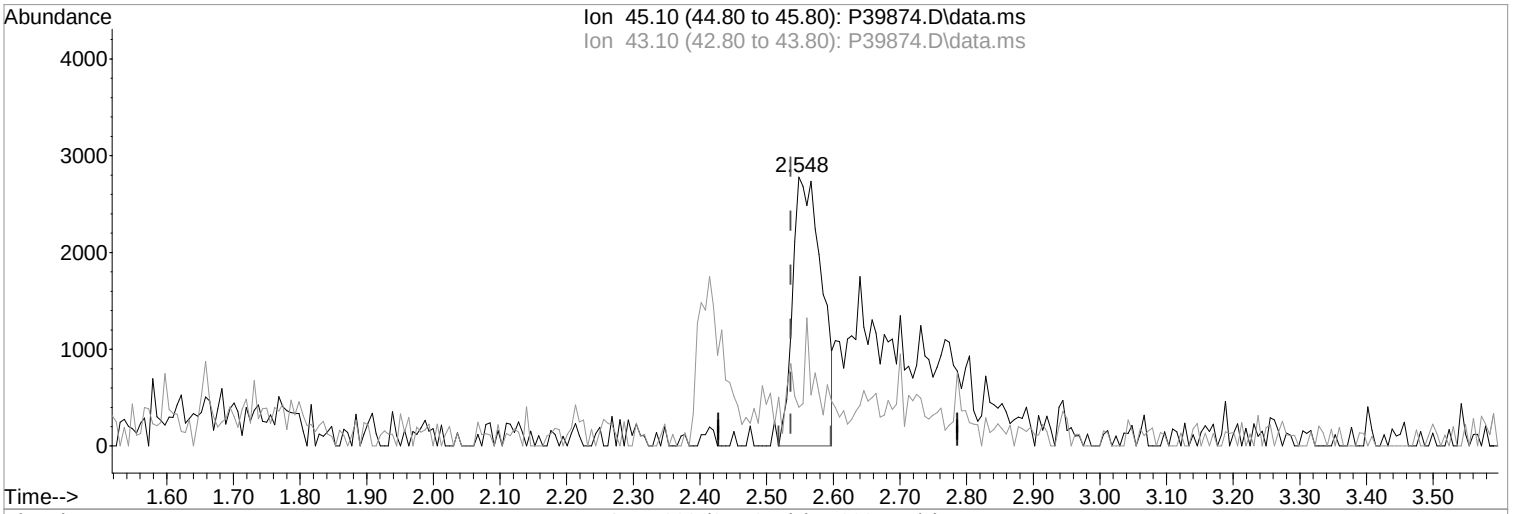
Poor integration.

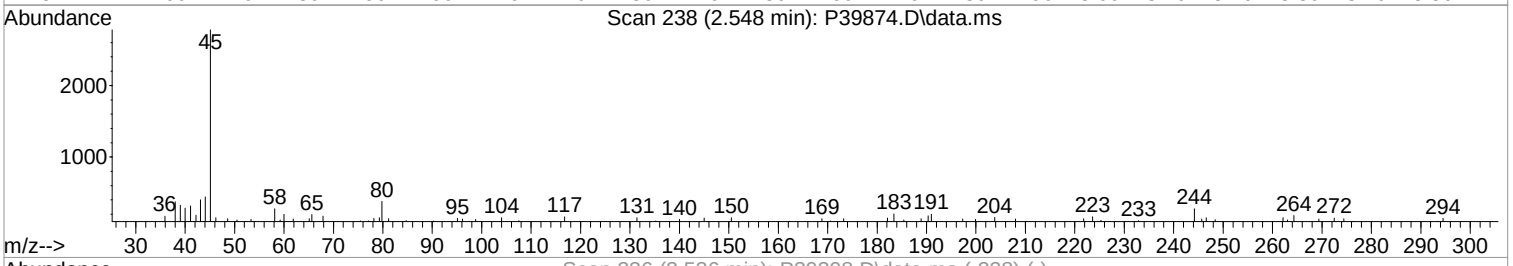
09/23/20

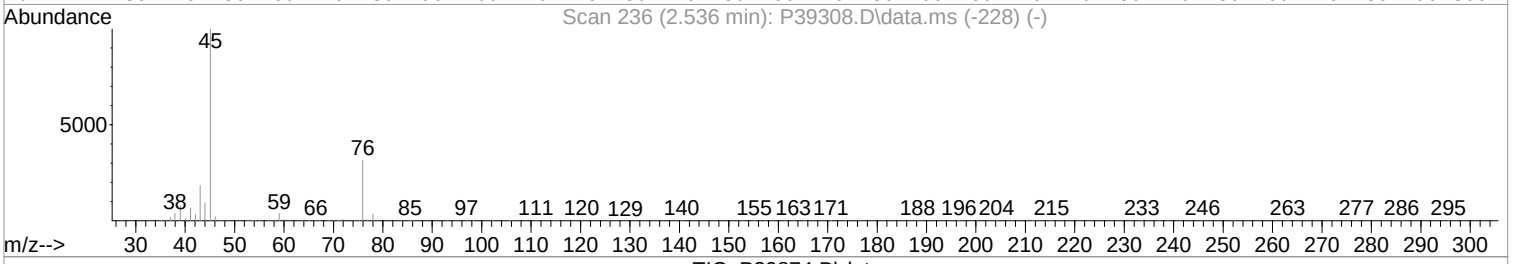
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39874.D
Acq On : 21 Sep 2020 5:10 pm
Operator : K.Ruest
Sample : R2008512-001|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 21 17:45:46 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39874.D\data.ms

(16) 2-Propanol

2.548min (+0.012) 22.87 ppb

response 8377

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	14.42
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39874.D
Acq On : 21 Sep 2020 5:10 pm
Operator : K.Ruest
Sample : R2008512-001|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 17:27:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

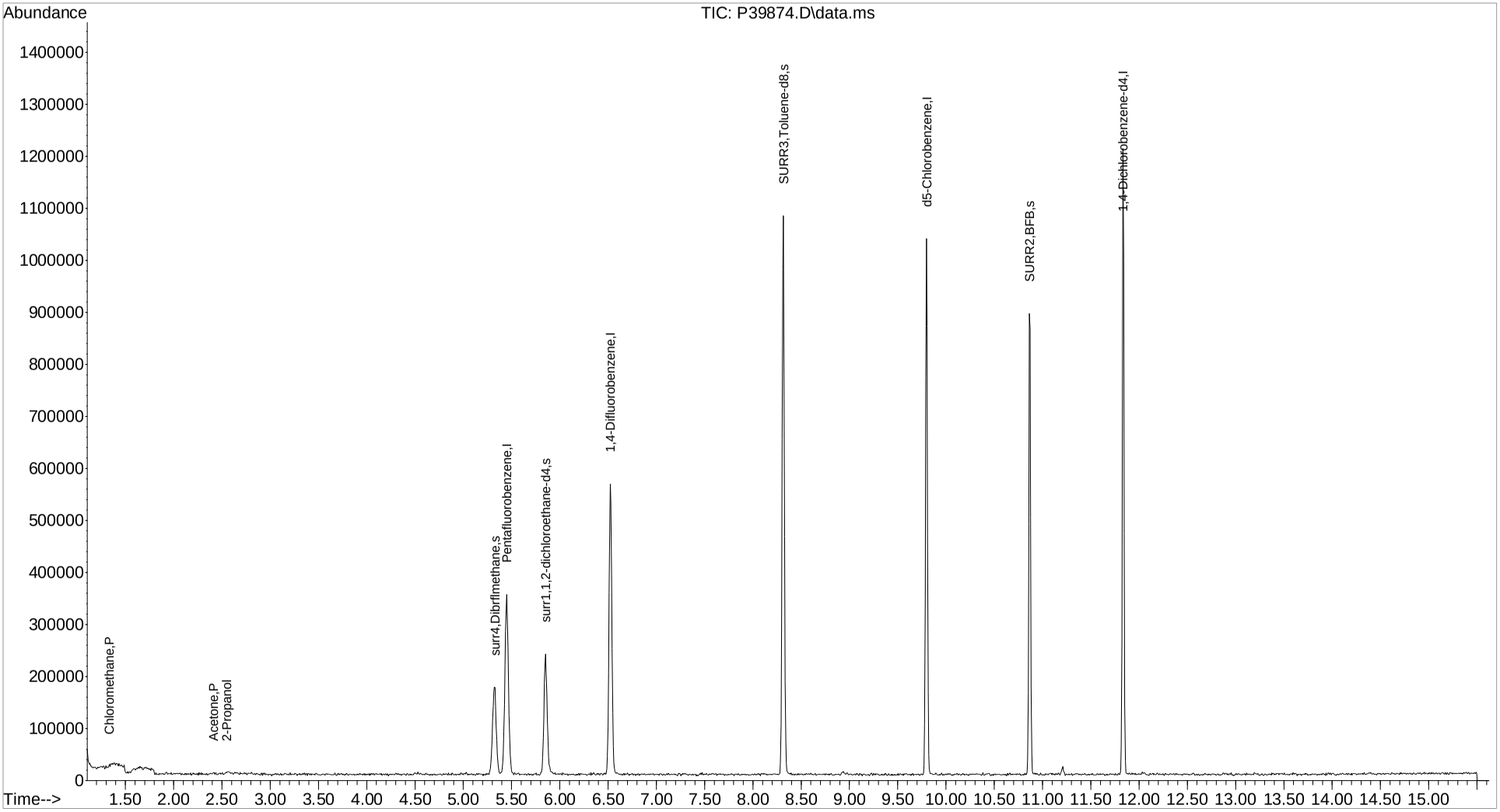
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	305969	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	496464	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	453869	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	231497	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.328	113	136927	46.99	ppb	0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.98%			
48) surr1,1,2-dichloroetha...	5.853	65	194300	49.94	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.88%			
65) SURR3,Toluene-d8	8.316	98	659721	49.81	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.62%			
70) SURR2,BFB	10.864	95	244440	47.58	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.16%			
Target Compounds						Qvalue
3) Chloromethane	1.329	50	1347	0.32	ppb	99
15) Acetone	2.414	43	4932	3.35	ppb	89
16) 2-Propanol	2.548	45	22793m	62.24	ppb	

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

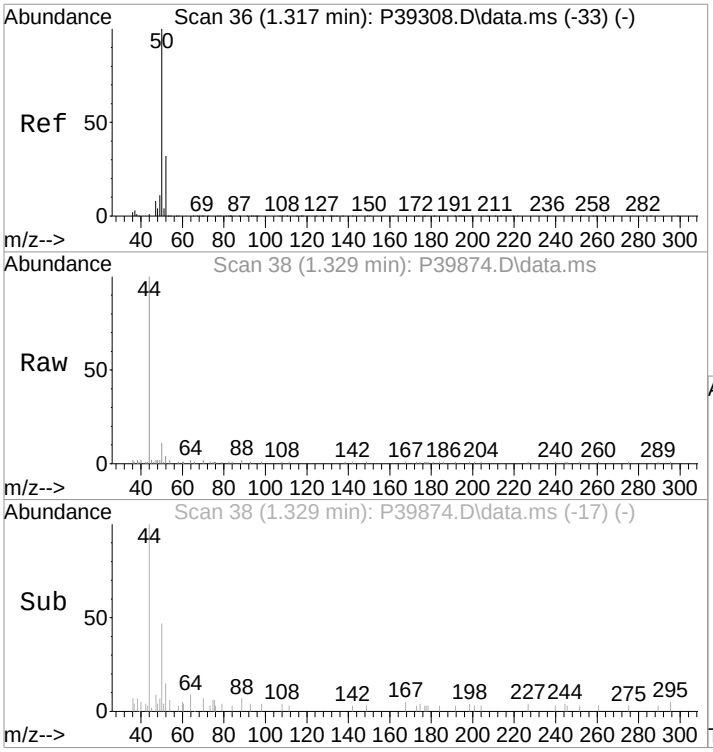
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39874.D
Acq On : 21 Sep 2020 5:10 pm
Operator : K.Ruest
Sample : R2008512-001|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 17:27:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



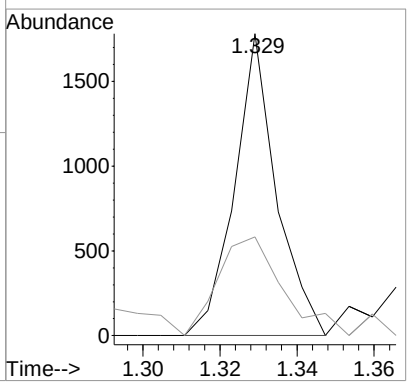
1st 09/23/20
2nd 09/24/20

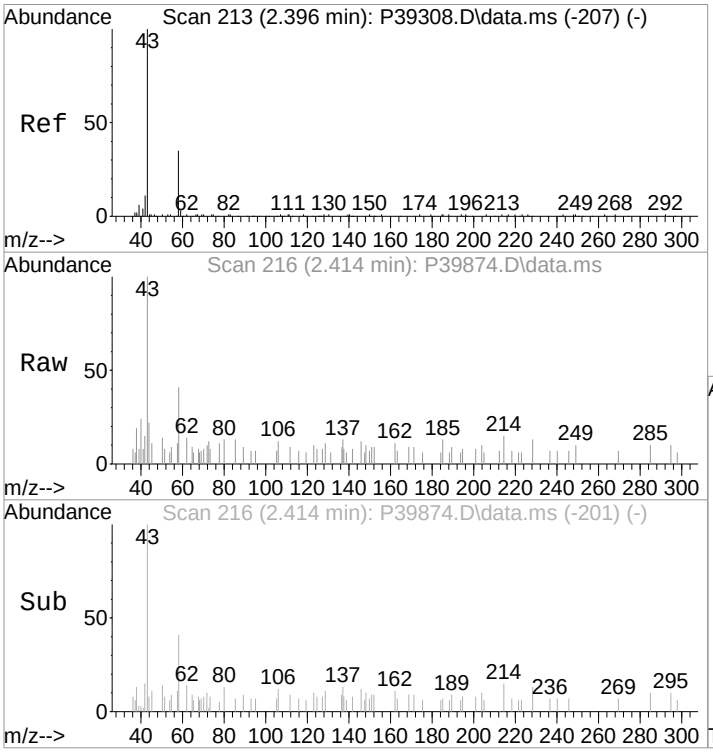


#3
Chloromethane
Concen: 0.32 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P39874.D
Acq: 21 Sep 2020 5:10 pm

Tgt Ion: 50 Resp: 1347

Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.1	52.1

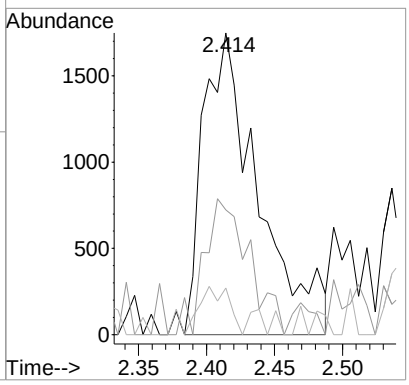


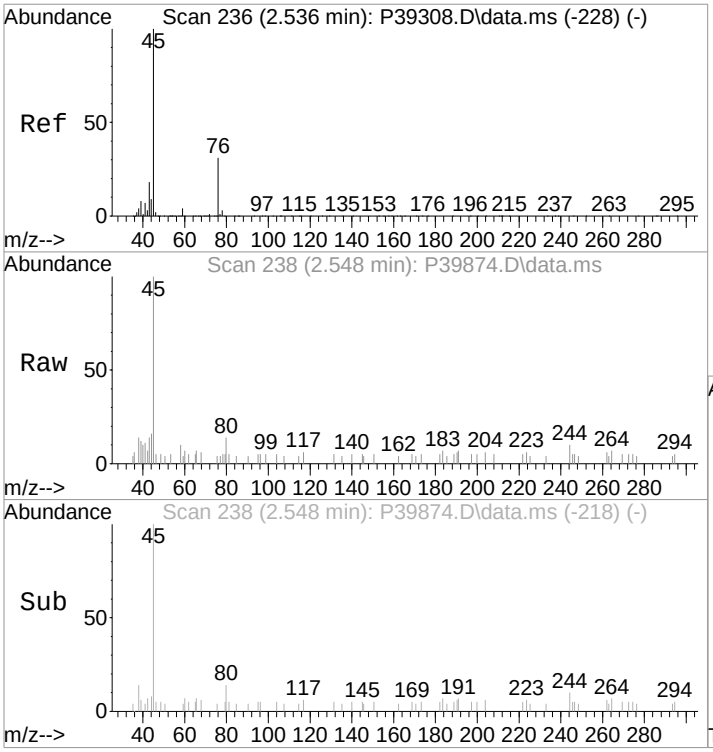


#15
Acetone
Concen: 3.35 ppb
RT: 2.414 min Scan# 216
Delta R.T. 0.018 min
Lab File: P39874.D
Acq: 21 Sep 2020 5:10 pm

Tgt Ion: 43 Resp: 4932

Ion	Ratio	Lower	Upper
43	100		
58	41.3	14.8	54.8
42	15.5	0.0	31.4

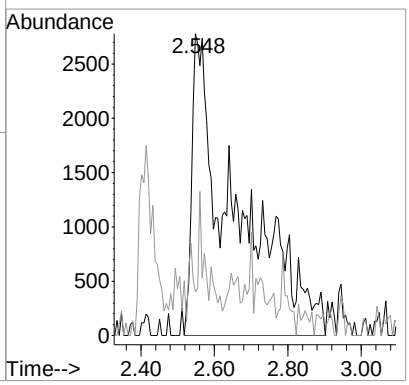




#16
2-Propanol
Concen: 62.24 ppb m
RT: 2.548 min Scan# 238
Delta R.T. 0.012 min
Lab File: P39874.D
Acq: 21 Sep 2020 5:10 pm

Tgt Ion: 45 Resp: 22793

Ion	Ratio	Lower	Upper
45	100		
43	14.4	3.1	43.1

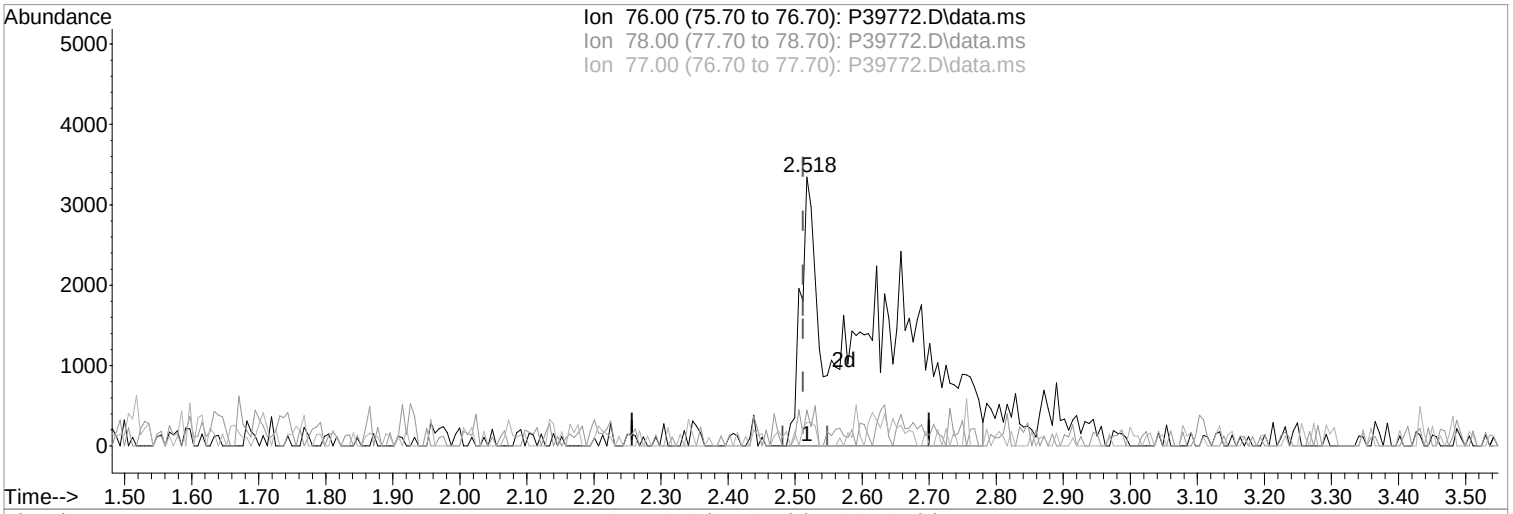


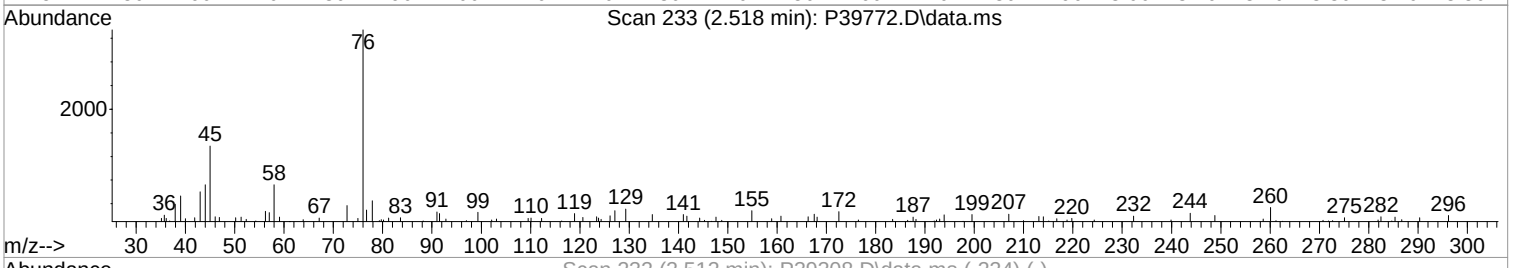
1st 09/22/20
2nd 09/22/20

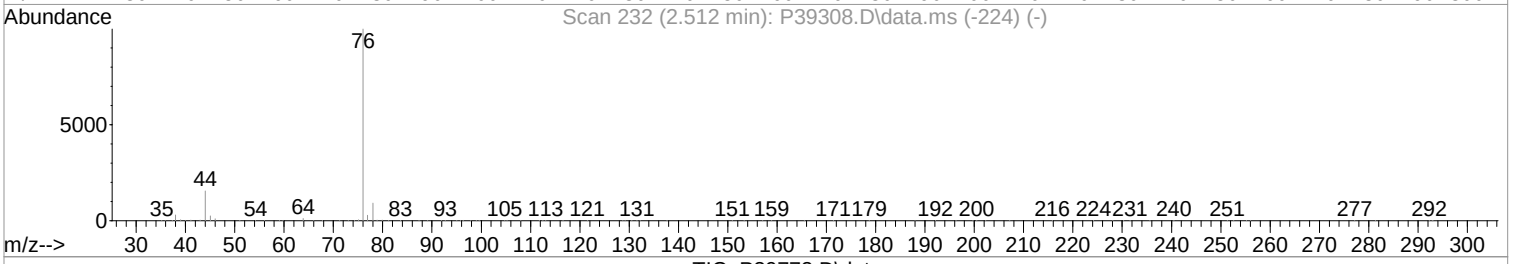
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39772.D
Acq On : 18 Sep 2020 3:53 am
Operator : K.Ruest
Sample : R2008512-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 18 10:45:12 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39772.D\data.ms

(18) Carbon Disulfide (P)

2.518min (+0.006) 3.19 ppb m

response 22408

Ion	Exp%	Act%
76.00	100	100
78.00	9.10	13.42
77.00	2.80	8.76
0.00	0.00	0.00

Manual Integration:

After

Other - so2 interference

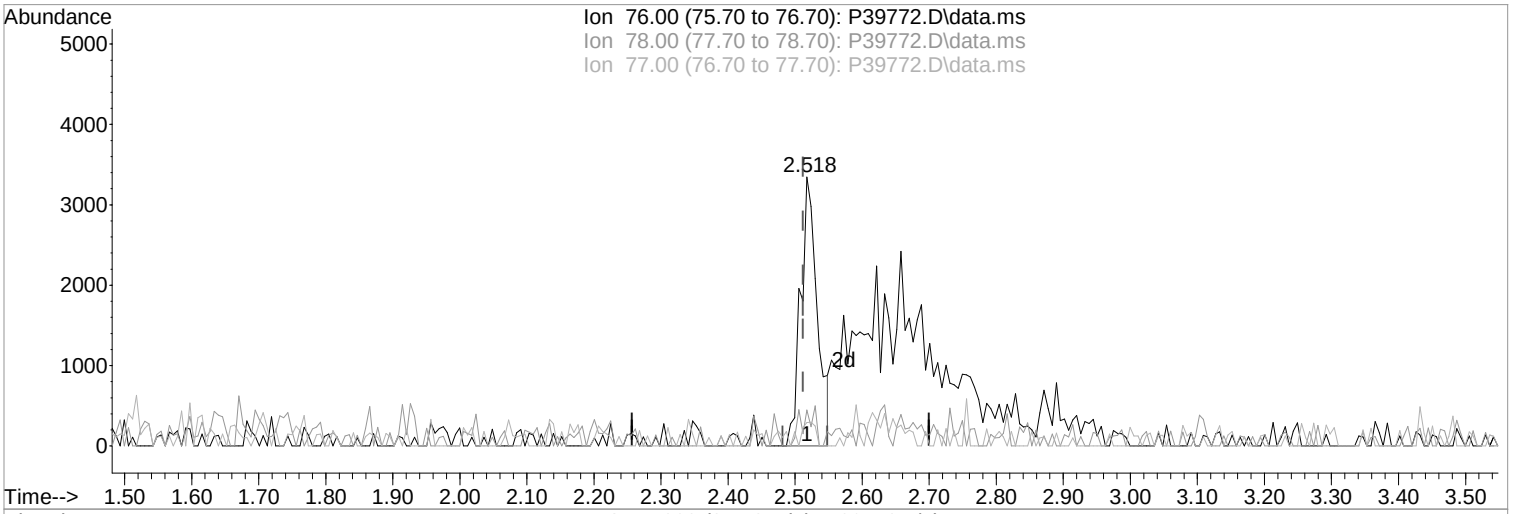
09/22/20

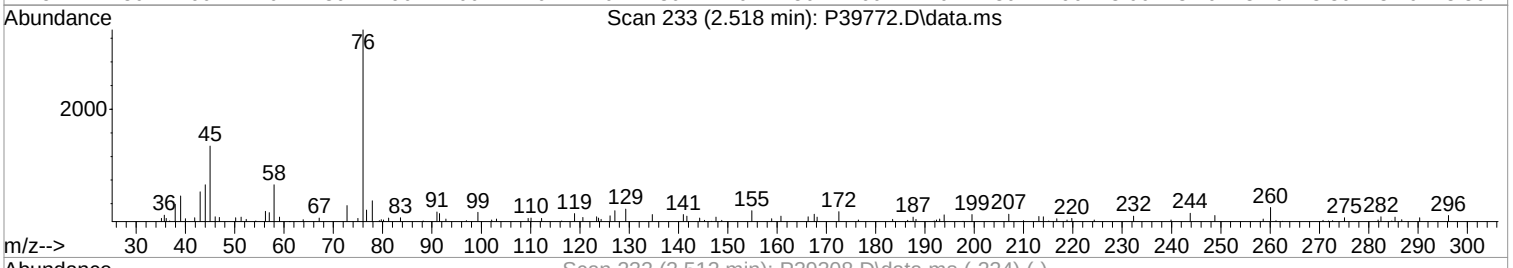
1st 09/22/20
2nd 09/22/20

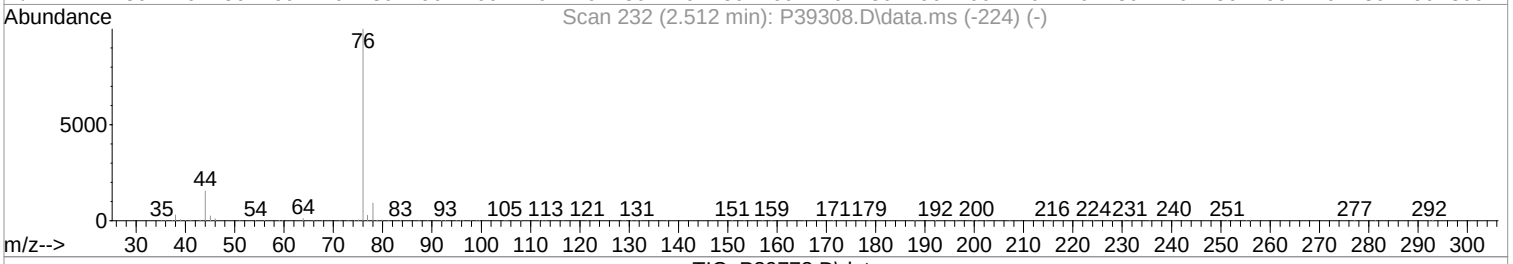
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39772.D
Acq On : 18 Sep 2020 3:53 am
Operator : K.Ruest
Sample : R2008512-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 18 10:45:12 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39772.D\data.ms

(18) Carbon Disulfide (P)

2.518min (+0.006) 0.82 ppb

response 5762

Ion	Exp%	Act%
76.00	100	100
78.00	9.10	12.34
77.00	2.80	8.05
0.00	0.00	0.00

Manual Integration:

Before

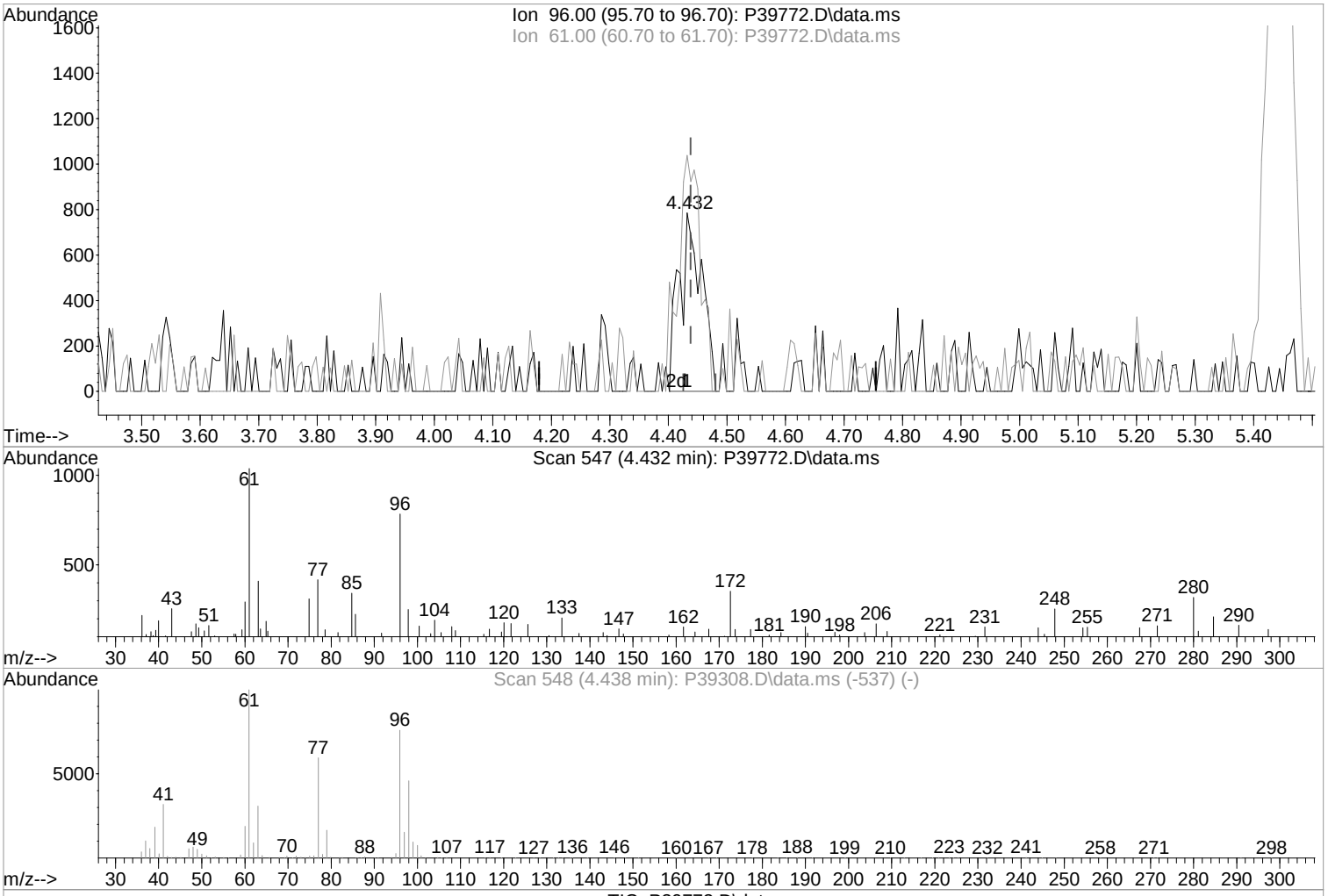
09/22/20

1st 09/22/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39772.D
Acq On : 18 Sep 2020 3:53 am
Operator : K.Ruest
Sample : R2008512-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 18 10:45:12 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39772.D\data.ms

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

4.432min (-0.006) 0.74 ppb m

response 2116

Ion	Exp%	Act%
96.00	100	100
61.00	132.70	132.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

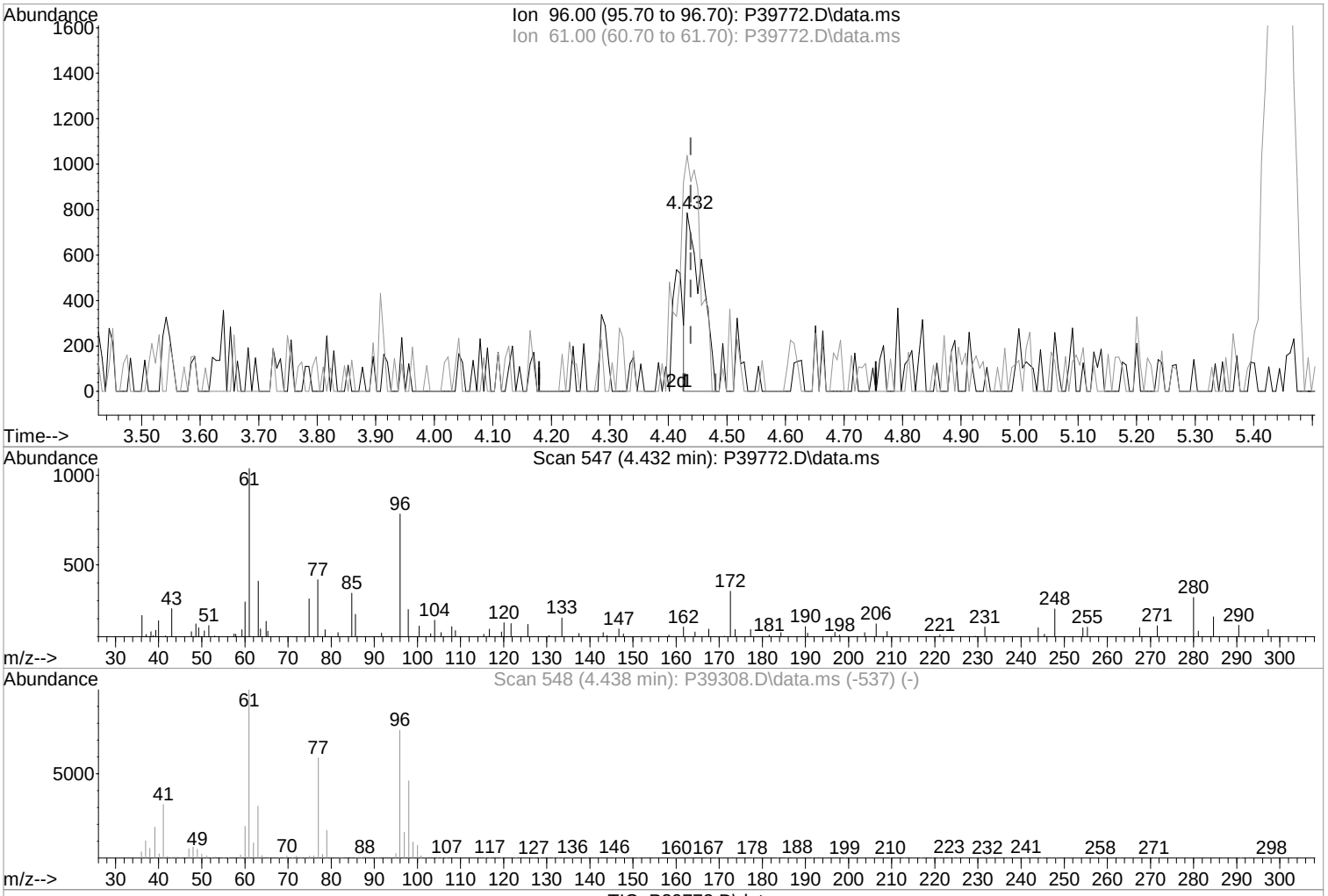
09/22/20

1st 09/22/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39772.D
Acq On : 18 Sep 2020 3:53 am
Operator : K.Ruest
Sample : R2008512-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 18 10:45:12 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39772.D\data.ms

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

4.432min (-0.006) 0.52 ppb

response 1476

Ion	Exp%	Act%
96.00	100	100
61.00	132.70	132.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39772.D
Acq On : 18 Sep 2020 3:53 am
Operator : K.Ruest
Sample : R2008512-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 22 14:28:58 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

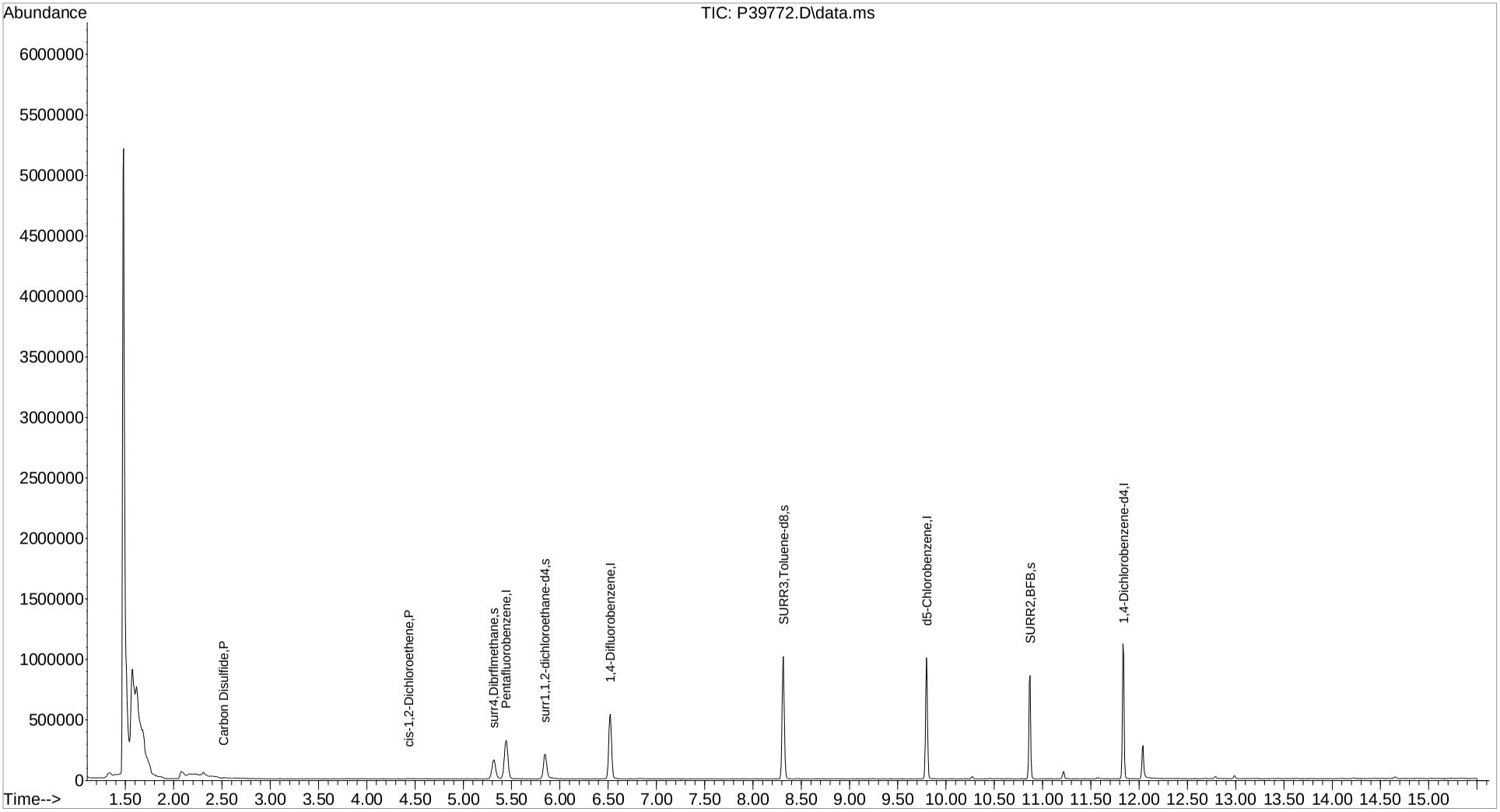
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	277267	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	474818	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	428508	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	214518	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	129376	46.42	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.84%			
48) surr1,1,2-dichloroetha...	5.846	65	188171	50.57	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.14%			
65) SURR3,Toluene-d8	8.315	98	623068	49.19	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.38%			
70) SURR2,BFB	10.870	95	230750	46.96	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.92%			
Target Compounds						Qvalue
18) Carbon Disulfide	2.518	76	22408m	3.19	ppb	
34) cis-1,2-Dichloroethene	4.432	96	2116m	0.74	ppb	

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

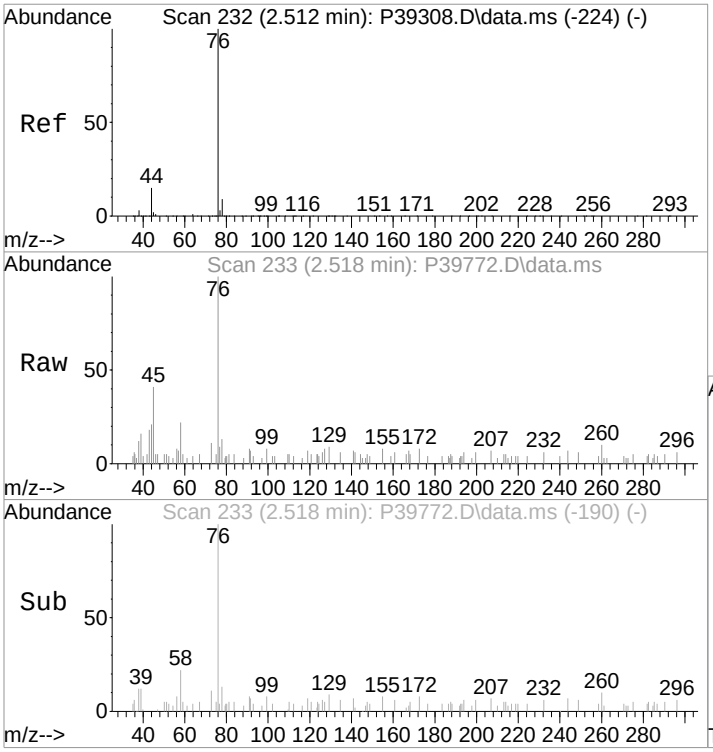
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39772.D
Acq On : 18 Sep 2020 3:53 am
Operator : K.Ruest
Sample : R2008512-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 22 14:28:58 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



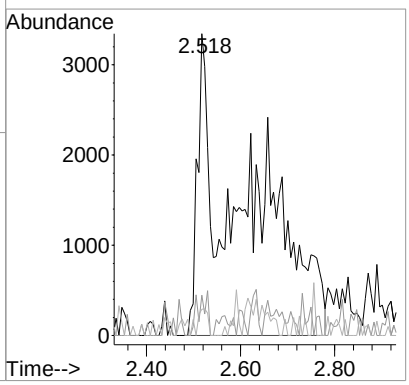
1st 09/22/20
2nd 09/22/20

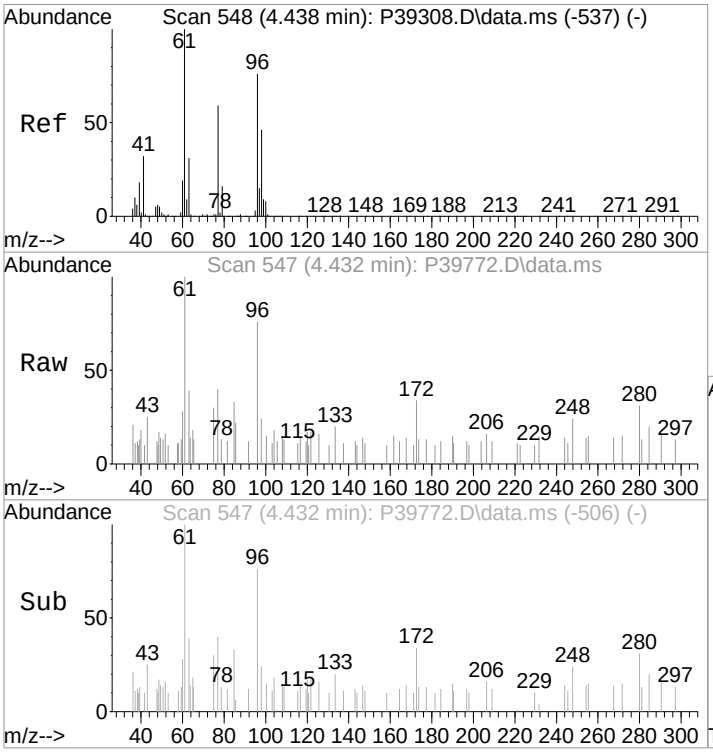


#18
Carbon Disulfide
Concen: 3.19 ppb m
RT: 2.518 min Scan# 233
Delta R.T. 0.006 min
Lab File: P39772.D
Acq: 18 Sep 2020 3:53 am

Tgt Ion: 76 Resp: 22408

Ion	Ratio	Lower	Upper
76	100		
78	13.4	0.0	29.1
77	8.8	0.0	22.8

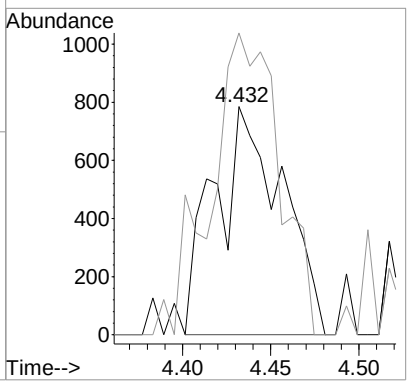




#34
cis-1,2-Dichloroethene
Concen: 0.74 ppb m
RT: 4.432 min Scan# 547
Delta R.T. -0.006 min
Lab File: P39772.D
Acq: 18 Sep 2020 3:53 am

Tgt Ion: 96 Resp: 2116

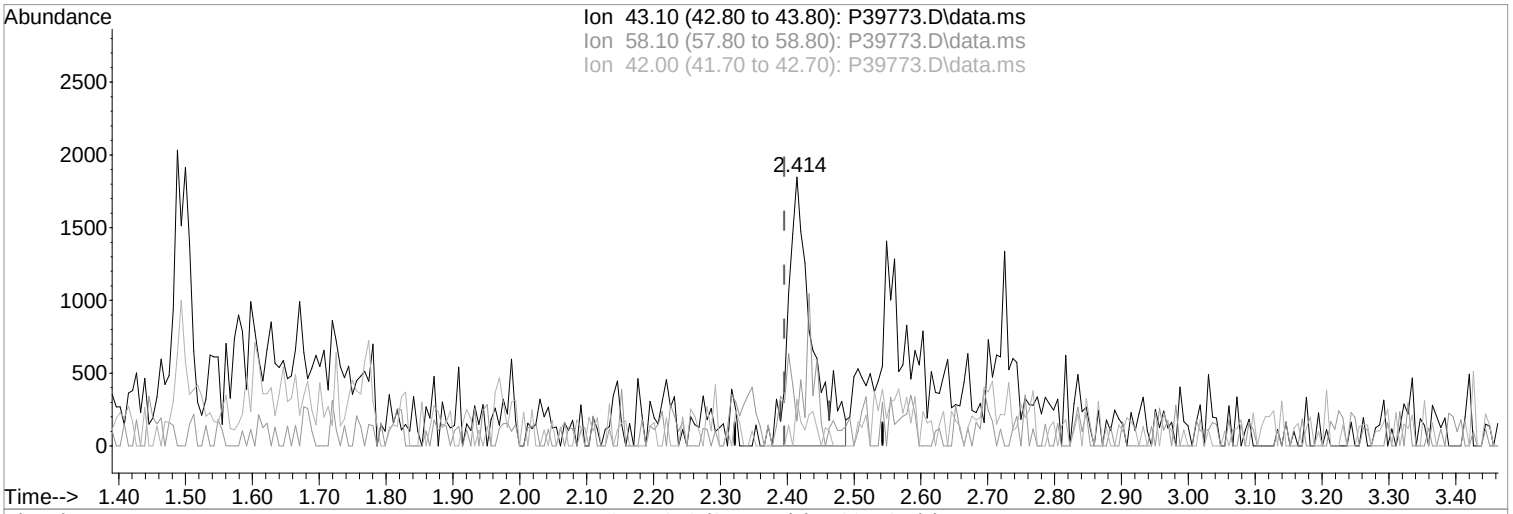
Ion	Ratio	Lower	Upper
96	100		
61	132.4	112.7	152.7

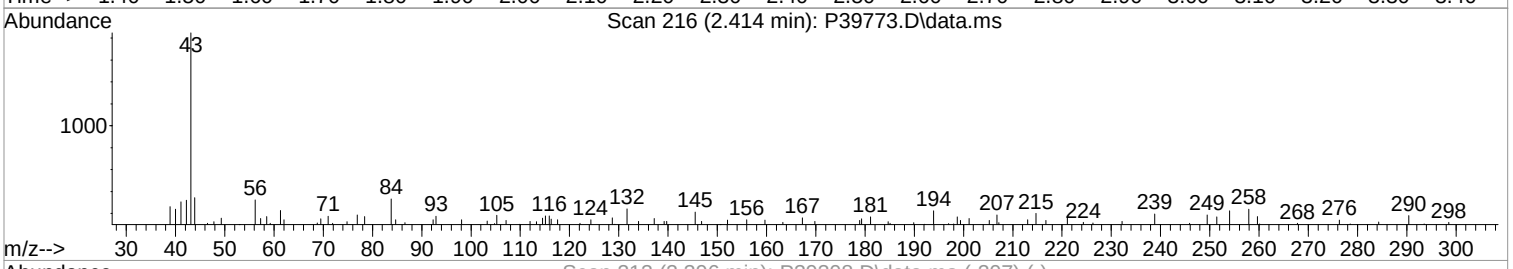


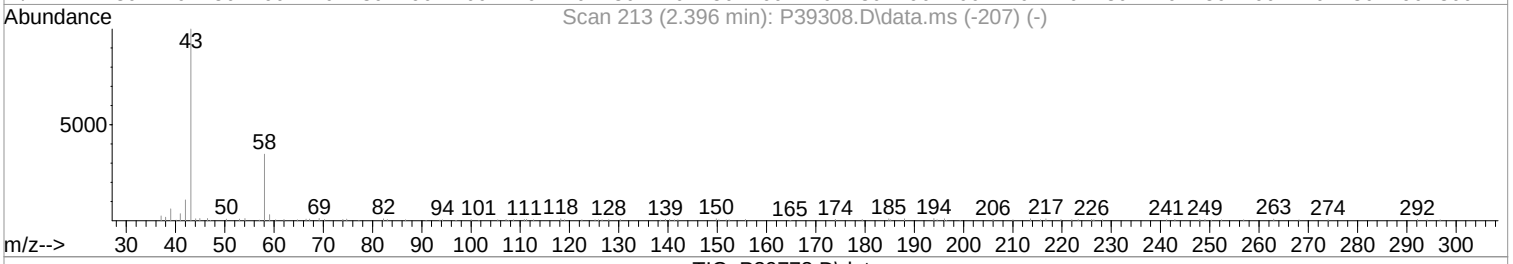
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39773.D
Acq On : 18 Sep 2020 4:15 am
Operator : K.Ruest
Sample : R2008512-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 18 10:45:39 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39773.D\data.ms

(15) Acetone (P)

2.414min (+0.018) 3.38 ppb m

response 4482

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	9.36#
42.00	11.40	17.26
0.00	0.00	0.00

Manual Integration:

After

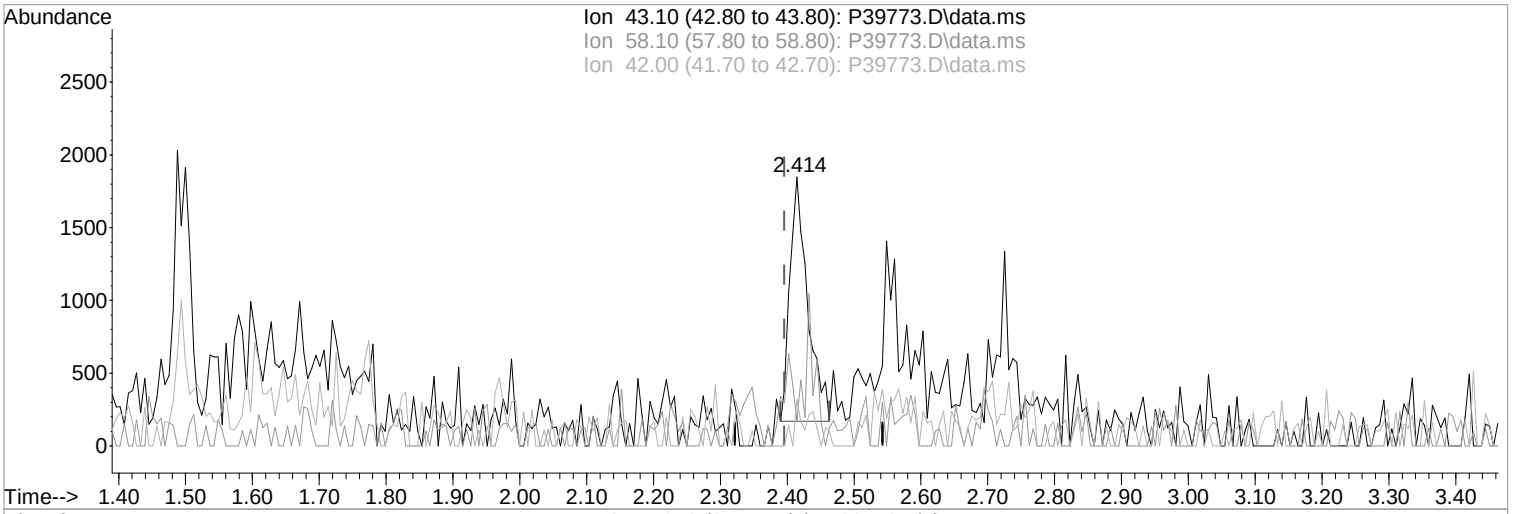
Poor integration.

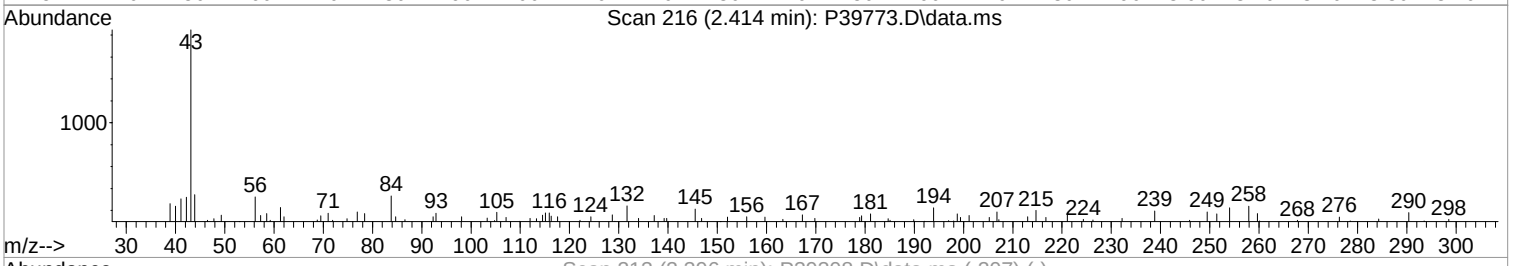
09/22/20

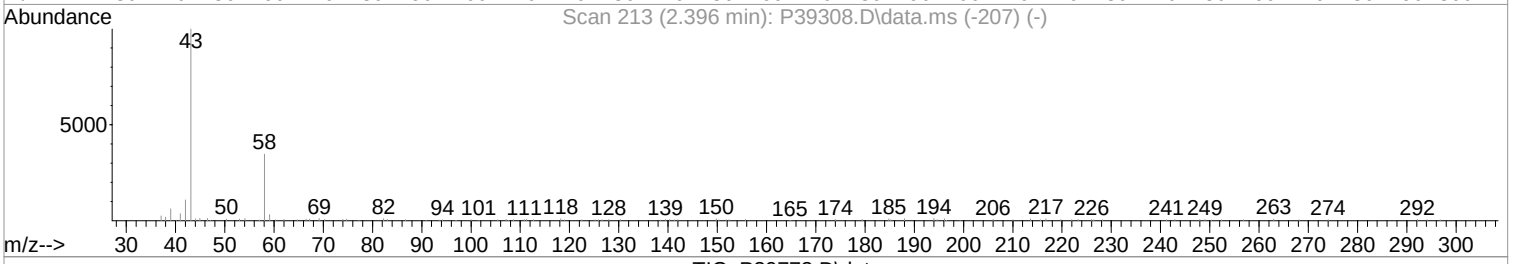
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39773.D
Acq On : 18 Sep 2020 4:15 am
Operator : K.Ruest
Sample : R2008512-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 18 10:45:39 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39773.D\data.ms

(15) Acetone (P)

2.414min (+0.018) 2.34 ppb

response 3098

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	9.36#
42.00	11.40	17.26
0.00	0.00	0.00

Manual Integration:

Before

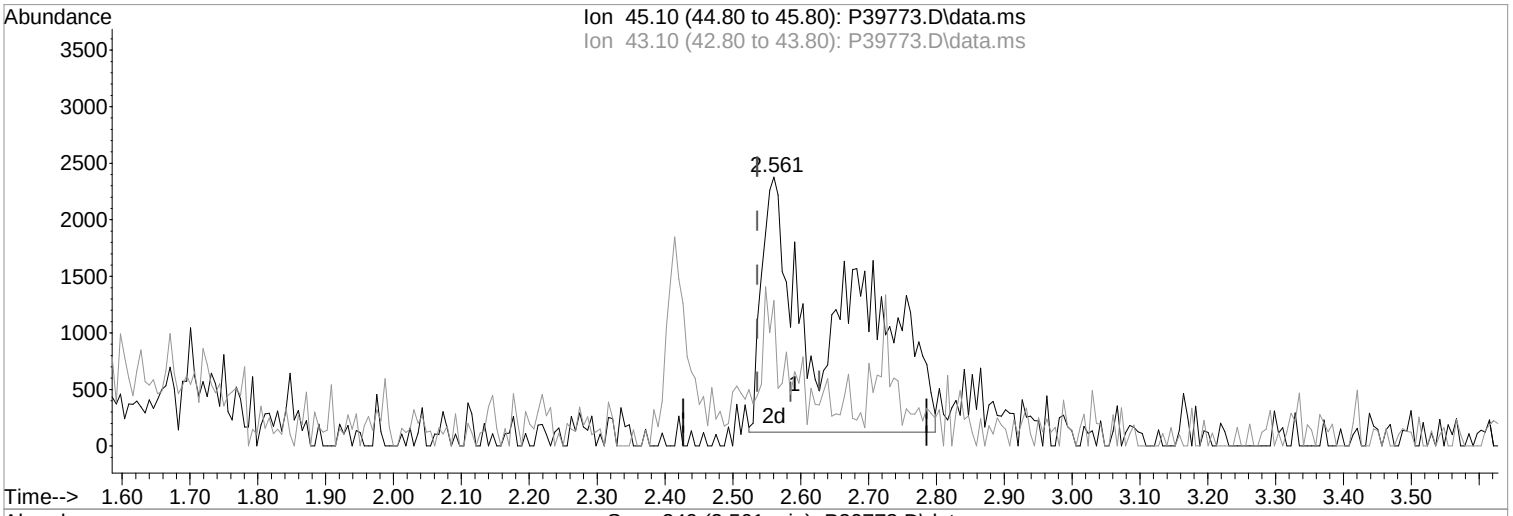
09/22/20

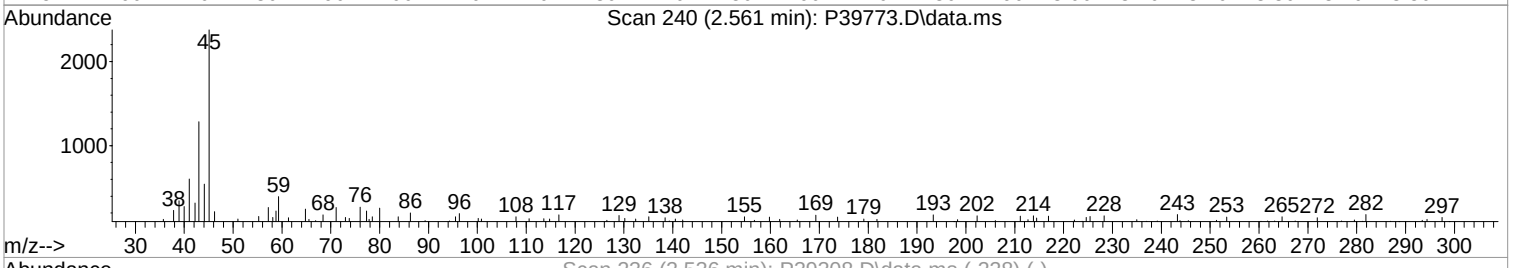
1st 09/22/20
2nd 09/22/20

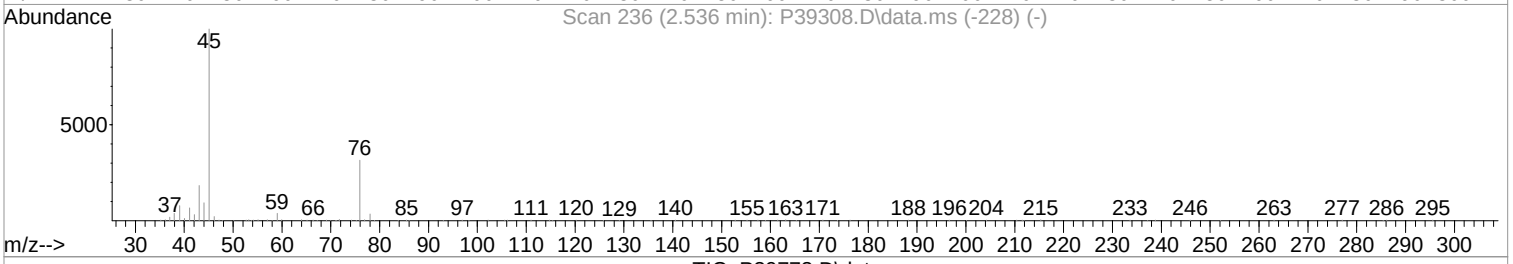
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39773.D
Acq On : 18 Sep 2020 4:15 am
Operator : K.Ruest
Sample : R2008512-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 18 10:45:39 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39773.D\data.ms

(16) 2-Propanol

2.561min (+0.024) 51.95 ppb m

response 17122

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	54.04#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

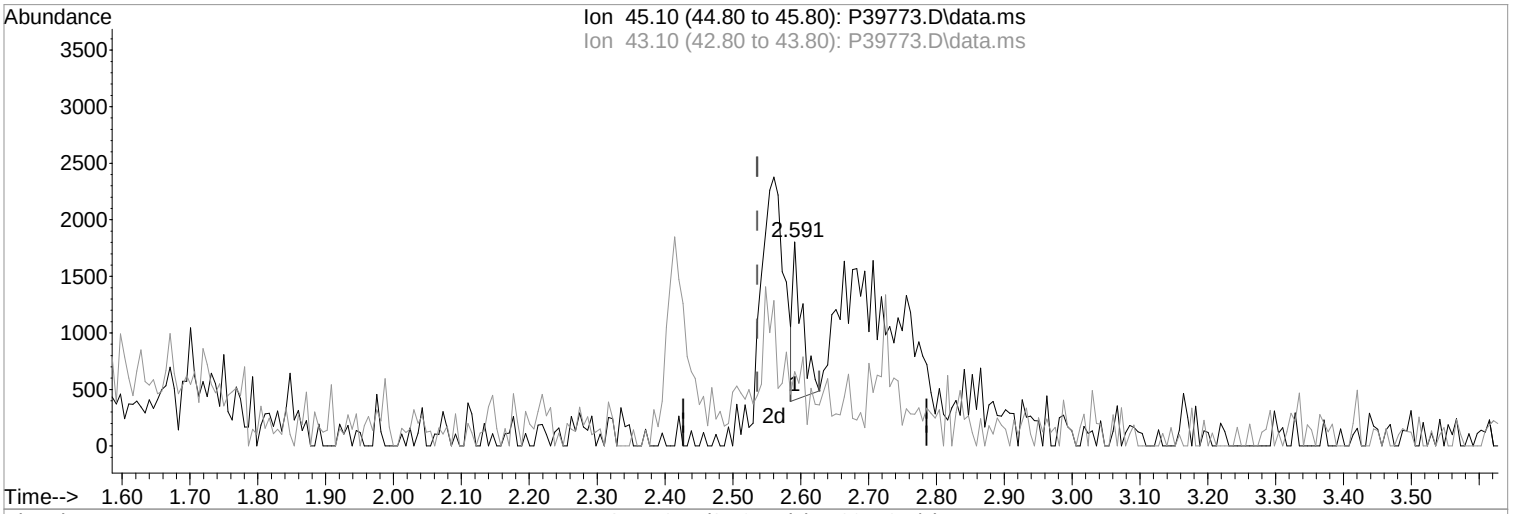
09/22/20

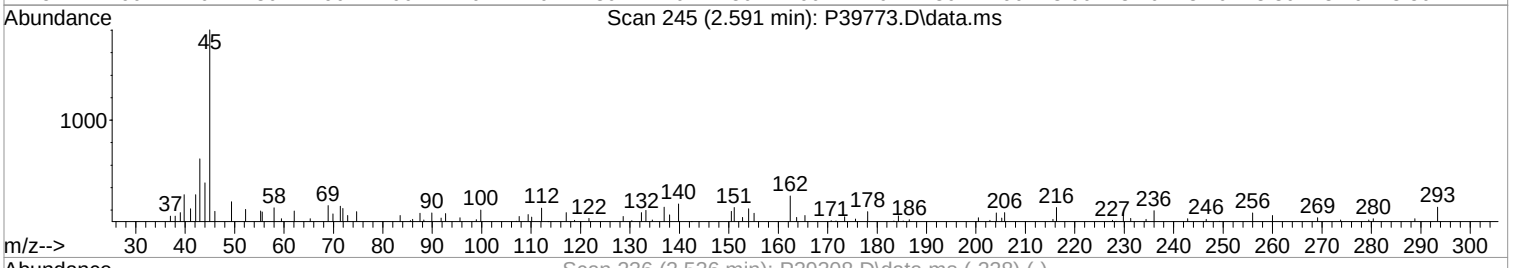
1st 09/22/20
2nd 09/22/20

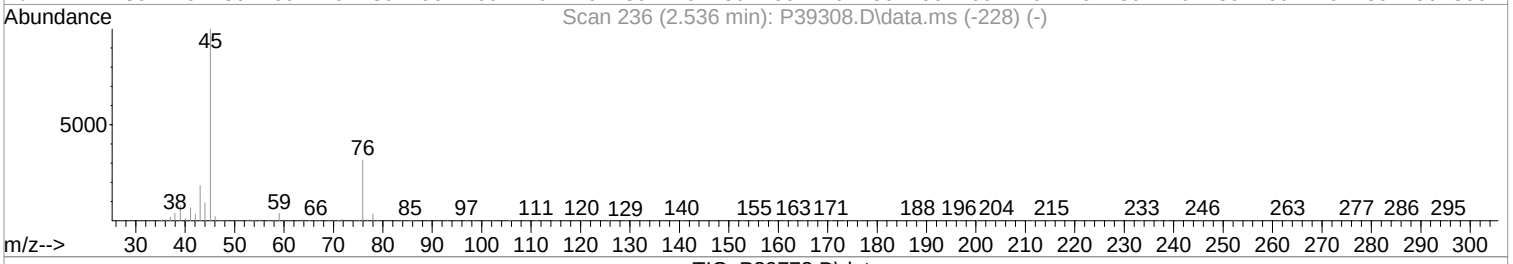
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39773.D
Acq On : 18 Sep 2020 4:15 am
Operator : K.Ruest
Sample : R2008512-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 18 10:45:39 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39773.D\data.ms

(16) 2-Propanol

2.591min (+0.055) 3.91 ppb

response 1289

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	36.42
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39773.D
Acq On : 18 Sep 2020 4:15 am
Operator : K.Ruest
Sample : R2008512-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 22 14:31:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

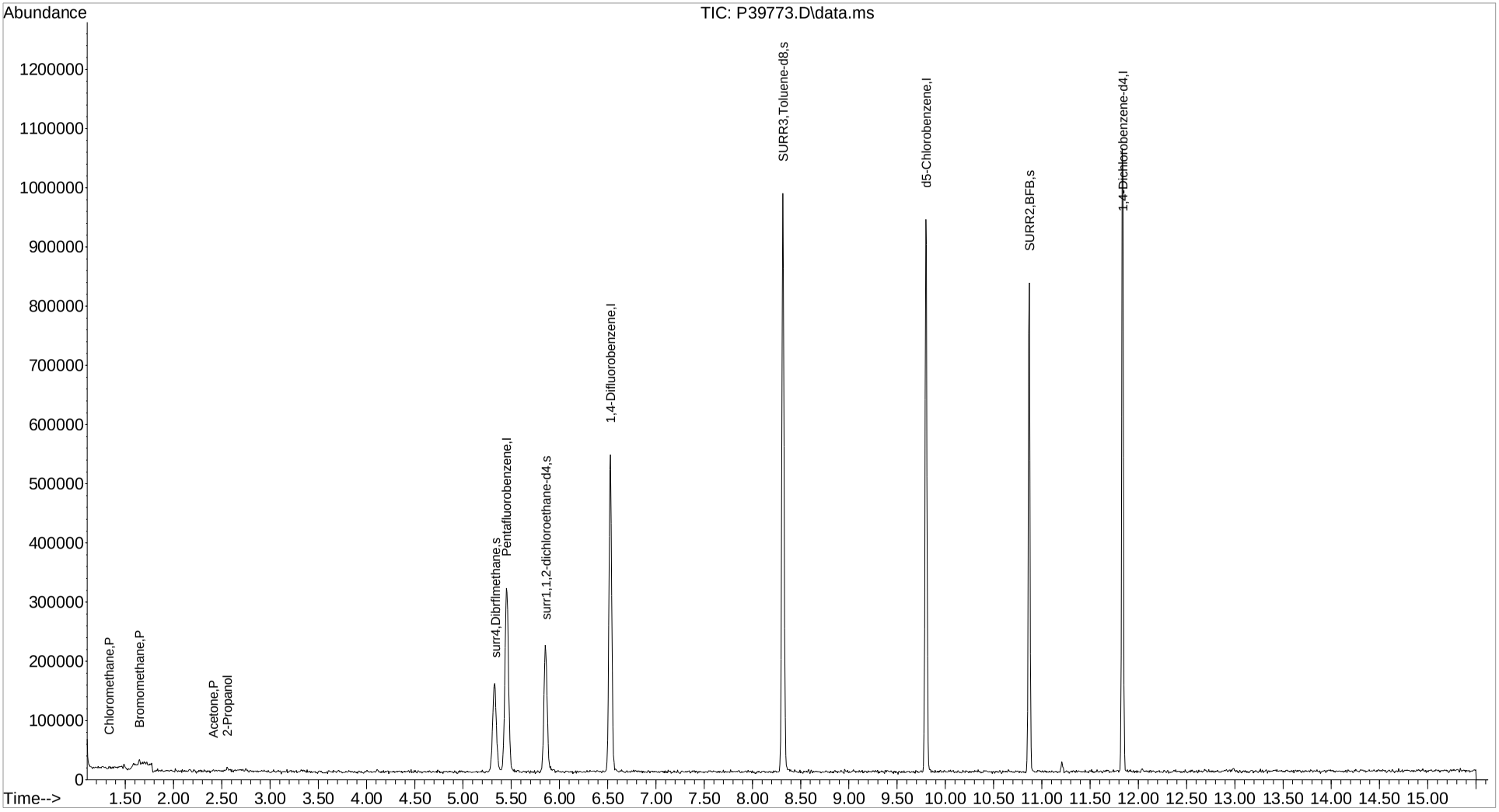
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	275381	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.529	114	461269	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	412539	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	202813	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.334	113	124683	46.05	ppb		0.02
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.10%				
48) surr1,1,2-dichloroetha...	5.859	65	179416	49.64	ppb		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.28%				
65) SURR3,Toluene-d8	8.316	98	607385	49.36	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.72%				
70) SURR2,BFB	10.870	95	220510	46.20	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.40%				
Target Compounds							Qvalue
3) Chloromethane	1.329	50	1380	0.37	ppb		88
5) Bromomethane	1.646	94	2048	0.24	ppb	#	73
15) Acetone	2.414	43	4482m	3.38	ppb		
16) 2-Propanol	2.561	45	17122m	51.95	ppb		

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

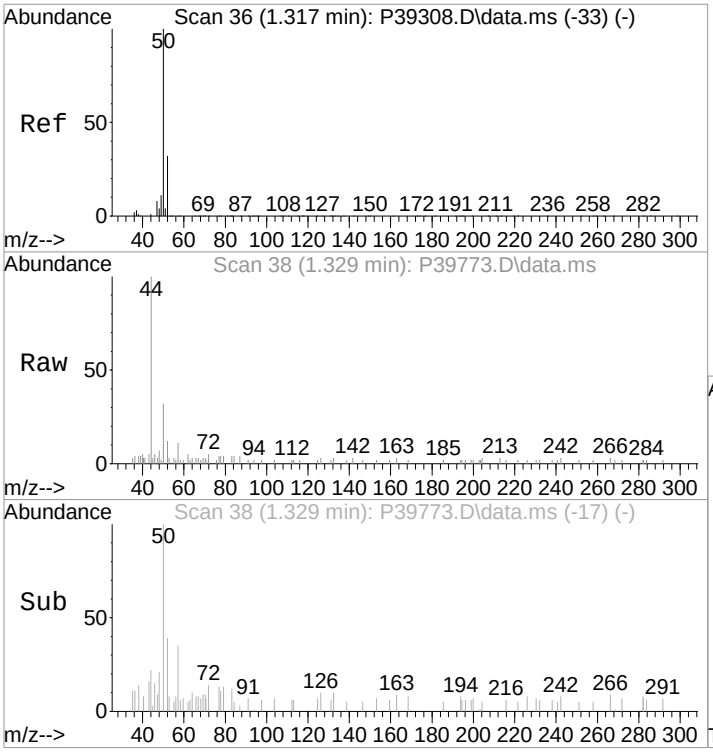
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39773.D
Acq On : 18 Sep 2020 4:15 am
Operator : K.Ruest
Sample : R2008512-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 22 14:31:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



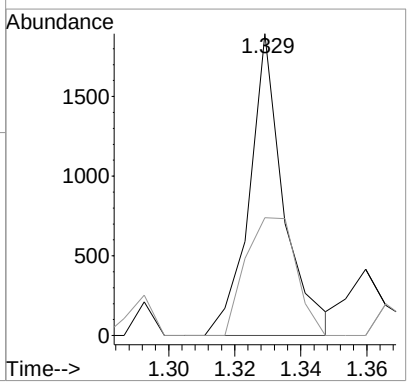
1st 09/22/20
2nd 09/22/20

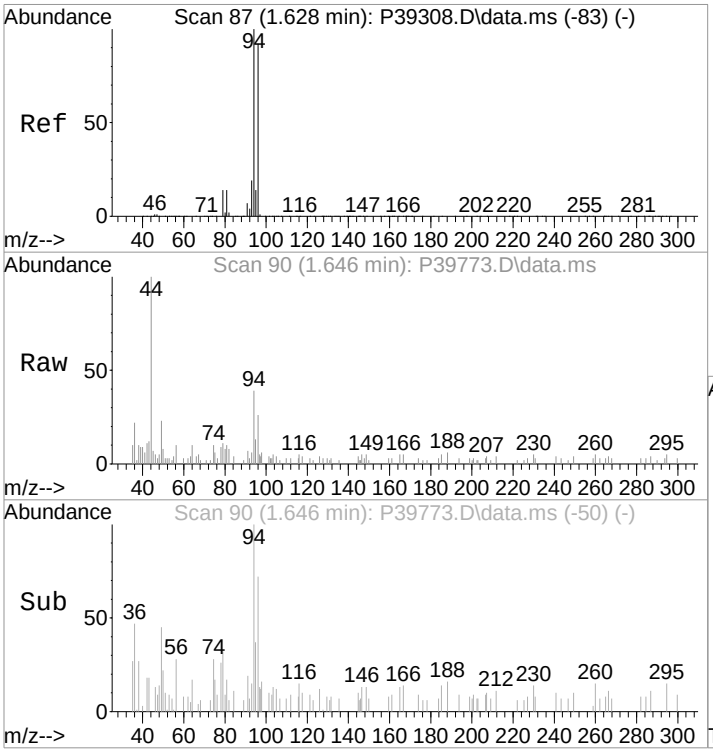


#3
Chloromethane
Concen: 0.37 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P39773.D
Acq: 18 Sep 2020 4:15 am

Tgt Ion: 50 Resp: 1380

Ion	Ratio	Lower	Upper
50	100		
52	39.0	12.1	52.1

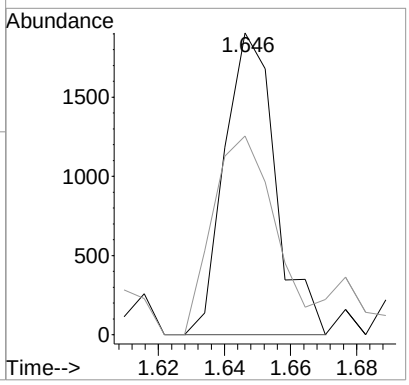


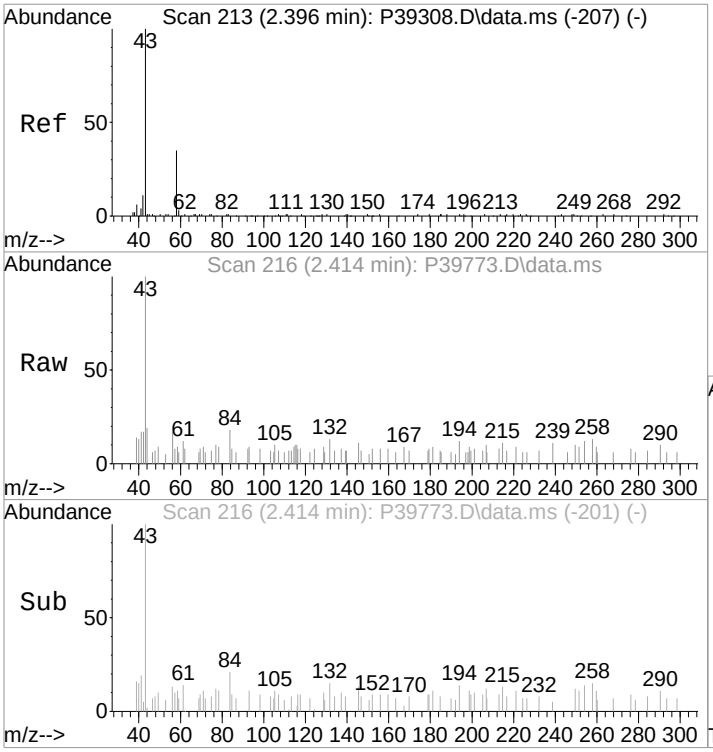


#5
Bromomethane
Concen: 0.24 ppb
RT: 1.646 min Scan# 90
Delta R.T. 0.019 min
Lab File: P39773.D
Acq: 18 Sep 2020 4:15 am

Tgt Ion: 94 Resp: 2048

Ion	Ratio	Lower	Upper
94	100		
96	65.8	71.6	111.6#

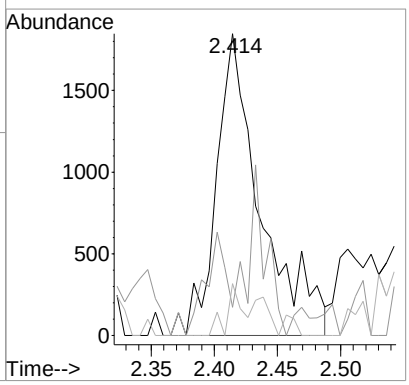


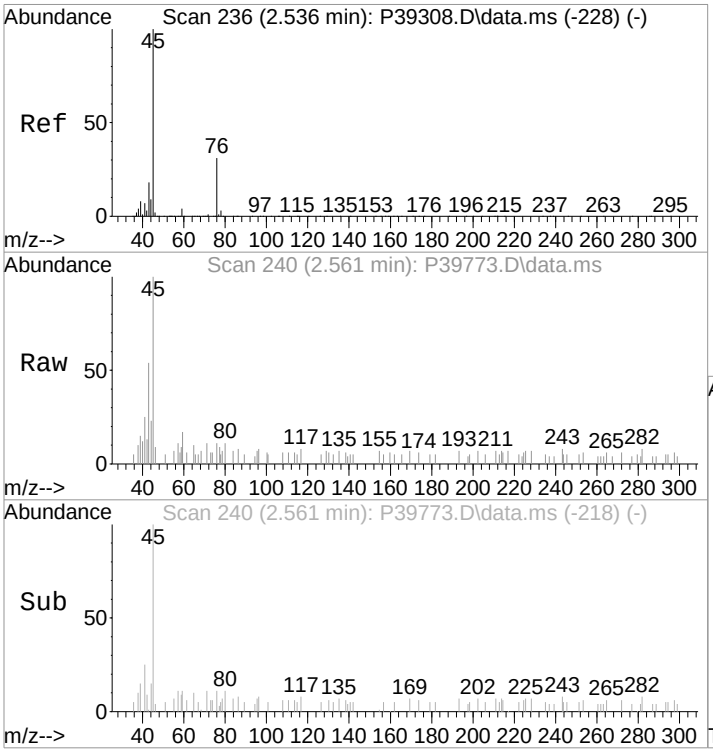


#15
Acetone
Concen: 3.38 ppb m
RT: 2.414 min Scan# 216
Delta R.T. 0.018 min
Lab File: P39773.D
Acq: 18 Sep 2020 4:15 am

Tgt Ion: 43 Resp: 4482

Ion	Ratio	Lower	Upper
43	100		
58	9.4	14.8	54.8#
42	17.3	0.0	31.4

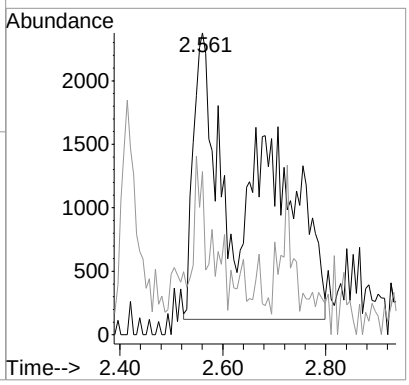




#16
2-Propanol
Concen: 51.95 ppb m
RT: 2.561 min Scan# 240
Delta R.T. 0.024 min
Lab File: P39773.D
Acq: 18 Sep 2020 4:15 am

Tgt Ion: 45 Resp: 17122

Ion	Ratio	Lower	Upper
45	100		
43	54.0	3.1	43.1#

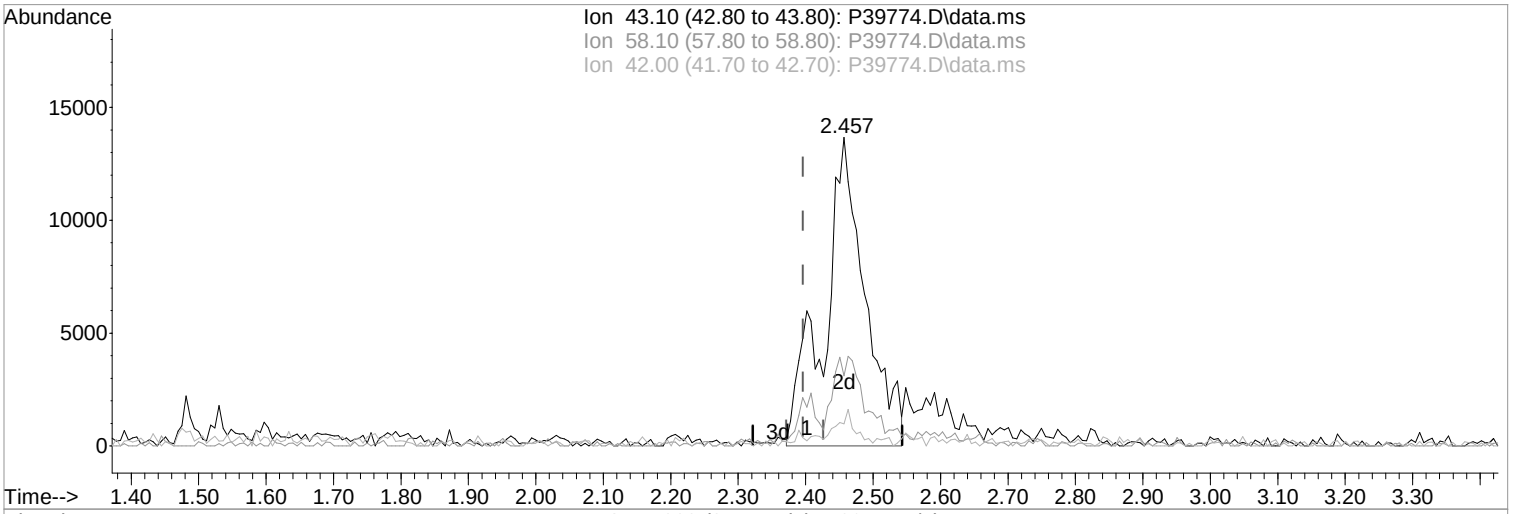


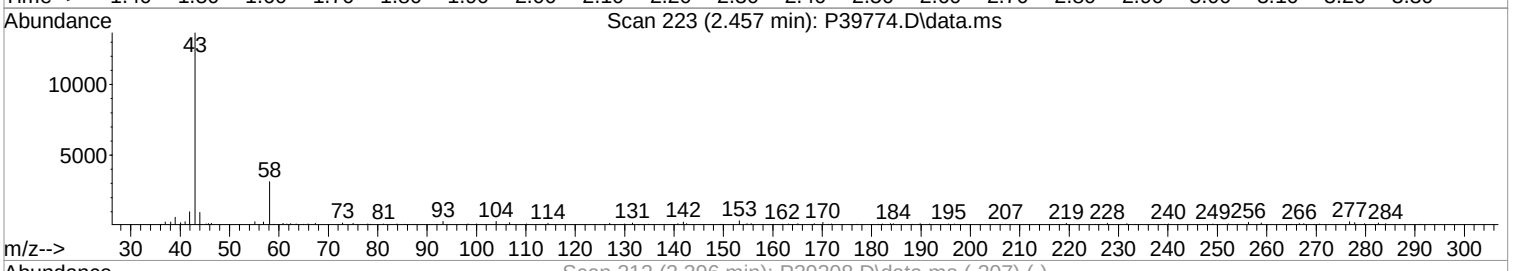
1st 09/22/20
2nd 09/22/20

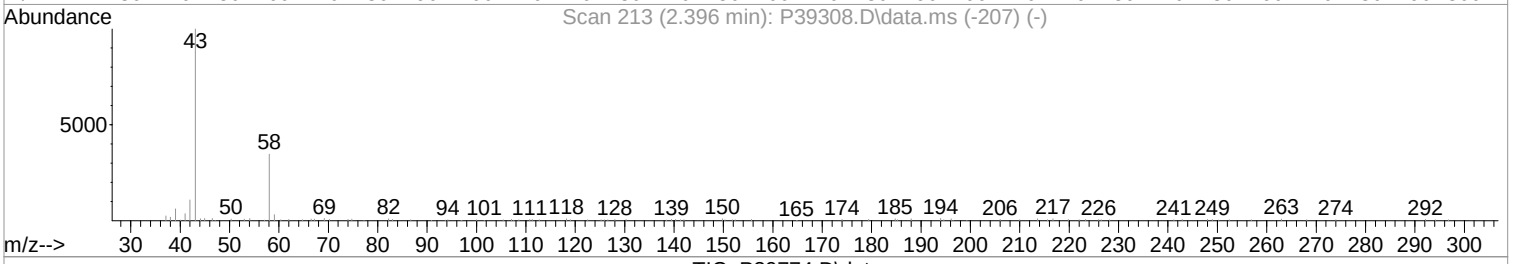
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39774.D
Acq On : 18 Sep 2020 4:37 am
Operator : K.Ruest
Sample : R2008512-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 18 10:45:52 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39774.D\data.ms

(15) Acetone (P)

2.457min (+0.061) 42.37 ppb m

response 57587

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	22.81
42.00	11.40	7.25
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

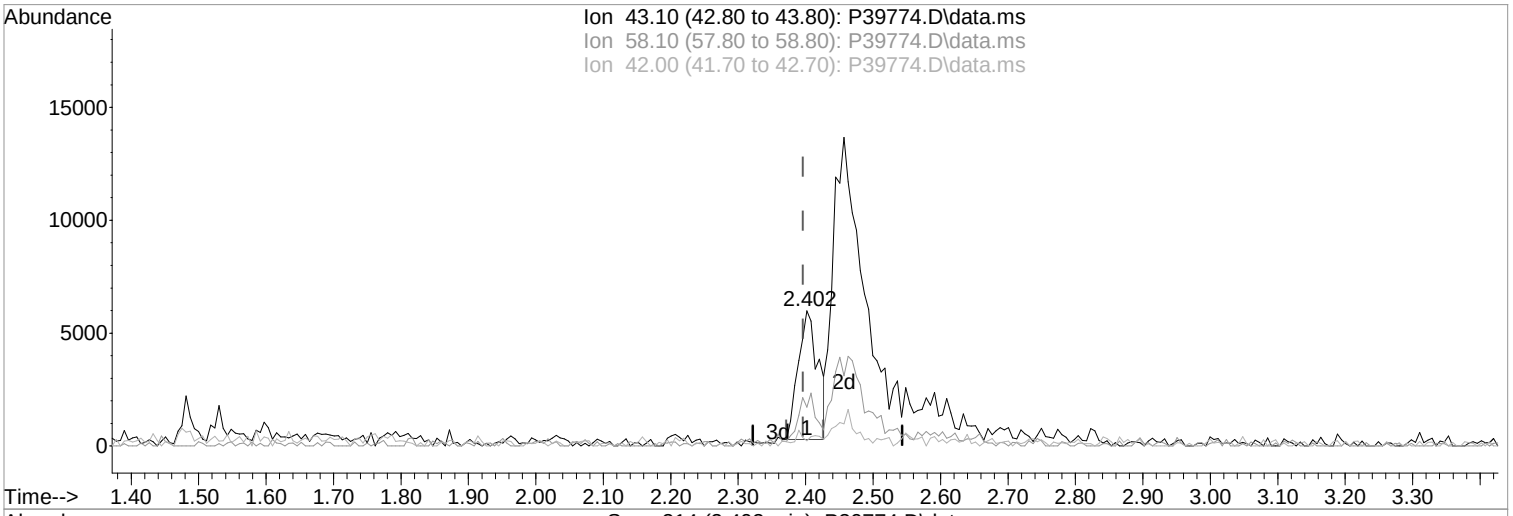
09/22/20

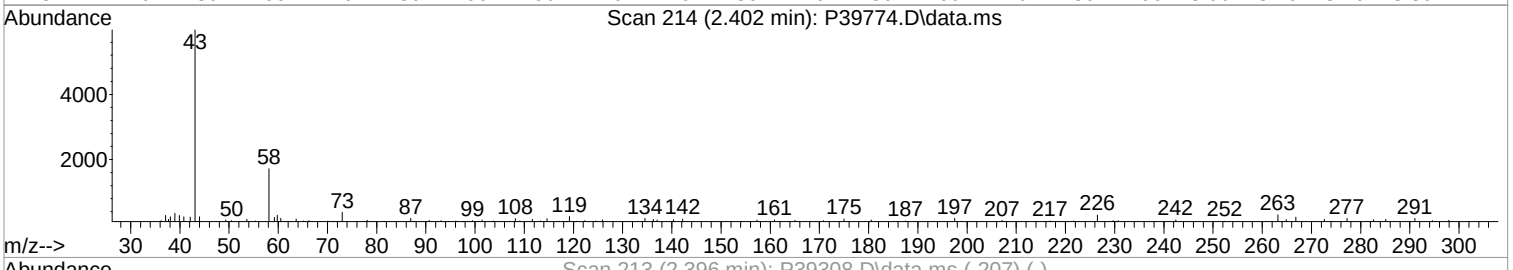
1st 09/22/20
2nd 09/22/20

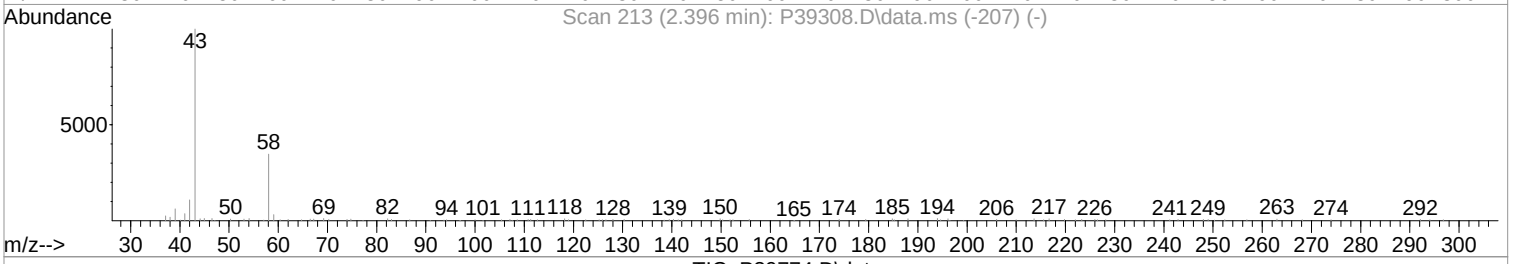
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39774.D
Acq On : 18 Sep 2020 4:37 am
Operator : K.Ruest
Sample : R2008512-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 18 10:45:52 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39774.D\data.ms

(15) Acetone (P)

2.402min (+0.006) 8.48 ppb

response 11532

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	28.71
42.00	11.40	3.91
0.00	0.00	0.00

Manual Integration:

Before

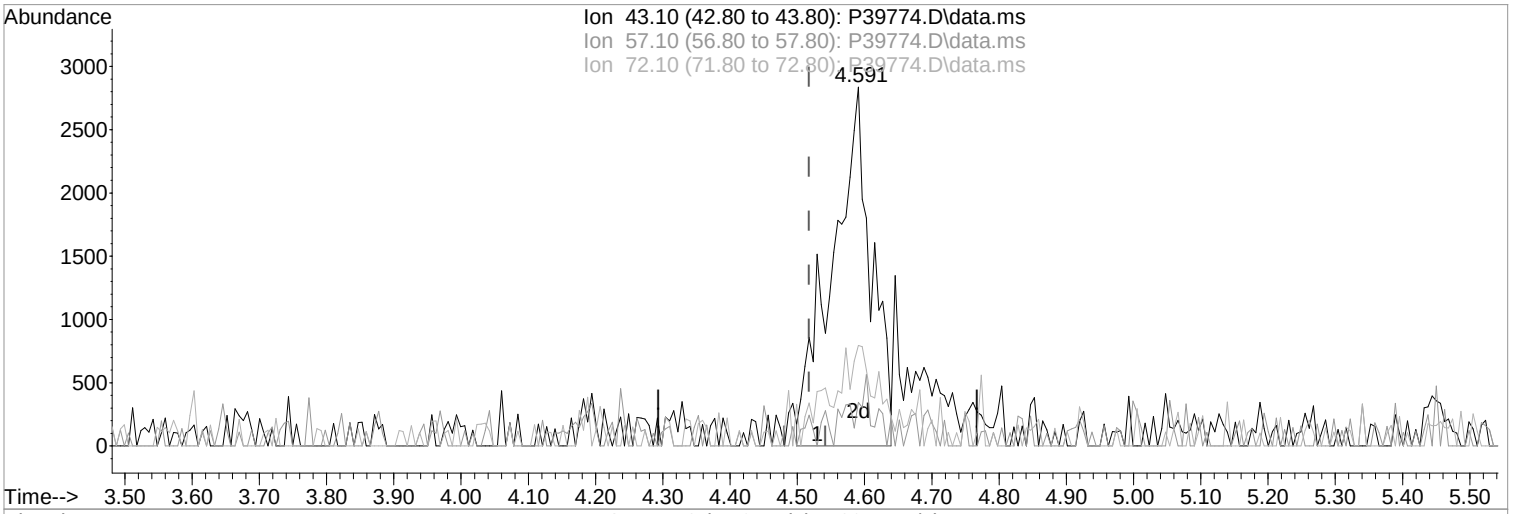
09/22/20

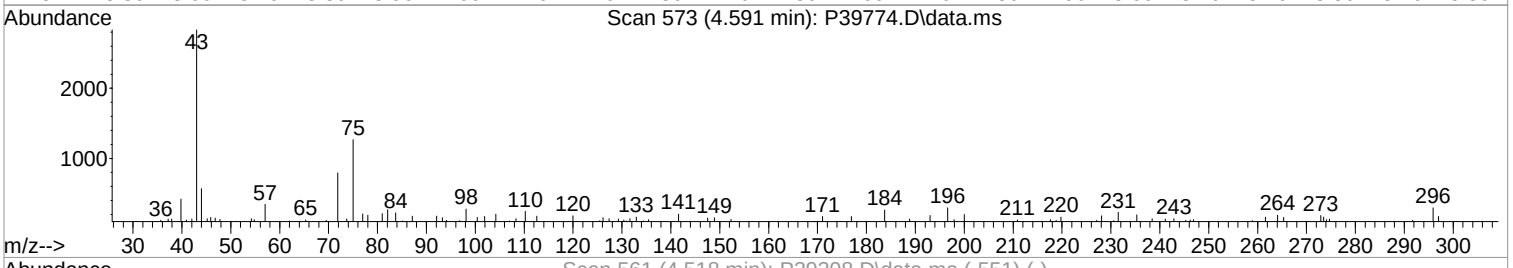
1st 09/22/20
2nd 09/22/20

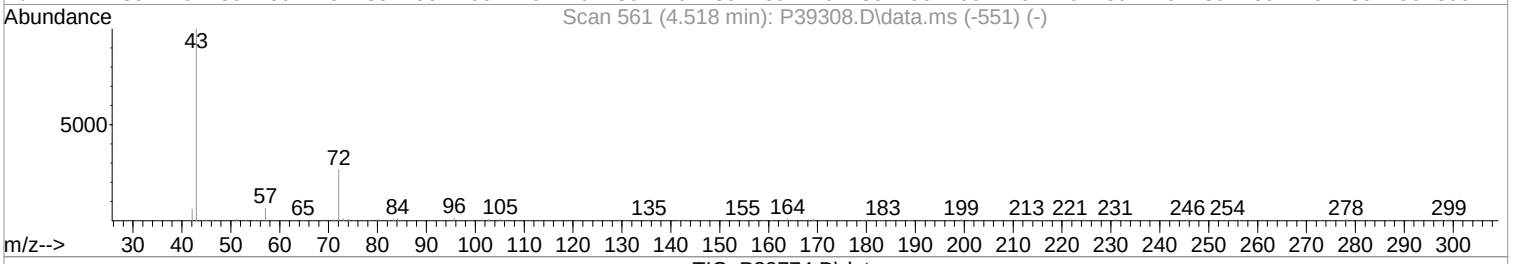
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39774.D
Acq On : 18 Sep 2020 4:37 am
Operator : K.Ruest
Sample : R2008512-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 18 10:45:52 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39774.D\data.ms

(35) 2-Butanone (P)

4.591min (+0.073) 6.21 ppb m

response 11421

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	12.20
72.10	28.40	28.01
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

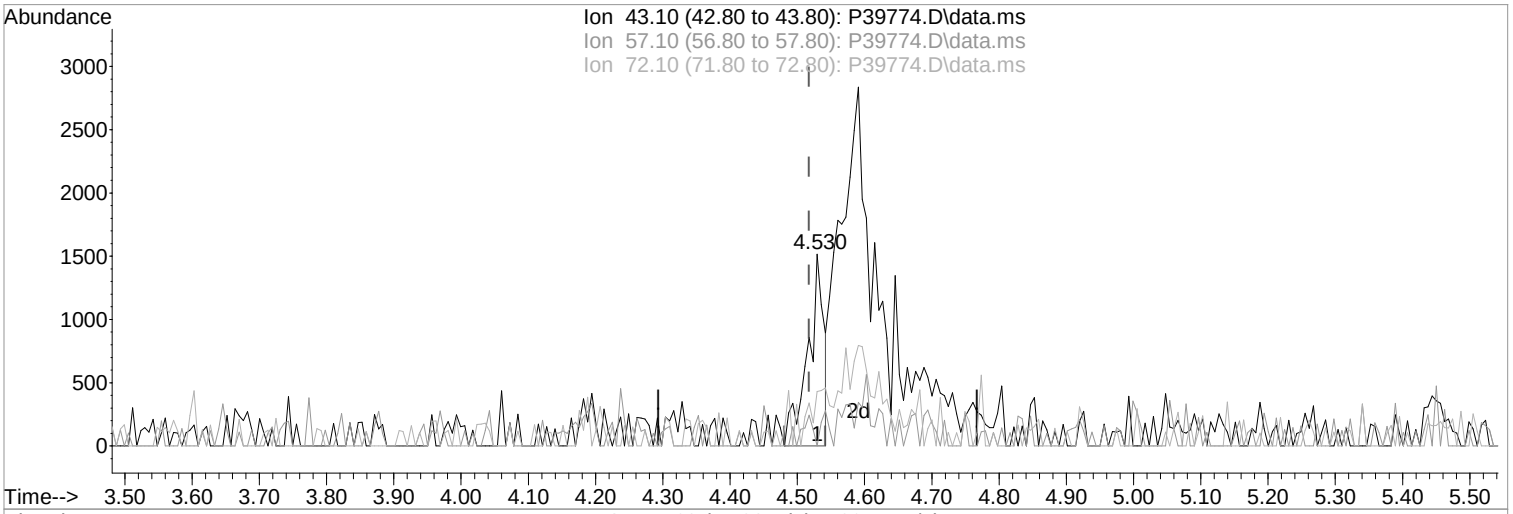
09/22/20

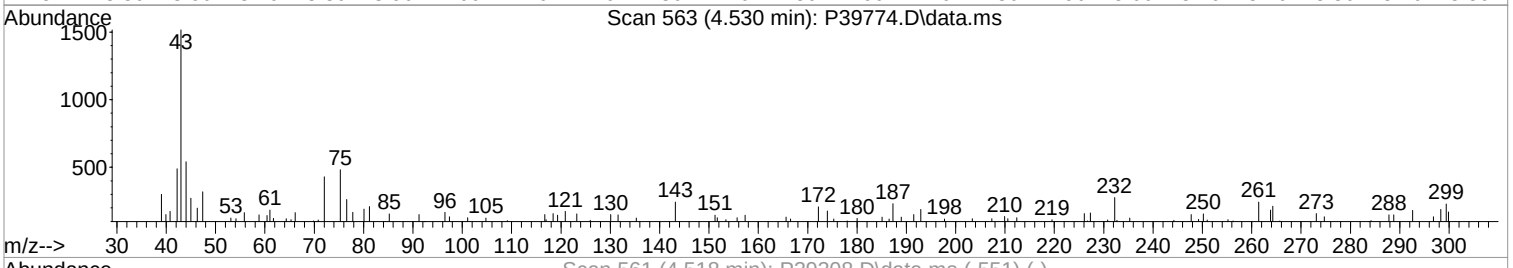
1st 09/22/20
2nd 09/22/20

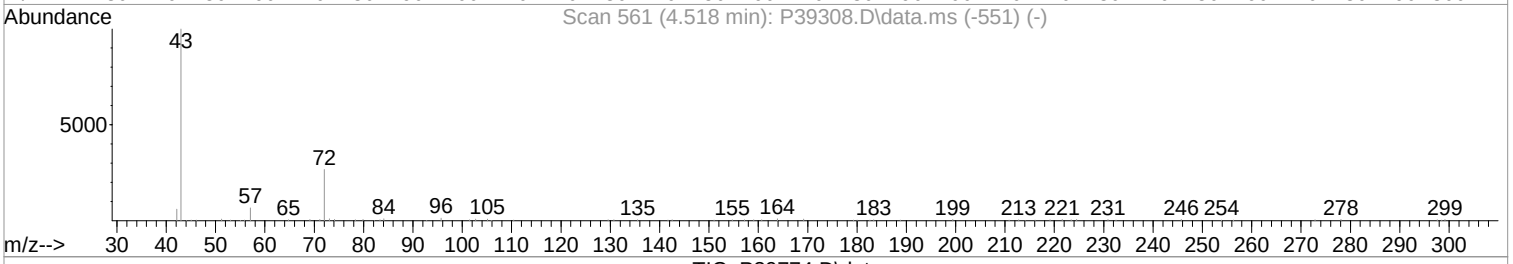
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39774.D
Acq On : 18 Sep 2020 4:37 am
Operator : K.Ruest
Sample : R2008512-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 18 10:45:52 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39774.D\data.ms

(35) 2-Butanone (P)

4.530min (+0.012) 1.36 ppb

response 2494

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	0.00
72.10	28.40	28.41
0.00	0.00	0.00

Manual Integration:

Before

09/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39774.D
Acq On : 18 Sep 2020 4:37 am
Operator : K.Ruest
Sample : R2008512-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 22 14:33:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

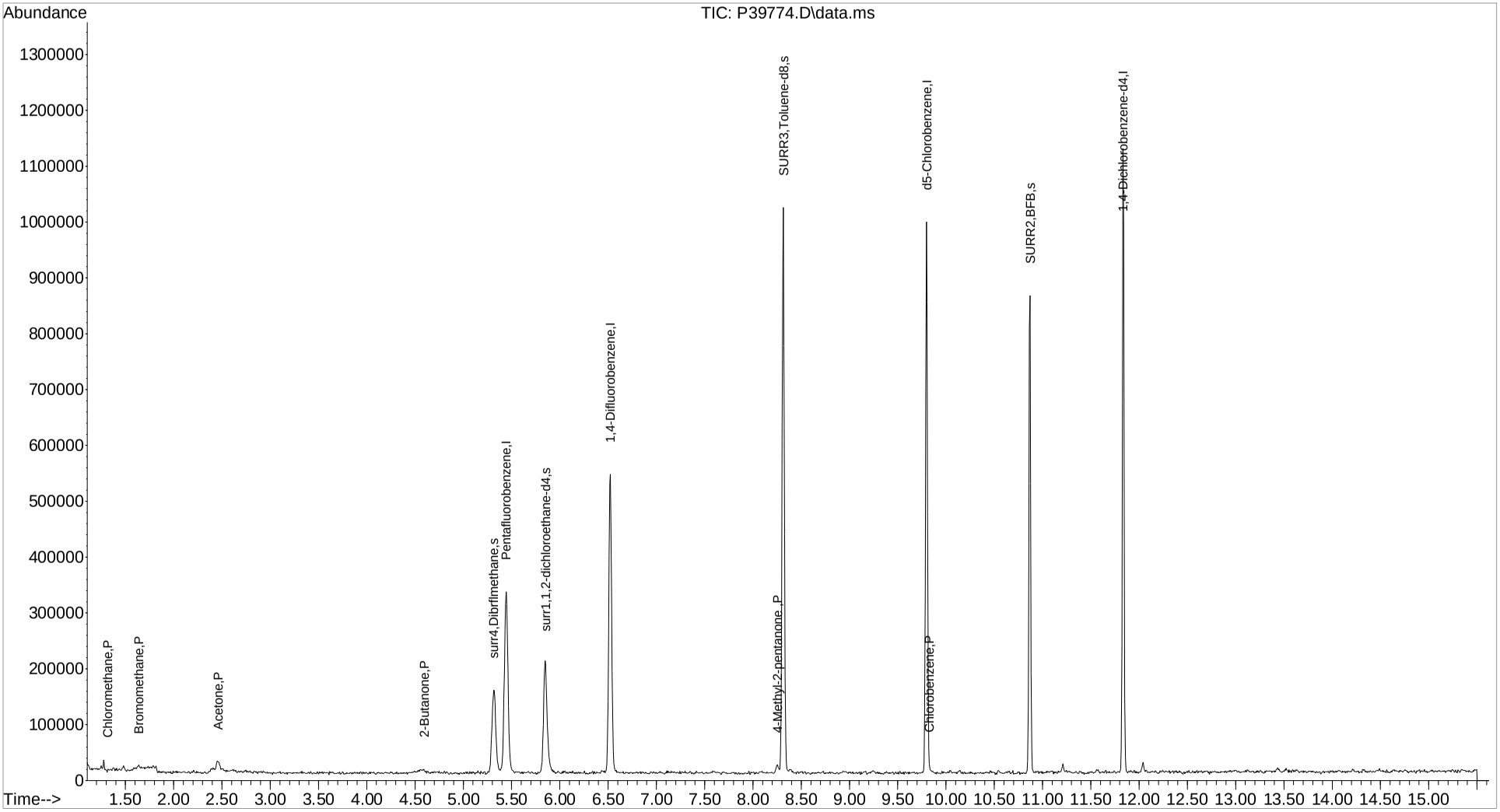
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	282342	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	474877	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	422586	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	204705	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	126749	45.47	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.94%			
48) surr1,1,2-dichloroetha...	5.853	65	192723	51.79	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.58%			
65) SURR3,Toluene-d8	8.315	98	629761	49.71	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.42%			
70) SURR2,BFB	10.870	95	229285	46.66	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.32%			
Target Compounds						Qvalue
3) Chloromethane	1.317	50	2255	0.58	ppb	76
5) Bromomethane	1.634	94	2065	0.23	ppb	95
15) Acetone	2.457	43	57587m	42.37	ppb	
35) 2-Butanone	4.591	43	11421m	6.21	ppb	
64) 4-Methyl-2-pentanone	8.255	43	10589	2.50	ppb	96
78) Chlorobenzene	9.827	112	2159	0.24	ppb	76

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

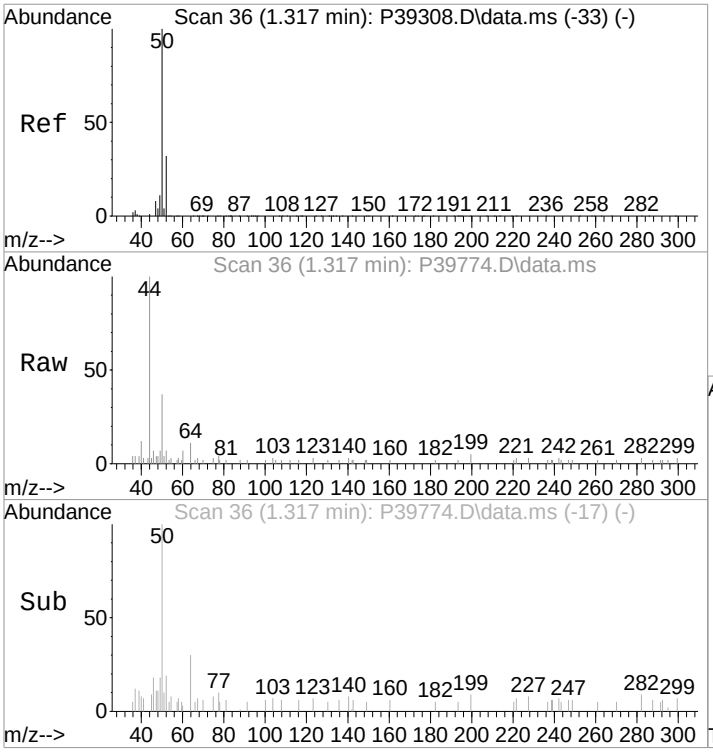
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39774.D
Acq On : 18 Sep 2020 4:37 am
Operator : K.Ruest
Sample : R2008512-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 22 14:33:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



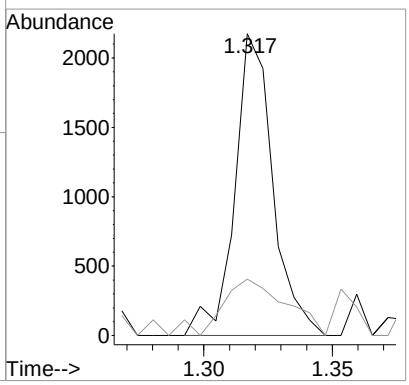
1st 09/22/20
2nd 09/22/20

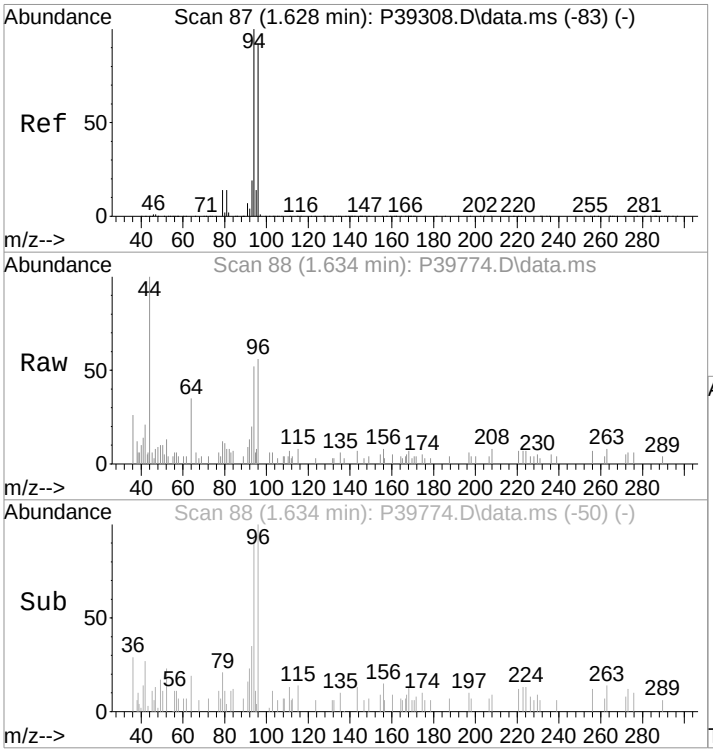


#3
Chloromethane
Concen: 0.58 ppb
RT: 1.317 min Scan# 36
Delta R.T. -0.000 min
Lab File: P39774.D
Acq: 18 Sep 2020 4:37 am

Tgt Ion: 50 Resp: 2255

Ion	Ratio	Lower	Upper
50	100		
52	18.7	12.1	52.1

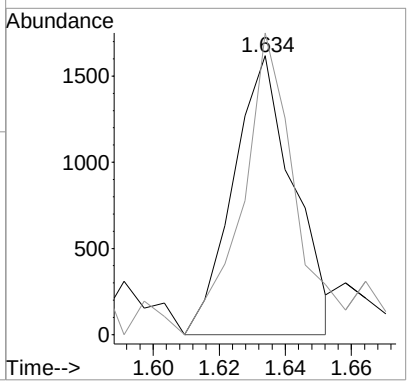


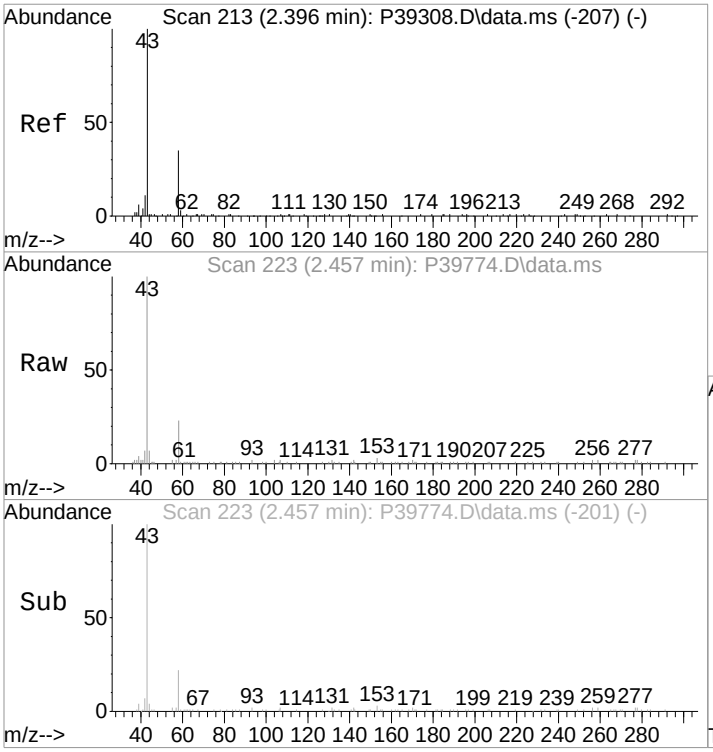


#5
Bromomethane
Concen: 0.23 ppb
RT: 1.634 min Scan# 88
Delta R.T. 0.007 min
Lab File: P39774.D
Acq: 18 Sep 2020 4:37 am

Tgt Ion: 94 Resp: 2065

Ion	Ratio	Lower	Upper
94	100		
96	96.7	71.6	111.6

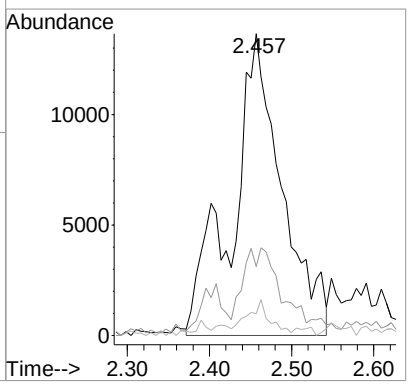


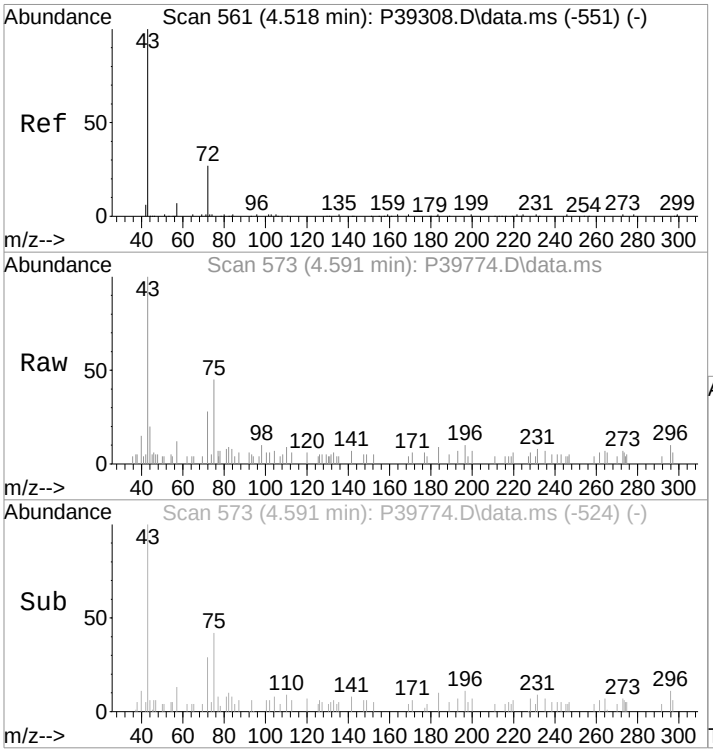


#15
Acetone
Concen: 42.37 ppb m
RT: 2.457 min Scan# 223
Delta R.T. 0.061 min
Lab File: P39774.D
Acq: 18 Sep 2020 4:37 am

Tgt Ion: 43 Resp: 57587

Ion	Ratio	Lower	Upper
43	100		
58	22.8	14.8	54.8
42	7.3	0.0	31.4

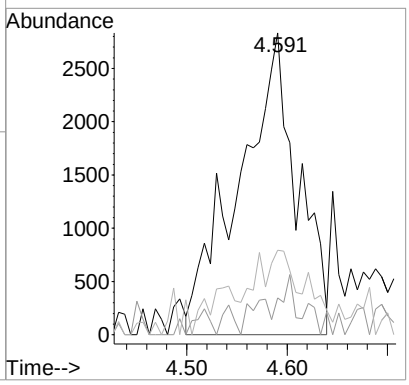


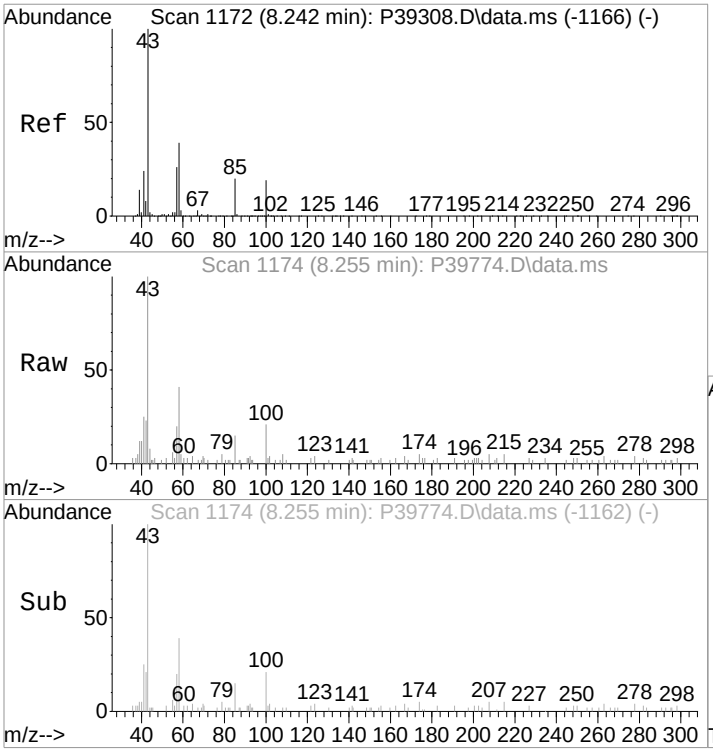


#35
2-Butanone
Concen: 6.21 ppb m
RT: 4.591 min Scan# 573
Delta R.T. 0.073 min
Lab File: P39774.D
Acq: 18 Sep 2020 4:37 am

Tgt Ion: 43 Resp: 11421

Ion	Ratio	Lower	Upper
43	100		
57	12.2	0.0	26.9
72	28.0	8.4	48.4

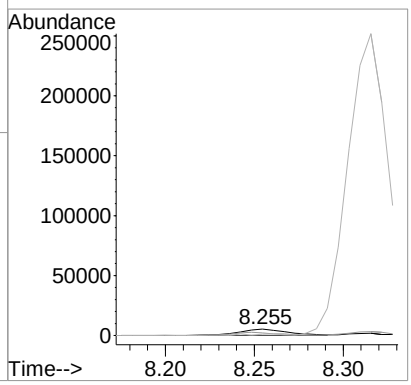


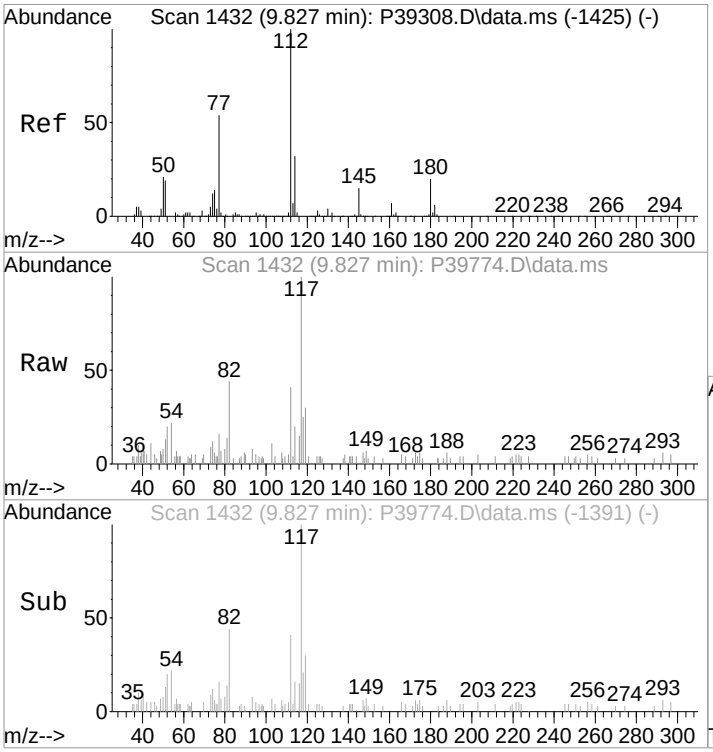


#64
4-Methyl-2-pentanone
Concen: 2.50 ppb
RT: 8.255 min Scan# 1174
Delta R.T. 0.012 min
Lab File: P39774.D
Acq: 18 Sep 2020 4:37 am

Tgt Ion: 43 Resp: 10589

Ion	Ratio	Lower	Upper
43	100		
58	40.9	19.1	59.1
100	20.7	0.0	38.5

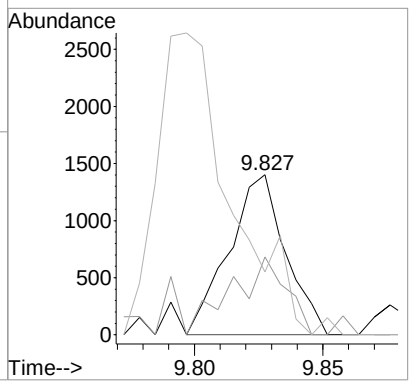




#78
Chlorobenzene
Concen: 0.24 ppb
RT: 9.827 min Scan# 1432
Delta R.T. -0.000 min
Lab File: P39774.D
Acq: 18 Sep 2020 4:37 am

Tgt Ion:112 Resp: 2159

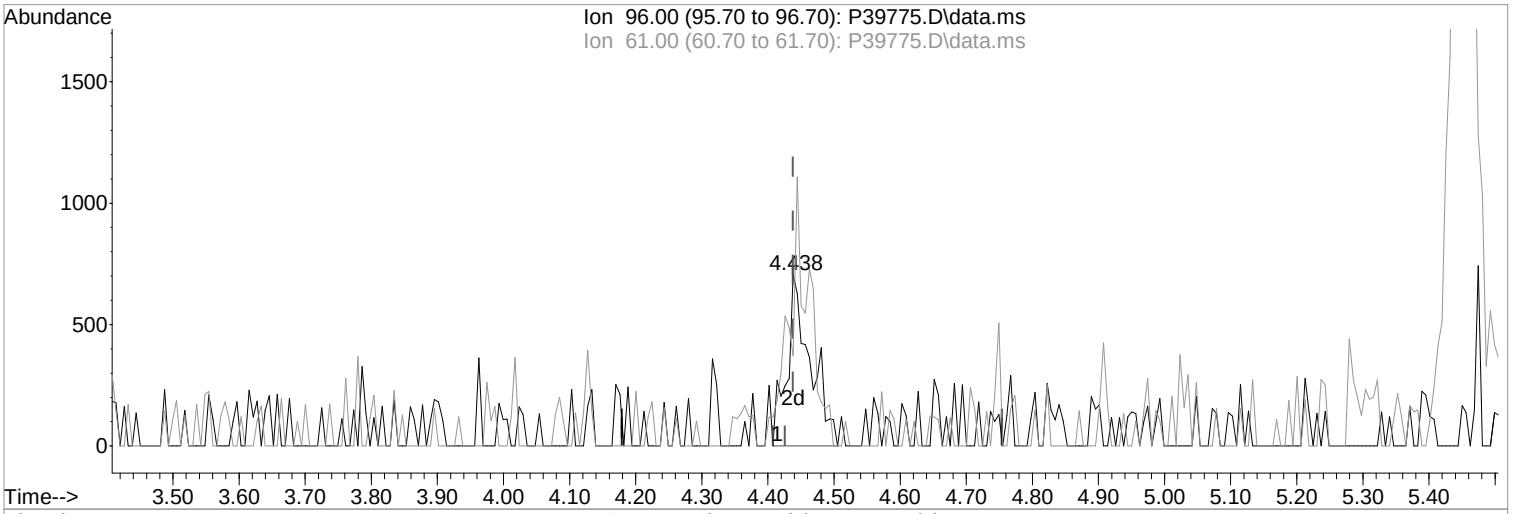
Ion	Ratio	Lower	Upper
112	100		
114	48.6	11.7	51.7
77	39.2	34.1	74.1

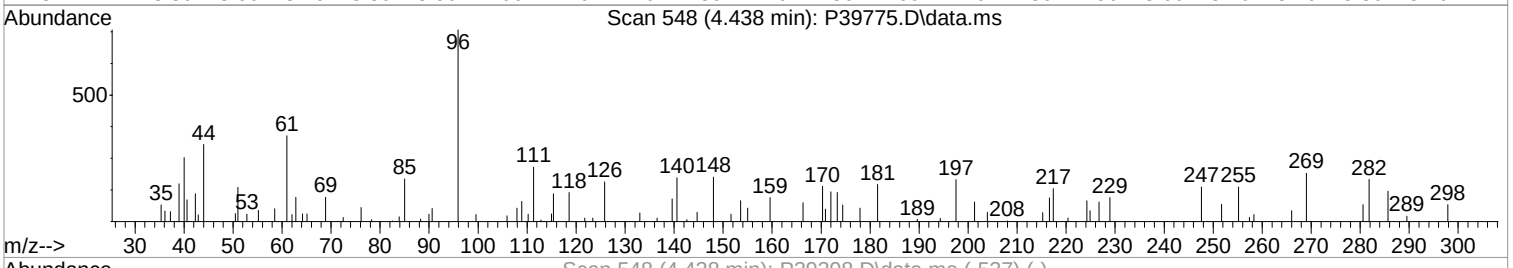


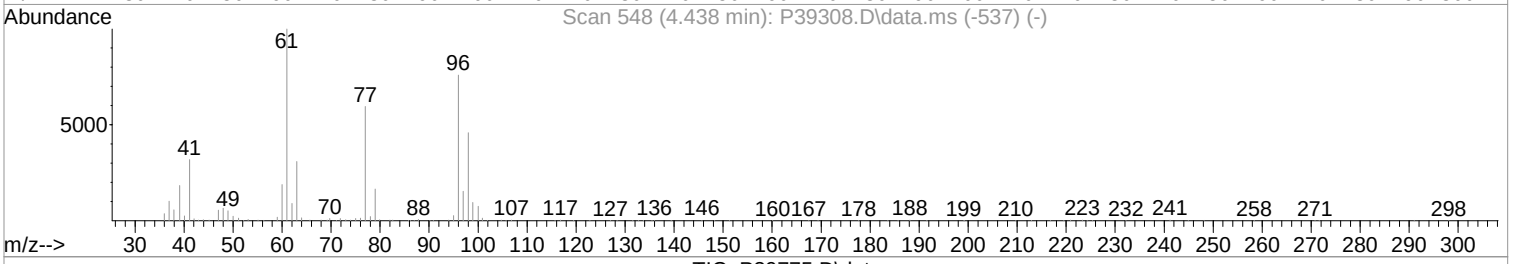
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39775.D
Acq On : 18 Sep 2020 4:58 am
Operator : K.Ruest
Sample : R2008512-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 18 10:46:07 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39775.D\data.ms

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

4.438min (-0.000) 0.65 ppb m

response 1750

Ion	Exp%	Act%
96.00	100	100
61.00	132.70	52.48#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

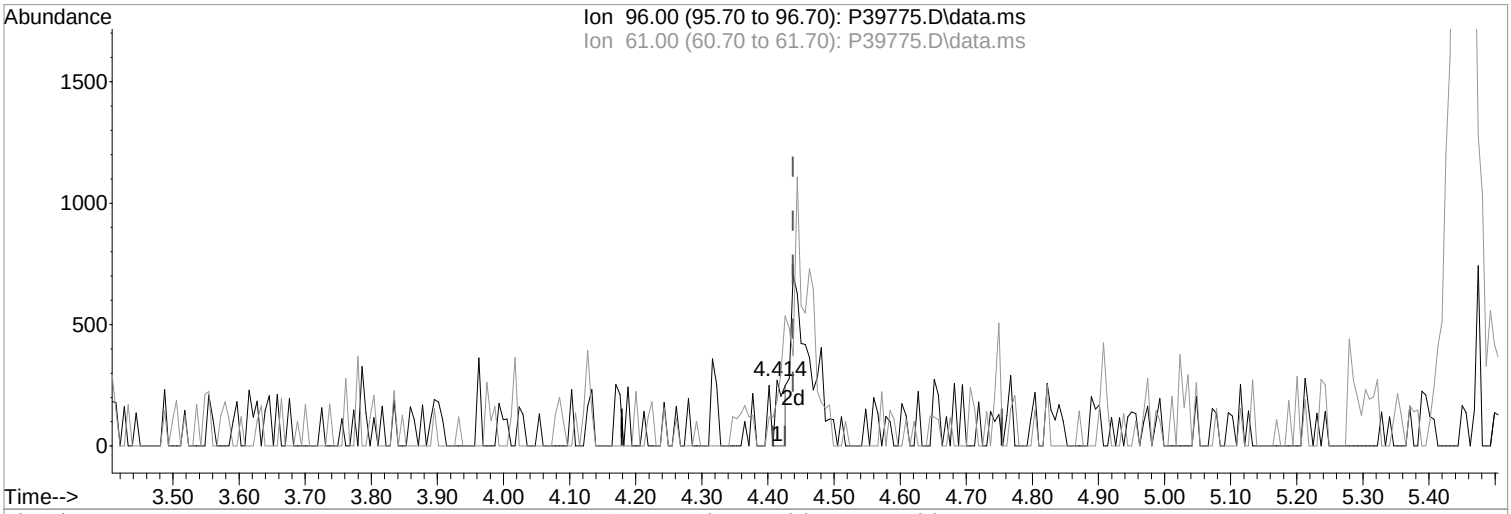
Split Peak

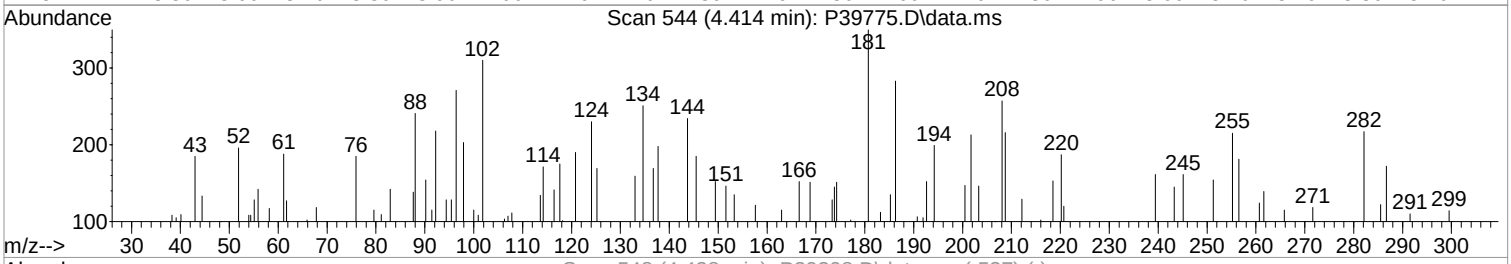
09/22/20

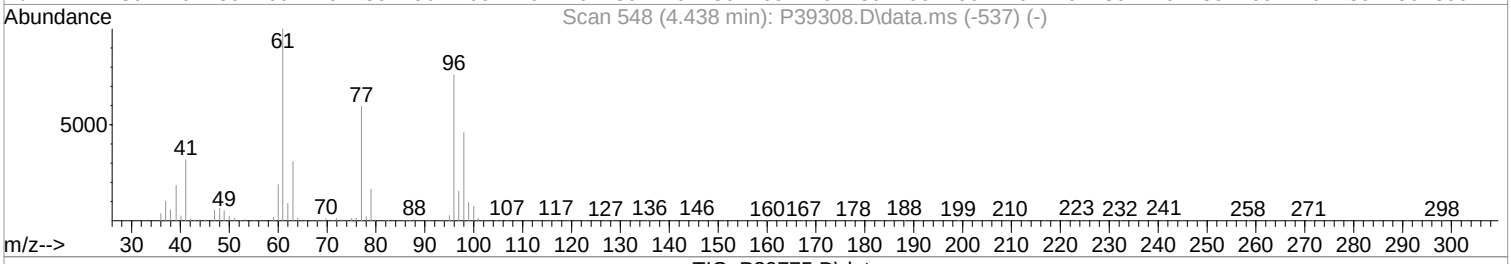
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39775.D
Acq On : 18 Sep 2020 4:58 am
Operator : K.Ruest
Sample : R2008512-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 18 10:46:07 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39775.D\data.ms

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

4.414min (-0.024) 0.10 ppb

response 265

Ion	Exp%	Act%
96.00	100	100
61.00	132.70	116.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39775.D
Acq On : 18 Sep 2020 4:58 am
Operator : K.Ruest
Sample : R2008512-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 22 14:35:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

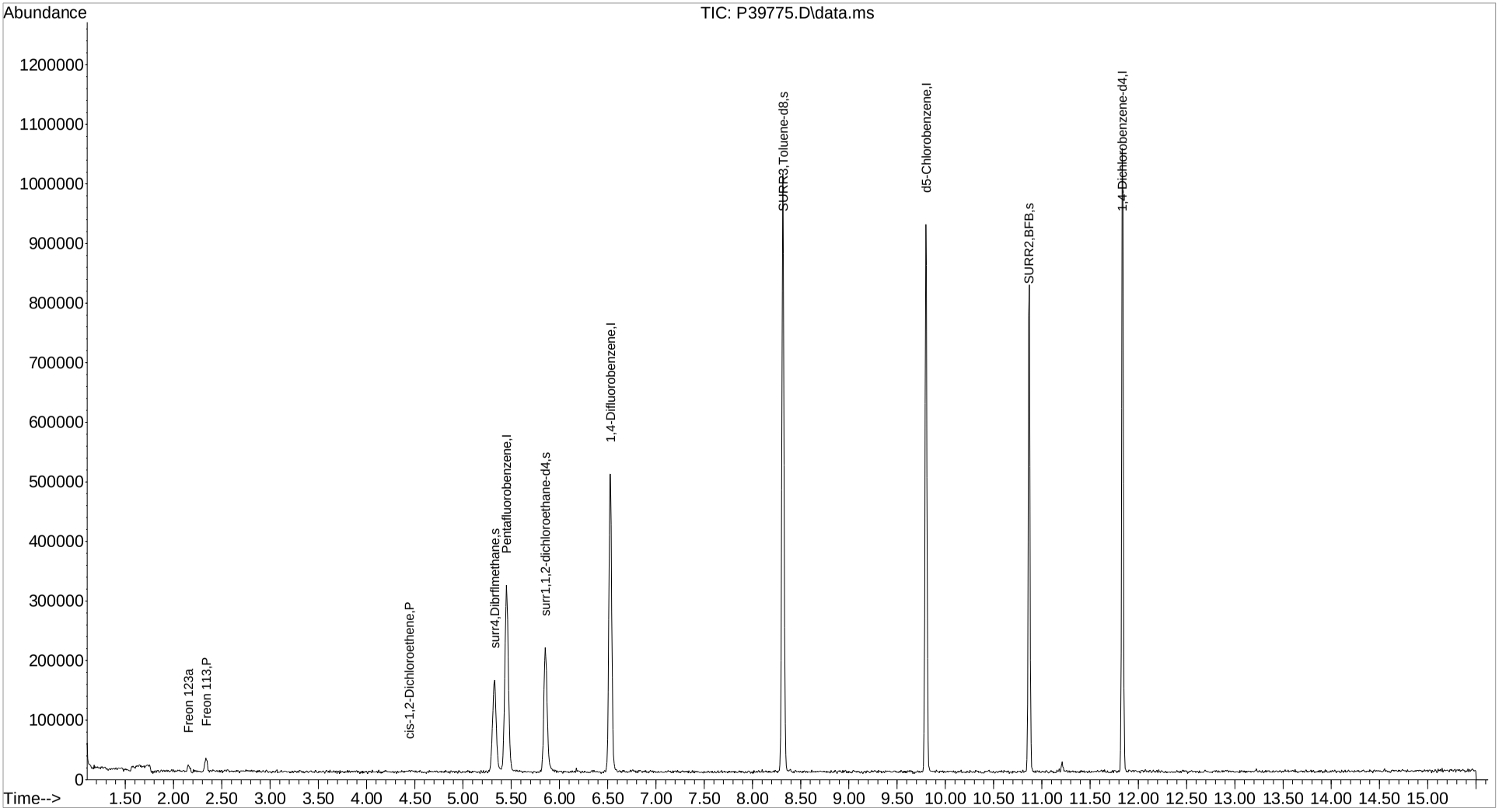
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	262407	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.529	114	445976	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	398557	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	193984	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.328	113	122987	46.98	ppb	0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.96%			
48) surr1,1,2-dichloroetha...	5.853	65	182124	52.11	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.22%			
65) SURR3,Toluene-d8	8.315	98	607226	51.04	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.08%			
70) SURR2,BFB	10.864	95	223010	48.32	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.64%			
Target Compounds						Qvalue
10) Freon 123a	2.152	67	4183	1.48	ppb	97
14) Freon 113	2.335	101	8429	3.86	ppb	98
34) cis-1,2-Dichloroethene	4.438	96	1750m	0.65	ppb	

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

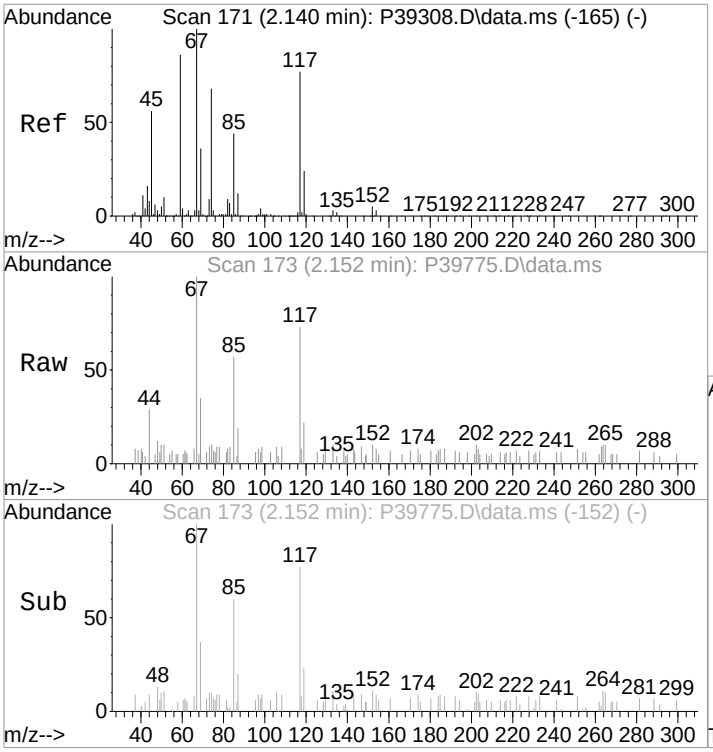
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39775.D
Acq On : 18 Sep 2020 4:58 am
Operator : K.Ruest
Sample : R2008512-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 22 14:35:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



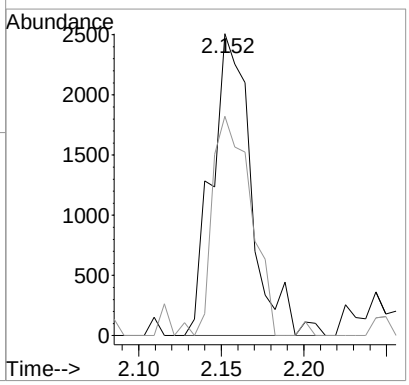
1st 09/22/20
2nd 09/22/20

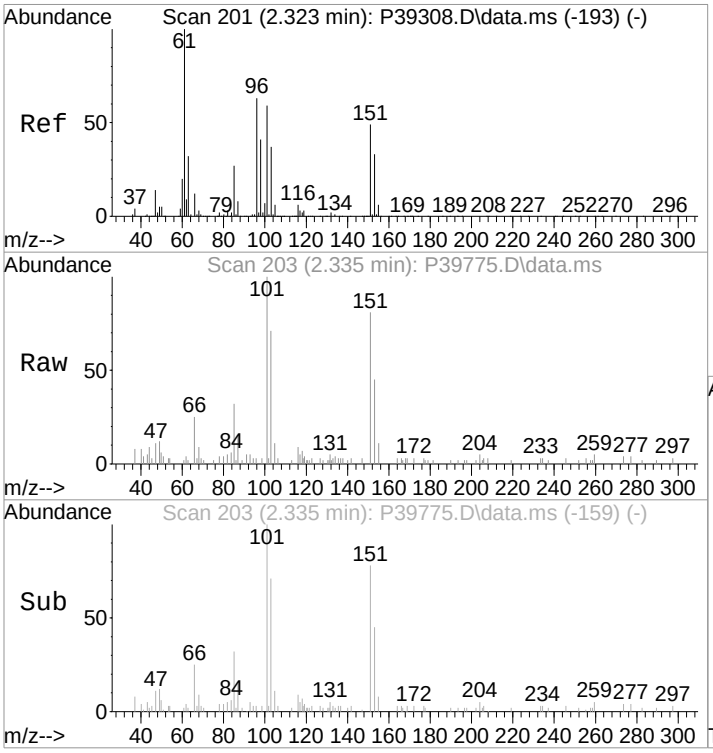


#10
Freon 123a
Concen: 1.48 ppb
RT: 2.152 min Scan# 173
Delta R.T. 0.012 min
Lab File: P39775.D
Acq: 18 Sep 2020 4:58 am

Tgt Ion: 67 Resp: 4183

Ion	Ratio	Lower	Upper
67	100		
117	80.5	57.5	97.5

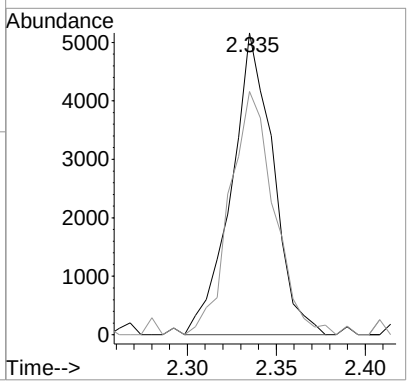


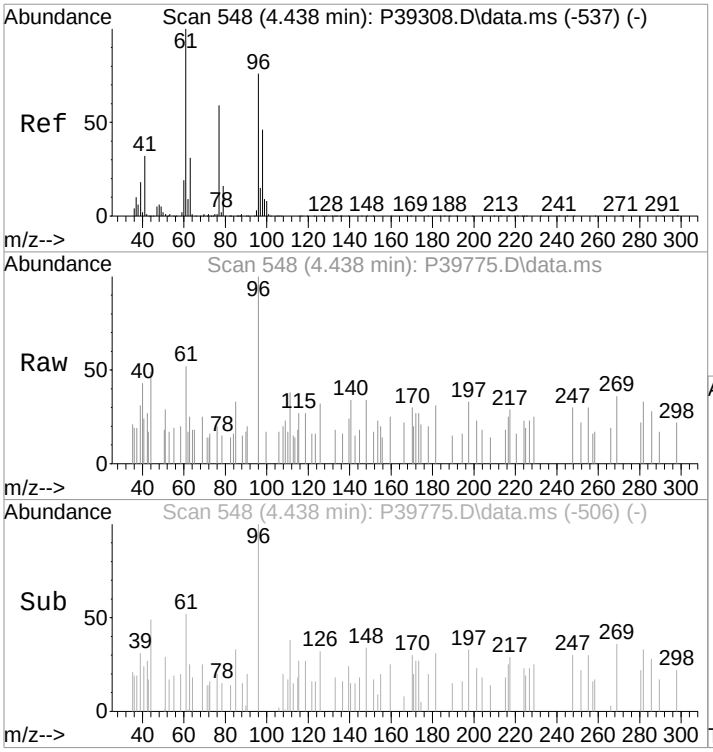


#14
Freon 113
Concen: 3.86 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P39775.D
Acq: 18 Sep 2020 4:58 am

Tgt Ion:101 Resp: 8429

Ion	Ratio	Lower	Upper
101	100		
151	80.5	62.1	102.1

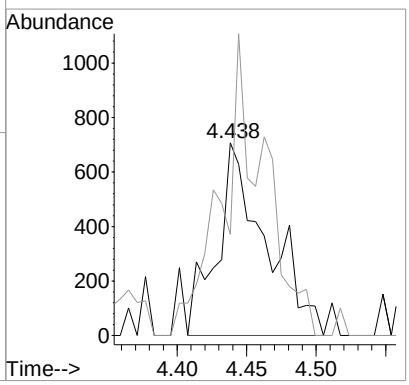




#34
cis-1,2-Dichloroethene
Concen: 0.65 ppb m
RT: 4.438 min Scan# 548
Delta R.T. -0.000 min
Lab File: P39775.D
Acq: 18 Sep 2020 4:58 am

Tgt Ion: 96 Resp: 1750

Ion	Ratio	Lower	Upper
96	100		
61	52.5	112.7	152.7#

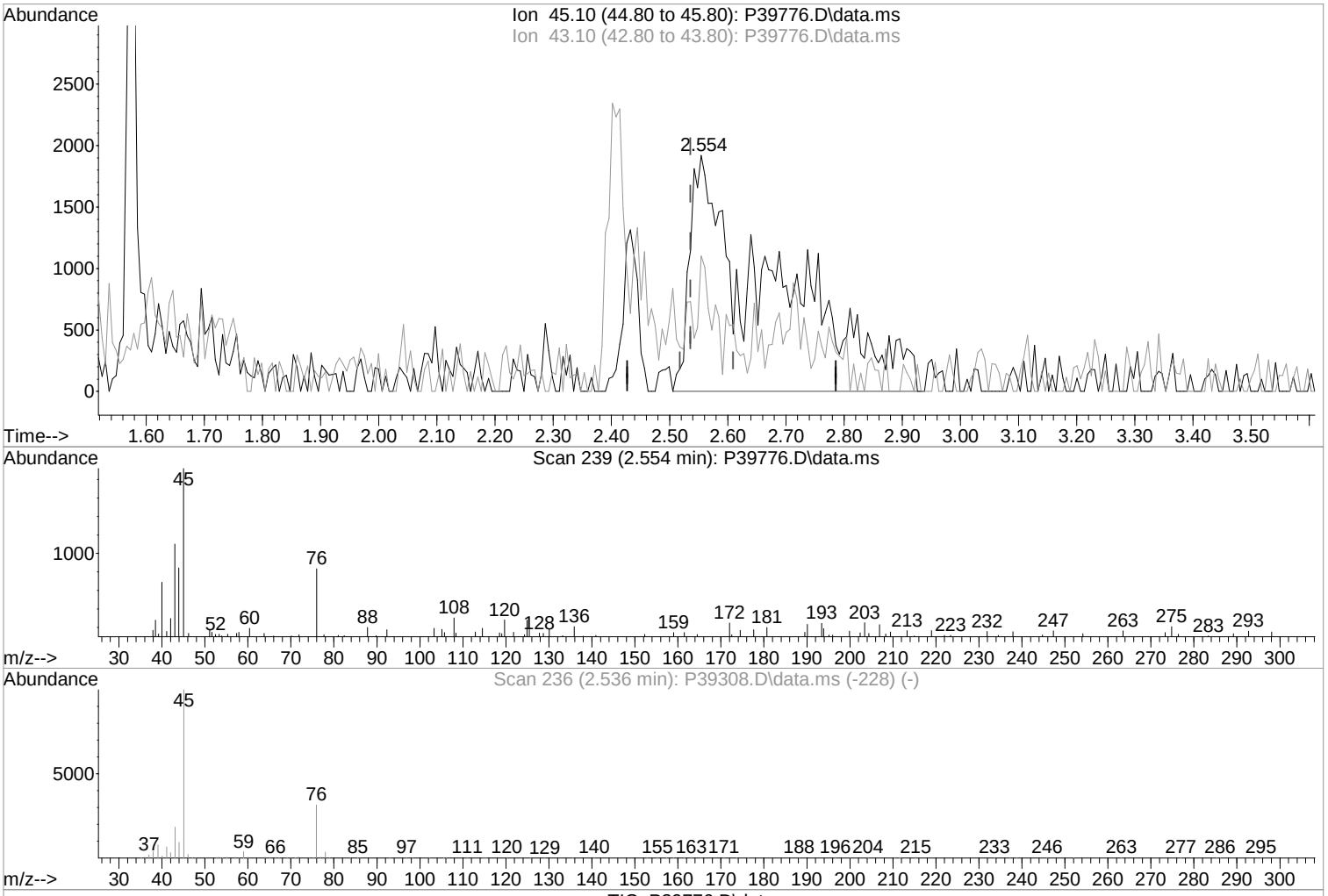


1st 09/22/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39776.D
Acq On : 18 Sep 2020 5:20 am
Operator : K.Ruest
Sample : R2008512-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 18 10:46:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39776.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 56.07 ppb m

response 18975

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	57.34#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

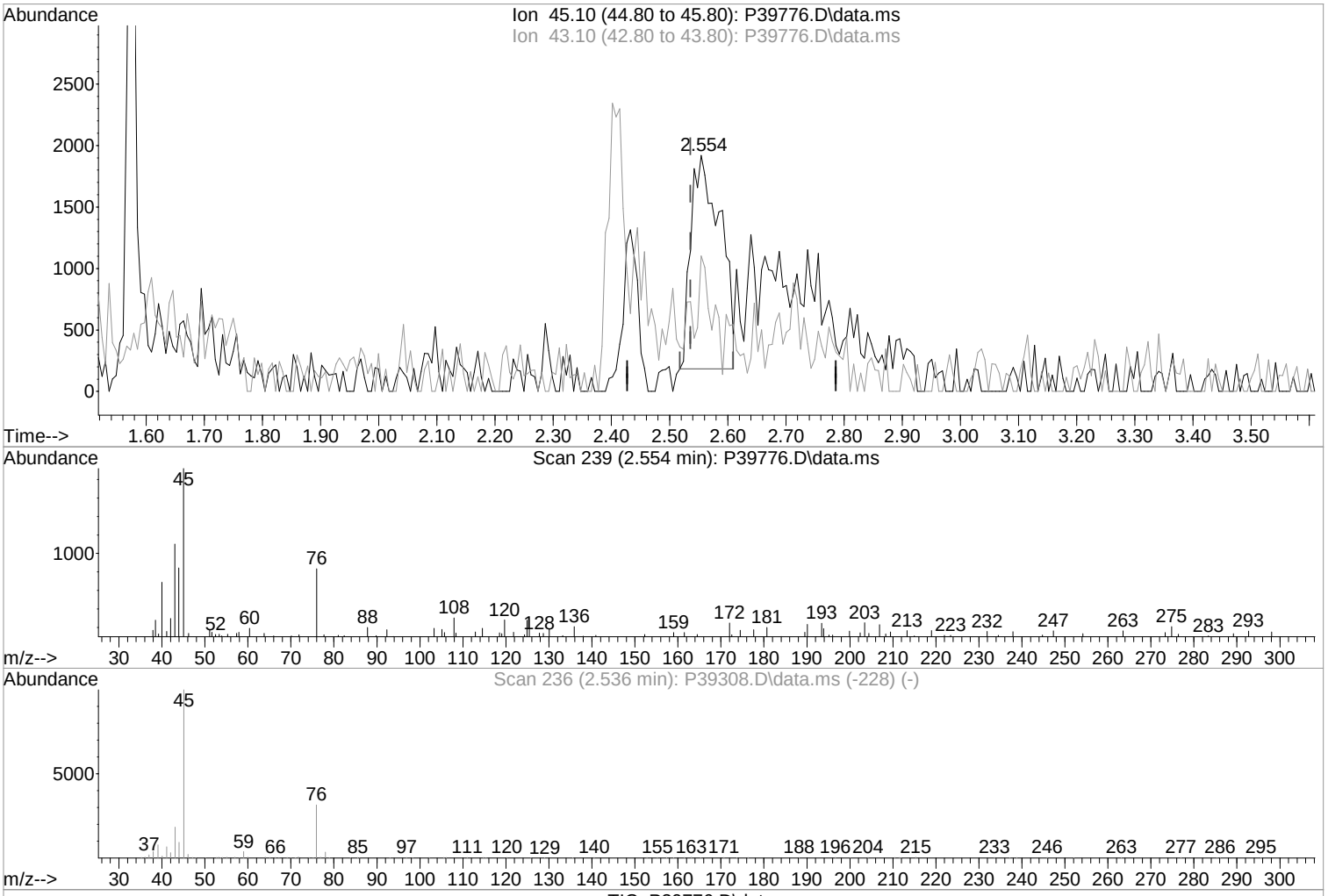
09/22/20

1st 09/22/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39776.D
Acq On : 18 Sep 2020 5:20 am
Operator : K.Ruest
Sample : R2008512-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 18 10:46:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39776.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 18.07 ppb

response 6114

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	57.34#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

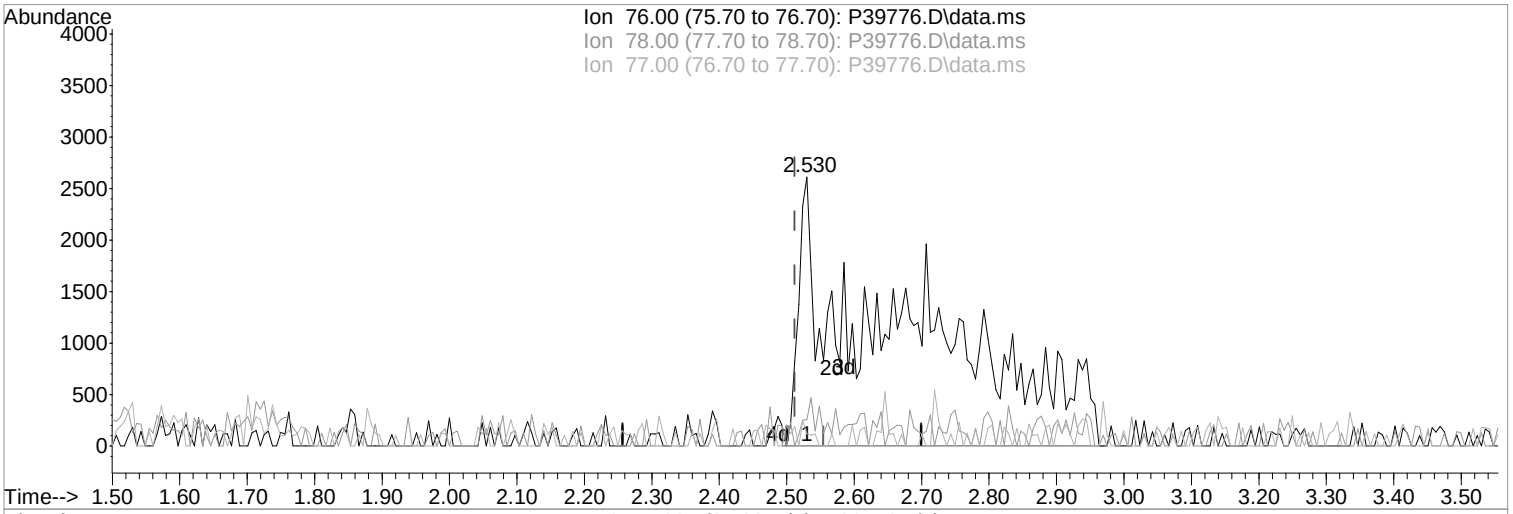
09/22/20

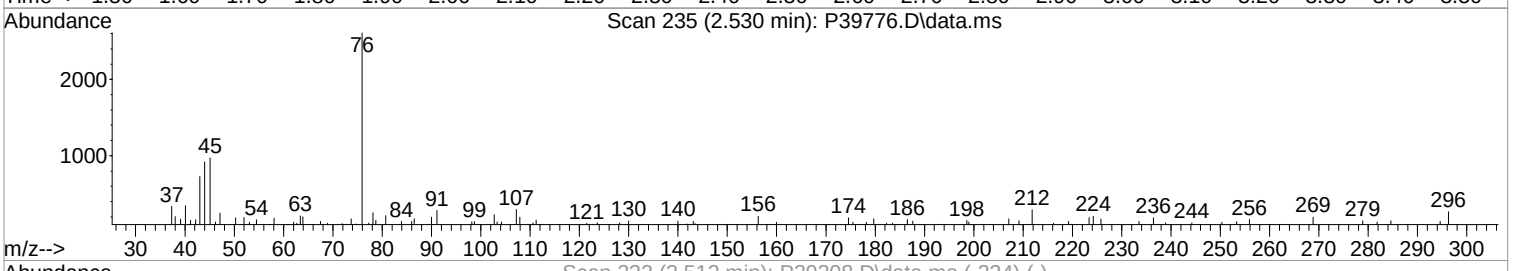
1st 09/22/20
2nd 09/22/20

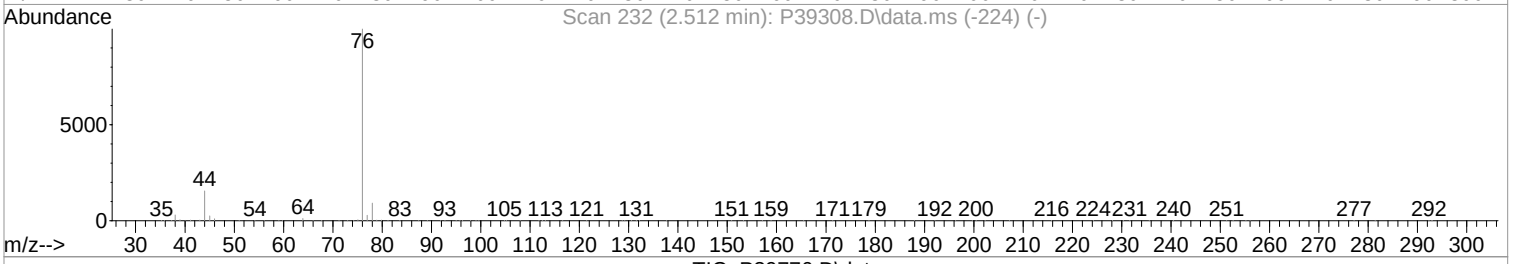
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39776.D
Acq On : 18 Sep 2020 5:20 am
Operator : K.Ruest
Sample : R2008512-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 18 10:46:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39776.D\data.ms

(18) Carbon Disulfide (P)

2.530min (+0.018) 3.78 ppb m

response 27089

Ion	Exp%	Act%
76.00	100	100
78.00	9.10	9.77
77.00	2.80	4.60
0.00	0.00	0.00

Manual Integration:

After

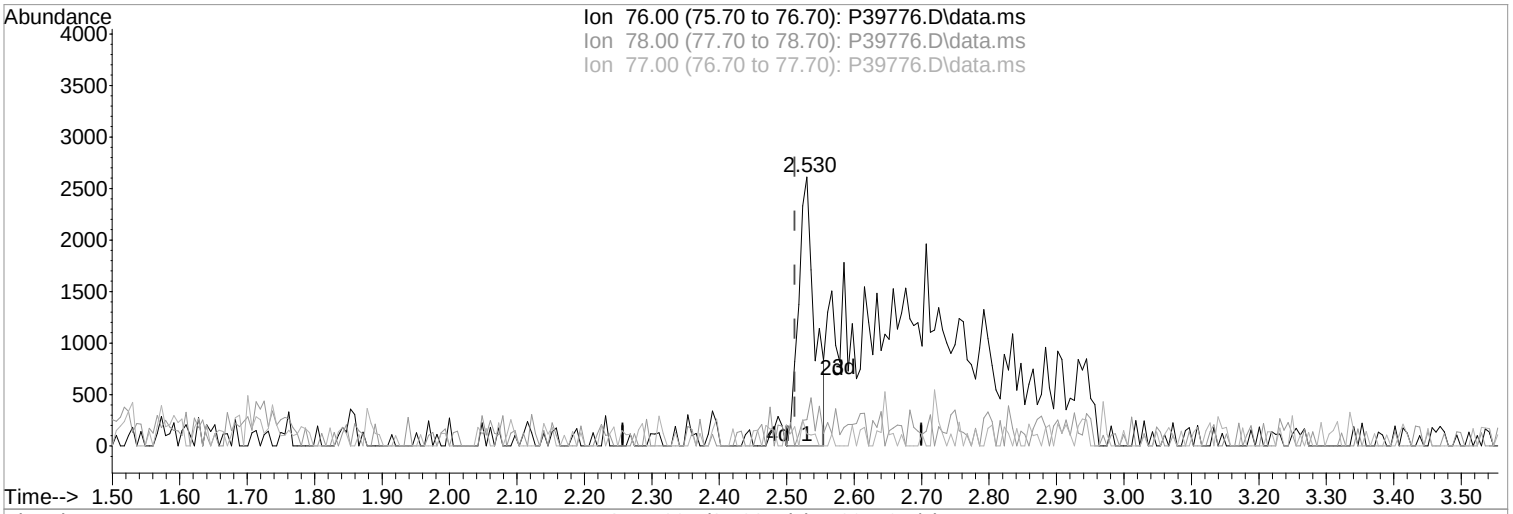
Poor integration.

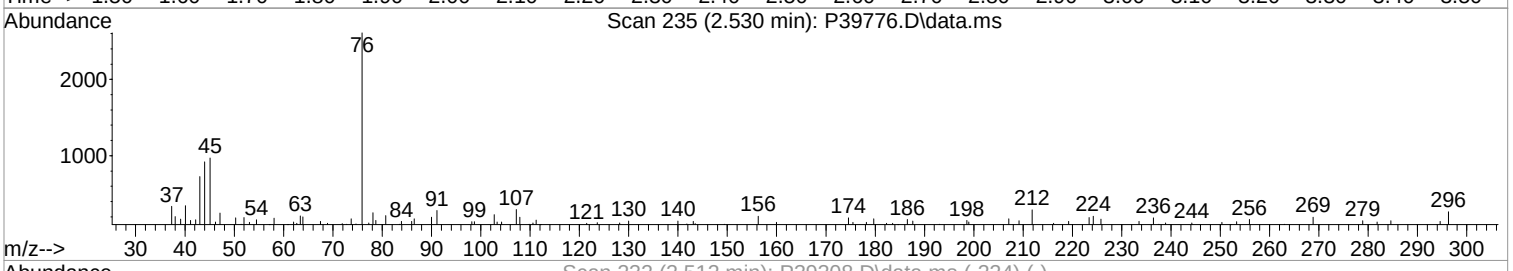
09/22/20

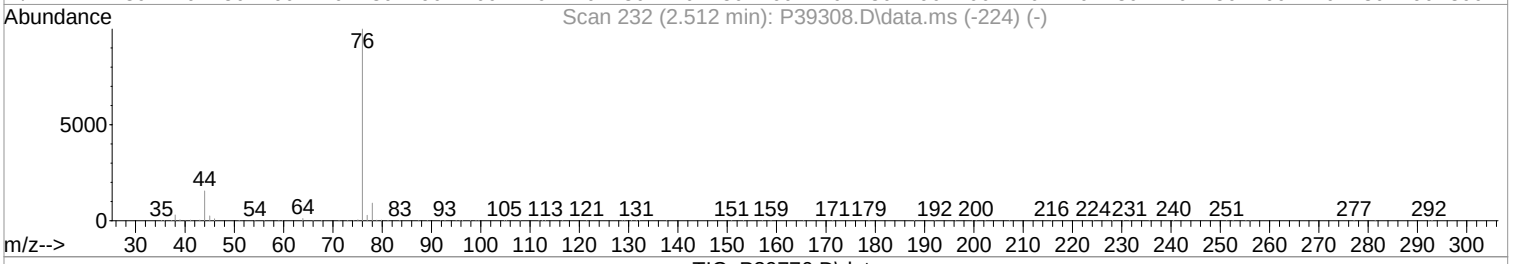
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39776.D
Acq On : 18 Sep 2020 5:20 am
Operator : K.Ruest
Sample : R2008512-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 18 10:46:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39776.D\data.ms

(18) Carbon Disulfide (P)

2.530min (+0.018) 0.60 ppb

response 4336

Ion	Exp%	Act%
76.00	100	100
78.00	9.10	15.66
77.00	2.80	4.60
0.00	0.00	0.00

Manual Integration:

Before

09/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39776.D
Acq On : 18 Sep 2020 5:20 am
Operator : K.Ruest
Sample : R2008512-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 22 14:37:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

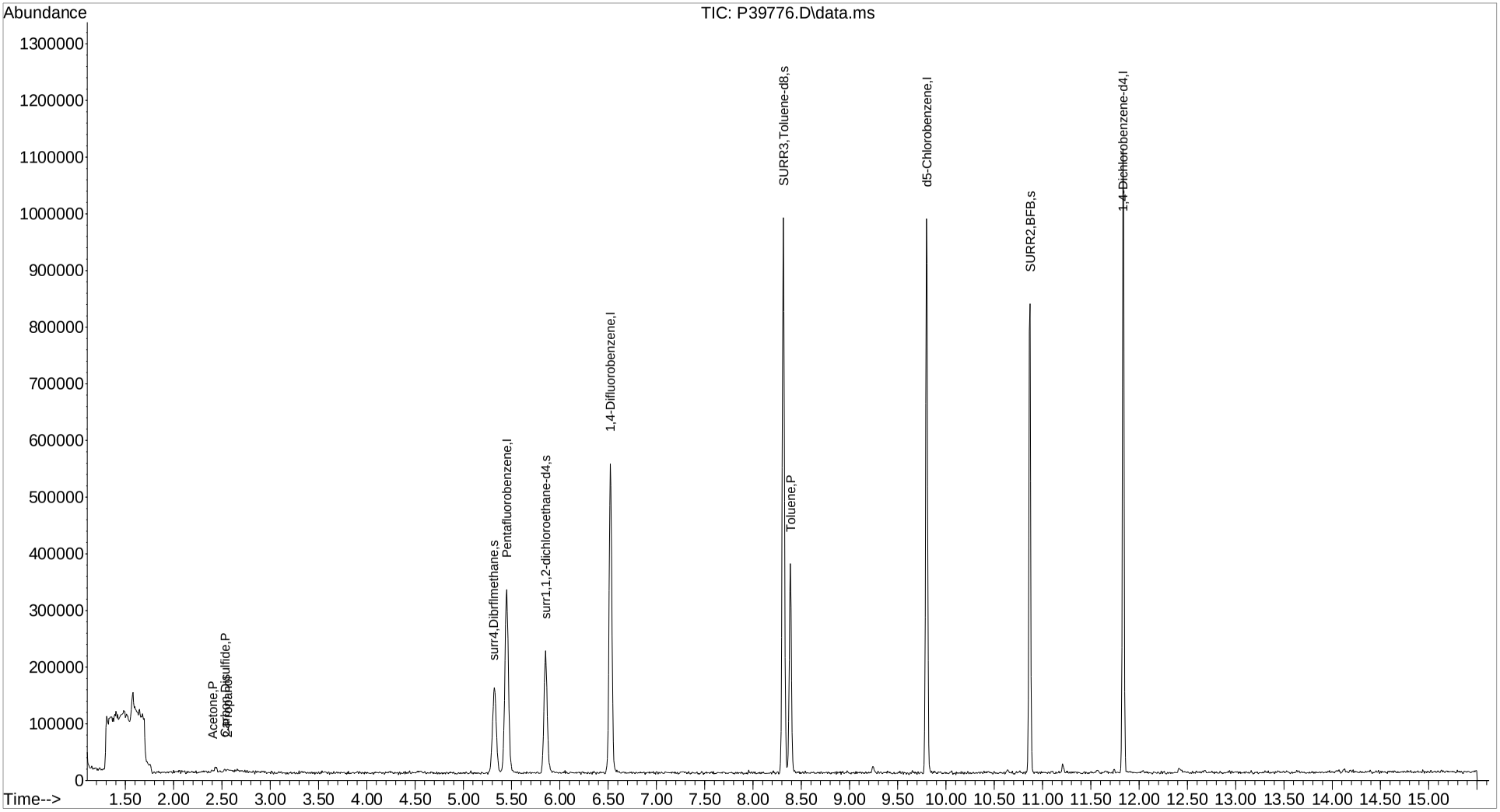
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	282744	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	476971	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	426267	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	206627	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	127352	45.49	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.98%			
48) surr1,1,2-dichloroetha...	5.852	65	184971	49.49	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.98%			
65) SURR3,Toluene-d8	8.315	98	602014	47.31	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 94.62%			
70) SURR2,BFB	10.870	95	229514	46.50	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.00%			
Target Compounds						Qvalue
15) Acetone	2.402	43	4781	3.51	ppb	75
16) 2-Propanol	2.554	45	18975m	56.07	ppb	
18) Carbon Disulfide	2.530	76	27089m	3.78	ppb	
66) Toluene	8.389	91	241653	16.73	ppb	97

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

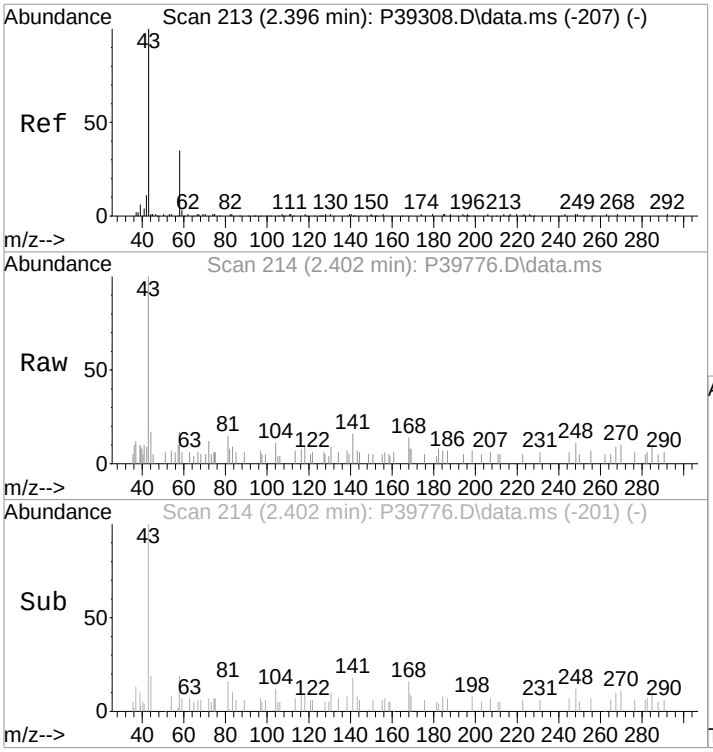
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39776.D
Acq On : 18 Sep 2020 5:20 am
Operator : K.Ruest
Sample : R2008512-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 22 14:37:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



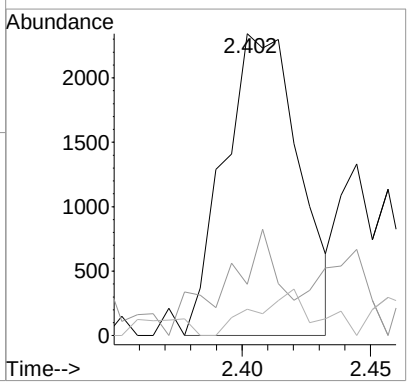
1st 09/22/20
2nd 09/22/20

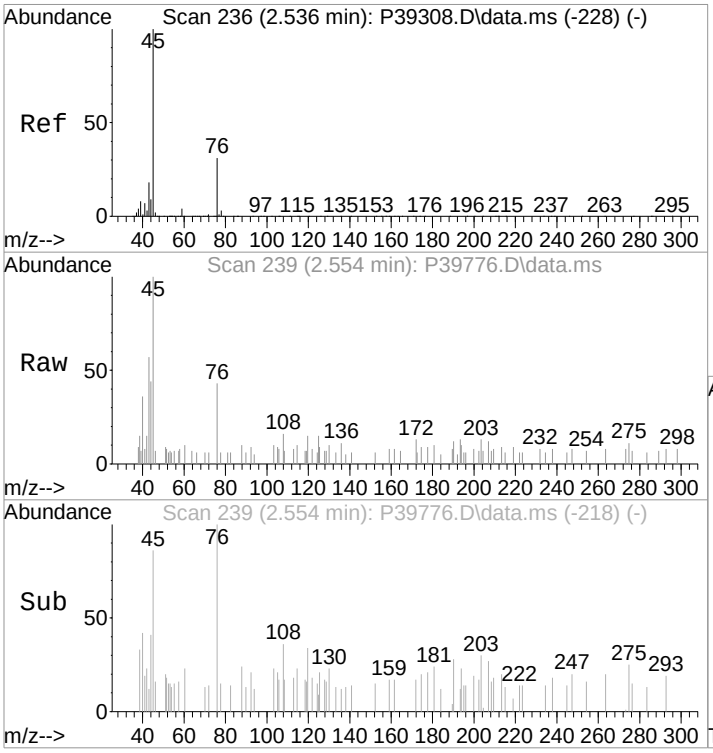


#15
Acetone
Concen: 3.51 ppb
RT: 2.402 min Scan# 214
Delta R.T. 0.006 min
Lab File: P39776.D
Acq: 18 Sep 2020 5:20 am

Tgt Ion: 43 Resp: 4781

Ion	Ratio	Lower	Upper
43	100		
58	17.0	14.8	54.8
42	8.7	0.0	31.4

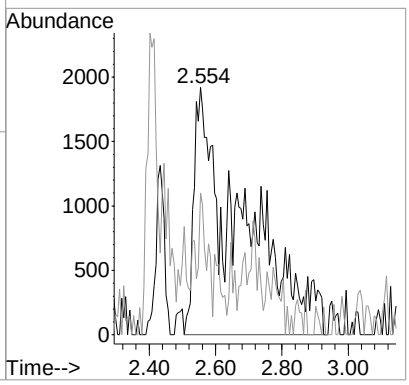


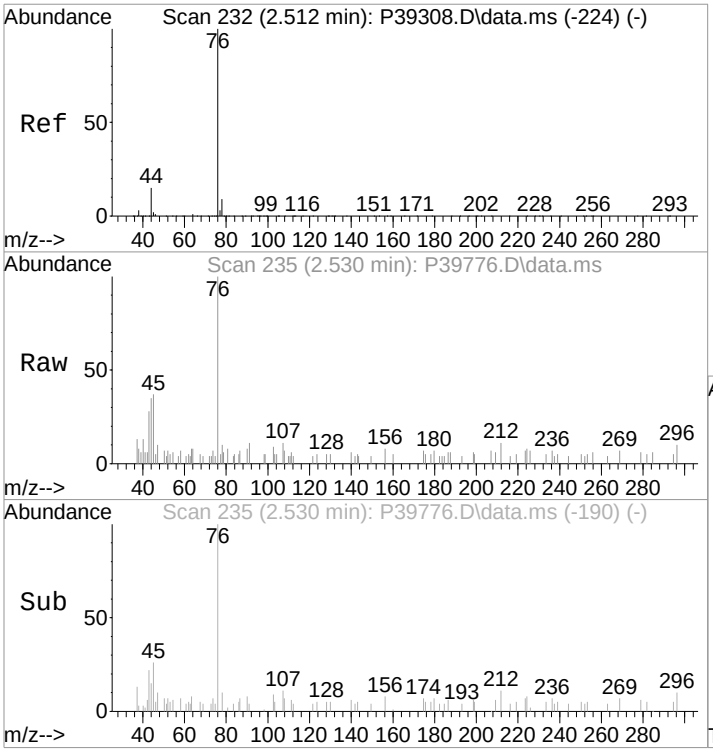


#16
2-Propanol
Concen: 56.07 ppb m
RT: 2.554 min Scan# 239
Delta R.T. 0.018 min
Lab File: P39776.D
Acq: 18 Sep 2020 5:20 am

Tgt Ion: 45 Resp: 18975

Ion	Ratio	Lower	Upper
45	100		
43	57.3	3.1	43.1#

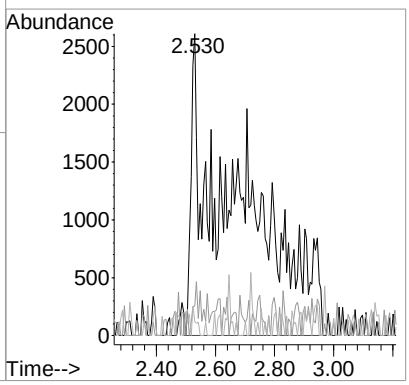


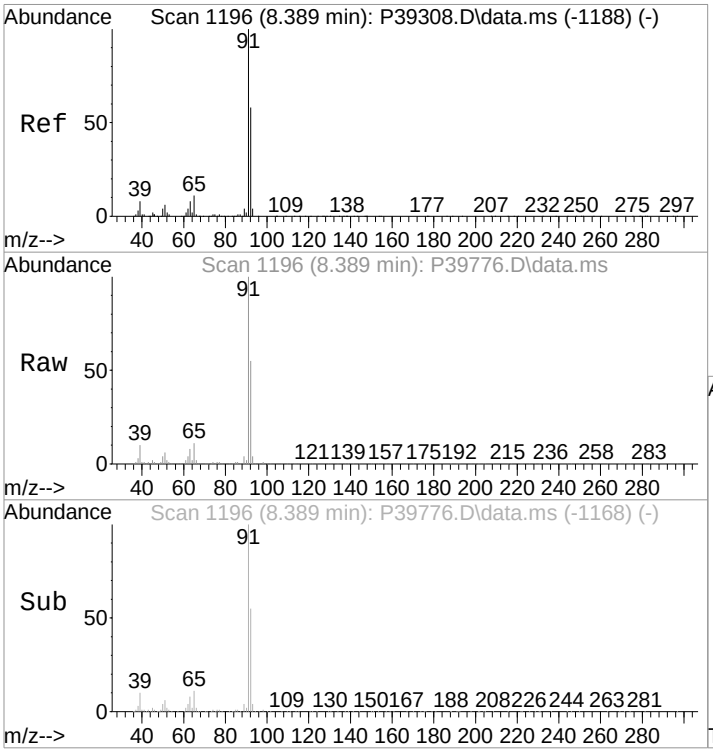


#18
Carbon Disulfide
Concen: 3.78 ppb m
RT: 2.530 min Scan# 235
Delta R.T. 0.018 min
Lab File: P39776.D
Acq: 18 Sep 2020 5:20 am

Tgt Ion: 76 Resp: 27089

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	29.1
77	4.6	0.0	22.8

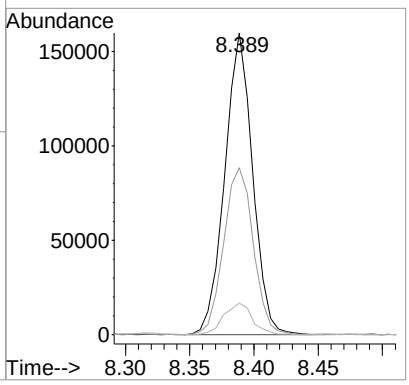




#66
Toluene
Concen: 16.73 ppb
RT: 8.389 min Scan# 1196
Delta R.T. -0.000 min
Lab File: P39776.D
Acq: 18 Sep 2020 5:20 am

Tgt Ion: 91 Resp: 241653

Ion	Ratio	Lower	Upper
91	100		
92	55.4	38.3	78.3
65	10.5	0.0	30.6

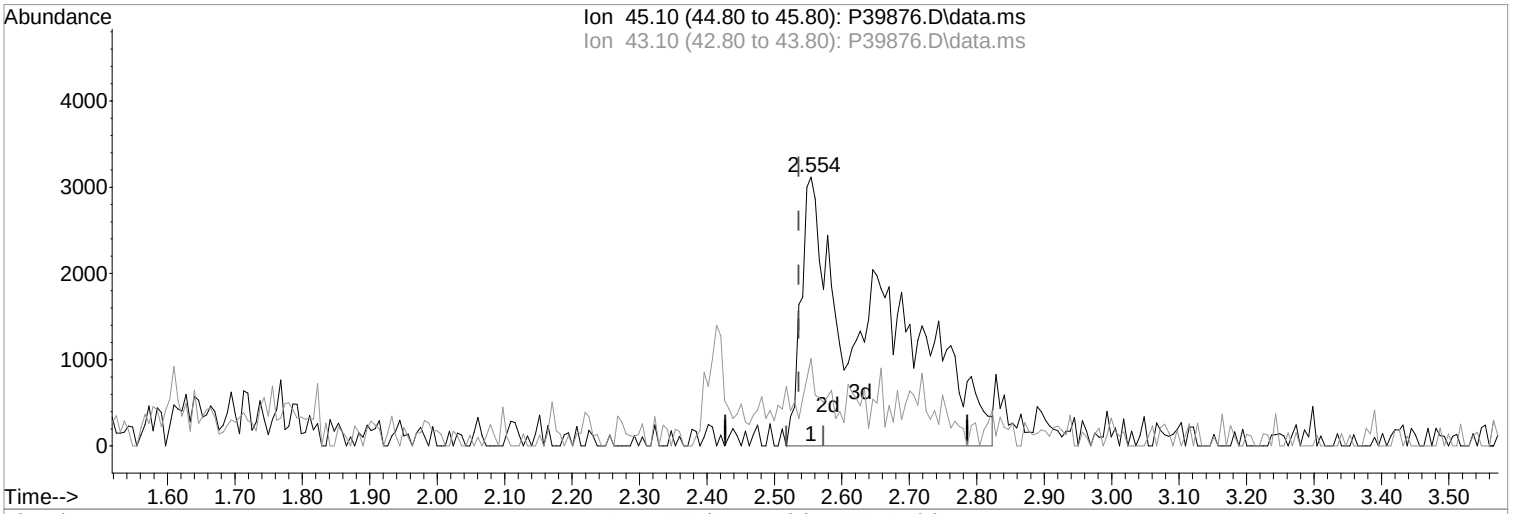


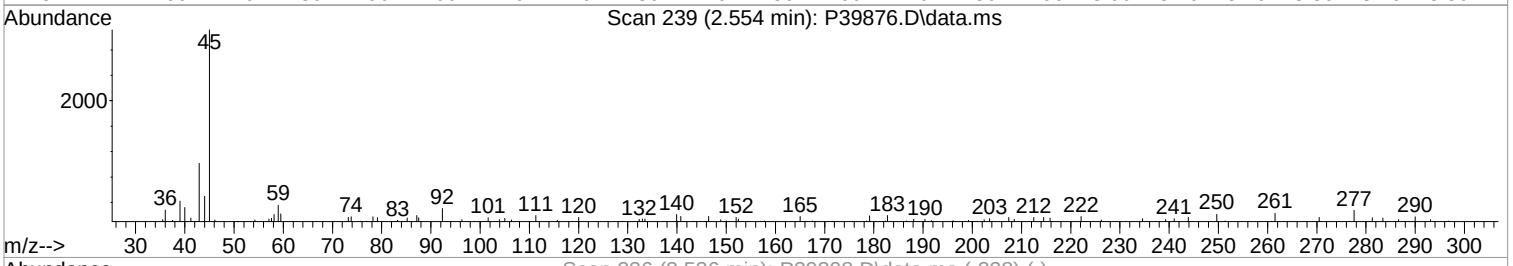
1st 09/23/20
2nd 09/24/20

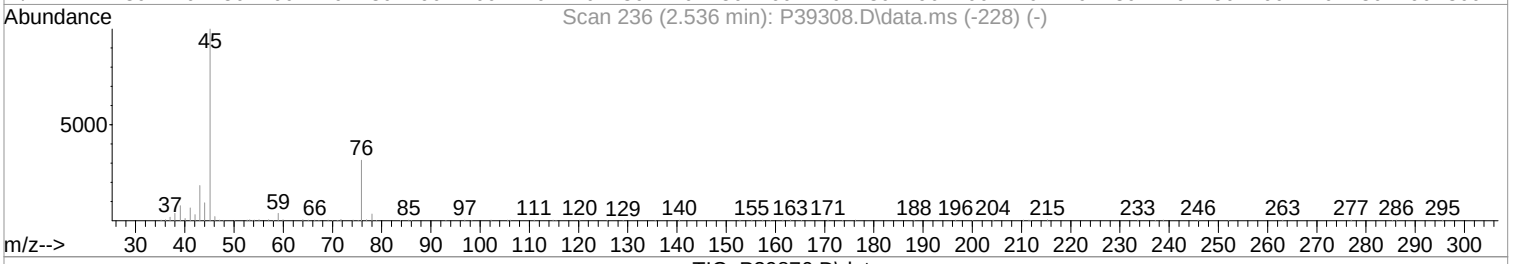
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39876.D
Acq On : 21 Sep 2020 5:53 pm
Operator : K.Ruest
Sample : R2008512-010|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 21 18:24:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39876.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 67.61 ppb m

response 24287

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	32.55
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

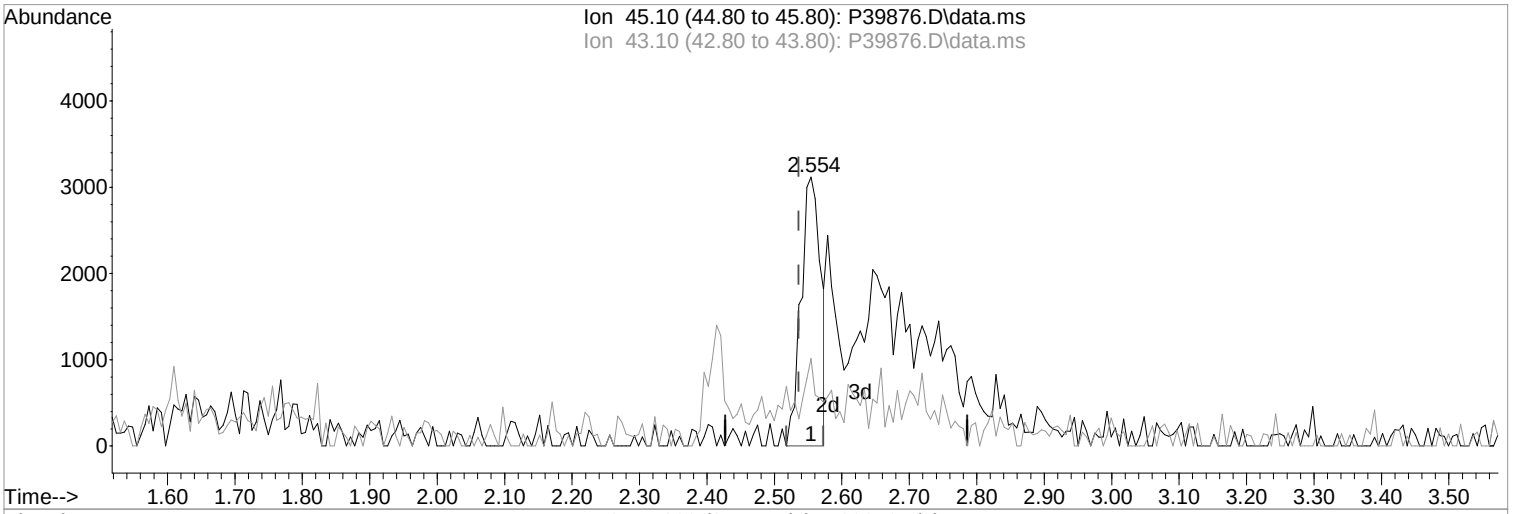
Poor integration.

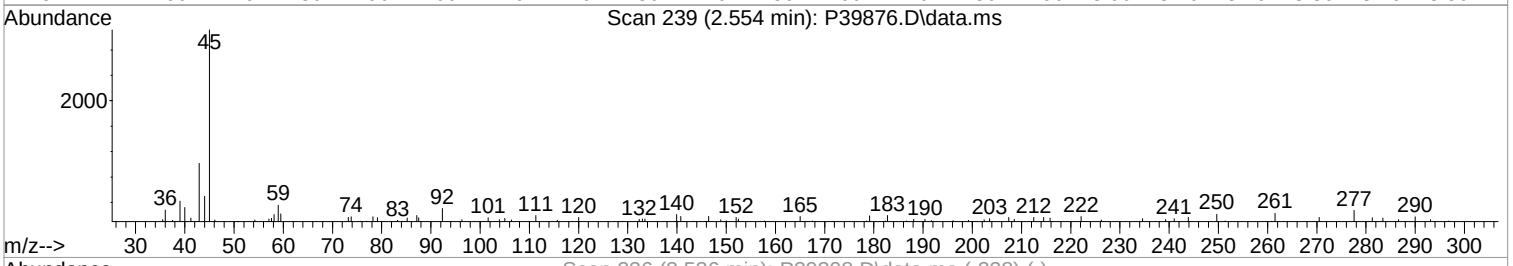
09/23/20

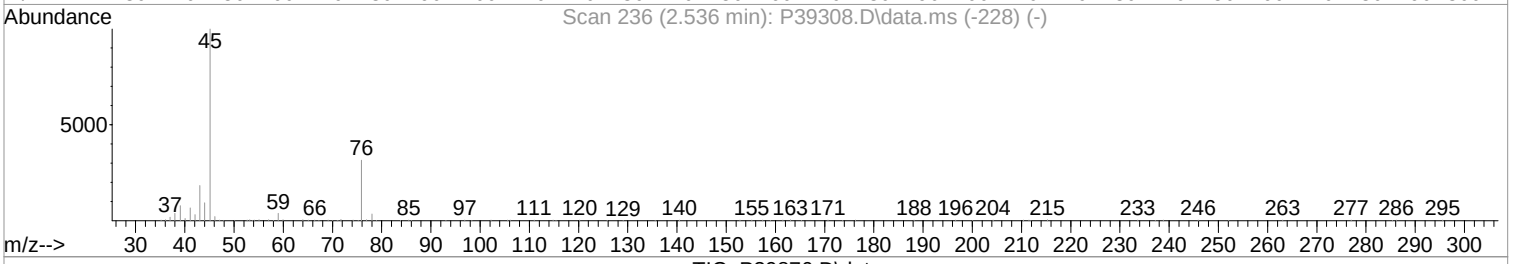
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39876.D
Acq On : 21 Sep 2020 5:53 pm
Operator : K.Ruest
Sample : R2008512-010|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 21 18:24:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39876.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 17.43 ppb

response 6260

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	32.55
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39876.D
Acq On : 21 Sep 2020 5:53 pm
Operator : K.Ruest
Sample : R2008512-010|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 17:44:07 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

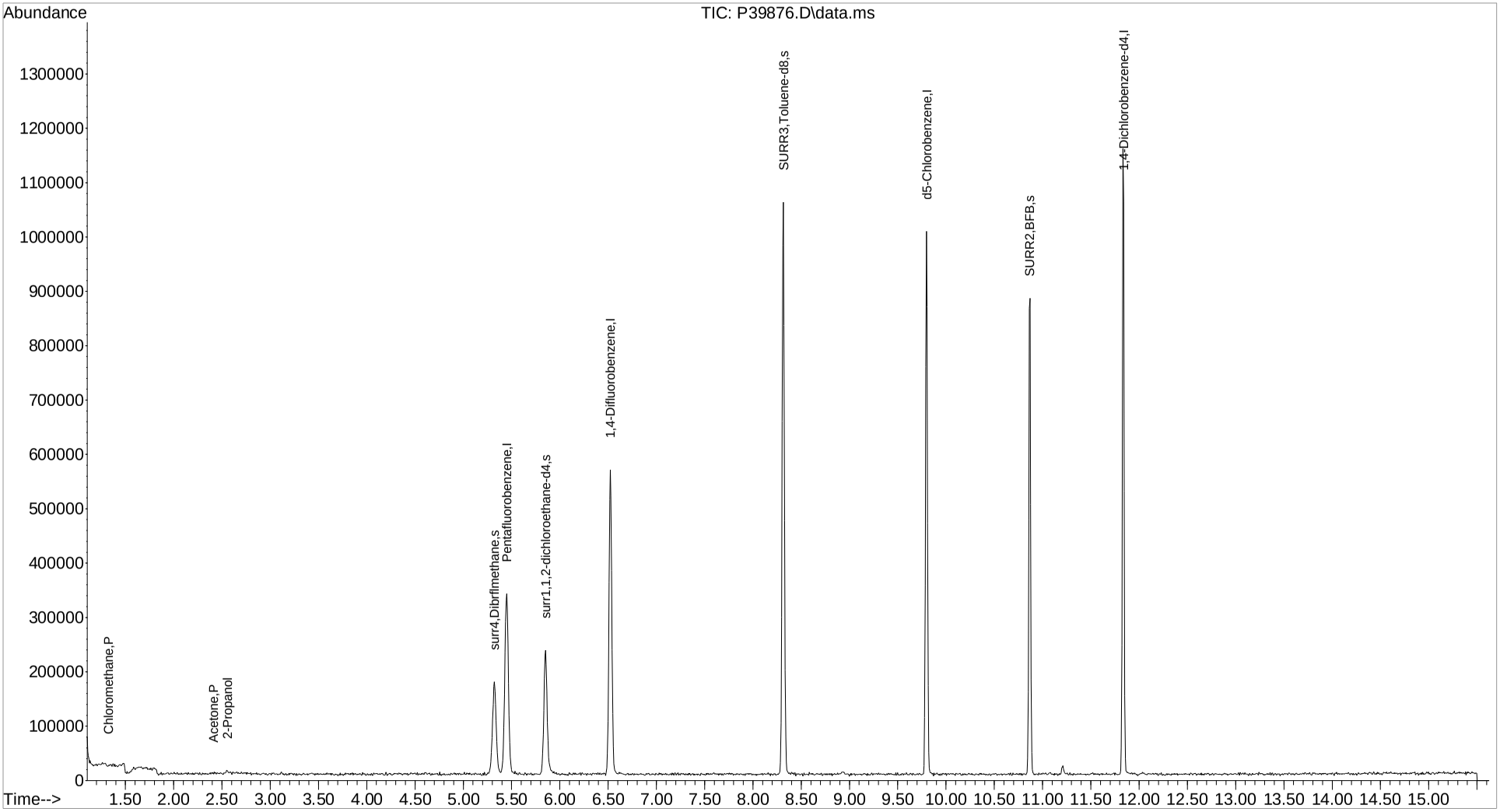
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	300105	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	493251	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	442037	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	223958	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.322	113	134004	46.28	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.56%			
48) surr1,1,2-dichloroetha...	5.853	65	198475	51.35	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.70%			
65) SURR3,Toluene-d8	8.315	98	662695	50.36	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.72%			
70) SURR2,BFB	10.864	95	239232	46.87	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.74%			
Target Compounds						Qvalue
3) Chloromethane	1.323	50	1351	0.33	ppb	92
15) Acetone	2.414	43	2491	1.72	ppb	75
16) 2-Propanol	2.554	45	24287m	67.61	ppb	

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

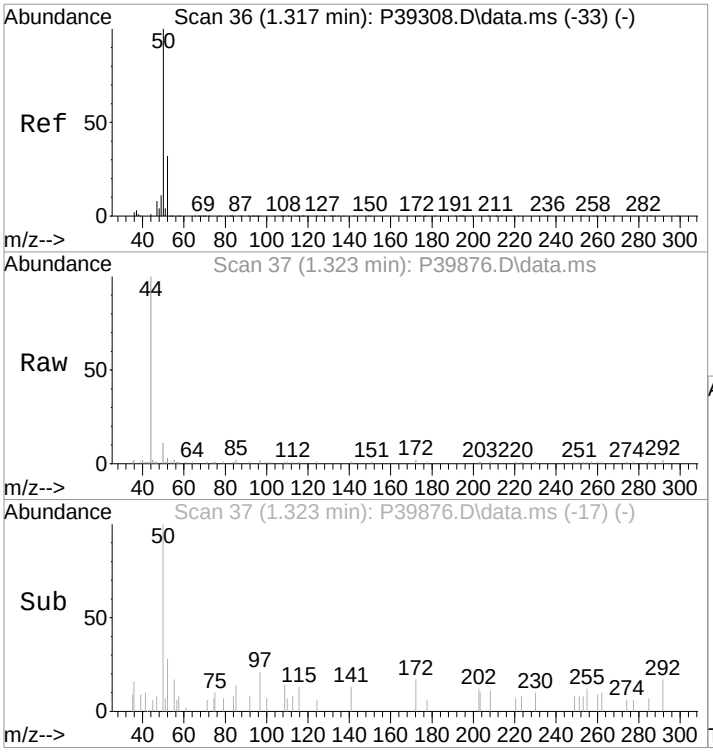
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39876.D
Acq On : 21 Sep 2020 5:53 pm
Operator : K.Ruest
Sample : R2008512-010|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 17:44:07 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



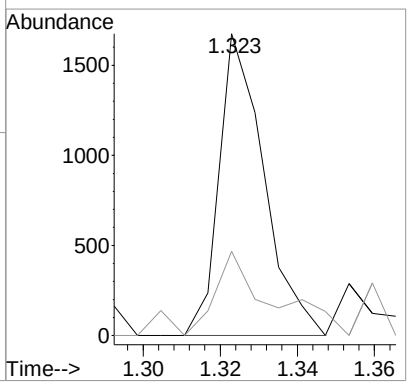
1st 09/23/20
2nd 09/24/20

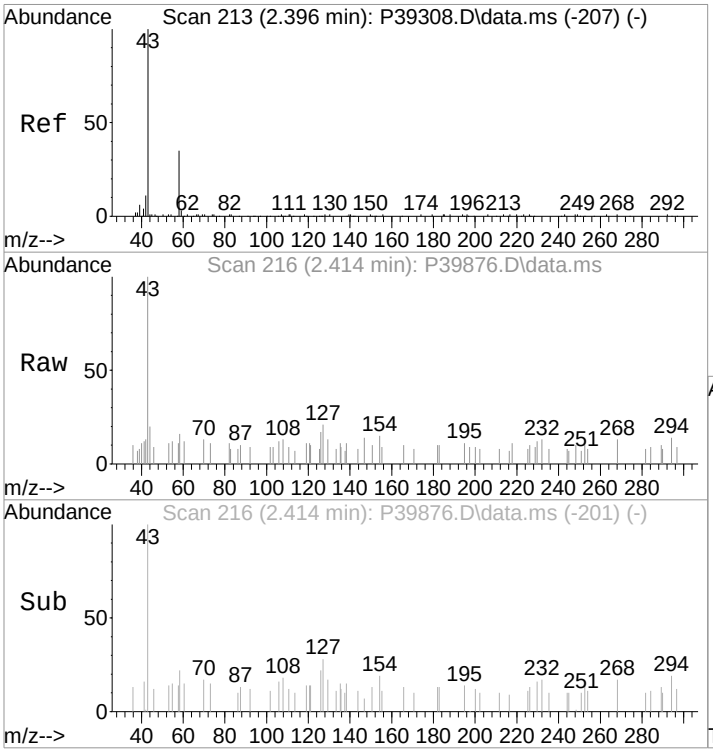


#3
Chloromethane
Concen: 0.33 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39876.D
Acq: 21 Sep 2020 5:53 pm

Tgt Ion: 50 Resp: 1351

Ion	Ratio	Lower	Upper
50	100		
52	27.9	12.1	52.1

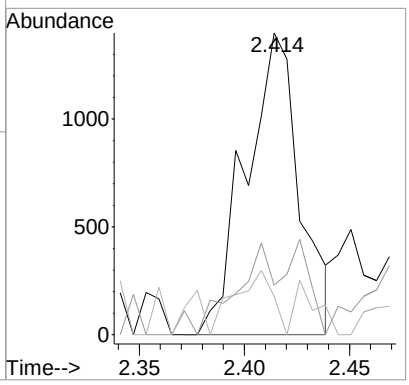


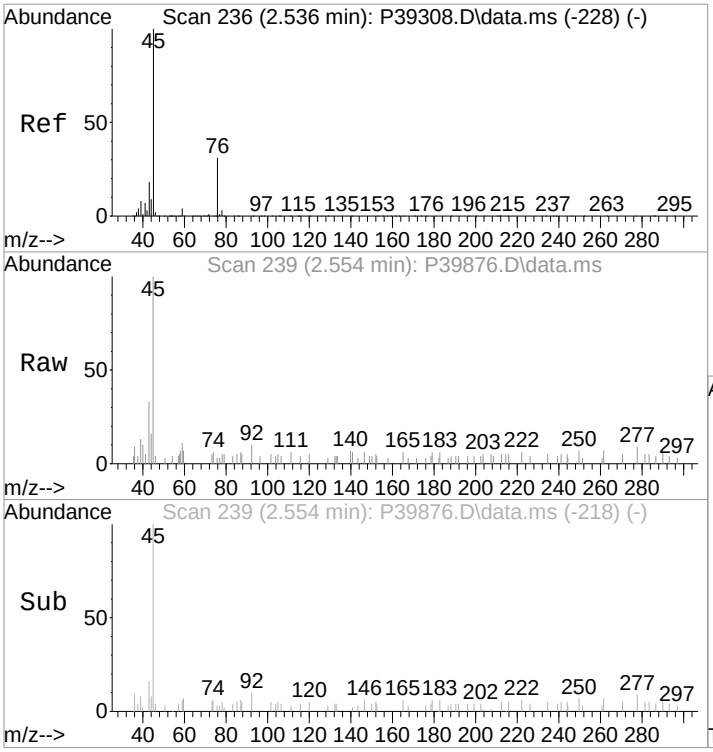


#15
Acetone
Concen: 1.72 ppb
RT: 2.414 min Scan# 216
Delta R.T. 0.018 min
Lab File: P39876.D
Acq: 21 Sep 2020 5:53 pm

Tgt Ion: 43 Resp: 2491

Ion	Ratio	Lower	Upper
43	100		
58	16.4	14.8	54.8
42	12.8	0.0	31.4

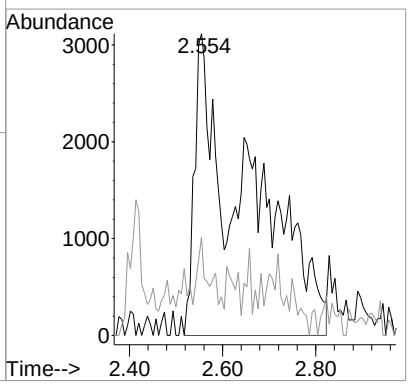




#16
2-Propanol
Concen: 67.61 ppb m
RT: 2.554 min Scan# 239
Delta R.T. 0.018 min
Lab File: P39876.D
Acq: 21 Sep 2020 5:53 pm

Tgt Ion: 45 Resp: 24287

Ion	Ratio	Lower	Upper
45	100		
43	32.6	3.1	43.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39877.D
Acq On : 21 Sep 2020 6:15 pm
Operator : K.Ruest
Sample : R2008512-011|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 23 17:45:42 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

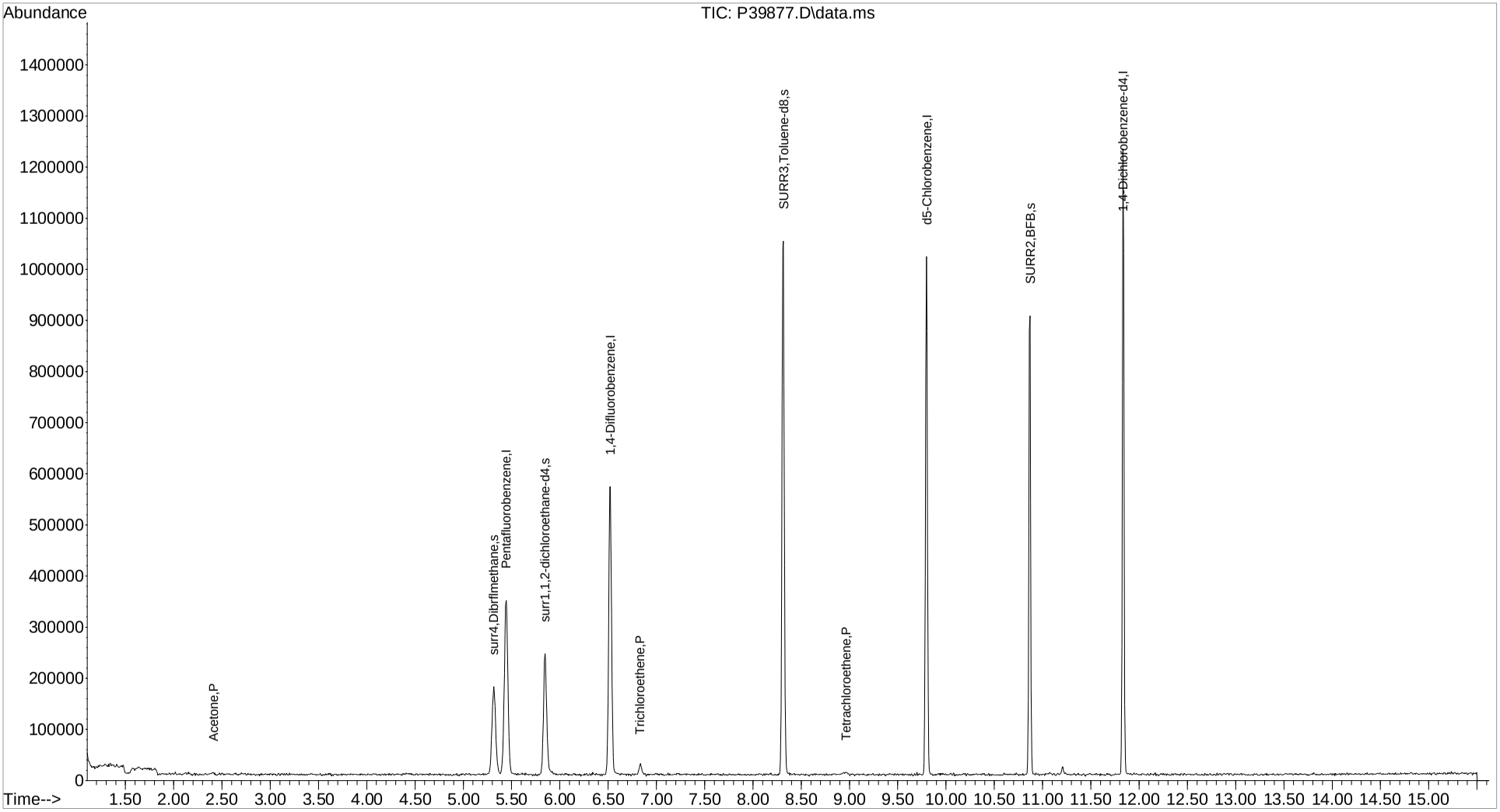
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	302359	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	508554	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	461942	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	228475	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	141471	47.39	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 94.78%				
48) surr1,1,2-dichloroetha...	5.846	65	196775	49.38	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.76%				
65) SURR3,Toluene-d8	8.315	98	675539	49.79	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.58%				
70) SURR2,BFB	10.870	95	247523	47.04	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.08%				
Target Compounds							Qvalue
15) Acetone	2.408	43	1963	1.35	ppb		85
54) Trichloroethene	6.828	130	7478	1.97	ppb	#	90
72) Tetrachloroethene	8.962	164	1234	0.44	ppb	#	57

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

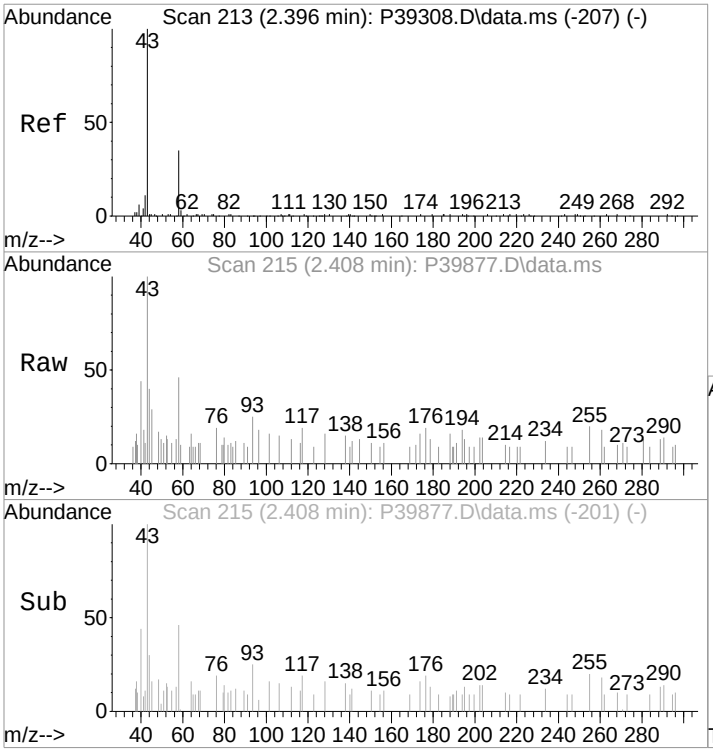
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39877.D
Acq On : 21 Sep 2020 6:15 pm
Operator : K.Ruest
Sample : R2008512-011|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 23 17:45:42 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



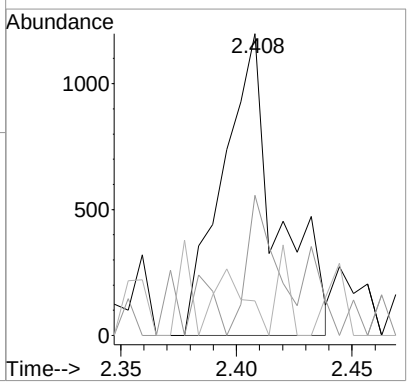
1st 09/23/20
2nd 09/24/20

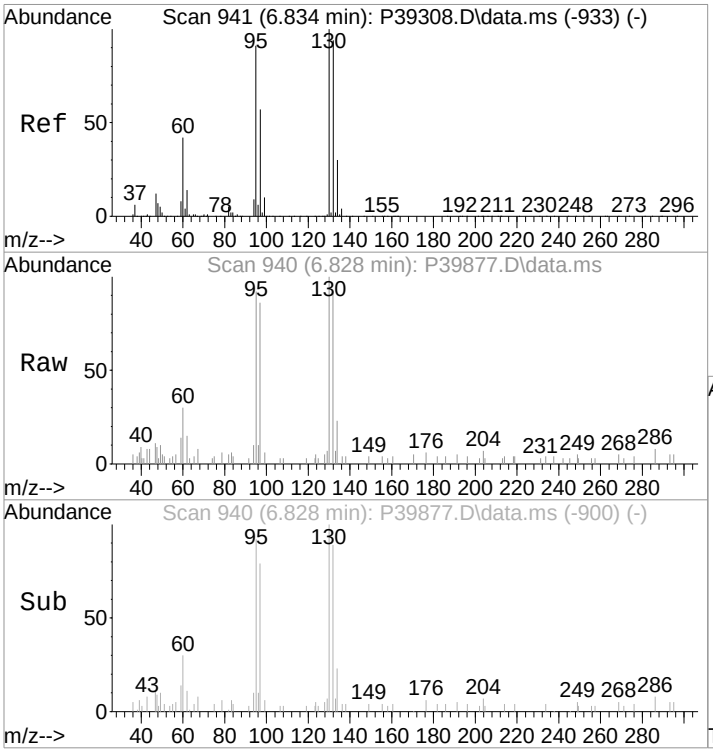


#15
Acetone
Concen: 1.35 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.012 min
Lab File: P39877.D
Acq: 21 Sep 2020 6:15 pm

Tgt Ion: 43 Resp: 1963

Ion	Ratio	Lower	Upper
43	100		
58	46.5	14.8	54.8
42	11.4	0.0	31.4

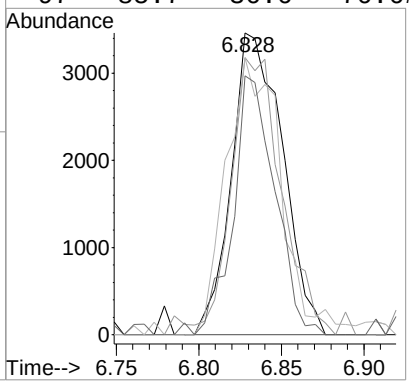


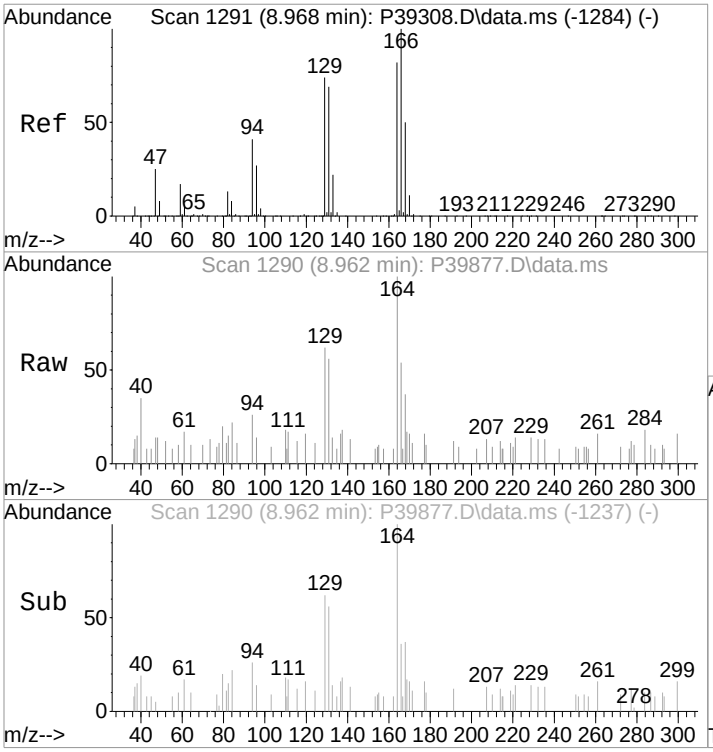


#54
Trichloroethene
Concen: 1.97 ppb
RT: 6.828 min Scan# 940
Delta R.T. -0.006 min
Lab File: P39877.D
Acq: 21 Sep 2020 6:15 pm

Tgt Ion:130 Resp: 7478

Ion	Ratio	Lower	Upper
130	100		
132	91.8	73.9	113.9
95	91.7	71.2	111.2
97	85.7	36.6	76.6#

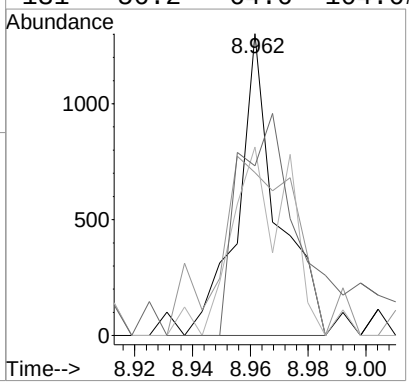




#72
Tetrachloroethene
Concen: 0.44 ppb
RT: 8.962 min Scan# 1290
Delta R.T. -0.006 min
Lab File: P39877.D
Acq: 21 Sep 2020 6:15 pm

Tgt Ion:164 Resp: 1234

Ion	Ratio	Lower	Upper
164	100		
166	54.0	102.0	142.0#
129	62.5	70.7	110.7#
131	56.2	64.6	104.6#

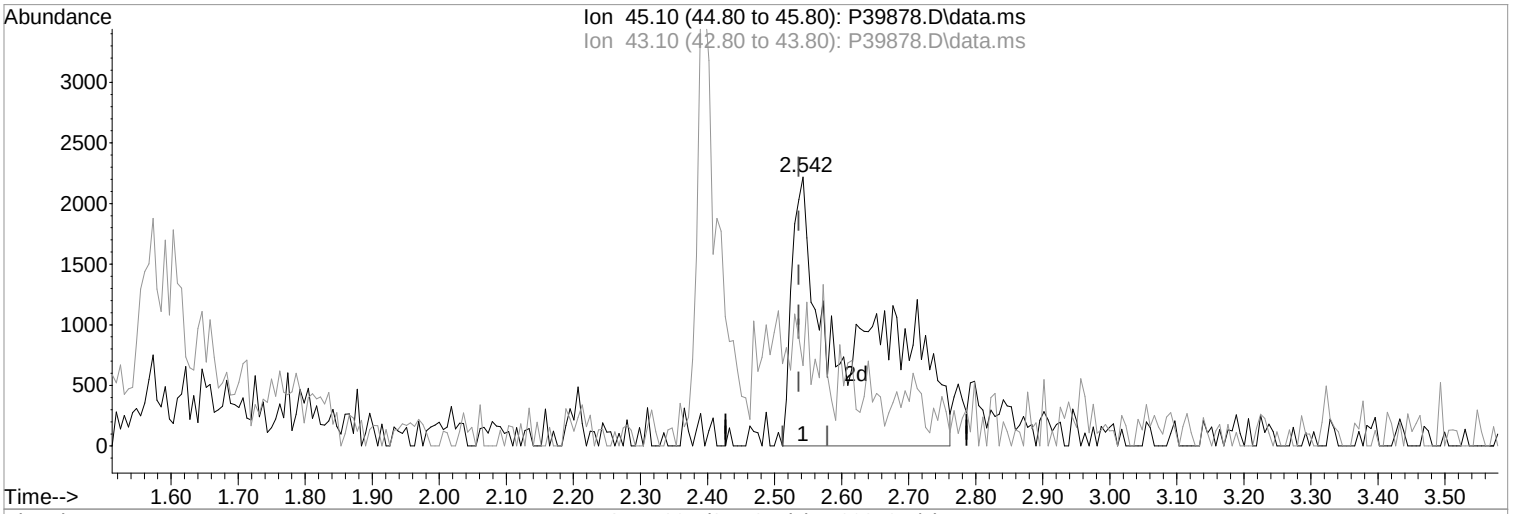


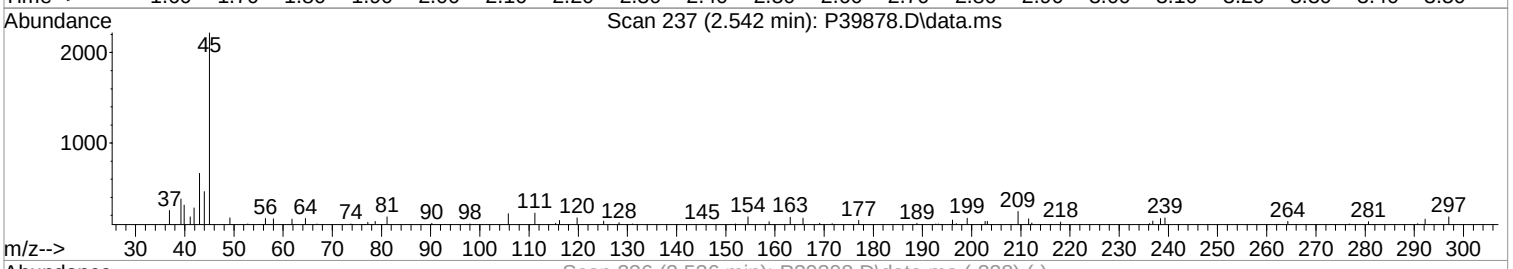
1st 09/23/20
2nd 09/24/20

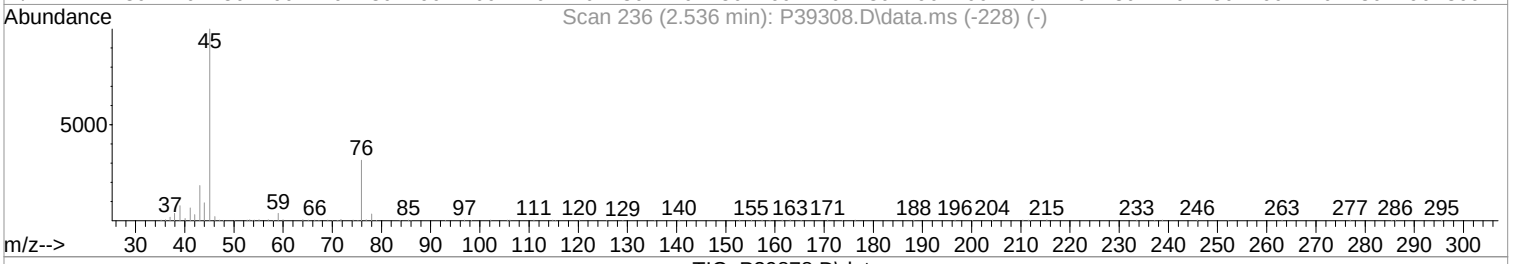
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39878.D
Acq On : 21 Sep 2020 6:37 pm
Operator : K.Ruest
Sample : R2008512-012|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 22 09:25:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39878.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 38.91 ppb m

response 14175

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	29.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

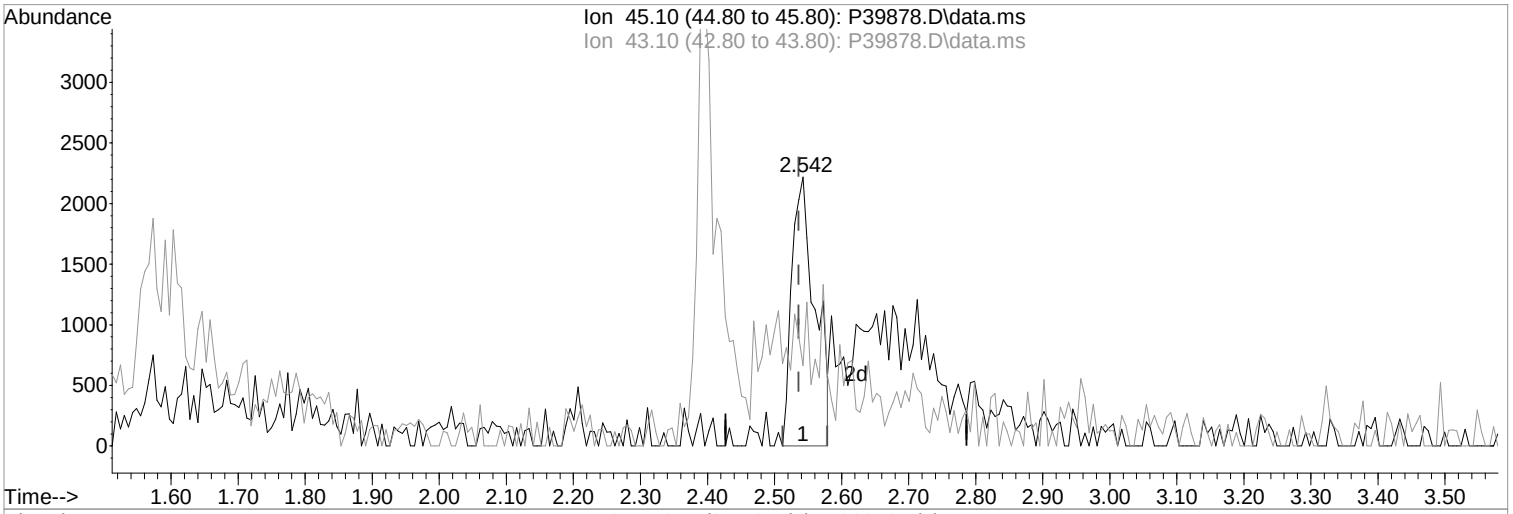
09/23/20

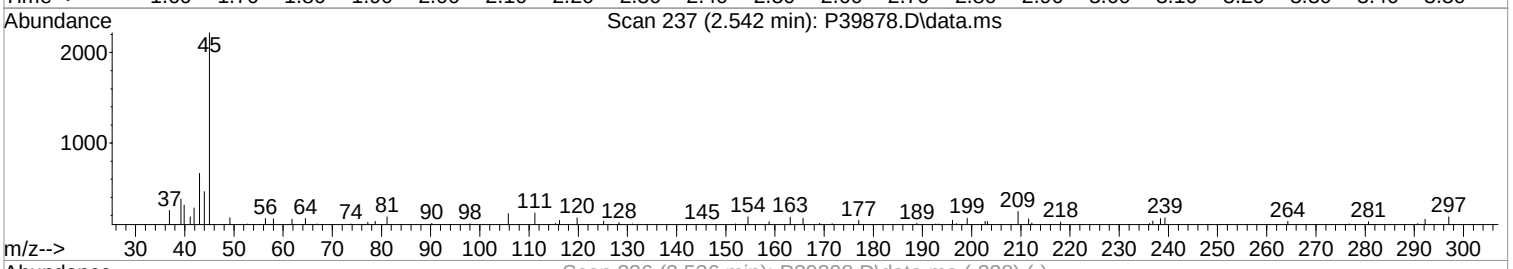
1st 09/23/20
2nd 09/24/20

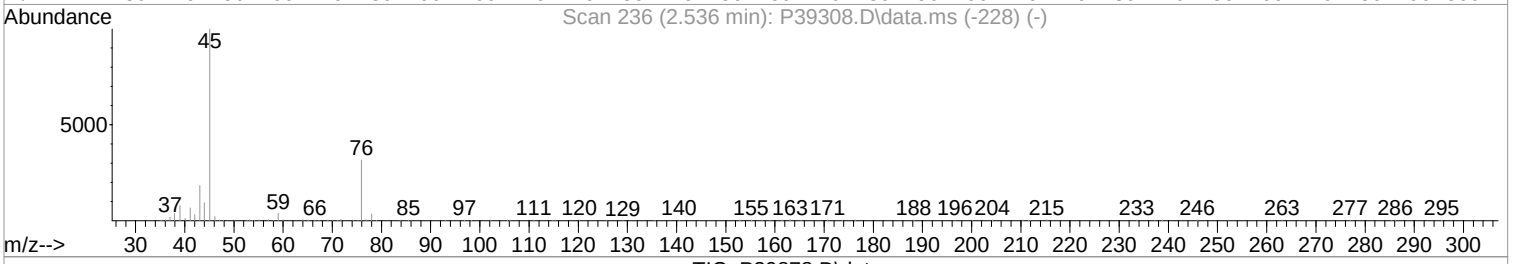
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39878.D
Acq On : 21 Sep 2020 6:37 pm
Operator : K.Ruest
Sample : R2008512-012|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 22 09:25:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39878.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 14.56 ppb

response 5303

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	29.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39878.D
Acq On : 21 Sep 2020 6:37 pm
Operator : K.Ruest
Sample : R2008512-012|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 17:47:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

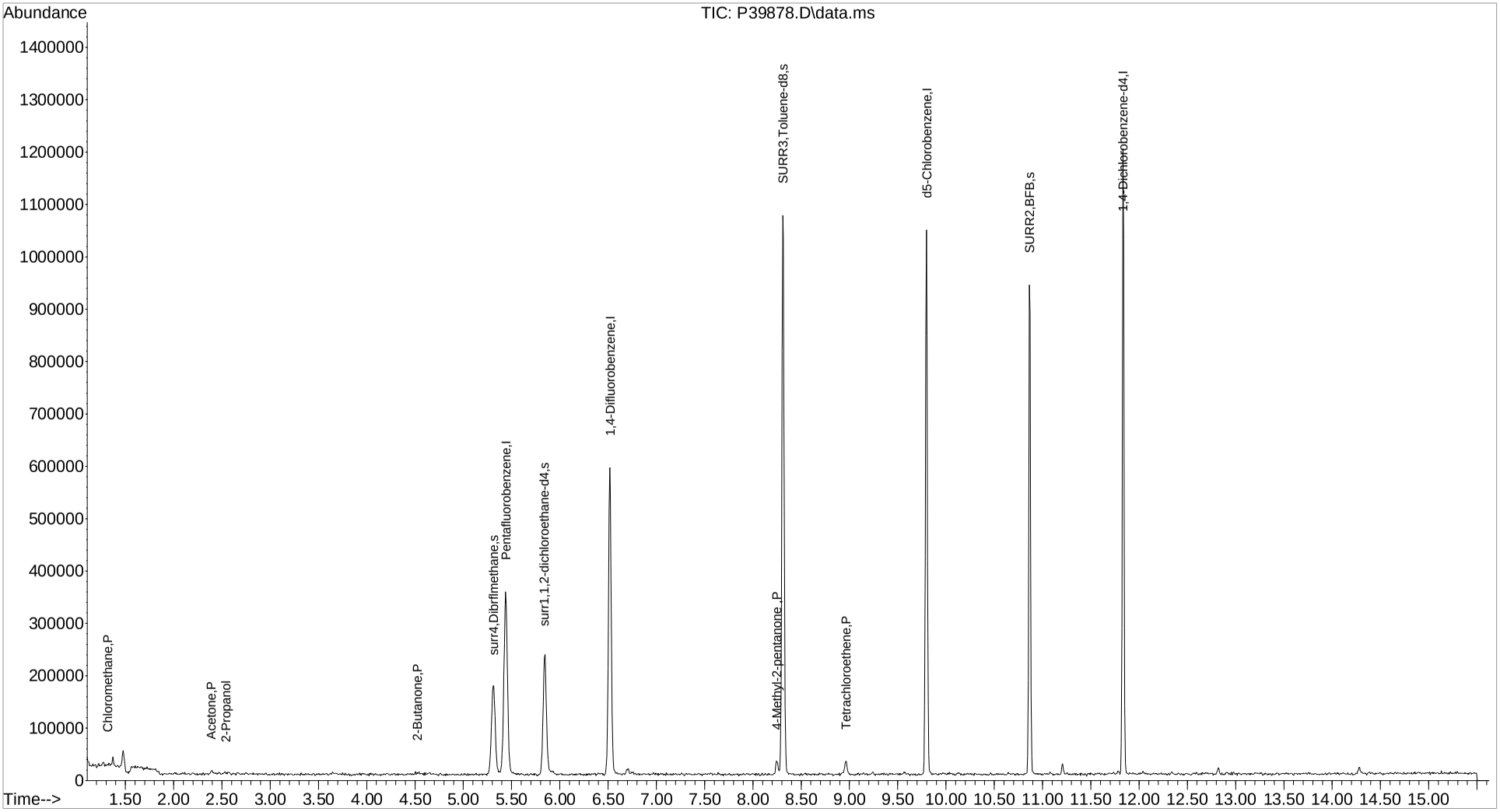
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.438	168	304368	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.517	114	505362	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	462395	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	230820	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	144850	48.83	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.66%			
48) surr1,1,2-dichloroetha...	5.840	65	203331	51.34	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.68%			
65) SURR3,Toluene-d8	8.309	98	684770	50.79	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.58%			
70) SURR2,BFB	10.864	95	250767	47.95	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.90%			
Target Compounds						Qvalue
3) Chloromethane	1.317	50	888	0.21	ppb	85
5) Bromomethane	1.628	94	1013	Below Cal		83
15) Acetone	2.390	43	7400	5.05	ppb	86
16) 2-Propanol	2.542	45	14175m	38.91	ppb	
35) 2-Butanone	4.524	43	7383	3.73	ppb	91
64) 4-Methyl-2-pentanone	8.248	43	18836	4.18	ppb	99
72) Tetrachloroethene	8.962	164	5304	1.87	ppb #	73

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

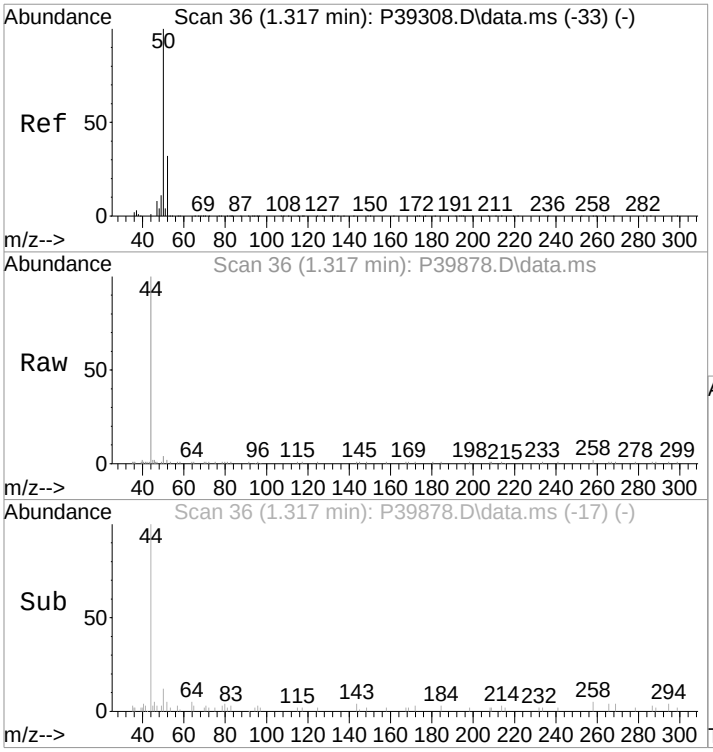
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39878.D
Acq On : 21 Sep 2020 6:37 pm
Operator : K.Ruest
Sample : R2008512-012|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 17:47:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



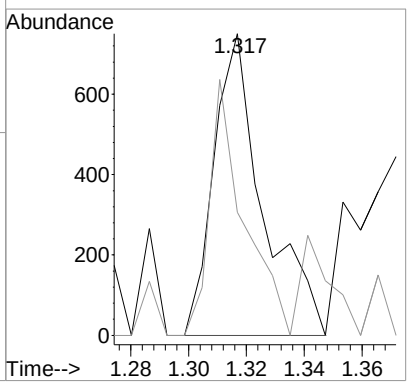
1st 09/23/20
2nd 09/24/20

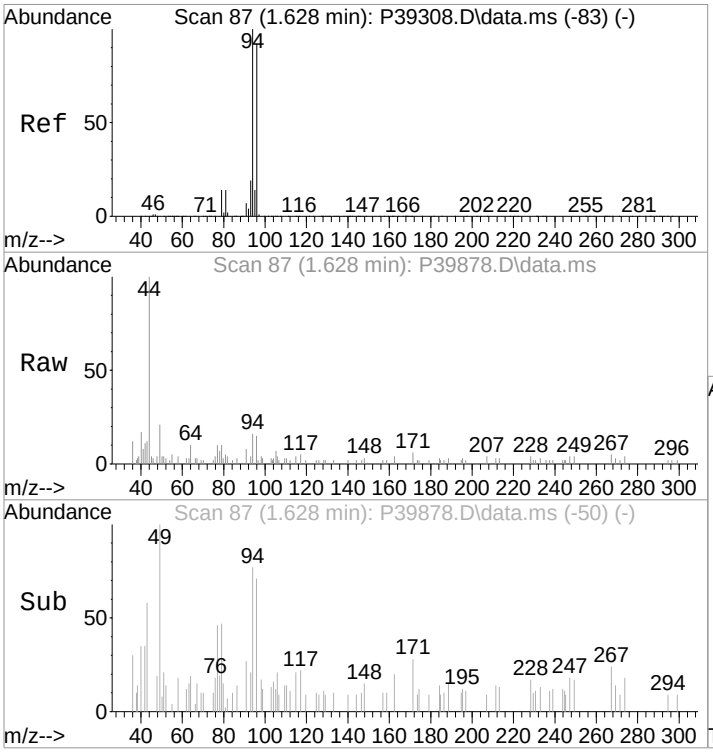


#3
Chloromethane
Concen: 0.21 ppb
RT: 1.317 min Scan# 36
Delta R.T. -0.000 min
Lab File: P39878.D
Acq: 21 Sep 2020 6:37 pm

Tgt Ion: 50 Resp: 888

Ion	Ratio	Lower	Upper
50	100		
52	40.7	12.1	52.1

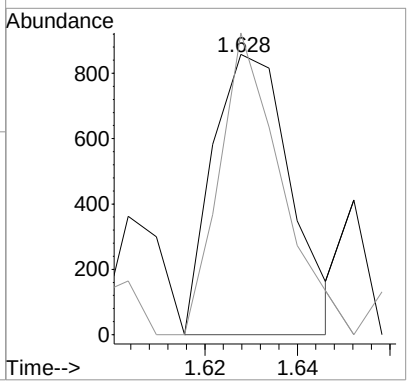


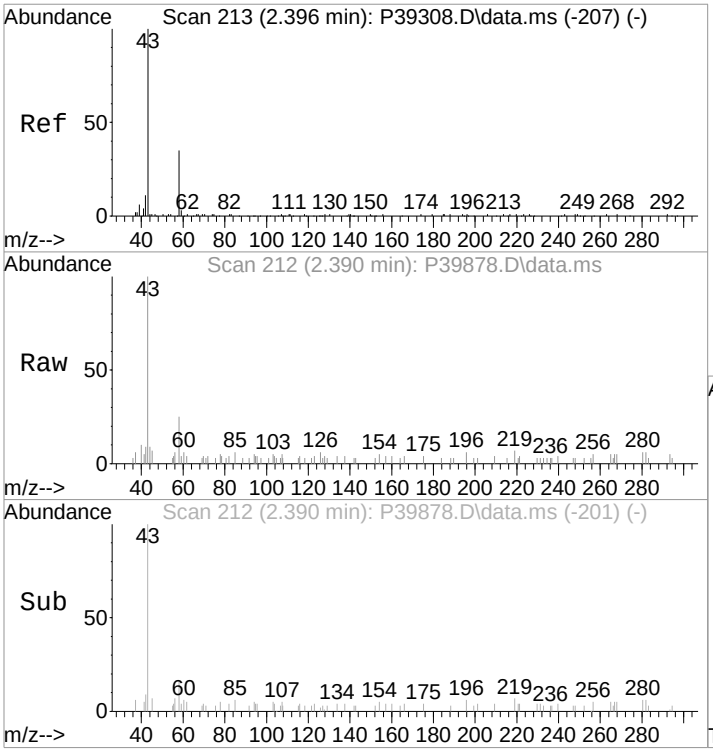


#5
Bromomethane
Concen: Below Cal
RT: 1.628 min Scan# 87
Delta R.T. 0.001 min
Lab File: P39878.D
Acq: 21 Sep 2020 6:37 pm

Tgt Ion: 94 Resp: 1013

Ion	Ratio	Lower	Upper
94	100		
96	107.7	71.6	111.6

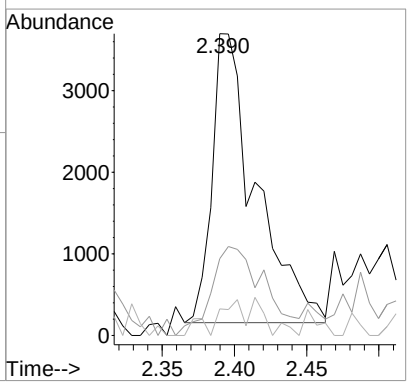


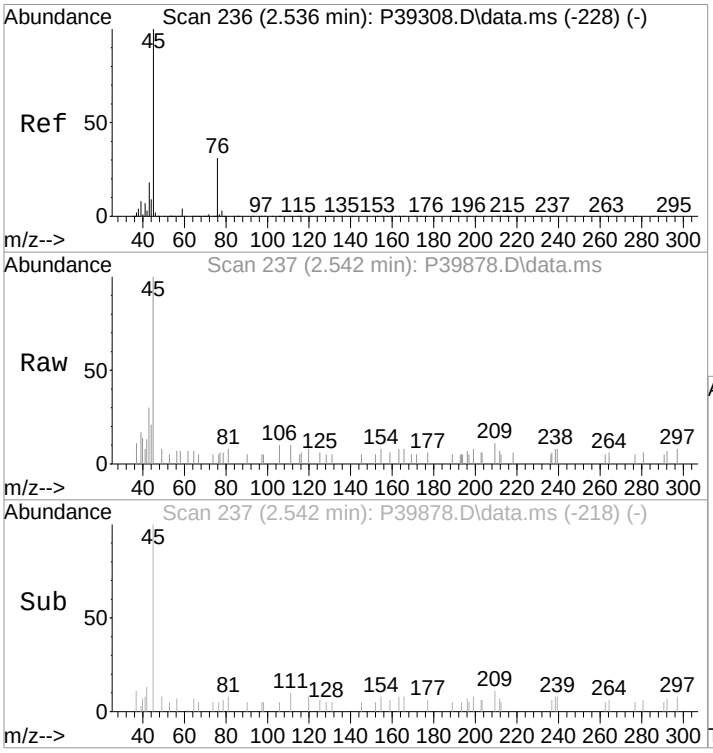


#15
Acetone
Concen: 5.05 ppb
RT: 2.390 min Scan# 212
Delta R.T. -0.006 min
Lab File: P39878.D
Acq: 21 Sep 2020 6:37 pm

Tgt Ion: 43 Resp: 7400

Ion	Ratio	Lower	Upper
43	100		
58	25.5	14.8	54.8
42	8.9	0.0	31.4

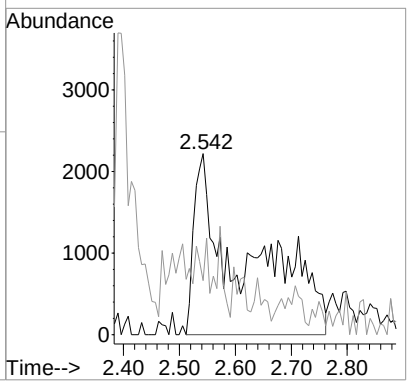


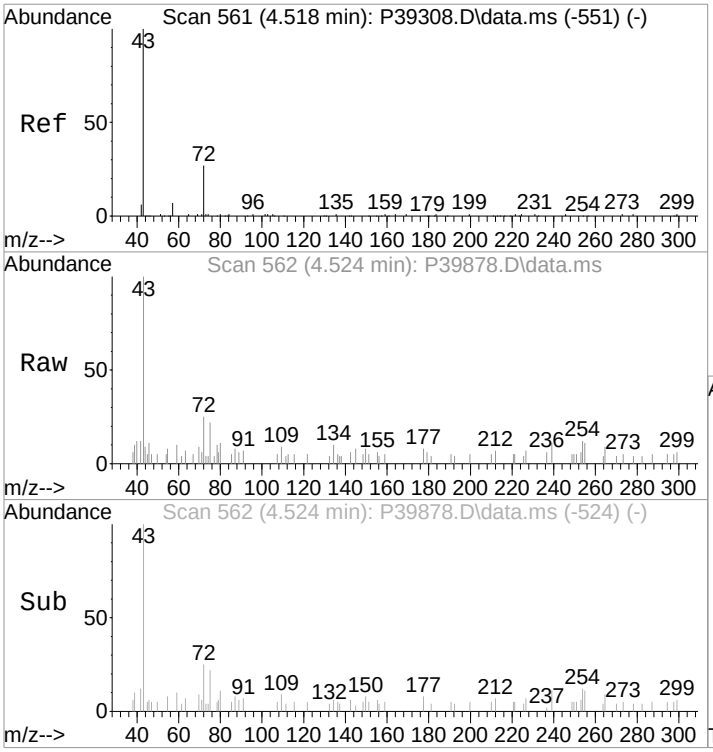


#16
2-Propanol
Concen: 38.91 ppb m
RT: 2.542 min Scan# 237
Delta R.T. 0.006 min
Lab File: P39878.D
Acq: 21 Sep 2020 6:37 pm

Tgt Ion: 45 Resp: 14175

Ion	Ratio	Lower	Upper
45	100		
43	29.9	3.1	43.1

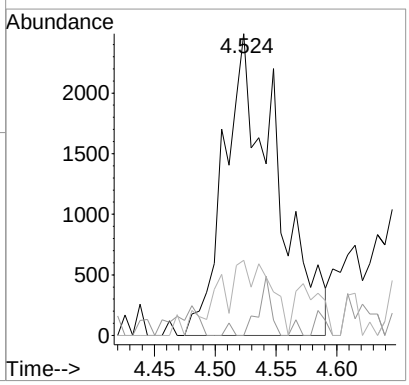


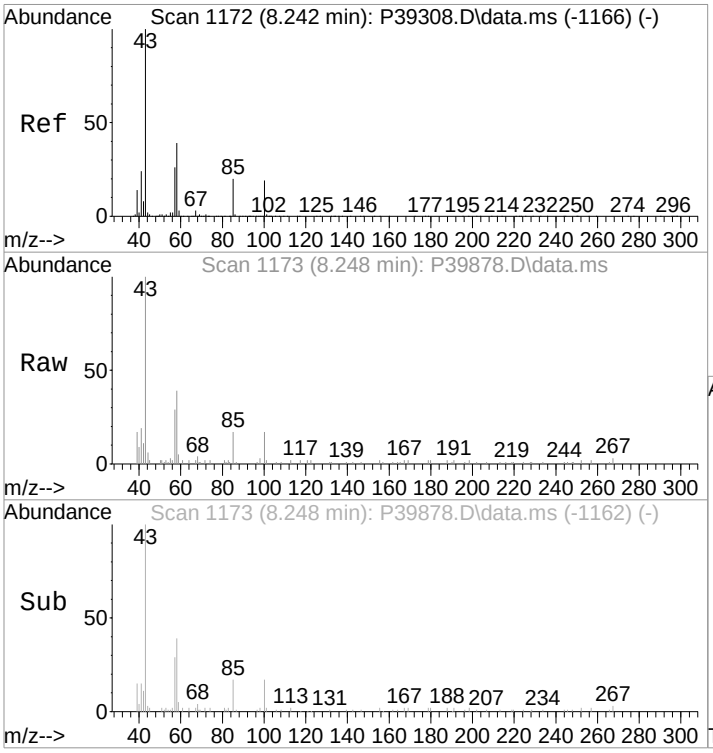


#35
2-Butanone
Concen: 3.73 ppb
RT: 4.524 min Scan# 562
Delta R.T. 0.006 min
Lab File: P39878.D
Acq: 21 Sep 2020 6:37 pm

Tgt Ion: 43 Resp: 7383

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	26.9
72	24.9	8.4	48.4

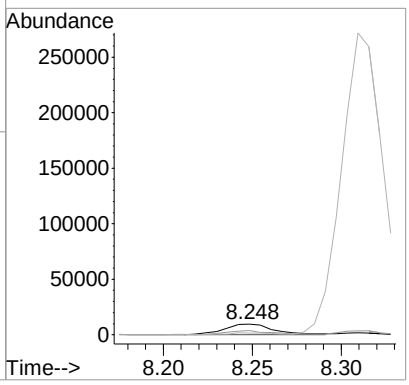


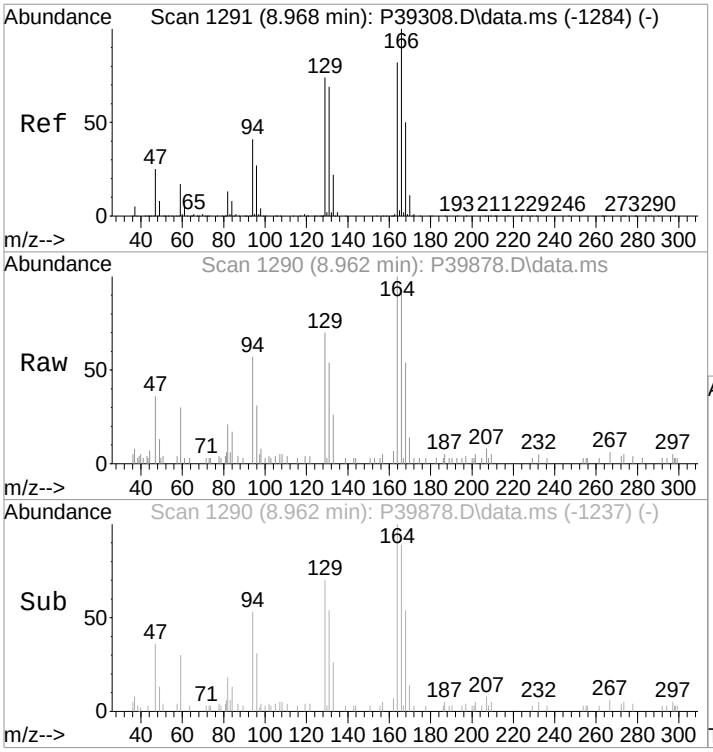


#64
4-Methyl-2-pentanone
Concen: 4.18 ppb
RT: 8.248 min Scan# 1173
Delta R.T. 0.006 min
Lab File: P39878.D
Acq: 21 Sep 2020 6:37 pm

Tgt Ion: 43 Resp: 18836

Ion	Ratio	Lower	Upper
43	100		
58	39.1	19.1	59.1
100	17.2	0.0	38.5

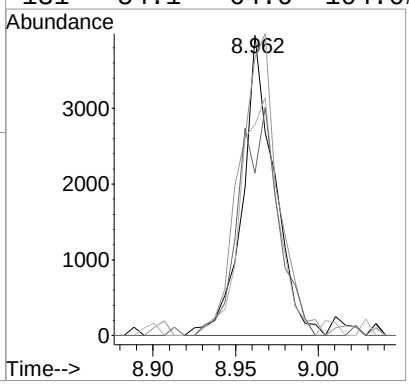




#72
Tetrachloroethene
Concen: 1.87 ppb
RT: 8.962 min Scan# 1290
Delta R.T. -0.006 min
Lab File: P39878.D
Acq: 21 Sep 2020 6:37 pm

Tgt Ion:164 Resp: 5304

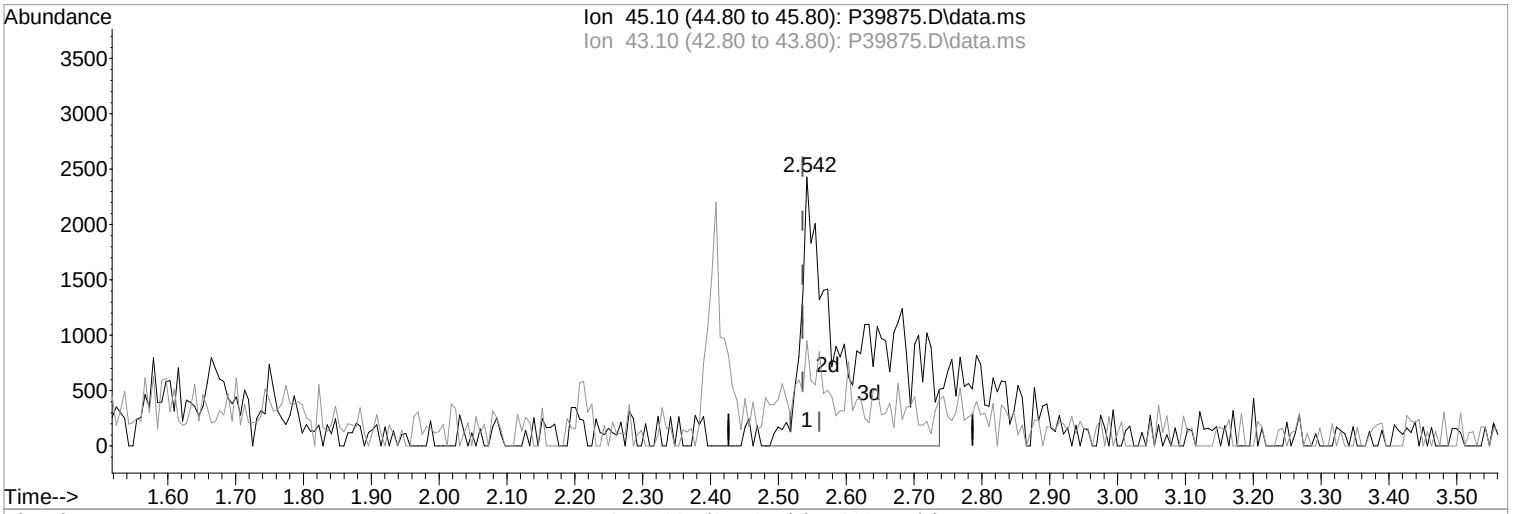
Ion	Ratio	Lower	Upper
164	100		
166	92.7	102.0	142.0#
129	70.3	70.7	110.7#
131	54.1	64.6	104.6#

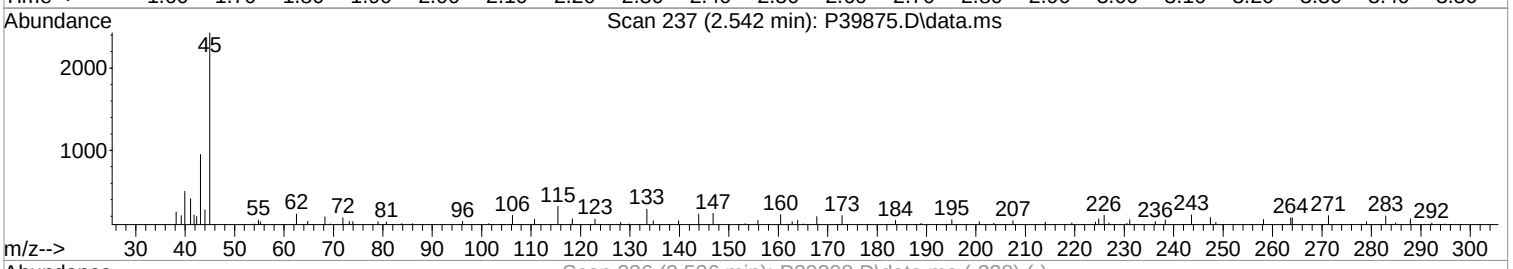


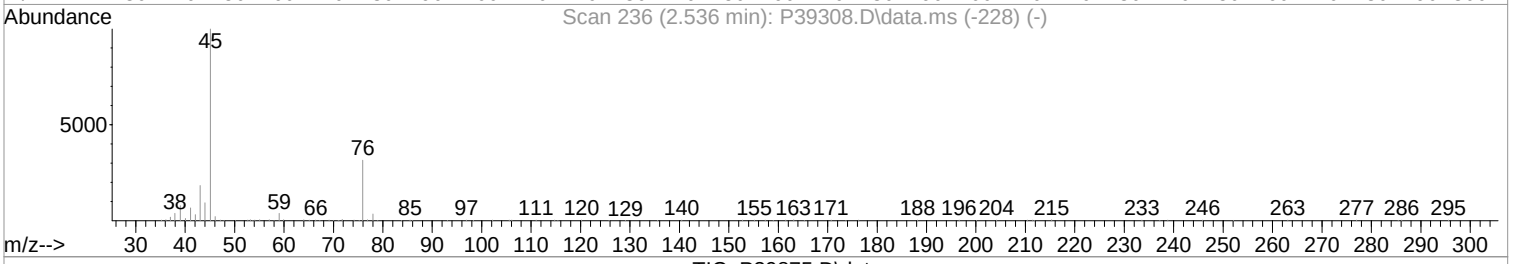
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39875.D
Acq On : 21 Sep 2020 5:31 pm
Operator : K.Ruest
Sample : R2008512-013|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 21 17:47:07 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39875.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 35.26 ppb m

response 13392

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	39.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

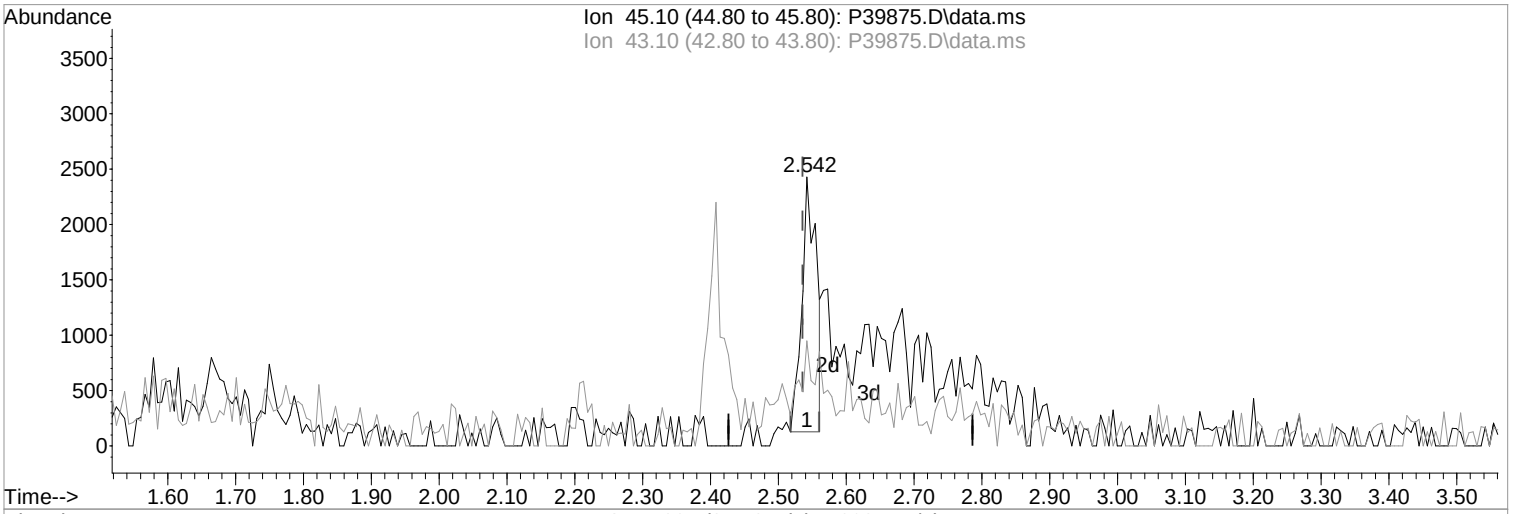
Poor integration.

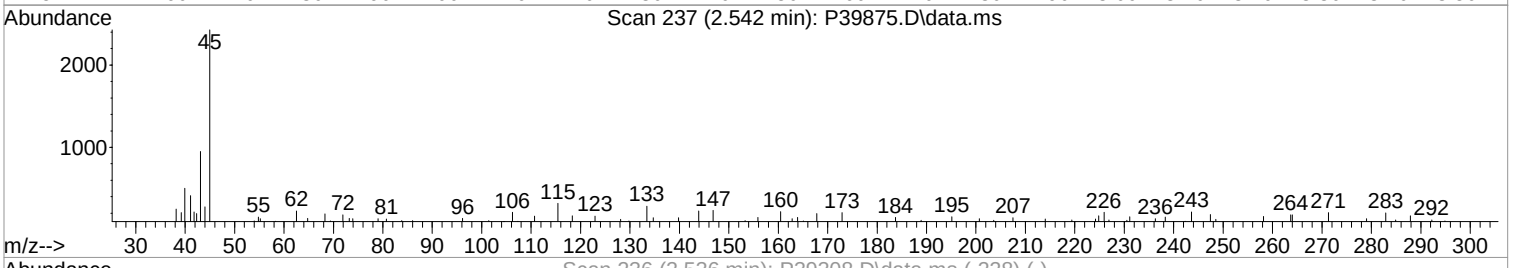
09/23/20

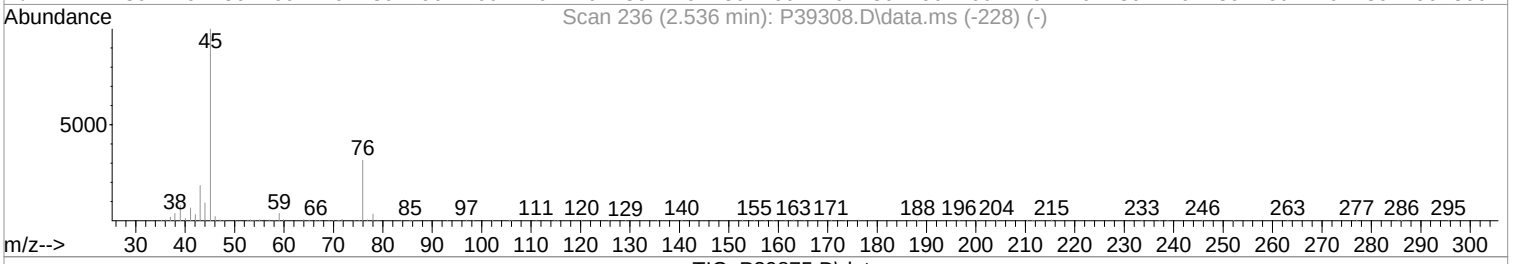
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39875.D
Acq On : 21 Sep 2020 5:31 pm
Operator : K.Ruest
Sample : R2008512-013|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 21 17:47:07 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39875.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 9.06 ppb

response 3442

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	39.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39875.D
Acq On : 21 Sep 2020 5:31 pm
Operator : K.Ruest
Sample : R2008512-013|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 17:42:36 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

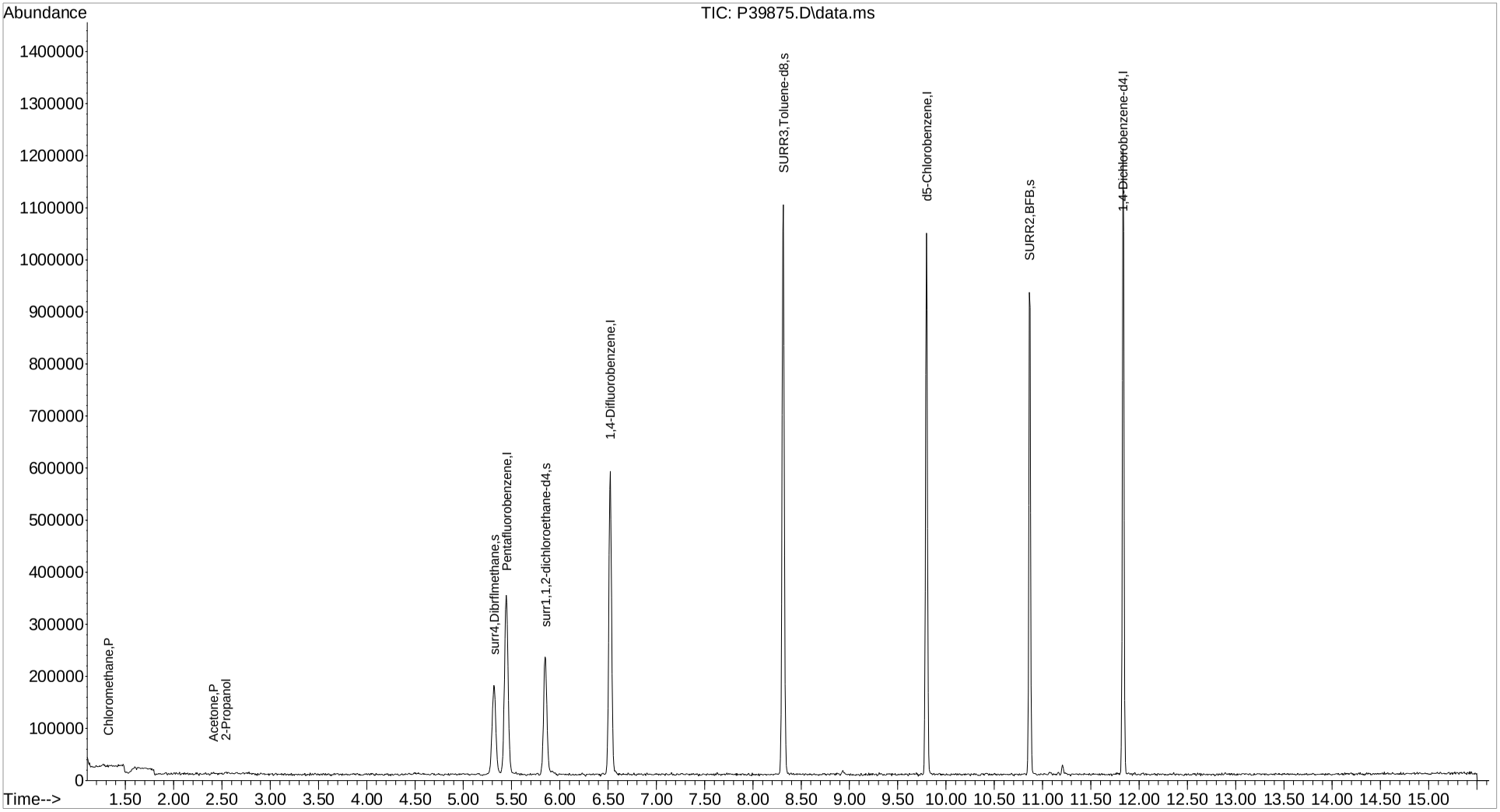
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	317339	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	512298	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	458035	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	226695	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.322	113	140148	46.60	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.20%			
48) surr1,1,2-dichloroetha...	5.853	65	203222	50.62	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.24%			
65) SURR3,Toluene-d8	8.316	98	683014	49.97	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.94%			
70) SURR2,BFB	10.864	95	248752	46.92	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.84%			
Target Compounds						Qvalue
3) Chloromethane	1.323	50	1468	0.34	ppb	91
15) Acetone	2.408	43	3935	2.58	ppb	88
16) 2-Propanol	2.542	45	13392m	35.26	ppb	

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

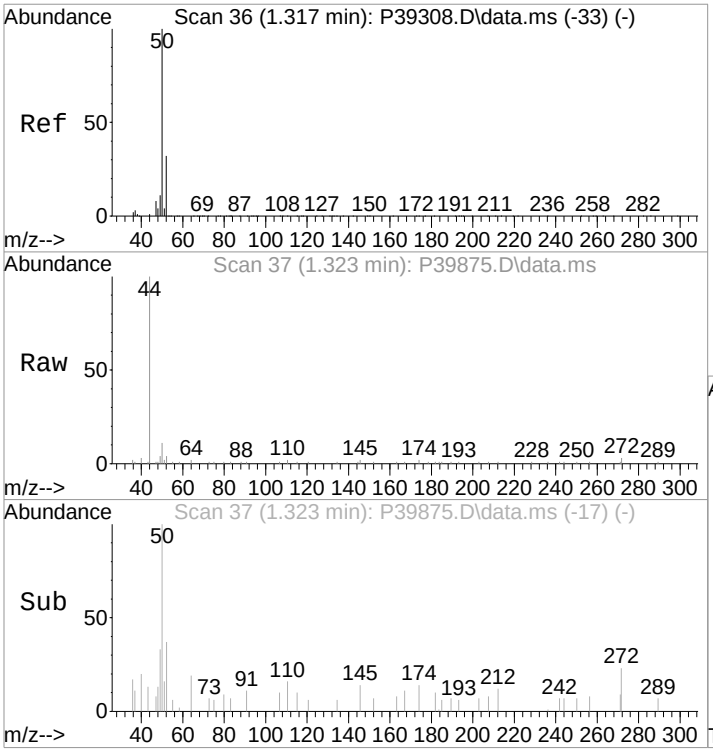
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39875.D
Acq On : 21 Sep 2020 5:31 pm
Operator : K.Ruest
Sample : R2008512-013|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 17:42:36 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



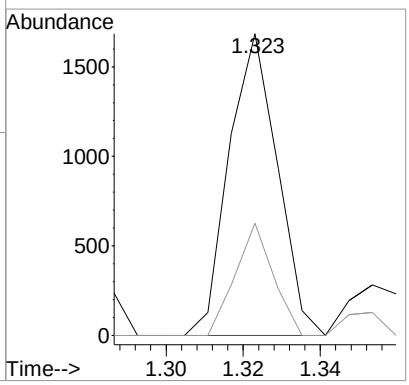
1st 09/23/20
2nd 09/24/20

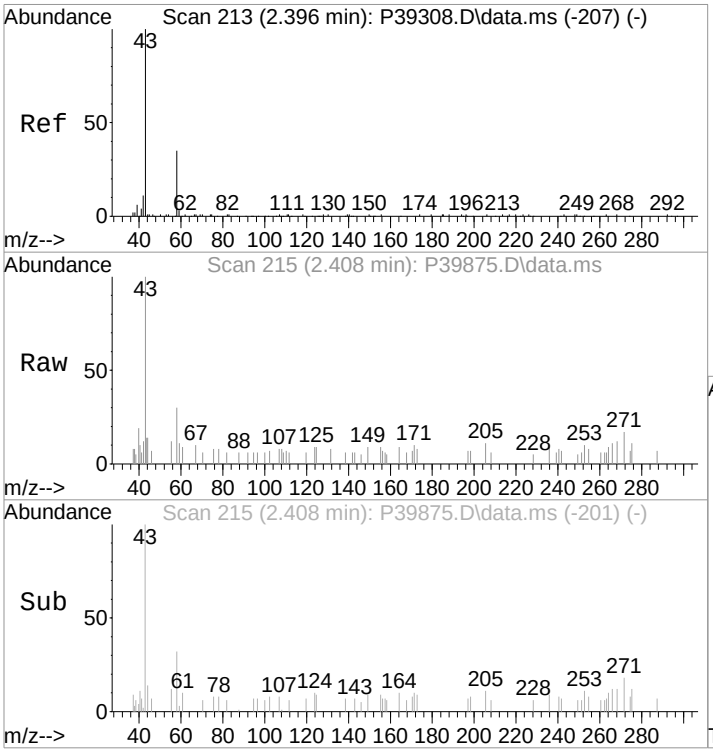


#3
Chloromethane
Concen: 0.34 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39875.D
Acq: 21 Sep 2020 5:31 pm

Tgt Ion: 50 Resp: 1468

Ion	Ratio	Lower	Upper
50	100		
52	37.2	12.1	52.1

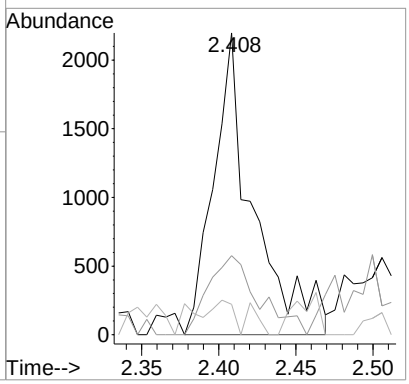


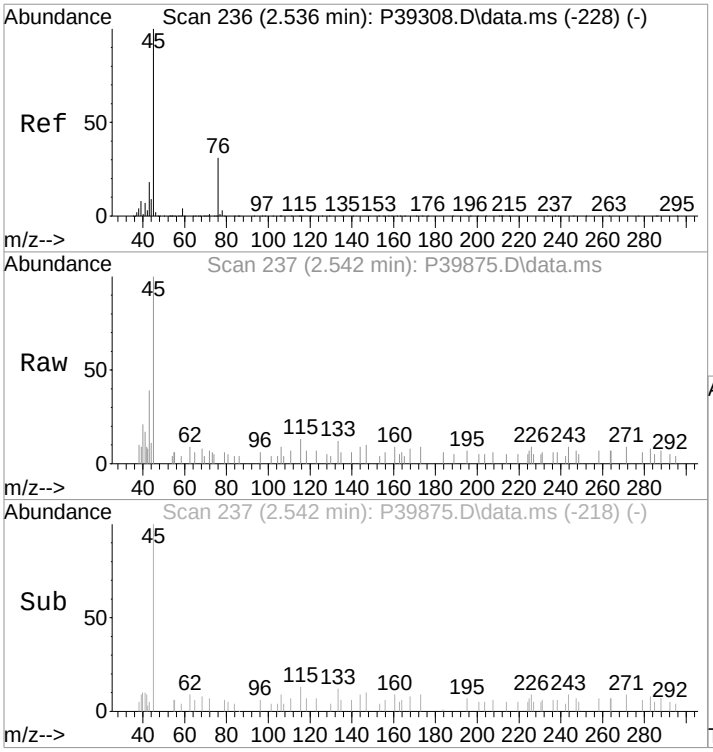


#15
Acetone
Concen: 2.58 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.012 min
Lab File: P39875.D
Acq: 21 Sep 2020 5:31 pm

Tgt Ion: 43 Resp: 3935

Ion	Ratio	Lower	Upper
43	100		
58	26.2	14.8	54.8
42	10.1	0.0	31.4

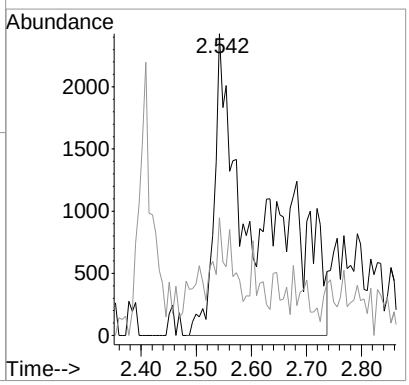




#16
2-Propanol
Concen: 35.26 ppb m
RT: 2.542 min Scan# 237
Delta R.T. 0.006 min
Lab File: P39875.D
Acq: 21 Sep 2020 5:31 pm

Tgt Ion: 45 Resp: 13392

Ion	Ratio	Lower	Upper
45	100		
43	39.0	3.1	43.1

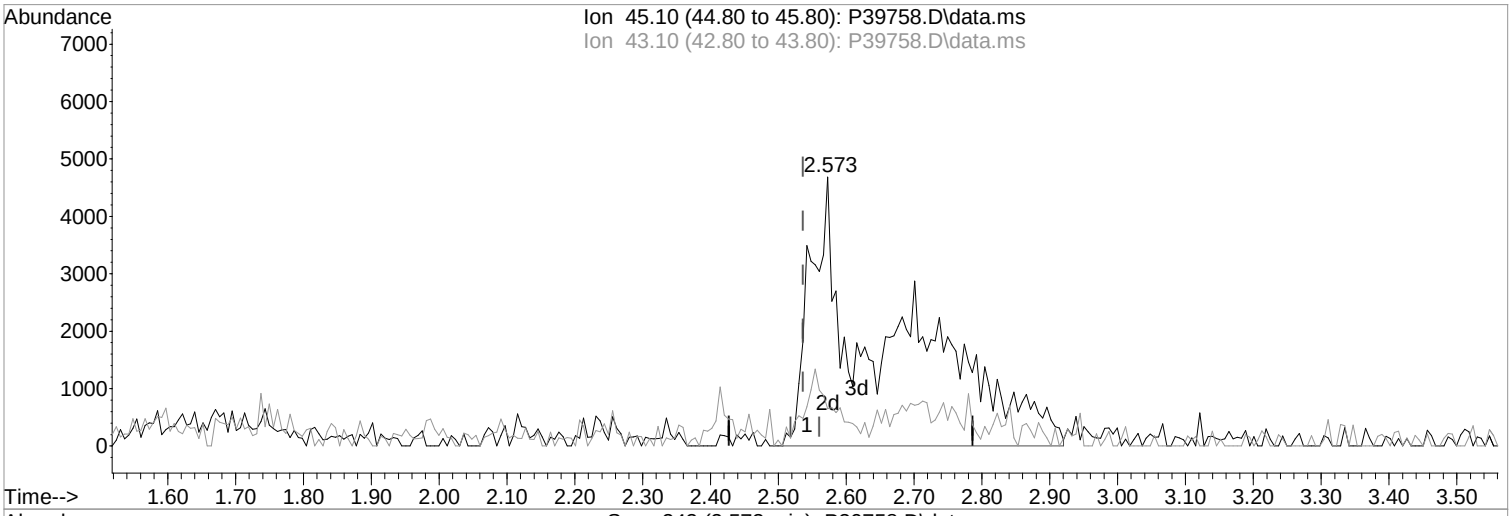


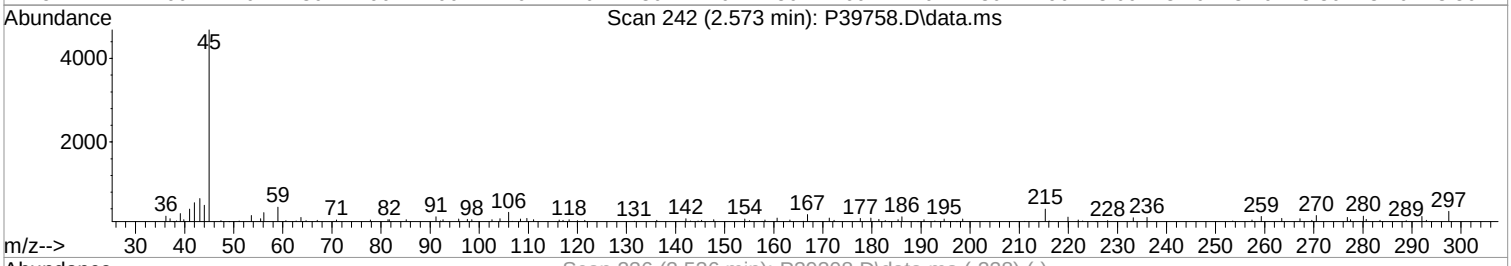
1st 09/18/20
2nd 09/22/20

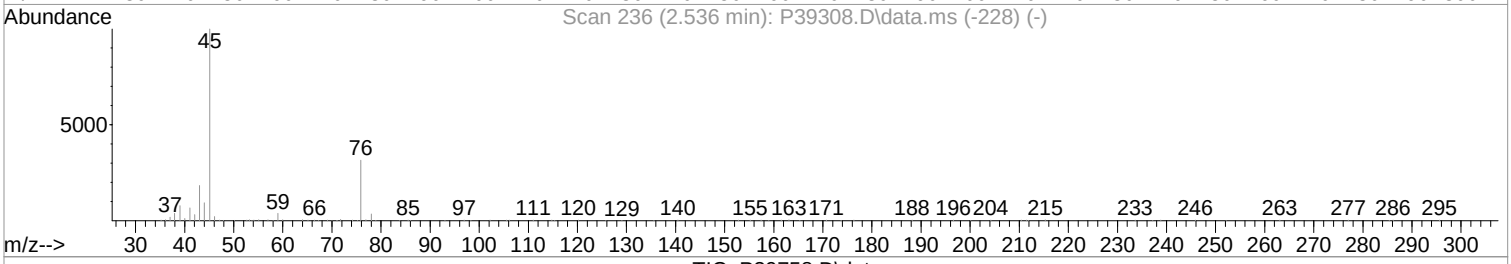
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39758.D
Acq On : 17 Sep 2020 10:47 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 10:16:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39758.D\data.ms

(16) 2-Propanol

2.573min (+0.037) 112.73 ppb m

response 37552

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	13.85
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

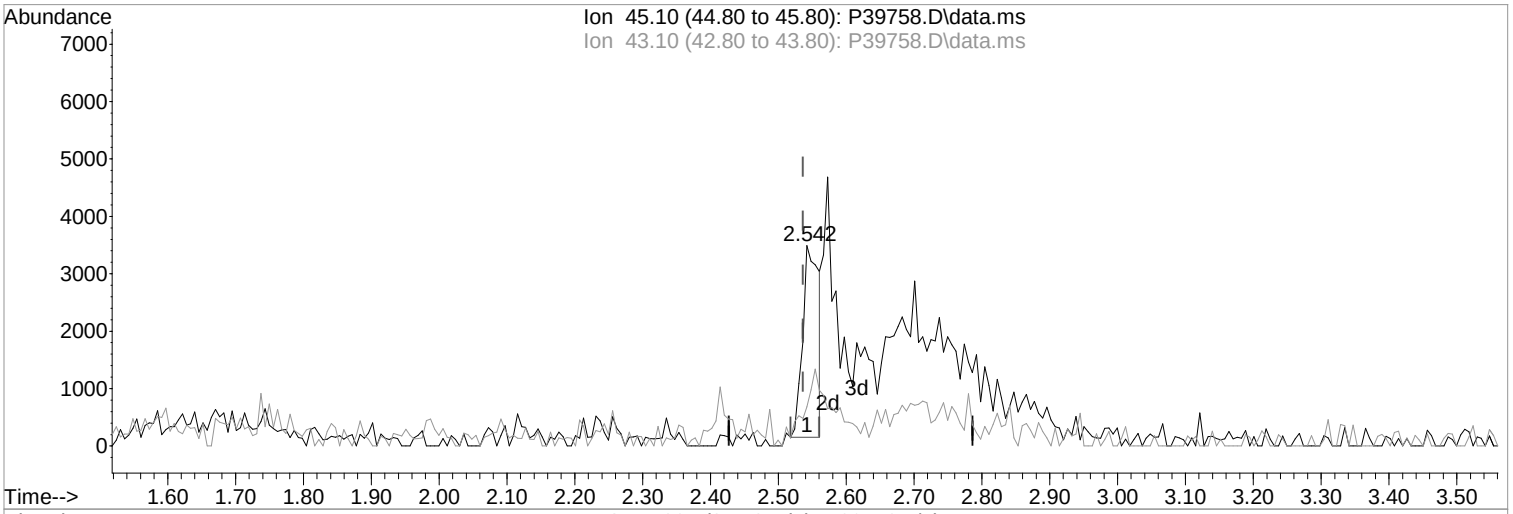
Poor integration.

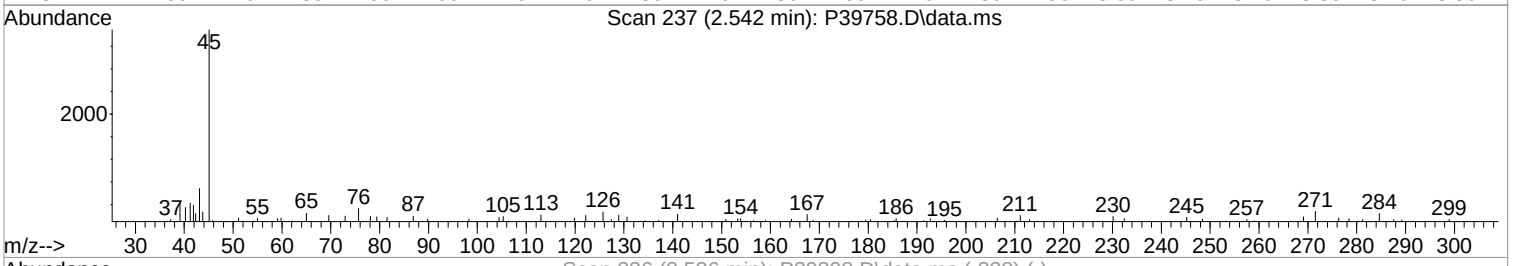
09/18/20

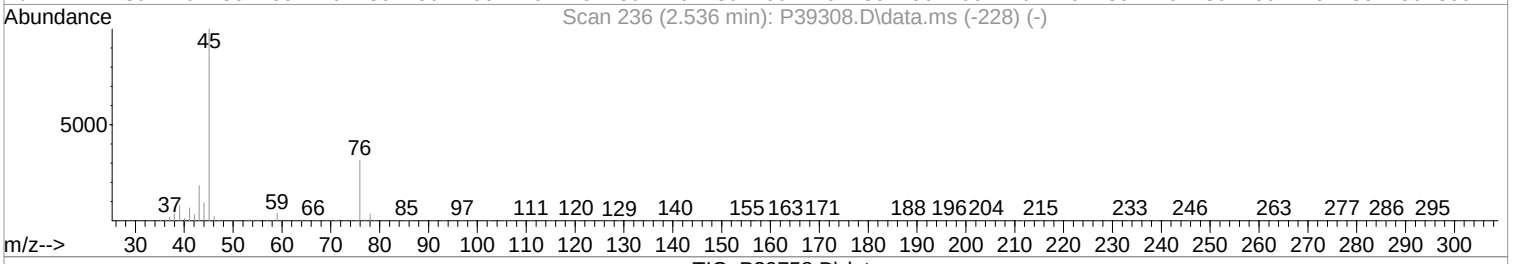
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39758.D
Acq On : 17 Sep 2020 10:47 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 10:16:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39758.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 16.54 ppb

response 5511

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	26.32
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39758.D
Acq On : 17 Sep 2020 10:47 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 10:17:12 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

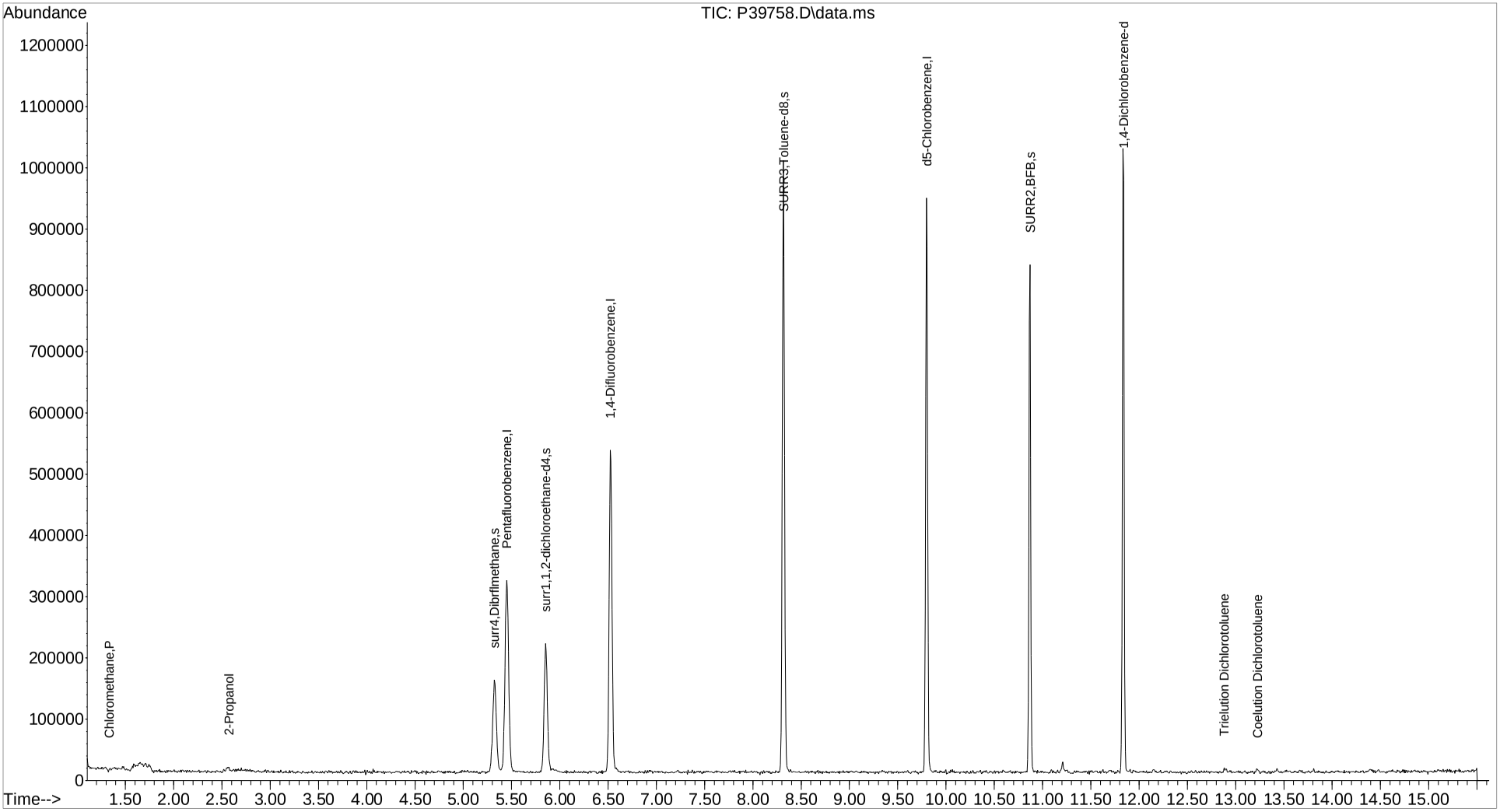
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	278325	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	461360	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	414608	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	195861	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	123188	45.49	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.98%				
48) surr1,1,2-dichloroetha...	5.853	65	183882	50.86	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.72%				
65) SURR3,Toluene-d8	8.316	98	606270	49.26	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.52%				
70) SURR2,BFB	10.870	95	220389	46.16	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.32%				
Target Compounds							Qvalue
3) Chloromethane	1.329	50	1228	0.32	ppb		70
16) 2-Propanol	2.573	45	37552m	112.73	ppb		
112) Trielution Dichlorotol...	12.882	125	2637	0.44	ppb	#	79
114) Coelution Dichlorotoluene	13.229	125	1642	0.25	ppb	#	84

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

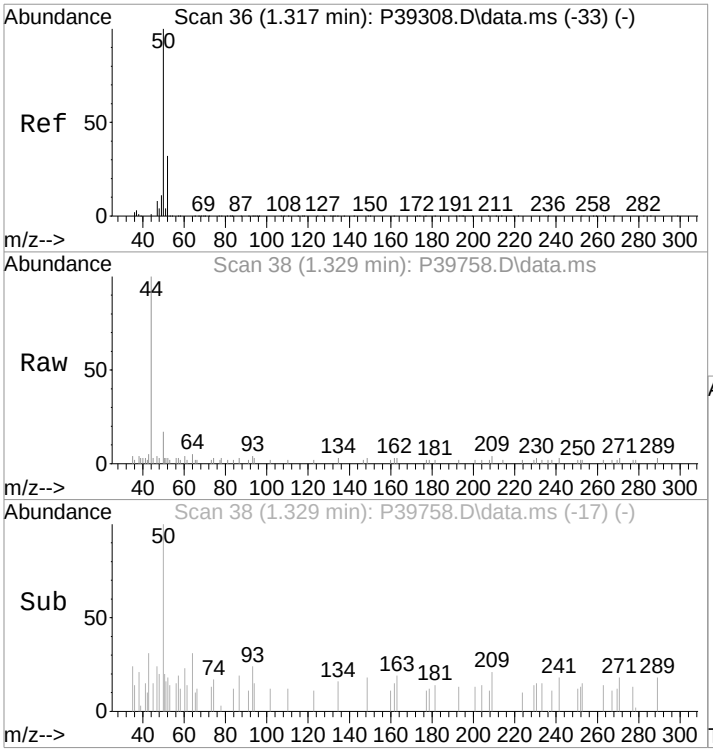
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39758.D
Acq On : 17 Sep 2020 10:47 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 10:17:12 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



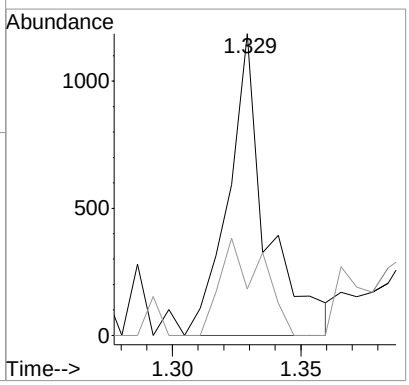
1st 09/18/20
2nd 09/22/20

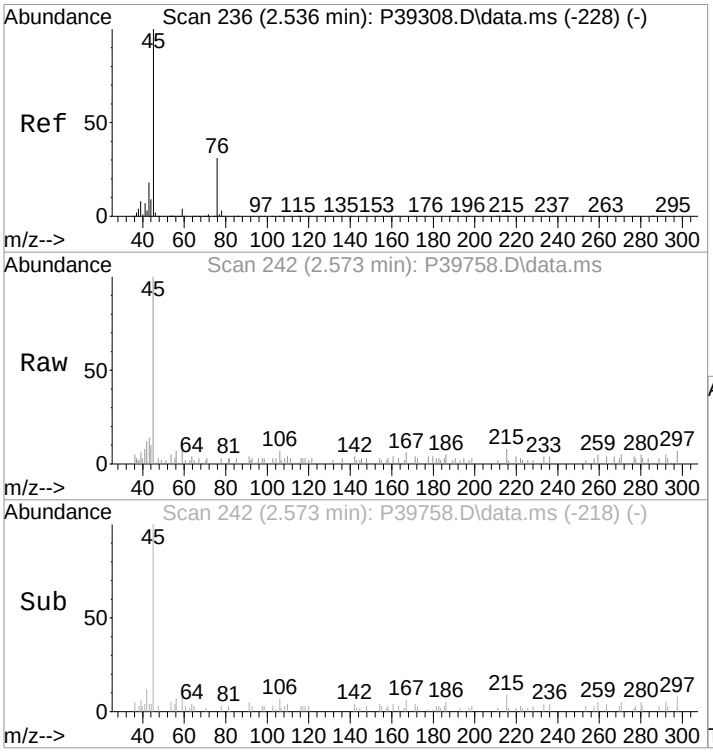


#3
Chloromethane
Concen: 0.32 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P39758.D
Acq: 17 Sep 2020 10:47 pm

Tgt Ion: 50 Resp: 1228

Ion	Ratio	Lower	Upper
50	100		
52	15.3	12.1	52.1

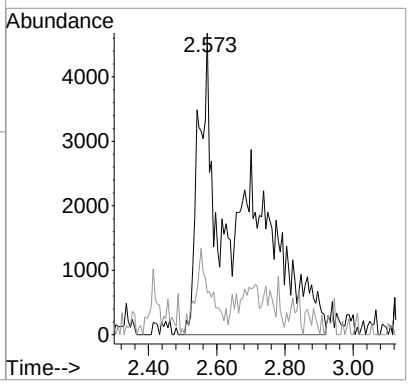


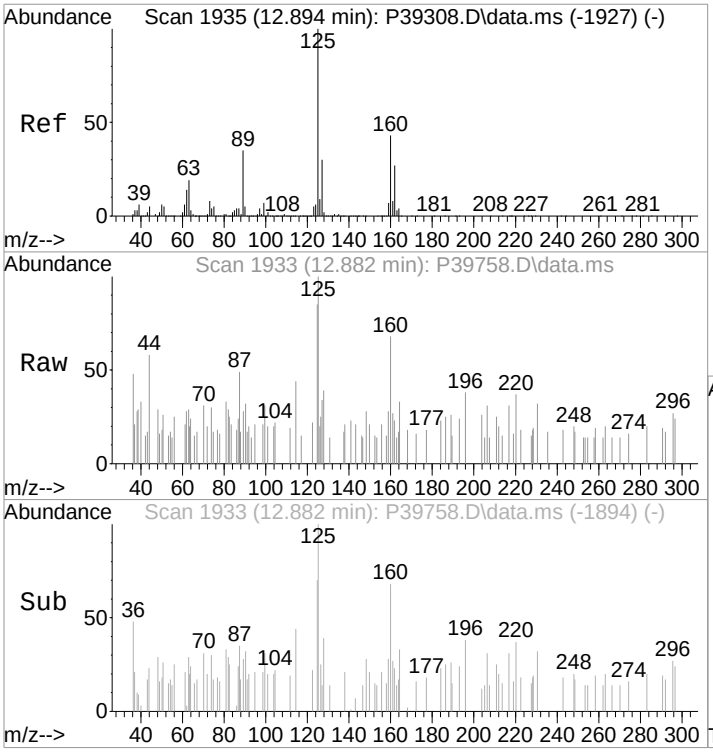


#16
2-Propanol
Concen: 112.73 ppb m
RT: 2.573 min Scan# 242
Delta R.T. 0.037 min
Lab File: P39758.D
Acq: 17 Sep 2020 10:47 pm

Tgt Ion: 45 Resp: 37552

Ion	Ratio	Lower	Upper
45	100		
43	13.9	3.1	43.1

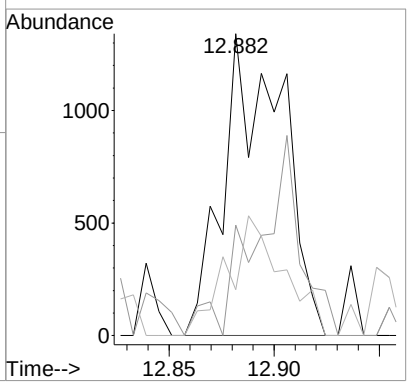


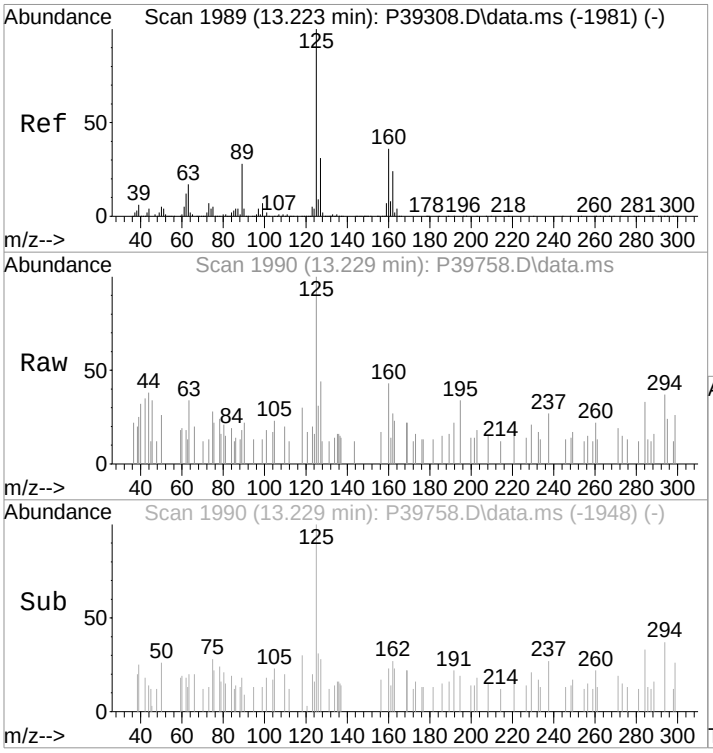


#112
Trielution Dichlorotoluene
Concen: 0.44 ppb
RT: 12.882 min Scan# 1933
Delta R.T. -0.012 min
Lab File: P39758.D
Acq: 17 Sep 2020 10:47 pm

Tgt Ion:125 Resp: 2637

Ion	Ratio	Lower	Upper
125	100		
160	36.6	34.2	51.2
89	15.2	28.1	42.1#

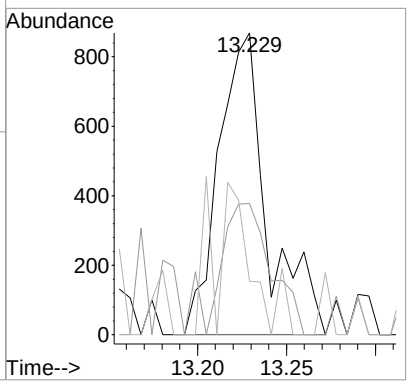




#114
Coelution Dichlorotoluene
Concen: 0.25 ppb
RT: 13.229 min Scan# 1990
Delta R.T. 0.006 min
Lab File: P39758.D
Acq: 17 Sep 2020 10:47 pm

Tgt Ion:125 Resp: 1642

Ion	Ratio	Lower	Upper
125	100		
160	43.5	29.1	43.7
89	17.7	22.6	34.0#

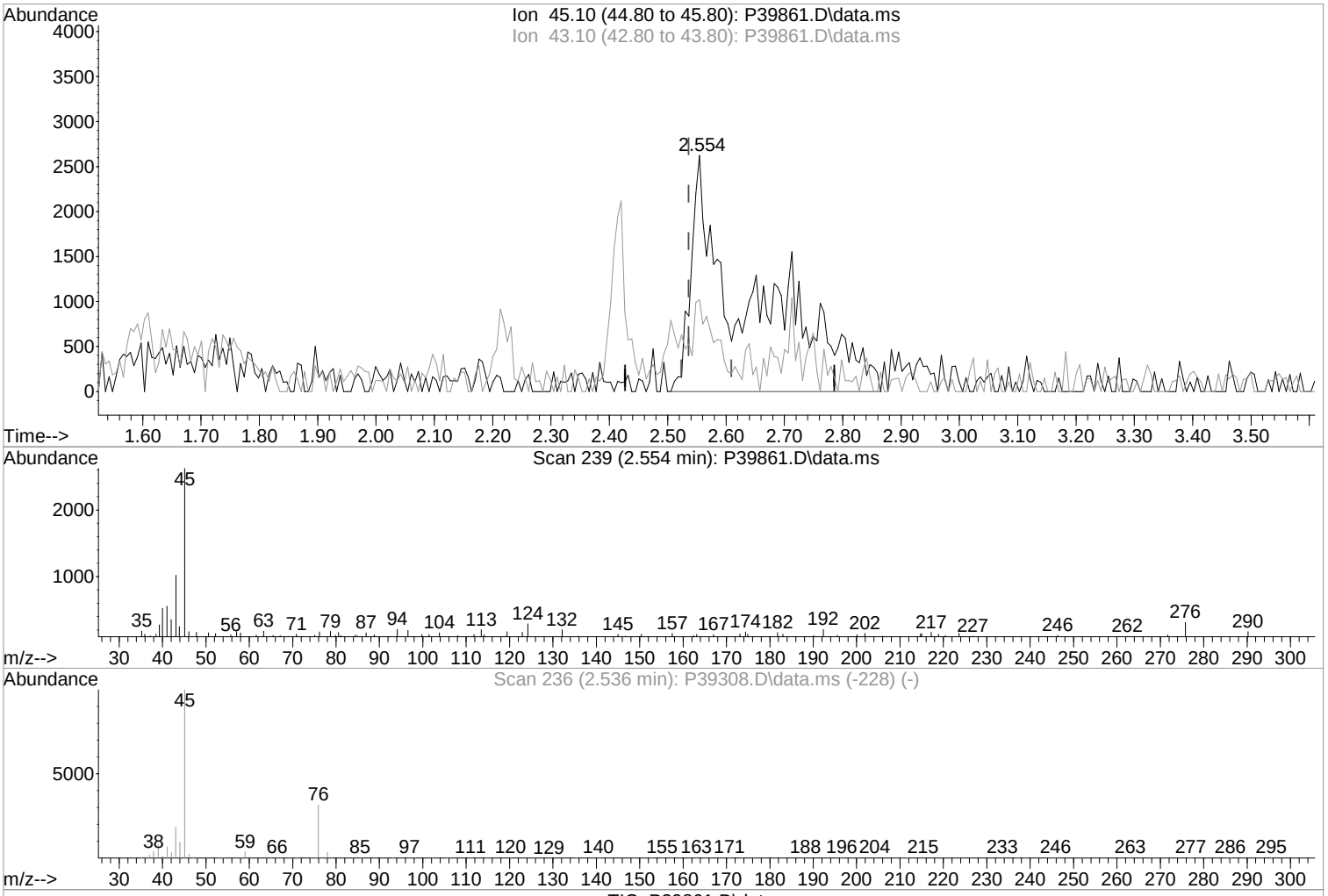


1st 09/21/20
2nd 09/24/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39861.D
Acq On : 21 Sep 2020 12:19 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 12:43:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39861.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 49.49 ppb m

response 18274

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	38.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

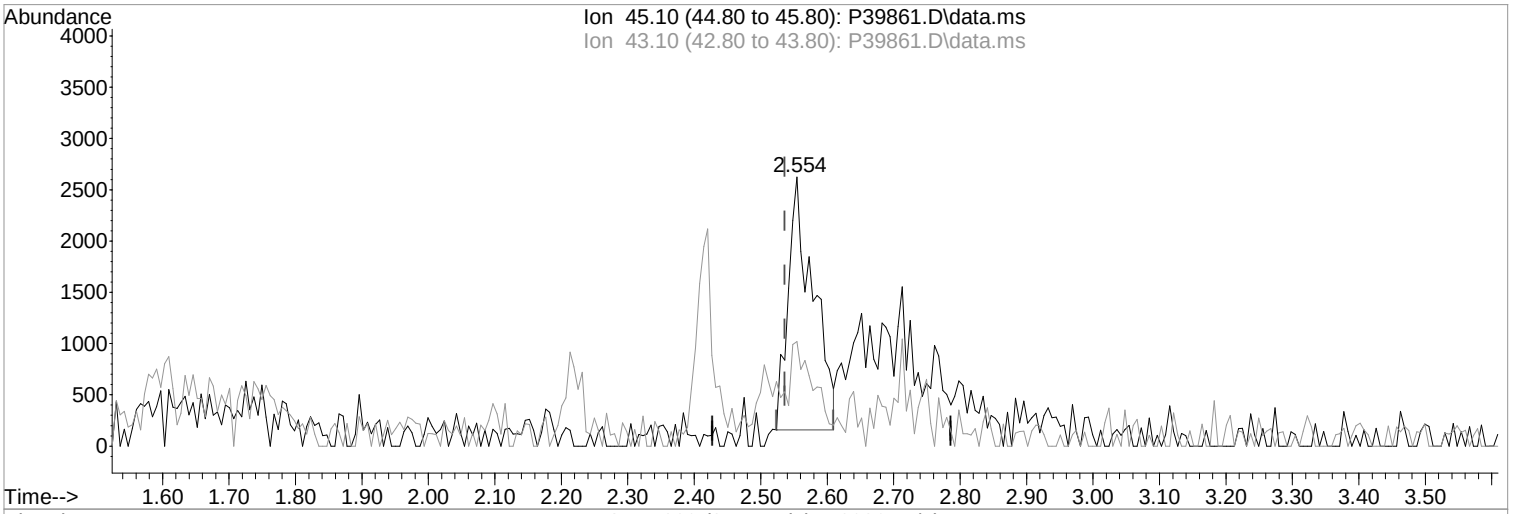
Poor integration.

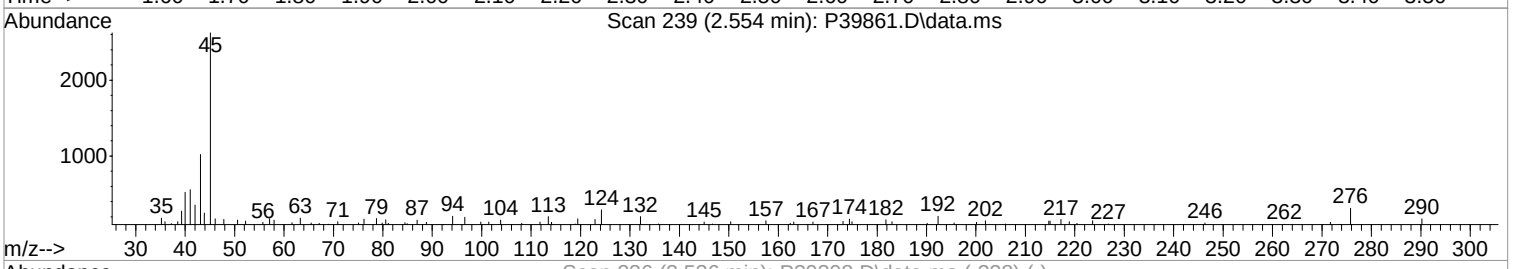
09/21/20

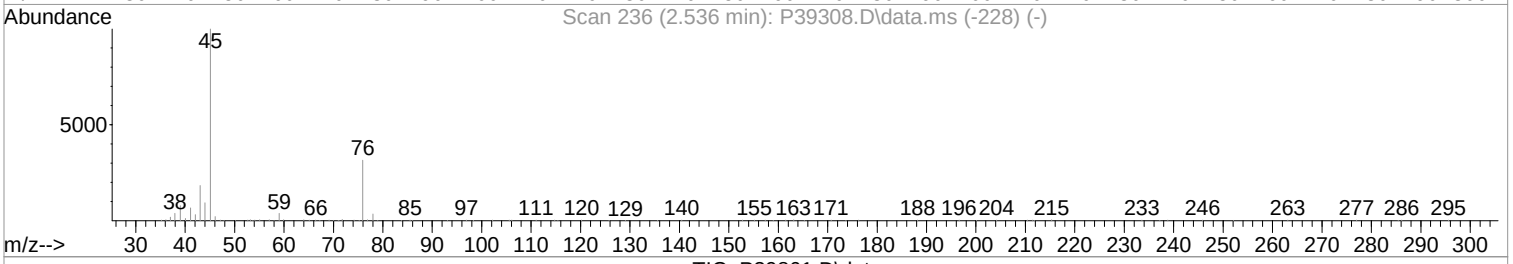
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39861.D
Acq On : 21 Sep 2020 12:19 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 12:43:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39861.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 17.41 ppb

response 6429

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	38.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/21/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39861.D
Acq On : 21 Sep 2020 12:19 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 12:44:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

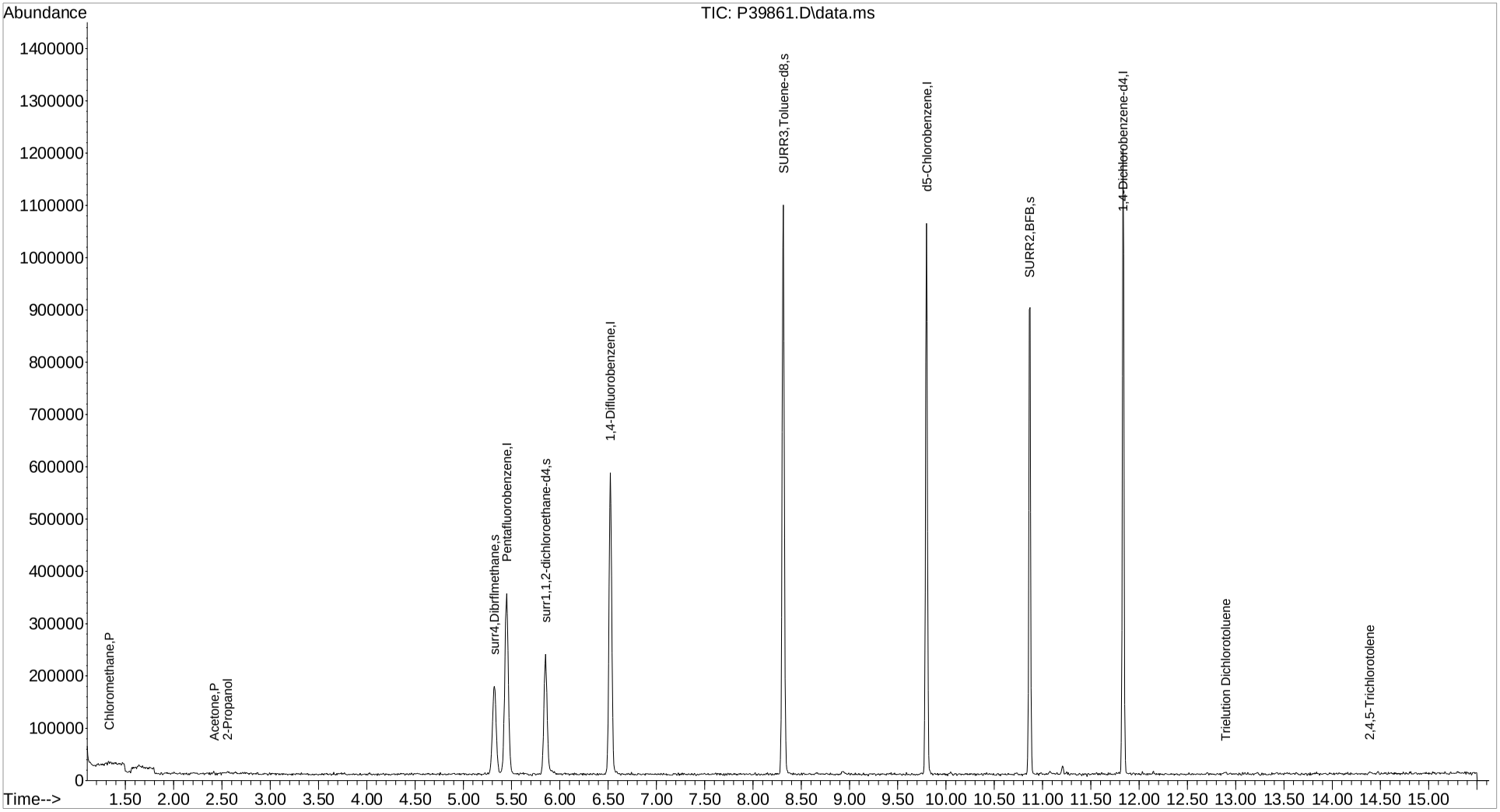
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	308501	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	499314	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	457241	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	223542	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	139253	47.51	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 95.02%				
48) surr1,1,2-dichloroetha...	5.852	65	198174	50.65	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.30%				
65) SURR3,Toluene-d8	8.315	98	669175	50.23	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.46%				
70) SURR2,BFB	10.864	95	243344	47.10	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.20%				
Target Compounds							Qvalue
3) Chloromethane	1.329	50	3277	0.78	ppb		99
15) Acetone	2.420	43	3252	2.19	ppb		77
16) 2-Propanol	2.554	45	18274m	49.49	ppb		
112) Trielution Dichlorotol...	12.894	125	1631	0.24	ppb	#	85
119) 2,4,5-Trichlorotolene	14.387	159	894	0.21	ppb	#	75

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

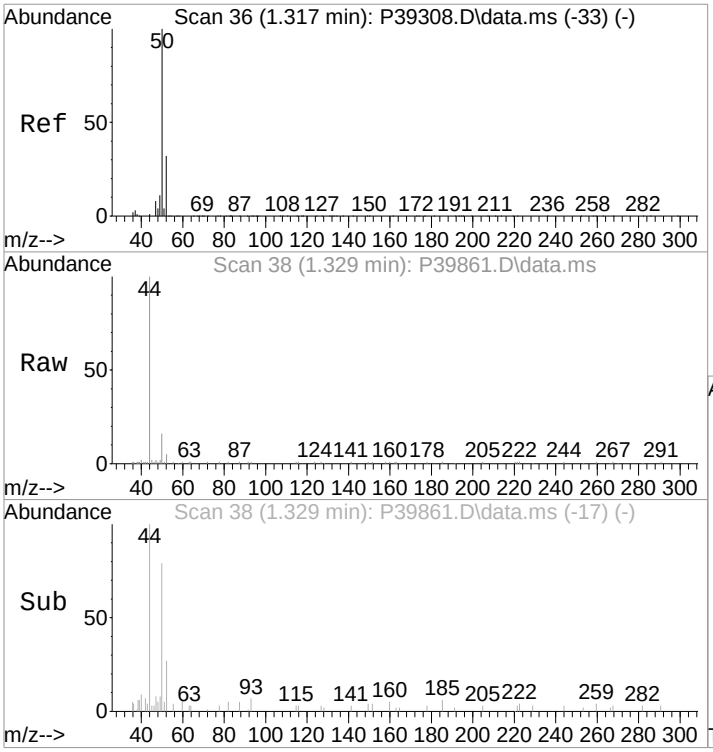
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39861.D
Acq On : 21 Sep 2020 12:19 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 21 12:44:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



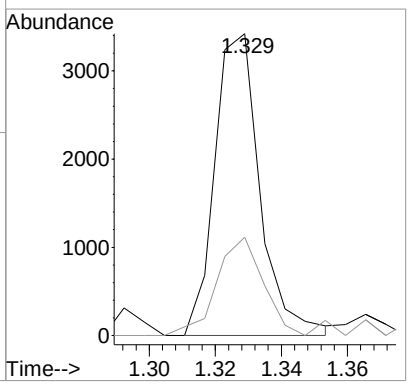
1st 09/21/20
2nd 09/24/20

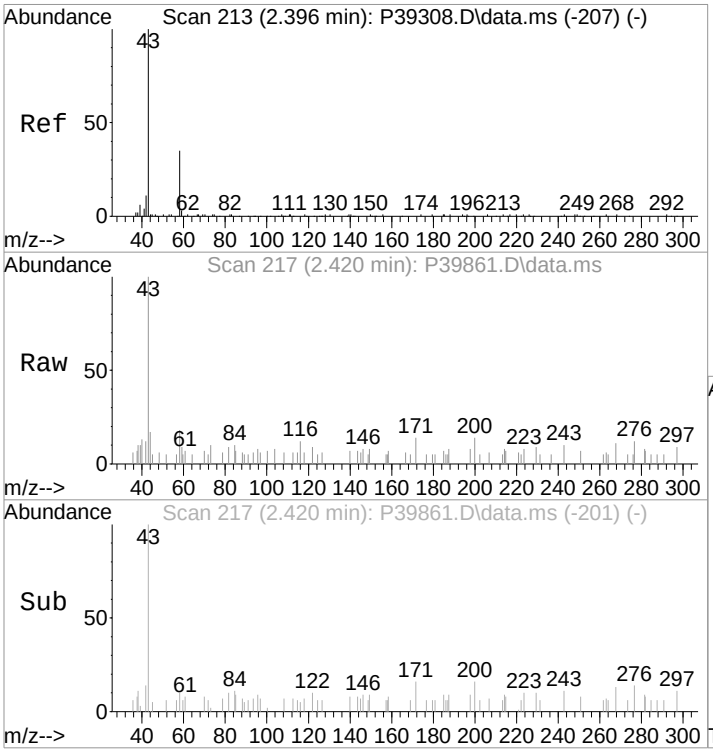


#3
Chloromethane
Concen: 0.78 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

Tgt Ion: 50 Resp: 3277

Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.1	52.1

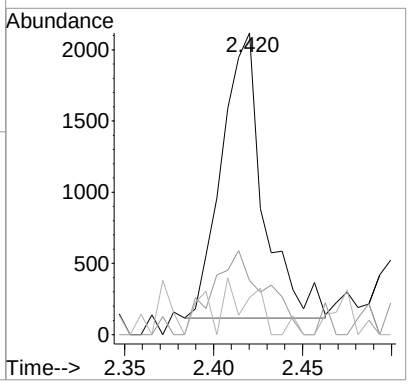


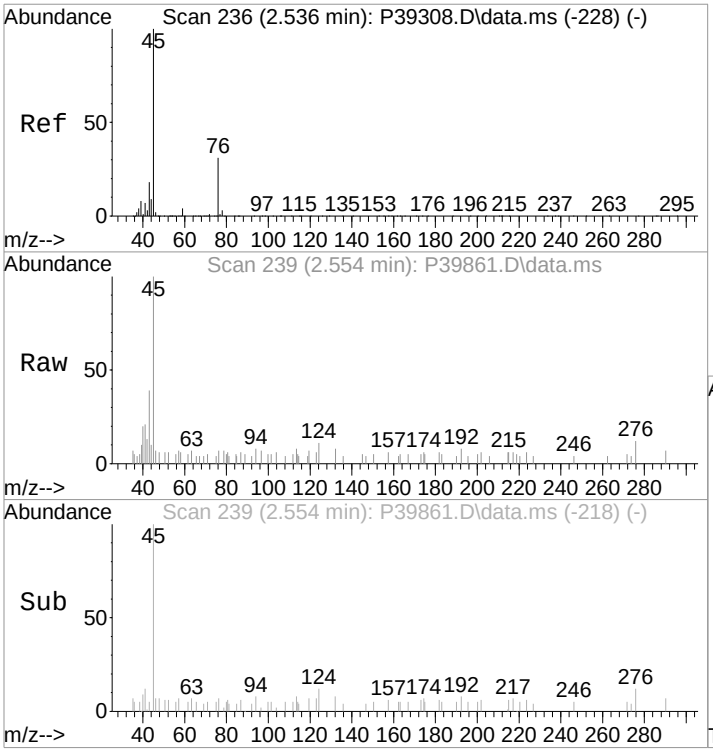


#15
Acetone
Concen: 2.19 ppb
RT: 2.420 min Scan# 217
Delta R.T. 0.024 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

Tgt Ion: 43 Resp: 3252

Ion	Ratio	Lower	Upper
43	100		
58	17.9	14.8	54.8
42	12.3	0.0	31.4

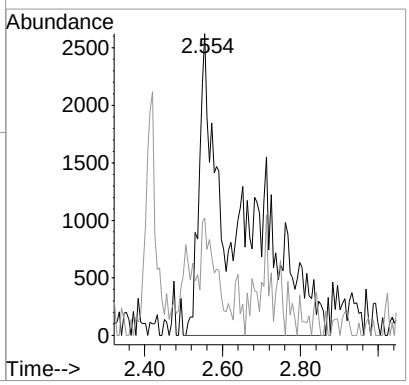


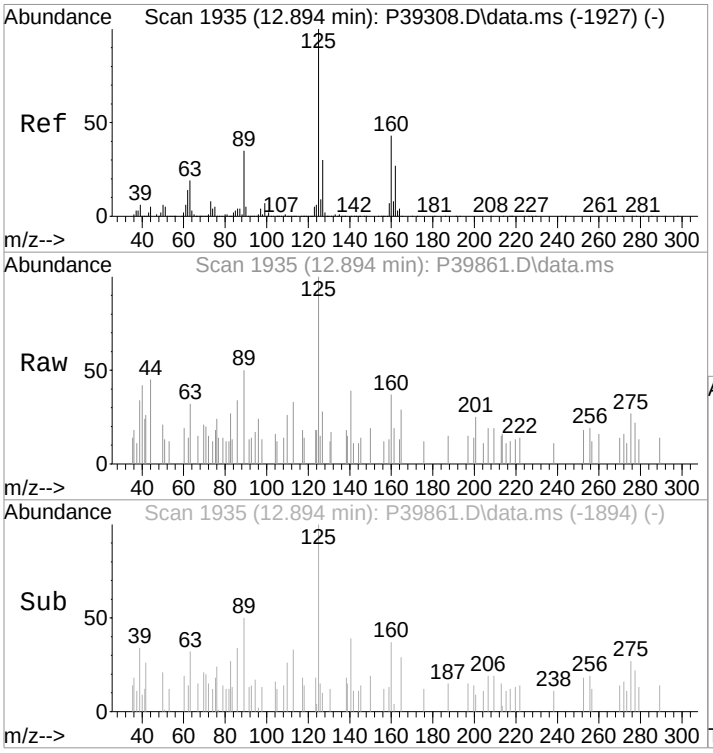


#16
2-Propanol
Concen: 49.49 ppb m
RT: 2.554 min Scan# 239
Delta R.T. 0.018 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

Tgt Ion: 45 Resp: 18274

Ion	Ratio	Lower	Upper
45	100		
43	38.9	3.1	43.1

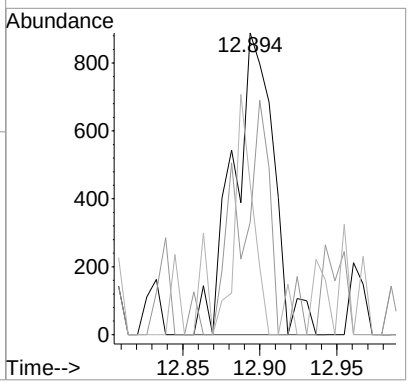




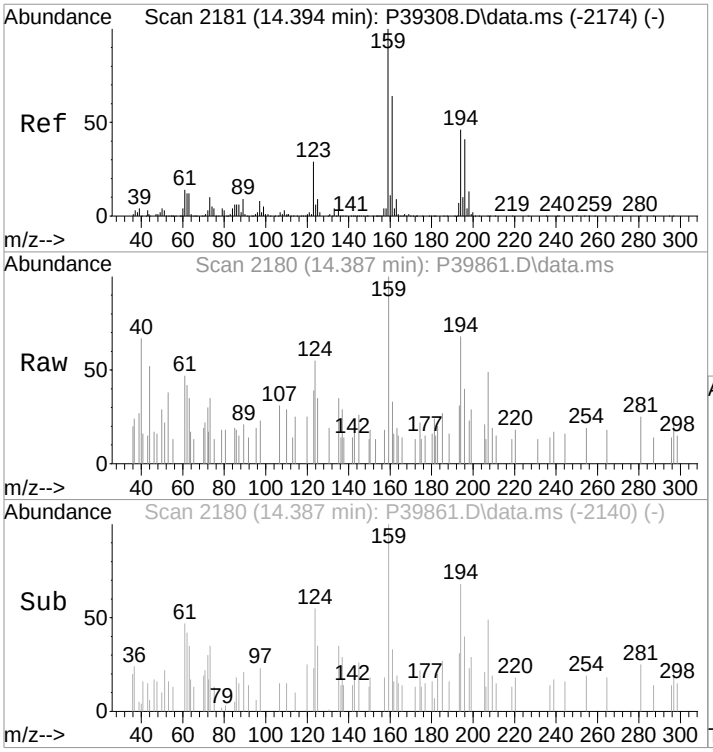
#112
Trielution Dichlorotoluene
Concen: 0.24 ppb
RT: 12.894 min Scan# 1935
Delta R.T. -0.000 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

Tgt Ion:125 Resp: 1631

Ion	Ratio	Lower	Upper
125	100		
160	32.3	34.2	51.2#
89	43.4	28.1	42.1#



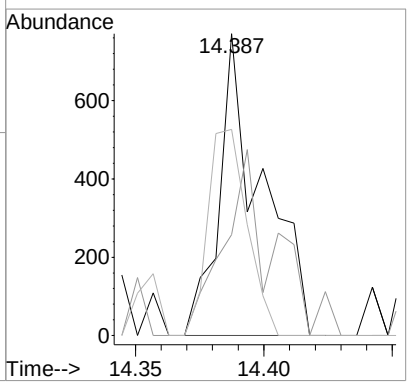
1st 09/21/20
2nd 09/24/20



#119
2,4,5-Trichlorotolene
Concen: 0.21 ppb
RT: 14.387 min Scan# 2180
Delta R.T. -0.006 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

Tgt Ion:159 Resp: 894

Ion	Ratio	Lower	Upper
159	100		
161	49.5	51.5	77.3#
194	68.2	36.6	55.0#

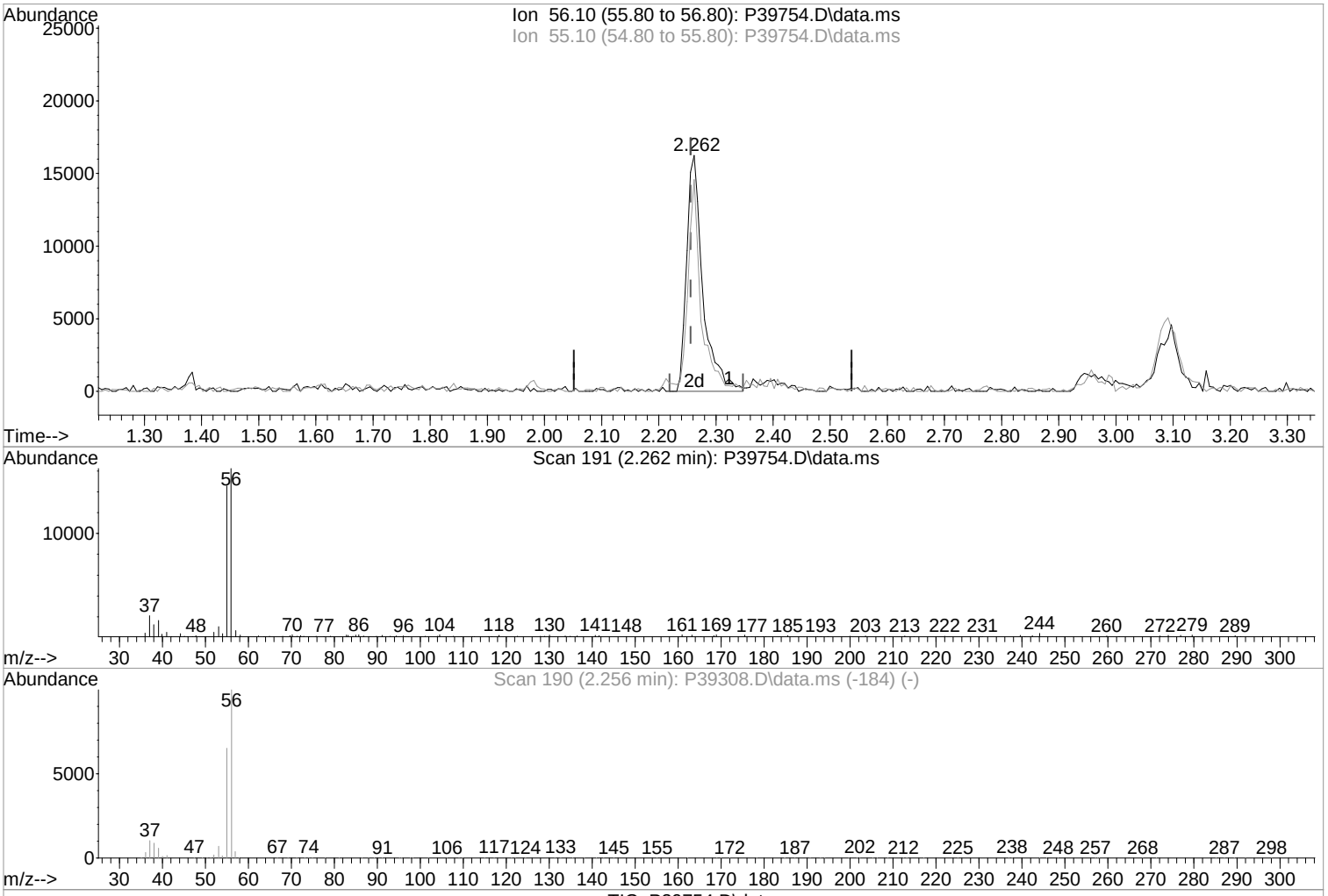


1st 09/18/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39754.D\data.ms

(12) Acrolein

2.262min (+0.006) 39.13 ppb m

response 32234

Ion	Exp%	Act%
56.10	100	100
55.10	66.30	89.71#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

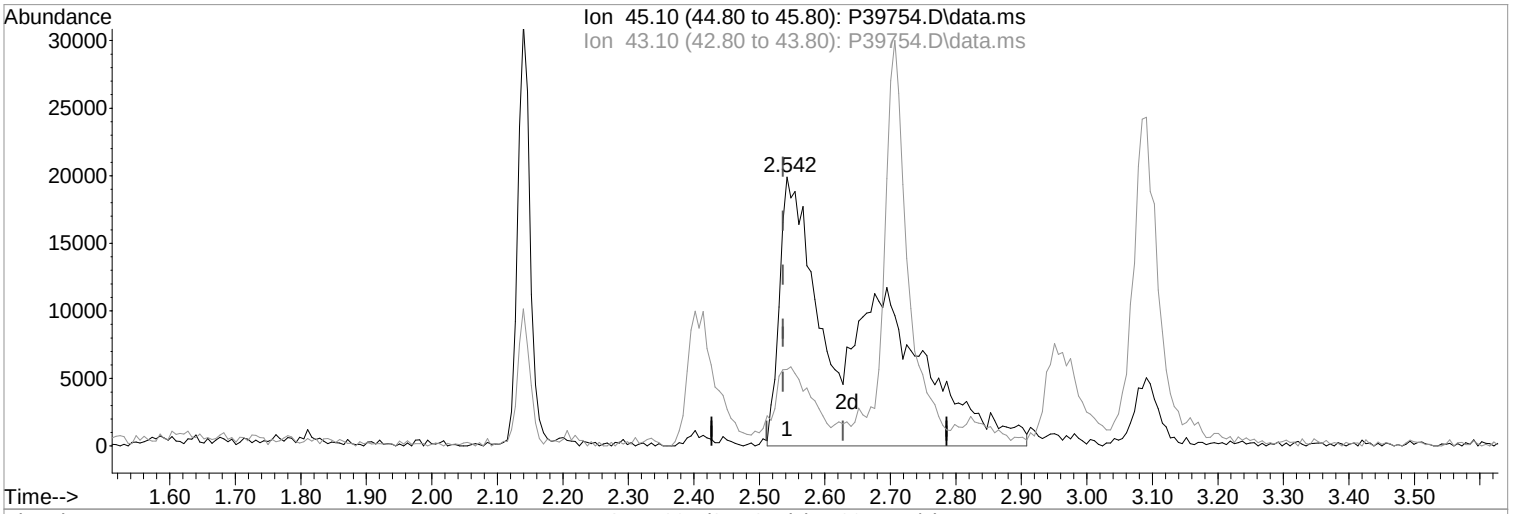
09/18/20

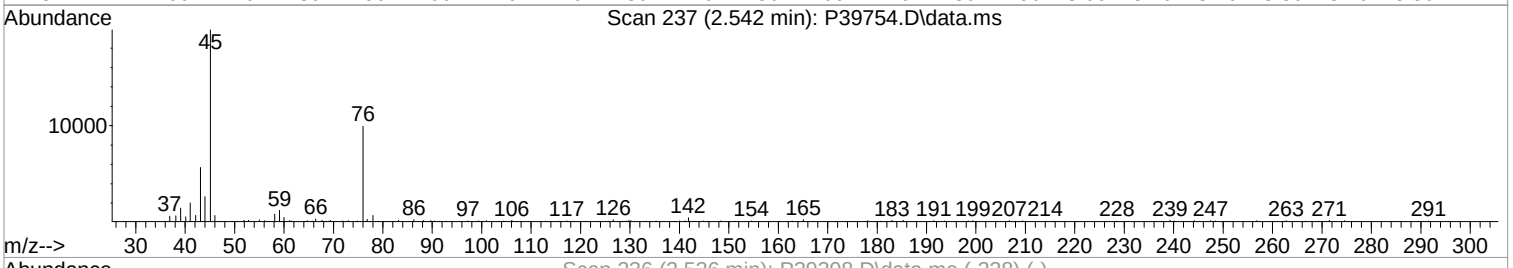
1st 09/18/20
2nd 09/22/20

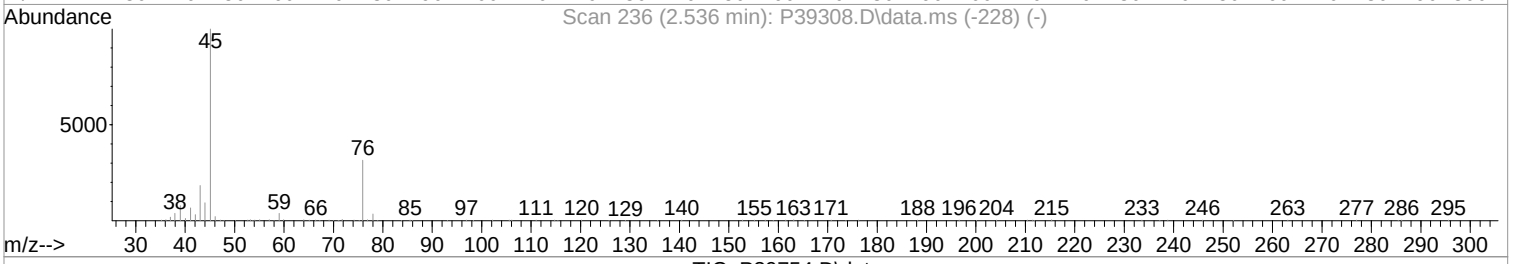
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 440.30 ppb m

response 166747

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	28.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

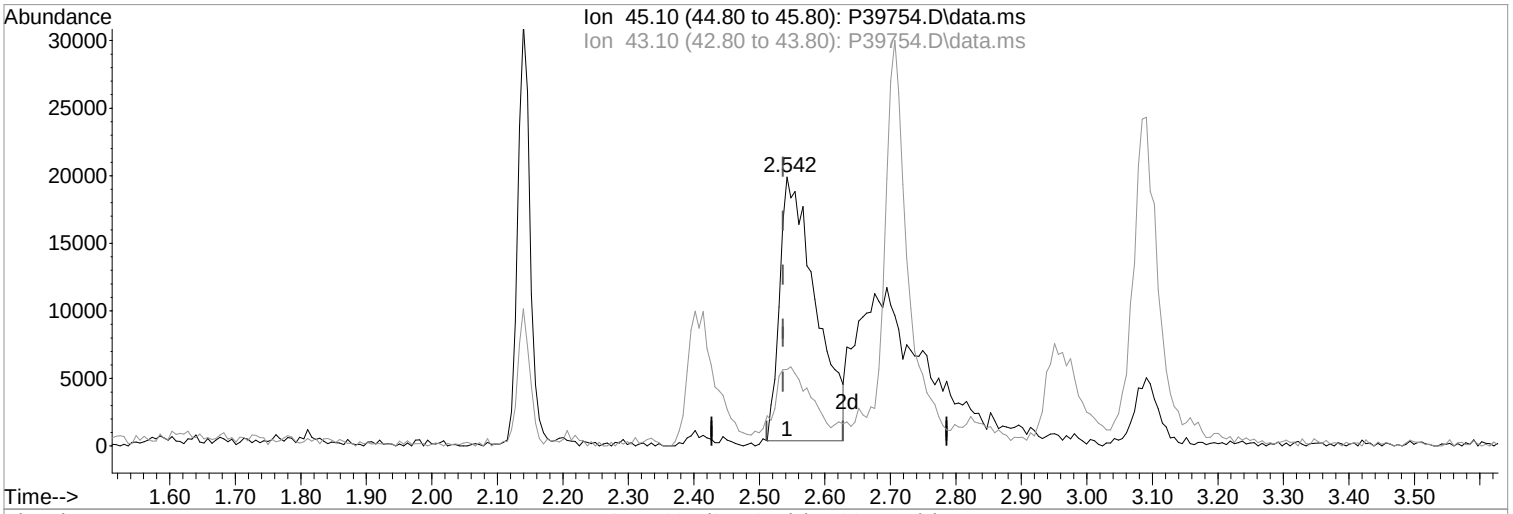
09/18/20

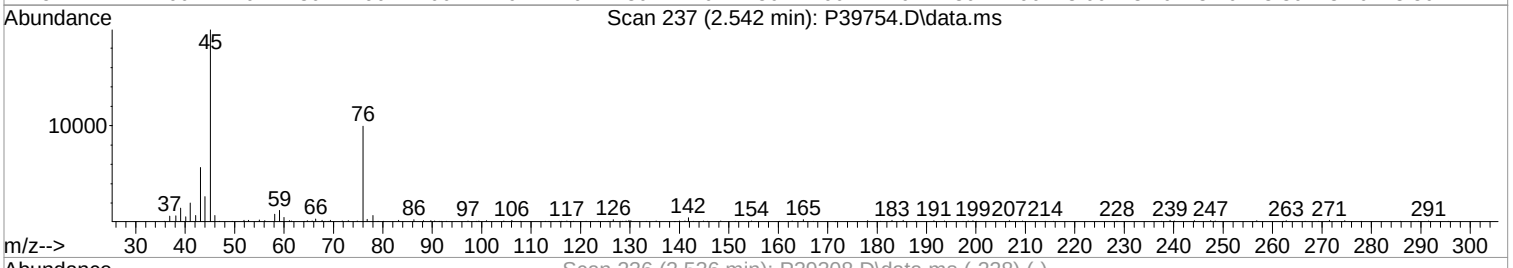
1st 09/18/20
2nd 09/22/20

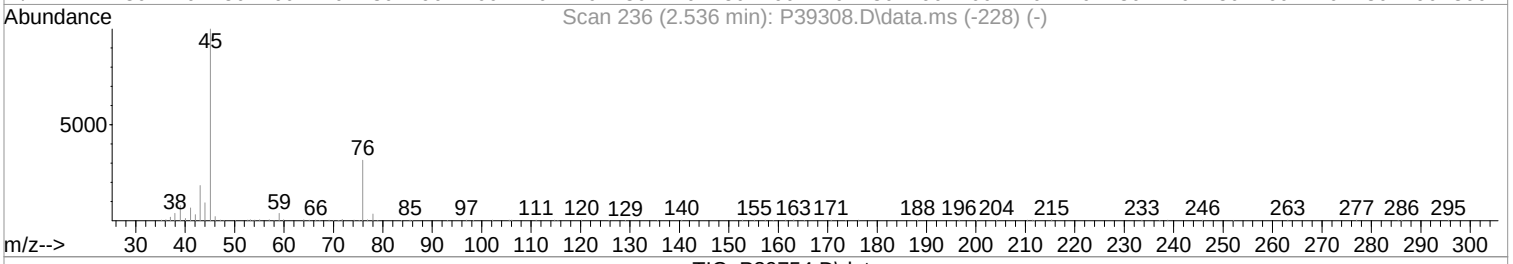
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 194.73 ppb

response 73745

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	28.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

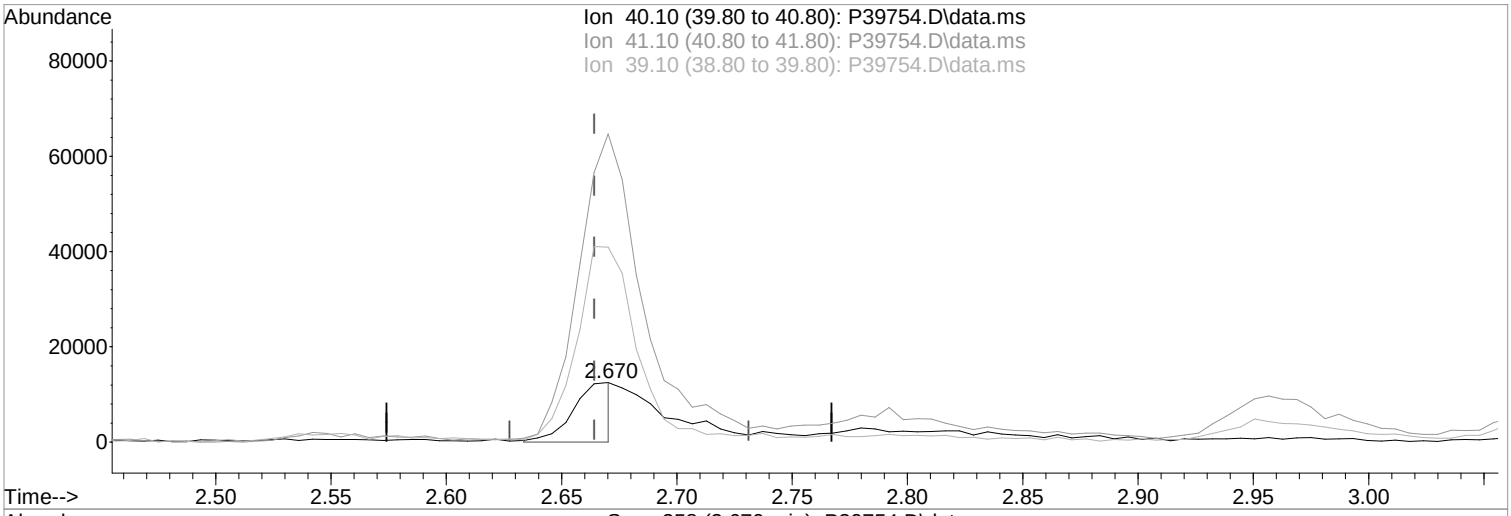
Before

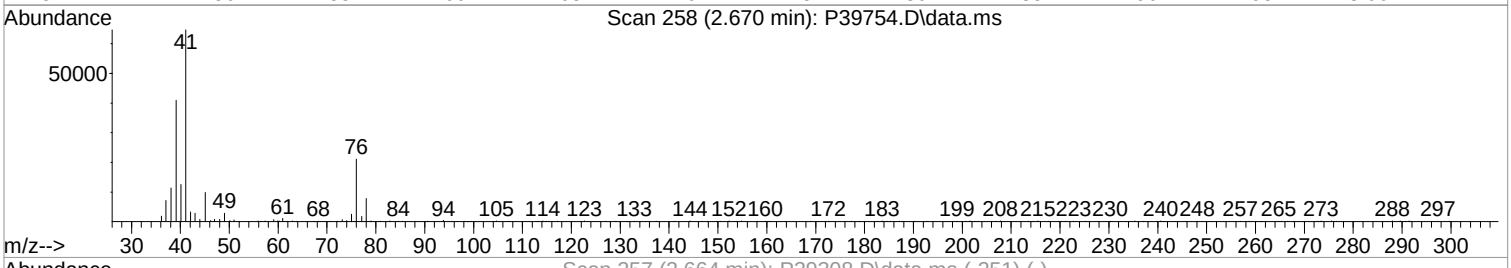
09/18/20

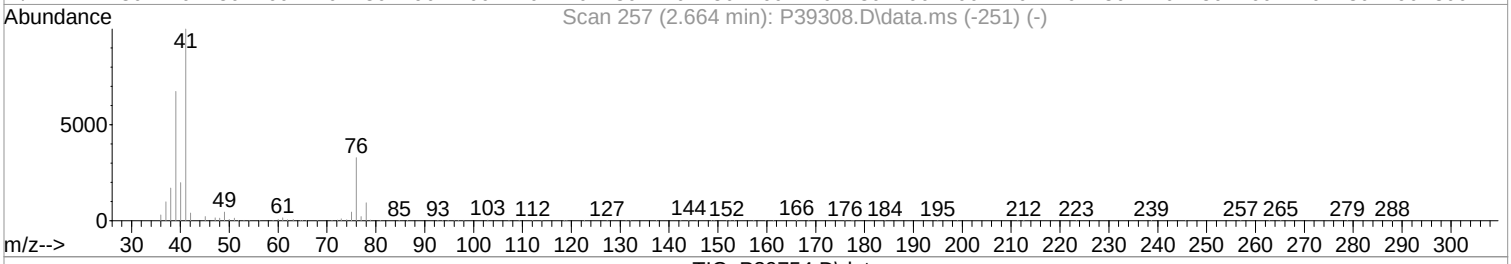
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 122.25 ppb m

response 14881

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	516.38
39.10	343.30	326.45
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

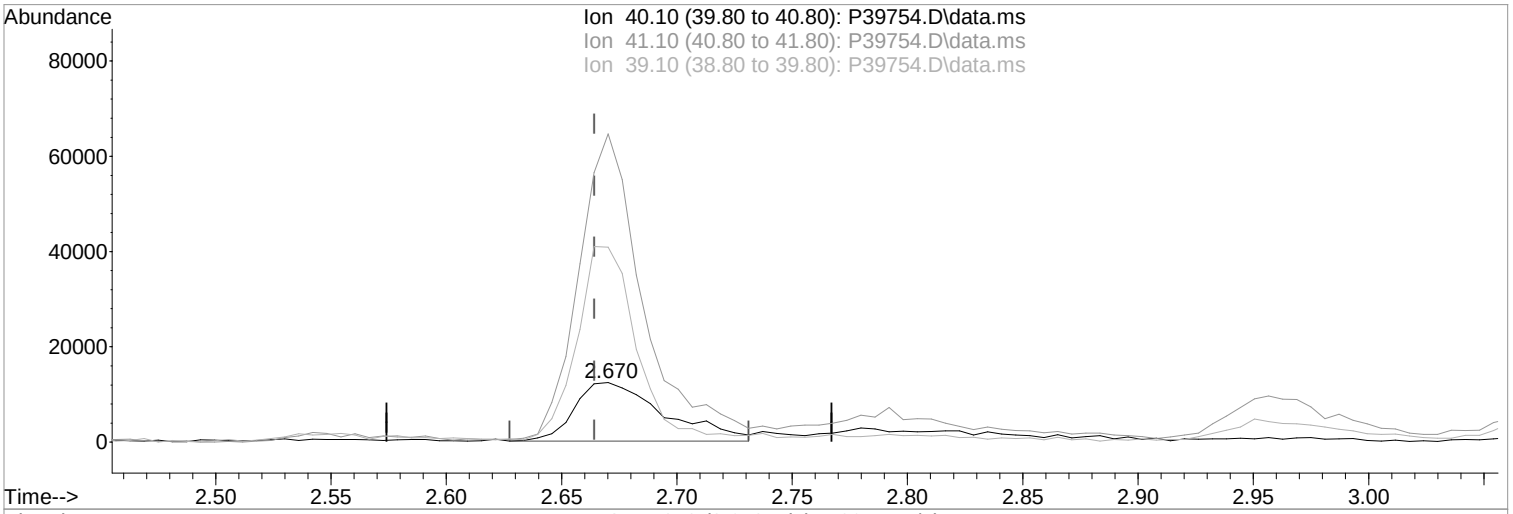
09/18/20

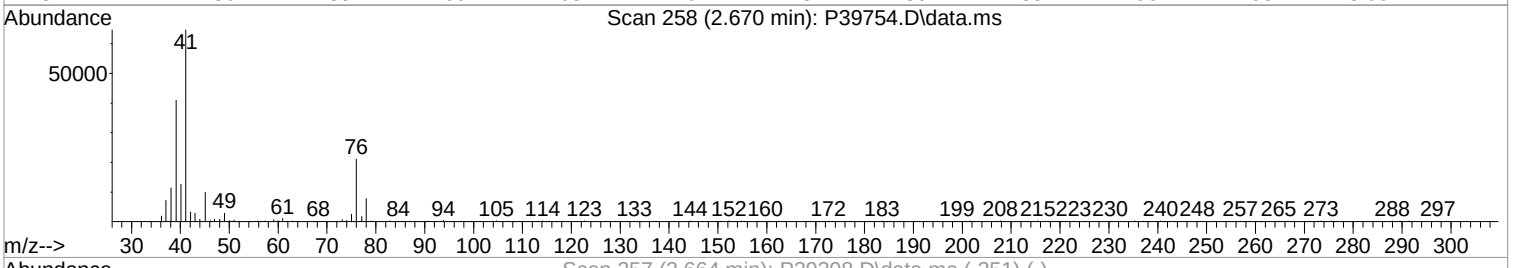
1st 09/18/20
2nd 09/22/20

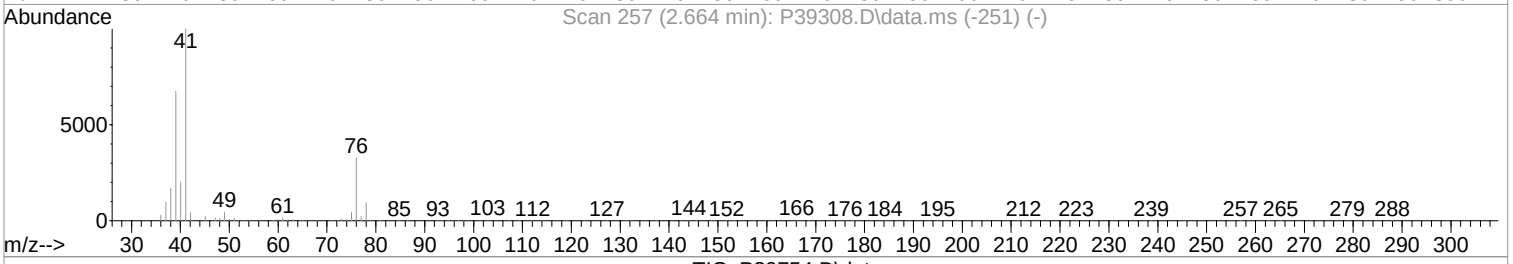
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 273.93 ppb

response 33343

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	516.38
39.10	343.30	326.45
0.00	0.00	0.00

Manual Integration:

Before

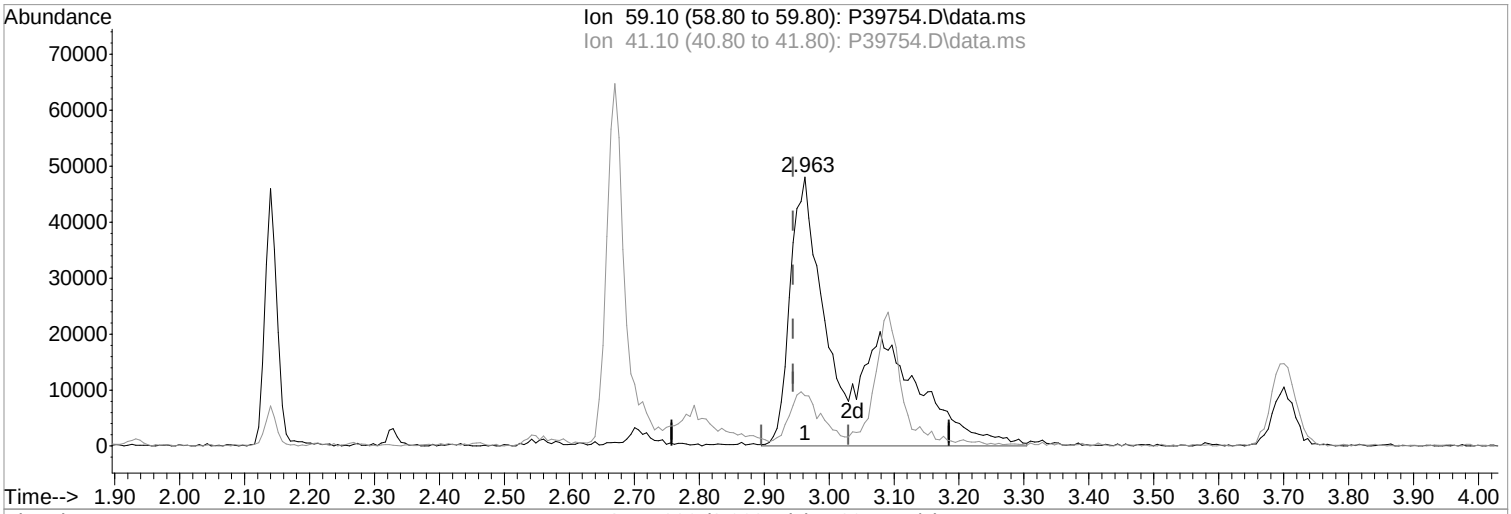
09/18/20

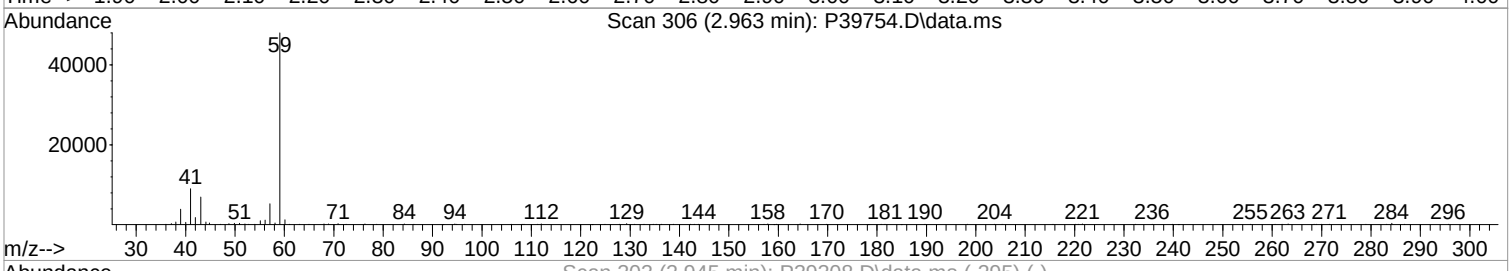
1st 09/18/20
2nd 09/22/20

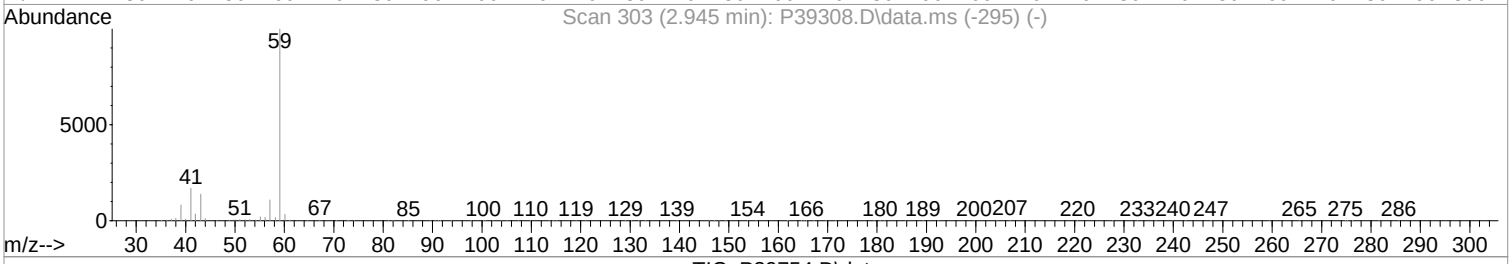
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(23) TBA

2.963min (+0.018) 417.35 ppb m

response 295679

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	18.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

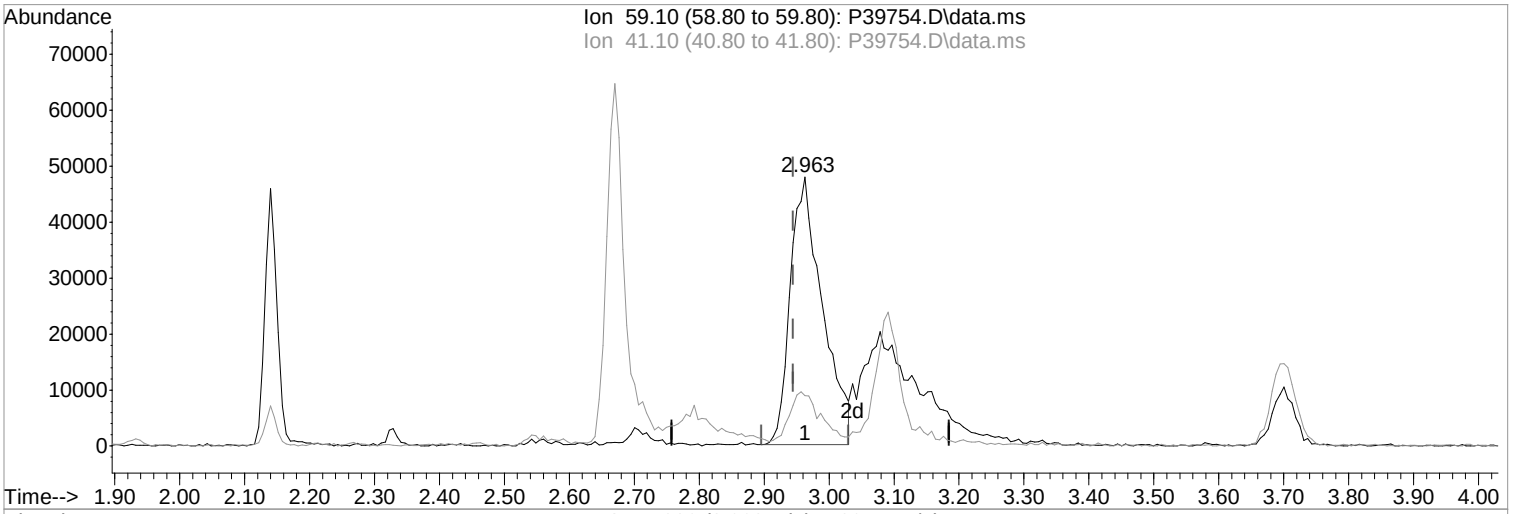
Poor integration.

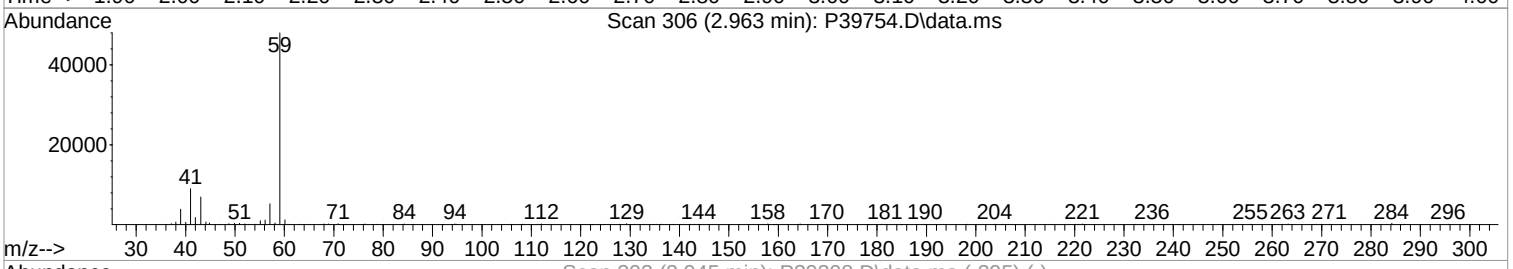
09/18/20

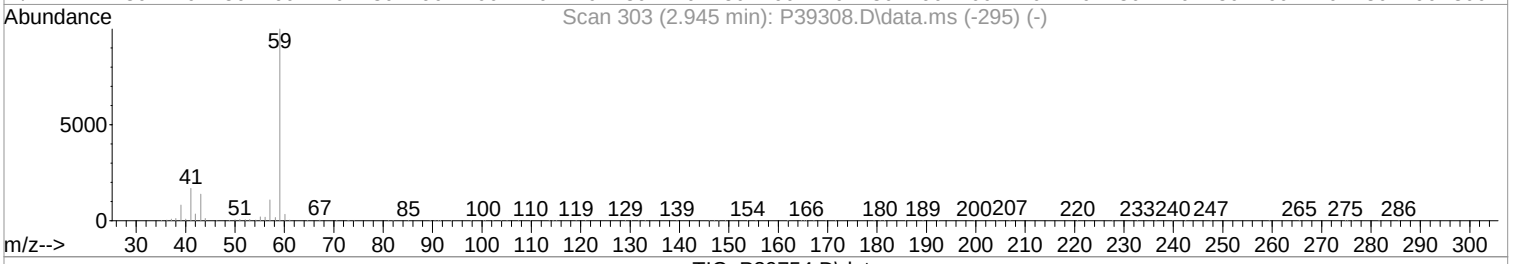
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(23) TBA

2.963min (+0.018) 232.60 ppb

response 164793

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	18.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

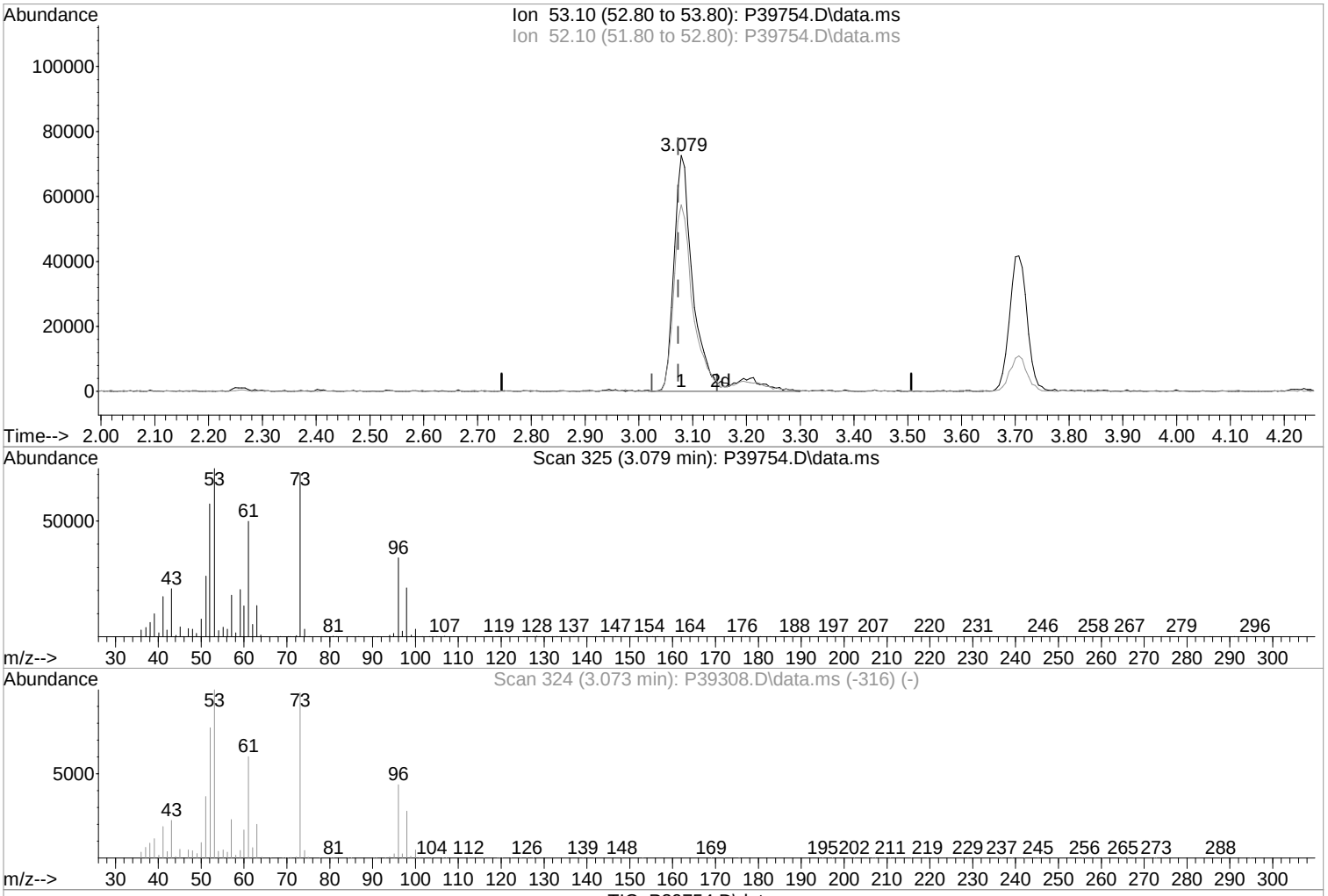
09/18/20

1st 09/18/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39754.D\data.ms

(24) Acrylonitrile

3.079min (+0.006) 113.06 ppb m

response 190838

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	78.99
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

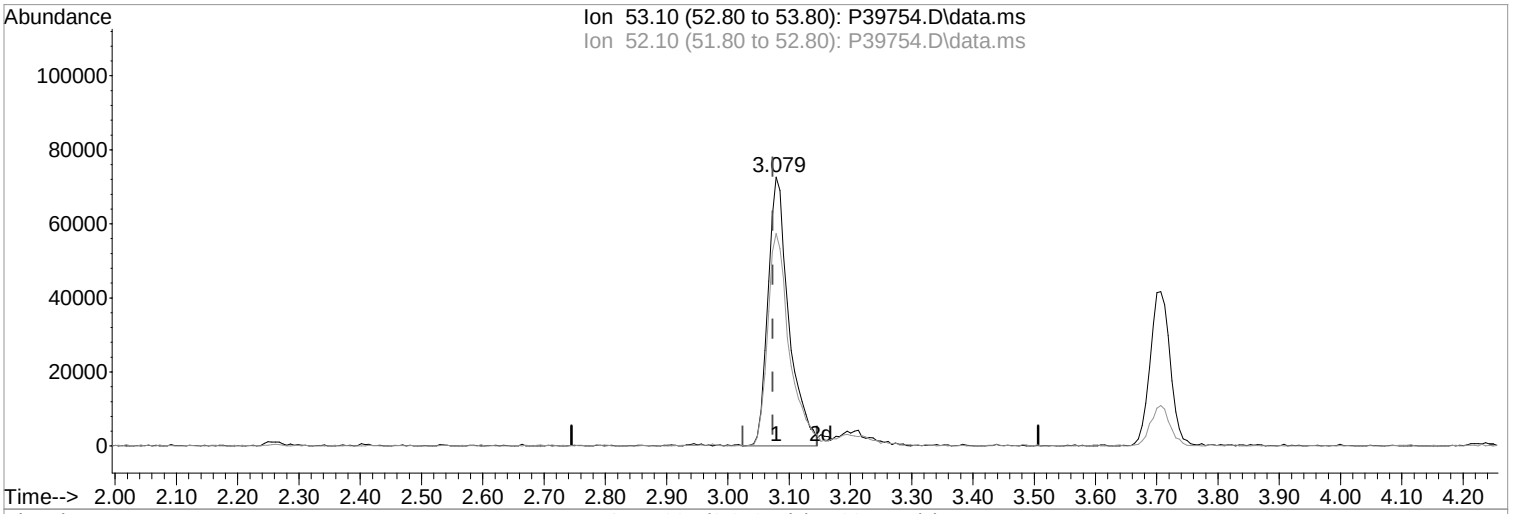
09/18/20

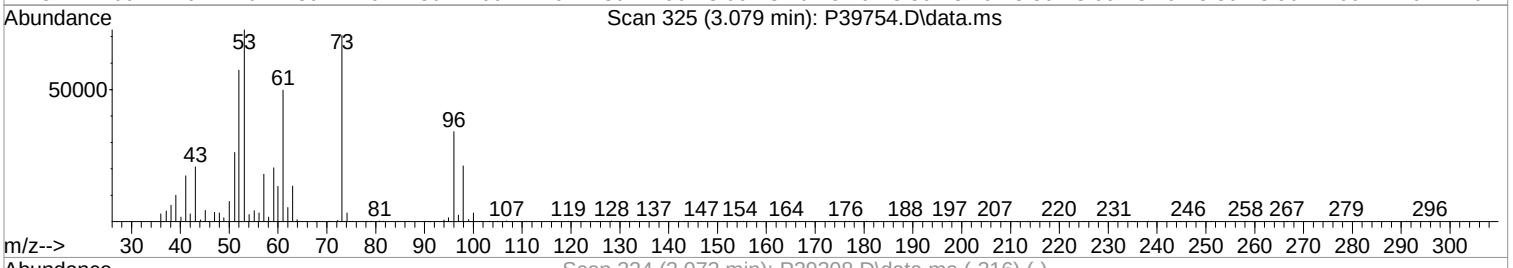
1st 09/18/20
2nd 09/22/20

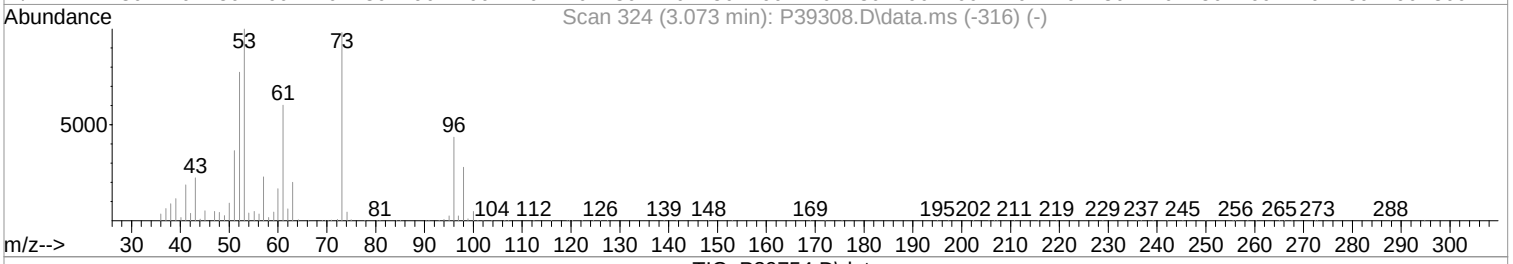
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(24) Acrylonitrile

3.079min (+0.006) 102.09 ppb

response 172308

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	78.99
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

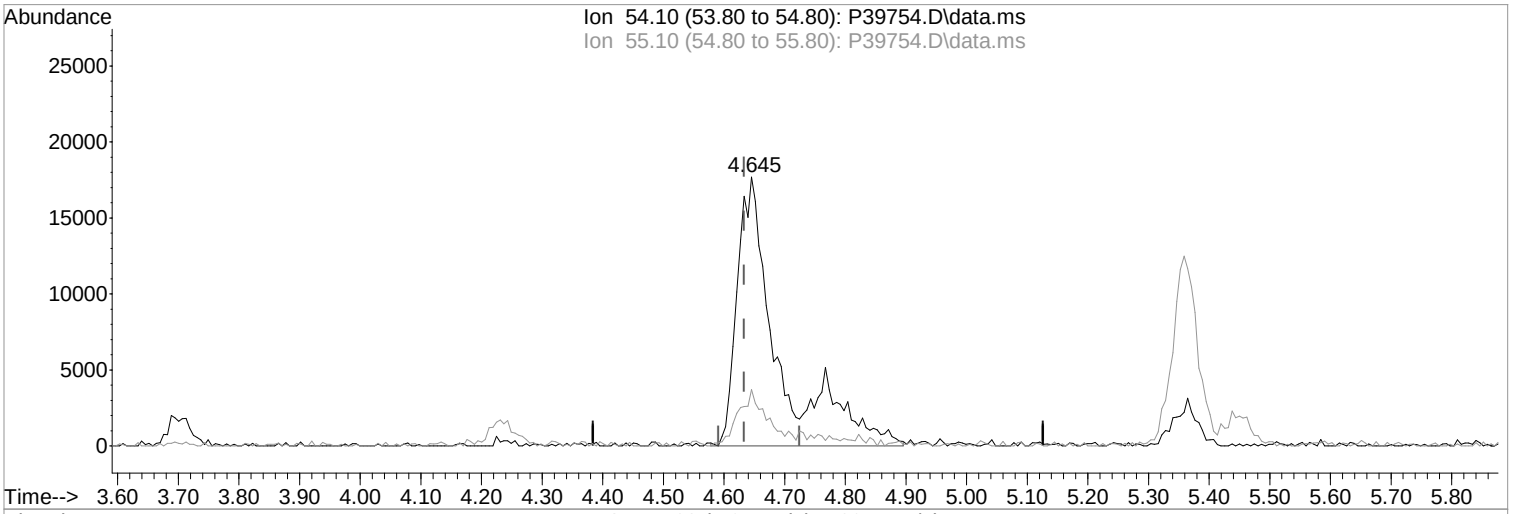
09/18/20

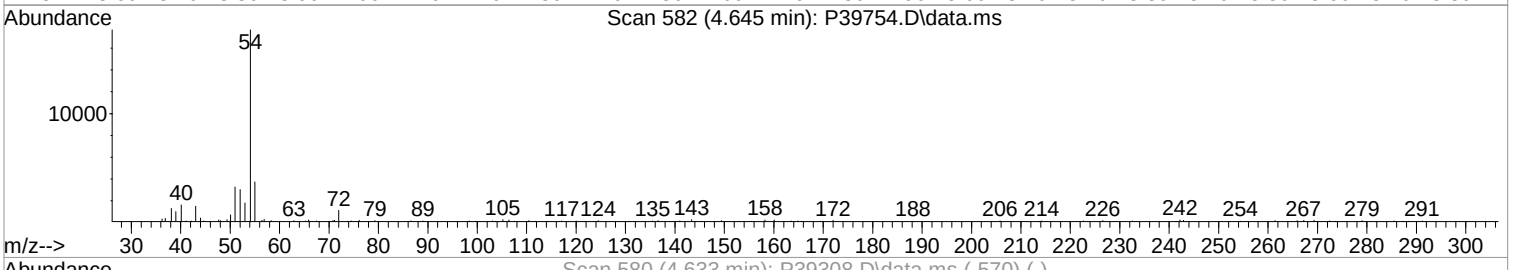
1st 09/18/20
2nd 09/22/20

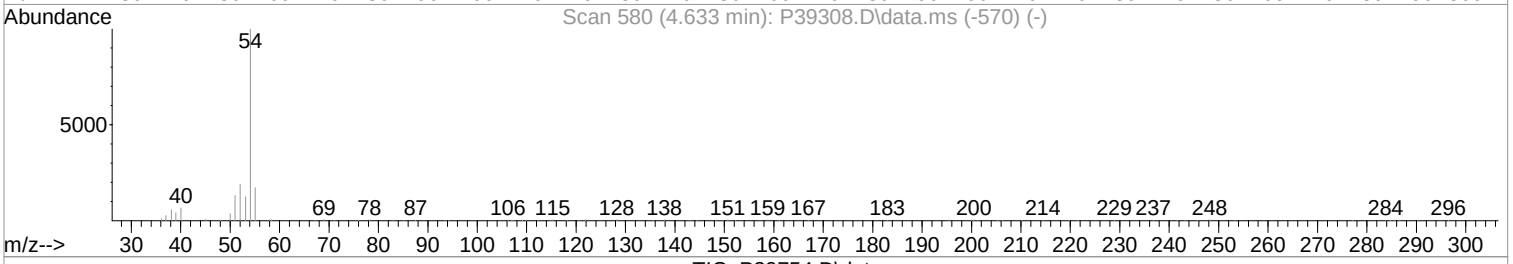
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(36) Propionitrile

4.645min (+0.012) 103.46 ppb m

response 83002

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	21.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

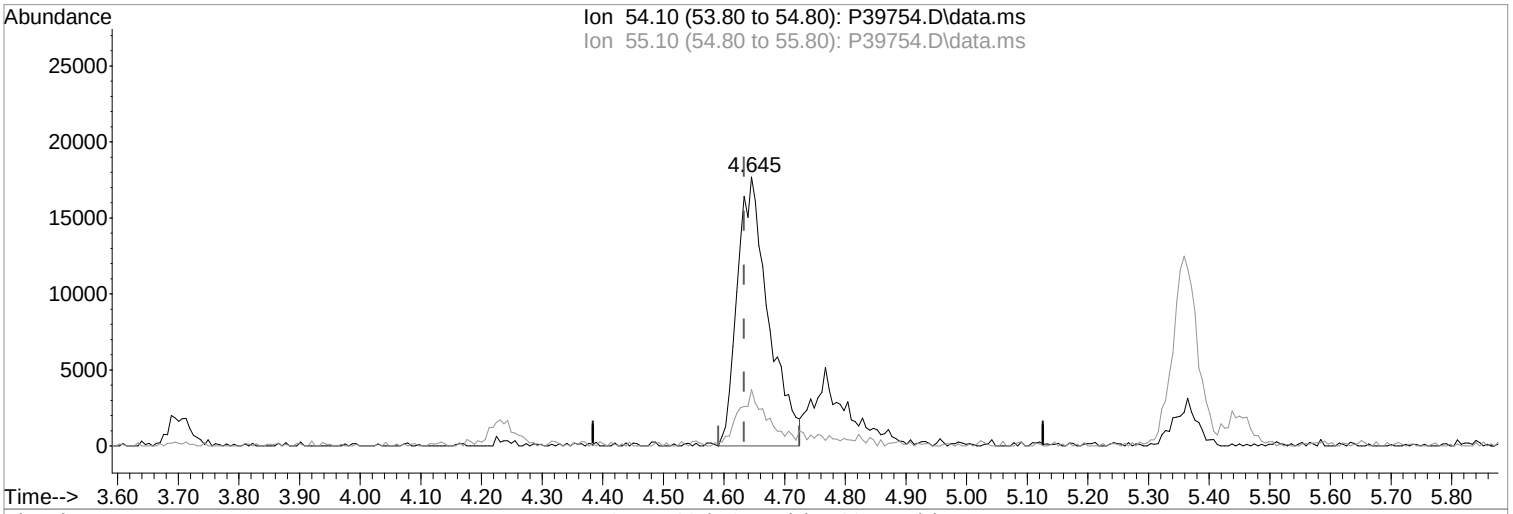
09/18/20

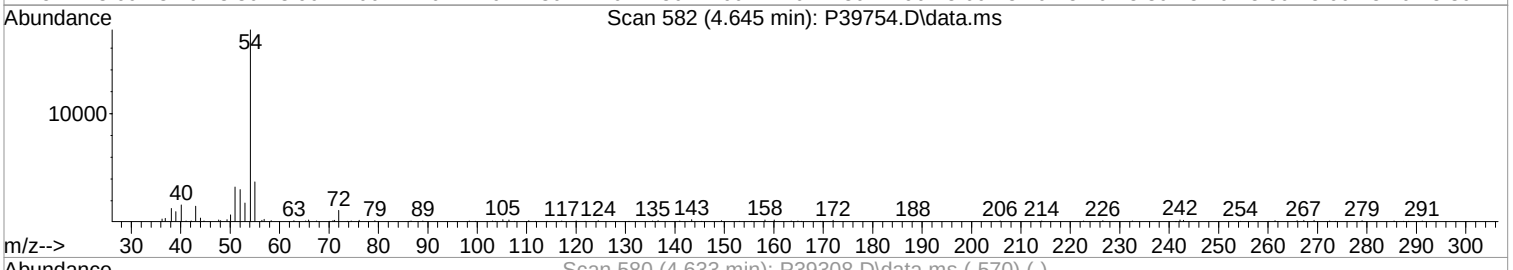
1st 09/18/20
2nd 09/22/20

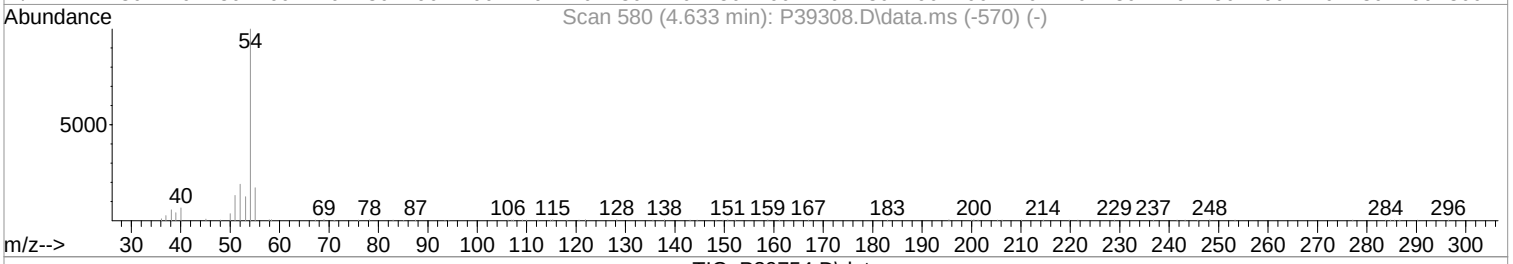
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(36) Propionitrile

4.645min (+0.012) 78.55 ppb

response 63018

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	21.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

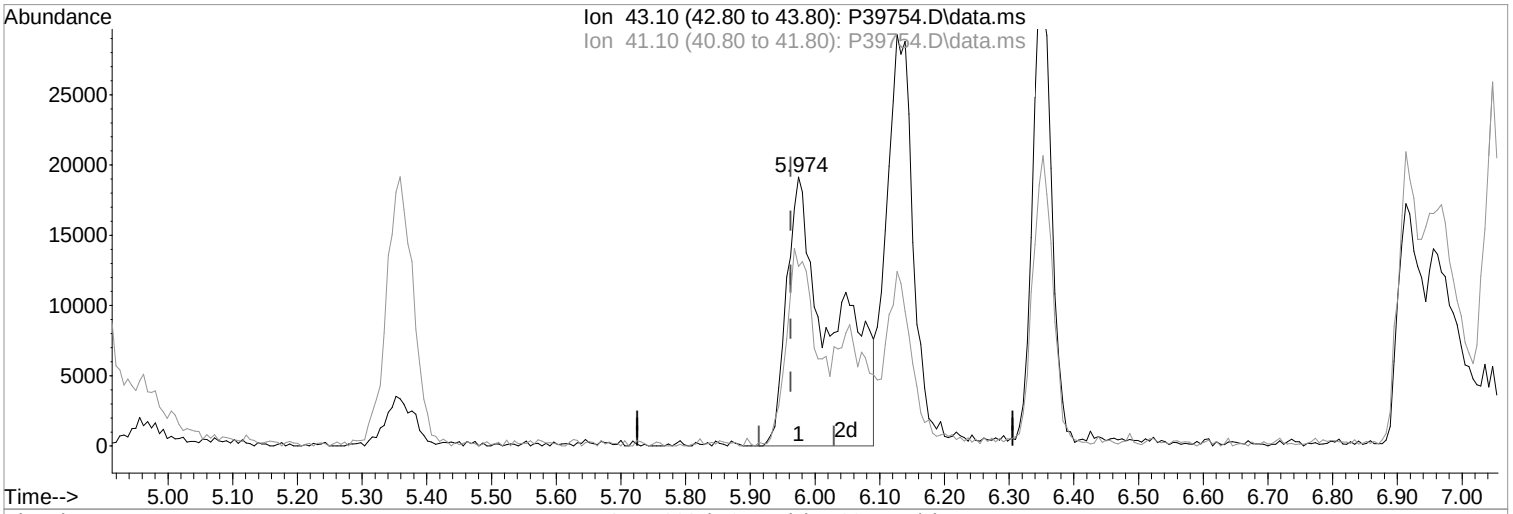
09/18/20

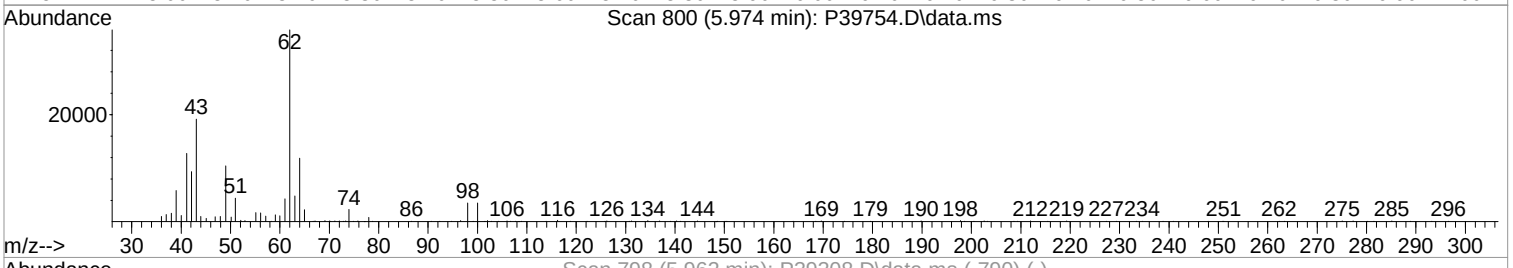
1st 09/18/20
2nd 09/22/20

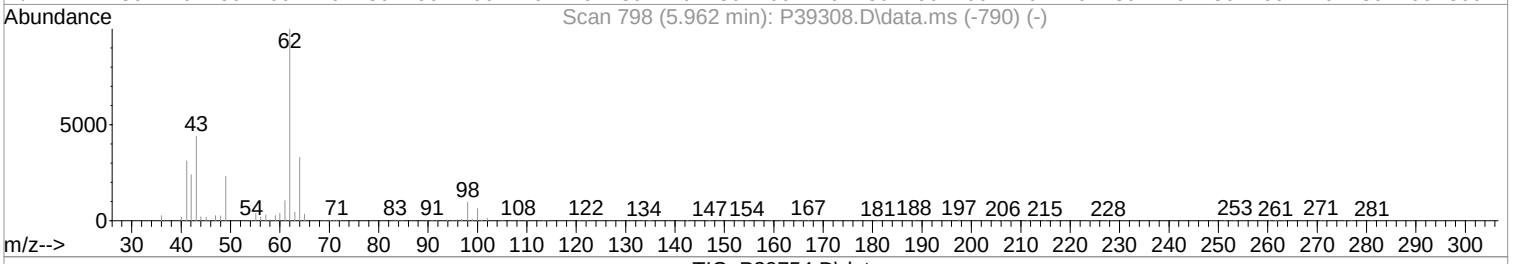
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(51) Iso-Butyl Alcohol

5.974min (+0.012) 431.03 ppb m

response 95376

Ion	Exp%	Act%
43.10	100	100
41.10	71.60	66.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

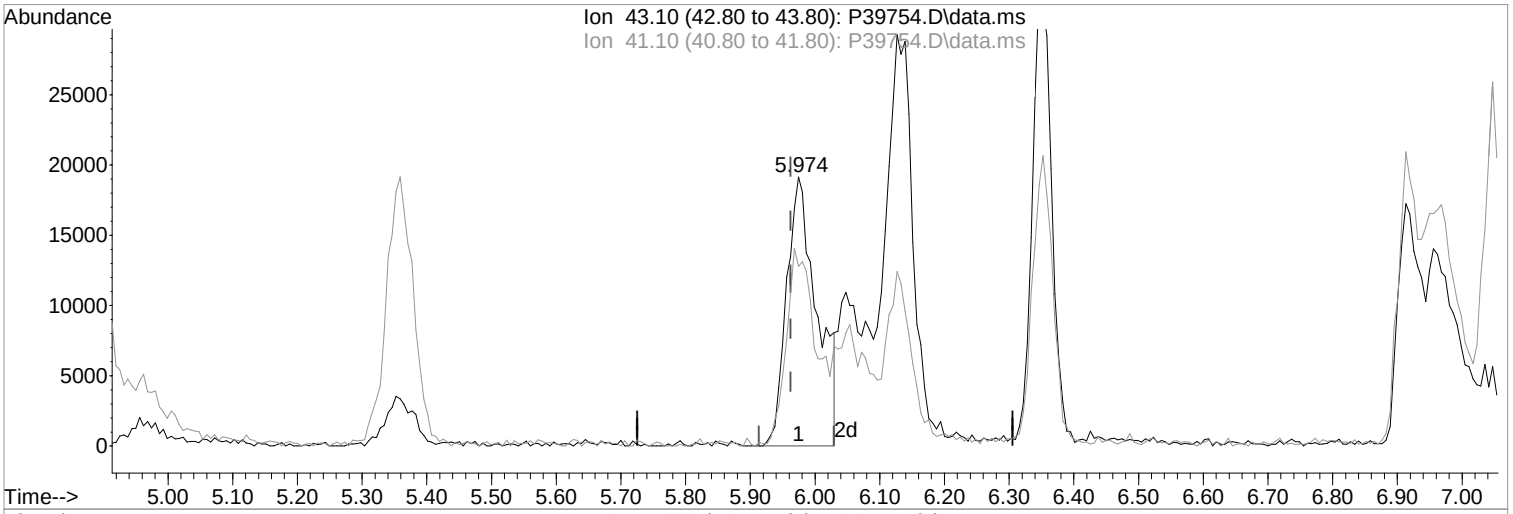
09/18/20

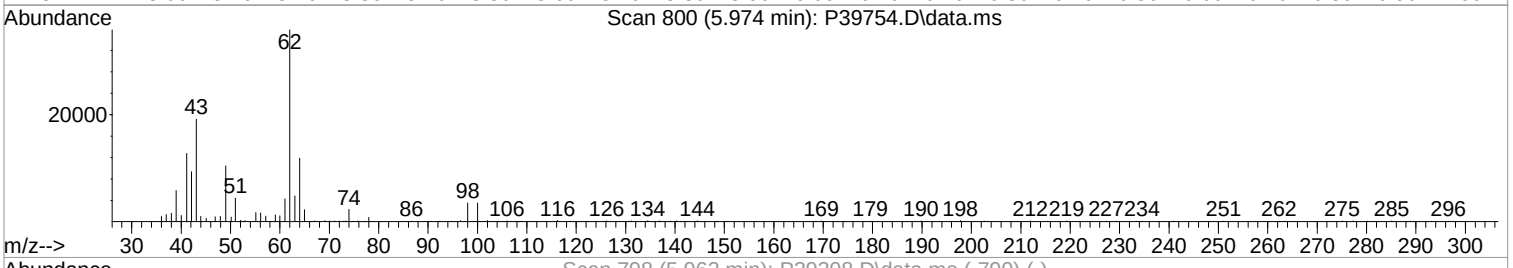
1st 09/18/20
2nd 09/22/20

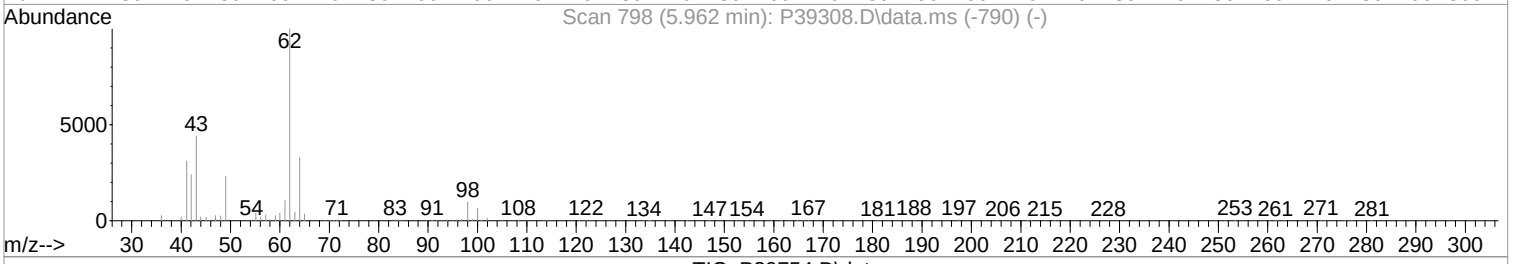
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(51) Iso-Butyl Alcohol

5.974min (+0.012) 282.14 ppb

response 62430

Ion	Exp%	Act%
43.10	100	100
41.10	71.60	66.81
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

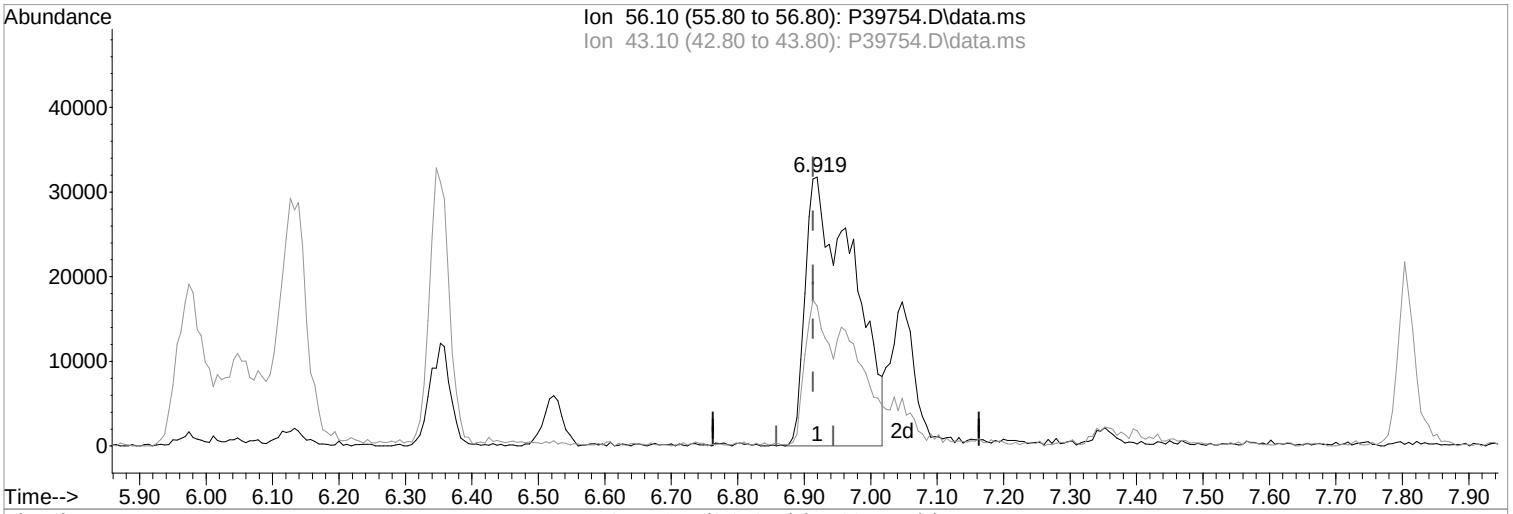
09/18/20

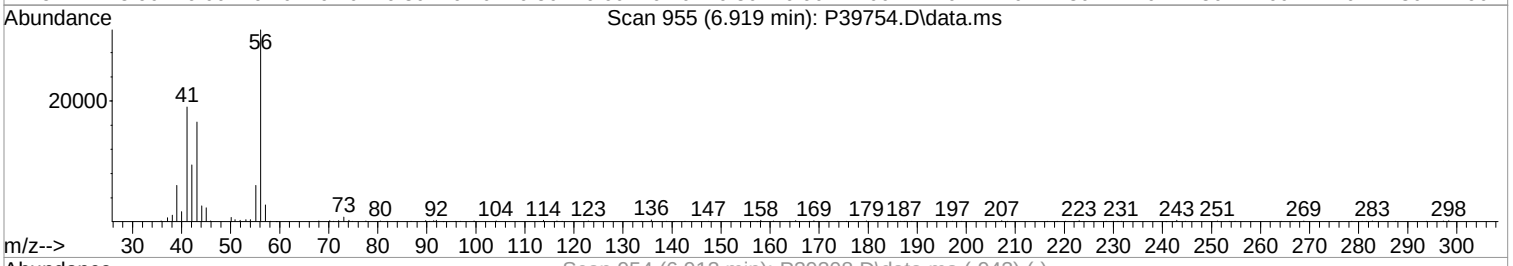
1st 09/18/20
2nd 09/22/20

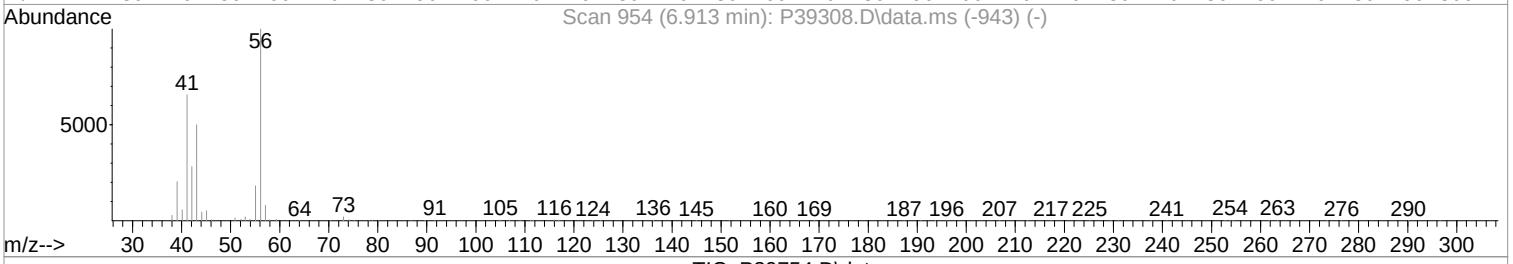
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
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Misc :
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Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(53) 1-Butanol

6.919min (+0.006) 1085.50 ppb m

response 158992

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	26.23#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

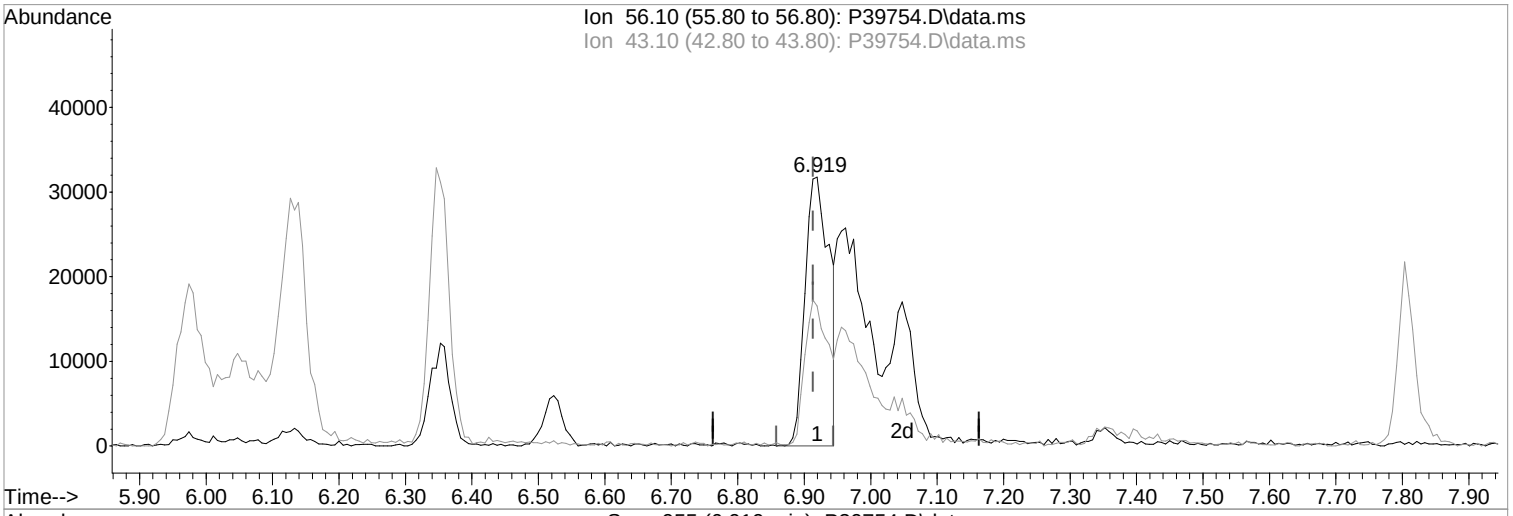
09/18/20

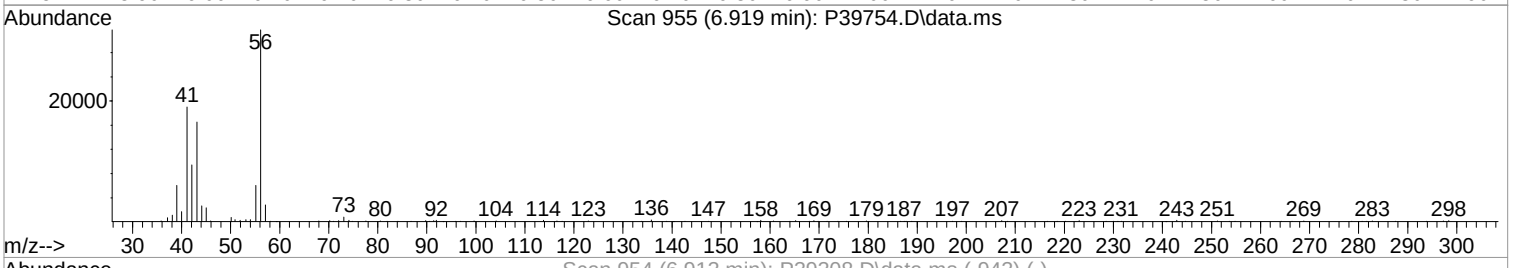
1st 09/18/20
2nd 09/22/20

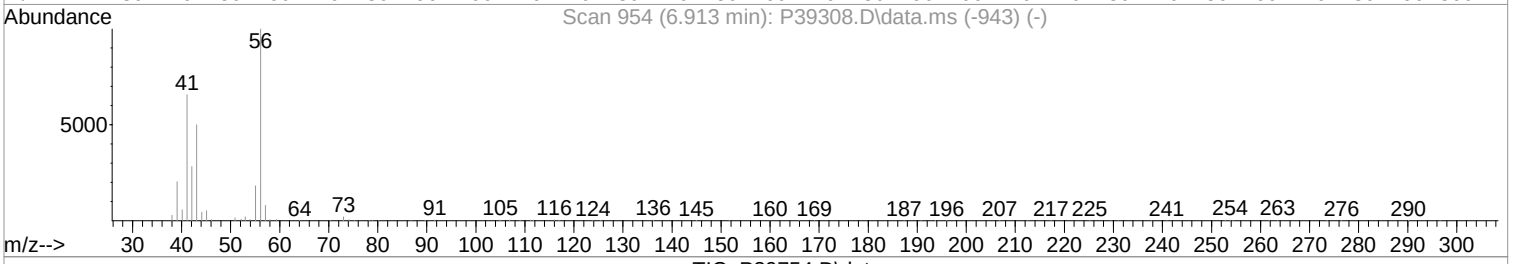
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39754.D\data.ms

(53) 1-Butanol

6.919min (+0.006) 572.55 ppb

response 80220

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	51.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

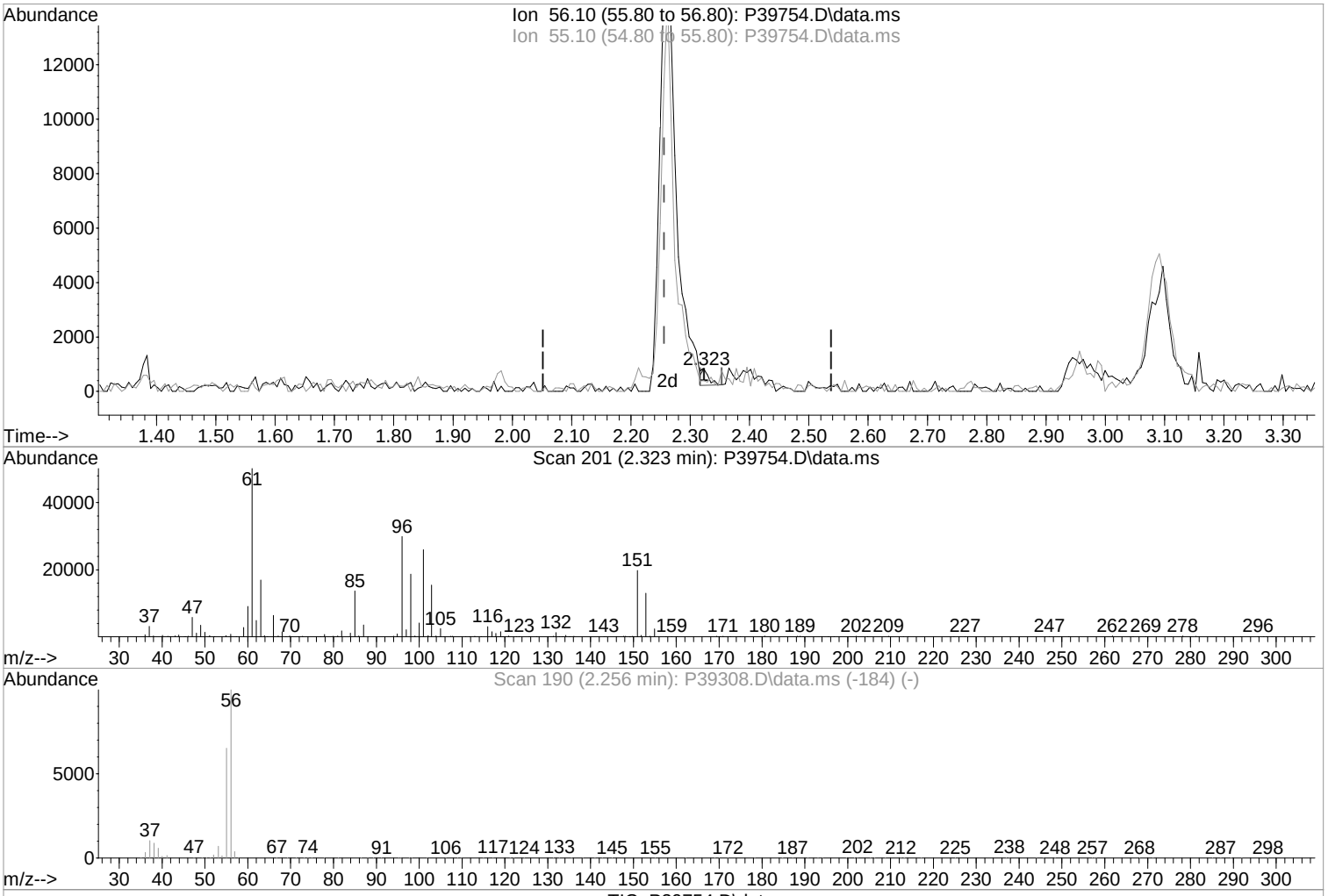
09/18/20

1st 09/18/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:08:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39754.D\data.ms

(12) Acrolein

2.323min (+0.067) 0.56 ppb

response 462

Ion	Exp%	Act%
56.10	100	100
55.10	66.30	47.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:10:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	316408	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	522857	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	471408	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	232861	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	139810	45.55	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 91.10%				
48) surr1,1,2-dichloroetha...	5.846	65	204027	49.80	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.60%				
65) SURR3,Toluene-d8	8.315	98	679206	48.69	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.38%				
70) SURR2,BFB	10.870	95	251079	46.41	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.82%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.195	85	76955	18.42	ppb		99
3) Chloromethane	1.323	50	86903	20.09	ppb		99
4) Vinyl Chloride	1.396	62	103411	19.72	ppb		95
5) Bromomethane	1.640	94	94492	20.62	ppb		92
6) Chloroethane	1.713	64	85190	22.17	ppb		100
7) Freon 21	1.859	67	147757	25.00	ppb		99
8) Trichlorofluoromethane	1.902	101	95595	19.27	ppb		100
9) Diethyl Ether	2.140	59	59582	20.58	ppb		96
10) Freon 123a	2.146	67	53348	15.62	ppb		93
11) Freon 123	2.207	83	68881	17.37	ppb		92
12) Acrolein	2.262	56	32234m	39.13	ppb		
13) 1,1-Diclethene	2.329	96	52501	22.51	ppb		90
14) Freon 113	2.329	101	54909	20.88	ppb		100
15) Acetone	2.402	43	30803	20.22	ppb		96
16) 2-Propanol	2.542	45	166747m	440.30	ppb		
17) Iodomethane	2.469	142	54692	16.94	ppb		82
18) Carbon Disulfide	2.524	76	154417	19.24	ppb		100
19) Acetonitrile	2.670	40	14881m	122.25	ppb		
20) Allyl Chloride	2.670	76	34709	22.54	ppb		96
21) Methyl Acetate	2.707	43	66908	21.35	ppb		98
22) Methylene Chloride	2.792	84	64362	20.68	ppb		95
23) TBA	2.963	59	295679m	417.35	ppb		
24) Acrylonitrile	3.079	53	190838m	113.06	ppb		
25) Methyl-t-Butyl Ether	3.091	73	238424	22.29	ppb		97
26) trans-1,2-Dichloroethene	3.079	96	60232	22.26	ppb		95
28) 1,1-Diclethane	3.591	63	111820	21.62	ppb		94
29) Vinyl Acetate	3.688	86	14864	22.84	ppb	#	93
30) DIPE	3.700	45	203220	22.68	ppb		98
31) 2-Chloro-1,3-Butadiene	3.707	53	95369	19.43	ppb		94
32) ETBE	4.231	59	201159	21.92	ppb		97
33) 2,2-Dichloropropane	4.426	77	88501	18.84	ppb		93
34) cis-1,2-Dichloroethene	4.444	96	71622	21.90	ppb		98
35) 2-Butanone	4.523	43	42310	20.54	ppb		93
36) Propionitrile	4.645	54	83002m	103.46	ppb		
37) Bromochloromethane	4.847	130	43280	20.51	ppb		97
38) Methacrylonitrile	4.889	67	39763	20.70	ppb		90
39) Tetrahydrofuran	4.962	42	25473	16.90	ppb		95
40) Chloroform	5.029	83	115627	21.27	ppb		91
41) 1,1,1-Trichloroethane	5.298	97	94604	19.29	ppb		89

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:10:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	TAME	6.127	73	219931	22.44	ppb		97
44)	Cyclohexane	5.359	41	55817	17.94	ppb		94
46)	Carbontetrachloride	5.560	117	71544	17.50	ppb		99
47)	1,1-Dichloropropene	5.578	75	85982	19.27	ppb		90
49)	Benzene	5.901	78	267121	19.28	ppb		99
50)	1,2-Dichloroethane	5.968	62	95254	19.19	ppb		96
51)	Iso-Butyl Alcohol	5.974	43	95376m	431.03	ppb		
52)	n-Heptane	6.346	43	66636	16.75	ppb		95
53)	1-Butanol	6.919	56	158992m	1085.50	ppb		
54)	Trichloroethene	6.840	130	65451	16.77	ppb		97
55)	Methylcyclohexane	7.047	55	83943	19.56	ppb		96
56)	1,2-Diclpropane	7.133	63	68081	19.37	ppb		94
57)	Dibromomethane	7.279	93	44888	18.73	ppb		89
58)	1,4-Dioxane	7.346	88	29728	354.29	ppb		85
59)	Methyl Methacrylate	7.352	69	65944	19.04	ppb		96
60)	Bromodichloromethane	7.498	83	79799	17.23	ppb		96
63)	cis-1,3-Dichloropropene	8.035	75	102569	18.39	ppb		95
64)	4-Methyl-2-pentanone	8.248	43	91331	19.57	ppb		98
66)	Toluene	8.389	91	310037	19.58	ppb		99
67)	trans-1,3-Dichloropropene	8.669	75	96839	18.03	ppb		91
68)	Ethyl Methacrylate	8.797	69	111320	18.68	ppb		96
69)	1,1,2-Trichloroethane	8.858	97	69147	20.00	ppb		94
72)	Tetrachloroethene	8.968	164	50230	17.37	ppb		95
73)	2-Hexanone	9.151	43	70074	20.23	ppb		88
74)	1,3-Dichloropropane	9.029	76	120055	19.86	ppb		95
75)	Dibromochloromethane	9.248	129	57507	17.83	ppb		92
76)	N-Butyl Acetate	9.291	43	118119	16.68	ppb		96
77)	1,2-Dibromoethane	9.346	107	68835	18.97	ppb		96
78)	Chlorobenzene	9.827	112	194363	19.56	ppb		94
79)	3-CBTF	9.839	180	89340	16.49	ppb		95
80)	4-CBTF	9.894	180	77122	16.18	ppb		96
81)	1,1,1,2-Tetrachloroethane	9.913	131	61005	17.91	ppb		94
82)	Ethylbenzene	9.937	106	106806	19.51	ppb		95
83)	(m+p)Xylene	10.047	106	266159	40.34	ppb		100
84)	o-Xylene	10.406	106	127766	19.30	ppb		96
85)	Styrene	10.425	104	209104	18.68	ppb		99
87)	Bromoform	10.583	173	32207	15.80	ppb		98
88)	2-CBTF	10.656	180	88559	18.39	ppb		93
89)	Isopropylbenzene	10.736	105	334805	21.80	ppb		100
90)	Cyclohexanone	10.827	55	90250	106.07	ppb		97
91)	trans-1,4-Dichloro-2-B...	11.059	53	27968	21.76	ppb		82
92)	1,1,2,2-Tetrachloroethane	11.016	83	100291	23.01	ppb		99
93)	Bromobenzene	10.992	156	77214	18.70	ppb	#	85
94)	1,2,3-Trichloropropane	11.040	110	33630	19.97	ppb		94
95)	n-Propylbenzene	11.089	91	396266	22.59	ppb		99
96)	2-Chlorotoluene	11.156	91	237540	20.73	ppb		94
97)	3-Chlorotoluene	11.211	91	240989	21.33	ppb		96
98)	4-Chlorotoluene	11.254	91	273216	20.99	ppb		98
99)	1,3,5-Trimethylbenzene	11.242	105	284187	21.23	ppb		98
100)	tert-Butylbenzene	11.510	119	237450	20.88	ppb		99
101)	1,2,4-Trimethylbenzene	11.553	105	280729	21.08	ppb		98
102)	3,4-DCBTF	11.614	214	66254	16.90	ppb		97
103)	sec-Butylbenzene	11.693	105	361694	22.34	ppb		96
104)	p-Isopropyltoluene	11.815	119	295718	21.15	ppb		97
105)	1,3-Dclbenz	11.778	146	163125	20.92	ppb		95
106)	1,4-Dclbenz	11.857	146	161458	19.63	ppb		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:10:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
107) 2,4-DCBTF	11.906	214	60426	17.28	ppb		97
108) 2,5-DCBTF	11.949	214	68022	16.86	ppb		97
109) n-Butylbenzene	12.144	91	271393	21.58	ppb		99
110) 1,2-Dclbenz	12.156	146	161325	20.06	ppb		96
111) 1,2-Dibromo-3-chloropr...	12.784	157	21105	16.74	ppb	#	81
112) Trielution Dichlorotol...	12.900	125	425534	59.06	ppb		97
113) 1,3,5 Trichlorobenzene	12.943	180	108139	18.12	ppb		93
114) Coelution Dichlorotoluene	13.223	125	318342	40.82	ppb		97
115) 1,2,4-Tcbenzene	13.430	180	117657	19.38	ppb		93
116) Hexachlorobt	13.558	225	41429	17.26	ppb		94
117) Naphthalen	13.625	128	415908	22.33	ppb		99
118) 1,2,3-Tclbenzene	13.808	180	114119	18.61	ppb		97
119) 2,4,5-Trichlorotolene	14.393	159	82576	18.62	ppb		89
120) 2,3,6-Trichlorotoluene	14.473	159	79331	19.85	ppb		95

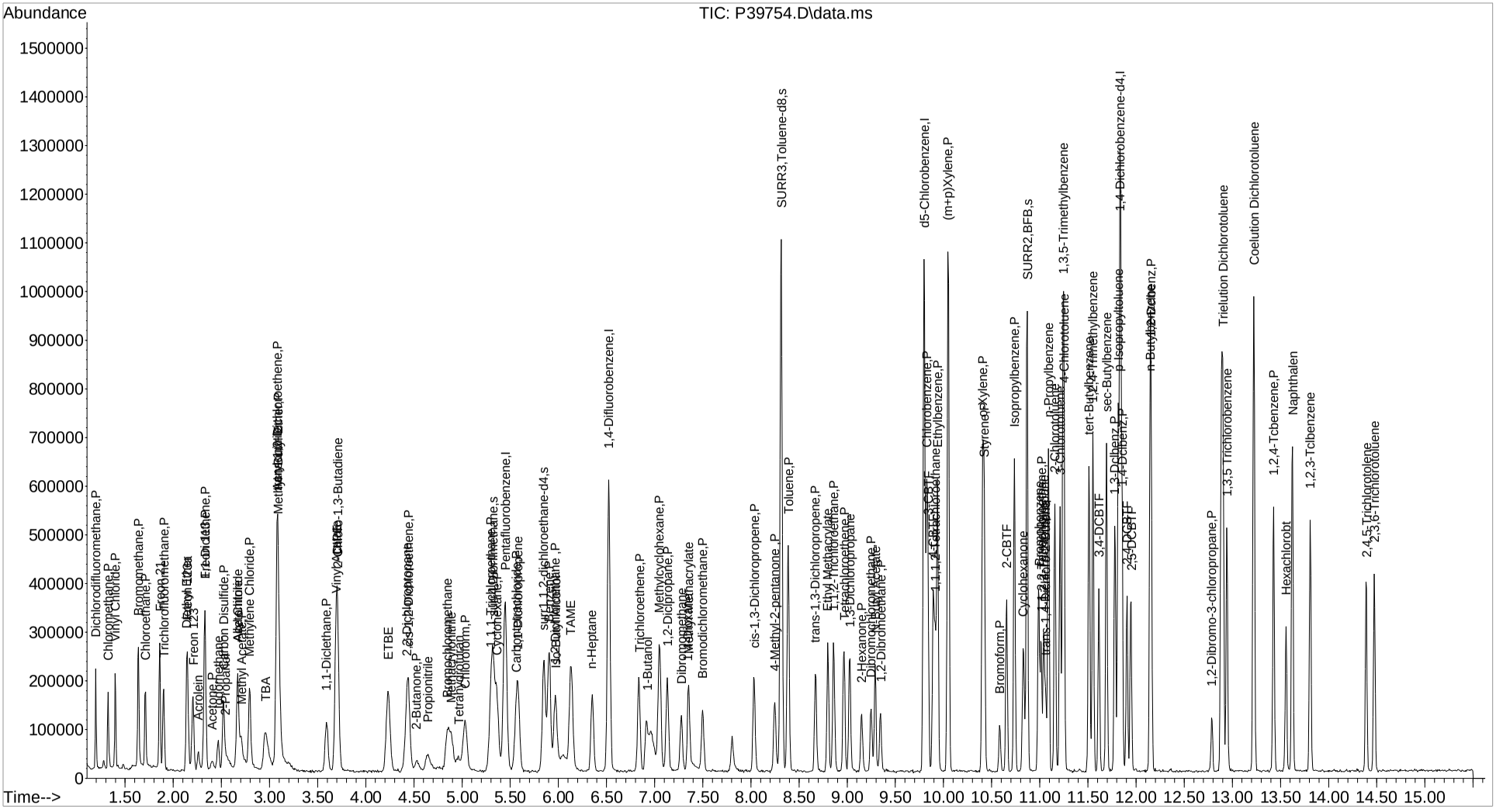
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 10:10:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

1st 09/18/20
2nd 09/22/20

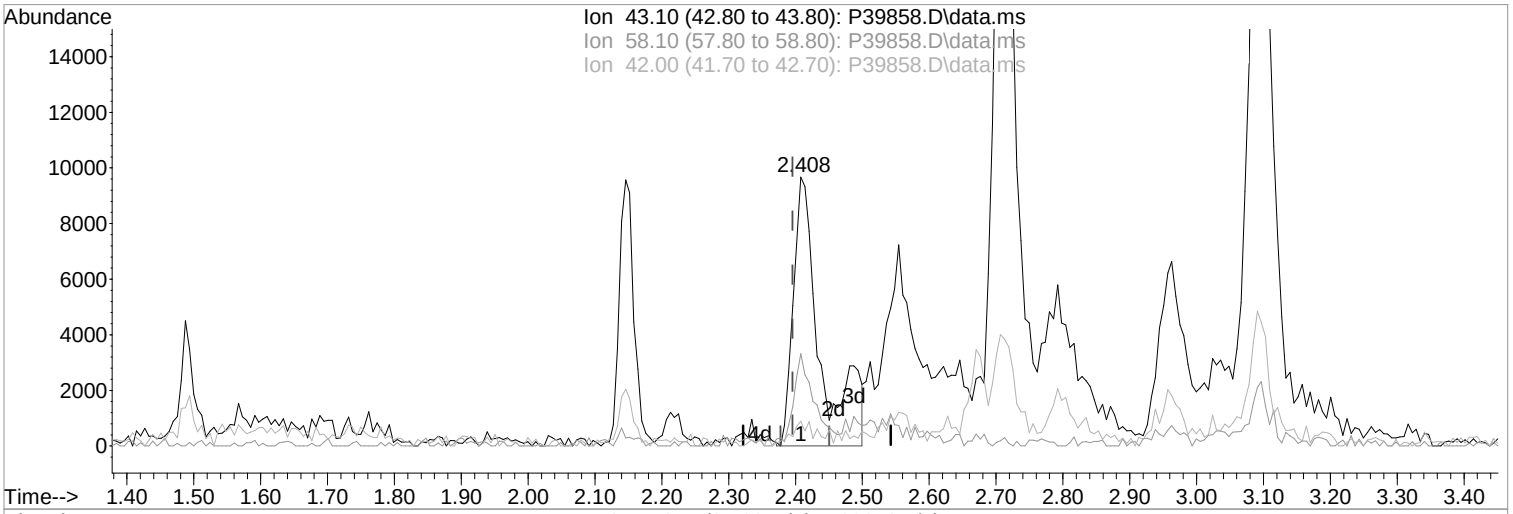


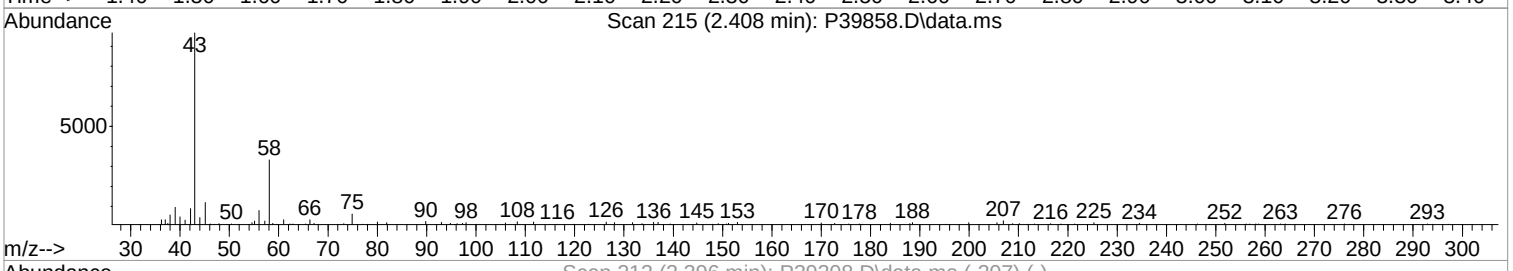
1st 09/21/20
2nd 09/24/20

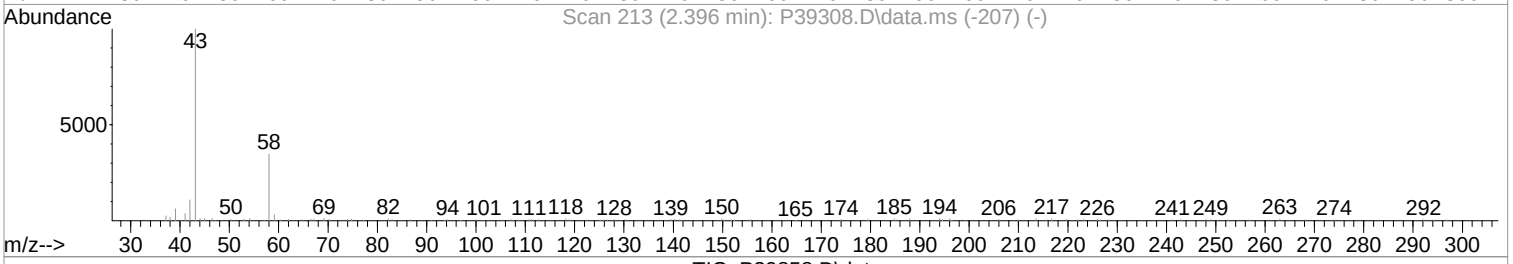
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(15) Acetone (P)

2.408min (+0.012) 17.22 ppb m

response 27117

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	34.33
42.00	11.40	9.25
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

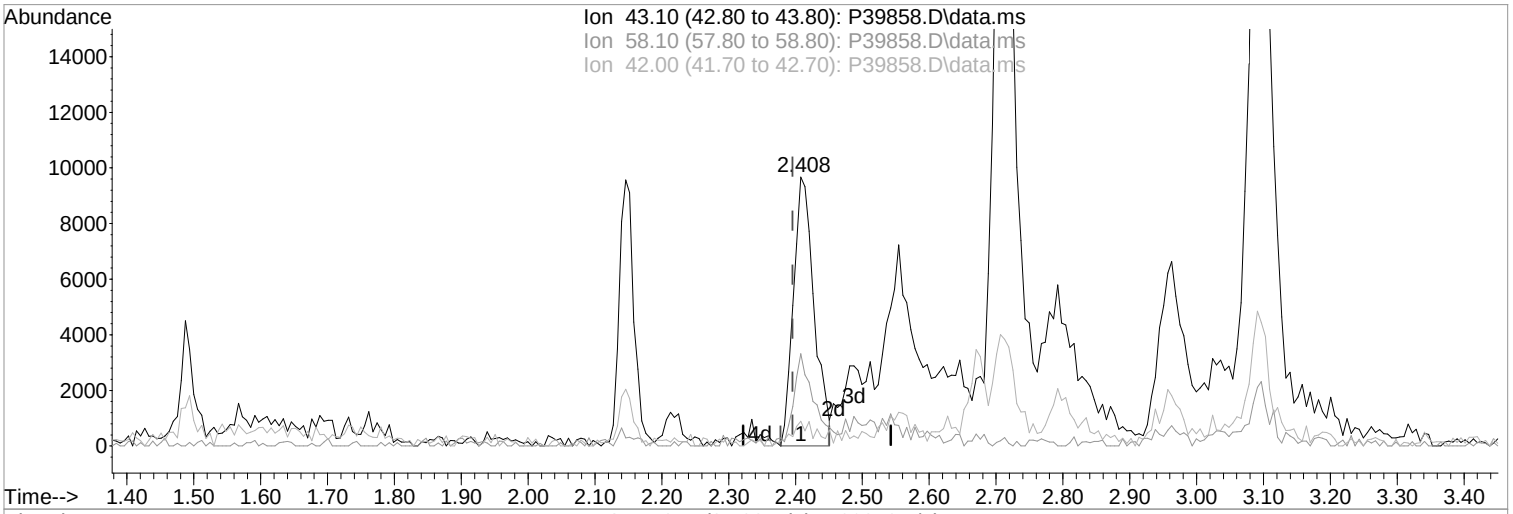
09/21/20

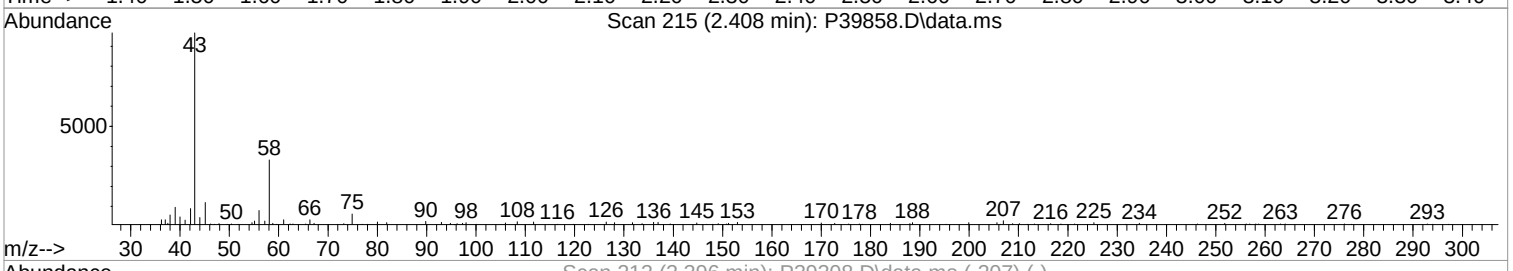
1st 09/21/20
2nd 09/24/20

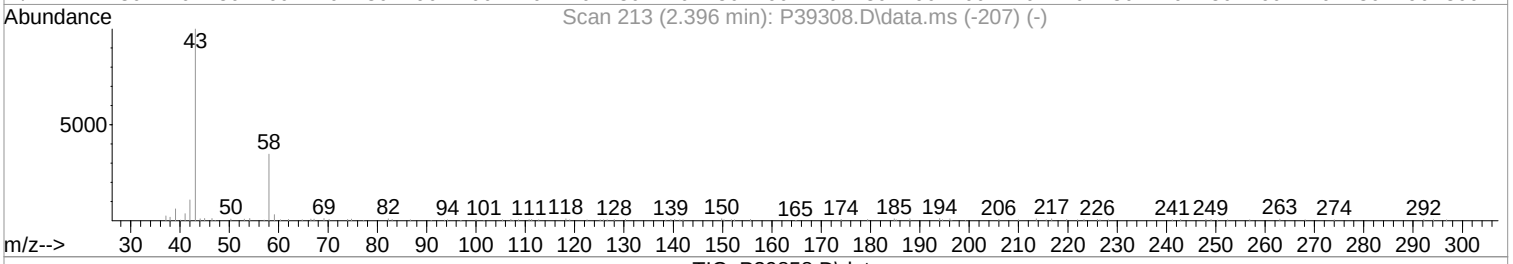
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(15) Acetone (P)

2.408min (+0.012) 13.22 ppb

response 20817

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	35.91
42.00	11.40	9.25
0.00	0.00	0.00

Manual Integration:

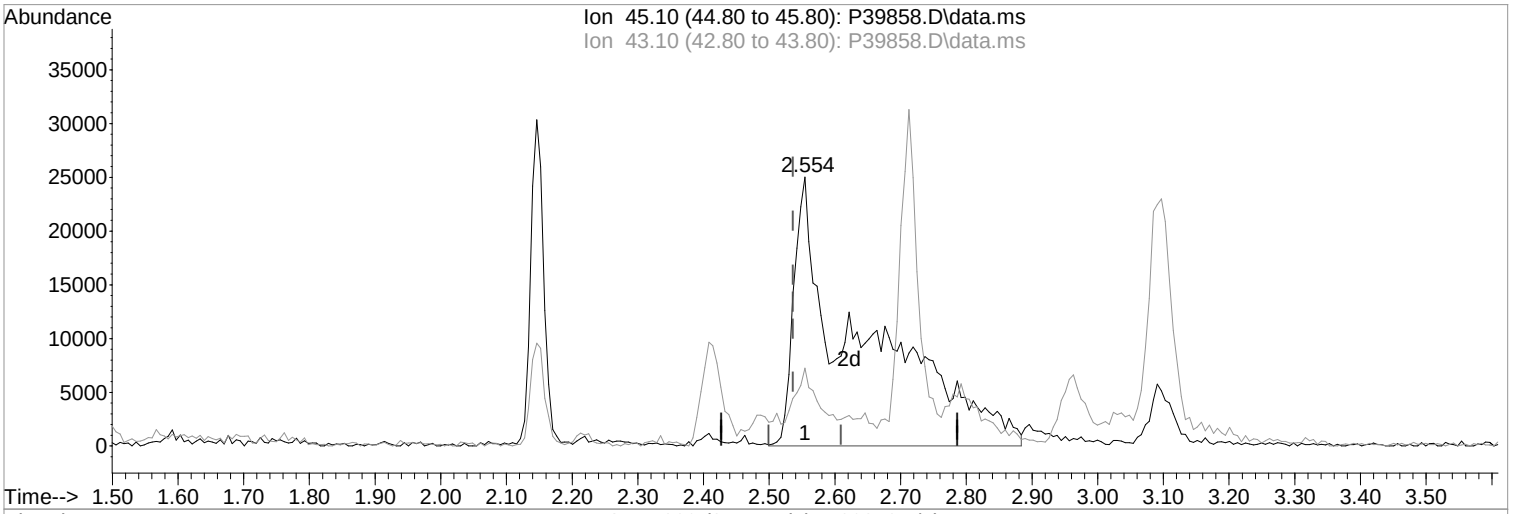
Before

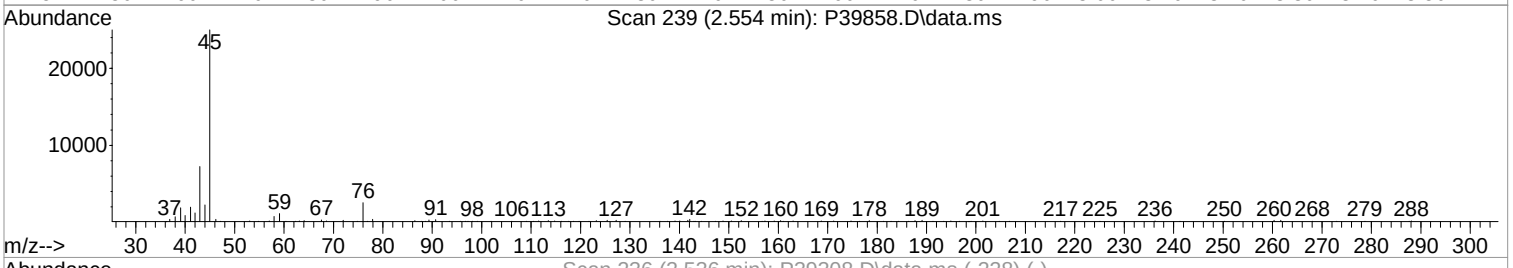
09/21/20

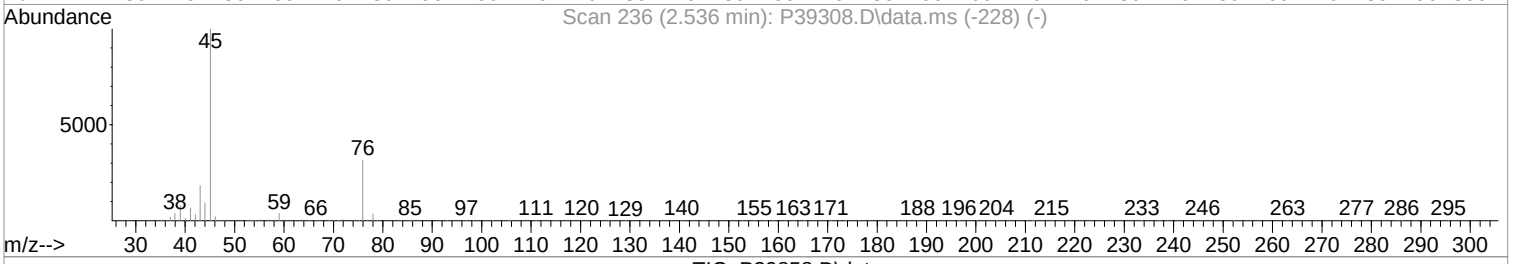
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 458.30 ppb m

response 179451

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	28.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

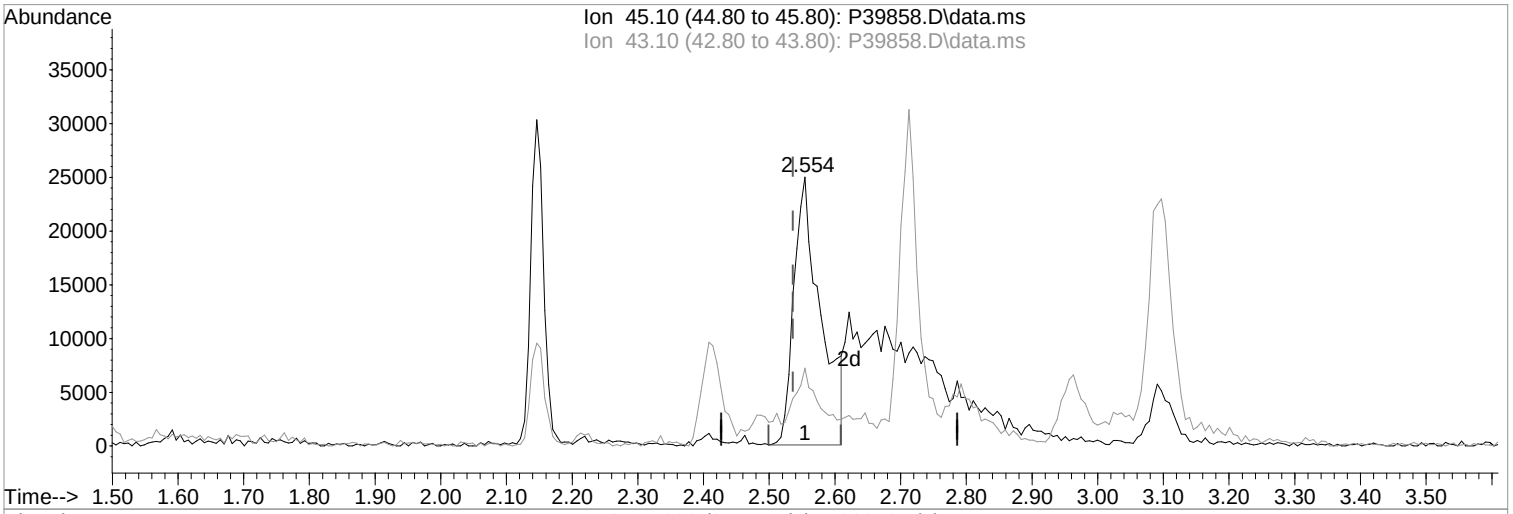
09/21/20

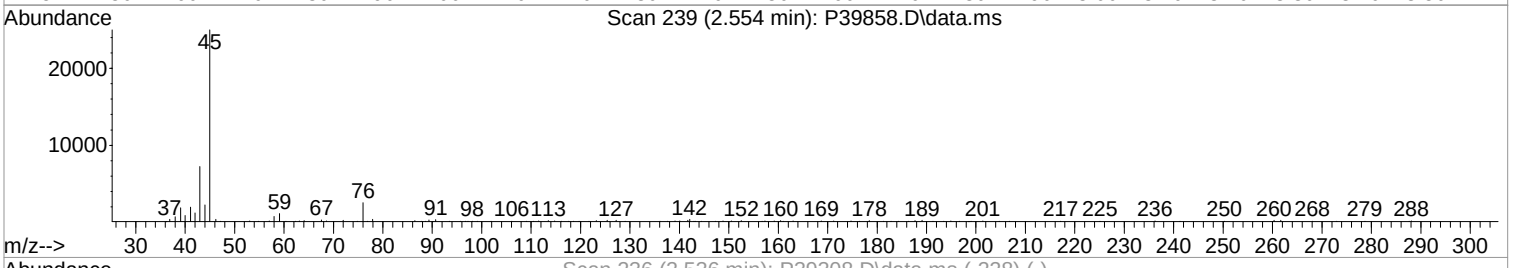
1st 09/21/20
2nd 09/24/20

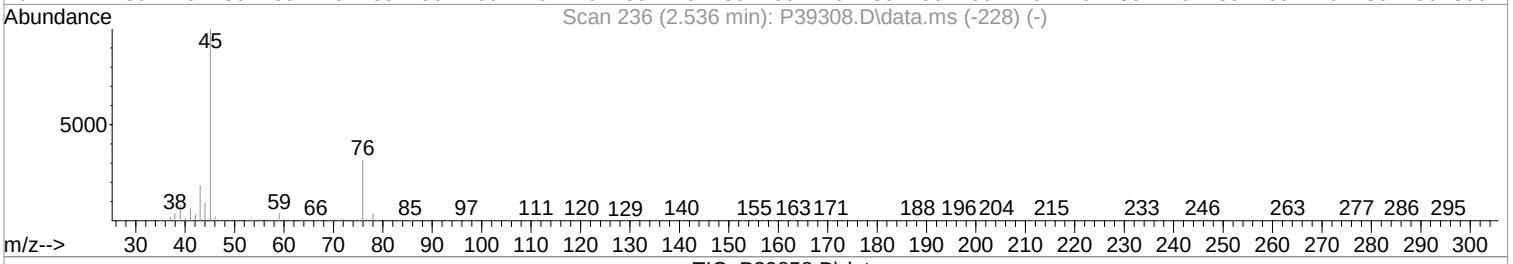
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 178.76 ppb

response 69996

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	28.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

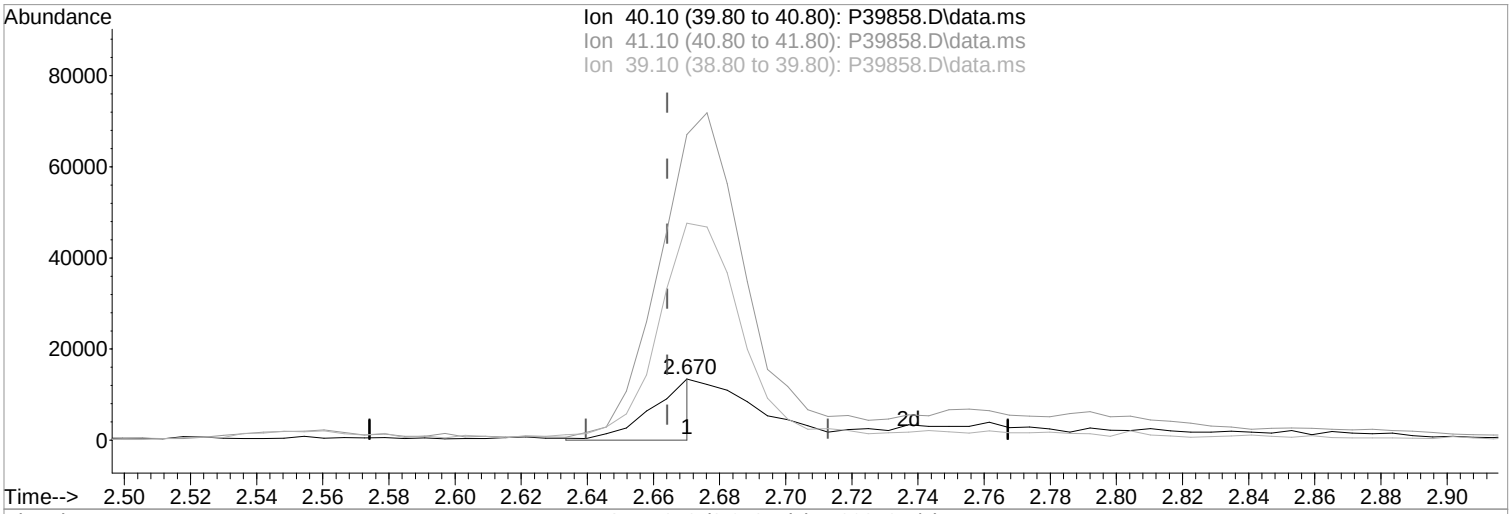
09/21/20

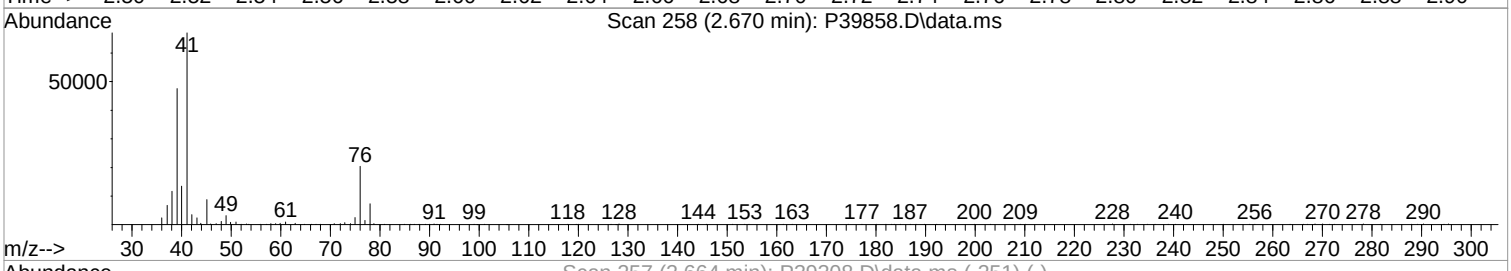
1st 09/21/20
2nd 09/24/20

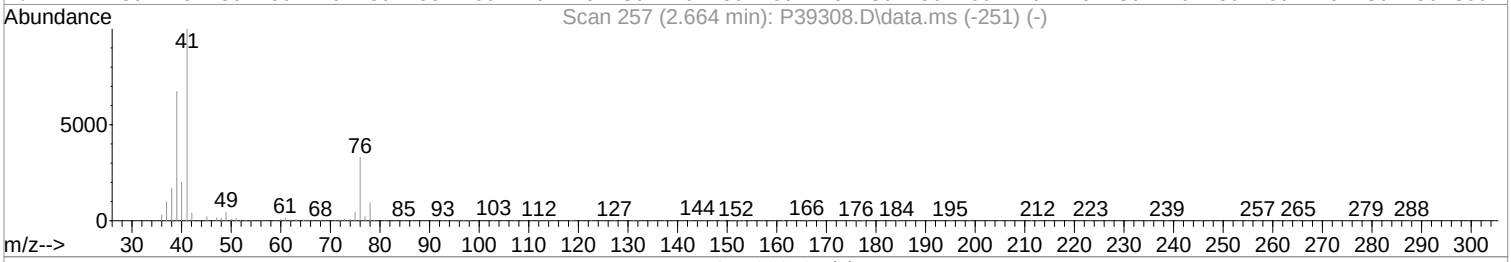
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 96.89 ppb m

response 12193

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	500.02
39.10	343.30	354.83
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

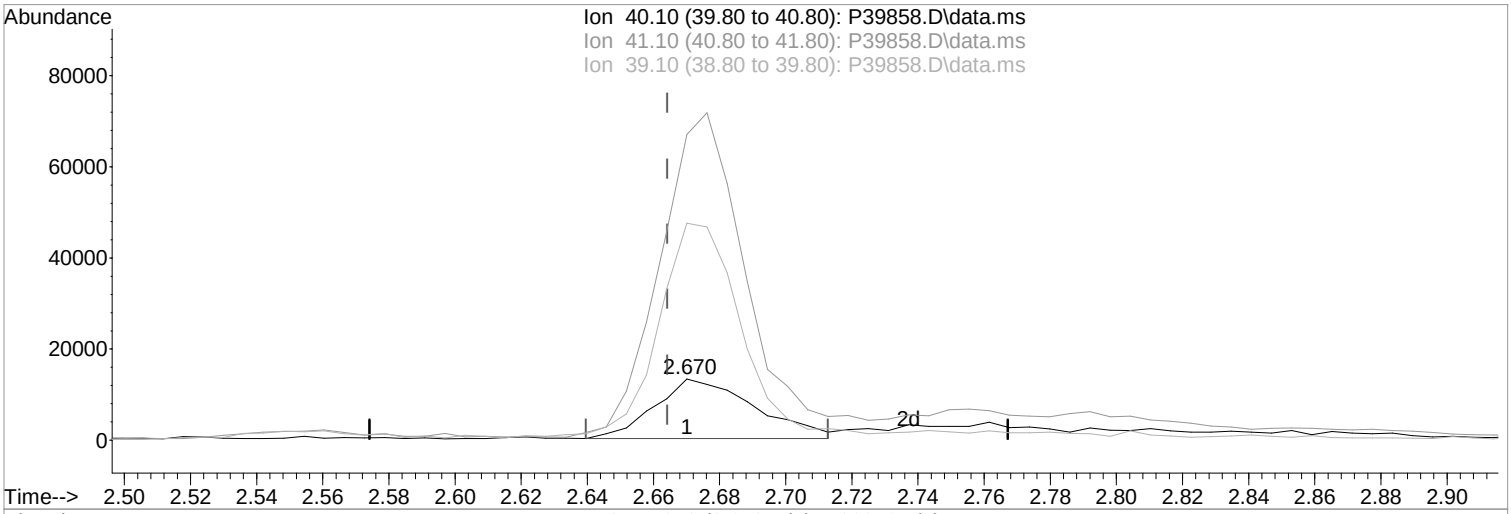
09/21/20

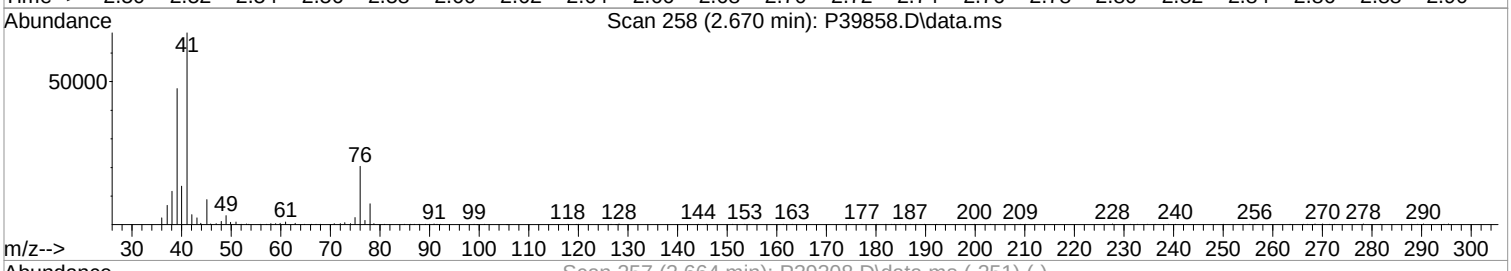
1st 09/21/20
2nd 09/24/20

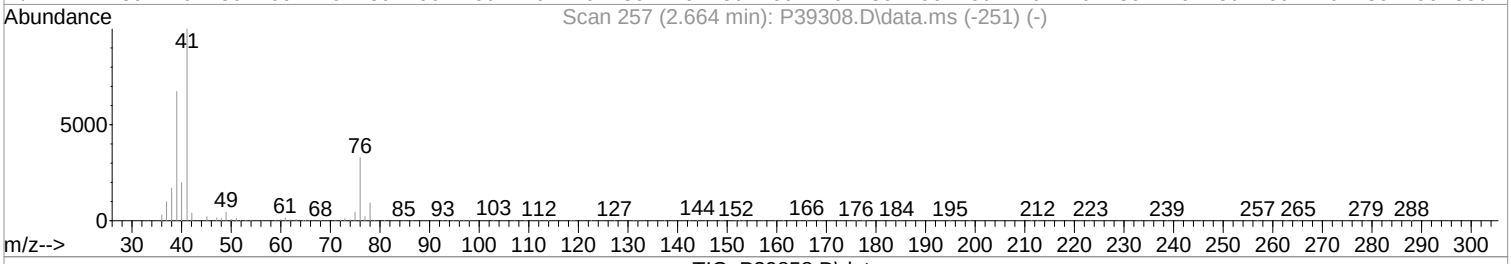
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 219.13 ppb

response 27577

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	500.02
39.10	343.30	354.83
0.00	0.00	0.00

Manual Integration:

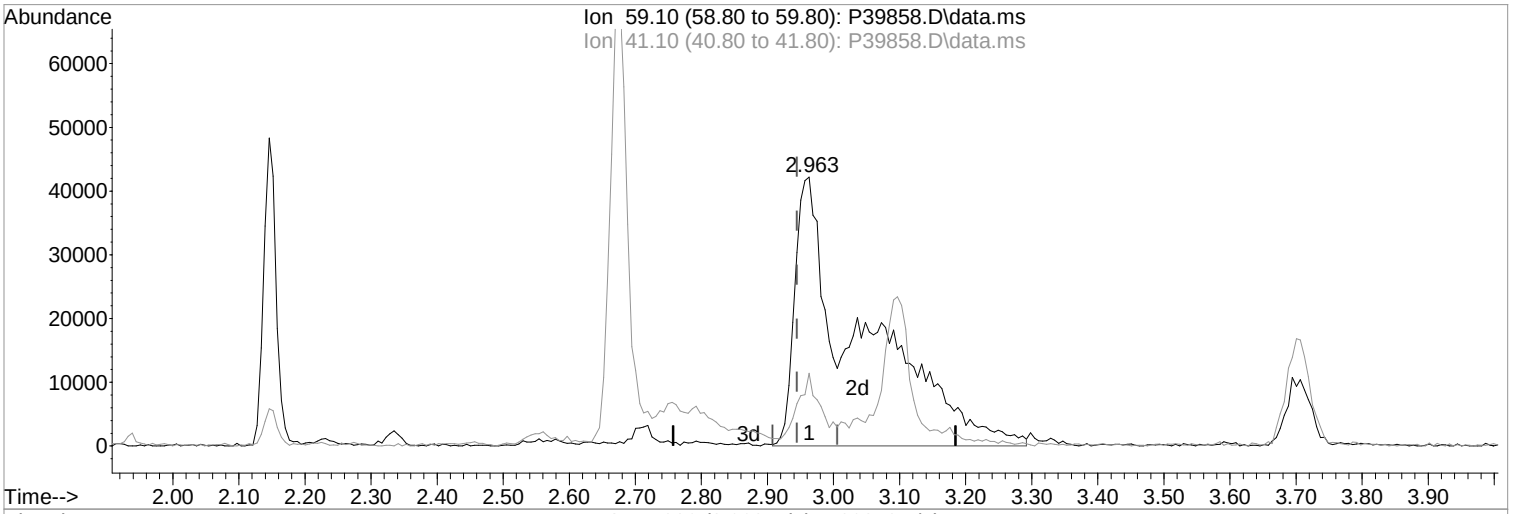
Before

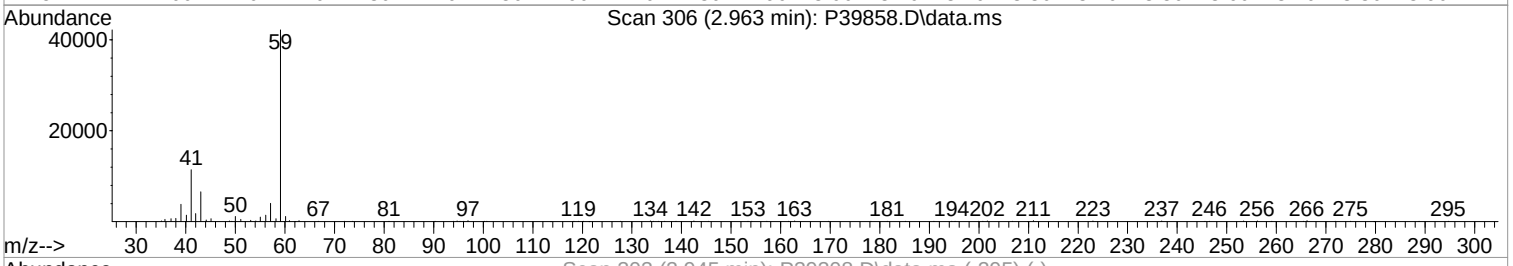
09/21/20

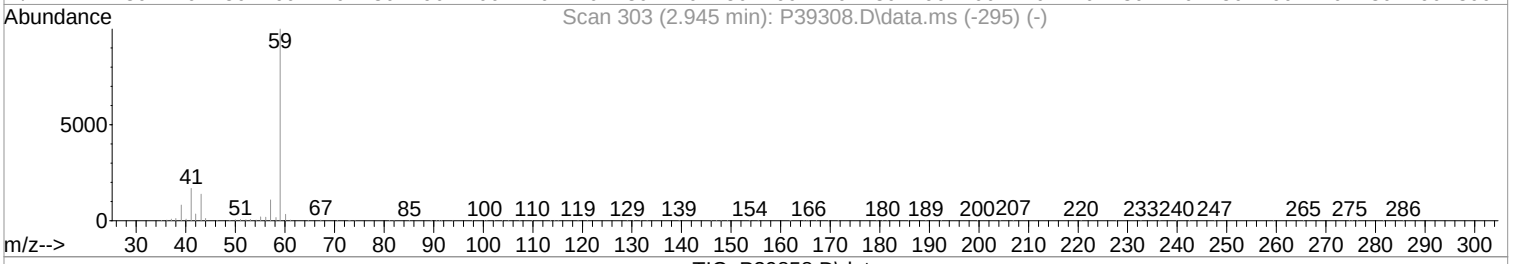
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(23) TBA

2.963min (+0.018) 399.88 ppb m

response 292911

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	27.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

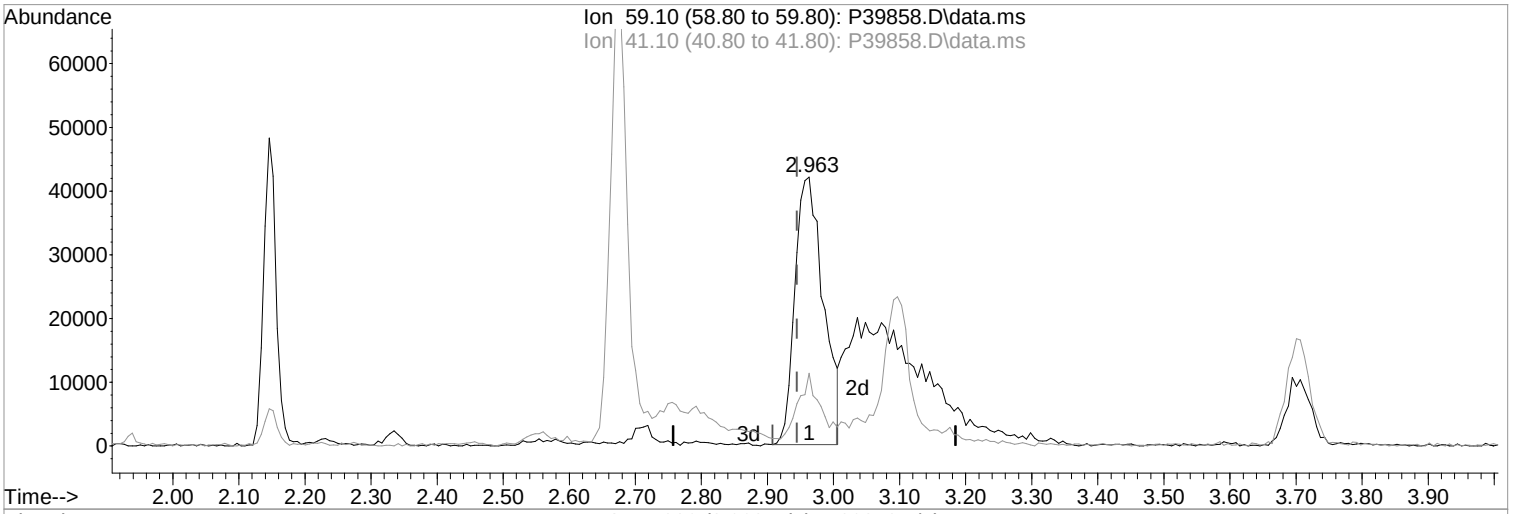
Poor integration.

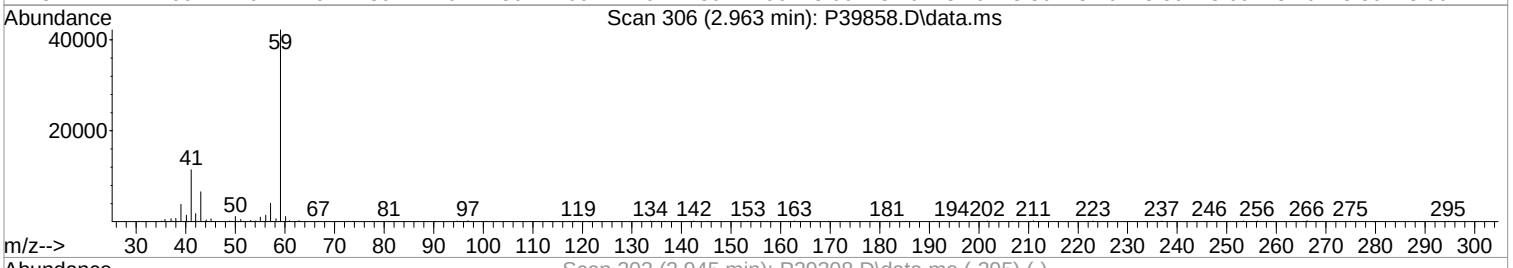
09/21/20

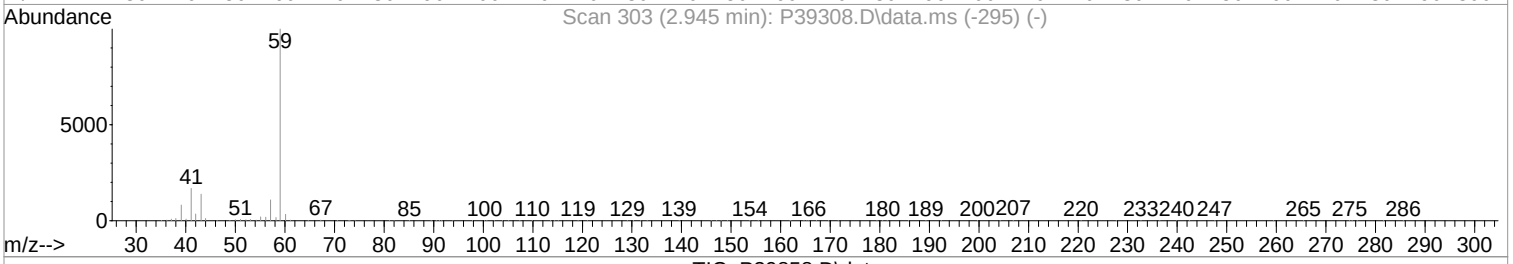
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(23) TBA

2.963min (+0.018) 171.17 ppb

response 125380

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	27.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

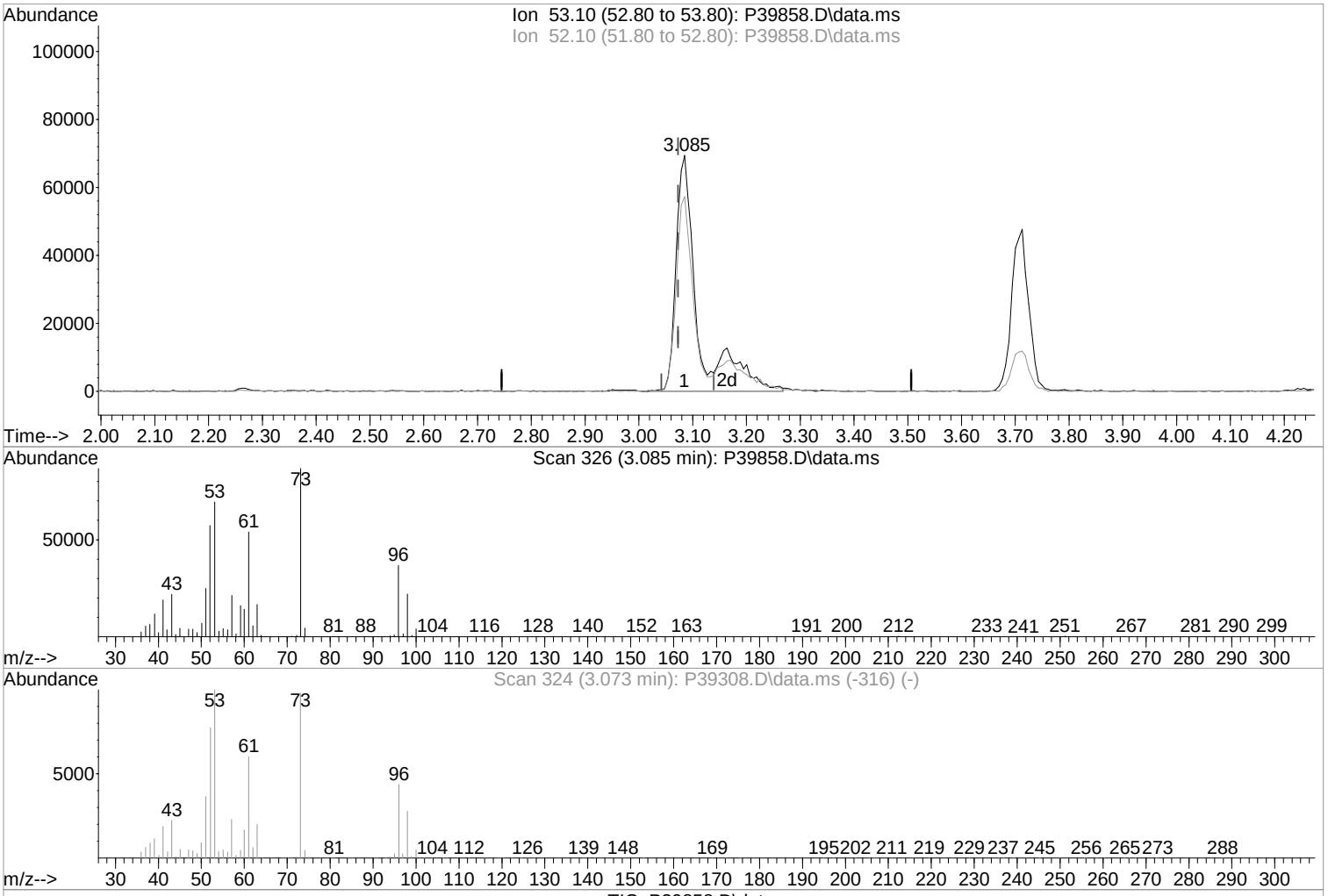
09/21/20

1st 09/21/20
2nd 09/24/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39858.D\data.ms

(24) Acrylonitrile

3.085min (+0.012) 111.80 ppb m

response 195101

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	82.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

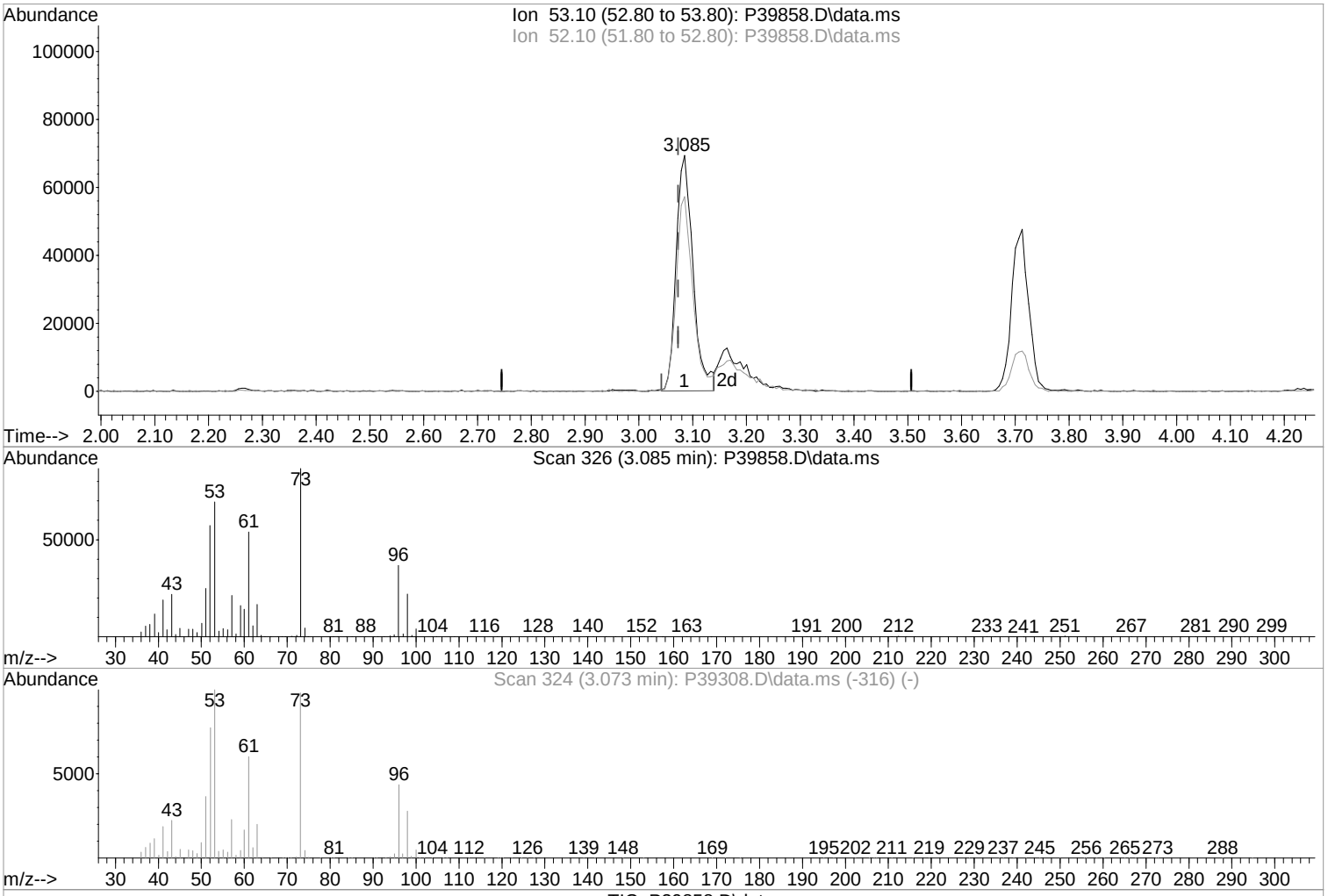
09/21/20

1st 09/21/20
2nd 09/24/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39858.D\data.ms

(24) Acrylonitrile

3.085min (+0.012) 86.29 ppb

response 150581

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	82.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

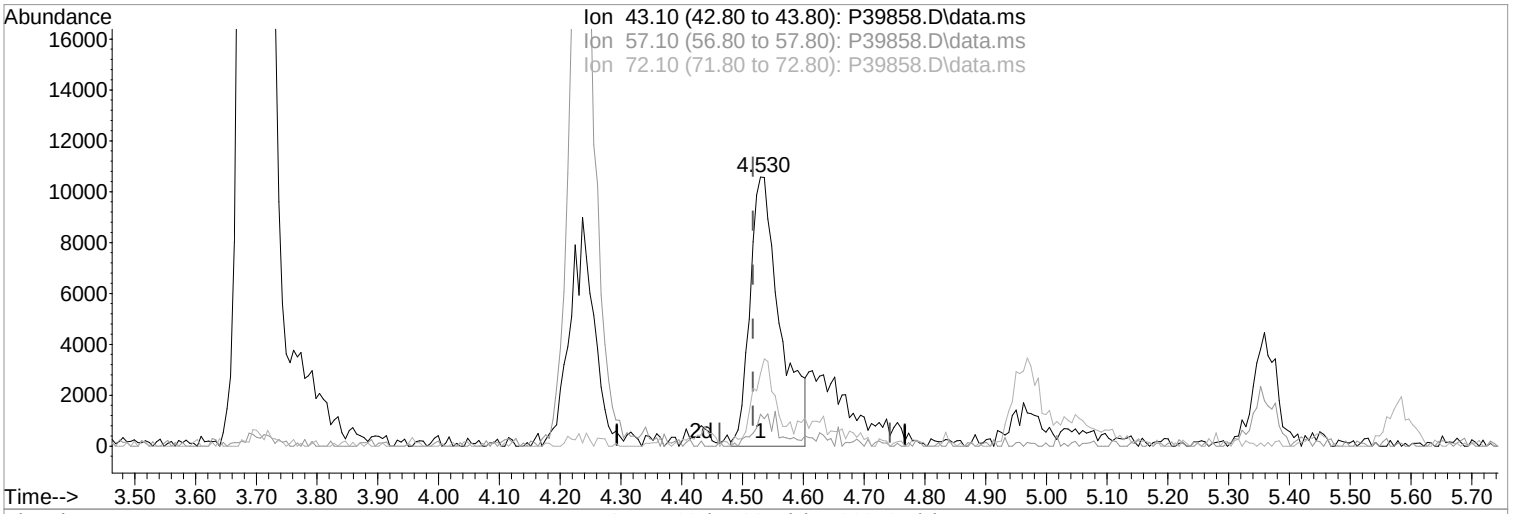
09/21/20

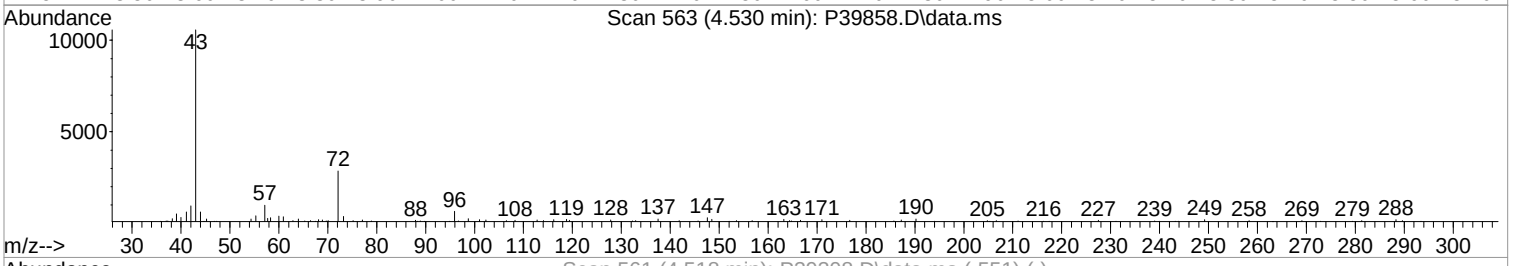
1st 09/21/20
2nd 09/24/20

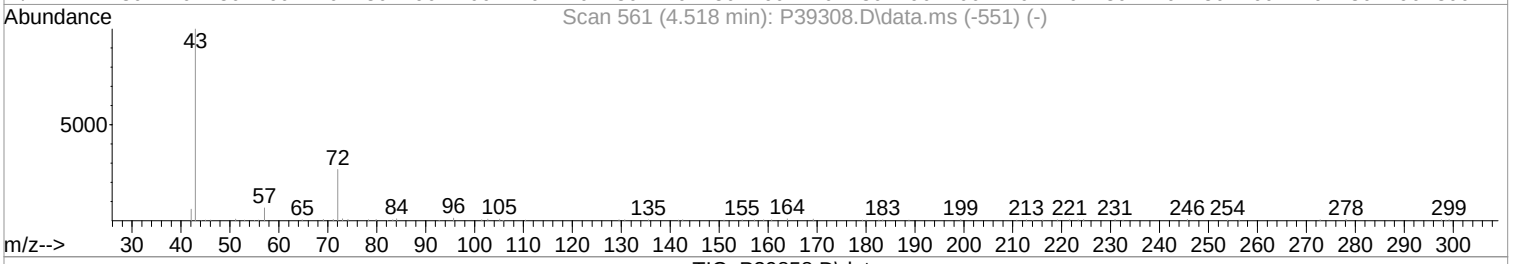
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(35) 2-Butanone (P)

4.530min (+0.012) 17.07 ppb m

response 36357

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	9.28
72.10	28.40	26.95
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

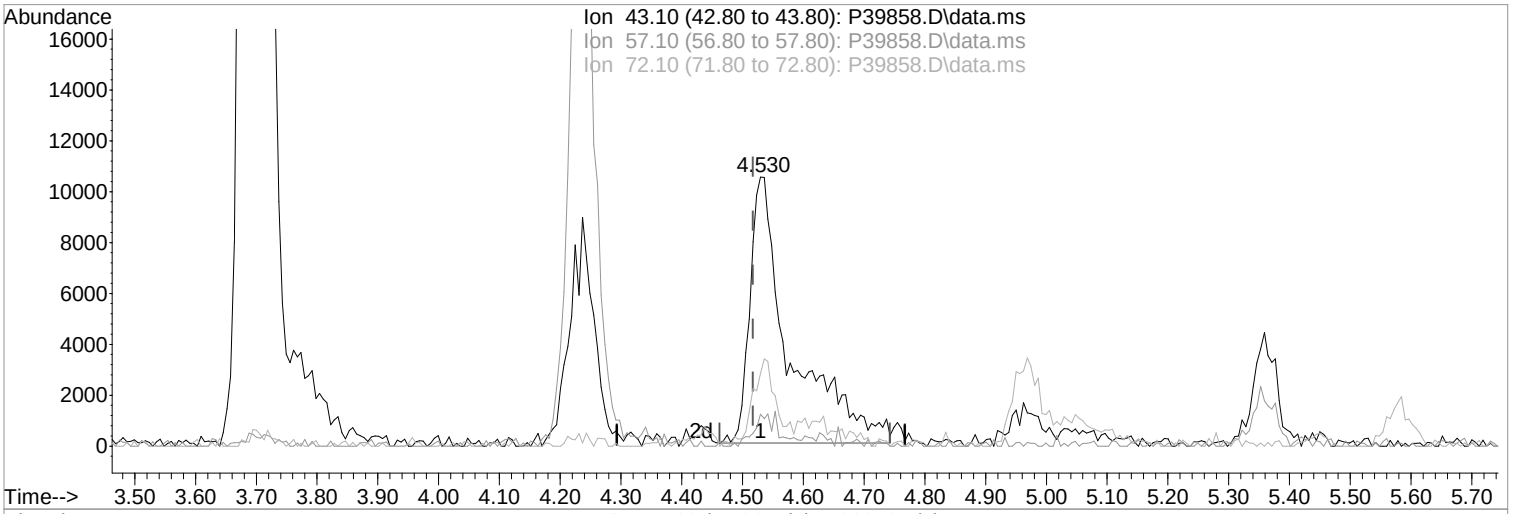
09/21/20

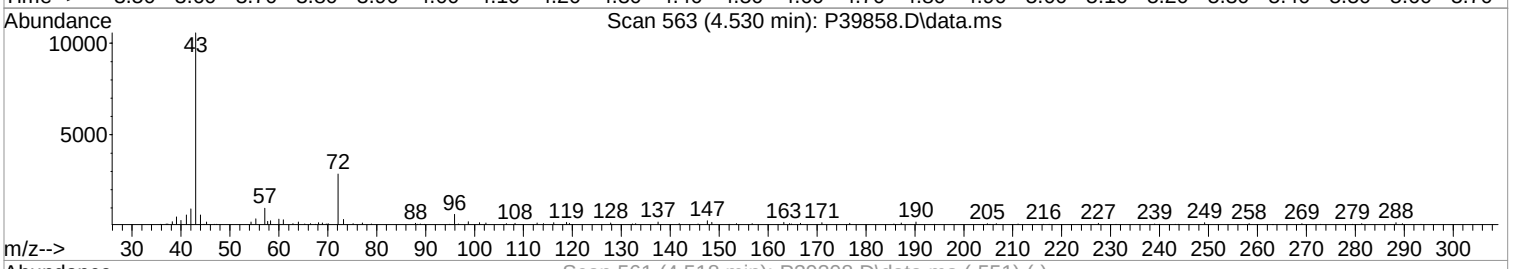
1st 09/21/20
2nd 09/24/20

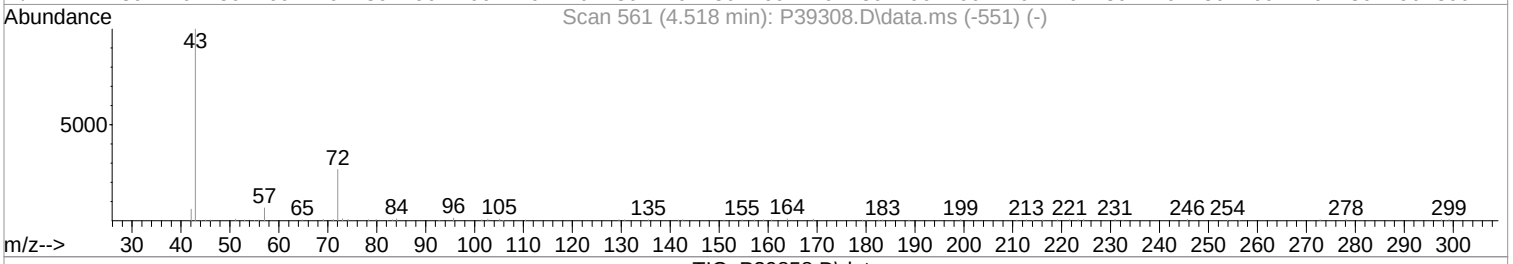
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(35) 2-Butanone (P)

4.530min (+0.012) 22.81 ppb

response 48595

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	11.85
72.10	28.40	26.95
0.00	0.00	0.00

Manual Integration:

Before

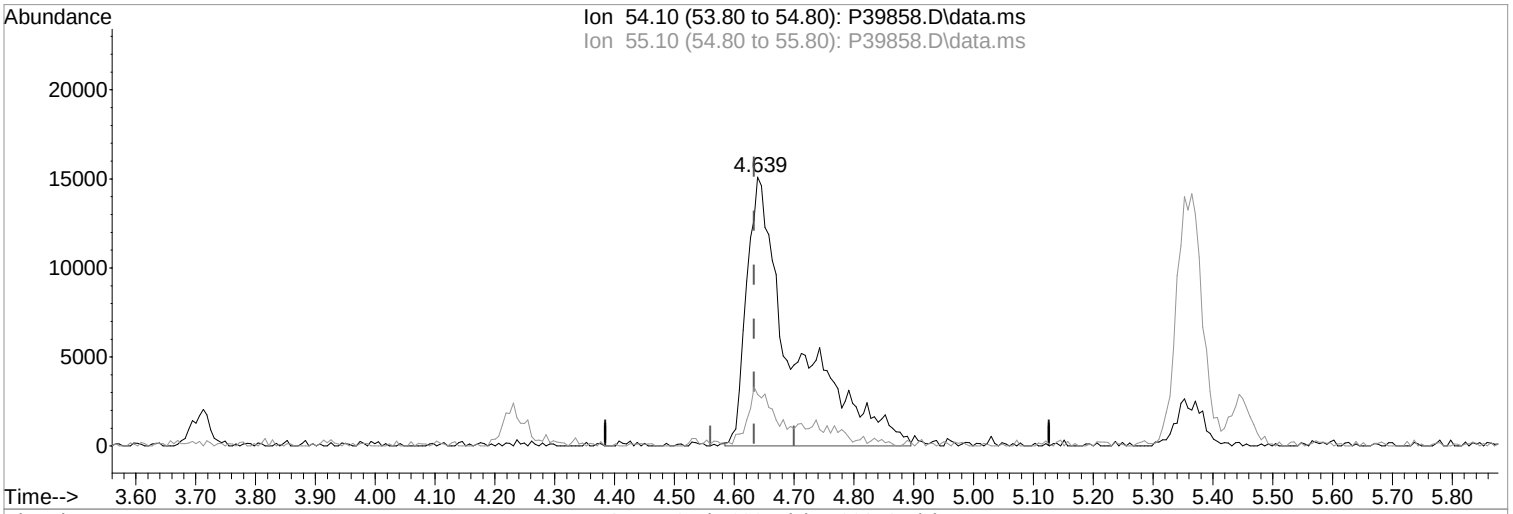
09/21/20

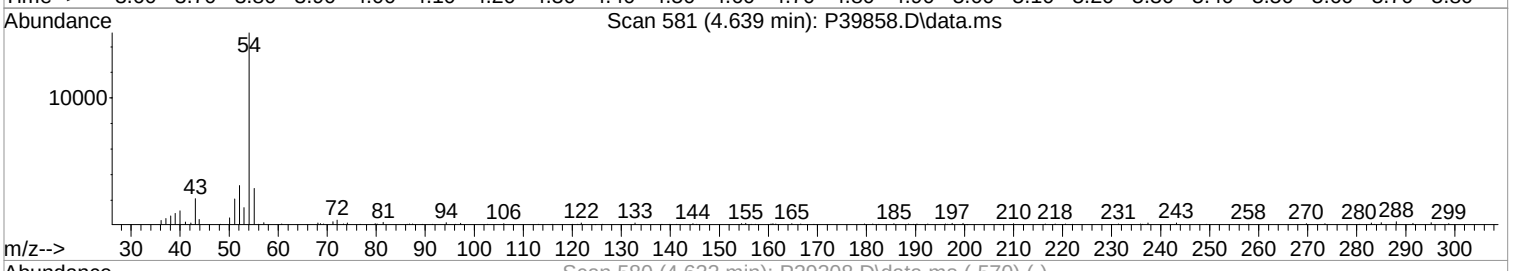
1st 09/21/20
2nd 09/24/20

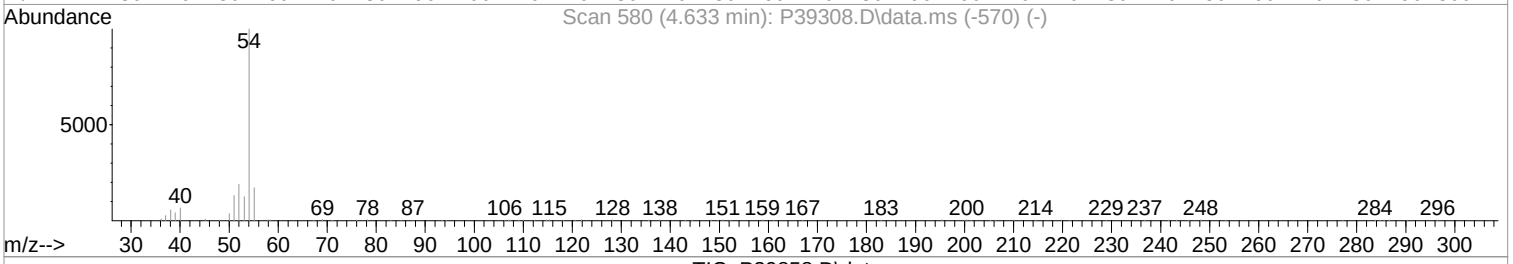
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(36) Propionitrile

4.639min (+0.006) 100.68 ppb m

response 83516

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	19.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

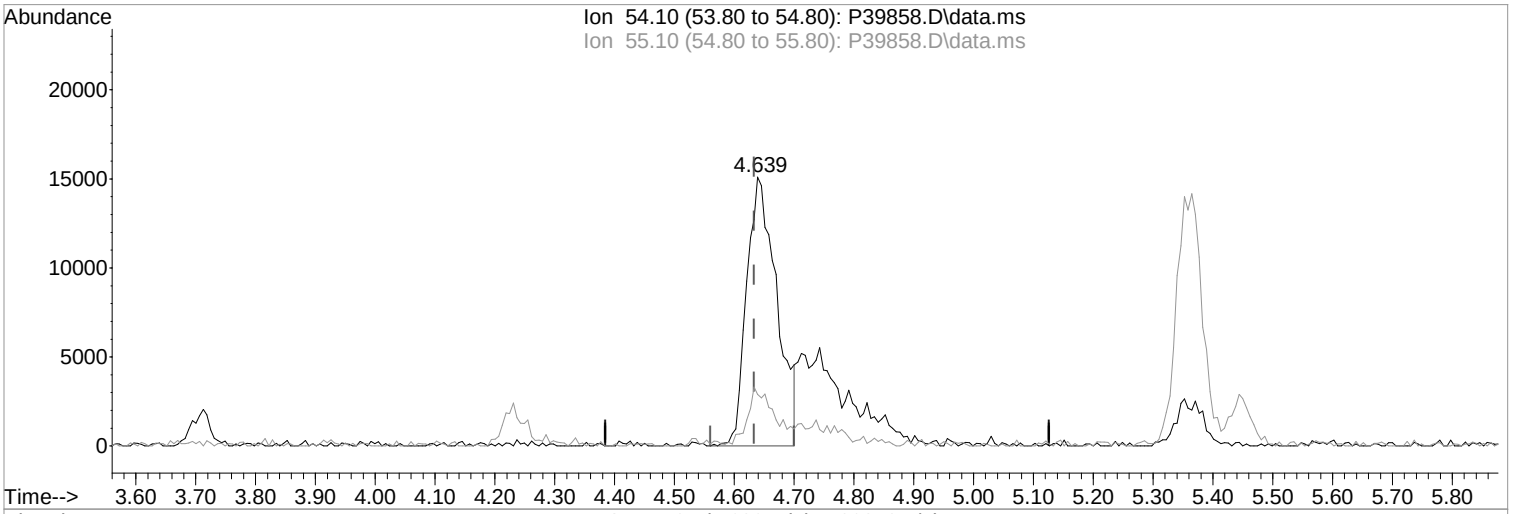
09/21/20

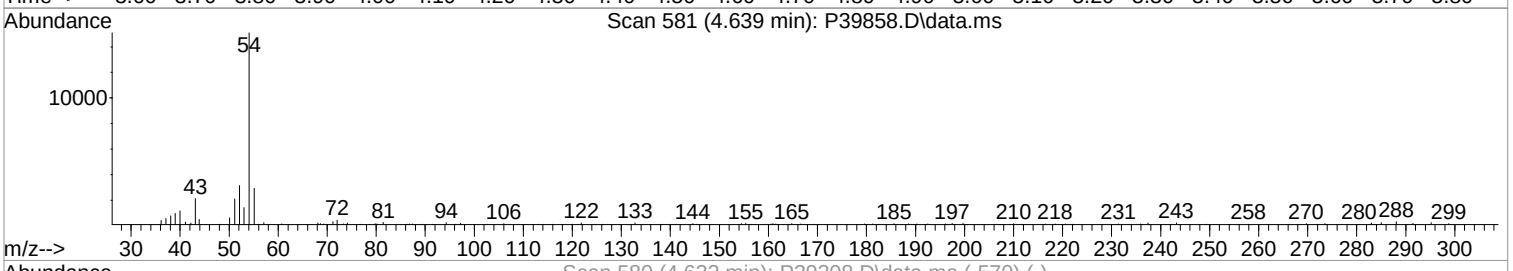
1st 09/21/20
2nd 09/24/20

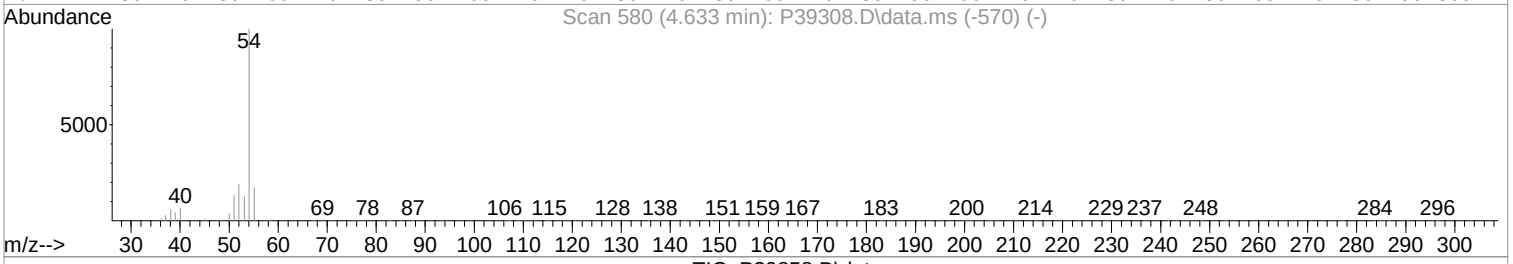
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(36) Propionitrile

4.639min (+0.006) 63.66 ppb

response 52807

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	19.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

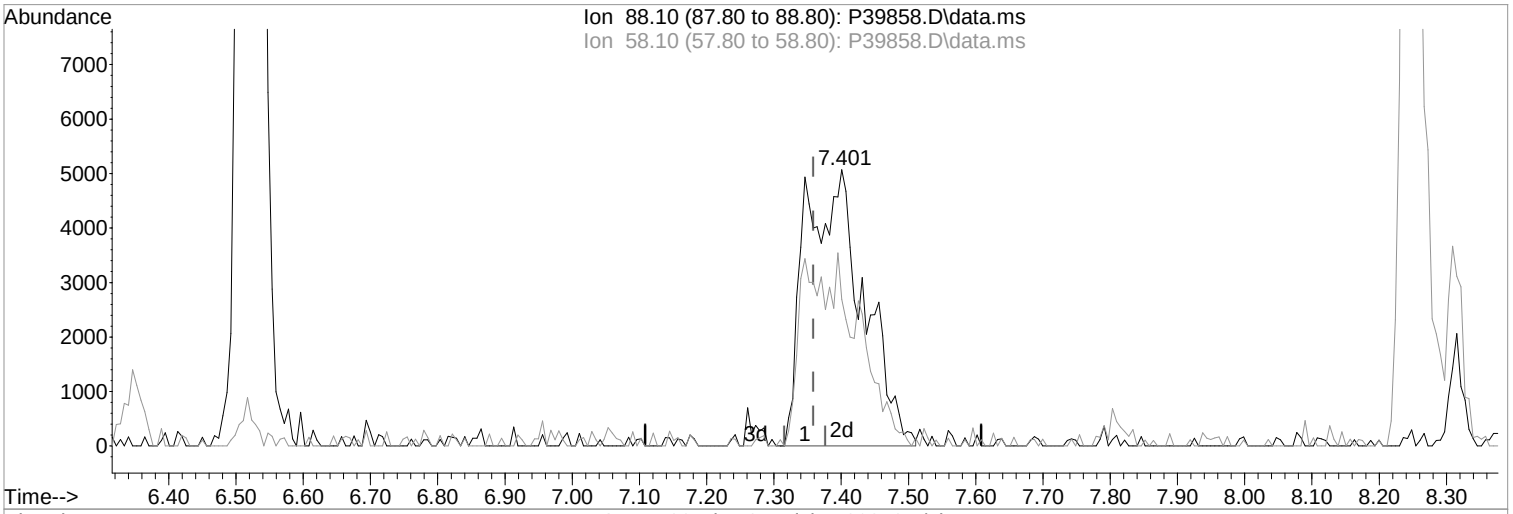
Before

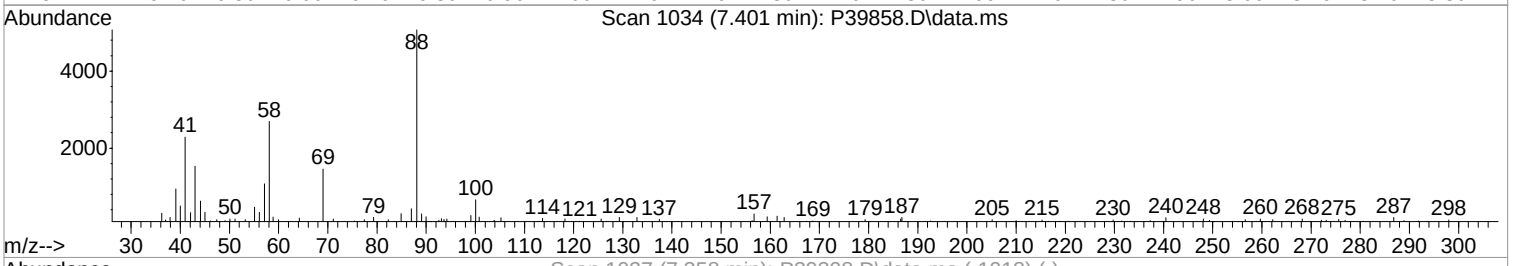
09/21/20

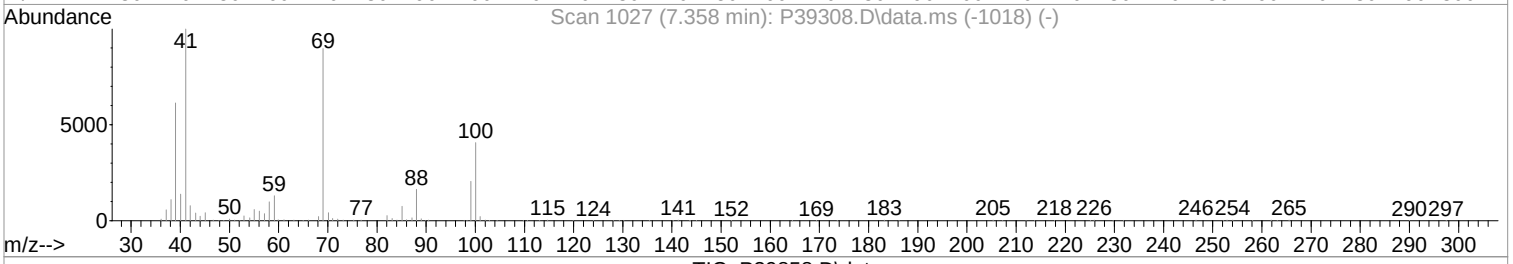
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(58) 1,4-Dioxane

7.401min (+0.042) 360.62 ppb m

response 30378

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	53.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

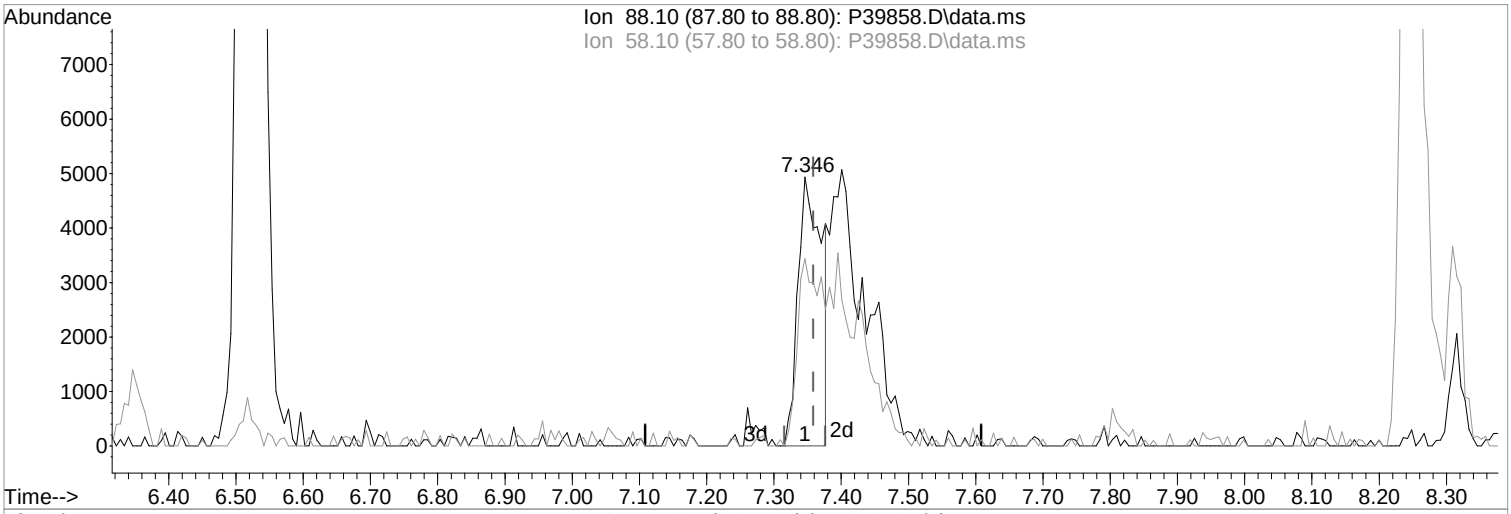
Split Peak

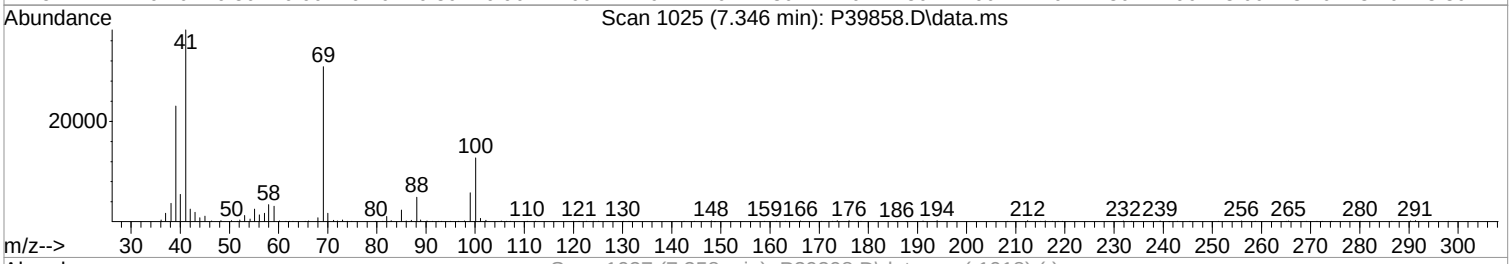
09/21/20

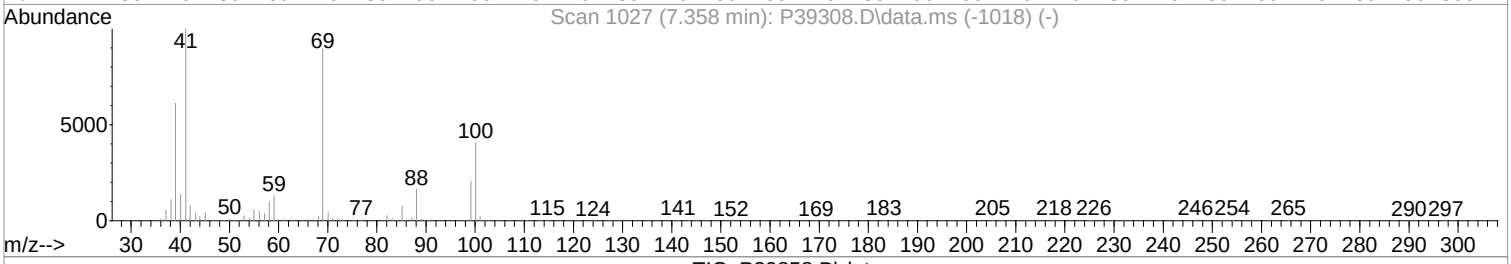
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(58) 1,4-Dioxane

7.346min (-0.012) 143.23 ppb

response 12065

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	69.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

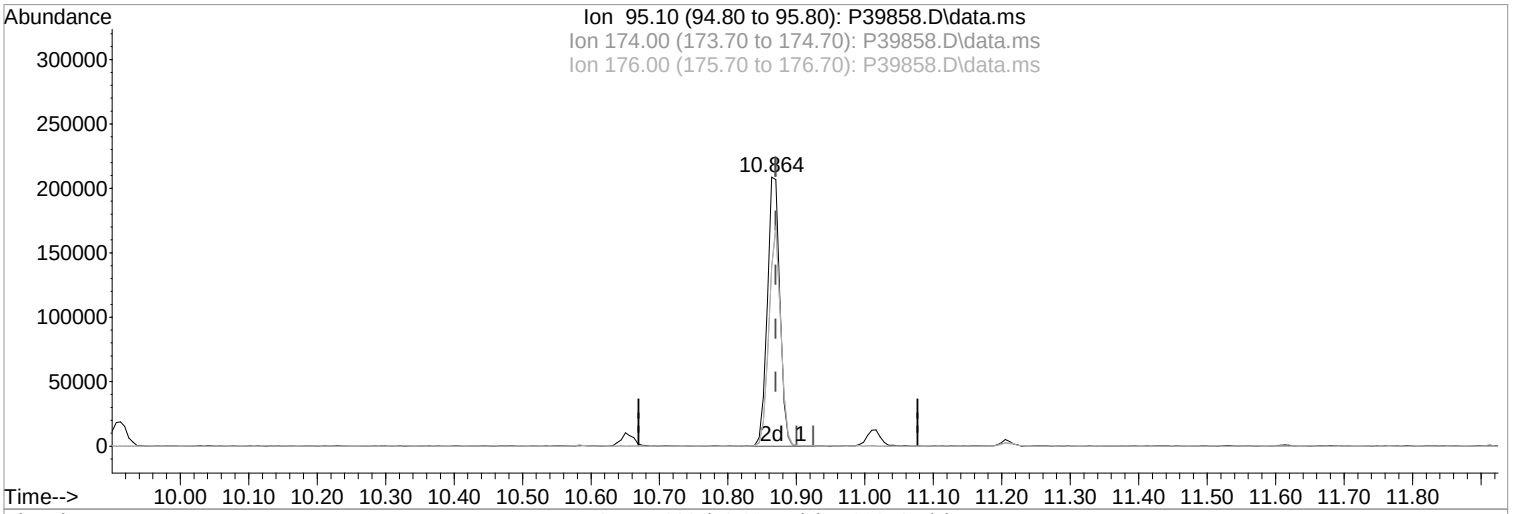
Before

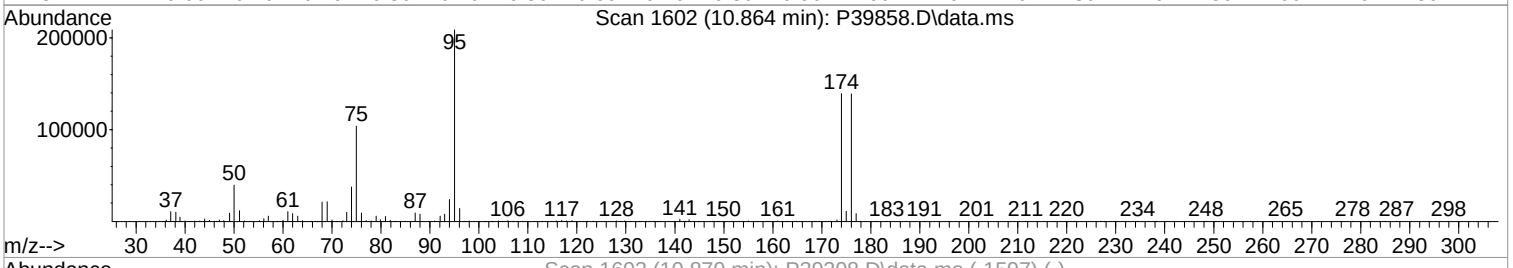
09/21/20

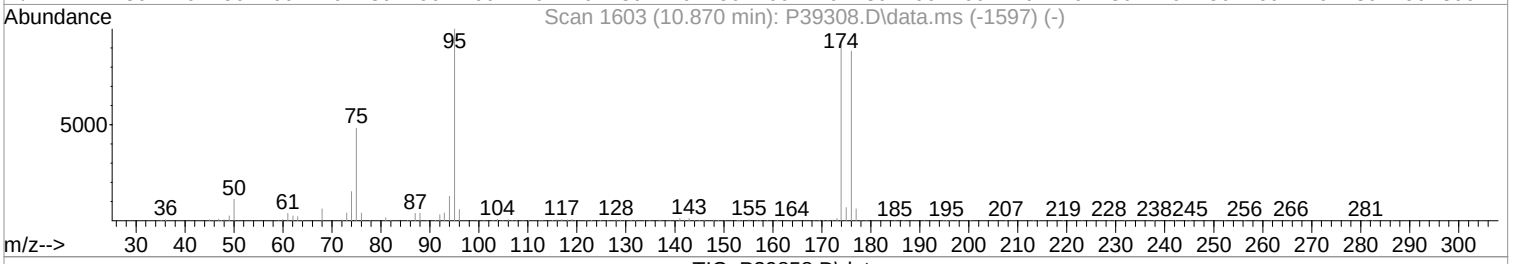
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
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Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39858.D\data.ms

(70) SURR2,BFB (s)

10.864min (-0.006) 49.00 ppb m

response 266171

Ion	Exp%	Act%
95.10	100	100
174.00	91.80	66.71#
176.00	88.40	66.52#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

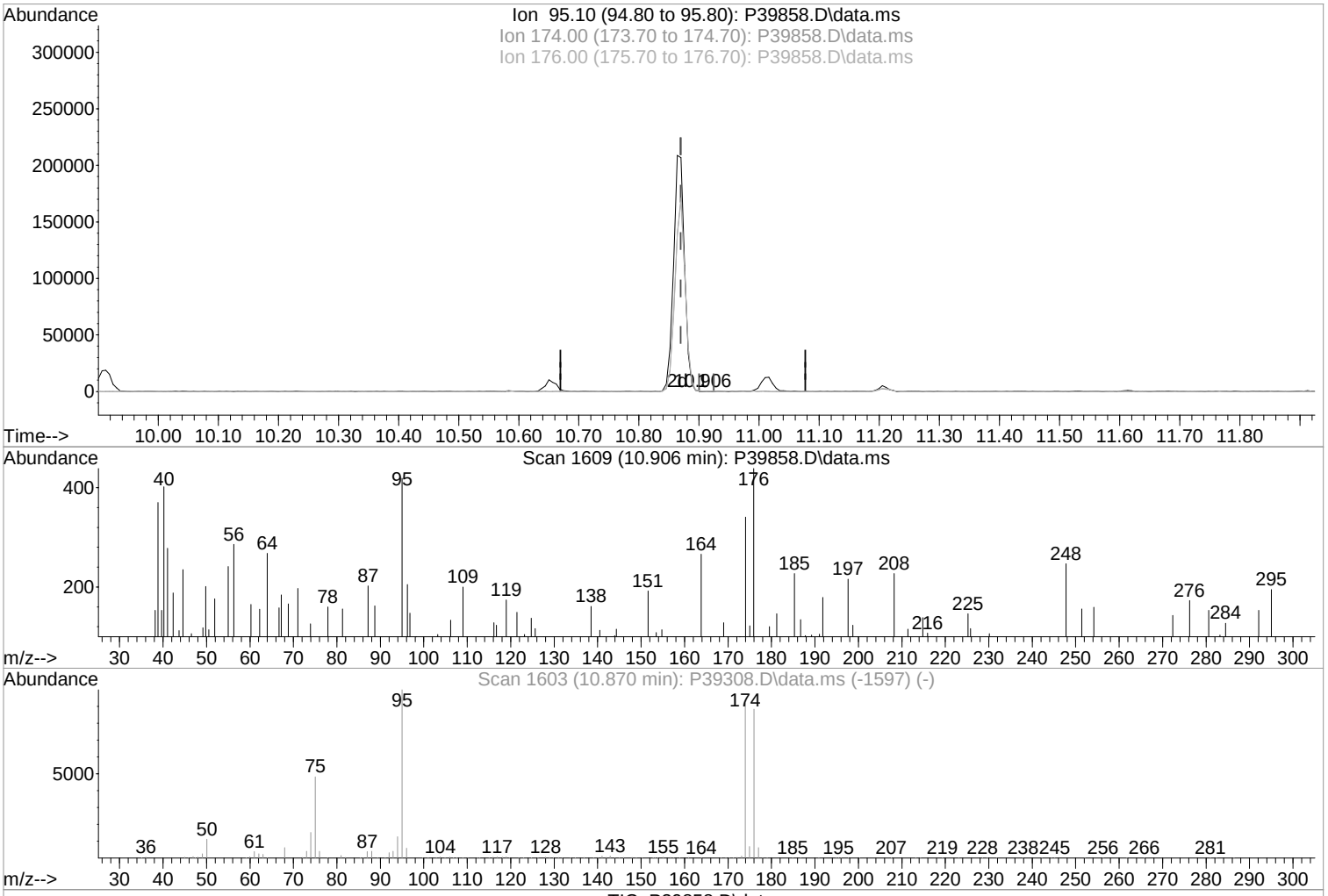
09/21/20

1st 09/21/20
2nd 09/24/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:24:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39858.D\data.ms

(70) SURR2,BFB (s)

10.906min (+0.036) 0.06 ppb

response 307

Ion	Exp%	Act%
95.10	100	100
174.00	91.80	81.38
176.00	88.40	104.77
0.00	0.00	0.00

Manual Integration:

Before

09/21/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:27:57 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	327140	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	524901	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	475335	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	245294	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	156707	50.86	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.72%				
48) surr1,1,2-dichloroetha...	5.852	65	208043	50.58	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.16%				
65) SURR3,Toluene-d8	8.315	98	715812	51.12	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.24%				
70) SURR2,BFB	10.864	95	266171m	49.00	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	91360	21.15	ppb		99
3) Chloromethane	1.329	50	93728	20.96	ppb		97
4) Vinyl Chloride	1.402	62	125695	23.19	ppb		100
5) Bromomethane	1.640	94	83310	17.49	ppb		96
6) Chloroethane	1.713	64	93840	23.62	ppb		96
7) Freon 21	1.865	67	111323	18.22	ppb		100
8) Trichlorofluoromethane	1.902	101	107107	20.88	ppb		97
9) Diethyl Ether	2.146	59	62882	21.01	ppb		98
10) Freon 123a	2.158	67	57645	16.32	ppb		95
11) Freon 123	2.207	83	71092	17.34	ppb		95
12) Acrolein	2.268	56	24196	28.41	ppb		91
13) 1,1-Diclethene	2.335	96	59847	24.82	ppb		93
14) Freon 113	2.335	101	63714	23.43	ppb		94
15) Acetone	2.408	43	27117m	17.22	ppb		
16) 2-Propanol	2.554	45	179451m	458.30	ppb		
17) Iodomethane	2.469	142	82919	23.69	ppb		97
18) Carbon Disulfide	2.524	76	166805	20.11	ppb		98
19) Acetonitrile	2.670	40	12193m	96.89	ppb		
20) Allyl Chloride	2.676	76	36507	22.93	ppb		93
21) Methyl Acetate	2.713	43	52269	16.13	ppb		98
22) Methylene Chloride	2.798	84	71682	22.28	ppb		91
23) TBA	2.963	59	292911m	399.88	ppb		
24) Acrylonitrile	3.085	53	195101m	111.80	ppb		
25) Methyl-t-Butyl Ether	3.091	73	247673	22.40	ppb		99
26) trans-1,2-Dichloroethene	3.085	96	66257	23.68	ppb		94
28) 1,1-Diclethane	3.597	63	123051	23.01	ppb		97
29) Vinyl Acetate	3.688	86	15124	22.49	ppb	#	85
30) DIPE	3.700	45	227961	24.61	ppb		99
31) 2-Chloro-1,3-Butadiene	3.713	53	105285	20.74	ppb		96
32) ETBE	4.231	59	223227	23.53	ppb		98
33) 2,2-Dichloropropane	4.432	77	106874	22.00	ppb		99
34) cis-1,2-Dichloroethene	4.444	96	77119	22.81	ppb		93
35) 2-Butanone	4.530	43	36357m	17.07	ppb		
36) Propionitrile	4.639	54	83516m	100.68	ppb		
37) Bromochloromethane	4.853	130	47467	21.76	ppb		90
38) Methacrylonitrile	4.895	67	35448	17.85	ppb		91
39) Tetrahydrofuran	4.962	42	22526	14.34	ppb		90
40) Chloroform	5.036	83	118876	21.15	ppb		96
41) 1,1,1-Trichloroethane	5.304	97	104119	20.54	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:27:57 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.133	73	242111	23.90	ppb		99
44) Cyclohexane	5.359	41	63067	20.19	ppb		85
46) Carbontetrachloride	5.566	117	82308	20.06	ppb		93
47) 1,1-Dichloropropene	5.584	75	92138	20.57	ppb		96
49) Benzene	5.907	78	295339	21.24	ppb		96
50) 1,2-Dichloroethane	5.968	62	101612	20.40	ppb		96
51) Iso-Butyl Alcohol	5.968	43	93674	421.69	ppb		99
52) n-Heptane	6.352	43	92997	23.29	ppb		94
53) 1-Butanol	6.913	56	169817	1149.78	ppb		98
54) Trichloroethene	6.834	130	73616	18.79	ppb		97
55) Methylcyclohexane	7.053	55	94450	21.92	ppb		92
56) 1,2-Diclpropane	7.133	63	73307	20.77	ppb		96
57) Dibromomethane	7.273	93	46961	19.51	ppb		92
58) 1,4-Dioxane	7.401	88	30378m	360.62	ppb		
59) Methyl Methacrylate	7.352	69	69735	20.06	ppb		94
60) Bromodichloromethane	7.498	83	83873	18.04	ppb		96
63) cis-1,3-Dichloropropene	8.029	75	114302	20.41	ppb		91
64) 4-Methyl-2-pentanone	8.248	43	91597	19.55	ppb		96
66) Toluene	8.389	91	337163	21.21	ppb		97
67) trans-1,3-Dichloropropene	8.669	75	105984	19.66	ppb		95
68) Ethyl Methacrylate	8.797	69	121758	20.36	ppb		92
69) 1,1,2-Trichloroethane	8.858	97	74428	21.45	ppb		97
72) Tetrachloroethene	8.962	164	58618	20.10	ppb		98
73) 2-Hexanone	9.151	43	67300	19.27	ppb		97
74) 1,3-Dichloropropane	9.029	76	127378	20.90	ppb		97
75) Dibromochloromethane	9.248	129	64577	19.86	ppb		98
76) N-Butyl Acetate	9.291	43	132303	18.53	ppb		97
77) 1,2-Dibromoethane	9.346	107	73886	20.19	ppb		100
78) Chlorobenzene	9.821	112	217498	21.71	ppb		97
79) 3-CBTF	9.839	180	111774	20.46	ppb		95
80) 4-CBTF	9.894	180	99140	20.63	ppb		95
81) 1,1,1,2-Tetrachloroethane	9.913	131	67922	19.77	ppb		94
82) Ethylbenzene	9.937	106	120238	21.78	ppb		97
83) (m+p)Xylene	10.047	106	292853	44.02	ppb		96
84) o-Xylene	10.406	106	140475	21.04	ppb		91
85) Styrene	10.425	104	234616	20.78	ppb		98
87) Bromoform	10.583	173	37879	17.64	ppb		97
88) 2-CBTF	10.656	180	111849	22.05	ppb		99
89) Isopropylbenzene	10.736	105	373811	23.11	ppb		99
90) Cyclohexanone	10.827	55	92385	103.07	ppb		93
91) trans-1,4-Dichloro-2-B...	11.059	53	32213	23.79	ppb		82
92) 1,1,2,2-Tetrachloroethane	11.010	83	114749	25.00	ppb		96
93) Bromobenzene	10.986	156	84283	19.38	ppb	#	85
94) 1,2,3-Trichloropropane	11.040	110	34045	19.17	ppb	#	85
95) n-Propylbenzene	11.089	91	457390	24.75	ppb		100
96) 2-Chlorotoluene	11.156	91	267969	22.20	ppb		97
97) 3-Chlorotoluene	11.211	91	276828	23.26	ppb		98
98) 4-Chlorotoluene	11.248	91	303984	22.17	ppb		95
99) 1,3,5-Trimethylbenzene	11.242	105	325088	23.06	ppb		99
100) tert-Butylbenzene	11.510	119	277999	23.21	ppb		98
101) 1,2,4-Trimethylbenzene	11.553	105	322659	23.00	ppb		97
102) 3,4-DCBTF	11.614	214	82374	19.95	ppb		88
103) sec-Butylbenzene	11.693	105	417593	24.49	ppb		98
104) p-Isopropyltoluene	11.815	119	348116	23.64	ppb		100
105) 1,3-Dclbenz	11.778	146	179127	21.80	ppb		99
106) 1,4-Dclbenz	11.857	146	183680	21.20	ppb		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:27:57 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 2,4-DCBTF	11.906	214	77629	21.07	ppb	96
108) 2,5-DCBTF	11.949	214	86002	20.23	ppb	97
109) n-Butylbenzene	12.144	91	324064	24.46	ppb	99
110) 1,2-Dclbenz	12.156	146	178969	21.12	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.790	157	24611	18.53	ppb	94
112) Trielution Dichlorotol...	12.894	125	510532	67.26	ppb	98
113) 1,3,5 Trichlorobenzene	12.943	180	135386	21.54	ppb	99
114) Coelution Dichlorotoluene	13.223	125	373526	45.47	ppb	98
115) 1,2,4-Tcbenzene	13.430	180	137423	21.48	ppb	93
116) Hexachlorobt	13.558	225	49519	19.58	ppb	88
117) Naphthalen	13.625	128	446331	22.75	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	135712	21.01	ppb	97
119) 2,4,5-Trichlorotolene	14.393	159	100388	21.49	ppb	96
120) 2,3,6-Trichlorotoluene	14.473	159	97269	23.11	ppb	97

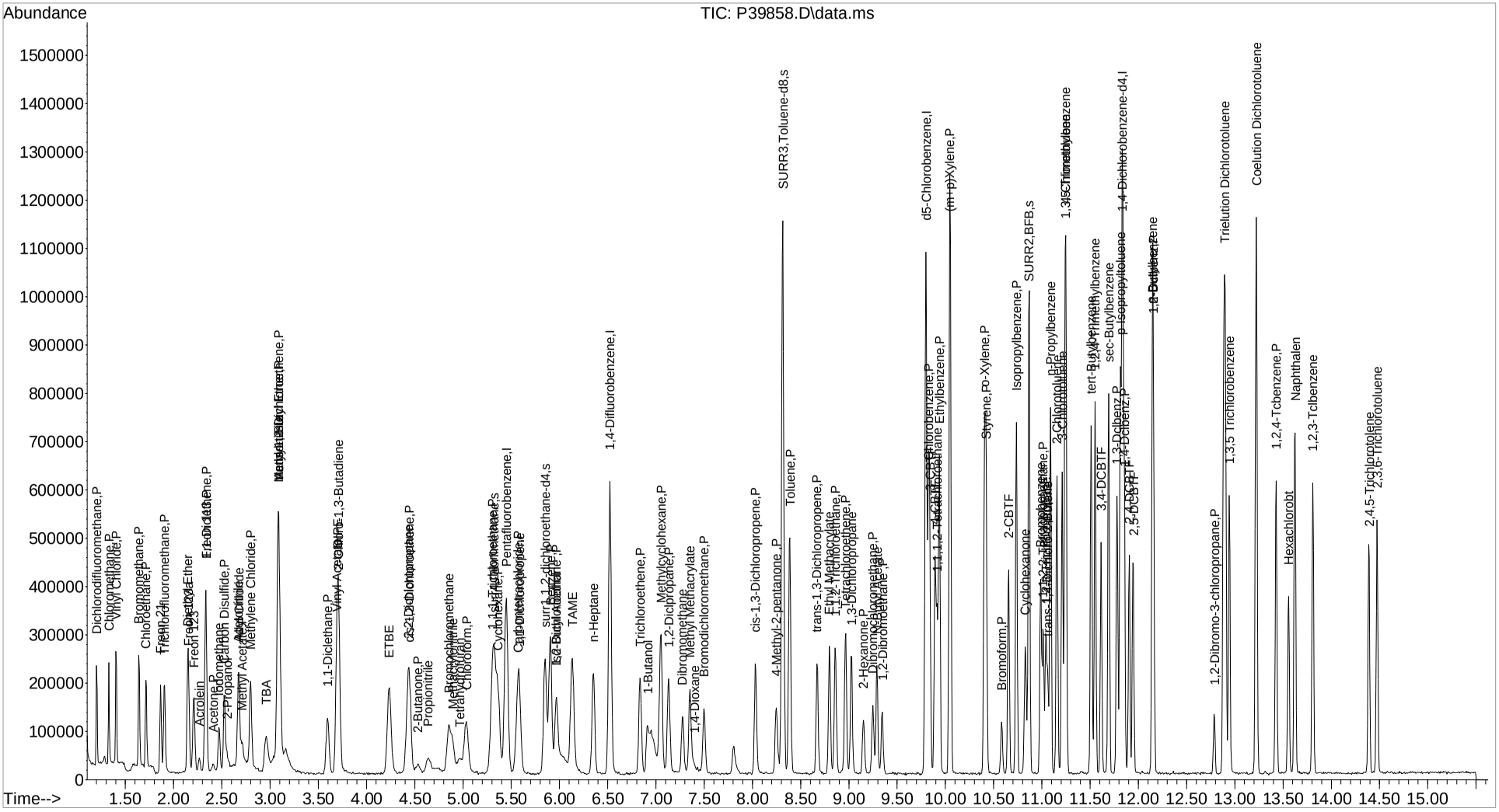
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39858.D
Acq On : 21 Sep 2020 11:08 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

09/21/20 1st
09/24/20 2nd

Quant Time: Sep 21 11:27:57 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

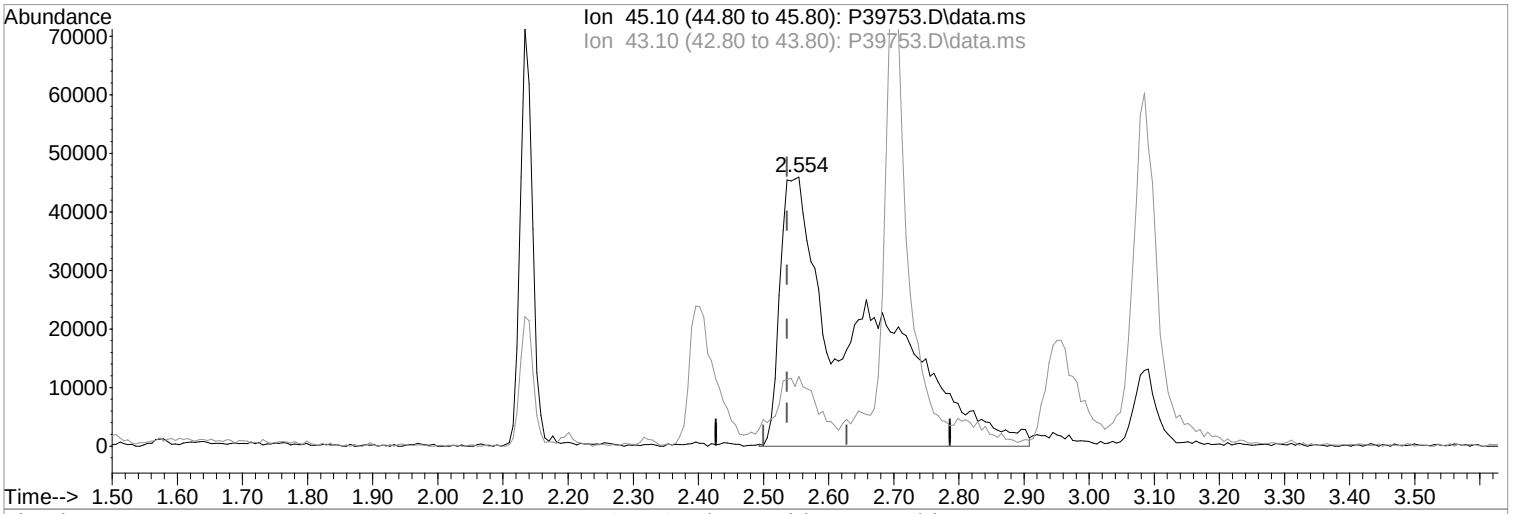


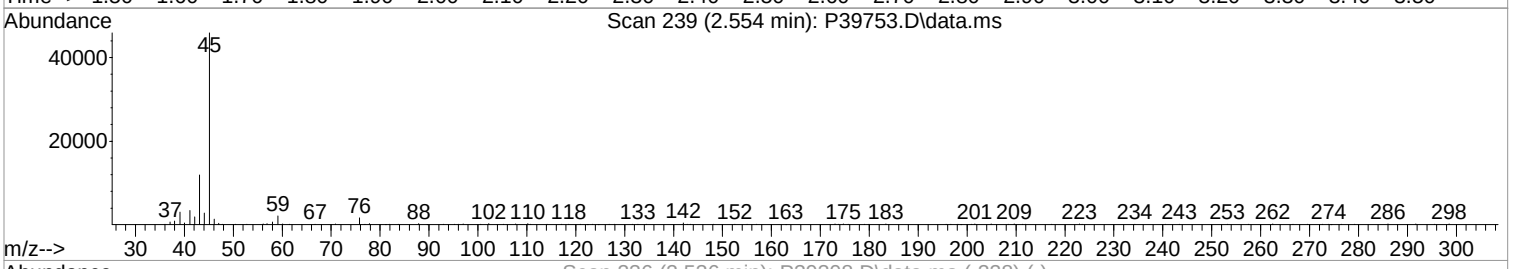
1st 09/18/20
2nd 09/22/20

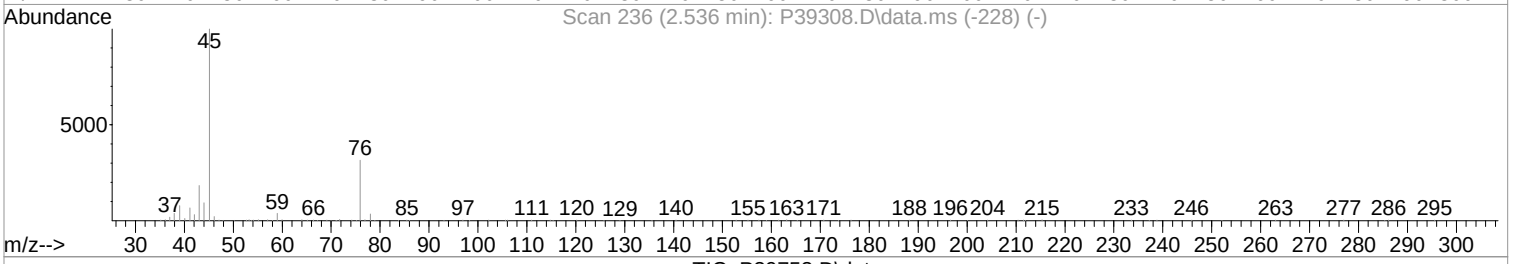
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 1046.42 ppb m

response 390096

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	25.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

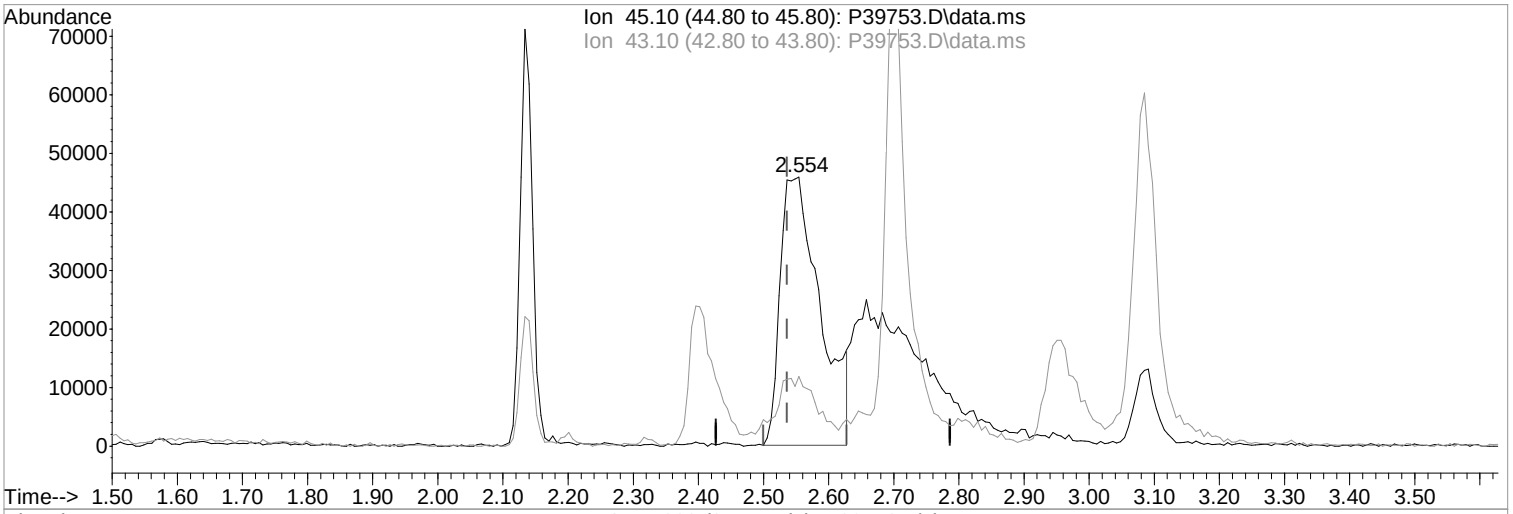
09/18/20

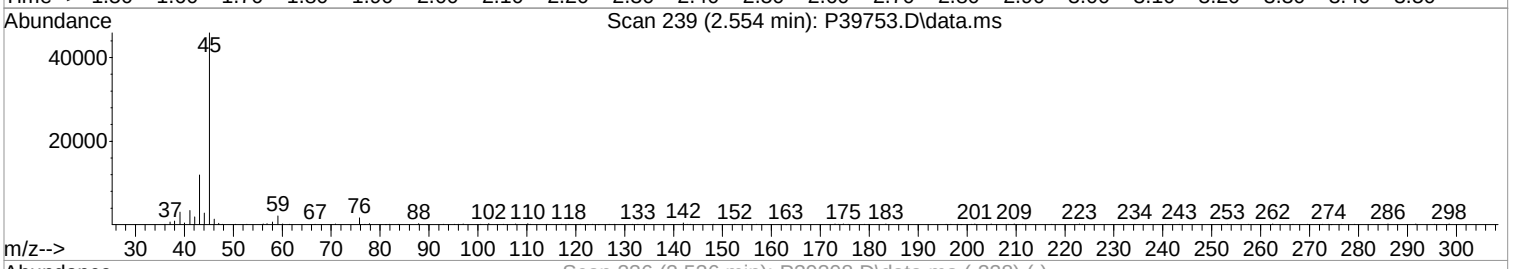
1st 09/18/20
2nd 09/22/20

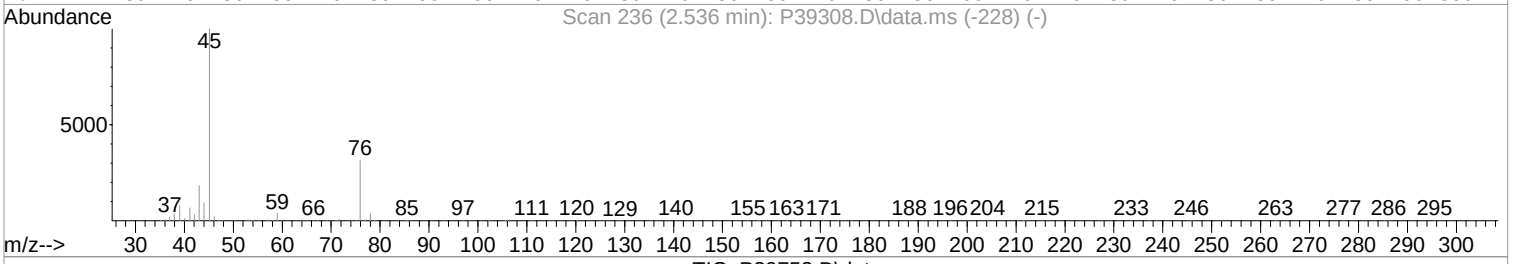
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 521.79 ppb

response 194520

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	25.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

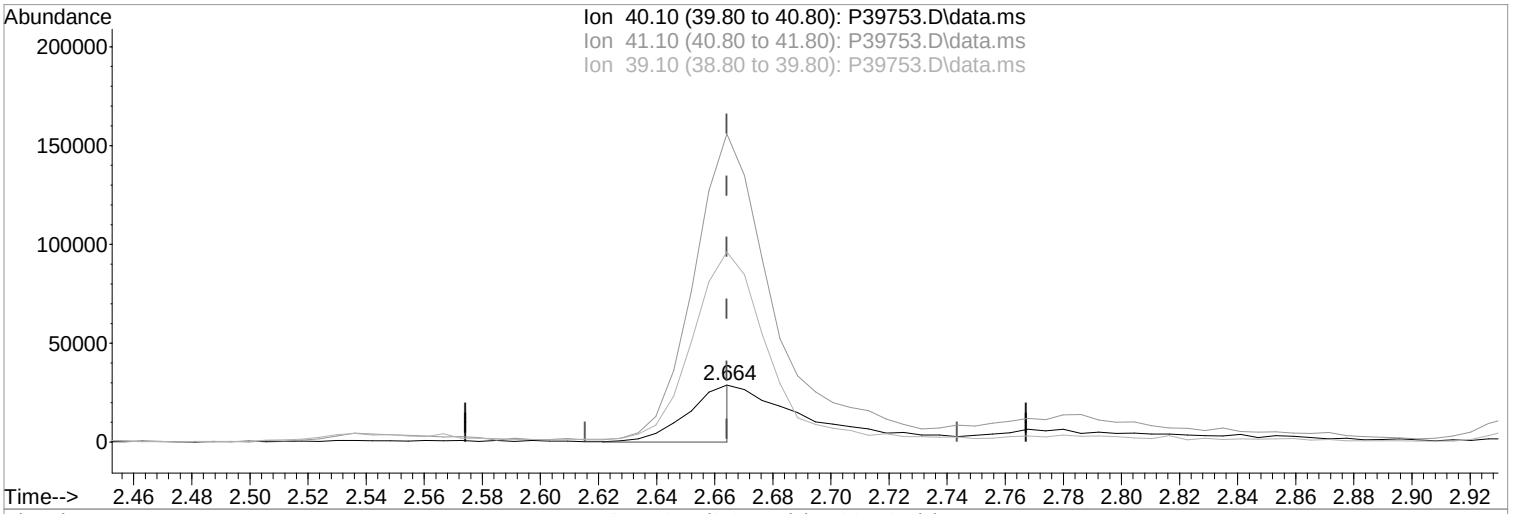
Before

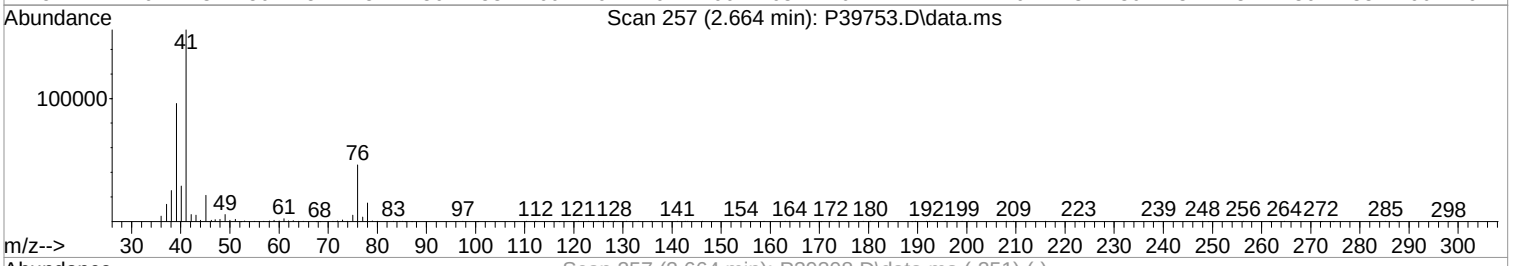
09/18/20

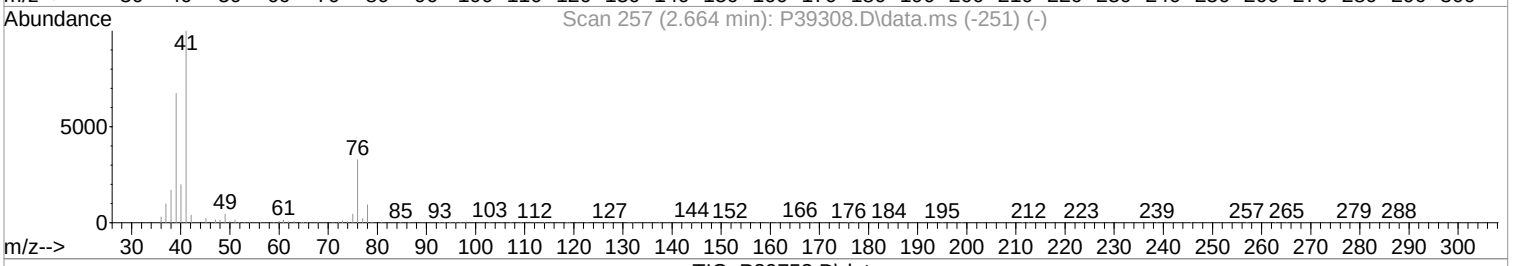
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(19) Acetonitrile

2.664min (-0.000) 263.60 ppb m

response 31584

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	540.50#
39.10	343.30	333.10
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

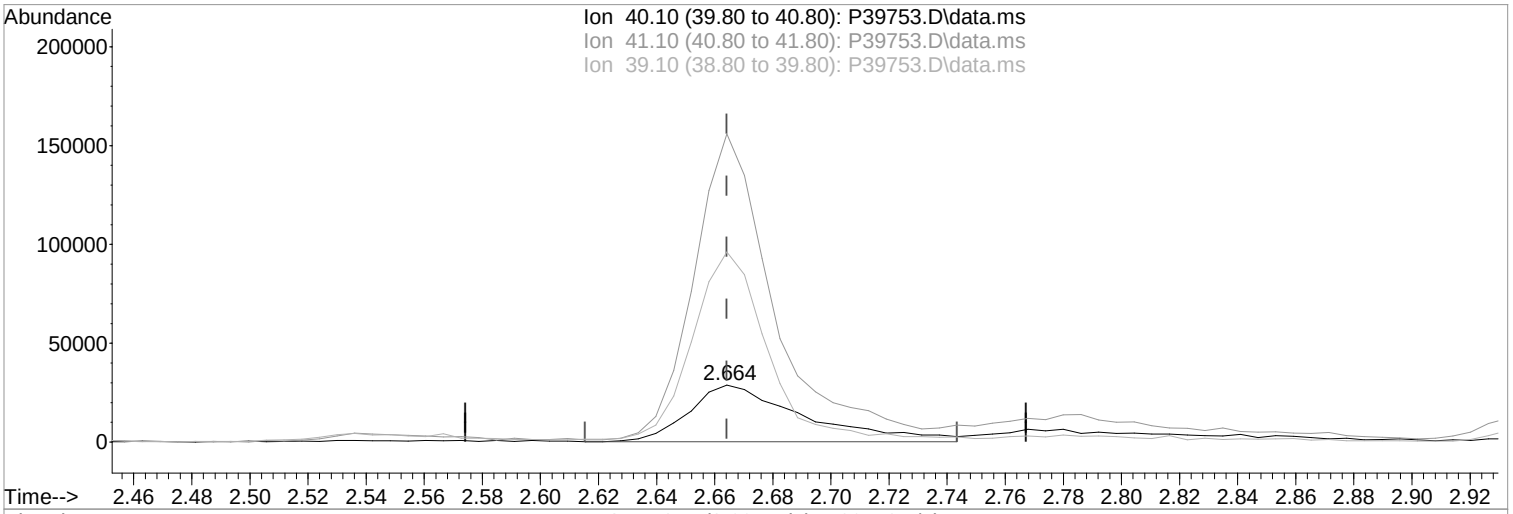
09/18/20

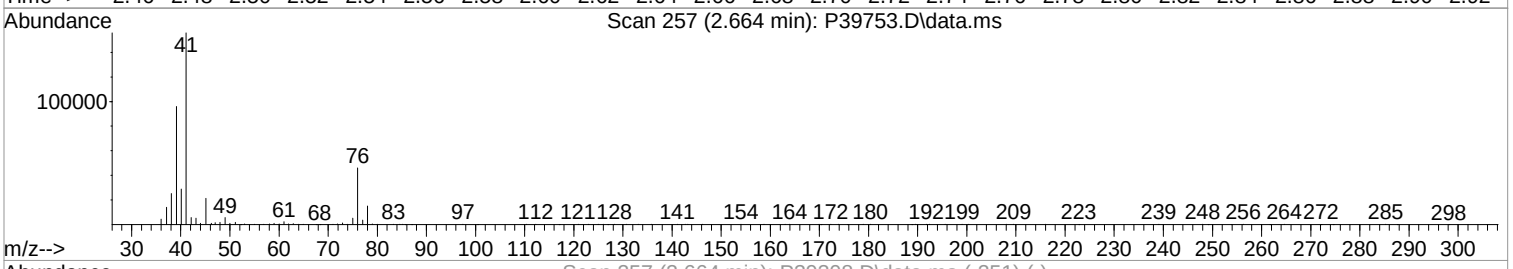
1st 09/18/20
2nd 09/22/20

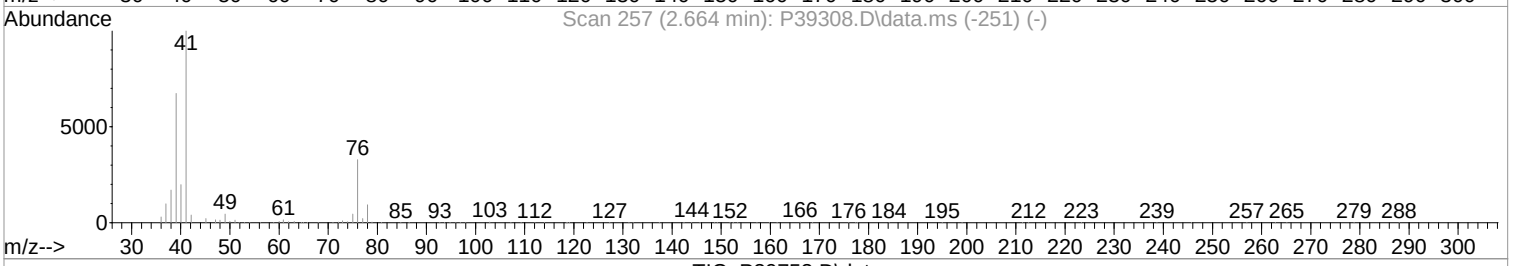
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(19) Acetonitrile

2.664min (-0.000) 664.80 ppb

response 79656

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	540.50#
39.10	343.30	333.10
0.00	0.00	0.00

Manual Integration:

Before

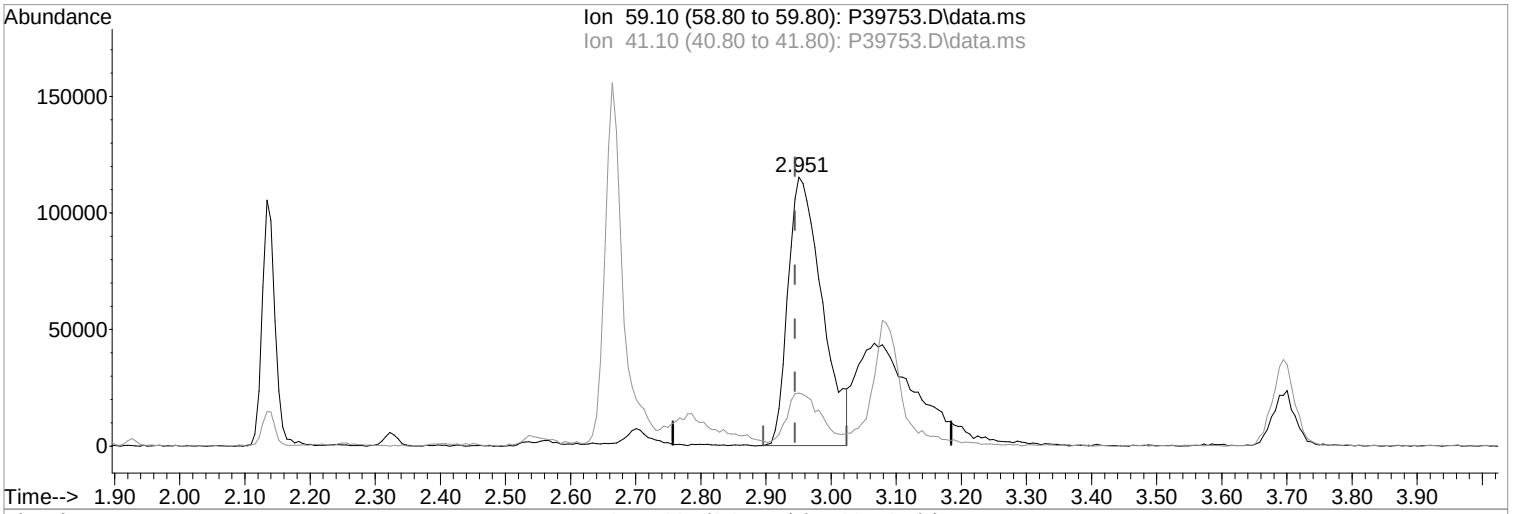
09/18/20

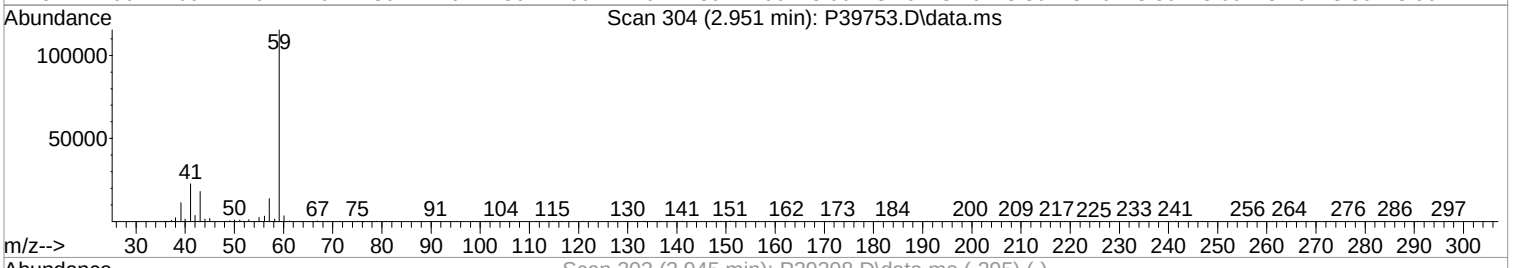
1st 09/18/20
2nd 09/22/20

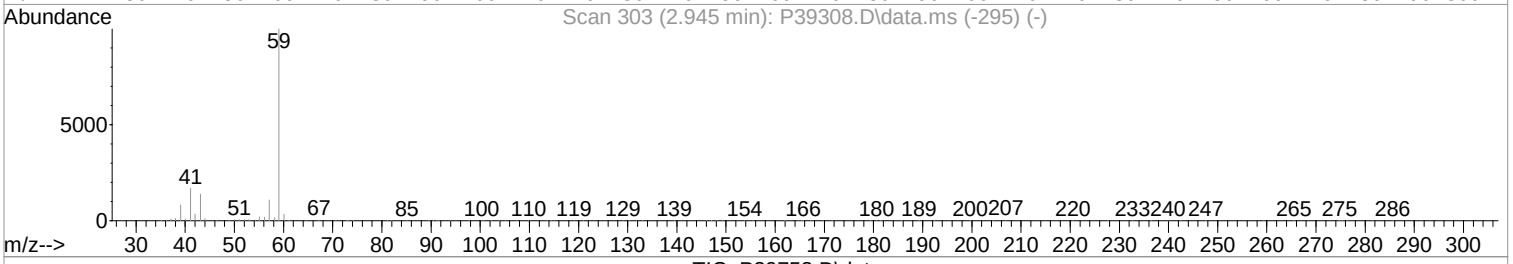
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(23) TBA

2.951min (+0.006) 600.55 ppb

response 418826

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	19.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

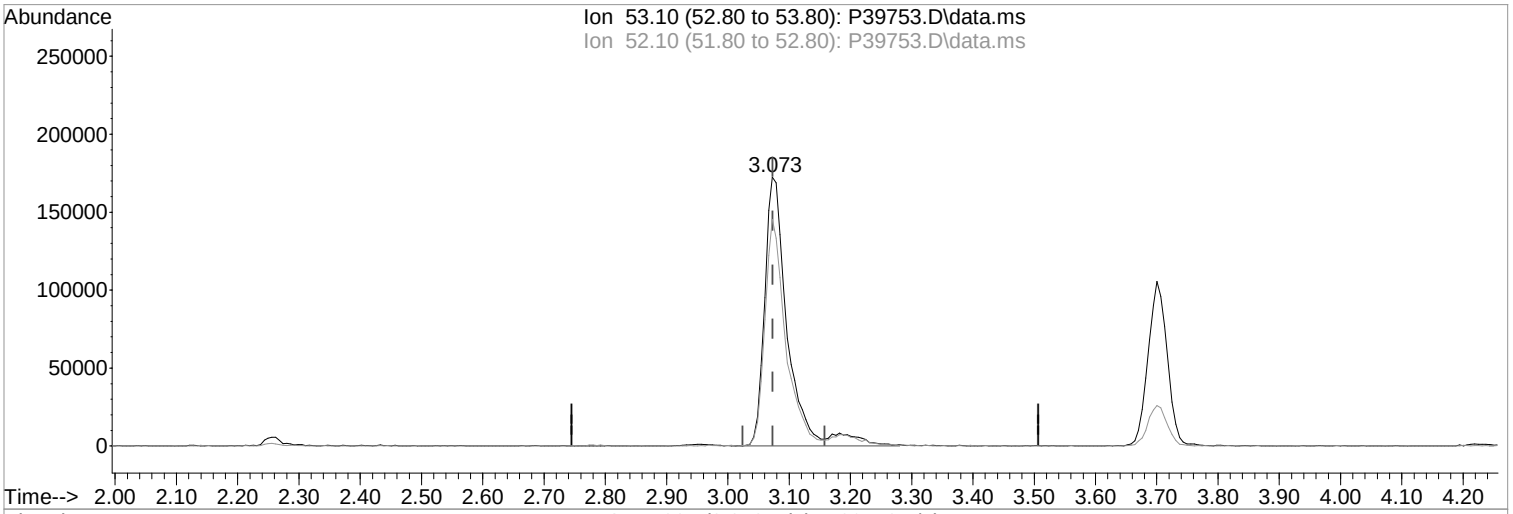
09/18/20

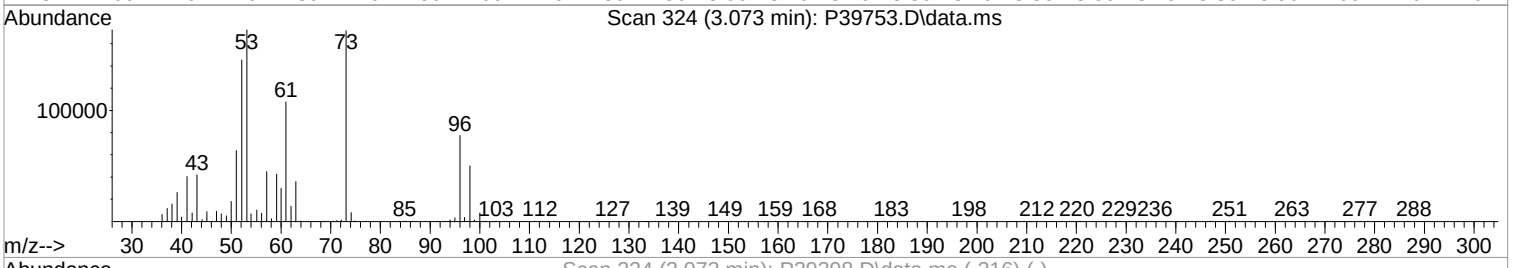
1st 09/18/20
2nd 09/22/20

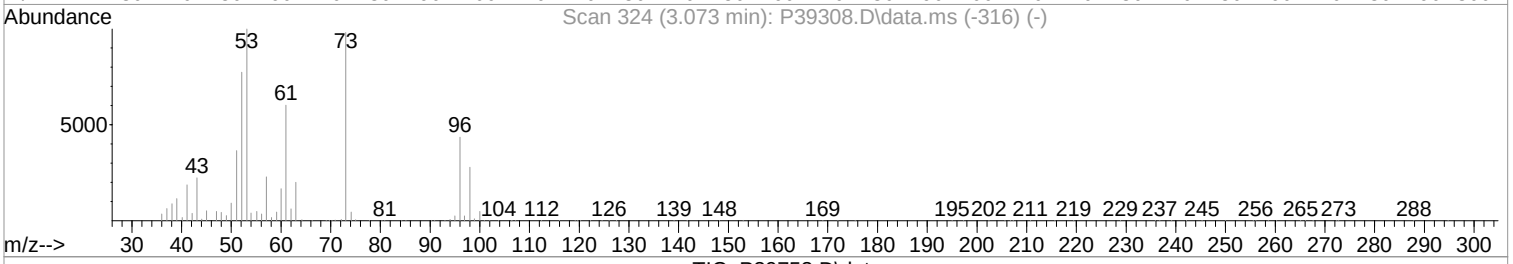
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(24) Acrylonitrile

3.073min (-0.000) 275.37 ppb m

response 457533

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	84.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

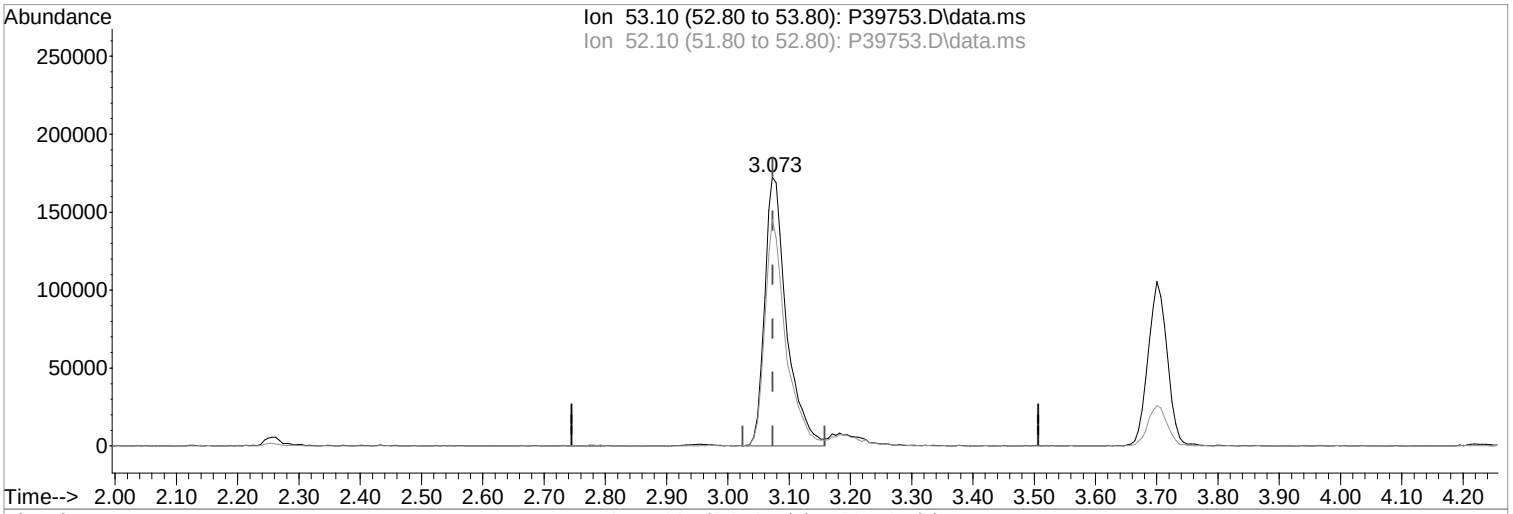
09/18/20

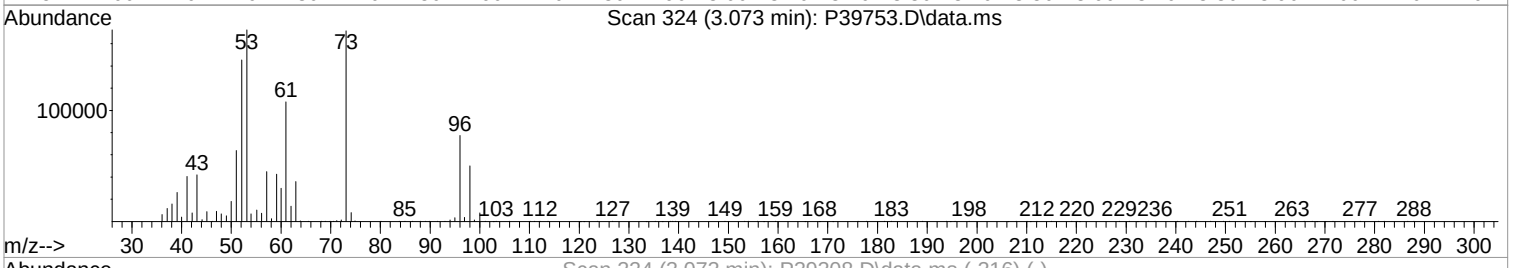
1st 09/18/20
2nd 09/22/20

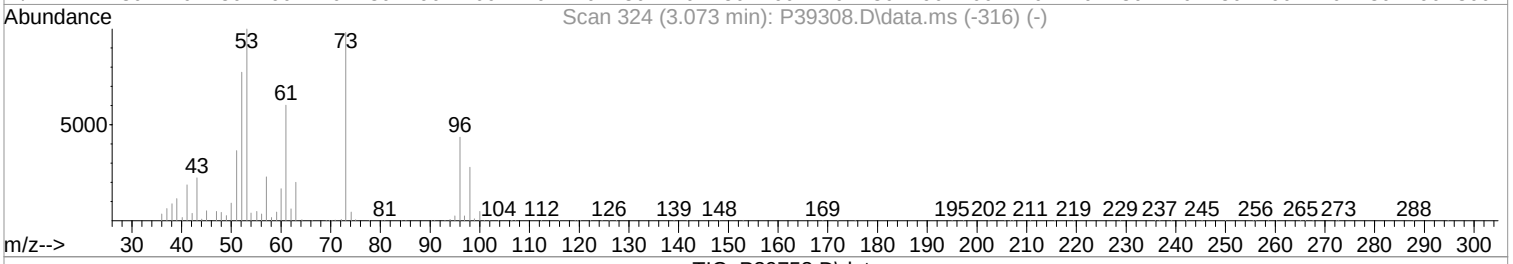
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(24) Acrylonitrile

3.073min (-0.000) 256.67 ppb

response 426465

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	84.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

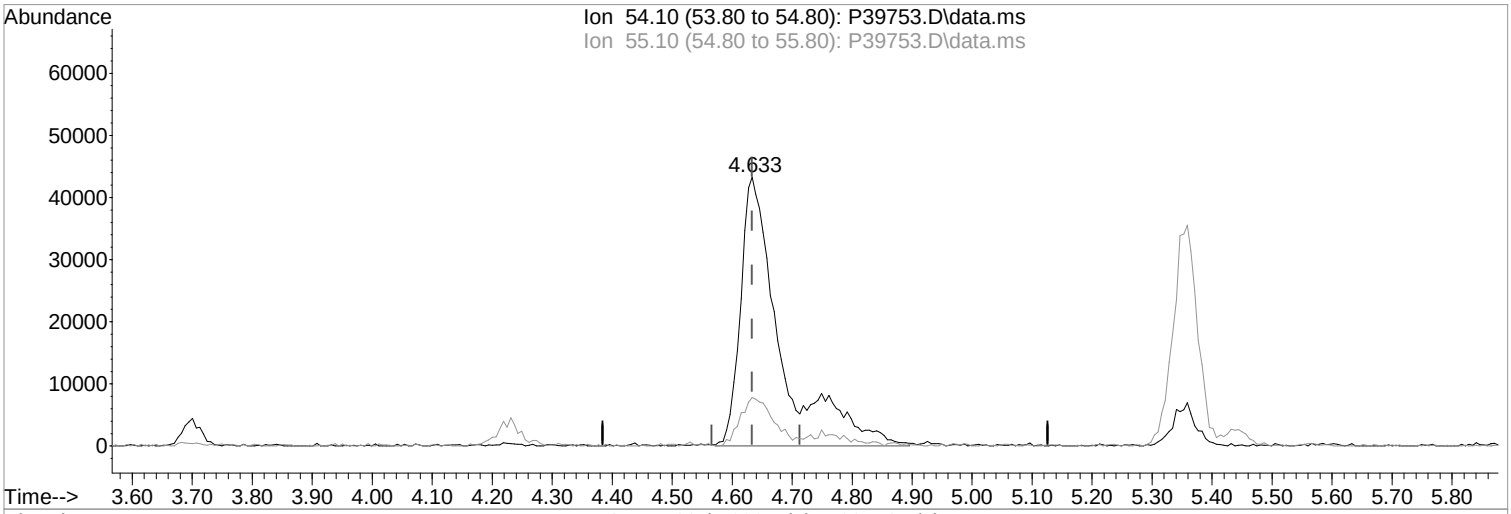
09/18/20

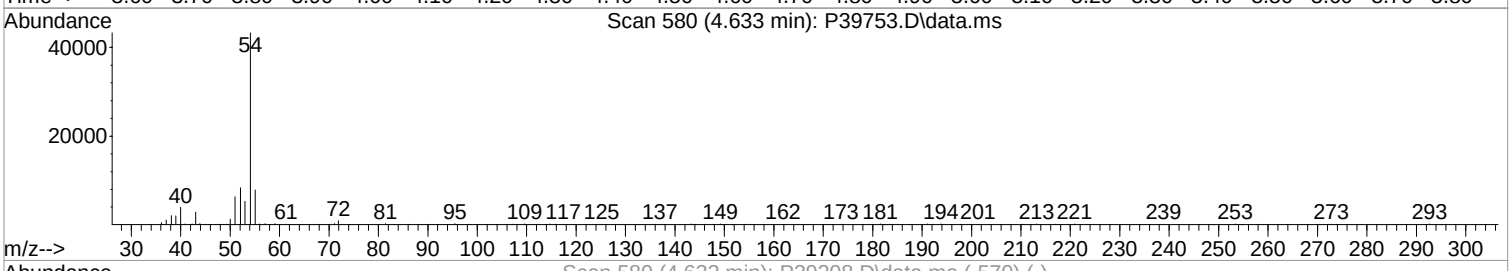
1st 09/18/20
2nd 09/22/20

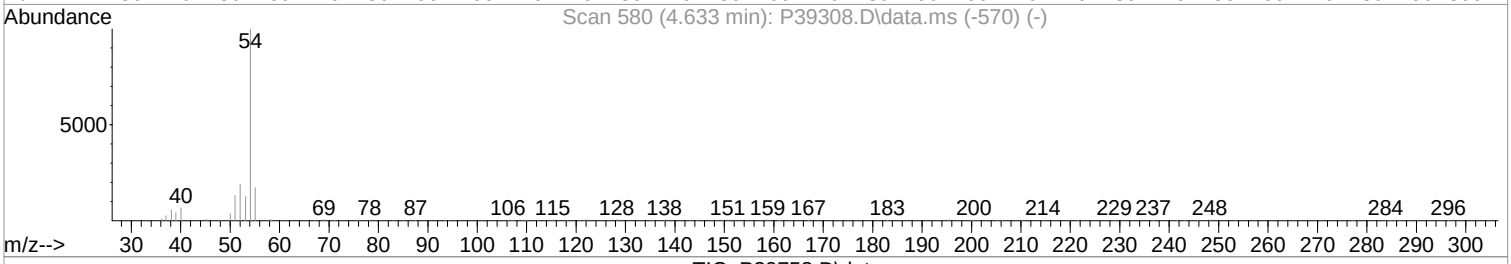
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(36) Propionitrile

4.633min (-0.000) 256.15 ppb m

response 202294

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	18.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

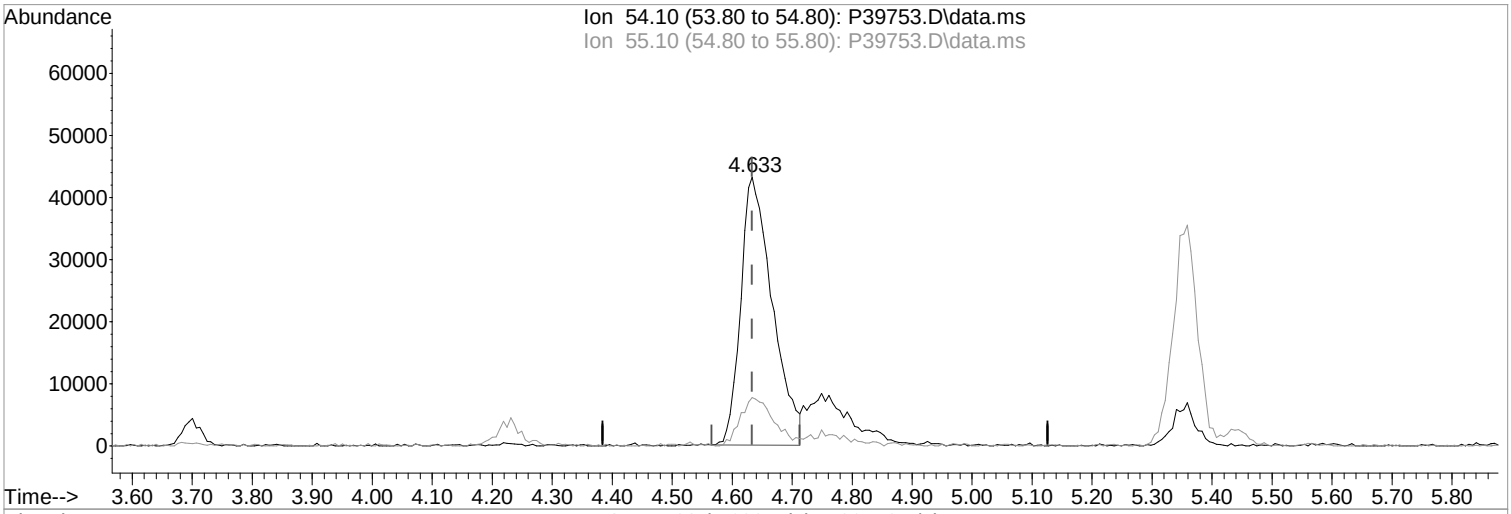
09/18/20

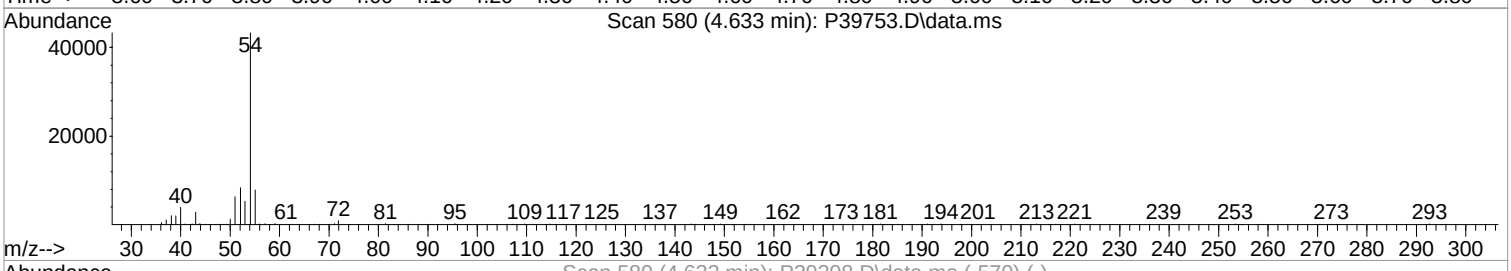
1st 09/18/20
2nd 09/22/20

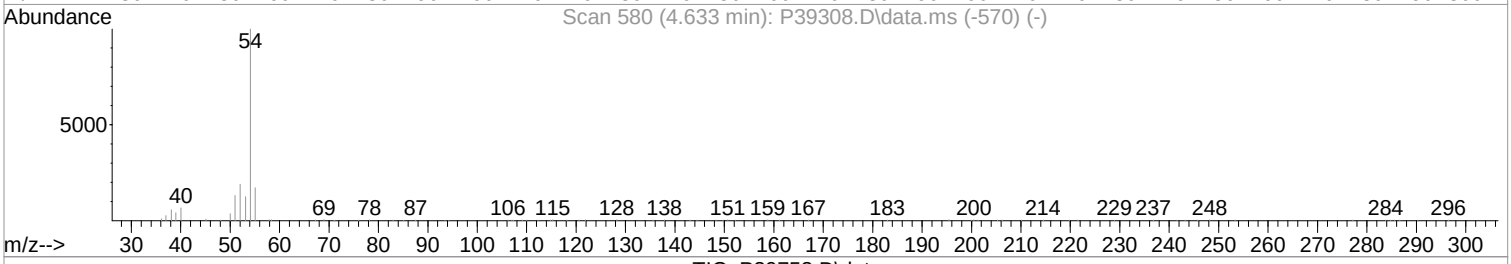
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(36) Propionitrile

4.633min (-0.000) 200.42 ppb

response 158281

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	18.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.0000	50.0000	0.0	92	0.00
2	P	Dichlorodifluoromethane	50.0000	46.8826	6.2	85	0.00
3	P	Chloromethane	50.0000	50.7941	-1.6	95	0.00
4	P	Vinyl Chloride	50.0000	52.9426	-5.9	94	0.00
5	P	Bromomethane	50.0000	52.6540	-5.3	93	0.00
6	P	Chloroethane	50.0000	61.6317	-23.3#	113	0.00
7		Freon 21	50.0000	56.8056	-13.6	106	0.00
8	P	Trichlorofluoromethane	50.0000	49.1786	1.6	94	0.00
9		Diethyl Ether	50.0000	50.4947	-1.0	97	0.00
10		Freon 123a	50.0000	53.1942	-6.4	103	0.00
11		Freon 123	50.0000	53.6229	-7.2	103	0.00
12		Acrolein	250.0000	194.7450	22.1#	74	0.00
13	P	1,1-Diclethene	50.0000	50.2910	-0.6	94	0.00
14	P	Freon 113	50.0000	51.4976	-3.0	94	0.00
15	P	Acetone	50.0000	45.2018	9.6	91	0.00
16		2-Propanol	1000.0000	1046.4158	-4.6	96	0.02
17		Iodomethane	50.0000	47.9387	4.1	105	0.00
18	P	Carbon Disulfide	50.0000	44.7401	10.5	84	0.00
19		Acetonitrile	250.0000	263.5956	-5.4	84	0.00
20		Allyl Chloride	50.0000	48.9982	2.0	91	0.00
21	P	Methyl Acetate	50.0000	56.1086	-12.2	111	0.00
22	P	Methylene Chloride	50.0000	53.0610	-6.1	102	0.00
23		TBA	1000.0000	1027.2085	-2.7	95	0.00
24		Acrylonitrile	250.0000	275.3732	-10.1	100	0.00
25	P	Methyl-t-Butyl Ether	50.0000	54.5097	-9.0	101	0.00
26	P	trans-1,2-Dichloroethene	50.0000	51.4361	-2.9	95	0.00
27		Halothane	-1.0000	0.0000	0.0	0	-4.18#
28	P	1,1-Diclethane	50.0000	55.8479	-11.7	100	0.00
29		Vinyl Acetate	50.0000	42.9360	14.1	74	0.00
30		DIPE	50.0000	51.4486	-2.9	97	0.00
31		2-Chloro-1,3-Butadiene	50.0000	47.4477	5.1	91	0.00
32		ETBE	50.0000	54.0718	-8.1	95	0.00
33		2,2-Dichloropropane	50.0000	49.4861	1.0	87	0.00
34	P	cis-1,2-Dichloroethene	50.0000	53.6682	-7.3	99	0.00
35	P	2-Butanone	50.0000	48.9102	2.2	94	0.00
36		Propionitrile	250.0000	256.1530	-2.5	98	0.00
37		Bromochloromethane	50.0000	51.4371	-2.9	91	0.00
38		Methacrylonitrile	50.0000	51.5391	-3.1	103	0.00
39		Tetrahydrofuran	50.0000	47.2060	5.6	90	0.00
40	P	Chloroform	50.0000	52.4162	-4.8	100	0.00
41	P	1,1,1-Trichloroethane	50.0000	49.1258	1.7	90	0.00
42		TAME	50.0000	53.2466	-6.5	95	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	103	0.00
44	P	Cyclohexane	50.0000	48.3806	3.2	103	0.00
45	s	surr4,Dibrflmethane	50.0000	48.3876	3.2	97	0.00
46	P	Carbontetrachloride	50.0000	44.0833	11.8	84	0.00
47		1,1-Dichloropropene	50.0000	48.8938	2.2	96	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	49.0513	1.9	102	0.00
49	P	Benzene	50.0000	48.7257	2.5	99	0.00
50	P	1,2-Dichloroethane	50.0000	48.7689	2.5	102	0.00
51		Iso-Butyl Alcohol	1000.0000	1095.7435	-9.6	117	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.0000	44.6458	10.7	95	0.00
53		1-Butanol	2500.0000	2664.9294	-6.6	108	0.00
54	P	Trichloroethene	50.0000	46.9264	6.1	98	0.00
55	P	Methylcyclohexane	50.0000	51.7646	-3.5	100	0.00
56	P	1,2-Diclpropane	50.0000	48.6168	2.8	100	0.00
57		Dibromomethane	50.0000	46.5657	6.9	100	0.00
58		1,4-Dioxane	1000.0000	920.1391	8.0	92	0.00
59		Methyl Methacrylate	50.0000	48.1165	3.8	99	0.00
60	P	Bromodichloromethane	50.0000	45.1607	9.7	94	0.00
61		2-Nitropropane	-1.0000	0.0000	0.0	82	0.00
62		2-Chloroethylvinyl Ether	50.0000	48.4835	3.0	99	0.00
63	P	cis-1,3-Dichloropropene	50.0000	49.2301	1.5	97	0.00
64	P	4-Methyl-2-pentanone	50.0000	47.8676	4.3	97	0.00
65	s	SURR3,Toluene-d8	50.0000	50.7746	-1.5	103	0.00
66	P	Toluene	50.0000	49.3316	1.3	99	0.00
67	P	trans-1,3-Dichloropropene	50.0000	48.6122	2.8	94	0.00
68		Ethyl Methacrylate	50.0000	47.5705	4.9	97	0.00
69	P	1,1,2-Trichloroethane	50.0000	50.2817	-0.6	101	0.00
70	s	SURR2,BFB	50.0000	50.7143	-1.4	102	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	102	0.00
72	P	Tetrachloroethene	50.0000	42.5957	14.8	86	0.00
73	P	2-Hexanone	50.0000	46.9049	6.2	95	0.00
74		1,3-Dichloropropane	50.0000	49.5057	1.0	103	0.00
75	P	Dibromochloromethane	50.0000	45.5548	8.9	85	0.00
76		N-Butyl Acetate	50.0000	48.0370	3.9	97	0.00
77	P	1,2-Dibromoethane	50.0000	46.7525	6.5	99	0.00
78	P	Chlorobenzene	50.0000	48.6313	2.7	95	0.00
79		3-CBTF	50.0000	42.0904	15.8	85	0.00
80		4-CBTF	50.0000	42.8370	14.3	85	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	45.5798	8.8	88	0.00
82	P	Ethylbenzene	50.0000	48.7272	2.5	95	0.00
83	P	(m+p)Xylene	100.0000	101.2328	-1.2	97	0.00
84	P	o-Xylene	50.0000	49.5170	1.0	98	0.00
85	P	Styrene	50.0000	50.0002	-0.0	95	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	96	0.00
87	P	Bromoform	50.0000	42.6536	14.7	77	0.00
88		2-CBTF	50.0000	46.0463	7.9	88	0.00
89	P	Isopropylbenzene	50.0000	50.7229	-1.4	93	0.00
90		Cyclohexanone	1000.0000	982.6919	1.7	93	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	50.4206	-0.8	92	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	50.6606	-1.3	93	0.00
93		Bromobenzene	50.0000	46.5828	6.8	88	0.00
94		1,2,3-Trichloropropane	50.0000	50.6965	-1.4	97	0.00
95		n-Propylbenzene	50.0000	54.0163	-8.0	97	0.00
96		2-Chlorotoluene	50.0000	50.7771	-1.6	98	0.00
97		3-Chlorotoluene	50.0000	51.2359	-2.5	97	0.00
98		4-Chlorotoluene	50.0000	50.6865	-1.4	98	0.00
99		1,3,5-Trimethylbenzene	50.0000	51.5832	-3.2	94	0.00
100		tert-Butylbenzene	50.0000	50.2588	-0.5	92	0.00
101		1,2,4-Trimethylbenzene	50.0000	52.4017	-4.8	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-DCBTF	50.0000	42.3061	15.4	80	0.00
103		sec-Butylbenzene	50.0000	52.2181	-4.4	94	0.00
104		p-Isopropyltoluene	50.0000	51.6882	-3.4	91	0.00
105	P	1,3-Dclbenz	50.0000	49.7364	0.5	92	0.00
106	P	1,4-Dclbenz	50.0000	47.7012	4.6	92	0.00
107		2,4-DCBTF	50.0000	43.4952	13.0	81	0.00
108		2,5-DCBTF	50.0000	43.5453	12.9	81	0.00
109		n-Butylbenzene	50.0000	53.6891	-7.4	95	0.00
110	P	1,2-Dclbenz	50.0000	48.7806	2.4	93	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	44.5122	11.0	78	0.00
112		Trielution Dichlorotoluene	150.0000	147.5358	1.6	90	0.00
113		1,3,5 Trichlorobenzene	50.0000	44.5520	10.9	81	0.00
114		Coelution Dichlorotoluene	100.0000	100.5786	-0.6	89	0.00
115	P	1,2,4-Tcbenzene	50.0000	47.3689	5.3	85	0.00
116		Hexachlorobt	50.0000	39.2479	21.5#	72	0.00
117		Naphthalen	50.0000	53.1938	-6.4	91	0.00
118		1,2,3-Tclbenzene	50.0000	46.3761	7.2	83	0.00
119		2,4,5-Trichlorotolene	50.0000	43.1060	13.8	76	0.00
120		2,3,6-Trichlorotoluene	50.0000	43.6929	12.6	78	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	311465	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	521122	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	477688	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	249058	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	148015	48.39	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.78%				
48) surr1,1,2-dichloroetha...	5.846	65	200306	49.05	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.10%				
65) SURR3,Toluene-d8	8.315	98	705911	50.77	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.54%				
70) SURR2,BFB	10.870	95	273475	50.71	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	192799	46.88	ppb		98
3) Chloromethane	1.317	50	216234	50.79	ppb		99
4) Vinyl Chloride	1.396	62	273228	52.94	ppb		98
5) Bromomethane	1.634	94	228968	52.65	ppb		97
6) Chloroethane	1.707	64	233103	61.63	ppb		100
7) Freon 21	1.853	67	330513	56.81	ppb		97
8) Trichlorofluoromethane	1.896	101	240215	49.18	ppb		99
9) Diethyl Ether	2.134	59	143886	50.49	ppb		96
10) Freon 123a	2.146	67	178893	53.19	ppb		94
11) Freon 123	2.201	83	209366	53.62	ppb		97
12) Acrolein	2.256	56	157928	194.74	ppb		91
13) 1,1-Diclethene	2.323	96	115457	50.29	ppb	#	83
14) Freon 113	2.323	101	133338	51.50	ppb		92
15) Acetone	2.396	43	67776	45.20	ppb		94
16) 2-Propanol	2.554	45	390096m	1046.42	ppb		
17) Iodomethane	2.463	142	172238	47.94	ppb		91
18) Carbon Disulfide	2.518	76	353399	44.74	ppb		99
19) Acetonitrile	2.664	40	31584m	263.60	ppb		
20) Allyl Chloride	2.664	76	74267	49.00	ppb	#	89
21) Methyl Acetate	2.701	43	173122	56.11	ppb		99
22) Methylene Chloride	2.792	84	162553	53.06	ppb		98
23) TBA	2.951	59	716382m	1027.21	ppb		
24) Acrylonitrile	3.073	53	457533m	275.37	ppb		
25) Methyl-t-Butyl Ether	3.085	73	573840	54.51	ppb		100
26) trans-1,2-Dichloroethene	3.073	96	137002	51.44	ppb		100
28) 1,1-Diclethane	3.585	63	284393	55.85	ppb		98
29) Vinyl Acetate	3.688	86	28103	42.94	ppb	#	86
30) DIPE	3.694	45	453787	51.45	ppb		96
31) 2-Chloro-1,3-Butadiene	3.701	53	229294	47.45	ppb		98
32) ETBE	4.225	59	488432	54.07	ppb		96
33) 2,2-Dichloropropane	4.426	77	228846	49.49	ppb		99
34) cis-1,2-Dichloroethene	4.438	96	172767	53.67	ppb		93
35) 2-Butanone	4.517	43	99190	48.91	ppb		89
36) Propionitrile	4.633	54	202294m	256.15	ppb		
37) Bromochloromethane	4.847	130	106835	51.44	ppb		90
38) Methacrylonitrile	4.883	67	97436	51.54	ppb		94
39) Tetrahydrofuran	4.944	42	68174	47.21	ppb		94
40) Chloroform	5.030	83	280484	52.42	ppb		96
41) 1,1,1-Trichloroethane	5.298	97	237111	49.13	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.127	73	513596	53.25	ppb		99
44) Cyclohexane	5.353	41	150062	48.38	ppb		91
46) Carbontetrachloride	5.560	117	179595	44.08	ppb		92
47) 1,1-Dichloropropene	5.578	75	217477	48.89	ppb		96
49) Benzene	5.901	78	672799	48.73	ppb		98
50) 1,2-Dichloroethane	5.962	62	241214	48.77	ppb		95
51) Iso-Butyl Alcohol	5.968	43	241658	1095.74	ppb		95
52) n-Heptane	6.352	43	176997	44.65	ppb		96
53) 1-Butanol	6.913	56	426150	2664.93	ppb	#	65
54) Trichloroethene	6.834	130	182549	46.93	ppb		95
55) Methylcyclohexane	7.047	55	221435	51.76	ppb		95
56) 1,2-Diclpropane	7.133	63	170345	48.62	ppb		97
57) Dibromomethane	7.273	93	111254	46.57	ppb		89
58) 1,4-Dioxane	7.352	88	76952	920.14	ppb		90
59) Methyl Methacrylate	7.352	69	166080	48.12	ppb		96
60) Bromodichloromethane	7.499	83	208510	45.16	ppb		98
62) 2-Chloroethylvinyl Ether	7.901	63	108992	48.48	ppb		93
63) cis-1,3-Dichloropropene	8.029	75	273709	49.23	ppb		97
64) 4-Methyl-2-pentanone	8.242	43	222670	47.87	ppb		99
66) Toluene	8.389	91	778621	49.33	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	260200	48.61	ppb		98
68) Ethyl Methacrylate	8.797	69	282496	47.57	ppb		99
69) 1,1,2-Trichloroethane	8.858	97	173232	50.28	ppb		98
72) Tetrachloroethene	8.968	164	124811	42.60	ppb		97
73) 2-Hexanone	9.151	43	164597	46.90	ppb		99
74) 1,3-Dichloropropane	9.023	76	303262	49.51	ppb		96
75) Dibromochloromethane	9.248	129	148879	45.55	ppb		97
76) N-Butyl Acetate	9.291	43	344658	48.04	ppb		99
77) 1,2-Dibromoethane	9.346	107	171911	46.75	ppb		94
78) Chlorobenzene	9.821	112	489560	48.63	ppb		96
79) 3-CBTF	9.840	180	231087	42.09	ppb		97
80) 4-CBTF	9.894	180	206840	42.84	ppb		94
81) 1,1,1,2-Tetrachloroethane	9.913	131	157353	45.58	ppb		97
82) Ethylbenzene	9.937	106	270358	48.73	ppb		92
83) (m+p)Xylene	10.047	106	676828	101.23	ppb		99
84) o-Xylene	10.407	106	332181	49.52	ppb		96
85) Styrene	10.425	104	567300	50.00	ppb		100
87) Bromoform	10.583	173	93016	42.65	ppb		93
88) 2-CBTF	10.656	180	237144	46.05	ppb		97
89) Isopropylbenzene	10.736	105	833028	50.72	ppb		99
90) Cyclohexanone	10.827	55	894298	982.69	ppb		99
91) trans-1,4-Dichloro-2-B...	11.059	53	69317	50.42	ppb		86
92) 1,1,2,2-Tetrachloroethane	11.010	83	236117	50.66	ppb		98
93) Bromobenzene	10.992	156	205682	46.58	ppb		93
94) 1,2,3-Trichloropropane	11.041	110	88932	50.70	ppb	#	87
95) n-Propylbenzene	11.089	91	1013527	54.02	ppb		99
96) 2-Chlorotoluene	11.156	91	622289	50.78	ppb		98
97) 3-Chlorotoluene	11.211	91	619062	51.24	ppb		100
98) 4-Chlorotoluene	11.248	91	705665	50.69	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	738355	51.58	ppb		99
100) tert-Butylbenzene	11.510	119	611202	50.26	ppb		97
101) 1,2,4-Trimethylbenzene	11.553	105	746303	52.40	ppb		100
102) 3,4-DCBTF	11.614	214	177381	42.31	ppb		99
103) sec-Butylbenzene	11.693	105	904175	52.22	ppb		99
104) p-Isopropyltoluene	11.815	119	772964	51.69	ppb		98
105) 1,3-Dclbenz	11.778	146	414853	49.74	ppb		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.857	146	419728	47.70	ppb	98
107) 2,4-DCBTF	11.906	214	162699	43.50	ppb	96
108) 2,5-DCBTF	11.949	214	187923	43.55	ppb	96
109) n-Butylbenzene	12.144	91	722155	53.69	ppb	99
110) 1,2-Dclbenz	12.156	146	419691	48.78	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.790	157	60038	44.51	ppb	91
112) Trielution Dichlorotol...	12.894	125	1137011	147.54	ppb	95
113) 1,3,5 Trichlorobenzene	12.943	180	284374	44.55	ppb	97
114) Coelution Dichlorotoluene	13.223	125	838980	100.58	ppb	98
115) 1,2,4-Tcbenzene	13.430	180	307656	47.37	ppb	97
116) Hexachlorobt	13.558	225	100767	39.25	ppb	98
117) Naphthalen	13.625	128	1059719	53.19	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	304176	46.38	ppb	98
119) 2,4,5-Trichlorotolene	14.387	159	204423	43.11	ppb	93
120) 2,3,6-Trichlorotoluene	14.473	159	186725	43.69	ppb	97

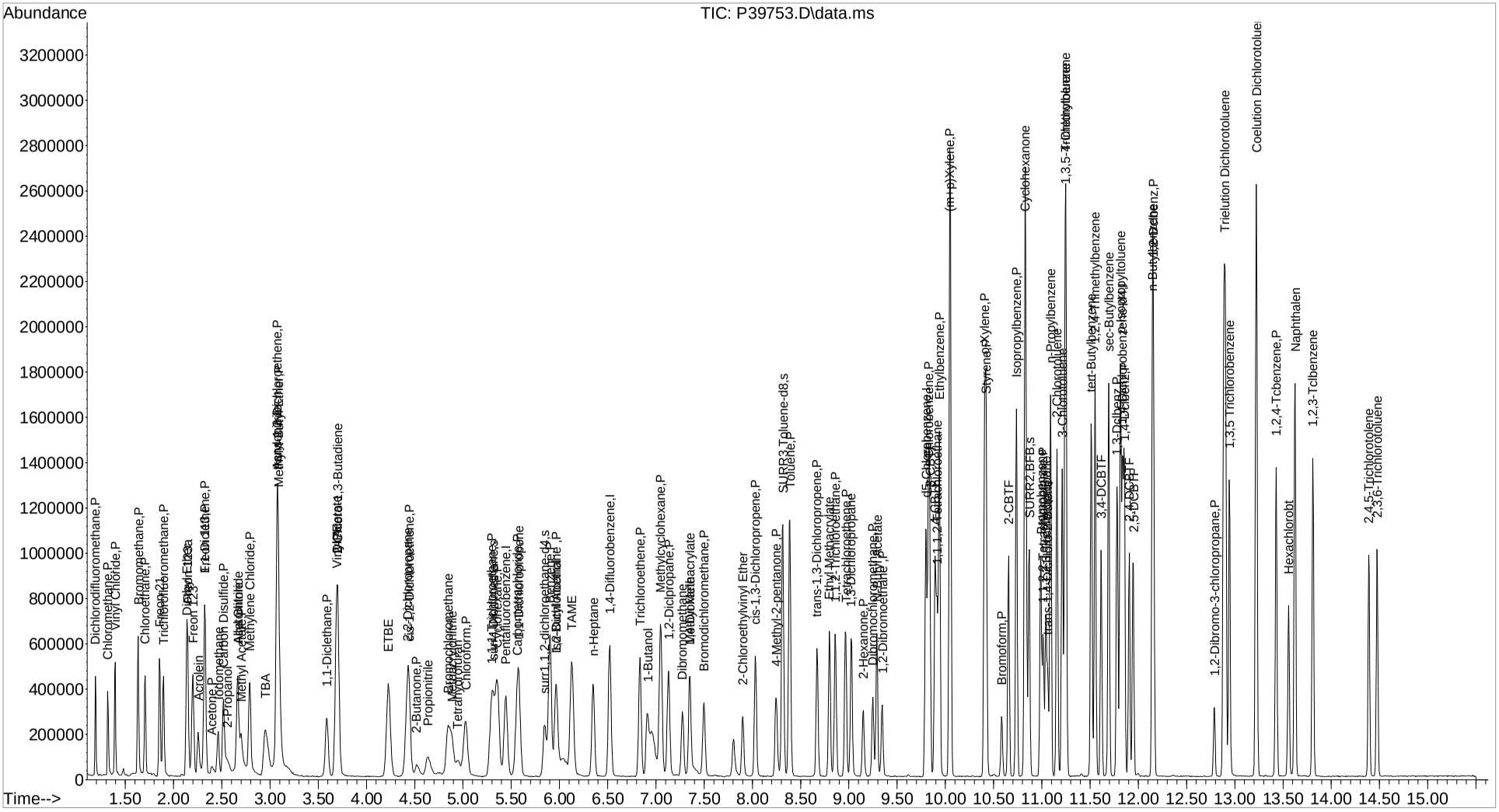
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

09/18/20 1st
09/22/20 2nd

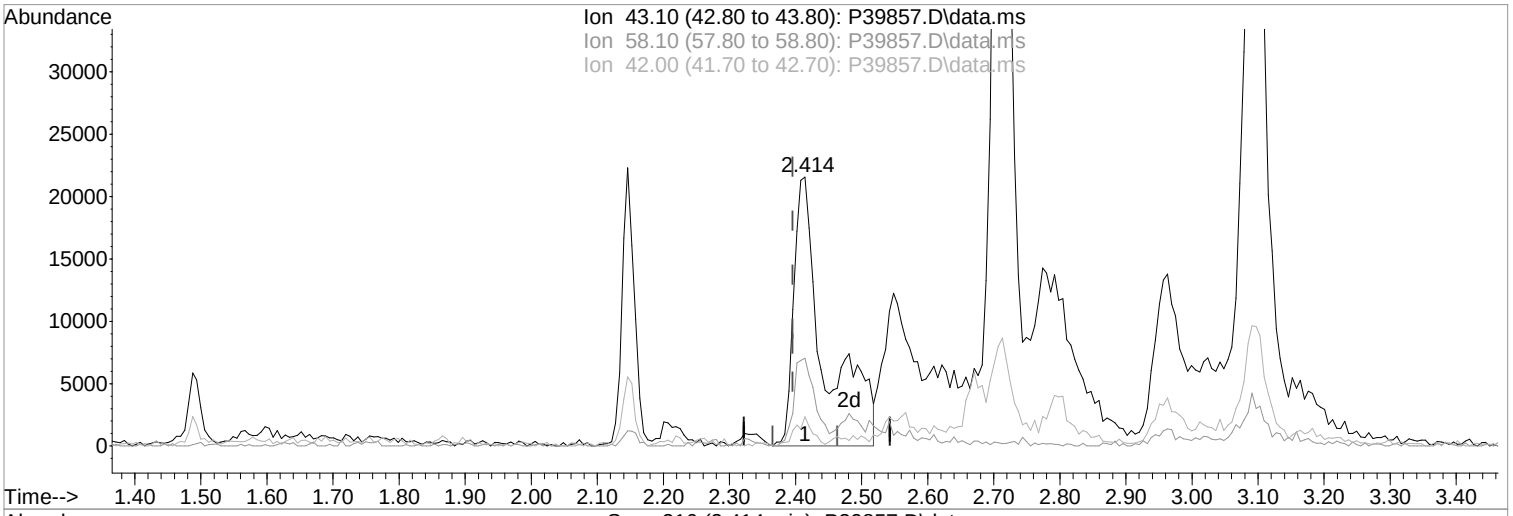


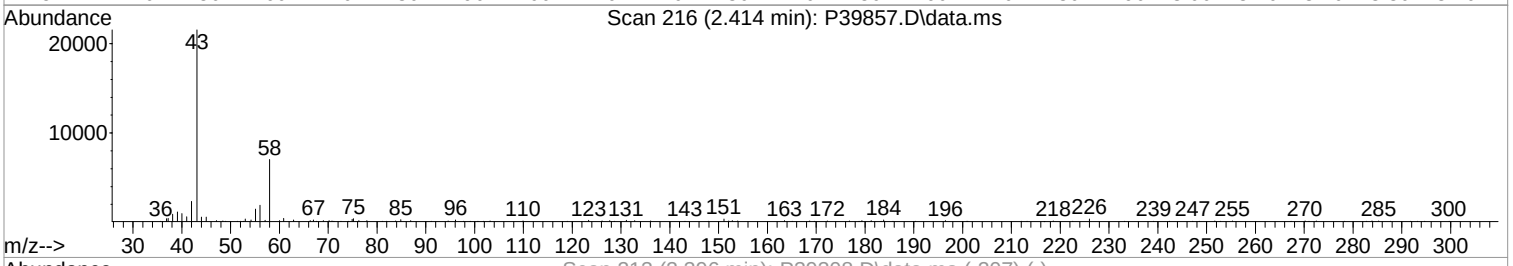
1st 09/21/20
2nd 09/24/20

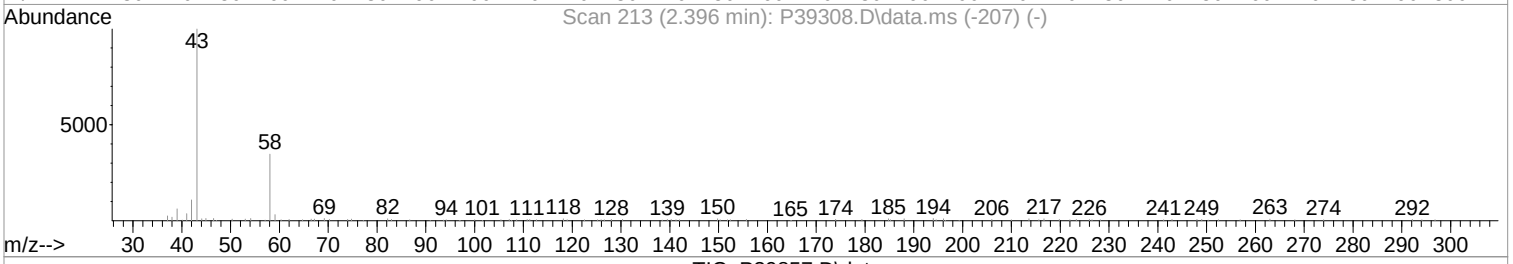
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(15) Acetone (P)

2.414min (+0.018) 45.27 ppb m

response 70173

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	32.66
42.00	11.40	10.85
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

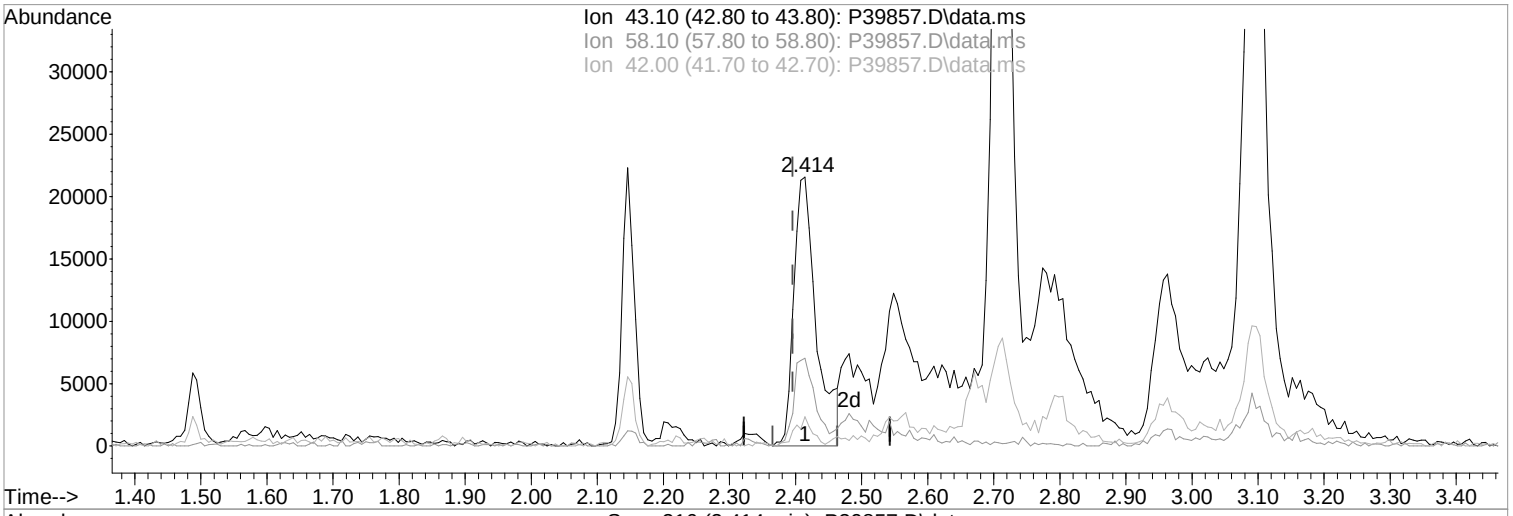
09/21/20

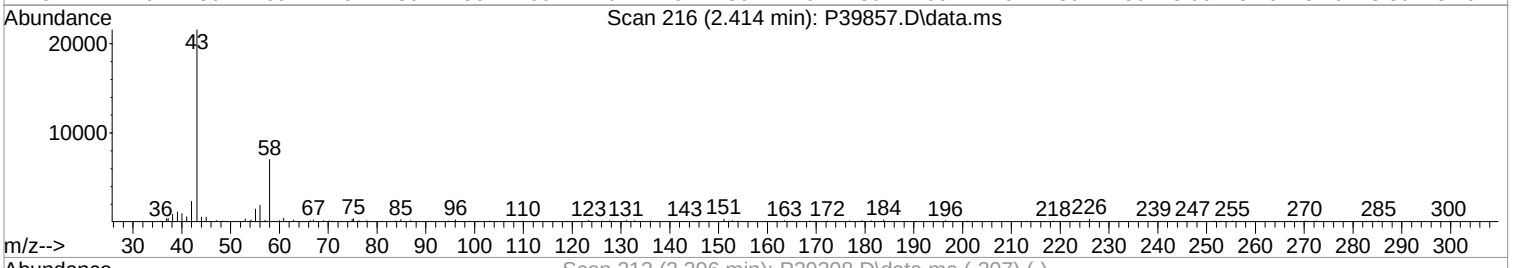
1st 09/21/20
2nd 09/24/20

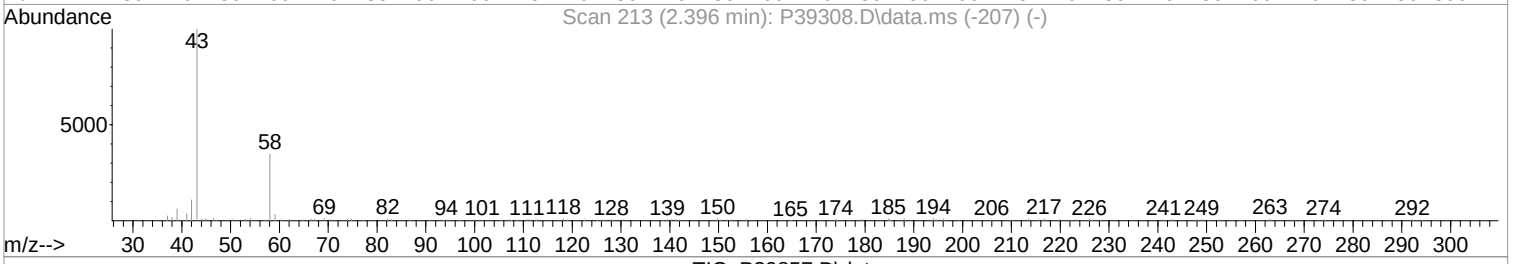
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(15) Acetone (P)

2.414min (+0.018) 32.85 ppb

response 50920

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	32.66
42.00	11.40	10.85
0.00	0.00	0.00

Manual Integration:

Before

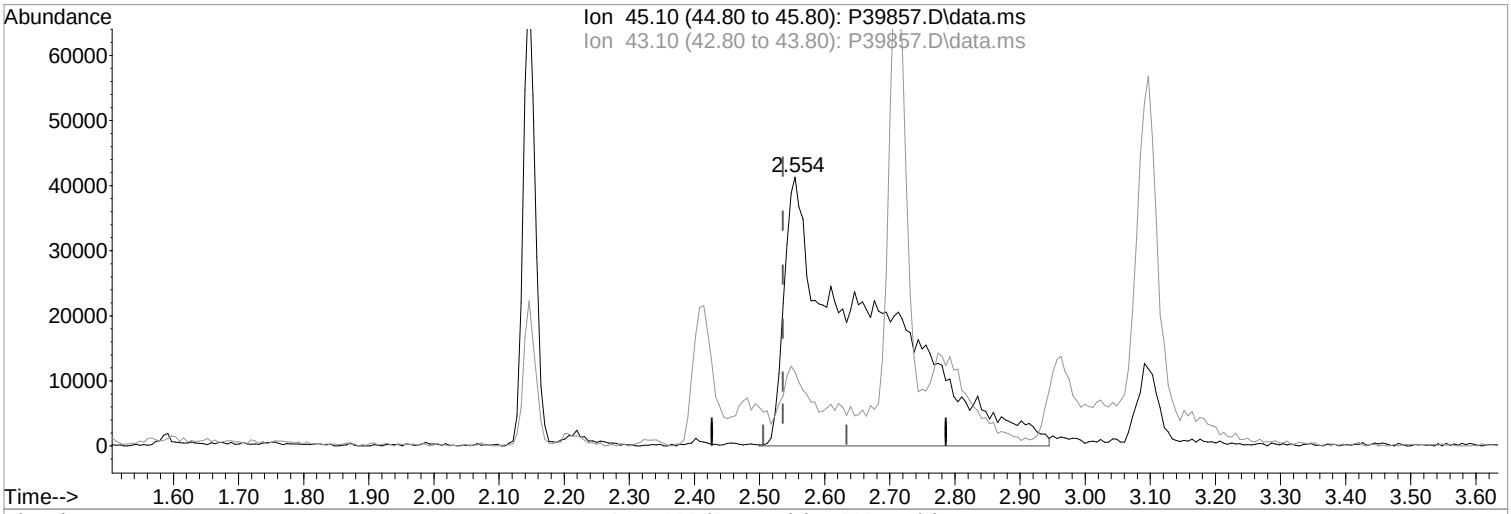
09/21/20

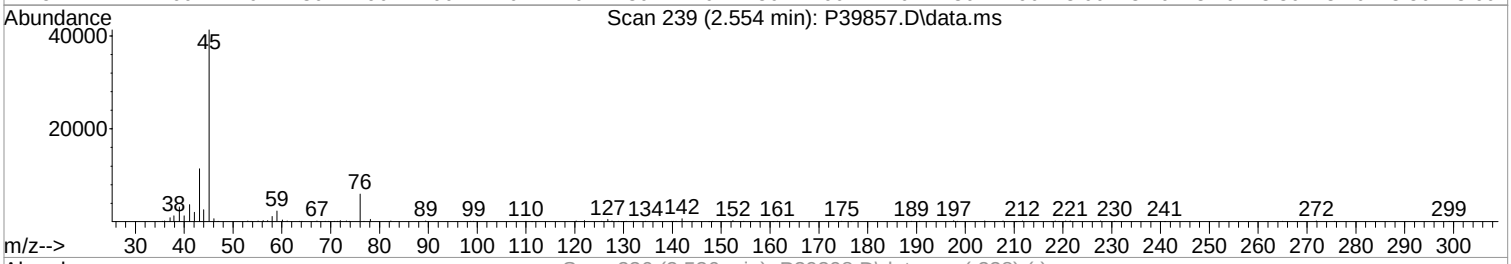
1st 09/21/20
2nd 09/24/20

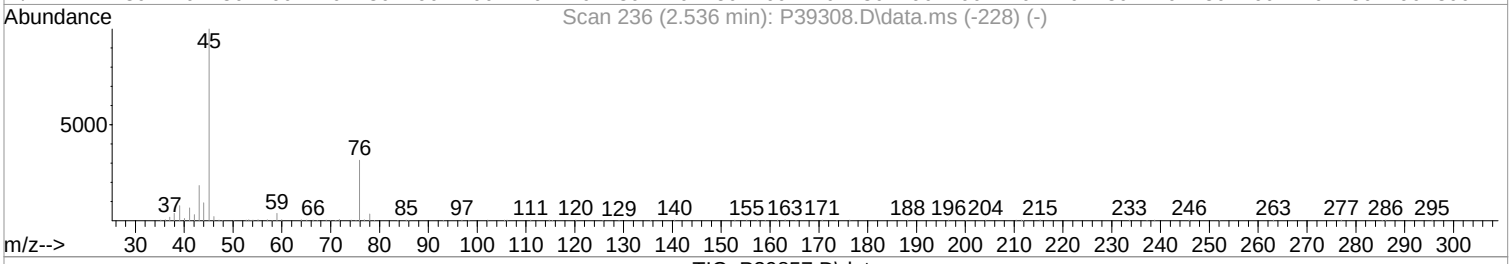
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 985.14 ppb m

response 379673

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	27.56
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

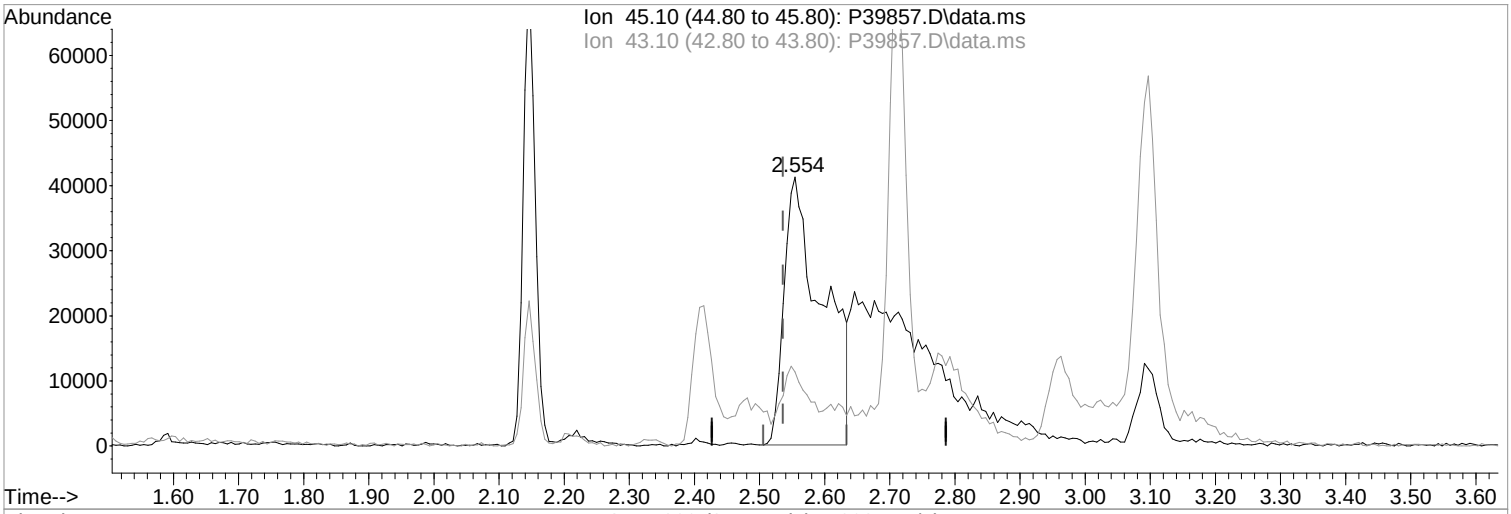
09/21/20

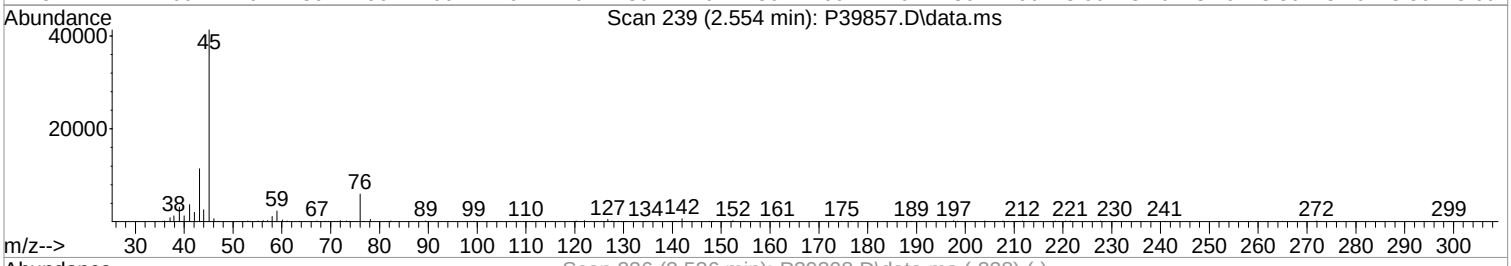
1st 09/21/20
2nd 09/24/20

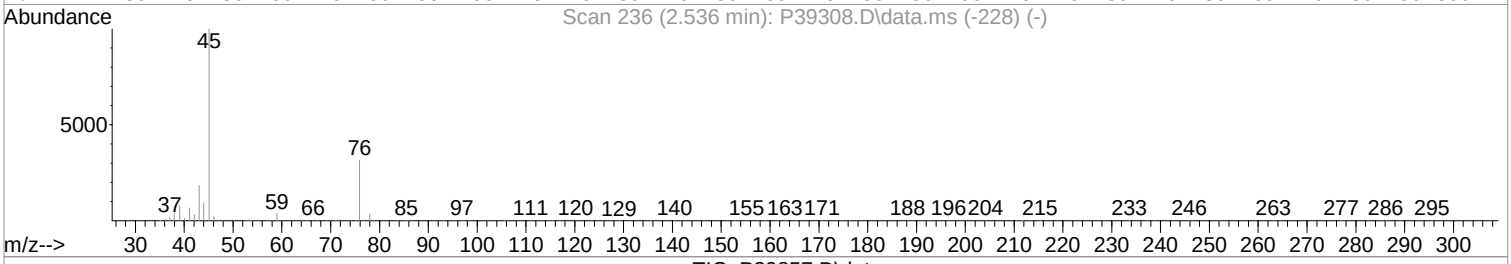
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 438.24 ppb

response 168898

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	27.56
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

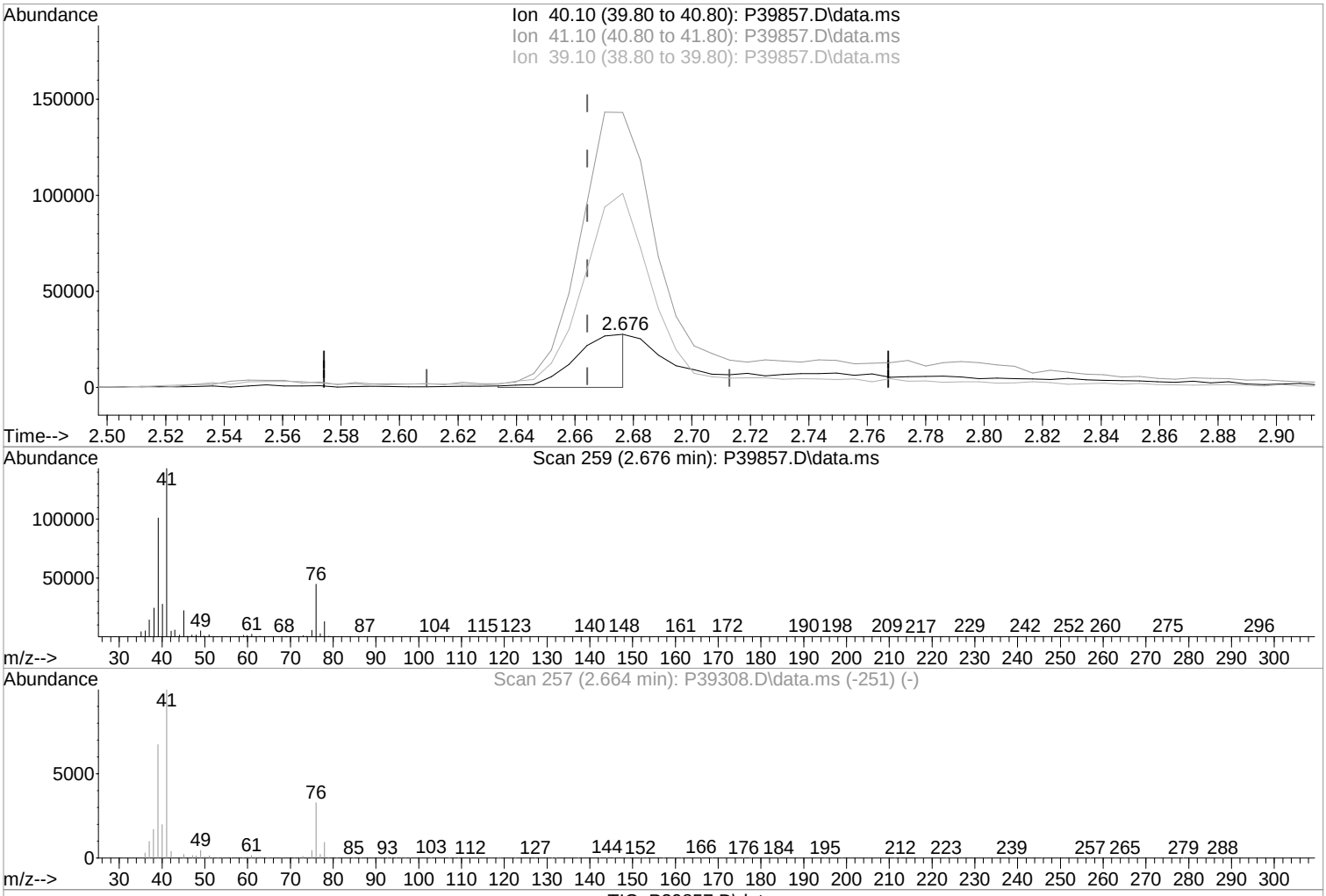
Before

09/21/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39857.D\data.ms

(19) Acetonitrile

2.676min (+0.012) 286.02 ppb m

response 35430

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	517.01
39.10	343.30	364.60#
0.00	0.00	0.00

Manual Integration:

After

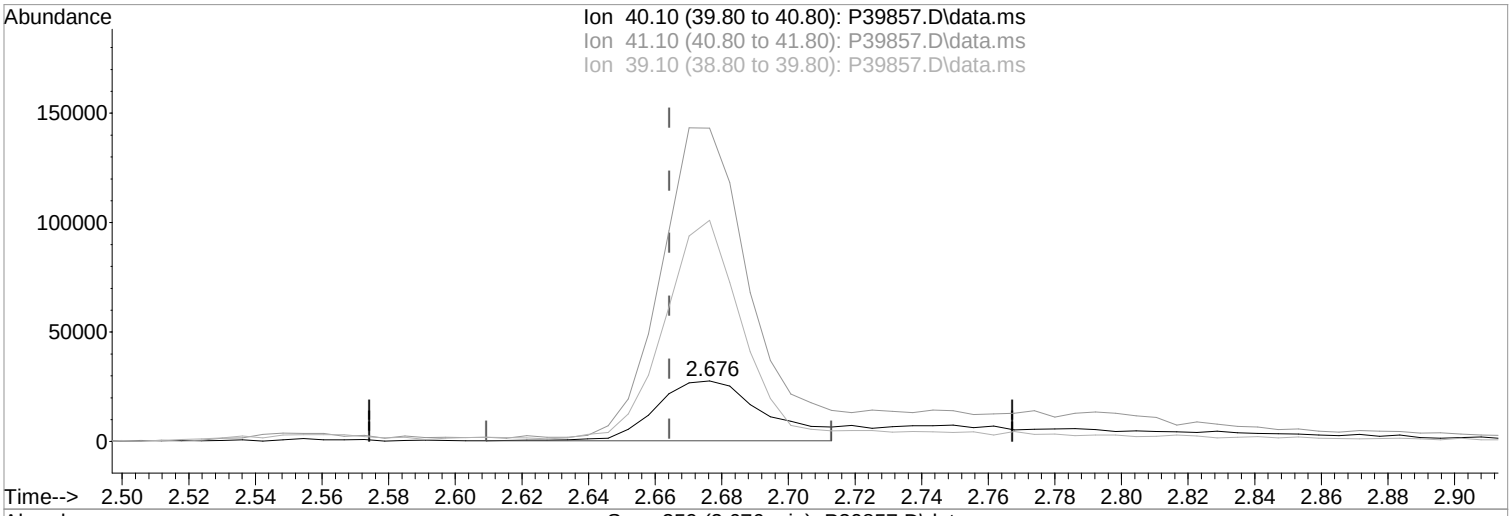
Poor integration.

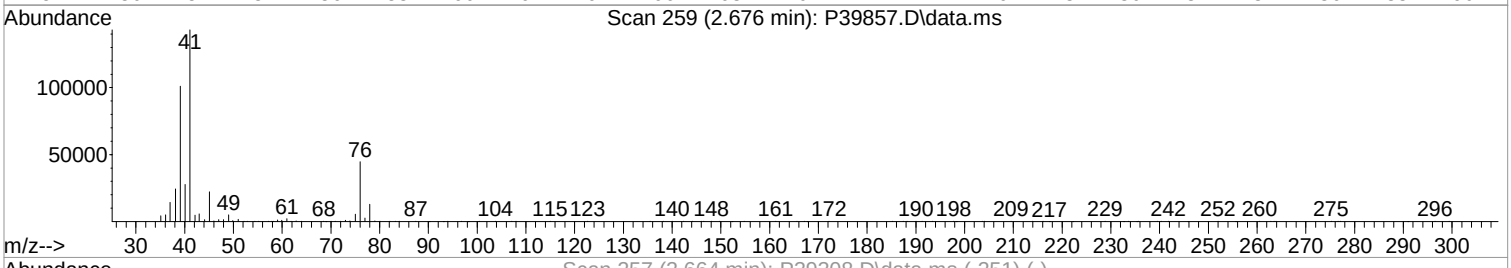
09/21/20

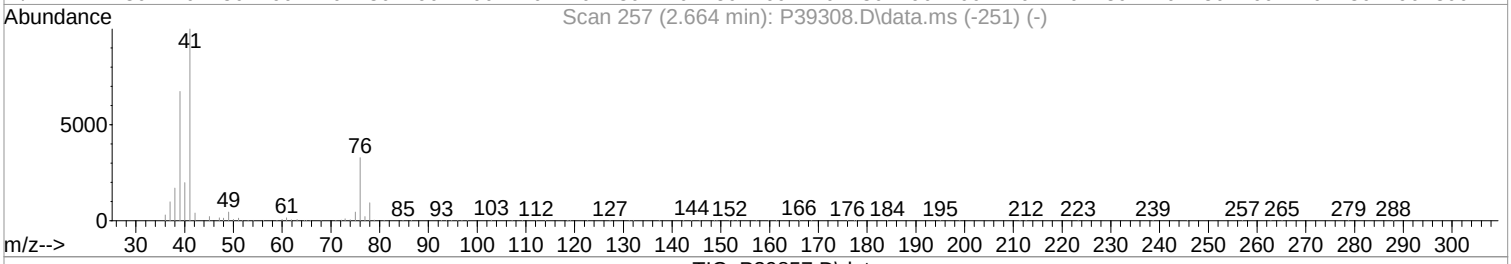
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(19) Acetonitrile

2.676min (+0.012) 504.03 ppb

response 62435

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	517.01
39.10	343.30	364.60#
0.00	0.00	0.00

Manual Integration:

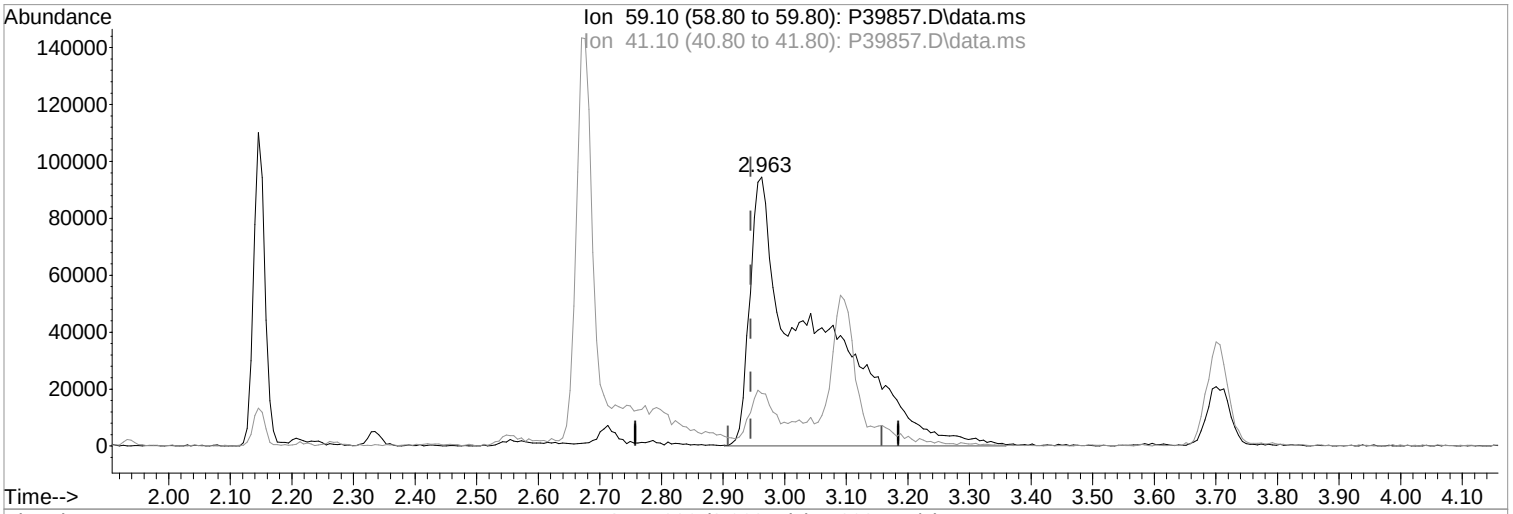
Before

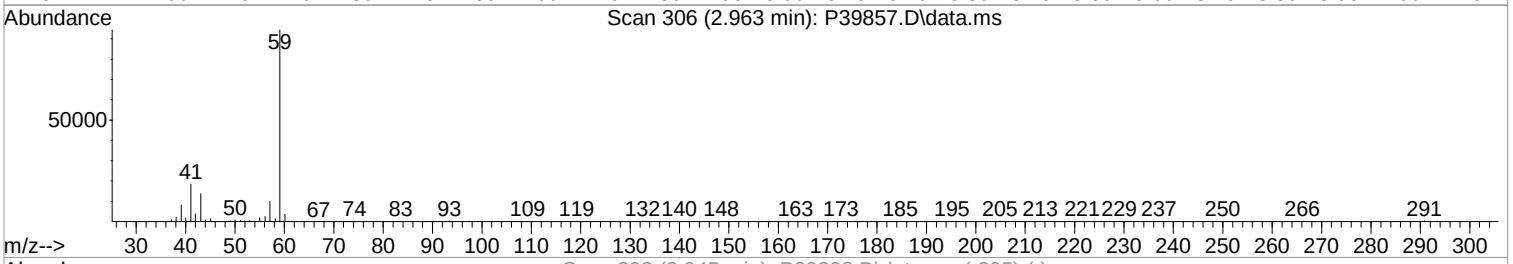
09/21/20

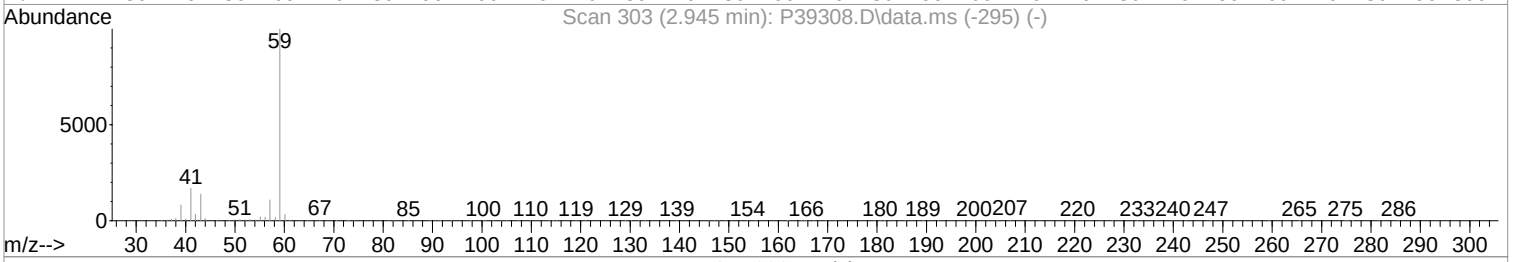
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(23) TBA

2.963min (+0.018) 940.92 ppb m

response 678396

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	19.56
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

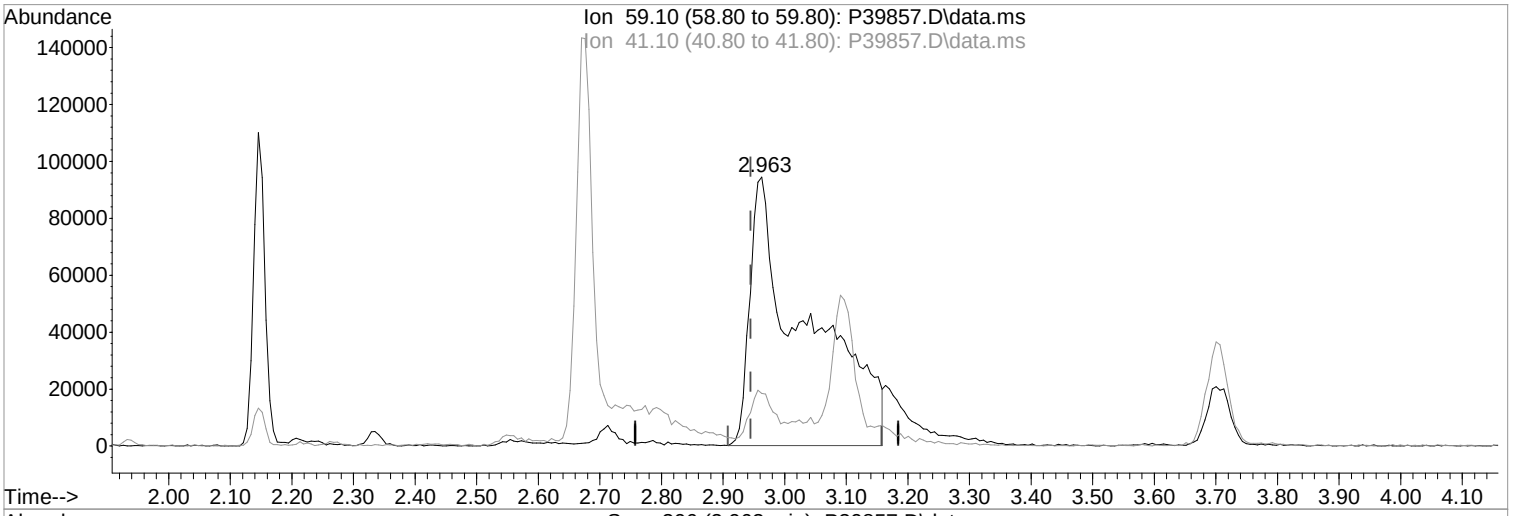
Poor integration.

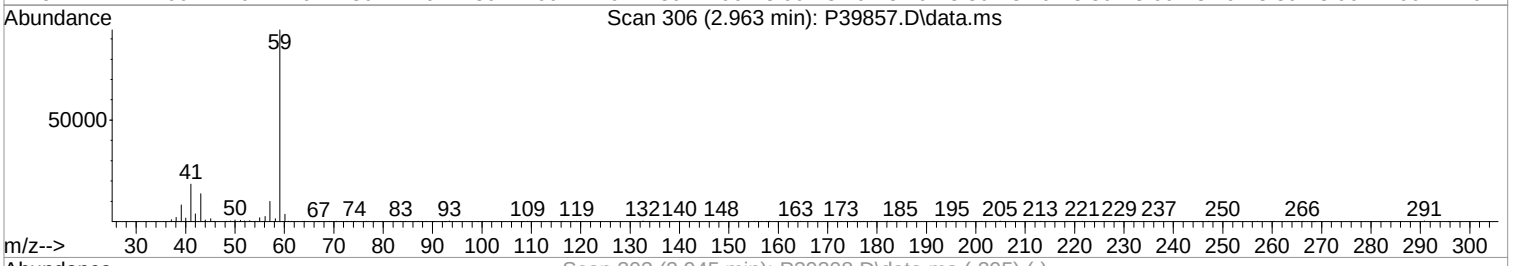
09/21/20

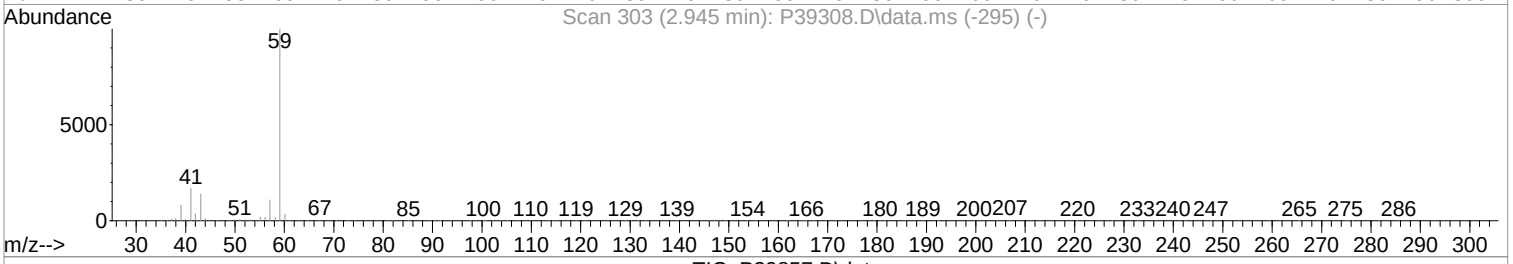
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(23) TBA

2.963min (+0.018) 834.03 ppb

response 601332

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	19.56
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

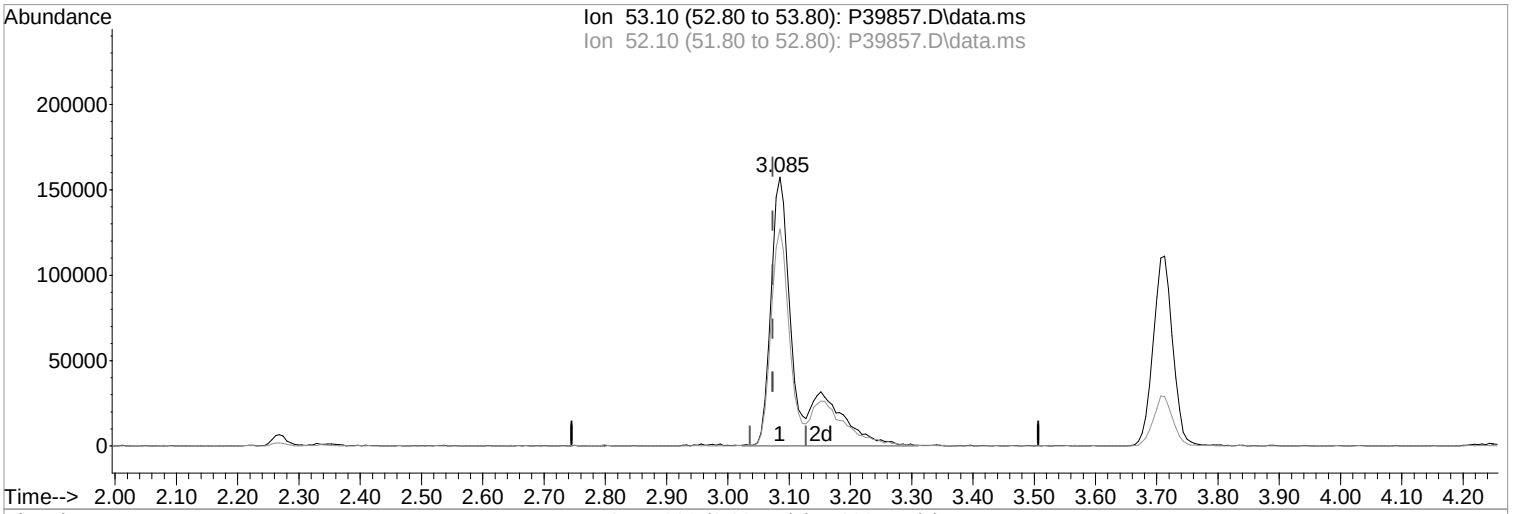
09/21/20

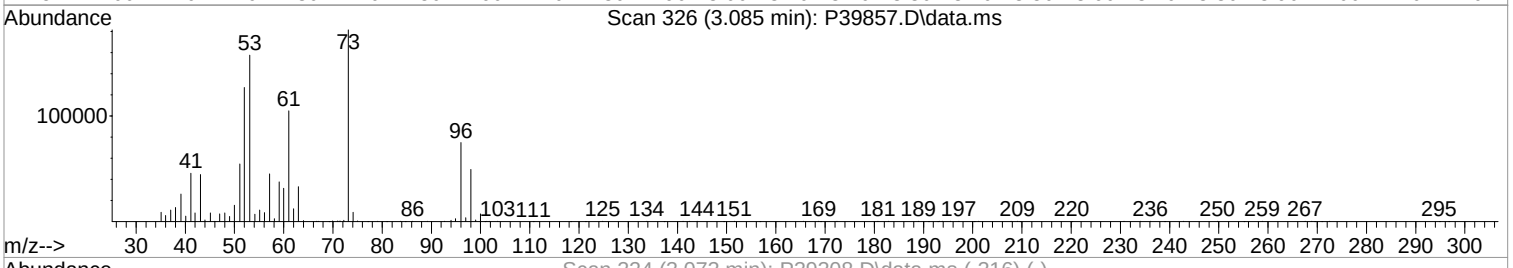
1st 09/21/20
2nd 09/24/20

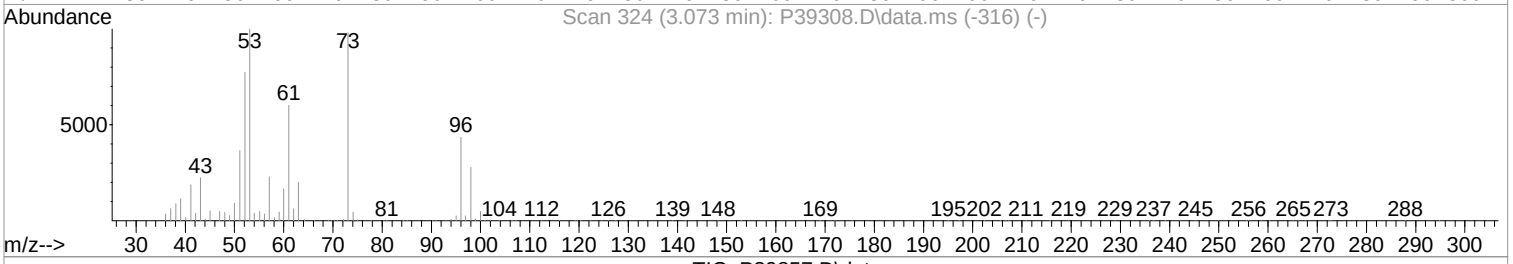
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(24) Acrylonitrile

3.085min (+0.012) 264.92 ppb m

response 455048

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	80.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

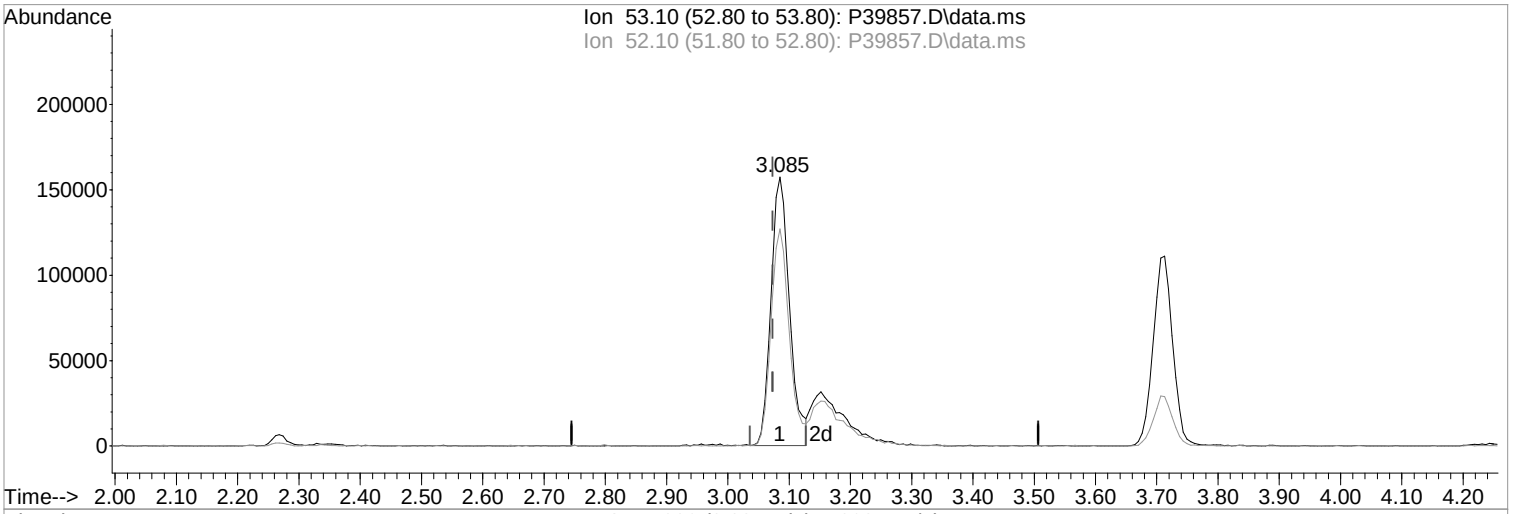
09/21/20

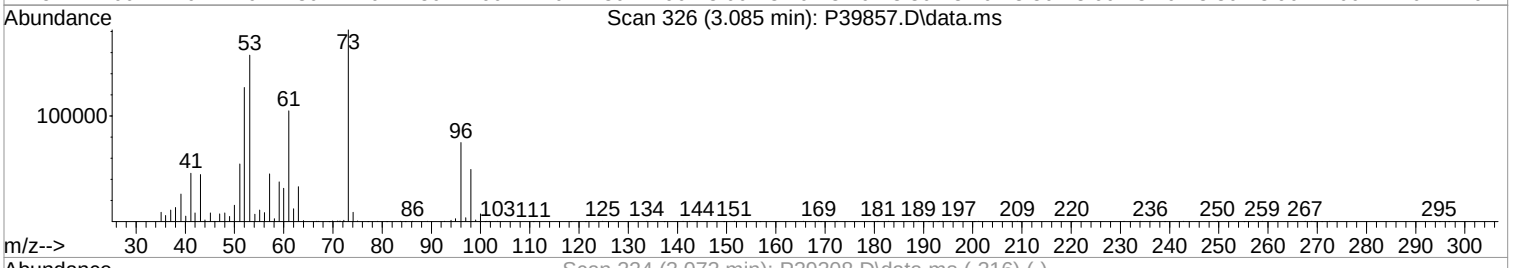
1st 09/21/20
2nd 09/24/20

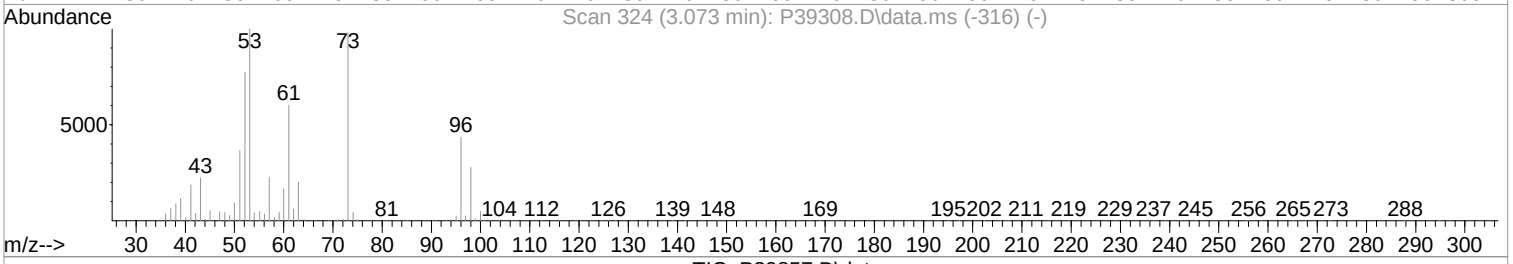
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(24) Acrylonitrile

3.085min (+0.012) 192.27 ppb

response 330263

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	80.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

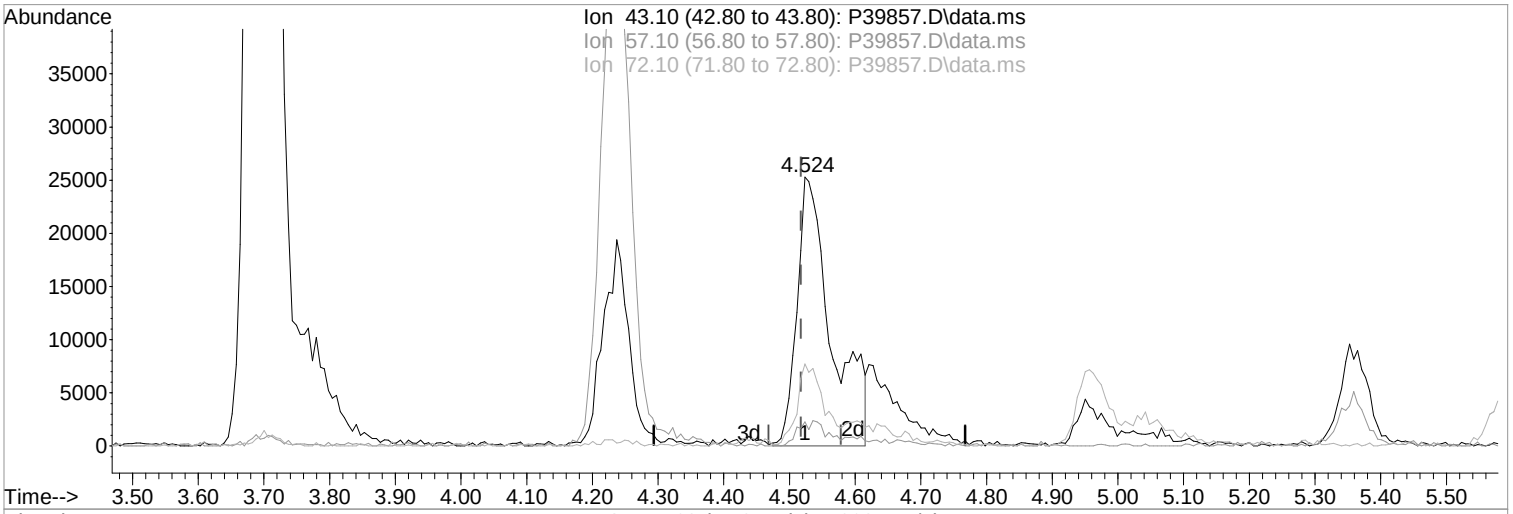
Before

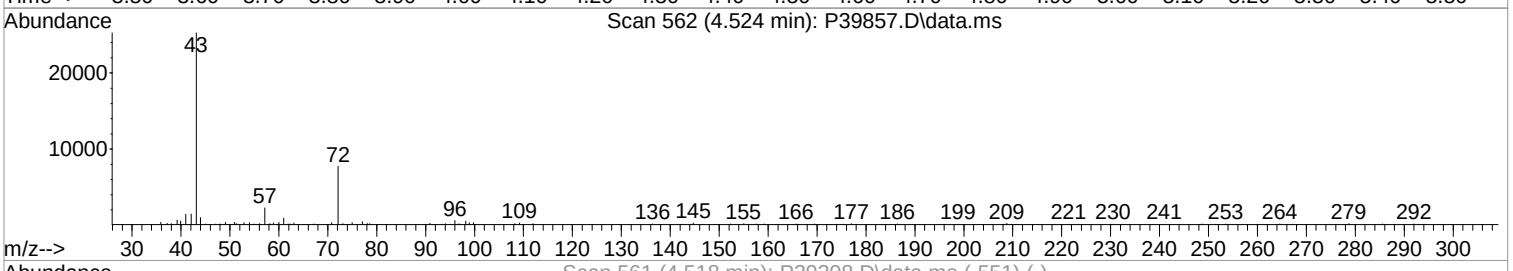
09/21/20

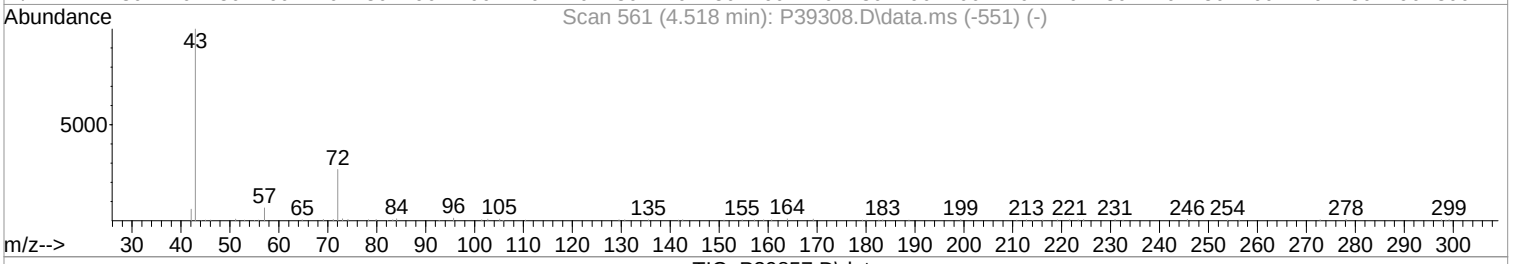
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(35) 2-Butanone (P)

4.524min (+0.006) 43.98 ppb m

response 92204

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	8.93
72.10	28.40	30.52
0.00	0.00	0.00

Manual Integration:

After

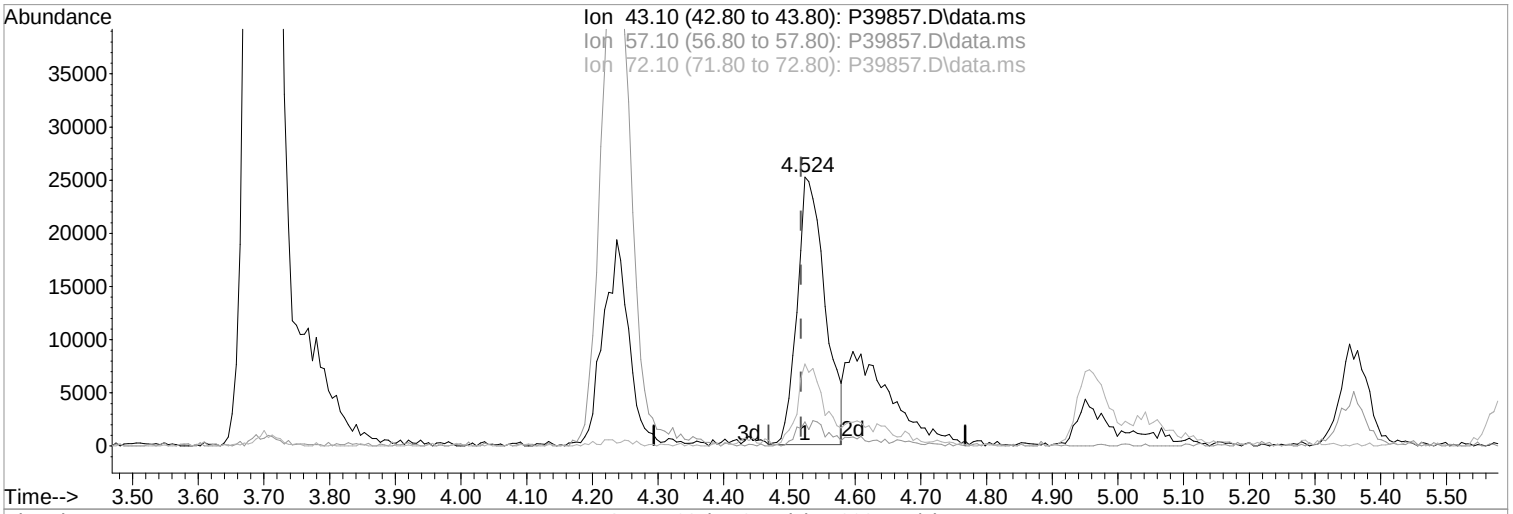
Poor integration.

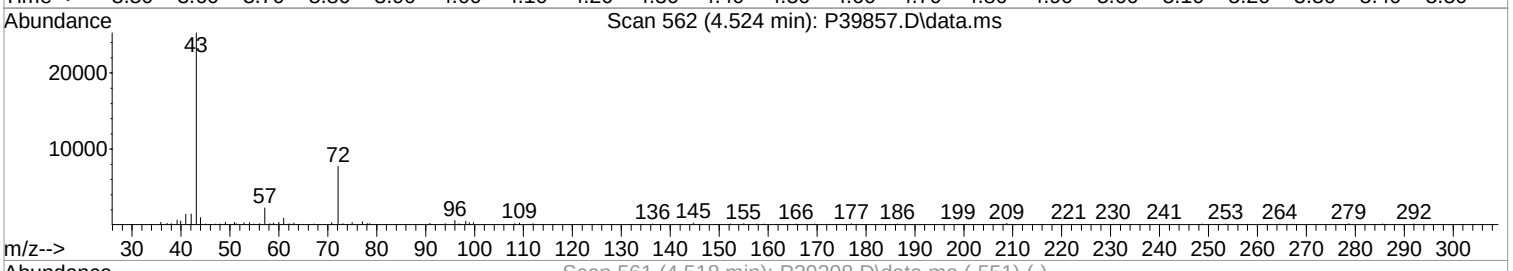
09/21/20

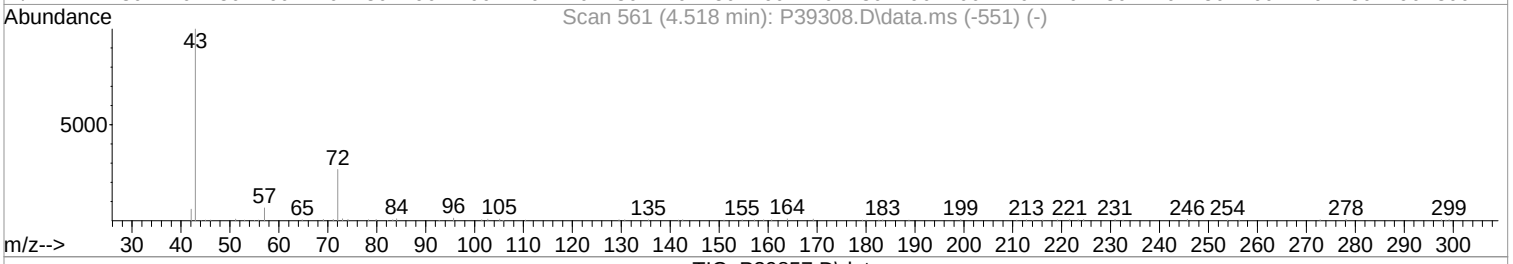
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(35) 2-Butanone (P)

4.524min (+0.006) 35.22 ppb

response 73844

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	8.93
72.10	28.40	30.52
0.00	0.00	0.00

Manual Integration:

Before

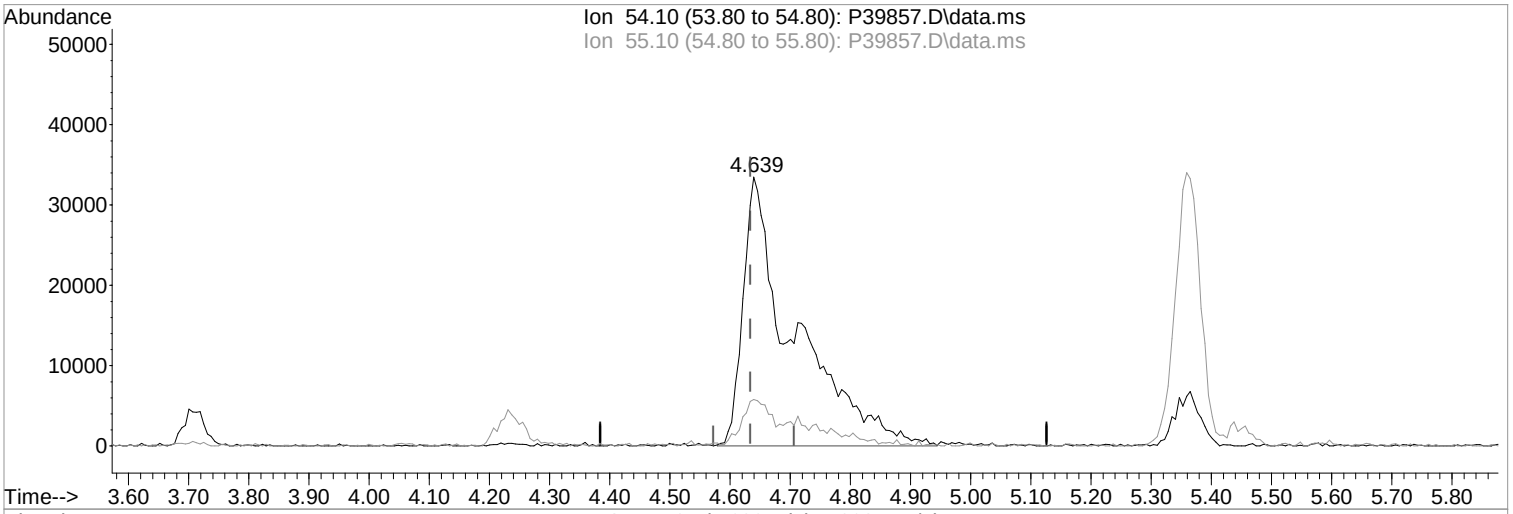
09/21/20

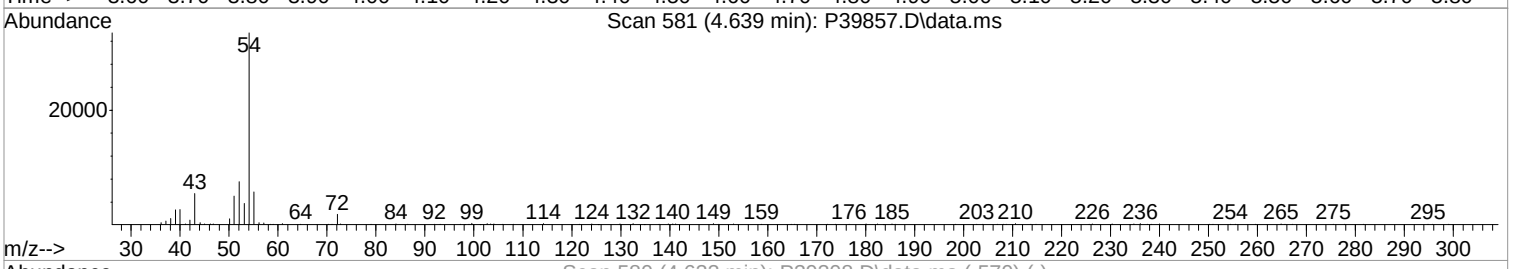
1st 09/21/20
2nd 09/24/20

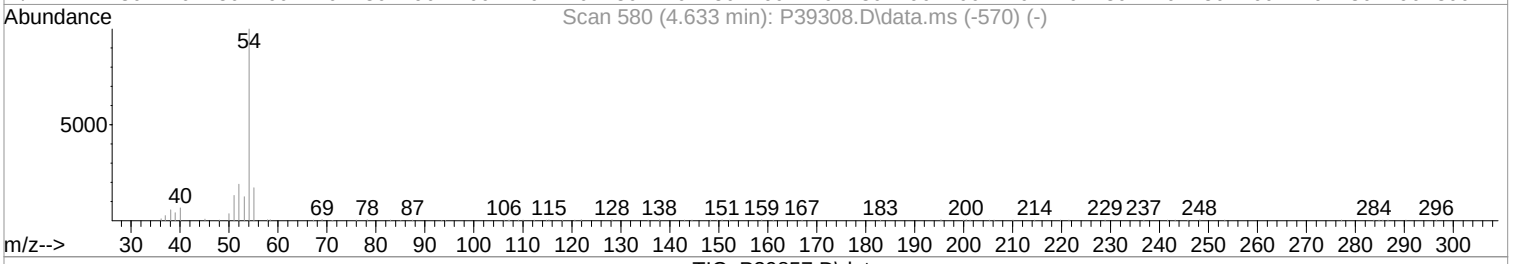
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(36) Propionitrile

4.639min (+0.006) 241.76 ppb m

response 197386

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	17.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

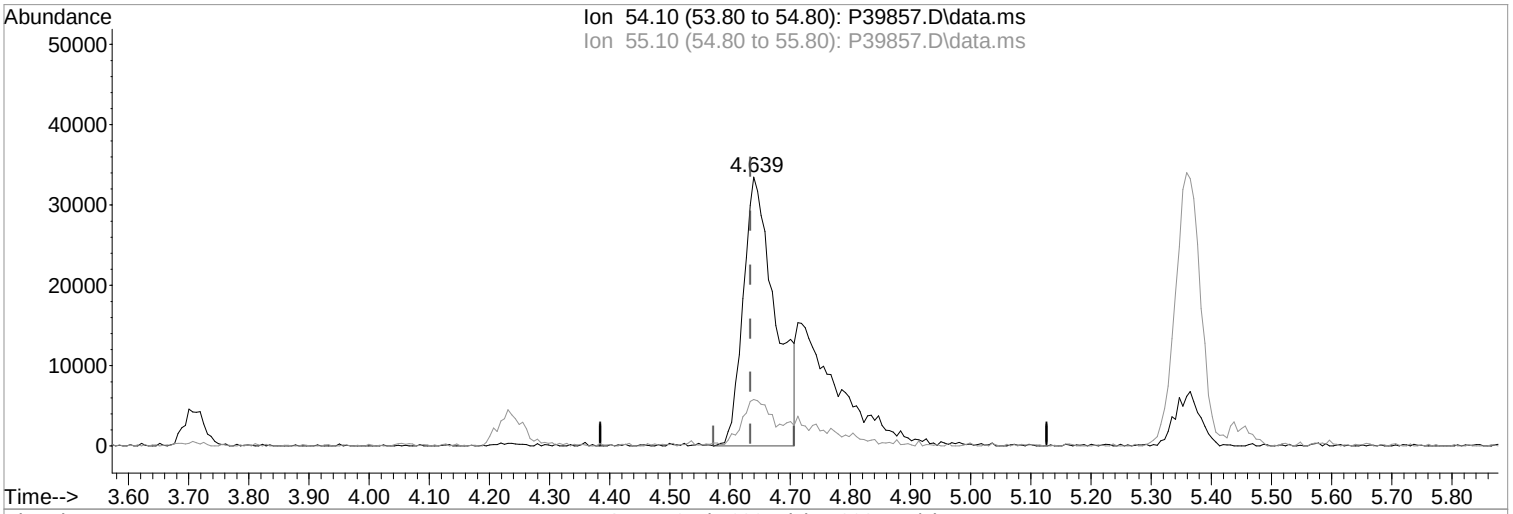
Split Peak

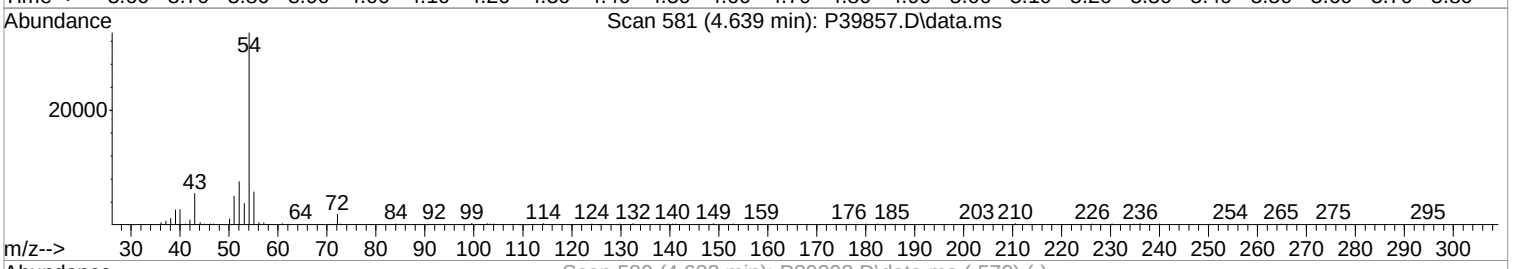
09/21/20

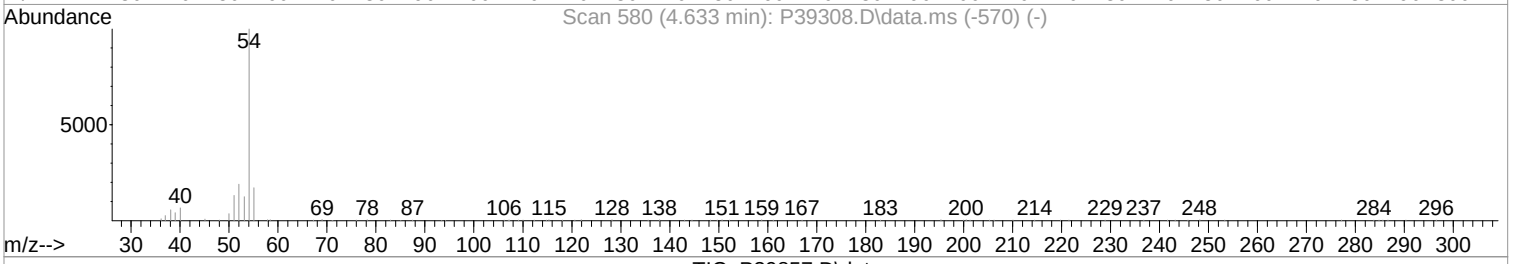
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(36) Propionitrile

4.639min (+0.006) 150.79 ppb

response 123111

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	17.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

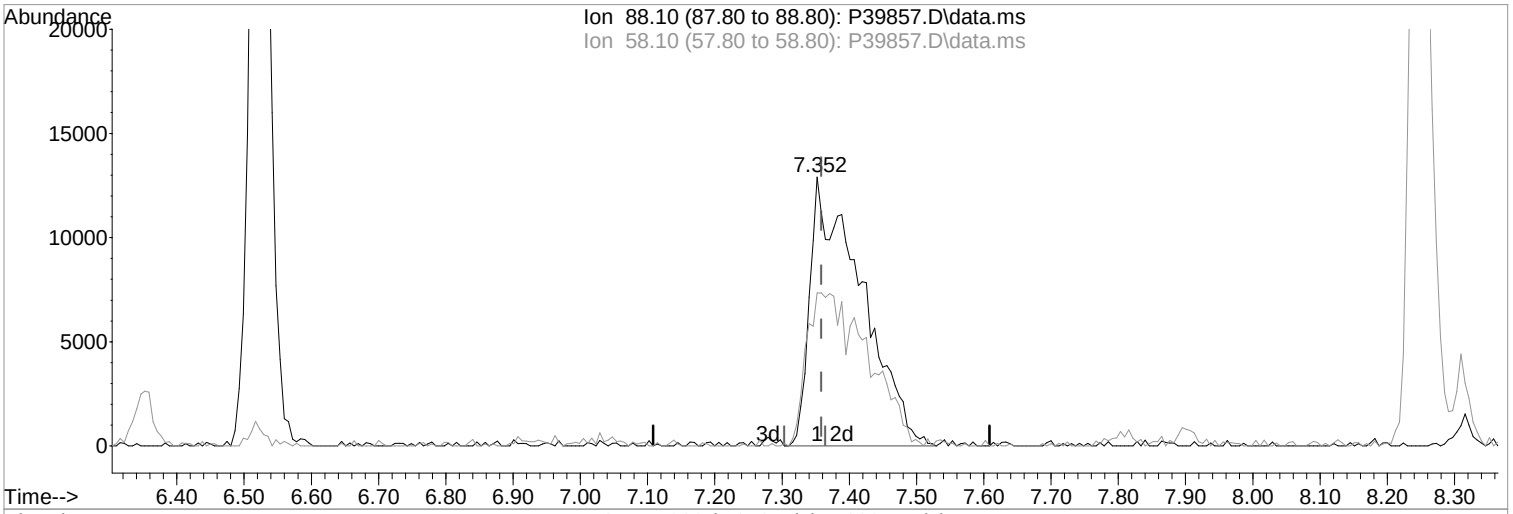
09/21/20

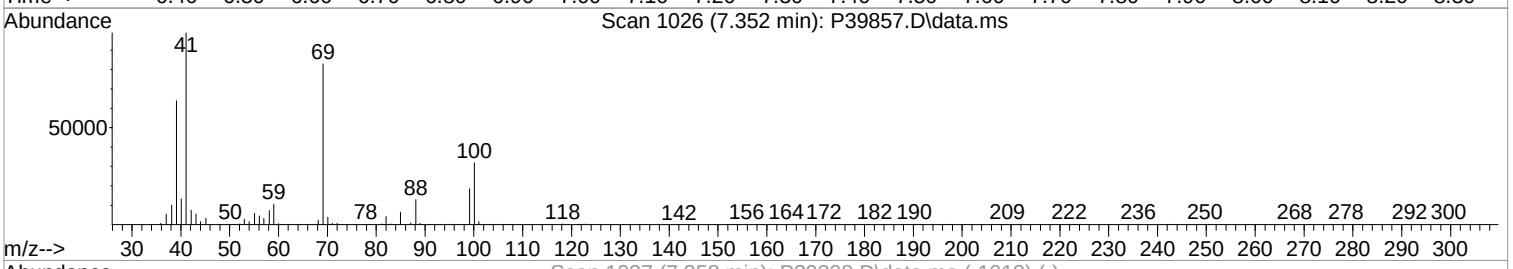
1st 09/21/20
2nd 09/24/20

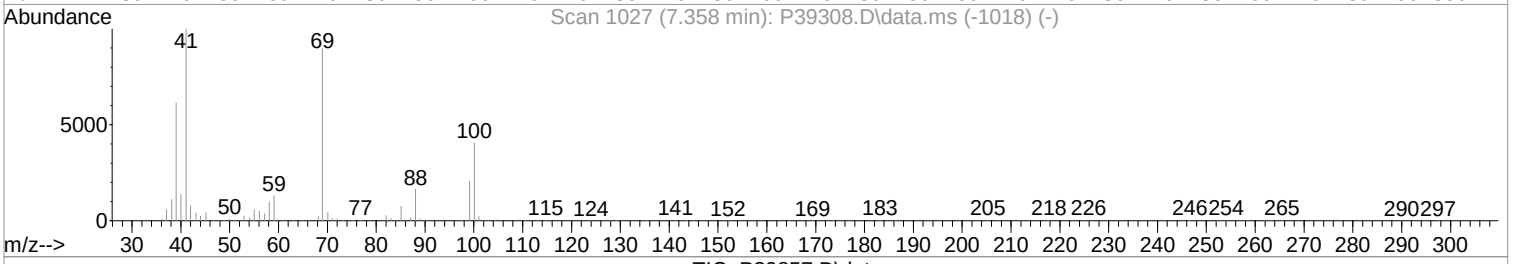
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(58) 1,4-Dioxane

7.352min (-0.006) 824.24 ppb m

response 68653

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	56.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

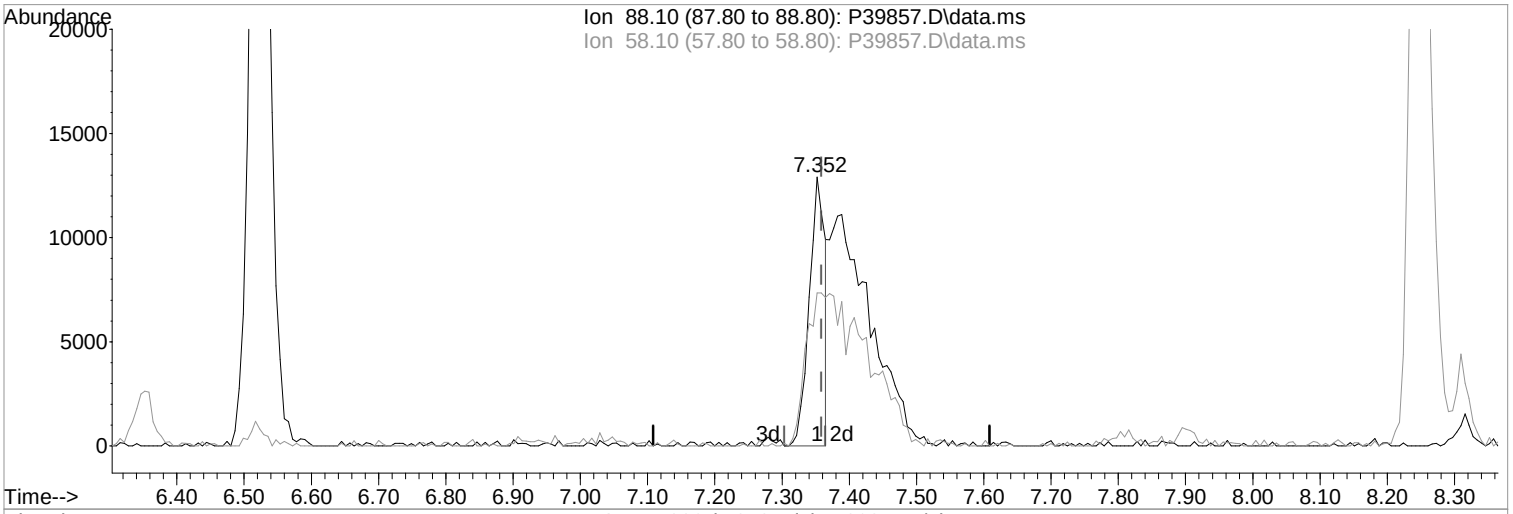
Poor integration.

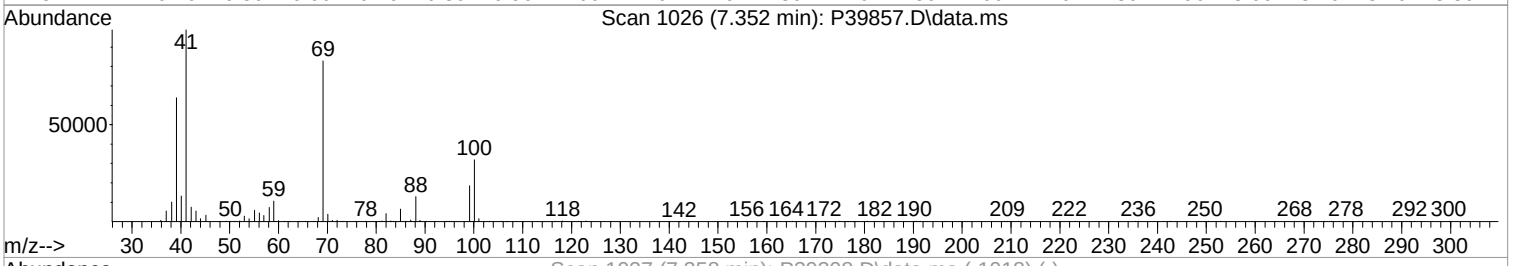
09/21/20

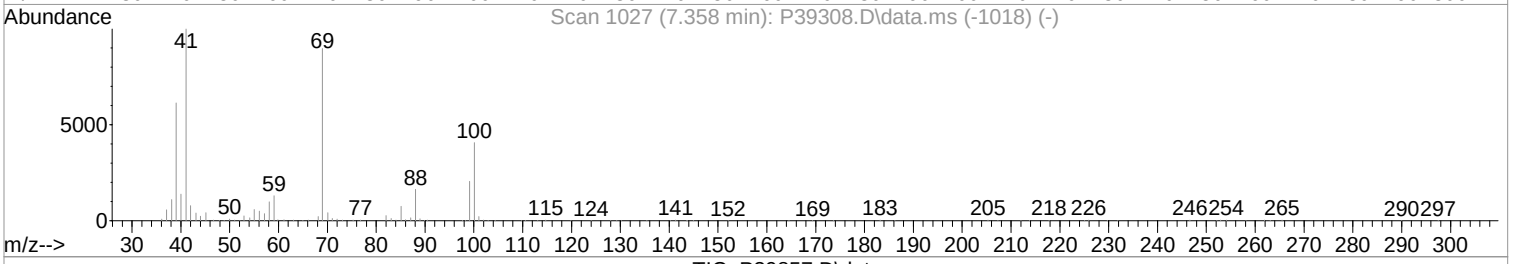
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:57:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39857.D\data.ms

(58) 1,4-Dioxane

7.352min (-0.006) 250.85 ppb

response 20894

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	56.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/21/20

1st 09/21/20
2nd 09/24/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:00:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.0000	50.0000	0.0	96	0.00
2	P	Dichlorodifluoromethane	50.0000	44.4217	11.2	83	0.01
3	P	Chloromethane	50.0000	45.0047	10.0	87	0.01
4	P	Vinyl Chloride	50.0000	52.7629	-5.5	97	0.01
5	P	Bromomethane	50.0000	40.6344	18.7	75	0.01
6	P	Chloroethane	50.0000	54.5315	-9.1	103	0.01
7		Freon 21	50.0000	49.8479	0.3	96	0.01
8	P	Trichlorofluoromethane	50.0000	45.3813	9.2	90	0.02
9		Diethyl Ether	50.0000	48.1548	3.7	95	0.01
10		Freon 123a	50.0000	50.3029	-0.6	101	0.01
11		Freon 123	50.0000	49.2052	1.6	98	0.02
12		Acrolein	250.0000	189.1851	24.3#	74	0.01
13	P	1,1-Diclethene	50.0000	45.7150	8.6	89	0.01
14	P	Freon 113	50.0000	48.5300	2.9	91	0.01
15	P	Acetone	50.0000	45.2694	9.5	94	0.02
16		2-Propanol	1000.0000	985.1383	1.5	93	0.02
17		Iodomethane	50.0000	53.5796	-7.2	122	0.02
18	P	Carbon Disulfide	50.0000	47.5451	4.9	92	0.01
19		Acetonitrile	250.0000	286.0204	-14.4	94	0.01
20		Allyl Chloride	50.0000	46.4221	7.2	89	0.01
21	P	Methyl Acetate	50.0000	39.7008	20.6#	81	0.00
22	P	Methylene Chloride	50.0000	47.4434	5.1	94	0.01
23		TBA	1000.0000	940.9184	5.9	90	0.02
24		Acrylonitrile	250.0000	264.9178	-6.0	99	0.01
25	P	Methyl-t-Butyl Ether	50.0000	50.7024	-1.4	97	0.01
26	P	trans-1,2-Dichloroethene	50.0000	46.6132	6.8	89	0.01
27		Halothane	-1.0000	0.0000	0.0	0	-0.01
28	P	1,1-Diclethane	50.0000	51.2559	-2.5	95	0.01
29		Vinyl Acetate	50.0000	51.2539	-2.5	92	0.01
30		DIPE	50.0000	52.0558	-4.1	102	0.00
31		2-Chloro-1,3-Butadiene	50.0000	49.3082	1.4	97	0.01
32		ETBE	50.0000	53.1466	-6.3	97	0.01
33		2,2-Dichloropropane	50.0000	48.8971	2.2	89	0.00
34	P	cis-1,2-Dichloroethene	50.0000	48.3548	3.3	92	0.00
35	P	2-Butanone	50.0000	43.9781	12.0	88	0.00
36		Propionitrile	250.0000	241.7617	3.3	96	0.00
37		Bromochloromethane	50.0000	46.8525	6.3	86	0.00
38		Methacrylonitrile	50.0000	41.5530	16.9	86	0.00
39		Tetrahydrofuran	50.0000	46.2770	7.4	91	0.00
40	P	Chloroform	50.0000	47.0564	5.9	93	0.01
41	P	1,1,1-Trichloroethane	50.0000	45.8869	8.2	87	0.00
42		TAME	50.0000	51.8440	-3.7	96	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	103	0.00
44	P	Cyclohexane	50.0000	49.7229	0.6	106	0.00
45	s	surr4,Dibrflmethane	50.0000	51.5703	-3.1	103	0.00
46	P	Carbontetrachloride	50.0000	44.8916	10.2	86	0.00
47		1,1-Dichloropropene	50.0000	47.5628	4.9	93	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	50.6673	-1.3	105	0.00
49	P	Benzene	50.0000	47.1952	5.6	96	0.00
50	P	1,2-Dichloroethane	50.0000	47.9743	4.1	100	0.00
51		Iso-Butyl Alcohol	1000.0000	1035.8559	-3.6	110	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:00:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.0000	48.6857	2.6	103	0.00
53		1-Butanol	2500.0000	2604.8838	-4.2	105	0.00
54	P	Trichloroethene	50.0000	40.6866	18.6	85	0.00
55	P	Methylcyclohexane	50.0000	55.0363	-10.1	106	0.00
56	P	1,2-Diclpropane	50.0000	48.3533	3.3	99	0.00
57		Dibromomethane	50.0000	43.7621	12.5	93	0.00
58		1,4-Dioxane	1000.0000	824.2364	17.6	82	0.00
59		Methyl Methacrylate	50.0000	46.4291	7.1	95	0.00
60	P	Bromodichloromethane	50.0000	43.8593	12.3	91	0.00
61		2-Nitropropane	-1.0000	0.0000	0.0	76	0.00
62		2-Chloroethylvinyl Ether	50.0000	59.5350	-19.1	120	0.00
63	P	cis-1,3-Dichloropropene	50.0000	48.5944	2.8	95	0.00
64	P	4-Methyl-2-pentanone	50.0000	47.5661	4.9	96	0.00
65	s	SURR3,Toluene-d8	50.0000	52.5250	-5.0	106	0.00
66	P	Toluene	50.0000	46.7898	6.4	93	0.00
67	P	trans-1,3-Dichloropropene	50.0000	48.2799	3.4	93	0.00
68		Ethyl Methacrylate	50.0000	47.2665	5.5	96	0.00
69	P	1,1,2-Trichloroethane	50.0000	49.1241	1.8	98	0.00
70	s	SURR2,BFB	50.0000	51.8652	-3.7	104	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	102	0.00
72	P	Tetrachloroethene	50.0000	41.5645	16.9	84	0.00
73	P	2-Hexanone	50.0000	47.4028	5.2	97	0.00
74		1,3-Dichloropropane	50.0000	47.1586	5.7	99	0.00
75	P	Dibromochloromethane	50.0000	45.3712	9.3	85	0.00
76		N-Butyl Acetate	50.0000	49.3657	1.3	100	0.00
77	P	1,2-Dibromoethane	50.0000	46.1633	7.7	98	0.00
78	P	Chlorobenzene	50.0000	47.2230	5.6	92	0.00
79		3-CBTF	50.0000	45.4847	9.0	92	0.00
80		4-CBTF	50.0000	46.4823	7.0	92	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	44.9661	10.1	87	0.00
82	P	Ethylbenzene	50.0000	47.0063	6.0	92	0.00
83	P	(m+p)Xylene	100.0000	97.3687	2.6	93	0.00
84	P	o-Xylene	50.0000	47.0781	5.8	93	0.00
85	P	Styrene	50.0000	48.5106	3.0	93	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	103	0.00
87	P	Bromoform	50.0000	41.4417	17.1	80	0.00
88		2-CBTF	50.0000	45.2322	9.5	92	0.00
89	P	Isopropylbenzene	50.0000	46.5439	6.9	91	0.00
90		Cyclohexanone	1000.0000	866.0595	13.4	88	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	51.7730	-3.5	101	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	52.1843	-4.4	102	0.00
93		Bromobenzene	50.0000	43.3934	13.2	87	0.00
94		1,2,3-Trichloropropane	50.0000	43.8867	12.2	90	0.00
95		n-Propylbenzene	50.0000	49.3078	1.4	94	0.00
96		2-Chlorotoluene	50.0000	46.2507	7.5	95	0.00
97		3-Chlorotoluene	50.0000	49.4103	1.2	99	0.00
98		4-Chlorotoluene	50.0000	46.4374	7.1	95	0.00
99		1,3,5-Trimethylbenzene	50.0000	46.9413	6.1	91	0.00
100		tert-Butylbenzene	50.0000	46.0072	8.0	90	0.00
101		1,2,4-Trimethylbenzene	50.0000	48.4476	3.1	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:00:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-DCBTF	50.0000	44.3992	11.2	89	0.00
103		sec-Butylbenzene	50.0000	48.6655	2.7	93	0.00
104		p-Isopropyltoluene	50.0000	49.1305	1.7	92	0.00
105	P	1,3-Dclbenz	50.0000	46.6071	6.8	92	0.00
106	P	1,4-Dclbenz	50.0000	45.7413	8.5	94	0.00
107		2,4-DCBTF	50.0000	45.4370	9.1	91	0.00
108		2,5-DCBTF	50.0000	45.4910	9.0	90	0.00
109		n-Butylbenzene	50.0000	50.7559	-1.5	96	0.00
110	P	1,2-Dclbenz	50.0000	45.9294	8.1	93	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	42.0215	16.0	78	0.00
112		Trielution Dichlorotoluene	150.0000	148.2899	1.1	96	0.00
113		1,3,5 Trichlorobenzene	50.0000	46.9607	6.1	91	0.00
114		Coelution Dichlorotoluene	100.0000	102.1469	-2.1	96	0.00
115	P	1,2,4-Tcbenzene	50.0000	45.7147	8.6	87	0.00
116		Hexachlorobt	50.0000	41.2694	17.5	81	0.00
117		Naphthalen	50.0000	50.2890	-0.6	92	0.00
118		1,2,3-Tclbenzene	50.0000	46.3262	7.3	89	0.00
119		2,4,5-Trichlorotolene	50.0000	50.4039	-0.8	95	0.00
120		2,3,6-Trichlorotoluene	50.0000	51.2641	-2.5	98	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:00:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	321999	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	519016	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	478632	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	265279	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	157113	51.57	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.14%				
48) surr1,1,2-dichloroetha...	5.853	65	206069	50.67	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.34%				
65) SURR3,Toluene-d8	8.315	98	727295	52.52	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 105.04%				
70) SURR2,BFB	10.864	95	278551	51.87	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 103.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	188857	44.42	ppb		99
3) Chloromethane	1.329	50	198068	45.00	ppb		98
4) Vinyl Chloride	1.402	62	281510	52.76	ppb		99
5) Bromomethane	1.640	94	184958	40.63	ppb		99
6) Chloroethane	1.713	64	213224	54.53	ppb		99
7) Freon 21	1.866	67	299840	49.85	ppb		99
8) Trichlorofluoromethane	1.908	101	229164	45.38	ppb		98
9) Diethyl Ether	2.146	59	141859	48.15	ppb		98
10) Freon 123a	2.152	67	174891	50.30	ppb		88
11) Freon 123	2.213	83	198615	49.21	ppb		97
12) Acrolein	2.268	56	158608	189.19	ppb		99
13) 1,1-Diclethene	2.335	96	108501	45.72	ppb		96
14) Freon 113	2.335	101	129904	48.53	ppb		96
15) Acetone	2.414	43	70173m	45.27	ppb		
16) 2-Propanol	2.554	45	379673m	985.14	ppb		
17) Iodomethane	2.475	142	201212	53.58	ppb		94
18) Carbon Disulfide	2.524	76	388257	47.55	ppb		100
19) Acetonitrile	2.676	40	35430m	286.02	ppb		
20) Allyl Chloride	2.676	76	72742	46.42	ppb		90
21) Methyl Acetate	2.707	43	126639	39.70	ppb		96
22) Methylene Chloride	2.798	84	150259	47.44	ppb		95
23) TBA	2.963	59	678396m	940.92	ppb		
24) Acrylonitrile	3.085	53	455048m	264.92	ppb		
25) Methyl-t-Butyl Ether	3.097	73	551812	50.70	ppb		97
26) trans-1,2-Dichloroethene	3.085	96	128355	46.61	ppb		98
28) 1,1-Diclethane	3.597	63	269837	51.26	ppb		97
29) Vinyl Acetate	3.694	86	34818	51.25	ppb	#	84
30) DIPE	3.701	45	474671	52.06	ppb		92
31) 2-Chloro-1,3-Butadiene	3.713	53	246344	49.31	ppb		96
32) ETBE	4.237	59	496311	53.15	ppb		98
33) 2,2-Dichloropropane	4.426	77	233770	48.90	ppb		97
34) cis-1,2-Dichloroethene	4.444	96	160927	48.35	ppb		91
35) 2-Butanone	4.524	43	92204m	43.98	ppb		
36) Propionitrile	4.639	54	197386m	241.76	ppb		
37) Bromochloromethane	4.853	130	100604	46.85	ppb	#	82
38) Methacrylonitrile	4.895	67	81214	41.55	ppb		96
39) Tetrahydrofuran	4.950	42	69114	46.28	ppb		97
40) Chloroform	5.036	83	260319	47.06	ppb		95
41) 1,1,1-Trichloroethane	5.298	97	228969	45.89	ppb		94

1st 09/21/20
2nd 09/24/20

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:00:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	TAME	6.133	73	516980	51.84	ppb		98
44)	Cyclohexane	5.359	41	153602	49.72	ppb		96
46)	Carbontetrachloride	5.560	117	182149	44.89	ppb		95
47)	1,1-Dichloropropene	5.584	75	210702	47.56	ppb		93
49)	Benzene	5.907	78	649032	47.20	ppb		99
50)	1,2-Dichloroethane	5.968	62	236325	47.97	ppb		99
51)	Iso-Butyl Alcohol	5.968	43	227527	1035.86	ppb		96
52)	n-Heptane	6.352	43	192233	48.69	ppb		94
53)	1-Butanol	6.913	56	413579	2604.88	ppb		98
54)	Trichloroethene	6.834	130	157636	40.69	ppb		97
55)	Methylcyclohexane	7.054	55	234479	55.04	ppb		95
56)	1,2-Diclpropane	7.133	63	168737	48.35	ppb		98
57)	Dibromomethane	7.273	93	104133	43.76	ppb		94
58)	1,4-Dioxane	7.352	88	68653m	824.24	ppb		
59)	Methyl Methacrylate	7.352	69	159608	46.43	ppb		98
60)	Bromodichloromethane	7.499	83	201683	43.86	ppb		98
62)	2-Chloroethylvinyl Ether	7.901	63	133295	59.53	ppb		98
63)	cis-1,3-Dichloropropene	8.029	75	269083	48.59	ppb		98
64)	4-Methyl-2-pentanone	8.248	43	220373	47.57	ppb		97
66)	Toluene	8.389	91	735519	46.79	ppb		98
67)	trans-1,3-Dichloropropene	8.669	75	257377	48.28	ppb		95
68)	Ethyl Methacrylate	8.797	69	279556	47.27	ppb		96
69)	1,1,2-Trichloroethane	8.858	97	168560	49.12	ppb		97
72)	Tetrachloroethene	8.968	164	122030	41.56	ppb		95
73)	2-Hexanone	9.151	43	166673	47.40	ppb		98
74)	1,3-Dichloropropane	9.029	76	289455	47.16	ppb		97
75)	Dibromochloromethane	9.248	129	148572	45.37	ppb		96
76)	N-Butyl Acetate	9.291	43	354891	49.37	ppb		100
77)	1,2-Dibromoethane	9.346	107	170080	46.16	ppb		89
78)	Chlorobenzene	9.827	112	476323	47.22	ppb		97
79)	3-CBTF	9.840	180	250216	45.48	ppb		97
80)	4-CBTF	9.894	180	224885	46.48	ppb		97
81)	1,1,1,2-Tetrachloroethane	9.913	131	155541	44.97	ppb		98
82)	Ethylbenzene	9.937	106	261325	47.01	ppb		95
83)	(m+p)Xylene	10.047	106	652280	97.37	ppb		99
84)	o-Xylene	10.407	106	316444	47.08	ppb		100
85)	Styrene	10.425	104	551487	48.51	ppb		99
87)	Bromoform	10.583	173	96259	41.44	ppb		98
88)	2-CBTF	10.656	180	248123	45.23	ppb		98
89)	Isopropylbenzene	10.736	105	814181	46.54	ppb		99
90)	Cyclohexanone	10.827	55	839489	866.06	ppb		99
91)	trans-1,4-Dichloro-2-B...	11.065	53	75812	51.77	ppb		96
92)	1,1,2,2-Tetrachloroethane	11.010	83	259059	52.18	ppb		95
93)	Bromobenzene	10.992	156	204078	43.39	ppb		96
94)	1,2,3-Trichloropropane	11.041	110	82465	43.89	ppb	#	83
95)	n-Propylbenzene	11.089	91	985437	49.31	ppb		100
96)	2-Chlorotoluene	11.156	91	603733	46.25	ppb		97
97)	3-Chlorotoluene	11.211	91	635887	49.41	ppb		99
98)	4-Chlorotoluene	11.248	91	688615	46.44	ppb		97
99)	1,3,5-Trimethylbenzene	11.242	105	715672	46.94	ppb		99
100)	tert-Butylbenzene	11.510	119	595938	46.01	ppb		98
101)	1,2,4-Trimethylbenzene	11.553	105	734927	48.45	ppb		99
102)	3,4-DCBTF	11.614	214	198281	44.40	ppb		96
103)	sec-Butylbenzene	11.693	105	897542	48.67	ppb		98
104)	p-Isopropyltoluene	11.815	119	782568	49.13	ppb		98
105)	1,3-Dclbenz	11.778	146	414070	46.61	ppb		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:00:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.857	146	428696	45.74	ppb	99
107) 2,4-DCBTF	11.906	214	181032	45.44	ppb	97
108) 2,5-DCBTF	11.949	214	209106	45.49	ppb	96
109) n-Butylbenzene	12.144	91	727166	50.76	ppb	99
110) 1,2-Dclbenz	12.156	146	420897	45.93	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.790	157	60370	42.02	ppb	93
112) Trielution Dichlorotol...	12.894	125	1217254	148.29	ppb	98
113) 1,3,5 Trichlorobenzene	12.943	180	319271	46.96	ppb	94
114) Coelution Dichlorotoluene	13.223	125	907556	102.15	ppb	99
115) 1,2,4-Tcbenzene	13.430	180	316250	45.71	ppb	97
116) Hexachlorobt	13.558	225	112858	41.27	ppb	95
117) Naphthalen	13.625	128	1067100	50.29	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	323638	46.33	ppb	98
119) 2,4,5-Trichlorotolene	14.387	159	254600	50.40	ppb	93
120) 2,3,6-Trichlorotoluene	14.473	159	233350	51.26	ppb	97

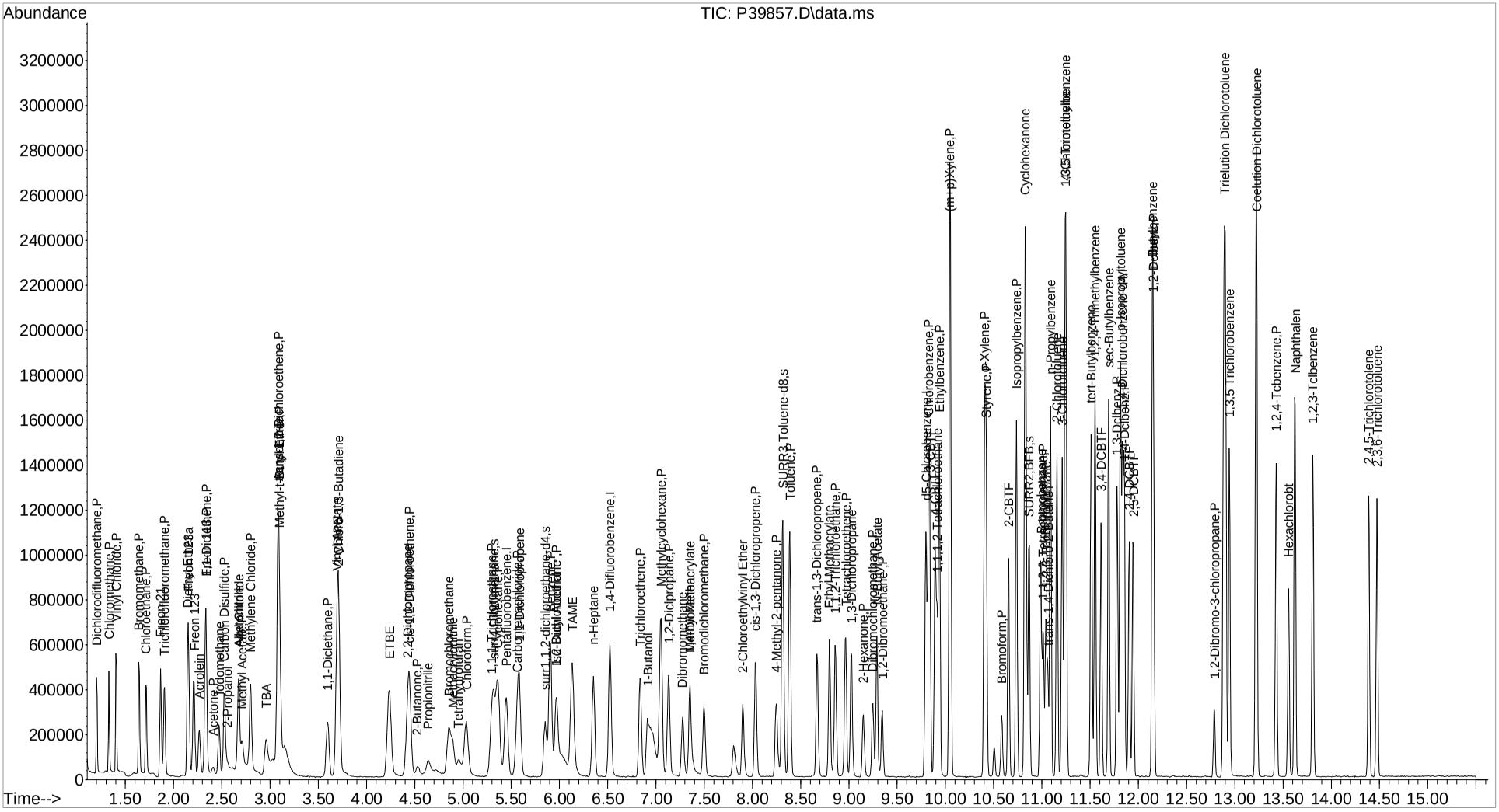
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39857.D
Acq On : 21 Sep 2020 10:40 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 11:00:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

09/21/20 1st
09/24/20 2nd

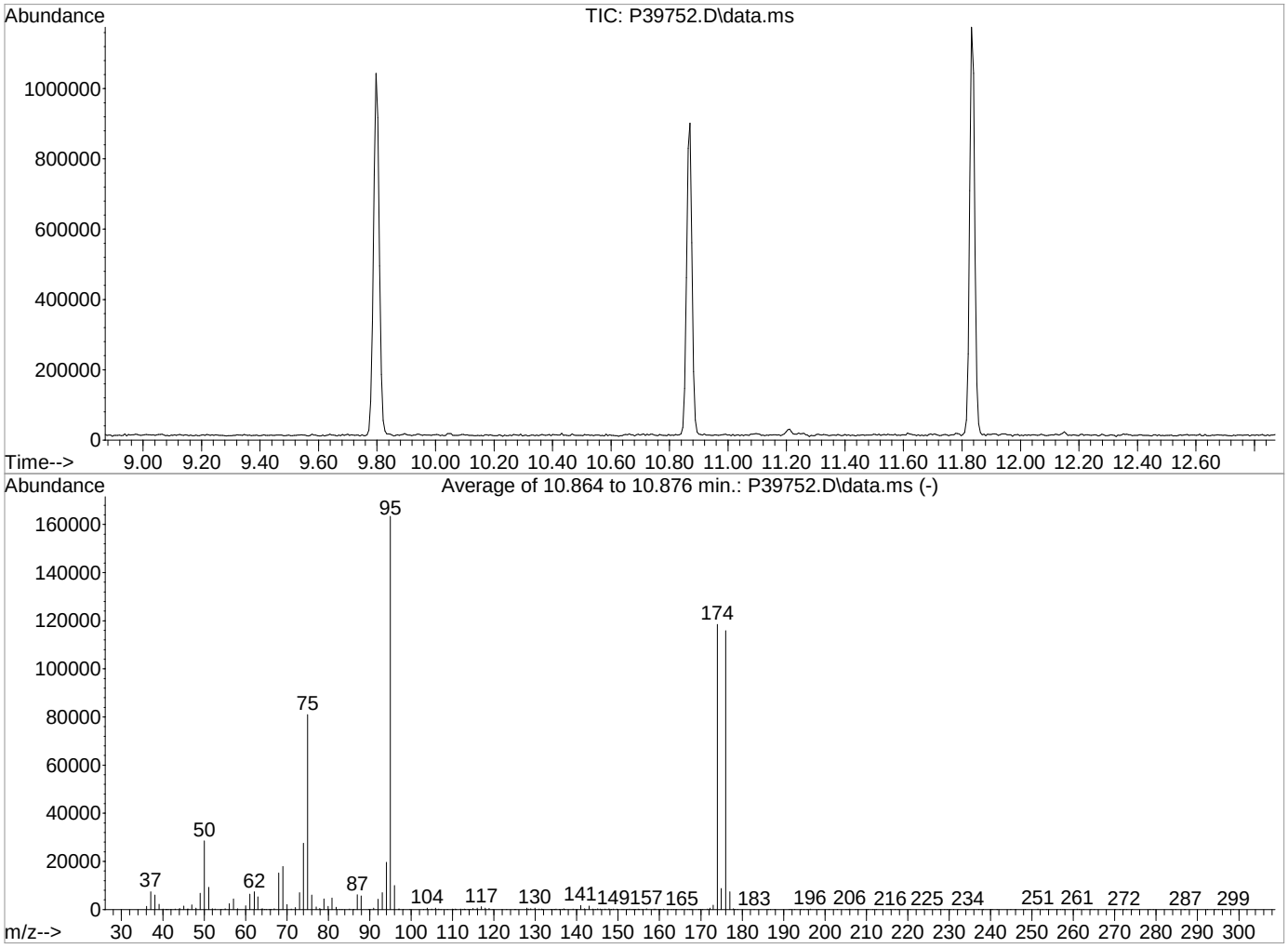


1st 09/18/20
2nd 09/22/20

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39752.D
Acq On : 17 Sep 2020 8:36 pm
Operator : K.Ruest
Sample : TUNE Inst : MSVOA-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Sat Sep 05 10:27:50 2020



AutoFind: Scans 1602, 1603, 1604; Background Corrected with Scan 1593

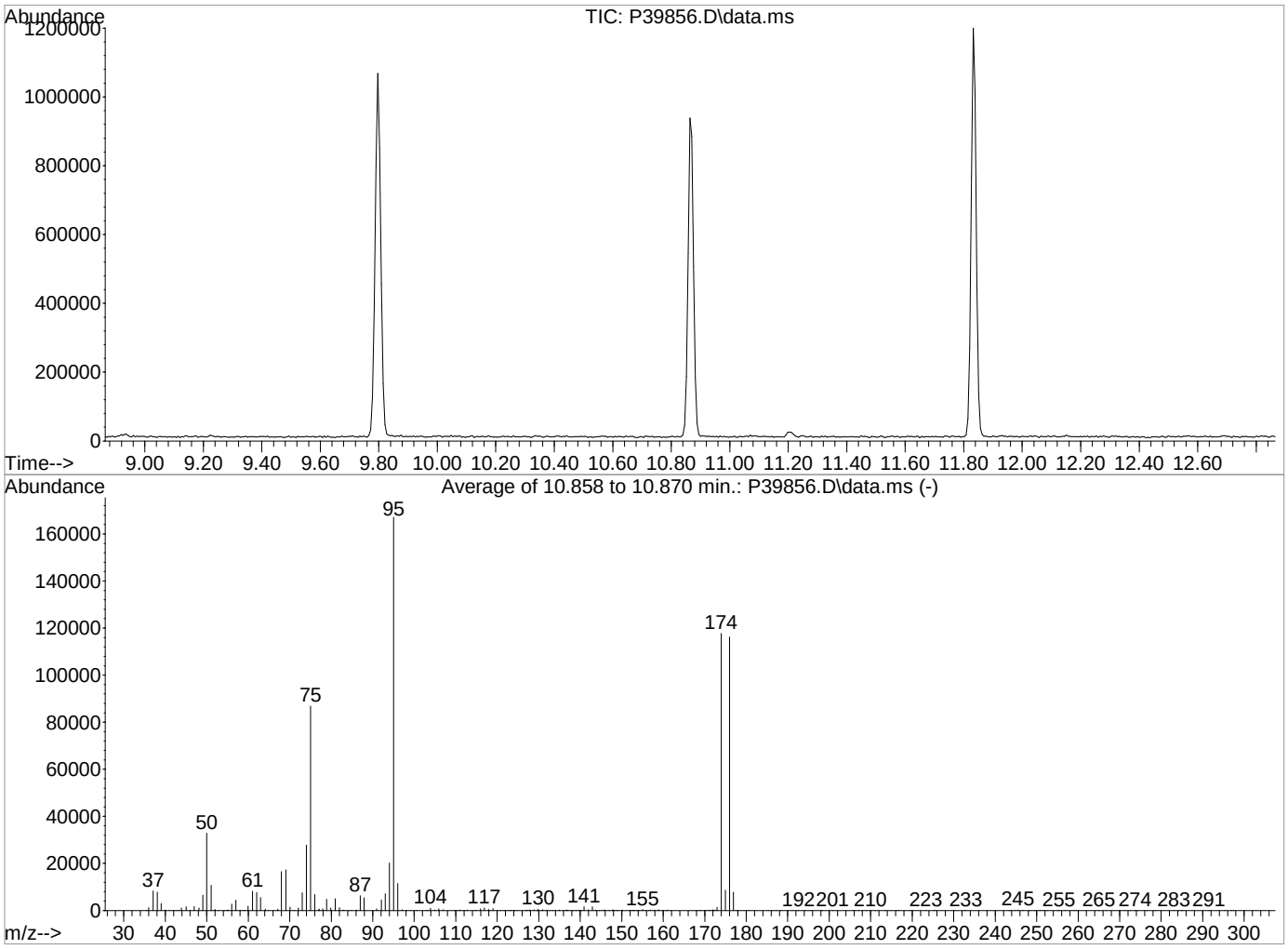
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	28487	PASS
75	95	30	60	49.6	81029	PASS
95	95	100	100	100.0	163443	PASS
96	95	5	9	6.1	9964	PASS
173	174	0.00	2	1.5	1792	PASS
174	95	50	120	72.5	118416	PASS
175	174	5	9	7.4	8754	PASS
176	174	95	101	97.8	115824	PASS
177	176	5	9	6.3	7328	PASS

1st 09/21/20
2nd 09/24/20

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39856.D
Acq On : 21 Sep 2020 10:11 am
Operator : K.Ruest
Sample : TUNE Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Sat Sep 05 10:27:50 2020



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1595

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	32795	PASS
75	95	30	60	52.0	86917	PASS
95	95	100	100	100.0	167133	PASS
96	95	5	9	6.9	11460	PASS
173	174	0.00	2	1.2	1364	PASS
174	95	50	120	70.5	117755	PASS
175	174	5	9	7.4	8655	PASS
176	174	95	101	98.7	116192	PASS
177	176	5	9	6.7	7792	PASS

Analysis: 8260/624 Waters | Analyst: K. Priest | pH strips: N/A | Tune Method: W090420

Date: 9/4/2020 | Balance ID: N/A | ResCl strips: N/A | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 205000 + 207106 | LIMS Run#: WATER ICAL

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./			RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK									P39291		fresh IS/SU
2	↓									P39292		↑ IS? atomx issue?
~~3~~ (YP) 1	~~DUPE BLK~~									P39293		
2	BLK									P39294		
3	DUPE			Atomx						P39295	YT	(auto) 11:21
1	1 BLK	(5ppm)	500ppm	SUSD	FV					P39296	YR	
2	0.5 ppb	5uL	—	—	50mls					P39297	Y	
3	1.0	10uL	—	—						P39298	Y	
4	2.0	20uL	—	—						P39299	Y	
5	5.0	50uL	—	1uL						P39300	Y	
6	20	—	2uL	2uL						P39301	Y	
7	50	—	5uL	5uL						P39302	(N)	OCC spiked wrong
8	100	—	10uL	10uL						P39303	Y	
9	150	—	15uL	20uL						P39304	Y	
10	200	—	20uL	—						P39305	Y	
11	BLK	—	—	—						P39306	—	
12	↓ (SD) KR	—	—	—						P39307	—	(Y) (KR)
13	↓ (SD) (KR)	—	5uL	5uL	50mls					P39308	—	(Y)
14	BLK									P39309	—	
15	ICV. 50									P39310	YQ	↓ freons
16	BLK									P39311	—	
17	ICV. 50. FREONS									P39312	(N)	freons only - no good. std. issue.
18	BLK									P39313	—	

EOD
KR 9/4/2020

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

500 Primary Occ+ : 211502 (KR)
Primary Fr+ : 212260 5uL (KR)
Primary TG : 212278 10uL → 1.0 mL MeOH = 5ppm
Primary HSL : 212279
Primary :

200 Secondary Fr+ : 211981 - 12.5uL
500 Secondary Occ+ : 211504
Secondary TG : 212050 5uL
Secondary HSL : 212140
Secondary : } 50mls = ICV

Combined IS/Surr :
Surrogate 50 : 211736
Internal Std 50 : 211737
Reagents:

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 9/4/20 12:13

ICAL Tune Summary

Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\090420\P39297.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-12

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	18.5	31853	PASS
75	95	30	60	50.2	86632	PASS
95	95	100	100	100.0	172643	PASS
96	95	5	9	7.2	12496	PASS
173	174	0	2	1.3	1842	PASS
174	95	50	120	84.5	145805	PASS
175	174	5	9	7.2	10436	PASS
176	174	95	101	96.6	140883	PASS
177	176	5	9	6.0	8521	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
1.0ppb	1.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39298.D	9/4/20 12:35	
2.0ppb	2.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39299.D	9/4/20 12:57	
5.0ppb	5.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39300.D	9/4/20 13:18	
20ppb	20ppb	I:\ACQUDATA\msvoa12\Data\090420\P39301.D	9/4/20 13:40	
100ppb	100ppb	I:\ACQUDATA\msvoa12\Data\090420\P39303.D	9/4/20 14:24	
150ppb	150ppb	I:\ACQUDATA\msvoa12\Data\090420\P39304.D	9/4/20 14:46	
200ppb	200ppb	I:\ACQUDATA\msvoa12\Data\090420\P39305.D	9/4/20 15:08	
ICV-50	ICV-50	I:\ACQUDATA\msvoa12\Data\090420\P39310.D	9/4/20 16:57	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:29:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	339622	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	501378	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	469653	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	252828	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	147244	50.03	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.06%				
48) surr1,1,2-dichloroetha...	5.853	65	191420	48.72	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.44%				
65) SURR3,Toluene-d8	8.316	98	661074	49.42	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.84%				
70) SURR2,BFB	10.870	95	257978	49.72	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.44%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.195	85	202264	45.11	ppb		98
3) Chloromethane	1.323	50	214857	46.29	ppb		99
4) Vinyl Chloride	1.396	62	262347	46.62	ppb		100
5) Bromomethane	1.634	94	207670	43.38	ppb		98
6) Chloroethane	1.707	64	190896	46.29	ppb		98
7) Freon 21	1.860	67	259009	40.83	ppb		99
8) Trichlorofluoromethane	1.896	101	247295	46.43	ppb		96
9) Diethyl Ether	2.140	59	142180	45.76	ppb		95
10) Freon 123a	2.152	67	126011	34.36	ppb		99
11) Freon 123	2.207	83	164584	38.66	ppb		98
12) Acrolein	2.262	56	82924	93.78	ppb		93
13) 1,1-Diclethene	2.329	96	136366	54.47	ppb		98
14) Freon 113	2.329	101	136331	48.29	ppb		95
15) Acetone	2.402	43	94629	57.88	ppb		91
16) 2-Propanol	2.542	45	406274m	999.46	ppb		
17) Iodomethane	2.469	142	166414	42.94	ppb		97
18) Carbon Disulfide	2.518	76	380415	44.17	ppb		99
19) Acetonitrile	2.670	40	35530m	271.94	ppb		
20) Allyl Chloride	2.670	76	82619	49.99	ppb		98
21) Methyl Acetate	2.707	43	154601	45.95	ppb		97
22) Methylene Chloride	2.792	84	155301	46.49	ppb		97
23) TBA	2.951	59	799013m	1050.71	ppb		
24) Acrylonitrile	3.079	53	469673m	259.24	ppb		
25) Methyl-t-Butyl Ether	3.091	73	581403	50.65	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	151610	52.20	ppb		95
28) 1,1-Diclethane	3.591	63	270656	48.74	ppb		98
29) Vinyl Acetate	3.688	86	41386	57.63	ppb	#	95
30) DIPE	3.701	45	508142	52.83	ppb		99
31) 2-Chloro-1,3-Butadiene	3.707	53	225776	42.85	ppb		97
32) ETBE	4.237	59	511765	51.96	ppb		98
33) 2,2-Dichloropropane	4.426	77	249966	49.57	ppb		99
34) cis-1,2-Dichloroethene	4.444	96	171189	48.77	ppb		91
35) 2-Butanone	4.530	43	117397	53.09	ppb		98
36) Propionitrile	4.639	54	207356m	240.79	ppb		
37) Bromochloromethane	4.853	130	108928	48.10	ppb		94
38) Methacrylonitrile	4.896	67	98731	47.89	ppb		91
39) Tetrahydrofuran	4.950	42	72074	45.75	ppb		91
40) Chloroform	5.030	83	266051	45.60	ppb		94
41) 1,1,1-Trichloroethane	5.298	97	251249	47.74	ppb		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:29:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.133	73	567377	53.95	ppb		98
44) Cyclohexane	5.365	41	133801	44.84	ppb		90
46) Carbontetrachloride	5.560	117	205267	52.37	ppb		96
47) 1,1-Dichloropropene	5.584	75	204864	47.87	ppb		98
49) Benzene	5.908	78	652275	49.10	ppb		98
50) 1,2-Dichloroethane	5.968	62	235294	49.45	ppb		96
51) Iso-Butyl Alcohol	5.968	43	226920	1069.44	ppb		99
52) n-Heptane	6.353	43	188814	49.50	ppb		98
53) 1-Butanol	6.913	56	419256	2717.68	ppb		89
54) Trichloroethene	6.834	130	173559	46.37	ppb		97
55) Methylcyclohexane	7.054	55	210680	51.19	ppb		95
56) 1,2-Diclpropane	7.127	63	163436	48.48	ppb		96
57) Dibromomethane	7.279	93	108234	47.09	ppb		97
58) 1,4-Dioxane	7.352	88	82146	1020.93	ppb	#	70
59) Methyl Methacrylate	7.352	69	166919	50.26	ppb		96
60) Bromodichloromethane	7.499	83	205788	46.33	ppb		96
62) 2-Chloroethylvinyl Ether	7.901	63	50812	23.49	ppb		95
63) cis-1,3-Dichloropropene	8.035	75	264911	49.52	ppb		93
64) 4-Methyl-2-pentanone	8.249	43	232329	51.91	ppb		95
66) Toluene	8.389	91	749876	49.38	ppb		100
67) trans-1,3-Dichloropropene	8.669	75	259017	50.30	ppb		98
68) Ethyl Methacrylate	8.797	69	291672	51.05	ppb		100
69) 1,1,2-Trichloroethane	8.858	97	167930	50.66	ppb		98
72) Tetrachloroethene	8.968	164	137814	47.84	ppb		95
73) 2-Hexanone	9.151	43	188210	54.55	ppb		98
74) 1,3-Dichloropropane	9.029	76	284464	47.23	ppb		95
75) Dibromochloromethane	9.248	129	169453	52.74	ppb		94
76) N-Butyl Acetate	9.291	43	332095	47.08	ppb		98
77) 1,2-Dibromoethane	9.346	107	177544	49.11	ppb		90
78) Chlorobenzene	9.828	112	488835	49.39	ppb		97
79) 3-CBTF	9.840	180	284176	52.65	ppb		99
80) 4-CBTF	9.895	180	249344	52.52	ppb		99
81) 1,1,1,2-Tetrachloroethane	9.913	131	172317	50.77	ppb		99
82) Ethylbenzene	9.937	106	272915	50.03	ppb		96
83) (m+p)Xylene	10.053	106	677363	103.05	ppb		95
84) o-Xylene	10.407	106	335873	50.92	ppb		99
85) Styrene	10.425	104	563359	50.50	ppb		96
87) Bromoform	10.583	173	119844	54.14	ppb		97
88) 2-CBTF	10.657	180	276677	52.92	ppb		99
89) Isopropylbenzene	10.736	105	866025	51.95	ppb		100
90) Cyclohexanone	10.827	55	1016917	1100.77	ppb		98
91) trans-1,4-Dichloro-2-B...	11.059	53	75752	54.28	ppb		98
92) 1,1,2,2-Tetrachloroethane	11.016	83	262289	55.44	ppb		98
93) Bromobenzene	10.992	156	216190	48.23	ppb		97
94) 1,2,3-Trichloropropane	11.047	110	91540	51.44	ppb	#	89
95) n-Propylbenzene	11.089	91	1027815	53.96	ppb		99
96) 2-Chlorotoluene	11.156	91	620541	49.88	ppb		99
97) 3-Chlorotoluene	11.211	91	632897	51.60	ppb		100
98) 4-Chlorotoluene	11.248	91	704493	49.85	ppb		95
99) 1,3,5-Trimethylbenzene	11.242	105	748977	51.55	ppb		97
100) tert-Butylbenzene	11.516	119	662655	53.68	ppb		98
101) 1,2,4-Trimethylbenzene	11.553	105	771526	53.36	ppb		99
102) 3,4-DCBTF	11.614	214	220245	51.75	ppb		98
103) sec-Butylbenzene	11.693	105	941809	53.58	ppb		99
104) p-Isopropyltoluene	11.815	119	818809	53.94	ppb		99
105) 1,3-Dclbenz	11.784	146	438397	51.78	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:29:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.858	146	442978	49.59	ppb	99
107) 2,4-DCBTF	11.906	214	209205	55.09	ppb	97
108) 2,5-DCBTF	11.949	214	236613	54.01	ppb	99
109) n-Butylbenzene	12.144	91	732617	53.65	ppb	99
110) 1,2-Dclbenz	12.156	146	433058	49.58	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.790	157	75193	54.92	ppb	93
112) Trielution Dichlorotol...	12.894	125	1246444	159.32	ppb	100
113) 1,3,5 Trichlorobenzene	12.943	180	342082	52.79	ppb	94
114) Coelution Dichlorotoluene	13.223	125	924126	109.13	ppb	99
115) 1,2,4-Tcbenzene	13.430	180	355413	53.91	ppb	96
116) Hexachlorobt	13.558	225	128488	49.30	ppb	96
117) Naphthalen	13.626	128	1146112	56.67	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	341587	51.30	ppb	99
119) 2,4,5-Trichlorotolene	14.388	159	263870	54.81	ppb	94
120) 2,3,6-Trichlorotoluene	14.473	159	246800	56.89	ppb	95

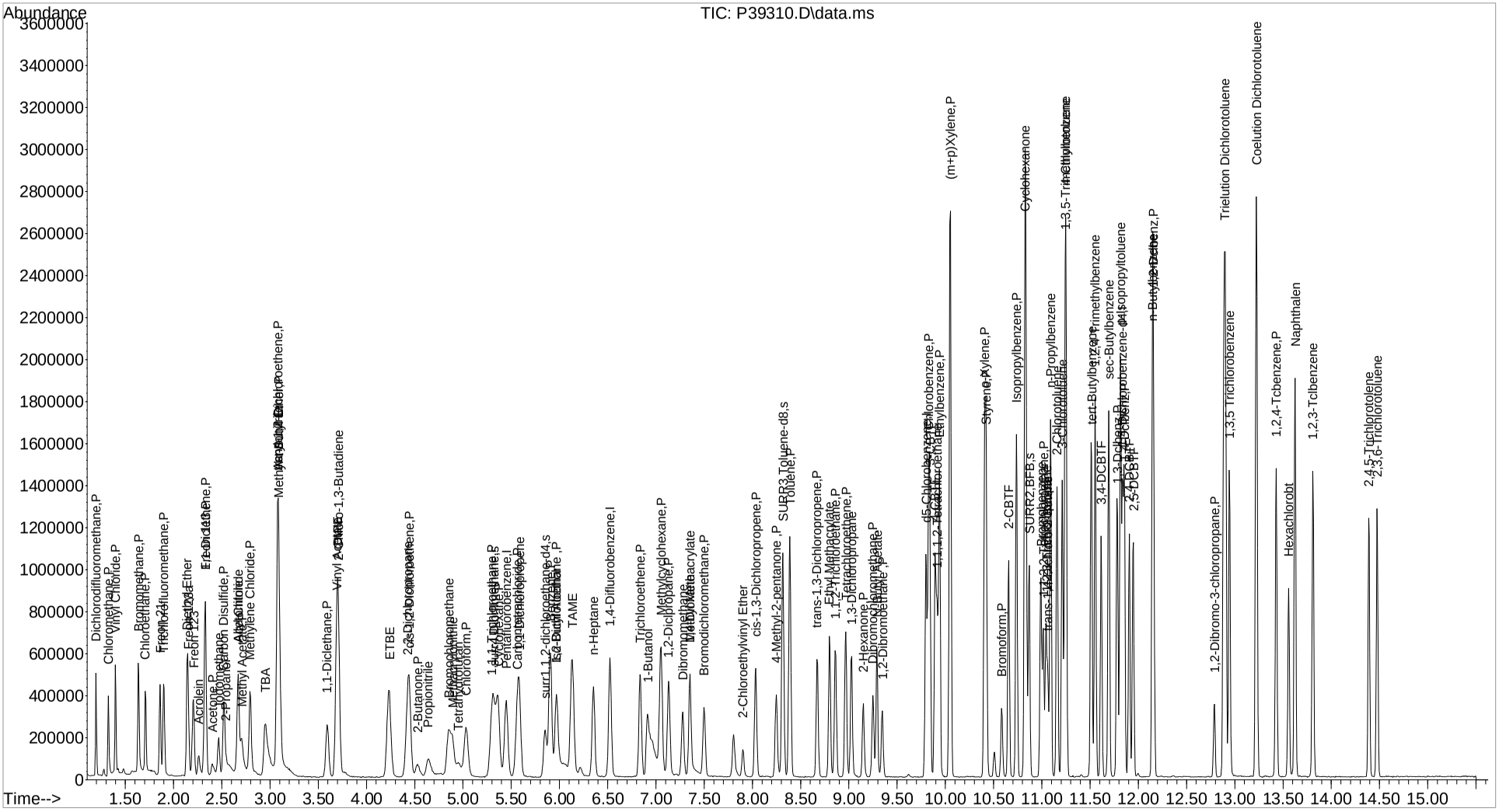
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

09/05/20 1st
09/05/20 2nd

Quant Time: Sep 05 10:29:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

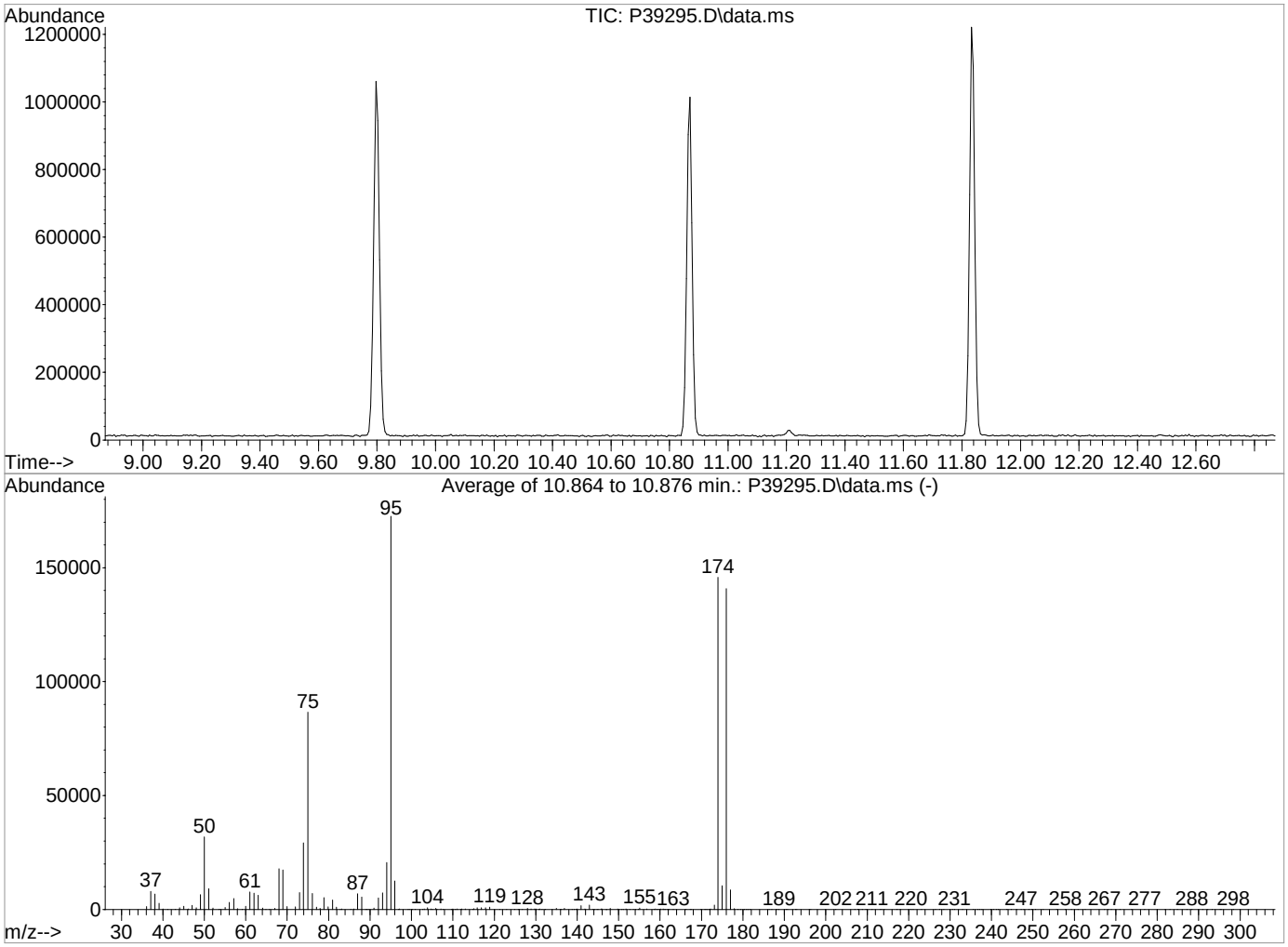


1st 09/05/20
2nd 09/05/20

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39295.D
Acq On : 4 Sep 2020 11:21 am
Operator : K.Ruest
Sample : TUNE Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Fri Sep 04 09:28:54 2020



AutoFind: Scans 1602, 1603, 1604; Background Corrected with Scan 1593

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	31853	PASS
75	95	30	60	50.2	86632	PASS
95	95	100	100	100.0	172643	PASS
96	95	5	9	7.2	12496	PASS
173	174	0.00	2	1.3	1842	PASS
174	95	50	120	84.5	145805	PASS
175	174	5	9	7.2	10436	PASS
176	174	95	101	96.6	140883	PASS
177	176	5	9	6.0	8521	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39296.D
Acq On : 4 Sep 2020 11:51 am
Operator : K.Ruest
Sample : IBLK Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 05 11:02:28 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

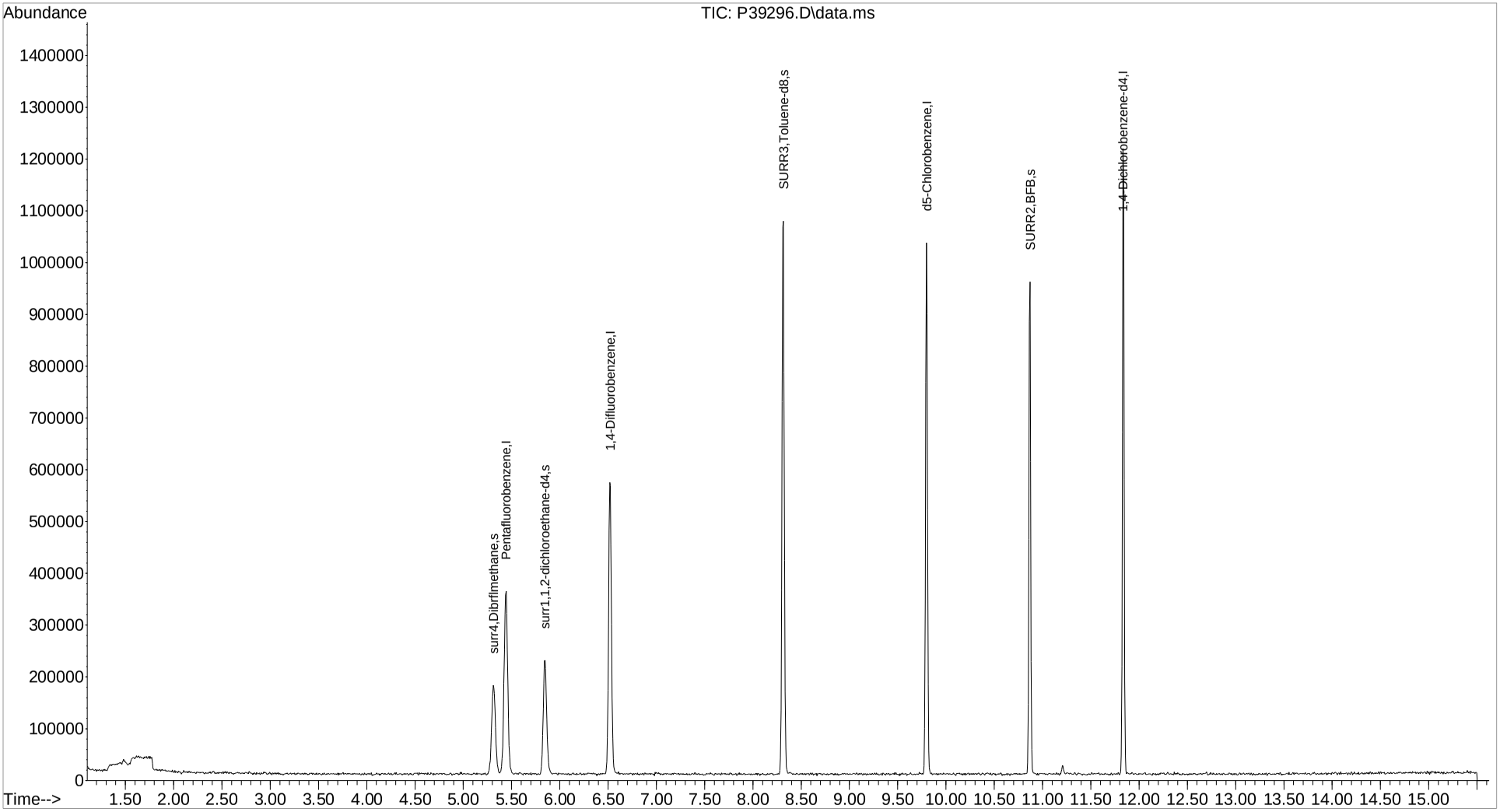
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	328041	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.517	114	503905	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	464523	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	240045	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.310	113	141618	47.88	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 95.76%			
48) surr1,1,2-dichloroetha...	5.847	65	199550	50.54	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.08%			
65) SURR3,Toluene-d8	8.316	98	675180	50.22	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.44%			
70) SURR2,BFB	10.870	95	249339	47.82	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.64%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39296.D
Acq On : 4 Sep 2020 11:51 am
Operator : K.Ruest
Sample : IBLK Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 05 11:02:28 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

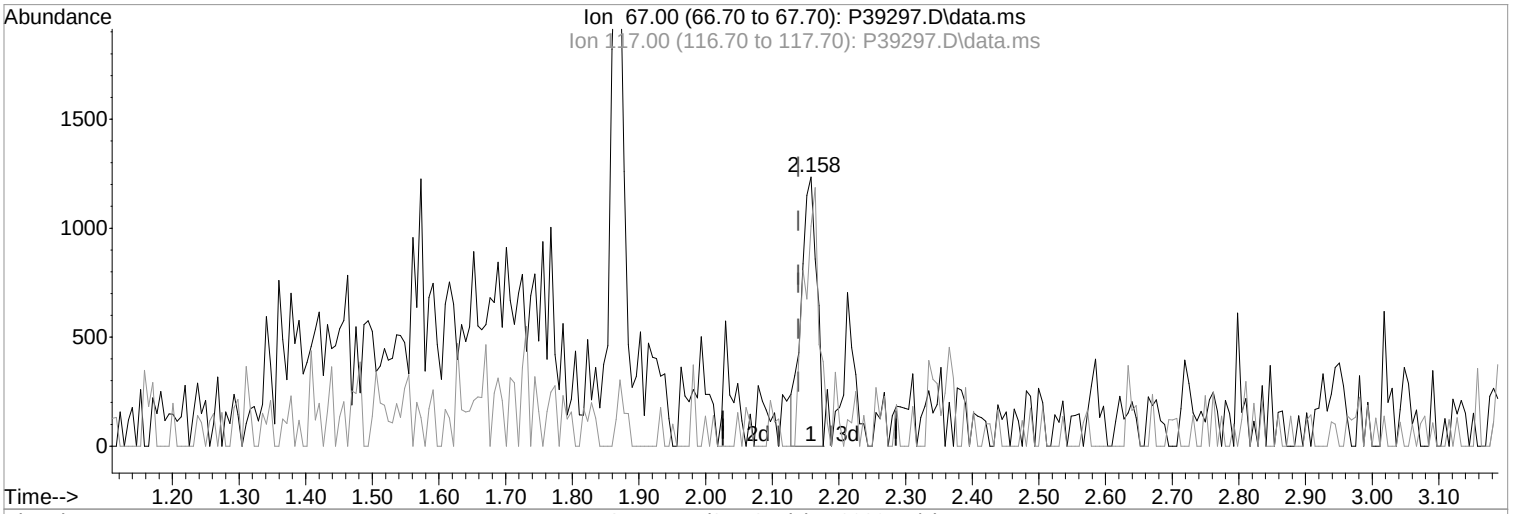


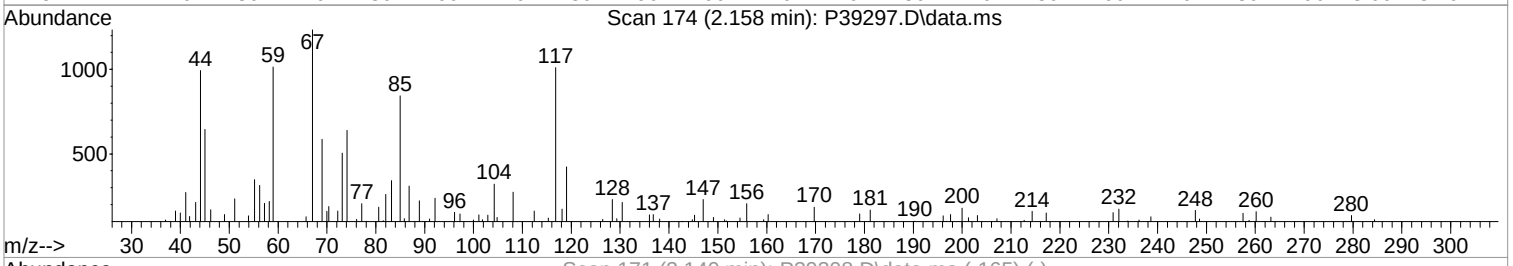
1st 09/05/20
2nd 09/05/20

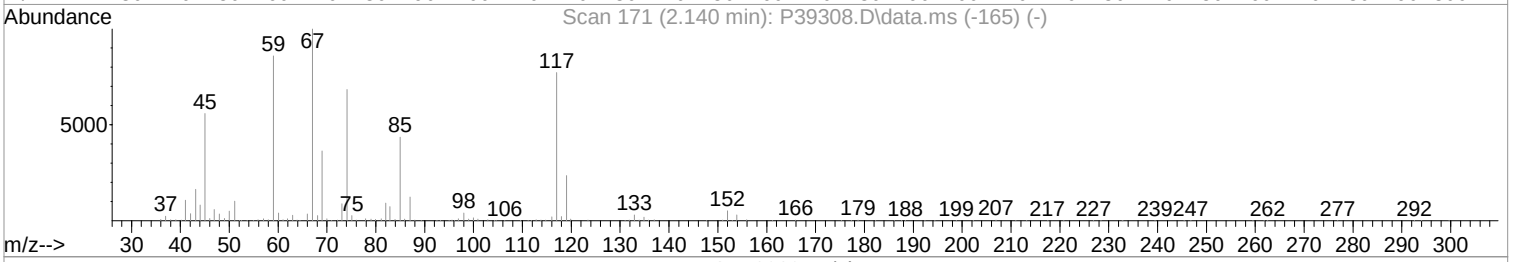
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(10) Freon 123a

2.158min (+0.019) 0.58 ppb m

response 2003

Ion	Exp%	Act%
67.00	100	100
117.00	77.50	81.85
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

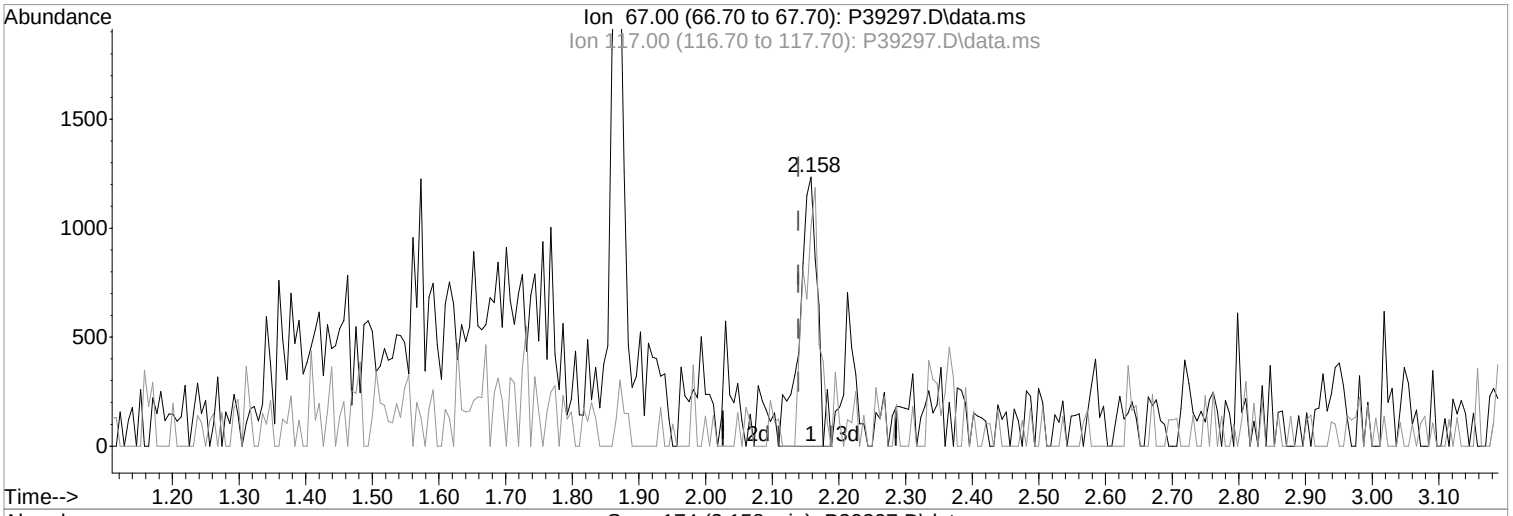
Poor integration.

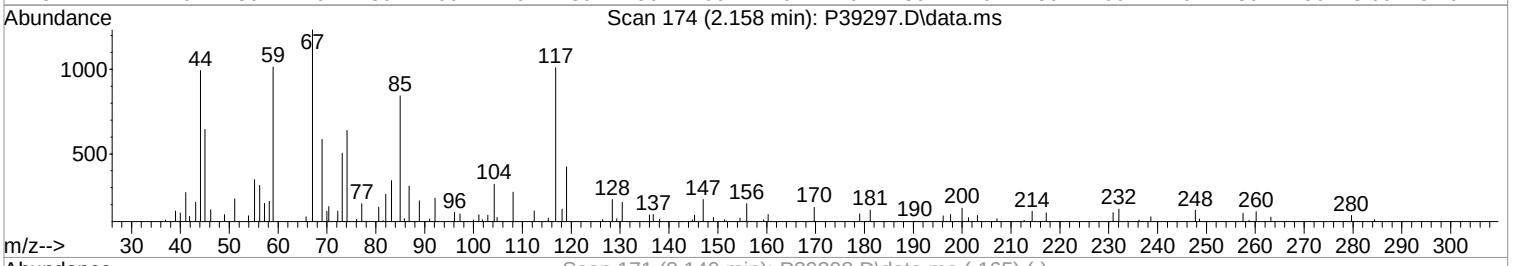
09/04/20

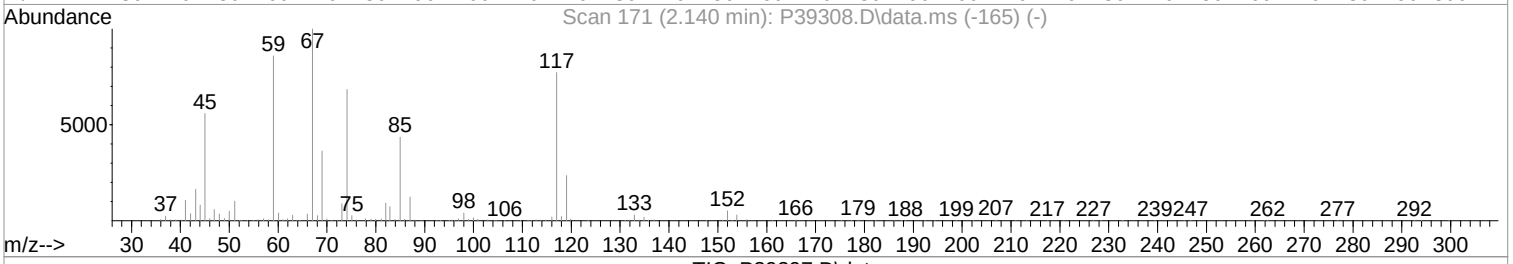
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(10) Freon 123a

2.158min (+0.019) 0.68 ppb

response 2346

Ion	Exp%	Act%
67.00	100	100
117.00	77.50	81.85
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

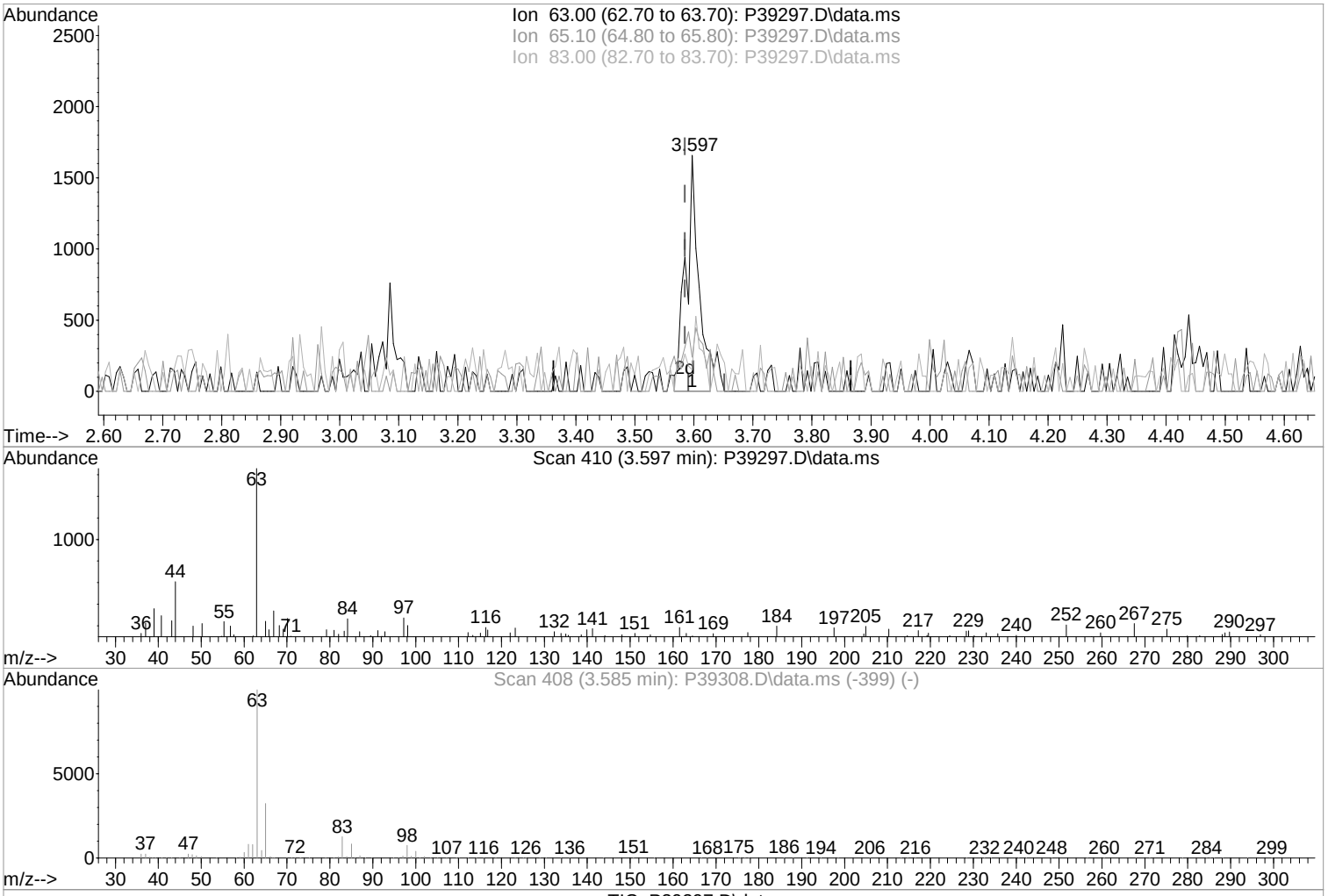
Before

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39297.D\data.ms

(28) 1,1-Diclethane (P)

3.597min (+0.012) 0.46 ppb m

response 2477

Ion	Exp%	Act%
63.00	100	100
65.10	32.40	14.54
83.00	12.60	9.05
0.00	0.00	0.00

Manual Integration:

After

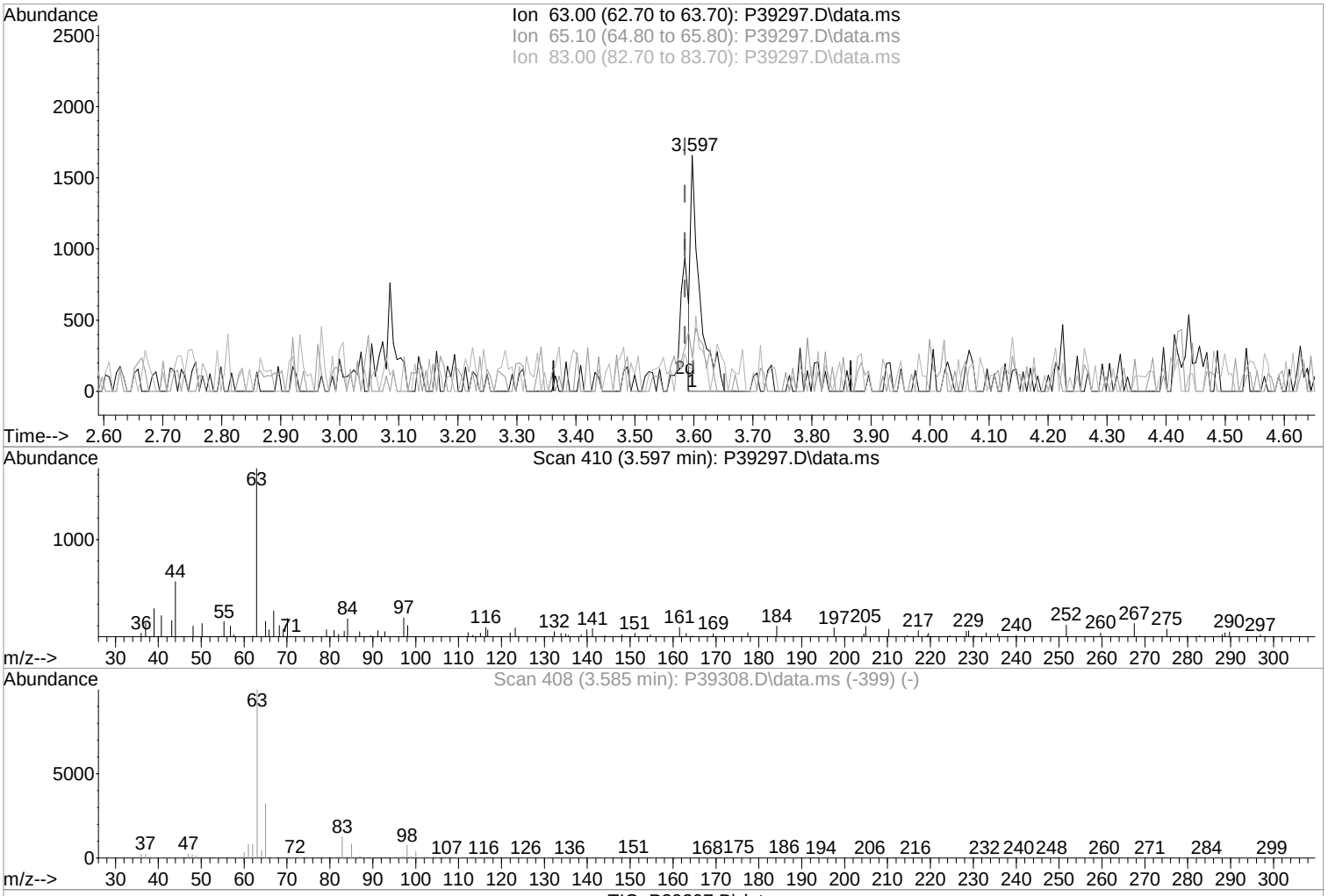
Poor integration.

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39297.D\data.ms

(28) 1,1-Diclethane (P)

3.597min (+0.012) 0.34 ppb

response 1799

Ion	Exp%	Act%
63.00	100	100
65.10	32.40	24.43
83.00	12.60	9.05
0.00	0.00	0.00

Manual Integration:

Before

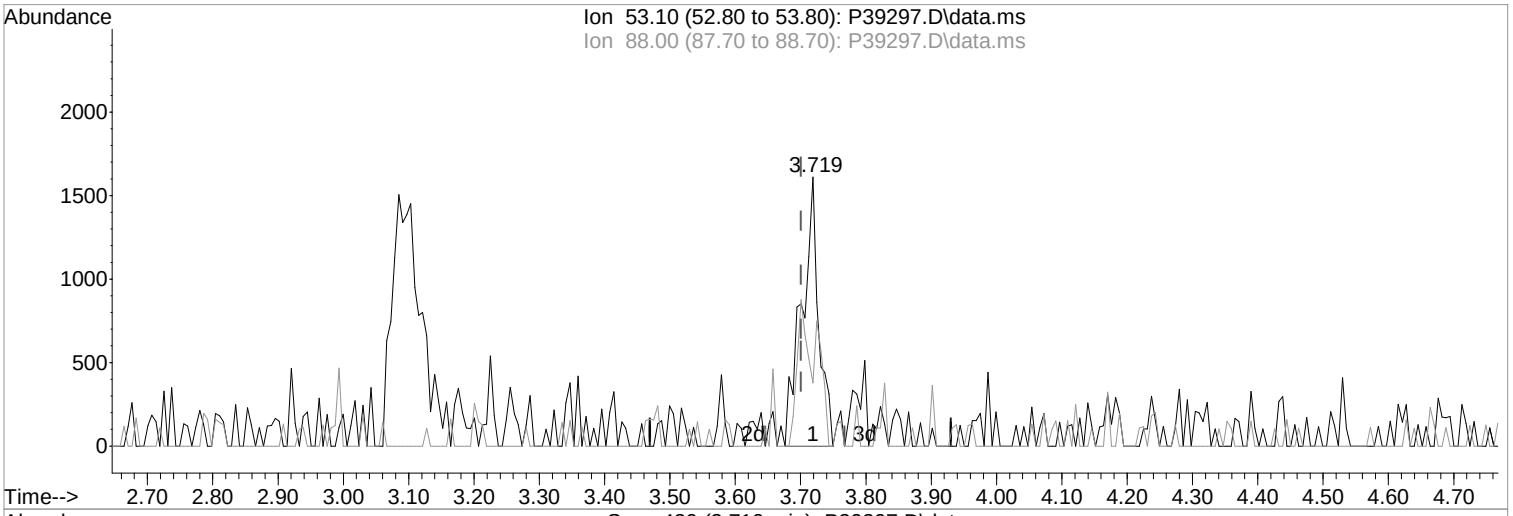
09/04/20

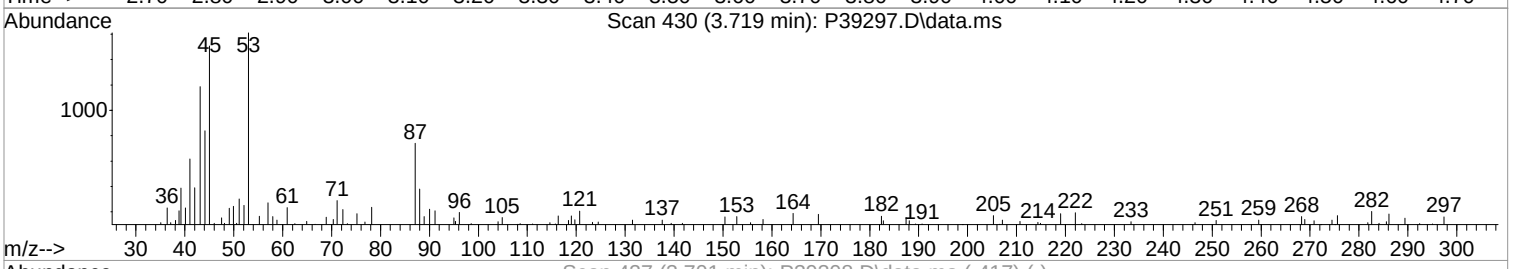
1st 09/05/20
2nd 09/05/20

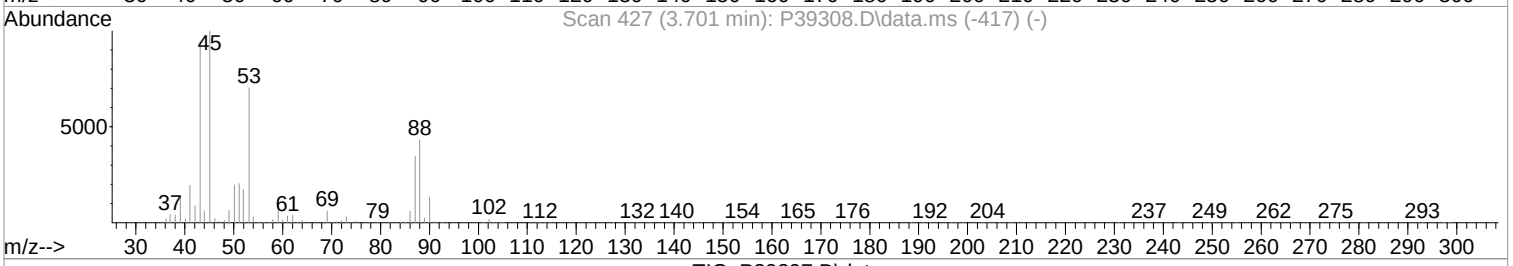
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

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

3.719min (+0.018) 0.58 ppb m

response 2928

Ion	Exp%	Act%
53.10	100	100
88.00	61.40	23.53#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

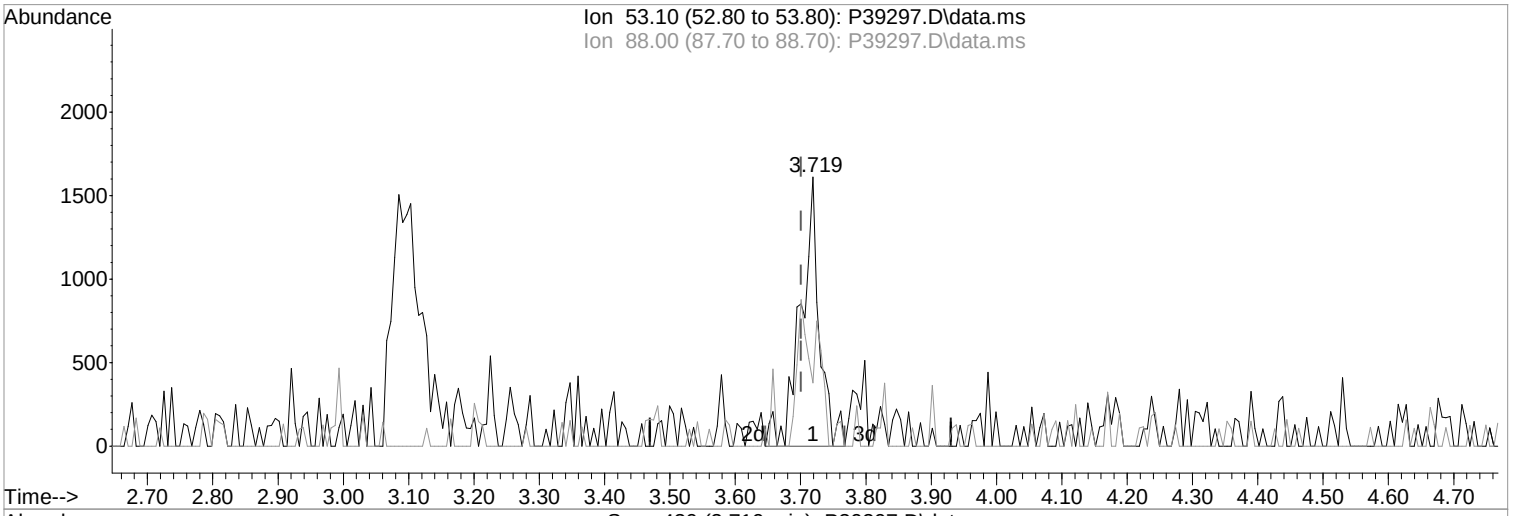
Poor integration.

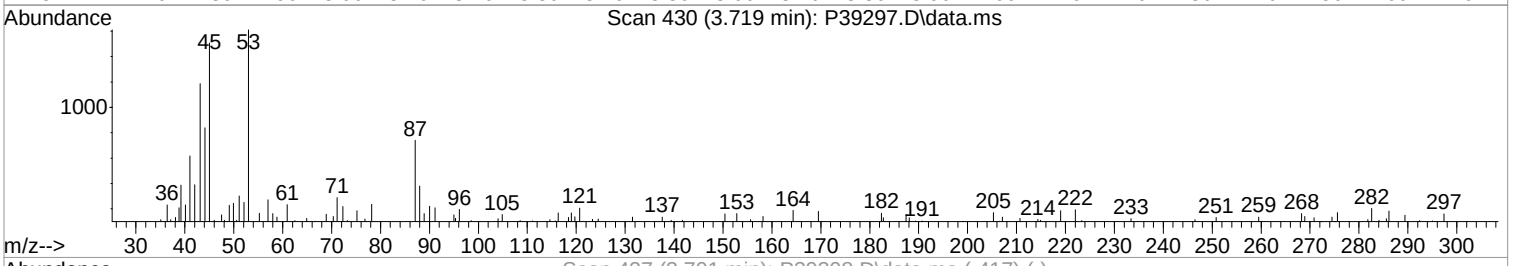
09/04/20

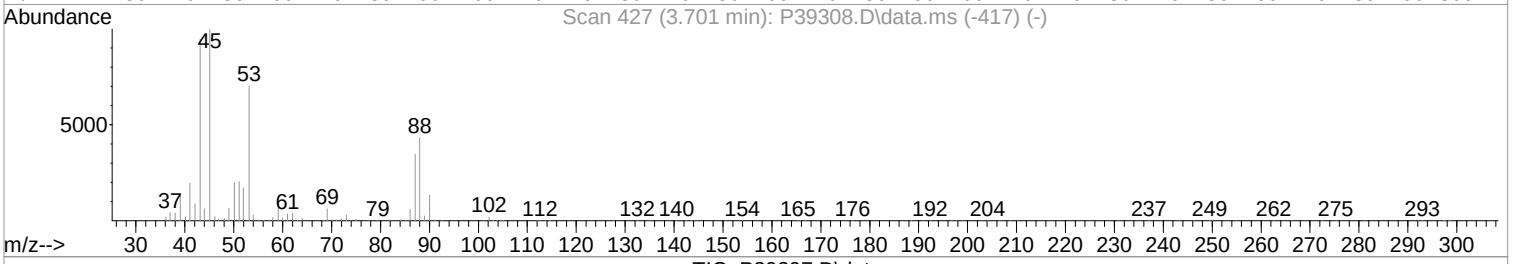
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

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

3.719min (+0.018) 0.64 ppb

response 3221

Ion	Exp%	Act%
53.10	100	100
88.00	61.40	23.53#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

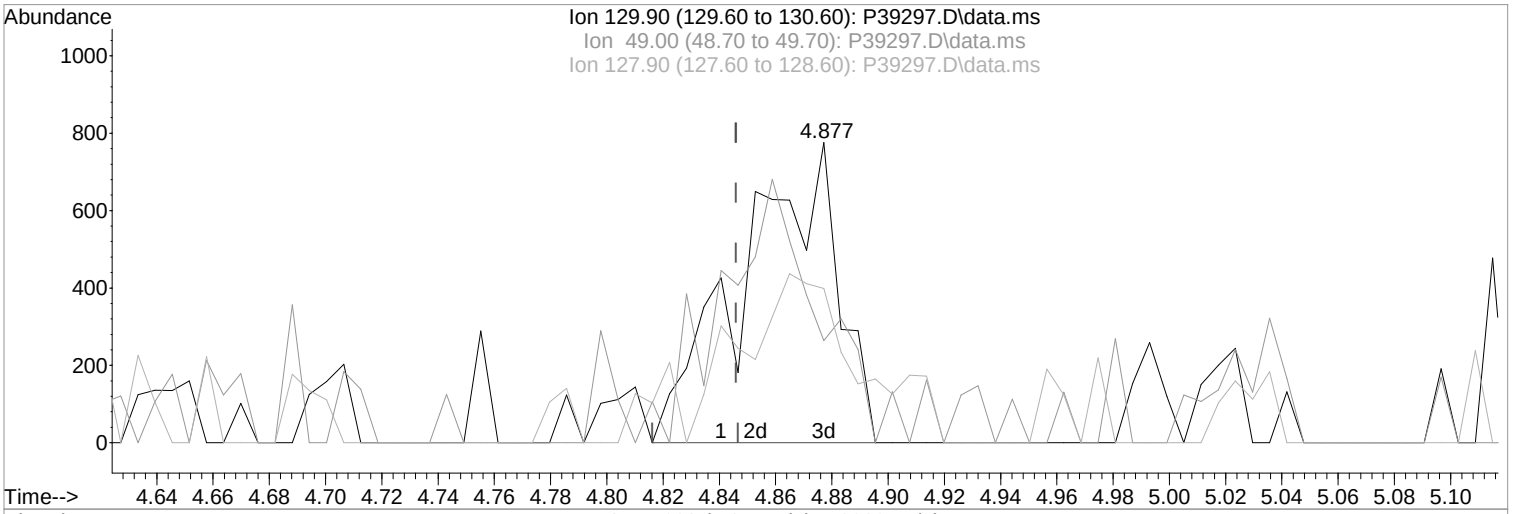
09/04/20

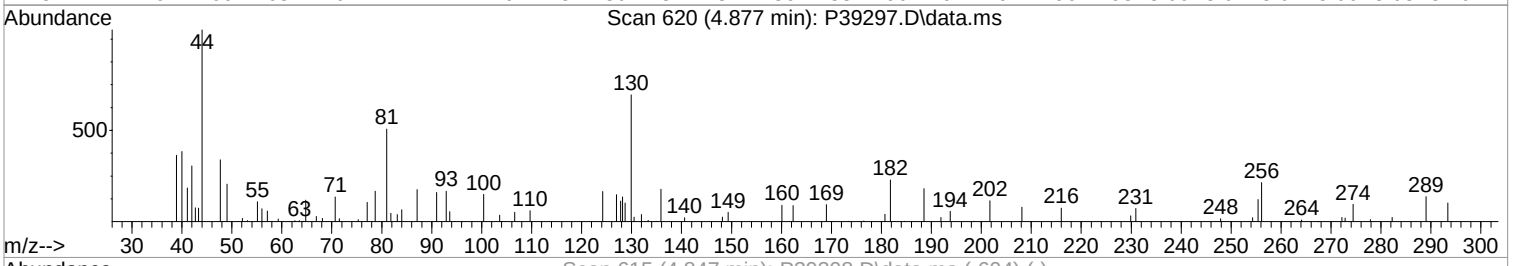
1st 09/05/20
2nd 09/05/20

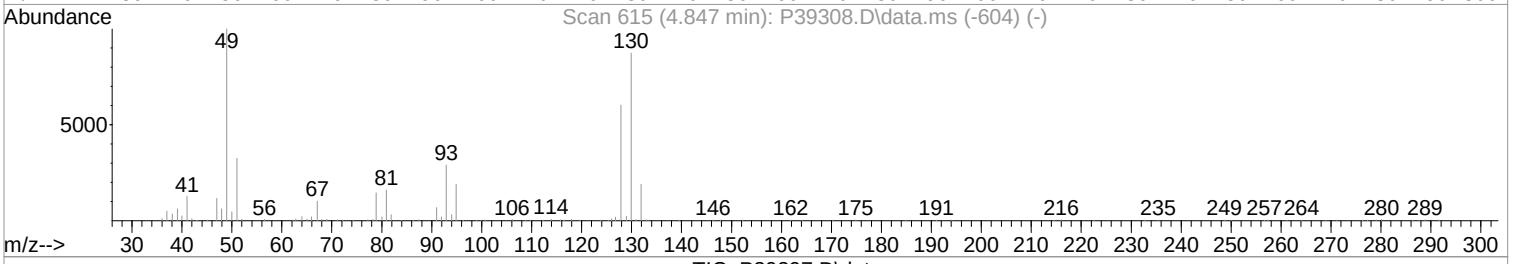
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(37) Bromochloromethane

4.877min (+0.031) 0.85 ppb m

response 1843

Ion	Exp%	Act%
129.90	100	100
49.00	114.80	40.24#
127.90	69.30	31.86#
0.00	0.00	0.00

Manual Integration:

After

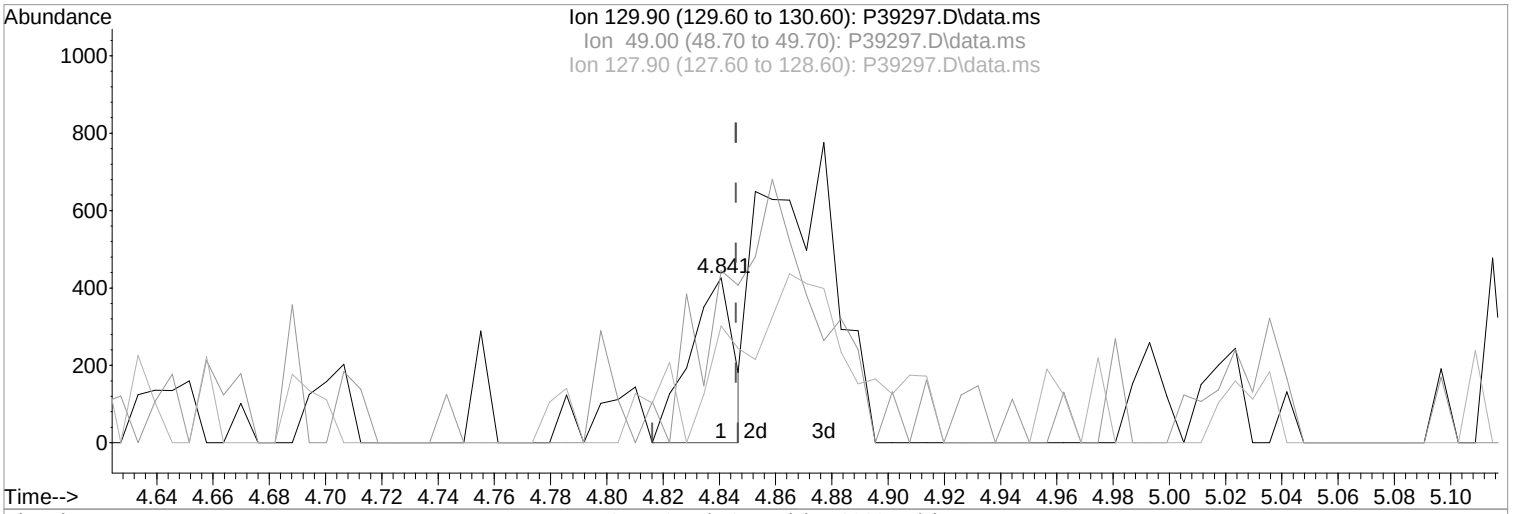
Poor integration.

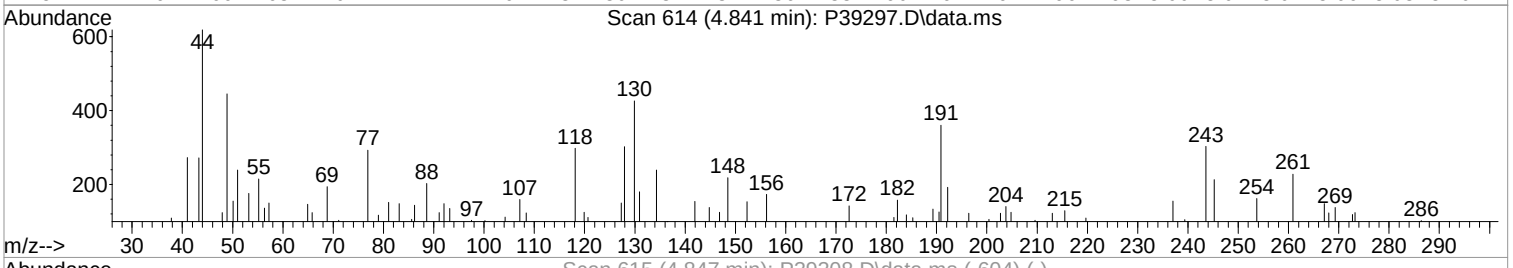
09/04/20

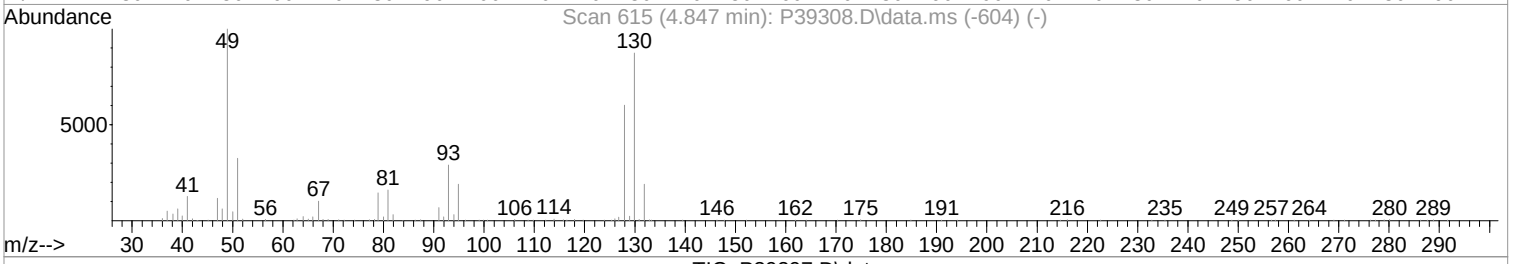
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(37) Bromochloromethane

4.841min (-0.005) 0.22 ppb

response 467

Ion	Exp%	Act%
129.90	100	100
49.00	114.80	104.46
127.90	69.30	70.89
0.00	0.00	0.00

Manual Integration:

Before

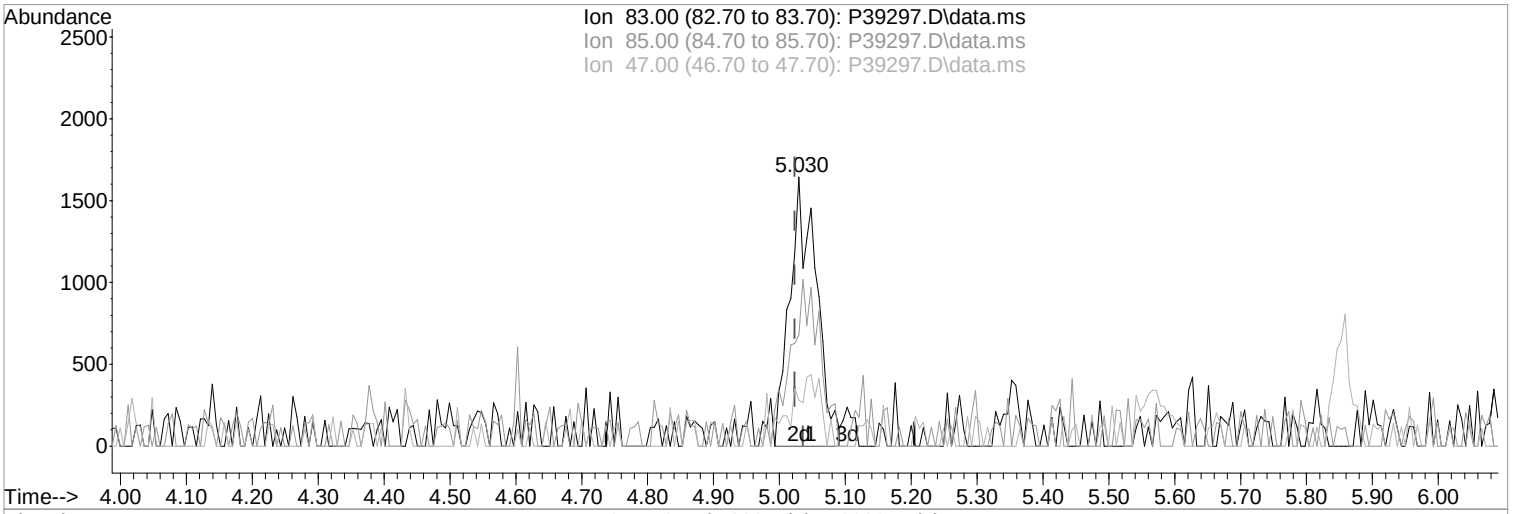
09/04/20

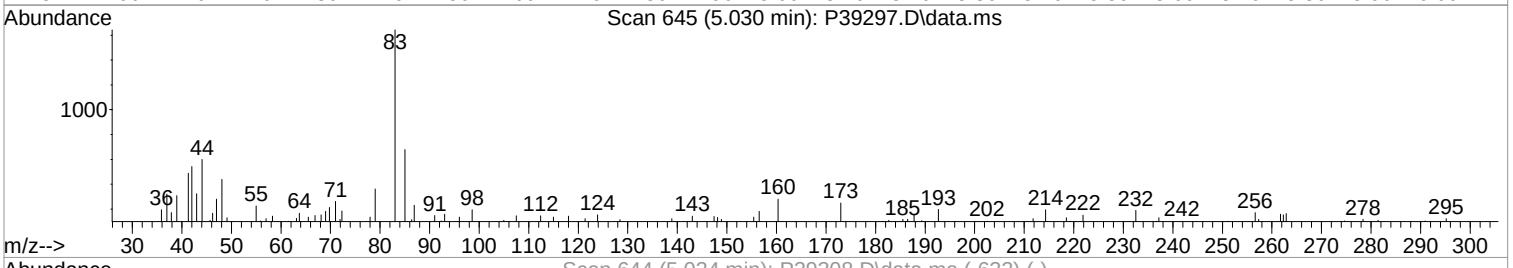
1st 09/05/20
2nd 09/05/20

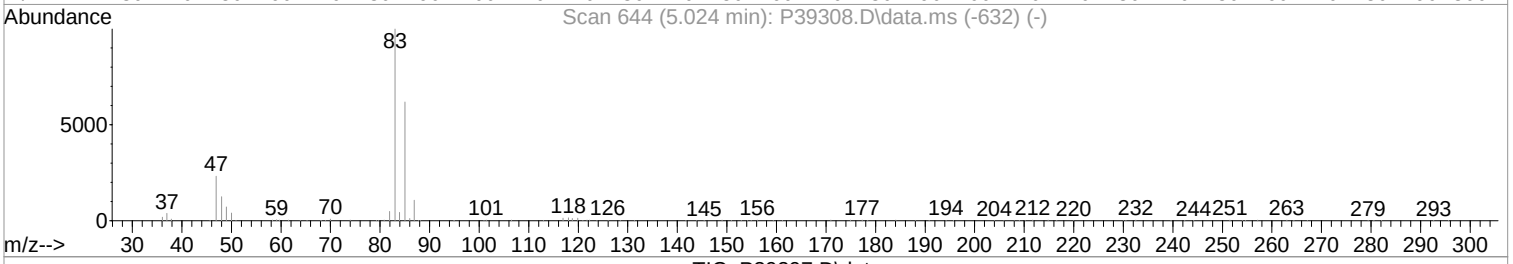
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(40) Chloroform (P)

5.030min (+0.007) 0.82 ppb m

response 4587

Ion	Exp%	Act%
83.00	100	100
85.00	62.00	41.36#
47.00	23.20	17.03
0.00	0.00	0.00

Manual Integration:

After

Split Peak

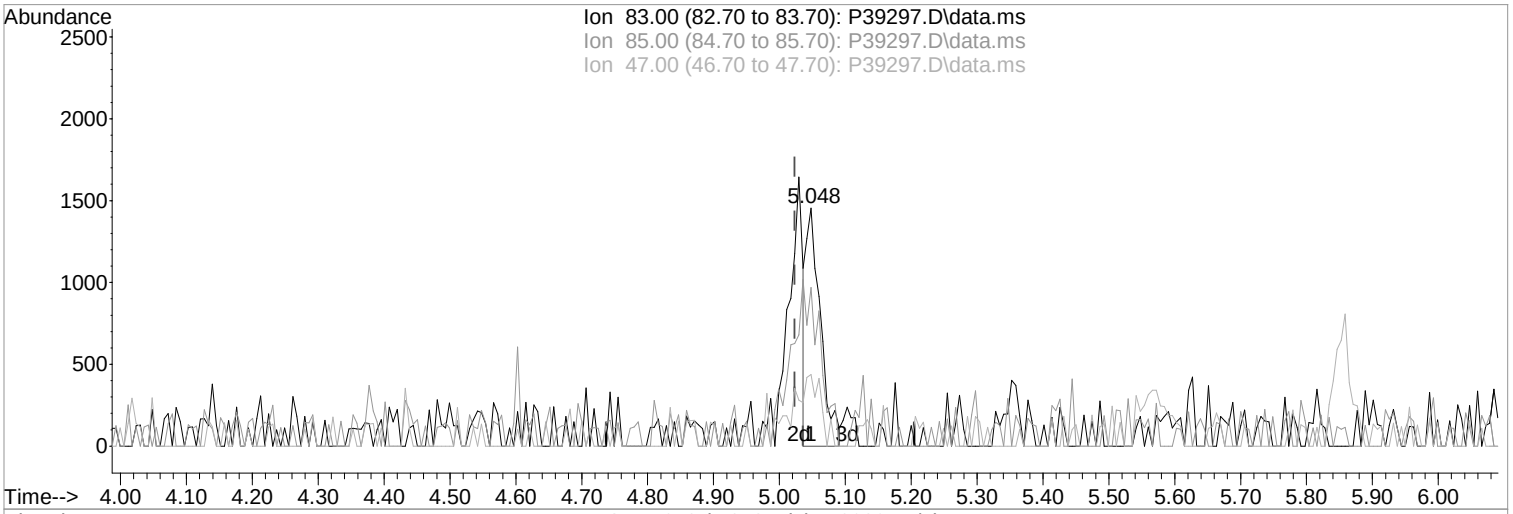
09/04/20

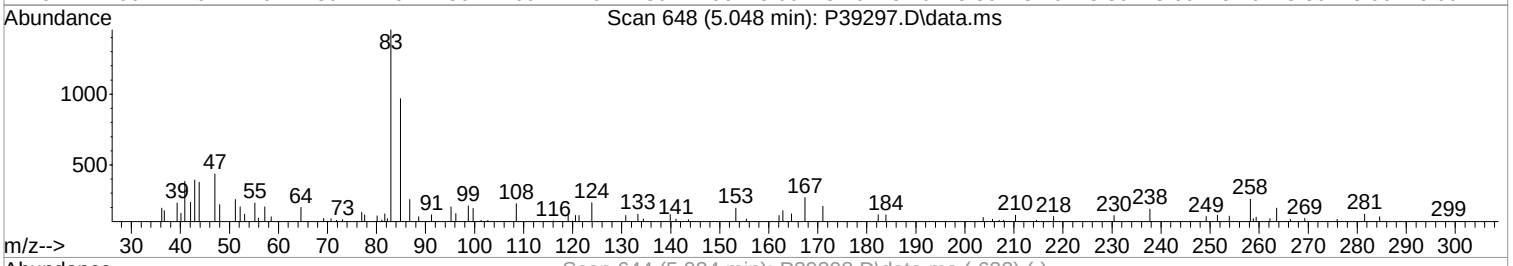
1st 09/05/20
2nd 09/05/20

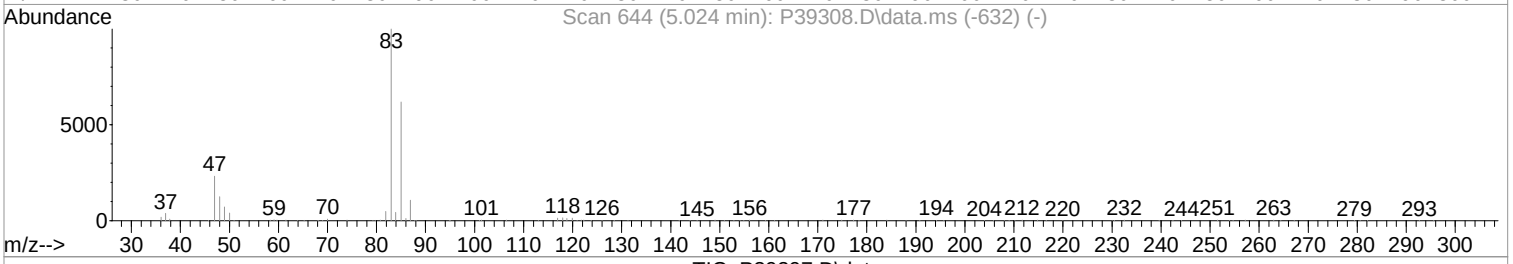
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(40) Chloroform (P)

5.048min (+0.025) 0.40 ppb

response 2235

Ion	Exp%	Act%
83.00	100	100
85.00	62.00	66.60
47.00	23.20	30.03
0.00	0.00	0.00

Manual Integration:

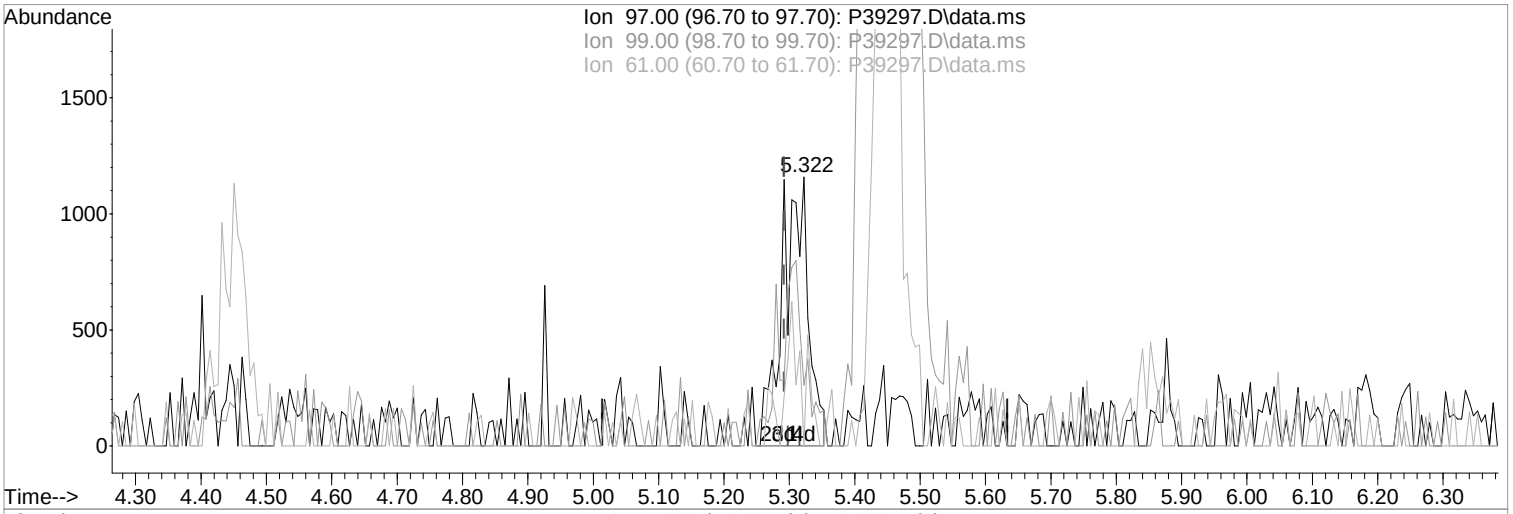
Before

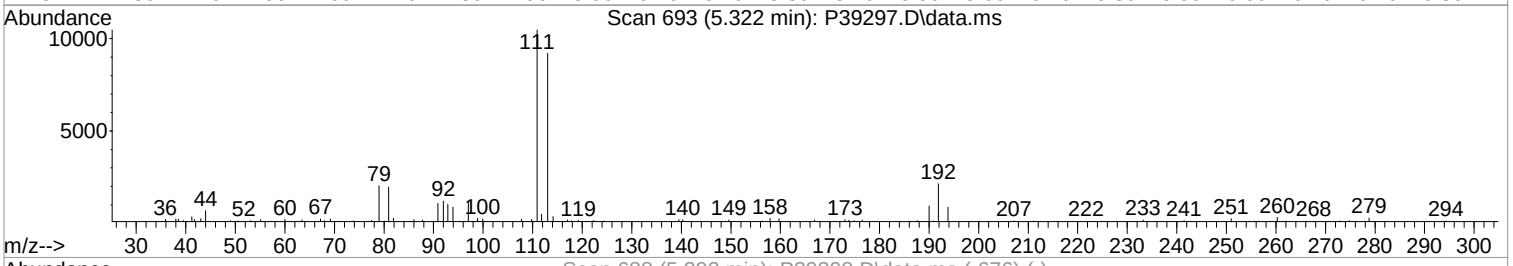
09/04/20

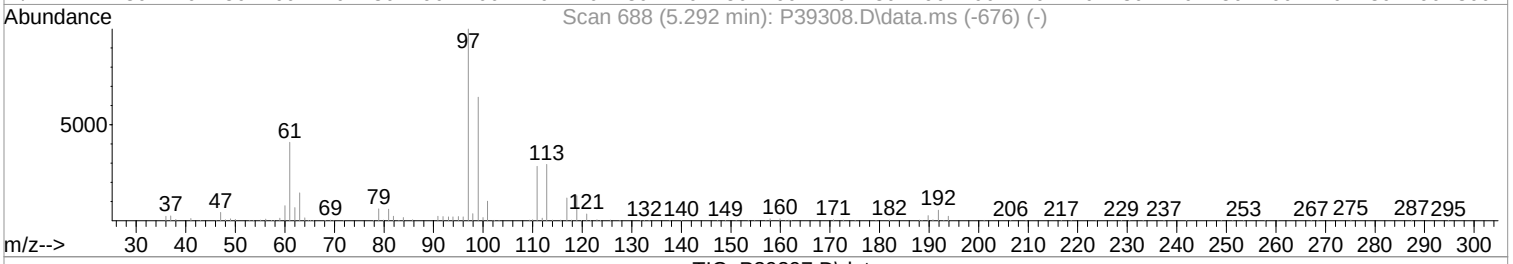
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

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

5.322min (+0.030) 0.63 ppb m

response 3192

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	22.69#
61.00	41.10	0.00#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

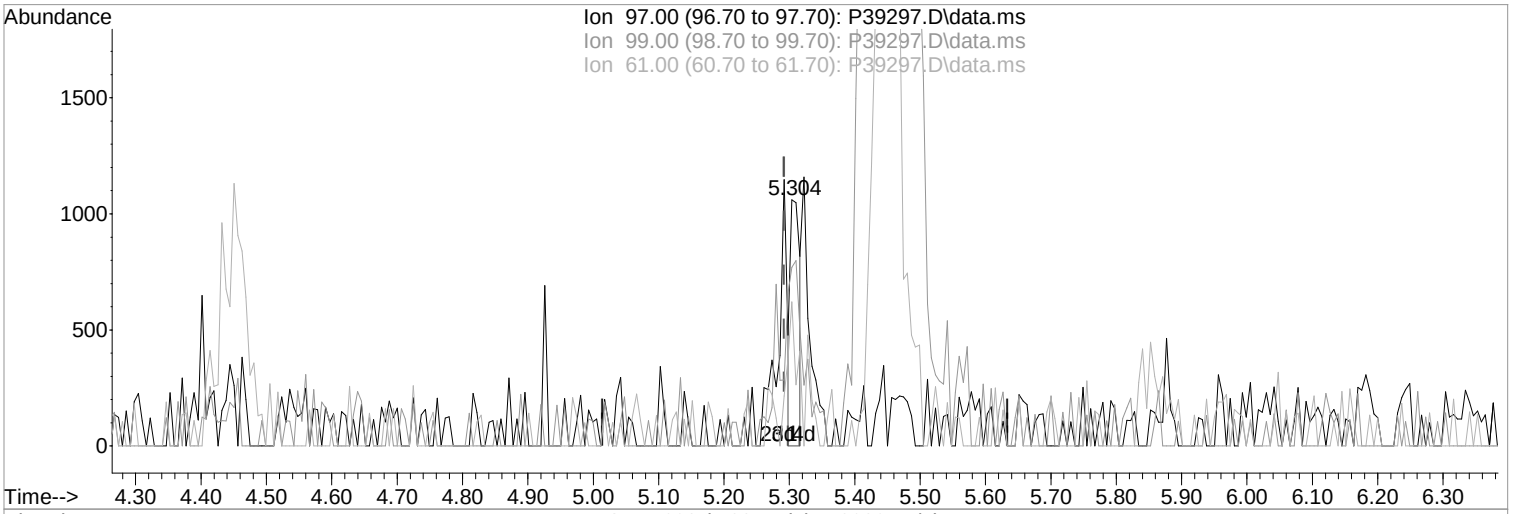
09/04/20

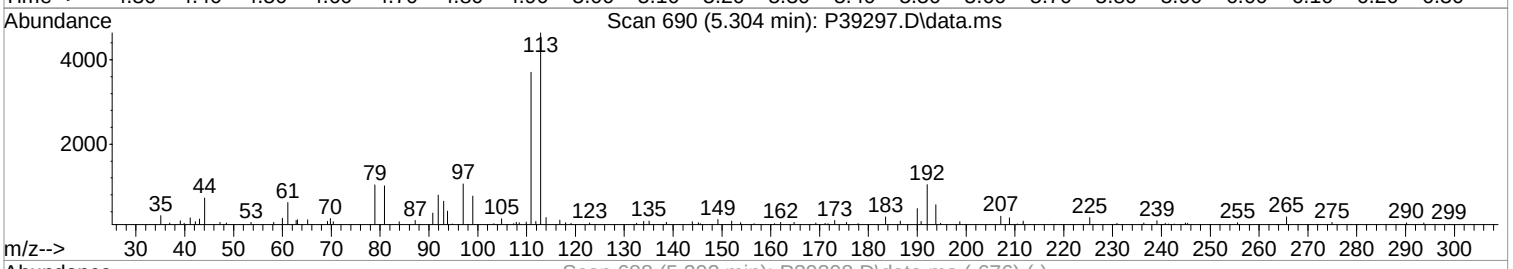
1st 09/05/20
2nd 09/05/20

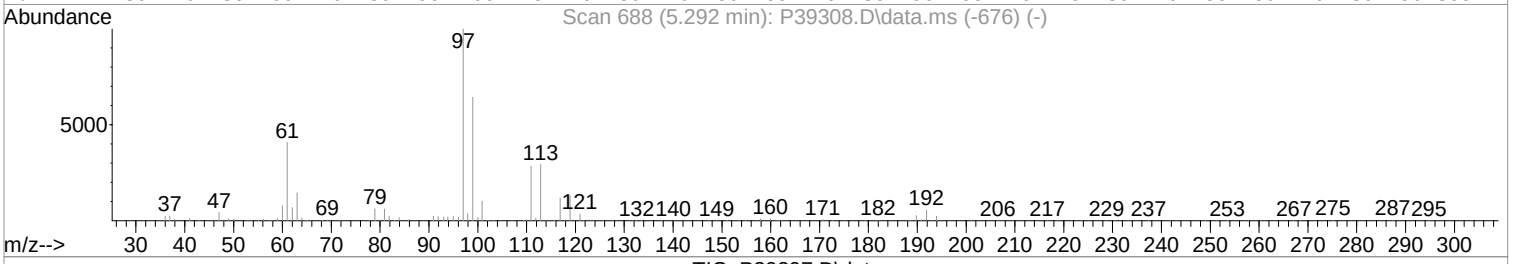
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

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

5.304min (+0.012) 0.21 ppb

response 1069

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	72.64
61.00	41.10	58.58
0.00	0.00	0.00

Manual Integration:

Before

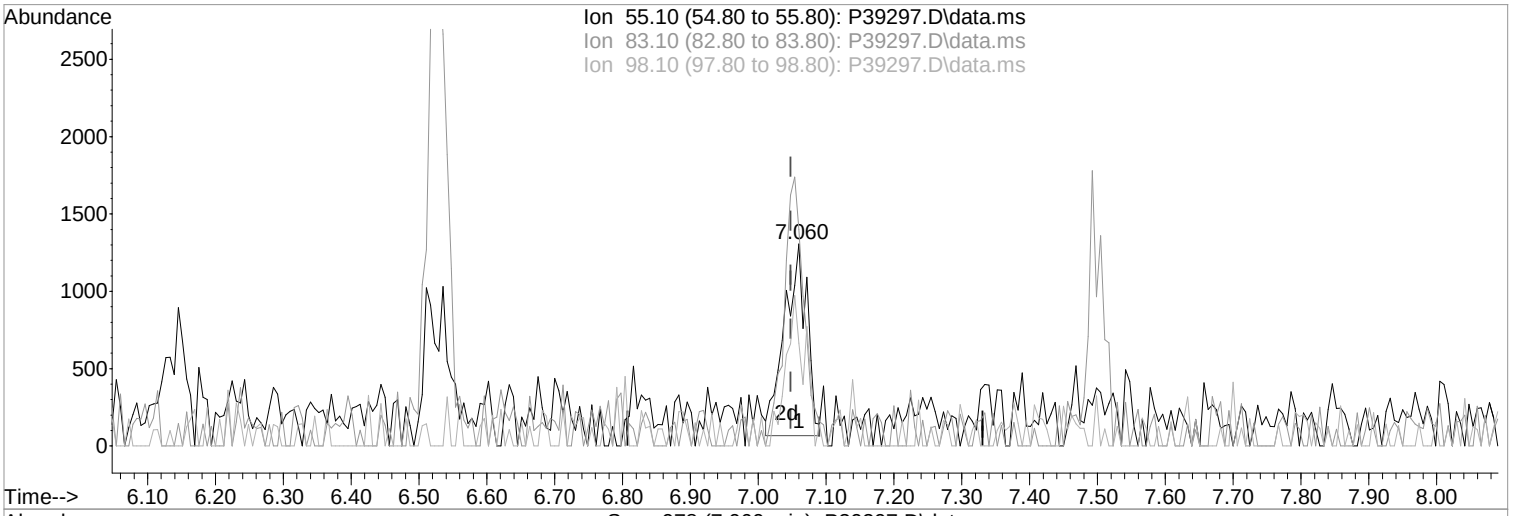
09/04/20

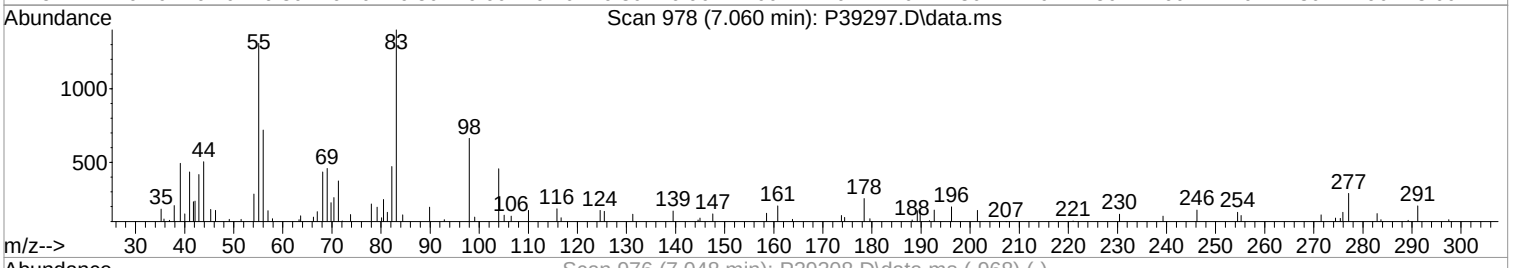
1st 09/05/20
2nd 09/05/20

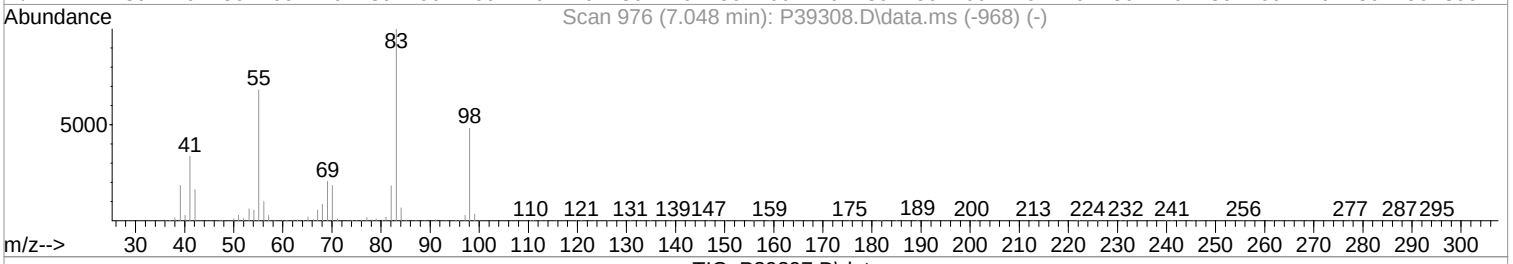
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(55) Methylcyclohexane (P)

7.060min (+0.012) 0.68 ppb m

response 2851

Ion	Exp%	Act%
55.10	100	100
83.10	139.80	107.12#
98.10	67.40	50.80
0.00	0.00	0.00

Manual Integration:

After

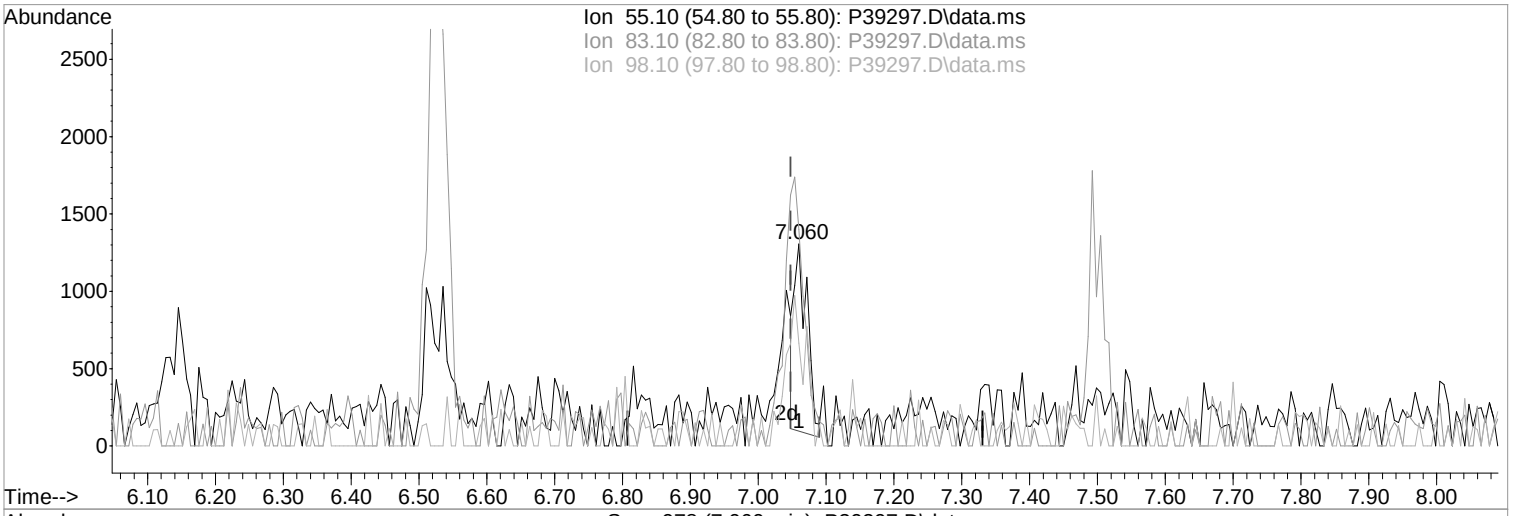
Split Peak

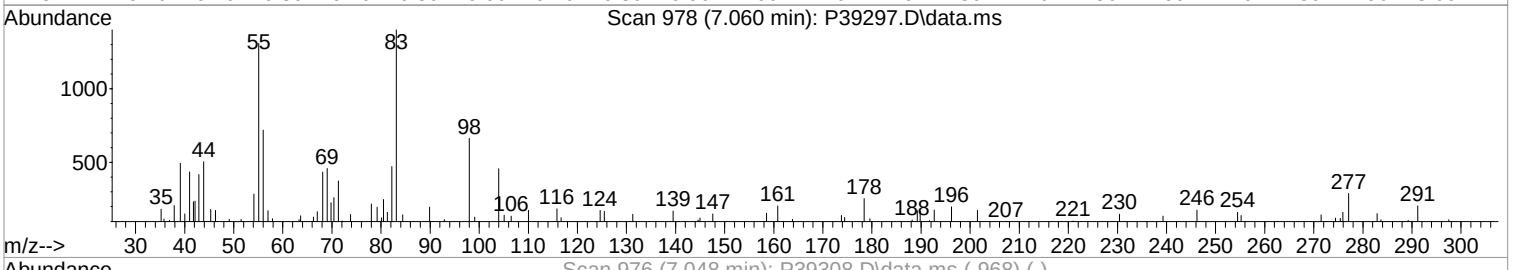
09/04/20

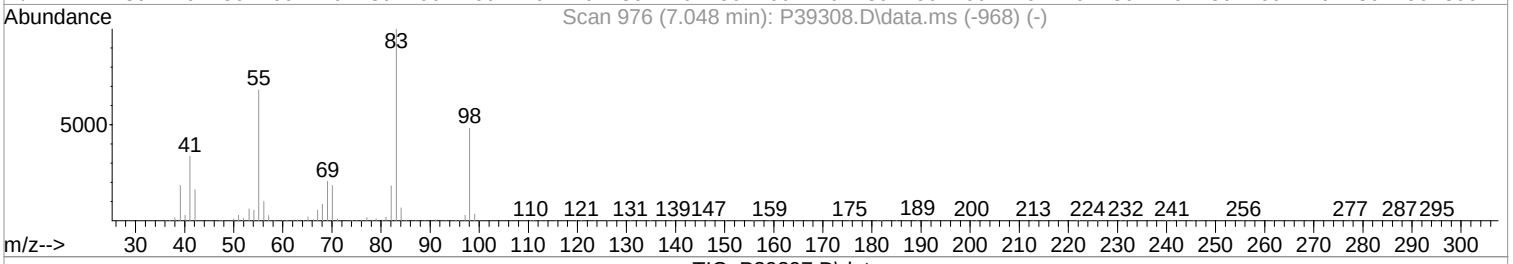
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(55) Methylcyclohexane (P)

7.060min (+0.012) 0.39 ppb

response 1625

Ion	Exp%	Act%
55.10	100	100
83.10	139.80	107.12#
98.10	67.40	50.80
0.00	0.00	0.00

Manual Integration:

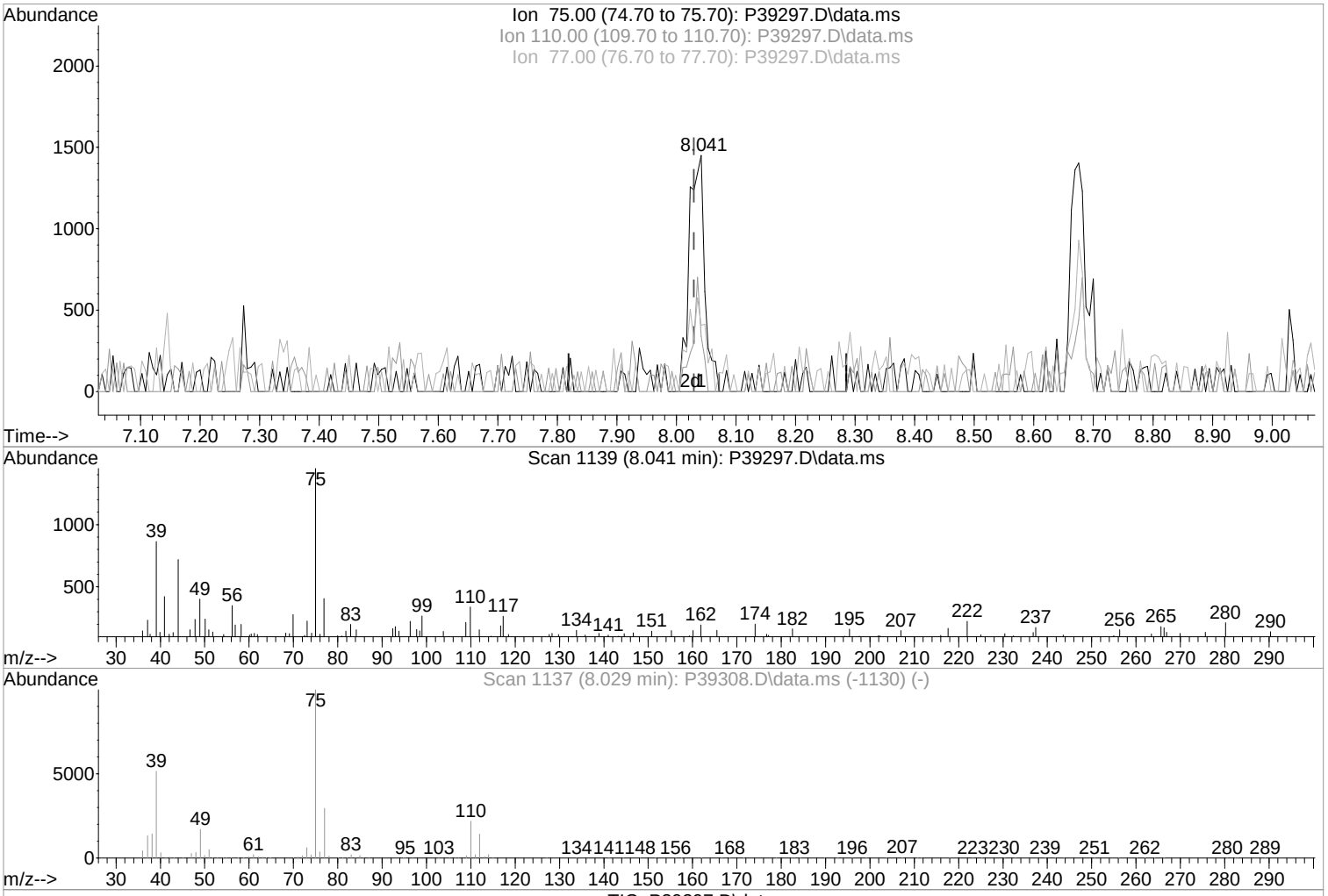
Before

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39297.D\data.ms

(63) cis-1,3-Dichloropropene (P)

8.041min (+0.012) 0.50 ppb m

response 2613

Ion	Exp%	Act%
75.00	100	100
110.00	21.70	23.36
77.00	29.60	28.05
0.00	0.00	0.00

Manual Integration:

After

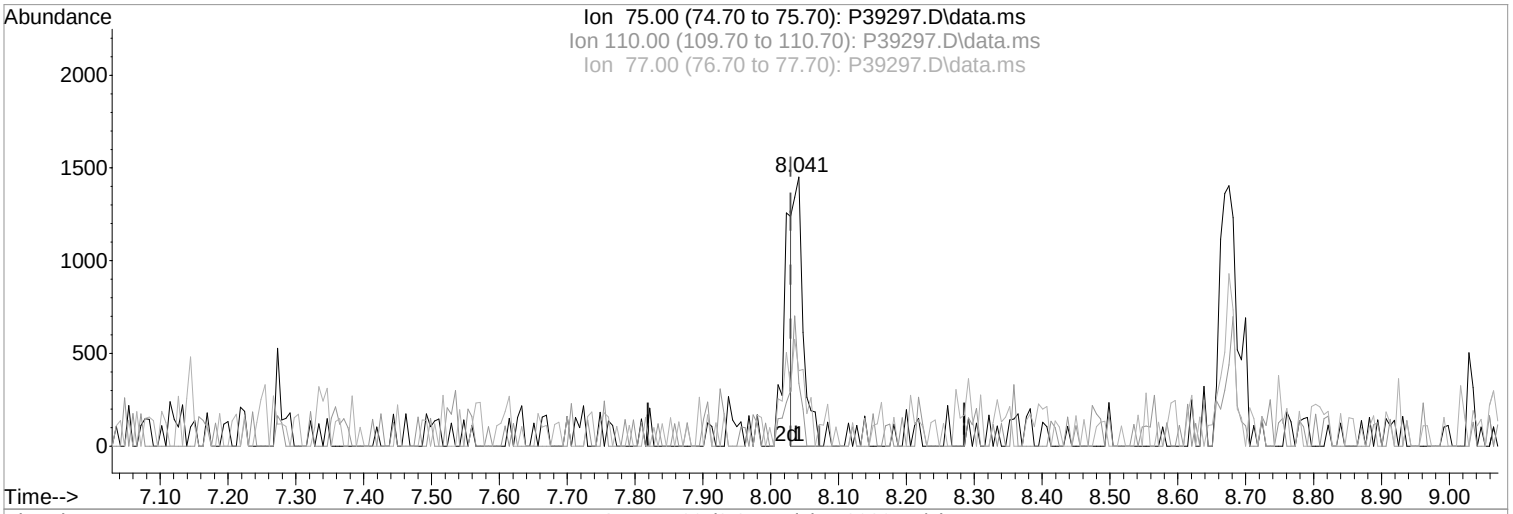
Split Peak

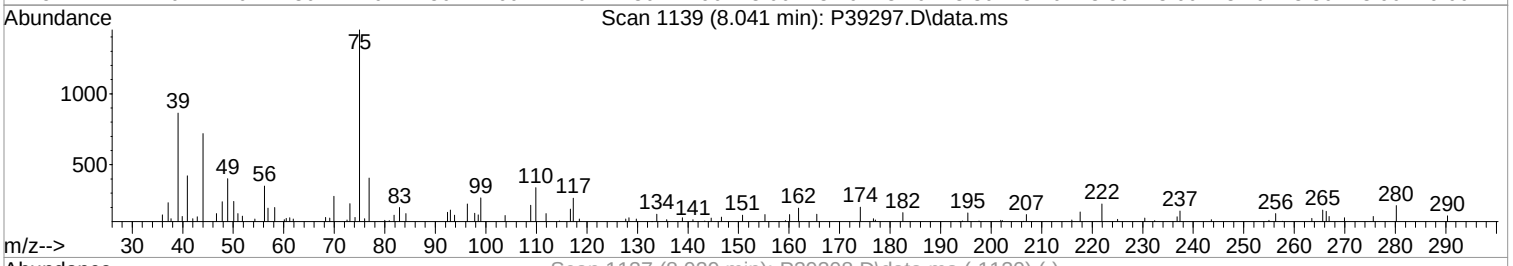
09/04/20

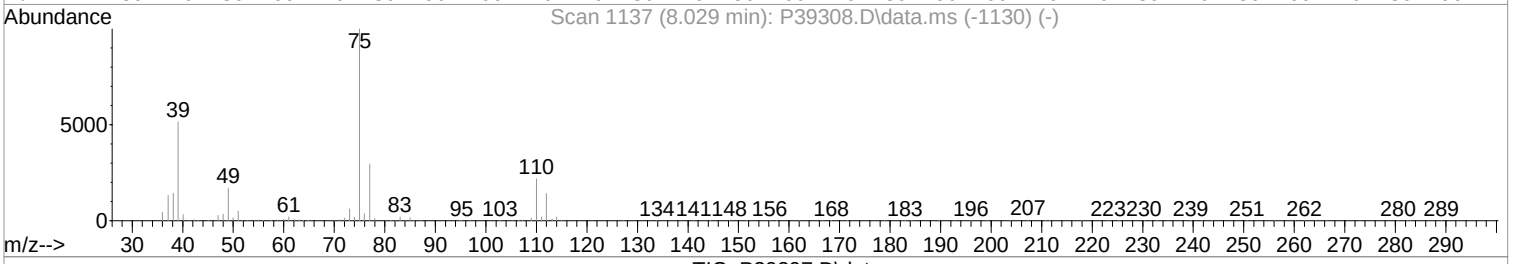
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(63) cis-1,3-Dichloropropene (P)

8.041min (+0.012) 0.28 ppb

response 1480

Ion	Exp%	Act%
75.00	100	100
110.00	21.70	23.36
77.00	29.60	28.05
0.00	0.00	0.00

Manual Integration:

Before

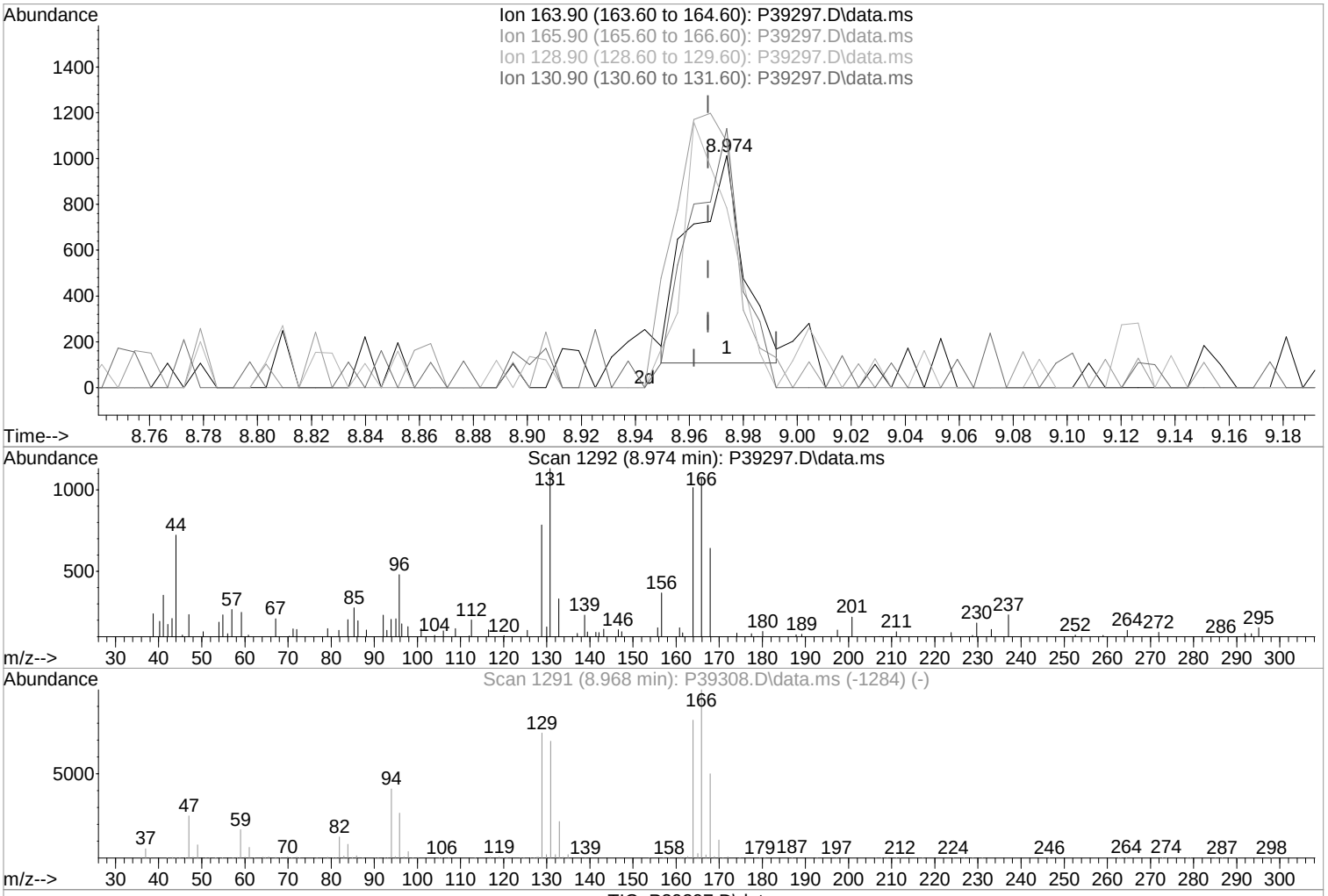
09/04/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39297.D\data.ms

(72) Tetrachloroethene (P)

8.974min (+0.007) 0.44 ppb m

response 1224

Ion	Exp%	Act%
163.90	100	100
165.90	122.00	106.02
128.90	90.70	77.39
130.90	84.60	111.65#

Manual Integration:

After

Poor integration.

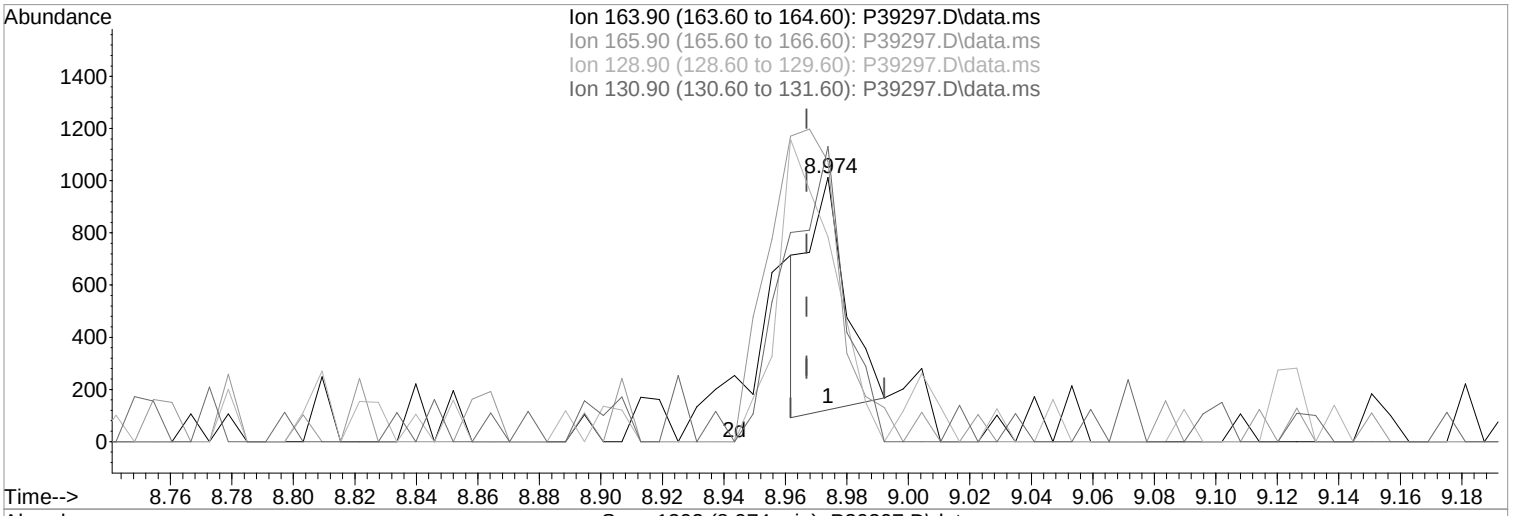
09/04/20

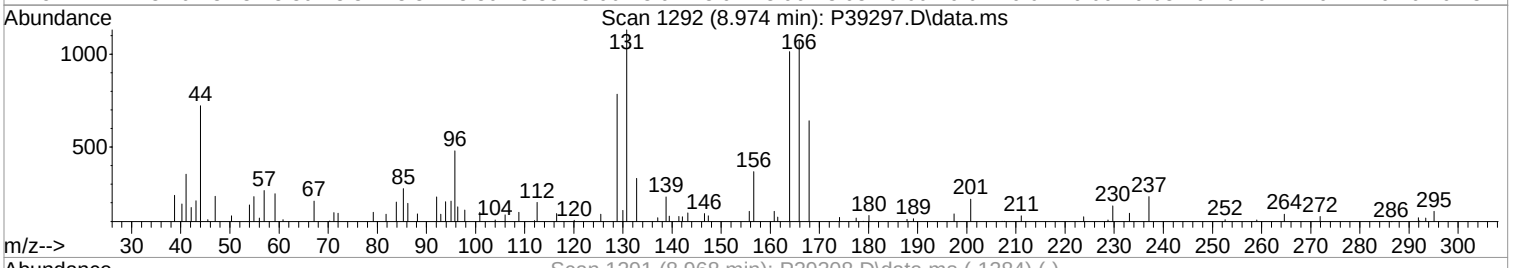
1st 09/05/20
2nd 09/05/20

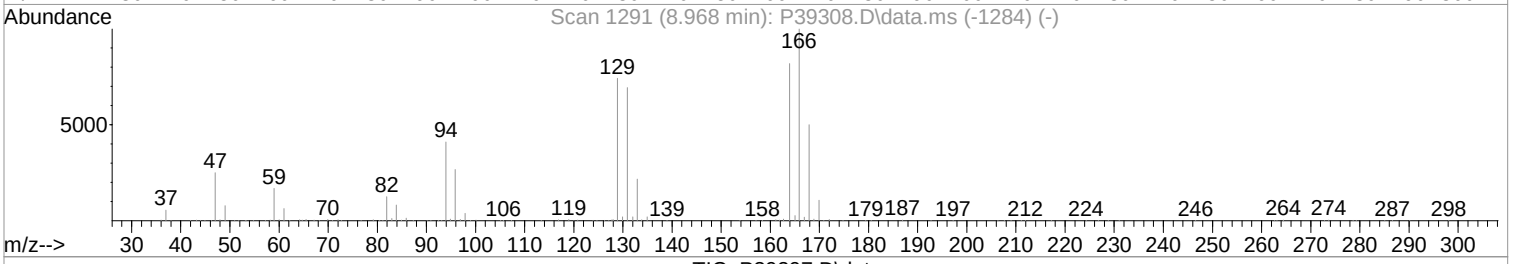
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39297.D\data.ms

(72) Tetrachloroethene (P)

8.974min (+0.007) 0.28 ppb

response 765

Ion	Exp%	Act%
163.90	100	100
165.90	122.00	106.02
128.90	90.70	77.39
130.90	84.60	111.65#

Manual Integration:

Before

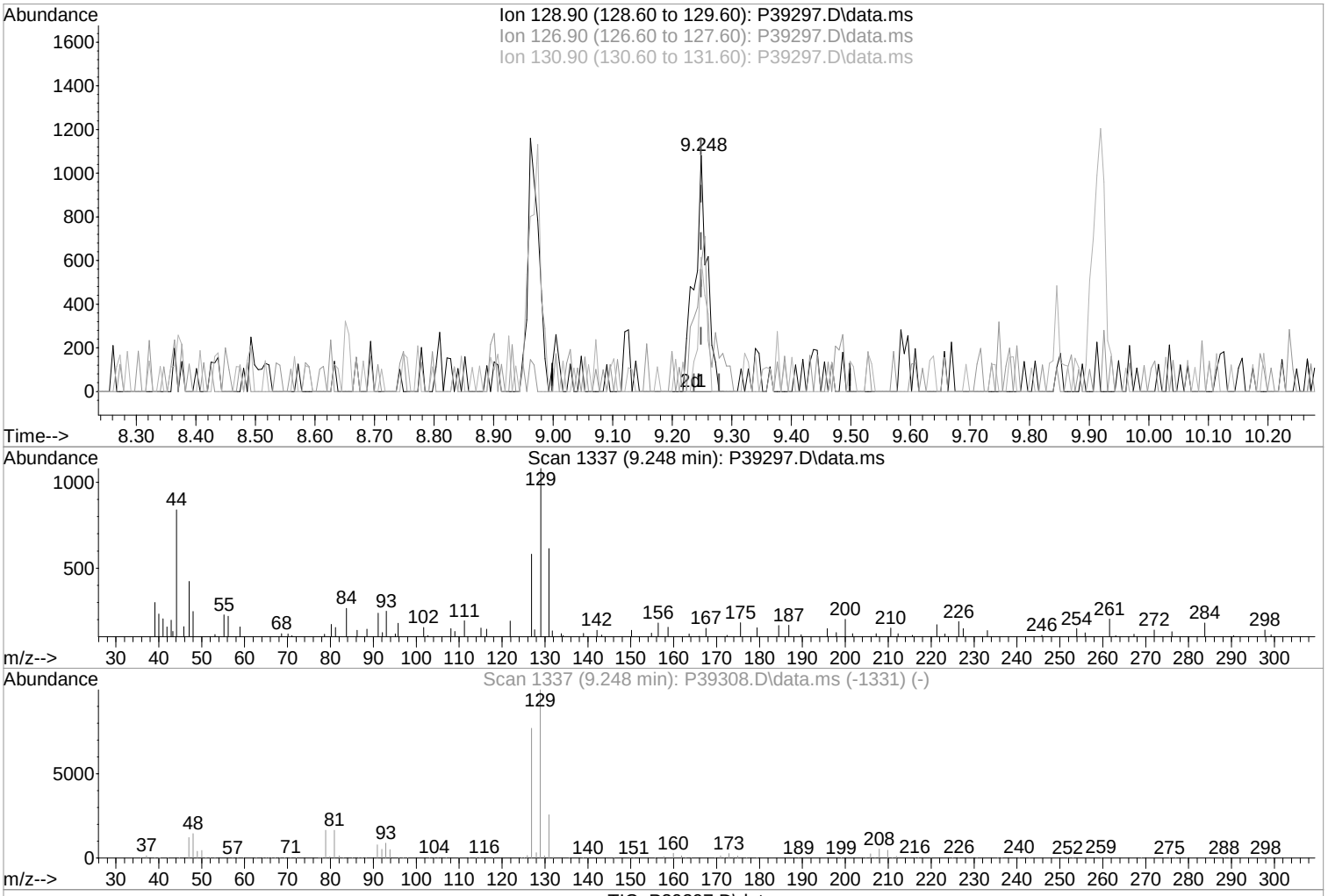
09/04/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39297.D\data.ms

(75) Dibromochloromethane (P)

9.248min (-0.000) 0.52 ppb m

response 1597

Ion	Exp%	Act%
128.90	100	100
126.90	76.90	53.75#
130.90	25.70	56.80#
0.00	0.00	0.00

Manual Integration:

After

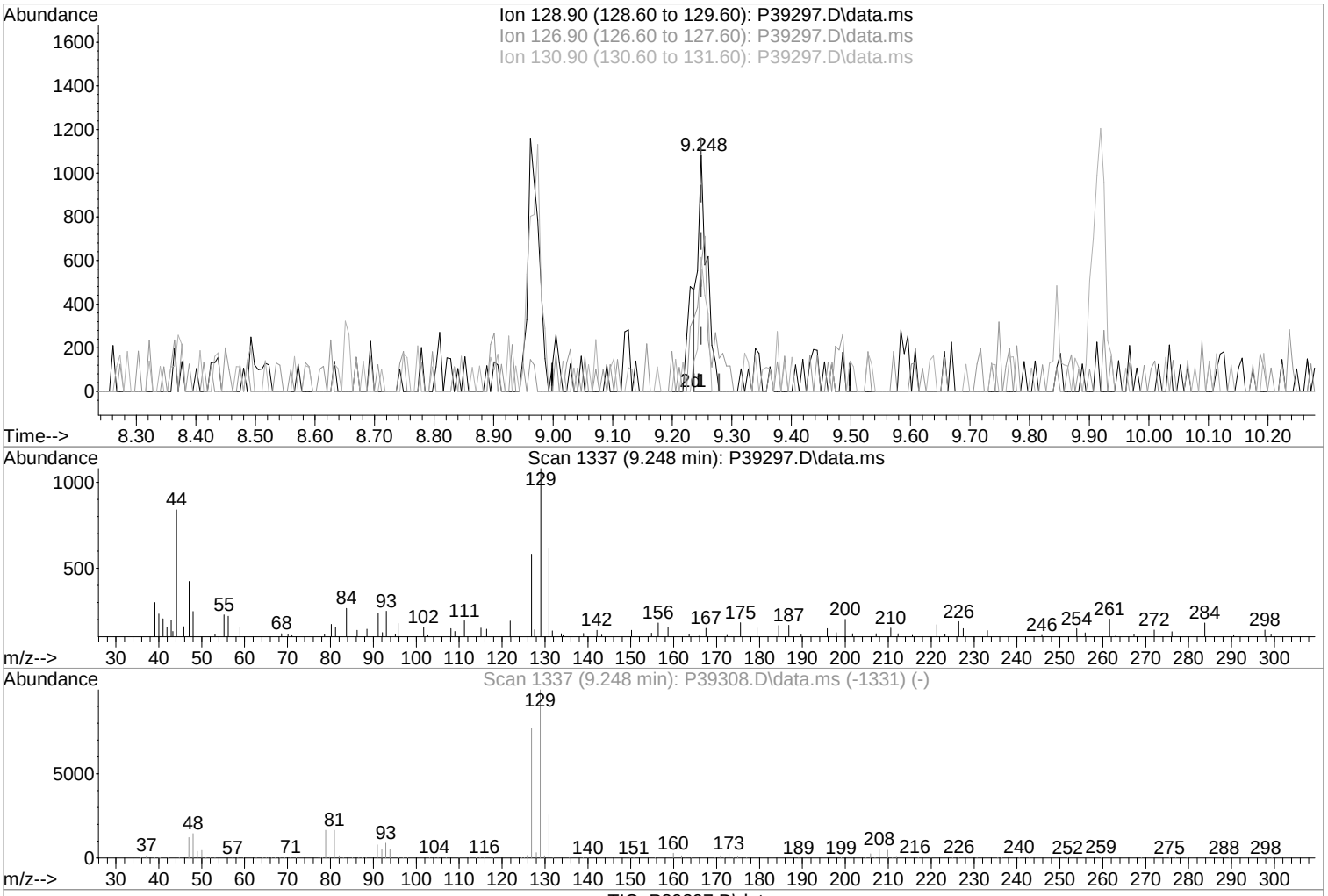
Poor integration.

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:26:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39297.D\data.ms

(75) Dibromochloromethane (P)

9.248min (-0.000) 0.38 ppb

response 1162

Ion	Exp%	Act%
128.90	100	100
126.90	76.90	66.79
130.90	25.70	56.80#
0.00	0.00	0.00

Manual Integration:

Before

09/04/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:49:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.456	168	326394	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.529	114	491799	50.00	ppb		0.00
71) d5-Chlorobenzene	9.803	117	451404	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	225830	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.328	113	26971	9.34	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 18.68%#				
48) surr1,1,2-dichloroetha...	5.853	65	41428	10.75	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.50%#				
65) SURR3,Toluene-d8	8.322	98	140780	10.73	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.46%#				
70) SURR2,BFB	10.870	95	54030	10.62	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 21.24%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	2569	0.60	ppb		93
3) Chloromethane	1.329	50	2889	0.65	ppb		91
4) Vinyl Chloride	1.402	62	2905	0.53	ppb		85
5) Bromomethane	1.640	94	4029	0.84	ppb		99
6) Chloroethane	1.713	64	1719	0.43	ppb		76
7) Freon 21	1.866	67	2884	0.47	ppb		97
8) Trichlorofluoromethane	1.902	101	3012	0.59	ppb		78
9) Diethyl Ether	2.152	59	1866	0.62	ppb	#	61
10) Freon 123a	2.158	67	2003m	0.58	ppb		
11) Freon 123	2.213	83	2340	0.57	ppb		89
13) 1,1-Diclethene	2.341	96	1267	0.53	ppb	#	80
14) Freon 113	2.335	101	1307	0.48	ppb	#	1
17) Iodomethane	2.475	142	711	0.23	ppb		76
18) Carbon Disulfide	2.524	76	5278	0.64	ppb		88
20) Allyl Chloride	2.682	76	888	0.56	ppb	#	69
22) Methylene Chloride	2.798	84	2175	0.68	ppb	#	77
24) Acrylonitrile	3.085	53	4239	2.44	ppb	#	46
25) Methyl-t-Butyl Ether	3.091	73	5927	0.54	ppb		94
26) trans-1,2-Dichloroethene	3.091	96	1623	0.58	ppb		91
28) 1,1-Diclethane	3.597	63	2477m	0.46	ppb		
30) DIPE	3.713	45	5133	0.56	ppb	#	62
31) 2-Chloro-1,3-Butadiene	3.719	53	2928m	0.58	ppb		
32) ETBE	4.225	59	4208	0.44	ppb		82
33) 2,2-Dichloropropane	4.438	77	1800	0.36	ppb		74
34) cis-1,2-Dichloroethene	4.450	96	2356	0.70	ppb	#	73
37) Bromochloromethane	4.877	130	1843m	0.85	ppb		
40) Chloroform	5.030	83	4587m	0.82	ppb		
41) 1,1,1-Trichloroethane	5.322	97	3192m	0.63	ppb		
42) TAME	6.139	73	4889	0.48	ppb		93
46) Carbontetrachloride	5.566	117	2079	0.53	ppb	#	65
47) 1,1-Dichloropropene	5.590	75	2404	0.57	ppb		78
49) Benzene	5.914	78	7112	0.55	ppb		84
50) 1,2-Dichloroethane	5.974	62	2604	0.56	ppb		83
52) n-Heptane	6.359	43	2891	0.77	ppb		88
54) Trichloroethene	6.834	130	2243	0.61	ppb	#	86
55) Methylcyclohexane	7.060	55	2851m	0.68	ppb		
56) 1,2-Diclpropane	7.139	63	1703	0.52	ppb		75
57) Dibromomethane	7.279	93	1288	0.57	ppb	#	70
60) Bromodichloromethane	7.492	83	2472	0.57	ppb		81

1st 09/05/20
2nd 09/05/20

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:49:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
62) 2-Chloroethylvinyl Ether	7.913	63	1082	0.51	ppb		87
63) cis-1,3-Dichloropropene	8.041	75	2613m	0.50	ppb		
64) 4-Methyl-2-pentanone	8.248	43	2891	0.65	ppb		92
66) Toluene	8.389	91	8208	0.55	ppb		84
67) trans-1,3-Dichloropropene	8.675	75	2349	0.47	ppb	#	63
68) Ethyl Methacrylate	8.797	69	3208	0.57	ppb		83
69) 1,1,2-Trichloroethane	8.858	97	2506	0.77	ppb		90
72) Tetrachloroethene	8.974	164	1224m	0.44	ppb		
73) 2-Hexanone	9.151	43	2221	0.67	ppb		81
74) 1,3-Dichloropropane	9.029	76	3465	0.60	ppb		97
75) Dibromochloromethane	9.248	129	1597m	0.52	ppb		
76) N-Butyl Acetate	9.297	43	3944	0.58	ppb		86
77) 1,2-Dibromoethane	9.346	107	1876	0.54	ppb		81
78) Chlorobenzene	9.827	112	4830	0.51	ppb		97
79) 3-CBTF	9.840	180	2716	0.52	ppb	#	77
80) 4-CBTF	9.894	180	2774	0.61	ppb		92
81) 1,1,1,2-Tetrachloroethane	9.919	131	1787	0.55	ppb	#	78
82) Ethylbenzene	9.937	106	2800	0.53	ppb	#	69
83) (m+p)Xylene	10.053	106	6431	1.02	ppb		88
84) o-Xylene	10.407	106	3387	0.53	ppb		96
85) Styrene	10.425	104	5643	0.53	ppb		90
87) Bromoform	10.596	173	742	0.38	ppb		74
88) 2-CBTF	10.656	180	3269	0.70	ppb		96
89) Isopropylbenzene	10.736	105	7497	0.50	ppb		98
90) Cyclohexanone	10.827	55	8483	10.28	ppb		96
92) 1,1,2,2-Tetrachloroethane	11.016	83	2219	0.53	ppb		89
93) Bromobenzene	10.986	156	2399	0.60	ppb	#	84
94) 1,2,3-Trichloropropane	11.041	110	887	0.54	ppb	#	83
95) n-Propylbenzene	11.089	91	9051	0.53	ppb		97
96) 2-Chlorotoluene	11.156	91	6831	0.62	ppb		79
97) 3-Chlorotoluene	11.211	91	6105	0.56	ppb	#	93
98) 4-Chlorotoluene	11.254	91	6946	0.55	ppb		93
99) 1,3,5-Trimethylbenzene	11.242	105	6676	0.51	ppb	#	71
100) tert-Butylbenzene	11.516	119	6856	0.62	ppb		98
101) 1,2,4-Trimethylbenzene	11.553	105	7013	0.54	ppb		96
102) 3,4-DCBTF	11.620	214	2229	0.59	ppb		95
103) sec-Butylbenzene	11.693	105	7786	0.50	ppb		83
104) p-Isopropyltoluene	11.815	119	6998	0.52	ppb		93
105) 1,3-Dclbenz	11.784	146	3804	0.50	ppb		80
106) 1,4-Dclbenz	11.857	146	4516	0.57	ppb		96
107) 2,4-DCBTF	11.906	214	1799	0.53	ppb	#	52
108) 2,5-DCBTF	11.949	214	2050	0.52	ppb	#	64
109) n-Butylbenzene	12.144	91	6575	0.54	ppb		86
110) 1,2-Dclbenz	12.162	146	4097	0.53	ppb		89
111) 1,2-Dibromo-3-chloropr...	12.784	157	628	0.51	ppb		87
112) Trielution Dichlorotol...	12.888	125	11624	1.66	ppb	#	82
113) 1,3,5 Trichlorobenzene	12.949	180	3153	0.54	ppb	#	80
114) Coelution Dichlorotoluene	13.223	125	7711	1.02	ppb		99
115) 1,2,4-Tcbenzene	13.430	180	2659	0.45	ppb	#	79
116) Hexachlorobt	13.564	225	1455	0.63	ppb	#	81
117) Naphthalen	13.625	128	8597	0.48	ppb		84
118) 1,2,3-Tclbenzene	13.814	180	3378	0.57	ppb	#	80
119) 2,4,5-Trichlorotolene	14.387	159	2655	0.62	ppb	#	83
120) 2,3,6-Trichlorotoluene	14.473	159	2230	0.58	ppb	#	84

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 17:49:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

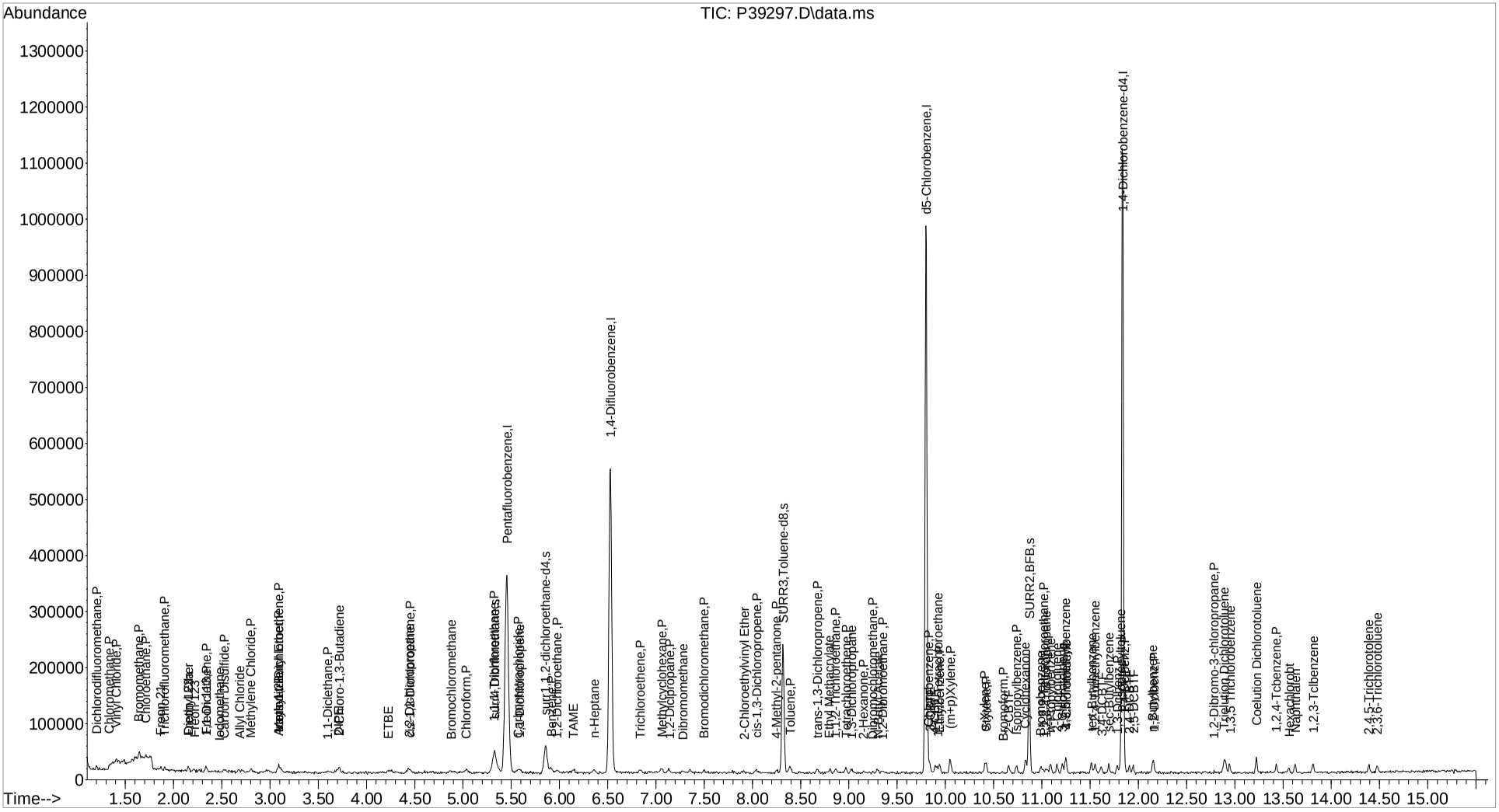
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39297.D
Acq On : 4 Sep 2020 12:13 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

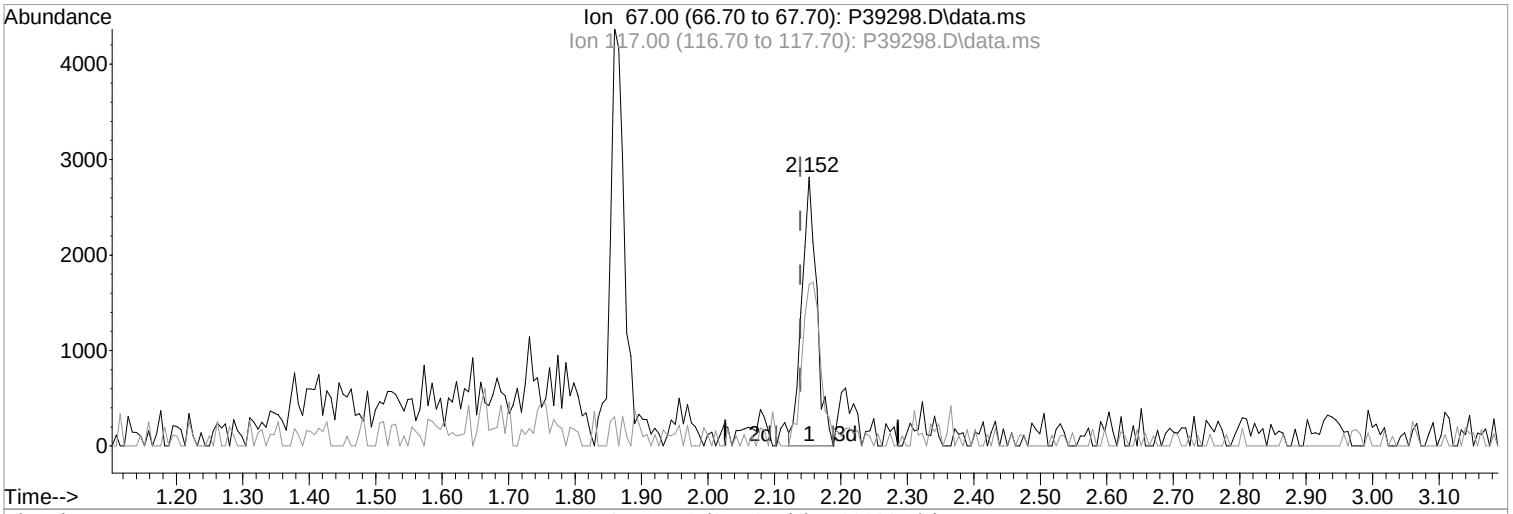
Quant Time: Sep 04 17:49:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

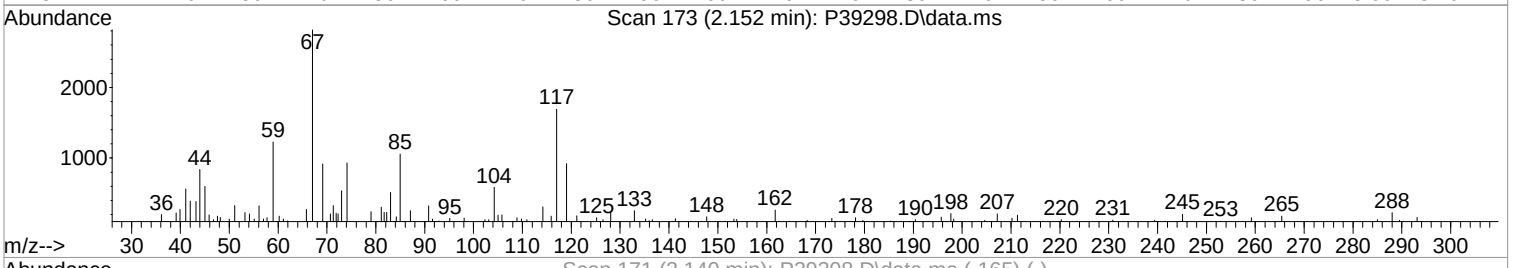


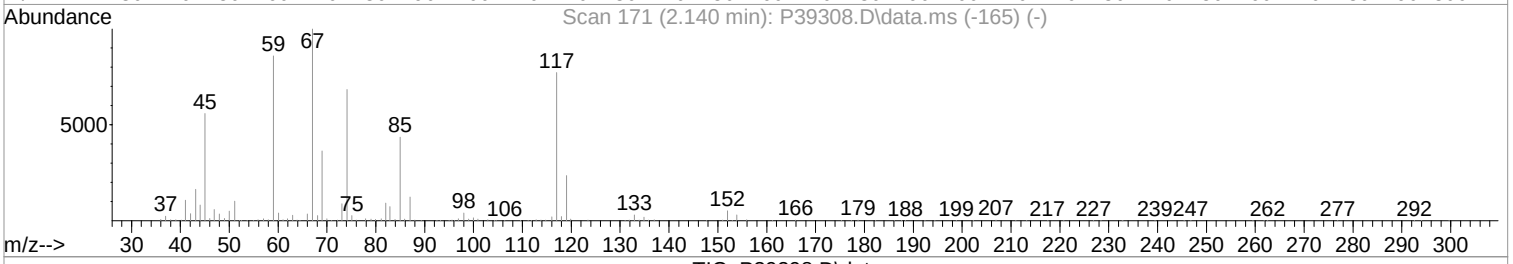
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(10) Freon 123a

2.152min (+0.013) 1.28 ppb m

response 4393

Ion	Exp%	Act%
67.00	100	100
117.00	77.50	60.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

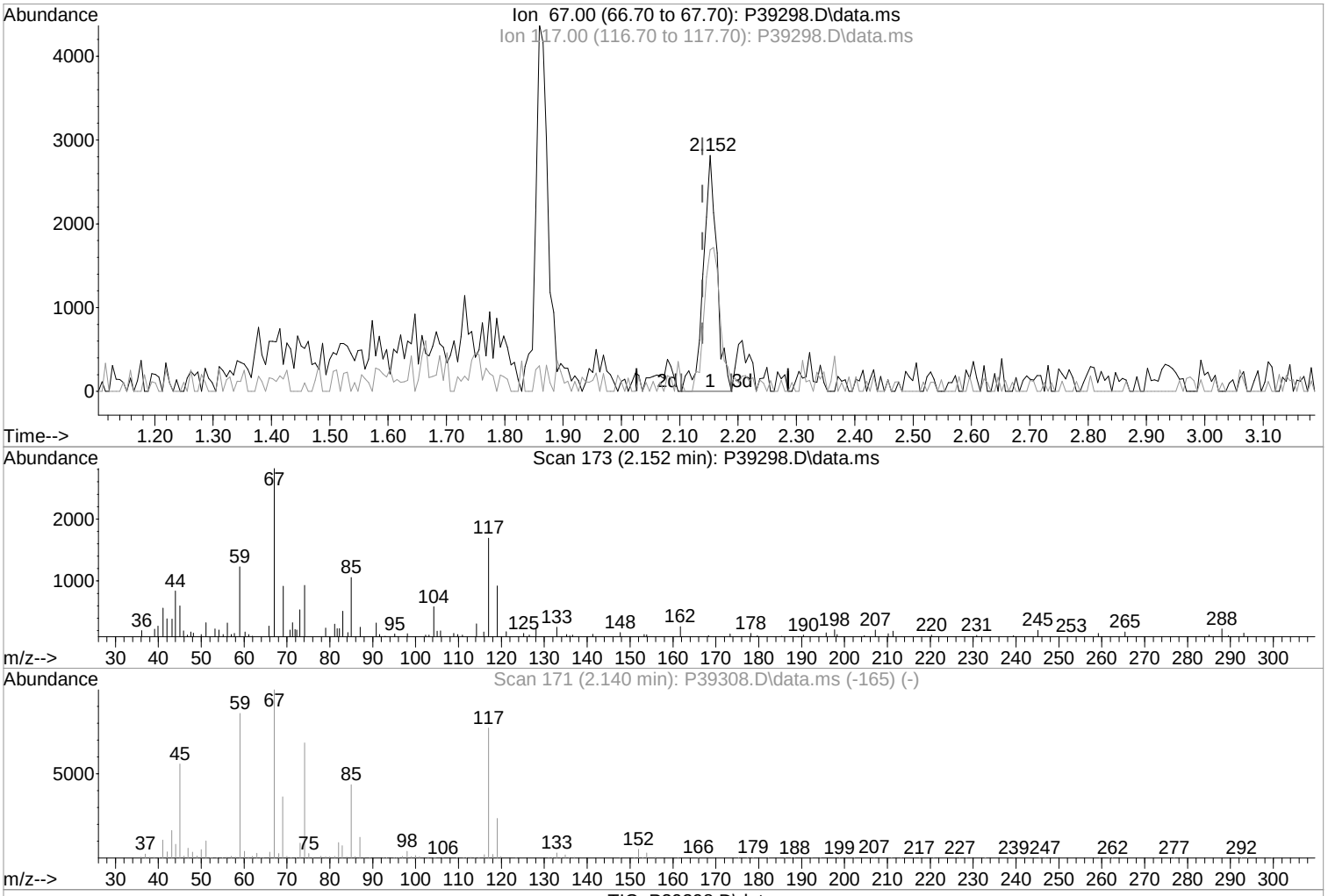
Poor integration.

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39298.D\data.ms

(10) Freon 123a

2.152min (+0.013) 1.34 ppb

response 4602

Ion	Exp%	Act%
67.00	100	100
117.00	77.50	60.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

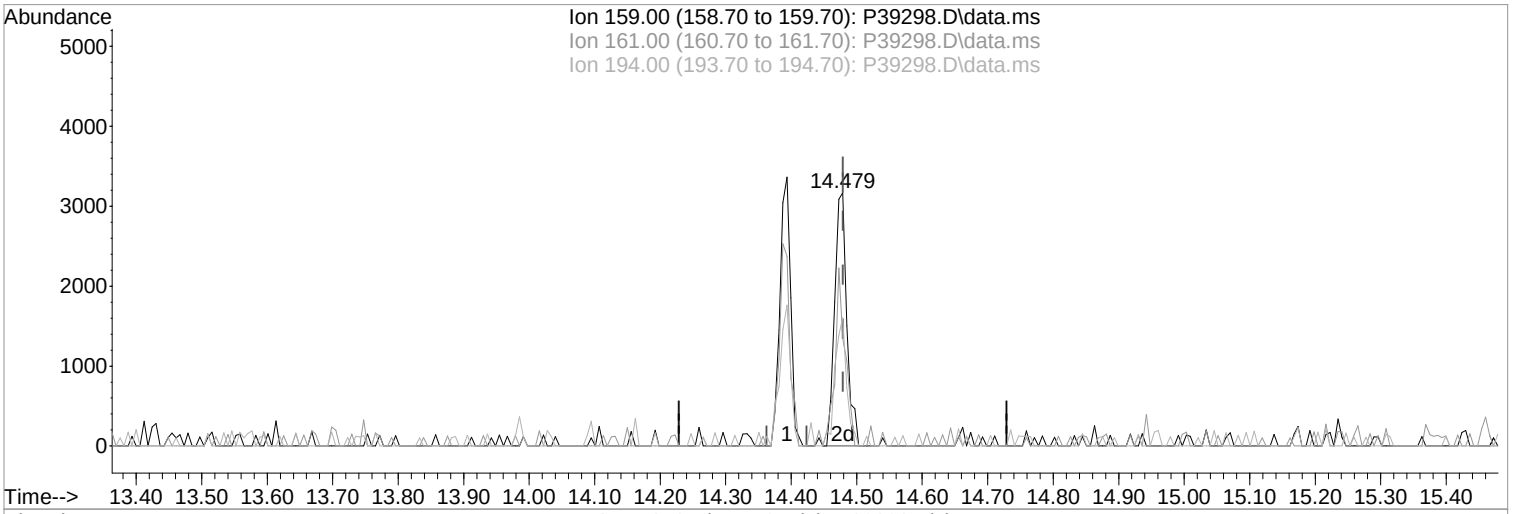
Before

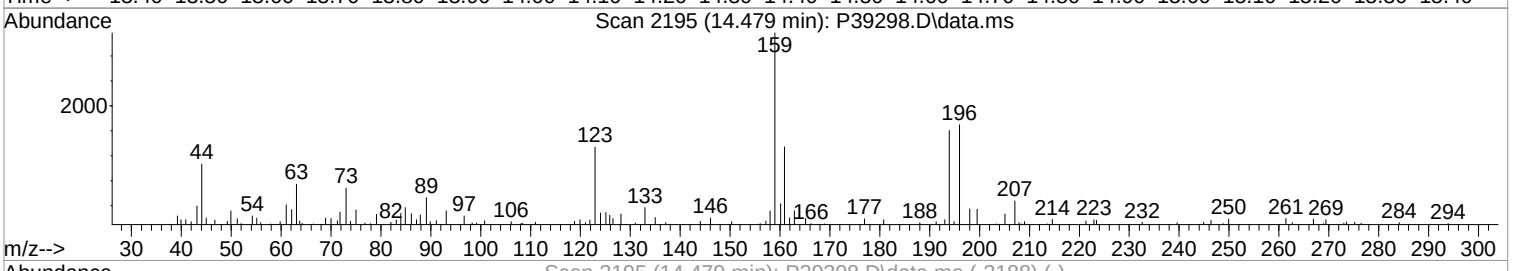
09/04/20

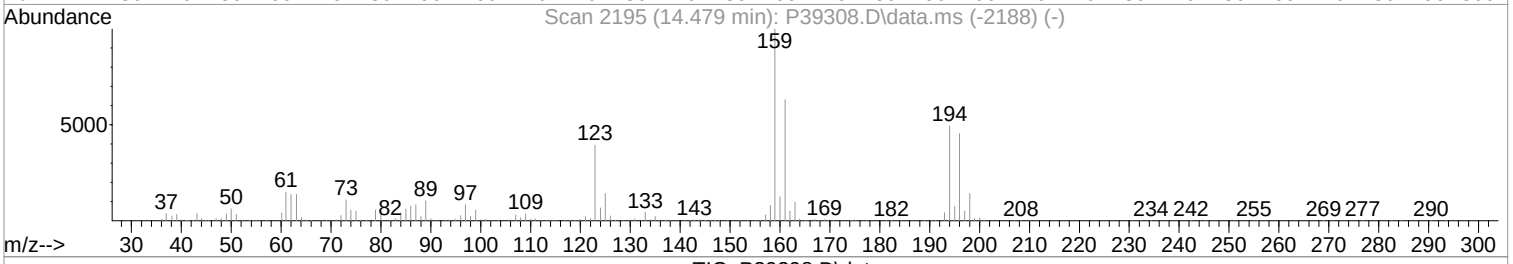
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.479min (-0.000) 1.04 ppb m

response 4083

Ion	Exp%	Act%
159.00	100	100
161.00	63.20	42.43#
194.00	49.30	50.57
0.00	0.00	0.00

Manual Integration:

After

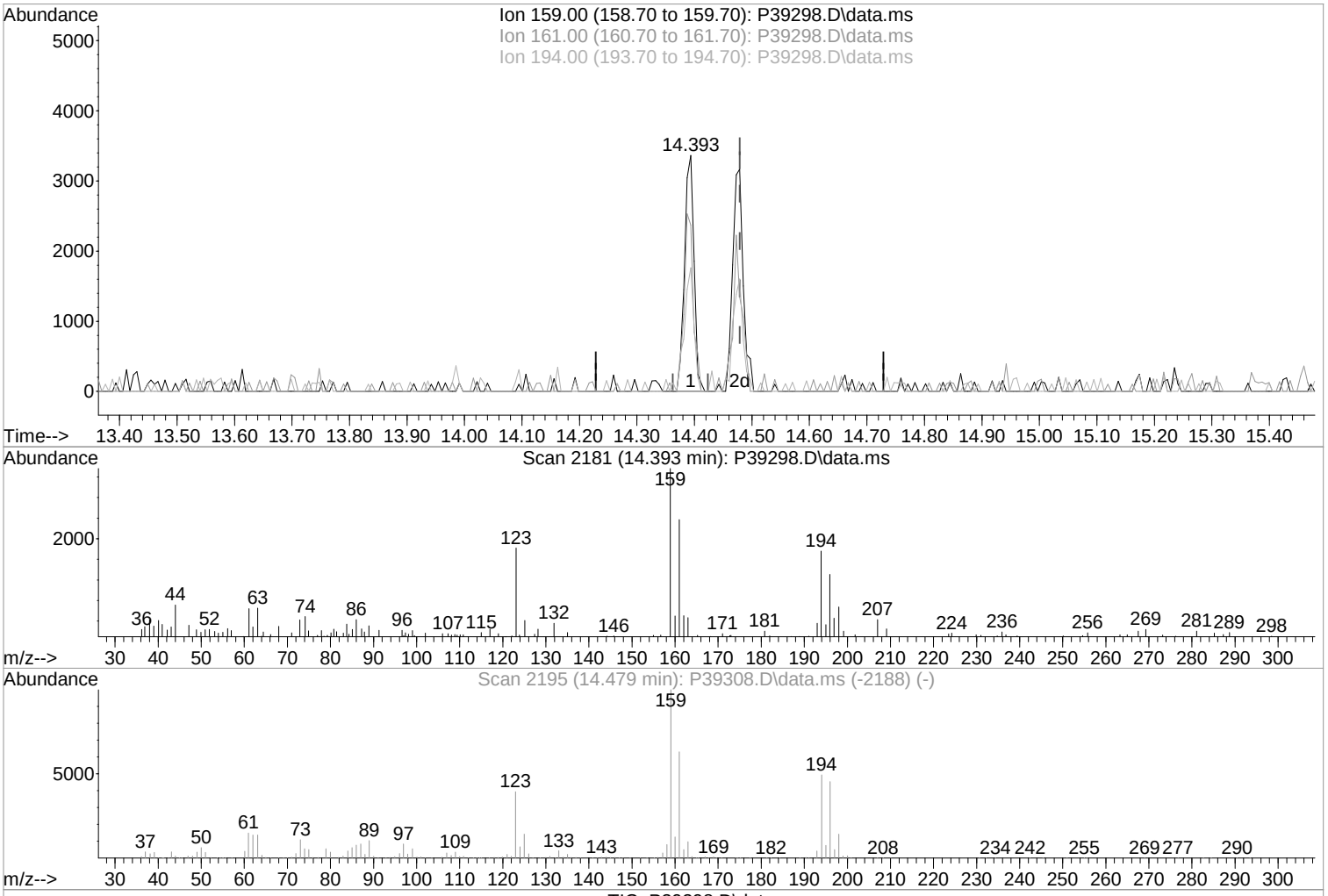
Wrong peak selected.

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39298.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.393min (-0.085) 0.98 ppb

response 3845

Ion	Exp%	Act%
159.00	100	100
161.00	63.20	70.52
194.00	49.30	52.36
0.00	0.00	0.00

Manual Integration:

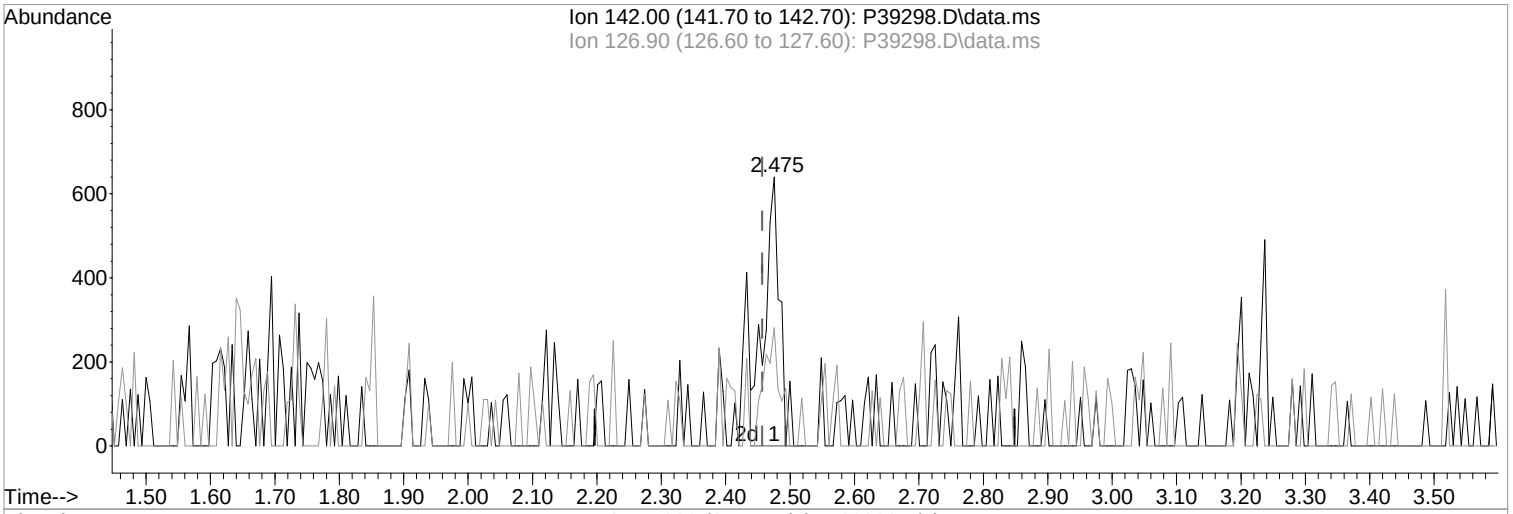
Before

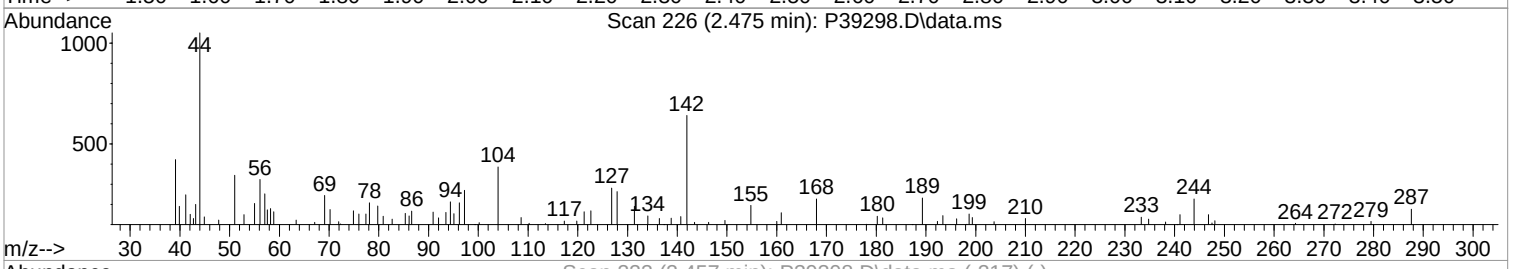
09/04/20

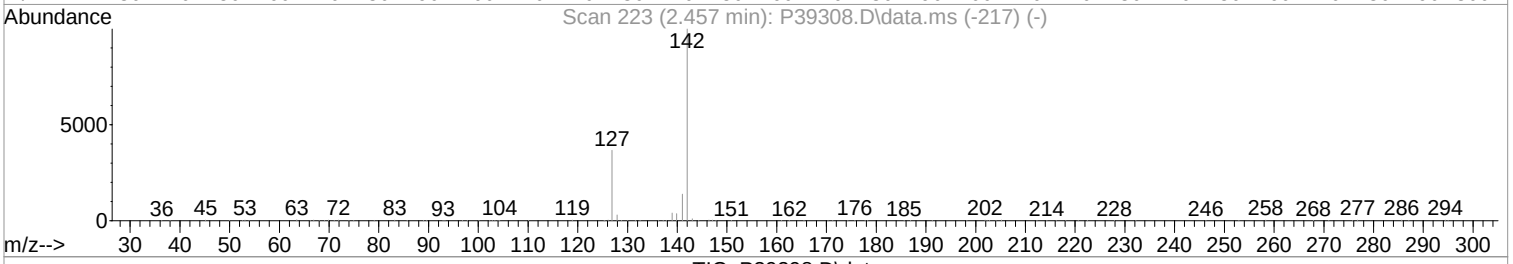
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(17) Iodomethane

2.475min (+0.018) 0.34 ppb m

response 1067

Ion	Exp%	Act%
142.00	100	100
126.90	36.60	43.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

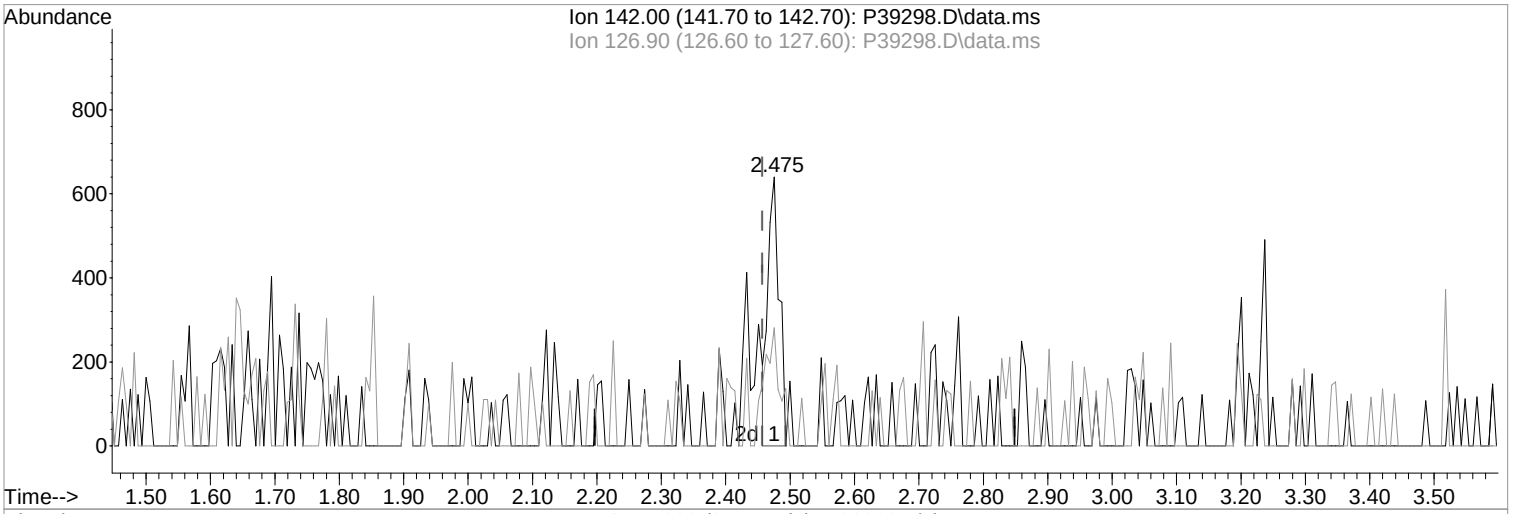
Poor integration.

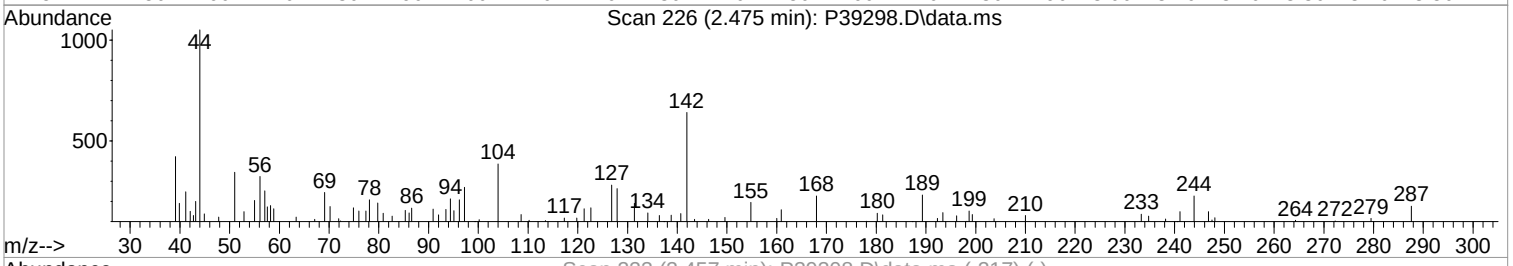
09/04/20

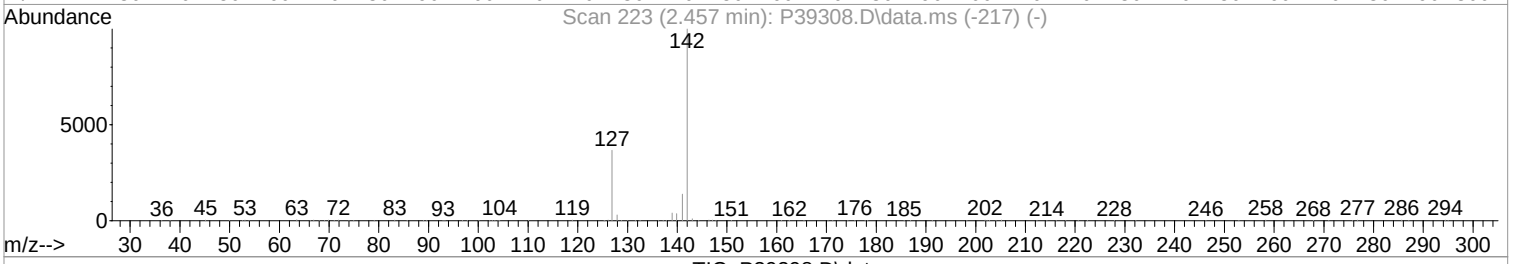
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(17) Iodomethane

2.475min (+0.018) 0.25 ppb

response 781

Ion	Exp%	Act%
142.00	100	100
126.90	36.60	43.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

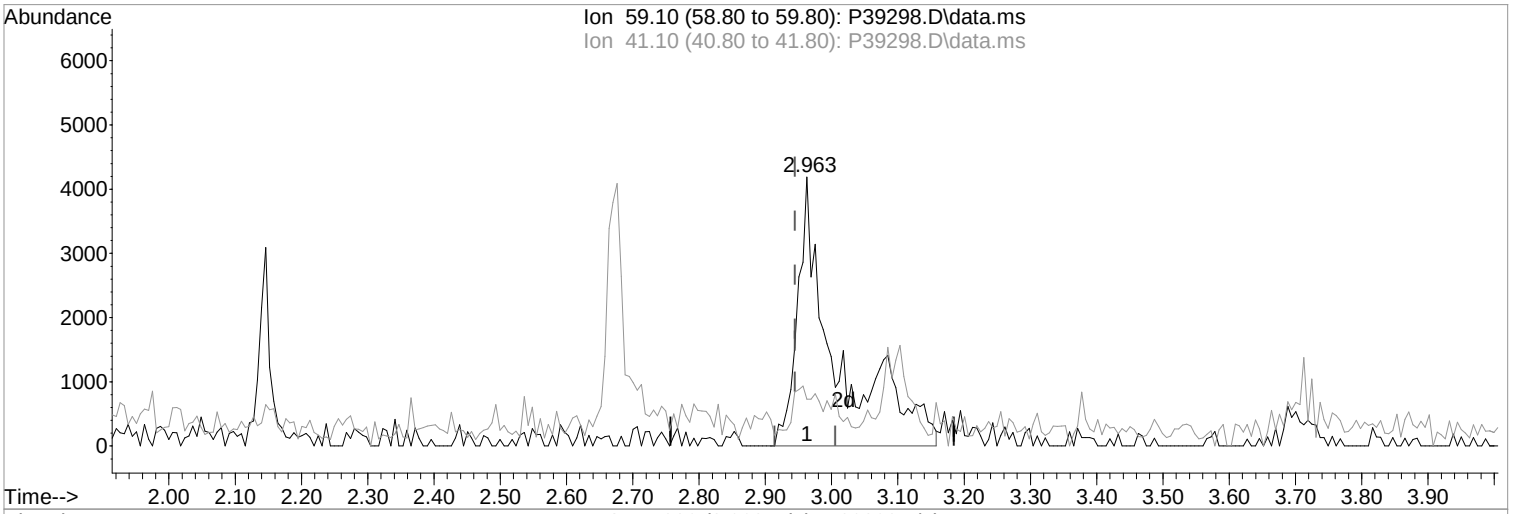
Before

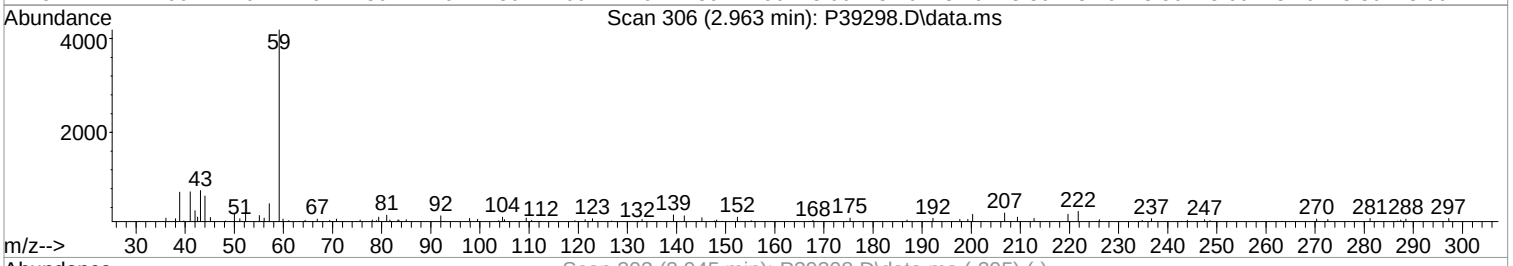
09/04/20

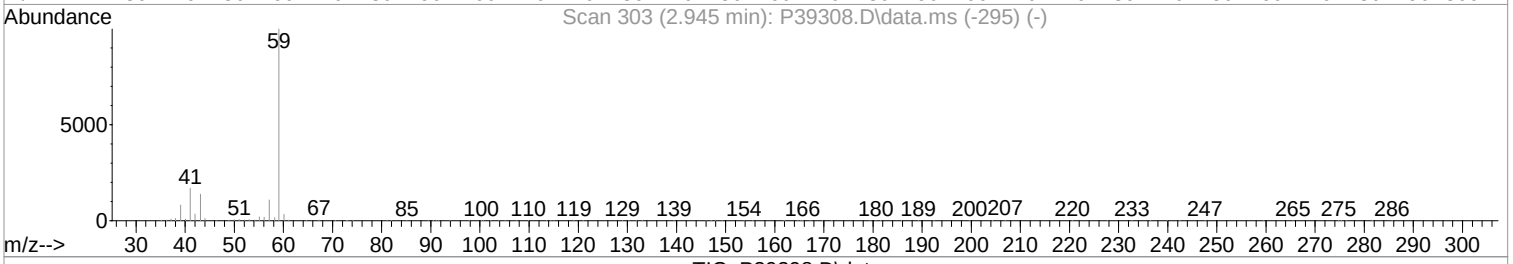
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(23) TBA

2.963min (+0.018) 23.40 ppb m

response 16943

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	17.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

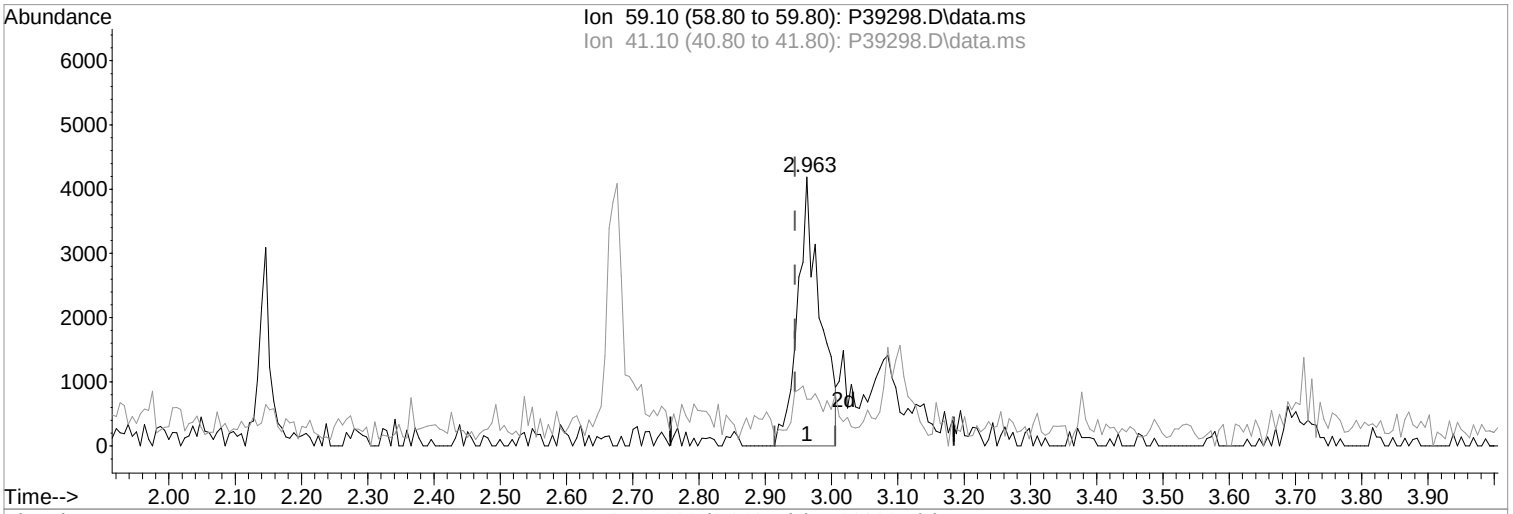
09/04/20

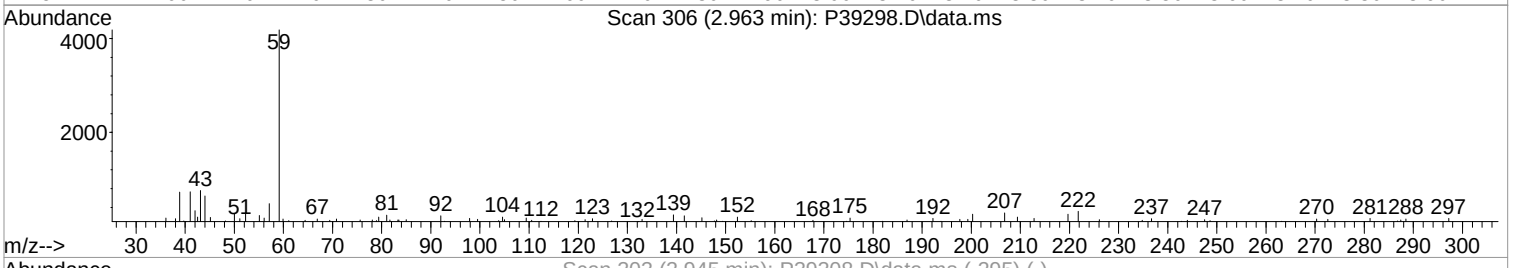
1st 09/05/20
2nd 09/05/20

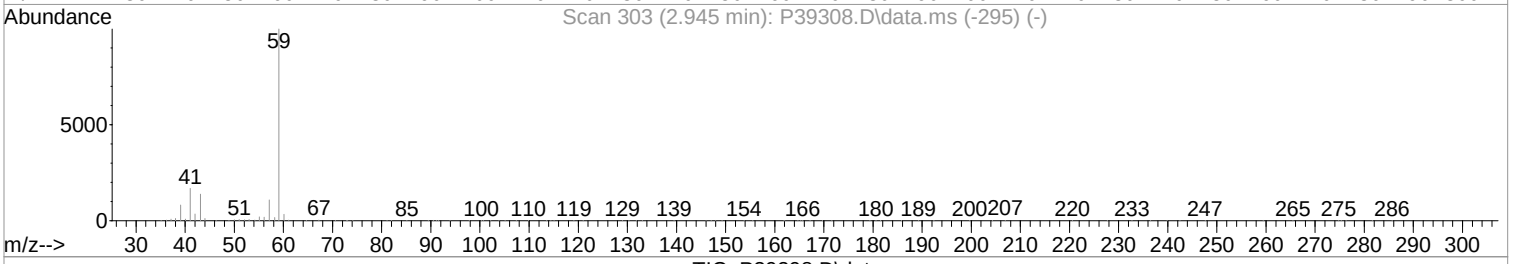
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(23) TBA

2.963min (+0.018) 13.53 ppb

response 9797

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	17.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

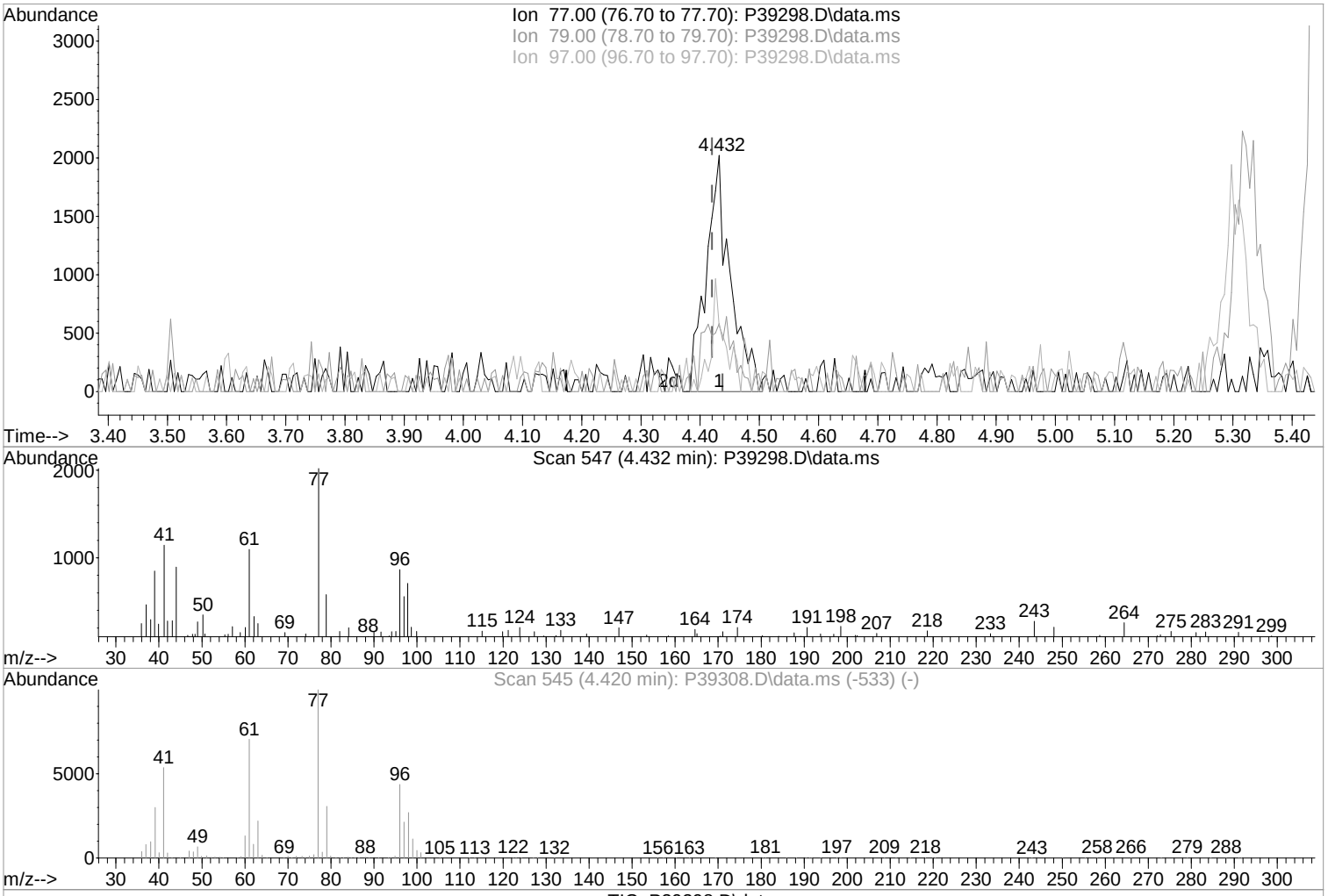
09/04/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39298.D\data.ms

(33) 2,2-Dichloropropane

4.432min (+0.012) 1.15 ppb m

response 5693

Ion	Exp%	Act%
77.00	100	100
79.00	30.60	28.70
97.00	21.30	27.61
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

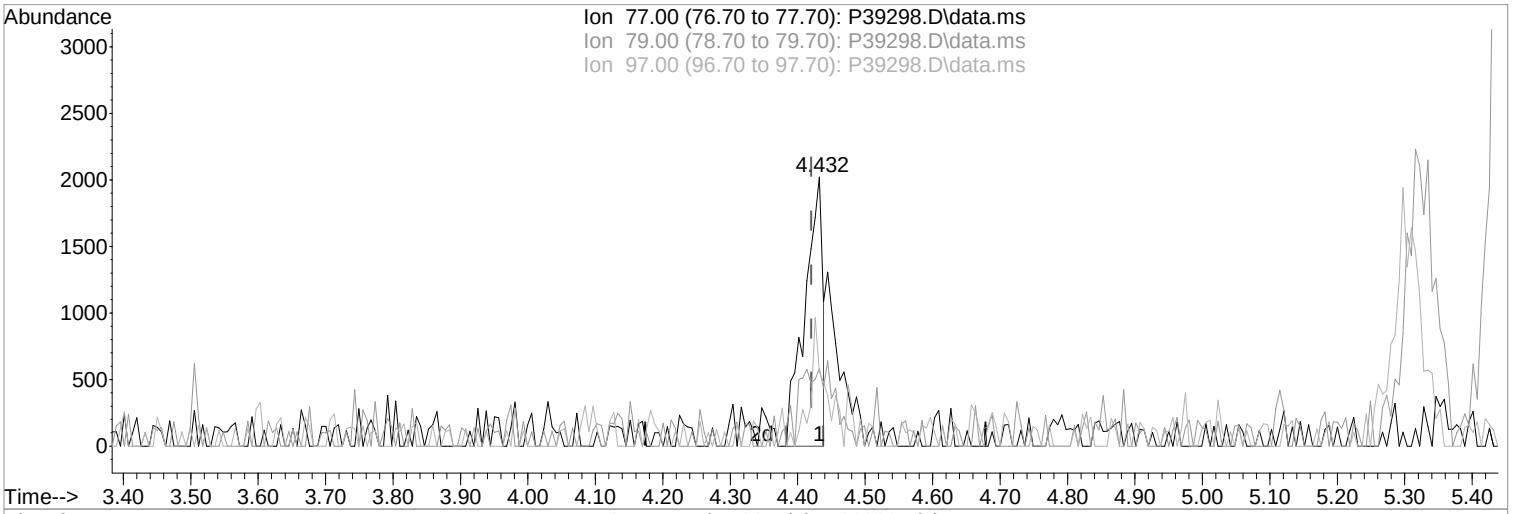
09/04/20

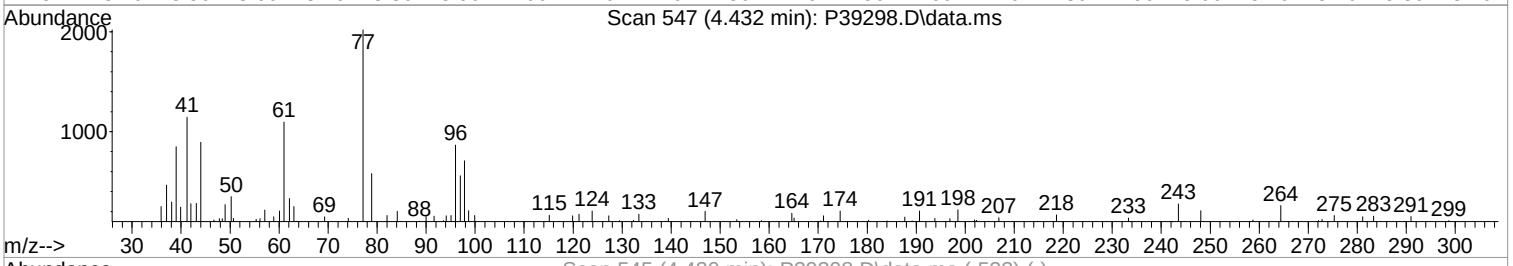
1st 09/05/20
2nd 09/05/20

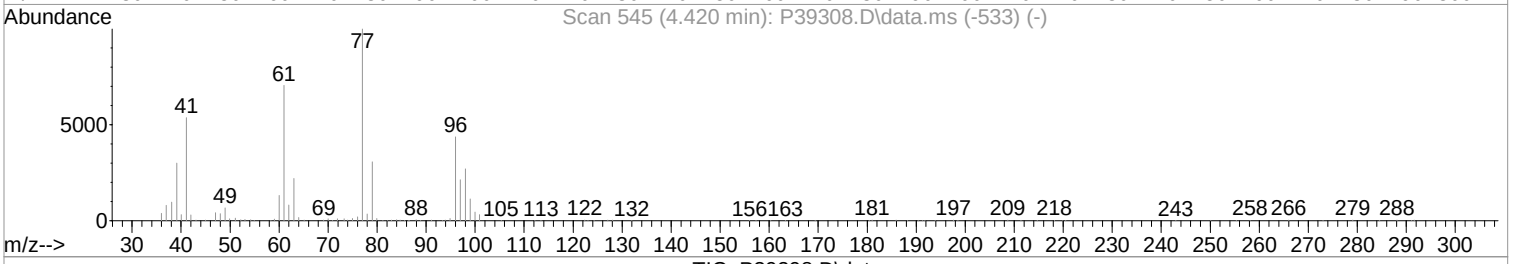
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(33) 2,2-Dichloropropane

4.432min (+0.012) 0.75 ppb

response 3683

Ion	Exp%	Act%
77.00	100	100
79.00	30.60	28.70
97.00	21.30	27.61
0.00	0.00	0.00

Manual Integration:

Before

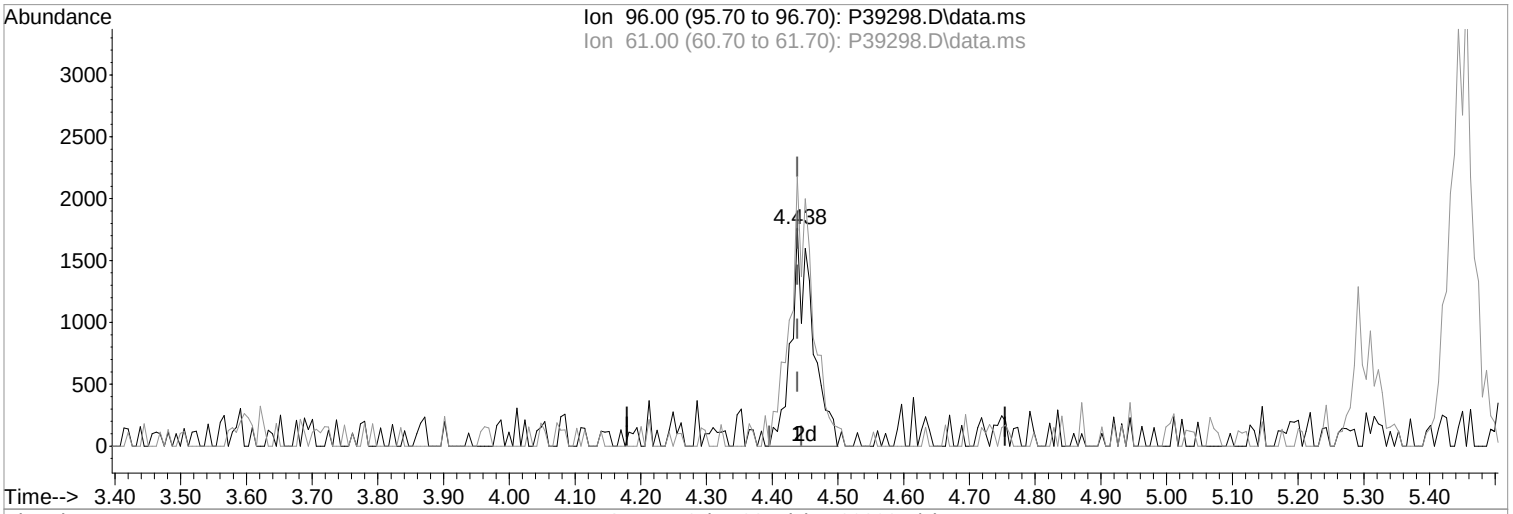
09/04/20

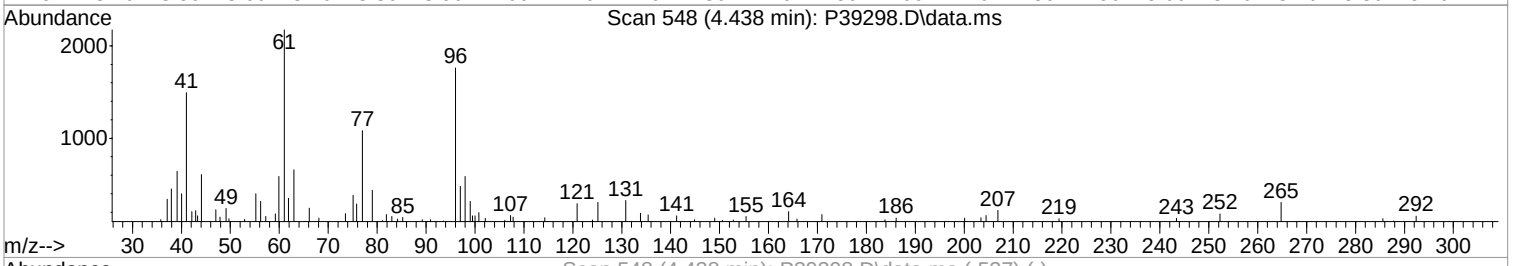
1st 09/05/20
2nd 09/05/20

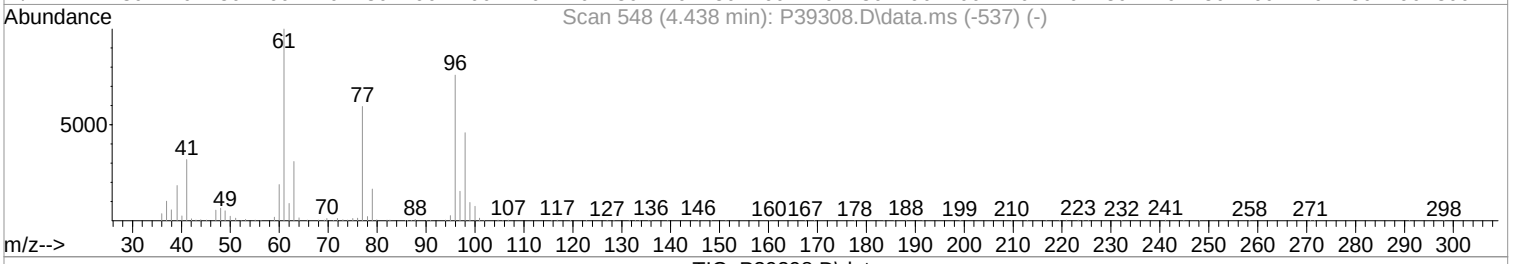
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

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

4.438min (+0.000) 1.20 ppb m

response 4003

Ion	Exp%	Act%
96.00	100	100
61.00	132.70	123.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

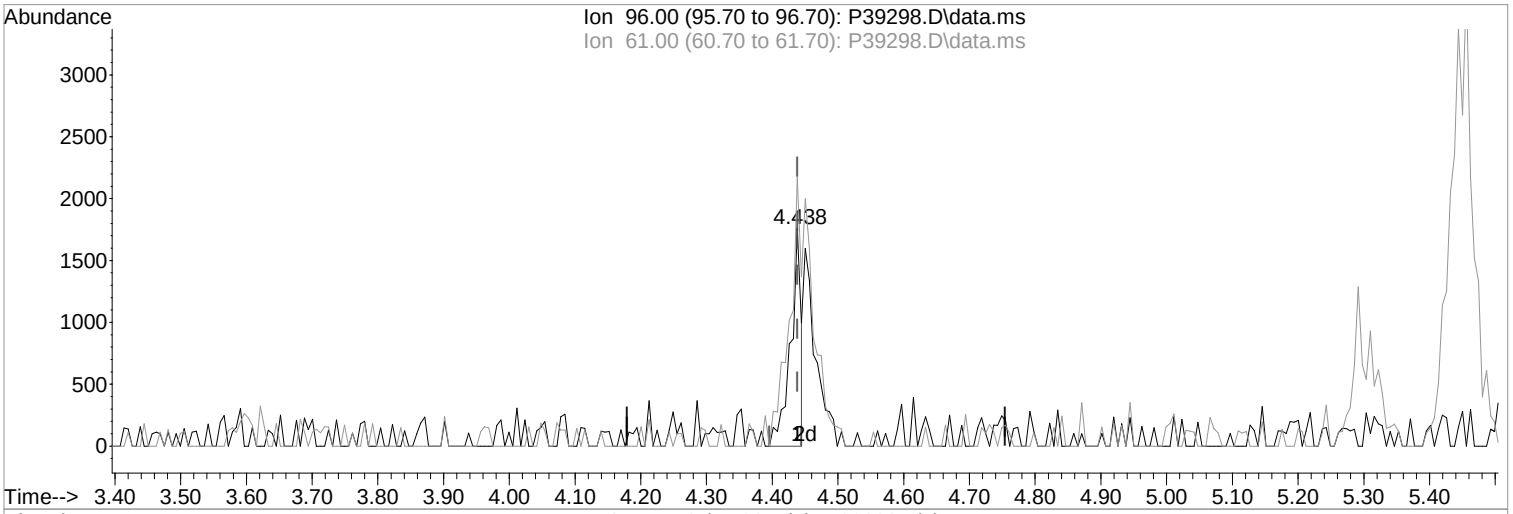
09/04/20

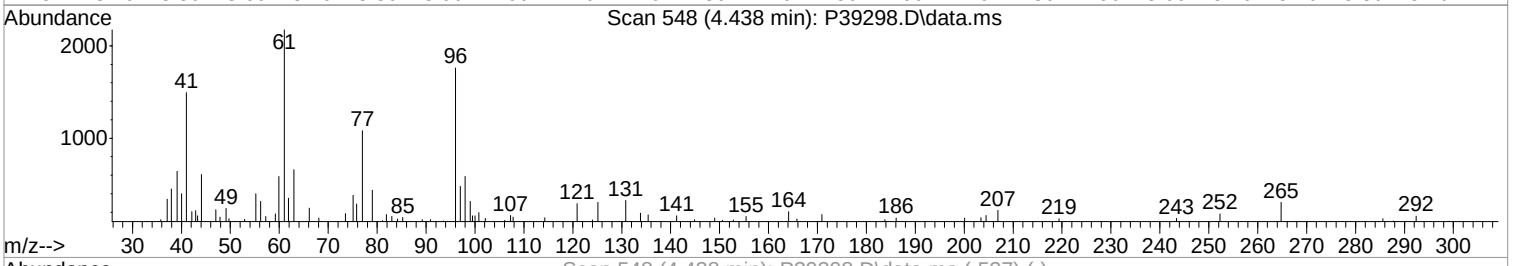
1st 09/05/20
2nd 09/05/20

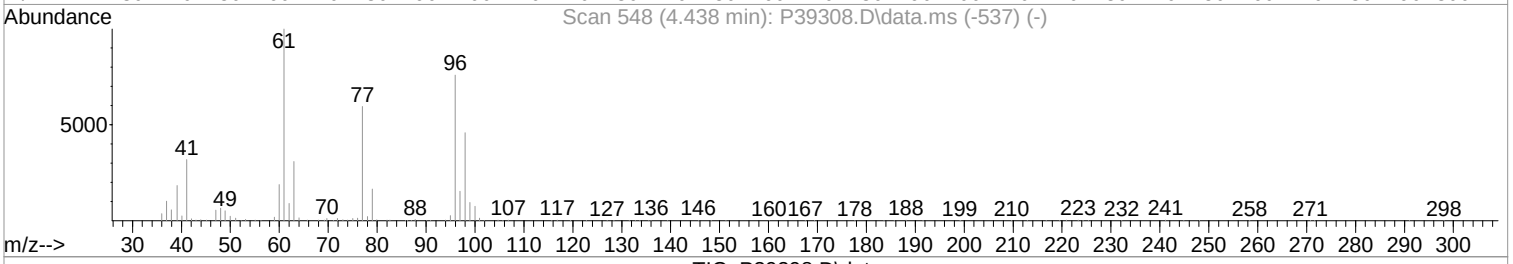
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

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

4.438min (+0.000) 0.58 ppb

response 1948

Ion	Exp%	Act%
96.00	100	100
61.00	132.70	123.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

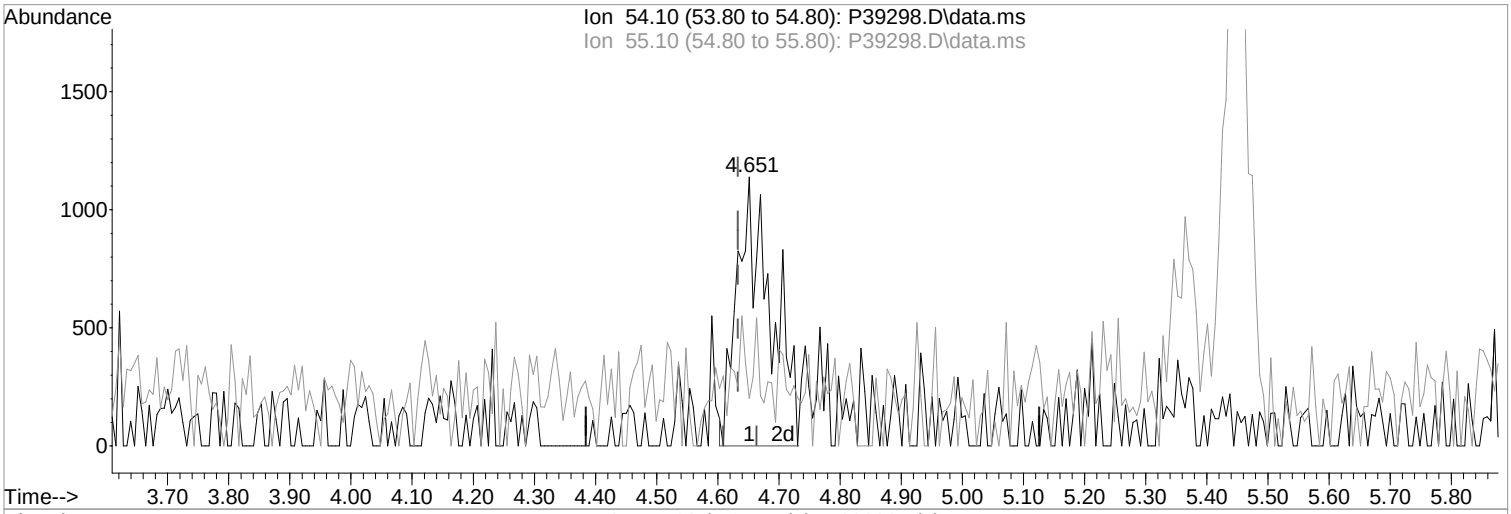
Before

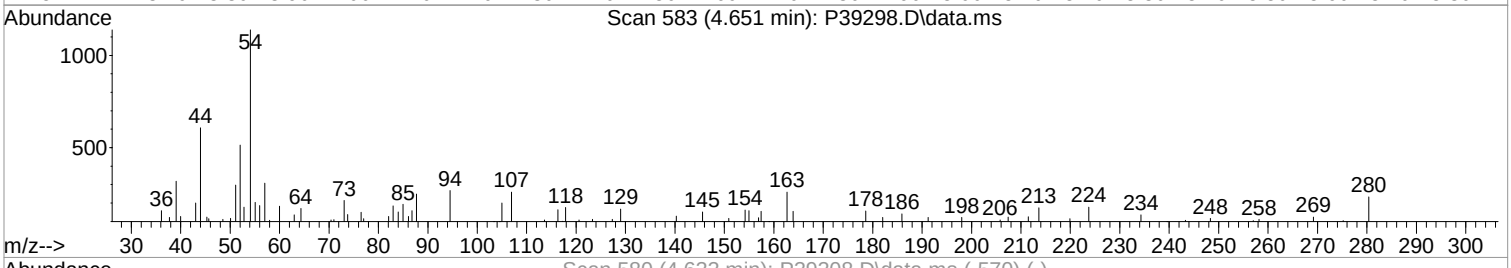
09/04/20

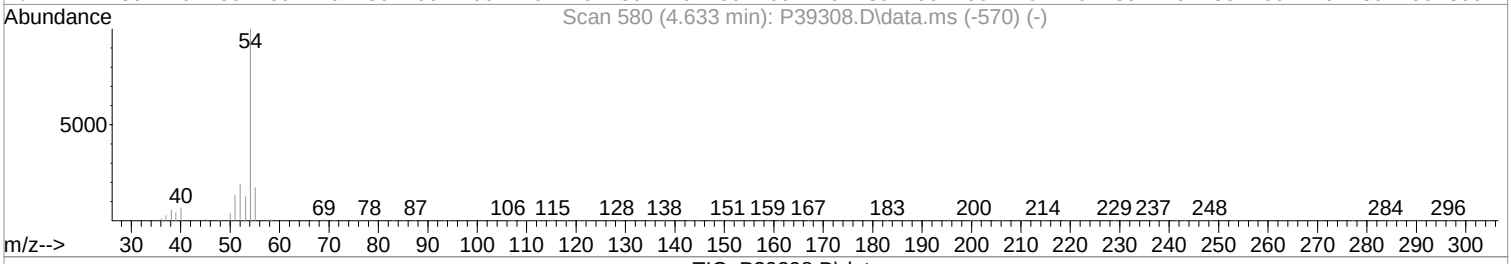
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(36) Propionitrile

4.651min (+0.018) 5.12 ppb m

response 4310

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	17.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

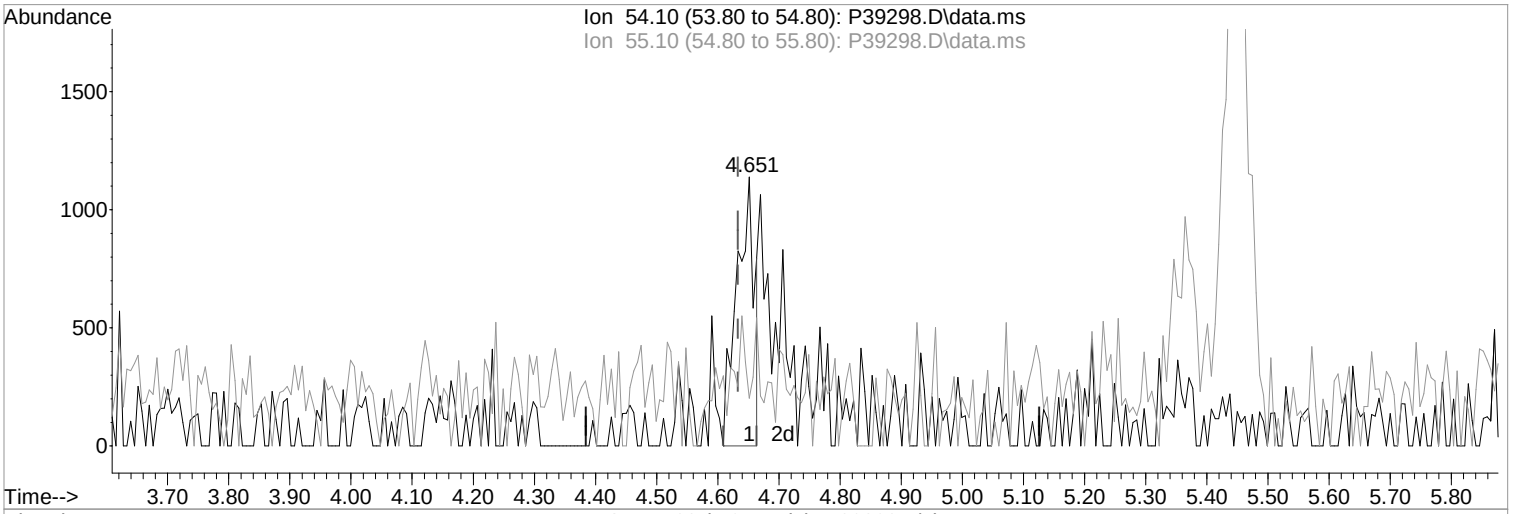
Poor integration.

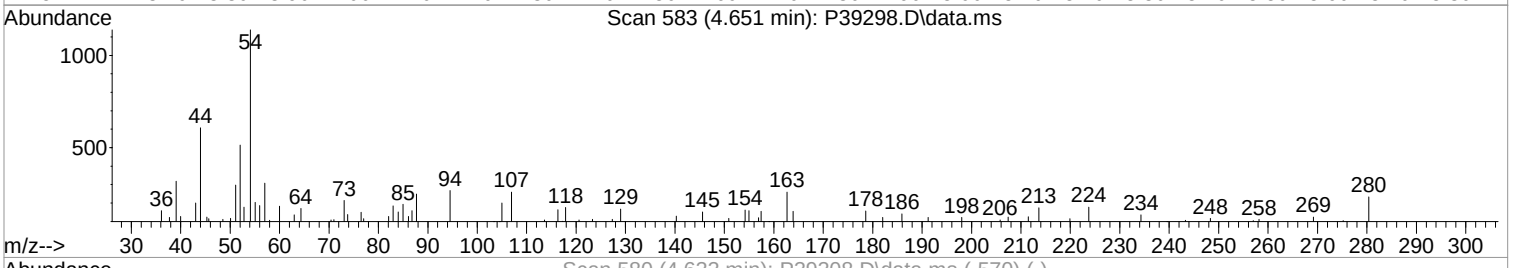
09/04/20

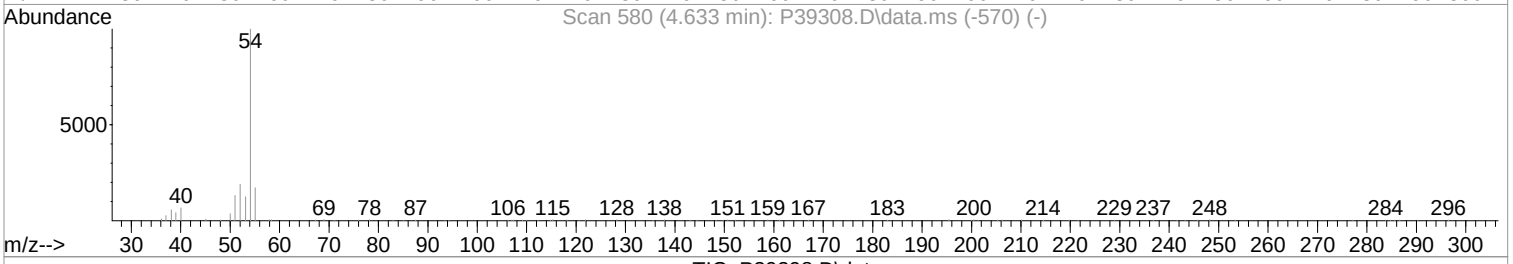
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(36) Propionitrile

4.651min (+0.018) 2.72 ppb

response 2291

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	17.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

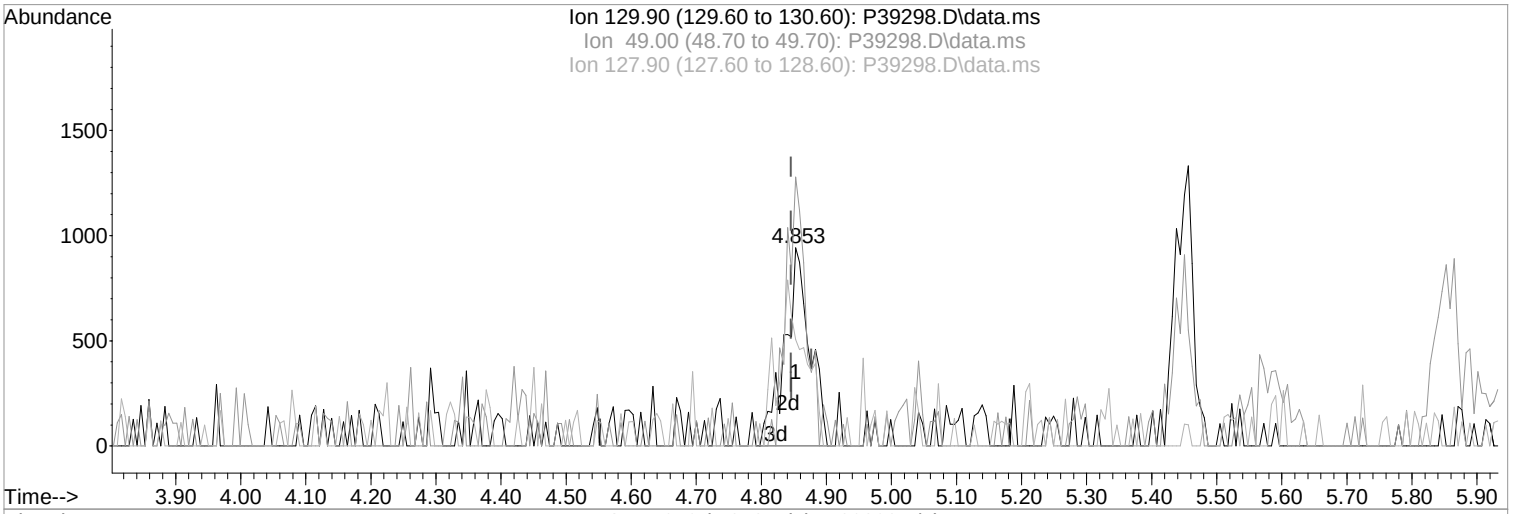
09/04/20

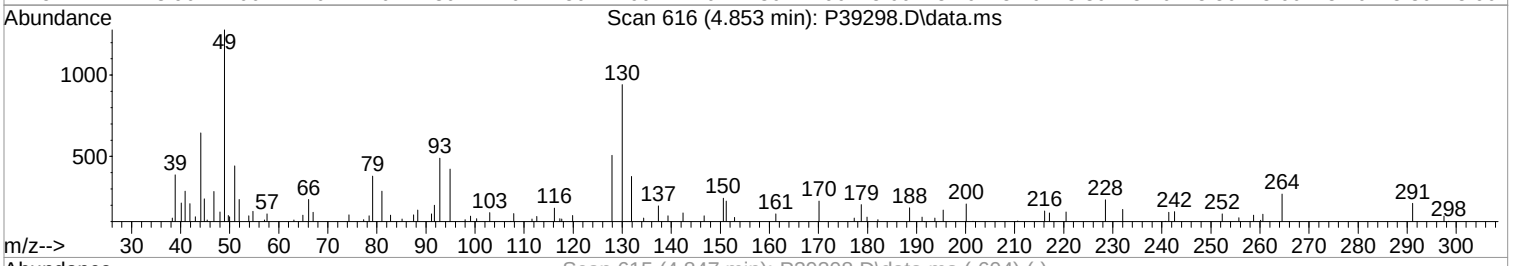
1st 09/05/20
2nd 09/05/20

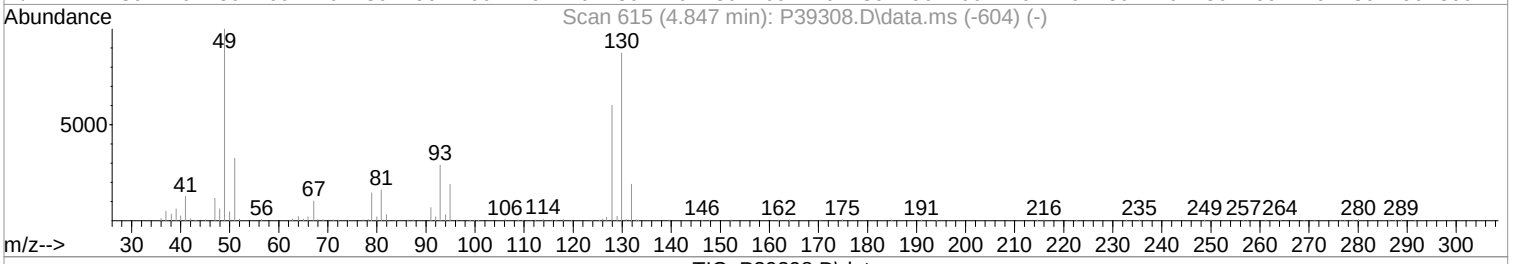
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(37) Bromochloromethane

4.853min (+0.007) 1.16 ppb m

response 2497

Ion	Exp%	Act%
129.90	100	100
49.00	114.80	135.77#
127.90	69.30	53.72
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

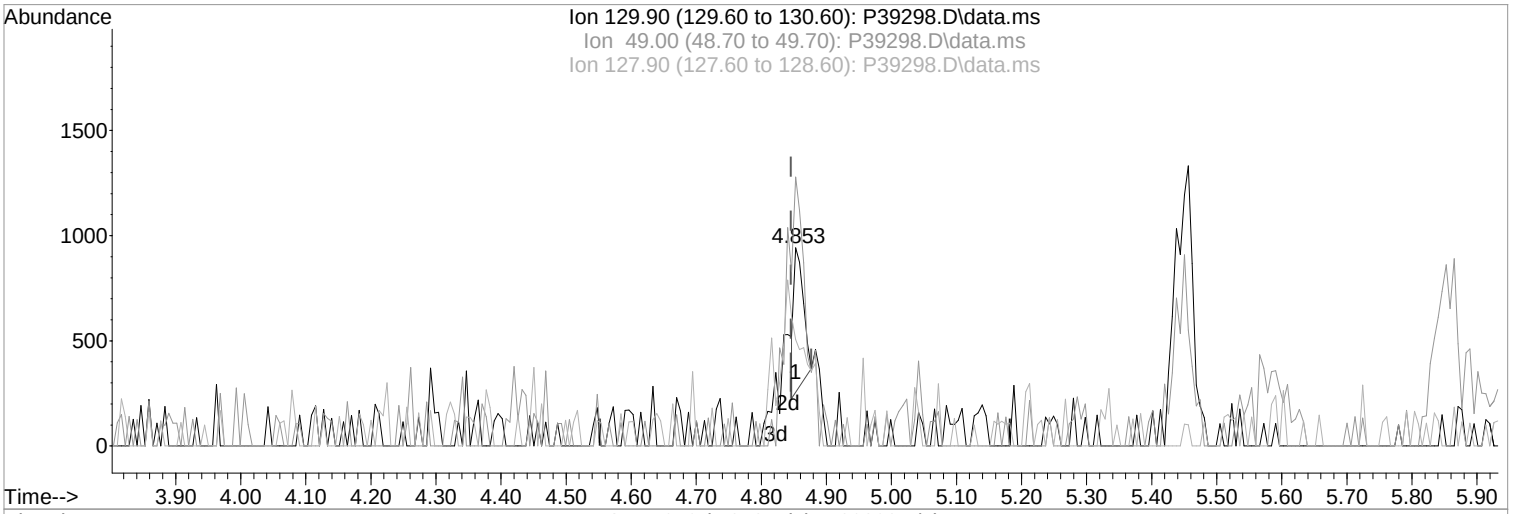
09/04/20

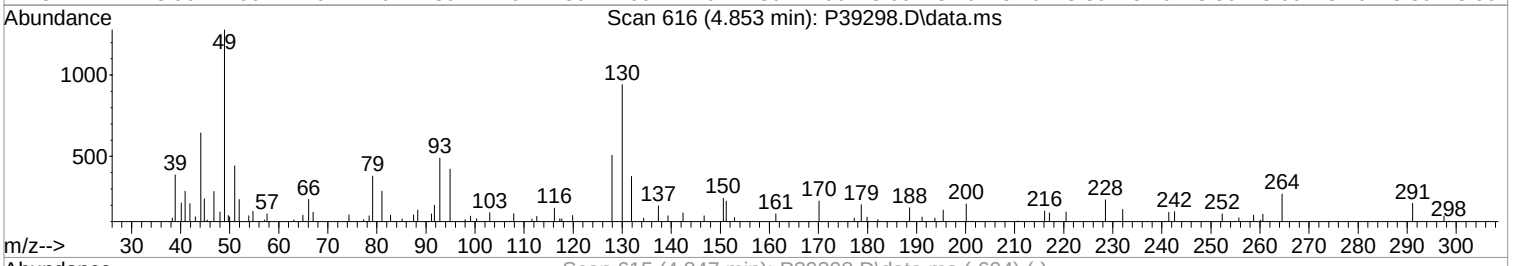
1st 09/05/20
2nd 09/05/20

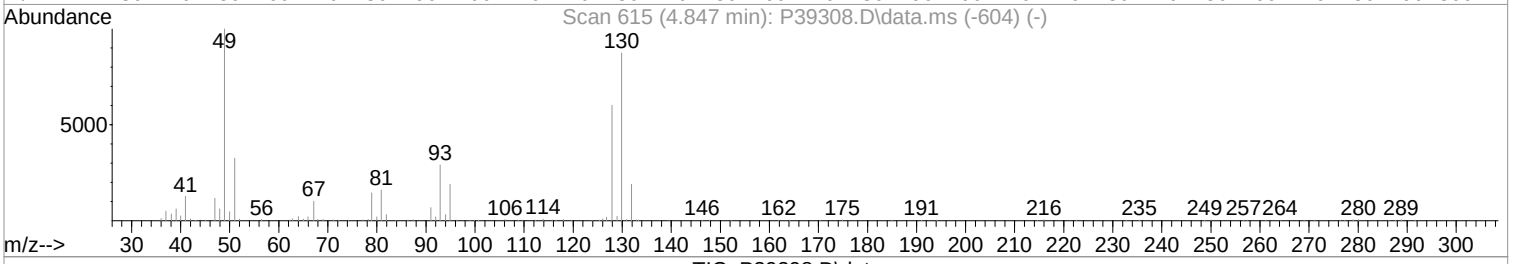
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(37) Bromochloromethane

4.853min (+0.007) 0.32 ppb

response 681

Ion	Exp%	Act%
129.90	100	100
49.00	114.80	150.32#
127.90	69.30	53.72
0.00	0.00	0.00

Manual Integration:

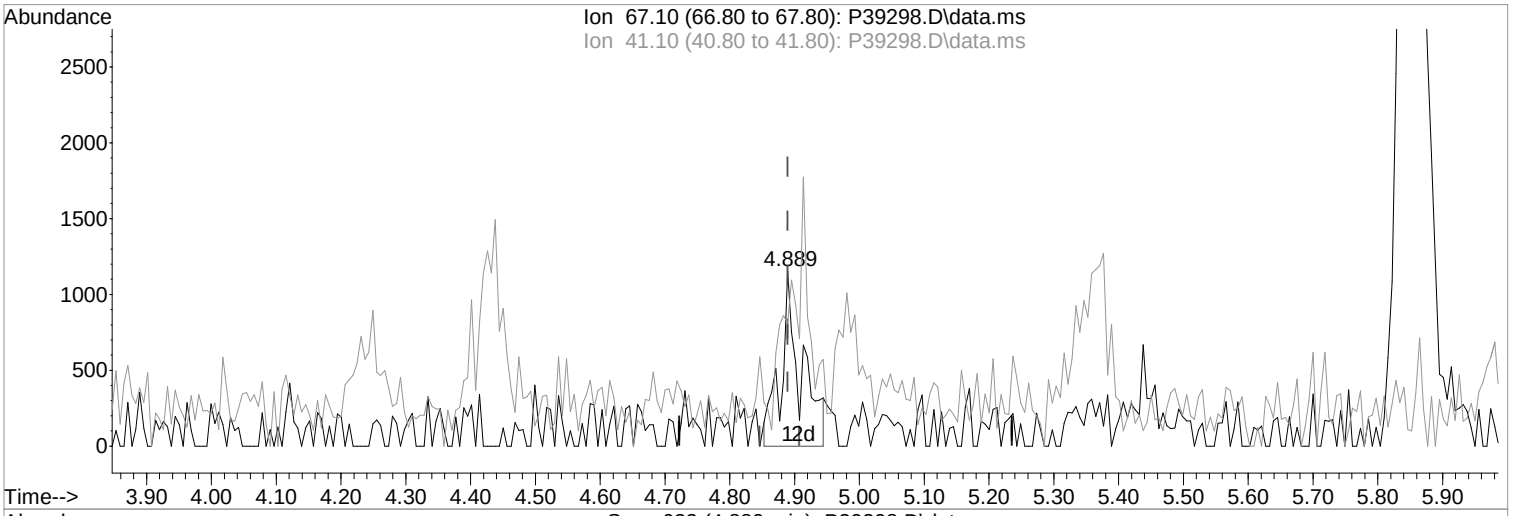
Before

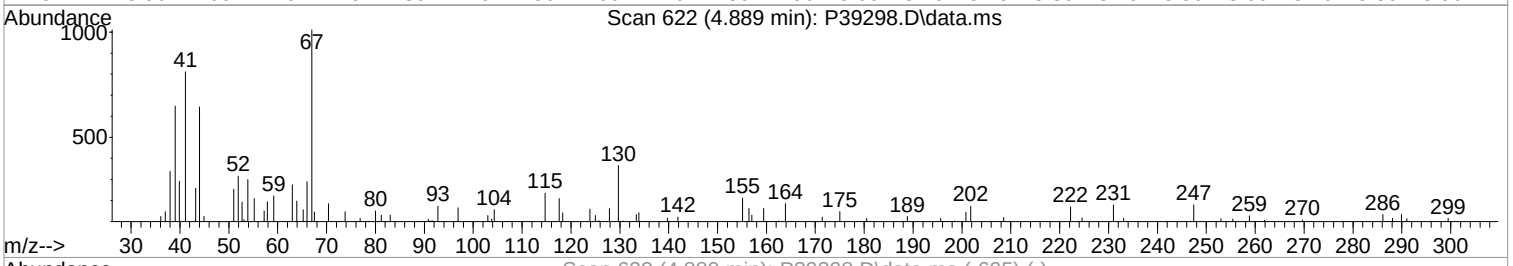
09/04/20

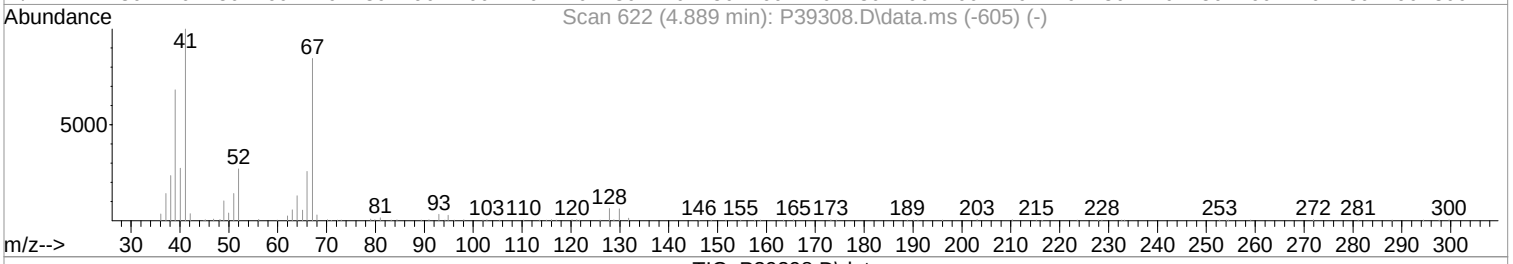
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(38) Methacrylonitrile

4.889min (-0.000) 1.26 ppb m

response 2512

Ion	Exp%	Act%
67.10	100	100
41.10	119.30	80.22#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

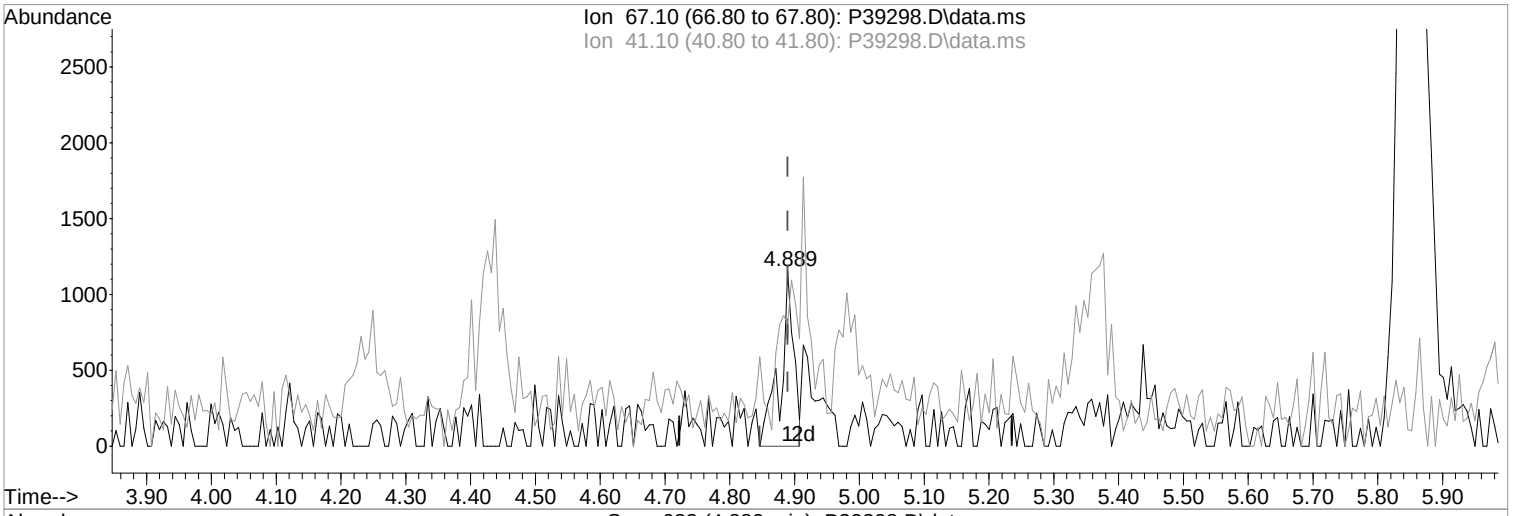
Poor integration.

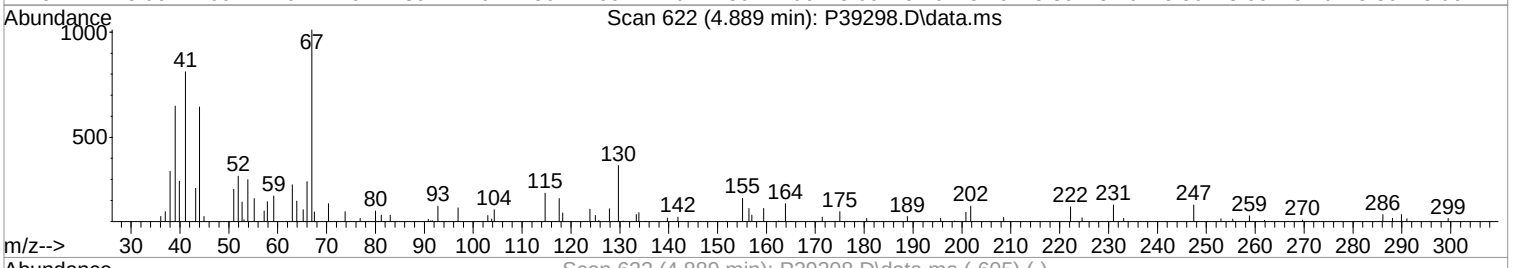
09/04/20

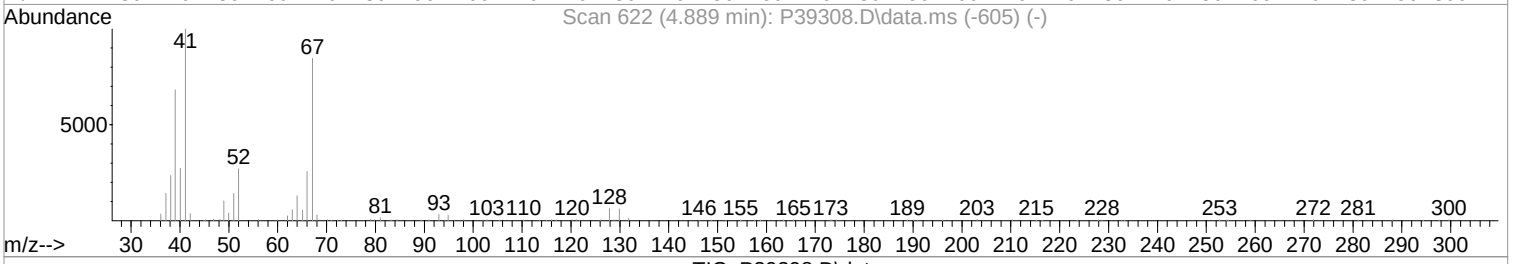
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(38) Methacrylonitrile

4.889min (-0.000) 0.83 ppb

response 1659

Ion	Exp%	Act%
67.10	100	100
41.10	119.30	70.16#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

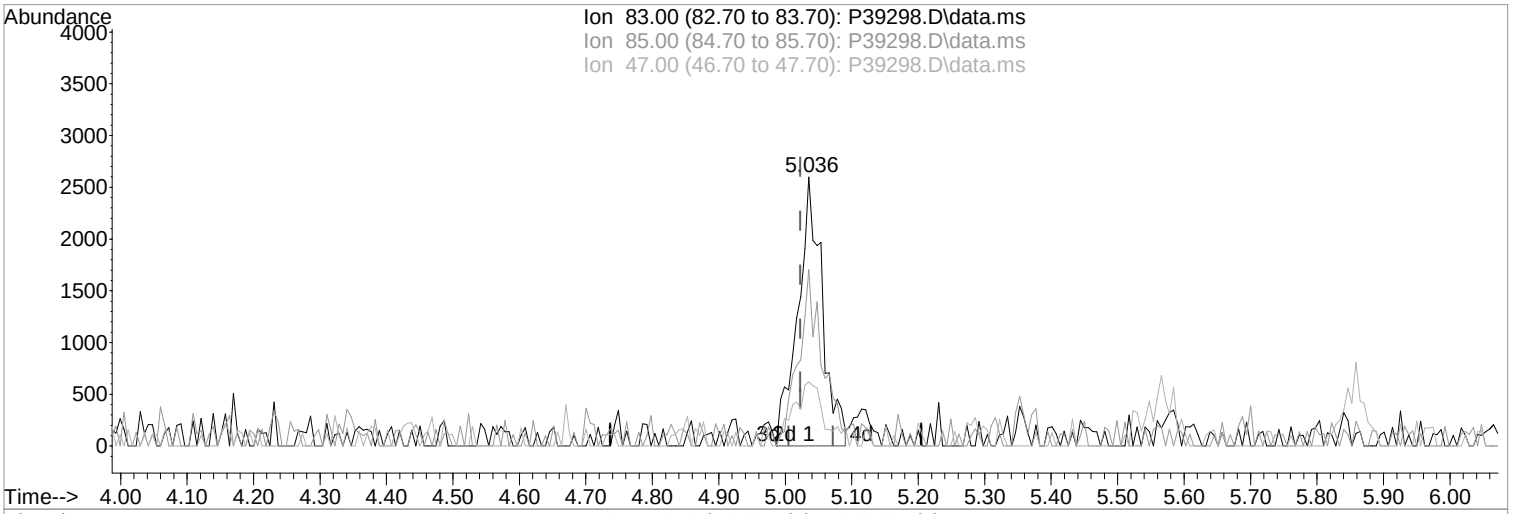
Before

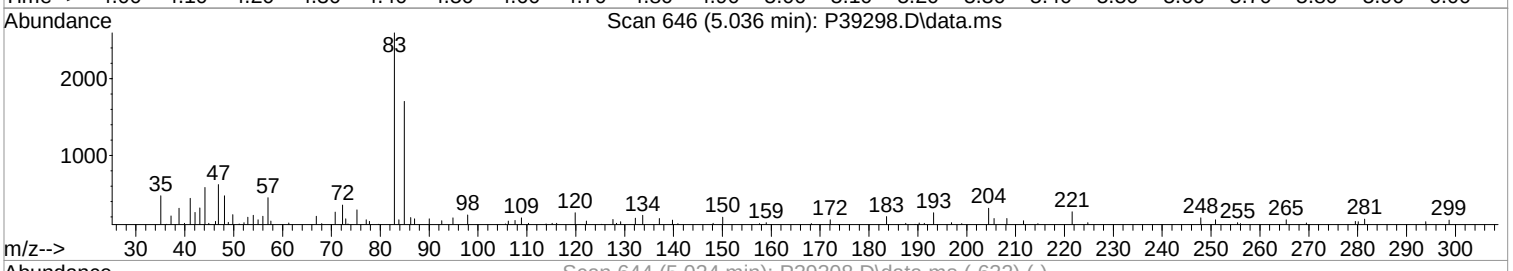
09/04/20

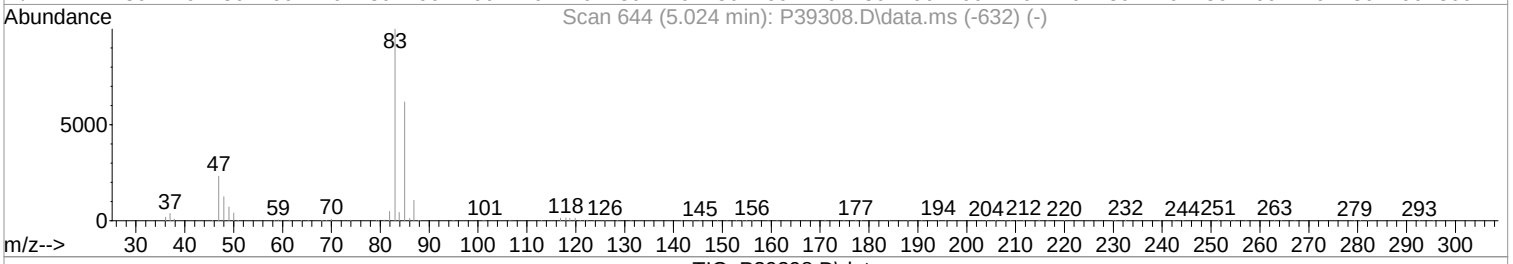
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(40) Chloroform (P)

5.036min (+0.013) 1.20 ppb m

response 6669

Ion	Exp%	Act%
83.00	100	100
85.00	62.00	65.64
47.00	23.20	23.86
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

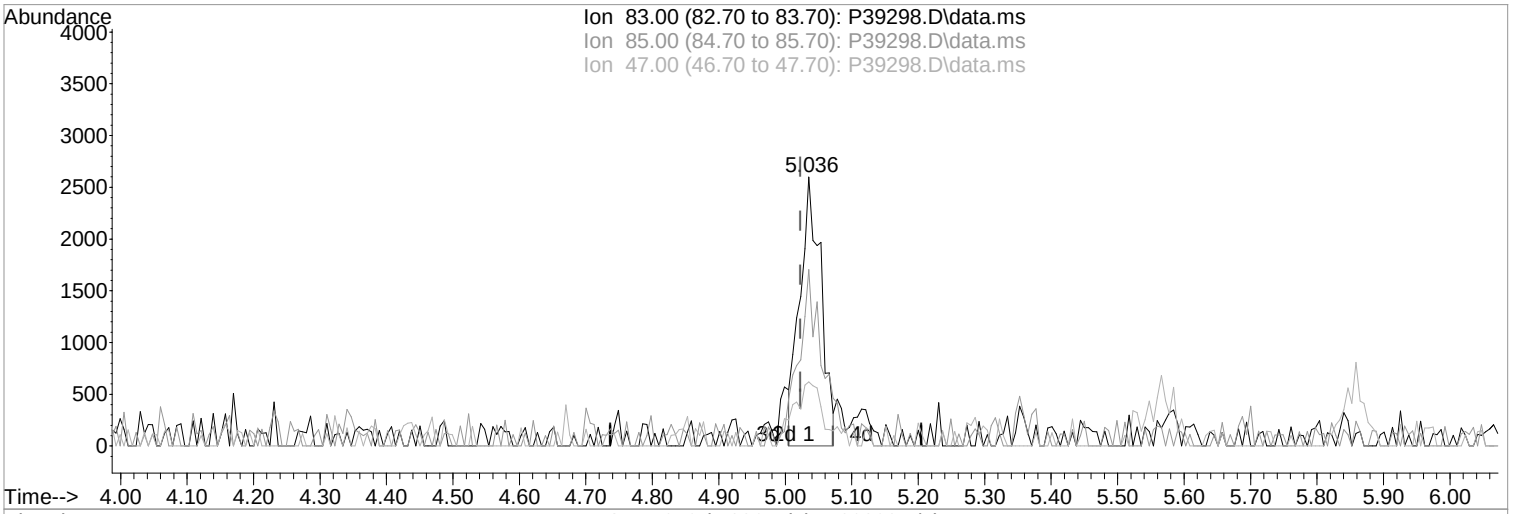
09/04/20

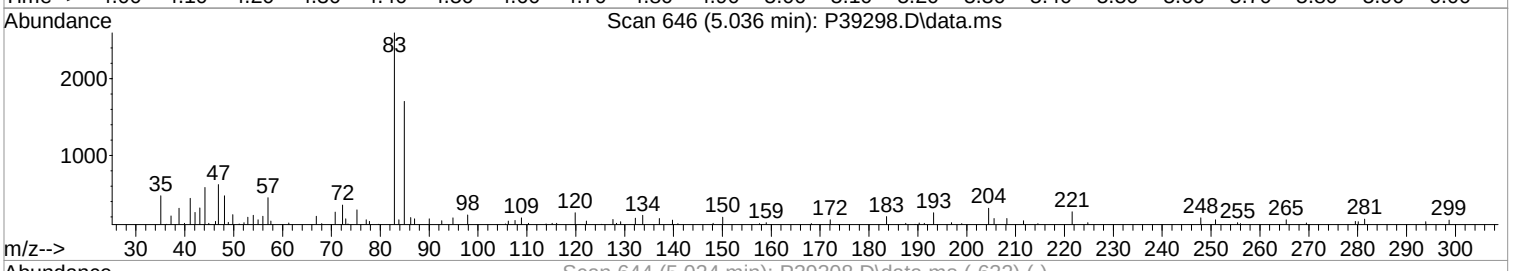
1st 09/05/20
2nd 09/05/20

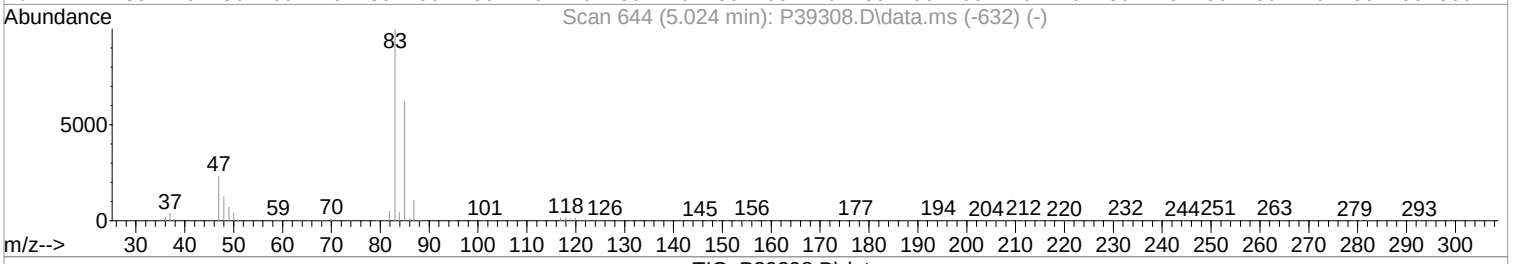
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(40) Chloroform (P)

5.036min (+0.013) 1.03 ppb

response 5740

Ion	Exp%	Act%
83.00	100	100
85.00	62.00	65.64
47.00	23.20	23.86
0.00	0.00	0.00

Manual Integration:

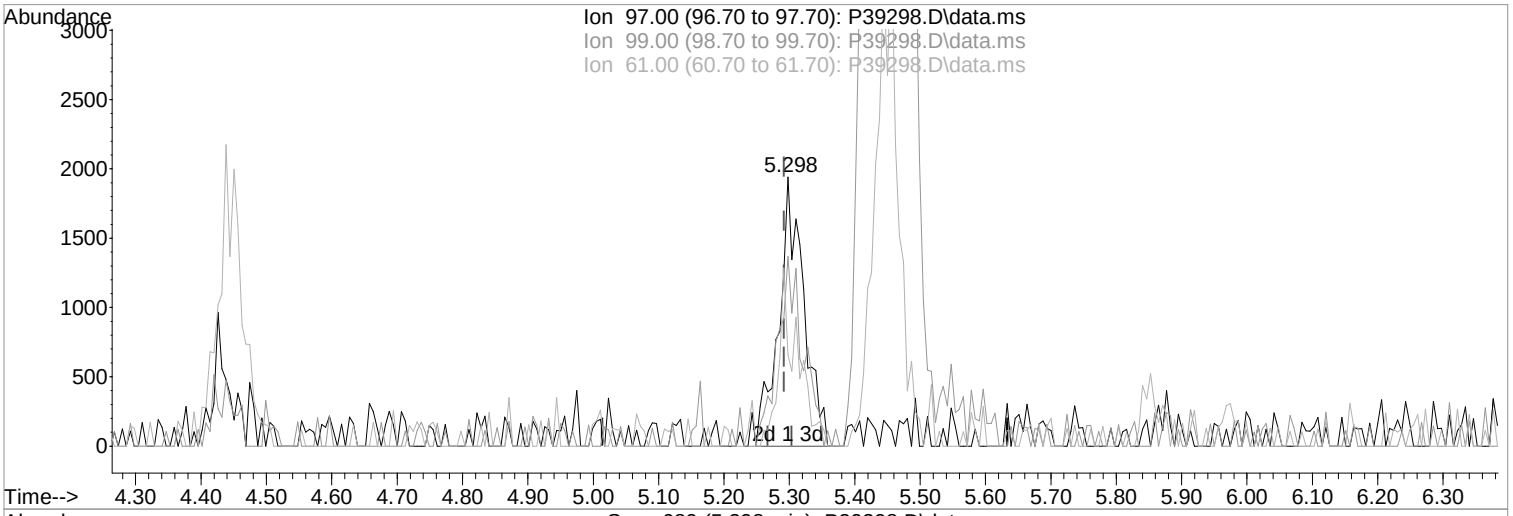
Before

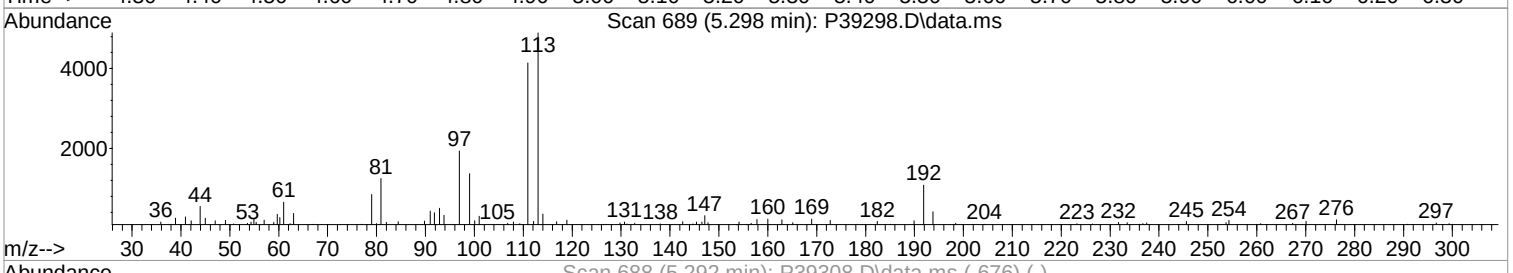
09/04/20

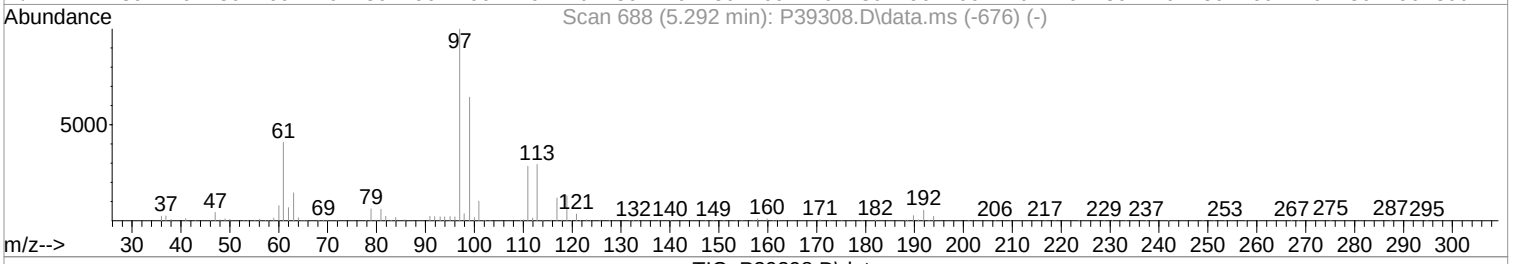
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

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

5.298min (+0.006) 1.03 ppb m

response 5151

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	70.48
61.00	41.10	33.85
0.00	0.00	0.00

Manual Integration:

After

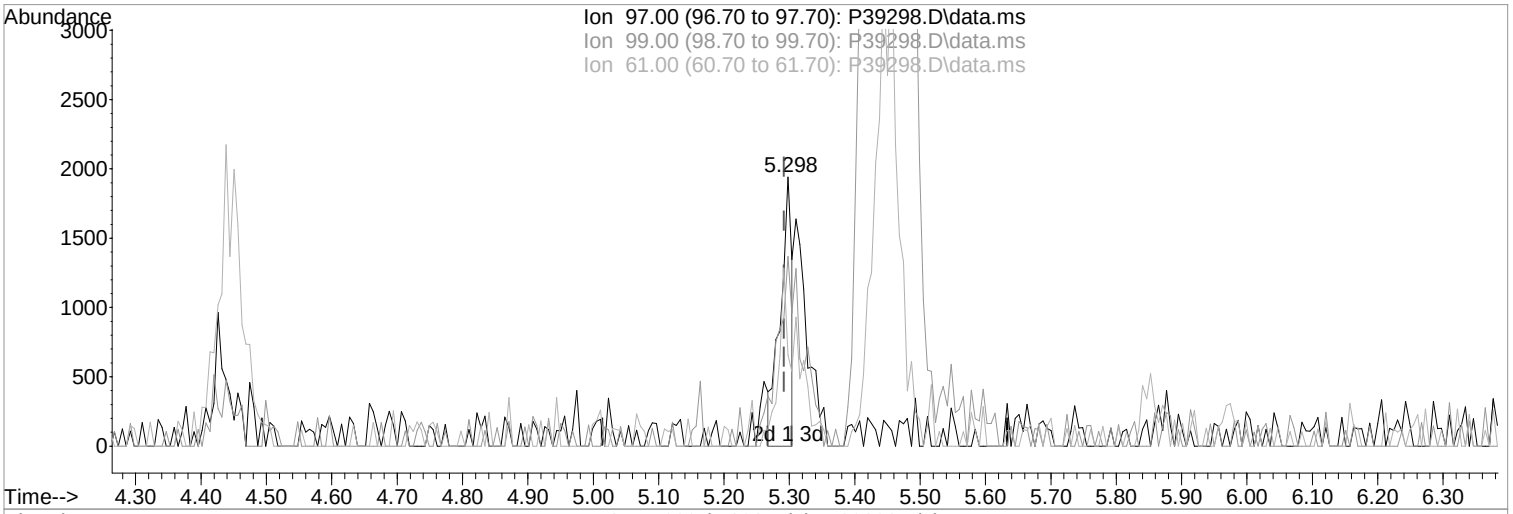
Poor integration.

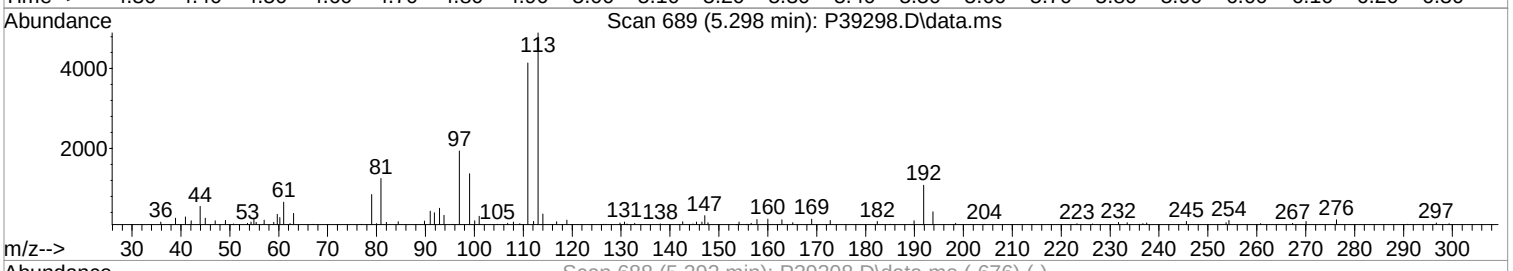
09/04/20

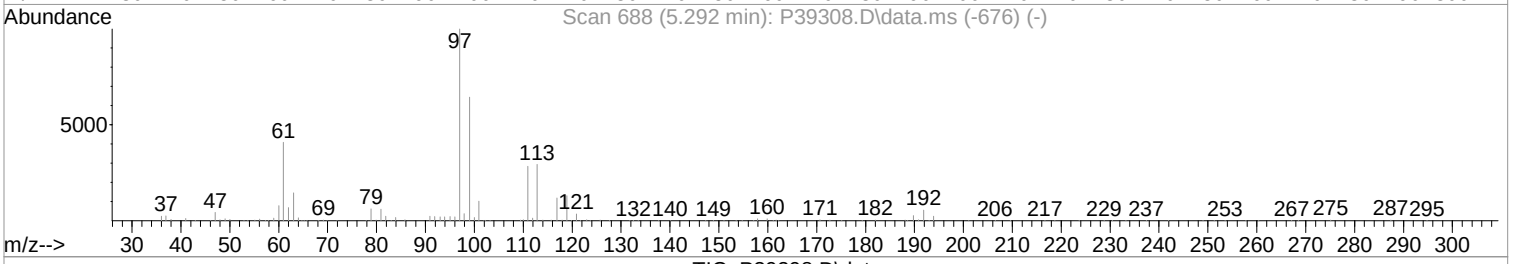
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

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

5.298min (+0.006) 0.48 ppb

response 2396

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	70.48
61.00	41.10	33.85
0.00	0.00	0.00

Manual Integration:

Before

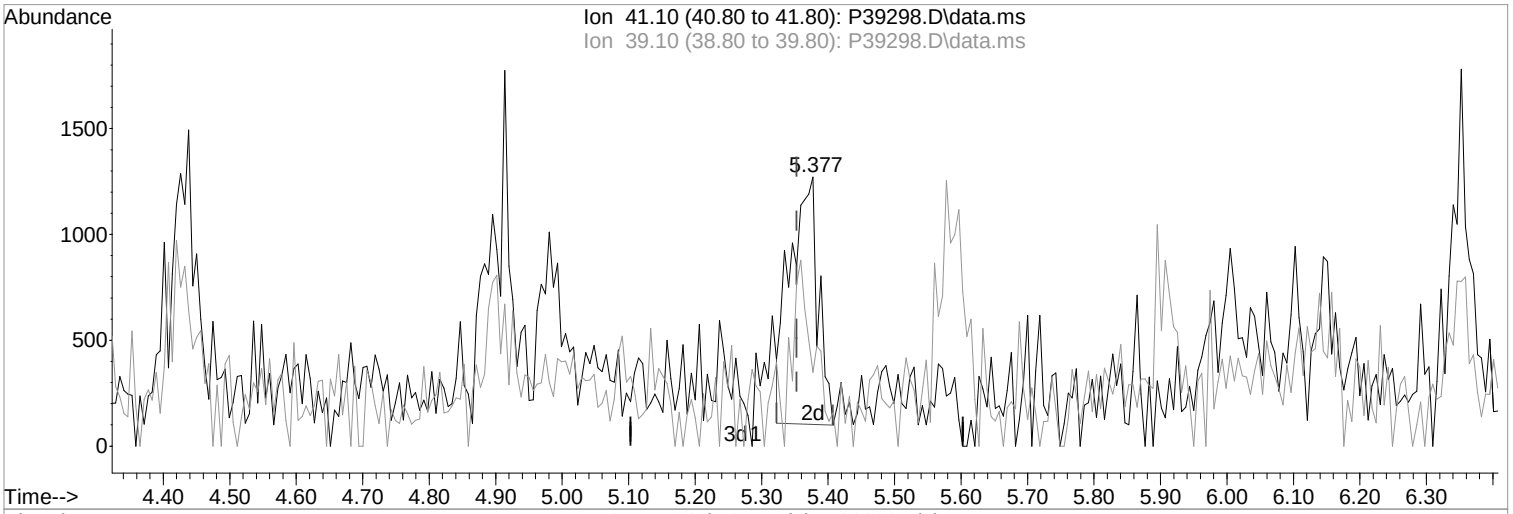
09/04/20

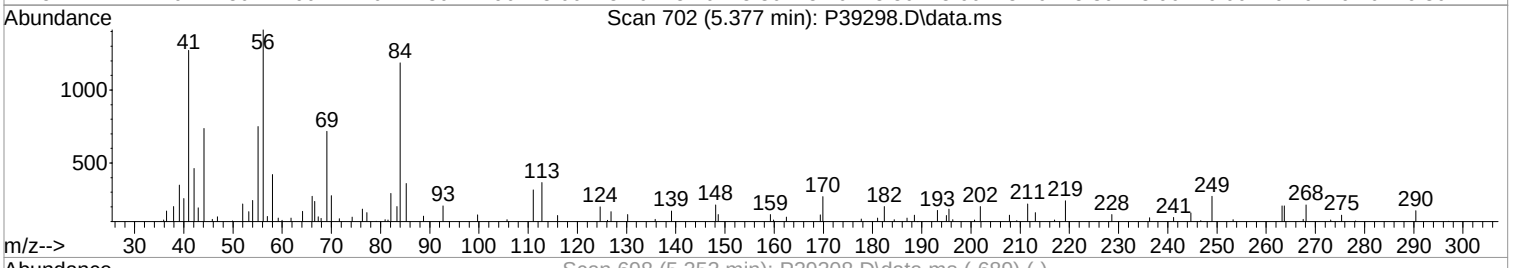
1st 09/05/20
2nd 09/05/20

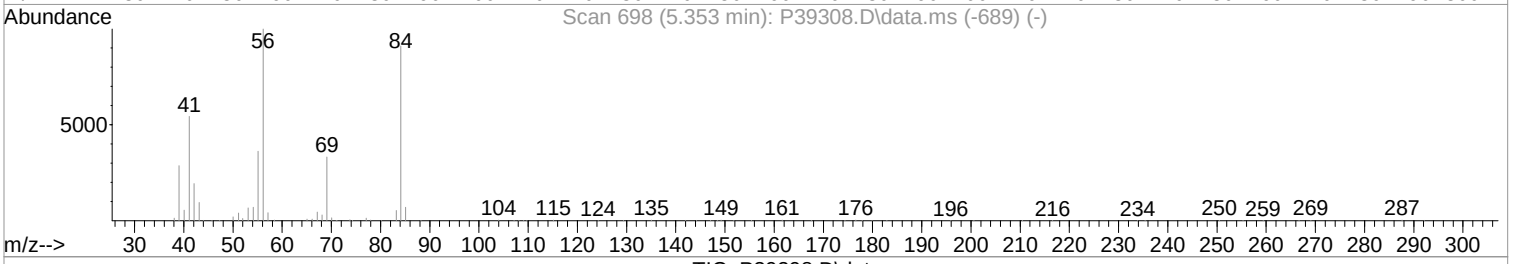
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(44) Cyclohexane (P)

5.377min (+0.024) 1.16 ppb m

response 3430

Ion	Exp%	Act%
41.10	100	100
39.10	52.90	27.46#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

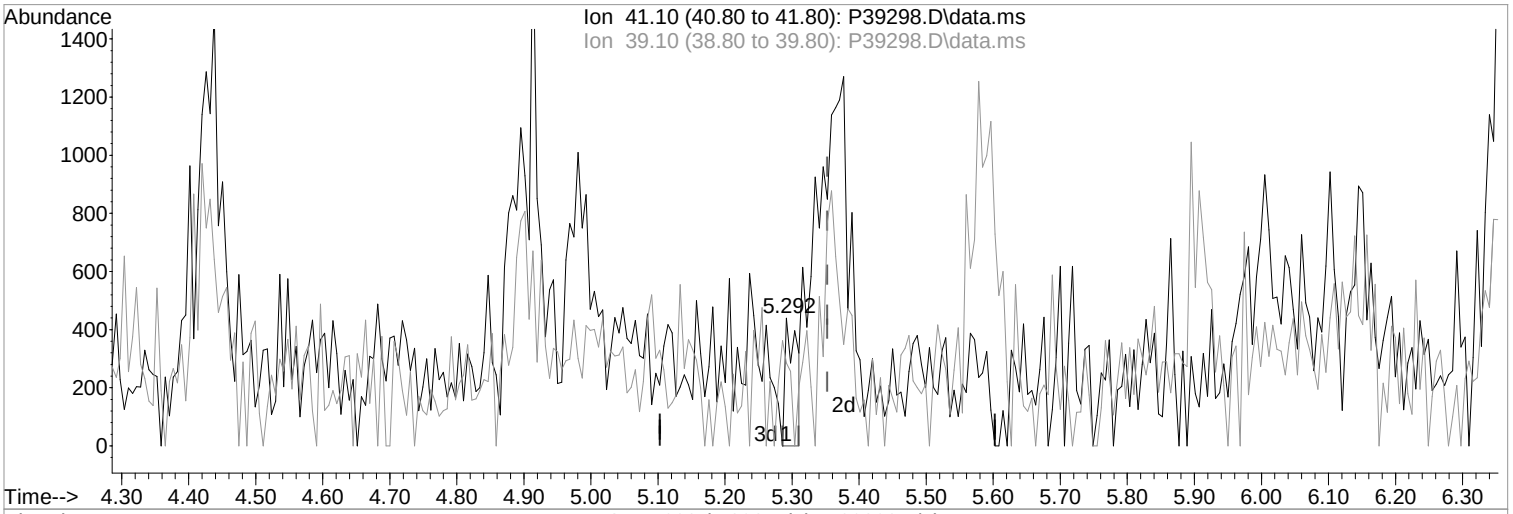
Poor integration.

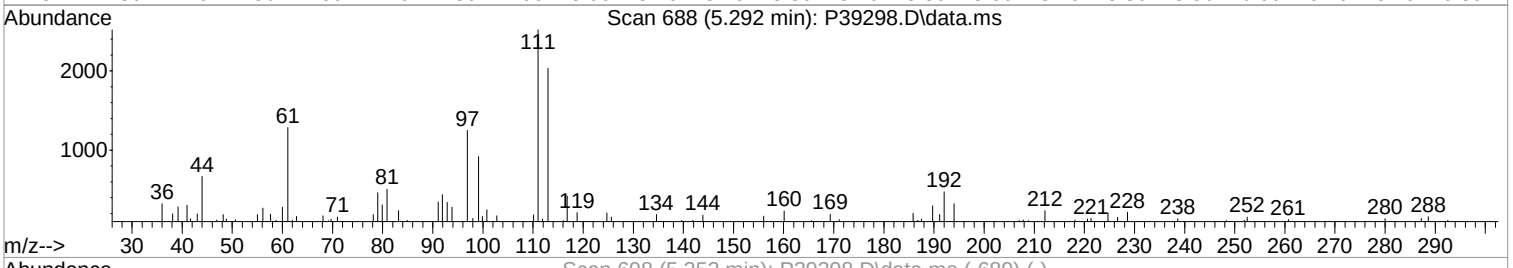
09/04/20

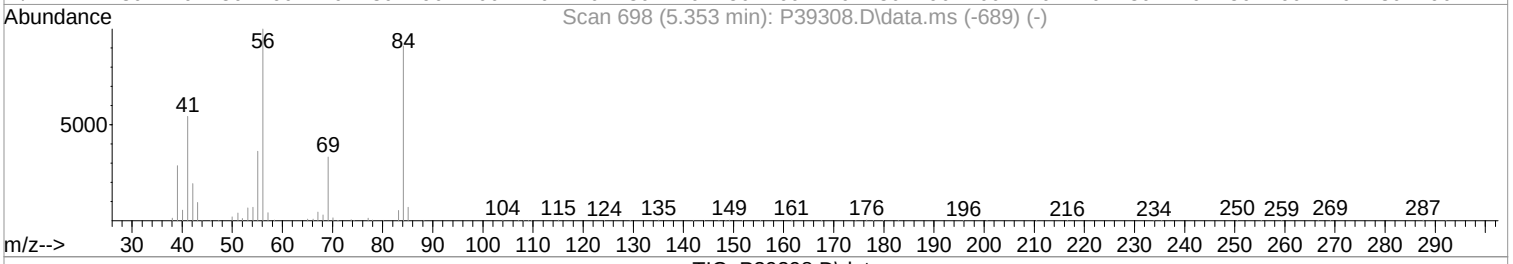
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(44) Cyclohexane (P)

5.292min (-0.061) 0.18 ppb

response 526

Ion	Exp%	Act%
41.10	100	100
39.10	52.90	64.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

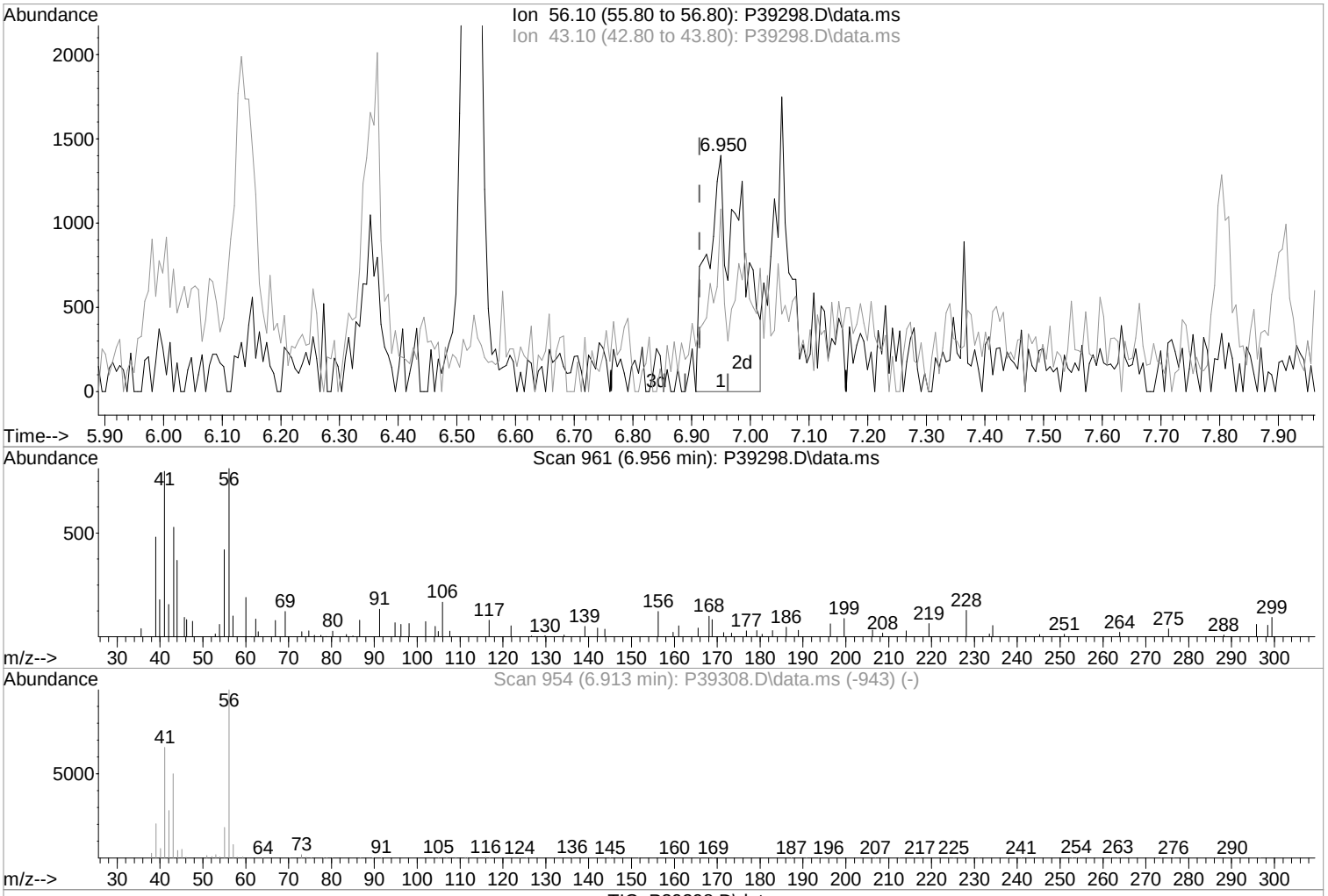
Before

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39298.D\data.ms

(53) 1-Butanol

6.950min (+0.036) 38.26 ppb m

response 5637

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	22.74#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

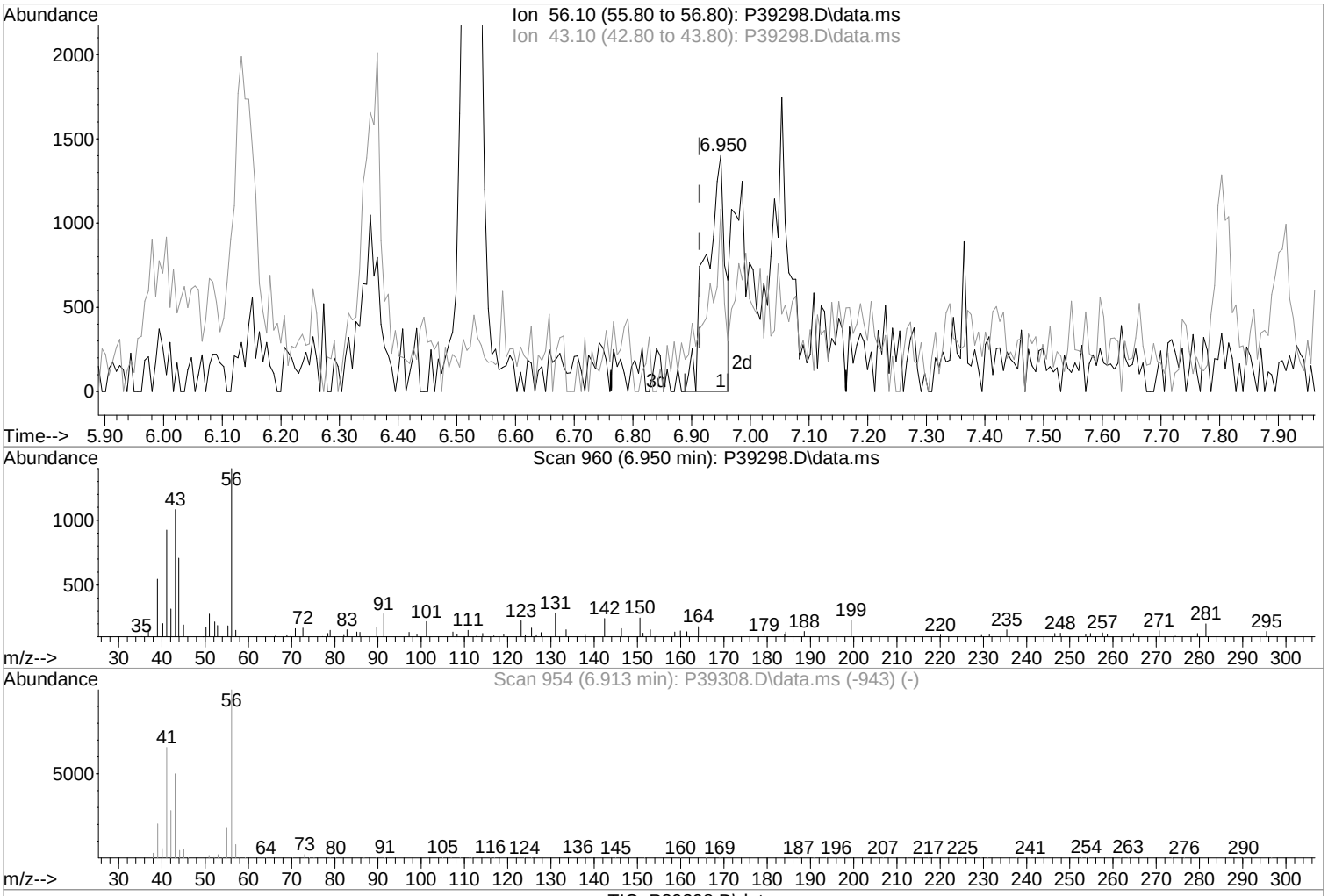
Poor integration.

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39298.D\data.ms

(53) 1-Butanol

6.950min (+0.036) 20.85 ppb

response 3072

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	41.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

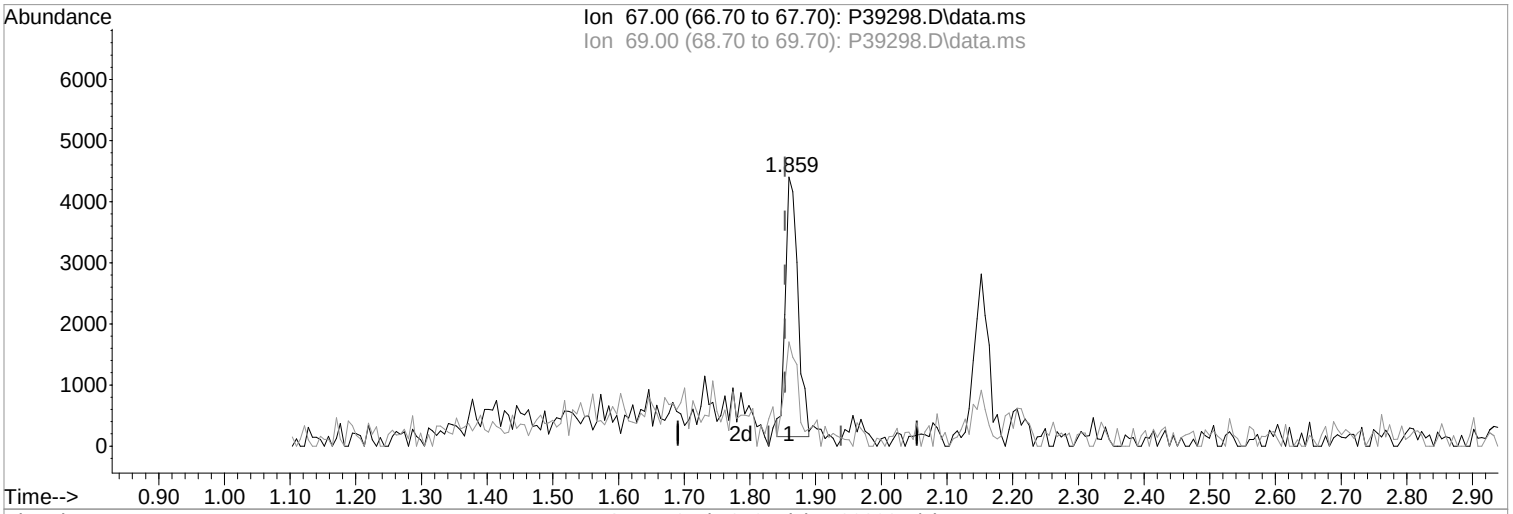
09/04/20

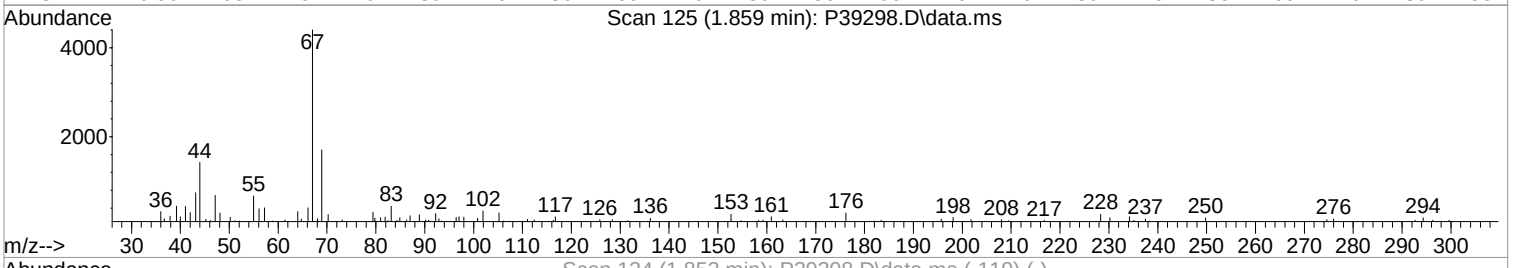
1st 09/05/20
2nd 09/05/20

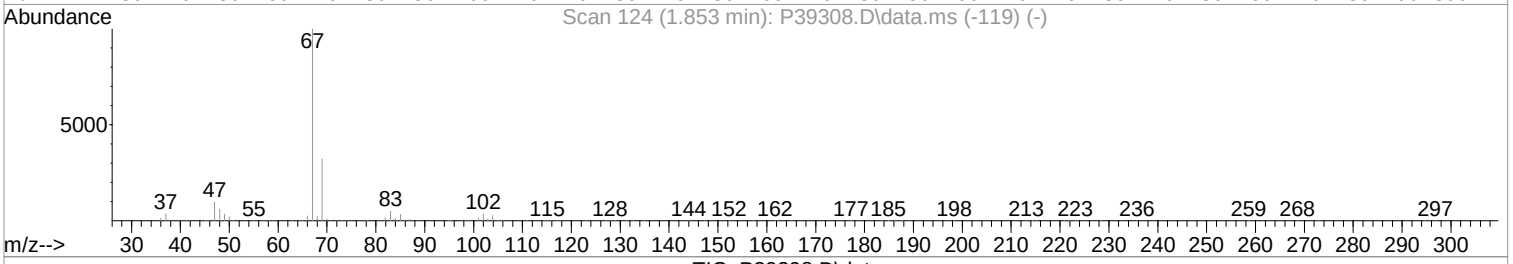
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(7) Freon 21

1.859min (+0.006) 0.92 ppb m

response 5616

Ion	Exp%	Act%
67.00	100	100
69.00	32.20	38.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

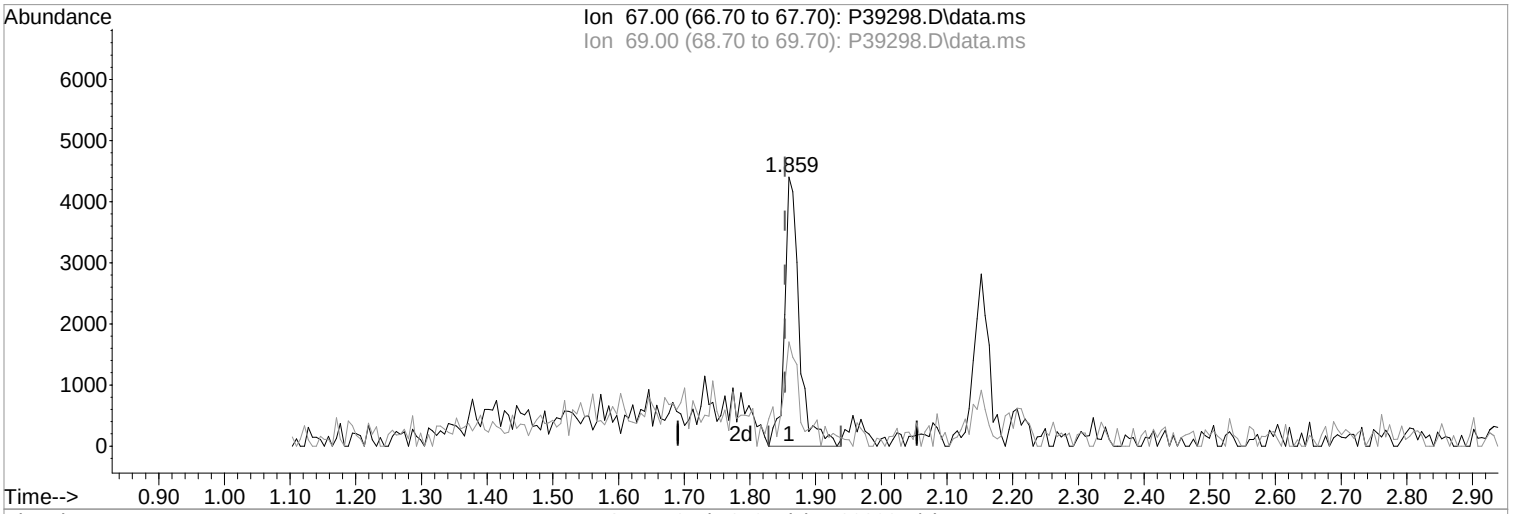
09/04/20

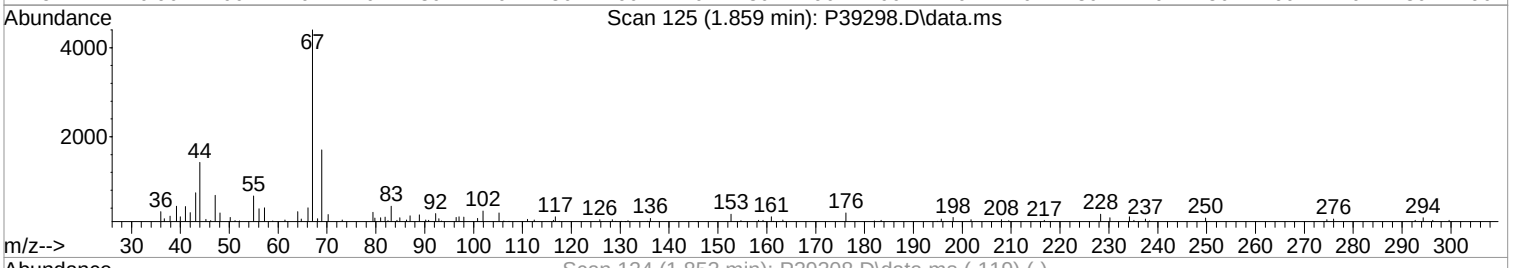
1st 09/05/20
2nd 09/05/20

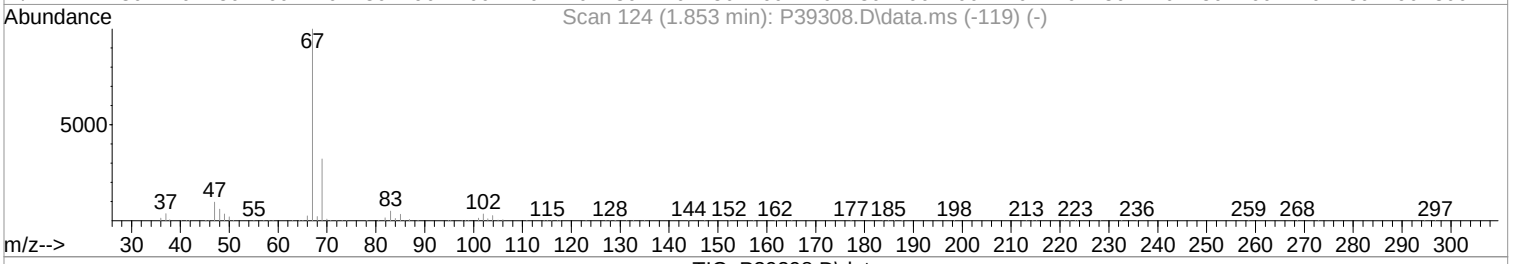
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(7) Freon 21

1.859min (+0.006) 1.12 ppb

response 6861

Ion	Exp%	Act%
67.00	100	100
69.00	32.20	38.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

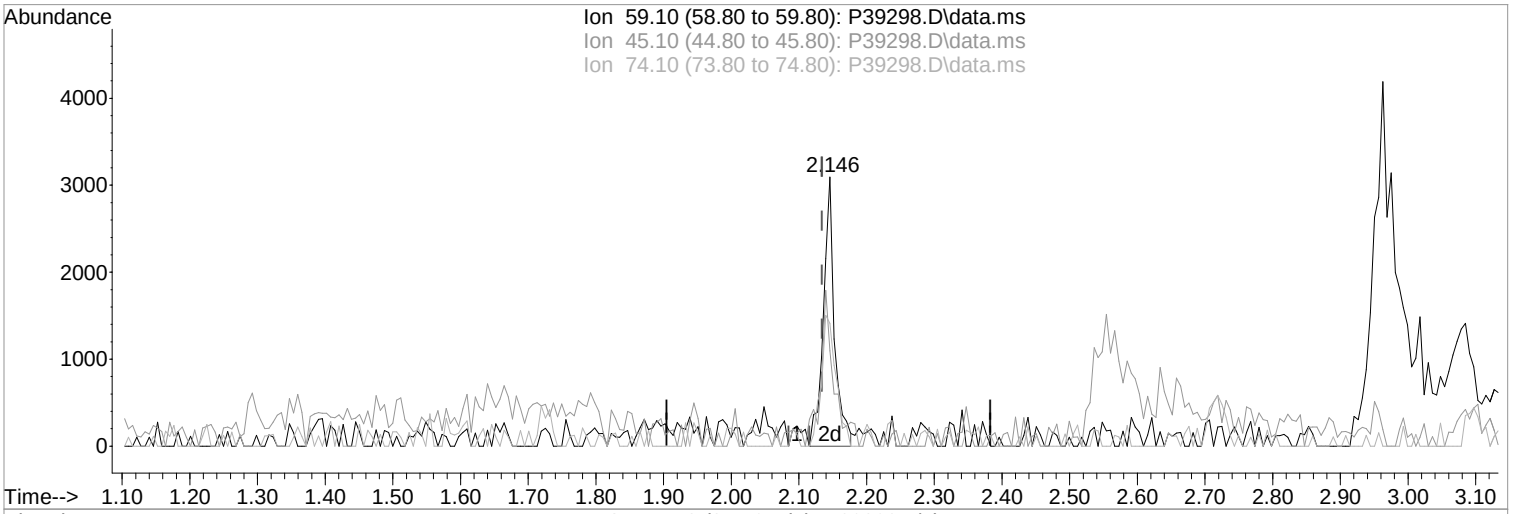
09/04/20

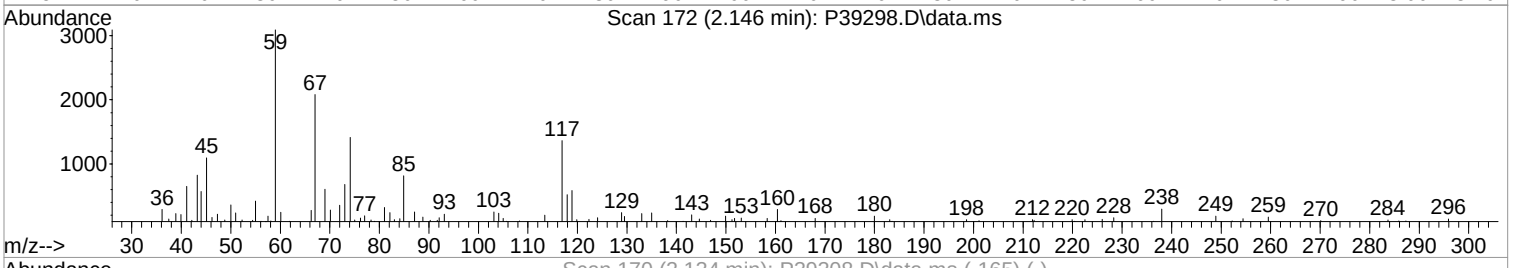
1st 09/05/20
2nd 09/05/20

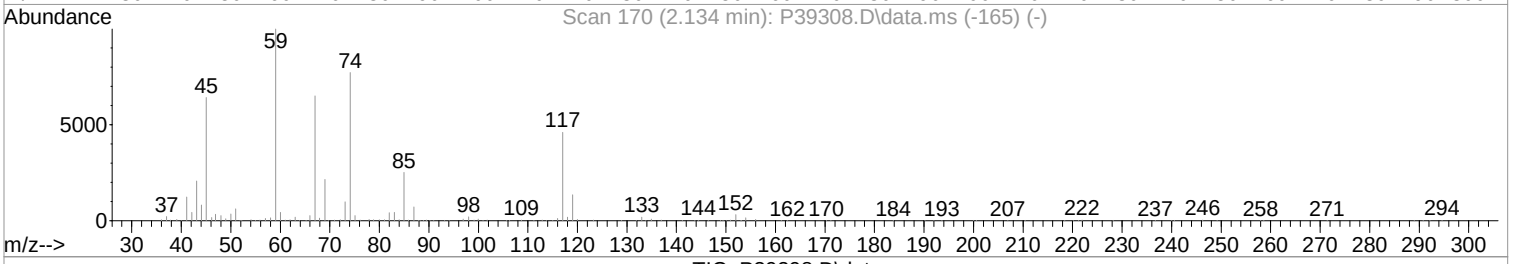
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(9) Diethyl Ether

2.146min (+0.012) 1.21 ppb m

response 3566

Ion	Exp%	Act%
59.10	100	100
45.10	64.20	35.39#
74.10	77.00	45.60#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

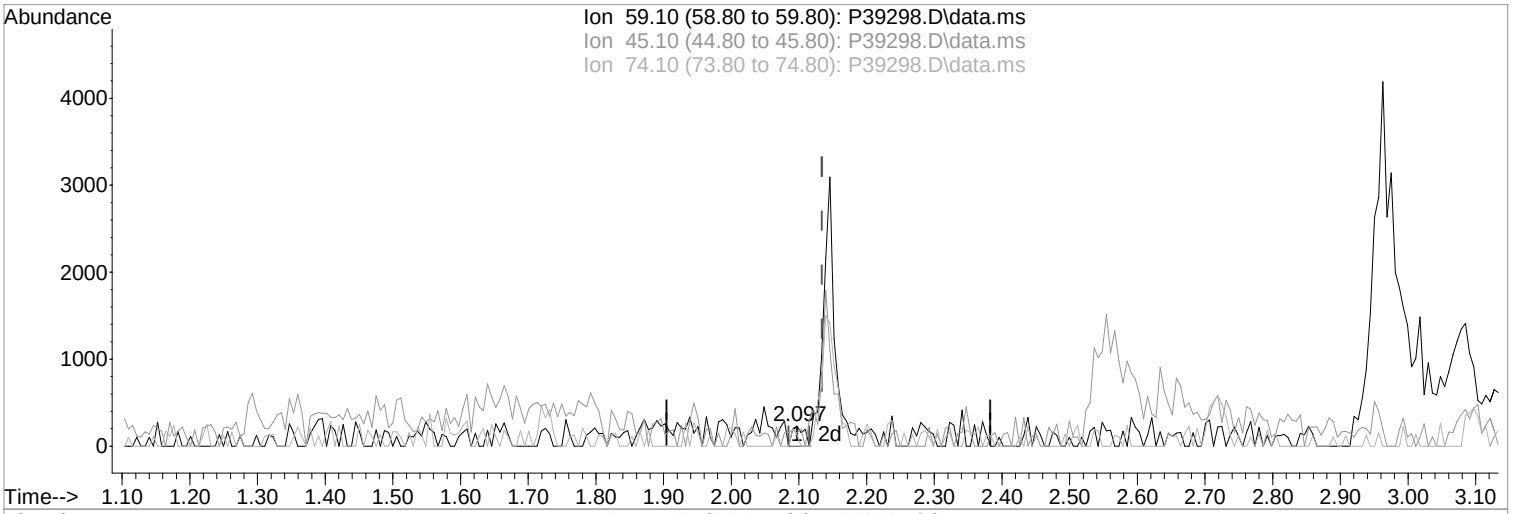
09/04/20

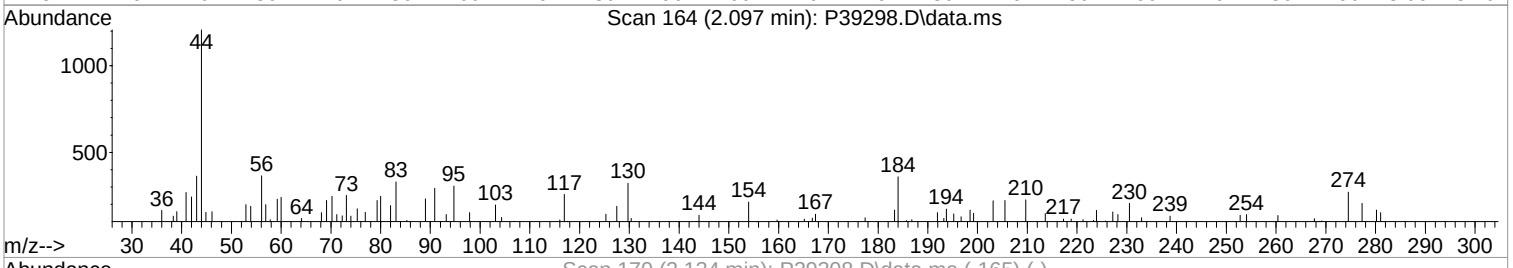
1st 09/05/20
2nd 09/05/20

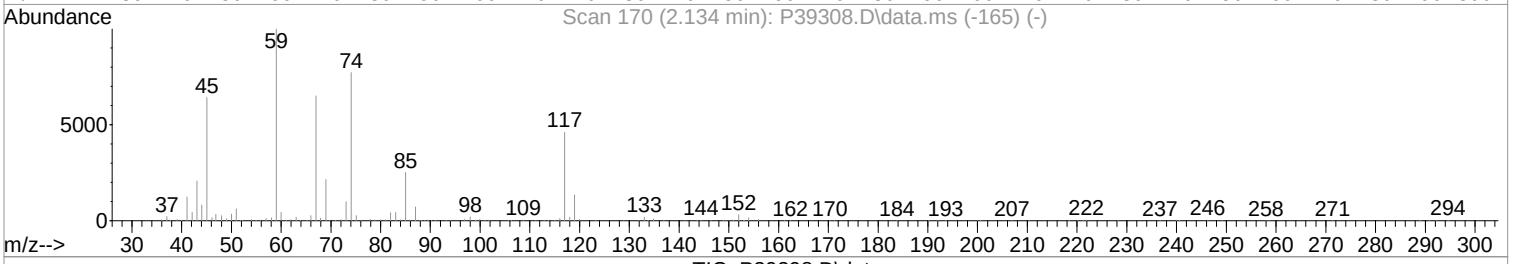
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39298.D\data.ms

(9) Diethyl Ether

2.097min (-0.037) 0.10 ppb

response 283

Ion	Exp%	Act%
59.10	100	100
45.10	64.20	66.81
74.10	77.00	57.21
0.00	0.00	0.00

Manual Integration:

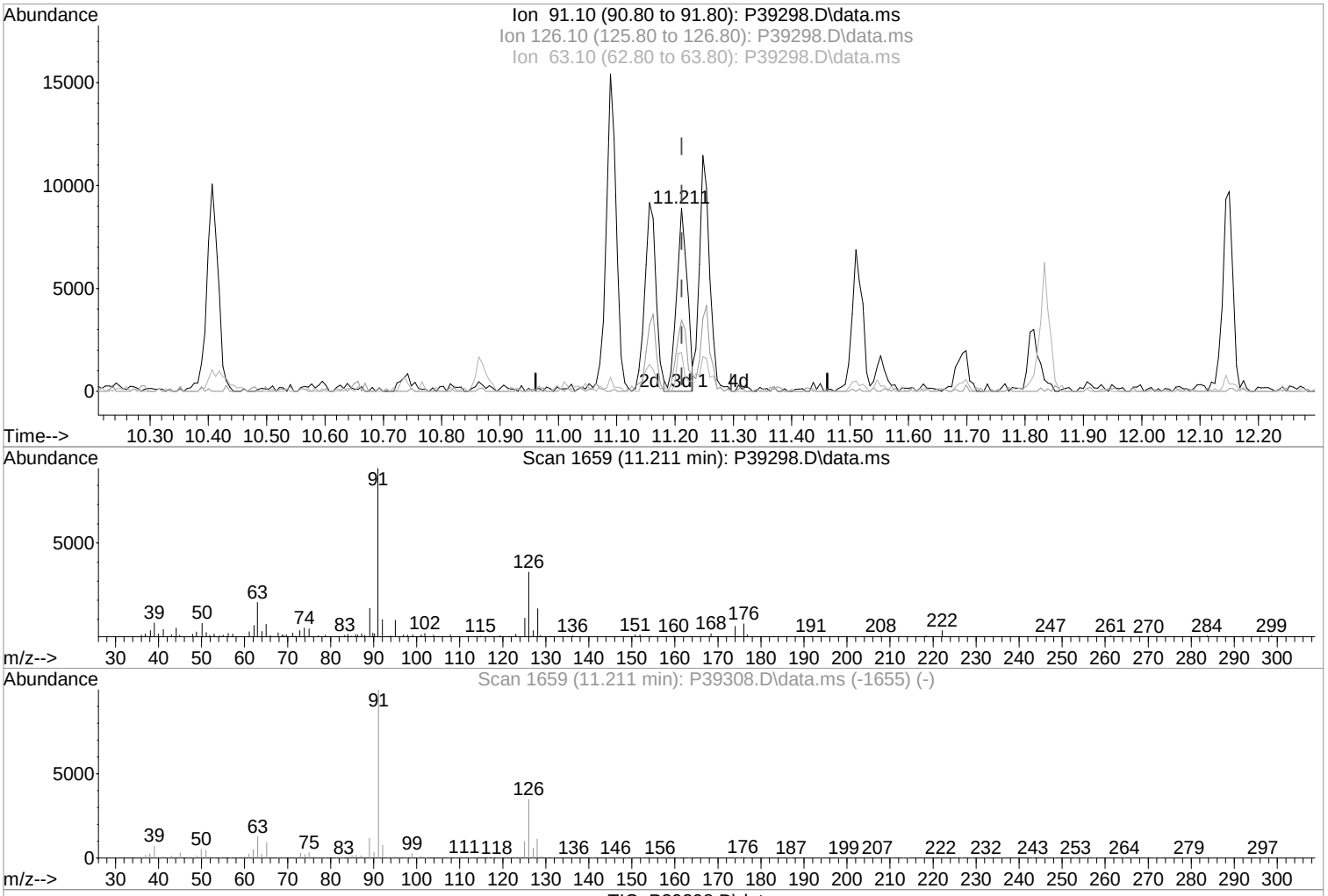
Before

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39298.D\data.ms

(97) 3-Chlorotoluene

11.211min (-0.000) 1.03 ppb m

response 11475

Ion	Exp%	Act%
91.10	100	100
126.10	34.60	39.01
63.10	12.70	21.24#
0.00	0.00	0.00

Manual Integration:

After

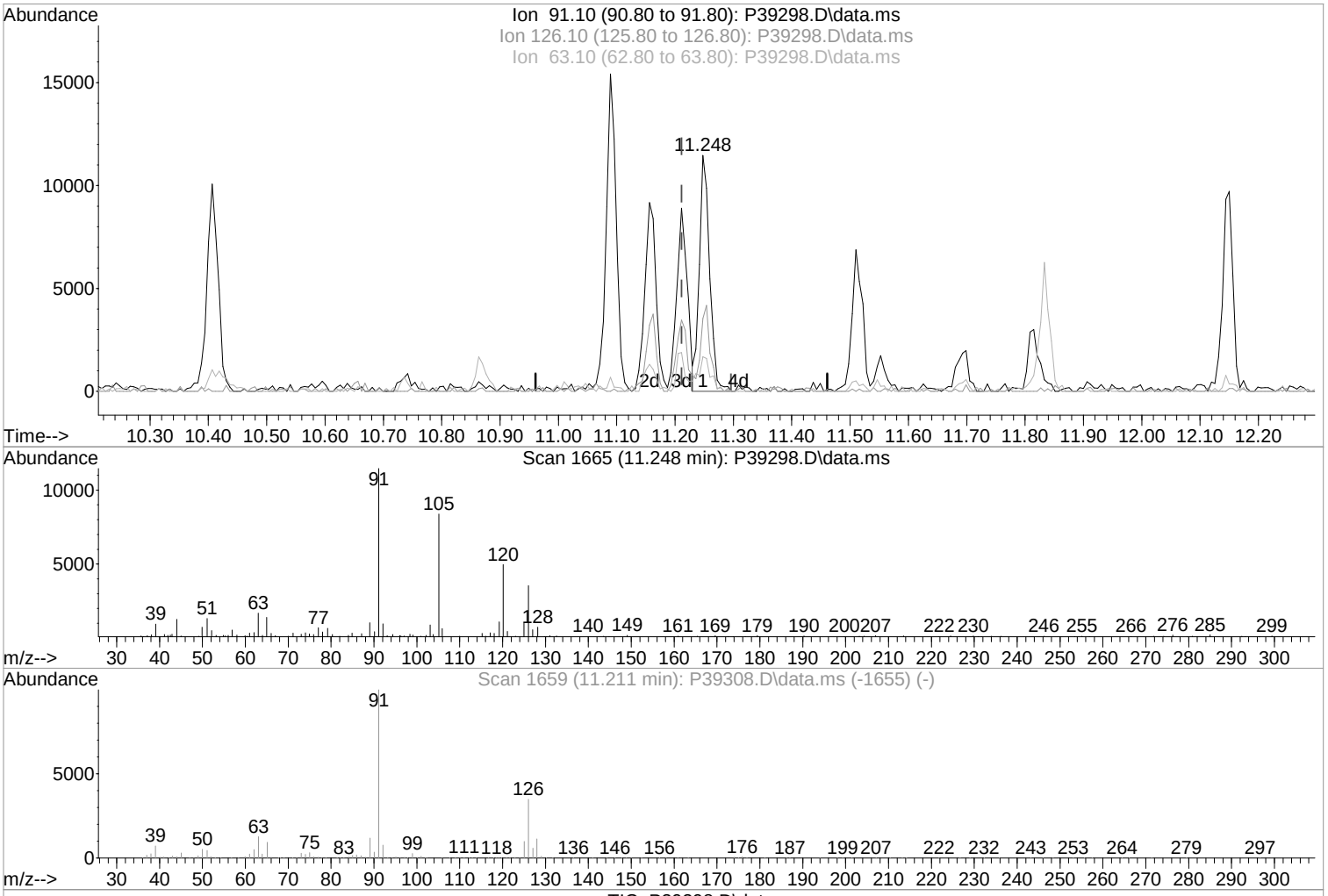
Wrong peak selected.

09/04/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 17:26:11 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39298.D\data.ms

(97) 3-Chlorotoluene

11.248min (+0.036) 1.28 ppb

response 14232

Ion	Exp%	Act%
91.10	100	100
126.10	34.60	30.87
63.10	12.70	14.65
0.00	0.00	0.00

Manual Integration:

Before

09/04/20

1st 09/05/20
2nd 09/05/20

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 18:02:53 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	322894	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	490826	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	450771	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	228740	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.328	113	29730	10.32	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 20.64%#				
48) surr1,1,2-dichloroetha...	5.852	65	40123	10.43	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.86%#				
65) SURR3,Toluene-d8	8.315	98	146018	11.15	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.30%#				
70) SURR2,BFB	10.870	95	55144	10.86	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 21.72%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.195	85	4806	1.13	ppb		83
3) Chloromethane	1.323	50	4922	1.12	ppb		97
4) Vinyl Chloride	1.402	62	5523	1.03	ppb		95
5) Bromomethane	1.640	94	6304	1.33	ppb		81
6) Chloroethane	1.713	64	3806	0.97	ppb		96
7) Freon 21	1.859	67	5616m	0.92	ppb		
8) Trichlorofluoromethane	1.902	101	5282	1.04	ppb		90
9) Diethyl Ether	2.146	59	3566m	1.21	ppb		
10) Freon 123a	2.152	67	4393m	1.28	ppb		
11) Freon 123	2.213	83	5068	1.25	ppb	#	74
12) Acrolein	2.268	56	4970	5.83	ppb	#	73
13) 1,1-Diclethene	2.335	96	2707	1.14	ppb	#	67
14) Freon 113	2.329	101	3159	1.18	ppb		98
17) Iodomethane	2.475	142	1067m	0.34	ppb		
18) Carbon Disulfide	2.524	76	8124	0.99	ppb		96
20) Allyl Chloride	2.670	76	1535	0.98	ppb	#	76
21) Methyl Acetate	2.707	43	3229	0.99	ppb		90
22) Methylene Chloride	2.798	84	4171	1.31	ppb		87
23) TBA	2.963	59	16943m	23.40	ppb		
24) Acrylonitrile	3.091	53	9103	5.29	ppb		88
25) Methyl-t-Butyl Ether	3.097	73	11913	1.09	ppb		92
26) trans-1,2-Dichloroethene	3.079	96	3268	1.18	ppb	#	79
28) 1,1-Diclethane	3.591	63	6133	1.16	ppb		82
29) Vinyl Acetate	3.688	86	514	0.85	ppb	#	1
30) DIPE	3.694	45	9902	1.08	ppb	#	62
31) 2-Chloro-1,3-Butadiene	3.713	53	5826	1.16	ppb		83
32) ETBE	4.243	59	10667	1.14	ppb		92
33) 2,2-Dichloropropane	4.432	77	5693m	1.15	ppb		
34) cis-1,2-Dichloroethene	4.438	96	4003m	1.20	ppb		
36) Propionitrile	4.651	54	4310m	5.12	ppb		
37) Bromochloromethane	4.853	130	2497m	1.16	ppb		
38) Methacrylonitrile	4.889	67	2512m	1.26	ppb		
40) Chloroform	5.036	83	6669m	1.20	ppb		
41) 1,1,1-Trichloroethane	5.298	97	5151m	1.03	ppb		
42) TAME	6.127	73	10351	1.04	ppb		83
44) Cyclohexane	5.377	41	3430m	1.16	ppb		
46) Carbontetrachloride	5.566	117	2987	0.77	ppb	#	80
47) 1,1-Dichloropropene	5.584	75	4038	0.96	ppb		85
49) Benzene	5.901	78	14254	1.10	ppb		83

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 18:02:53 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-Dichloroethane	5.968	62	5181	1.11	ppb		91
52) n-Heptane	6.365	43	5021	1.34	ppb	#	80
53) 1-Butanol	6.950	56	5637m	38.26	ppb		
54) Trichloroethene	6.834	130	3962	1.08	ppb	#	76
55) Methylcyclohexane	7.047	55	3672	0.88	ppb	#	72
56) 1,2-Diclpropane	7.139	63	3793	1.15	ppb		87
57) Dibromomethane	7.273	93	2703	1.20	ppb	#	83
59) Methyl Methacrylate	7.352	69	4332	1.33	ppb	#	65
60) Bromodichloromethane	7.498	83	4926	1.13	ppb		92
62) 2-Chloroethylvinyl Ether	7.907	63	1980	0.94	ppb		79
63) cis-1,3-Dichloropropene	8.035	75	5336	1.02	ppb		92
64) 4-Methyl-2-pentanone	8.248	43	5023	1.14	ppb		92
66) Toluene	8.389	91	15133	1.02	ppb		91
67) trans-1,3-Dichloropropene	8.675	75	4948	0.98	ppb		88
68) Ethyl Methacrylate	8.809	69	5503	0.98	ppb		93
69) 1,1,2-Trichloroethane	8.864	97	3208	0.99	ppb	#	82
72) Tetrachloroethene	8.968	164	3457	1.25	ppb	#	64
73) 2-Hexanone	9.157	43	4220	1.27	ppb		83
74) 1,3-Dichloropropane	9.029	76	6284	1.09	ppb		85
75) Dibromochloromethane	9.248	129	2946	0.96	ppb		87
76) N-Butyl Acetate	9.297	43	7534	1.11	ppb		98
77) 1,2-Dibromoethane	9.346	107	4043	1.17	ppb	#	74
78) Chlorobenzene	9.821	112	10929	1.15	ppb		96
79) 3-CBTF	9.846	180	5172	1.00	ppb	#	80
80) 4-CBTF	9.894	180	4576	1.00	ppb		94
81) 1,1,1,2-Tetrachloroethane	9.907	131	2874	0.88	ppb	#	77
82) Ethylbenzene	9.937	106	5161	0.99	ppb		93
83) (m+p)Xylene	10.053	106	12052	1.91	ppb		97
84) o-Xylene	10.413	106	5972	0.94	ppb		91
85) Styrene	10.425	104	10916	1.02	ppb		91
87) Bromoform	10.583	173	1810	0.90	ppb	#	68
88) 2-CBTF	10.656	180	5420	1.15	ppb	#	67
89) Isopropylbenzene	10.736	105	16947	1.12	ppb		98
90) Cyclohexanone	10.833	55	18185	21.76	ppb		95
91) trans-1,4-Dichloro-2-B...	11.059	53	1278	1.03	ppb		81
92) 1,1,2,2-Tetrachloroethane	11.016	83	4636	1.08	ppb		96
93) Bromobenzene	10.992	156	4200	1.04	ppb		100
94) 1,2,3-Trichloropropane	11.047	110	2253	1.36	ppb	#	75
95) n-Propylbenzene	11.089	91	18472	1.07	ppb		88
96) 2-Chlorotoluene	11.156	91	12451	1.11	ppb		96
97) 3-Chlorotoluene	11.211	91	11475m	1.03	ppb		
98) 4-Chlorotoluene	11.248	91	14232	1.11	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	12909	0.98	ppb		97
100) tert-Butylbenzene	11.516	119	11890	1.06	ppb		87
101) 1,2,4-Trimethylbenzene	11.553	105	12902	0.99	ppb		98
102) 3,4-DCBTF	11.620	214	3734	0.97	ppb		89
103) sec-Butylbenzene	11.693	105	17592	1.11	ppb		96
104) p-Isopropyltoluene	11.815	119	13501	0.98	ppb		95
105) 1,3-Dclbenz	11.778	146	7797	1.02	ppb		95
106) 1,4-Dclbenz	11.857	146	7894	0.98	ppb		97
107) 2,4-DCBTF	11.906	214	3327	0.97	ppb		96
108) 2,5-DCBTF	11.949	214	4015	1.01	ppb	#	89
109) n-Butylbenzene	12.150	91	11979	0.97	ppb		95
110) 1,2-Dclbenz	12.162	146	7955	1.01	ppb		98
111) 1,2-Dibromo-3-chloropr...	12.790	157	1163	0.94	ppb	#	66
112) Trielution Dichlorotol...	12.900	125	21804	3.08	ppb	#	92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 18:02:53 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
113) 1,3,5 Trichlorobenzene	12.943	180	6105	1.04	ppb		98
114) Coelution Dichlorotoluene	13.223	125	15195	1.98	ppb	#	91
115) 1,2,4-Tcbenzene	13.430	180	6001	1.01	ppb		96
116) Hexachlorobt	13.552	225	2423	1.03	ppb	#	82
117) Naphthalen	13.625	128	19345	1.06	ppb		96
118) 1,2,3-Tclbenzene	13.814	180	6159	1.02	ppb		84
119) 2,4,5-Trichlorotolene	14.393	159	3845	0.88	ppb		91
120) 2,3,6-Trichlorotoluene	14.479	159	4083m	1.04	ppb		

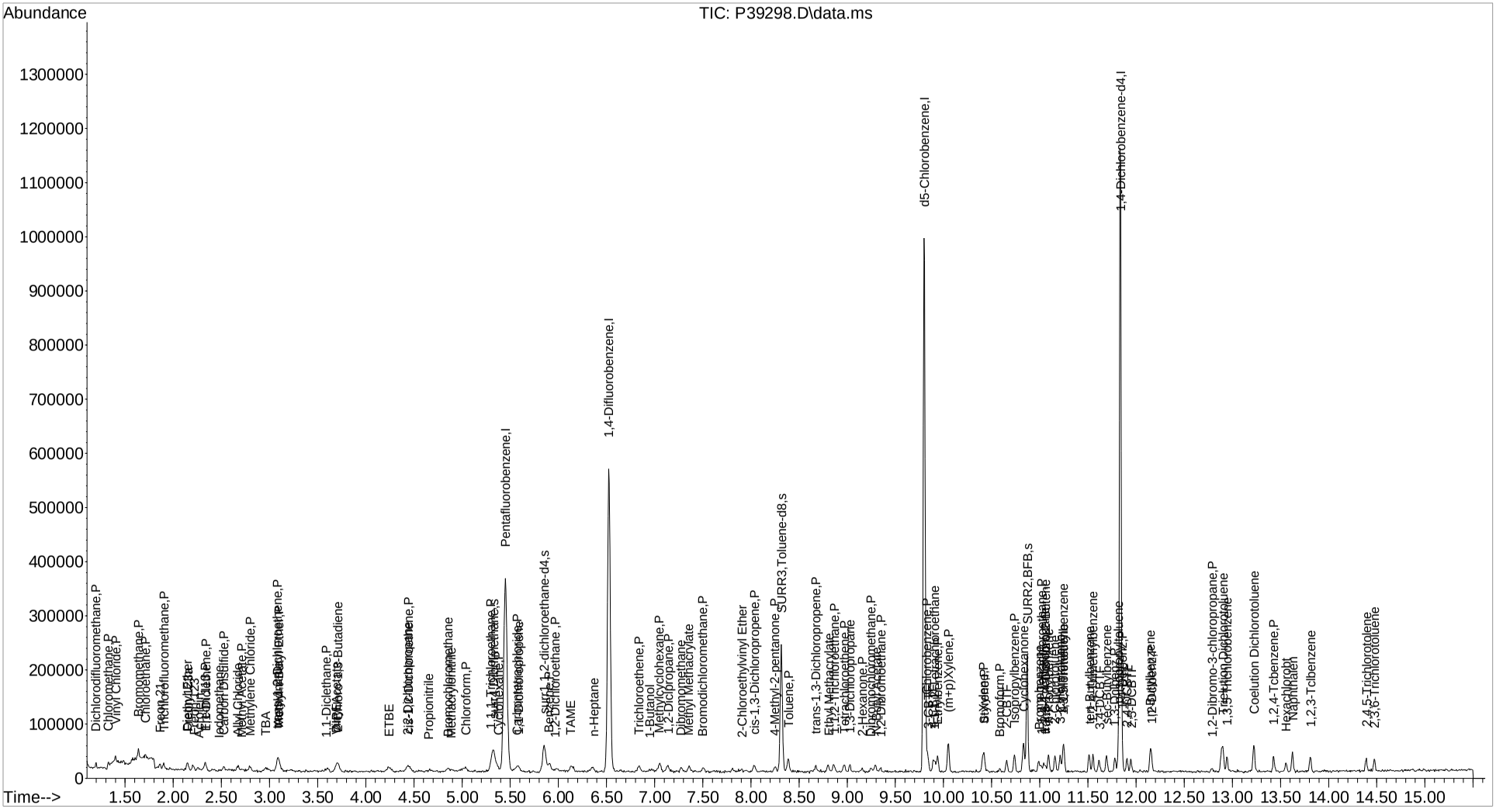
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39298.D
Acq On : 4 Sep 2020 12:35 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

1st 09/05/20
2nd 09/05/20

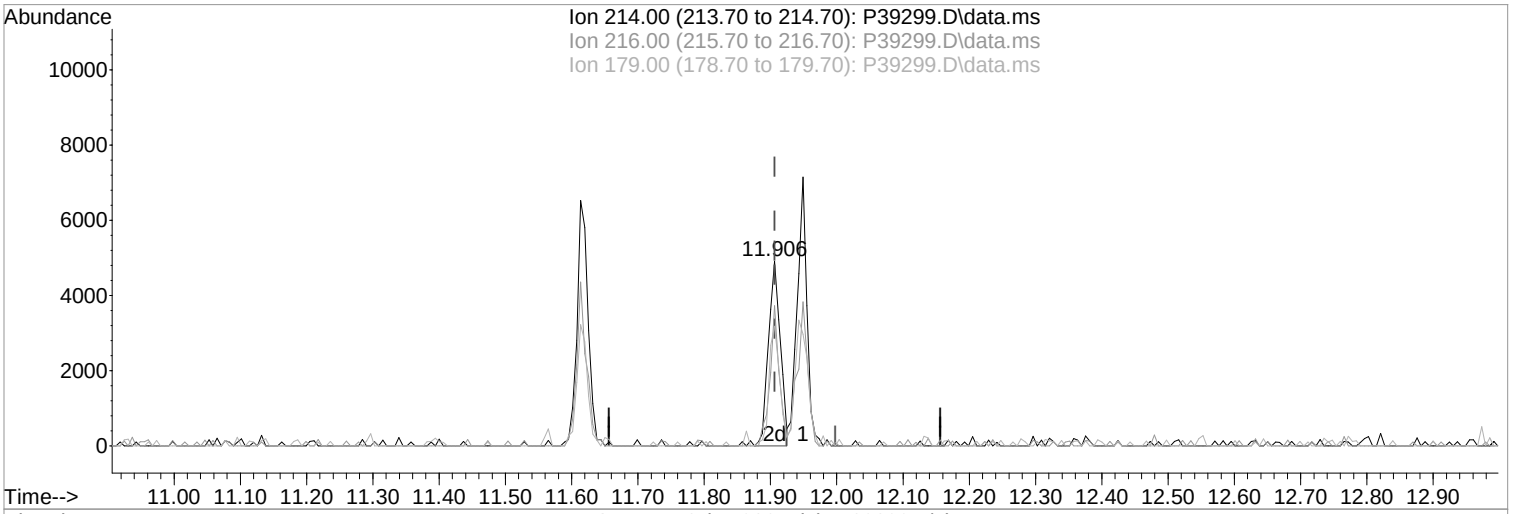
Quant Time: Sep 04 18:02:53 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

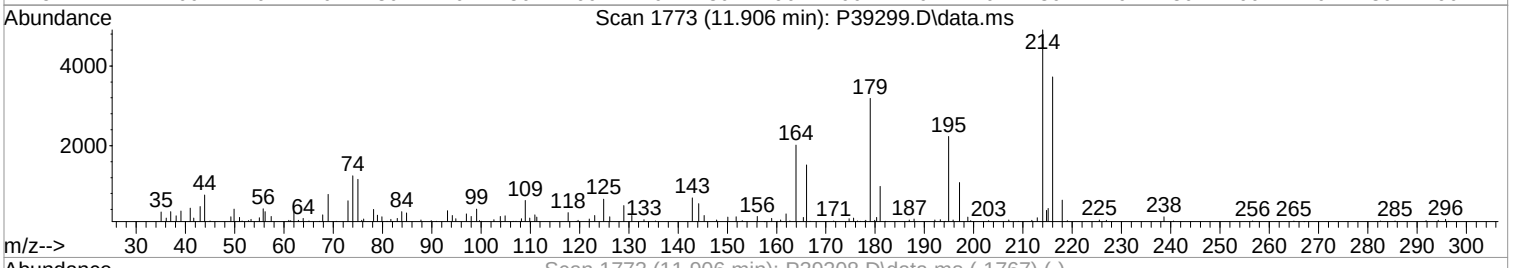


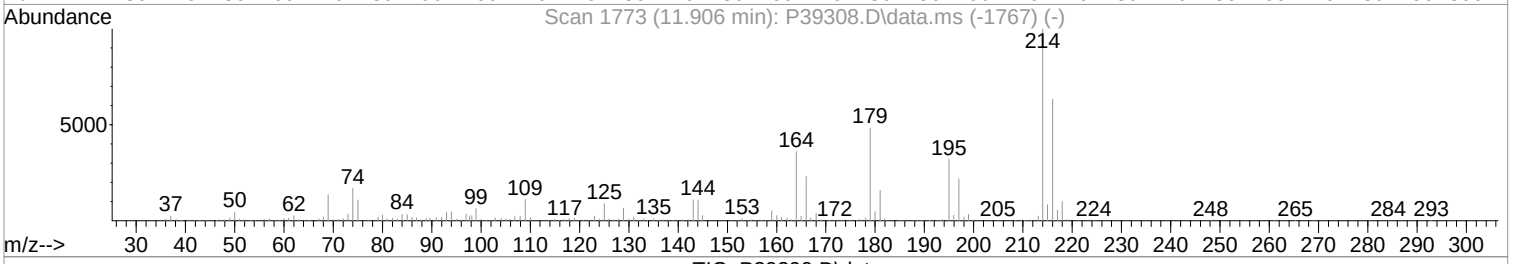
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(107) 2,4-DCBTF

11.906min (-0.000) 1.76 ppb m

response 6131

Ion	Exp%	Act%
214.00	100	100
216.00	63.30	75.96#
179.00	48.20	64.94#
0.00	0.00	0.00

Manual Integration:

After

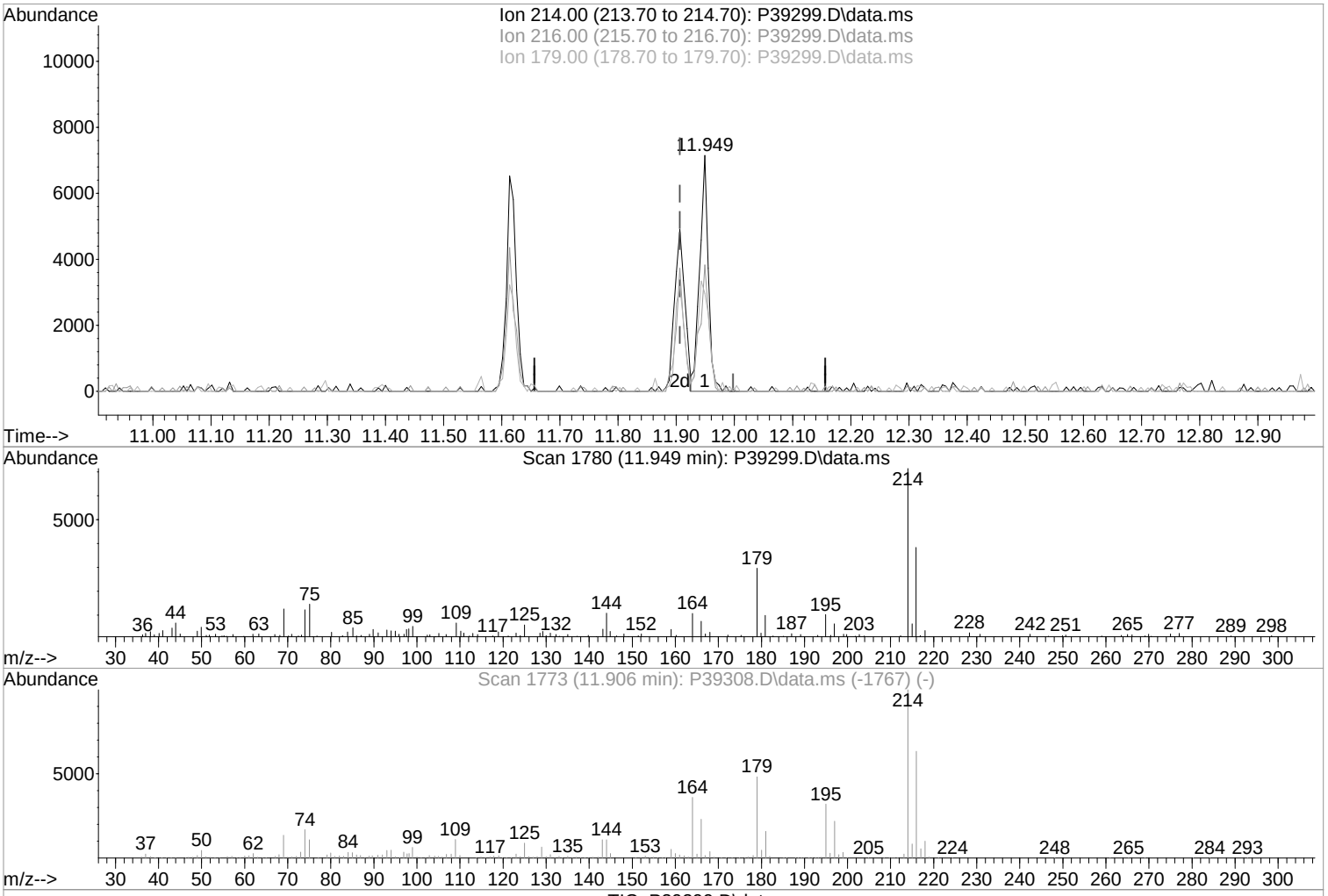
Wrong peak selected.

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(107) 2,4-DCBTF

11.949min (+0.043) 2.12 ppb

response 7404

Ion	Exp%	Act%
214.00	100	100
216.00	63.30	53.60
179.00	48.20	41.52
0.00	0.00	0.00

Manual Integration:

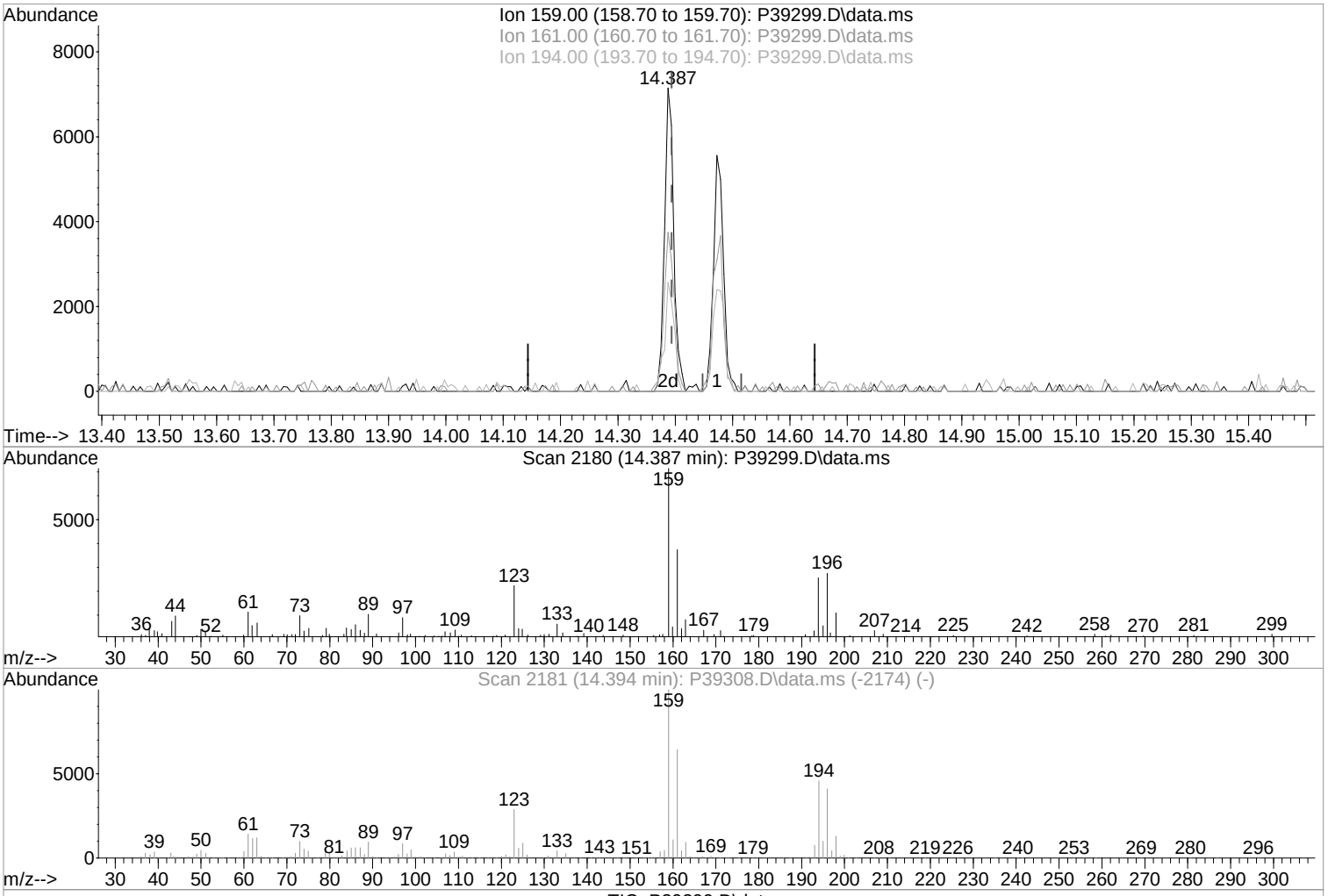
Before

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(119) 2,4,5-Trichlorotolene

14.387min (-0.006) 1.82 ppb m

response 8076

Ion	Exp%	Act%
159.00	100	100
161.00	64.40	52.41
194.00	45.80	35.91#
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

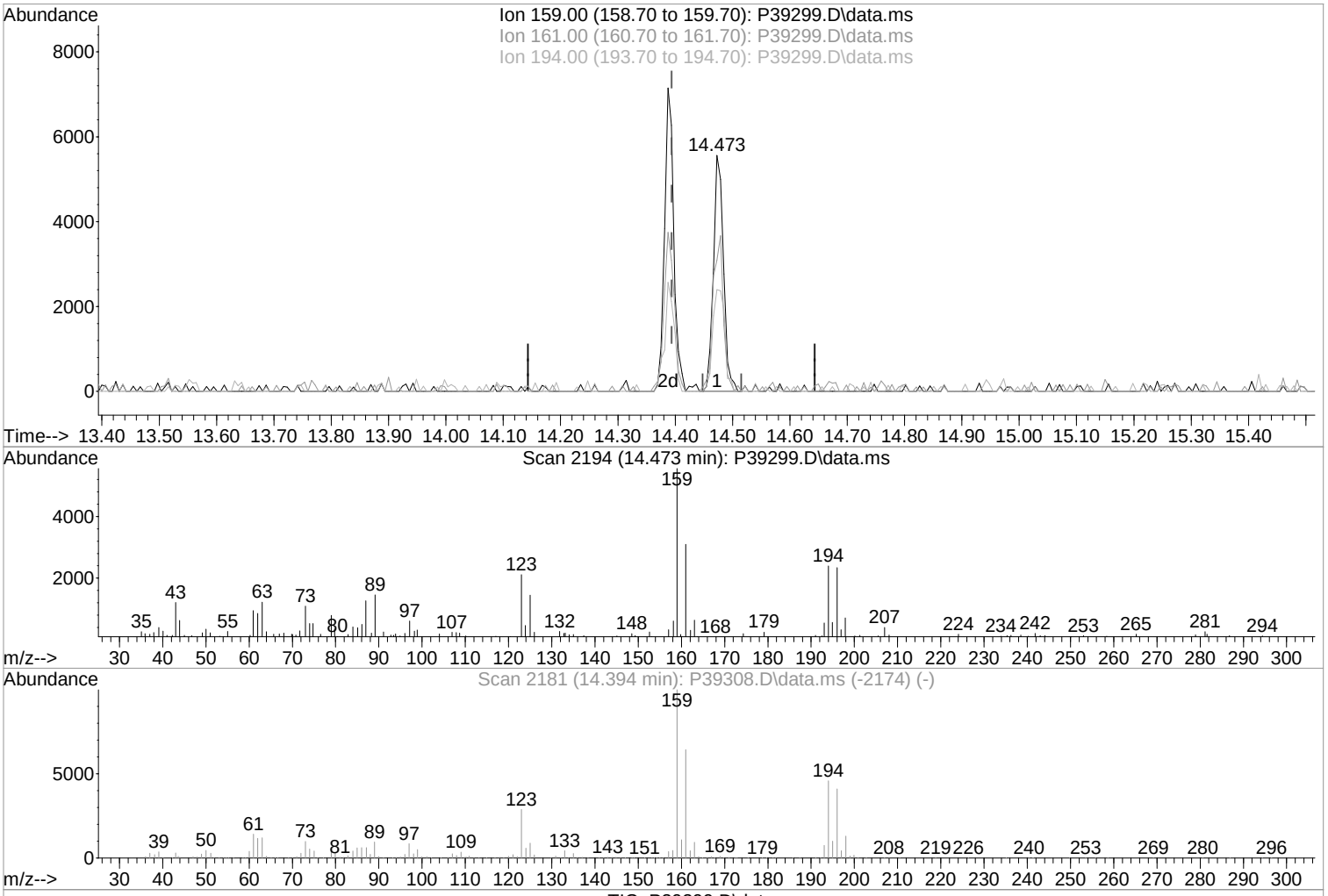
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(119) 2,4,5-Trichlorotolene

14.473min (+0.079) 1.53 ppb

response 6767

Ion	Exp%	Act%
159.00	100	100
161.00	64.40	55.60
194.00	45.80	43.10
0.00	0.00	0.00

Manual Integration:

Before

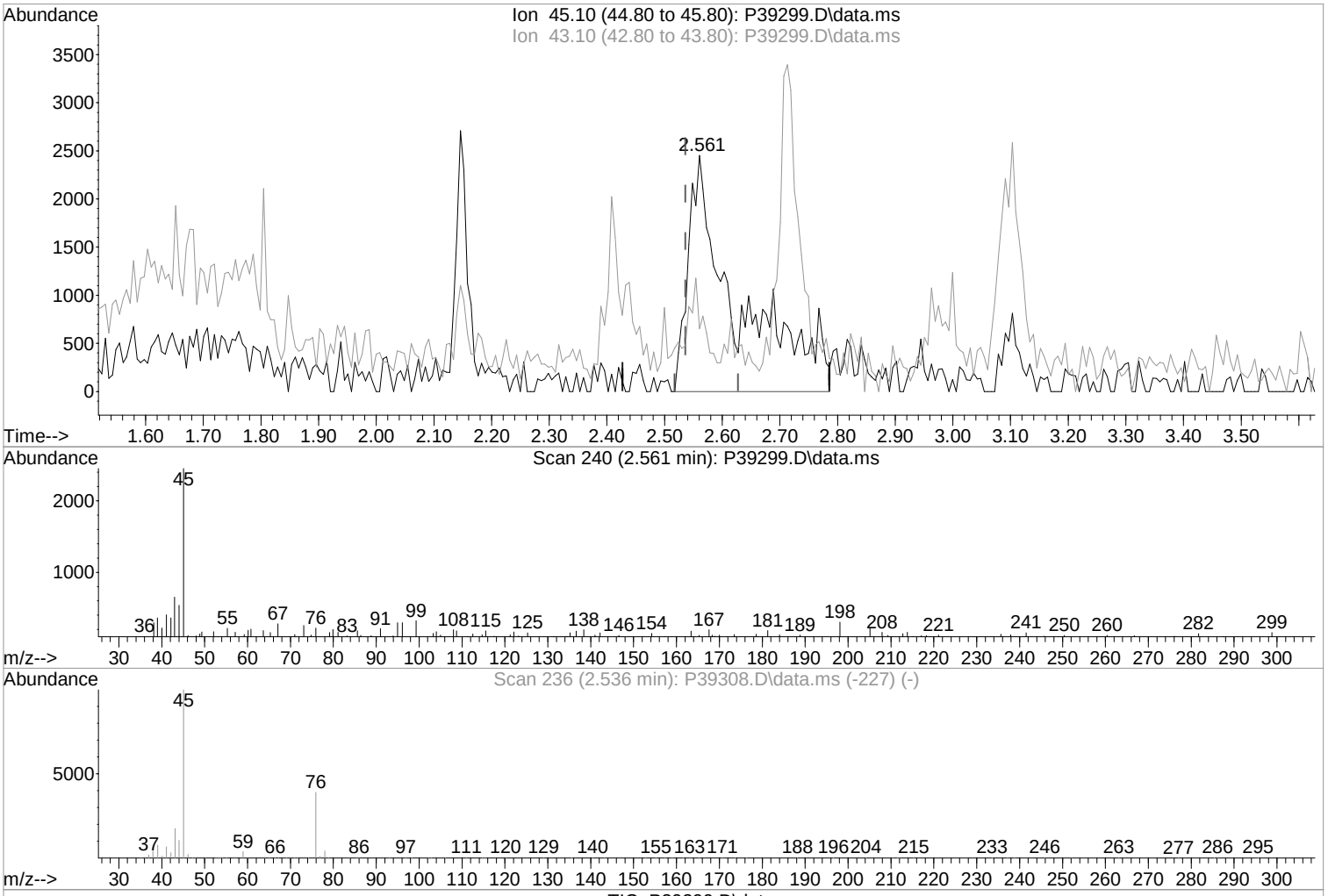
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(16) 2-Propanol

2.561min (+0.024) 37.31 ppb m

response 14372

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	26.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

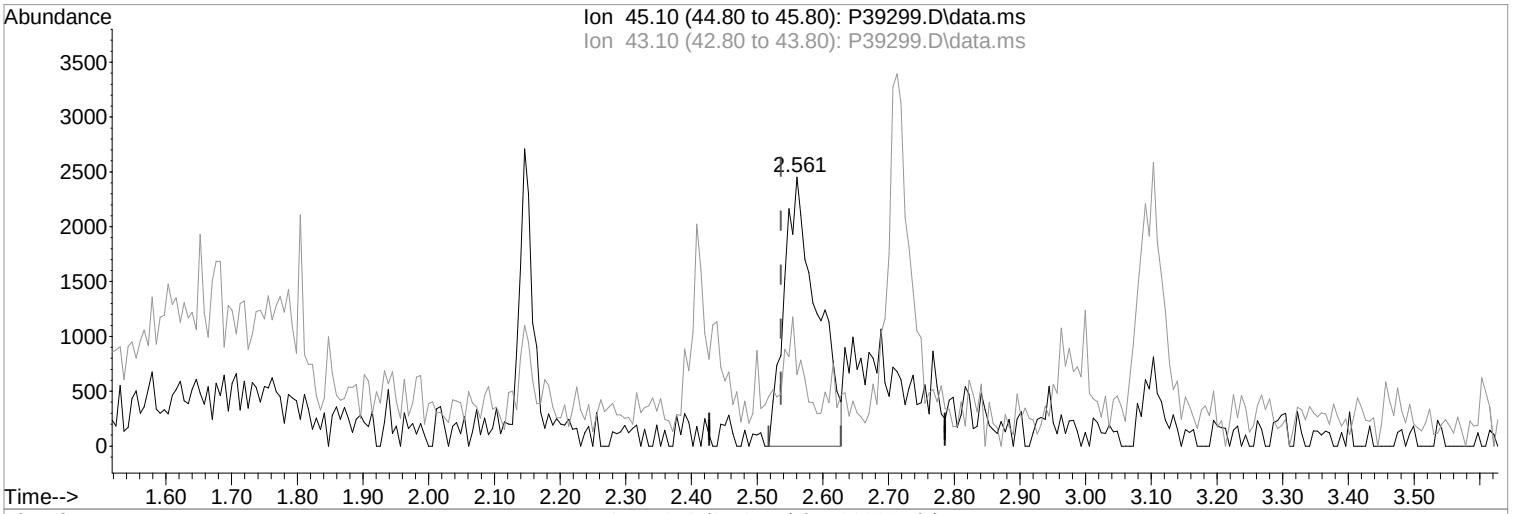
09/05/20

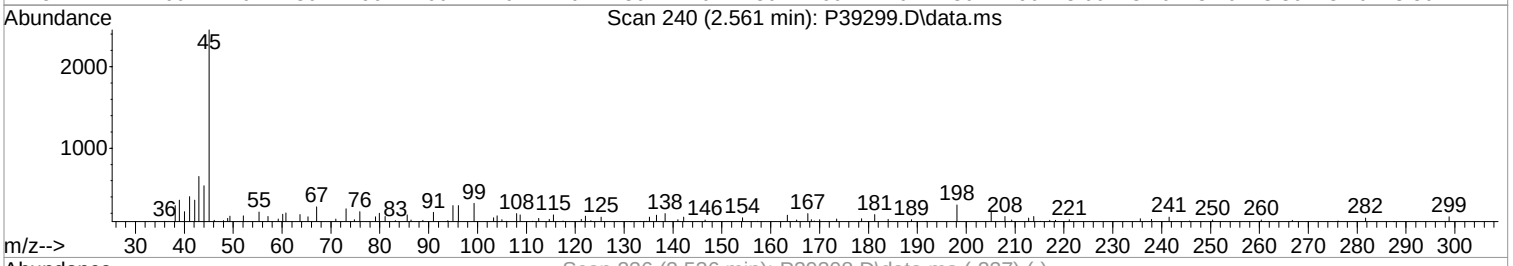
1st 09/05/20
2nd 09/05/20

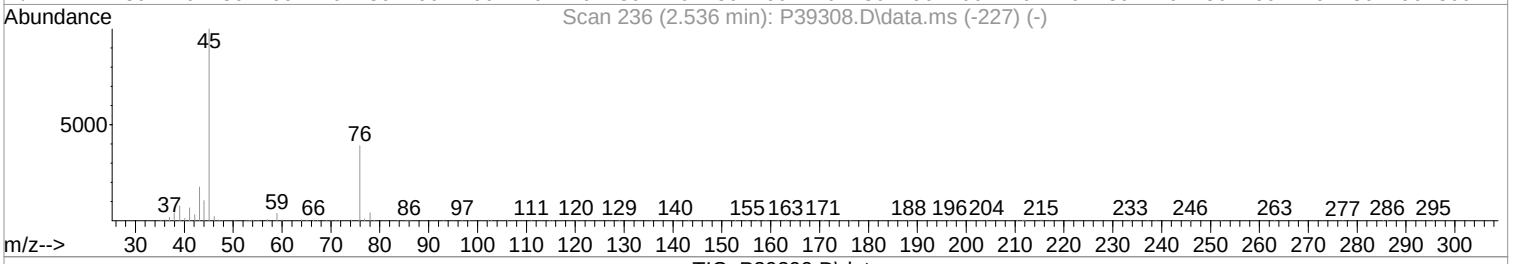
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(16) 2-Propanol

2.561min (+0.024) 21.96 ppb

response 8460

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	26.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

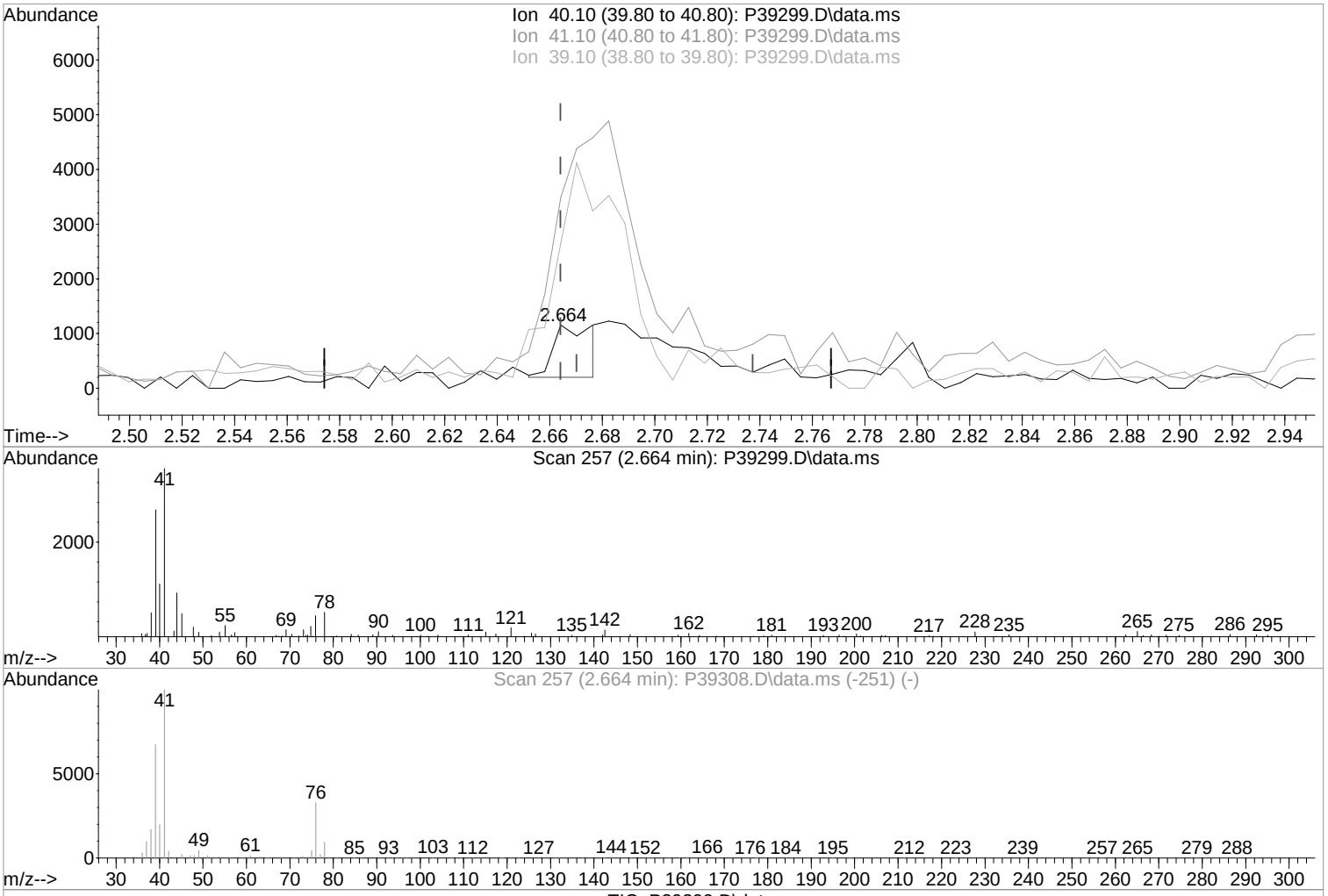
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(19) Acetonitrile

2.664min (-0.000) 8.36 ppb m

response 1013

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	301.12#
39.10	343.30	229.04#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

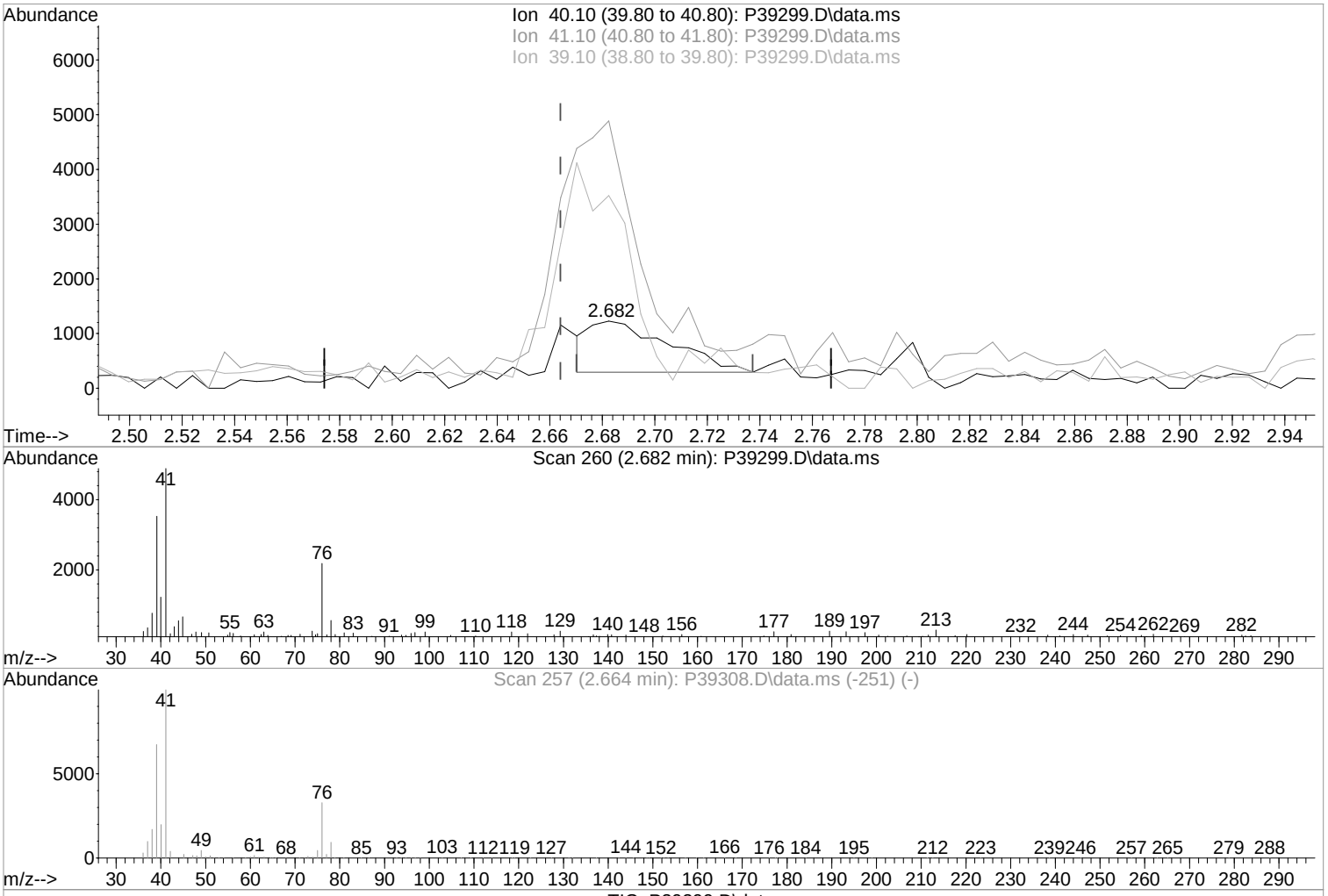
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(19) Acetonitrile

2.682min (+0.018) 16.33 ppb

response 1979

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	398.69#
39.10	343.30	287.28#
0.00	0.00	0.00

Manual Integration:

Before

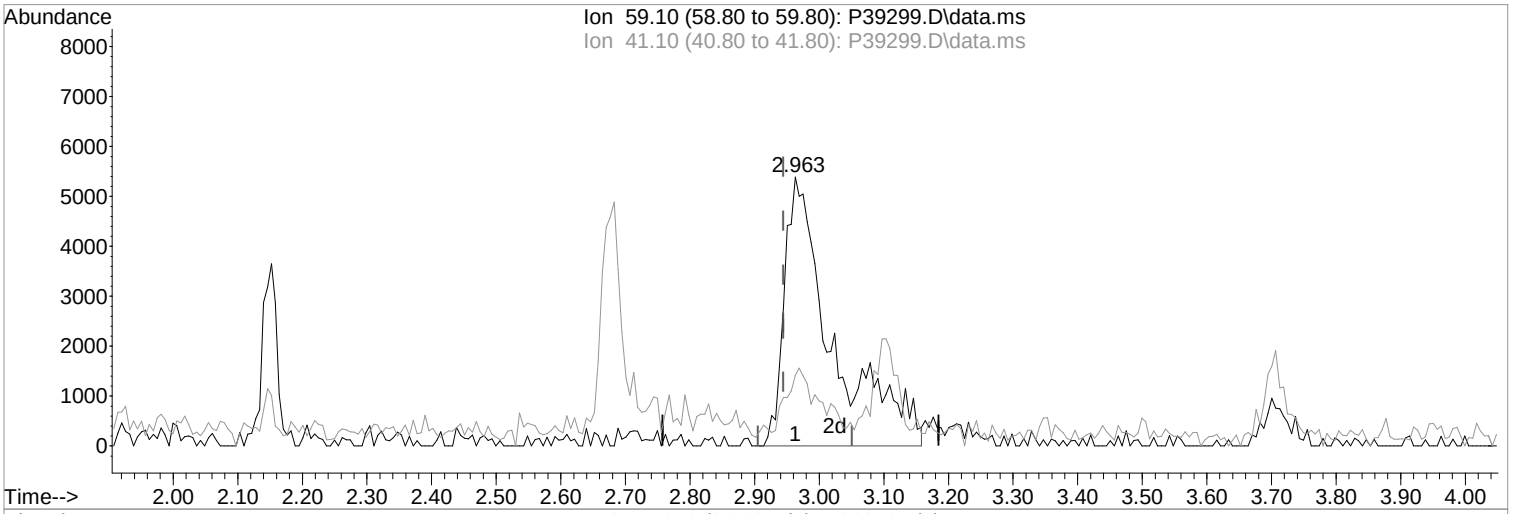
09/05/20

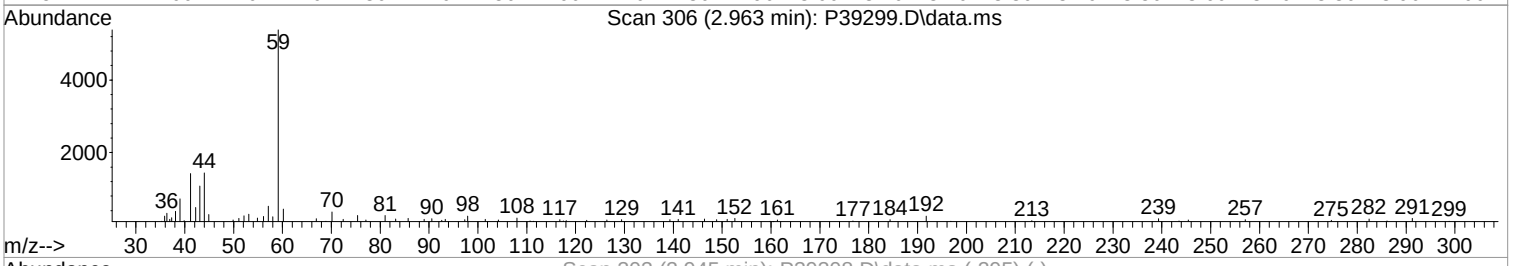
1st 09/05/20
2nd 09/05/20

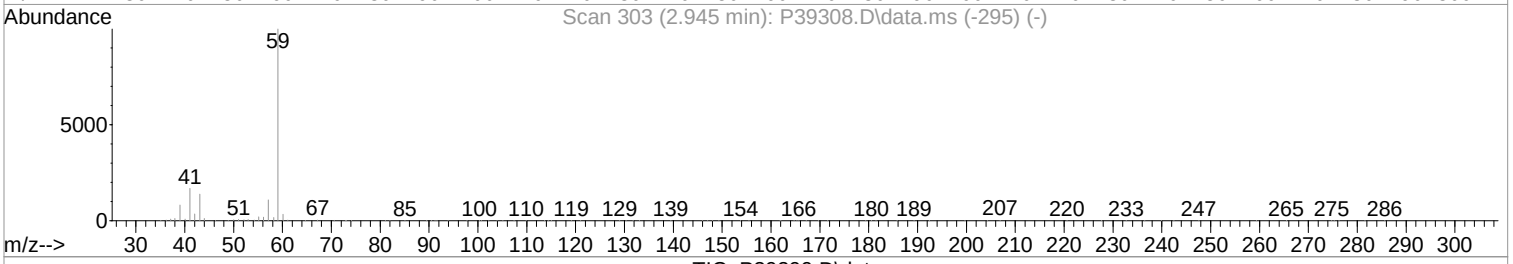
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 08:41:54 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(23) TBA

2.963min (+0.018) 39.05 ppb m

response 27802

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	26.35
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

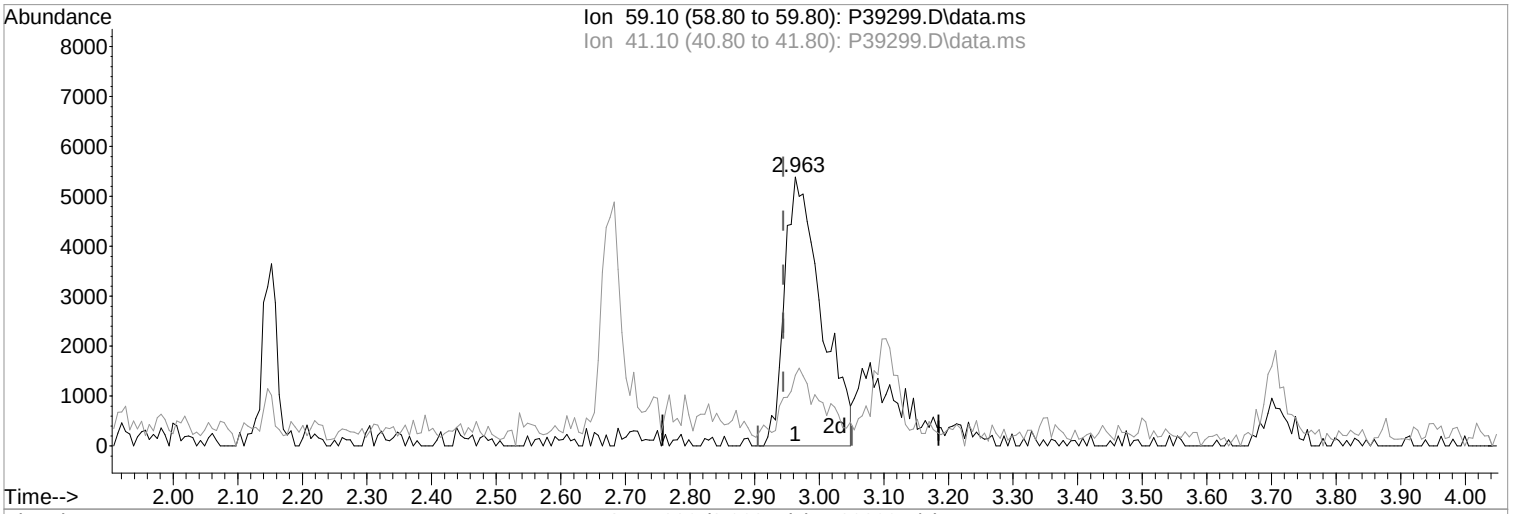
09/05/20

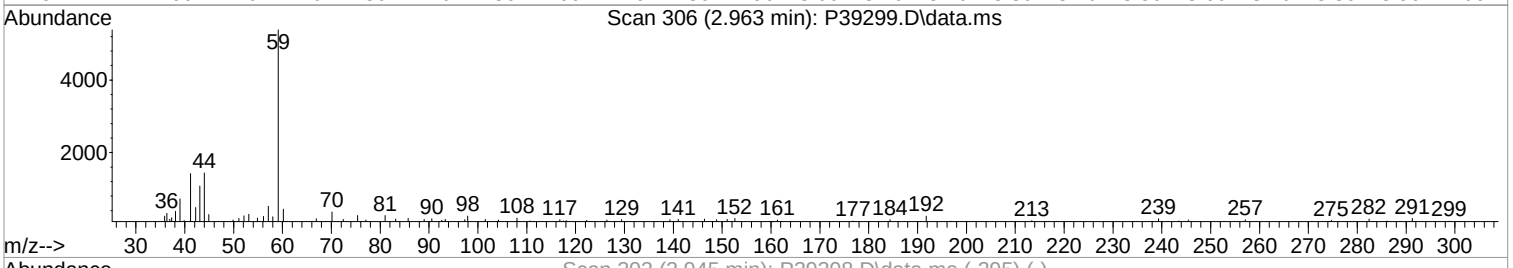
1st 09/05/20
2nd 09/05/20

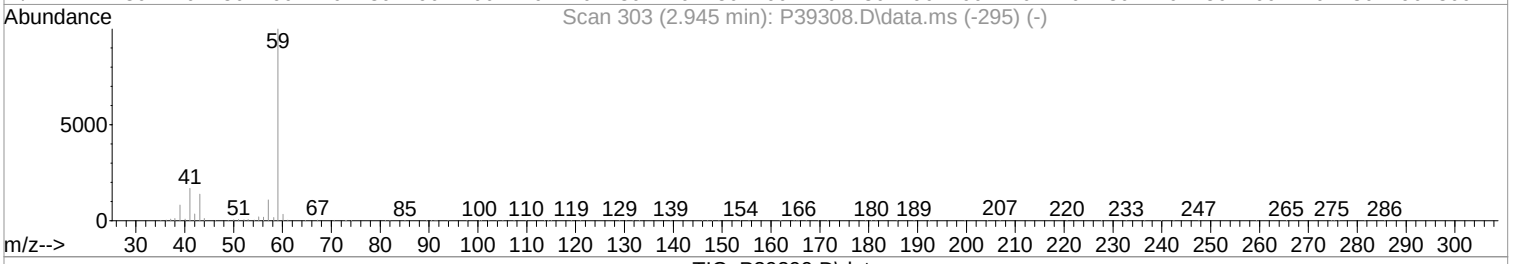
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 08:41:54 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(23) TBA

2.963min (+0.018) 29.77 ppb m

response 21199

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	26.35
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

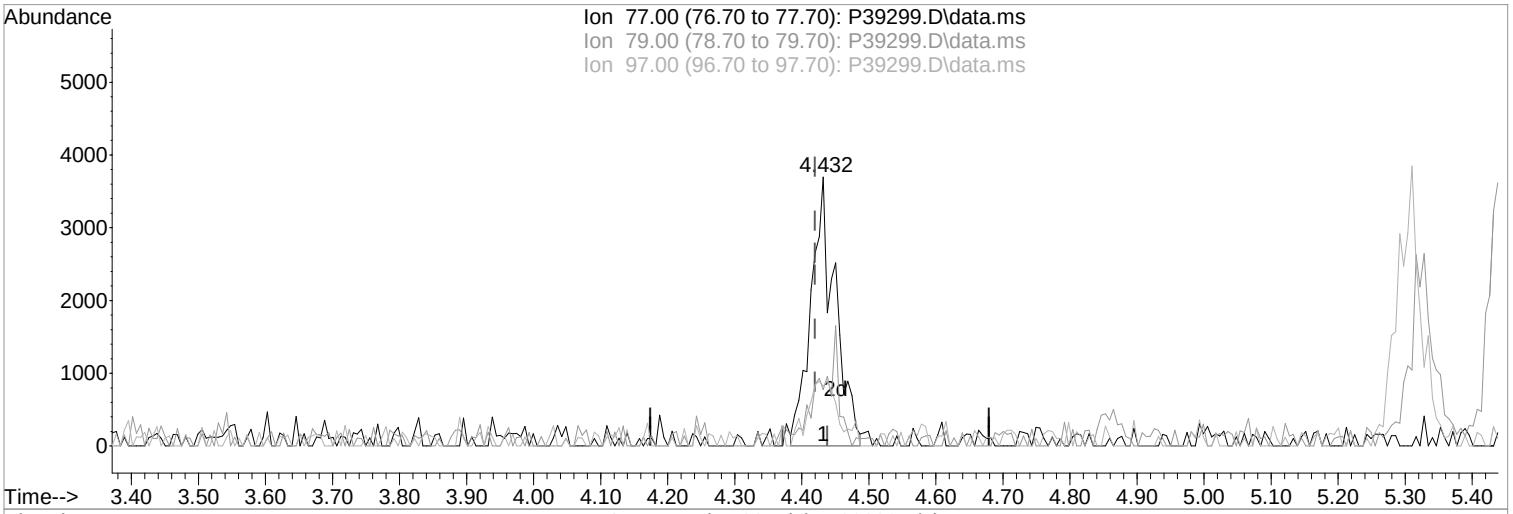
09/05/20

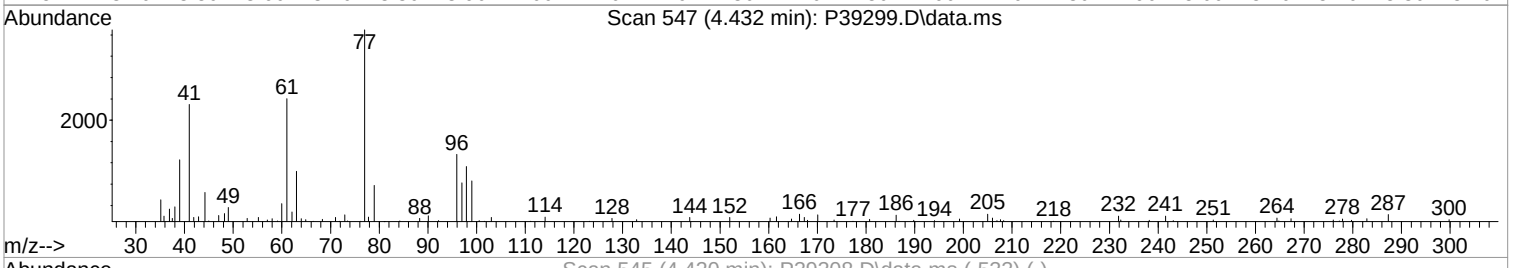
1st 09/05/20
2nd 09/05/20

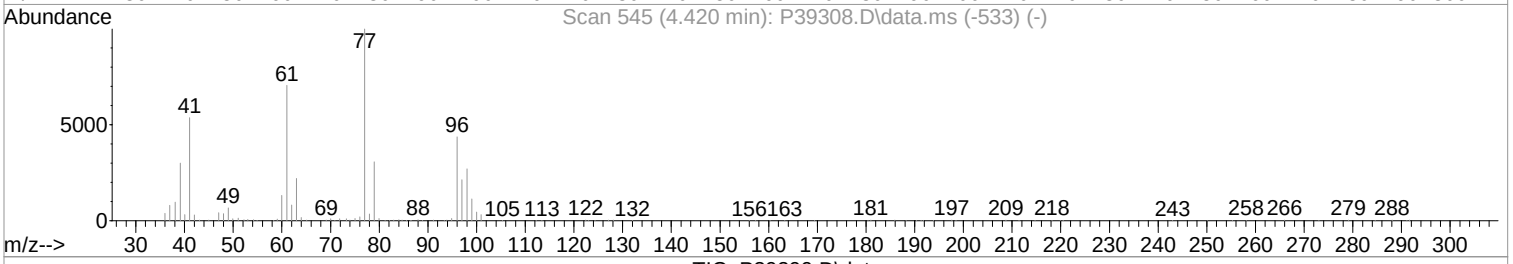
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(33) 2,2-Dichloropropane

4.432min (+0.012) 1.91 ppb m

response 9289

Ion	Exp%	Act%
77.00	100	100
79.00	30.60	20.94
97.00	21.30	22.32
0.00	0.00	0.00

Manual Integration:

After

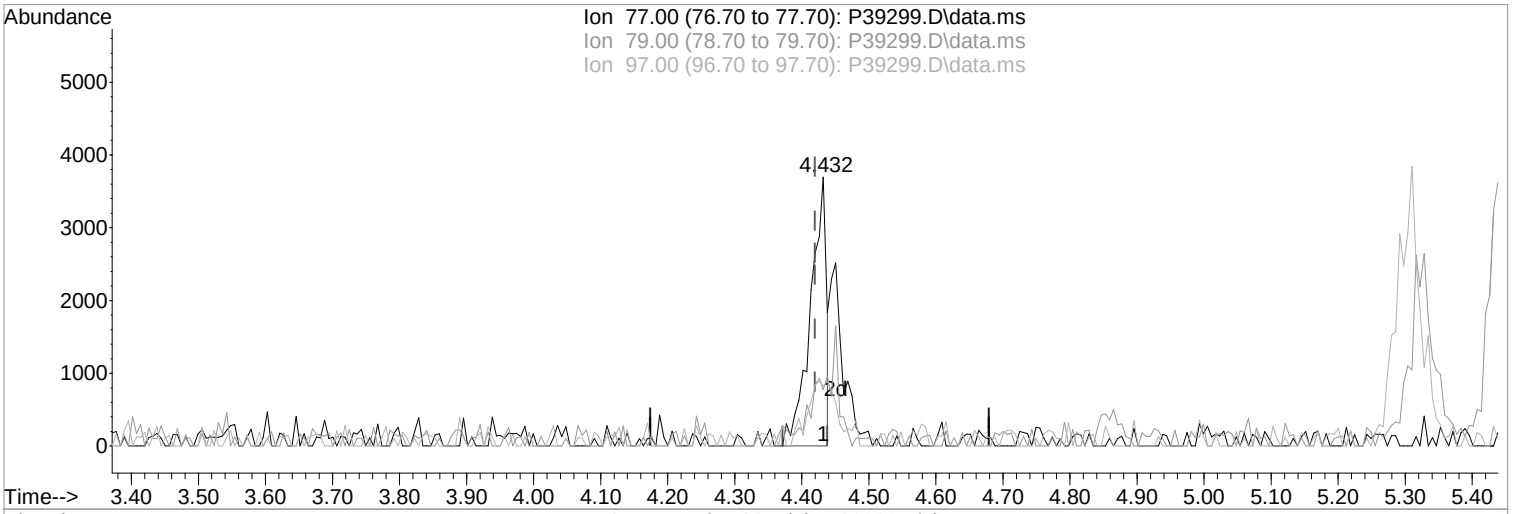
Split Peak

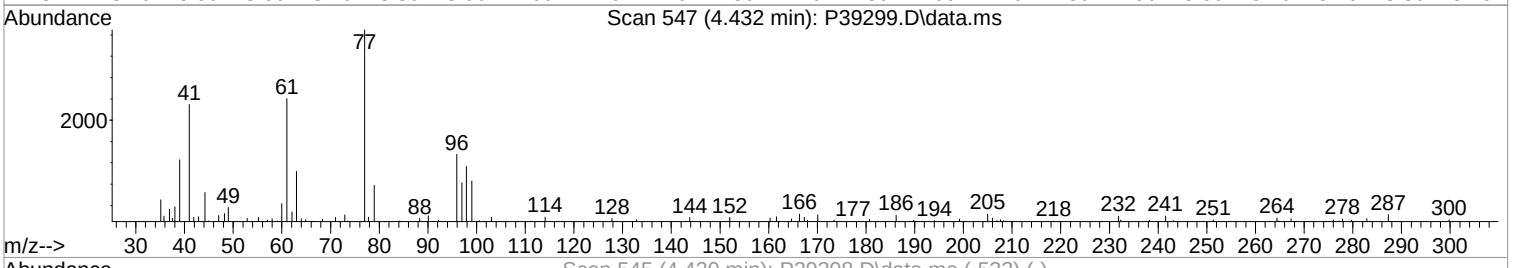
09/05/20

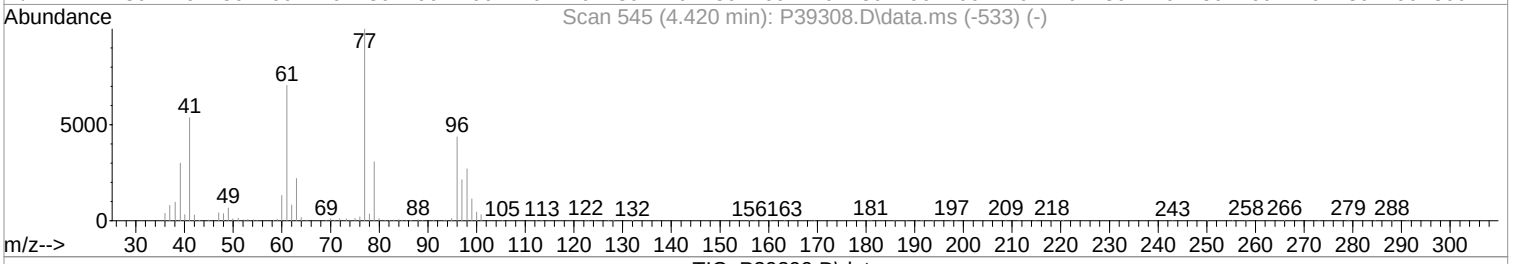
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(33) 2,2-Dichloropropane

4.432min (+0.012) 1.26 ppb

response 6139

Ion	Exp%	Act%
77.00	100	100
79.00	30.60	20.94
97.00	21.30	22.32
0.00	0.00	0.00

Manual Integration:

Before

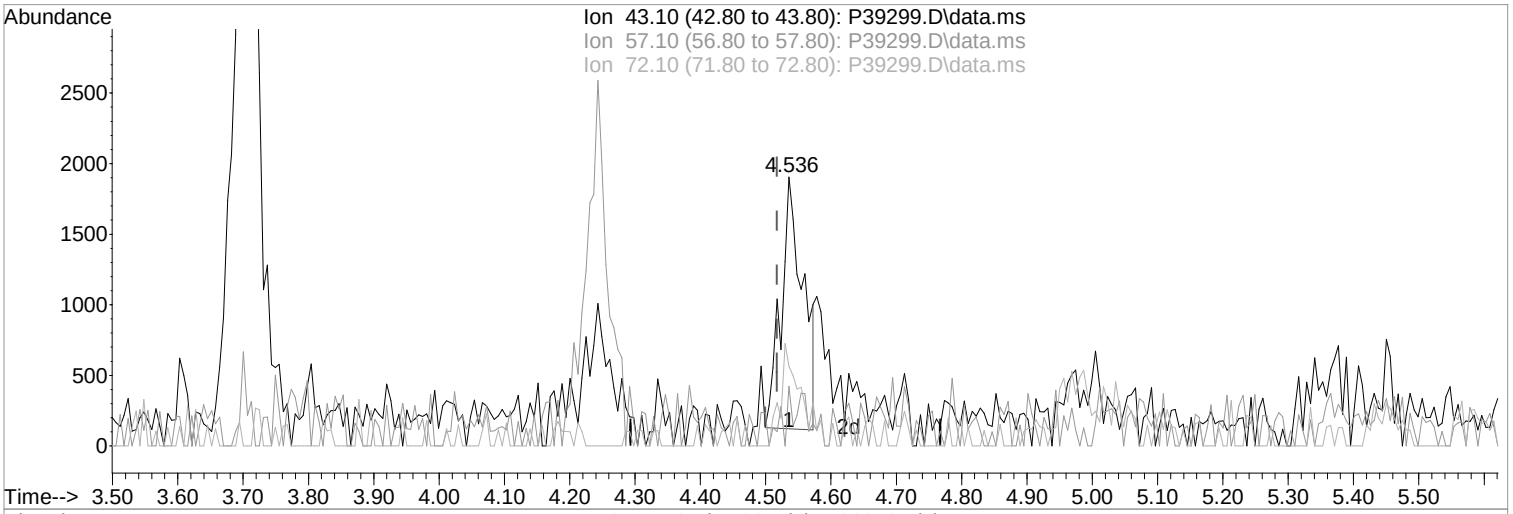
09/05/20

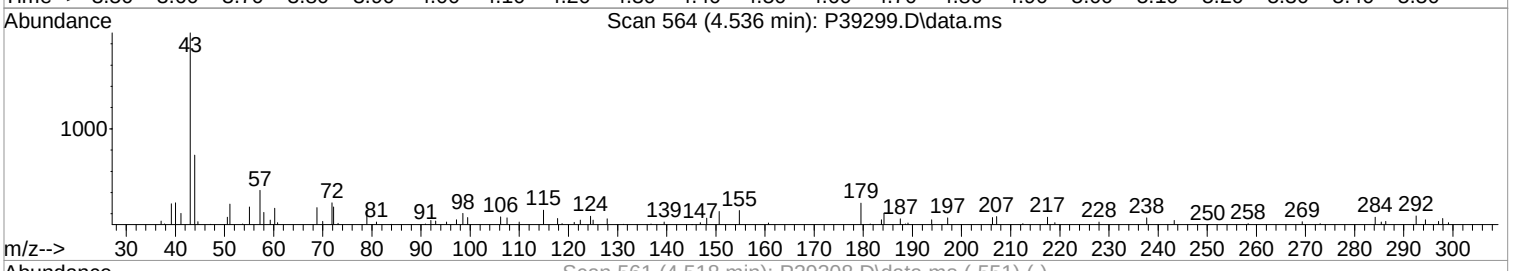
1st 09/05/20
2nd 09/05/20

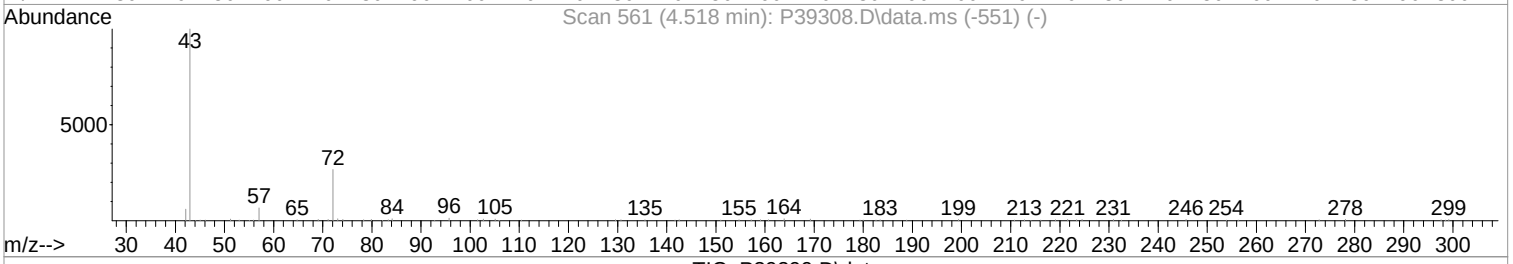
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(35) 2-Butanone (P)

4.536min (+0.018) 2.02 ppb m

response 4155

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	22.15
72.10	28.40	15.85
0.00	0.00	0.00

Manual Integration:

After

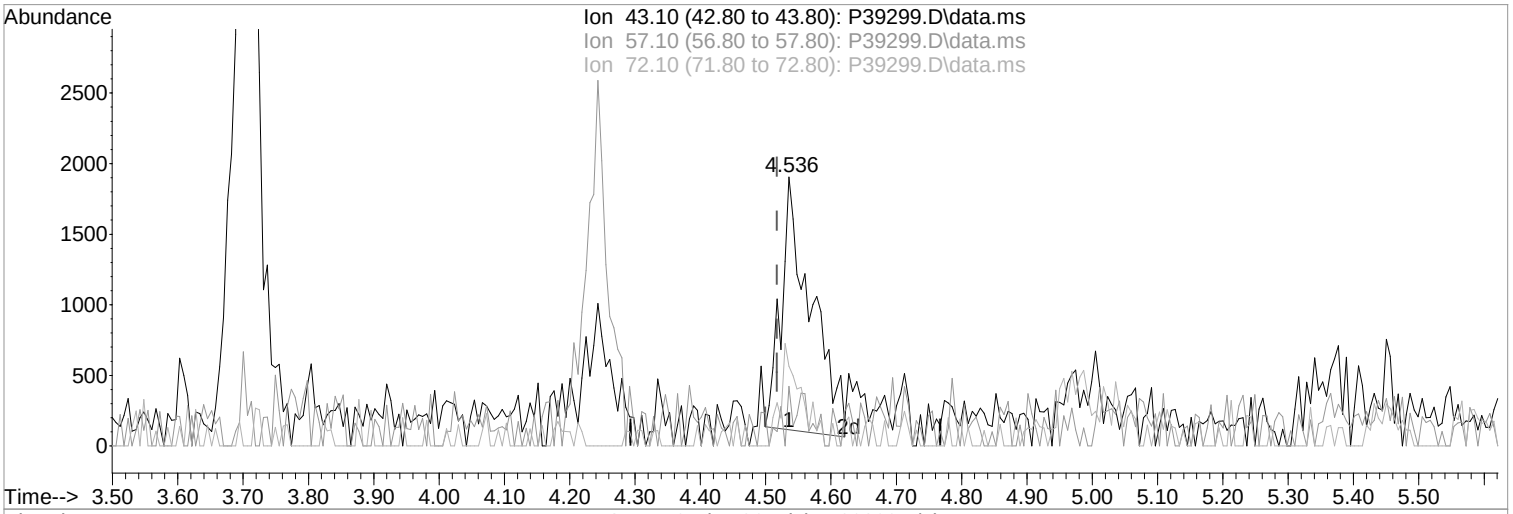
Poor integration.

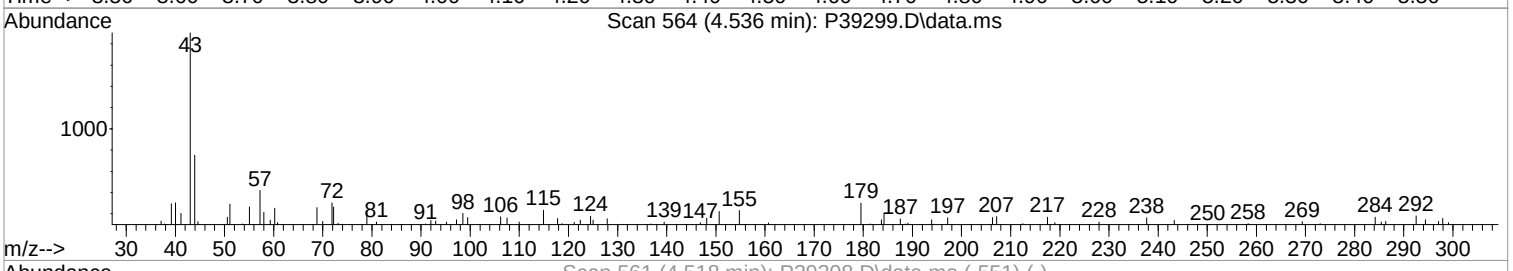
09/05/20

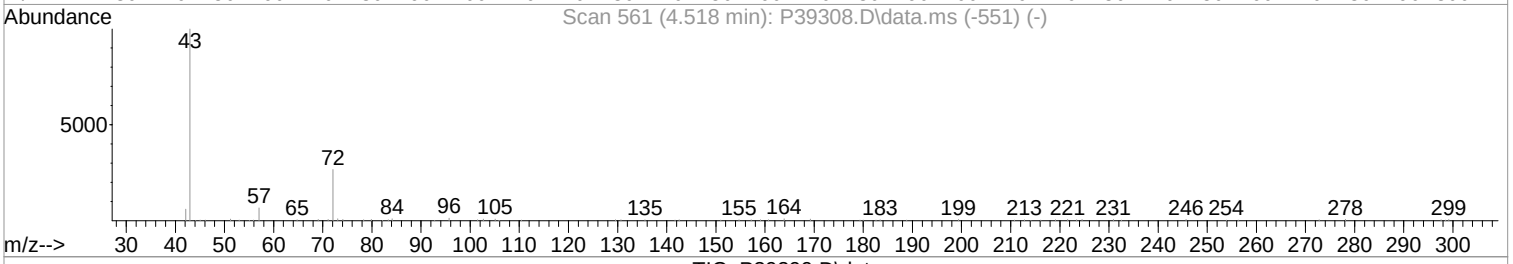
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(35) 2-Butanone (P)

4.536min (+0.018) 2.75 ppb

response 5670

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	22.15
72.10	28.40	29.66
0.00	0.00	0.00

Manual Integration:

Before

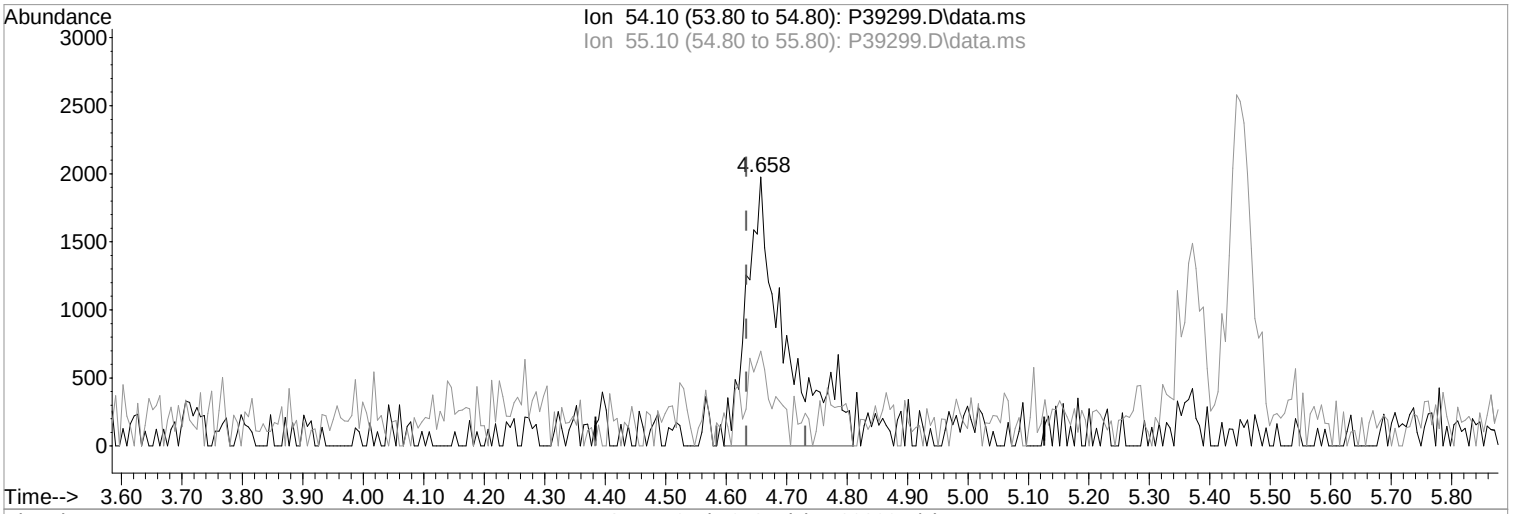
09/05/20

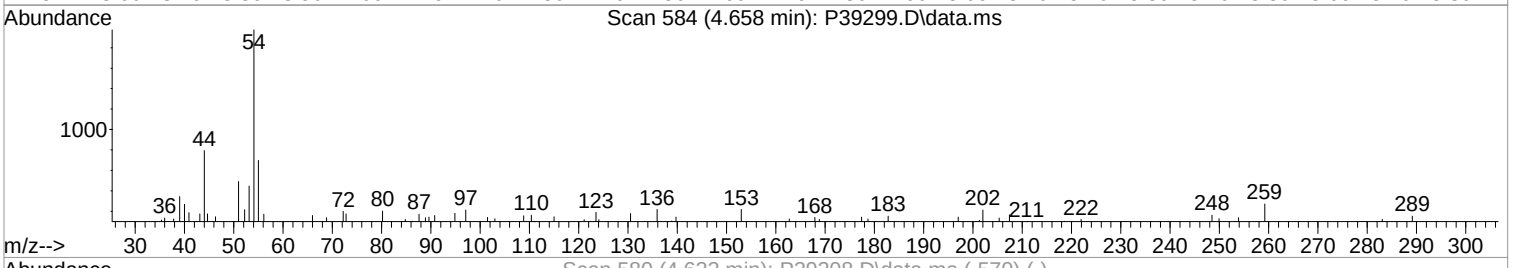
1st 09/05/20
2nd 09/05/20

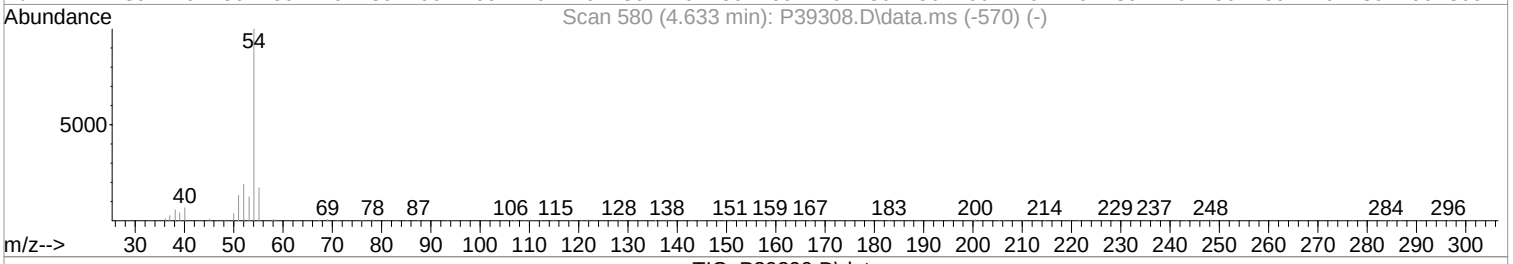
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(36) Propionitrile

4.658min (+0.024) 10.65 ppb m

response 8817

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	35.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

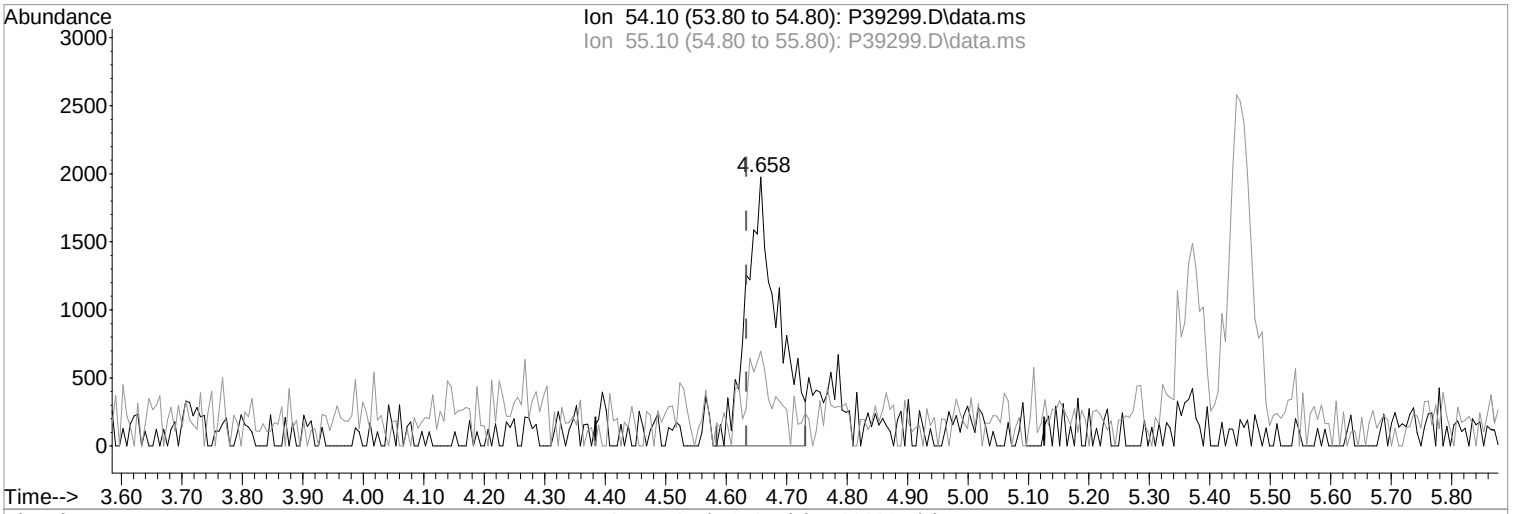
Poor integration.

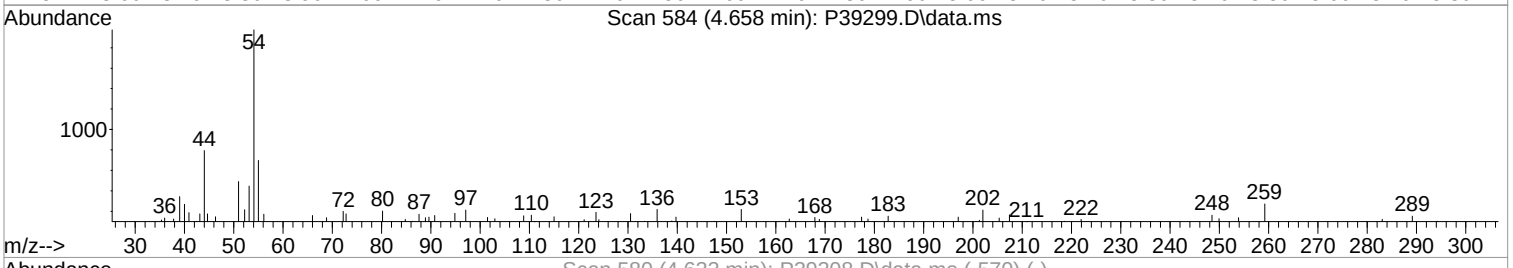
09/05/20

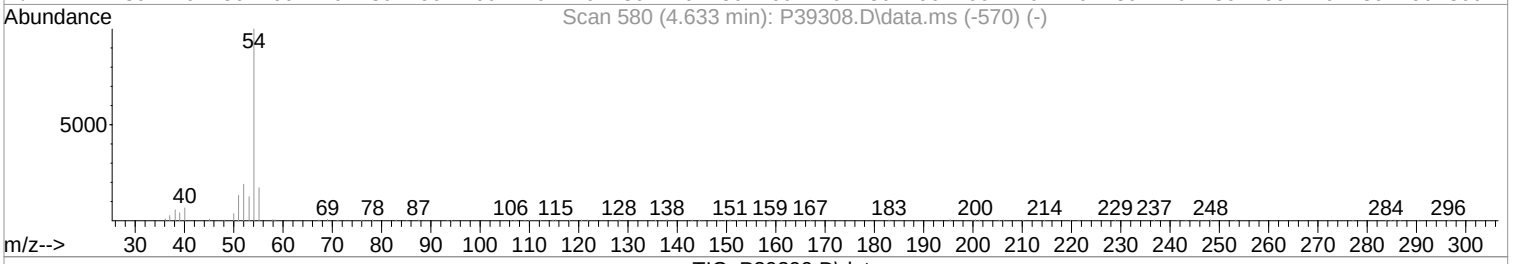
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(36) Propionitrile

4.658min (+0.024) 8.64 ppb

response 7152

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	35.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

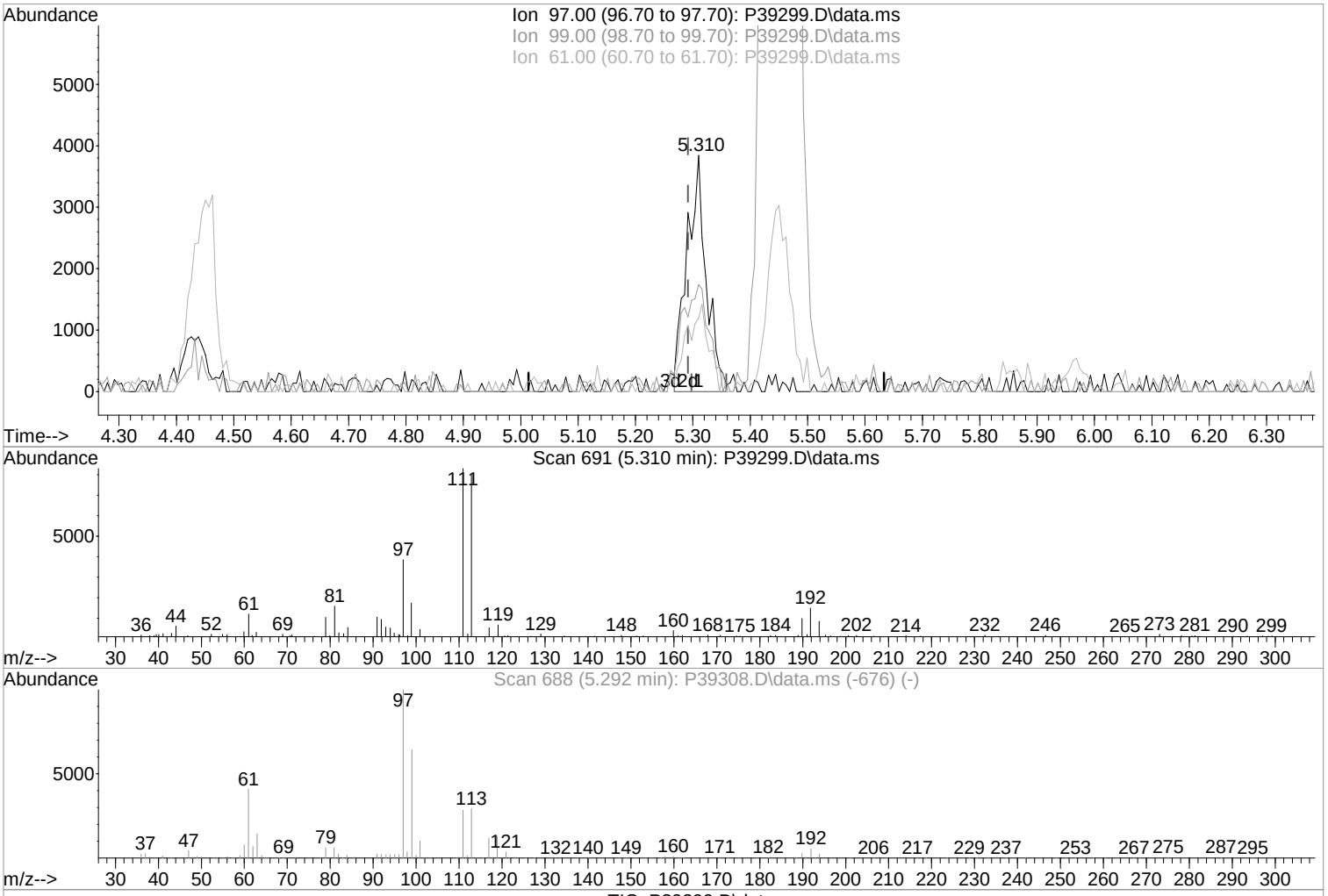
Before

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

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

5.310min (+0.018) 1.83 ppb m

response 9014

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	45.32
61.00	41.10	31.17
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

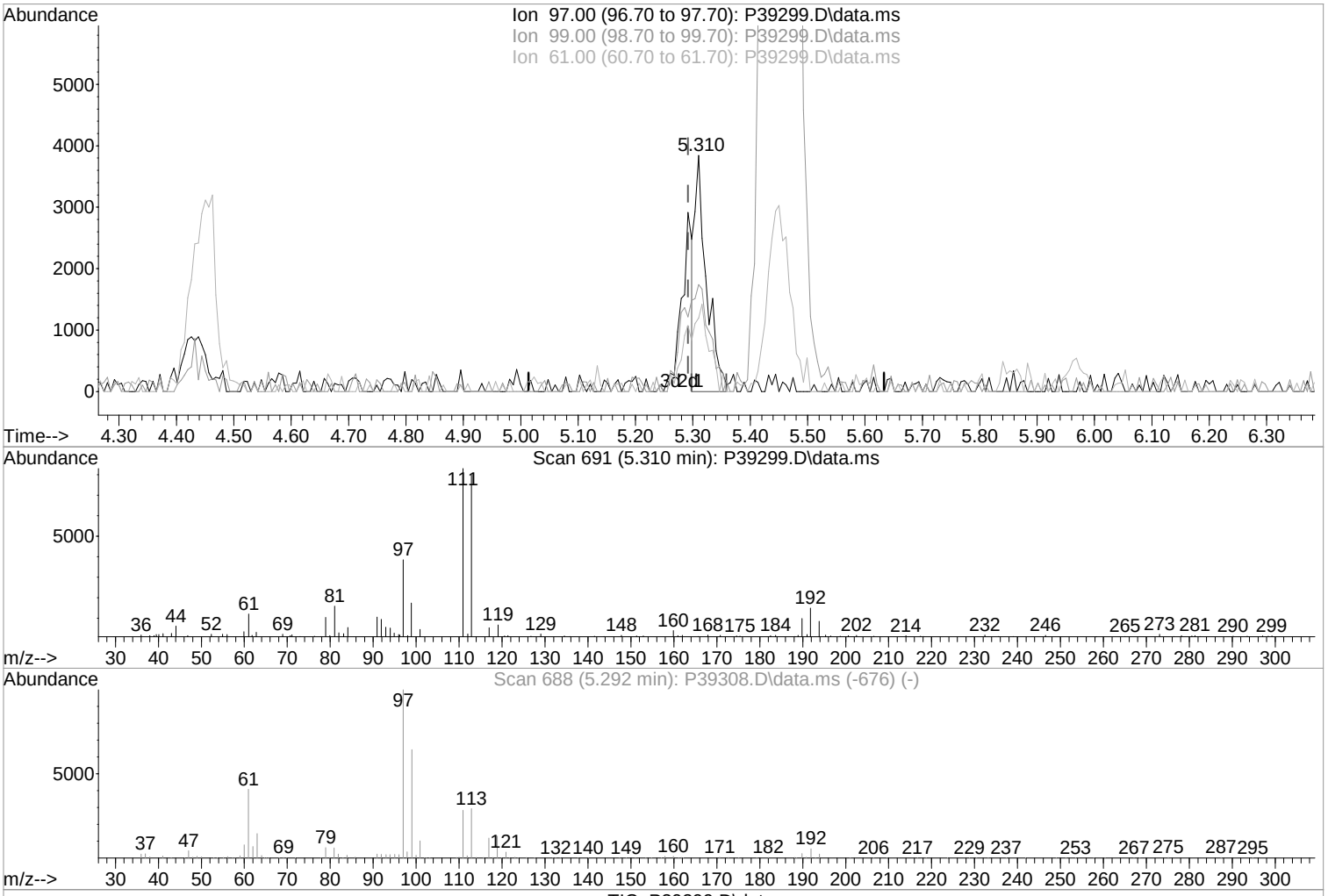
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

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

5.310min (+0.018) 1.13 ppb

response 5555

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	45.32
61.00	41.10	31.17
0.00	0.00	0.00

Manual Integration:

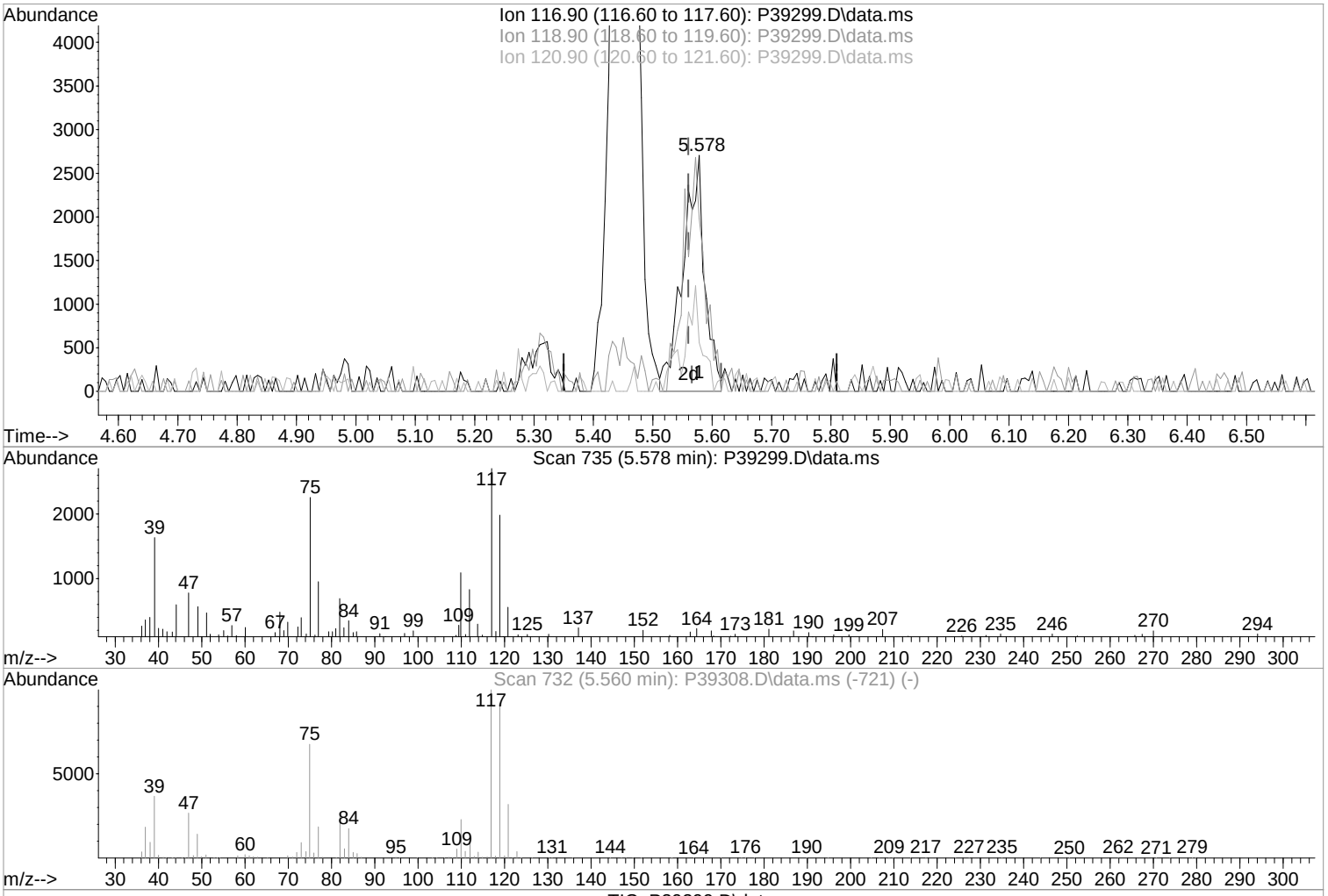
Before

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(46) Carbontetrachloride (P)

5.578min (+0.018) 1.77 ppb m

response 6849

Ion	Exp%	Act%
116.90	100	100
118.90	91.20	73.23
120.90	31.80	20.63
0.00	0.00	0.00

Manual Integration:

After

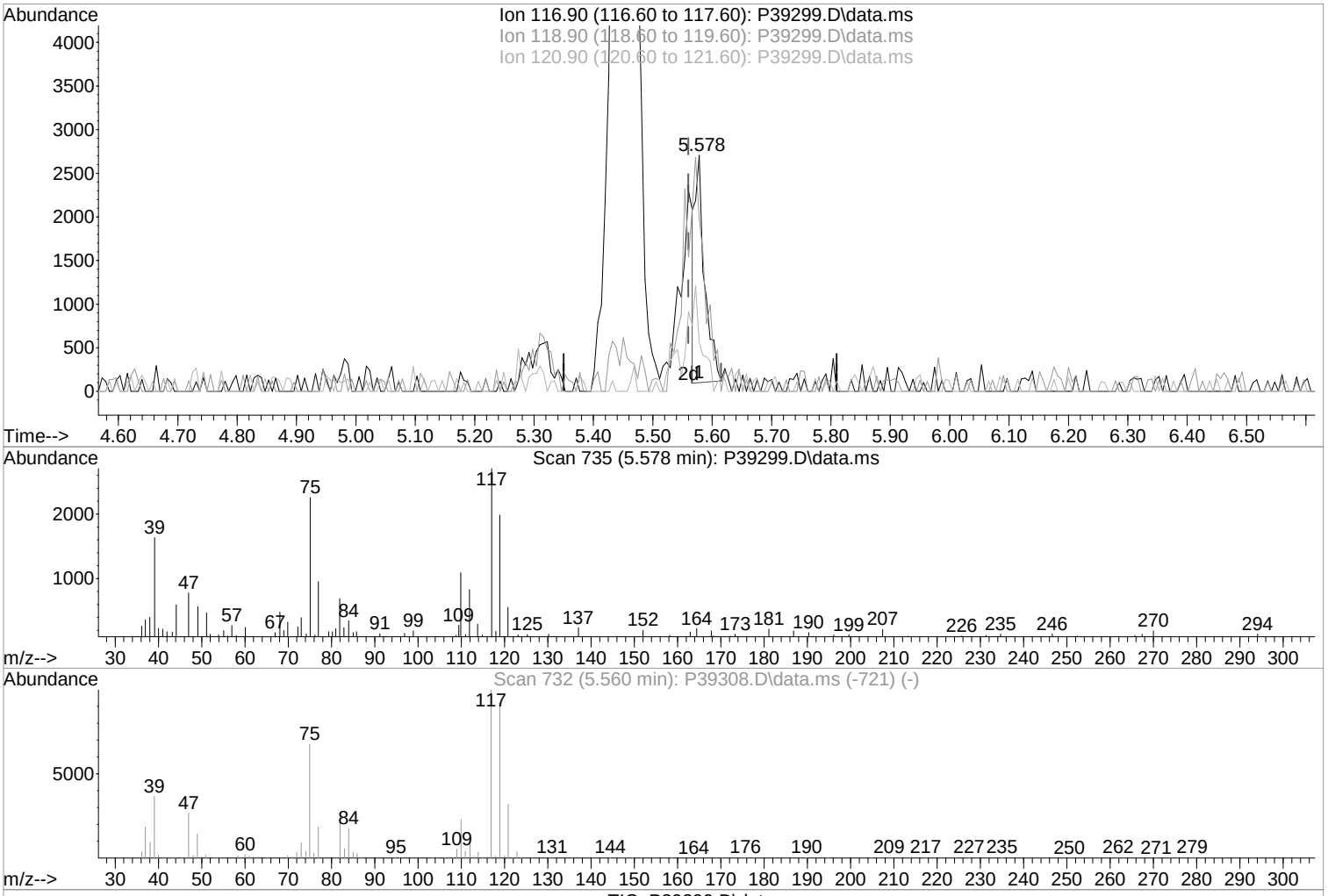
Poor integration.

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(46) Carbontetrachloride (P)

5.578min (+0.018) 0.76 ppb

response 2934

Ion	Exp%	Act%
116.90	100	100
118.90	91.20	73.23
120.90	31.80	20.63
0.00	0.00	0.00

Manual Integration:

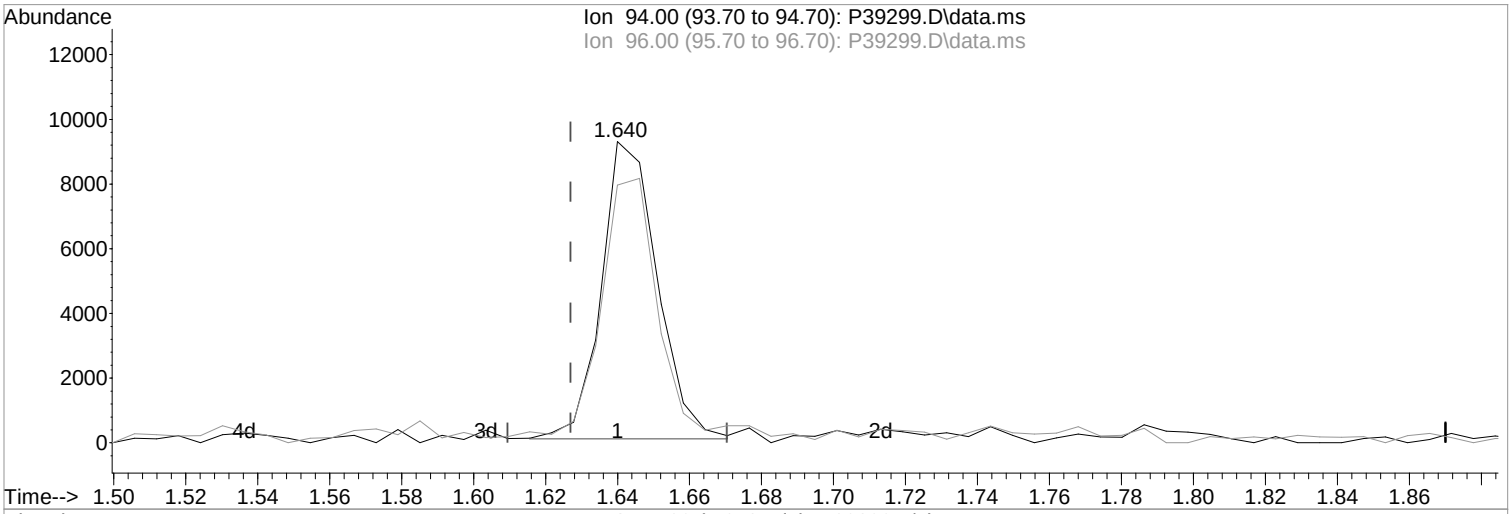
Before

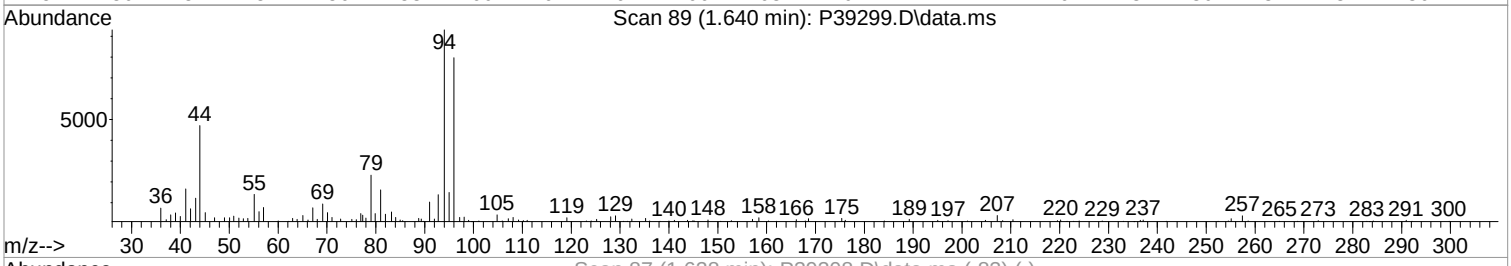
09/05/20

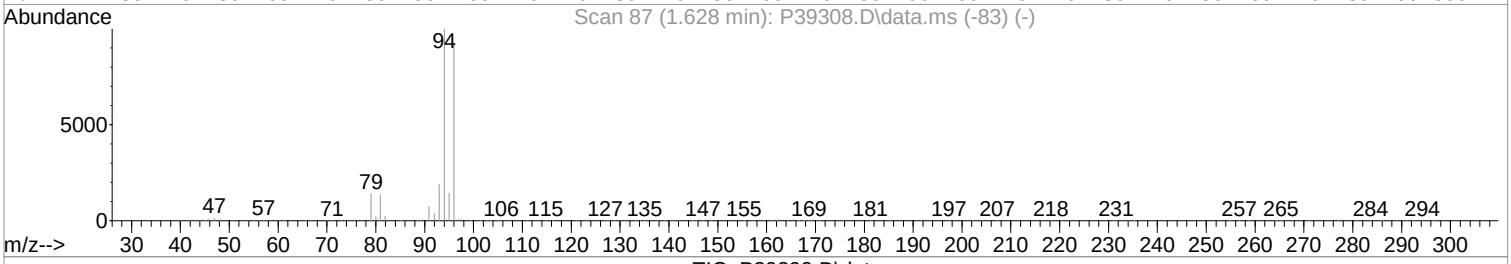
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(5) Bromomethane (P)

1.640min (+0.013) 2.13 ppb m

response 9944

Ion	Exp%	Act%
94.00	100	100
96.00	91.60	85.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

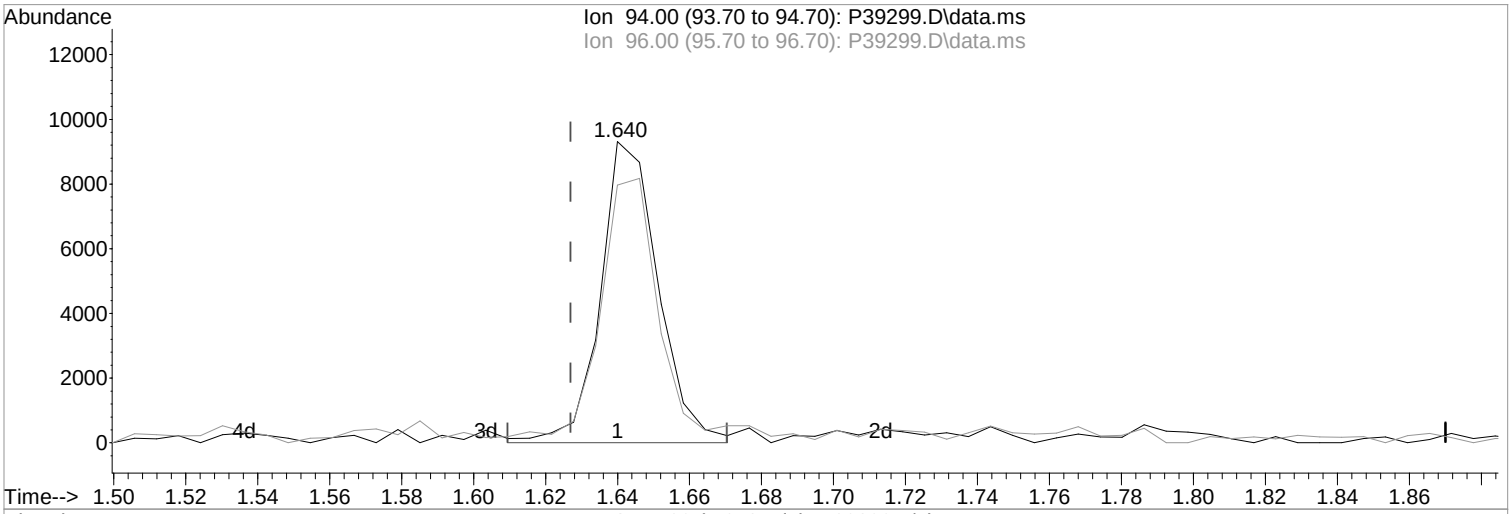
Poor integration.

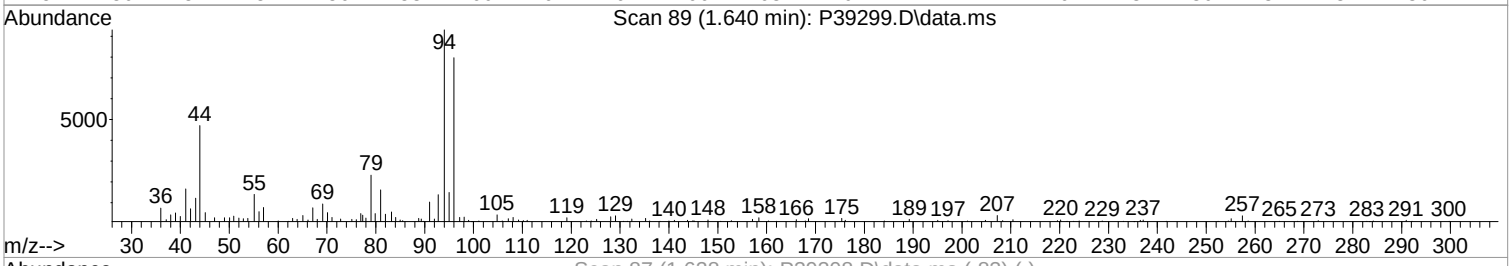
09/05/20

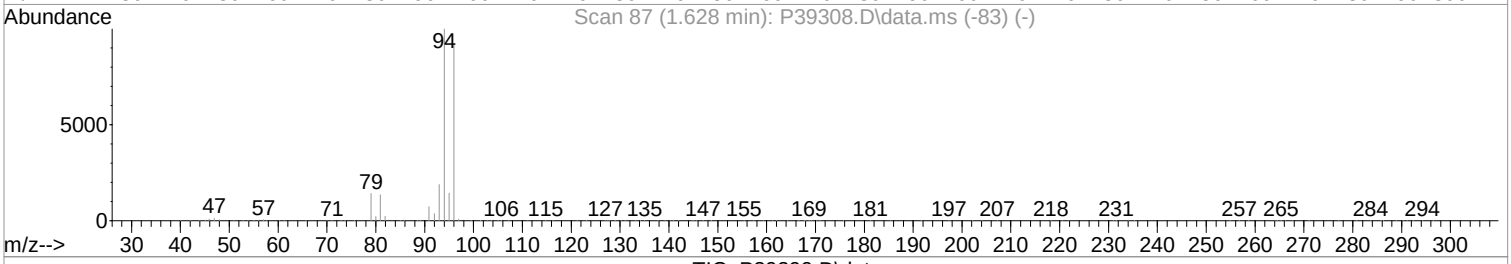
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(5) Bromomethane (P)

1.640min (+0.013) 2.23 ppb

response 10387

Ion	Exp%	Act%
94.00	100	100
96.00	91.60	85.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

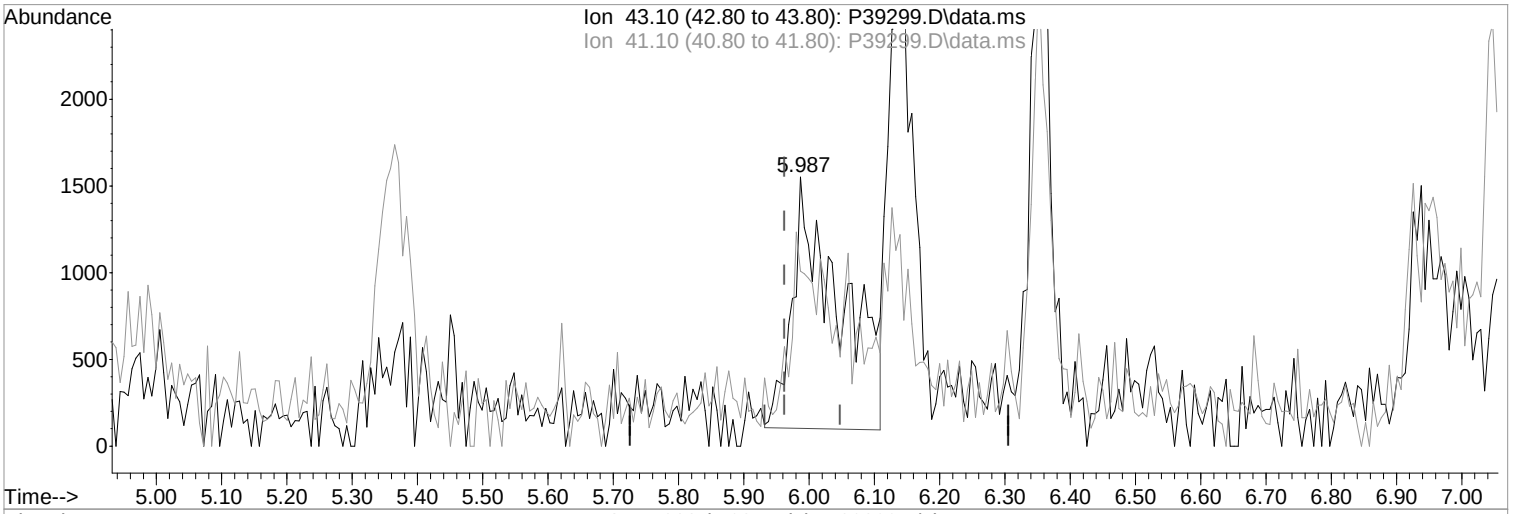
Before

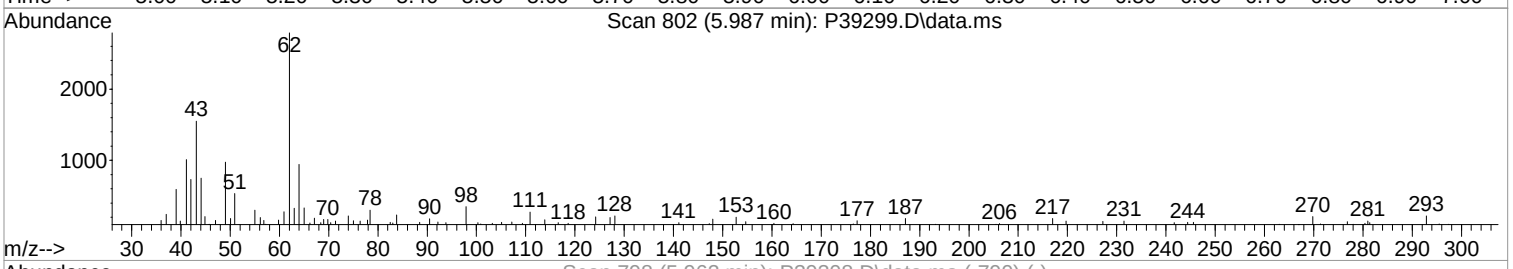
09/05/20

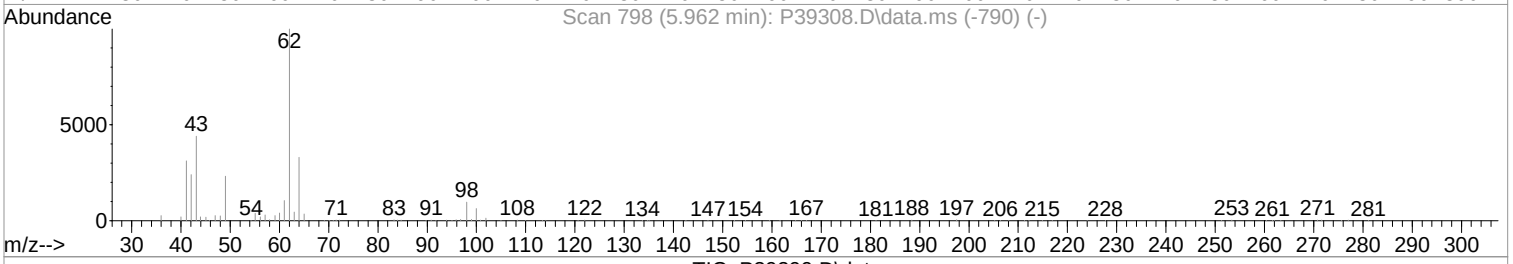
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(51) Iso-Butyl Alcohol

5.987min (+0.024) 36.28 ppb m

response 7370

Ion	Exp%	Act%
43.10	100	100
41.10	71.60	65.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

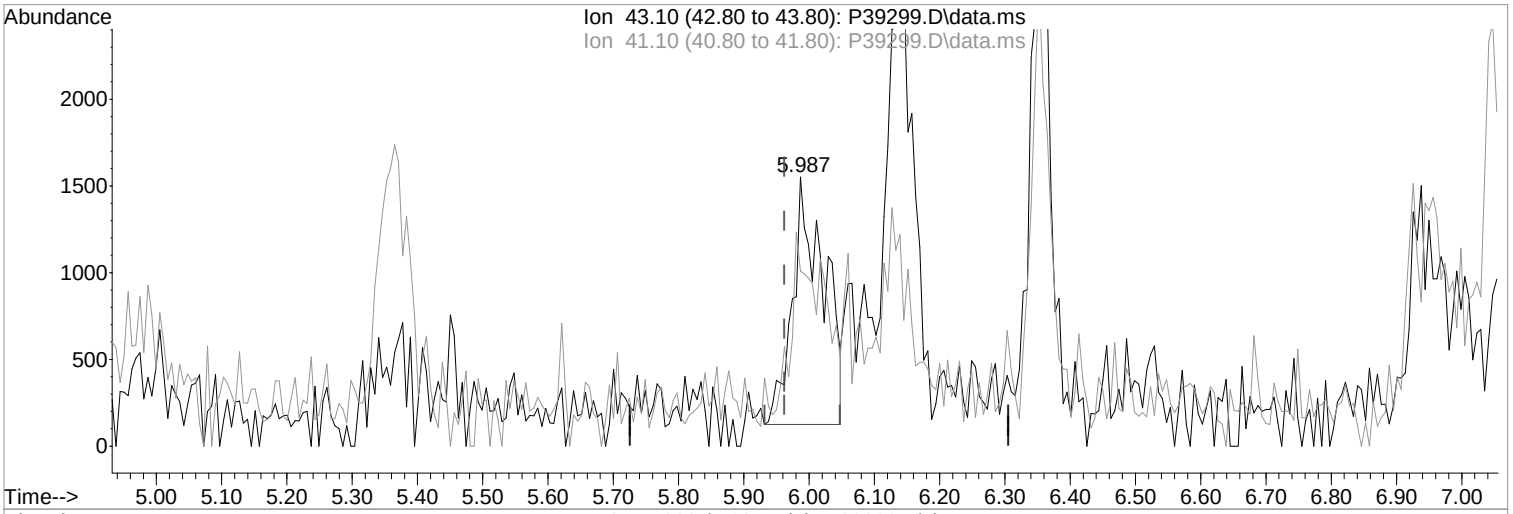
09/05/20

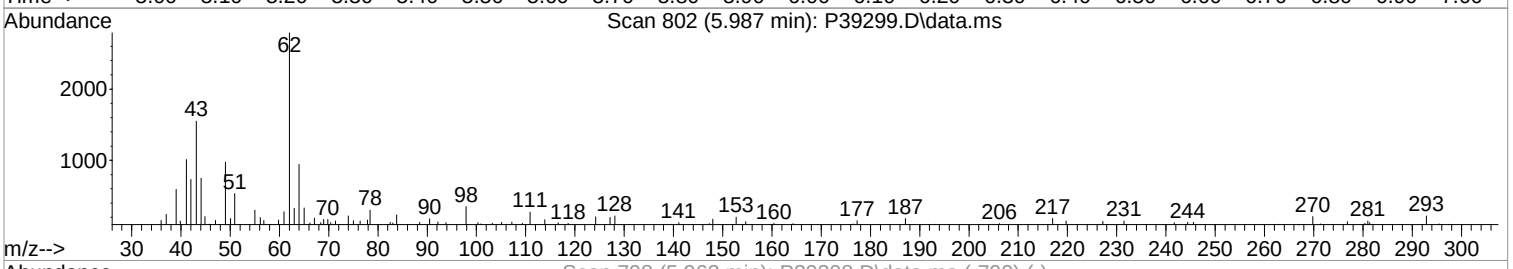
1st 09/05/20
2nd 09/05/20

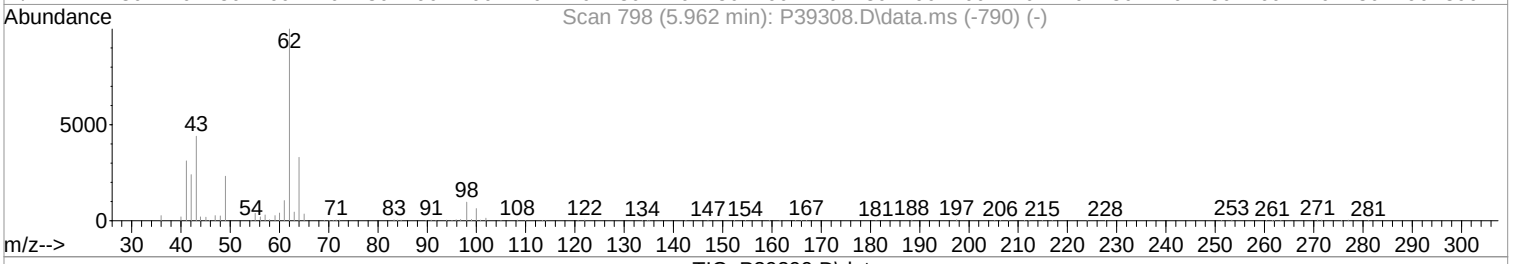
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(51) Iso-Butyl Alcohol

5.987min (+0.024) 23.39 ppb

response 4753

Ion	Exp%	Act%
43.10	100	100
41.10	71.60	65.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

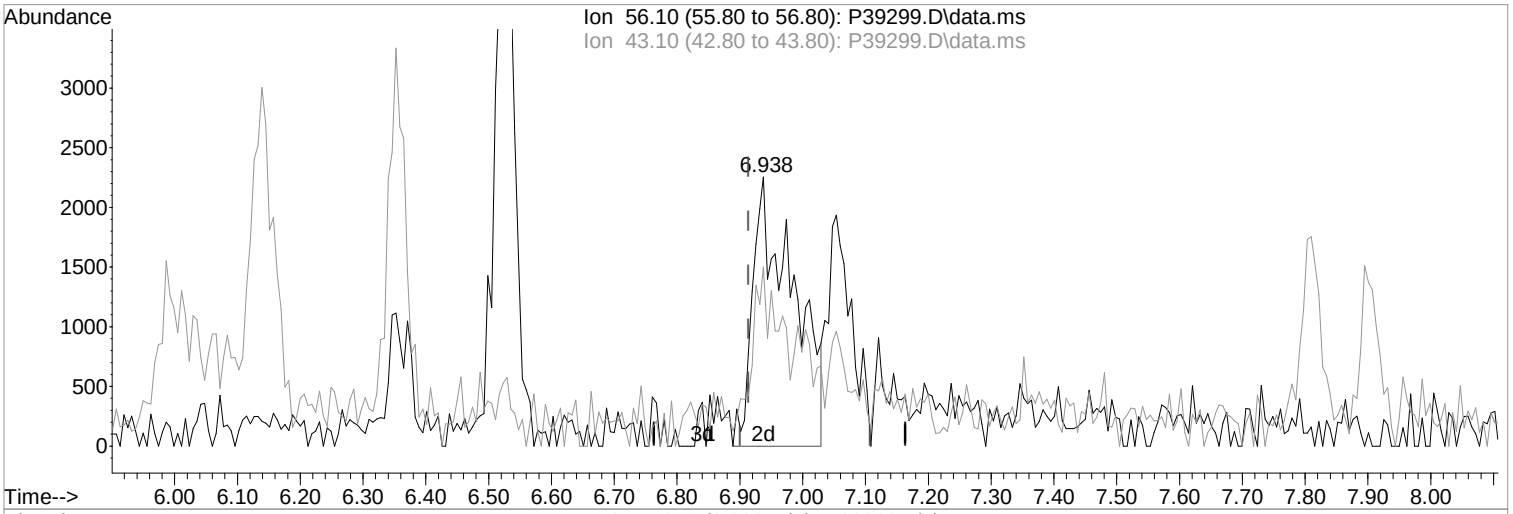
Before

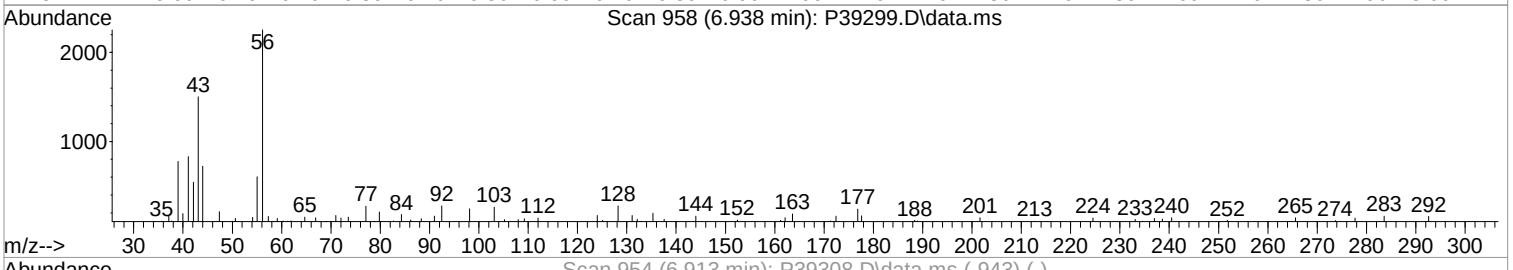
09/05/20

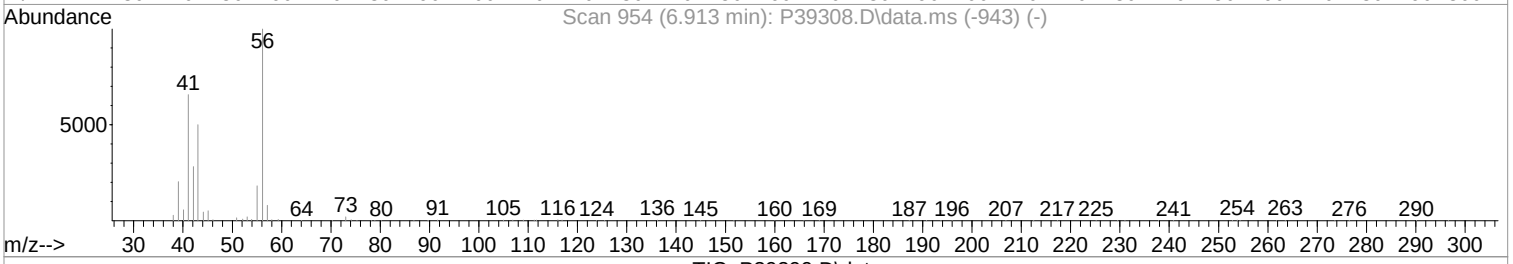
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(53) 1-Butanol

6.938min (+0.024) 69.34 ppb m

response 10113

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	4.80#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

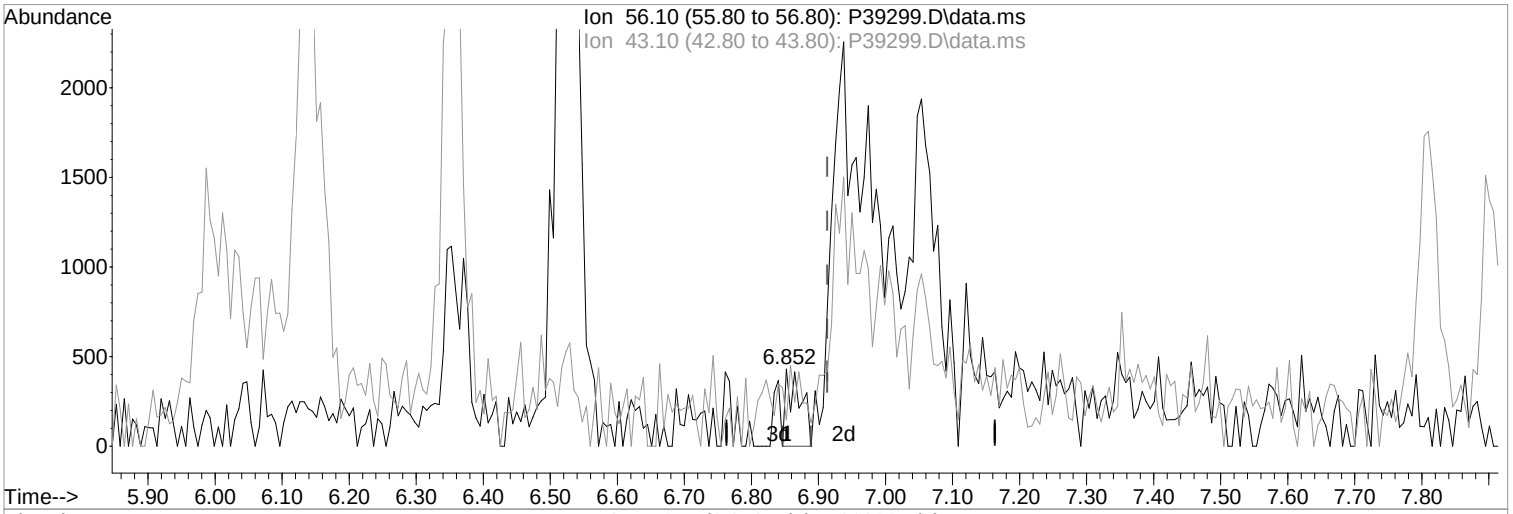
09/05/20

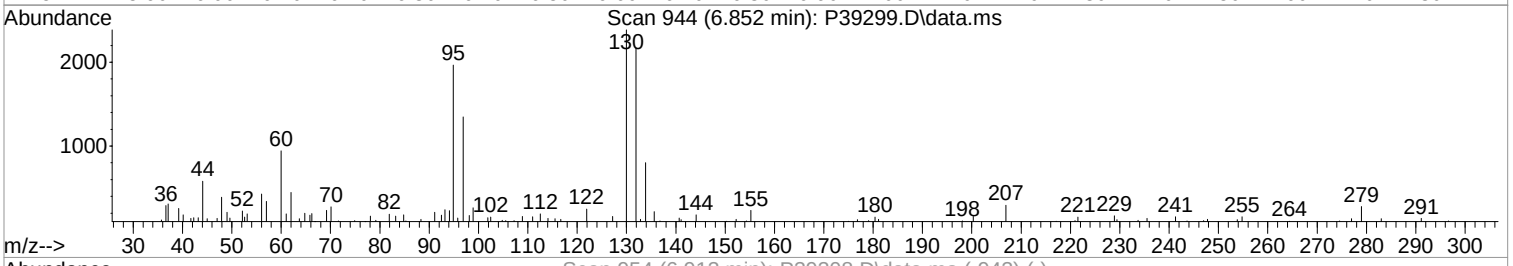
1st 09/05/20
2nd 09/05/20

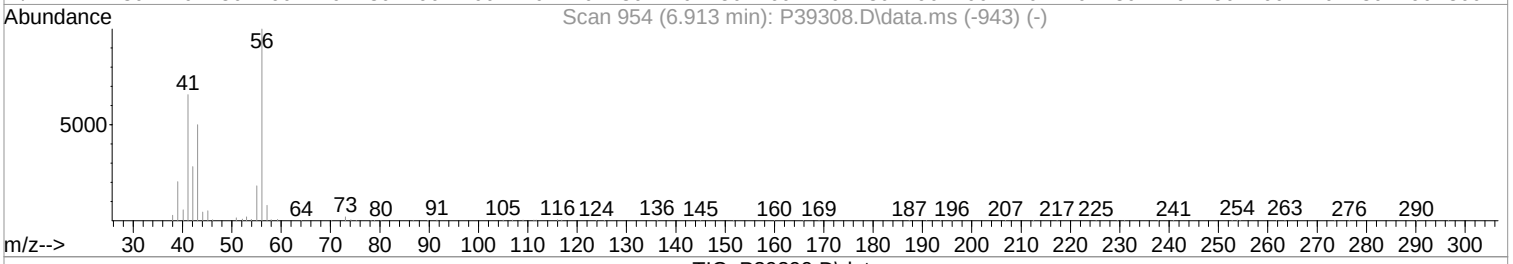
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(53) 1-Butanol

6.852min (-0.061) 4.50 ppb

response 656

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	73.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

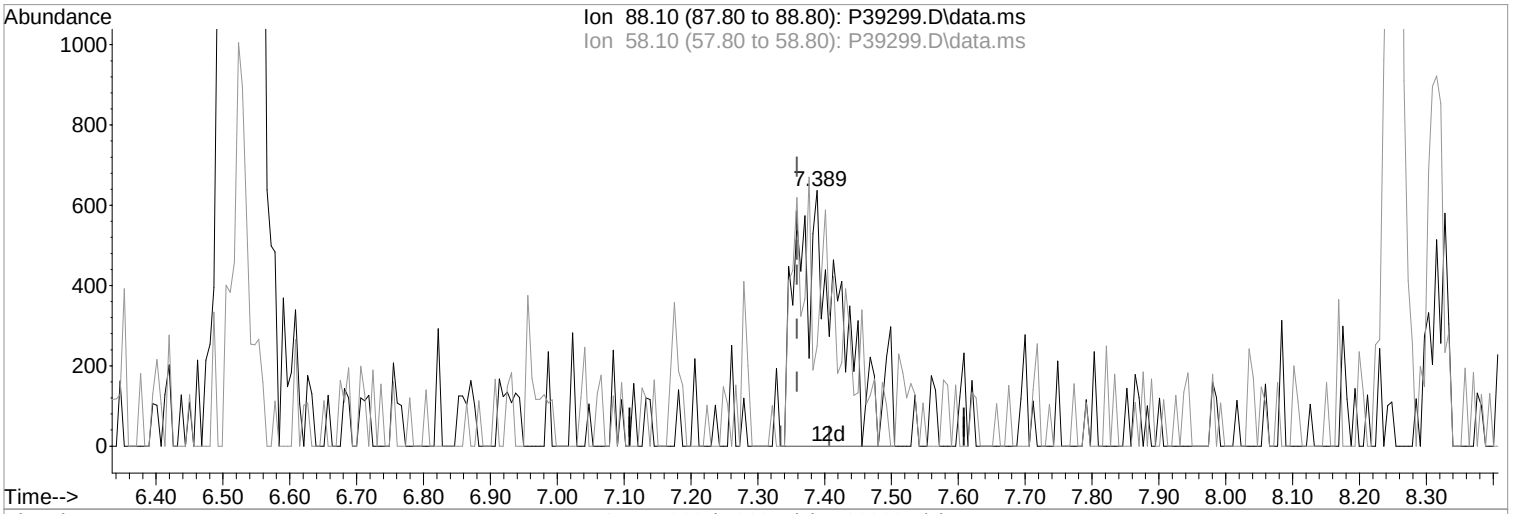
09/05/20

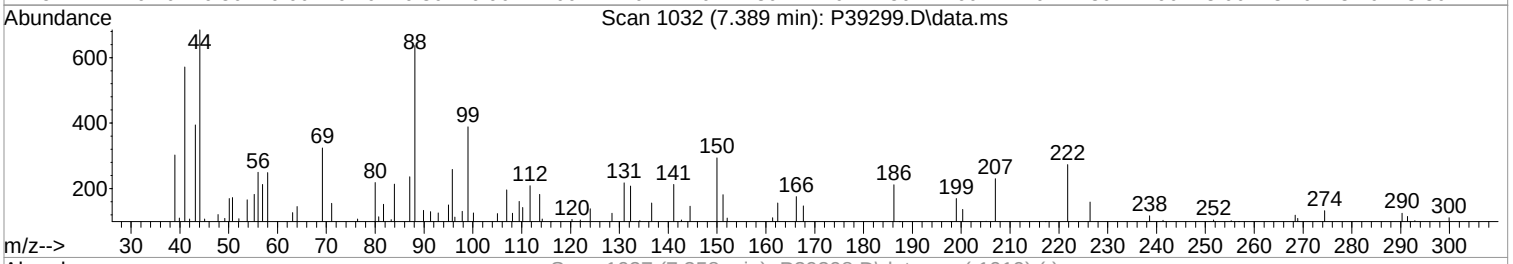
1st 09/05/20
2nd 09/05/20

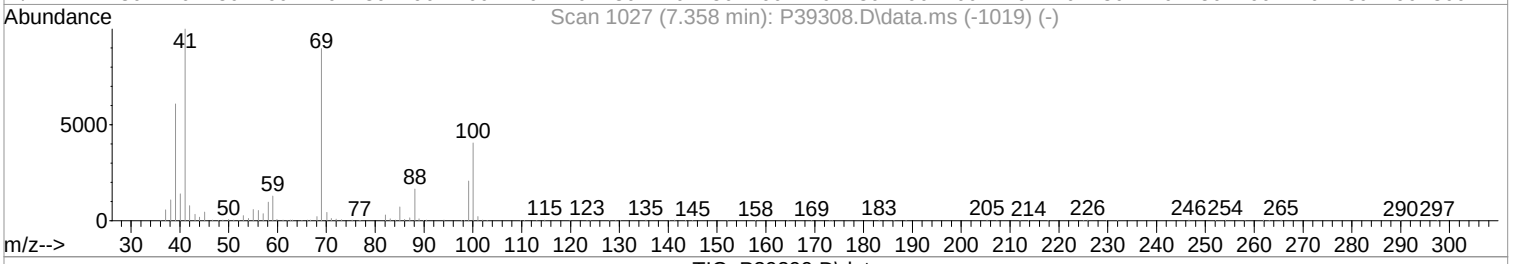
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(58) 1,4-Dioxane

7.389min (+0.030) 38.44 ppb m

response 2992

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	39.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

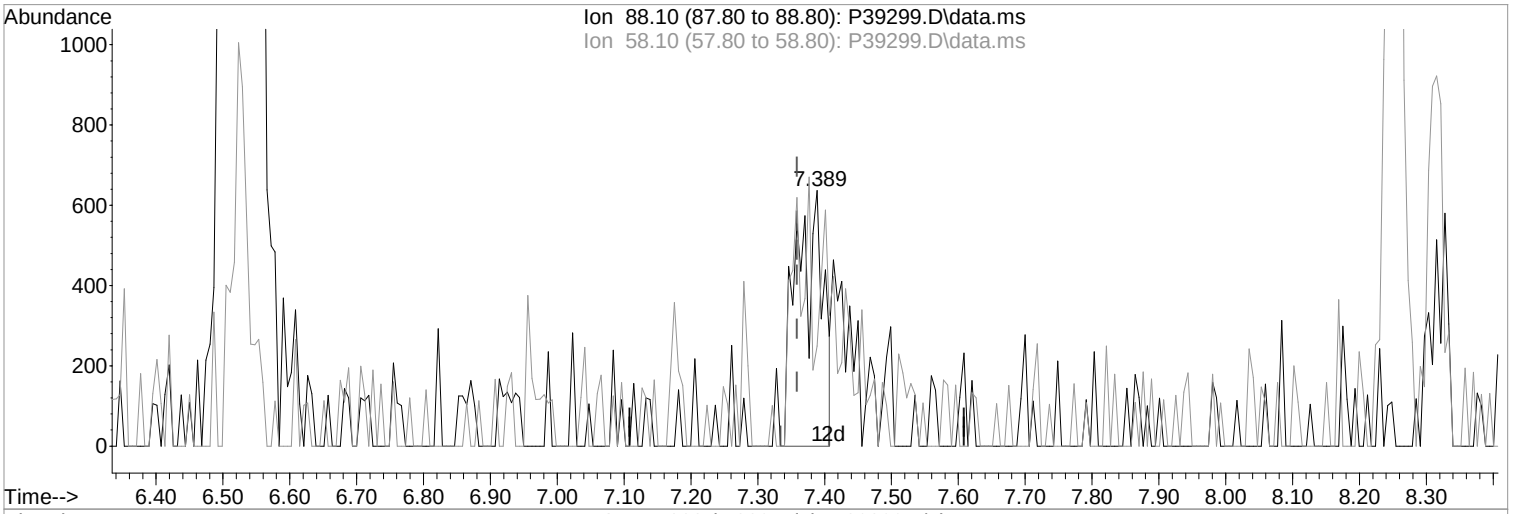
09/05/20

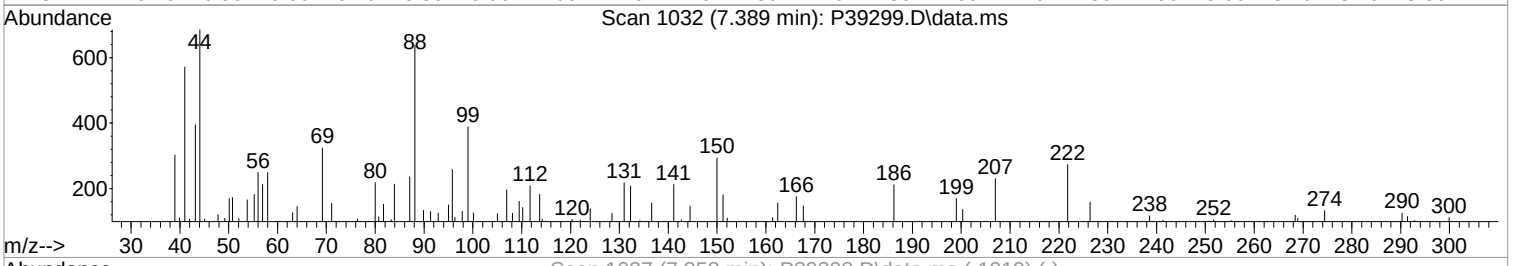
1st 09/05/20
2nd 09/05/20

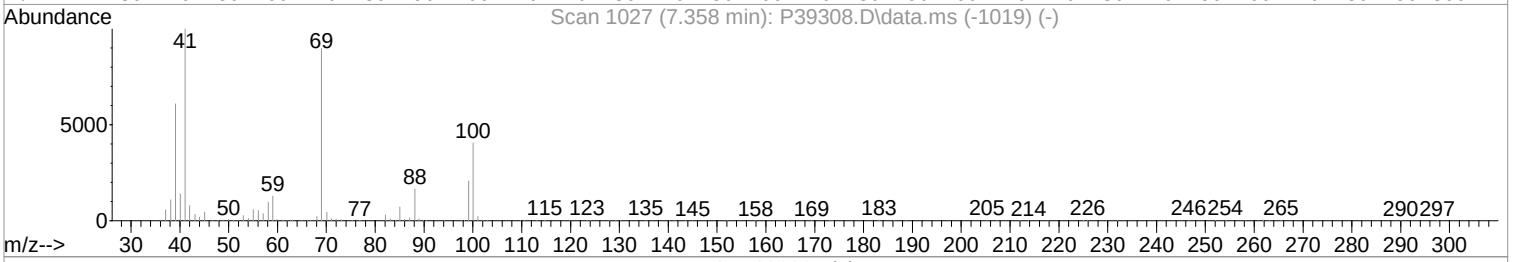
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39299.D\data.ms

(58) 1,4-Dioxane

7.389min (+0.030) 22.46 ppb

response 1748

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	39.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

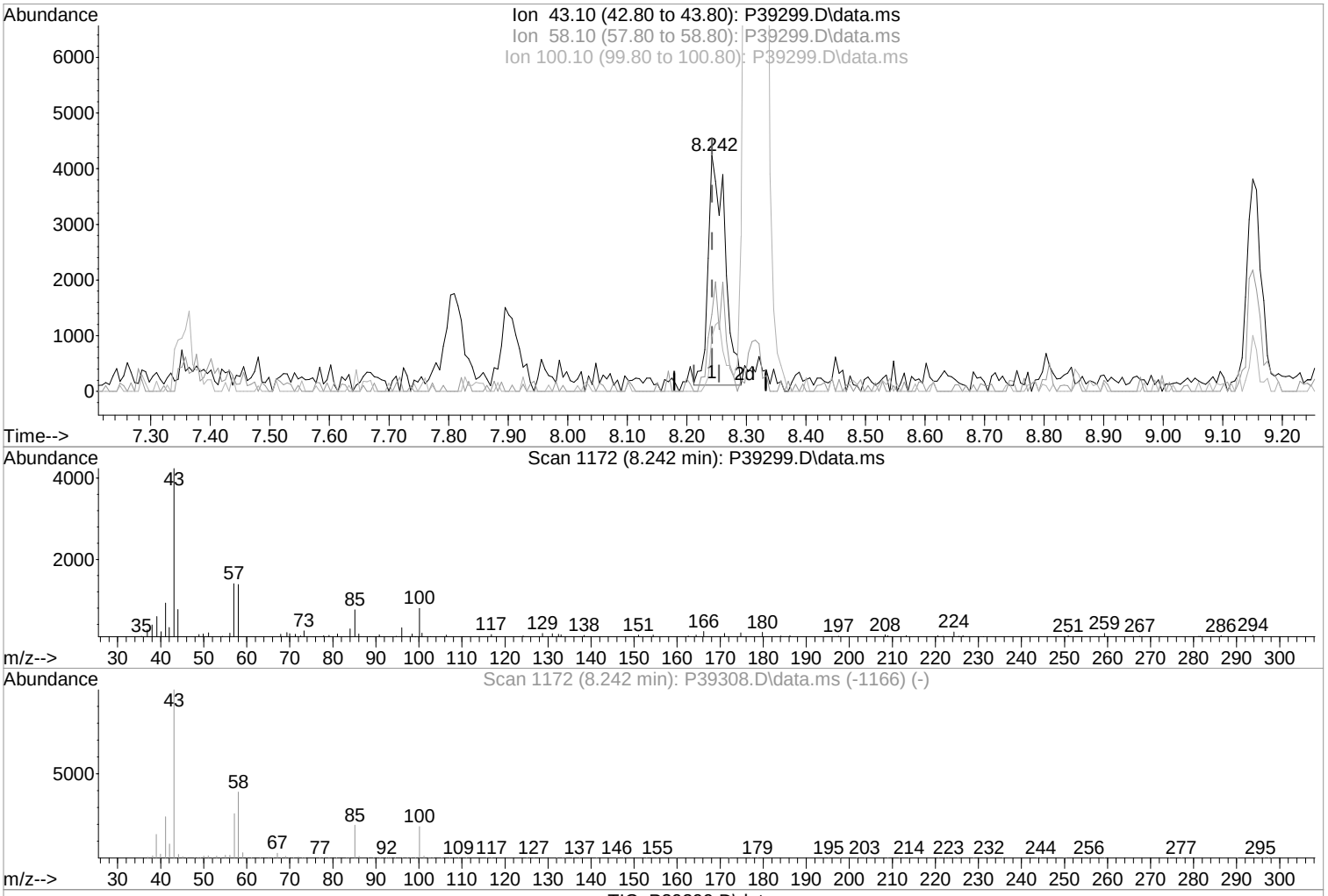
Before

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(64) 4-Methyl-2-pentanone (P)

8.242min (-0.000) 1.85 ppb m

response 8093

Ion	Exp%	Act%
43.10	100	100
58.10	39.10	32.65
100.10	18.50	18.80
0.00	0.00	0.00

Manual Integration:

After

Split Peak

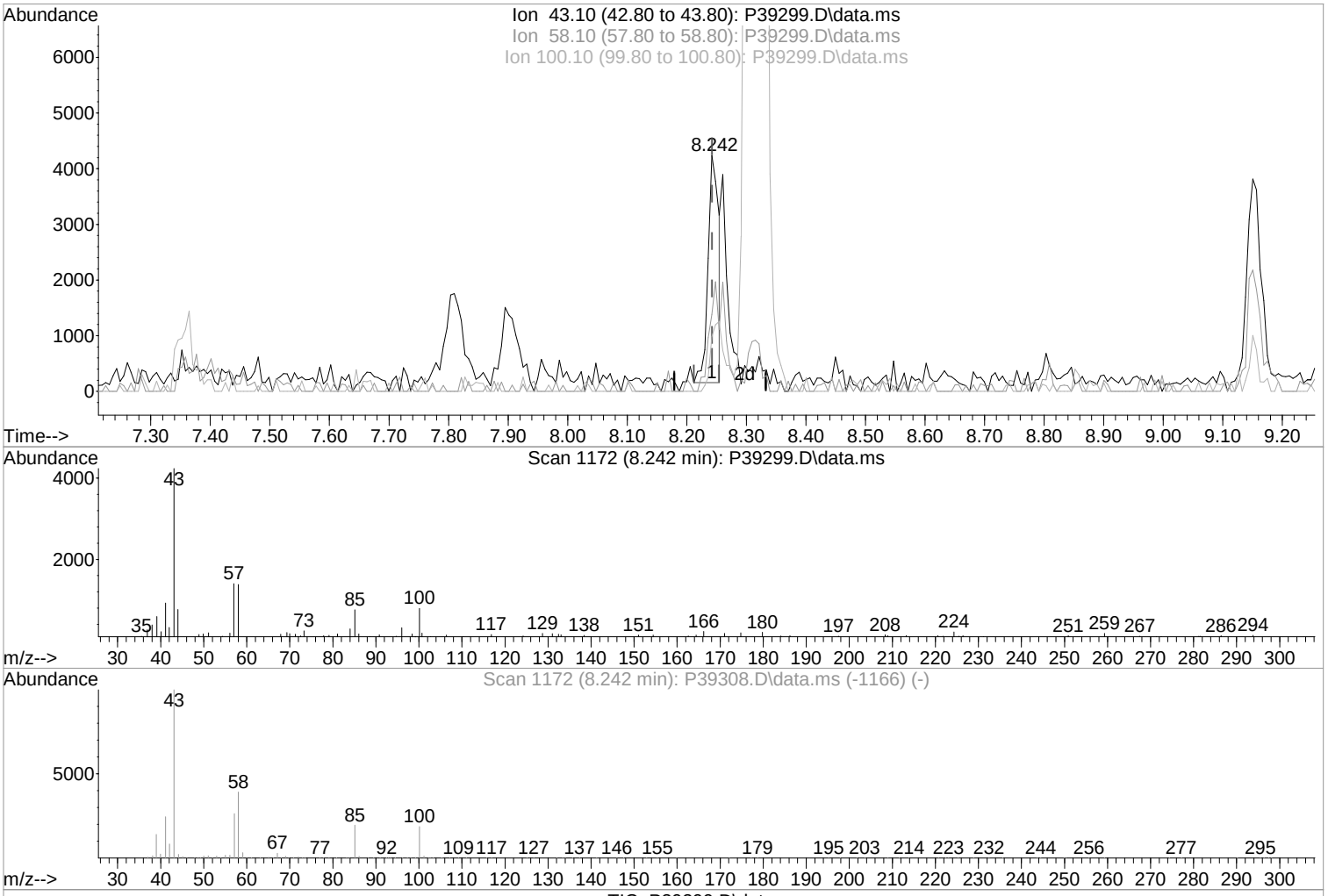
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 17:26:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39299.D\data.ms

(64) 4-Methyl-2-pentanone (P)

8.242min (-0.000) 1.17 ppb

response 5100

Ion	Exp%	Act%
43.10	100	100
58.10	39.10	32.65
100.10	18.50	23.21
0.00	0.00	0.00

Manual Integration:

Before

09/05/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 09:02:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.456	168	317548	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.529	114	485834	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	443210	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	232427	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	30931	10.85	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.70%#				
48) surr1,1,2-dichloroetha...	5.853	65	43159	11.34	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 22.68%#				
65) SURR3,Toluene-d8	8.315	98	146802	11.33	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.66%#				
70) SURR2,BFB	10.864	95	55334	11.01	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.02%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	6781	1.62	ppb		82
3) Chloromethane	1.329	50	8278	1.91	ppb		97
4) Vinyl Chloride	1.402	62	10026	1.89	ppb		90
5) Bromomethane	1.640	94	9944m	2.13	ppb		
6) Chloroethane	1.719	64	6838	1.77	ppb		81
7) Freon 21	1.866	67	10179	1.69	ppb		91
8) Trichlorofluoromethane	1.908	101	8474	1.70	ppb		97
9) Diethyl Ether	2.152	59	5829	2.00	ppb		88
10) Freon 123a	2.152	67	6286	1.86	ppb		88
11) Freon 123	2.207	83	7110	1.79	ppb		81
12) Acrolein	2.268	56	7398	8.82	ppb		82
13) 1,1-Diclethene	2.335	96	4431	1.89	ppb		95
14) Freon 113	2.335	101	5141	1.95	ppb		83
16) 2-Propanol	2.561	45	14372m	37.31	ppb		
17) Iodomethane	2.481	142	1512	0.49	ppb		94
18) Carbon Disulfide	2.530	76	14891	1.85	ppb		98
19) Acetonitrile	2.664	40	1013m	8.36	ppb		
20) Allyl Chloride	2.682	76	3044	1.97	ppb	#	64
21) Methyl Acetate	2.713	43	6190	1.93	ppb		96
22) Methylene Chloride	2.804	84	6003	1.92	ppb		86
23) TBA	2.963	59	27802m	39.05	ppb		
24) Acrylonitrile	3.091	53	15121	8.93	ppb		88
25) Methyl-t-Butyl Ether	3.103	73	19379	1.81	ppb		91
26) trans-1,2-Dichloroethene	3.091	96	5105	1.88	ppb	#	74
28) 1,1-Diclethane	3.603	63	9985	1.92	ppb		97
29) Vinyl Acetate	3.701	86	762	1.29	ppb	#	36
30) DIPE	3.701	45	17659	1.96	ppb	#	76
31) 2-Chloro-1,3-Butadiene	3.713	53	9175	1.86	ppb		80
32) ETBE	4.231	59	16839	1.83	ppb		93
33) 2,2-Dichloropropane	4.432	77	9289m	1.91	ppb		
34) cis-1,2-Dichloroethene	4.456	96	6546	1.99	ppb	#	79
35) 2-Butanone	4.536	43	4155m	2.02	ppb		
36) Propionitrile	4.658	54	8817m	10.65	ppb		
37) Bromochloromethane	4.865	130	3945	1.87	ppb	#	81
38) Methacrylonitrile	4.902	67	4009	2.04	ppb		90
39) Tetrahydrofuran	4.987	42	4582	2.92	ppb		75
40) Chloroform	5.030	83	11542	2.12	ppb		85
41) 1,1,1-Trichloroethane	5.310	97	9014m	1.83	ppb		
42) TAME	6.145	73	20079	2.04	ppb		97

1st 09/05/20
2nd 09/05/20

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 09:02:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Cyclohexane	5.365	41	5119	1.75	ppb		95
46) Carbontetrachloride	5.578	117	6849m	1.77	ppb		
47) 1,1-Dichloropropene	5.584	75	7186	1.73	ppb		90
49) Benzene	5.907	78	23344	1.81	ppb		88
50) 1,2-Dichloroethane	5.974	62	8317	1.80	ppb		95
51) Iso-Butyl Alcohol	5.987	43	7370m	36.28	ppb		
52) n-Heptane	6.352	43	6155	1.67	ppb		85
53) 1-Butanol	6.938	56	10113m	69.34	ppb		
54) Trichloroethene	6.840	130	7016	1.93	ppb		92
55) Methylcyclohexane	7.047	55	6950	1.68	ppb		87
56) 1,2-Diclpropane	7.139	63	6292	1.93	ppb		89
57) Dibromomethane	7.279	93	4332	1.94	ppb		98
58) 1,4-Dioxane	7.389	88	2992m	38.44	ppb		
59) Methyl Methacrylate	7.352	69	5831	1.81	ppb		91
60) Bromodichloromethane	7.499	83	7772	1.81	ppb		74
62) 2-Chloroethylvinyl Ether	7.901	63	4245	2.03	ppb		85
63) cis-1,3-Dichloropropene	8.035	75	9000	1.74	ppb		87
64) 4-Methyl-2-pentanone	8.242	43	8093m	1.85	ppb		
66) Toluene	8.389	91	27902	1.90	ppb		83
67) trans-1,3-Dichloropropene	8.675	75	9125	1.83	ppb		90
68) Ethyl Methacrylate	8.797	69	10229	1.85	ppb		83
69) 1,1,2-Trichloroethane	8.858	97	6450	2.01	ppb	#	80
72) Tetrachloroethene	8.968	164	5089	1.87	ppb		90
73) 2-Hexanone	9.151	43	6781	2.08	ppb		92
74) 1,3-Dichloropropane	9.029	76	10661	1.88	ppb		93
75) Dibromochloromethane	9.248	129	5252	1.73	ppb		97
76) N-Butyl Acetate	9.297	43	12899	1.94	ppb		83
77) 1,2-Dibromoethane	9.346	107	6316	1.85	ppb		93
78) Chlorobenzene	9.827	112	16419	1.76	ppb		90
79) 3-CBTF	9.840	180	9689	1.90	ppb		88
80) 4-CBTF	9.894	180	8138	1.82	ppb		83
81) 1,1,1,2-Tetrachloroethane	9.913	131	5457	1.70	ppb		86
82) Ethylbenzene	9.937	106	9419	1.83	ppb	#	88
83) (m+p)Xylene	10.047	106	21547	3.47	ppb		98
84) o-Xylene	10.407	106	11890	1.91	ppb	#	80
85) Styrene	10.425	104	17555	1.67	ppb		97
87) Bromoform	10.583	173	3819	1.88	ppb		84
88) 2-CBTF	10.656	180	9082	1.89	ppb	#	87
89) Isopropylbenzene	10.736	105	28871	1.88	ppb		97
90) Cyclohexanone	10.827	55	32470	38.23	ppb		91
91) trans-1,4-Dichloro-2-B...	11.059	53	2373	1.88	ppb	#	65
92) 1,1,2,2-Tetrachloroethane	11.016	83	7166	1.65	ppb		99
93) Bromobenzene	10.992	156	7304	1.77	ppb		95
94) 1,2,3-Trichloropropane	11.041	110	3221	1.91	ppb	#	62
95) n-Propylbenzene	11.089	91	31941	1.82	ppb		95
96) 2-Chlorotoluene	11.156	91	19698	1.72	ppb		97
97) 3-Chlorotoluene	11.211	91	21926	1.95	ppb		96
98) 4-Chlorotoluene	11.254	91	24649	1.90	ppb		91
99) 1,3,5-Trimethylbenzene	11.242	105	25707	1.92	ppb		91
100) tert-Butylbenzene	11.516	119	20576	1.81	ppb		95
101) 1,2,4-Trimethylbenzene	11.553	105	24273	1.83	ppb		99
102) 3,4-DCBTF	11.614	214	7716	1.97	ppb		94
103) sec-Butylbenzene	11.693	105	28988	1.79	ppb		97
104) p-Isopropyltoluene	11.815	119	24299	1.74	ppb		90
105) 1,3-Dclbenz	11.784	146	14708	1.89	ppb		96
106) 1,4-Dclbenz	11.851	146	15635	1.90	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 05 09:02:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
107) 2,4-DCBTF	11.906	214	6131m	1.76	ppb		
108) 2,5-DCBTF	11.949	214	7404	1.84	ppb	#	81
109) n-Butylbenzene	12.144	91	20981	1.67	ppb		96
110) 1,2-Dclbenz	12.156	146	14614	1.82	ppb		99
111) 1,2-Dibromo-3-chloropr...	12.784	157	1701	1.35	ppb		82
112) Trielution Dichlorotol...	12.894	125	37690	5.24	ppb		95
113) 1,3,5 Trichlorobenzene	12.943	180	9909	1.66	ppb		85
114) Coelution Dichlorotoluene	13.223	125	27879	3.58	ppb	#	89
115) 1,2,4-Tcbenzene	13.430	180	10631	1.75	ppb		98
116) Hexachlorobt	13.558	225	4098	1.71	ppb		92
117) Naphthalen	13.625	128	34111	1.83	ppb		97
118) 1,2,3-Tclbenzene	13.808	180	10610	1.73	ppb		97
119) 2,4,5-Trichlorotolene	14.387	159	8076m	1.82	ppb		
120) 2,3,6-Trichlorotoluene	14.473	159	6767	1.70	ppb		91

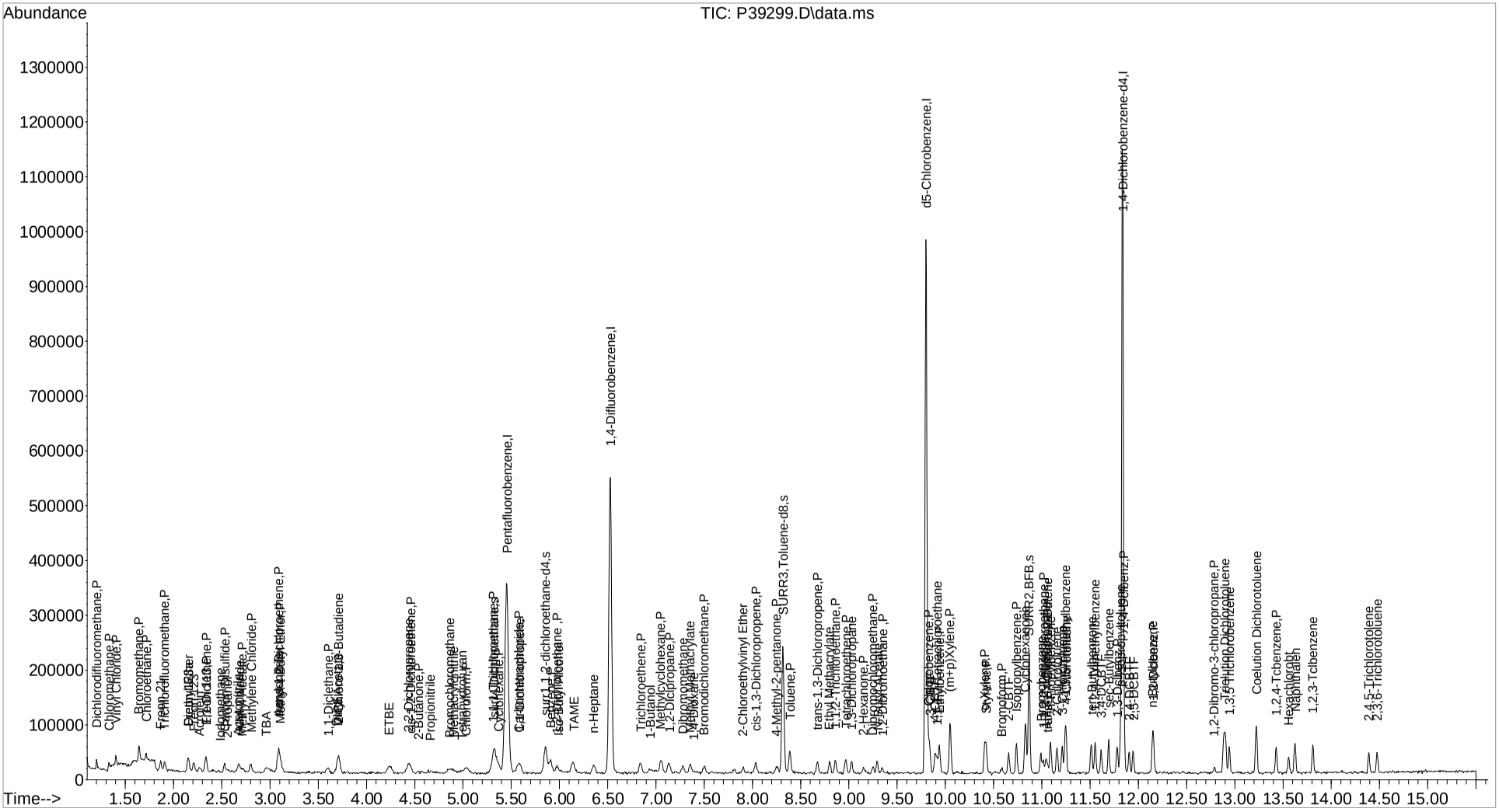
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39299.D
Acq On : 4 Sep 2020 12:57 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

1st 09/05/20
2nd 09/05/20

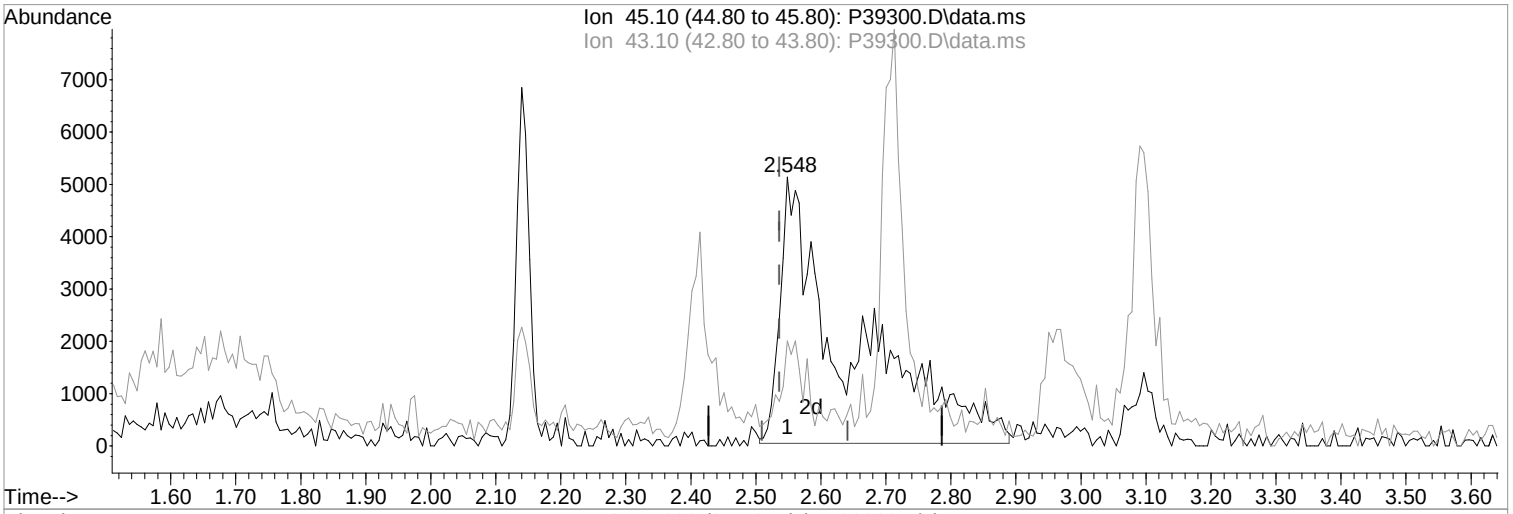
Quant Time: Sep 05 09:02:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

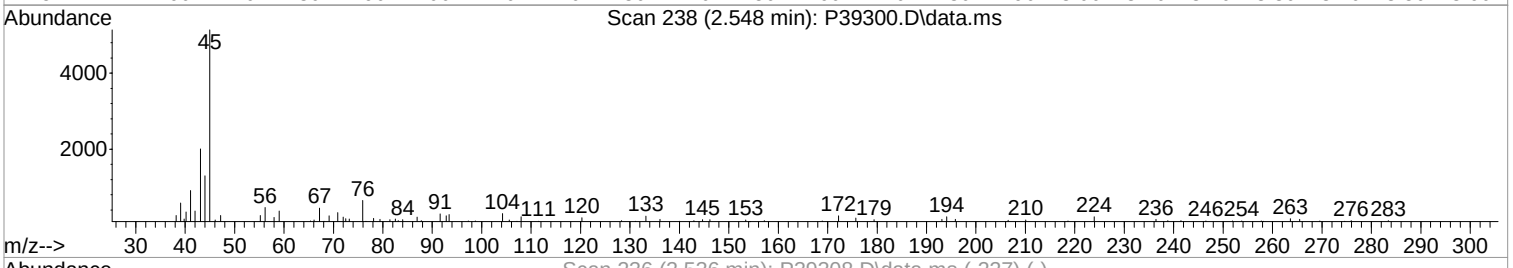


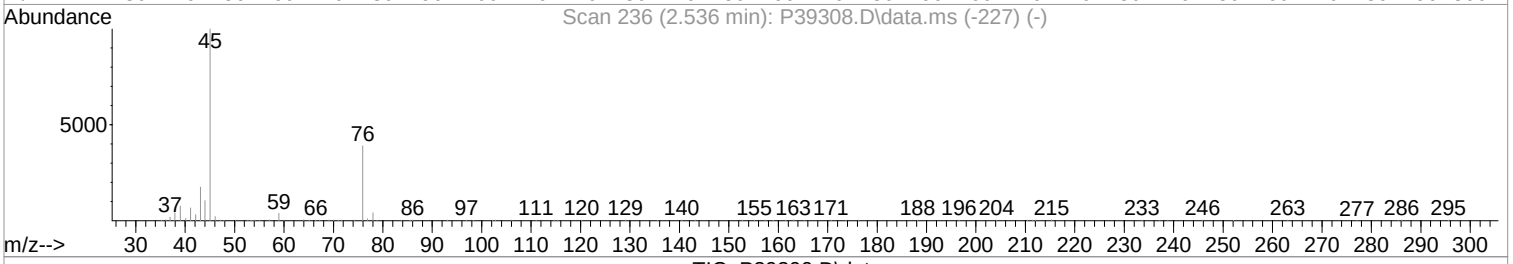
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 08:53:09 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39300.D\data.ms

(16) 2-Propanol

2.548min (+0.012) 91.95 ppb m

response 36768

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	39.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

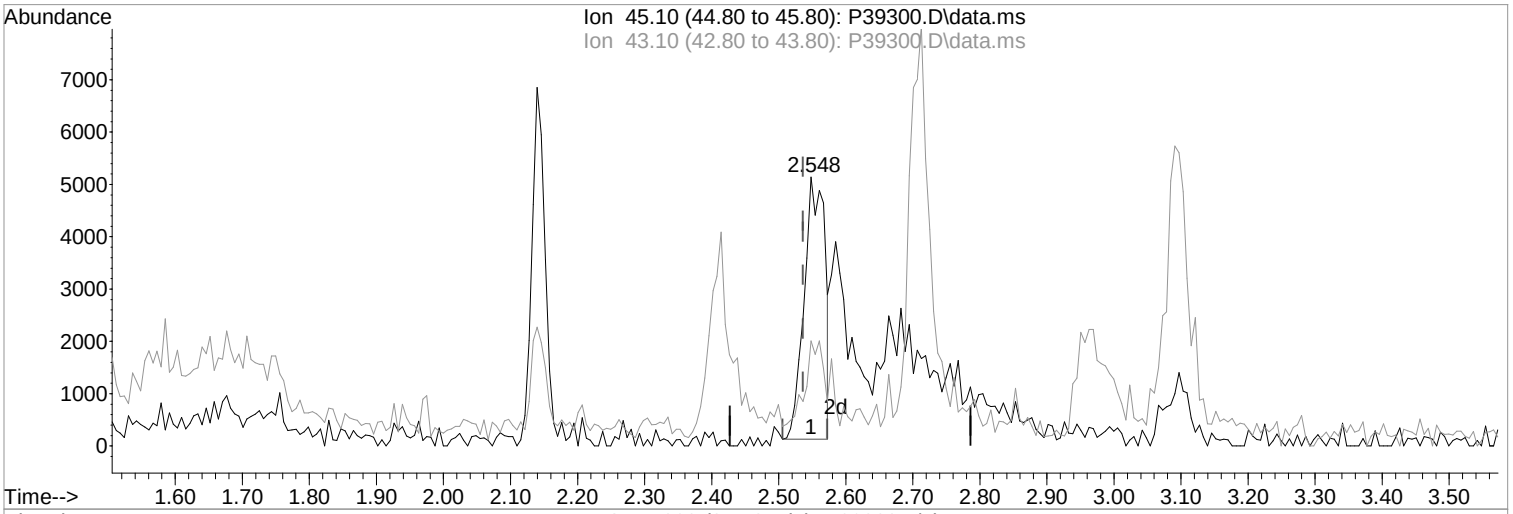
09/05/20

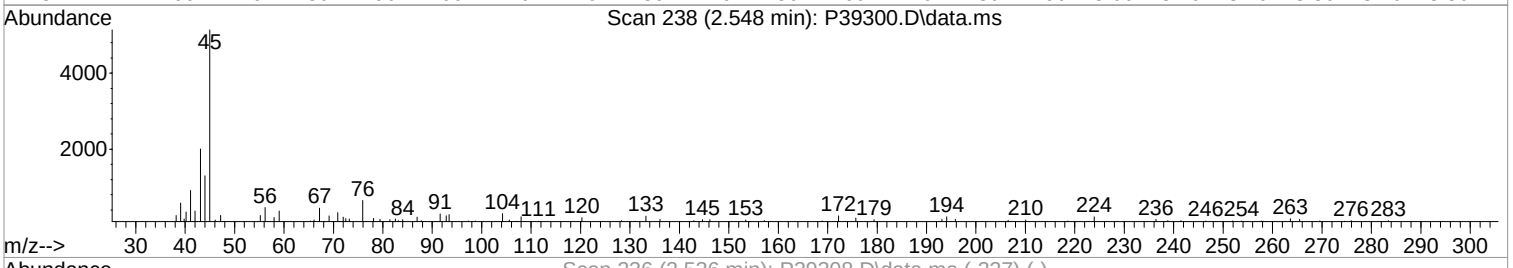
1st 09/05/20
2nd 09/05/20

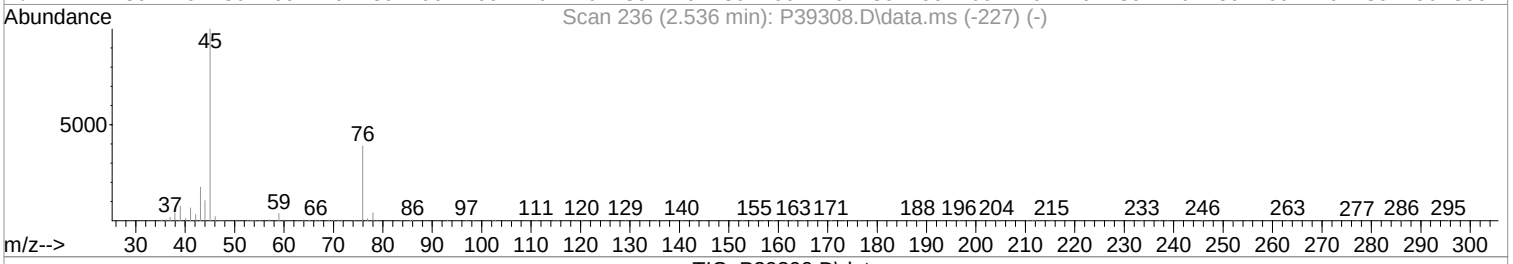
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39300.D\data.ms

(16) 2-Propanol

2.548min (+0.012) 26.98 ppb

response 10789

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	39.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

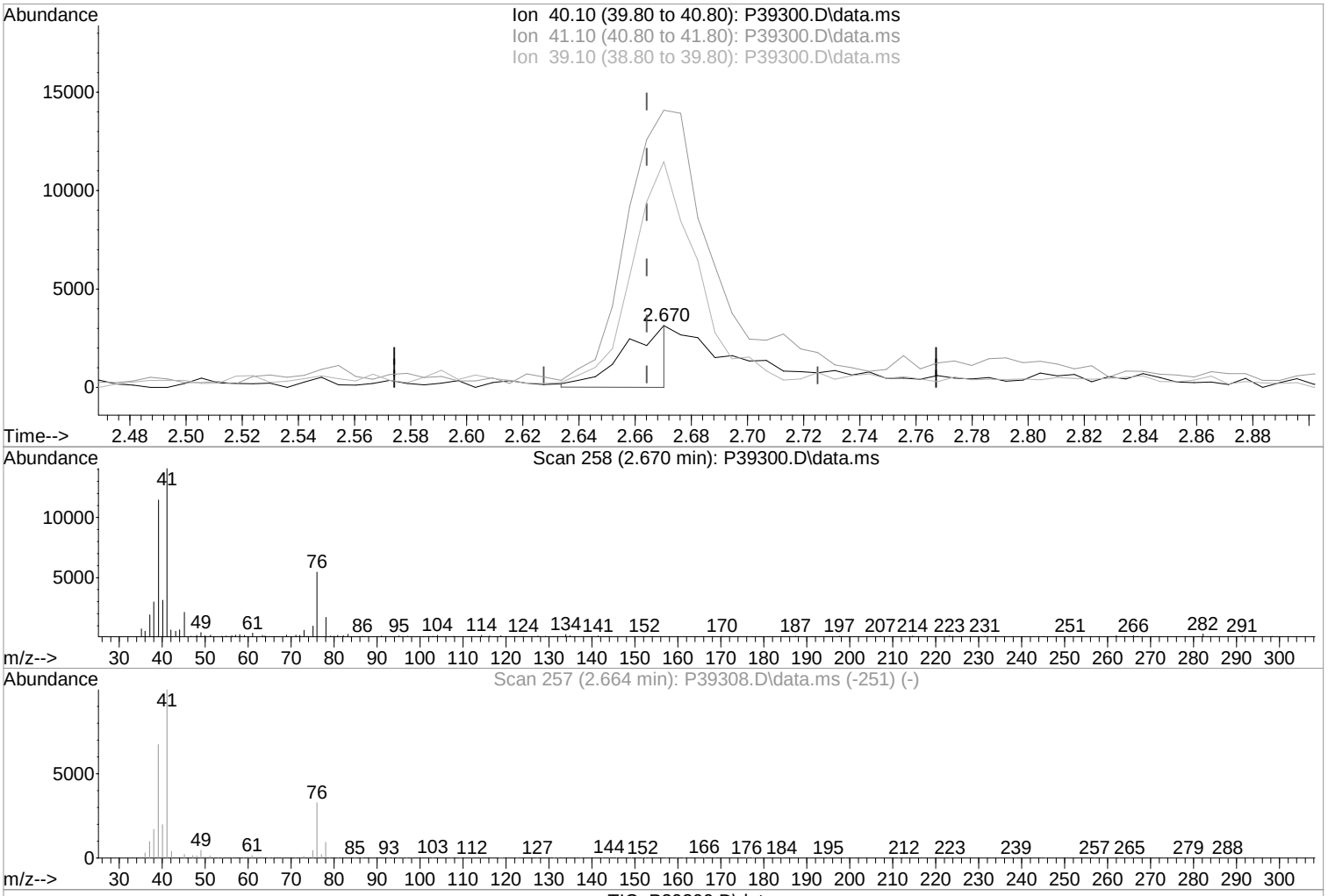
Before

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39300.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 28.44 ppb m

response 3578

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	449.25#
39.10	343.30	365.87#
0.00	0.00	0.00

Manual Integration:

After

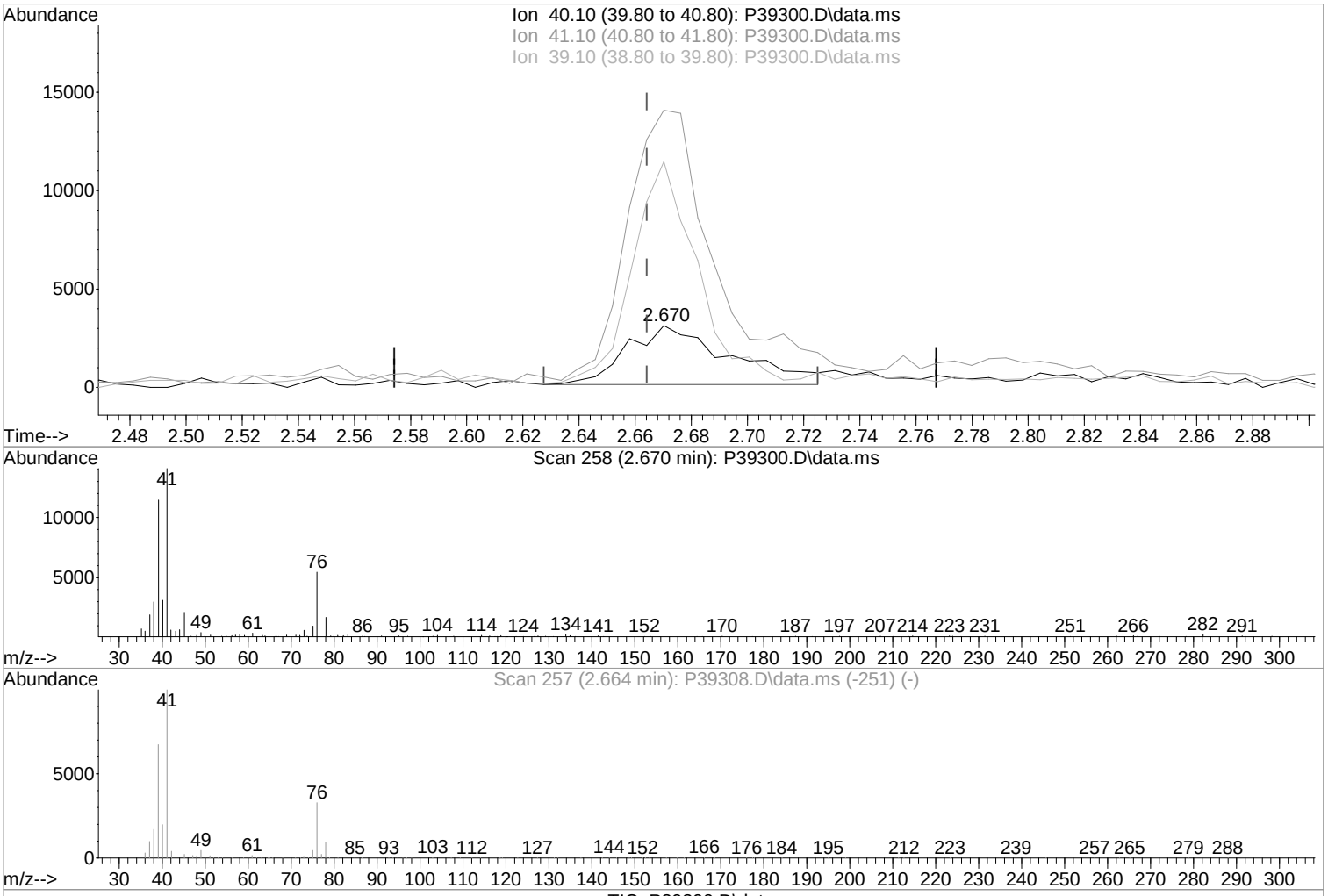
Poor integration.

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39300.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 61.31 ppb

response 7713

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	449.25#
39.10	343.30	365.87#
0.00	0.00	0.00

Manual Integration:

Before

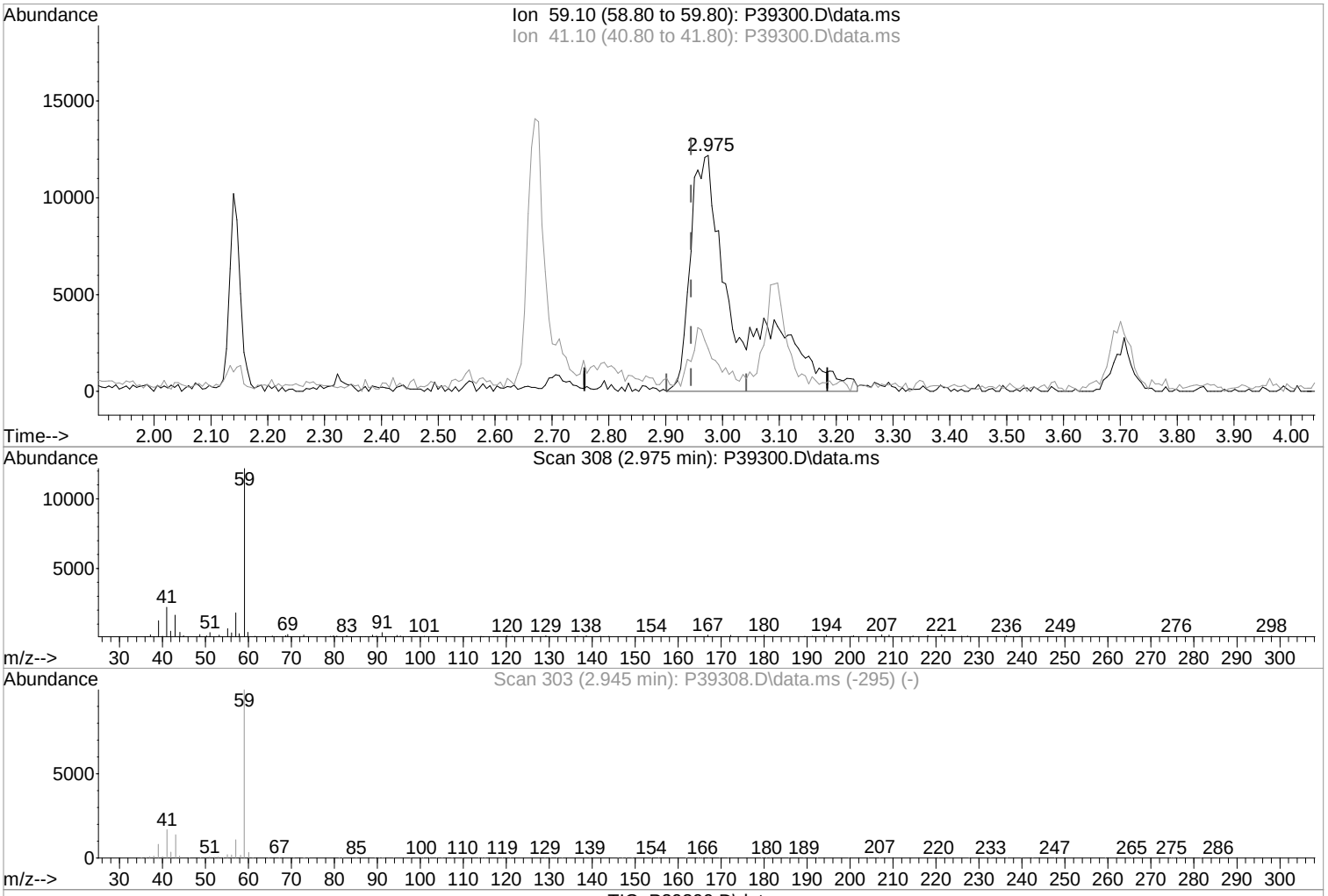
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 08:53:09 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39300.D\data.ms

(23) TBA

2.975min (+0.030) 95.51 ppb m

response 70596

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	18.19
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

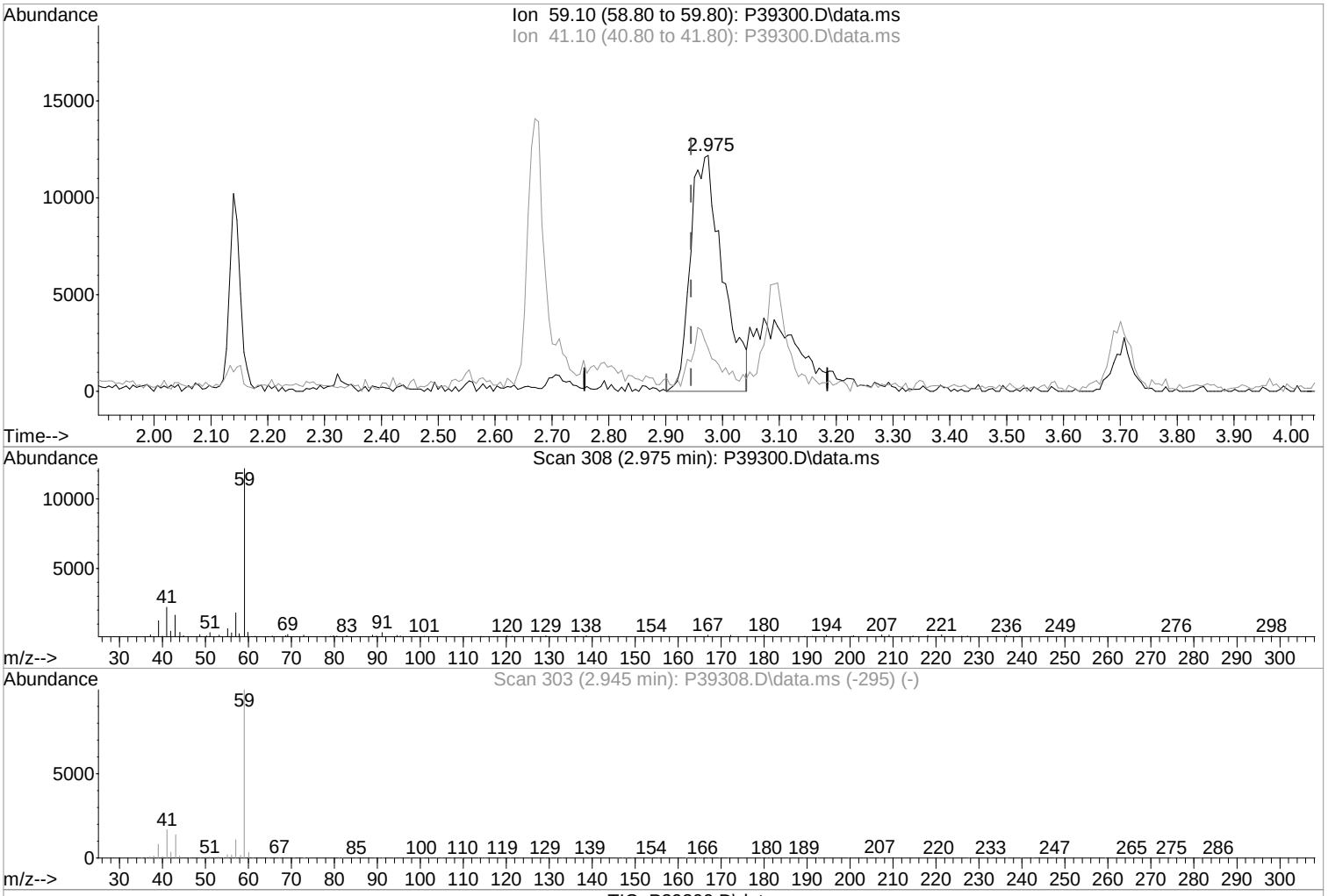
Poor integration.

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 08:53:09 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39300.D\data.ms

(23) TBA

2.975min (+0.030) 64.50 ppb

response 47673

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	18.19
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

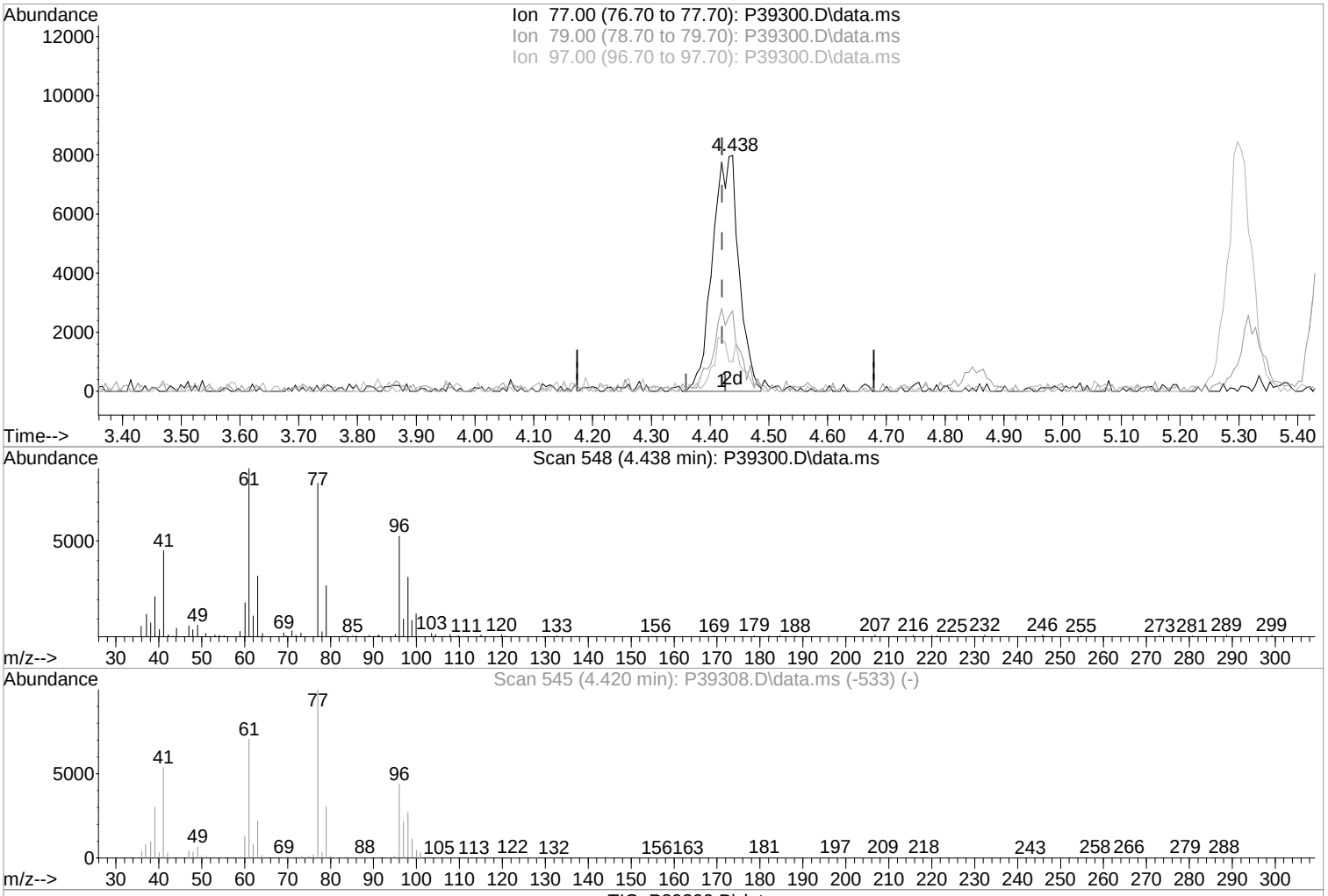
Before

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
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Quant Time: Sep 04 17:26:17 2020
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Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39300.D\data.ms

(33) 2,2-Dichloropropane

4.438min (+0.018) 4.95 ppb m

response 24966

Ion	Exp%	Act%
77.00	100	100
79.00	30.60	34.07
97.00	21.30	12.57
0.00	0.00	0.00

Manual Integration:

After

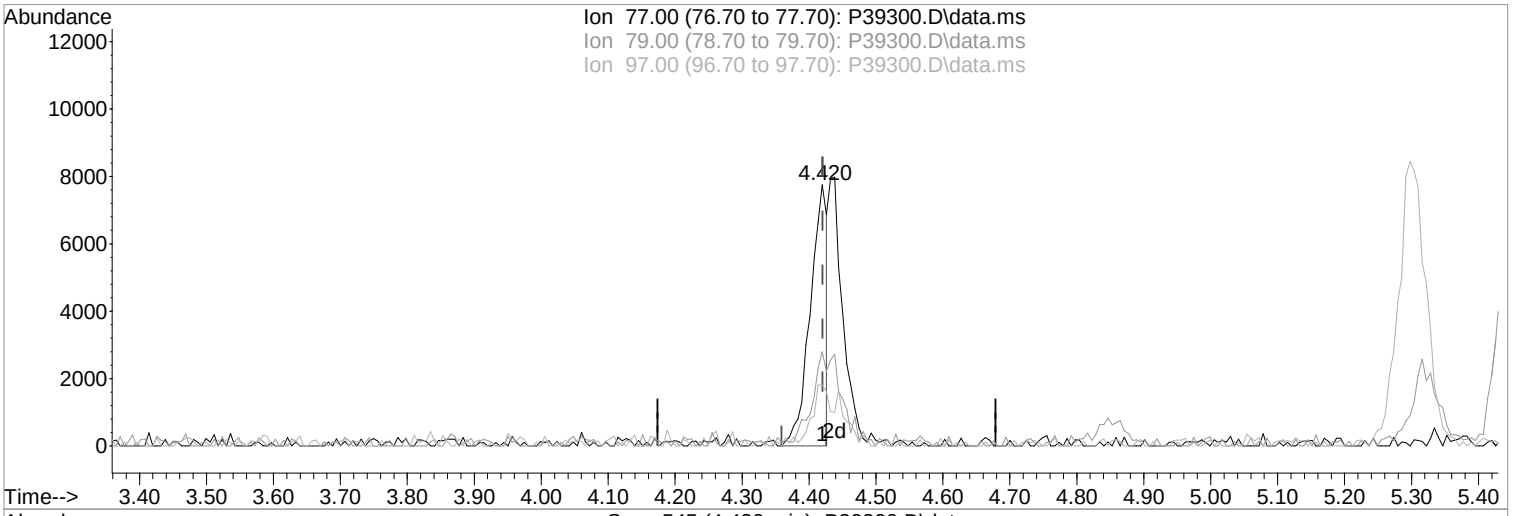
Split Peak

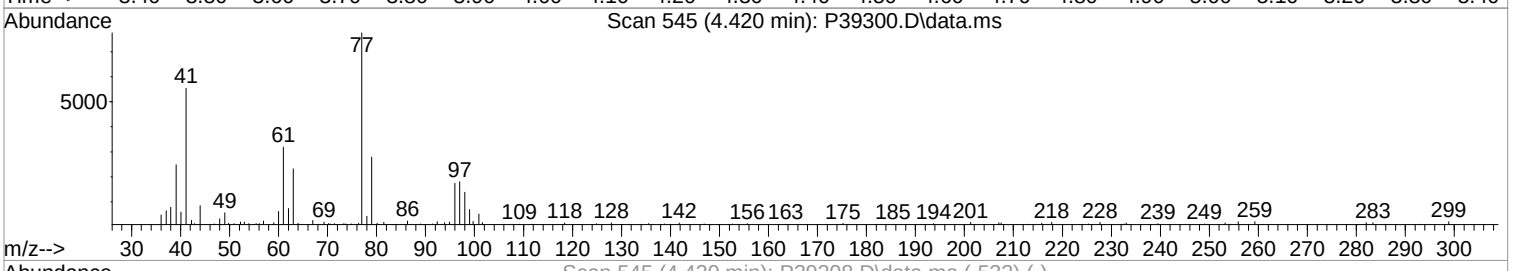
09/05/20

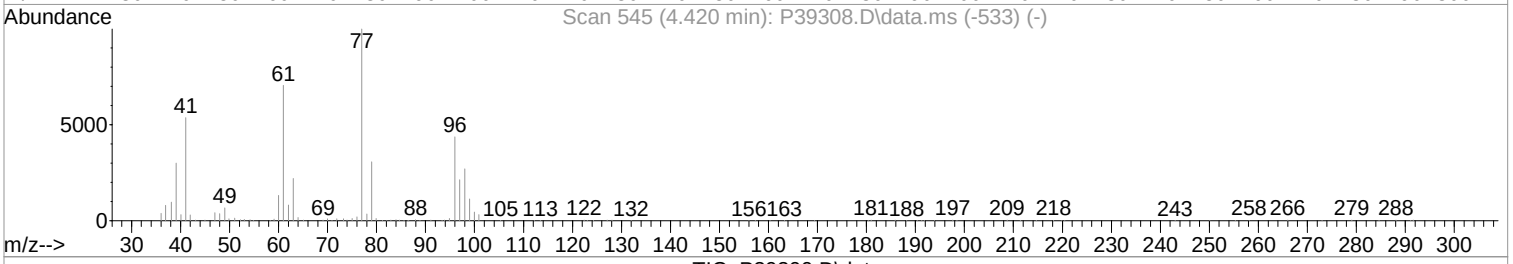
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
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Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39300.D\data.ms

(33) 2,2-Dichloropropane

4.420min (-0.000) 2.67 ppb

response 13476

Ion	Exp%	Act%
77.00	100	100
79.00	30.60	36.02
97.00	21.30	23.27
0.00	0.00	0.00

Manual Integration:

Before

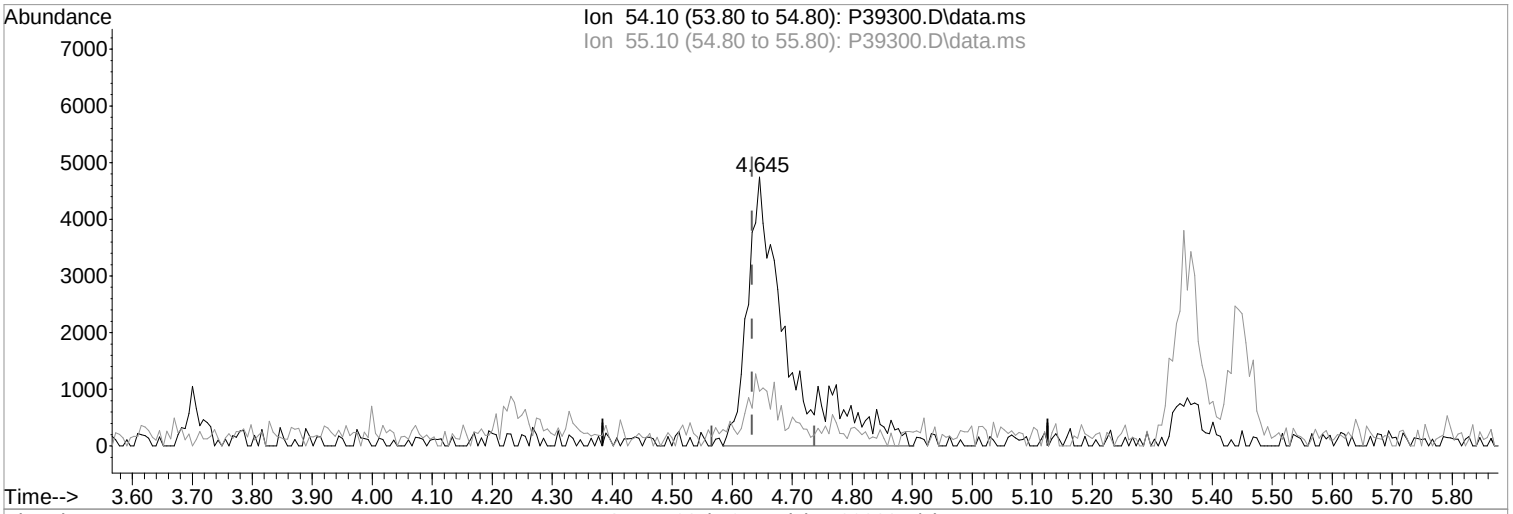
09/05/20

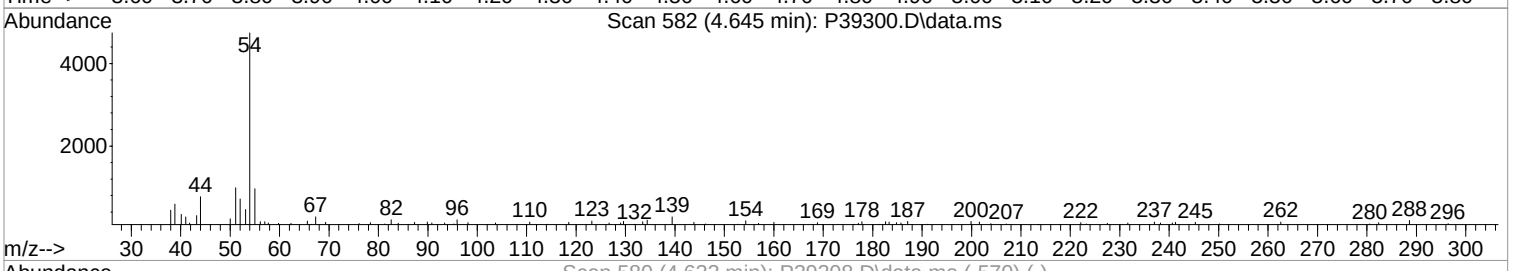
1st 09/05/20
2nd 09/05/20

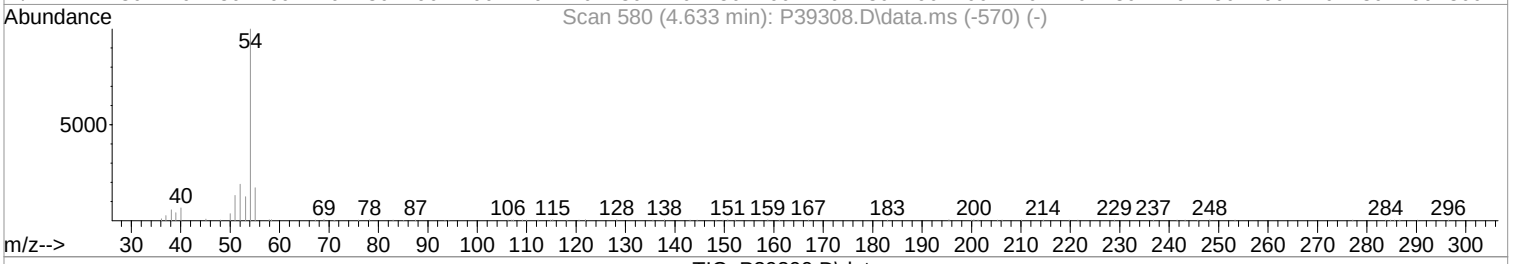
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39300.D\data.ms

(36) Propionitrile

4.645min (+0.012) 26.19 ppb m

response 22512

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	20.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

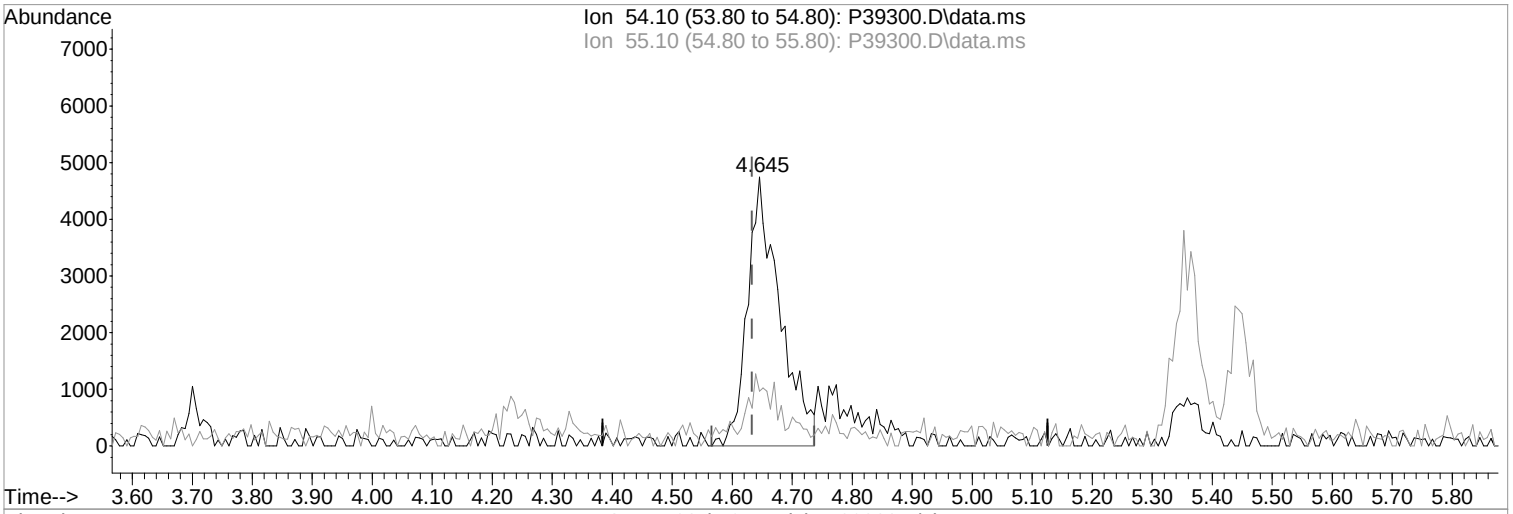
Poor integration.

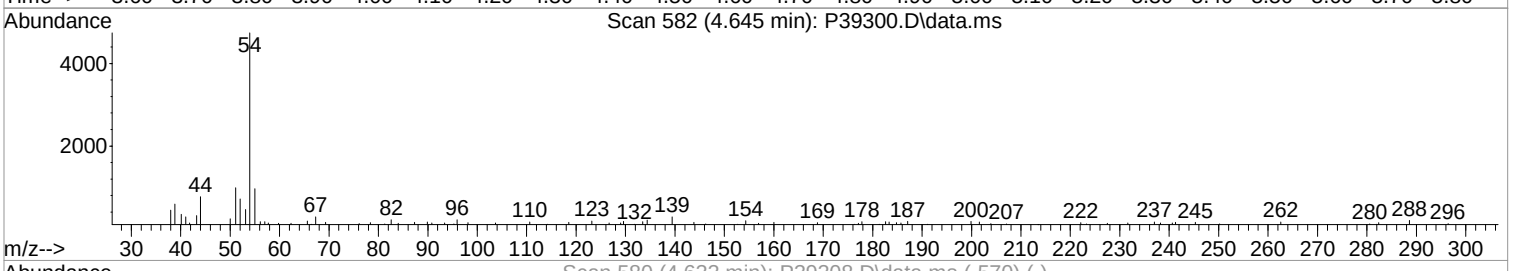
09/05/20

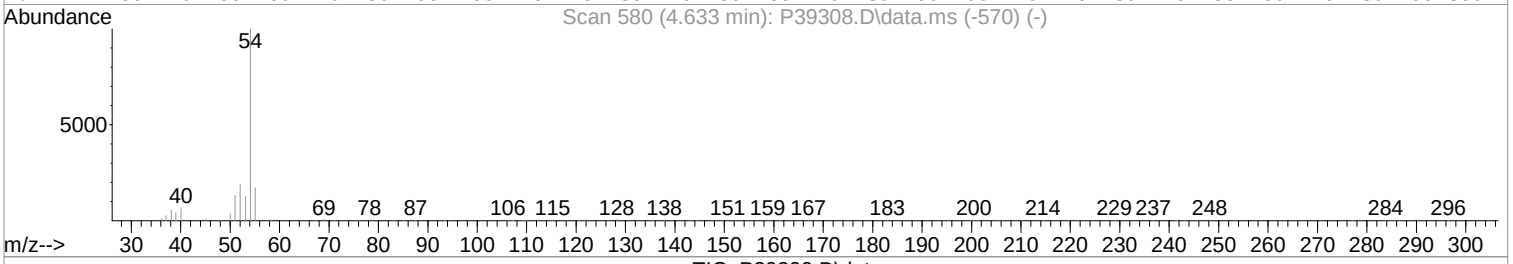
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39300.D\data.ms

(36) Propionitrile

4.645min (+0.012) 20.71 ppb

response 17799

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	20.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

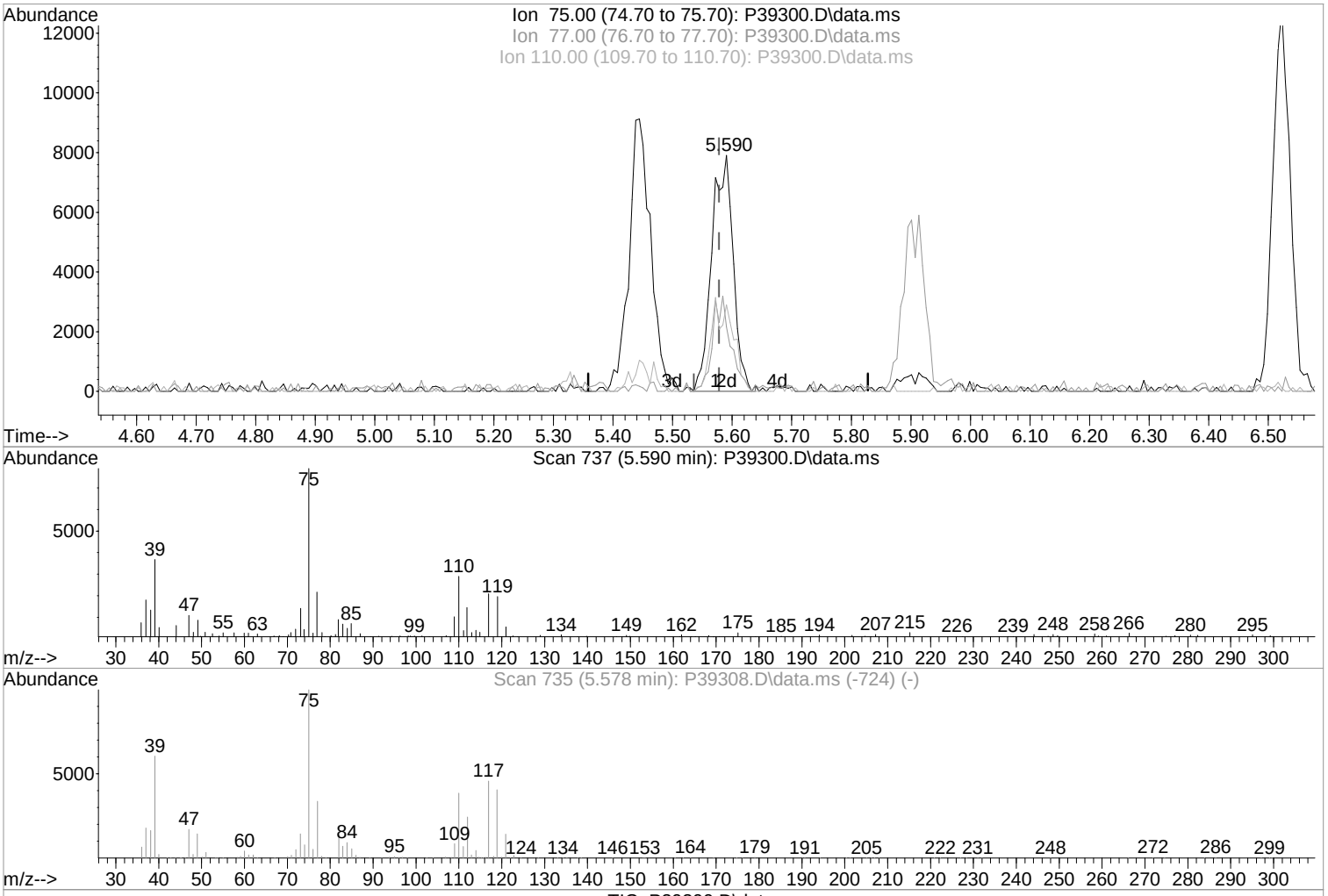
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39300.D\data.ms

(47) 1,1-Dichloropropene

5.590min (+0.012) 4.68 ppb m

response 19684

Ion	Exp%	Act%
75.00	100	100
77.00	33.70	27.33
110.00	38.50	36.63
0.00	0.00	0.00

Manual Integration:

After

Split Peak

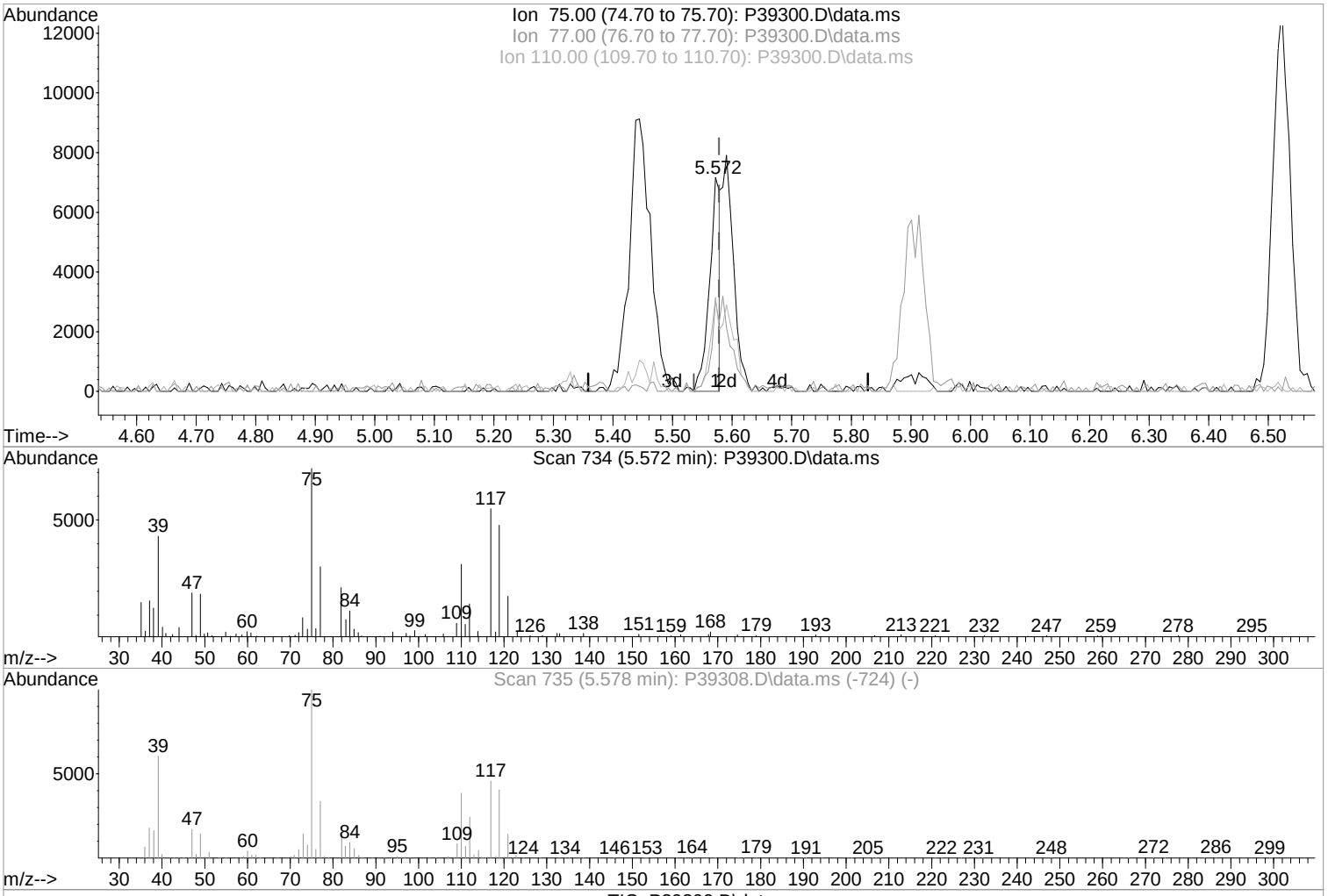
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39300.D\data.ms

(47) 1,1-Dichloropropene

5.572min (-0.006) 2.11 ppb

response 8877

Ion	Exp%	Act%
75.00	100	100
77.00	33.70	42.37
110.00	38.50	43.87
0.00	0.00	0.00

Manual Integration:

Before

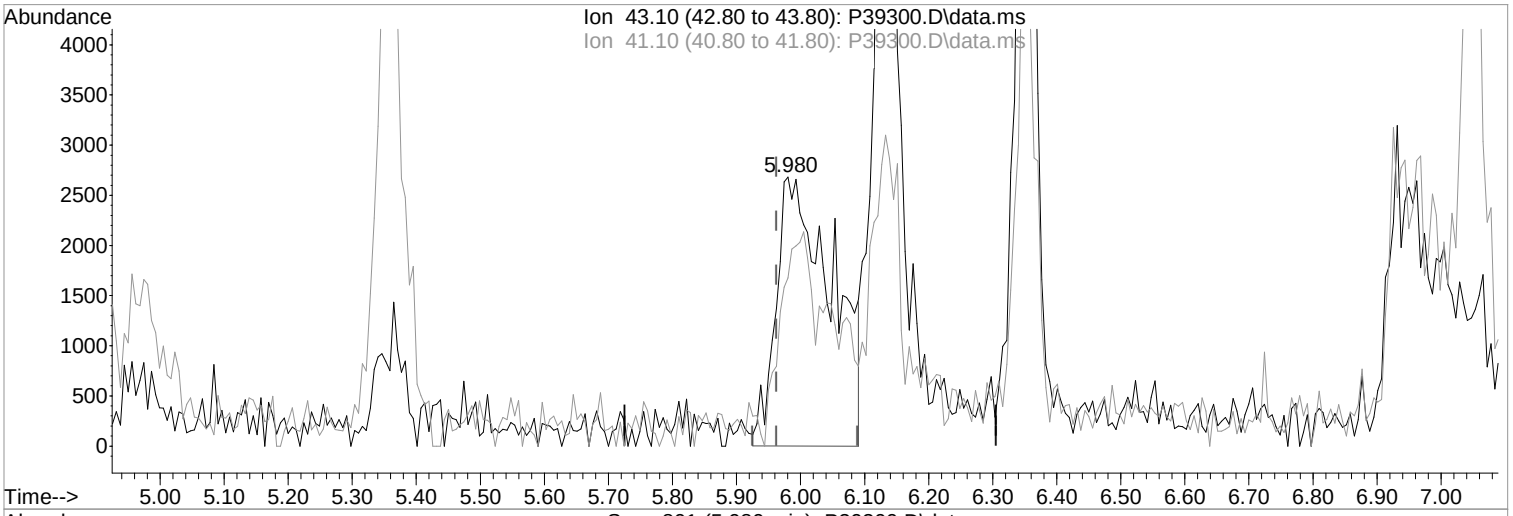
09/05/20

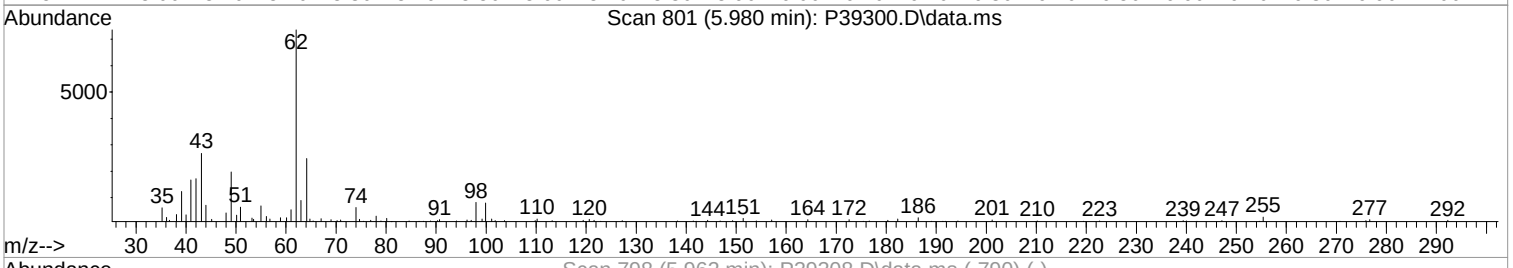
1st 09/05/20
2nd 09/05/20

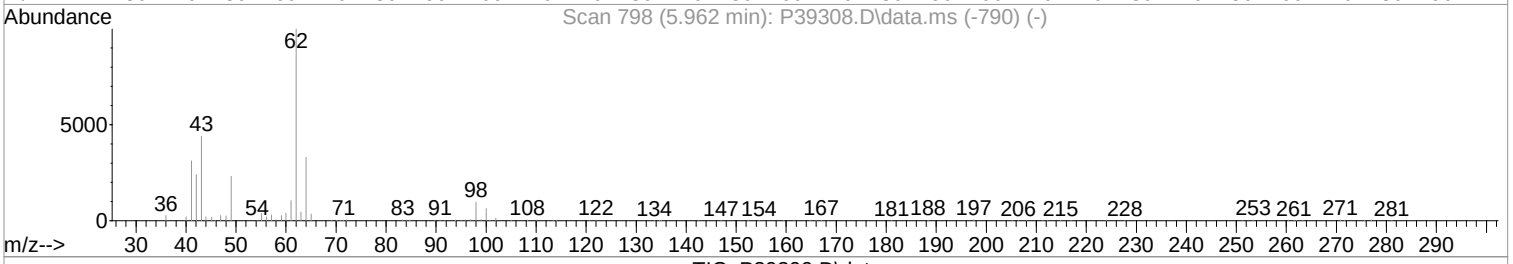
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39300.D\data.ms

(51) Iso-Butyl Alcohol

5.980min (+0.018) 78.02 ppb m

response 16090

Ion	Exp%	Act%
43.10	100	100
41.10	71.60	62.49
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

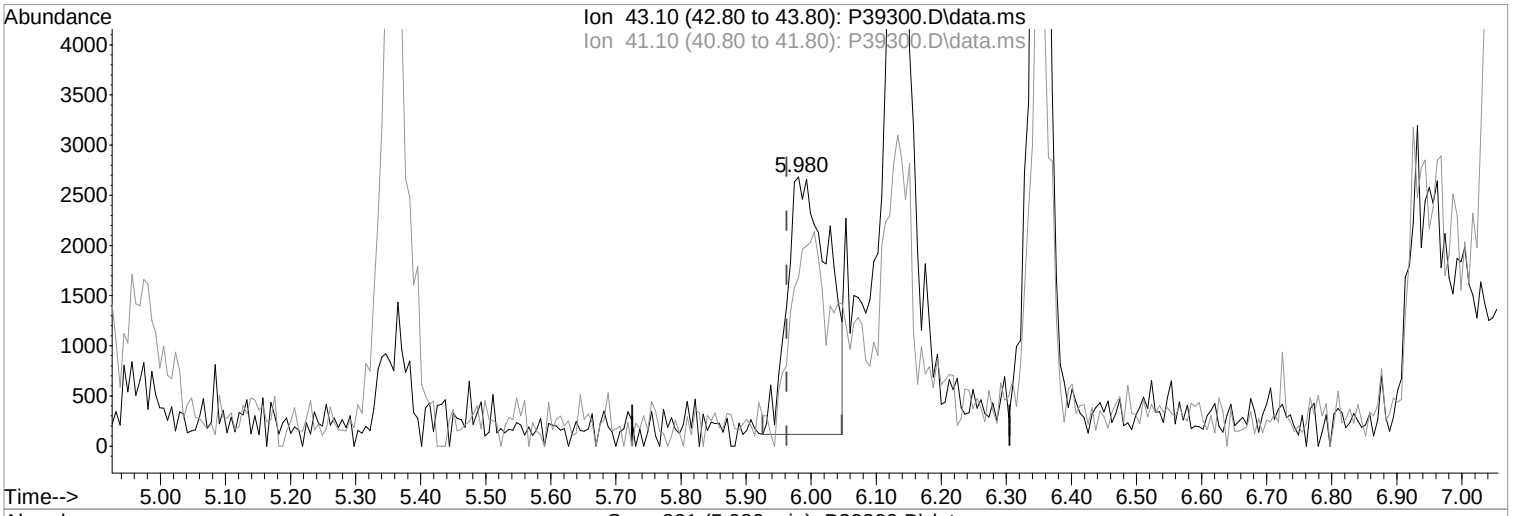
09/05/20

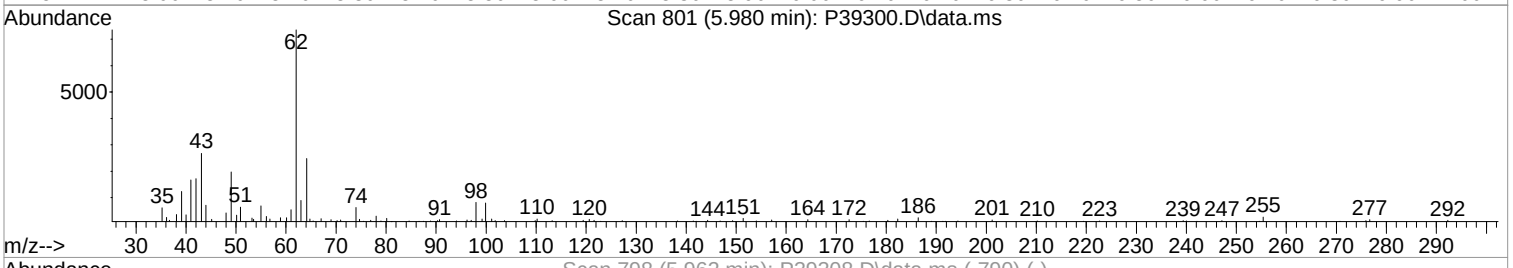
1st 09/05/20
2nd 09/05/20

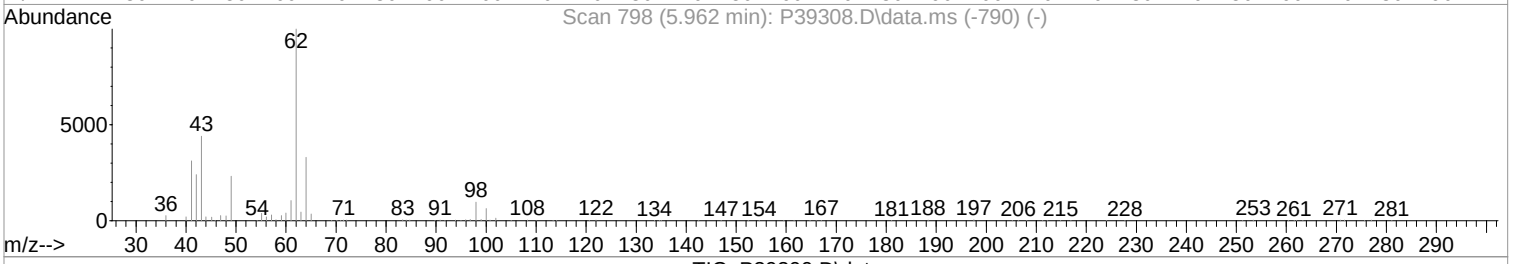
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39300.D\data.ms

(51) Iso-Butyl Alcohol

5.980min (+0.018) 55.10 ppb

response 11364

Ion	Exp%	Act%
43.10	100	100
41.10	71.60	62.49
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

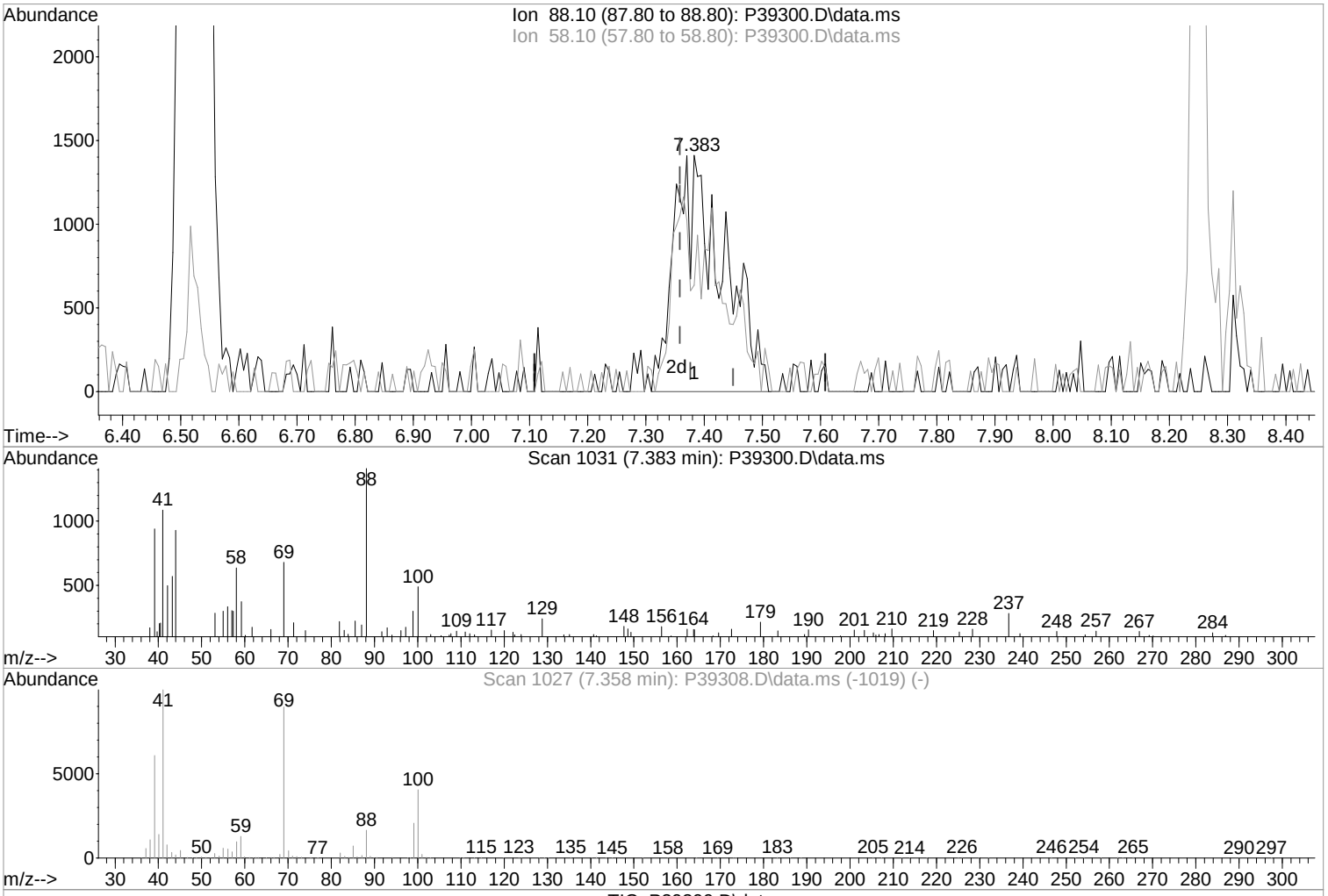
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39300.D\data.ms

(58) 1,4-Dioxane

7.383min (+0.024) 104.25 ppb m

response 8236

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	45.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

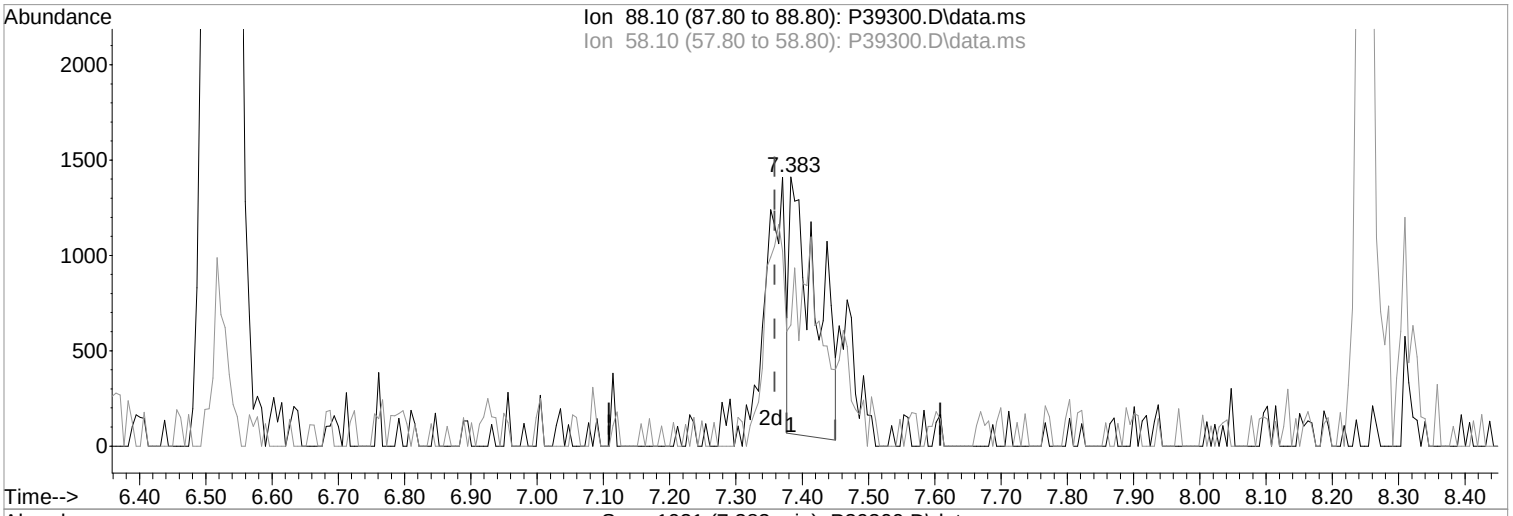
09/05/20

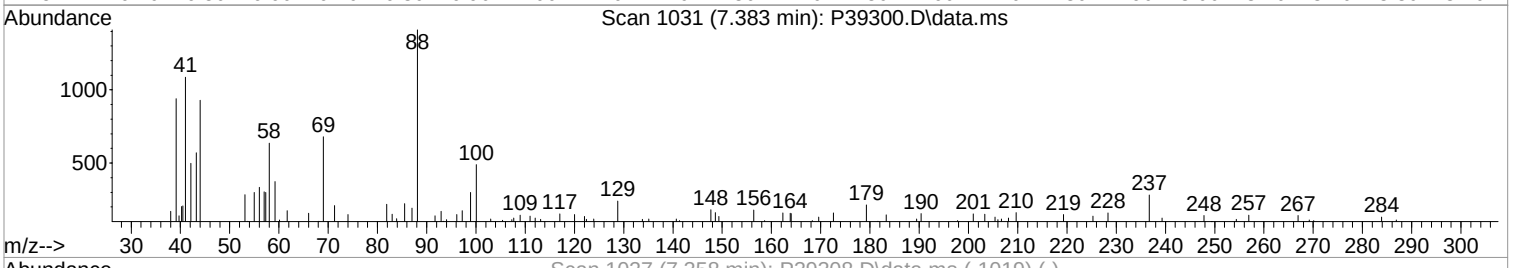
1st 09/05/20
2nd 09/05/20

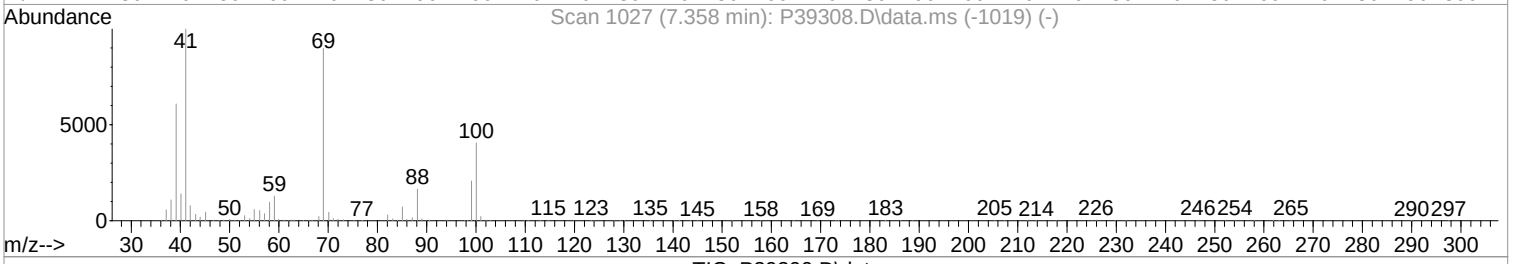
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 17:26:17 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39300.D\data.ms

(58) 1,4-Dioxane

7.383min (+0.024) 47.32 ppb

response 3738

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	45.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/05/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 09:03:52 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	329645	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	493181	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	456236	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	229146	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	30838	10.65	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.30%#				
48) surr1,1,2-dichloroetha...	5.852	65	42441	10.98	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.96%#				
65) SURR3,Toluene-d8	8.315	98	147031	11.17	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.34%#				
70) SURR2,BFB	10.870	95	55791	10.93	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 21.86%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.195	85	19127	4.39	ppb		96
3) Chloromethane	1.323	50	20046	4.45	ppb		99
4) Vinyl Chloride	1.396	62	24981	4.55	ppb		97
5) Bromomethane	1.634	94	25858	5.35	ppb		87
6) Chloroethane	1.707	64	20027	5.00	ppb		99
7) Freon 21	1.859	67	28333	4.53	ppb		98
8) Trichlorofluoromethane	1.902	101	23610	4.57	ppb		99
9) Diethyl Ether	2.140	59	13133	4.35	ppb		94
10) Freon 123a	2.146	67	17346	4.96	ppb		91
11) Freon 123	2.207	83	19991	4.84	ppb		94
12) Acrolein	2.262	56	18937	21.75	ppb		85
13) 1,1-Diclethene	2.329	96	12814	5.27	ppb		95
14) Freon 113	2.329	101	12738	4.65	ppb		85
15) Acetone	2.414	43	9472	6.08	ppb		96
16) 2-Propanol	2.548	45	36768m	91.95	ppb		
17) Iodomethane	2.463	142	6310	1.98	ppb		78
18) Carbon Disulfide	2.518	76	38842	4.65	ppb		90
19) Acetonitrile	2.670	40	3578m	28.44	ppb		
20) Allyl Chloride	2.670	76	8463	5.28	ppb	#	85
21) Methyl Acetate	2.713	43	14903	4.47	ppb		95
22) Methylene Chloride	2.792	84	16402	5.06	ppb	#	88
23) TBA	2.975	59	70596m	95.51	ppb		
24) Acrylonitrile	3.079	53	41170	23.42	ppb		86
25) Methyl-t-Butyl Ether	3.091	73	54171	4.86	ppb		95
26) trans-1,2-Dichloroethene	3.079	96	12341	4.38	ppb		93
28) 1,1-Diclethane	3.591	63	25392	4.70	ppb		91
29) Vinyl Acetate	3.682	86	2074	3.37	ppb		99
30) DIPE	3.700	45	44753	4.79	ppb		87
31) 2-Chloro-1,3-Butadiene	3.707	53	23229	4.54	ppb		99
32) ETBE	4.237	59	46616	4.88	ppb		98
33) 2,2-Dichloropropane	4.438	77	24966m	4.95	ppb		
34) cis-1,2-Dichloroethene	4.444	96	15931	4.68	ppb		99
35) 2-Butanone	4.536	43	9166	4.29	ppb		90
36) Propionitrile	4.645	54	22512m	26.19	ppb		
37) Bromochloromethane	4.853	130	10413	4.75	ppb		99
38) Methacrylonitrile	4.901	67	9211	4.51	ppb	#	58
39) Tetrahydrofuran	4.962	42	7314	4.49	ppb		88
40) Chloroform	5.029	83	28954	5.11	ppb		94
41) 1,1,1-Trichloroethane	5.298	97	24457	4.77	ppb		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 09:03:52 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.133	73	50688	4.97	ppb		98
44) Cyclohexane	5.359	41	16264	5.47	ppb		99
46) Carbontetrachloride	5.560	117	18486	4.71	ppb		94
47) 1,1-Dichloropropene	5.590	75	19684m	4.68	ppb		
49) Benzene	5.901	78	63889	4.89	ppb		99
50) 1,2-Dichloroethane	5.968	62	21763	4.65	ppb		89
51) Iso-Butyl Alcohol	5.980	43	16090m	78.02	ppb		
52) n-Heptane	6.352	43	18204	4.85	ppb		88
53) 1-Butanol	6.938	56	22316	150.74	ppb	#	55
54) Trichloroethene	6.834	130	17768	4.83	ppb		98
55) Methylcyclohexane	7.053	55	19493	4.65	ppb		93
56) 1,2-Diclpropane	7.133	63	15548	4.69	ppb		97
57) Dibromomethane	7.279	93	10407	4.60	ppb		86
58) 1,4-Dioxane	7.383	88	8236m	104.25	ppb		
59) Methyl Methacrylate	7.352	69	13831	4.23	ppb		93
60) Bromodichloromethane	7.498	83	20330	4.65	ppb		96
62) 2-Chloroethylvinyl Ether	7.907	63	9413	4.42	ppb		89
63) cis-1,3-Dichloropropene	8.029	75	24791	4.71	ppb		97
64) 4-Methyl-2-pentanone	8.248	43	19858	4.47	ppb		95
66) Toluene	8.389	91	72409	4.85	ppb		99
67) trans-1,3-Dichloropropene	8.675	75	24314	4.80	ppb		92
68) Ethyl Methacrylate	8.797	69	25748	4.58	ppb		94
69) 1,1,2-Trichloroethane	8.864	97	15116	4.64	ppb		92
72) Tetrachloroethene	8.968	164	12745	4.55	ppb		90
73) 2-Hexanone	9.151	43	15755	4.70	ppb		98
74) 1,3-Dichloropropane	9.029	76	28075	4.80	ppb		98
75) Dibromochloromethane	9.248	129	13342	4.27	ppb		90
76) N-Butyl Acetate	9.291	43	31401	4.58	ppb		92
77) 1,2-Dibromoethane	9.346	107	16014	4.56	ppb		85
78) Chlorobenzene	9.827	112	46396	4.83	ppb		99
79) 3-CBTF	9.839	180	25198	4.81	ppb	#	95
80) 4-CBTF	9.894	180	22682	4.92	ppb		94
81) 1,1,1,2-Tetrachloroethane	9.913	131	16006	4.85	ppb		97
82) Ethylbenzene	9.937	106	25921	4.89	ppb		99
83) (m+p)Xylene	10.047	106	62483	9.78	ppb		89
84) o-Xylene	10.406	106	29851	4.66	ppb		93
85) Styrene	10.425	104	49790	4.59	ppb		94
87) Bromoform	10.583	173	8648	4.31	ppb		73
88) 2-CBTF	10.656	180	23351	4.93	ppb	#	84
89) Isopropylbenzene	10.736	105	78217	5.18	ppb		98
90) Cyclohexanone	10.827	55	80805	96.51	ppb		100
91) trans-1,4-Dichloro-2-B...	11.059	53	6240	5.02	ppb		82
92) 1,1,2,2-Tetrachloroethane	11.016	83	20584	4.80	ppb		91
93) Bromobenzene	10.992	156	20779	5.11	ppb	#	80
94) 1,2,3-Trichloropropane	11.040	110	7624	4.59	ppb		91
95) n-Propylbenzene	11.089	91	91314	5.29	ppb		96
96) 2-Chlorotoluene	11.156	91	58523	5.19	ppb		94
97) 3-Chlorotoluene	11.211	91	56927	5.12	ppb		96
98) 4-Chlorotoluene	11.254	91	65248	5.09	ppb		97
99) 1,3,5-Trimethylbenzene	11.242	105	67323	5.11	ppb		96
100) tert-Butylbenzene	11.510	119	55622	4.97	ppb		96
101) 1,2,4-Trimethylbenzene	11.553	105	69237	5.28	ppb		96
102) 3,4-DCBTF	11.620	214	19030	4.93	ppb		98
103) sec-Butylbenzene	11.693	105	80967	5.08	ppb		92
104) p-Isopropyltoluene	11.815	119	70177	5.10	ppb		99
105) 1,3-Dclbenz	11.778	146	38431	5.01	ppb		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 09:03:52 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.857	146	41731	5.15	ppb	98
107) 2,4-DCBTF	11.906	214	16473	4.79	ppb	91
108) 2,5-DCBTF	11.949	214	20215	5.09	ppb	89
109) n-Butylbenzene	12.144	91	62738	5.07	ppb	96
110) 1,2-Dclbenz	12.156	146	40947	5.17	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.790	157	6239	5.03	ppb	88
112) Trielution Dichlorotol...	12.894	125	103954	14.66	ppb	98
113) 1,3,5 Trichlorobenzene	12.943	180	28886	4.92	ppb	98
114) Coelution Dichlorotoluene	13.223	125	77961	10.16	ppb	96
115) 1,2,4-Tcbenzene	13.430	180	29757	4.98	ppb	93
116) Hexachlorobt	13.558	225	9892	4.19	ppb	81
117) Naphthalen	13.625	128	90471	4.94	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	28463	4.72	ppb	93
119) 2,4,5-Trichlorotolene	14.387	159	21594	4.94	ppb	92
120) 2,3,6-Trichlorotoluene	14.473	159	18012	4.58	ppb	91

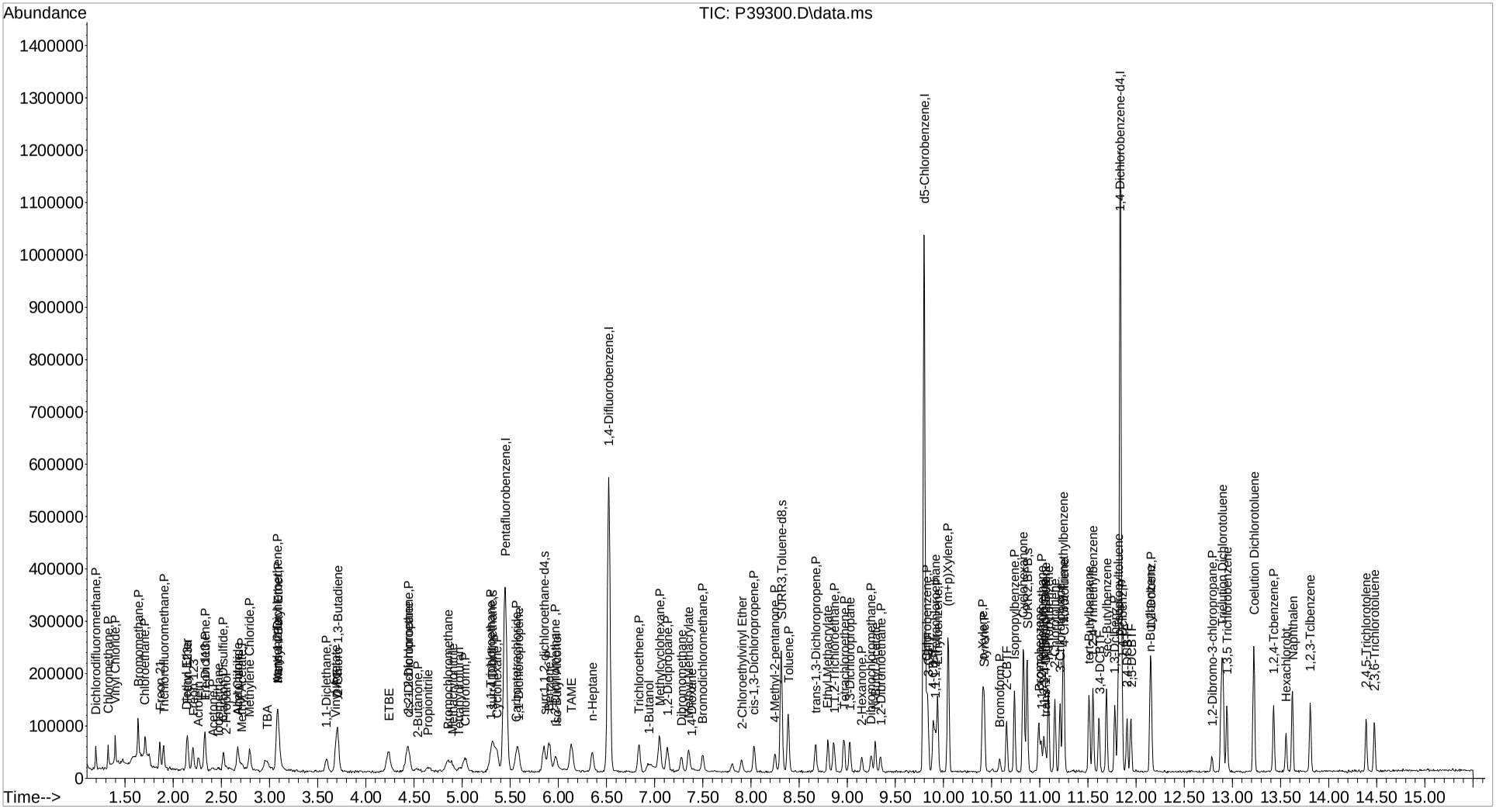
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39300.D
Acq On : 4 Sep 2020 1:18 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

09/05/20 1st
09/05/20 2nd

Quant Time: Sep 05 09:03:52 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

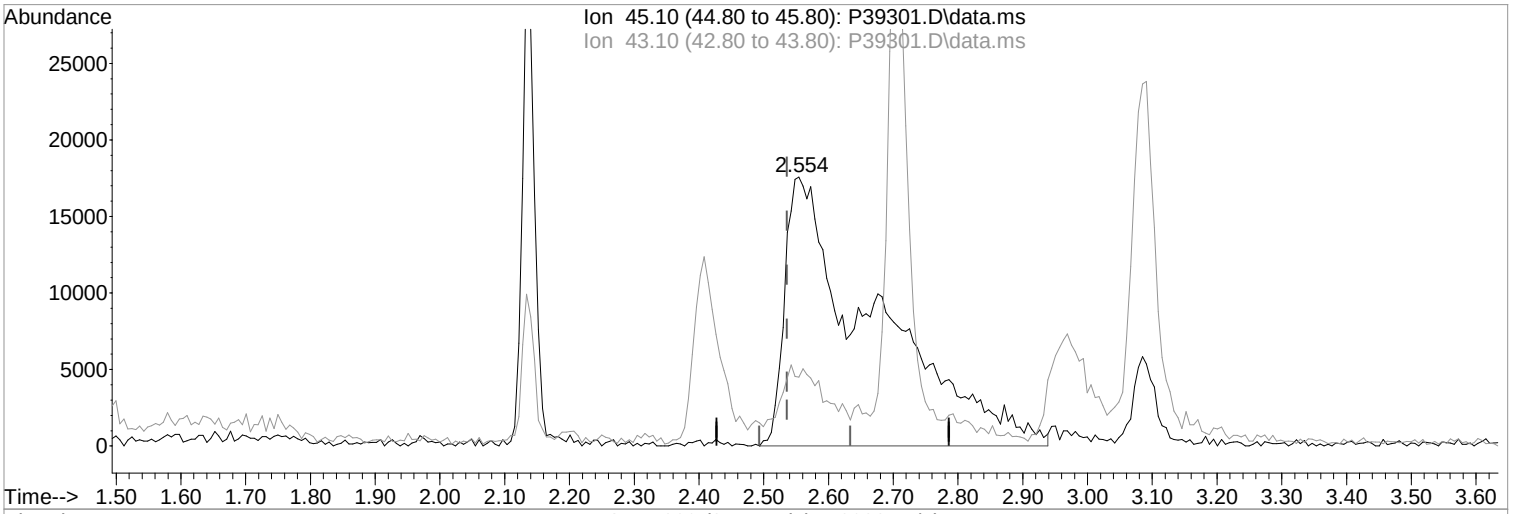


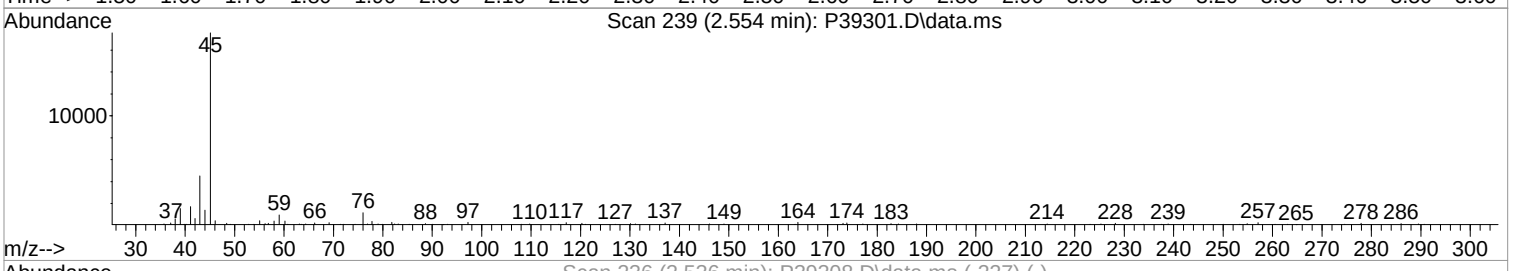
1st 09/05/20
2nd 09/05/20

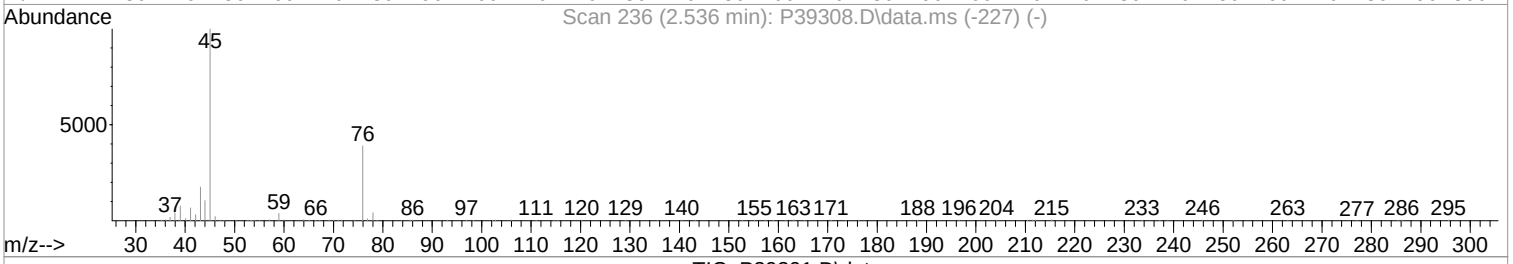
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39301.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 415.35 ppb m

response 169558

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	25.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

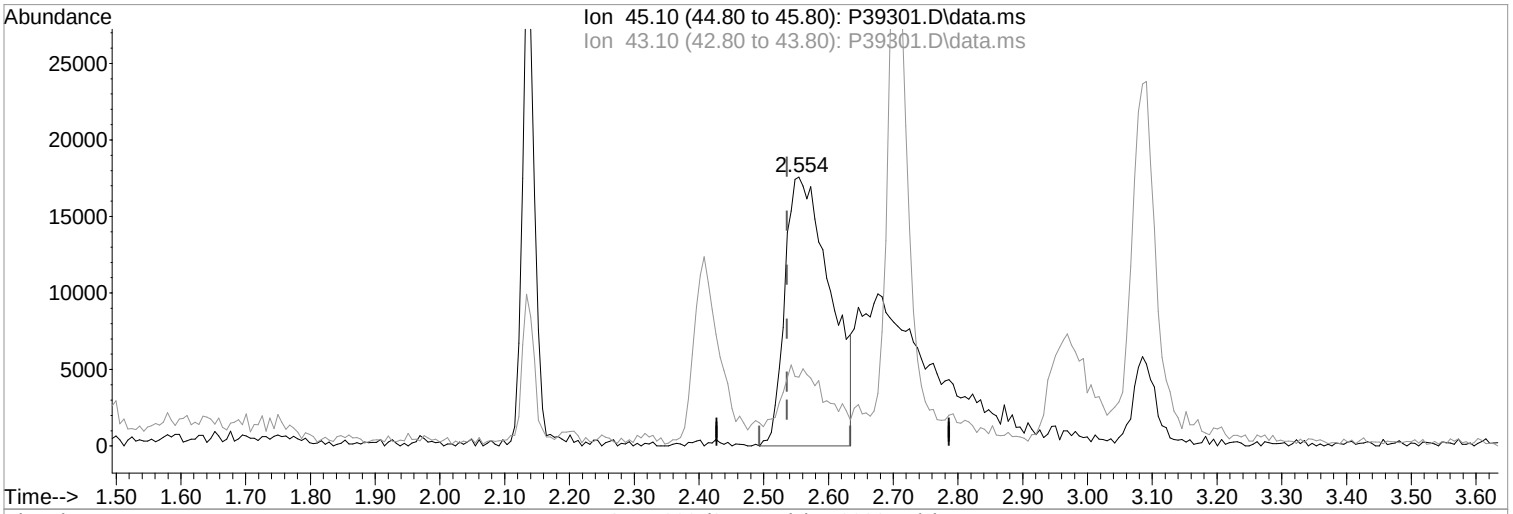
09/05/20

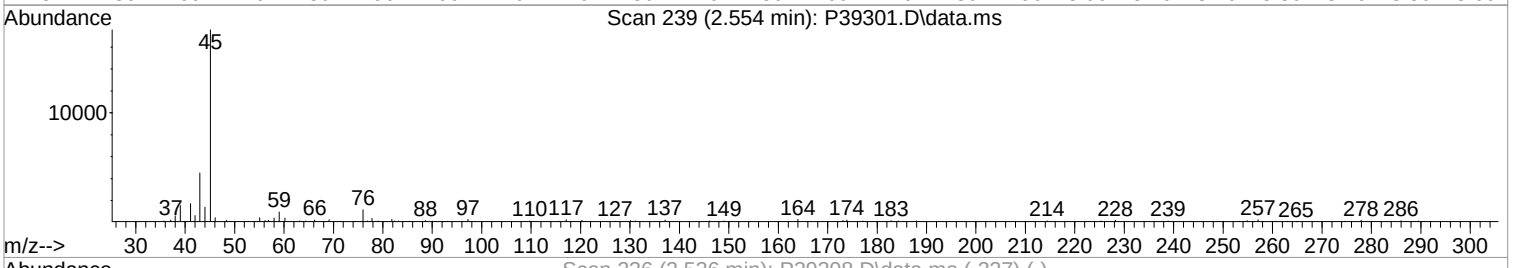
1st 09/05/20
2nd 09/05/20

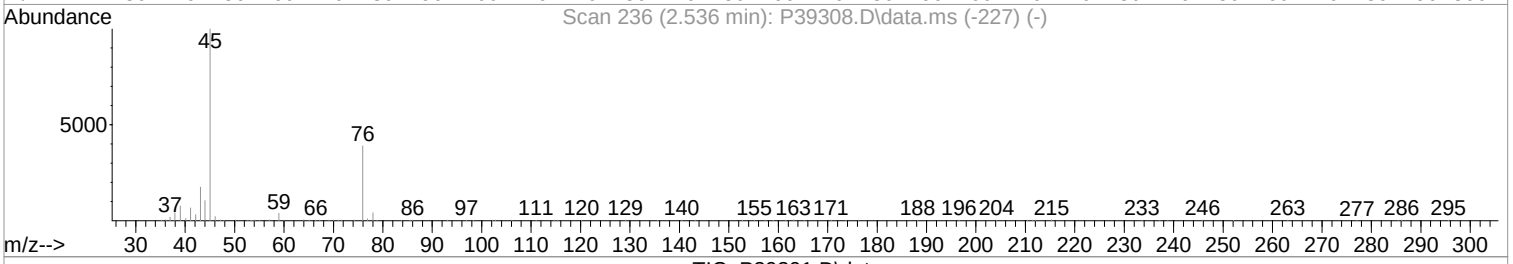
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39301.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 208.86 ppb

response 85265

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	25.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

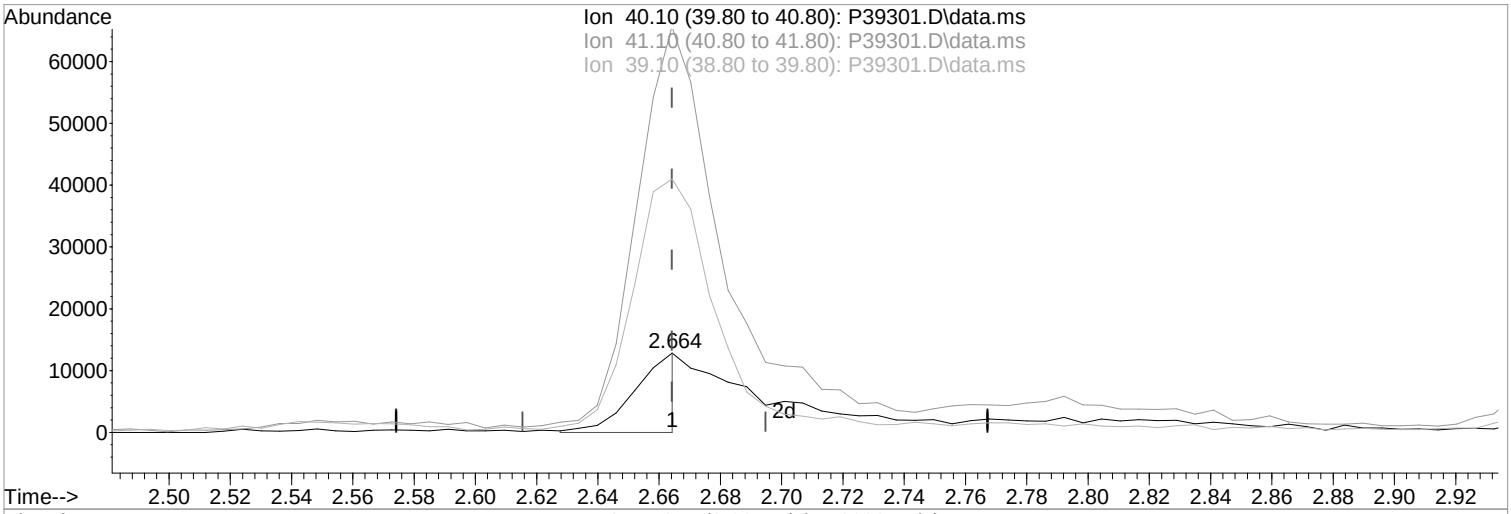
09/05/20

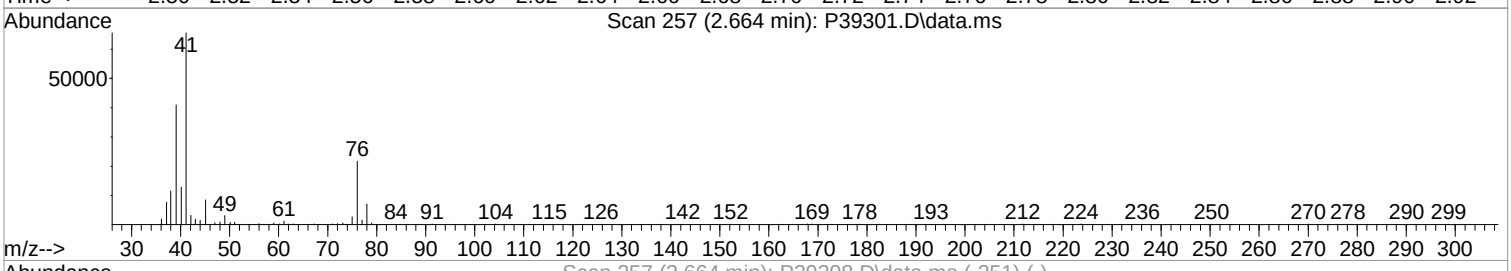
1st 09/05/20
2nd 09/05/20

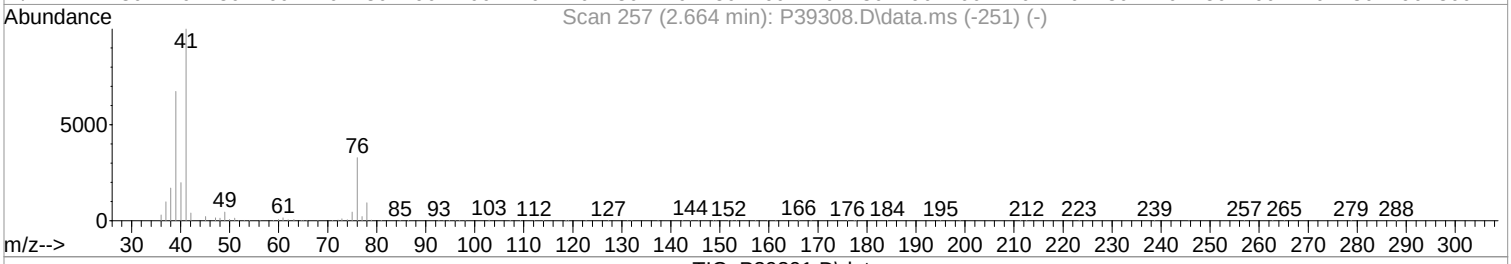
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39301.D\data.ms

(19) Acetonitrile

2.664min (0.000) 99.63 ppb m

response 12796

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	511.99
39.10	343.30	319.79#
0.00	0.00	0.00

Manual Integration:

After

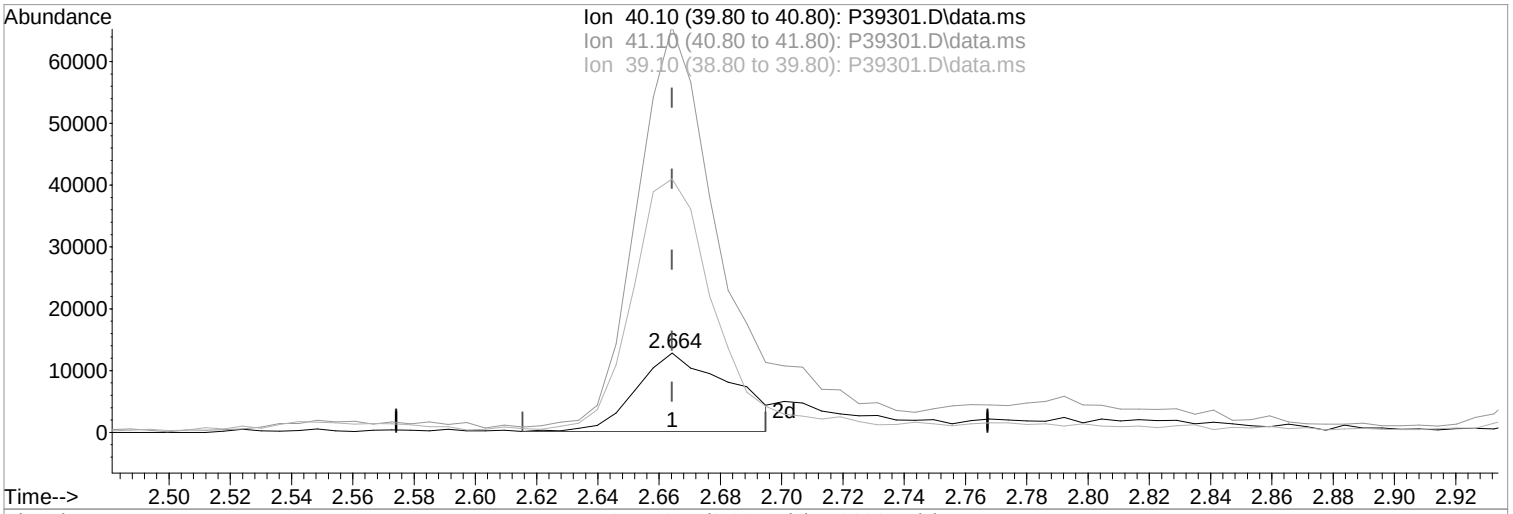
Poor integration.

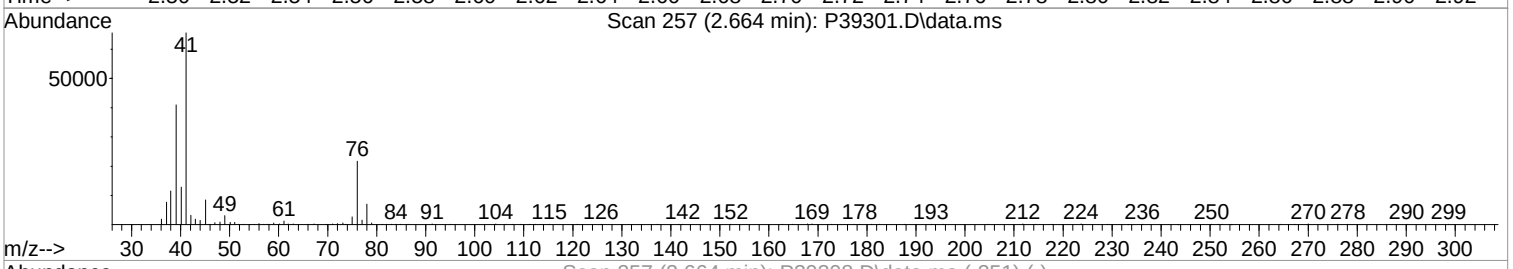
09/05/20

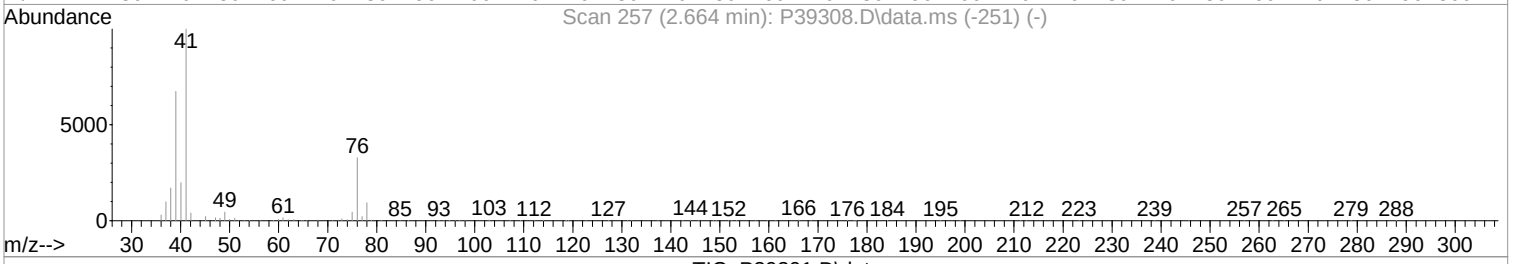
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39301.D\data.ms

(19) Acetonitrile

2.664min (0.000) 210.41 ppb

response 27025

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	511.99
39.10	343.30	319.79#
0.00	0.00	0.00

Manual Integration:

Before

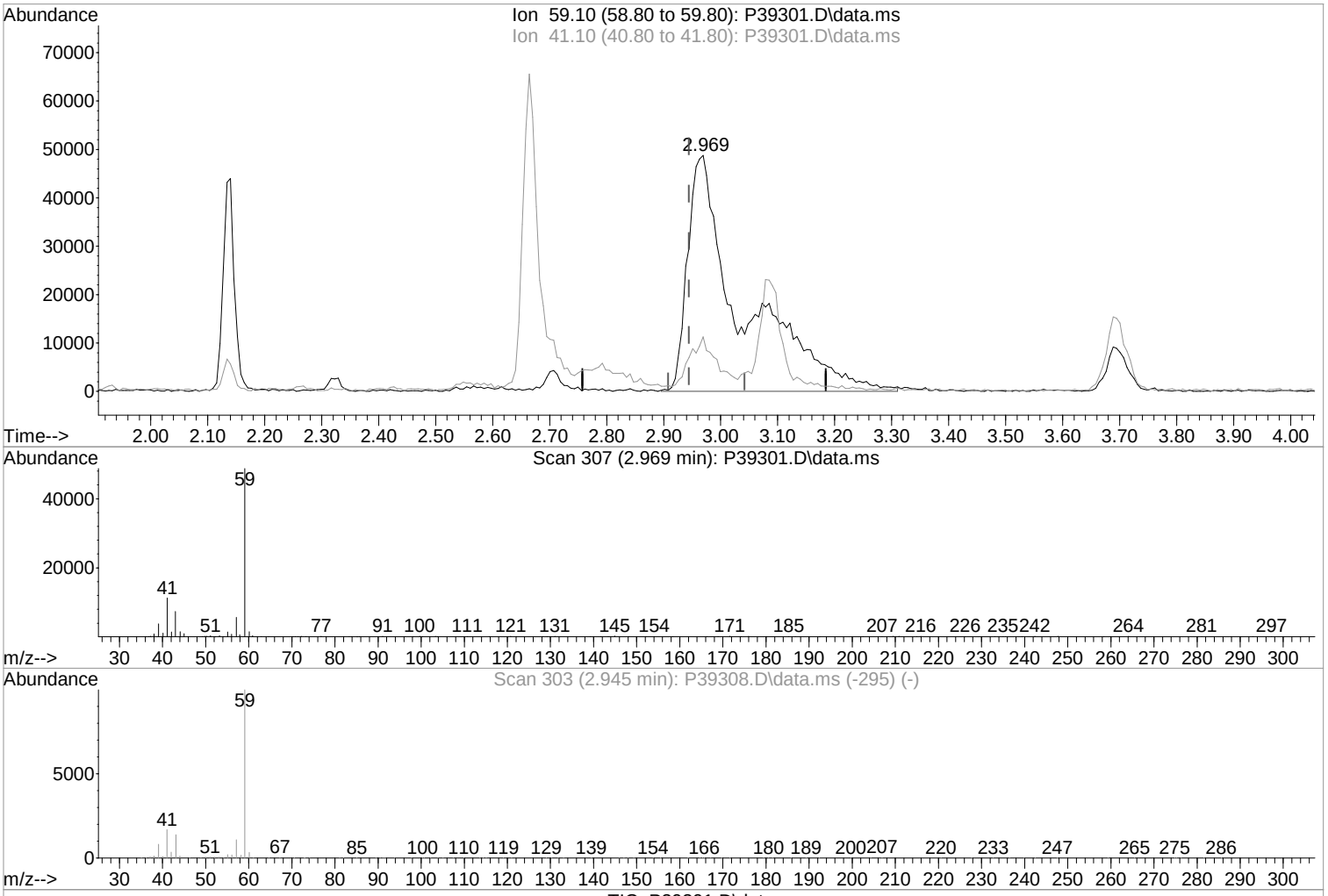
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39301.D\data.ms

(23) TBA

2.969min (+0.024) 425.59 ppb m

response 321162

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	23.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

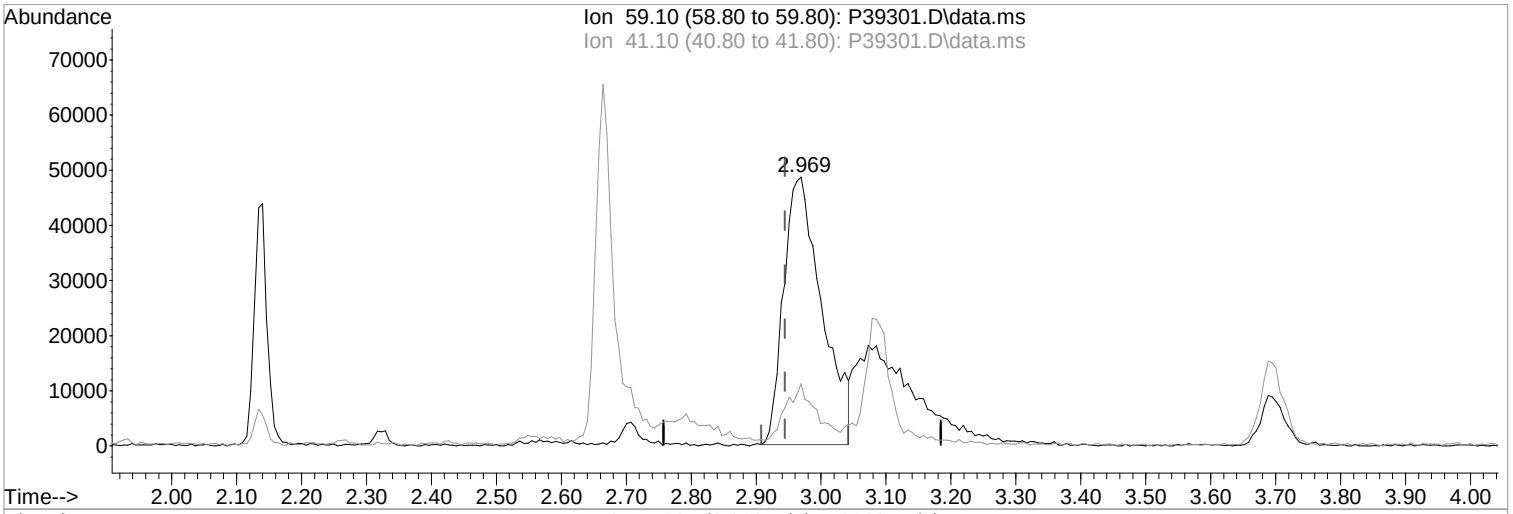
Poor integration.

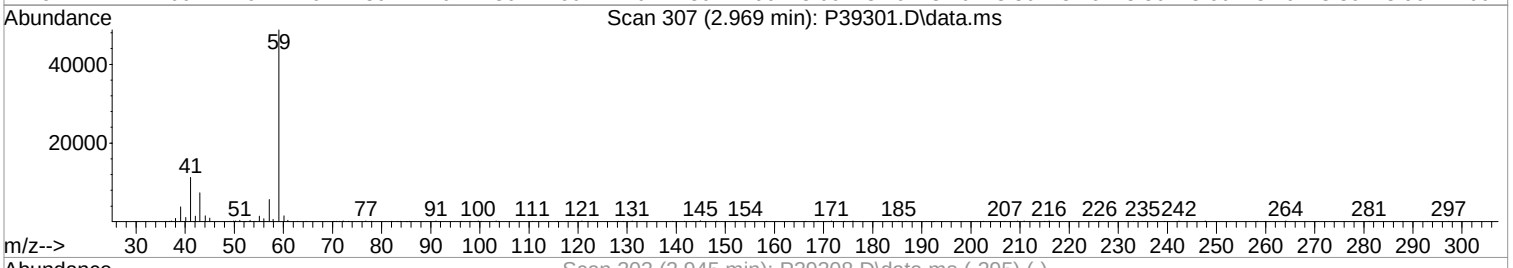
09/05/20

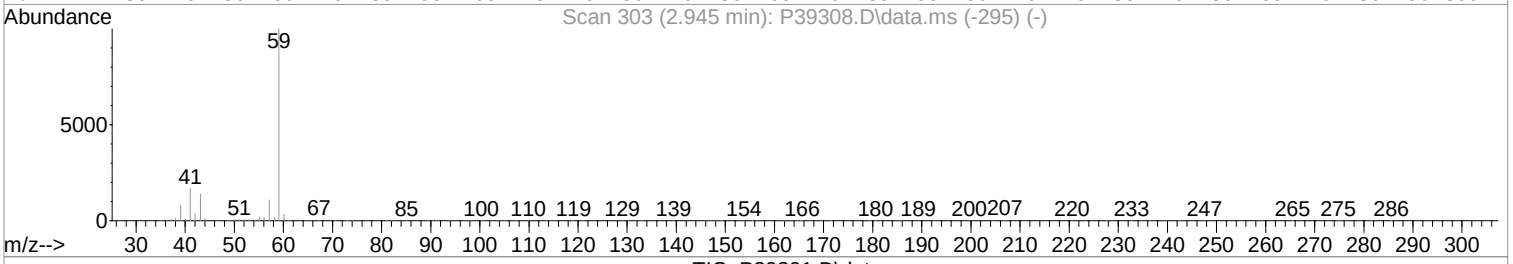
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39301.D\data.ms

(23) TBA

2.969min (+0.024) 262.65 ppb

response 198200

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	23.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

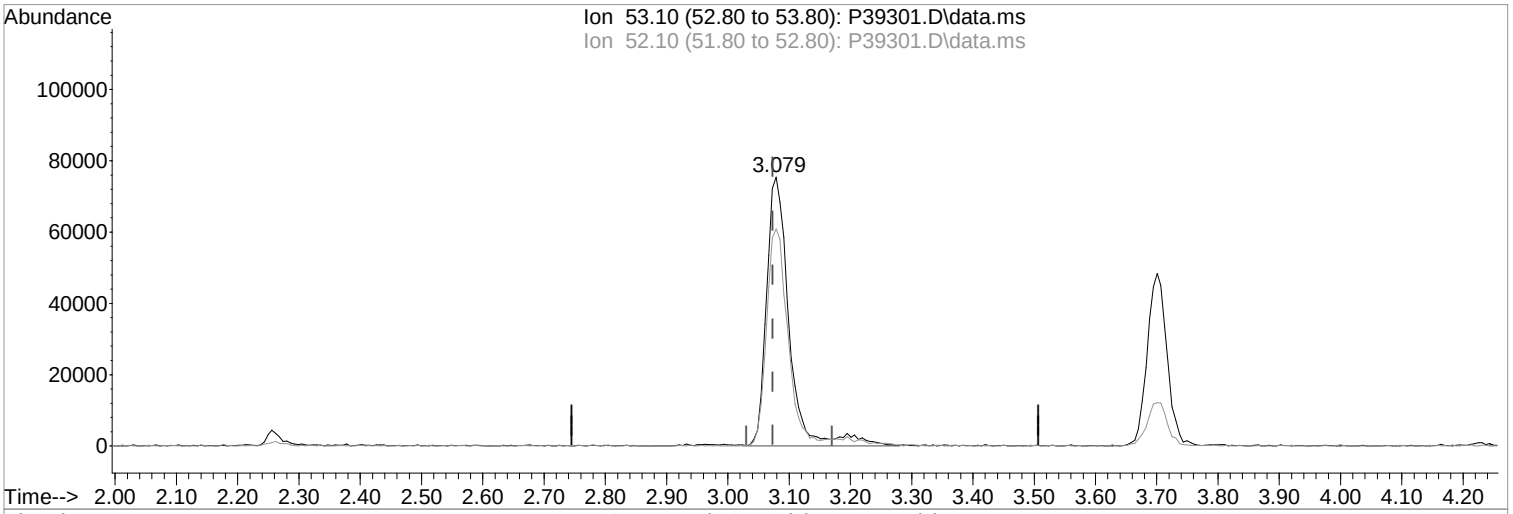
09/05/20

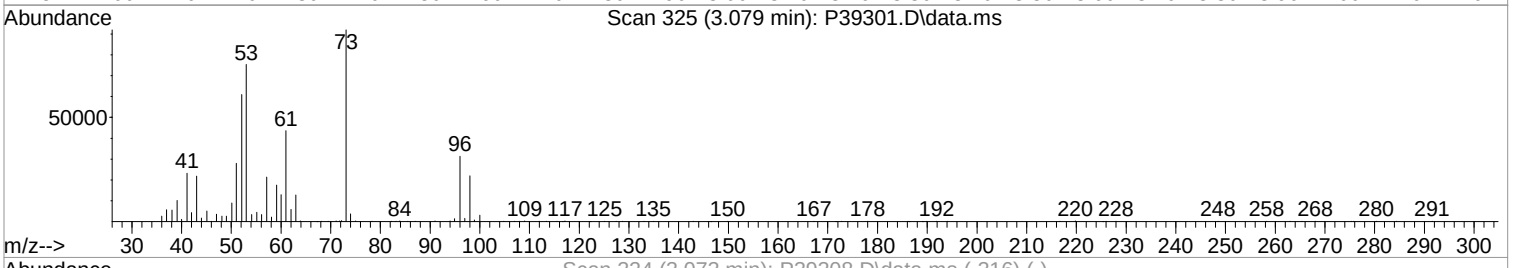
1st 09/05/20
2nd 09/05/20

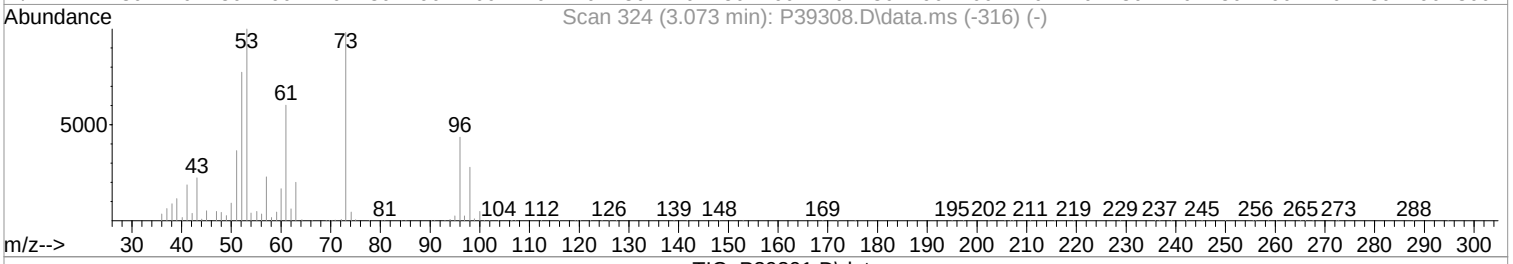
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39301.D\data.ms

(24) Acrylonitrile

3.079min (+0.006) 108.33 ppb m

response 194387

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	80.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

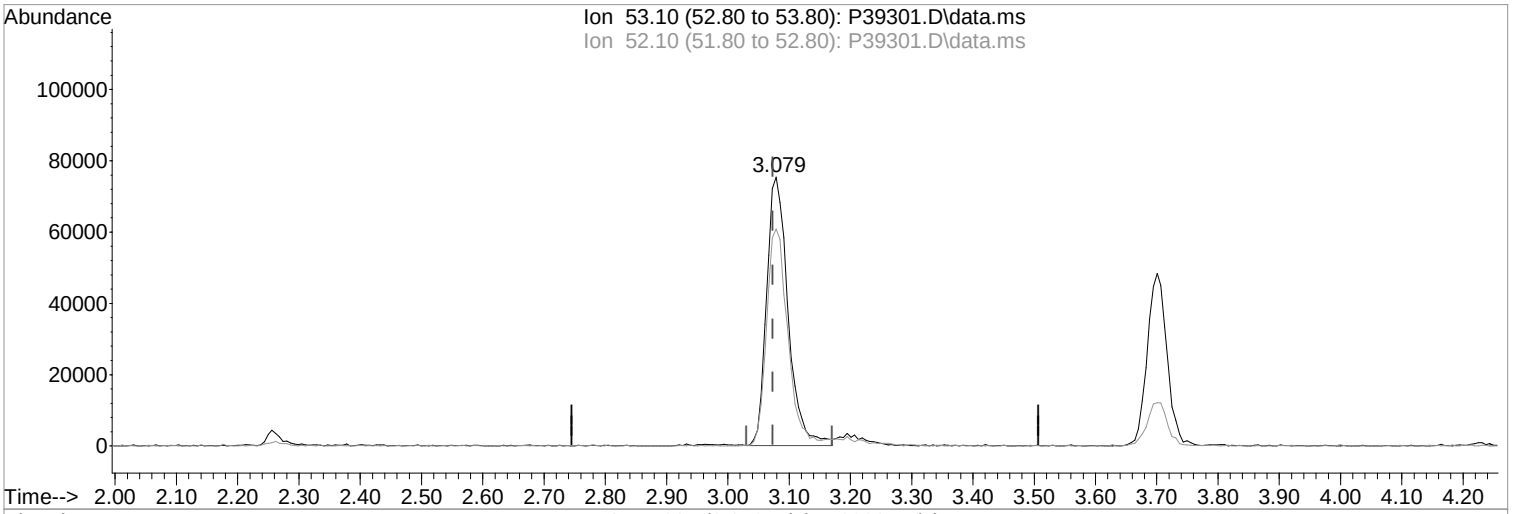
Poor integration.

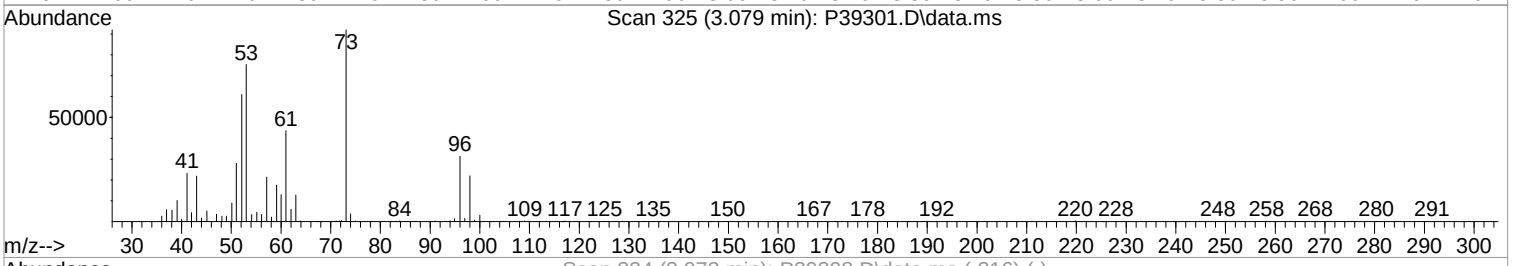
09/05/20

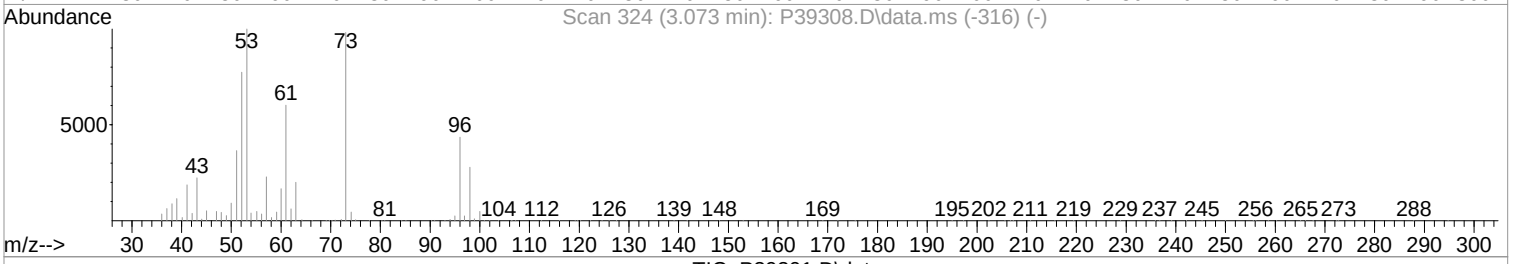
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39301.D\data.ms

(24) Acrylonitrile

3.079min (+0.006) 101.86 ppb

response 182793

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	80.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

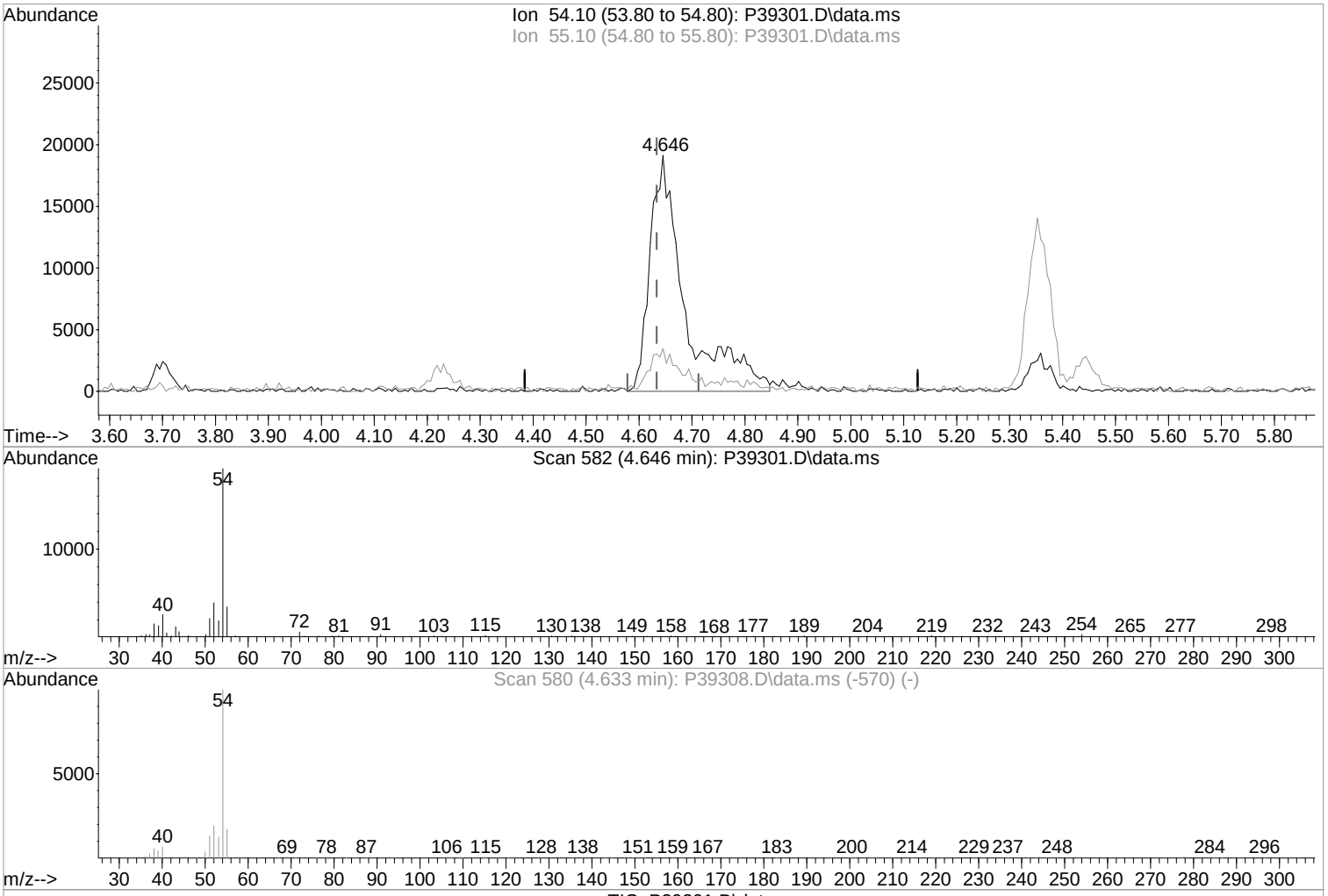
Before

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39301.D\data.ms

(36) Propionitrile

4.646min (+0.012) 101.02 ppb m

response 88635

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	18.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

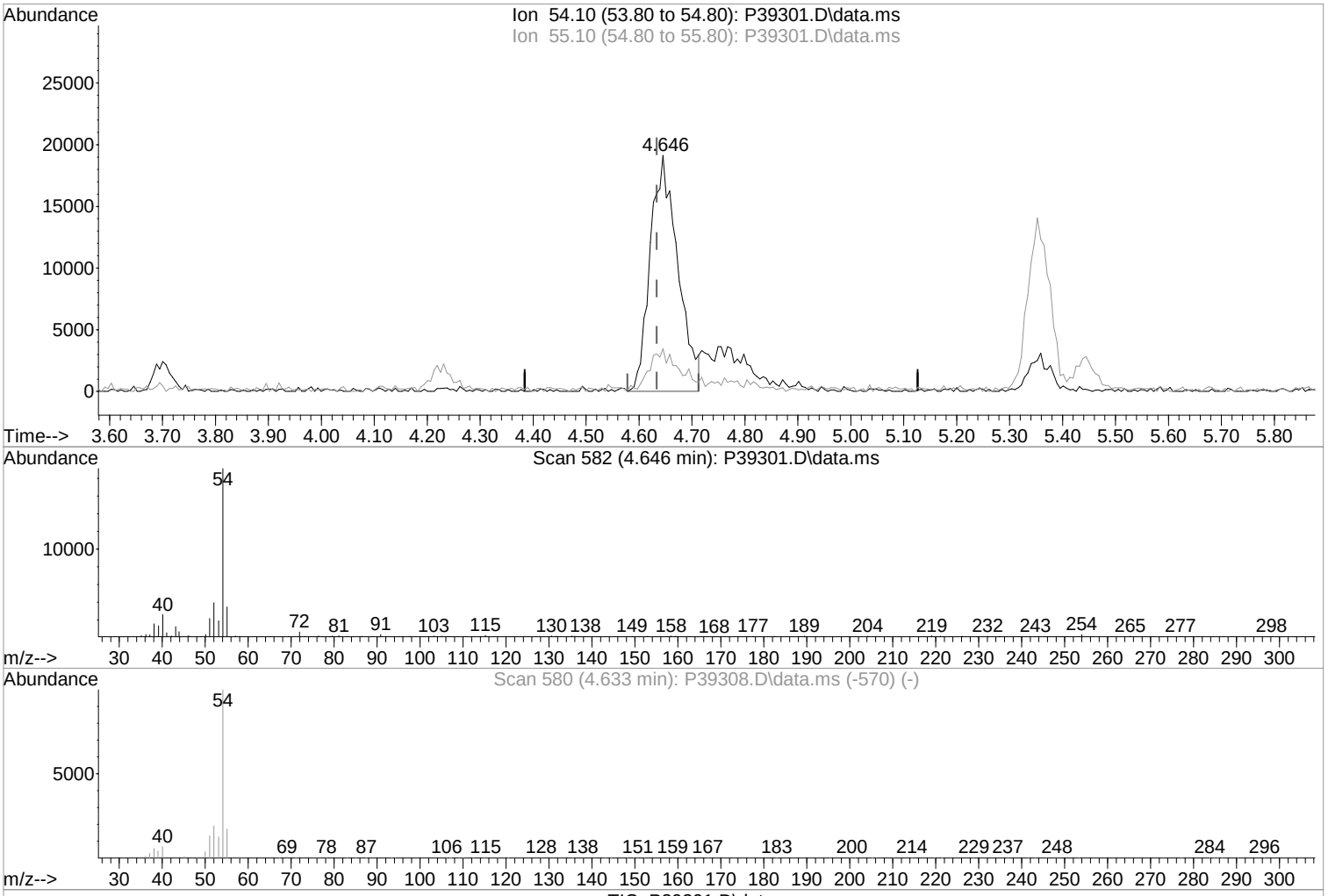
Poor integration.

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39301.D\data.ms

(36) Propionitrile

4.646min (+0.012) 79.03 ppb

response 69342

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	18.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

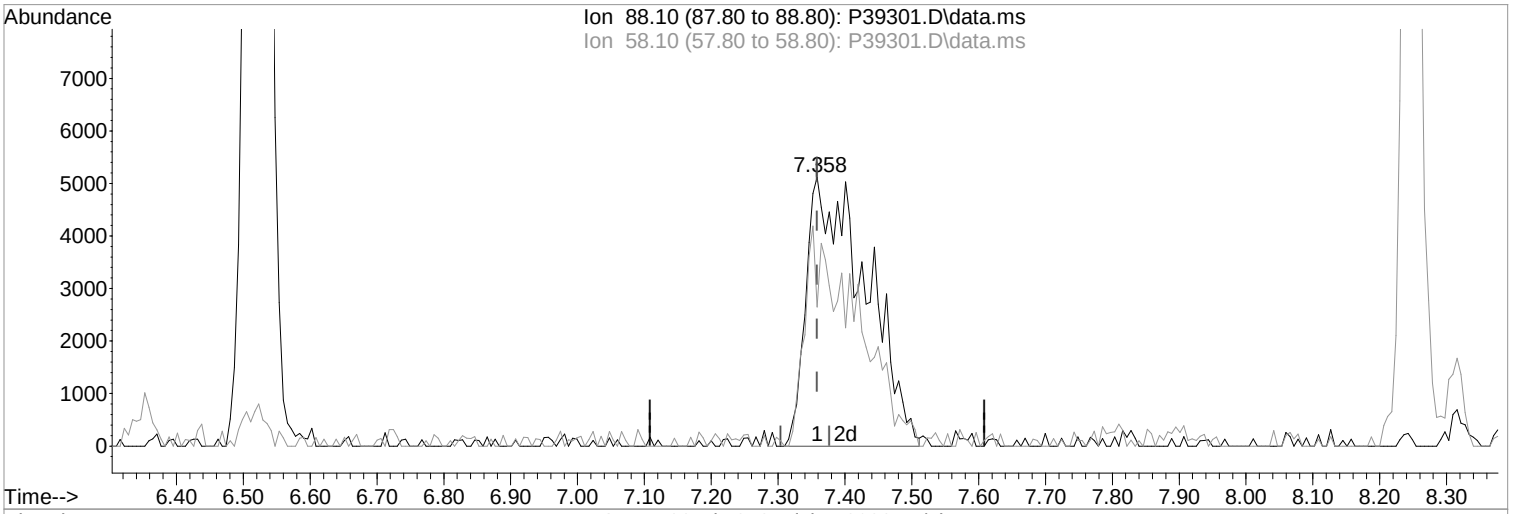
09/05/20

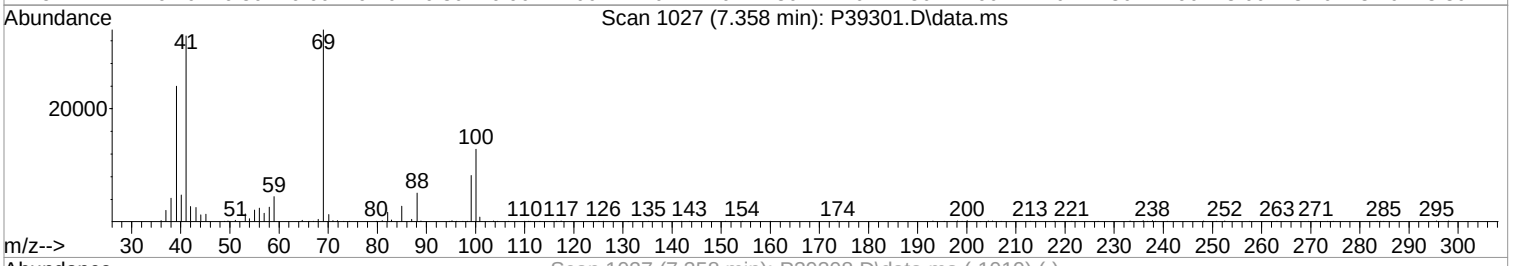
1st 09/05/20
2nd 09/05/20

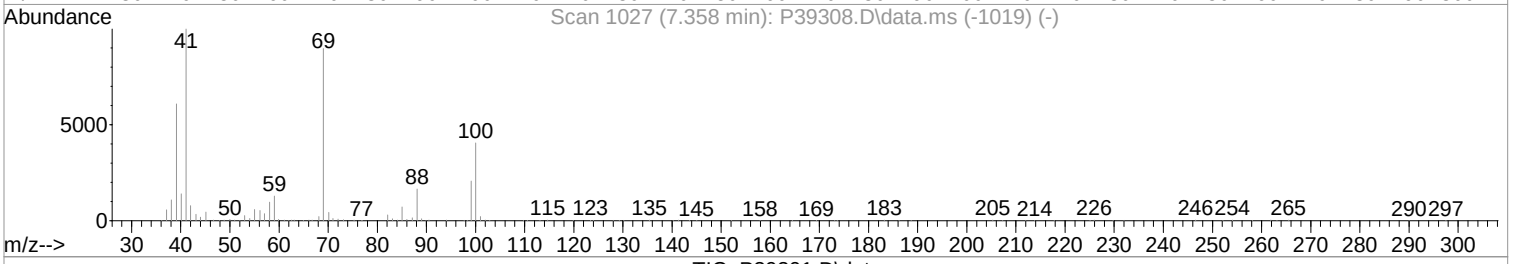
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39301.D\data.ms

(58) 1,4-Dioxane

7.358min (-0.000) 390.23 ppb m

response 31618

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	51.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

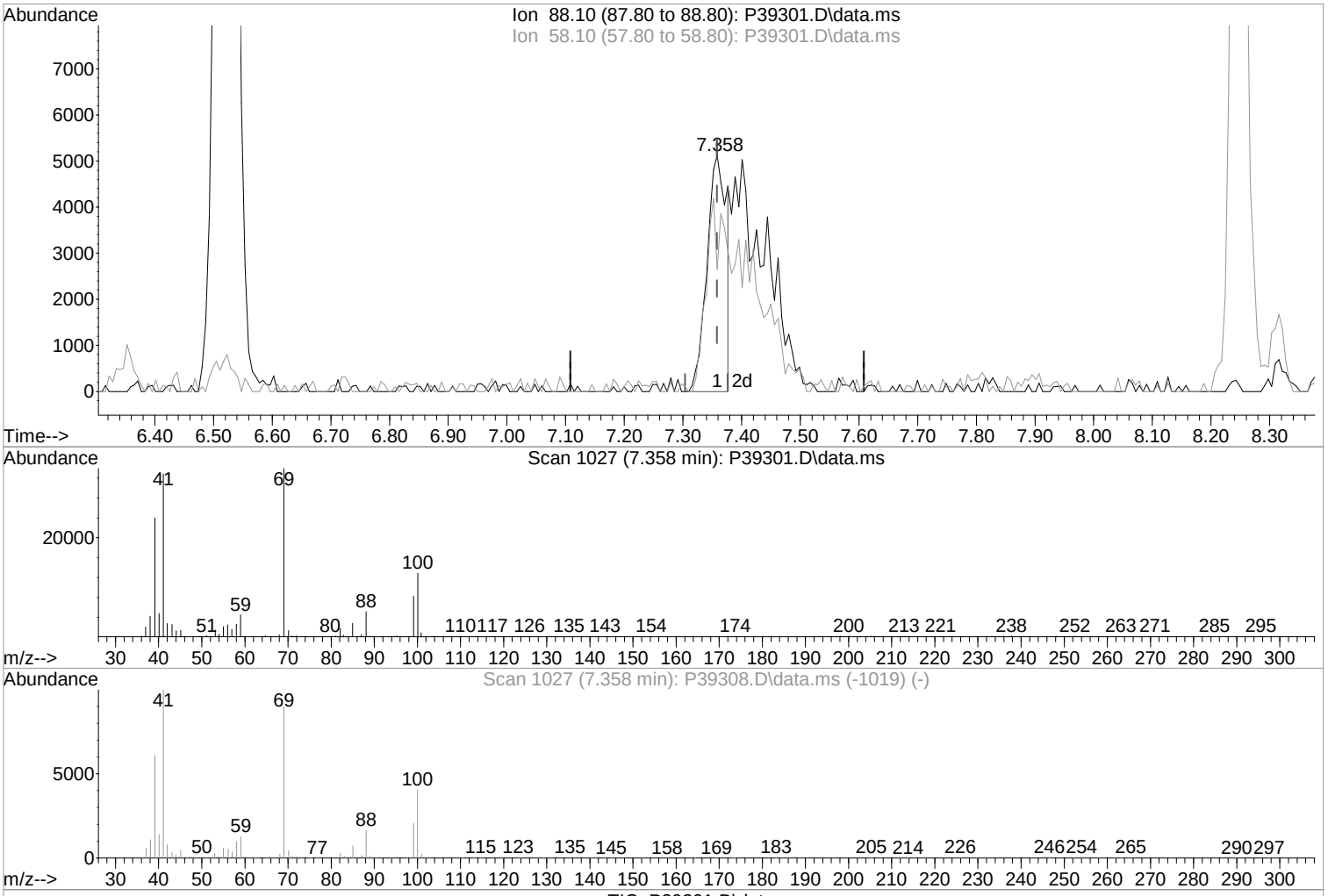
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 17:26:20 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39301.D\data.ms

(58) 1,4-Dioxane

7.358min (-0.000) 146.72 ppb

response 11888

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	51.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/05/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 09:01:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	336538	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	505803	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	471190	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	246446	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	54106	18.22	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 36.44%#				
48) surr1,1,2-dichloroetha...	5.853	65	74726	18.85	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 37.70%#				
65) SURR3,Toluene-d8	8.316	98	248732	18.43	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 36.86%#				
70) SURR2,BFB	10.870	95	93324	17.83	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 35.66%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	93926	21.14	ppb		99
3) Chloromethane	1.317	50	91372	19.86	ppb		95
4) Vinyl Chloride	1.390	62	123165	21.96	ppb		97
5) Bromomethane	1.634	94	90373	18.30	ppb		99
6) Chloroethane	1.701	64	81654	19.98	ppb		99
7) Freon 21	1.853	67	121015	18.96	ppb		99
8) Trichlorofluoromethane	1.896	101	102755	19.47	ppb		97
9) Diethyl Ether	2.140	59	60209	19.52	ppb		99
10) Freon 123a	2.146	67	69919	19.57	ppb		92
11) Freon 123	2.201	83	84094	19.93	ppb		97
12) Acrolein	2.256	56	94336	106.14	ppb		98
13) 1,1-Diclethene	2.323	96	49095	19.79	ppb		93
14) Freon 113	2.323	101	58977	21.08	ppb		94
15) Acetone	2.408	43	33680	21.18	ppb		80
16) 2-Propanol	2.554	45	169558m	415.35	ppb		
17) Iodomethane	2.463	142	72892	22.44	ppb		96
18) Carbon Disulfide	2.518	76	180101	21.10	ppb		99
19) Acetonitrile	2.664	40	12796m	99.63	ppb		
20) Allyl Chloride	2.664	76	33496	20.45	ppb		95
21) Methyl Acetate	2.707	43	70030	20.58	ppb		94
22) Methylene Chloride	2.786	84	66311	20.03	ppb		98
23) TBA	2.969	59	321162m	425.59	ppb		
24) Acrylonitrile	3.079	53	194387m	108.33	ppb		
25) Methyl-t-Butyl Ether	3.085	73	239758	21.08	ppb		99
26) trans-1,2-Dichloroethene	3.073	96	58451	20.31	ppb		95
28) 1,1-Diclethane	3.591	63	117333	21.27	ppb		94
29) Vinyl Acetate	3.682	86	14454	23.01	ppb	#	79
30) DIPE	3.695	45	194428	20.40	ppb		97
31) 2-Chloro-1,3-Butadiene	3.701	53	108784	20.84	ppb		99
32) ETBE	4.225	59	209481	21.46	ppb		97
33) 2,2-Dichloropropane	4.420	77	107200	20.81	ppb		98
34) cis-1,2-Dichloroethene	4.438	96	69887	20.09	ppb		90
35) 2-Butanone	4.530	43	44278	20.29	ppb		96
36) Propionitrile	4.646	54	88635m	101.02	ppb		
37) Bromochloromethane	4.847	130	46855	20.93	ppb		96
38) Methacrylonitrile	4.889	67	43036	20.65	ppb		95
39) Tetrahydrofuran	4.975	42	29918	18.00	ppb		80
40) Chloroform	5.030	83	115858	20.03	ppb		95
41) 1,1,1-Trichloroethane	5.298	97	102541	19.60	ppb		91

1st 09/05/20
2nd 09/05/20

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 09:01:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.127	73	218631	20.98	ppb		97
44) Cyclohexane	5.353	41	62373	20.44	ppb		88
46) Carbontetrachloride	5.554	117	82102	20.41	ppb		96
47) 1,1-Dichloropropene	5.578	75	90184	20.89	ppb		96
49) Benzene	5.901	78	278384	20.77	ppb		98
50) 1,2-Dichloroethane	5.962	62	101355	21.11	ppb		97
51) Iso-Butyl Alcohol	5.981	43	78350	370.42	ppb		98
52) n-Heptane	6.346	43	75054	19.51	ppb		88
53) 1-Butanol	6.919	56	143319	943.91	ppb		100
54) Trichloroethene	6.834	130	76771	20.33	ppb		96
55) Methylcyclohexane	7.048	55	91966	21.39	ppb		96
56) 1,2-Diclpropane	7.133	63	70640	20.77	ppb		97
57) Dibromomethane	7.279	93	46902	20.23	ppb		96
58) 1,4-Dioxane	7.358	88	31618m	390.23	ppb		
59) Methyl Methacrylate	7.352	69	67456	20.14	ppb		87
60) Bromodichloromethane	7.499	83	89093	19.88	ppb		93
62) 2-Chloroethylvinyl Ether	7.901	63	44011	20.17	ppb		94
63) cis-1,3-Dichloropropene	8.029	75	115441	21.39	ppb		99
64) 4-Methyl-2-pentanone	8.248	43	99341	21.81	ppb		96
66) Toluene	8.389	91	318099	20.76	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	110678	21.30	ppb		98
68) Ethyl Methacrylate	8.797	69	118557	20.57	ppb		97
69) 1,1,2-Trichloroethane	8.858	97	70473	21.07	ppb		94
72) Tetrachloroethene	8.968	164	58572	20.27	ppb		93
73) 2-Hexanone	9.151	43	71973	20.79	ppb		93
74) 1,3-Dichloropropane	9.029	76	123383	20.42	ppb		99
75) Dibromochloromethane	9.248	129	65206	20.23	ppb		96
76) N-Butyl Acetate	9.291	43	143964	20.34	ppb		98
77) 1,2-Dibromoethane	9.340	107	74883	20.65	ppb		85
78) Chlorobenzene	9.827	112	204071	20.55	ppb		96
79) 3-CBTF	9.840	180	113503	20.96	ppb		98
80) 4-CBTF	9.895	180	99117	20.81	ppb		98
81) 1,1,1,2-Tetrachloroethane	9.913	131	70717	20.77	ppb		93
82) Ethylbenzene	9.937	106	112332	20.53	ppb		97
83) (m+p)Xylene	10.047	106	283924	43.05	ppb		99
84) o-Xylene	10.407	106	138566	20.94	ppb		95
85) Styrene	10.425	104	235827	21.07	ppb		97
87) Bromoform	10.583	173	44193	20.48	ppb		99
88) 2-CBTF	10.657	180	105130	20.63	ppb		91
89) Isopropylbenzene	10.736	105	355438	21.87	ppb		99
90) Cyclohexanone	10.827	55	390171	433.28	ppb		93
91) trans-1,4-Dichloro-2-B...	11.059	53	28285	21.17	ppb		90
92) 1,1,2,2-Tetrachloroethane	11.016	83	97045	21.04	ppb		99
93) Bromobenzene	10.992	156	90187	20.64	ppb		93
94) 1,2,3-Trichloropropane	11.041	110	36432	20.42	ppb	#	87
95) n-Propylbenzene	11.089	91	411813	22.18	ppb		99
96) 2-Chlorotoluene	11.156	91	252903	20.87	ppb		97
97) 3-Chlorotoluene	11.211	91	252463	21.13	ppb		94
98) 4-Chlorotoluene	11.248	91	286067	20.77	ppb		96
99) 1,3,5-Trimethylbenzene	11.242	105	305470	21.57	ppb		99
100) tert-Butylbenzene	11.510	119	261796	21.76	ppb		96
101) 1,2,4-Trimethylbenzene	11.553	105	310541	22.04	ppb		100
102) 3,4-DCBTF	11.614	214	86357	20.81	ppb		96
103) sec-Butylbenzene	11.693	105	379975	22.18	ppb		97
104) p-Isopropyltoluene	11.815	119	327128	22.11	ppb		99
105) 1,3-Dclbenz	11.784	146	174284	21.12	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 09:01:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.858	146	183186	21.04	ppb	98
107) 2,4-DCBTF	11.906	214	76795	20.75	ppb	99
108) 2,5-DCBTF	11.949	214	89110	20.87	ppb	96
109) n-Butylbenzene	12.144	91	287127	21.57	ppb	98
110) 1,2-Dclbenz	12.156	146	183032	21.50	ppb	95
111) 1,2-Dibromo-3-chloropr...	12.790	157	28645	21.46	ppb	91
112) Trielution Dichlorotol...	12.894	125	475408	62.34	ppb	99
113) 1,3,5 Trichlorobenzene	12.943	180	128697	20.38	ppb	95
114) Coelution Dichlorotoluene	13.223	125	350744	42.49	ppb	98
115) 1,2,4-Tcbenzene	13.430	180	132111	20.56	ppb	97
116) Hexachlorobt	13.558	225	48655	19.15	ppb	99
117) Naphthalen	13.626	128	445153	22.58	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	138831	21.39	ppb	98
119) 2,4,5-Trichlorotolene	14.388	159	101018	21.50	ppb	91
120) 2,3,6-Trichlorotoluene	14.473	159	90435	21.39	ppb	91

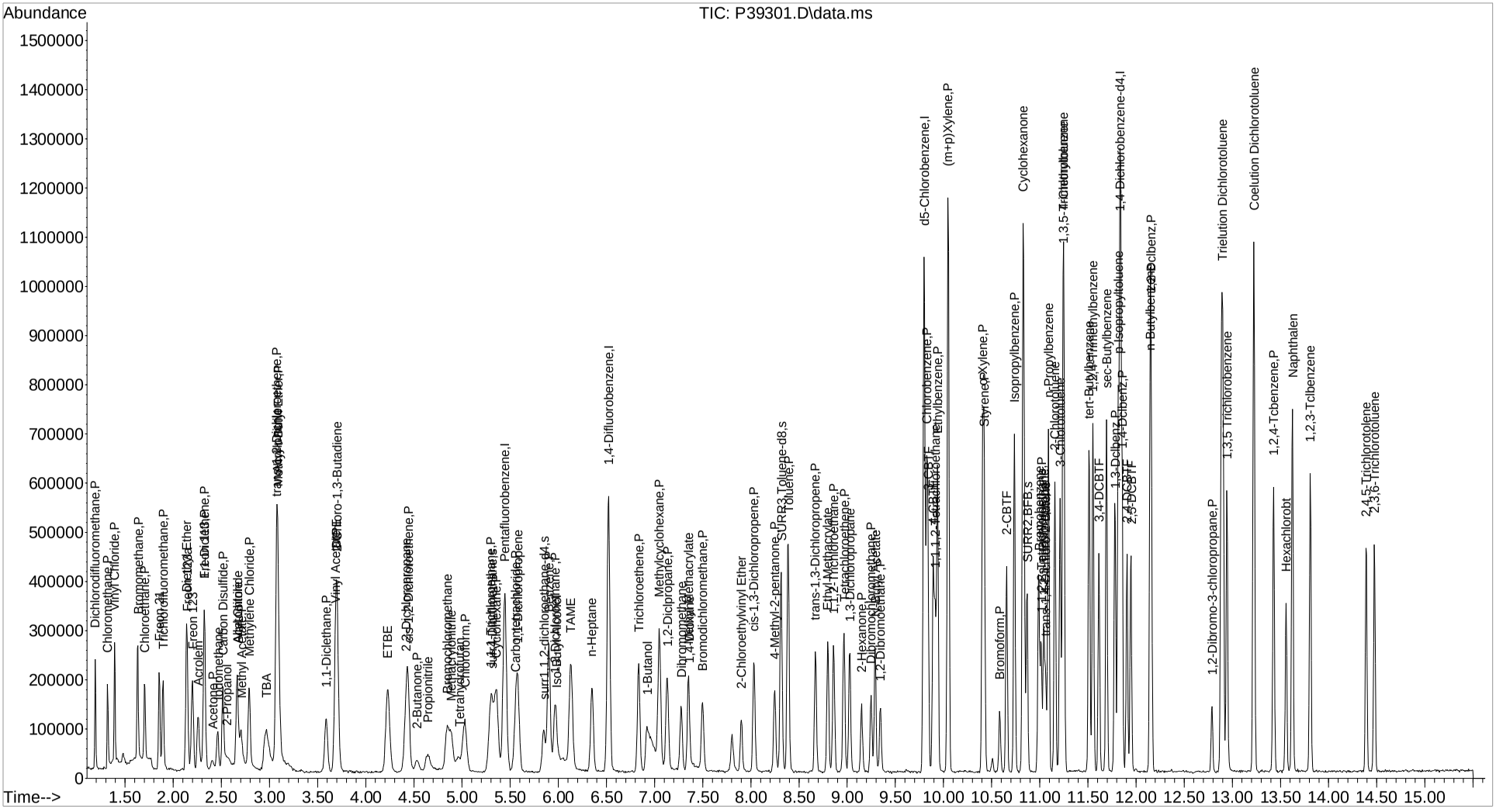
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39301.D
Acq On : 4 Sep 2020 1:40 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

09/05/20 1st 09/05/20 2nd

Quant Time: Sep 05 09:01:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

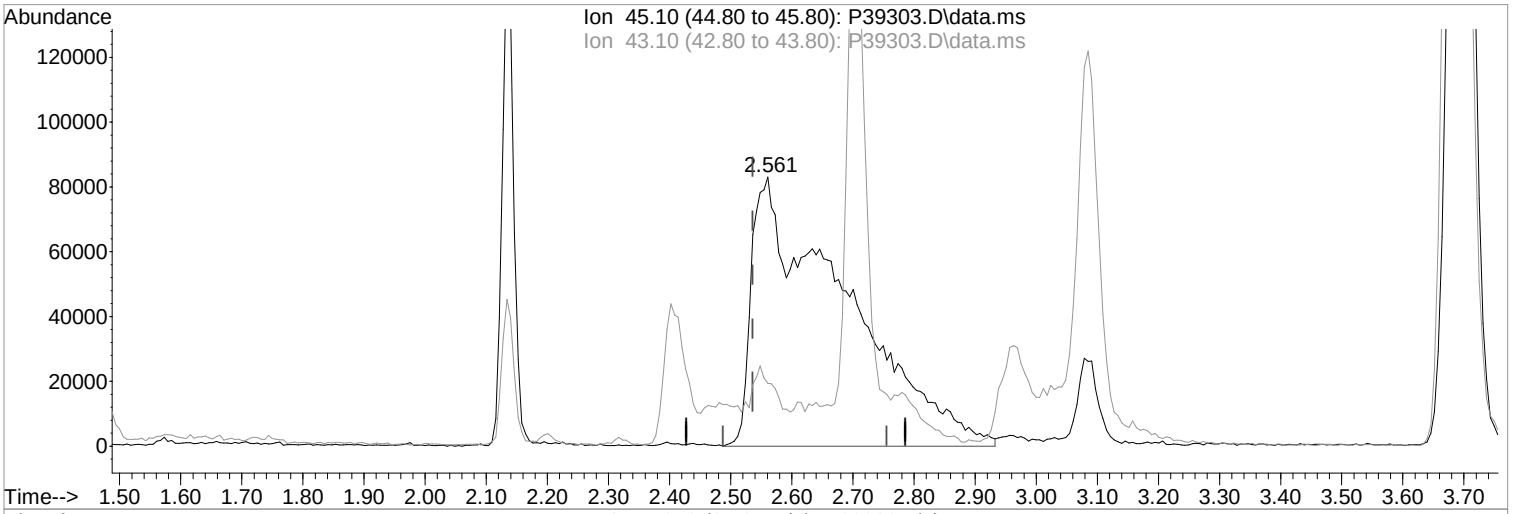


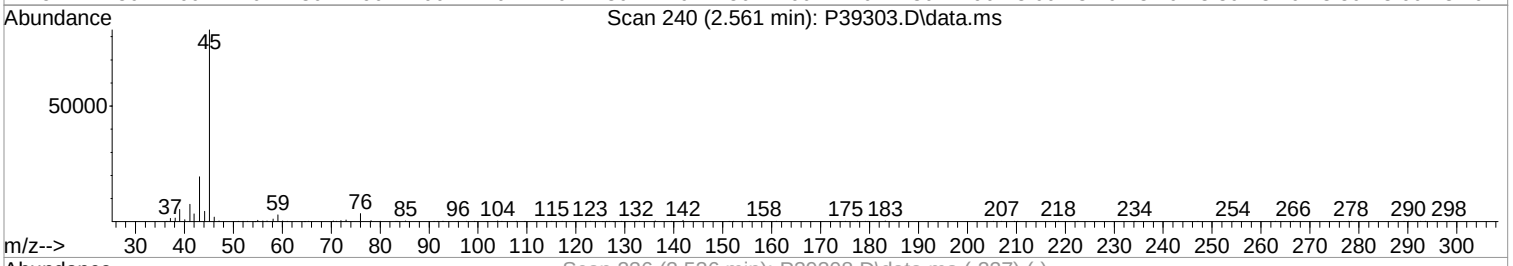
1st 09/05/20
2nd 09/05/20

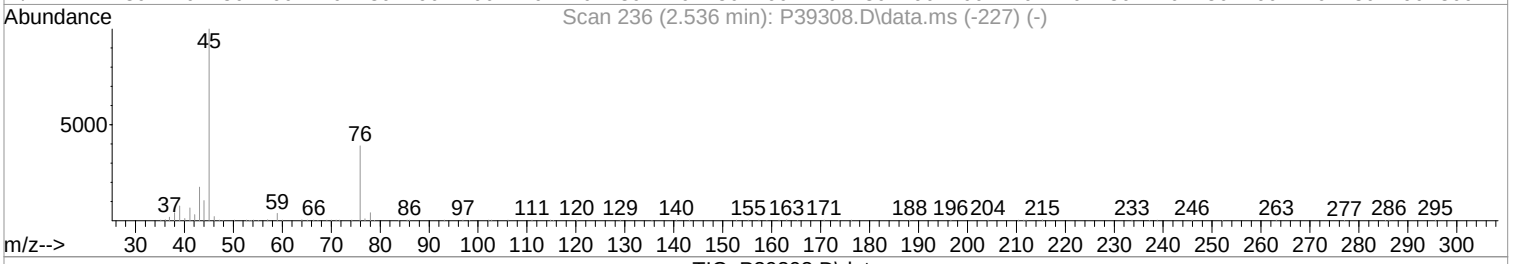
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 17:26:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39303.D\data.ms

(16) 2-Propanol

2.561min (+0.024) 2121.17 ppb m

response 882888

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	23.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

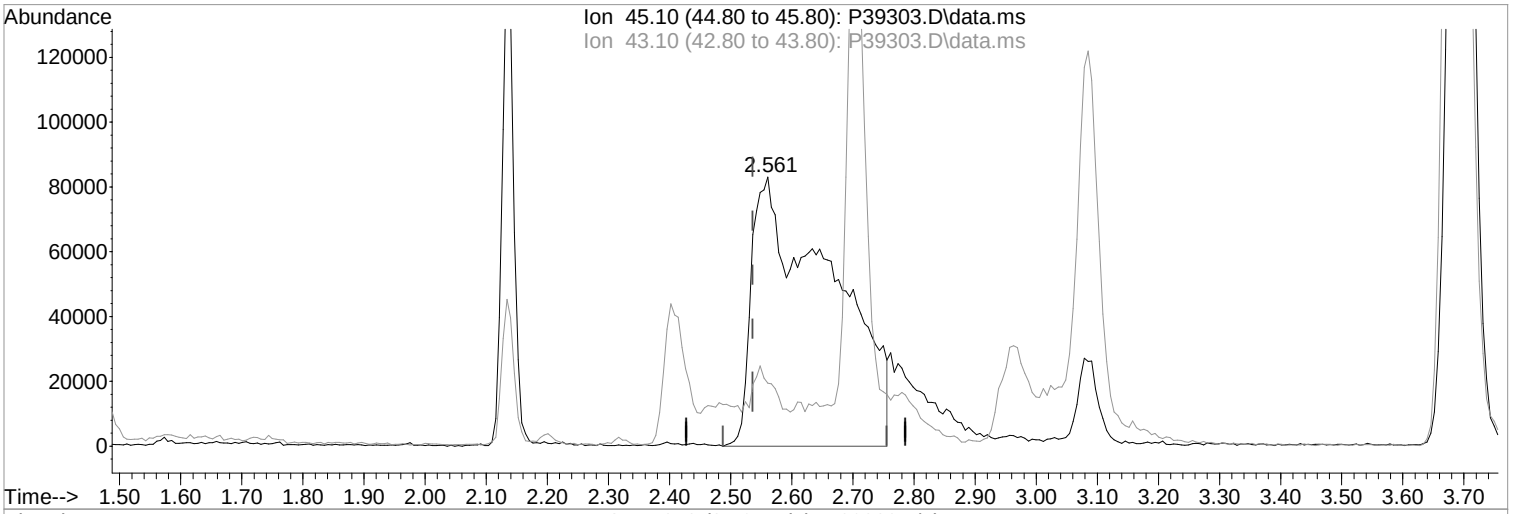
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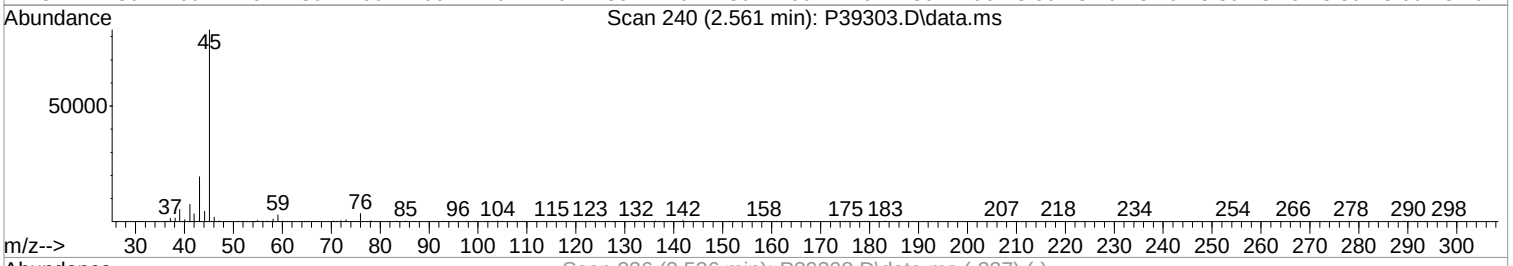
09/05/20

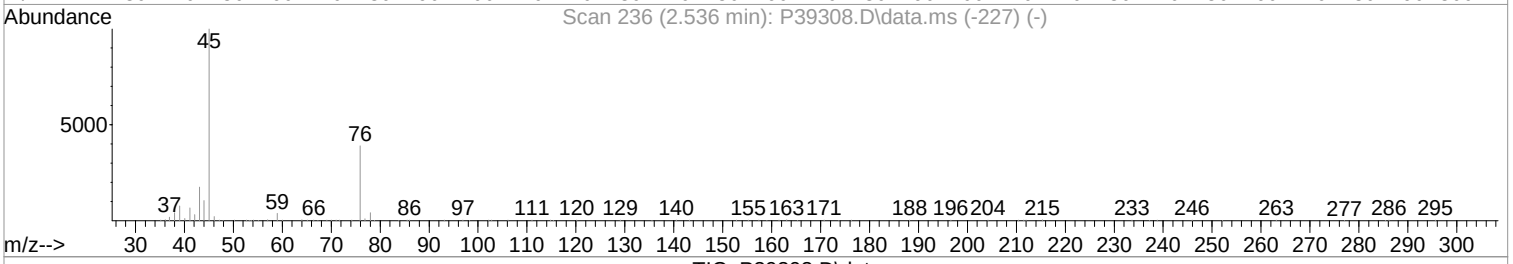
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 17:26:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39303.D\data.ms

(16) 2-Propanol

2.561min (+0.024) 1813.75 ppb

response 754930

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	23.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

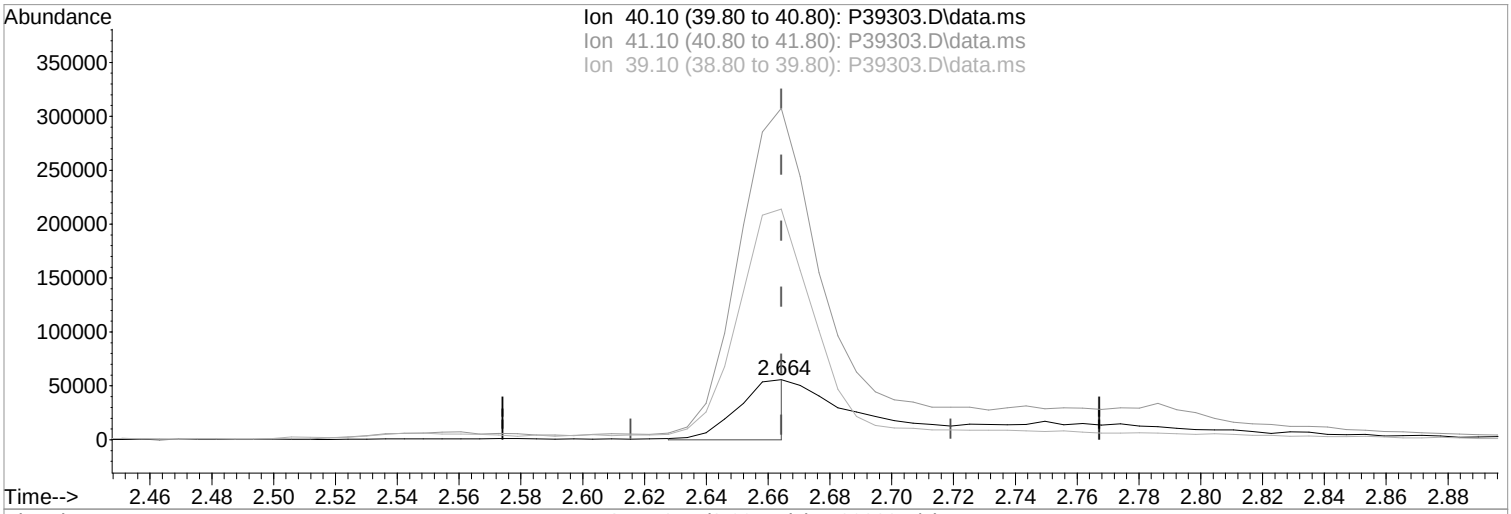
Before

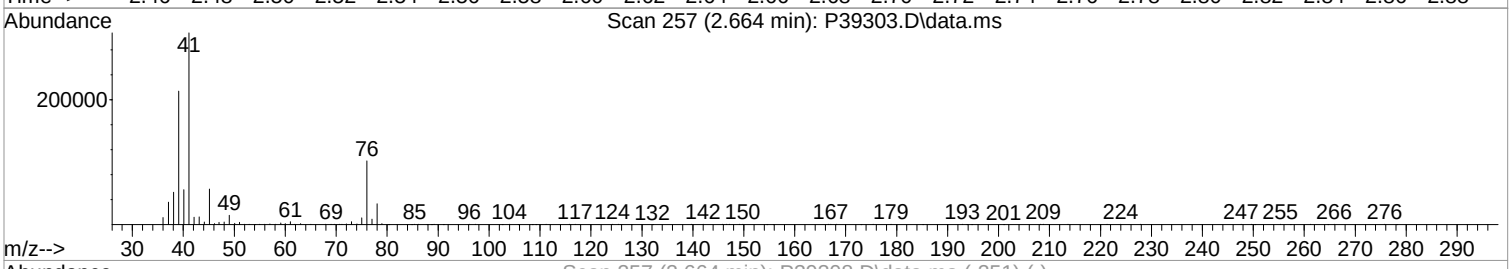
09/05/20

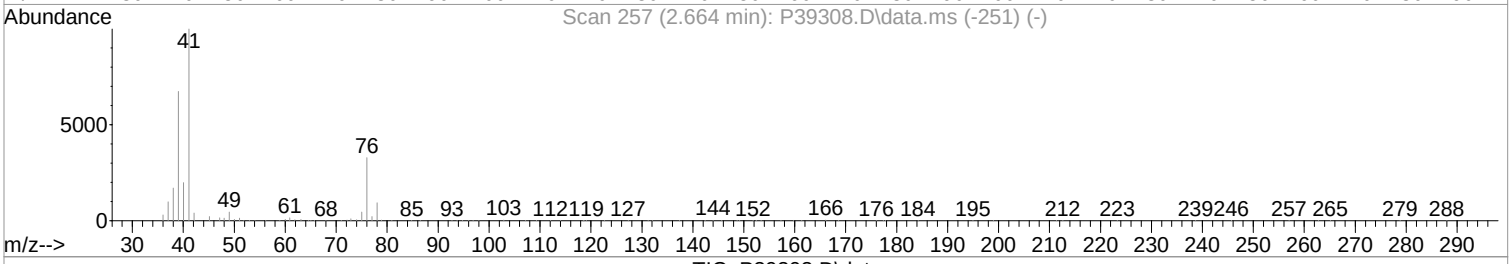
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
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Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

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Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
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TIC: P39303.D\data.ms

(19) Acetonitrile

2.664min (+0.000) 479.15 ppb m

response 62746

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	550.24#
39.10	343.30	382.71#
0.00	0.00	0.00

Manual Integration:

After

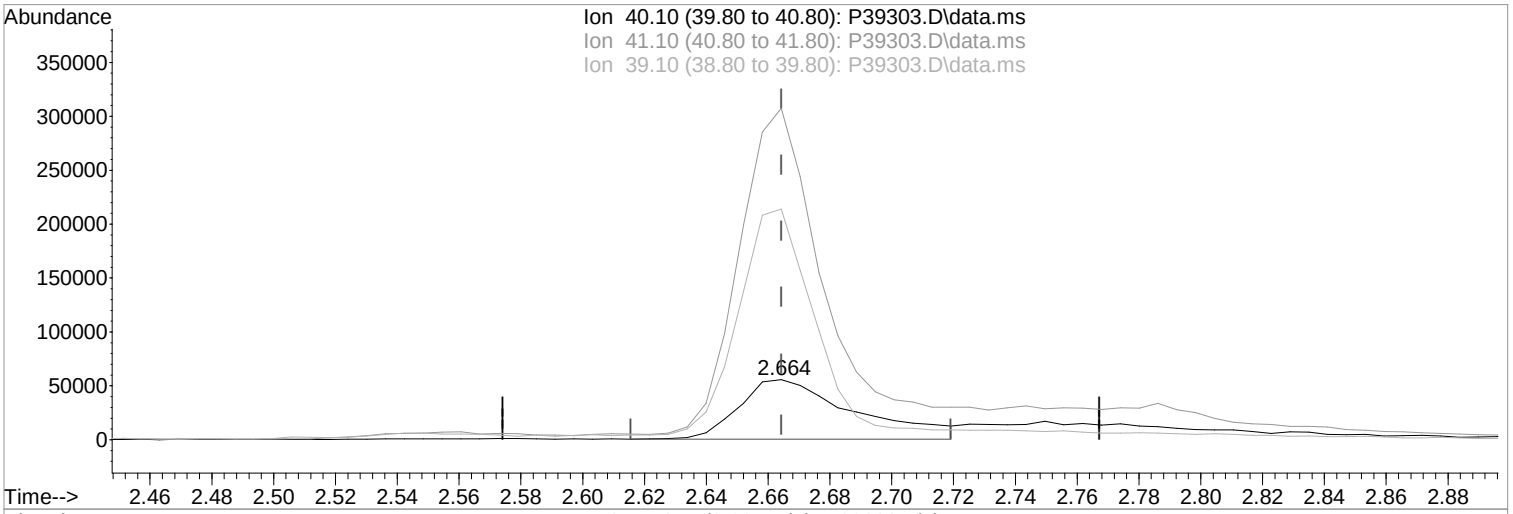
Poor integration.

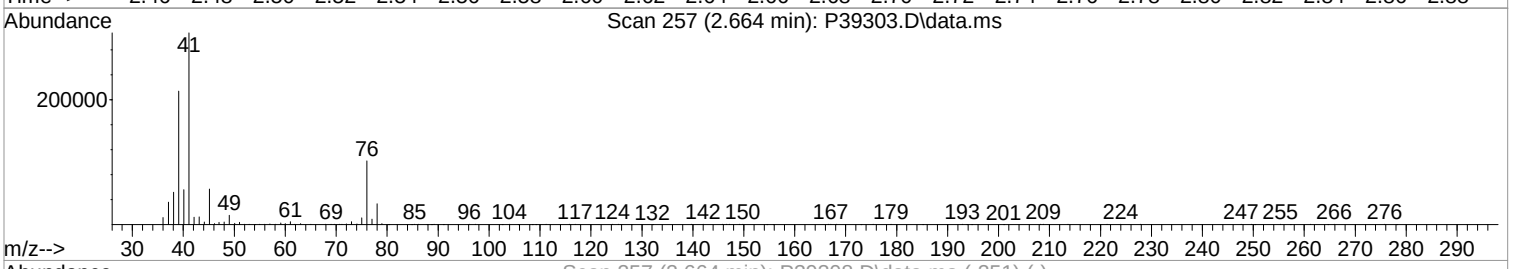
09/05/20

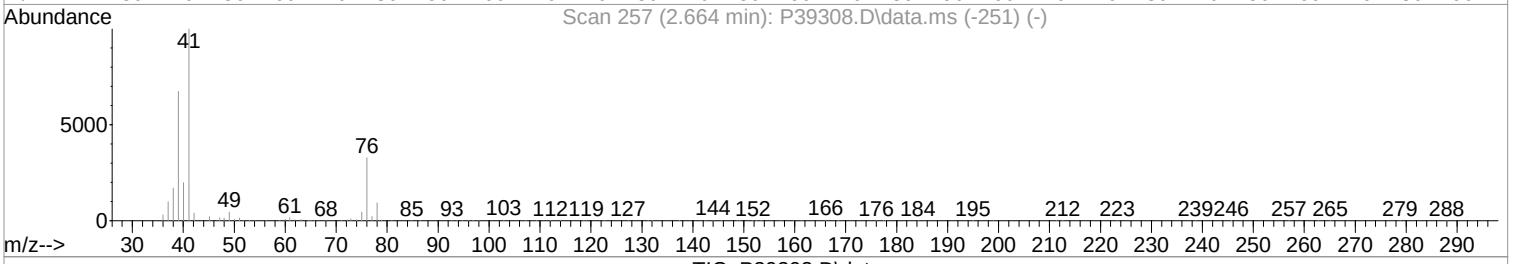
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

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Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39303.D\data.ms

(19) Acetonitrile

2.664min (+0.000) 1100.32 ppb

response 144090

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	550.24#
39.10	343.30	382.71#
0.00	0.00	0.00

Manual Integration:

Before

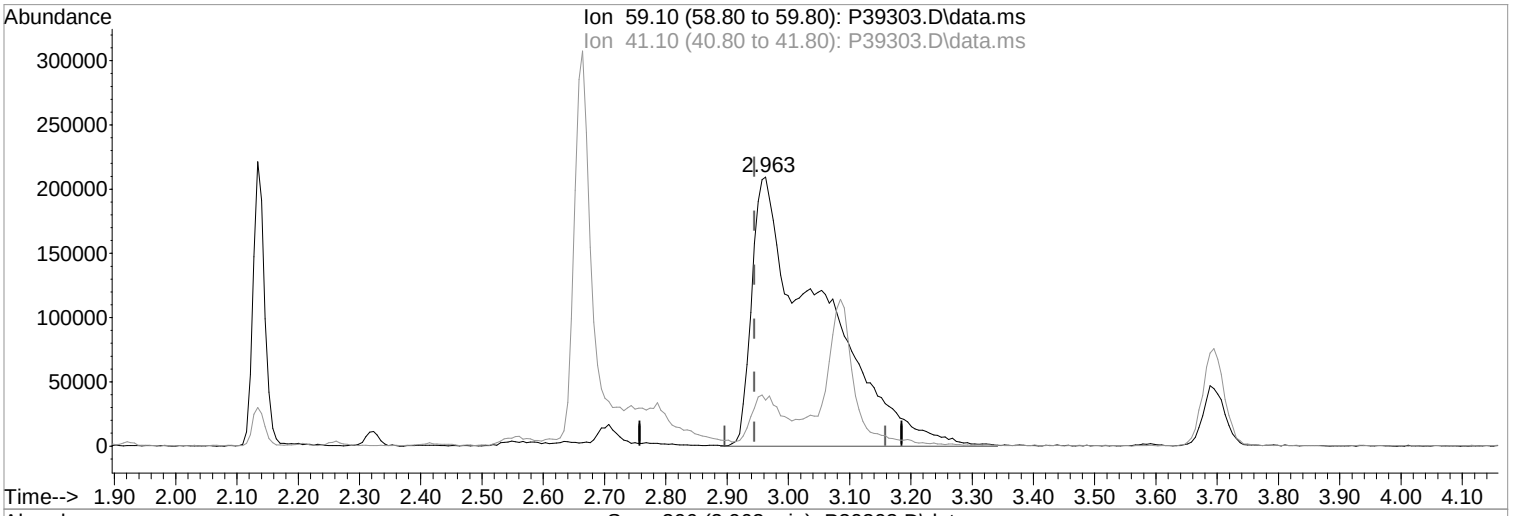
09/05/20

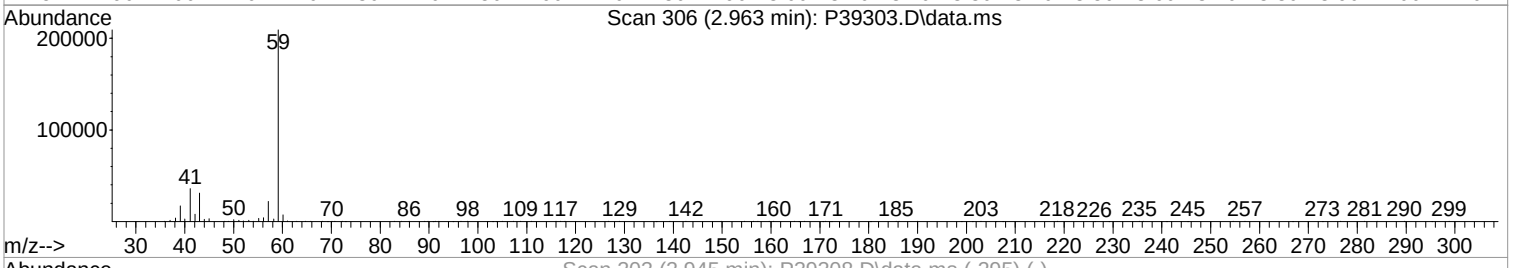
1st 09/05/20
2nd 09/05/20

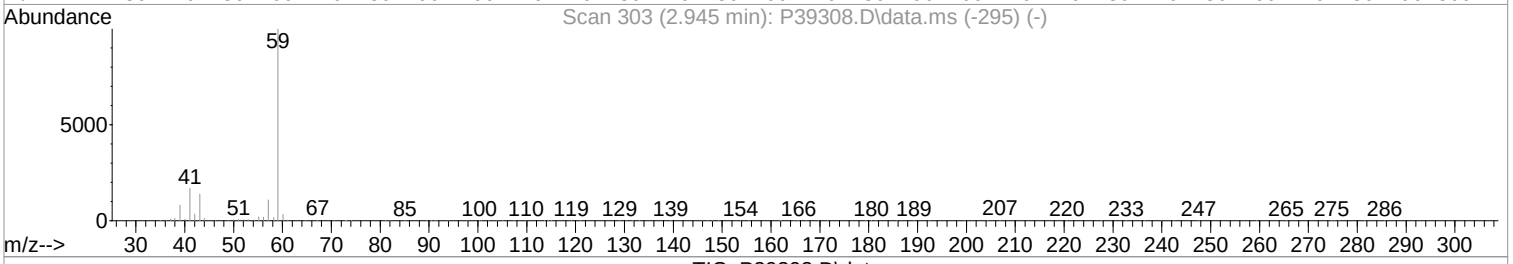
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 17:26:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39303.D\data.ms

(23) TBA

2.963min (+0.018) 2113.46 ppb m

response 1626102

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	17.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

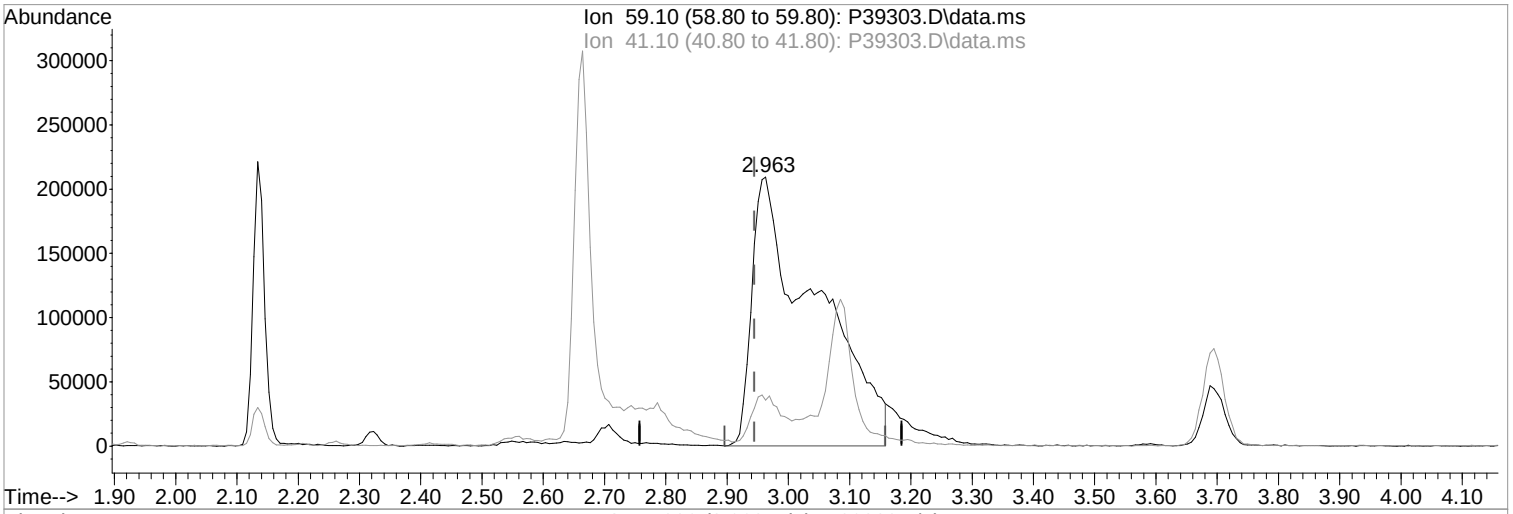
Poor integration.

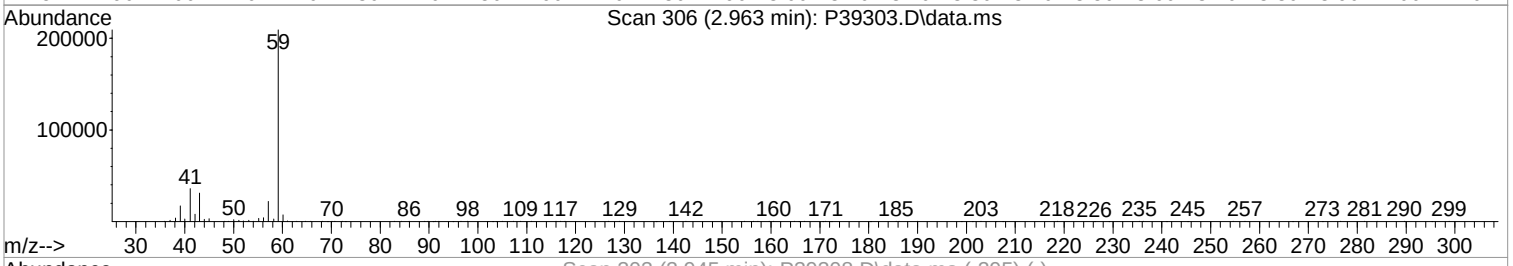
09/05/20

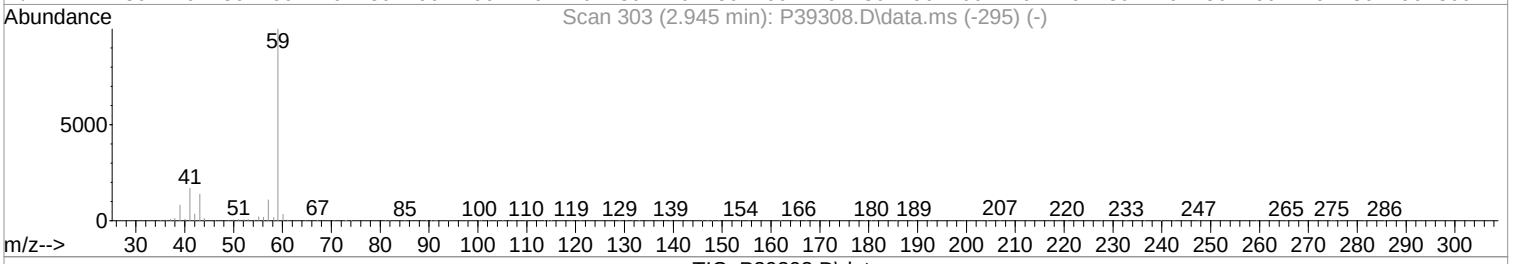
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 17:26:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39303.D\data.ms

(23) TBA

2.963min (+0.018) 1973.20 ppb

response 1518185

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	17.12
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

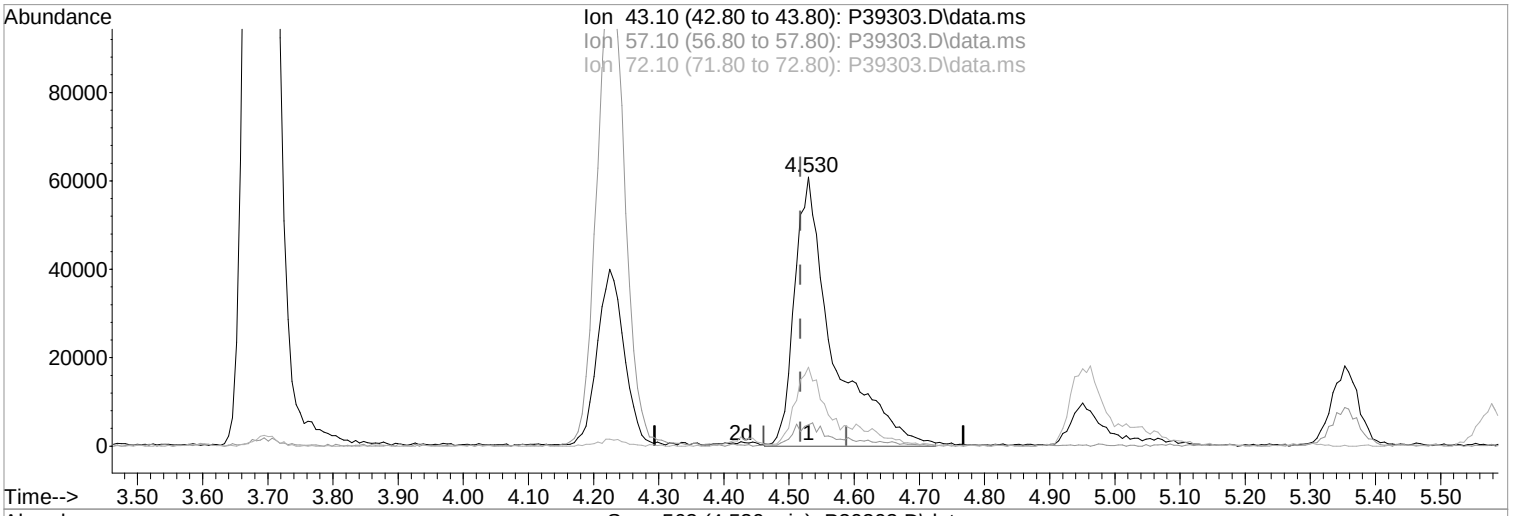
Before

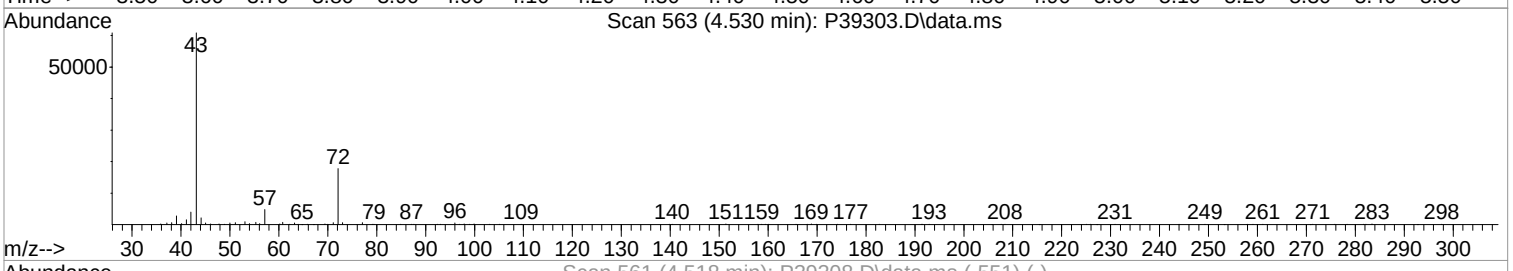
09/05/20

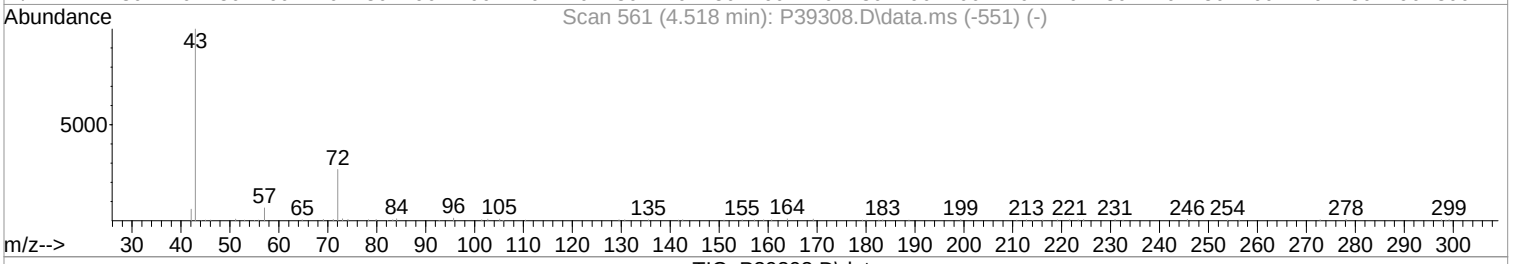
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 05 09:12:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39303.D\data.ms

(35) 2-Butanone (P)

4.530min (+0.012) 112.16 ppb m

response 249604

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	7.95
72.10	28.40	29.30
0.00	0.00	0.00

Manual Integration:

After

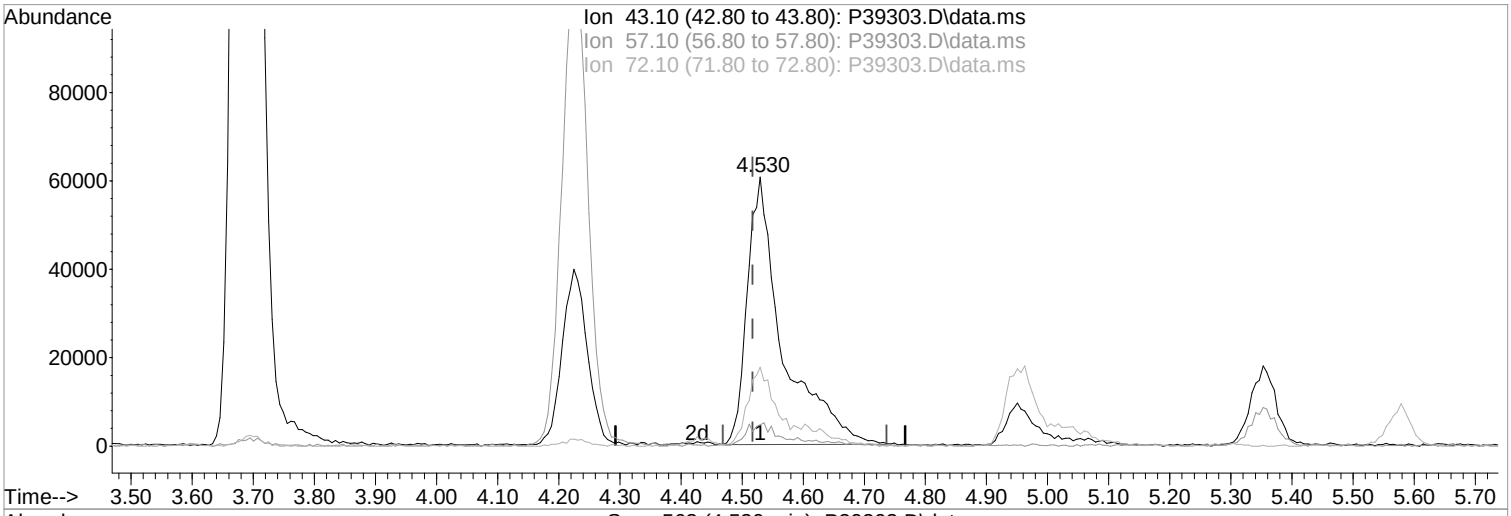
Other -

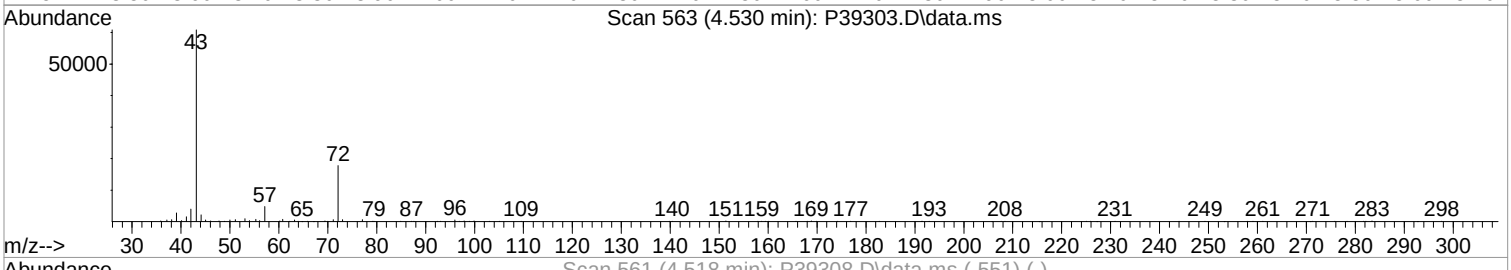
09/05/20

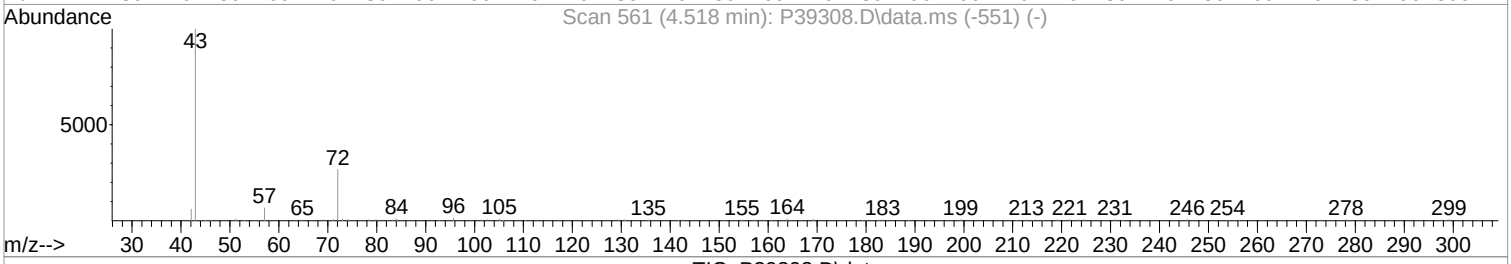
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
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Quant Time: Sep 04 17:26:26 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39303.D\data.ms

(35) 2-Butanone (P)

4.530min (+0.012) 109.81 ppb

response 244374

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	7.95
72.10	28.40	29.30
0.00	0.00	0.00

Manual Integration:

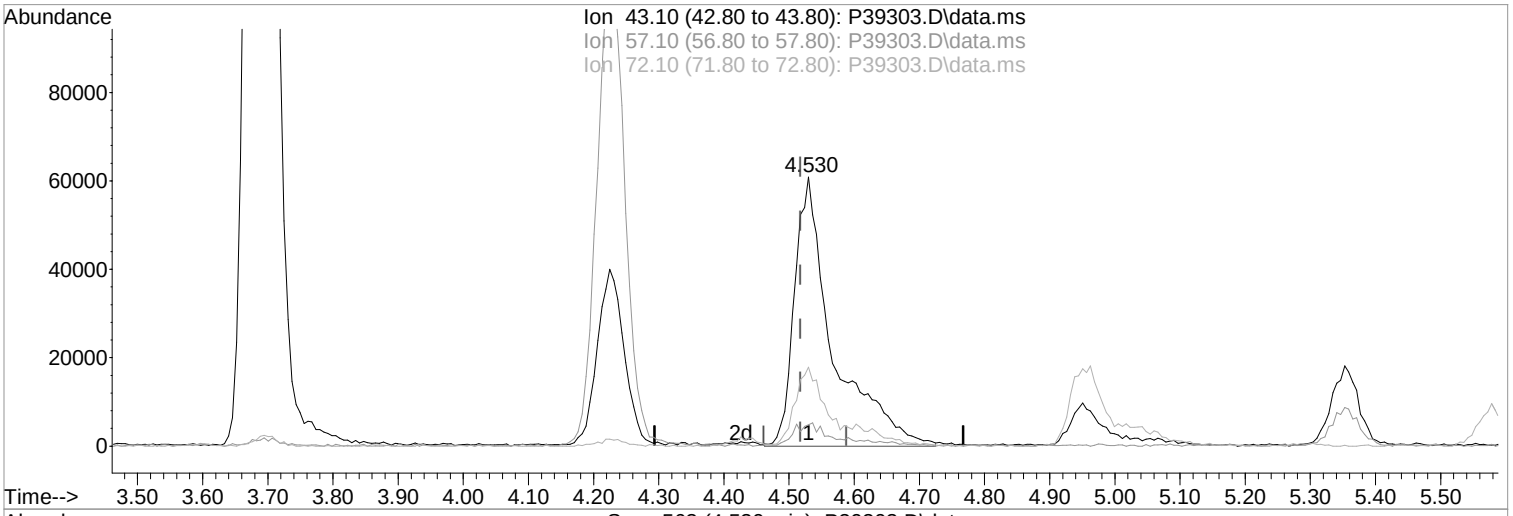
Before

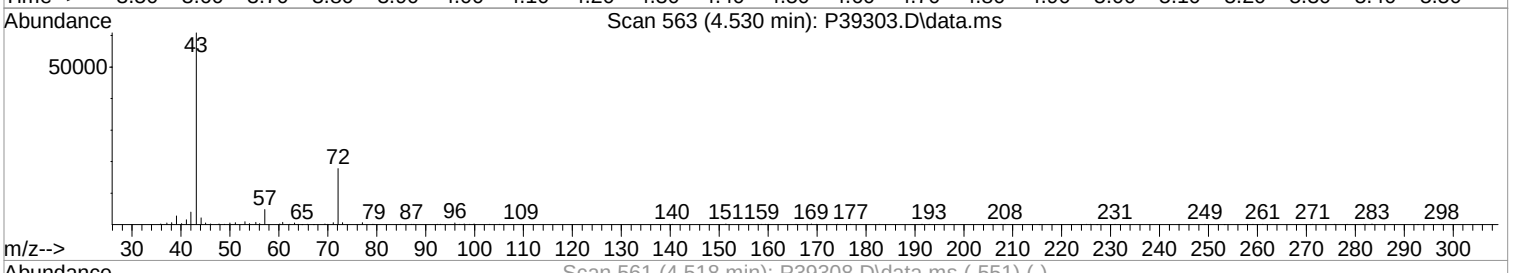
09/05/20

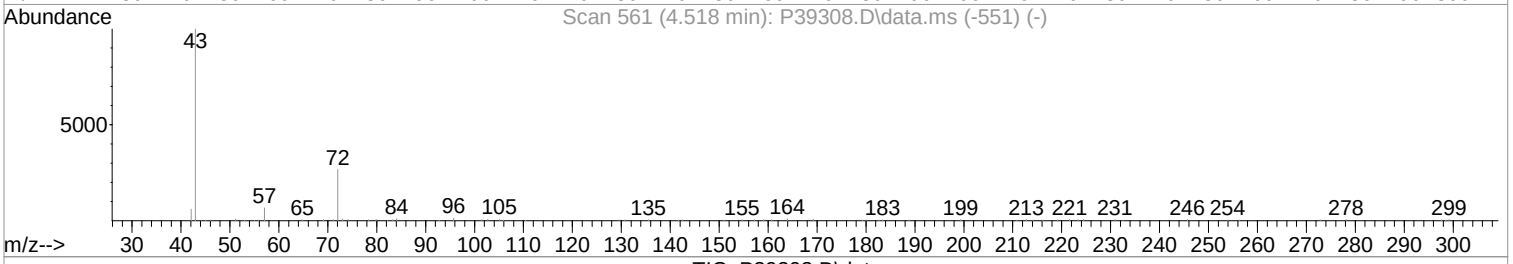
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
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Quant Time: Sep 05 09:12:15 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39303.D\data.ms

(35) 2-Butanone (P)

4.530min (+0.012) 112.16 ppb m

response 249604

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	7.95
72.10	28.40	29.30
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

09/05/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
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Quant Time: Sep 05 09:16:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.438	168	343127	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	518272	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	492039	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	271835	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	308668	101.46	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 202.92%#				
48) surr1,1,2-dichloroetha...	5.847	65	400254	98.55	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 197.10%#				
65) SURR3,Toluene-d8	8.316	98	1379805	99.79	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 199.58%#				
70) SURR2,BFB	10.870	95	533575	99.49	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 198.98%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	453625	100.13	ppb		99
3) Chloromethane	1.317	50	452072	96.39	ppb		98
4) Vinyl Chloride	1.390	62	586459	102.57	ppb		97
5) Bromomethane	1.628	94	436159	86.62	ppb		98
6) Chloroethane	1.701	64	463025	111.14	ppb		98
7) Freon 21	1.853	67	706230	108.52	ppb		100
8) Trichlorofluoromethane	1.890	101	542251	100.77	ppb		99
9) Diethyl Ether	2.134	59	289458	92.05	ppb		95
10) Freon 123a	2.140	67	357275	98.08	ppb		97
11) Freon 123	2.195	83	415786	96.66	ppb		99
12) Acrolein	2.256	56	438725	484.15	ppb		98
13) 1,1-Diclethene	2.323	96	245184	96.94	ppb		97
14) Freon 113	2.317	101	281239	98.60	ppb		96
15) Acetone	2.402	43	157246	97.01	ppb		91
16) 2-Propanol	2.561	45	882888m	2121.17	ppb		
17) Iodomethane	2.457	142	477357	144.12	ppb		94
18) Carbon Disulfide	2.512	76	849488	97.62	ppb		100
19) Acetonitrile	2.664	40	62746m	479.15	ppb		
20) Allyl Chloride	2.664	76	164713	98.64	ppb		98
21) Methyl Acetate	2.701	43	316063	91.12	ppb		99
22) Methylene Chloride	2.786	84	319707	94.73	ppb		99
23) TBA	2.963	59	1626102m	2113.46	ppb		
24) Acrylonitrile	3.079	53	957985	523.60	ppb		95
25) Methyl-t-Butyl Ether	3.085	73	1158288	99.87	ppb		99
26) trans-1,2-Dichloroethene	3.073	96	281027	95.77	ppb		99
28) 1,1-Diclethane	3.585	63	559740	99.53	ppb		99
29) Vinyl Acetate	3.688	86	83359	130.17	ppb	#	95
30) DIPE	3.695	45	957656	98.56	ppb		94
31) 2-Chloro-1,3-Butadiene	3.701	53	508960	95.62	ppb		97
32) ETBE	4.225	59	1015950	102.09	ppb		98
33) 2,2-Dichloropropane	4.420	77	518825	98.79	ppb		95
34) cis-1,2-Dichloroethene	4.438	96	351251	99.04	ppb		95
35) 2-Butanone	4.530	43	249604m	112.16	ppb		
36) Propionitrile	4.639	54	419123	468.53	ppb		99
37) Bromochloromethane	4.841	130	226990	99.43	ppb		90
38) Methacrylonitrile	4.889	67	201419	94.81	ppb		91
39) Tetrahydrofuran	4.950	42	166091	98.01	ppb		100
40) Chloroform	5.024	83	561134	95.16	ppb		99
41) 1,1,1-Trichloroethane	5.298	97	521276	97.74	ppb		96

1st 09/05/20
2nd 09/05/20

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 05 09:16:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.127	73	1075695	101.24	ppb	95
44) Cyclohexane	5.353	41	297418	95.13	ppb	94
46) Carbontetrachloride	5.560	117	424646	103.01	ppb	96
47) 1,1-Dichloropropene	5.578	75	440989	99.69	ppb	98
49) Benzene	5.901	78	1331586	96.97	ppb	99
50) 1,2-Dichloroethane	5.962	62	487021	99.01	ppb	99
51) Iso-Butyl Alcohol	5.975	43	469175	2164.79	ppb	96
52) n-Heptane	6.346	43	389492	98.80	ppb	96
53) 1-Butanol	6.920	56	886531	5698.30	ppb	99
54) Trichloroethene	6.834	130	357951	92.52	ppb	98
55) Methylcyclohexane	7.048	55	456333	103.57	ppb	97
56) 1,2-Diclpropane	7.127	63	335227	96.20	ppb	98
57) Dibromomethane	7.273	93	223484	94.05	ppb	95
58) 1,4-Dioxane	7.365	88	164296	1978.95	ppb	92
59) Methyl Methacrylate	7.352	69	339348	98.86	ppb	97
60) Bromodichloromethane	7.499	83	443142	96.51	ppb	97
62) 2-Chloroethylvinyl Ether	7.901	63	231965	103.75	ppb	98
63) cis-1,3-Dichloropropene	8.035	75	562014	101.65	ppb	97
64) 4-Methyl-2-pentanone	8.242	43	482204	103.33	ppb	98
66) Toluene	8.389	91	1552198	98.88	ppb	98
67) trans-1,3-Dichloropropene	8.669	75	547800	102.91	ppb	97
68) Ethyl Methacrylate	8.797	69	596577	101.01	ppb	99
69) 1,1,2-Trichloroethane	8.858	97	344109	100.43	ppb	99
72) Tetrachloroethene	8.968	164	287163	95.15	ppb	95
73) 2-Hexanone	9.151	43	363497	100.56	ppb	99
74) 1,3-Dichloropropane	9.029	76	590057	93.51	ppb	97
75) Dibromochloromethane	9.248	129	350177	104.02	ppb	99
76) N-Butyl Acetate	9.291	43	748563	101.29	ppb	98
77) 1,2-Dibromoethane	9.346	107	372507	98.35	ppb	92
78) Chlorobenzene	9.827	112	1020068	98.37	ppb	98
79) 3-CBTF	9.840	180	566901	100.24	ppb	99
80) 4-CBTF	9.895	180	497929	100.11	ppb	98
81) 1,1,1,2-Tetrachloroethane	9.913	131	362445	101.93	ppb	94
82) Ethylbenzene	9.937	106	561479	98.25	ppb	92
83) (m+p)Xylene	10.053	106	1406715	204.26	ppb	89
84) o-Xylene	10.407	106	686451	99.34	ppb	96
85) Styrene	10.425	104	1181730	101.12	ppb	100
87) Bromoform	10.583	173	250732	105.34	ppb	98
88) 2-CBTF	10.657	180	553286	98.43	ppb	97
89) Isopropylbenzene	10.736	105	1740674	97.11	ppb	99
90) Cyclohexanone	10.827	55	2006869	2020.46	ppb	97
91) trans-1,4-Dichloro-2-B...	11.059	53	152017	103.17	ppb	93
92) 1,1,2,2-Tetrachloroethane	11.016	83	520927	102.40	ppb	99
93) Bromobenzene	10.992	156	455768	94.57	ppb	95
94) 1,2,3-Trichloropropane	11.047	110	181479	92.20	ppb	97
95) n-Propylbenzene	11.089	91	2022767	98.77	ppb	98
96) 2-Chlorotoluene	11.156	91	1252535	93.72	ppb	99
97) 3-Chlorotoluene	11.211	91	1244722	94.46	ppb	97
98) 4-Chlorotoluene	11.254	91	1441891	94.89	ppb	98
99) 1,3,5-Trimethylbenzene	11.242	105	1545768	98.94	ppb	97
100) tert-Butylbenzene	11.516	119	1312776	98.90	ppb	96
101) 1,2,4-Trimethylbenzene	11.553	105	1548612	99.62	ppb	97
102) 3,4-DCBTF	11.620	214	450994	98.55	ppb	97
103) sec-Butylbenzene	11.693	105	1857933	98.31	ppb	98
104) p-Isopropyltoluene	11.815	119	1664949	102.01	ppb	96
105) 1,3-Dclbenz	11.784	146	892278	98.01	ppb	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 05 09:16:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.858	146	924398	96.25	ppb	99
107) 2,4-DCBTF	11.906	214	410868	100.64	ppb	97
108) 2,5-DCBTF	11.949	214	461419	97.96	ppb	98
109) n-Butylbenzene	12.150	91	1525873	103.94	ppb	96
110) 1,2-Dclbenz	12.156	146	912745	97.20	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.790	157	153124	104.01	ppb	97
112) Trielution Dichlorotol...	12.900	125	2532911	301.13	ppb	97
113) 1,3,5 Trichlorobenzene	12.949	180	710844	102.03	ppb	95
114) Coelution Dichlorotoluene	13.223	125	1848183	203.00	ppb	97
115) 1,2,4-Tcbenzene	13.430	180	734791	103.65	ppb	96
116) Hexachlorobt	13.558	225	281042	100.29	ppb	93
117) Naphthalen	13.626	128	2211126	101.69	ppb	96
118) 1,2,3-Tclbenzene	13.808	180	716838	100.13	ppb	99
119) 2,4,5-Trichlorotolene	14.394	159	509975	98.41	ppb	98
120) 2,3,6-Trichlorotoluene	14.479	159	463513	99.37	ppb	98

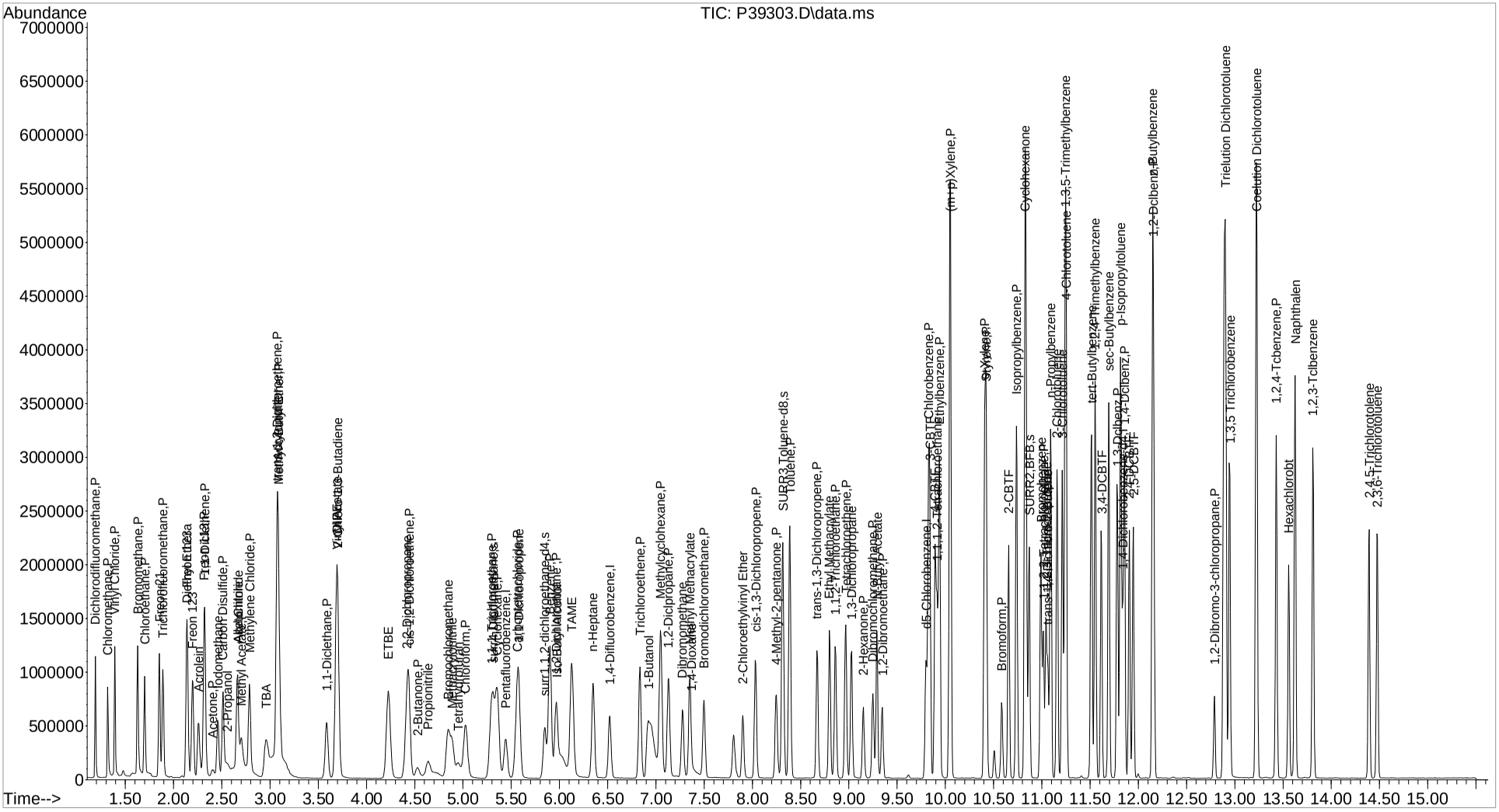
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

09/05/20 1st 09/05/20 2nd

Quant Time: Sep 05 09:16:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
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Response via : Initial Calibration

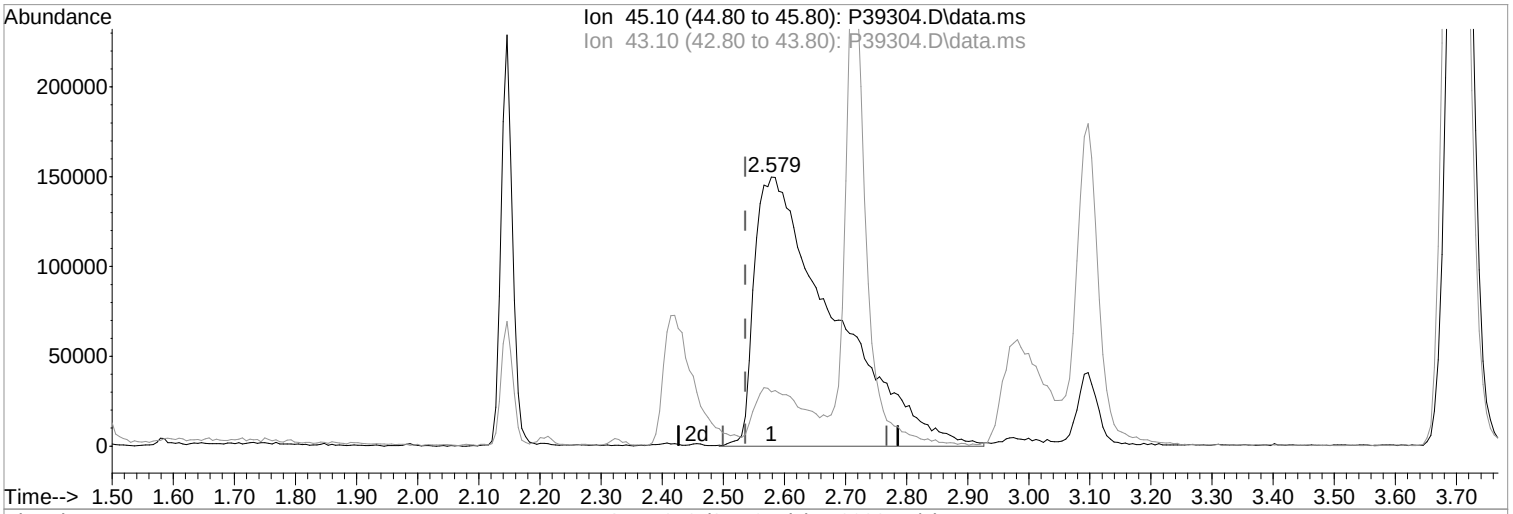


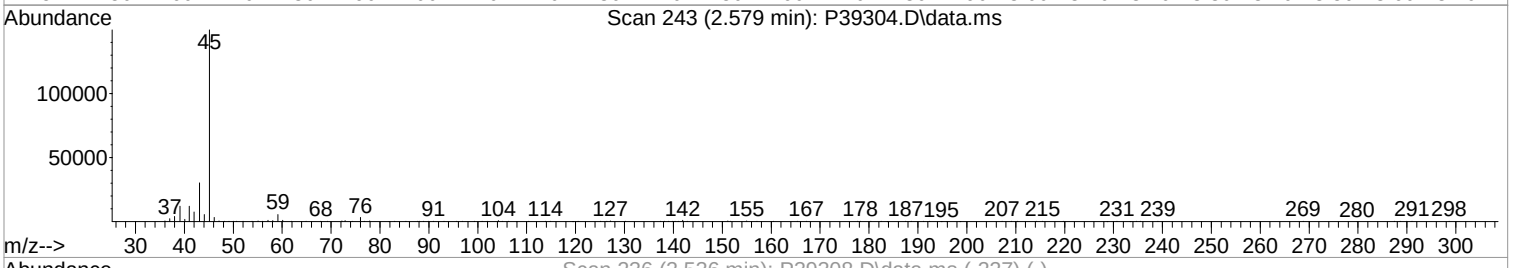
1st 09/05/20
2nd 09/05/20

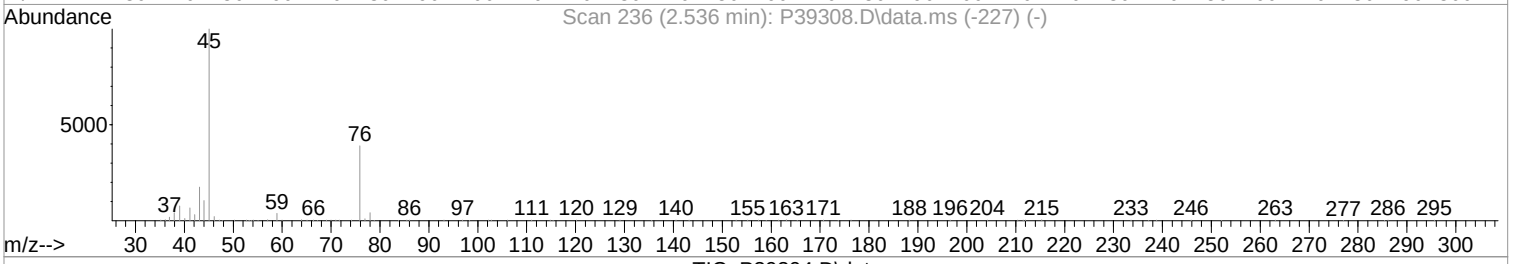
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 17:26:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39304.D\data.ms

(16) 2-Propanol

2.579min (+0.043) 3196.26 ppb m

response 1345396

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	20.22
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

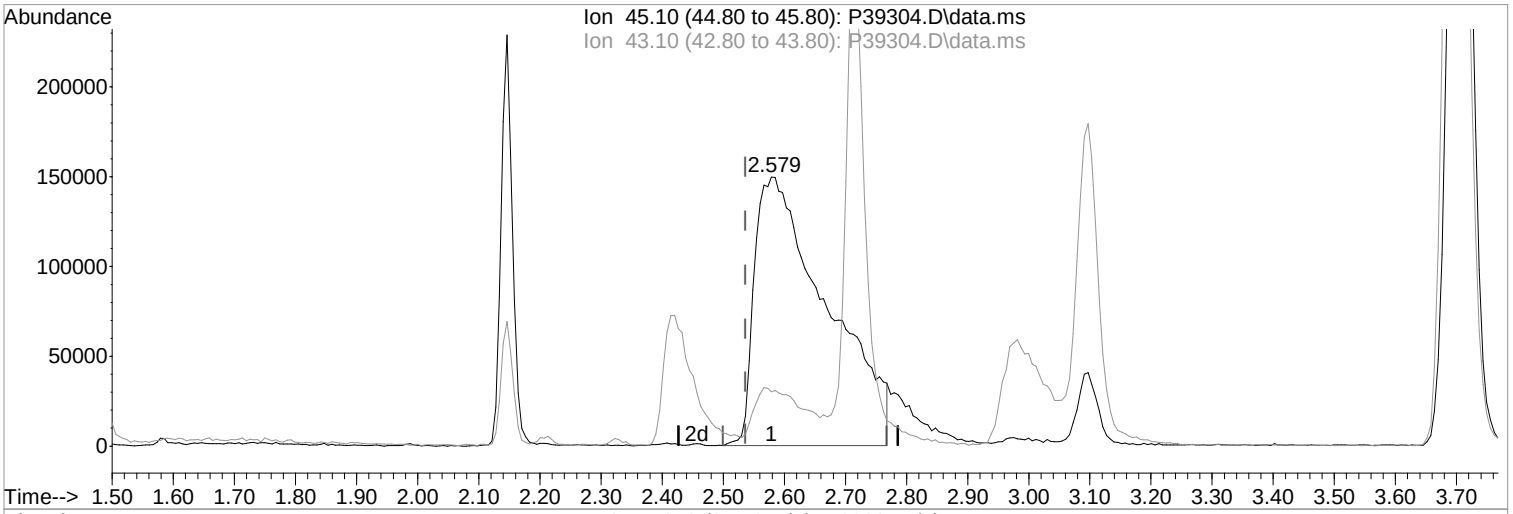
Poor integration.

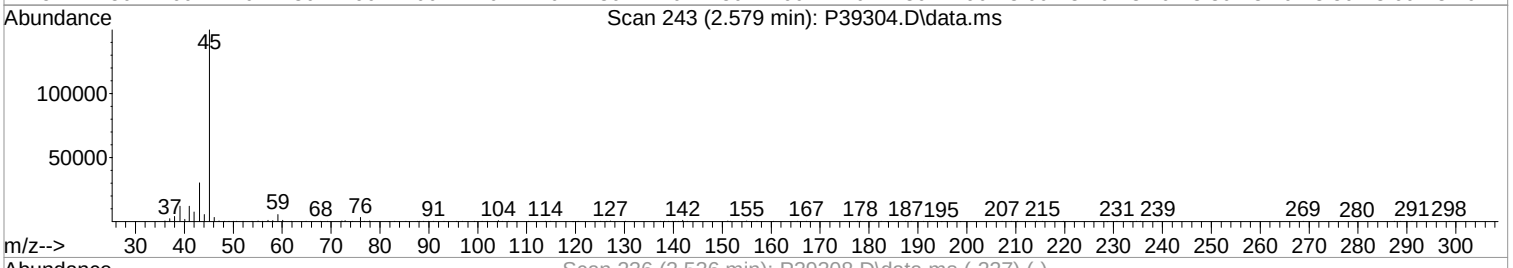
09/05/20

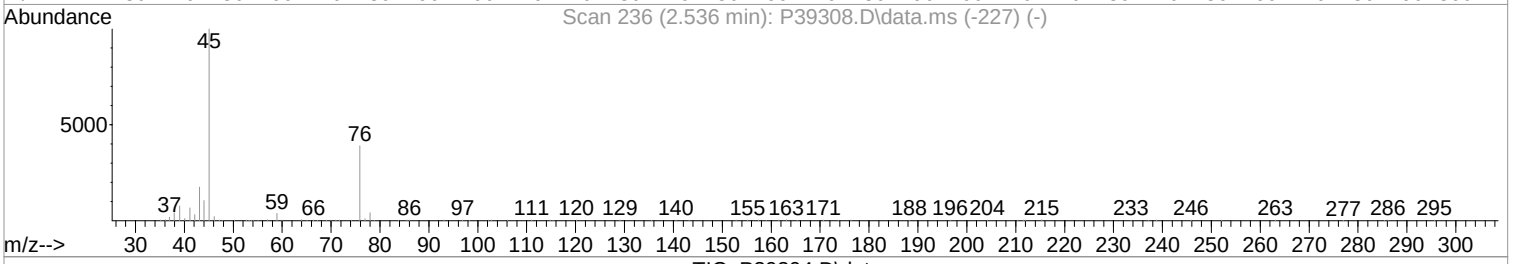
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 17:26:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39304.D\data.ms

(16) 2-Propanol

2.579min (+0.043) 2925.10 ppb

response 1231255

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	20.22
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

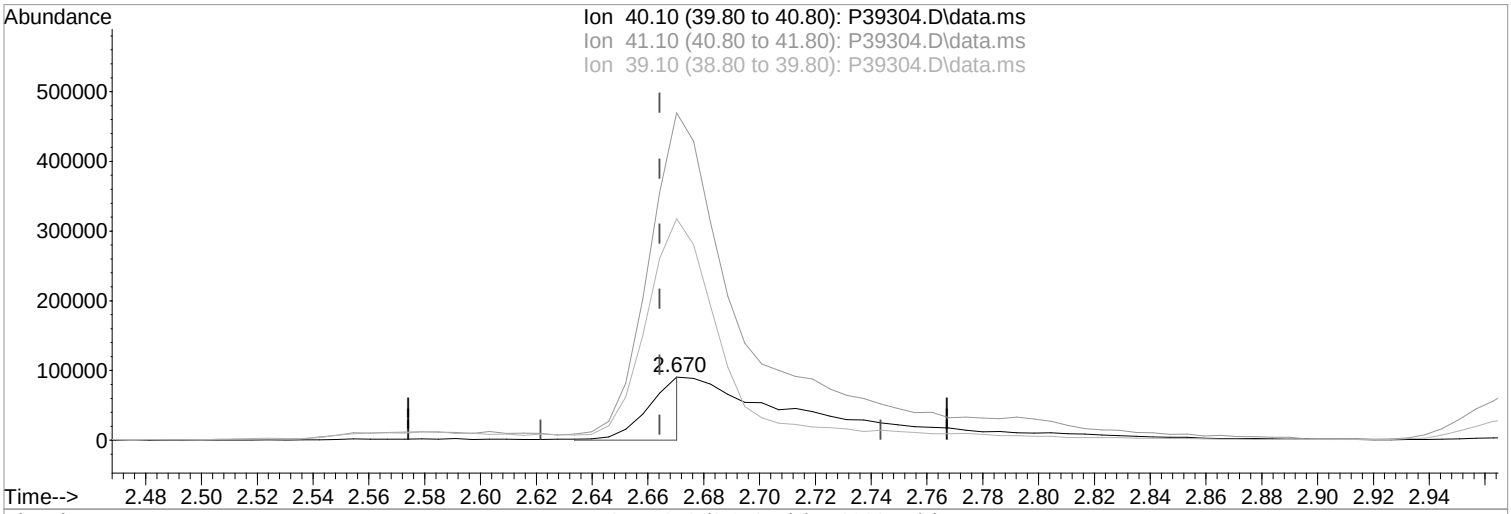
Before

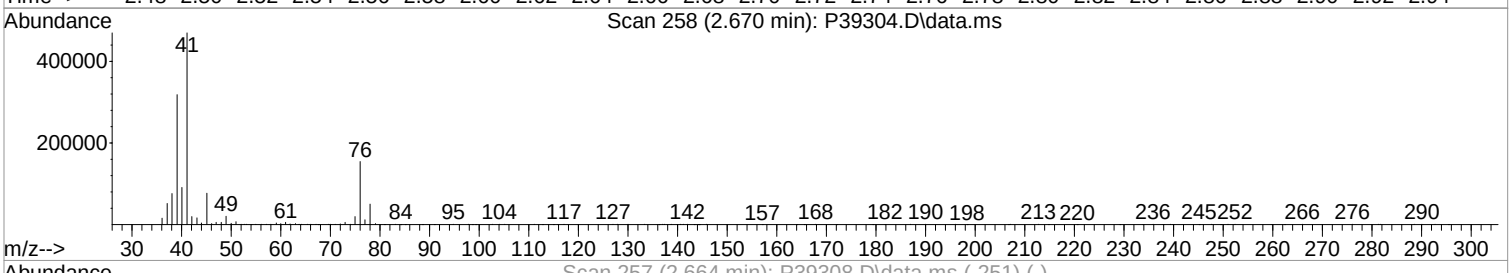
09/05/20

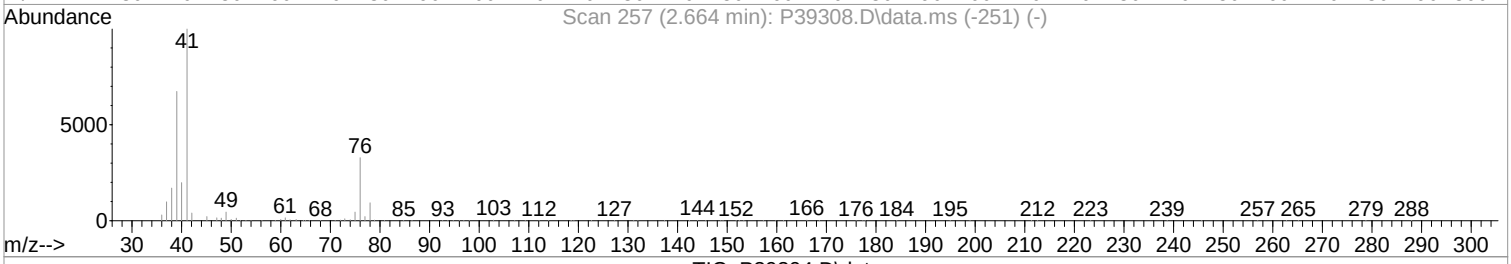
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 17:26:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39304.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 602.62 ppb m

response 79806

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	518.43
39.10	343.30	350.71
0.00	0.00	0.00

Manual Integration:

After

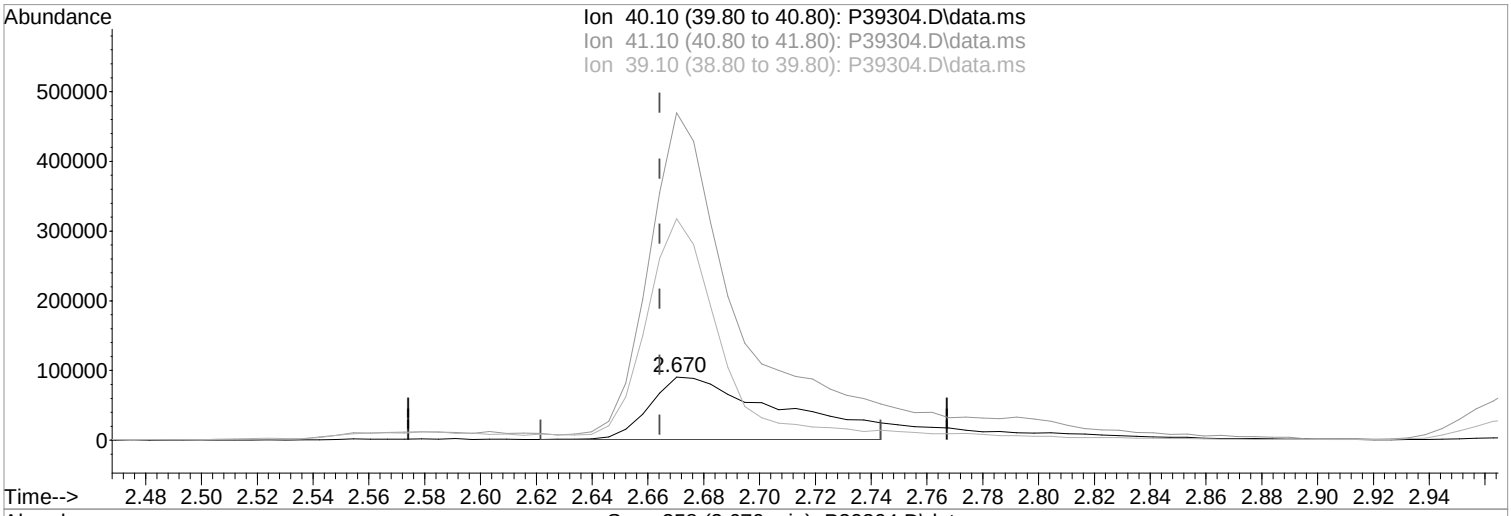
Poor integration.

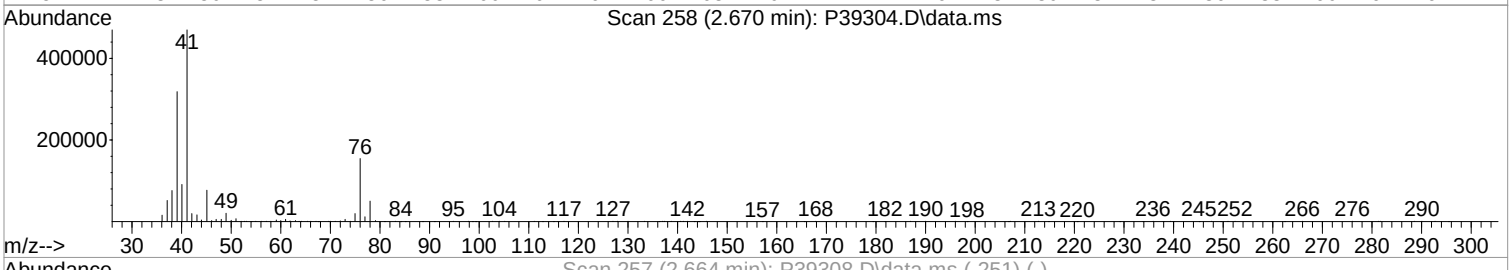
09/05/20

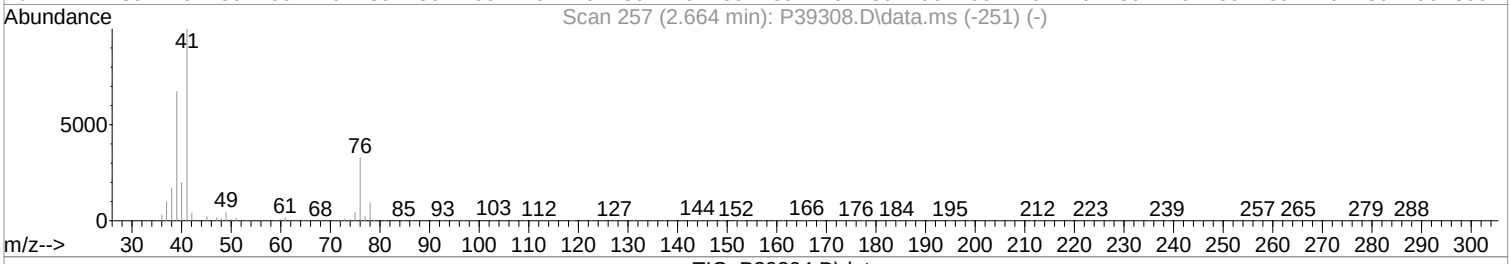
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 17:26:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39304.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 2180.91 ppb

response 288821

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	518.43
39.10	343.30	350.71
0.00	0.00	0.00

Manual Integration:

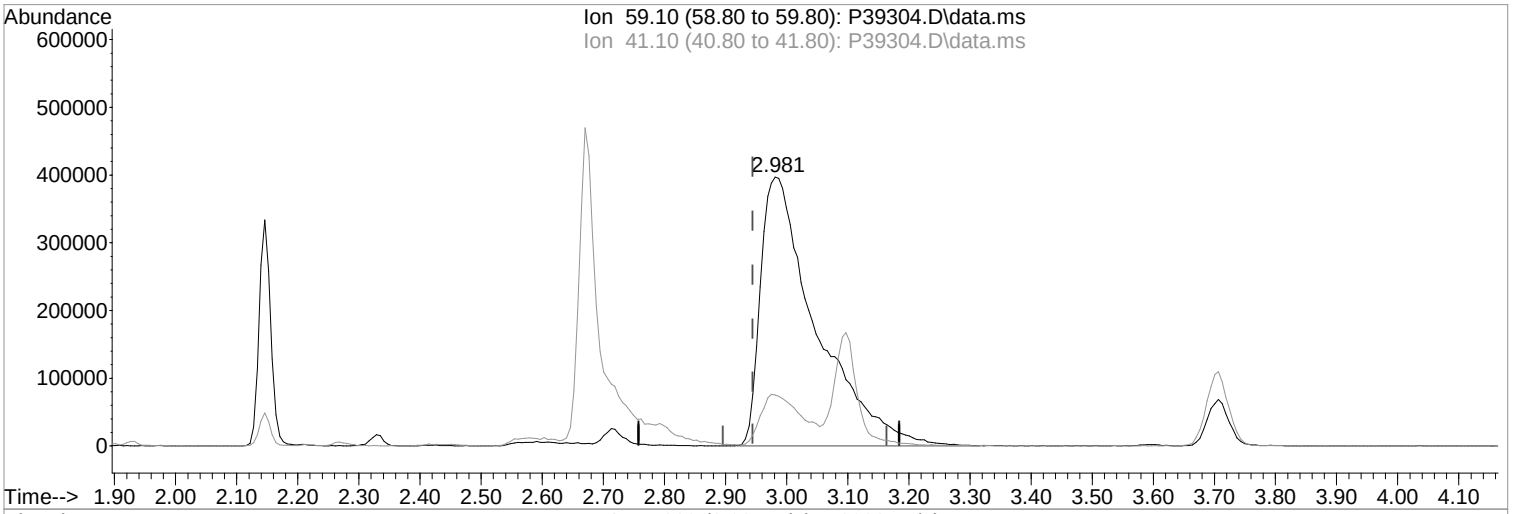
Before

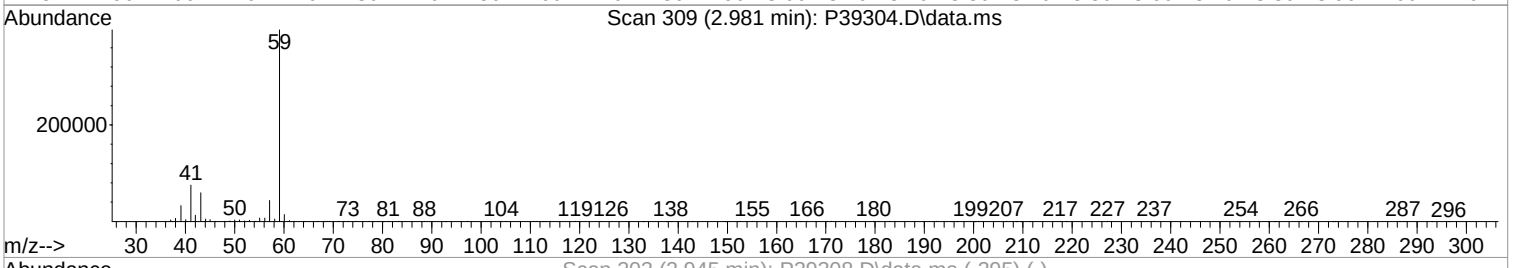
09/05/20

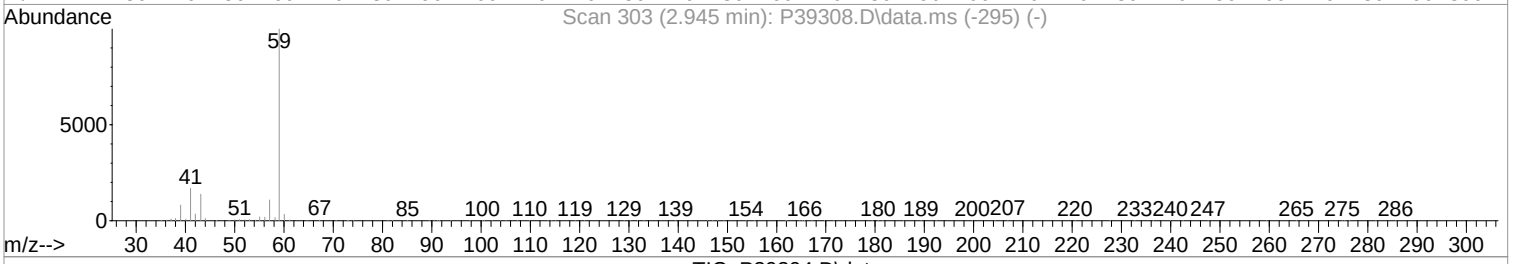
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 17:26:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39304.D\data.ms

(23) TBA

2.981min (+0.037) 3224.80 ppb m

response 2509192

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	18.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

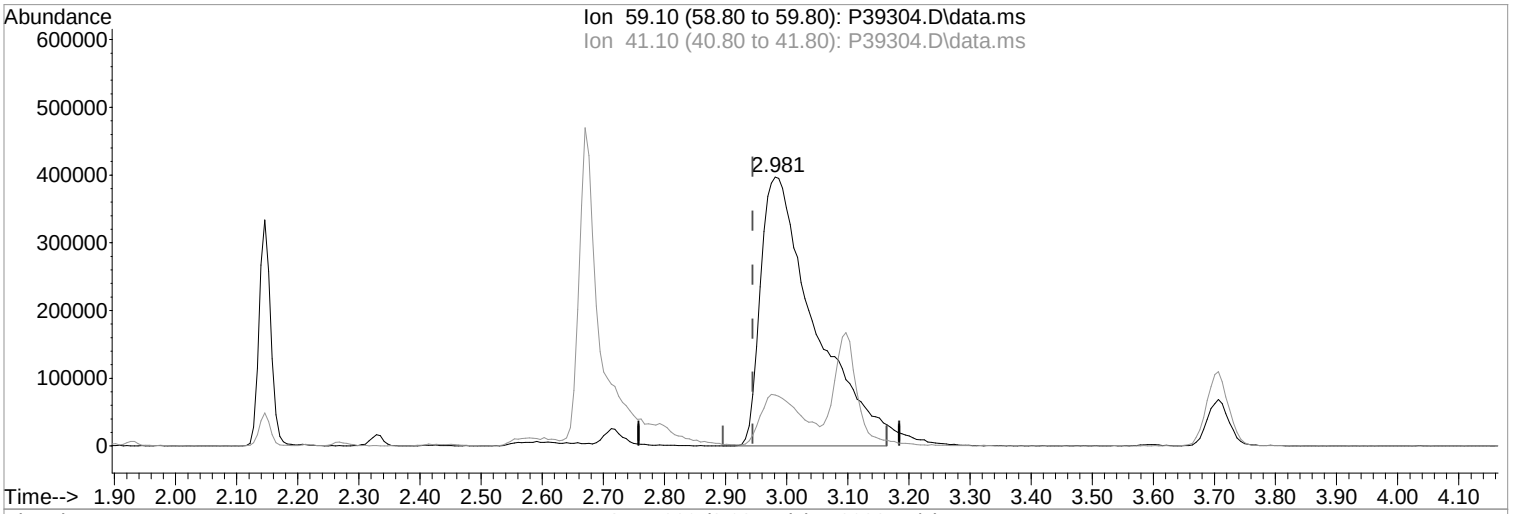
Poor integration.

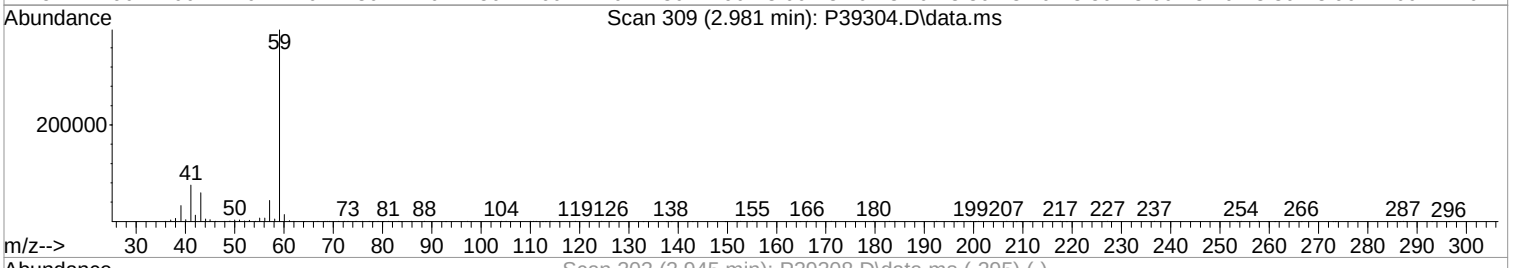
09/05/20

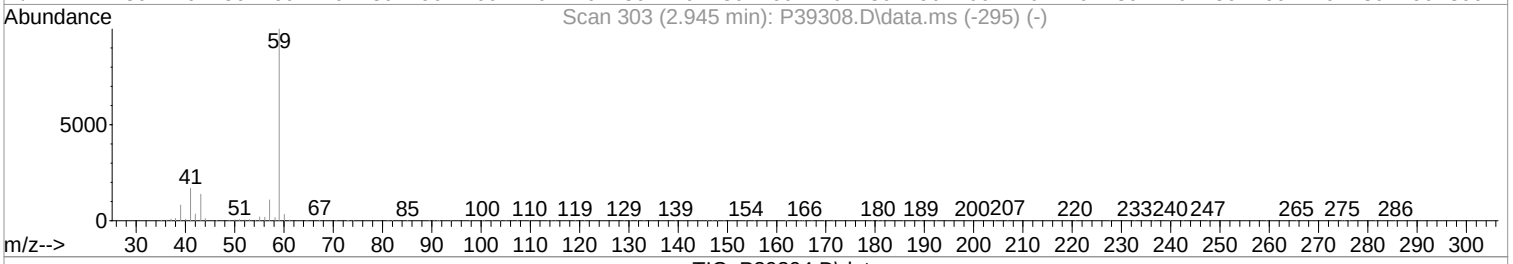
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 17:26:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39304.D\data.ms

(23) TBA

2.981min (+0.037) 3129.71 ppb

response 2435207

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	18.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/05/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 05 09:14:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	347003	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	505082	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	474705	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	274216	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	583036	196.65	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 393.30%#				
48) surr1,1,2-dichloroetha...	5.853	65	773534	195.44	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 390.88%#				
65) SURR3,Toluene-d8	8.316	98	2550237	189.26	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 378.52%#				
70) SURR2,BFB	10.870	95	1037450	198.50	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 397.00%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	680450	148.52	ppb		99
3) Chloromethane	1.329	50	672357	141.76	ppb		99
4) Vinyl Chloride	1.402	62	819210	141.68	ppb		99
5) Bromomethane	1.640	94	695896	136.66	ppb		97
6) Chloroethane	1.707	64	768827	182.48	ppb		100
7) Freon 21	1.859	67	1309688	199.01	ppb		99
8) Trichlorofluoromethane	1.896	101	968123	177.90	ppb		99
9) Diethyl Ether	2.146	59	442413	139.13	ppb		96
10) Freon 123a	2.152	67	524770	142.45	ppb		99
11) Freon 123	2.207	83	609572	140.13	ppb		98
12) Acrolein	2.268	56	702026	766.05	ppb		96
13) 1,1-Diclethene	2.329	96	365344	142.84	ppb		98
14) Freon 113	2.329	101	418565	145.10	ppb		95
15) Acetone	2.420	43	249458	152.18	ppb		91
16) 2-Propanol	2.579	45	1345396m	3196.26	ppb		
17) Iodomethane	2.469	142	684903	204.48	ppb		91
18) Carbon Disulfide	2.524	76	1243345	141.29	ppb		100
19) Acetonitrile	2.670	40	79806m	602.62	ppb		
20) Allyl Chloride	2.670	76	239822	142.02	ppb		100
21) Methyl Acetate	2.713	43	599445	170.88	ppb		97
22) Methylene Chloride	2.798	84	477580	139.93	ppb		96
23) TBA	2.981	59	2509192m	3224.80	ppb		
24) Acrylonitrile	3.091	53	1456340	787.10	ppb		92
25) Methyl-t-Butyl Ether	3.097	73	1736438	148.05	ppb		99
26) trans-1,2-Dichloroethene	3.085	96	427616	144.10	ppb		100
28) 1,1-Diclethane	3.597	63	835350	146.88	ppb		98
29) Vinyl Acetate	3.694	86	101969	157.45	ppb	#	93
30) DIPE	3.707	45	1394239	141.88	ppb		99
31) 2-Chloro-1,3-Butadiene	3.707	53	756582	140.56	ppb		98
32) ETBE	4.237	59	1477618	146.83	ppb		98
33) 2,2-Dichloropropane	4.432	77	759410	142.98	ppb		97
34) cis-1,2-Dichloroethene	4.450	96	522469	145.68	ppb		100
35) 2-Butanone	4.542	43	364769	162.08	ppb		97
36) Propionitrile	4.658	54	640997	708.55	ppb		98
37) Bromochloromethane	4.853	130	339179	146.92	ppb		96
38) Methacrylonitrile	4.902	67	301498	140.33	ppb		88
39) Tetrahydrofuran	4.956	42	253820	148.10	ppb		98
40) Chloroform	5.036	83	817273	137.05	ppb		97
41) 1,1,1-Trichloroethane	5.304	97	770667	142.89	ppb		98

1st 09/05/20
2nd 09/05/20

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 05 09:14:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	TAME	6.133	73	1548459	144.11	ppb		97
44)	Cyclohexane	5.359	41	432910	142.09	ppb		95
46)	Carbontetrachloride	5.566	117	644383	160.39	ppb		93
47)	1,1-Dichloropropene	5.584	75	668735	155.12	ppb		99
49)	Benzene	5.907	78	1983162	148.19	ppb		97
50)	1,2-Dichloroethane	5.968	62	701273	146.29	ppb		98
51)	Iso-Butyl Alcohol	5.981	43	818665	3875.99	ppb		99
52)	n-Heptane	6.353	43	564680	146.98	ppb		97
53)	1-Butanol	6.926	56	1441726	9508.89	ppb		99
54)	Trichloroethene	6.840	130	539472	143.08	ppb		95
55)	Methylcyclohexane	7.054	55	645774	150.39	ppb		99
56)	1,2-Diclpropane	7.133	63	502857	148.07	ppb		97
57)	Dibromomethane	7.279	93	329996	142.51	ppb		97
58)	1,4-Dioxane	7.371	88	268269	3315.70	ppb		90
59)	Methyl Methacrylate	7.352	69	501387	149.87	ppb		96
60)	Bromodichloromethane	7.499	83	669247	149.55	ppb		97
62)	2-Chloroethylvinyl Ether	7.901	63	350211	160.73	ppb		98
63)	cis-1,3-Dichloropropene	8.035	75	848719	157.51	ppb		96
64)	4-Methyl-2-pentanone	8.248	43	701531	154.26	ppb		98
66)	Toluene	8.389	91	2269874	148.38	ppb		96
67)	trans-1,3-Dichloropropene	8.675	75	818916	157.85	ppb		97
68)	Ethyl Methacrylate	8.803	69	887442	154.19	ppb		99
69)	1,1,2-Trichloroethane	8.864	97	512614	153.51	ppb		99
72)	Tetrachloroethene	8.968	164	428455	147.14	ppb		95
73)	2-Hexanone	9.151	43	533426	152.96	ppb		98
74)	1,3-Dichloropropane	9.029	76	888258	145.91	ppb		97
75)	Dibromochloromethane	9.248	129	533903	164.39	ppb		97
76)	N-Butyl Acetate	9.291	43	1093971	153.43	ppb		96
77)	1,2-Dibromoethane	9.346	107	542453	148.45	ppb		92
78)	Chlorobenzene	9.827	112	1499496	149.89	ppb		96
79)	3-CBTF	9.840	180	836127	153.25	ppb		99
80)	4-CBTF	9.895	180	738319	153.87	ppb		98
81)	1,1,1,2-Tetrachloroethane	9.913	131	544859	158.82	ppb		98
82)	Ethylbenzene	9.943	106	853066	154.72	ppb	#	83
83)	(m+p)Xylene	10.053	106	2081993	313.36	ppb	#	81
84)	o-Xylene	10.407	106	1031878	154.78	ppb		94
85)	Styrene	10.425	104	1772757	157.23	ppb		96
87)	Bromoform	10.583	173	396007	164.93	ppb		98
88)	2-CBTF	10.657	180	820955	144.78	ppb		97
89)	Isopropylbenzene	10.736	105	2535427	140.22	ppb		96
90)	Cyclohexanone	10.827	55	3116806	3110.66	ppb		93
91)	trans-1,4-Dichloro-2-B...	11.065	53	234626	157.86	ppb		99
92)	1,1,2,2-Tetrachloroethane	11.016	83	780120	152.02	ppb		98
93)	Bromobenzene	10.992	156	697238	143.42	ppb		96
94)	1,2,3-Trichloropropane	11.047	110	271060	136.51	ppb		93
95)	n-Propylbenzene	11.089	91	2922783	141.48	ppb		93
96)	2-Chlorotoluene	11.156	91	1874871	139.07	ppb		98
97)	3-Chlorotoluene	11.211	91	1880597	141.48	ppb		96
98)	4-Chlorotoluene	11.254	91	2183450	142.44	ppb		96
99)	1,3,5-Trimethylbenzene	11.242	105	2326055	147.59	ppb		95
100)	tert-Butylbenzene	11.516	119	1980993	147.95	ppb		95
101)	1,2,4-Trimethylbenzene	11.553	105	2301855	146.80	ppb		93
102)	3,4-DCBTF	11.620	214	695246	150.61	ppb		96
103)	sec-Butylbenzene	11.693	105	2743297	143.90	ppb		96
104)	p-Isopropyltoluene	11.815	119	2490274	151.25	ppb		92
105)	1,3-Dclbenz	11.784	146	1390826	151.45	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 05 09:14:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

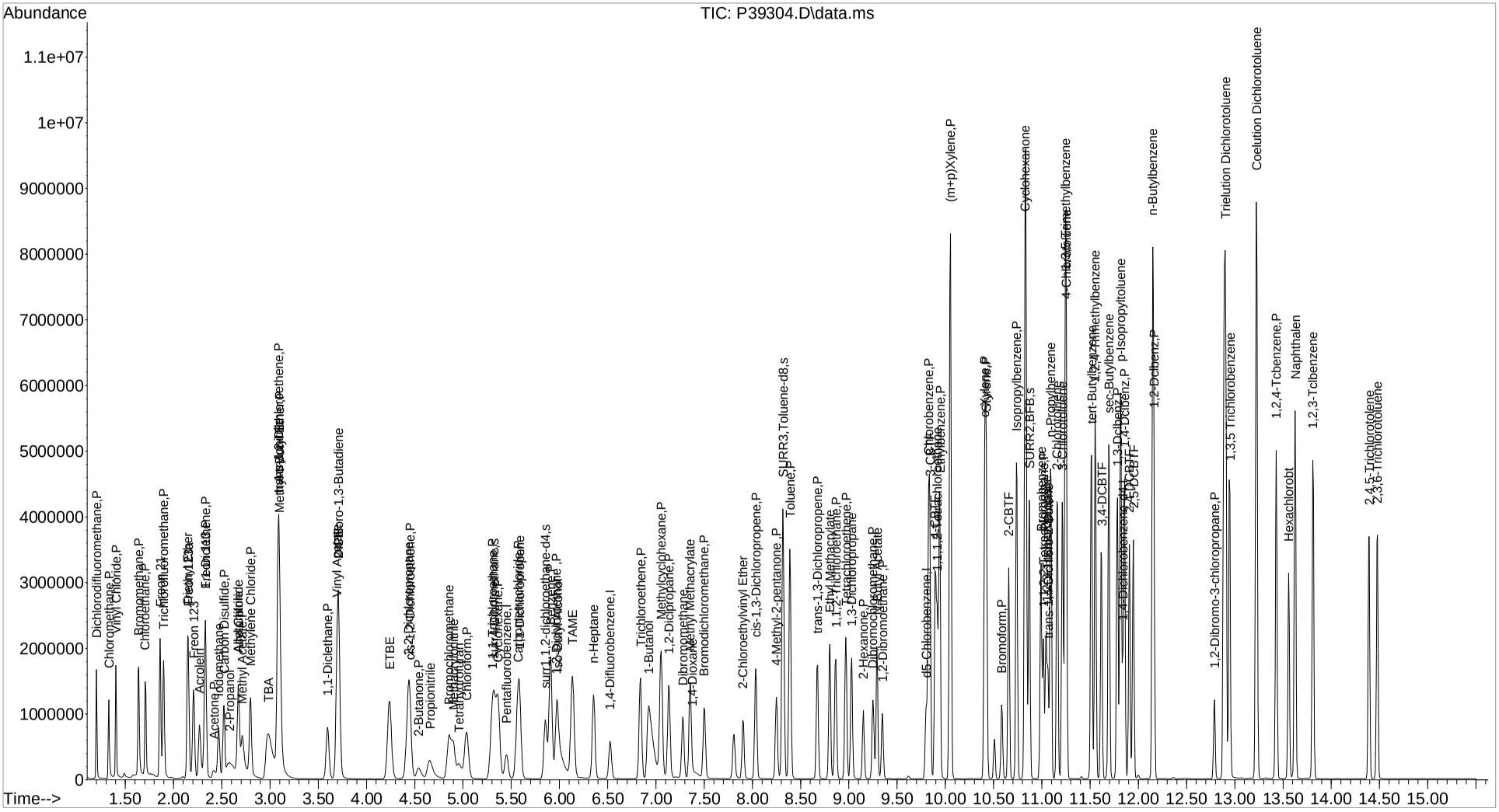
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.858	146	1418235	146.39	ppb	99
107) 2,4-DCBTF	11.906	214	660611	160.40	ppb	98
108) 2,5-DCBTF	11.949	214	708563	149.12	ppb	98
109) n-Butylbenzene	12.150	91	2285971	154.36	ppb	92
110) 1,2-Dclbenz	12.162	146	1411584	149.02	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.790	157	251825	169.57	ppb	92
112) Trielution Dichlorotol...	12.900	125	3778949	445.36	ppb	92
113) 1,3,5 Trichlorobenzene	12.949	180	1082850	154.08	ppb	96
114) Coelution Dichlorotoluene	13.223	125	2737683	298.09	ppb	91
115) 1,2,4-Tcbenzene	13.430	180	1154289	161.42	ppb	94
116) Hexachlorobt	13.558	225	441611	156.22	ppb	96
117) Naphthalen	13.625	128	3221562	146.87	ppb	92
118) 1,2,3-Tclbenzene	13.808	180	1139739	157.83	ppb	98
119) 2,4,5-Trichlorotolene	14.394	159	835803	159.89	ppb	97
120) 2,3,6-Trichlorotoluene	14.479	159	744382	158.20	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39304.D
Acq On : 4 Sep 2020 2:46 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

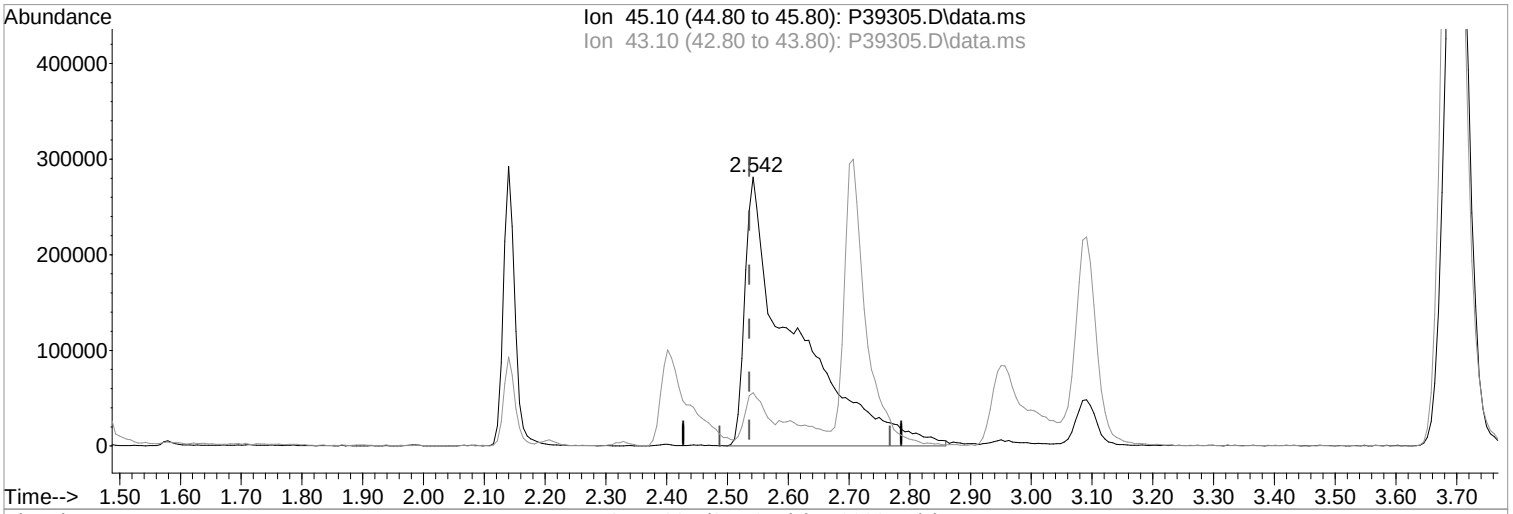
Quant Time: Sep 05 09:14:14 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

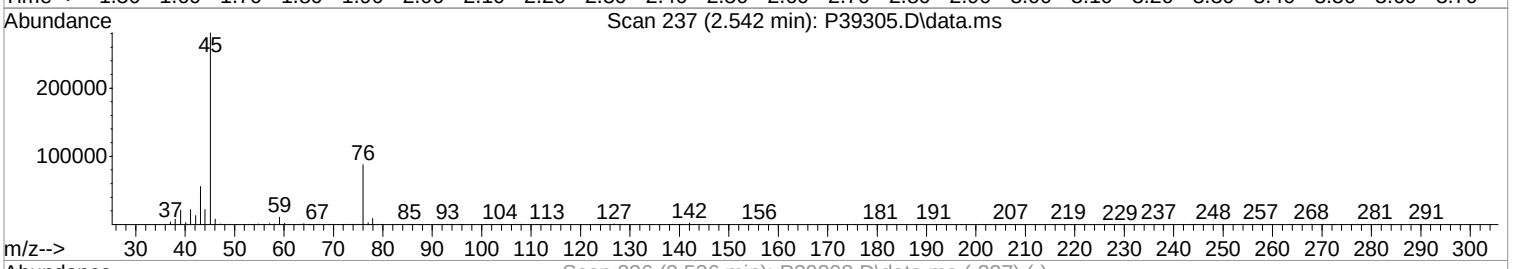


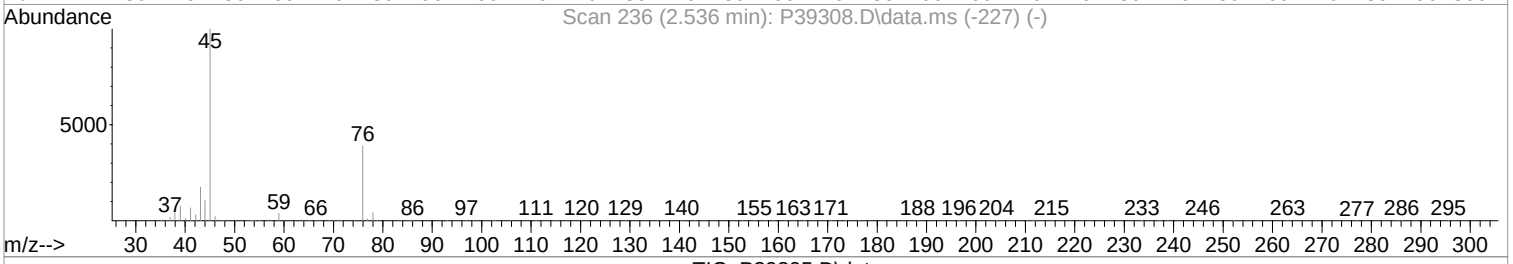
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39305.D
Acq On : 4 Sep 2020 3:08 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 17:26:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39305.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 3575.93 ppb m

response 1563636

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	19.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

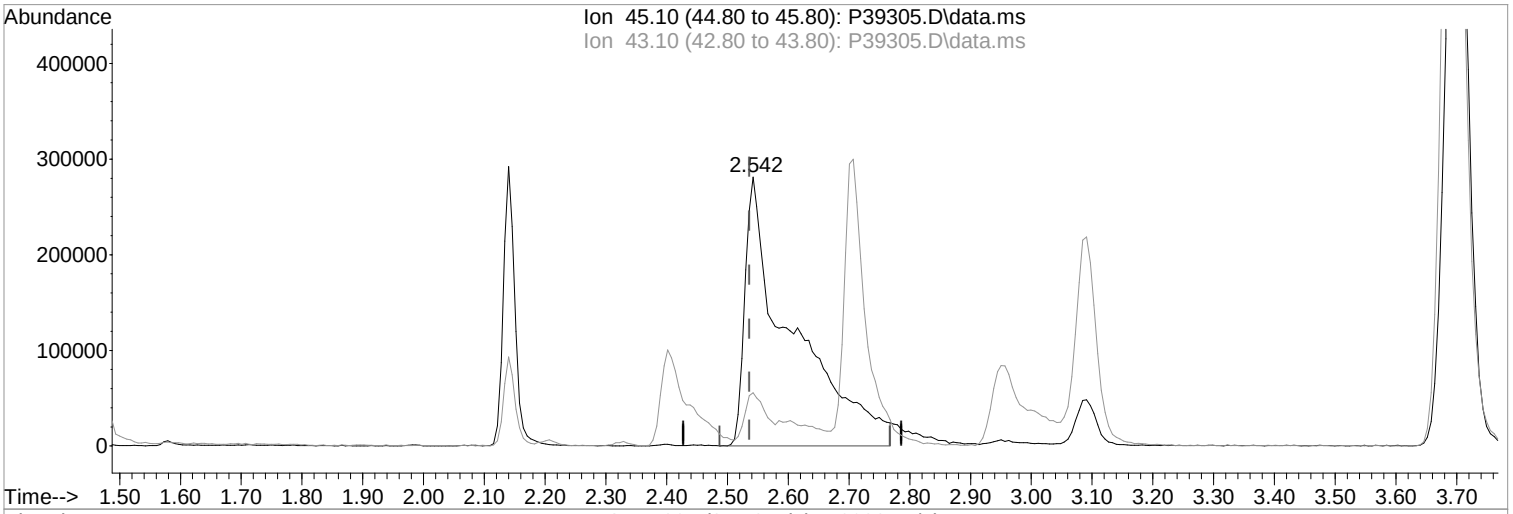
09/05/20

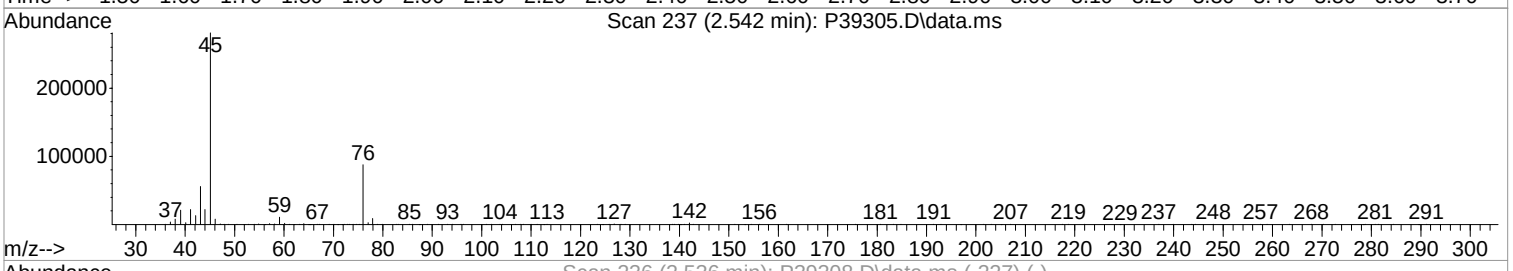
1st 09/05/20
2nd 09/05/20

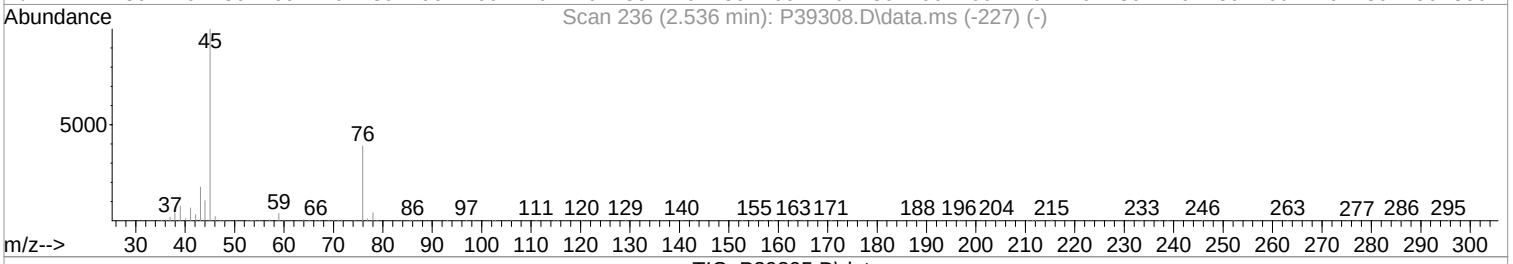
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39305.D
Acq On : 4 Sep 2020 3:08 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 17:26:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39305.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 3421.49 ppb

response 1496101

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	19.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

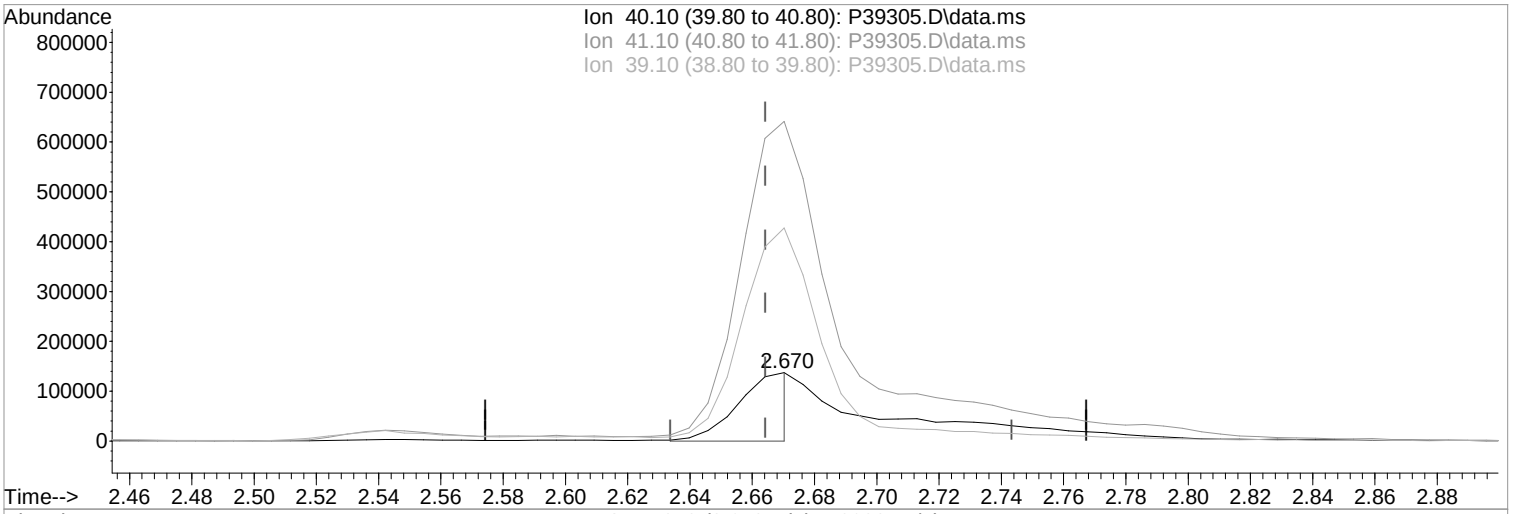
09/05/20

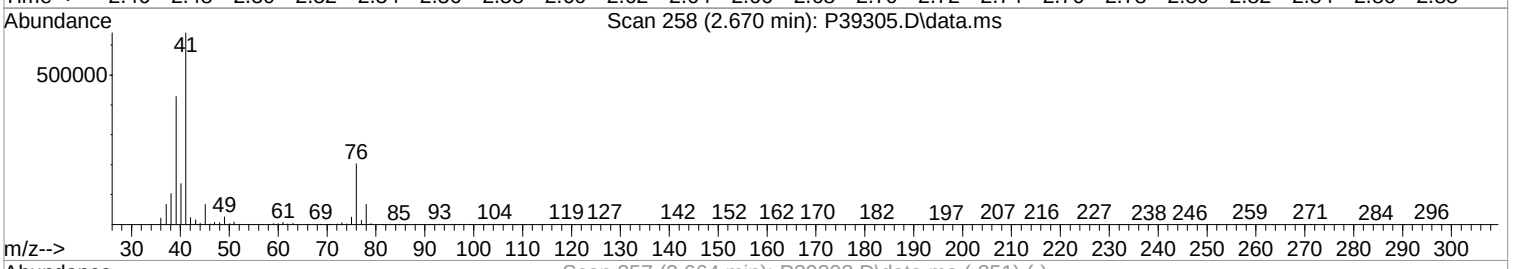
1st 09/05/20
2nd 09/05/20

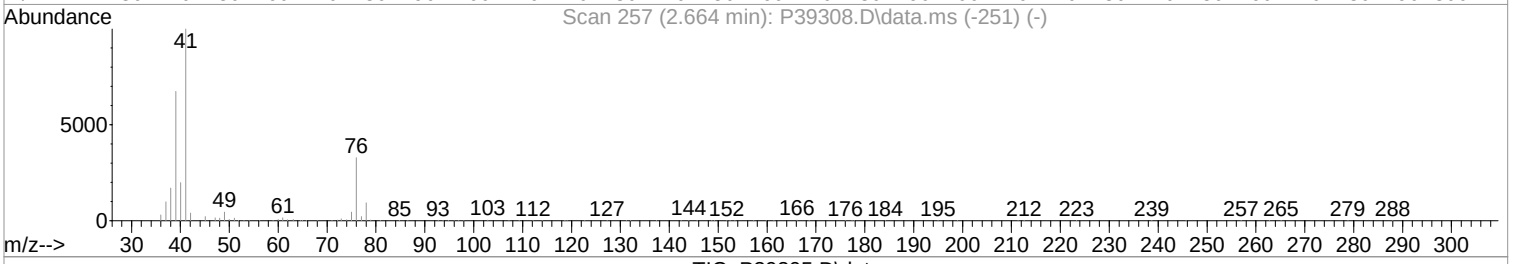
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39305.D
Acq On : 4 Sep 2020 3:08 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 17:26:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39305.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 1155.69 ppb m

response 158990

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	468.27#
39.10	343.30	312.06#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

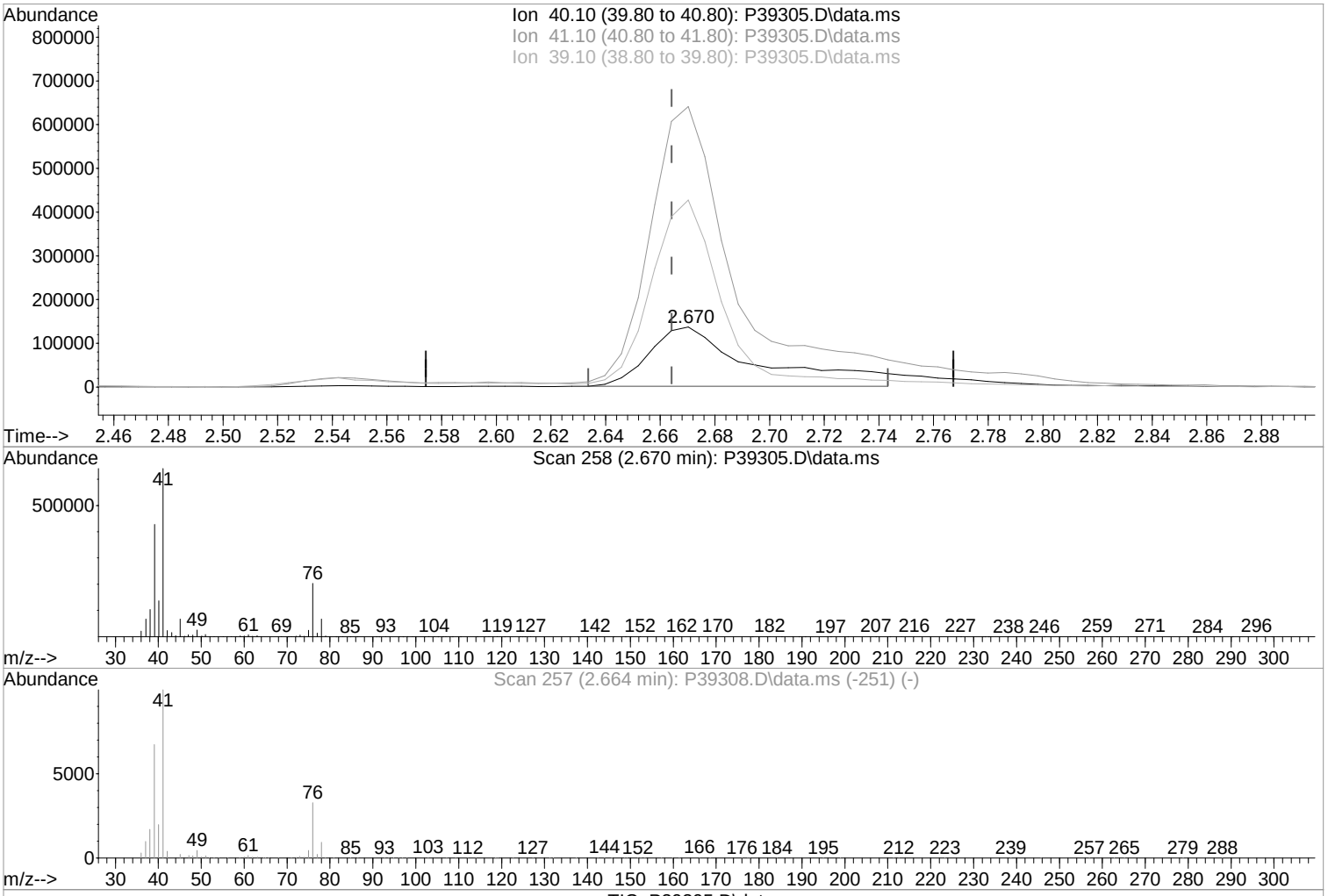
09/05/20

1st 09/05/20
2nd 09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39305.D
Acq On : 4 Sep 2020 3:08 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 17:26:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



TIC: P39305.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 2711.22 ppb

response 372988

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	468.27#
39.10	343.30	312.06#
0.00	0.00	0.00

Manual Integration:

Before

09/05/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39305.D
Acq On : 4 Sep 2020 3:08 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 05 09:17:31 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	360472	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	527565	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	495613	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	288851	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	156469	50.53	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.06%				
48) surr1,1,2-dichloroetha...	5.846	65	205328	49.67	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.34%				
65) SURR3,Toluene-d8	8.315	98	695068	49.38	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.76%				
70) SURR2,BFB	10.870	95	274457	50.27	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.195	85	881024	185.11	ppb		99
3) Chloromethane	1.323	50	843287	171.15	ppb		97
4) Vinyl Chloride	1.396	62	1073812	178.77	ppb		100
5) Bromomethane	1.634	94	849031	160.50	ppb		98
6) Chloroethane	1.707	64	819422	187.23	ppb		100
7) Freon 21	1.859	67	1271772	186.02	ppb		98
8) Trichlorofluoromethane	1.896	101	996980	176.36	ppb		99
9) Diethyl Ether	2.140	59	577186	174.73	ppb		98
10) Freon 123a	2.146	67	696741	182.06	ppb		95
11) Freon 123	2.201	83	799013	176.82	ppb		96
12) Acrolein	2.262	56	907413	953.17	ppb		95
13) 1,1-Diclethene	2.329	96	483888	182.12	ppb		98
14) Freon 113	2.329	101	560094	186.91	ppb		98
15) Acetone	2.402	43	311486	182.92	ppb		93
16) 2-Propanol	2.542	45	1563636m	3575.93	ppb		
17) Iodomethane	2.469	142	987804	283.89	ppb		95
18) Carbon Disulfide	2.518	76	1683829	184.19	ppb		99
19) Acetonitrile	2.670	40	158990m	1155.69	ppb		
20) Allyl Chloride	2.670	76	319637	182.21	ppb		95
21) Methyl Acetate	2.707	43	724811	198.90	ppb		98
22) Methylene Chloride	2.792	84	614235	173.24	ppb		99
23) TBA	2.951	59	2787305	3448.38	ppb		99
24) Acrylonitrile	3.085	53	1810585	941.99	ppb		96
25) Methyl-t-Butyl Ether	3.091	73	2242326	184.04	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	559294	181.43	ppb		97
28) 1,1-Diclethane	3.591	63	1098515	185.94	ppb		98
29) Vinyl Acetate	3.688	86	150581	223.83	ppb	#	85
30) DIPE	3.700	45	1911080	187.21	ppb		99
31) 2-Chloro-1,3-Butadiene	3.707	53	1048775	187.56	ppb		97
32) ETBE	4.231	59	2000552	191.36	ppb		97
33) 2,2-Dichloropropane	4.426	77	1003198	181.83	ppb		98
34) cis-1,2-Dichloroethene	4.444	96	672055	180.38	ppb		97
35) 2-Butanone	4.524	43	461379	197.34	ppb		98
36) Propionitrile	4.645	54	764289	813.27	ppb		98
37) Bromochloromethane	4.853	130	436406	181.97	ppb		93
38) Methacrylonitrile	4.889	67	375706	168.33	ppb		87
39) Tetrahydrofuran	4.944	42	311412	174.92	ppb		92
40) Chloroform	5.036	83	1094147	176.62	ppb		98
41) 1,1,1-Trichloroethane	5.298	97	1008716	180.04	ppb		97

1st 09/05/20
2nd 09/05/20

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39305.D
Acq On : 4 Sep 2020 3:08 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 05 09:17:31 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	TAME	6.133	73	2077010	186.08	ppb		97
44)	Cyclohexane	5.359	41	569712	179.02	ppb		98
46)	Carbontetrachloride	5.566	117	848267	202.14	ppb		97
47)	1,1-Dichloropropene	5.584	75	863338	191.73	ppb		95
49)	Benzene	5.907	78	2572714	184.05	ppb		98
50)	1,2-Dichloroethane	5.968	62	933440	186.42	ppb		99
51)	Iso-Butyl Alcohol	5.968	43	987539	4476.28	ppb		99
52)	n-Heptane	6.352	43	750030	186.90	ppb		98
53)	1-Butanol	6.913	56	1733180	10944.02	ppb		99
54)	Trichloroethene	6.840	130	695856	176.69	ppb		95
55)	Methylcyclohexane	7.053	55	837463	186.73	ppb		99
56)	1,2-Diclpropane	7.133	63	658903	185.76	ppb		97
57)	Dibromomethane	7.279	93	434778	179.76	ppb		92
58)	1,4-Dioxane	7.346	88	307246	3635.60	ppb		84
59)	Methyl Methacrylate	7.352	69	641602	183.61	ppb		96
60)	Bromodichloromethane	7.499	83	885531	189.45	ppb		97
62)	2-Chloroethylvinyl Ether	7.901	63	470547	206.76	ppb		97
63)	cis-1,3-Dichloropropene	8.035	75	1115796	198.25	ppb		96
64)	4-Methyl-2-pentanone	8.248	43	914951	192.61	ppb		99
66)	Toluene	8.389	91	2923301	182.95	ppb		94
67)	trans-1,3-Dichloropropene	8.675	75	1080461	199.39	ppb		97
68)	Ethyl Methacrylate	8.803	69	1141988	189.95	ppb		100
69)	1,1,2-Trichloroethane	8.858	97	674406	193.36	ppb		98
72)	Tetrachloroethene	8.968	164	573552	188.66	ppb		98
73)	2-Hexanone	9.151	43	691598	189.96	ppb		100
74)	1,3-Dichloropropane	9.029	76	1161361	182.73	ppb		97
75)	Dibromochloromethane	9.248	129	714544	210.73	ppb		98
76)	N-Butyl Acetate	9.291	43	1393330	187.17	ppb		99
77)	1,2-Dibromoethane	9.346	107	720987	188.99	ppb		91
78)	Chlorobenzene	9.827	112	1953872	187.07	ppb		94
79)	3-CBTF	9.840	180	1141866	200.46	ppb		97
80)	4-CBTF	9.894	180	1005774	200.76	ppb		98
81)	1,1,1,2-Tetrachloroethane	9.913	131	733145	204.69	ppb		97
82)	Ethylbenzene	9.937	106	1114720	193.64	ppb	#	79
83)	(m+p)Xylene	10.053	106	2693946	388.36	ppb	#	72
84)	o-Xylene	10.406	106	1383157	198.73	ppb		88
85)	Styrene	10.425	104	2332386	198.13	ppb		94
87)	Bromoform	10.583	173	532724	210.63	ppb		99
88)	2-CBTF	10.656	180	1120003	187.51	ppb		97
89)	Isopropylbenzene	10.736	105	3205412	168.29	ppb		91
90)	Cyclohexanone	10.827	55	3574680	3386.87	ppb		90
91)	trans-1,4-Dichloro-2-B...	11.065	53	298606	190.72	ppb		99
92)	1,1,2,2-Tetrachloroethane	11.016	83	1013258	187.45	ppb		97
93)	Bromobenzene	10.992	156	918128	179.29	ppb		96
94)	1,2,3-Trichloropropane	11.047	110	355718	170.07	ppb		95
95)	n-Propylbenzene	11.095	91	3653191	167.88	ppb		86
96)	2-Chlorotoluene	11.156	91	2441253	171.91	ppb		96
97)	3-Chlorotoluene	11.211	91	2497451	178.36	ppb		93
98)	4-Chlorotoluene	11.254	91	2841174	175.96	ppb		93
99)	1,3,5-Trimethylbenzene	11.242	105	2979616	179.48	ppb		90
100)	tert-Butylbenzene	11.516	119	2589944	183.63	ppb		92
101)	1,2,4-Trimethylbenzene	11.553	105	2970402	179.83	ppb		89
102)	3,4-DCBTF	11.620	214	973451	200.19	ppb		97
103)	sec-Butylbenzene	11.693	105	3448844	171.75	ppb		92
104)	p-Isopropyltoluene	11.815	119	3123240	180.08	ppb		86
105)	1,3-Dclbenz	11.784	146	1826437	188.80	ppb		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39305.D
Acq On : 4 Sep 2020 3:08 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 05 09:17:31 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

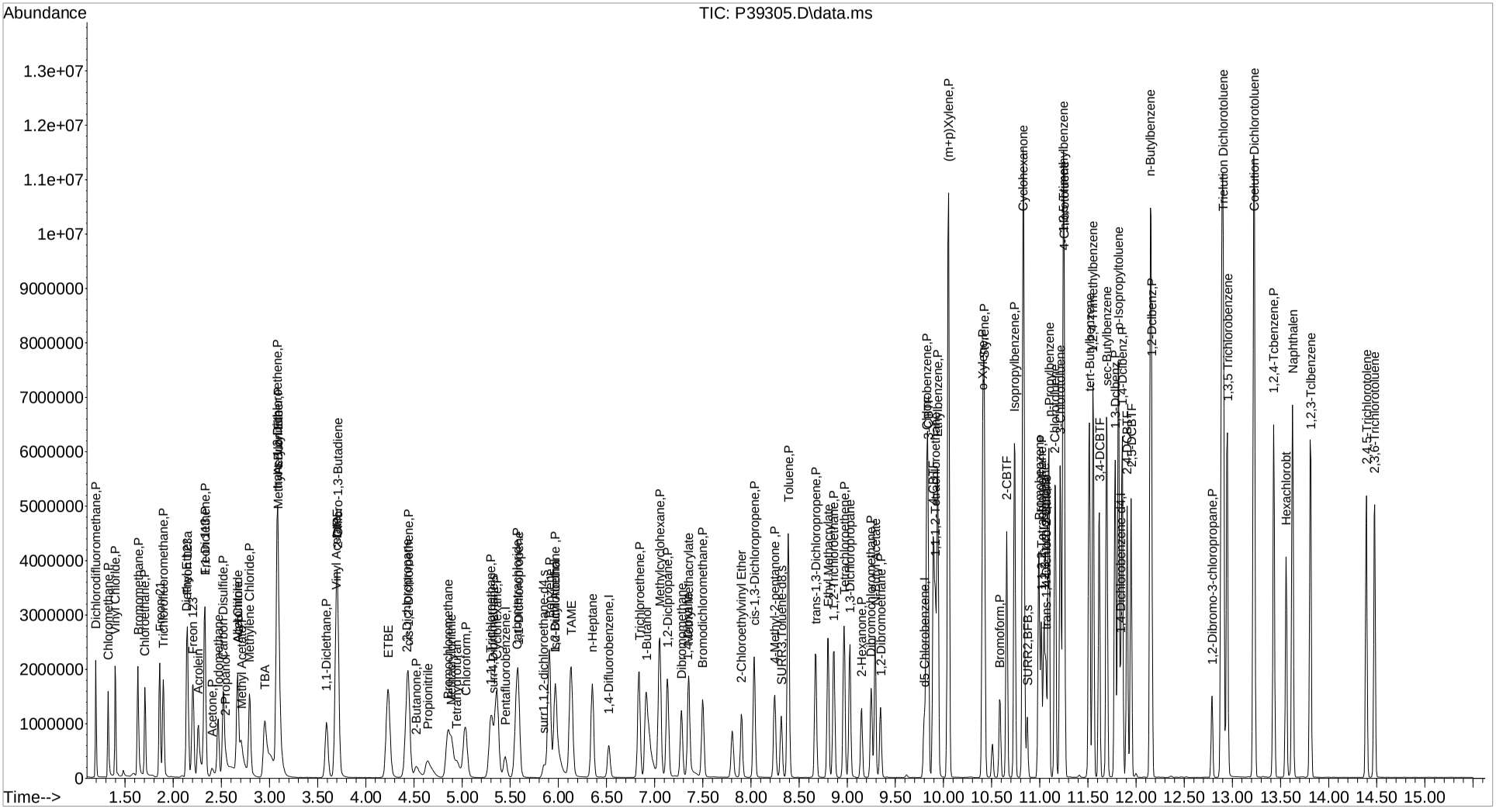
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) 1,4-Dclbenz	11.857	146	1866174	182.87	ppb		95
107) 2,4-DCBTF	11.906	214	912560	210.35	ppb		99
108) 2,5-DCBTF	11.949	214	993462	198.48	ppb		99
109) n-Butylbenzene	12.150	91	2951009	189.17	ppb		87
110) 1,2-Dclbenz	12.162	146	1886634	189.07	ppb		97
111) 1,2-Dibromo-3-chloropr...	12.790	157	322274	206.02	ppb		91
112) Trielution Dichlorotol...	12.900	125	4963180	555.29	ppb	#	86
113) 1,3,5 Trichlorobenzene	12.949	180	1505182	203.33	ppb		97
114) Coelution Dichlorotoluene	13.223	125	3551664	367.12	ppb	#	86
115) 1,2,4-Tcbenzene	13.430	180	1507217	200.09	ppb		98
116) Hexachlorobt	13.558	225	581911	195.43	ppb		96
117) Naphthalen	13.625	128	3873546	167.65	ppb		87
118) 1,2,3-Tclbenzene	13.814	180	1477299	194.21	ppb		97
119) 2,4,5-Trichlorotolene	14.394	159	1091980	198.31	ppb		99
120) 2,3,6-Trichlorotoluene	14.479	159	990512	199.85	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39305.D
Acq On : 4 Sep 2020 3:08 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 05 09:17:31 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

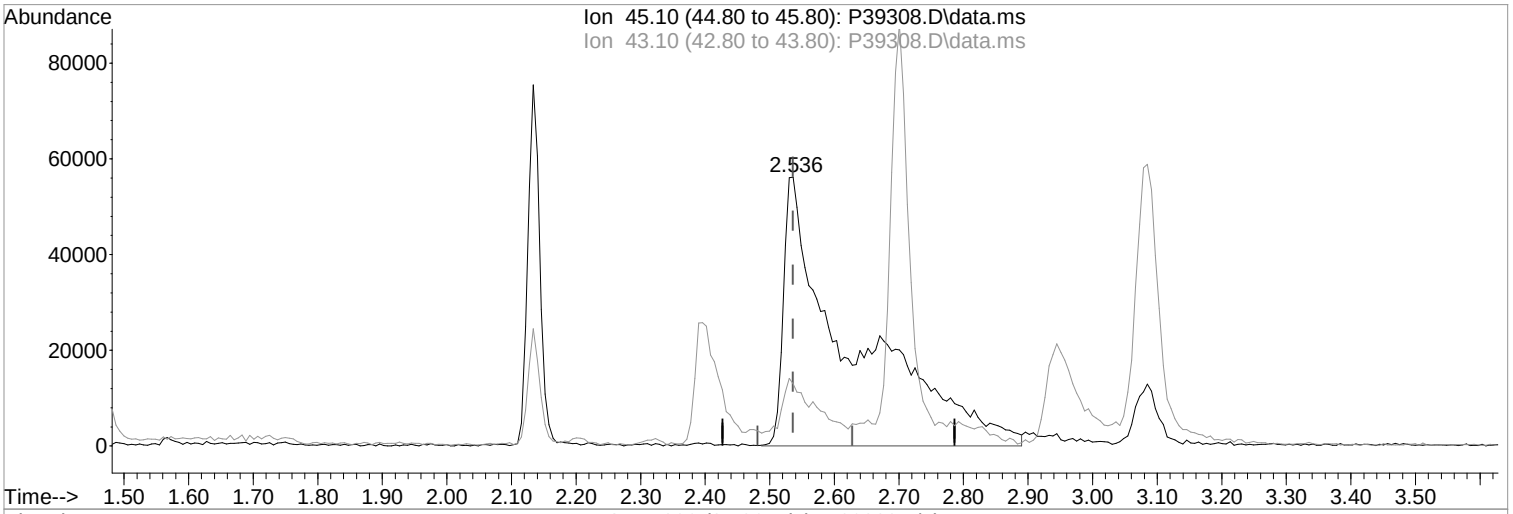


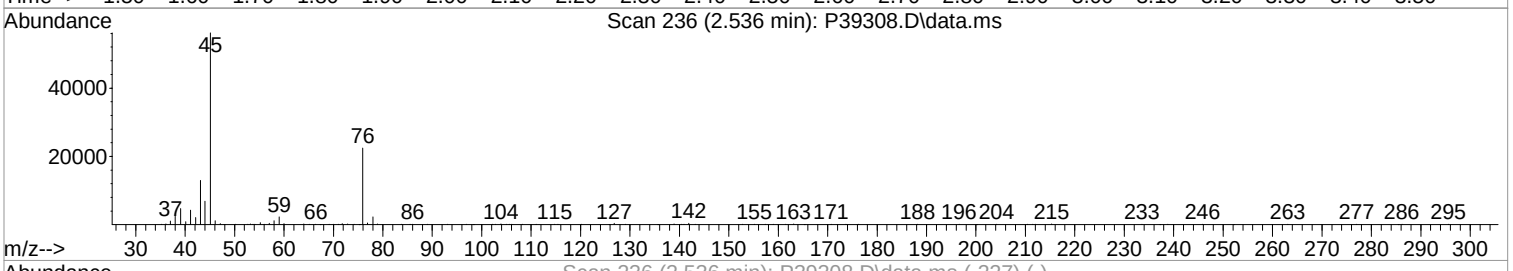
1st 09/05/20
2nd 09/05/20

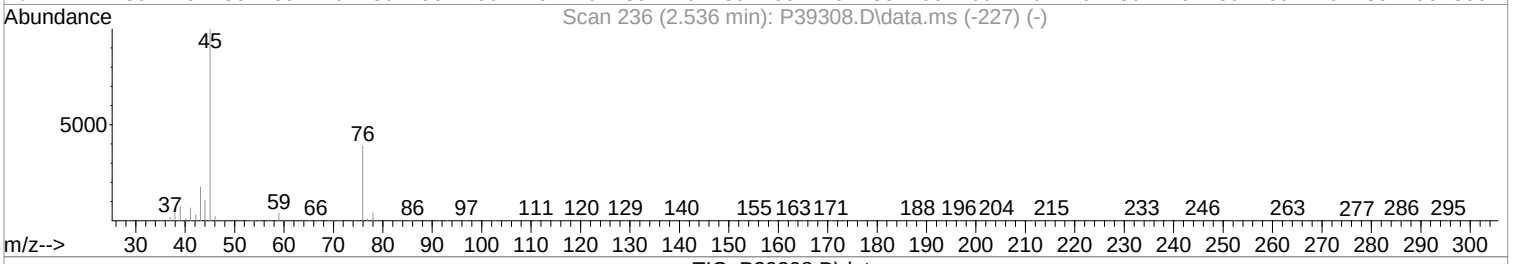
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 17:26:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39308.D\data.ms

(16) 2-Propanol

2.536min (0.000) 996.26 ppb m

response 406953

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	23.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

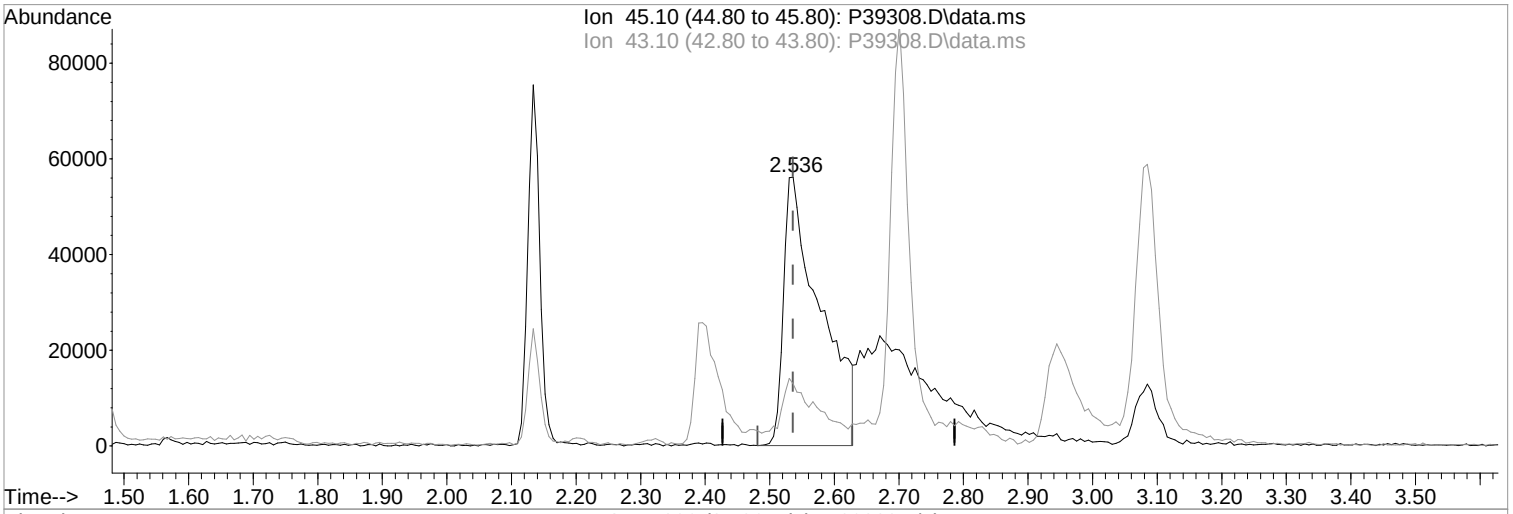
Poor integration.

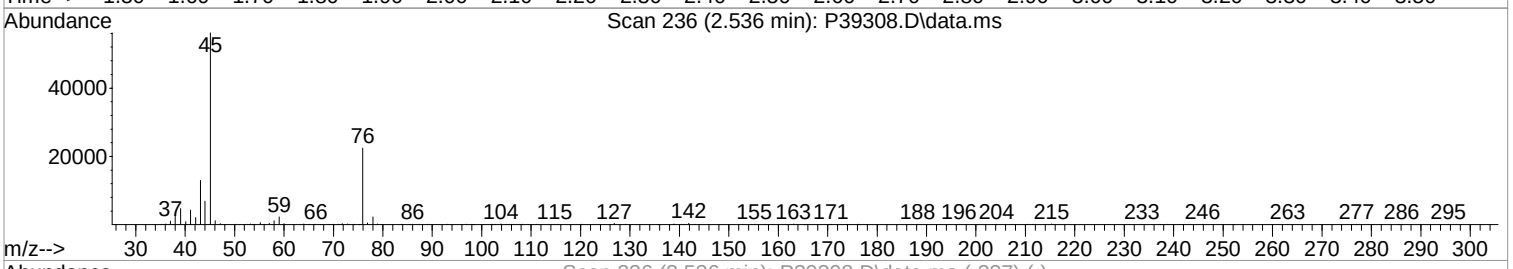
09/05/20

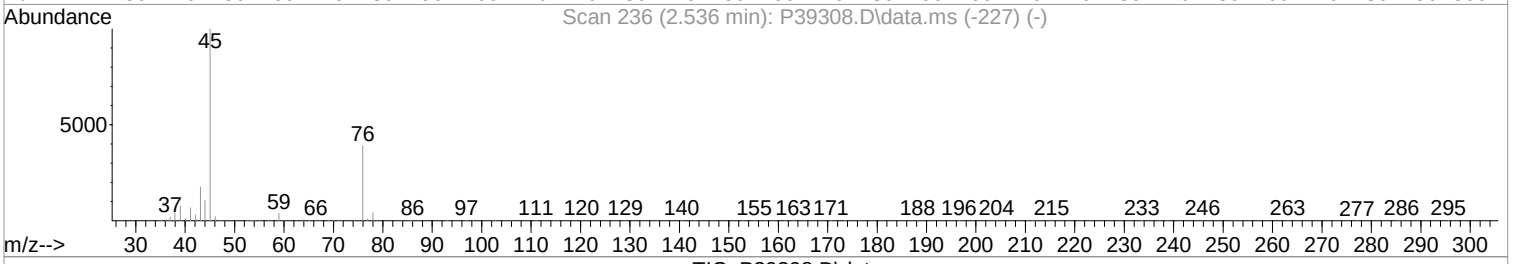
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 17:26:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39308.D\data.ms

(16) 2-Propanol

2.536min (0.000) 540.64 ppb

response 220842

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	23.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

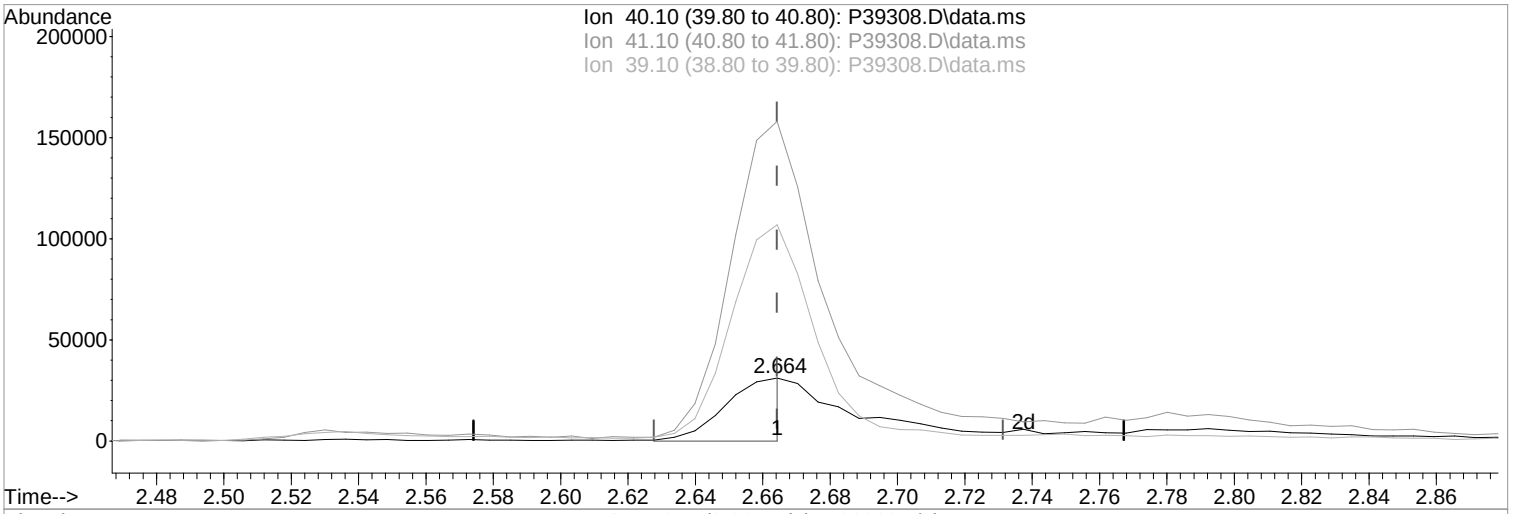
Before

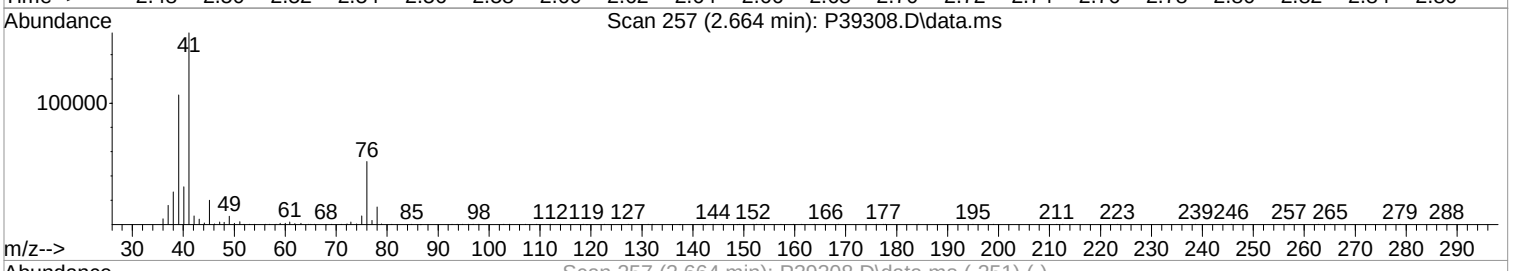
09/05/20

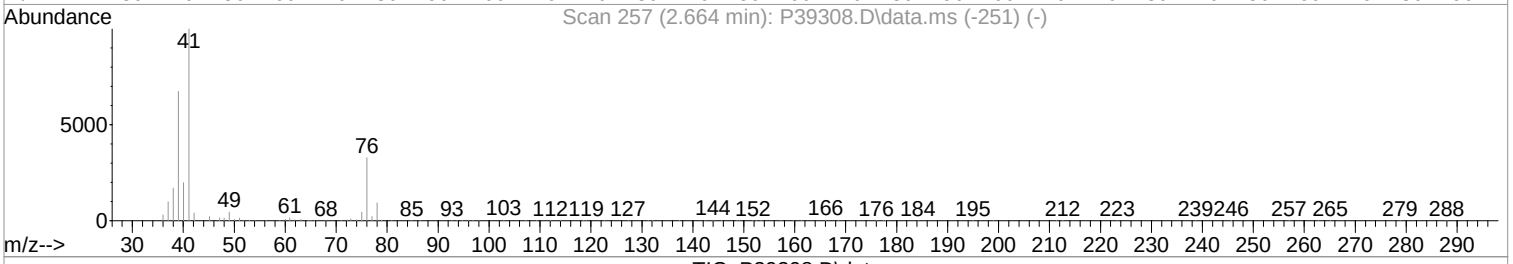
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 17:26:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39308.D\data.ms

(19) Acetonitrile

2.664min (0.000) 292.19 ppb m

response 37551

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	507.50
39.10	343.30	343.27
0.00	0.00	0.00

Manual Integration:

After

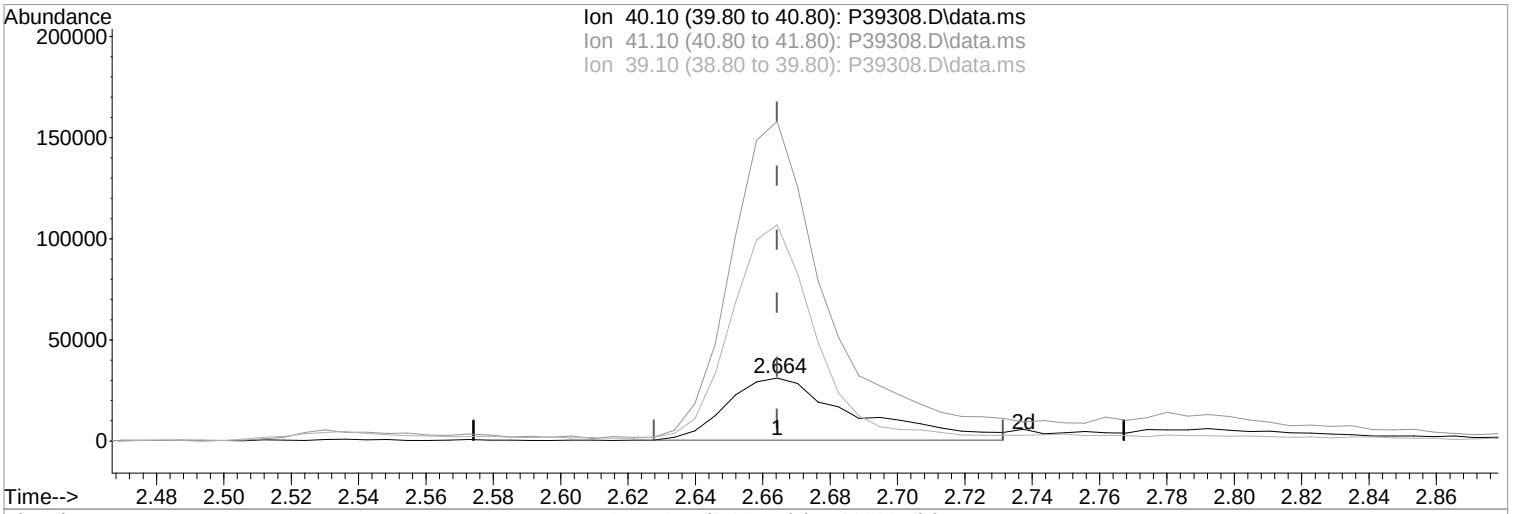
Poor integration.

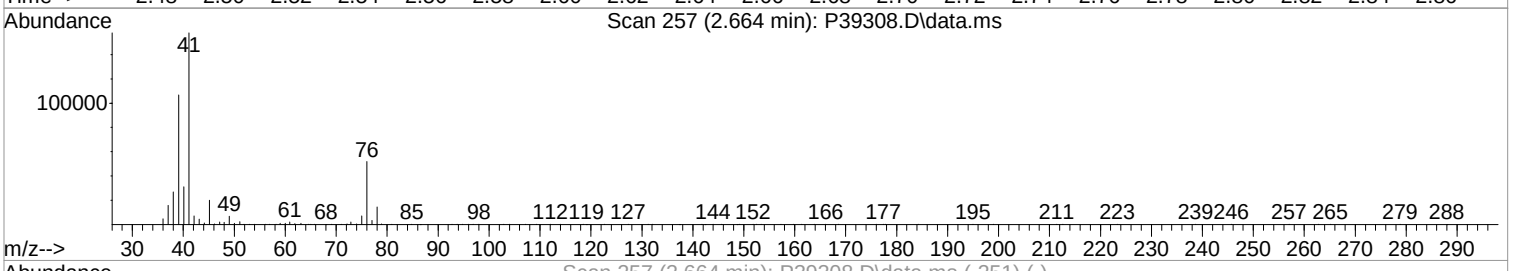
09/05/20

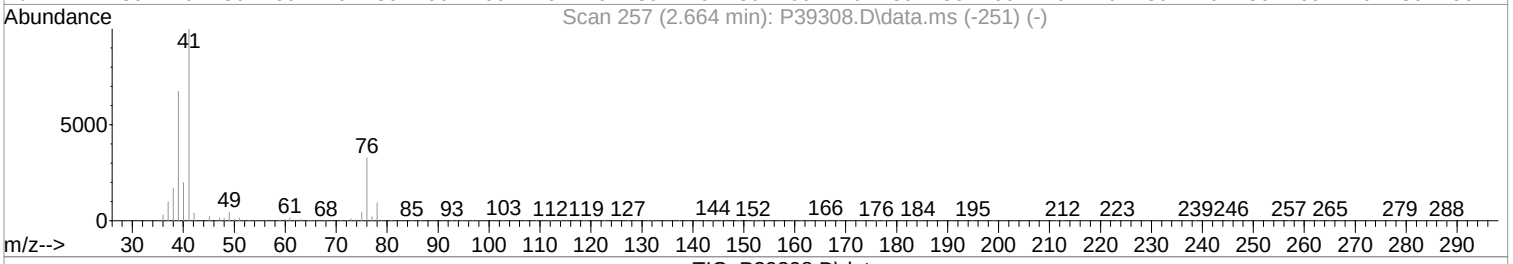
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 17:26:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39308.D\data.ms

(19) Acetonitrile

2.664min (0.000) 632.73 ppb

response 81316

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	507.50
39.10	343.30	343.27
0.00	0.00	0.00

Manual Integration:

Before

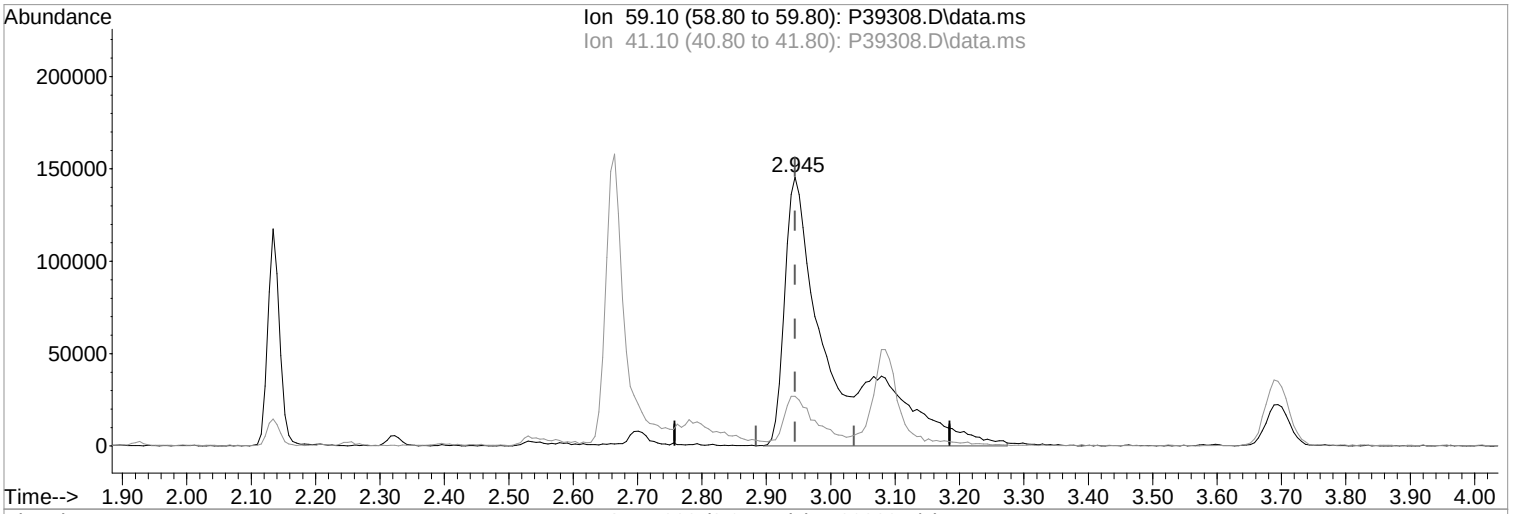
09/05/20

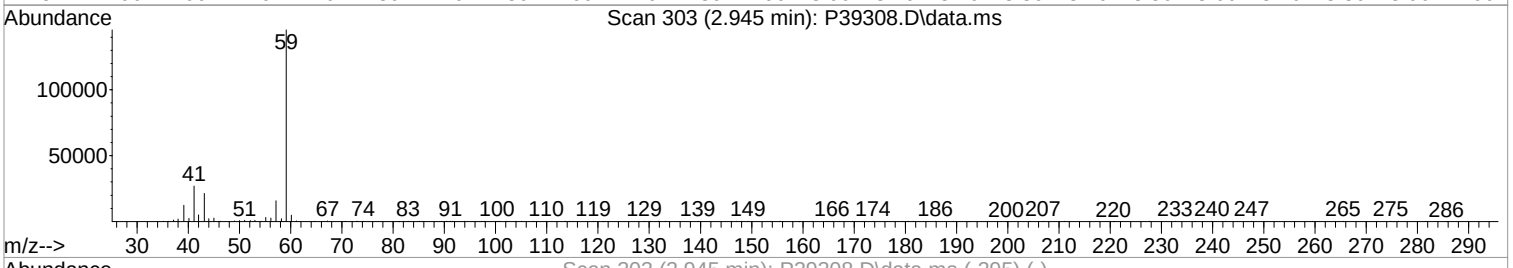
1st 09/05/20
2nd 09/05/20

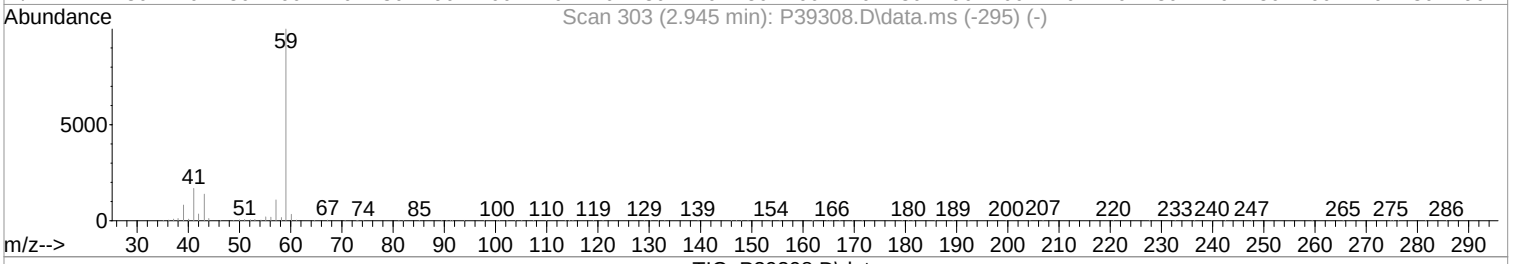
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 17:26:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39308.D\data.ms

(23) TBA

2.945min (0.000) 1001.06 ppb m

response 755883

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	18.49
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

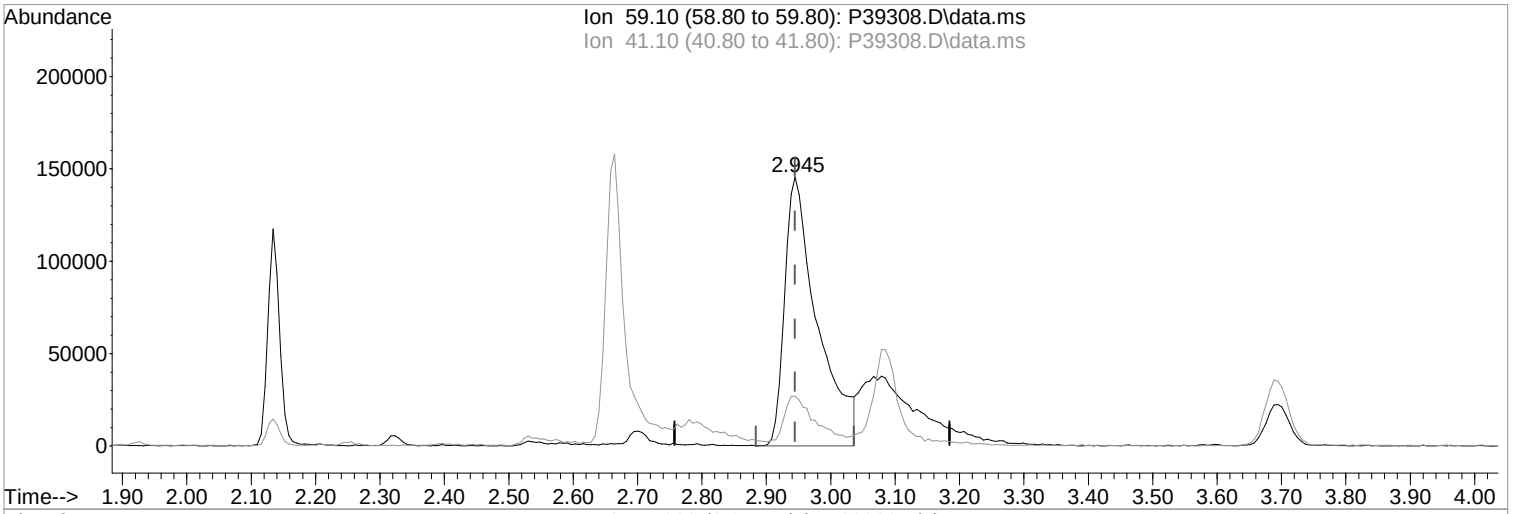
Poor integration.

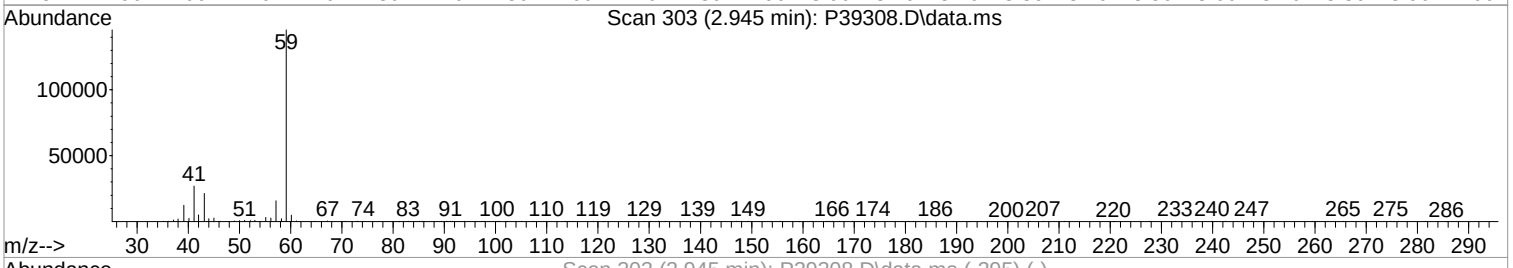
09/05/20

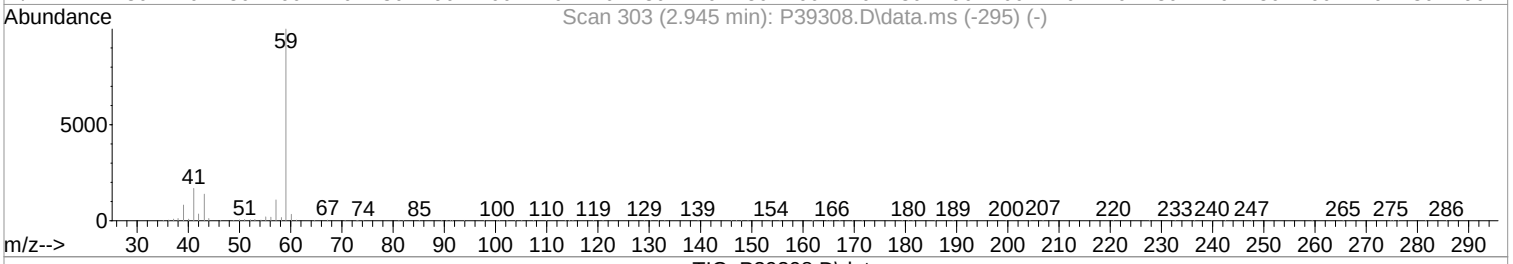
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 17:26:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: P39308.D\data.ms

(23) TBA

2.945min (0.000) 677.82 ppb

response 511809

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	18.49
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/05/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 09:19:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	336743	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	504929	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	468500	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	258160	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	152003	51.28	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.56%			
48) surr1,1,2-dichloroetha...	5.847	65	197127	49.82	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.64%			
65) SURR3,Toluene-d8	8.316	98	684779	50.83	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.66%			
70) SURR2,BFB	10.870	95	268516	51.39	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.189	85	226527	50.95	ppb	100
3) Chloromethane	1.317	50	227369	49.40	ppb	100
4) Vinyl Chloride	1.390	62	290508	51.77	ppb	100
5) Bromomethane	1.628	94	245883	49.76	ppb	100
6) Chloroethane	1.701	64	206906	50.61	ppb	100
7) Freon 21	1.853	67	311125	48.72	ppb	100
8) Trichlorofluoromethane	1.890	101	255287	48.34	ppb	100
9) Diethyl Ether	2.134	59	148640	48.17	ppb	100
10) Freon 123a	2.140	67	173926	48.65	ppb	100
11) Freon 123	2.195	83	203007	48.09	ppb	100
12) Acrolein	2.256	56	214516	241.21	ppb	100
13) 1,1-Diclethene	2.323	96	122389	49.31	ppb	100
14) Freon 113	2.323	101	141982	50.72	ppb	100
15) Acetone	2.396	43	74719	46.97	ppb	100
16) 2-Propanol	2.536	45	406953m	996.26	ppb	
17) Iodomethane	2.457	142	164309	50.55	ppb	100
18) Carbon Disulfide	2.512	76	420467	49.24	ppb	100
19) Acetonitrile	2.664	40	37551m	292.19	ppb	
20) Allyl Chloride	2.664	76	81773	49.90	ppb	100
21) Methyl Acetate	2.701	43	156184	45.88	ppb	100
22) Methylene Chloride	2.786	84	159969	48.30	ppb	100
23) TBA	2.945	59	755883m	1001.06	ppb	
24) Acrylonitrile	3.073	53	458040	255.10	ppb	100
25) Methyl-t-Butyl Ether	3.085	73	568423	49.94	ppb	100
26) trans-1,2-Dichloroethene	3.073	96	143548	49.85	ppb	100
28) 1,1-Diclethane	3.585	63	283103	51.30	ppb	100
29) Vinyl Acetate	3.682	86	37987	60.44	ppb	100
30) DIPE	3.695	45	466365	48.91	ppb	100
31) 2-Chloro-1,3-Butadiene	3.701	53	253194	48.47	ppb	100
32) ETBE	4.225	59	514035	52.63	ppb	100
33) 2,2-Dichloropropane	4.420	77	263338	51.09	ppb	100
34) cis-1,2-Dichloroethene	4.438	96	174013	50.00	ppb	100
35) 2-Butanone	4.518	43	105155	48.15	ppb	100
36) Propionitrile	4.633	54	205979	234.62	ppb	100
37) Bromochloromethane	4.847	130	116835	52.15	ppb	100
38) Methacrylonitrile	4.889	67	94457	45.30	ppb	100
39) Tetrahydrofuran	4.950	42	75631	45.47	ppb	100
40) Chloroform	5.024	83	279564	48.31	ppb	100
41) 1,1,1-Trichloroethane	5.292	97	264354	50.51	ppb	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 09:19:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.133	73	537823	51.58	ppb	100
44) Cyclohexane	5.353	41	145059	47.62	ppb	100
46) Carbontetrachloride	5.560	117	212566	52.93	ppb	100
47) 1,1-Dichloropropene	5.578	75	227315	52.74	ppb	100
49) Benzene	5.901	78	676617	50.57	ppb	100
50) 1,2-Dichloroethane	5.962	62	236585	49.37	ppb	100
51) Iso-Butyl Alcohol	5.962	43	206420	977.60	ppb	100
52) n-Heptane	6.346	43	187275	48.76	ppb	100
53) 1-Butanol	6.913	56	392790	2591.43	ppb	100
54) Trichloroethene	6.834	130	185636	49.25	ppb	100
55) Methylcyclohexane	7.048	55	221509	51.60	ppb	100
56) 1,2-Diclpropane	7.127	63	170297	50.16	ppb	100
57) Dibromomethane	7.273	93	111433	48.14	ppb	100
58) 1,4-Dioxane	7.358	88	83310	1029.99	ppb	100
59) Methyl Methacrylate	7.352	69	167563	50.10	ppb	100
60) Bromodichloromethane	7.499	83	222749	49.79	ppb	100
62) 2-Chloroethylvinyl Ether	7.901	63	110629	50.79	ppb	100
63) cis-1,3-Dichloropropene	8.029	75	282087	52.37	ppb	100
64) 4-Methyl-2-pentanone	8.242	43	228432	50.25	ppb	100
66) Toluene	8.389	91	788573	51.56	ppb	100
67) trans-1,3-Dichloropropene	8.669	75	277628	53.53	ppb	100
68) Ethyl Methacrylate	8.797	69	292001	50.75	ppb	100
69) 1,1,2-Trichloroethane	8.858	97	172223	51.59	ppb	100
72) Tetrachloroethene	8.968	164	145698	50.70	ppb	100
73) 2-Hexanone	9.145	43	172716	50.18	ppb	100
74) 1,3-Dichloropropane	9.029	76	293094	48.78	ppb	100
75) Dibromochloromethane	9.248	129	174428	54.42	ppb	100
76) N-Butyl Acetate	9.291	43	356497	50.66	ppb	100
77) 1,2-Dibromoethane	9.346	107	174361	48.35	ppb	100
78) Chlorobenzene	9.827	112	515409	52.20	ppb	100
79) 3-CBTF	9.840	180	273348	50.76	ppb	100
80) 4-CBTF	9.895	180	244479	51.63	ppb	100
81) 1,1,1,2-Tetrachloroethane	9.913	131	179399	52.98	ppb	100
82) Ethylbenzene	9.937	106	284253	52.24	ppb	100
83) (m+p)Xylene	10.047	106	699703	106.71	ppb	100
84) o-Xylene	10.407	106	340529	51.76	ppb	100
85) Styrene	10.425	104	596145	53.57	ppb	100
87) Bromoform	10.583	173	120458	53.29	ppb	100
88) 2-CBTF	10.657	180	268292	50.26	ppb	100
89) Isopropylbenzene	10.736	105	894983	52.57	ppb	100
90) Cyclohexanone	10.827	55	956714	1014.21	ppb	100
91) trans-1,4-Dichloro-2-B...	11.065	53	75087	53.66	ppb	100
92) 1,1,2,2-Tetrachloroethane	11.016	83	255103	52.80	ppb	100
93) Bromobenzene	10.992	156	234822	51.31	ppb	100
94) 1,2,3-Trichloropropane	11.047	110	91228	48.80	ppb	100
95) n-Propylbenzene	11.089	91	1049105	53.94	ppb	100
96) 2-Chlorotoluene	11.156	91	635710	50.09	ppb	100
97) 3-Chlorotoluene	11.211	91	639840	51.13	ppb	100
98) 4-Chlorotoluene	11.254	91	723355	50.12	ppb	100
99) 1,3,5-Trimethylbenzene	11.242	105	783010	52.77	ppb	100
100) tert-Butylbenzene	11.516	119	663927	52.67	ppb	100
101) 1,2,4-Trimethylbenzene	11.553	105	788192	53.39	ppb	100
102) 3,4-DCBTF	11.614	214	223053	51.32	ppb	100
103) sec-Butylbenzene	11.693	105	960594	53.52	ppb	100
104) p-Isopropyltoluene	11.815	119	846501	54.61	ppb	100
105) 1,3-Dclbenz	11.784	146	449733	52.02	ppb	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 09:19:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.858	146	457570	50.17	ppb	100
107) 2,4-DCBTF	11.906	214	199929	51.56	ppb	100
108) 2,5-DCBTF	11.949	214	232607	52.00	ppb	100
109) n-Butylbenzene	12.144	91	758267	54.39	ppb	100
110) 1,2-Dclbenz	12.156	146	451489	50.63	ppb	100
111) 1,2-Dibromo-3-chloropr...	12.790	157	77323	55.31	ppb	100
112) Trielution Dichlorotol...	12.894	125	1264662	158.31	ppb	100
113) 1,3,5 Trichlorobenzene	12.943	180	350690	53.00	ppb	100
114) Coelution Dichlorotoluene	13.223	125	941479	108.89	ppb	100
115) 1,2,4-Tcbenzene	13.430	180	362566	53.86	ppb	100
116) Hexachlorobt	13.558	225	139799	52.53	ppb	100
117) Naphthalen	13.626	128	1159377	56.14	ppb	100
118) 1,2,3-Tclbenzene	13.808	180	364878	53.67	ppb	100
119) 2,4,5-Trichlorotolene	14.394	159	268760	54.61	ppb	100
120) 2,3,6-Trichlorotoluene	14.479	159	238819	53.91	ppb	100

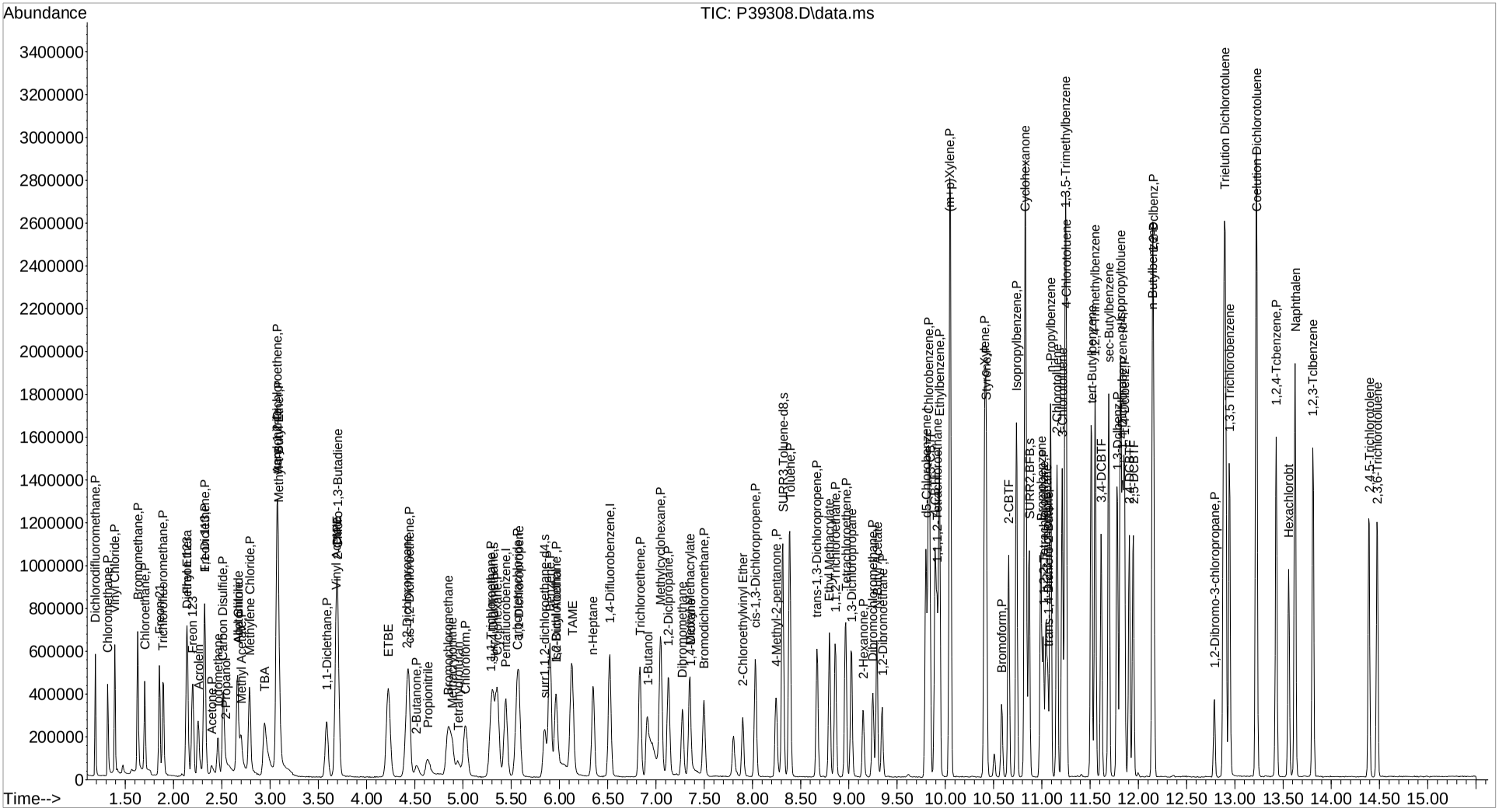
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39308.D
Acq On : 4 Sep 2020 4:13 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 13 Sample Multiplier: 1

09/05/20 1st 09/05/20 2nd

Quant Time: Sep 05 09:19:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

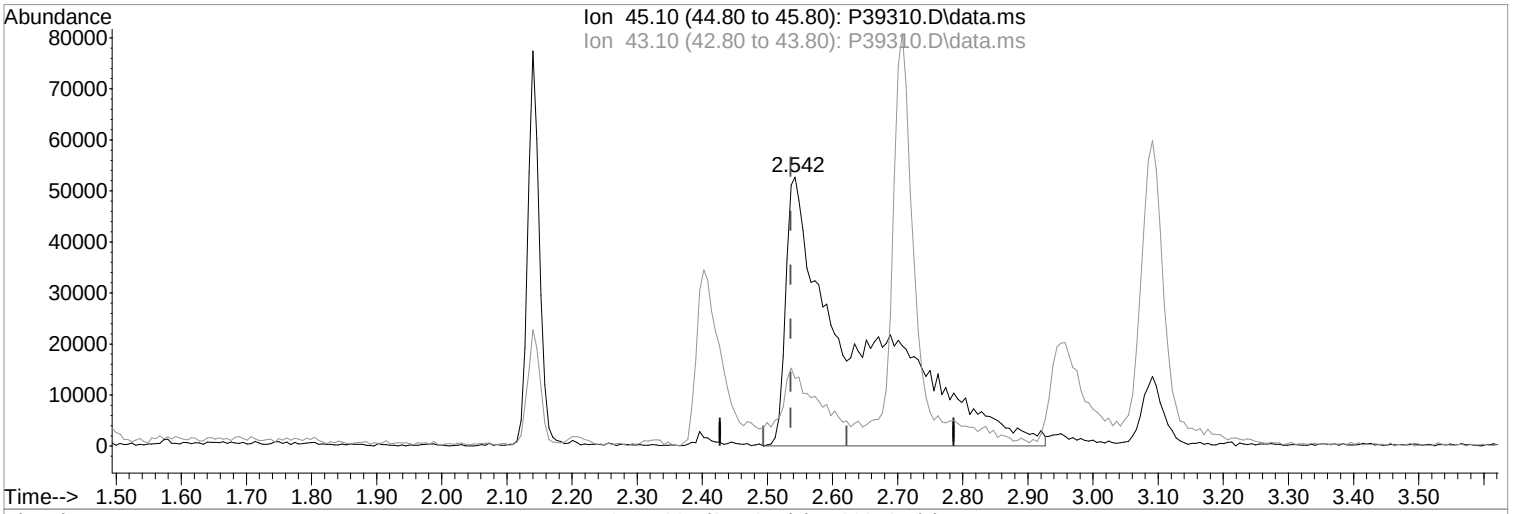


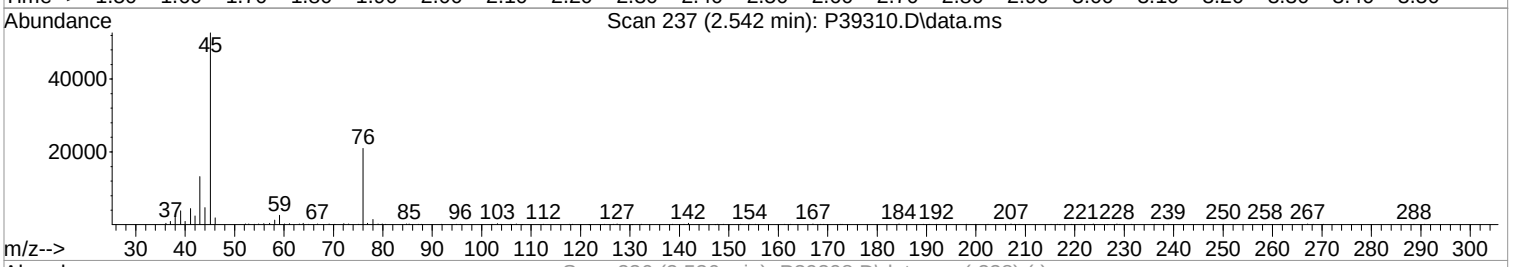
1st 09/05/20
2nd 09/05/20

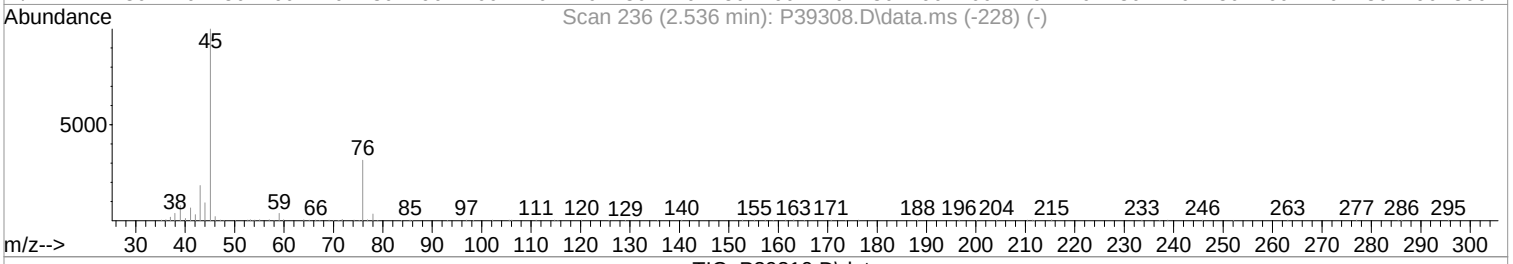
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39310.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 999.46 ppb m

response 406274

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	25.18
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

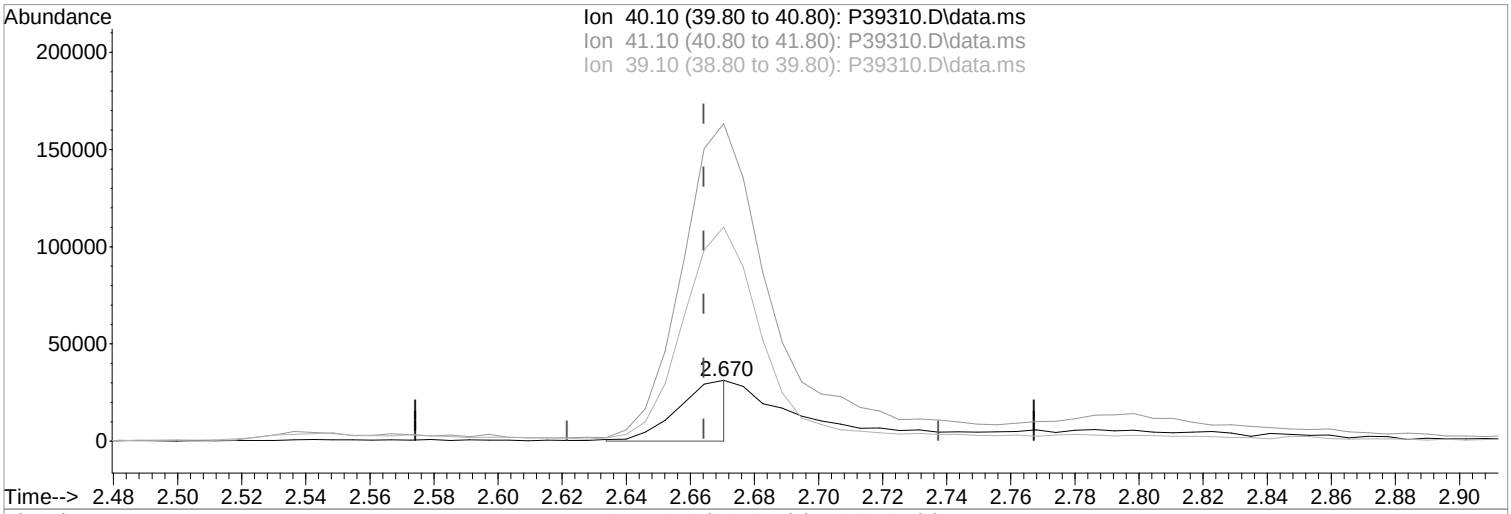
Poor integration.

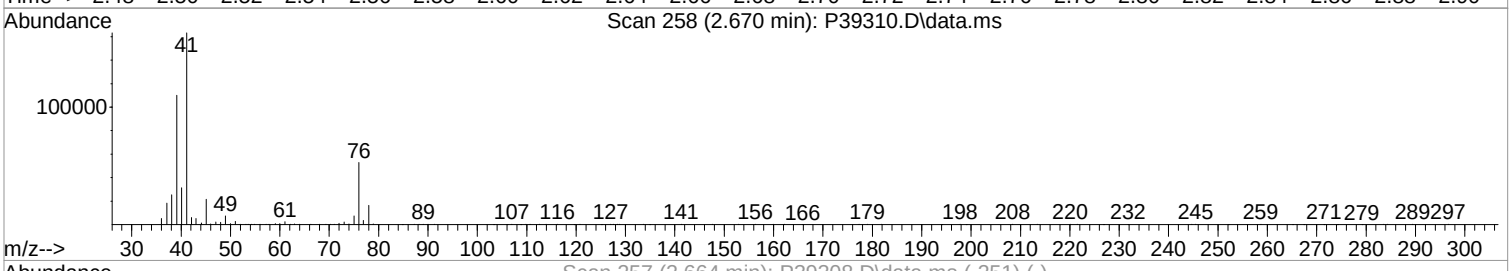
09/05/20

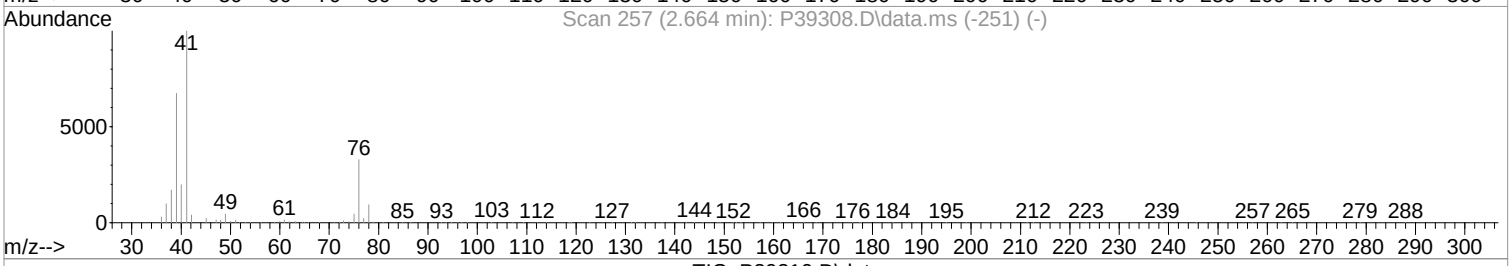
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39310.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 271.94 ppb m

response 35530

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	520.95
39.10	343.30	351.42
0.00	0.00	0.00

Manual Integration:

After

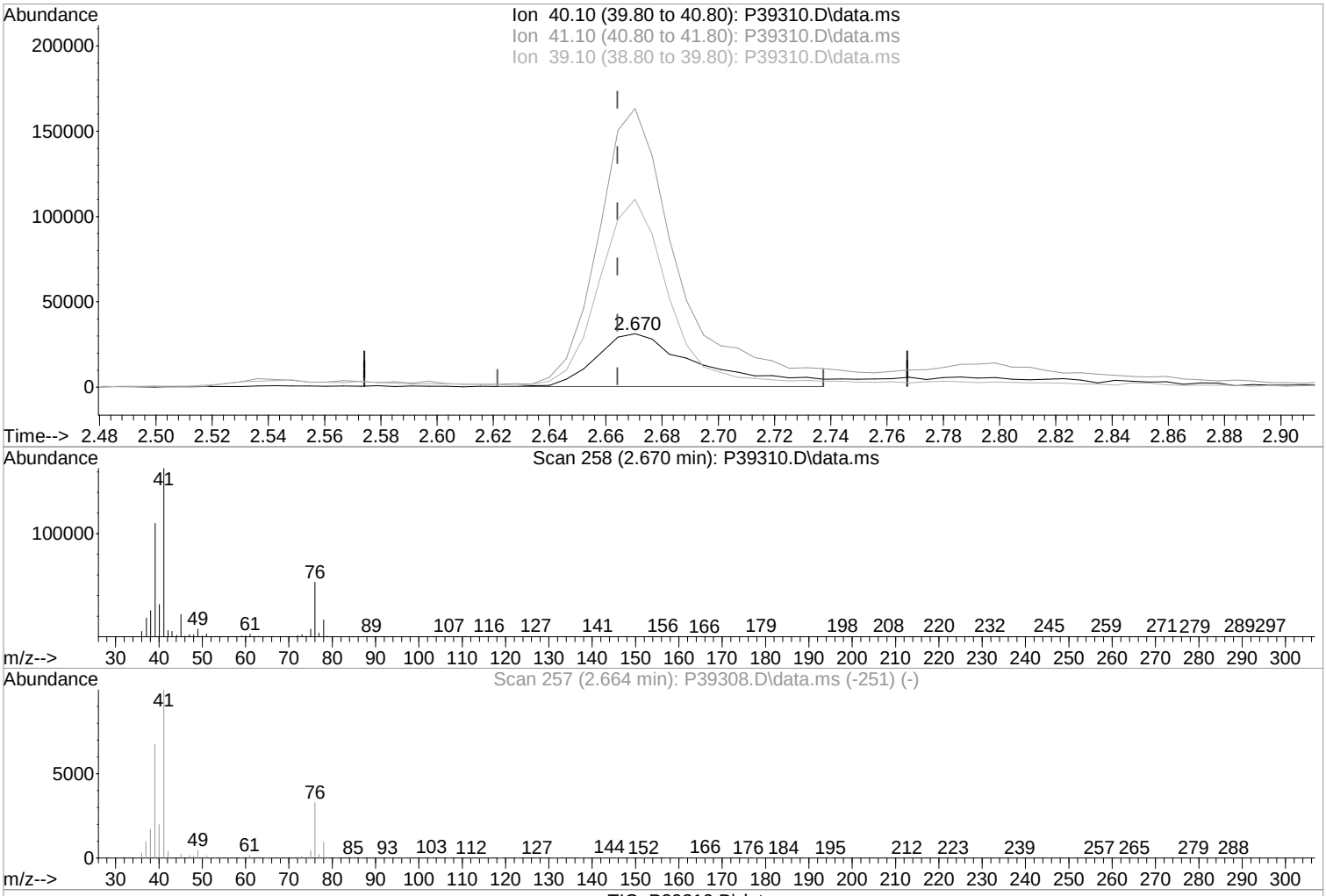
Poor integration.

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39310.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 604.84 ppb

response 79023

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	520.95
39.10	343.30	351.42
0.00	0.00	0.00

Manual Integration:

Before

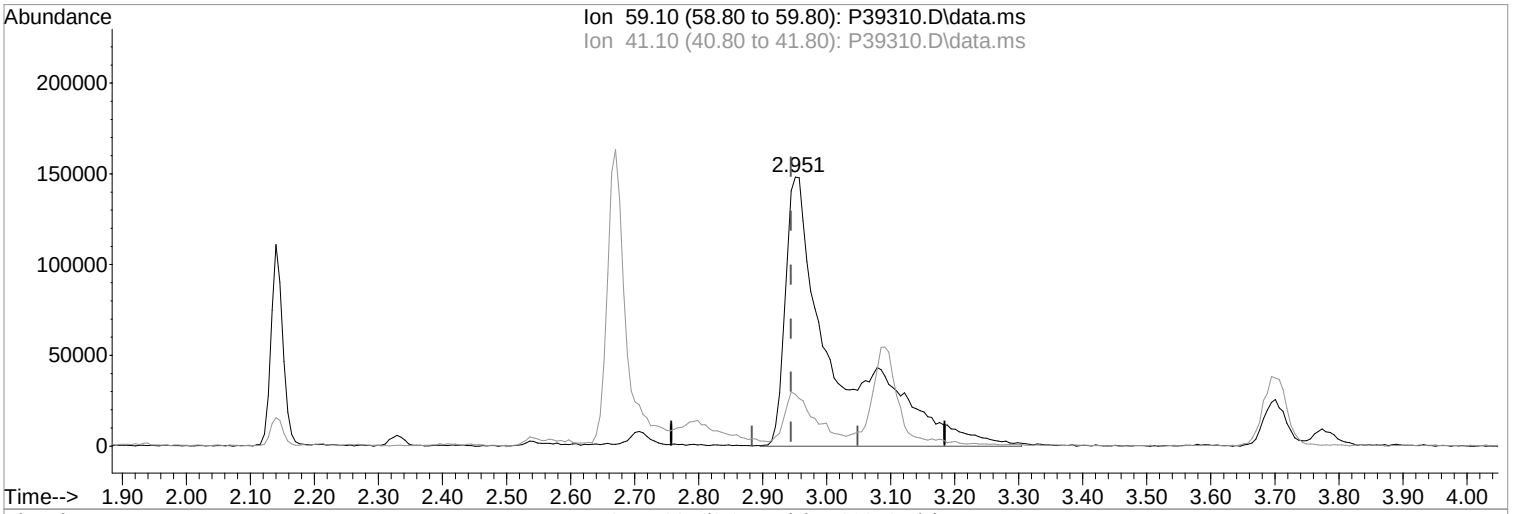
09/05/20

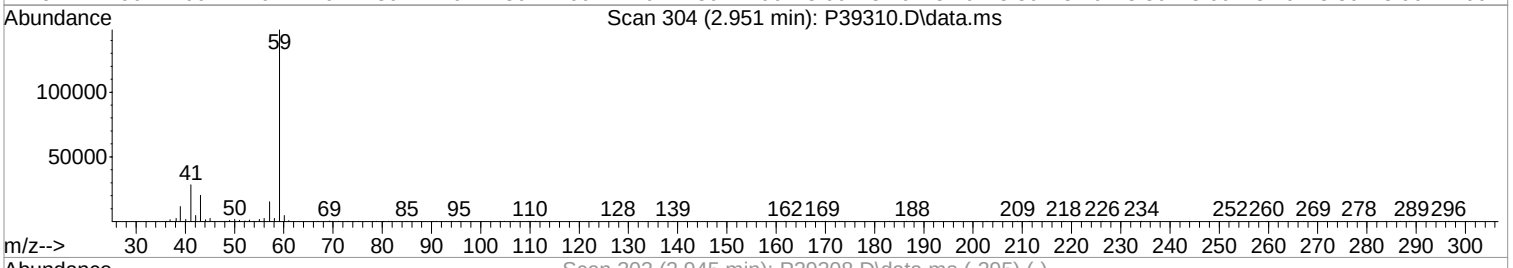
1st 09/05/20
2nd 09/05/20

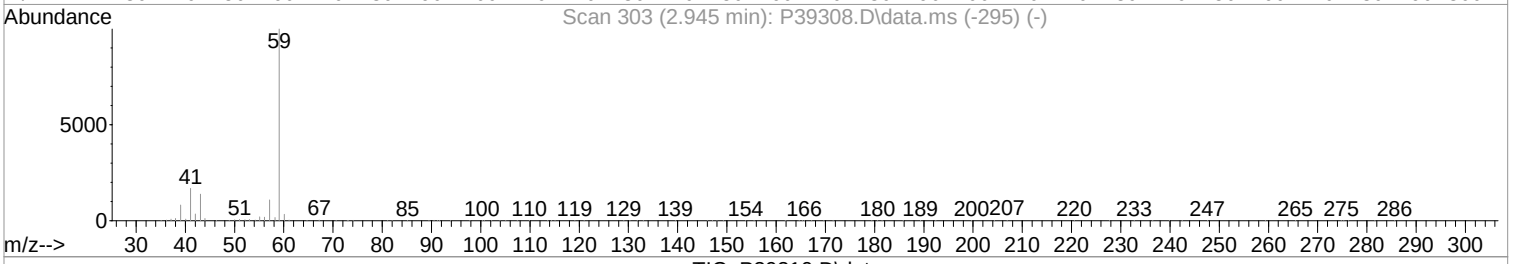
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39310.D\data.ms

(23) TBA

2.951min (+0.006) 1050.71 ppb m

response 799013

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	19.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

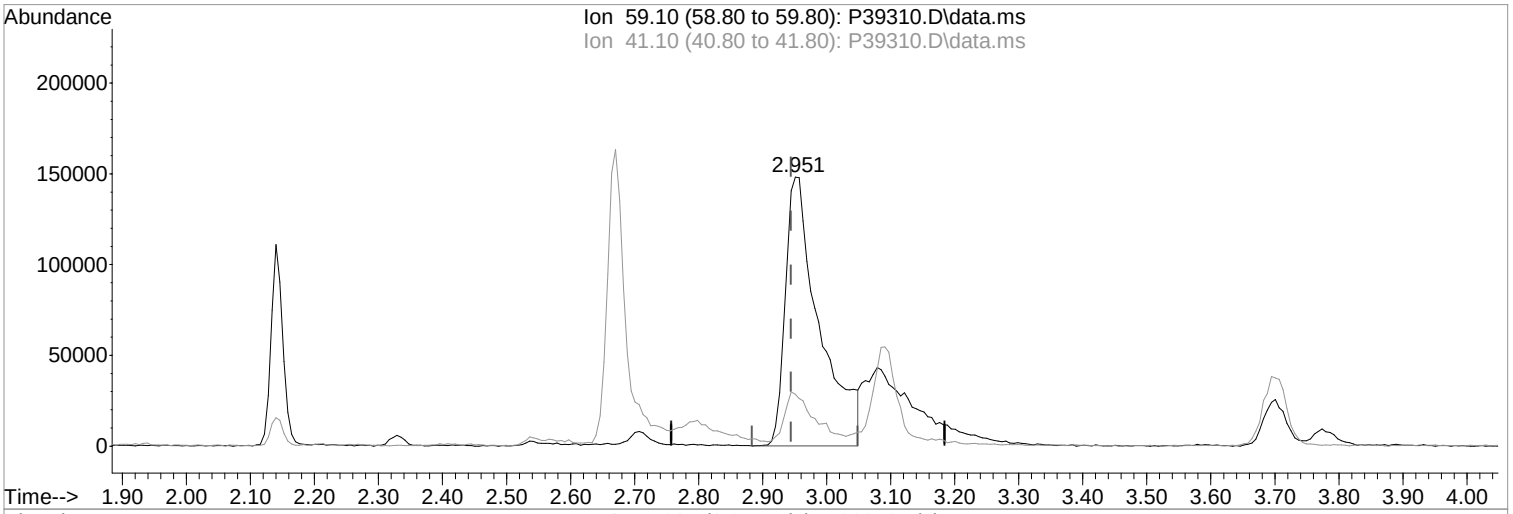
Poor integration.

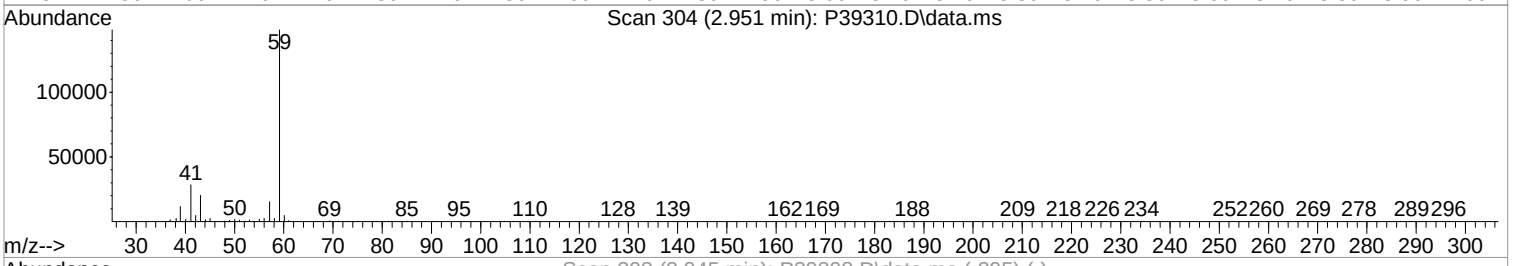
09/05/20

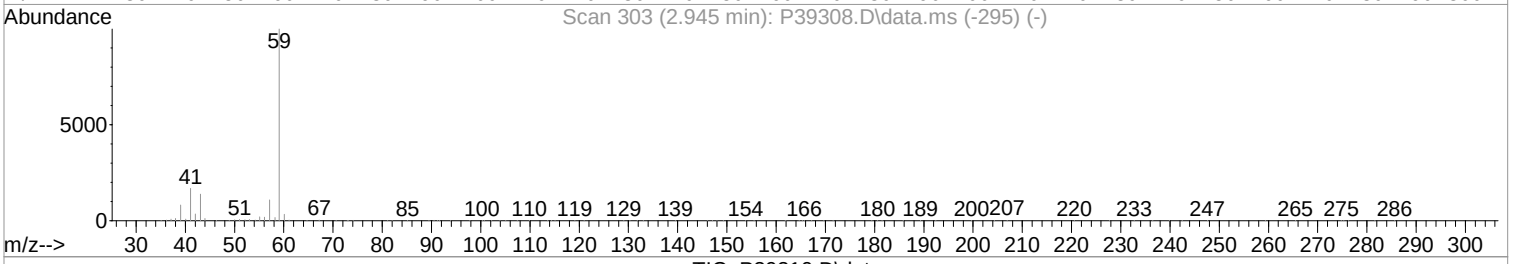
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39310.D\data.ms

(23) TBA

2.951min (+0.006) 713.83 ppb

response 542834

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	19.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

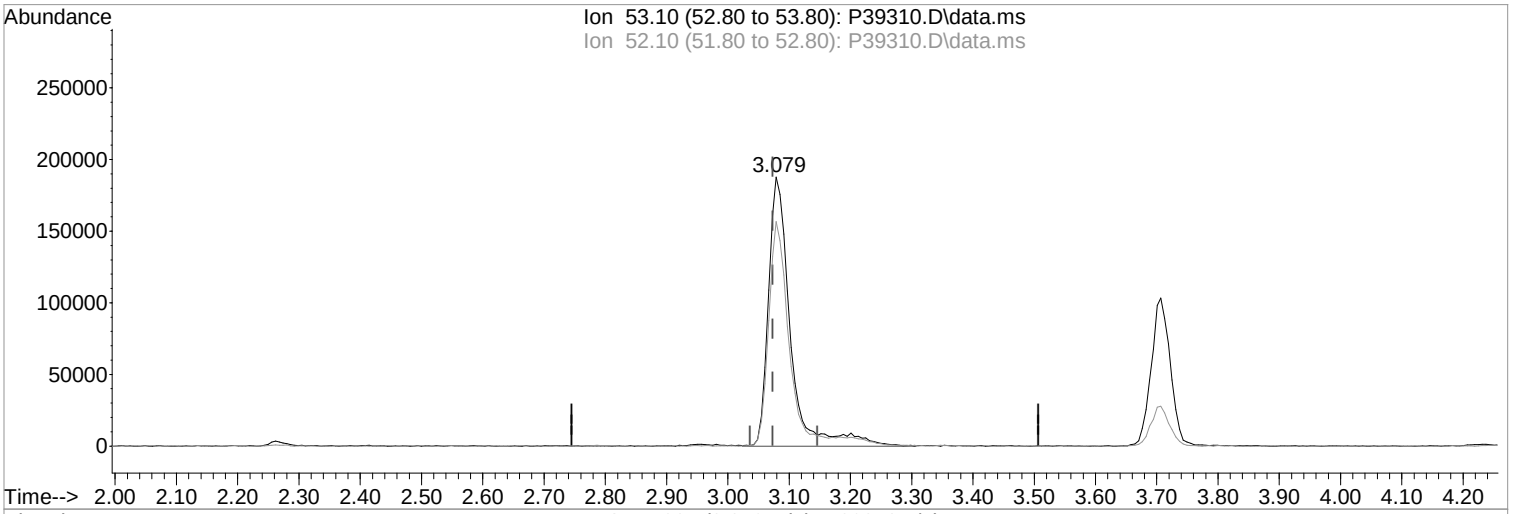
09/05/20

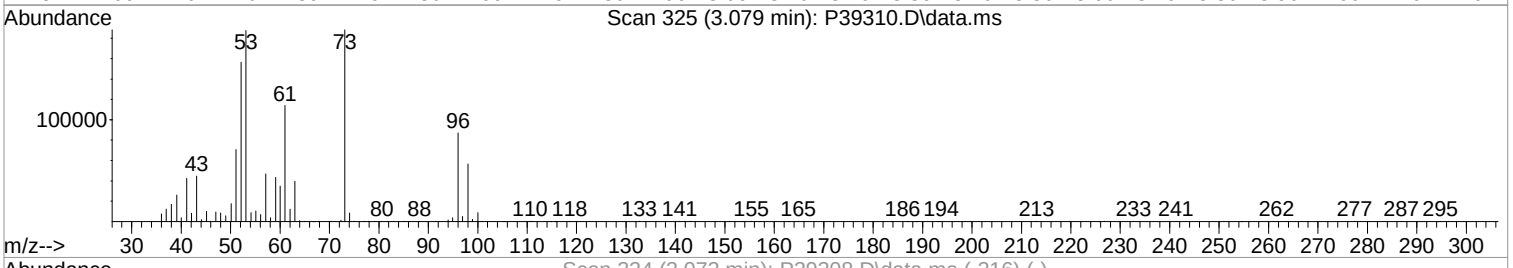
1st 09/05/20
2nd 09/05/20

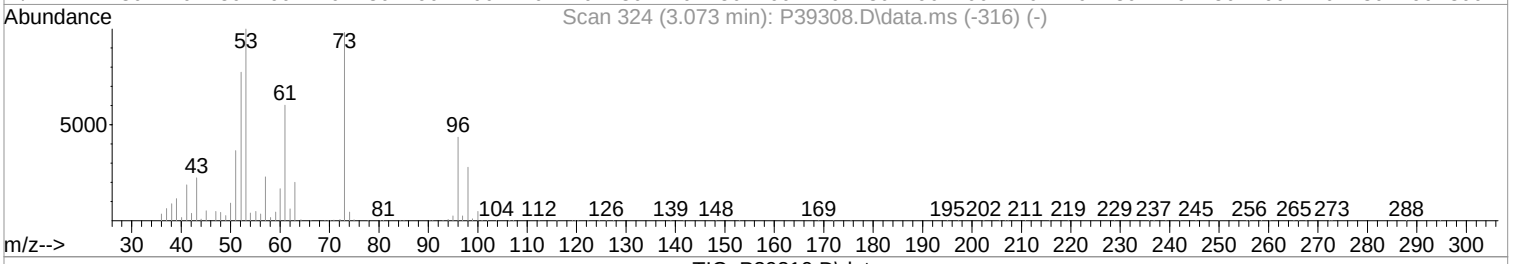
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39310.D\data.ms

(24) Acrylonitrile

3.079min (+0.006) 259.24 ppb m

response 469673

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	83.44
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

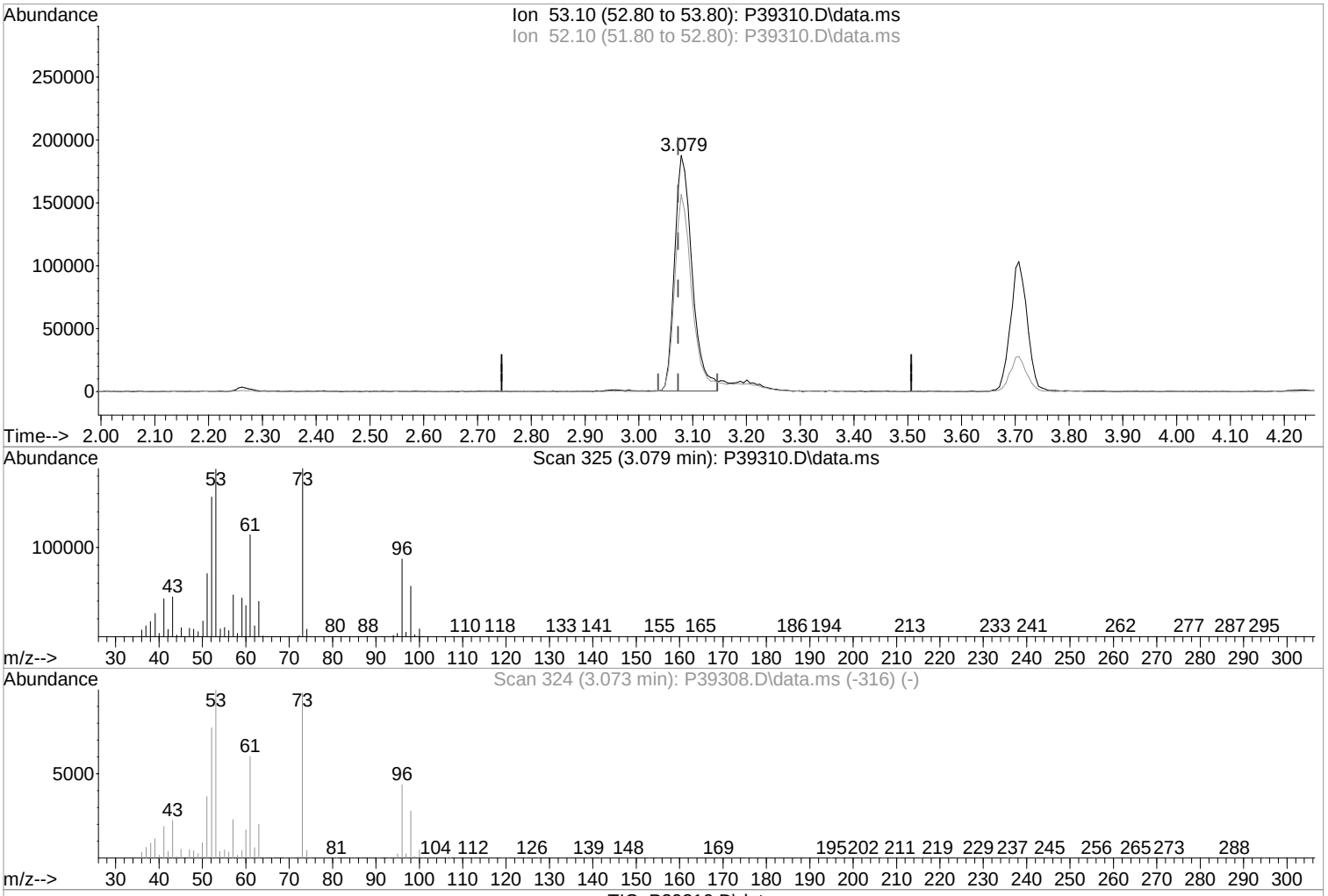
Poor integration.

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39310.D\data.ms

(24) Acrylonitrile

3.079min (+0.006) 235.72 ppb

response 427057

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	83.44
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

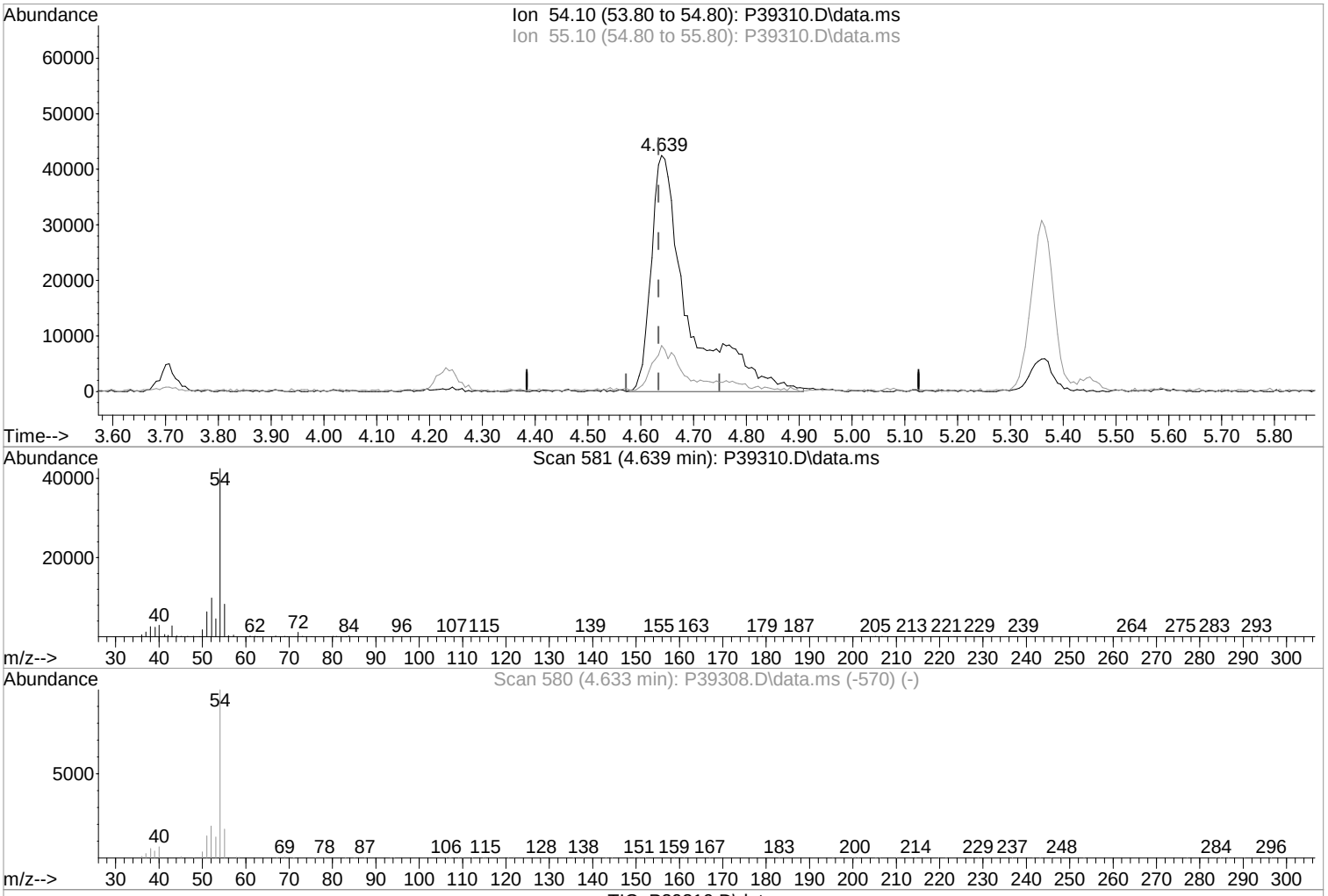
Before

09/05/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39310.D\data.ms

(36) Propionitrile

4.639min (+0.006) 240.79 ppb m

response 207356

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	19.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

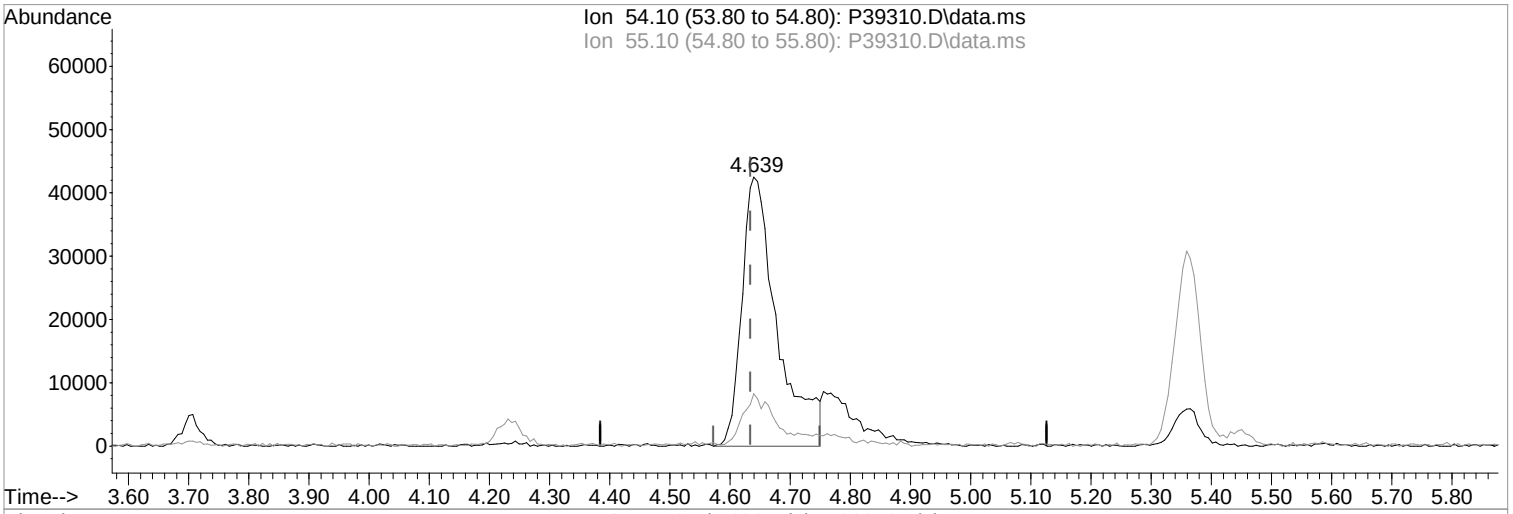
09/05/20

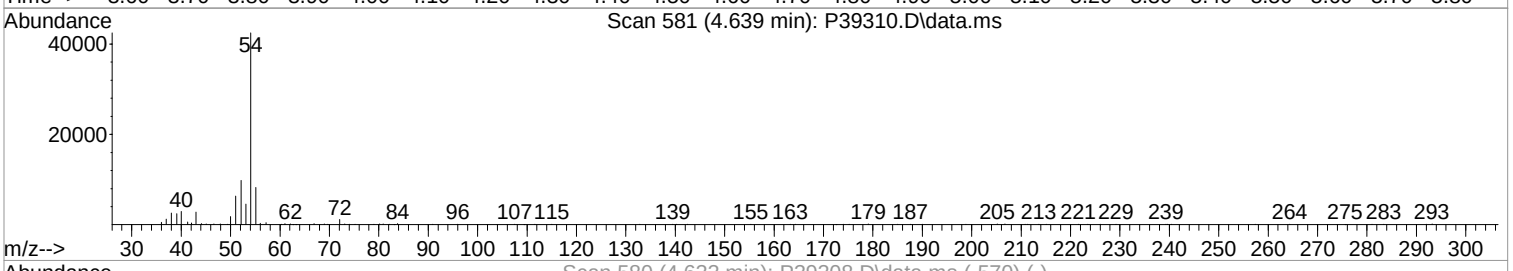
1st 09/05/20
2nd 09/05/20

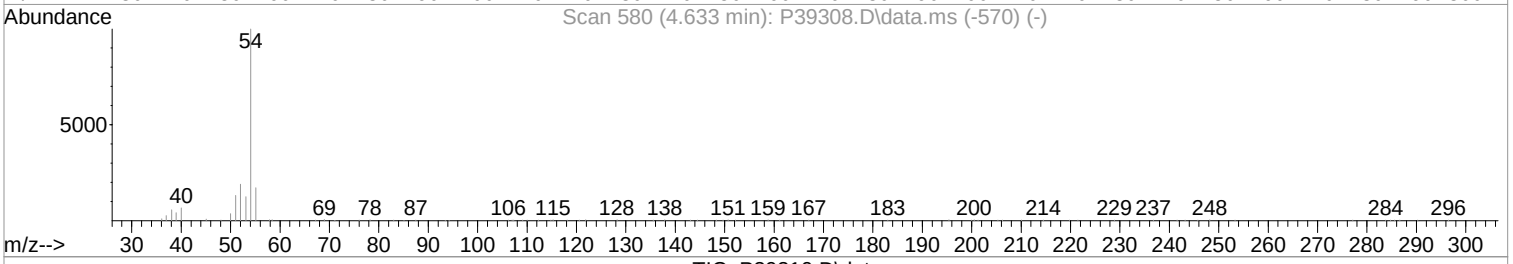
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39310.D\data.ms

(36) Propionitrile

4.639min (+0.006) 200.51 ppb

response 172665

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	19.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

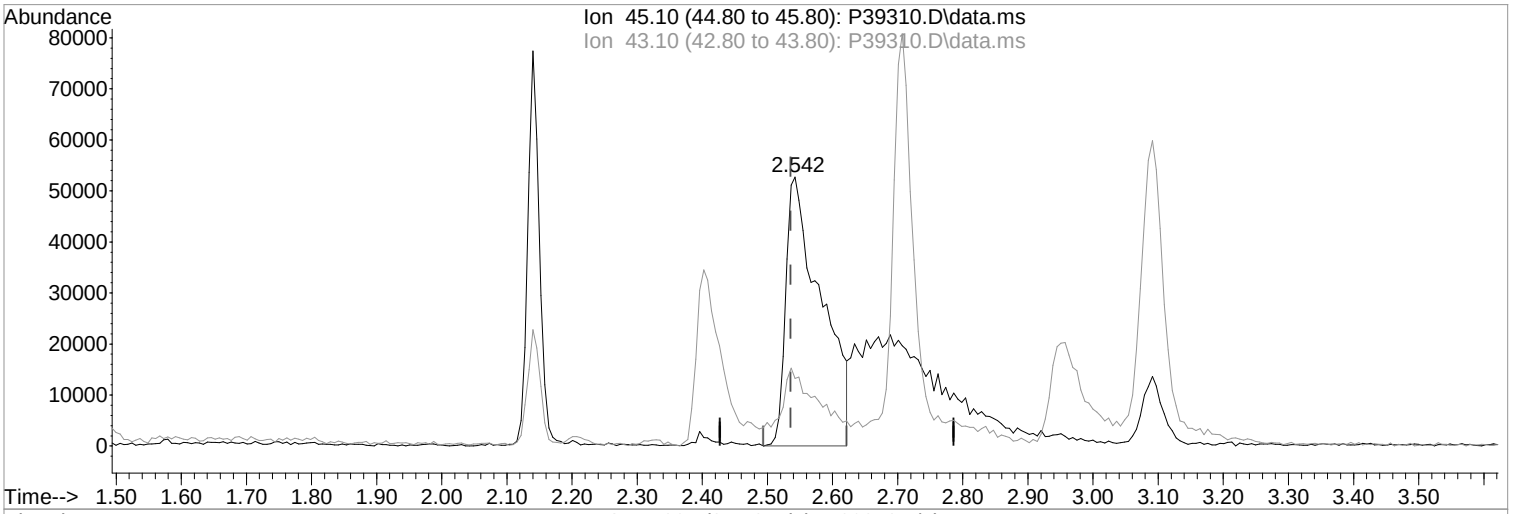
Before

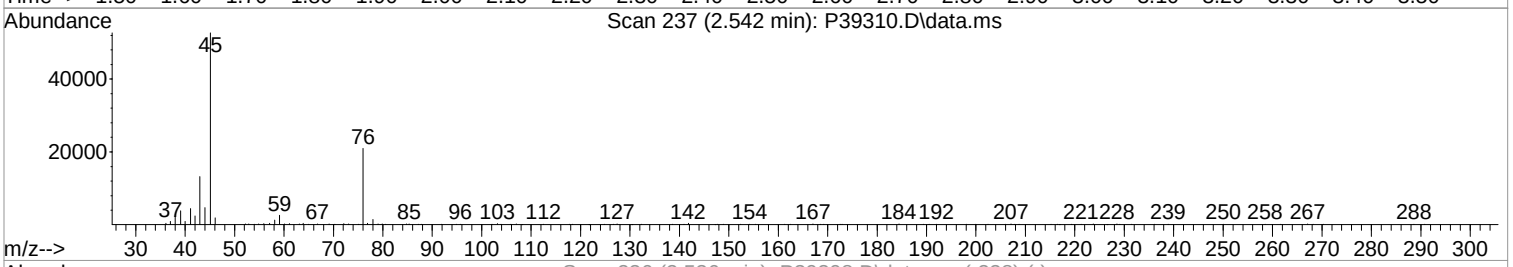
09/05/20

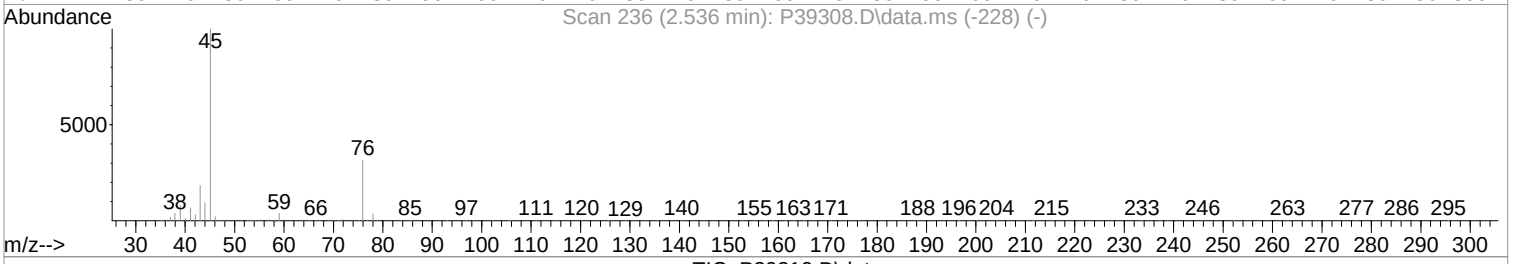
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39310.D
Acq On : 4 Sep 2020 4:57 pm
Operator : K.Ruest
Sample : ICV-50 Inst : MSVOA-12
Misc : 8260/624 ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 10:28:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39310.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 489.25 ppb

response 198875

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	25.18
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/05/20

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood **Calibration Date:** 9/4/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000132 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2000132-01	0.5ppb	I:\ACQUDATA\msvoa12\Data\090420\P39297.D	09/04/2020 12:13
02	RC2000132-02	1.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39298.D	09/04/2020 12:35
03	RC2000132-03	2.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39299.D	09/04/2020 12:57
04	RC2000132-04	5.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39300.D	09/04/2020 13:18
05	RC2000132-05	20ppb	I:\ACQUDATA\msvoa12\Data\090420\P39301.D	09/04/2020 13:40
06	RC2000132-06	100ppb	I:\ACQUDATA\msvoa12\Data\090420\P39303.D	09/04/2020 14:24
07	RC2000132-07	150ppb	I:\ACQUDATA\msvoa12\Data\090420\P39304.D	09/04/2020 14:46
08	RC2000132-08	200ppb	I:\ACQUDATA\msvoa12\Data\090420\P39305.D	09/04/2020 15:08
09	RC2000132-09	50ppb	I:\ACQUDATA\msvoa12\Data\090420\P39308.D	09/04/2020 16:13

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.978	02	1.000	0.7976	03	2.000	0.7097	04	5.000	0.7419
05	20.000	0.7617	09	50.000	0.785	06	100.000	0.7596	07	150.000	0.7403
08	200.000	0.6996									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7589	02	1.000	0.9497	03	2.000	0.7861	04	5.000	0.7703
05	20.000	0.8716	09	50.000	0.8407	06	100.000	0.8156	07	150.000	0.8024
08	200.000	0.7619									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3882	02	1.000	0.4192	03	2.000	0.3488	04	5.000	0.3887
05	20.000	0.3647	09	50.000	0.3634	06	100.000	0.3573	07	150.000	0.351
08	200.000	0.3356									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5656	05	20.000	0.4613	09	50.000	0.5318	06	100.000	0.5148
07	200.000	0.5135									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3126	05	20.000	0.2674	09	50.000	0.301	06	100.000	0.2978
07	200.000	0.2886									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3835	03	2.000	0.2871	04	5.000	0.2794	05	20.000	0.3108
09	50.000	0.311	06	100.000	0.2918	07	150.000	0.3009	08	200.000	0.2893

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood **Calibration Date:** 9/4/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000132 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.491	05	20.000	1.229	09	50.000	1.356	06	100.000	1.331
07	200.000	1.262									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4561	02	1.000	0.4036	03	2.000	0.361	04	5.000	0.3603
05	20.000	0.3795	09	50.000	0.3676	06	100.000	0.3453	07	150.000	0.356
08	200.000	0.3297									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.89	02	1.000	0.8552	03	2.000	0.7893	04	5.000	0.7578
05	20.000	0.9149	09	50.000	0.8627	06	100.000	0.8546	07	150.000	0.7869
08	200.000	0.7447									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.6199	03	2.000	0.5154	04	5.000	0.4833	05	20.000	0.5192
09	50.000	0.5168	06	100.000	0.5118	07	150.000	0.5019	08	200.000	0.4661

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4973	02	1.000	0.506	03	2.000	0.4019	04	5.000	0.3744
05	20.000	0.4342	09	50.000	0.4263	06	100.000	0.4095	07	150.000	0.4108
08	200.000	0.3879									

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood **Calibration Date:** 9/4/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000132 **Signal ID:** 1
Instrument ID: R-MS-12

		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	10.6	≤20	0.7748	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.6	≤20	0.8175	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.0	≤20	0.3685	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.3	≤20	0.5174	
Dibromofluoromethane	SURR	Average RF	% RSD	5.8	≤20	0.2935	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.8	≤20	0.3067	0.200
Toluene-d8	SURR	Average RF	% RSD	7.6	≤20	1.334	
Trichloroethene (TCE)	TRG	Average RF	% RSD	10.0	≤20	0.3732	0.200
Vinyl Chloride	TRG	Average RF	% RSD	7.3	≤20	0.8285	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	8.8	≤20	0.5168	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	10.7	≤20	0.4276	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood **Calibration Date:** 9/4/2020

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000132 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2000132-10	ICV-50	I:\ACQUDATA\msvoa12\Data\090420\P39310.D	09/04/2020 16:57

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.7	7.748E-1	7.398E-1	-4.522	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.7	8.175E-1	7.969E-1	-2.513	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	54.5	3.685E-1	4.015E-1	8.95	±30	Average RF
Tetrachloroethene (PCE)	50.0	47.8	3.067E-1	2.934E-1	-4.324	±30	Average RF
Trichloroethene (TCE)	50.0	46.4	3.732E-1	3.462E-1	-7.255	±30	Average RF
Vinyl Chloride	50.0	46.6	8.285E-1	7.725E-1	-6.761	±30	Average RF
cis-1,2-Dichloroethene	50.0	48.8	5.168E-1	5.041E-1	-2.462	±30	Average RF
trans-1,2-Dichloroethene	50.0	52.2	4.276E-1	4.464E-1	4.40	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	49.7	5.174E-1	5.145E-1	-0.551	±30	Average RF
Dibromofluoromethane	50.0	50.0	2.935E-1	2.937E-1	0.062	±30	Average RF
Toluene-d8	50.0	49.4	1.334E0	1.319E0	-1.156	±30	Average RF

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

Service Request: R2008512
Date Analyzed: 09/17/20 20:58

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa12\Data\091720\P39753.D\
Signal ID: 1

Calibration Date: 9/4/2020
Calibration ID: RC2000132
Analysis Lot: 695489
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.1	0.7748	0.7613	-1.7	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	55.8	0.8175	0.9131	11.7	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.3	0.3685	0.3707	0.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	42.6	0.3067	0.2613	-14.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	46.9	0.3732	0.3503	-6.1	NA	±20	Average RF
Vinyl Chloride	50.0	52.9	0.8285	0.8772	5.9	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	53.7	0.5168	0.5547	7.3	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	51.4	0.4276	0.4399	2.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.7	0.5174	0.5248	1.4	NA	±20	Average RF
Dibromofluoromethane	50.0	48.4	0.2935	0.284	-3.2	NA	±20	Average RF
Toluene-d8	50.0	50.8	1.3339	1.3546	1.5	NA	±20	Average RF

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

Service Request: R2008512
Date Analyzed: 09/21/20 10:40

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa12\Data\092120\P39857.D\
Signal ID: 1

Calibration Date: 9/4/2020
Calibration ID: RC2000132
Analysis Lot: 695858
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	45.9	0.7748	0.7111	-8.2	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	51.3	0.8175	0.838	2.5	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	45.7	0.3685	0.337	-8.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	41.6	0.3067	0.255	-16.9	NA	±20	Average RF
Trichloroethene (TCE)	50.0	40.7	0.3732	0.3037	-18.6	NA	±20	Average RF
Vinyl Chloride	50.0	52.8	0.8285	0.8743	5.5	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.4	0.5168	0.4998	-3.3	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	46.6	0.4276	0.3986	-6.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.9	0.5174	0.5367	3.7	NA	±20	Average RF
Dibromofluoromethane	50.0	51.6	0.2935	0.3027	3.1	NA	±20	Average RF
Toluene-d8	50.0	52.5	1.3339	1.4013	5.0	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**695489
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\091720\P39752.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	20:36:00	
I:\ACQUDATA\msvoa12\Data\091720\P39753.D\	Continuing Calibration Verification	RQ2010894-02	9/17/2020	20:58:00	
I:\ACQUDATA\msvoa12\Data\091720\P39754.D\	Lab Control Sample	RQ2010894-03	9/17/2020	21:19:00	
I:\ACQUDATA\msvoa12\Data\091720\P39755.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	21:41:00	
I:\ACQUDATA\msvoa12\Data\091720\P39757.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	22:25:00	
I:\ACQUDATA\msvoa12\Data\091720\P39758.D\	Method Blank	RQ2010894-06	9/17/2020	22:47:00	
I:\ACQUDATA\msvoa12\Data\091720\P39759.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	23:09:00	
I:\ACQUDATA\msvoa12\Data\091720\P39760.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	23:31:00	
I:\ACQUDATA\msvoa12\Data\091720\P39761.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	23:52:00	
I:\ACQUDATA\msvoa12\Data\091720\P39762.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	00:14:00	
I:\ACQUDATA\msvoa12\Data\091720\P39763.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	00:36:00	
I:\ACQUDATA\msvoa12\Data\091720\P39764.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	00:58:00	
I:\ACQUDATA\msvoa12\Data\091720\P39765.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	01:20:00	
I:\ACQUDATA\msvoa12\Data\091720\P39766.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	01:42:00	
I:\ACQUDATA\msvoa12\Data\091720\P39767.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	02:04:00	
I:\ACQUDATA\msvoa12\Data\091720\P39768.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	02:25:00	
I:\ACQUDATA\msvoa12\Data\091720\P39769.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	02:47:00	
I:\ACQUDATA\msvoa12\Data\091720\P39770.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	03:09:00	
I:\ACQUDATA\msvoa12\Data\091720\P39772.D\	MW-31 09152020	R2008512-003	9/18/2020	03:53:00	
I:\ACQUDATA\msvoa12\Data\091720\P39773.D\	MP-6D 09152020	R2008512-004	9/18/2020	04:15:00	
I:\ACQUDATA\msvoa12\Data\091720\P39774.D\	MW-32 09152020	R2008512-006	9/18/2020	04:37:00	
I:\ACQUDATA\msvoa12\Data\091720\P39775.D\	MW-35 09152020	R2008512-008	9/18/2020	04:58:00	
I:\ACQUDATA\msvoa12\Data\091720\P39776.D\	MP-3D 09152020	R2008512-009	9/18/2020	05:20:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**695489
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\091720\P39777.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	05:42:00	
I:\ACQUDATA\msvoa12\Data\091720\P39778.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	06:04:00	
I:\ACQUDATA\msvoa12\Data\091720\P39779.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	06:26:00	
I:\ACQUDATA\msvoa12\Data\091720\P39780.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	06:48:00	
I:\ACQUDATA\msvoa12\Data\091720\P39781.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	07:10:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**695858
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\092120\P39856.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	10:11:00	
I:\ACQUDATA\msvoa12\Data\092120\P39857.D\	Continuing Calibration Verification	RQ2011043-02	9/21/2020	10:40:00	
I:\ACQUDATA\msvoa12\Data\092120\P39858.D\	Lab Control Sample	RQ2011043-03	9/21/2020	11:08:00	
I:\ACQUDATA\msvoa12\Data\092120\P39861.D\	Method Blank	RQ2011043-04	9/21/2020	12:19:00	
I:\ACQUDATA\msvoa12\Data\092120\P39862.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	12:48:00	
I:\ACQUDATA\msvoa12\Data\092120\P39863.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	13:10:00	
I:\ACQUDATA\msvoa12\Data\092120\P39864.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	13:32:00	
I:\ACQUDATA\msvoa12\Data\092120\P39865.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	13:53:00	
I:\ACQUDATA\msvoa12\Data\092120\P39866.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:15:00	
I:\ACQUDATA\msvoa12\Data\092120\P39867.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:37:00	
I:\ACQUDATA\msvoa12\Data\092120\P39868.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:59:00	
I:\ACQUDATA\msvoa12\Data\092120\P39869.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	15:21:00	
I:\ACQUDATA\msvoa12\Data\092120\P39870.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	15:42:00	
I:\ACQUDATA\msvoa12\Data\092120\P39871.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:04:00	
I:\ACQUDATA\msvoa12\Data\092120\P39872.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:26:00	
I:\ACQUDATA\msvoa12\Data\092120\P39873.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:48:00	
I:\ACQUDATA\msvoa12\Data\092120\P39874.D\	TB 09152020	R2008512-001	9/21/2020	17:10:00	
I:\ACQUDATA\msvoa12\Data\092120\P39875.D\	FB 09152020	R2008512-013	9/21/2020	17:31:00	
I:\ACQUDATA\msvoa12\Data\092120\P39876.D\	MW-14 09152020	R2008512-010	9/21/2020	17:53:00	
I:\ACQUDATA\msvoa12\Data\092120\P39877.D\	MW-39 09152020	R2008512-011	9/21/2020	18:15:00	
I:\ACQUDATA\msvoa12\Data\092120\P39878.D\	MP-8D 09152020	R2008512-012	9/21/2020	18:37:00	
I:\ACQUDATA\msvoa12\Data\092120\P39879.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	18:59:00	
I:\ACQUDATA\msvoa12\Data\092120\P39880.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	19:20:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**695858
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\092120\P39881.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	19:42:00	
I:\ACQUDATA\msvoa12\Data\092120\P39882.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	20:04:00	
I:\ACQUDATA\msvoa12\Data\092120\P39883.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	20:26:00	

Analysis: 8260D Waters | Analyst: KMest | pH strips: 221419 | Tune Method: W0904820

Date: 9/21/2020 | Balance ID: N/A | ResCl strips: N/A | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 67764 | LIMS Run#: 6958858

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							P39854		
2	L							P39855		
3	JUNE		DQ2011043-01					P39856	YT	(auto) 10:11
1	CCV		02					P39857	YC	
1	LCS-FP		03					P39858	YQ	11DCE↑ +trans12DCE↑
1	BLK		—					P39859	Ⓨ	vpfc/o
2	MBLK-LMP		—					P39860	YR	
3	MBLK-FP		04					P39861	YR	
1	R2008461-018	1.0		6813	4	1	LZ	P39862	Y	
2	009	1.0				1	LZ	P39863	Y	
3	007	1.0				1	LZ	P39864	Y	
4	008	1.0				1	LZ	P39865	Y	
5	010	1.0				1	LZ	P39866	Y	
6	011	1.0				1	LZ	P39867	Y	
7	012	1.0				1	LZ	P39868	Y	
8	013	1.0				1	LZ	P39869	Y	
9	014	1.0				1	LZ	P39870	Y	
10	015	1.0				1	LZ	P39871	Y	
11	016	1.0				1	LZ	P39872	Y	
12	017	1.0				1	LZ	P39873	Y	
13	R2008512-001	1.0		6646	4	1	LZ	P39874	Y	
14	(RE) 013 ~~010~~	1.0				1	LZ	P39875	Y	
15	010	1.0				1	LZ	P39876	Y	
16	011	1.0				1	LZ	P39877	Y	
17	012	1.0				1	LZ	P39878	Y	
18	R2008511-010	10	5750mls			2	LZ	P39879	Ⓨ	(DL) cis12DCE
19	R2008416-018	25	2/50mls	6813	4	2	LZ	P39880	Ⓨ	(DL) mek
20	019	200	1/200mls			2	LZ	P39881	Ⓨ	↓ ↓
21	R2008461-017	1.0	ms	6813	4	2	LZ	P39882	YQ	RunQC
22	017	1.0	msD			3	LZ	P39883	YQ	↓ 20:26✓
23	BLK					—	—	P39884	—	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr

Surrogate 50 : 2124175

Internal Std 50 : 2124176

Reagents:

50D Primary acct : 211502

Primary fr+ : 2122880 | 5ml → 50mls

Primary TO : 2125581 | =CCV

Primary HSL : 2125582

Primary

200 Secondary fr+ : 211981 - 5ml

50D Secondary acct : 211504

Secondary HSL : 2126000 | 2ml

Secondary TO : 2127050

Secondary

50mls =LCS

-10.6mL

4.2mL ✓

4.2mL vial =MS/D

Analysis: 8260 Waters | Analyst: K. Quest | pH strips: 221419 | Tune Method: W0910120

Date: 9/17/2020 Run#2 | Balance ID: N/A | ResCl strips: N/A | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 177417 | LIMS Run#: 695489

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
24	TUNE		RQ2010894.01					P39752	Y	(amb)
25	CCV		02					P39753	Y	
26	LCS.FP		03					P39754	Y	
27	LCS.UNP		04					P39755	Y	11 DCE ↑
28	BLK		—					P39756	(N)	note/b
29	MBLK.UNP		05					P39757	Y	
30	MBLK.FP		06					P39758	Y	
31	R2008511.001	1.0		6646	4	1	12	P39759	Y	
32	009	1.0				1	12	P39760	Y	
33	003	1.0				1	12	P39761	Y	
34	004	1.0				1	12	P39762	Y	
35	005	1.0				1	12	P39763	Y	
36	007	1.0				1	12	P39764	Y	
37	008	1.0				1	12	P39765	Y	
38	011	1.0				1	12	P39766	Y	
39	006	1.0	(7mL)			1	(7)	P39767	Y	(purple)
40	012	1.0	↓			1	(7)	P39768	Y	↓
41	010	5.0	10/50mL			1	12	P39769	(Y)	not 10 dis/12DCE
42	002	10	5/50mL (7mL)	↓	↓	1	—	P39770	Y	~~Foam~~ dil for dark purple matrix (KD)
43	BLK					—	—	P39771	—	
44	R2008512.003	1.0		6646	4	1	12	P39772	Y	
45	004	1.0				1	12	P39773	Y	
46	006	1.0				1	12	P39774	Y	
47	008	1.0				1	12	P39775	Y	
48	009	1.0				1	12	P39776	Y	
49	007	1.0	(7mL)	↓		1	(7)	P39777	Y	
50	002	10	5/50mL	7979		1	—	P39778	Y	dil for dark purple matrix
51	005	10	↓	↓	↓	1	—	P39779	Y	↓
52	R2008511.005	1.0	MS	6646	4	2	12	P39780	Y	
53	↓ 005	1.0	MSD	↓	↓	3	12	P39781	Y	7:10
54	BLK					—	—	P39782	—	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr: ____

500 Primary Oct: 211502

Primary Fr: 212280

Primary T6: 212278

Primary HSL: 212279

Primary: ____

5mL + 50mL = CCV

200 Secondary Fr: 211481.5uL

500 Secondary Oct: 211504

Secondary T6: 212050

Secondary HSL: 212140

Secondary: ____

2mL

50mL = LCS

-10.6mL

4.2mL ✓

42mL vial = MS/D

Surrogate 50: 212475

Internal Std 50: 212476

Reagents: ____

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 09:05
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-11 09152020	**Units:**	ug/L
Lab Code:	R2008512-002	**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	09/18/20 06:04	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/18/20 06:04	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/18/20 06:04	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/18/20 06:04	
Trichloroethene (TCE)	10 U	10	2.0	10	09/18/20 06:04	
Vinyl Chloride	10 U	10	2.0	10	09/18/20 06:04	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/18/20 06:04	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/18/20 06:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/18/20 06:04	
Dibromofluoromethane	92	89 - 119	09/18/20 06:04	
Toluene-d8	98	87 - 121	09/18/20 06:04	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 10:50
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-12 09152020	**Units:**	ug/L
Lab Code:	R2008512-005	**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	09/18/20 06:26	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/18/20 06:26	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/18/20 06:26	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/18/20 06:26	
Trichloroethene (TCE)	10 U	10	2.0	10	09/18/20 06:26	
Vinyl Chloride	10 U	10	2.0	10	09/18/20 06:26	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/18/20 06:26	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/18/20 06:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/18/20 06:26	
Dibromofluoromethane	93	89 - 119	09/18/20 06:26	
Toluene-d8	99	87 - 121	09/18/20 06:26	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008512
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/15/20 12:45
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MP-13 09152020	**Units:**	ug/L
Lab Code:	R2008512-007	**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	09/18/20 05:42	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 05:42	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 05:42	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 05:42	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 05:42	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 05:42	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 05:42	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 05:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	09/18/20 05:42	
Dibromofluoromethane	90	89 - 119	09/18/20 05:42	
Toluene-d8	97	87 - 121	09/18/20 05:42	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39778.D
Acq On : 18 Sep 2020 6:04 am
Operator : K.Ruest
Sample : R2008512-002|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 50 Sample Multiplier: 1

diluted for matrix

Quant Time: Sep 22 14:40:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

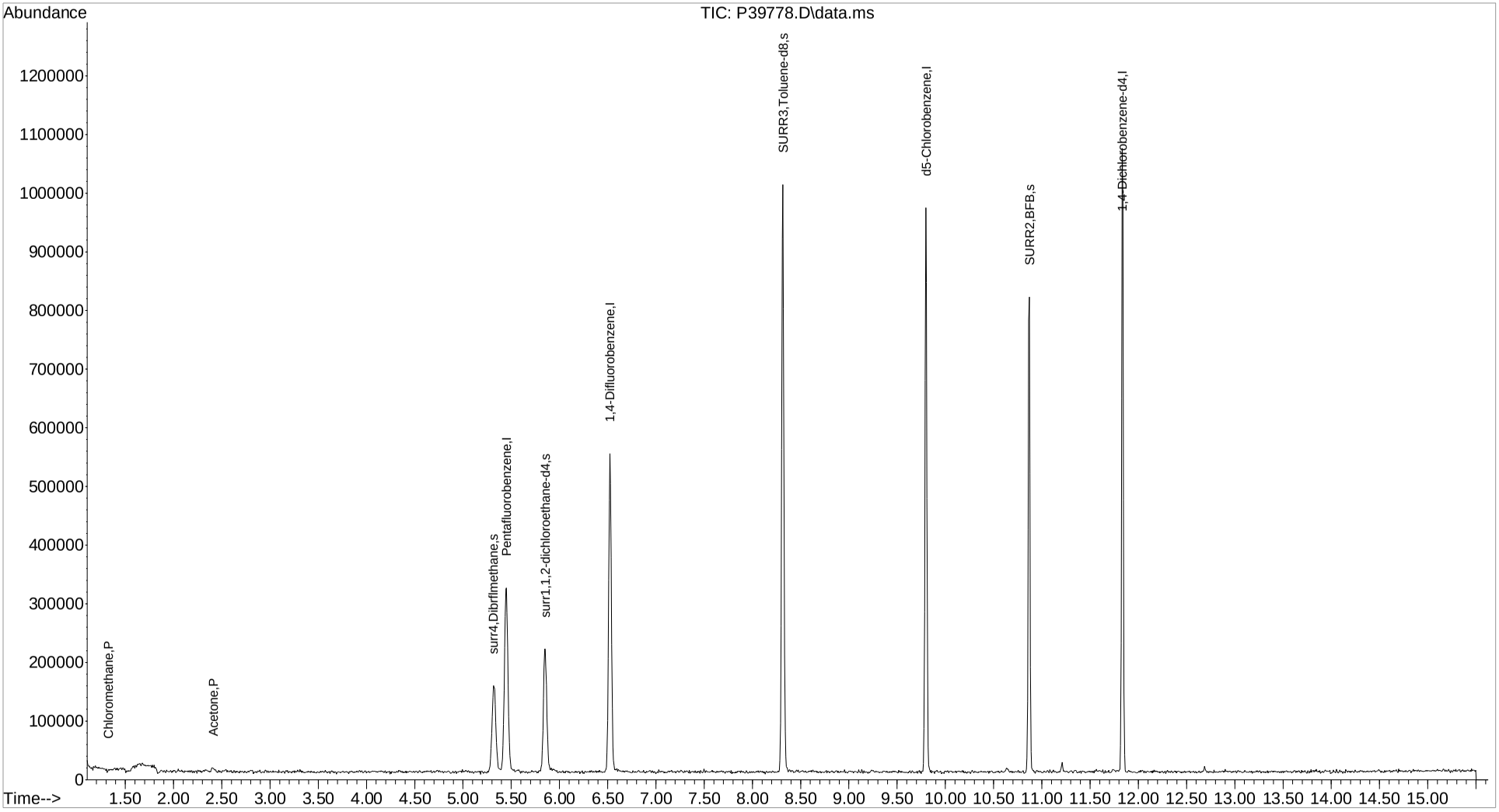
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	269869	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	465902	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	408135	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	198713	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	125194	45.78	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 91.56%			
48) surr1,1,2-dichloroetha...	5.853	65	187315	51.31	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.62%			
65) SURR3,Toluene-d8	8.316	98	609563	49.04	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.08%			
70) SURR2,BFB	10.870	95	221330	45.91	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.82%			
Target Compounds						Qvalue
3) Chloromethane	1.323	50	847	0.23	ppb	81
15) Acetone	2.408	43	10702	8.24	ppb	92

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

Quantitation Report (QT Reviewed)

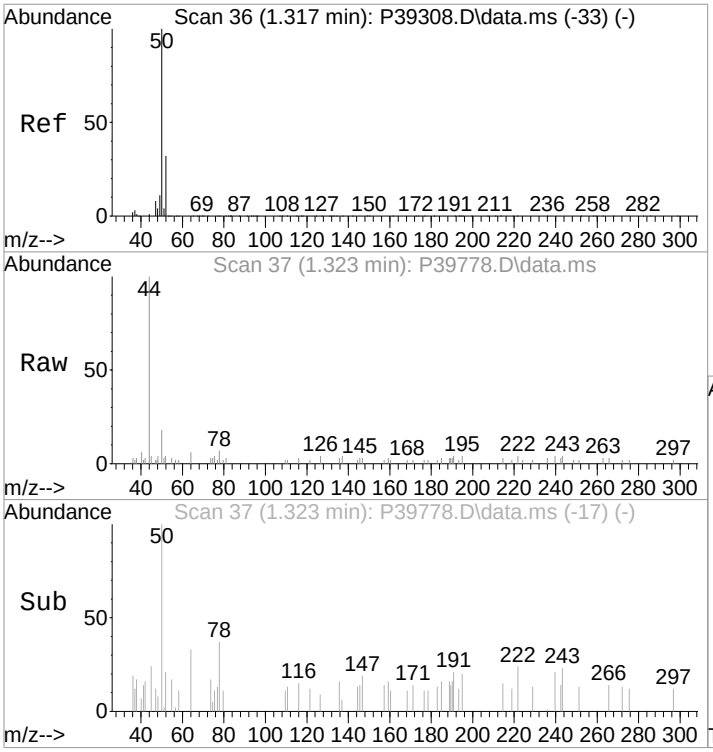
Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39778.D
Acq On : 18 Sep 2020 6:04 am
Operator : K.Ruest
Sample : R2008512-002|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 22 14:40:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



1st 09/22/20
2nd 09/22/20

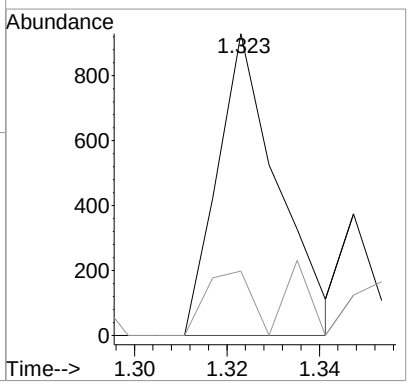
1st 09/22/20
2nd 09/22/20

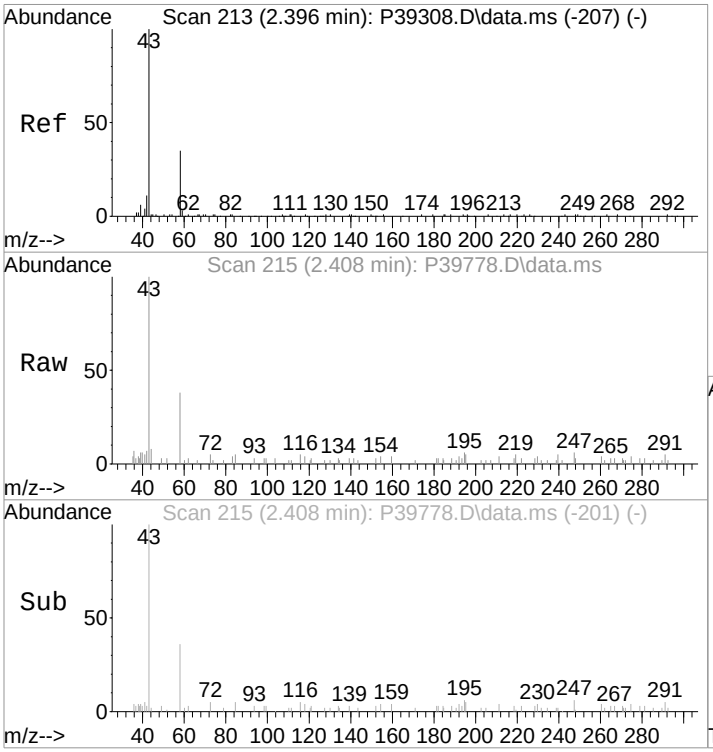


#3
Chloromethane
Concen: 0.23 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39778.D
Acq: 18 Sep 2020 6:04 am

Tgt Ion: 50 Resp: 847

Ion	Ratio	Lower	Upper
50	100		
52	21.3	12.1	52.1

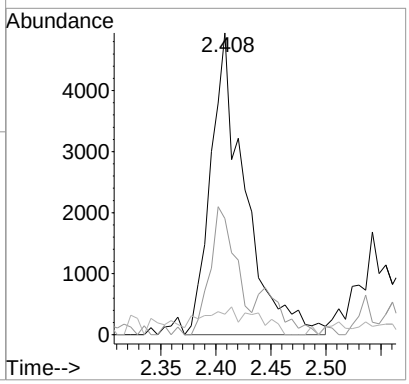




#15
Acetone
Concen: 8.24 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.012 min
Lab File: P39778.D
Acq: 18 Sep 2020 6:04 am

Tgt Ion: 43 Resp: 10702

Ion	Ratio	Lower	Upper
43	100		
58	38.5	14.8	54.8
42	6.8	0.0	31.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39779.D
Acq On : 18 Sep 2020 6:26 am
Operator : K.Ruest
Sample : R2008512-005|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 51 Sample Multiplier: 1

diluted for matrix

Quant Time: Sep 22 14:41:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

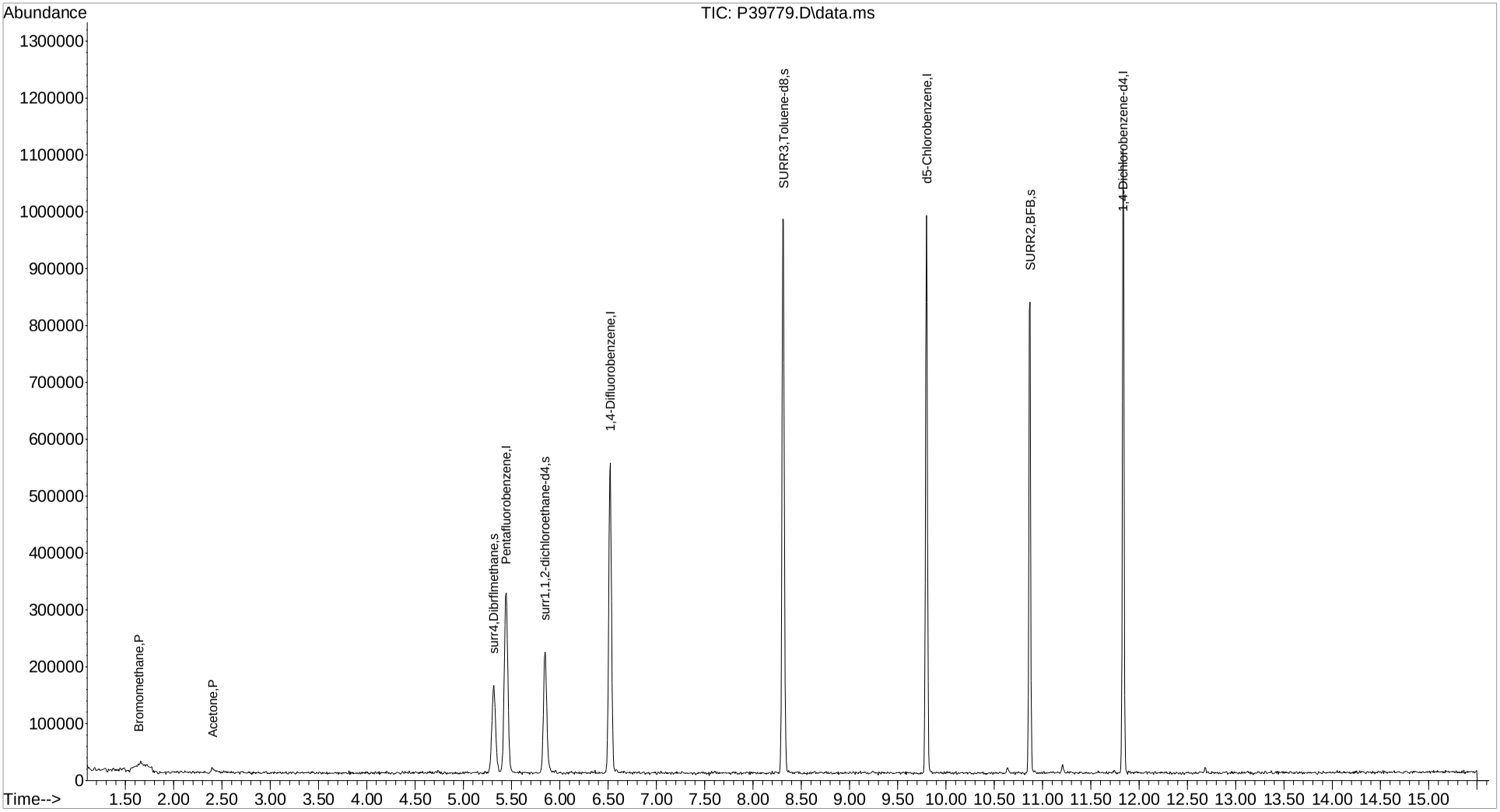
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.438	168	277763	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	469115	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	422343	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	206833	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	128705	46.74	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.48%			
48) surr1,1,2-dichloroetha...	5.846	65	188171	51.19	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.38%			
65) SURR3,Toluene-d8	8.315	98	621459	49.66	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.32%			
70) SURR2,BFB	10.870	95	224209	46.19	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.38%			
Target Compounds						Qvalue
5) Bromomethane	1.634	94	1941	0.21	ppb	97
15) Acetone	2.402	43	14303	10.70	ppb	90

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

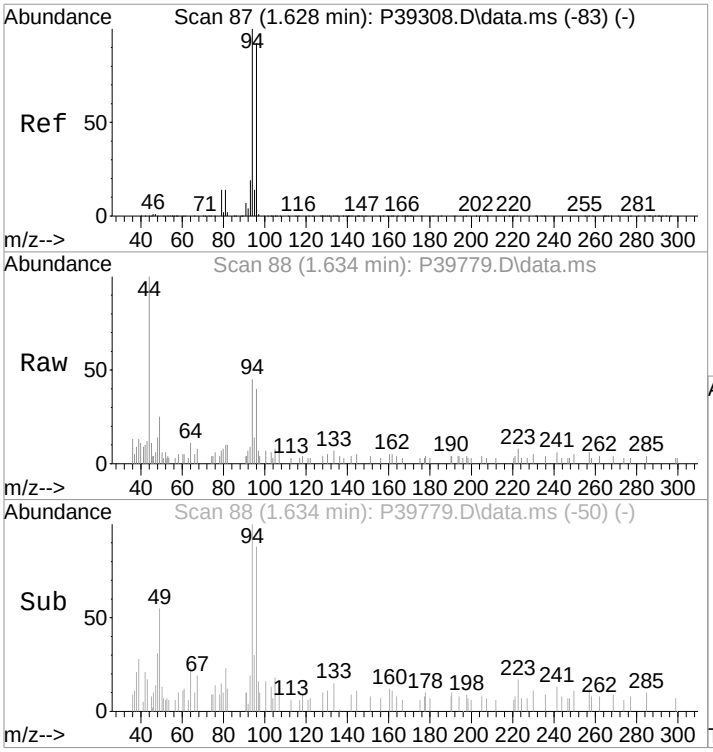
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39779.D
Acq On : 18 Sep 2020 6:26 am
Operator : K.Ruest
Sample : R2008512-005|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 22 14:41:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



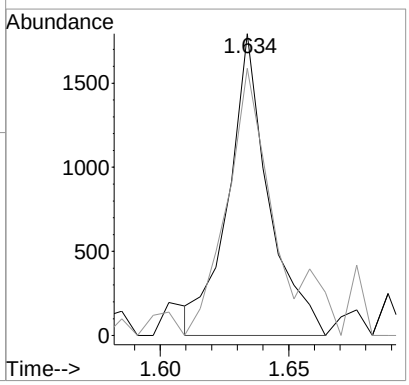
1st 09/22/20
2nd 09/22/20

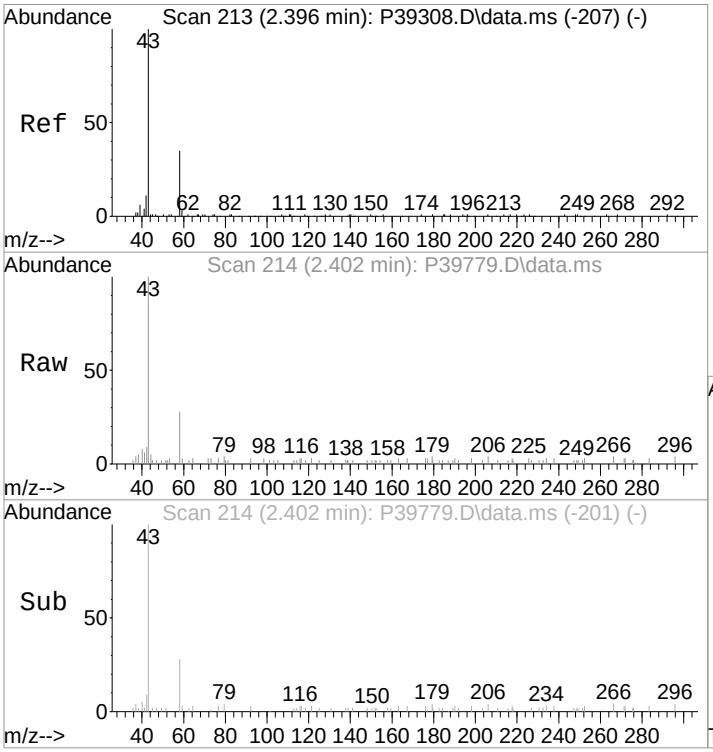


#5
Bromomethane
Concen: 0.21 ppb
RT: 1.634 min Scan# 88
Delta R.T. 0.007 min
Lab File: P39779.D
Acq: 18 Sep 2020 6:26 am

Tgt Ion: 94 Resp: 1941

Ion	Ratio	Lower	Upper
94	100		
96	88.5	71.6	111.6

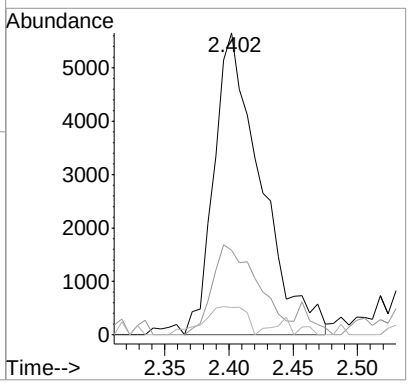




#15
Acetone
Concen: 10.70 ppb
RT: 2.402 min Scan# 214
Delta R.T. 0.006 min
Lab File: P39779.D
Acq: 18 Sep 2020 6:26 am

Tgt Ion: 43 Resp: 14303

Ion	Ratio	Lower	Upper
43	100		
58	27.9	14.8	54.8
42	9.0	0.0	31.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39777.D
Acq On : 18 Sep 2020 5:42 am
Operator : K.Ruest
Sample : R2008512-007|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 22 14:38:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

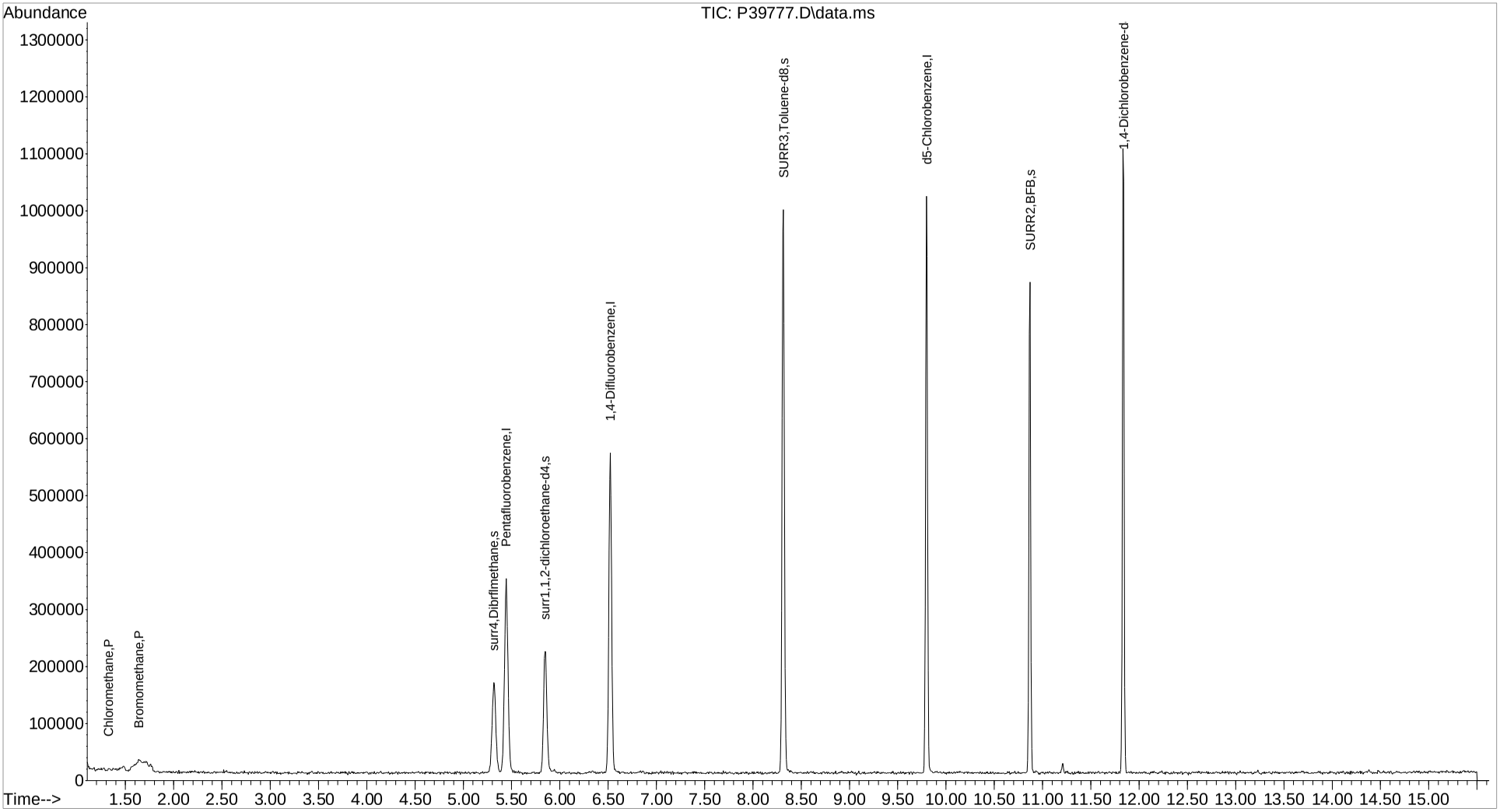
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	287969	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	488273	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	435739	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	210656	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	128268	44.75	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 89.50%				
48) surr1,1,2-dichloroetha...	5.846	65	190685	49.84	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.68%				
65) SURR3,Toluene-d8	8.315	98	633143	48.60	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.20%				
70) SURR2,BFB	10.870	95	230510	45.62	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.24%				
Target Compounds							Qvalue
3) Chloromethane	1.323	50	1276	0.32	ppb		79
5) Bromomethane	1.634	94	2002	0.21	ppb	#	77

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

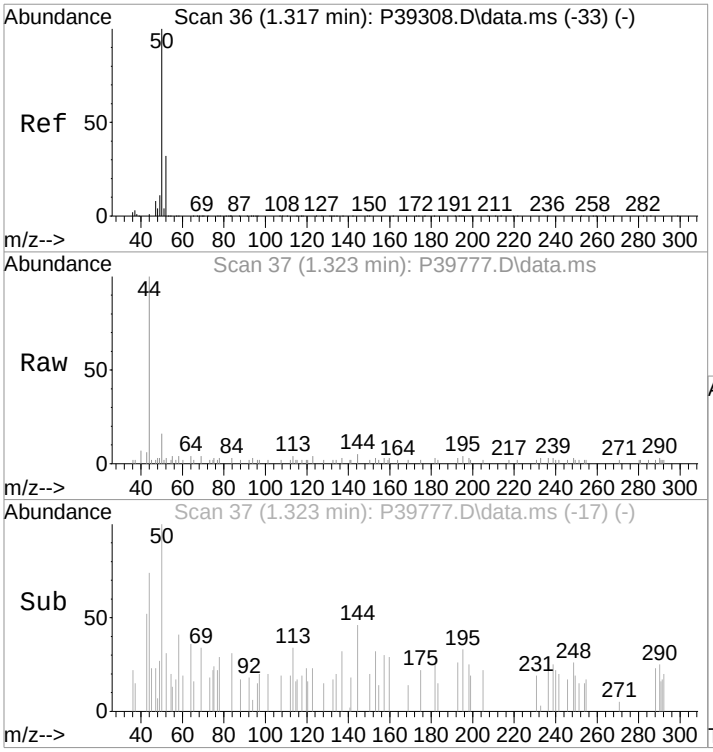
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39777.D
Acq On : 18 Sep 2020 5:42 am
Operator : K.Ruest
Sample : R2008512-007|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 22 14:38:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



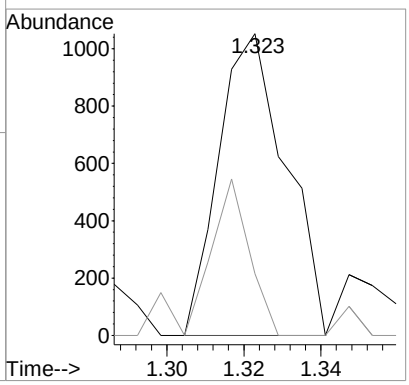
1st 09/22/20
2nd 09/22/20

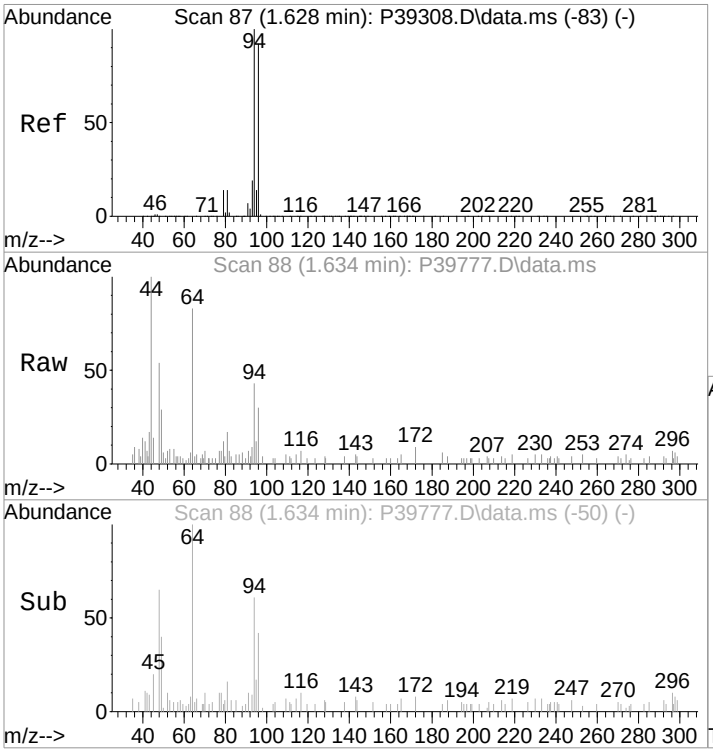


#3
Chloromethane
Concen: 0.32 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39777.D
Acq: 18 Sep 2020 5:42 am

Tgt Ion: 50 Resp: 1276

Ion	Ratio	Lower	Upper
50	100		
52	20.4	12.1	52.1

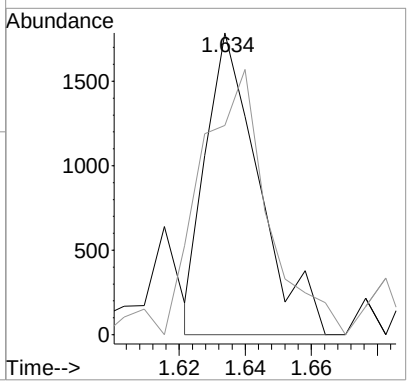




#5
Bromomethane
Concen: 0.21 ppb
RT: 1.634 min Scan# 88
Delta R.T. 0.007 min
Lab File: P39777.D
Acq: 18 Sep 2020 5:42 am

Tgt Ion: 94 Resp: 2002

Ion	Ratio	Lower	Upper
94	100		
96	69.3	71.6	111.6#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39757.D
Acq On : 17 Sep 2020 10:25 pm
Operator : K.Ruest
Sample : MBLK-UNP Inst : MSVOA-12
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 10:15:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

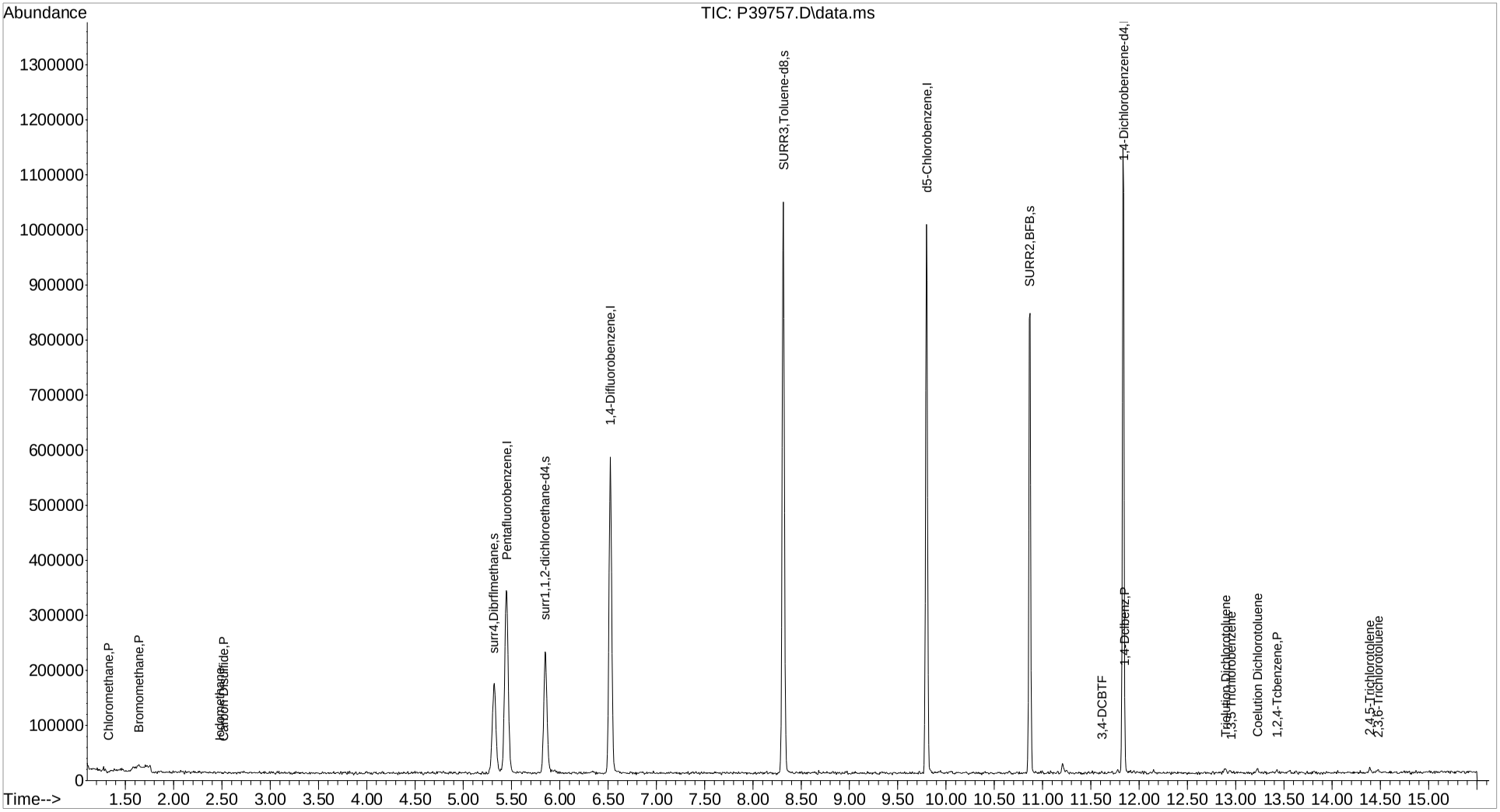
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	289069	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	488954	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	438039	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	214738	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	133330	46.45	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.90%				
48) surr1,1,2-dichloroetha...	5.847	65	191517	49.98	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.96%				
65) SURR3,Toluene-d8	8.316	98	642177	49.23	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.46%				
70) SURR2,BFB	10.864	95	235052	46.46	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.92%				
Target Compounds							Qvalue
3) Chloromethane	1.323	50	1190	0.30	ppb		82
5) Bromomethane	1.640	94	2015	0.21	ppb		95
17) Iodomethane	2.475	142	994	2.42	ppb		68
18) Carbon Disulfide	2.518	76	1483	0.20	ppb	#	61
39) Tetrahydrofuran	4.999	42	872	Below Cal			75
102) 3,4-DCBTF	11.614	214	794	0.22	ppb	#	48
106) 1,4-Dclbenz	11.852	146	1638	0.22	ppb	#	49
112) Trielution Dichlorotol...	12.894	125	3798	0.57	ppb	#	89
113) 1,3,5 Trichlorobenzene	12.949	180	1261	0.23	ppb	#	55
114) Coelution Dichlorotoluene	13.223	125	2317	0.32	ppb	#	84
115) 1,2,4-Tcbenzene	13.431	180	1120	0.20	ppb	#	74
119) 2,4,5-Trichlorotolene	14.388	159	1362	0.33	ppb	#	86
120) 2,3,6-Trichlorotoluene	14.479	159	1419	0.39	ppb	#	82

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

Quantitation Report (QT Reviewed)

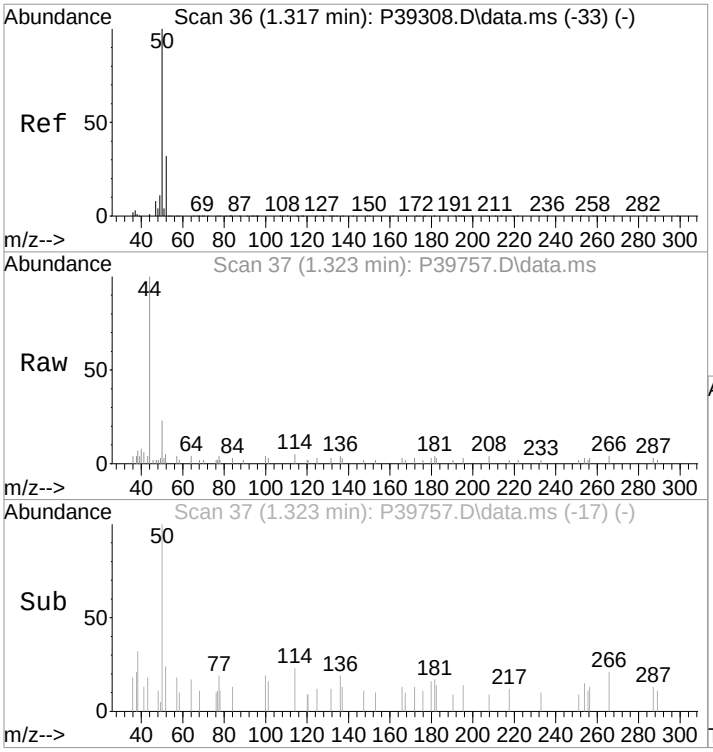
Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39757.D
Acq On : 17 Sep 2020 10:25 pm
Operator : K.Ruest
Sample : MBLK-UNP Inst : MSVOA-12
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 10:15:08 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



1st 09/18/20
2nd 09/22/20

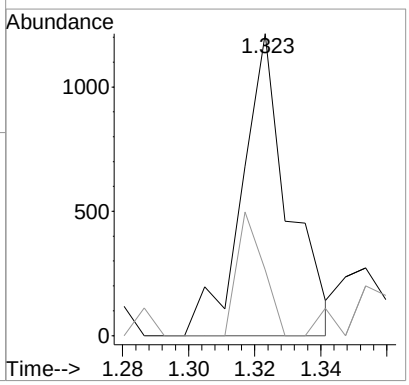
1st 09/18/20
2nd 09/22/20

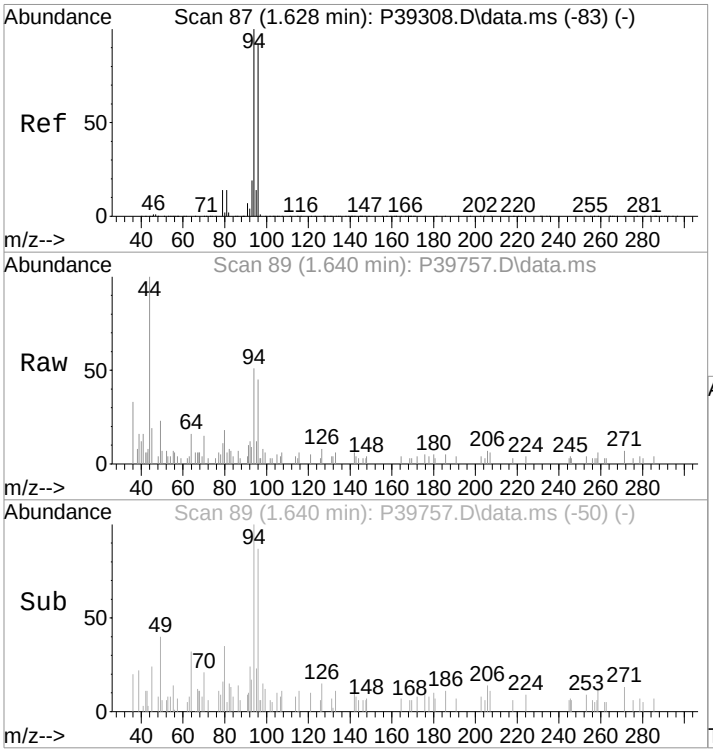


#3
Chloromethane
Concen: 0.30 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion: 50 Resp: 1190

Ion	Ratio	Lower	Upper
50	100		
52	21.8	12.1	52.1

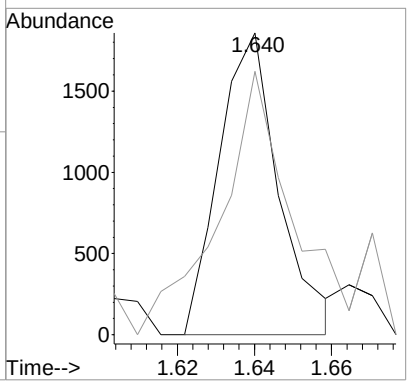


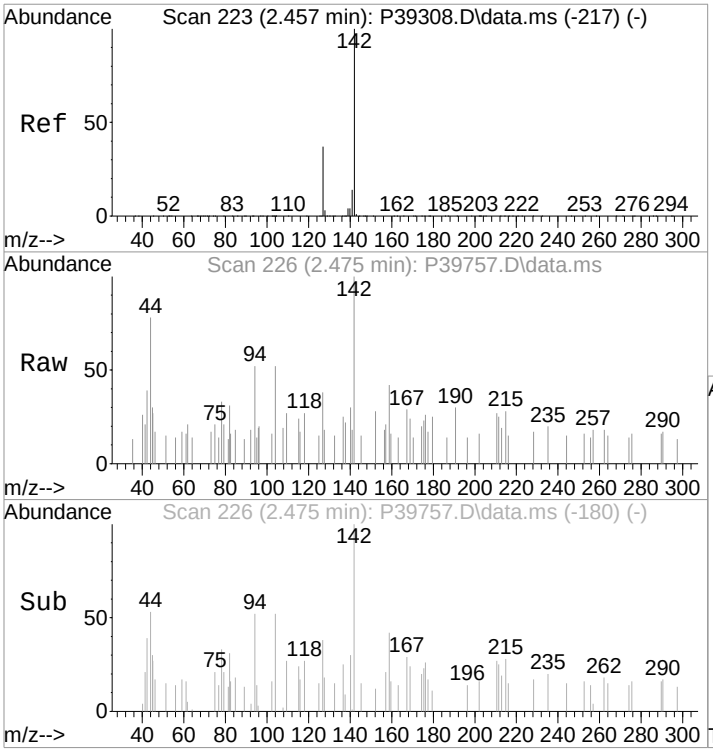


#5
Bromomethane
Concen: 0.21 ppb
RT: 1.640 min Scan# 89
Delta R.T. 0.013 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion: 94 Resp: 2015

Ion	Ratio	Lower	Upper
94	100		
96	87.3	71.6	111.6

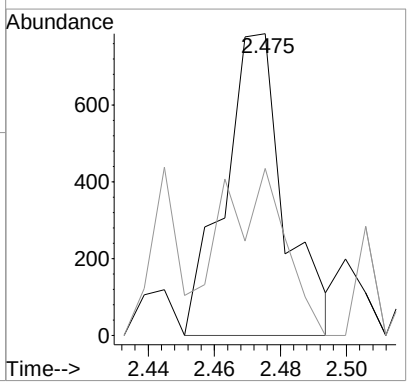


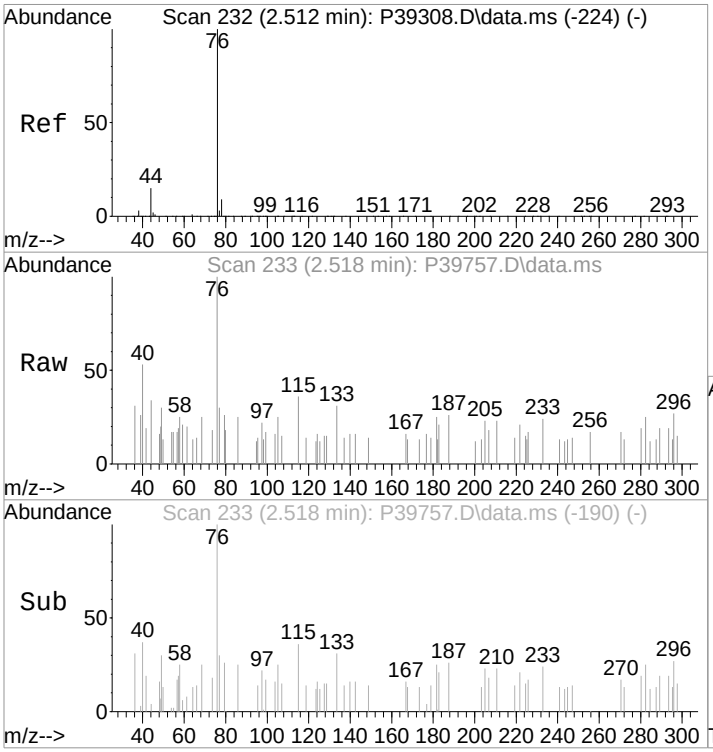


#17
Iodomethane
Concen: 2.42 ppb
RT: 2.475 min Scan# 226
Delta R.T. 0.019 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:142 Resp: 994

Ion	Ratio	Lower	Upper
142	100		
127	55.3	16.6	56.6

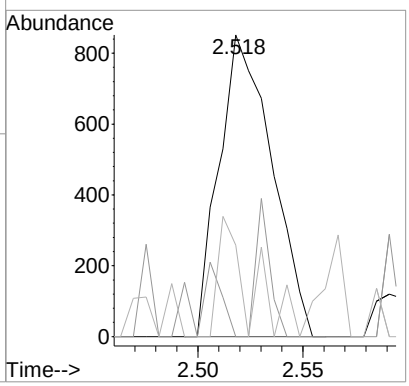


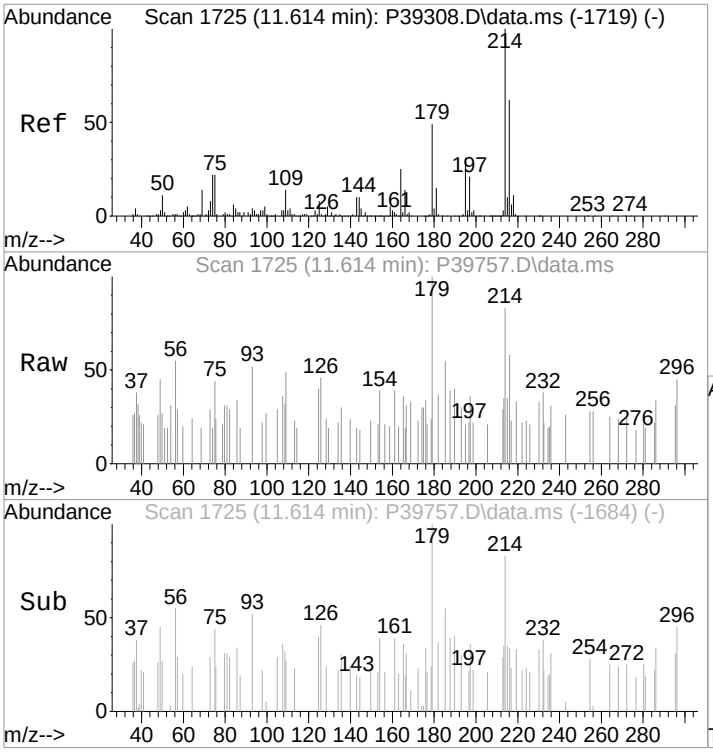


#18
Carbon Disulfide
Concen: 0.20 ppb
RT: 2.518 min Scan# 233
Delta R.T. 0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion: 76 Resp: 1483

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	29.1
77	30.3	0.0	22.8#

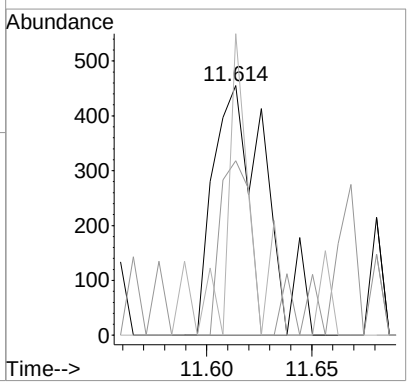


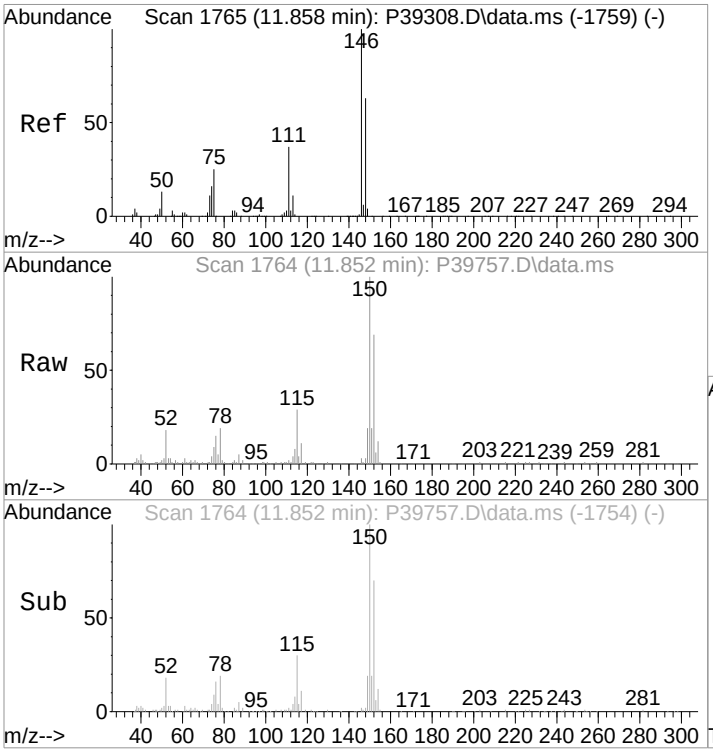


#102
3,4-DCBTF
Concen: 0.22 ppb
RT: 11.614 min Scan# 1725
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:214 Resp: 794

Ion	Ratio	Lower	Upper
214	100		
216	69.9	49.8	74.6
179	120.9	38.9	58.3#

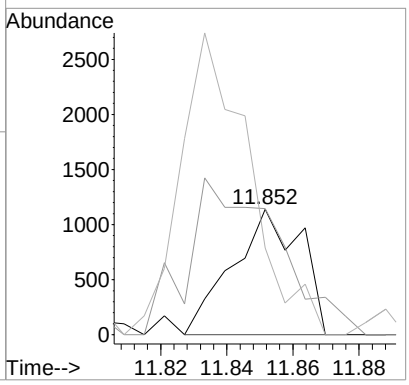


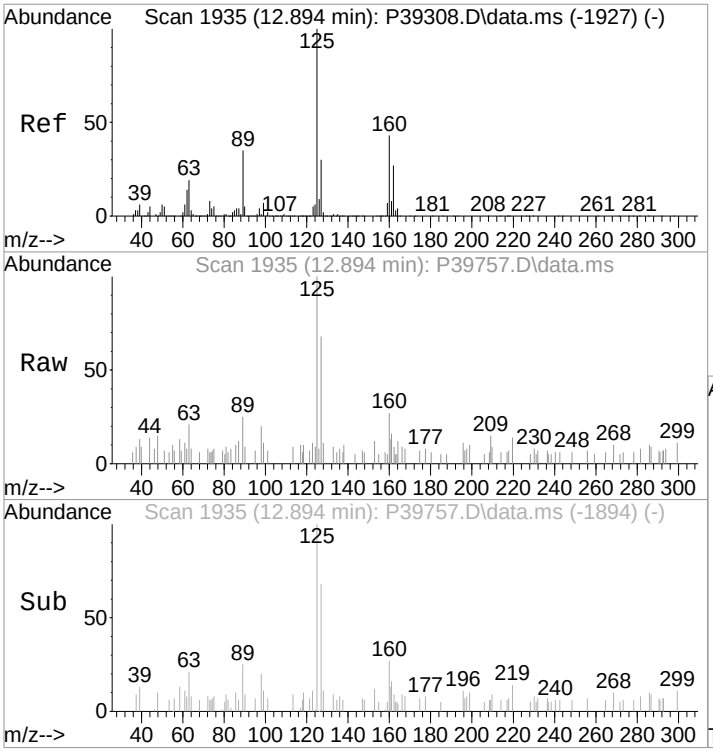


#106
1,4-Dclbenz
Concen: 0.22 ppb
RT: 11.852 min Scan# 1764
Delta R.T. -0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:146 Resp: 1638

Ion	Ratio	Lower	Upper
146	100		
148	100.5	42.8	82.8#
111	69.2	17.1	57.1#

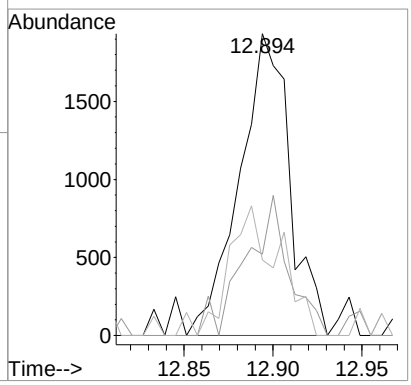


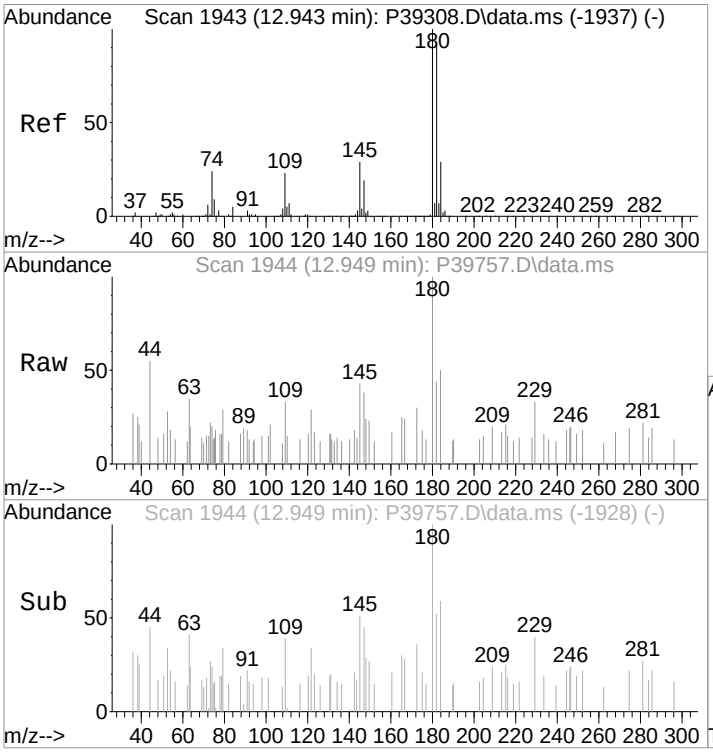


#112
Trielution Dichlorotoluene
Concen: 0.57 ppb
RT: 12.894 min Scan# 1935
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:125 Resp: 3798

Ion	Ratio	Lower	Upper
125	100		
160	39.5	34.2	51.2
89	25.1	28.1	42.1#

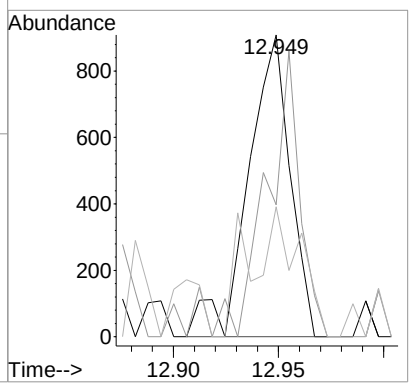


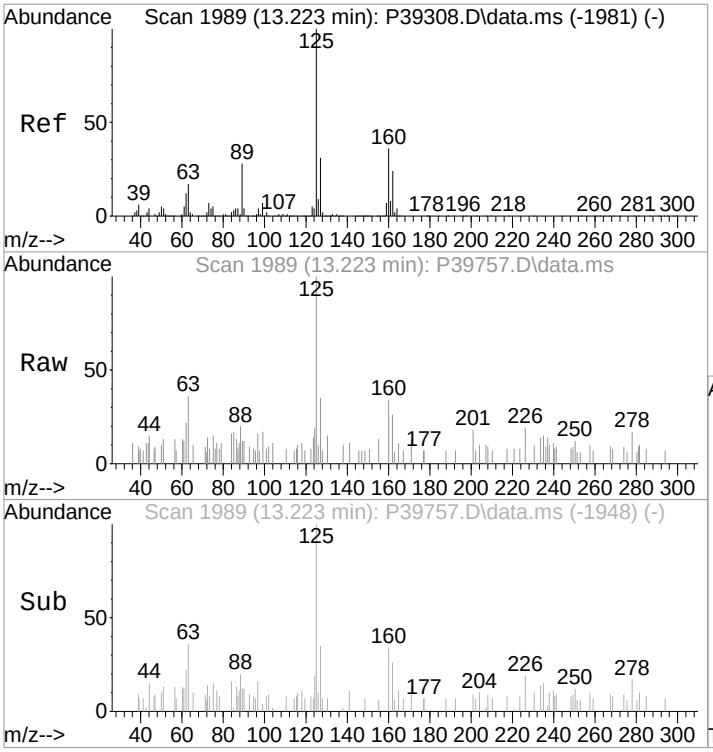


#113
1,3,5 Trichlorobenzene
Concen: 0.23 ppb
RT: 12.949 min Scan# 1944
Delta R.T. 0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:180 Resp: 1261

Ion	Ratio	Lower	Upper
180	100		
182	43.7	73.4	110.2#
145	43.0	22.9	34.3#

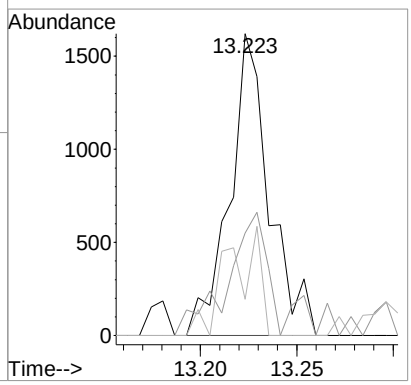


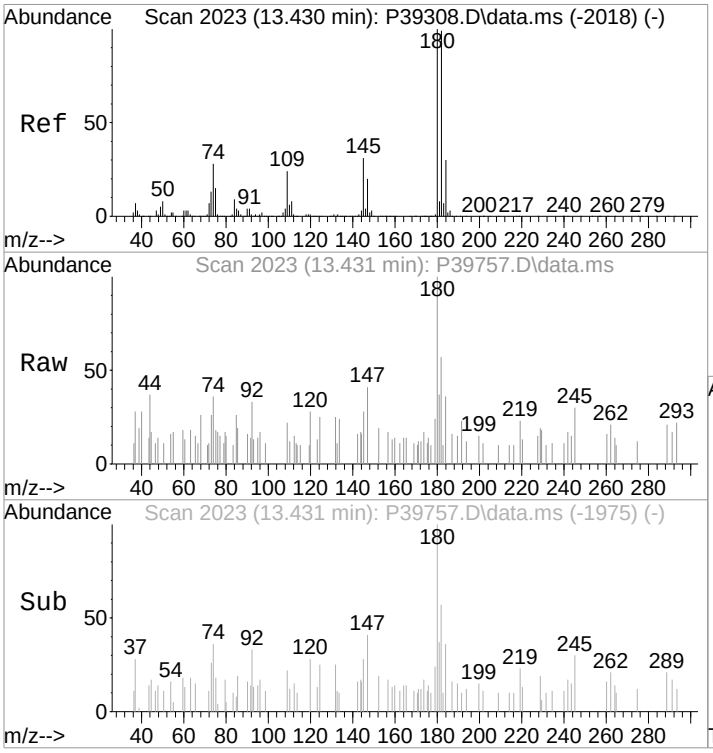


#114
Coelution Dichlorotoluene
Concen: 0.32 ppb
RT: 13.223 min Scan# 1989
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:125 Resp: 2317

Ion	Ratio	Lower	Upper
125	100		
160	34.0	29.1	43.7
89	12.0	22.6	34.0#

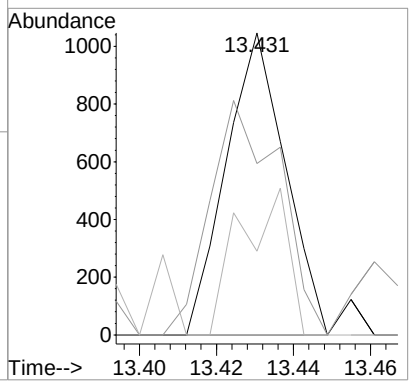


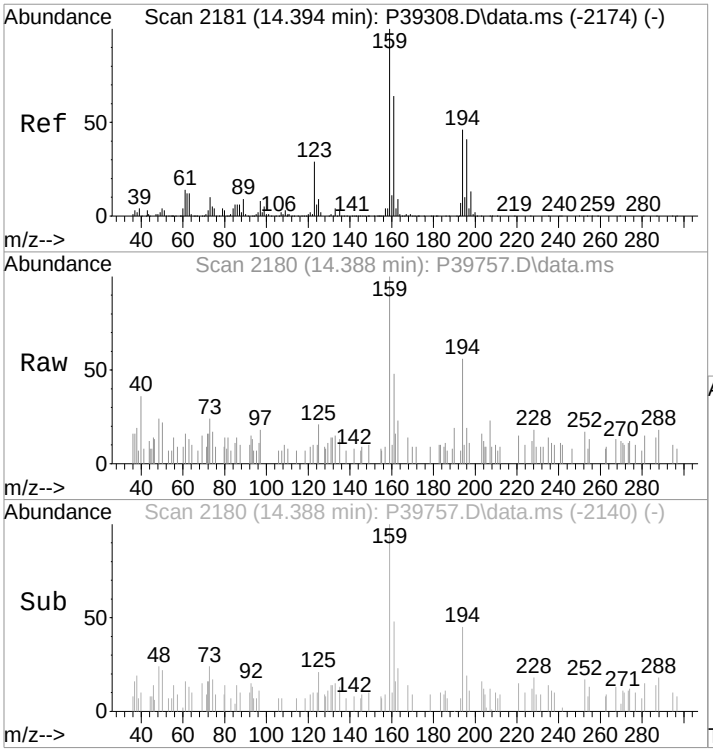


#115
1,2,4-Tcbenzene
Concen: 0.20 ppb
RT: 13.431 min Scan# 2023
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:180 Resp: 1120

Ion	Ratio	Lower	Upper
180	100		
182	66.9	78.6	118.6#
145	27.7	11.2	51.2

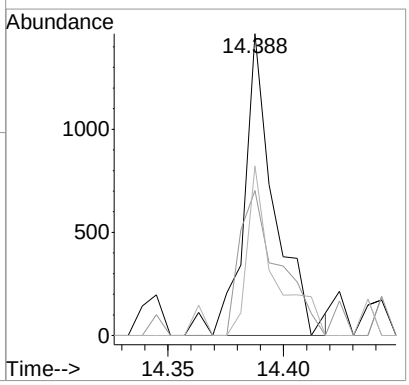


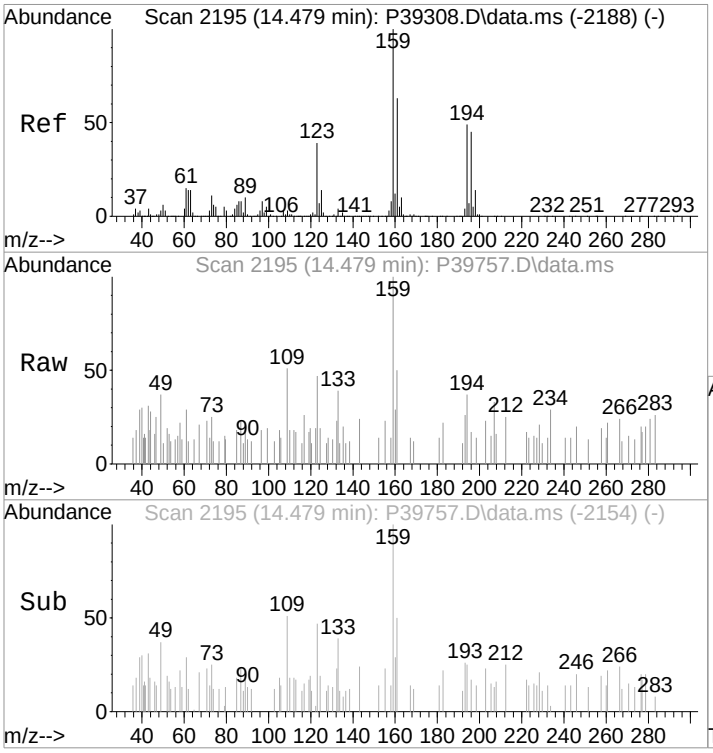


#119
2,4,5-Trichlorotolene
Concen: 0.33 ppb
RT: 14.388 min Scan# 2180
Delta R.T. -0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:159 Resp: 1362

Ion	Ratio	Lower	Upper
159	100		
161	63.6	51.5	77.3
194	66.6	36.6	55.0#

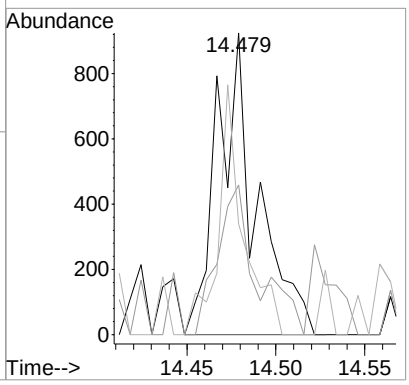




#120
2,3,6-Trichlorotoluene
Concen: 0.39 ppb
RT: 14.479 min Scan# 2195
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:159 Resp: 1419

Ion	Ratio	Lower	Upper
159	100		
161	49.6	50.6	75.8#
194	36.6	39.4	59.2#

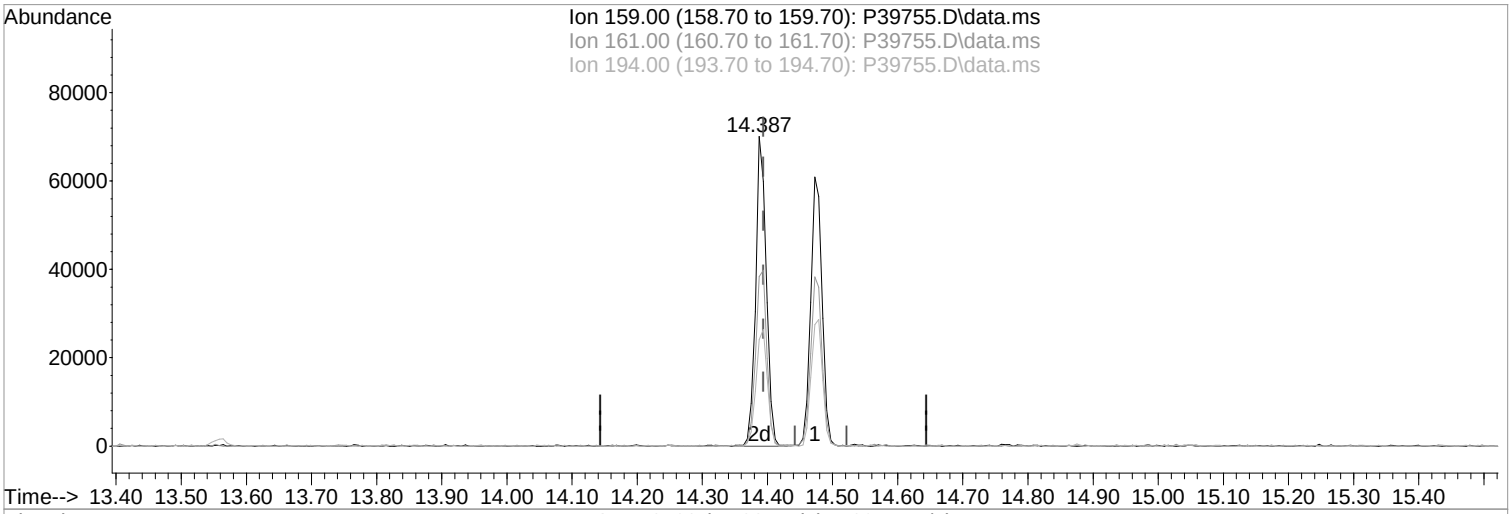


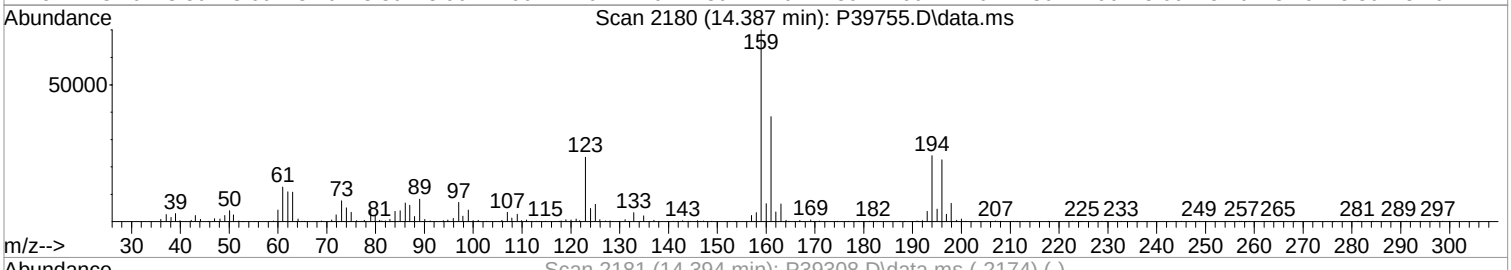
1st 09/18/20
2nd 09/22/20

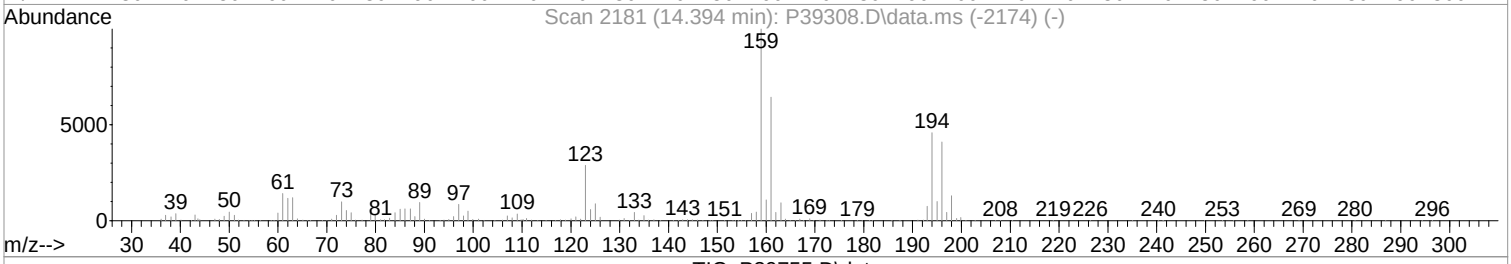
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(119) 2,4,5-Trichlorotolene

14.387min (-0.006) 17.50 ppb m

response 79326

Ion	Exp%	Act%
159.00	100	100
161.00	64.40	54.74
194.00	45.80	34.37#
0.00	0.00	0.00

Manual Integration:

After

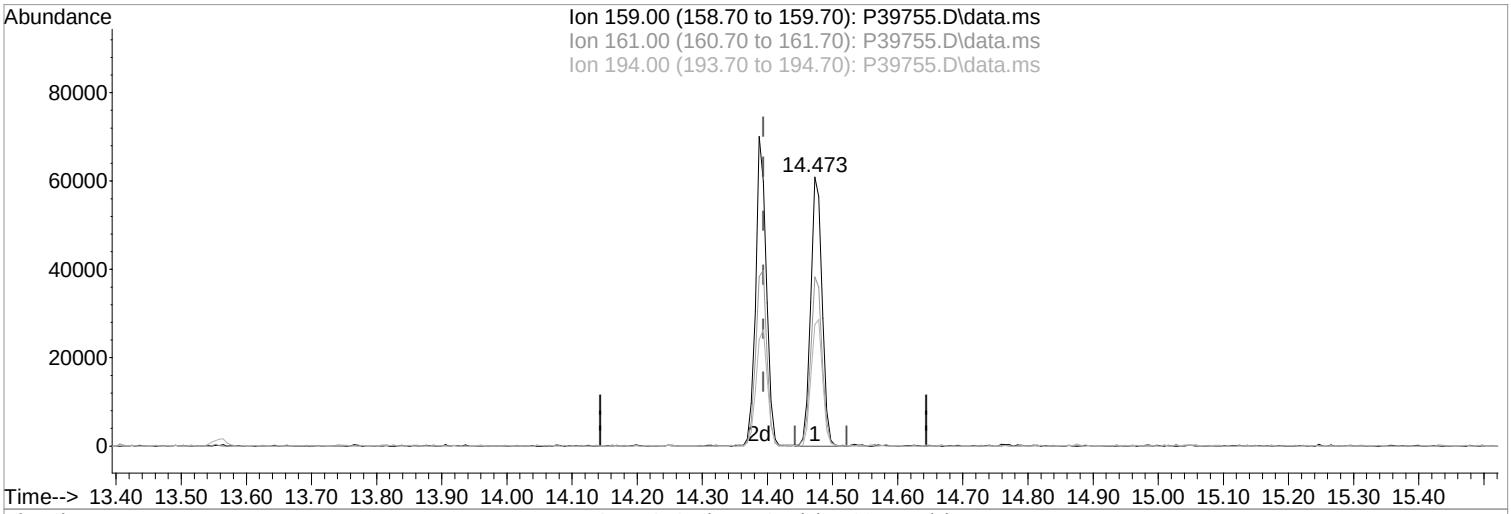
Wrong peak selected.

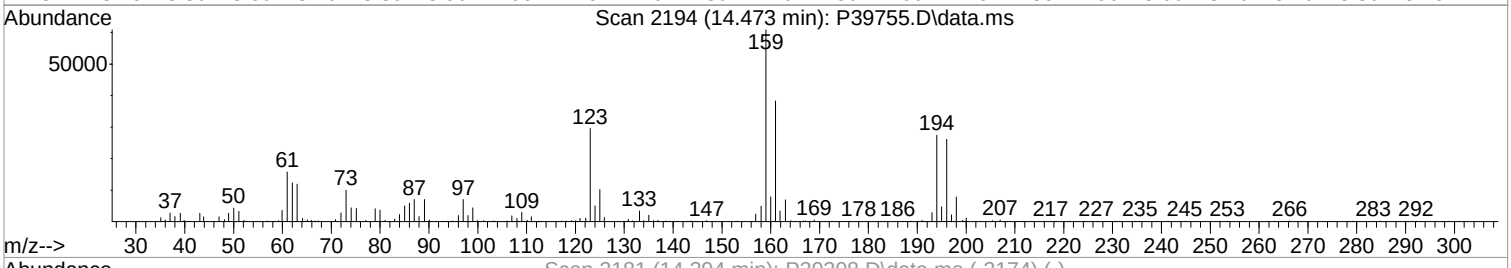
09/18/20

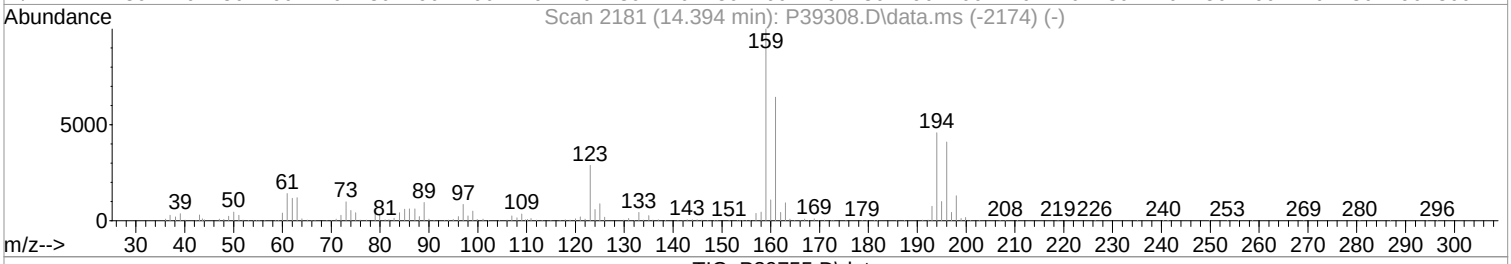
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(119) 2,4,5-Trichlorotolene

14.473min (+0.079) 16.21 ppb

response 73441

Ion	Exp%	Act%
159.00	100	100
161.00	64.40	62.88
194.00	45.80	45.09
0.00	0.00	0.00

Manual Integration:

Before

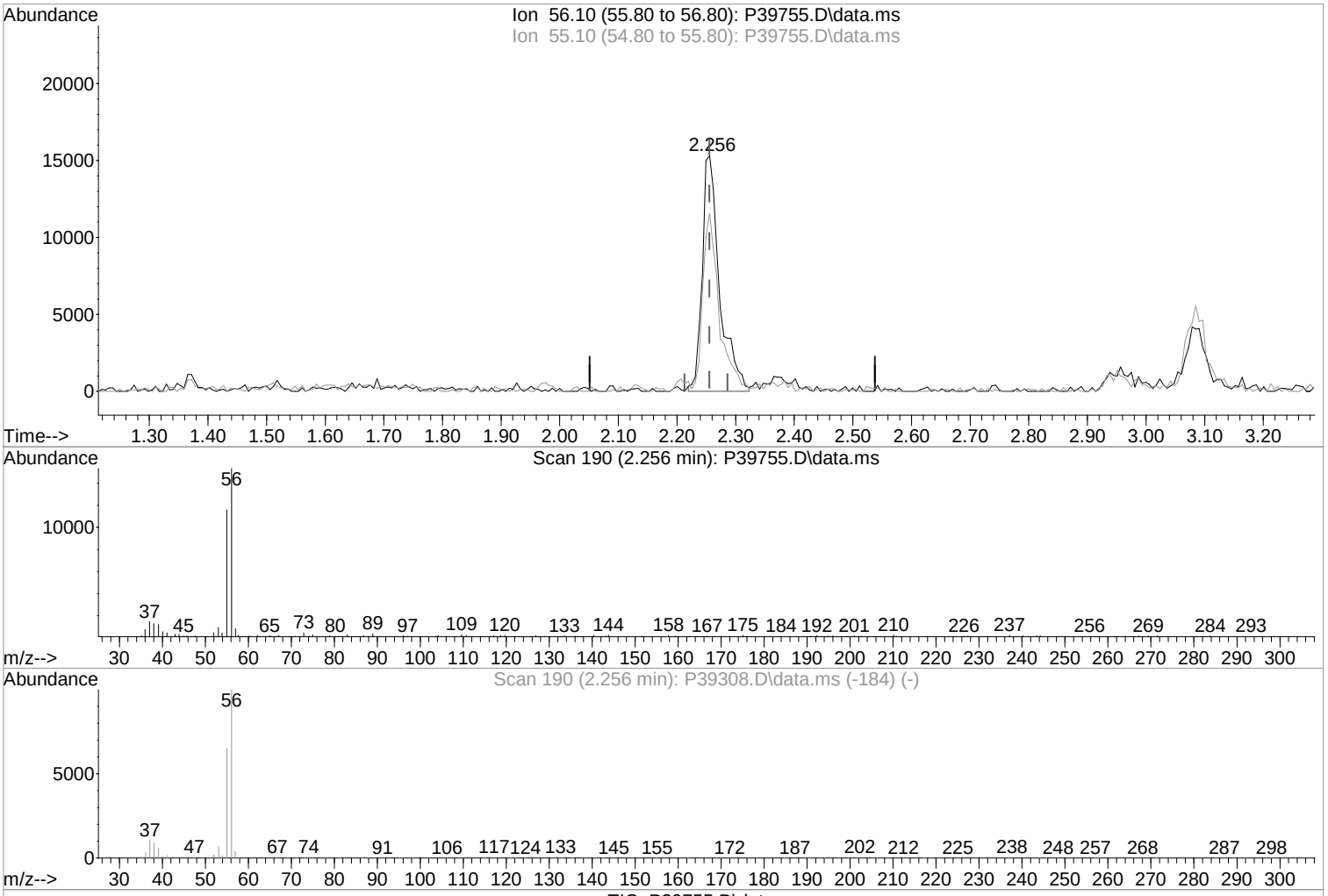
09/18/20

1st 09/18/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39755.D\data.ms

(12) Acrolein

2.256min (-0.000) 39.56 ppb m

response 31763

Ion	Exp%	Act%
56.10	100	100
55.10	66.30	75.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

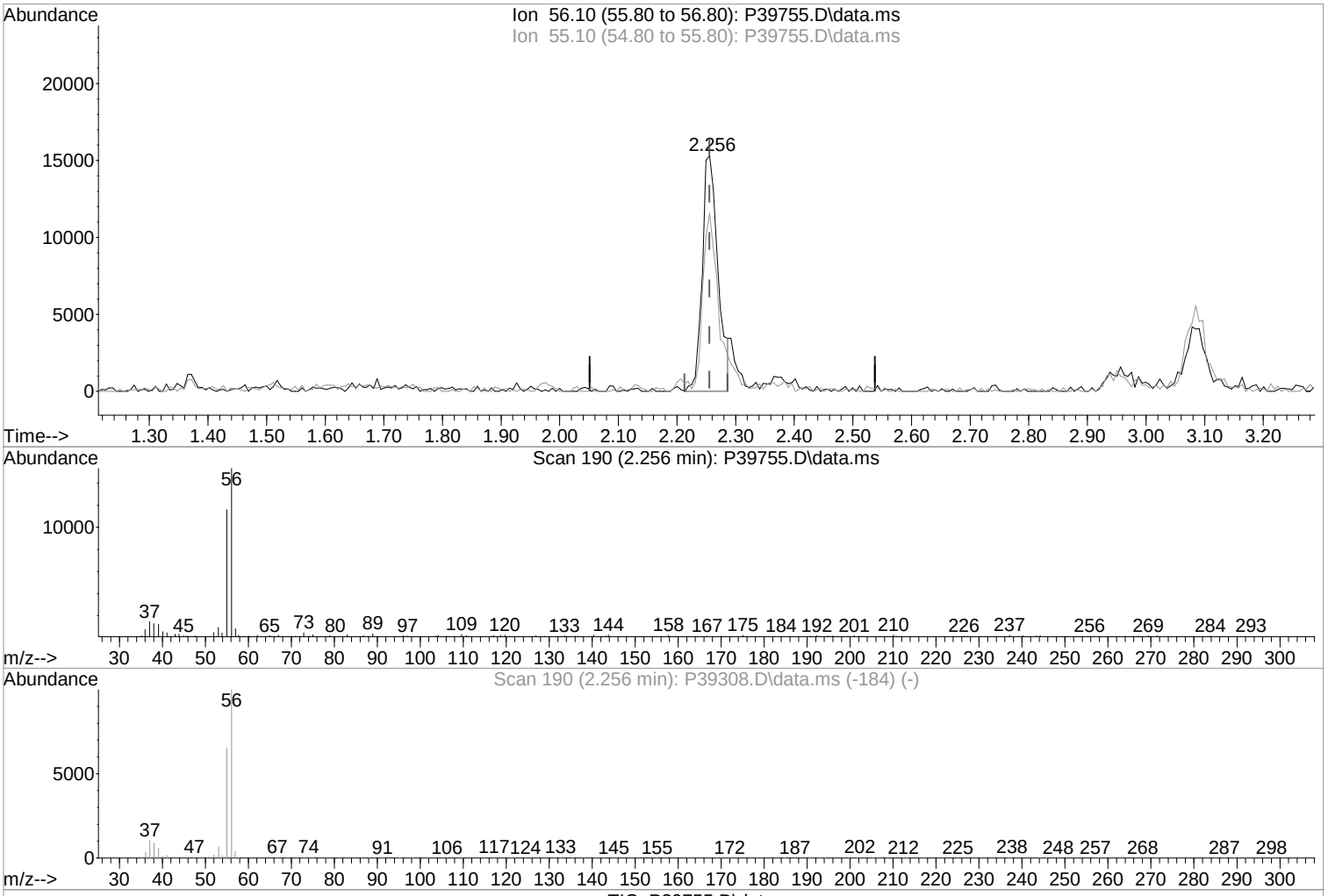
Poor integration.

09/18/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39755.D\data.ms

(12) Acrolein

2.256min (-0.000) 35.87 ppb

response 28800

Ion	Exp%	Act%
56.10	100	100
55.10	66.30	75.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

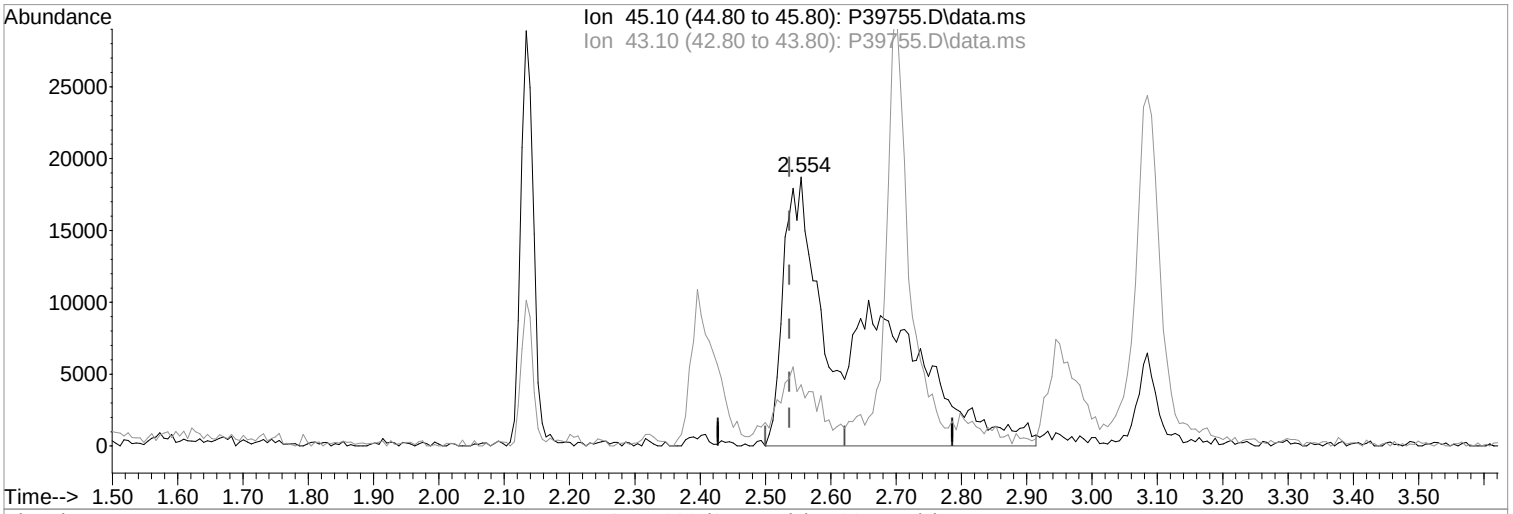
09/18/20

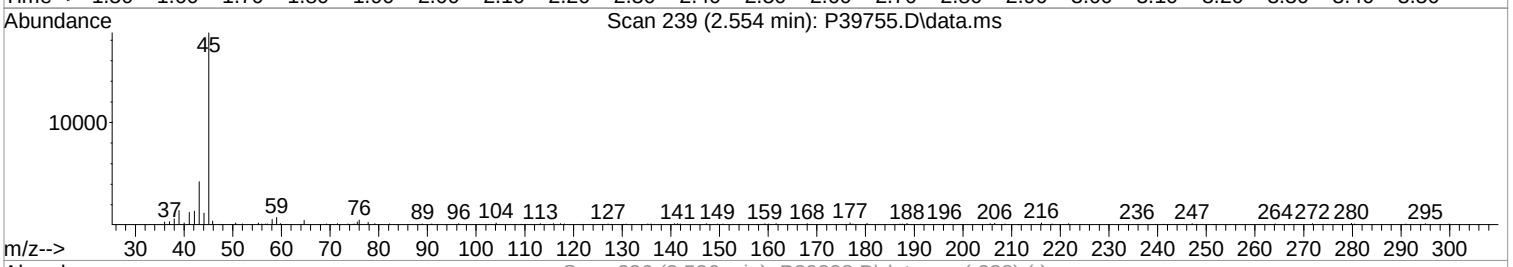
1st 09/18/20
2nd 09/22/20

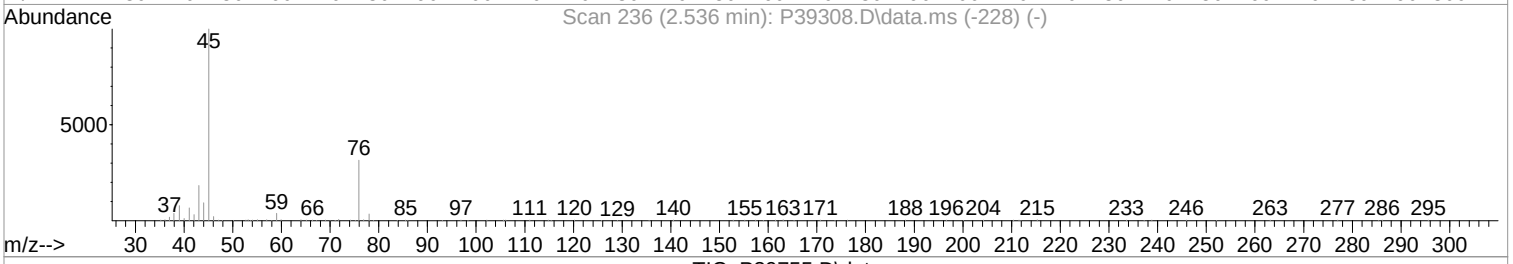
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 404.96 ppb m

response 149478

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	22.75
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

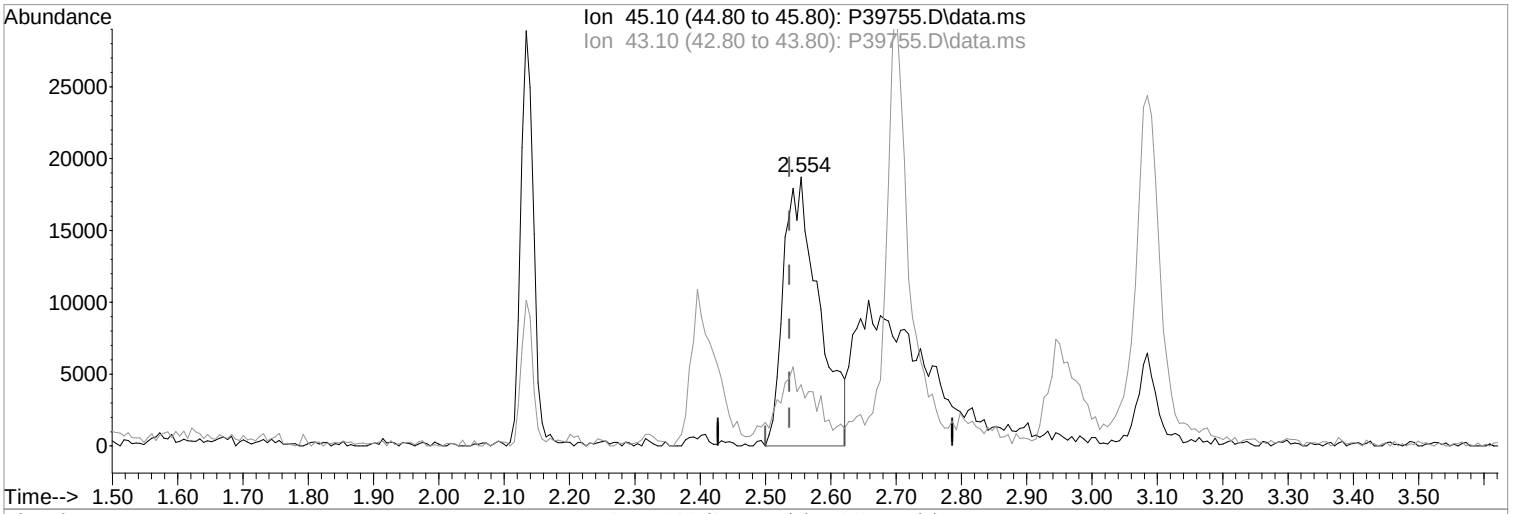
09/18/20

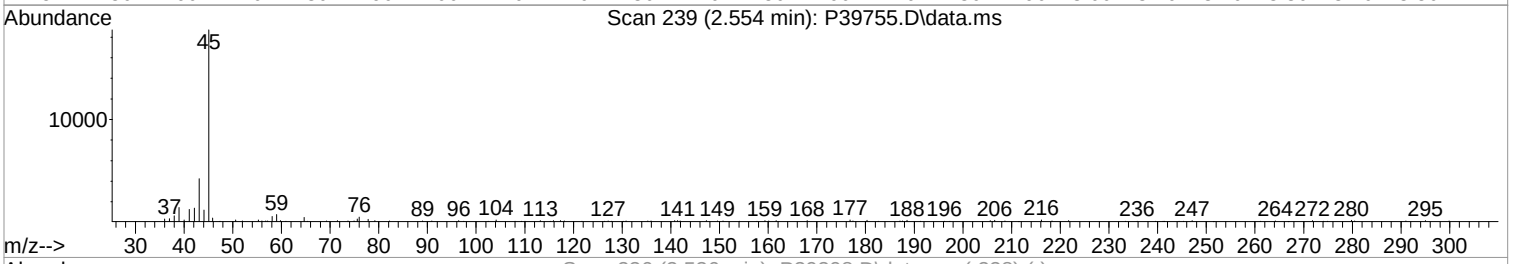
1st 09/18/20
2nd 09/22/20

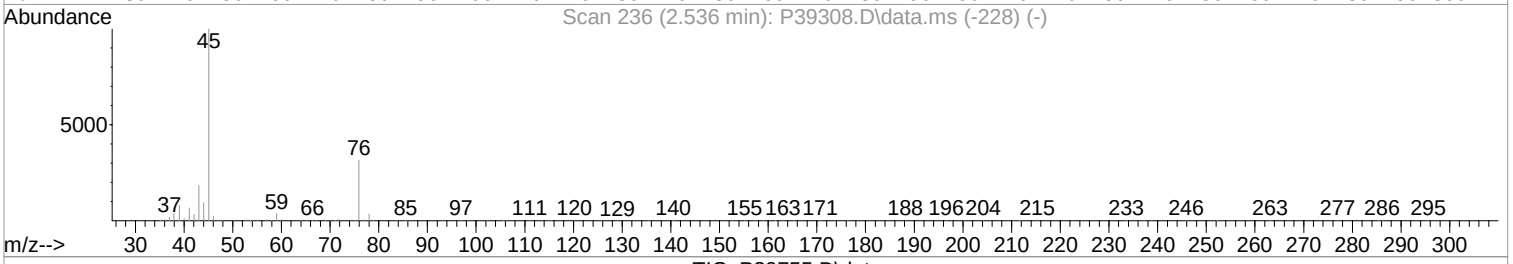
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 189.92 ppb

response 70101

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	22.75
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

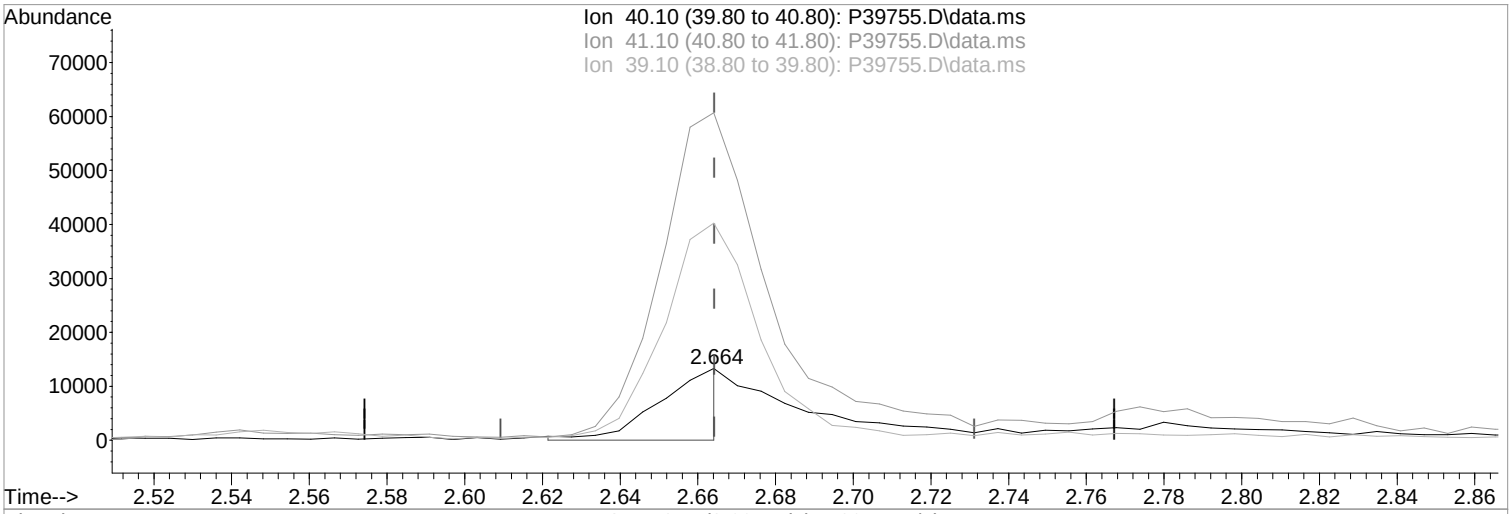
Before

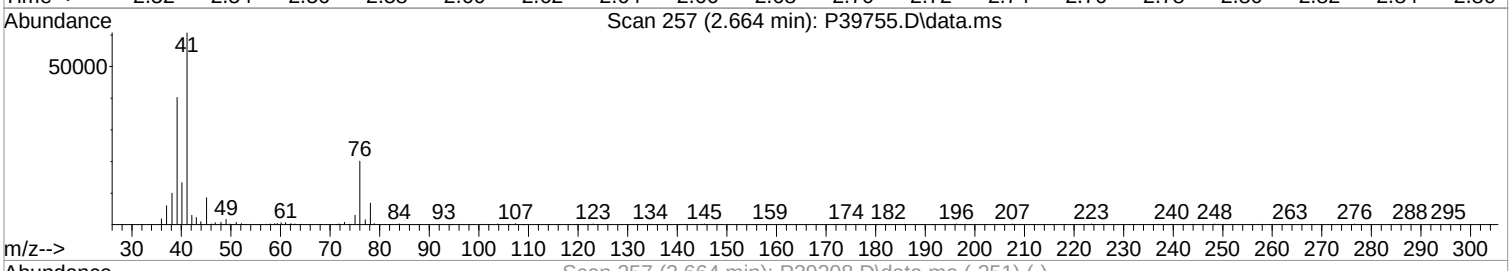
09/18/20

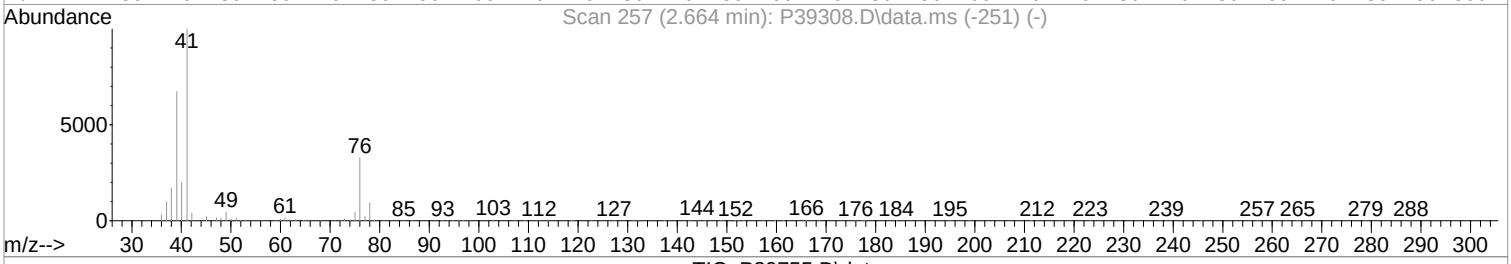
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(19) Acetonitrile

2.664min (-0.000) 125.60 ppb m

response 14901

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	455.90#
39.10	343.30	302.05#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

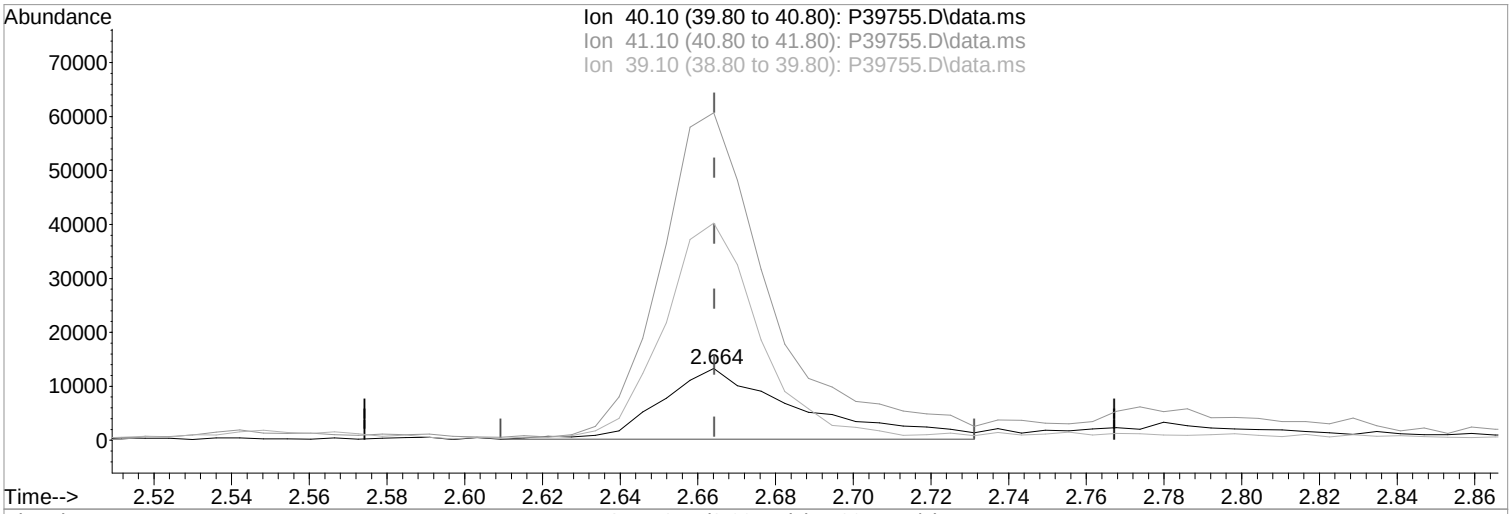
09/18/20

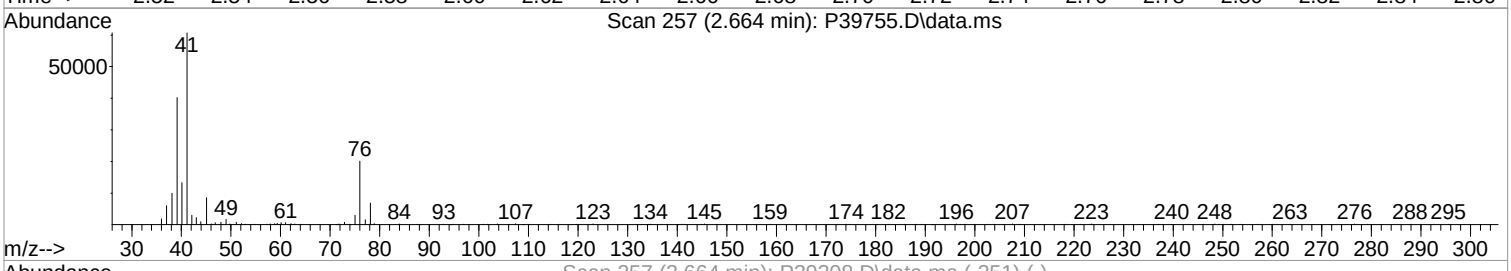
1st 09/18/20
2nd 09/22/20

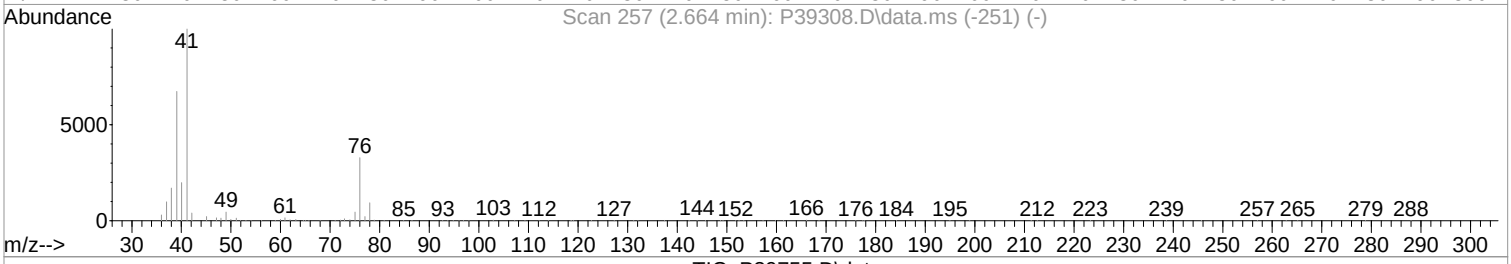
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(19) Acetonitrile

2.664min (-0.000) 273.14 ppb

response 32405

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	455.90#
39.10	343.30	302.05#
0.00	0.00	0.00

Manual Integration:

Before

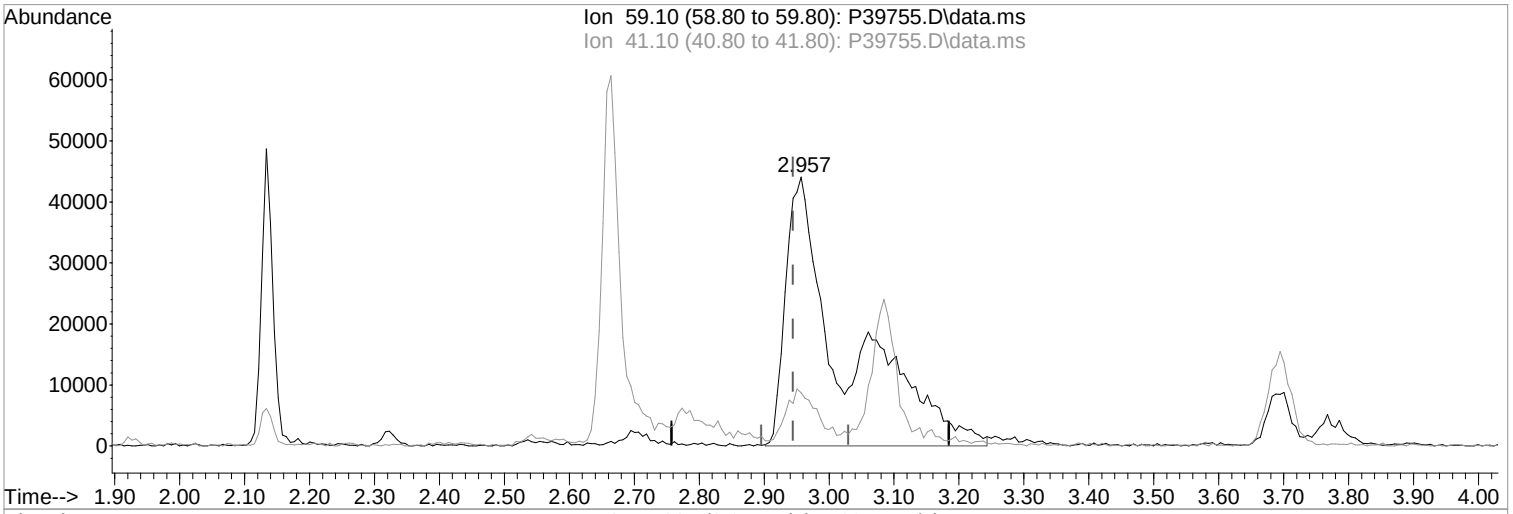
09/18/20

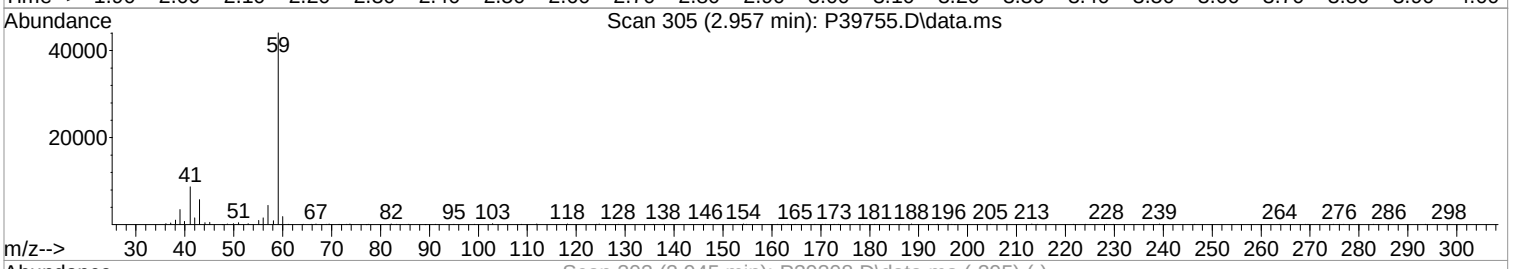
1st 09/18/20
2nd 09/22/20

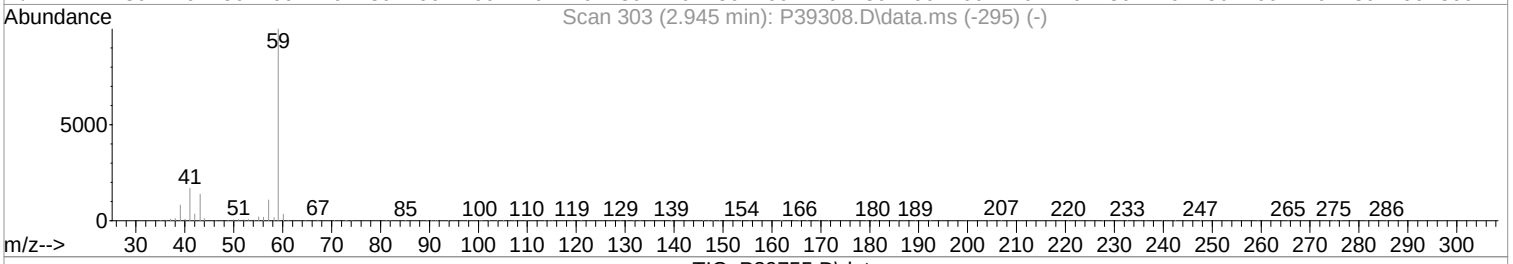
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(23) TBA

2.957min (+0.012) 403.27 ppb m

response 278473

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	19.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

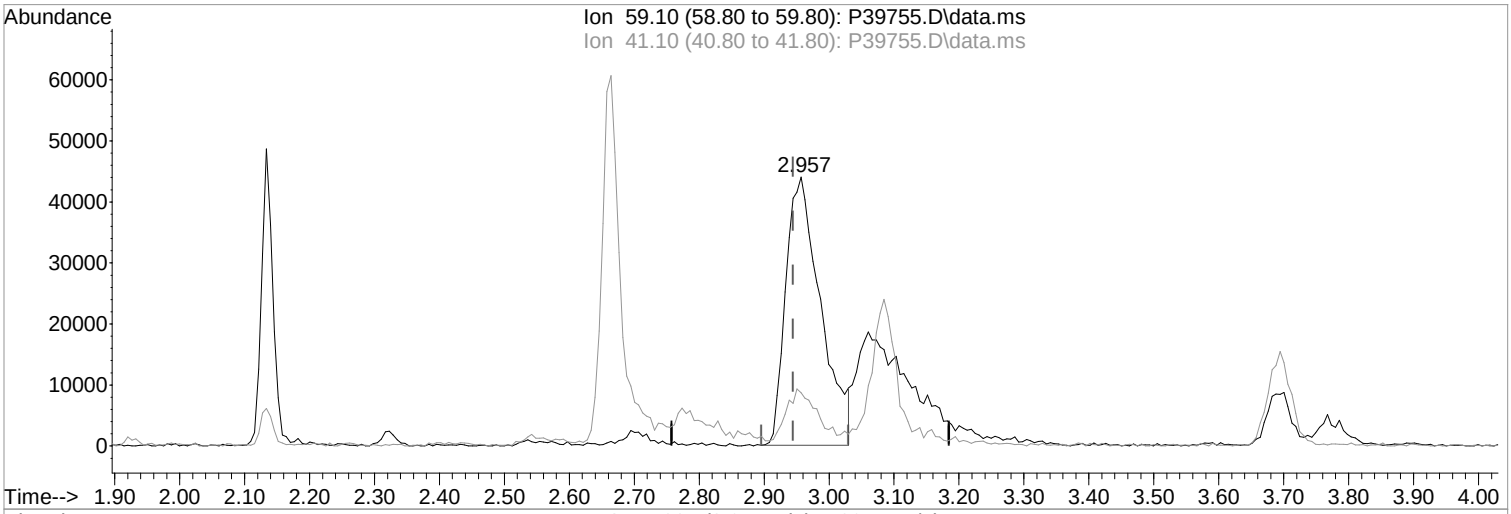
09/18/20

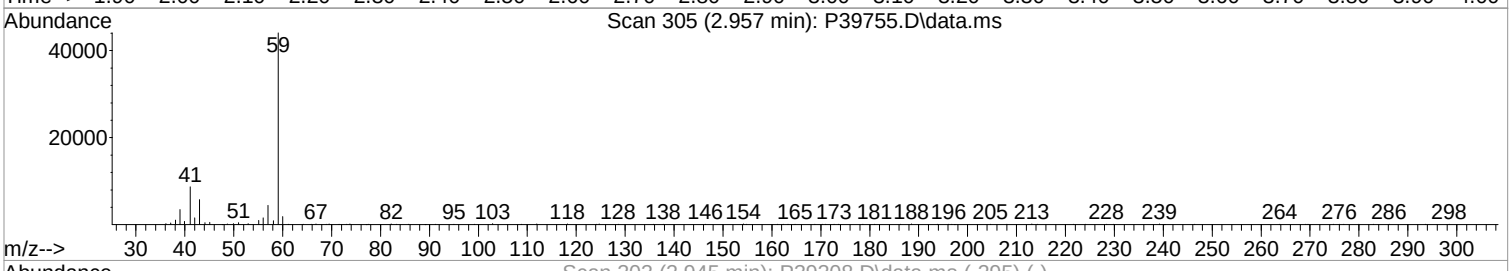
1st 09/18/20
2nd 09/22/20

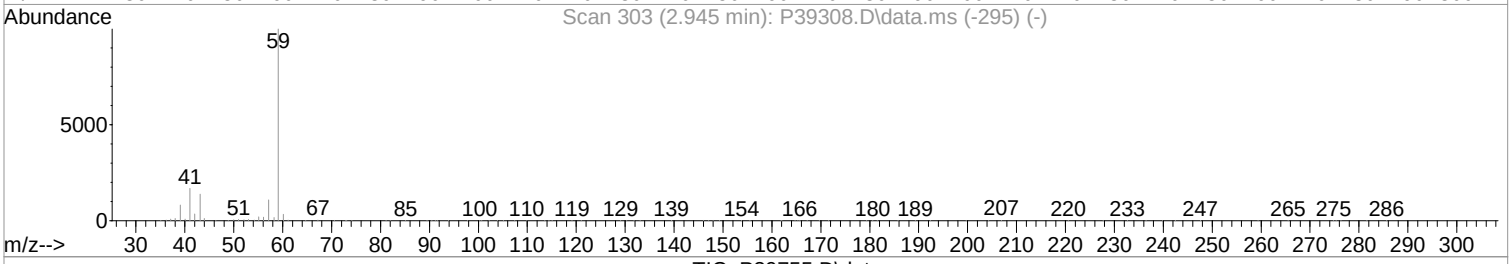
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(23) TBA

2.957min (+0.012) 237.72 ppb

response 164155

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	19.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

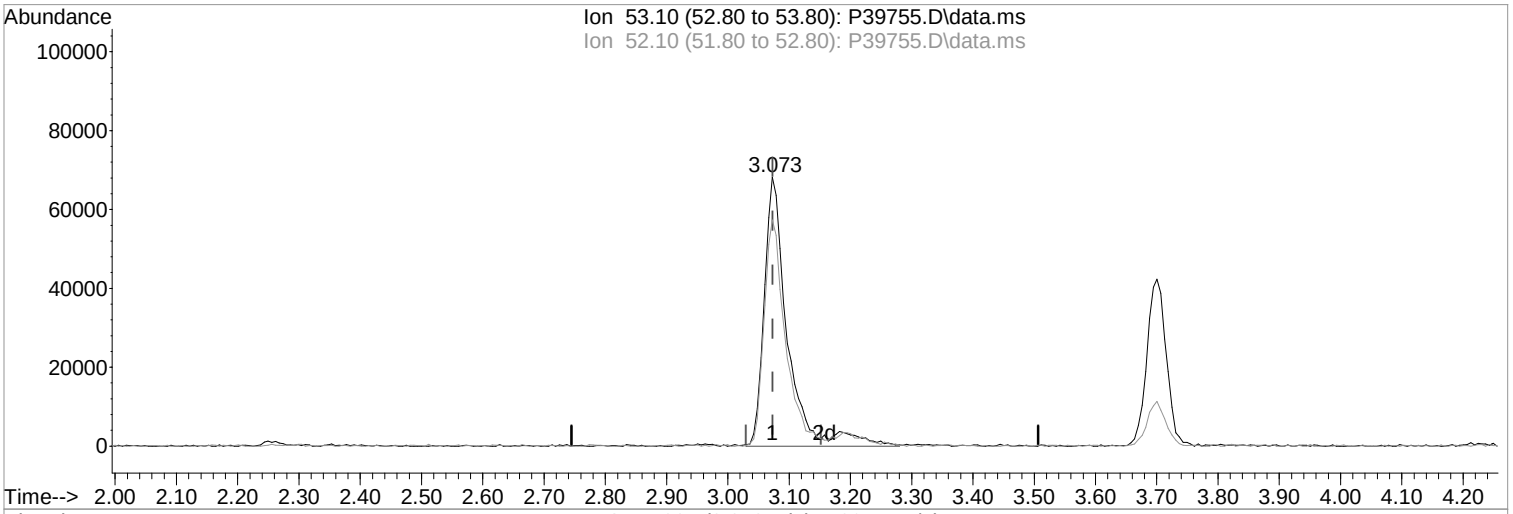
09/18/20

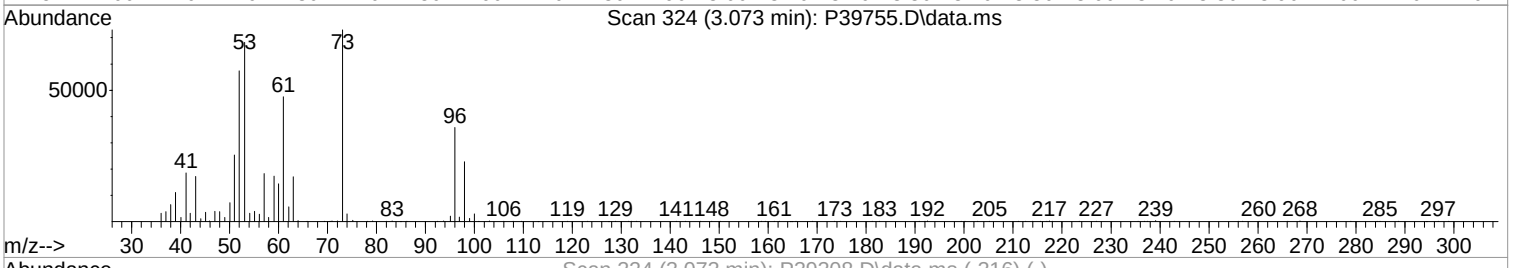
1st 09/18/20
2nd 09/22/20

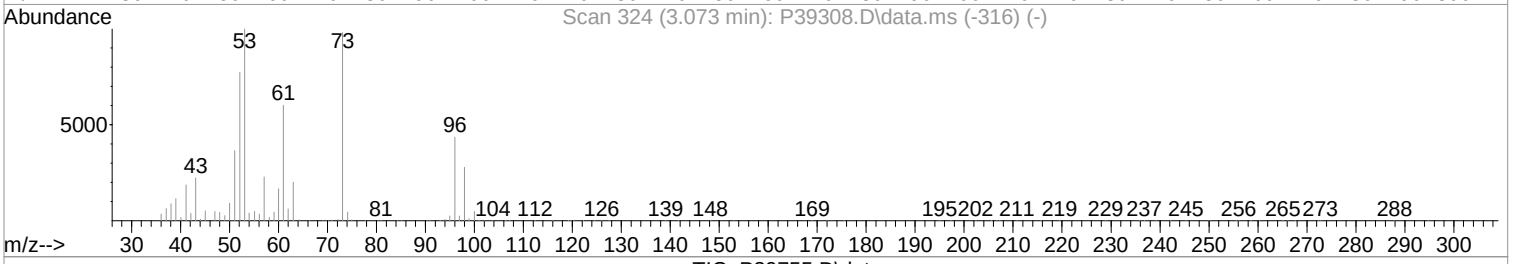
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(24) Acrylonitrile

3.073min (-0.000) 110.11 ppb m

response 181136

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	84.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

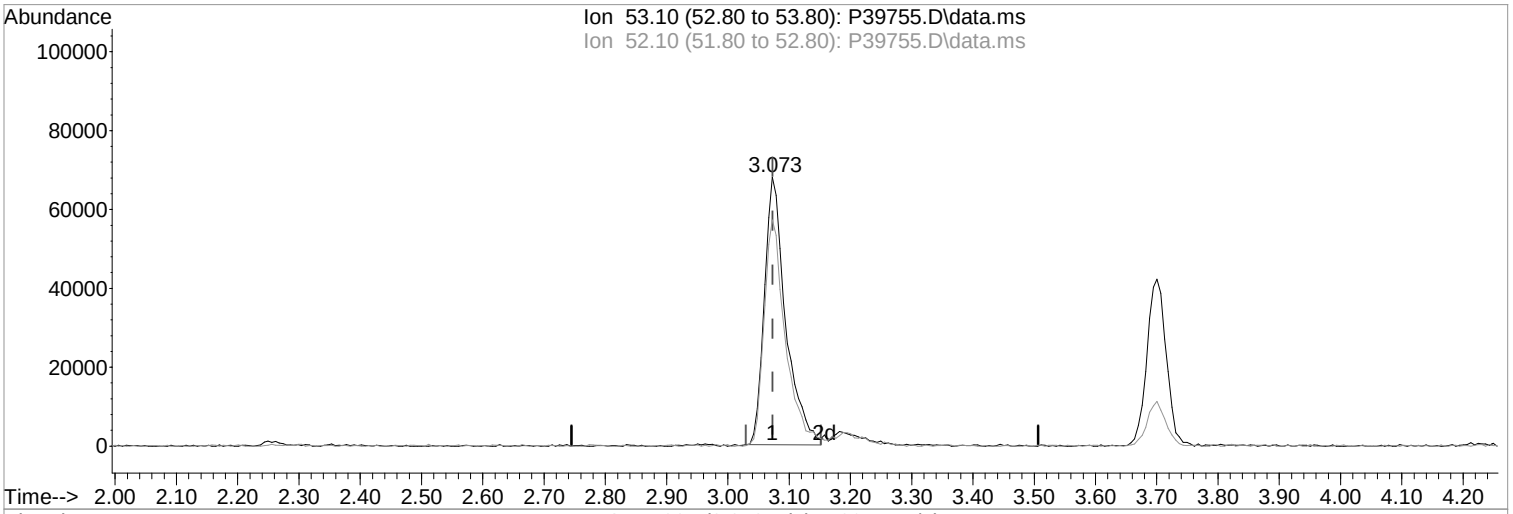
09/18/20

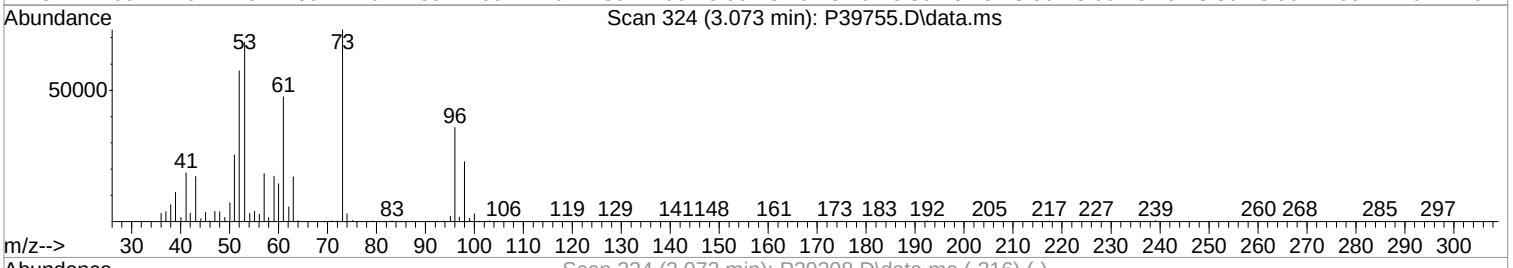
1st 09/18/20
2nd 09/22/20

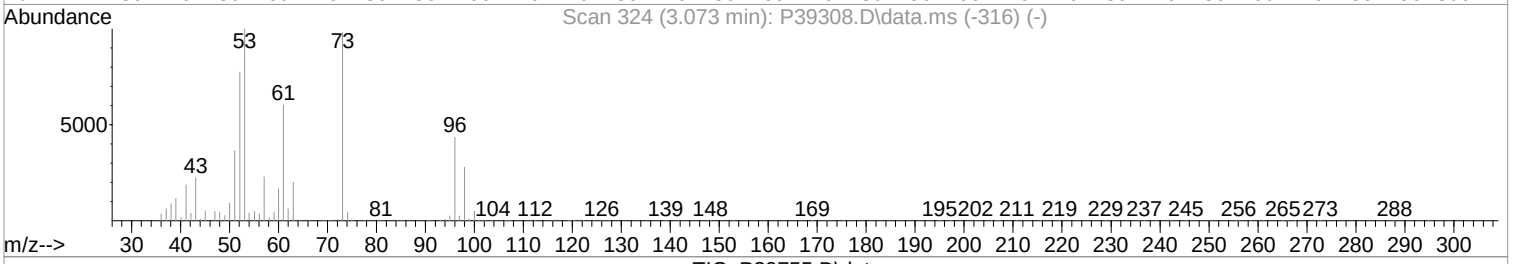
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(24) Acrylonitrile

3.073min (-0.000) 100.07 ppb

response 164619

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	84.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

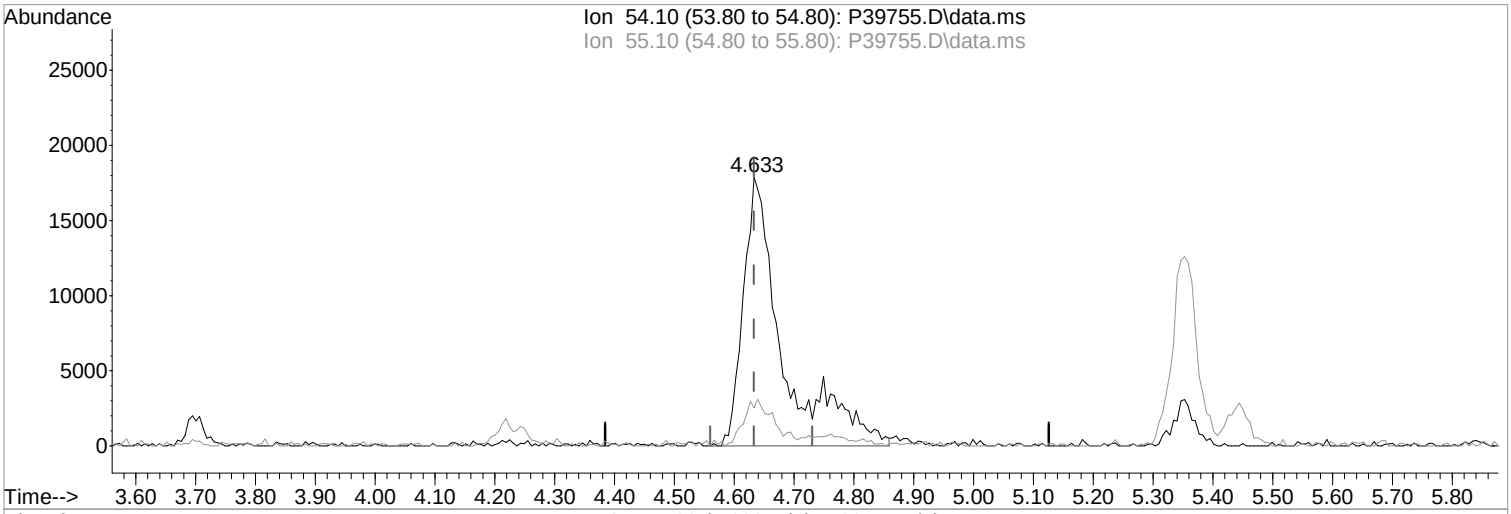
09/18/20

1st 09/18/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39755.D\data.ms

(36) Propionitrile

4.633min (-0.000) 104.90 ppb m

response 82029

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	14.26
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

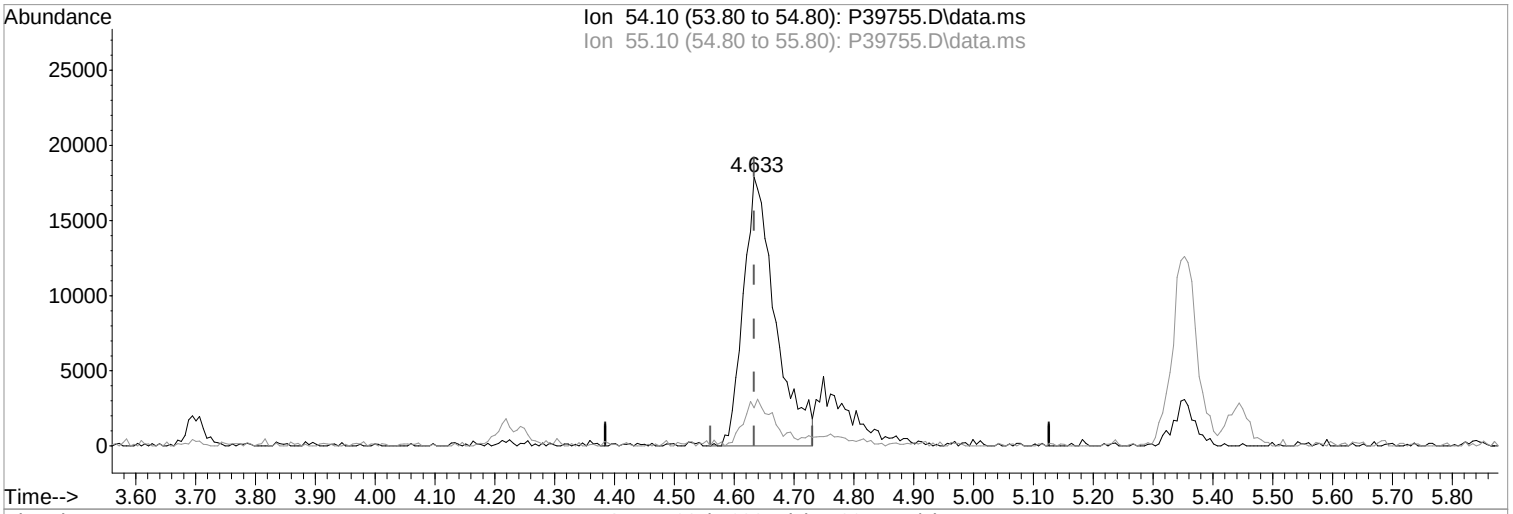
09/18/20

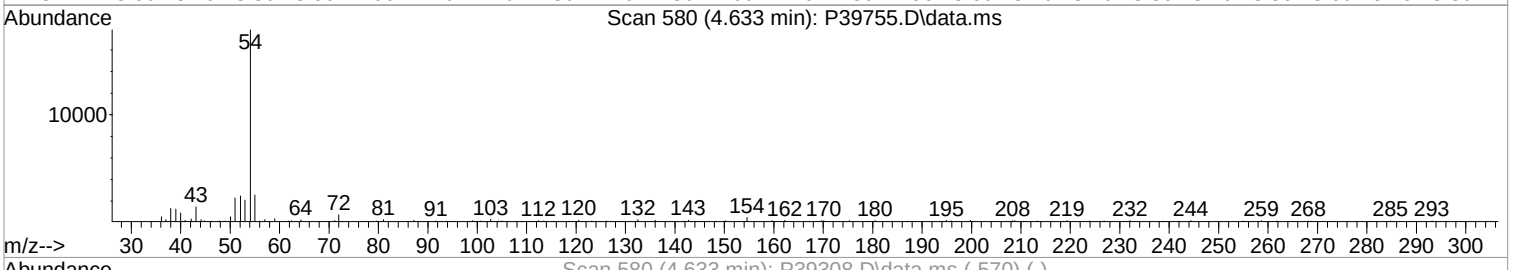
1st 09/18/20
2nd 09/22/20

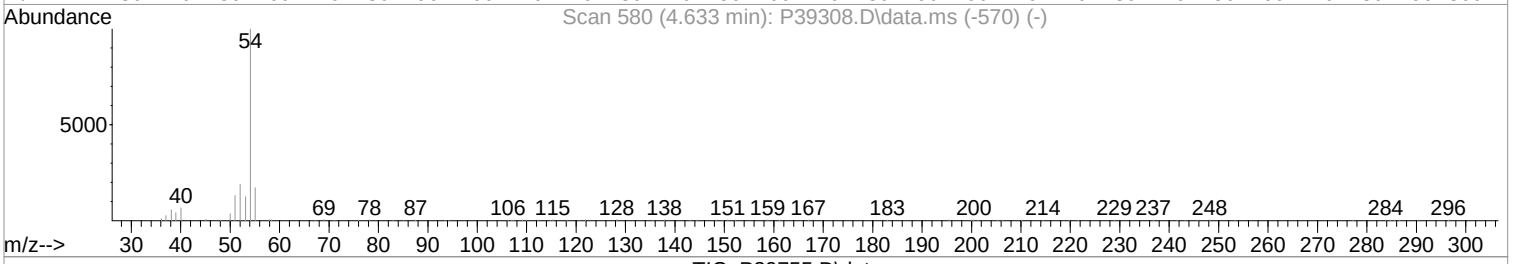
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(36) Propionitrile

4.633min (-0.000) 85.00 ppb

response 66467

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	14.26
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

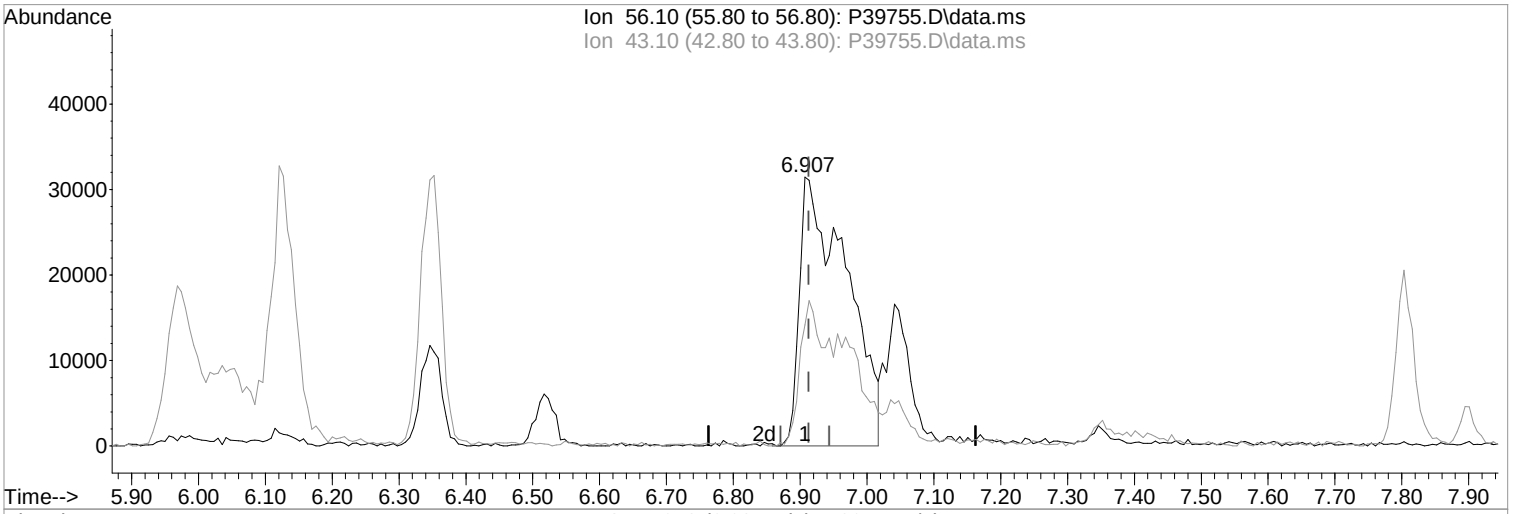
09/18/20

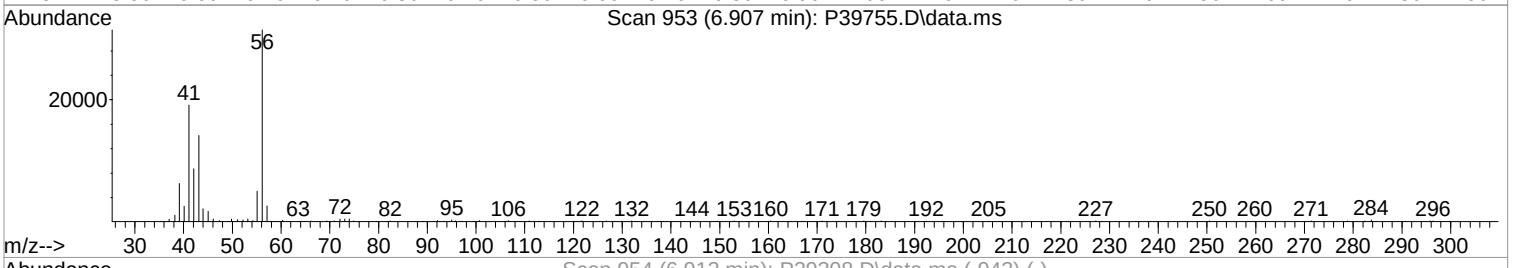
1st 09/18/20
2nd 09/22/20

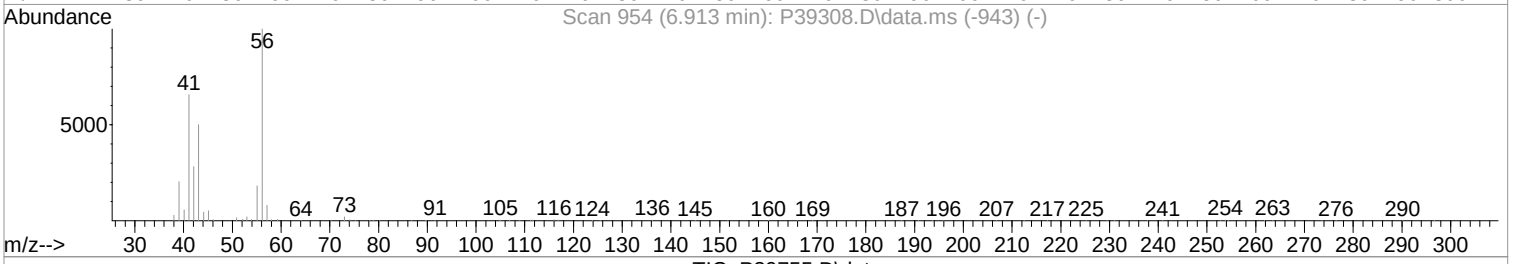
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(53) 1-Butanol

6.907min (-0.006) 1066.23 ppb m

response 154570

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	30.10#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

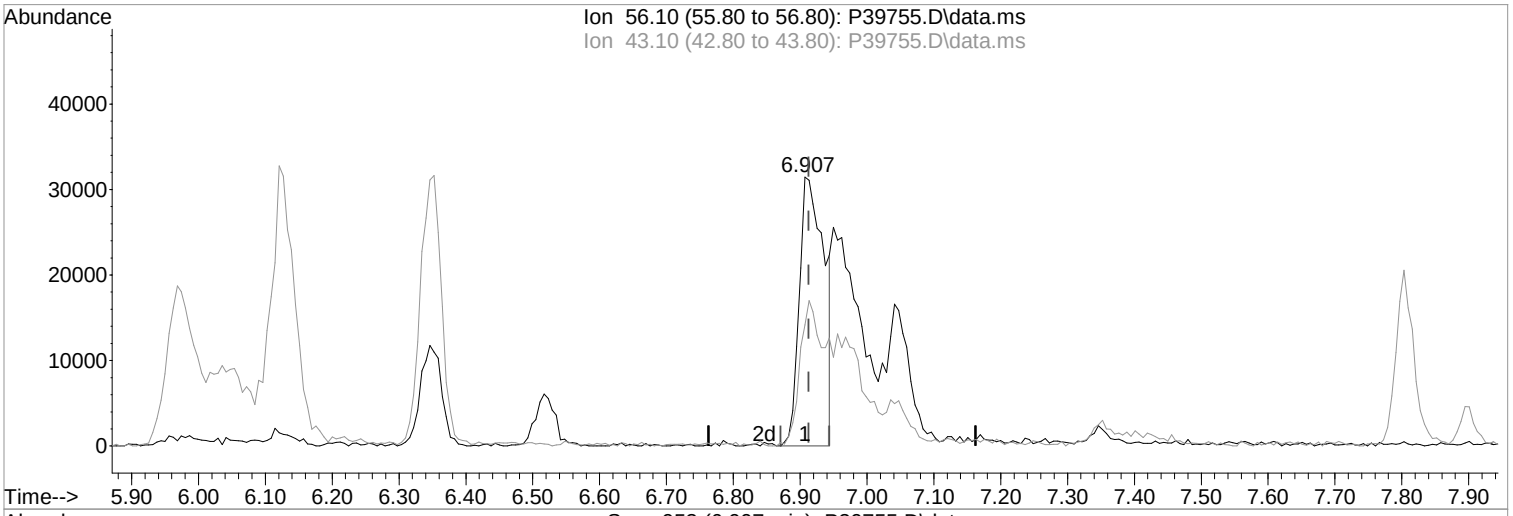
09/18/20

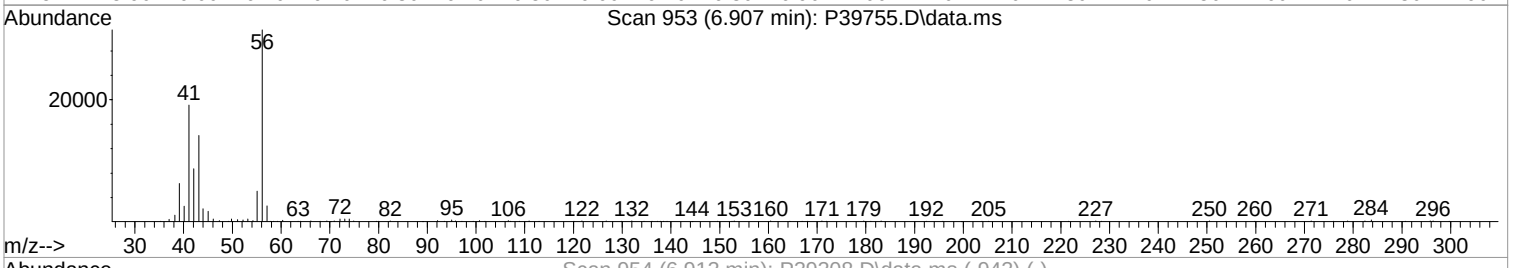
1st 09/18/20
2nd 09/22/20

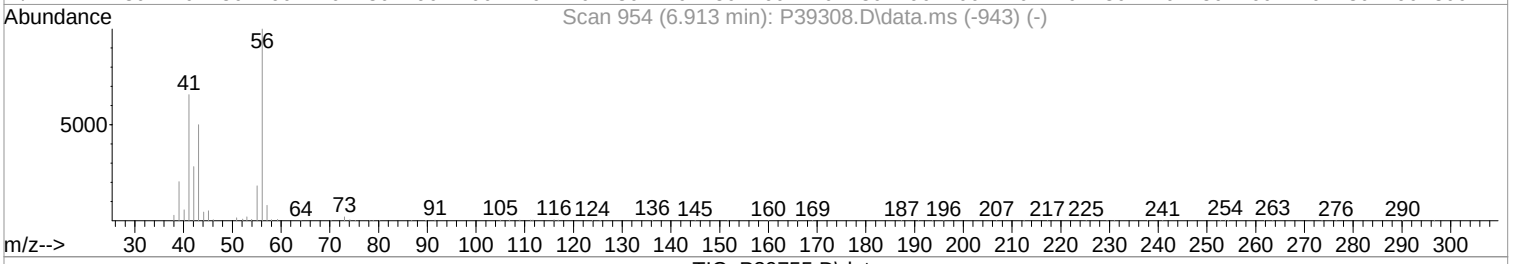
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39755.D\data.ms

(53) 1-Butanol

6.907min (-0.006) 585.91 ppb

response 81487

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	57.09
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

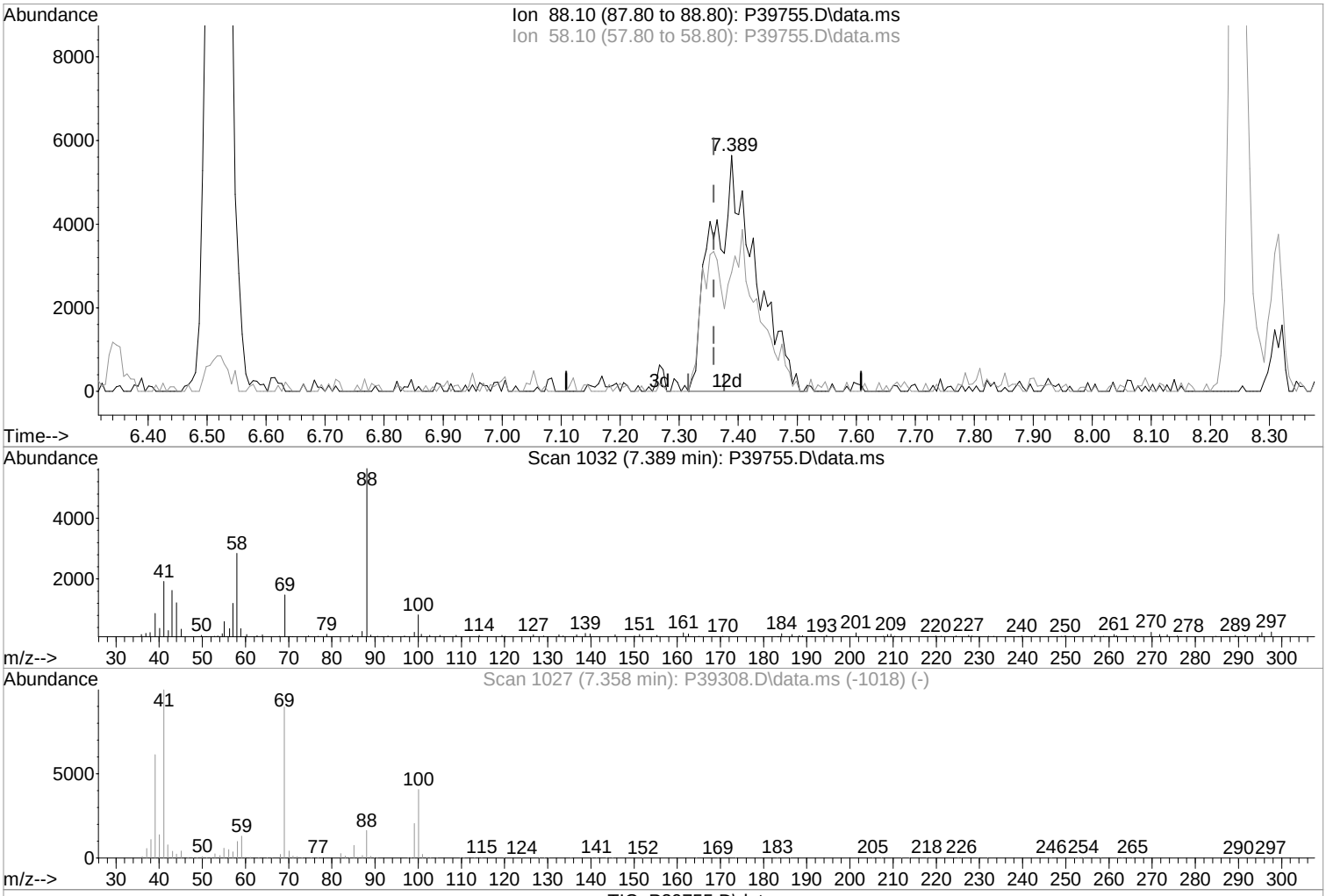
Before

09/18/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39755.D\data.ms

(58) 1,4-Dioxane

7.389min (+0.030) 345.23 ppb m

response 28710

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	50.46
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

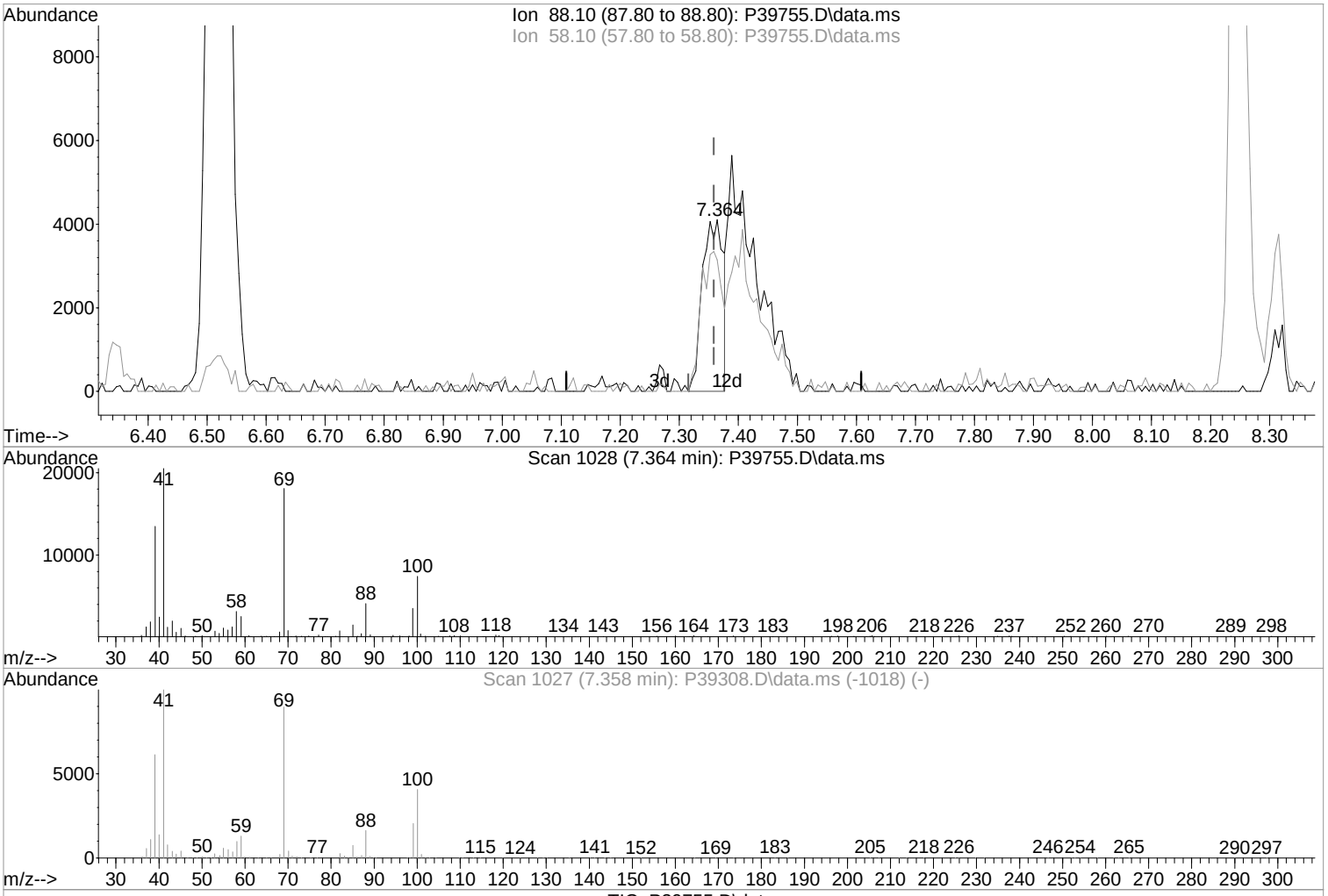
Split Peak

09/18/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:11:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39755.D\data.ms

(58) 1,4-Dioxane

7.364min (+0.006) 121.09 ppb

response 10070

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	76.58
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:13:46 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	308394	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	518206	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	461332	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	237992	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	140215	46.10	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.20%				
48) surr1,1,2-dichloroetha...	5.840	65	194248	47.84	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 95.68%				
65) SURR3,Toluene-d8	8.315	98	660184	47.75	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.50%				
70) SURR2,BFB	10.864	95	252130	47.02	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.04%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	76351	18.75	ppb		97
3) Chloromethane	1.317	50	87286	20.71	ppb		98
4) Vinyl Chloride	1.390	62	112048	21.93	ppb		98
5) Bromomethane	1.628	94	90988	20.36	ppb		94
6) Chloroethane	1.701	64	96167	25.68	ppb		93
7) Freon 21	1.853	67	107270	18.62	ppb		99
8) Trichlorofluoromethane	1.896	101	92673	19.16	ppb		98
9) Diethyl Ether	2.134	59	59009	20.91	ppb		95
10) Freon 123a	2.146	67	48460	14.55	ppb		95
11) Freon 123	2.195	83	65006	16.82	ppb		97
12) Acrolein	2.256	56	31763m	39.56	ppb		
13) 1,1-Diclethene	2.323	96	56114	24.69	ppb		95
14) Freon 113	2.323	101	53930	21.04	ppb		99
15) Acetone	2.396	43	28769	19.38	ppb		93
16) 2-Propanol	2.554	45	149478m	404.96	ppb		
17) Iodomethane	2.463	142	62187	19.36	ppb		97
18) Carbon Disulfide	2.518	76	147651	18.88	ppb		99
19) Acetonitrile	2.664	40	14901m	125.60	ppb		
20) Allyl Chloride	2.664	76	32238	21.48	ppb		98
21) Methyl Acetate	2.701	43	64236	21.03	ppb		92
22) Methylene Chloride	2.786	84	66895	22.05	ppb		94
23) TBA	2.957	59	278473m	403.27	ppb		
24) Acrylonitrile	3.073	53	181136m	110.11	ppb		
25) Methyl-t-Butyl Ether	3.085	73	239564	22.98	ppb		98
26) trans-1,2-Dichloroethene	3.073	96	60990	23.13	ppb		96
28) 1,1-Diclethane	3.585	63	109676	21.75	ppb		100
29) Vinyl Acetate	3.688	86	11869	18.90	ppb	#	67
30) DIPE	3.694	45	197090	22.57	ppb		87
31) 2-Chloro-1,3-Butadiene	3.700	53	93249	19.49	ppb		98
32) ETBE	4.225	59	199126	22.26	ppb		98
33) 2,2-Dichloropropane	4.420	77	85587	18.69	ppb		94
34) cis-1,2-Dichloroethene	4.438	96	72063	22.61	ppb		97
35) 2-Butanone	4.523	43	39201	19.52	ppb		92
36) Propionitrile	4.633	54	82029m	104.90	ppb		
37) Bromochloromethane	4.847	130	42353	20.59	ppb		83
38) Methacrylonitrile	4.877	67	38465	20.55	ppb		99
39) Tetrahydrofuran	4.944	42	24459	16.63	ppb		84
40) Chloroform	5.029	83	110020	20.77	ppb		98
41) 1,1,1-Trichloroethane	5.298	97	96150	20.12	ppb		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:13:46 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.133	73	222919	23.34	ppb	96
44) Cyclohexane	5.359	41	56271	18.24	ppb	100
46) Carbontetrachloride	5.560	117	69523	17.16	ppb	87
47) 1,1-Dichloropropene	5.578	75	84777	19.17	ppb	90
49) Benzene	5.901	78	271150	19.75	ppb	98
50) 1,2-Dichloroethane	5.962	62	97574	19.84	ppb	95
51) Iso-Butyl Alcohol	5.968	43	90535	412.82	ppb	93
52) n-Heptane	6.352	43	68794	17.45	ppb	97
53) 1-Butanol	6.907	56	154570m	1066.23	ppb	
54) Trichloroethene	6.834	130	72497	18.74	ppb	90
55) Methylcyclohexane	7.047	55	85168	20.02	ppb	95
56) 1,2-Diclpropane	7.127	63	65284	18.74	ppb	95
57) Dibromomethane	7.273	93	43029	18.11	ppb	89
58) 1,4-Dioxane	7.389	88	28710m	345.23	ppb	
59) Methyl Methacrylate	7.352	69	66407	19.35	ppb	96
60) Bromodichloromethane	7.492	83	76116	16.58	ppb	93
62) 2-Chloroethylvinyl Ether	7.901	63	11090	4.96	ppb	89
63) cis-1,3-Dichloropropene	8.029	75	101496	18.36	ppb	96
64) 4-Methyl-2-pentanone	8.242	43	89035	19.25	ppb	98
66) Toluene	8.382	91	304802	19.42	ppb	97
67) trans-1,3-Dichloropropene	8.669	75	96824	18.19	ppb	93
68) Ethyl Methacrylate	8.797	69	113237	19.18	ppb	96
69) 1,1,2-Trichloroethane	8.858	97	68837	20.09	ppb	92
72) Tetrachloroethene	8.962	164	49335	17.43	ppb	97
73) 2-Hexanone	9.151	43	63742	18.81	ppb	92
74) 1,3-Dichloropropane	9.029	76	117834	19.92	ppb	99
75) Dibromochloromethane	9.248	129	57655	18.27	ppb	93
76) N-Butyl Acetate	9.291	43	121568	17.54	ppb	92
77) 1,2-Dibromoethane	9.346	107	67716	19.07	ppb	90
78) Chlorobenzene	9.827	112	201710	20.75	ppb	97
79) 3-CBTF	9.839	180	86726	16.36	ppb	95
80) 4-CBTF	9.894	180	75689	16.23	ppb	93
81) 1,1,1,2-Tetrachloroethane	9.913	131	62818	18.84	ppb	96
82) Ethylbenzene	9.937	106	108397	20.23	ppb	99
83) (m+p)Xylene	10.047	106	269831	41.79	ppb	95
84) o-Xylene	10.406	106	133445	20.60	ppb	96
85) Styrene	10.425	104	208857	19.06	ppb	97
87) Bromoform	10.583	173	32641	15.66	ppb	92
88) 2-CBTF	10.656	180	87413	17.76	ppb	99
89) Isopropylbenzene	10.736	105	329562	21.00	ppb	97
90) Cyclohexanone	10.827	55	201103	231.26	ppb	100
91) trans-1,4-Dichloro-2-B...	11.059	53	26278	20.00	ppb	85
92) 1,1,2,2-Tetrachloroethane	11.010	83	92280	20.72	ppb	94
93) Bromobenzene	10.992	156	78996	18.72	ppb	91
94) 1,2,3-Trichloropropane	11.047	110	34995	20.34	ppb	95
95) n-Propylbenzene	11.089	91	399640	22.29	ppb	99
96) 2-Chlorotoluene	11.156	91	243942	20.83	ppb	99
97) 3-Chlorotoluene	11.211	91	235416	20.39	ppb	99
98) 4-Chlorotoluene	11.248	91	272249	20.46	ppb	98
99) 1,3,5-Trimethylbenzene	11.242	105	286699	20.96	ppb	98
100) tert-Butylbenzene	11.510	119	241293	20.76	ppb	98
101) 1,2,4-Trimethylbenzene	11.553	105	291529	21.42	ppb	99
102) 3,4-DCBTF	11.614	214	62282	15.55	ppb	98
103) sec-Butylbenzene	11.693	105	364241	22.01	ppb	98
104) p-Isopropyltoluene	11.815	119	294058	20.58	ppb	98
105) 1,3-Dclbenz	11.778	146	162770	20.42	ppb	95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:13:46 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.857	146	162235	19.29	ppb	98
107) 2,4-DCBTF	11.906	214	58575	16.39	ppb	92
108) 2,5-DCBTF	11.949	214	66367	16.09	ppb	94
109) n-Butylbenzene	12.144	91	273688	21.29	ppb	97
110) 1,2-Dclbenz	12.156	146	167751	20.40	ppb	94
111) 1,2-Dibromo-3-chloropr...	12.790	157	20240	15.70	ppb	89
112) Trielution Dichlorotol...	12.900	125	412131	55.96	ppb	95
113) 1,3,5 Trichlorobenzene	12.943	180	103442	16.96	ppb	100
114) Coelution Dichlorotoluene	13.223	125	312861	39.25	ppb	98
115) 1,2,4-Tcbenzene	13.430	180	112836	18.18	ppb	98
116) Hexachlorobt	13.558	225	39492	16.10	ppb	90
117) Naphthalen	13.625	128	401722	21.10	ppb	98
118) 1,2,3-Tclbenzene	13.808	180	113808	18.16	ppb	99
119) 2,4,5-Trichlorotolene	14.387	159	79326m	17.50	ppb	
120) 2,3,6-Trichlorotoluene	14.473	159	73441	17.98	ppb	97

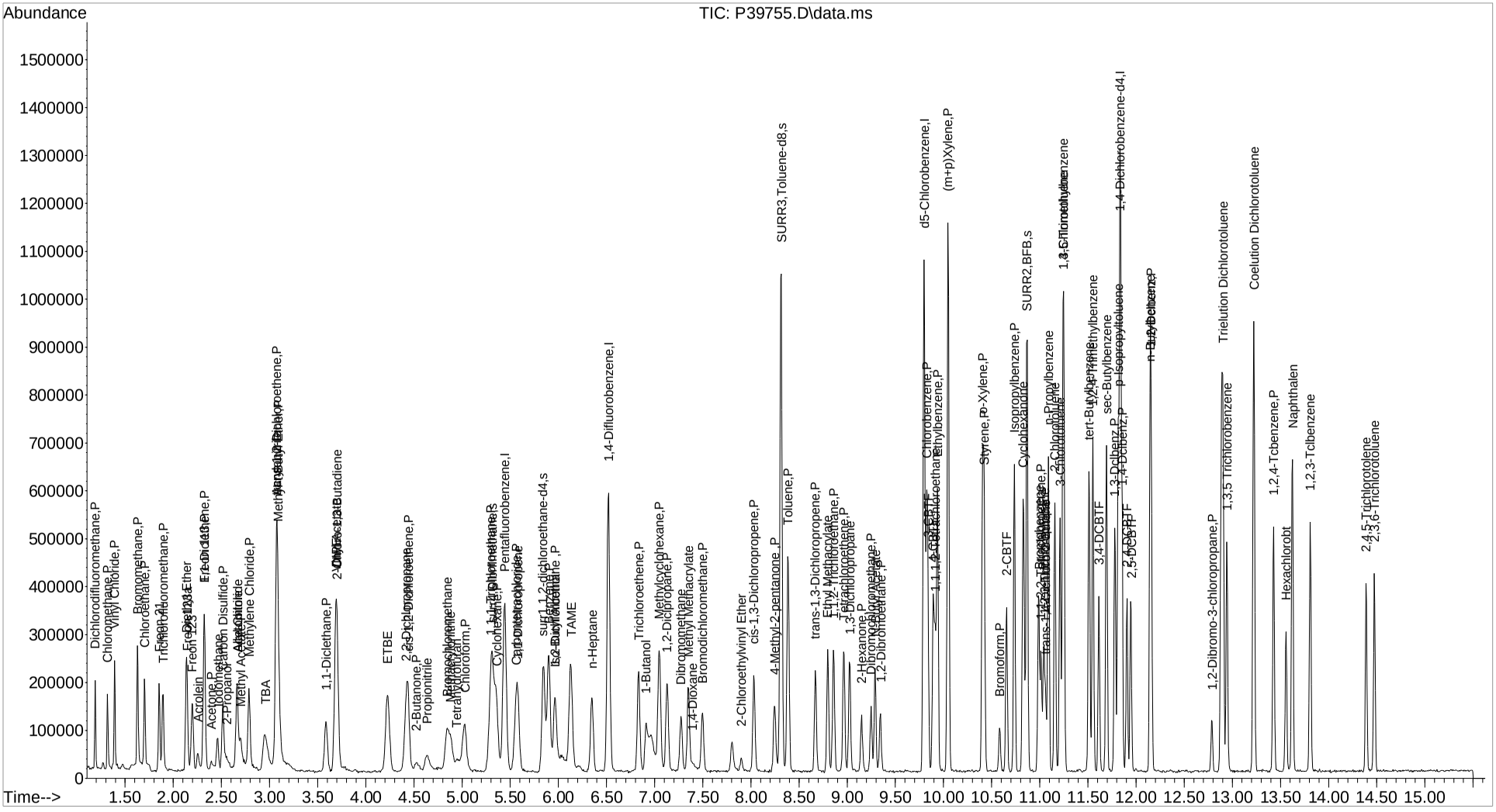
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
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Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

1st 09/18/20
2nd 09/22/20

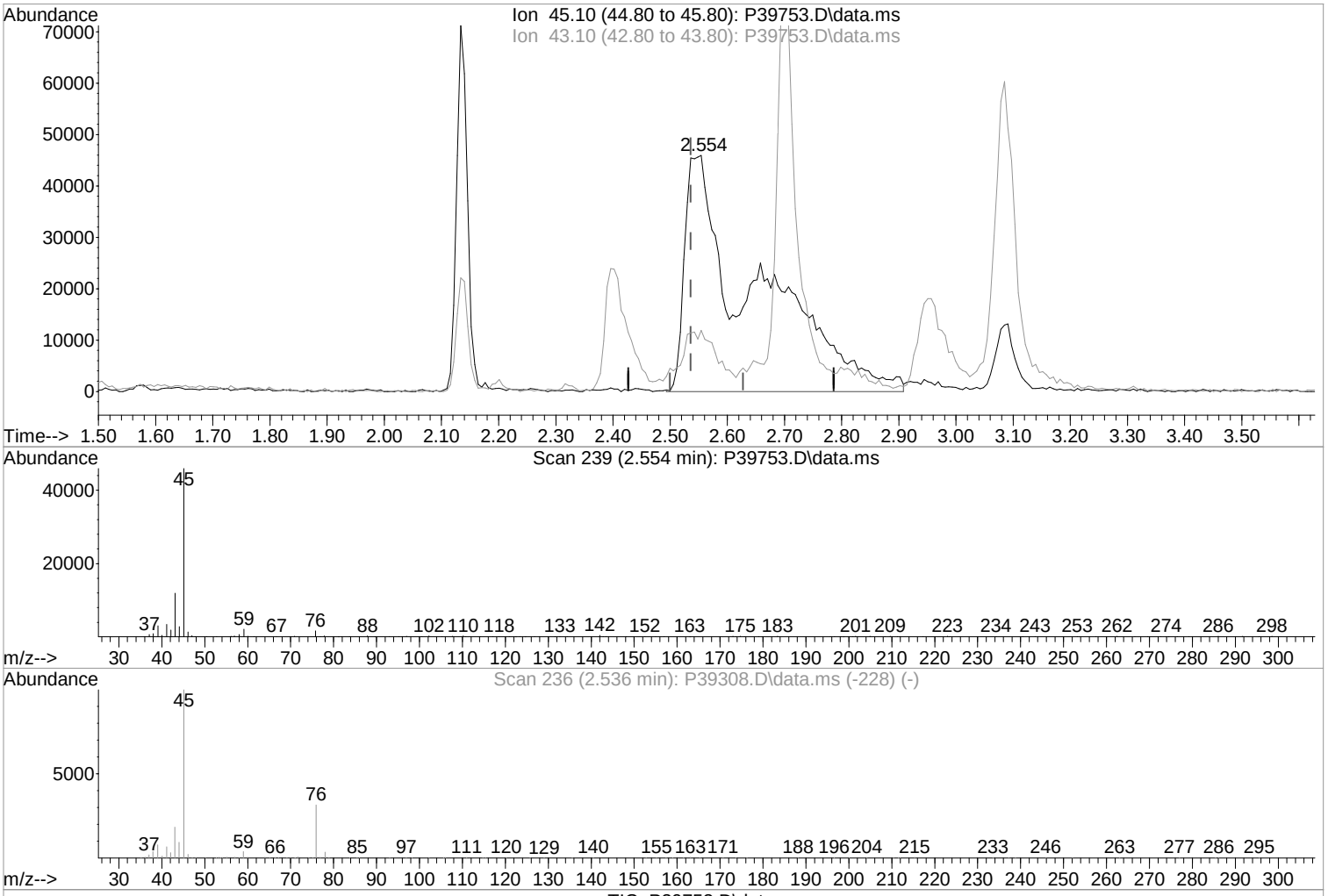


1st 09/18/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39753.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 1046.42 ppb m

response 390096

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	25.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

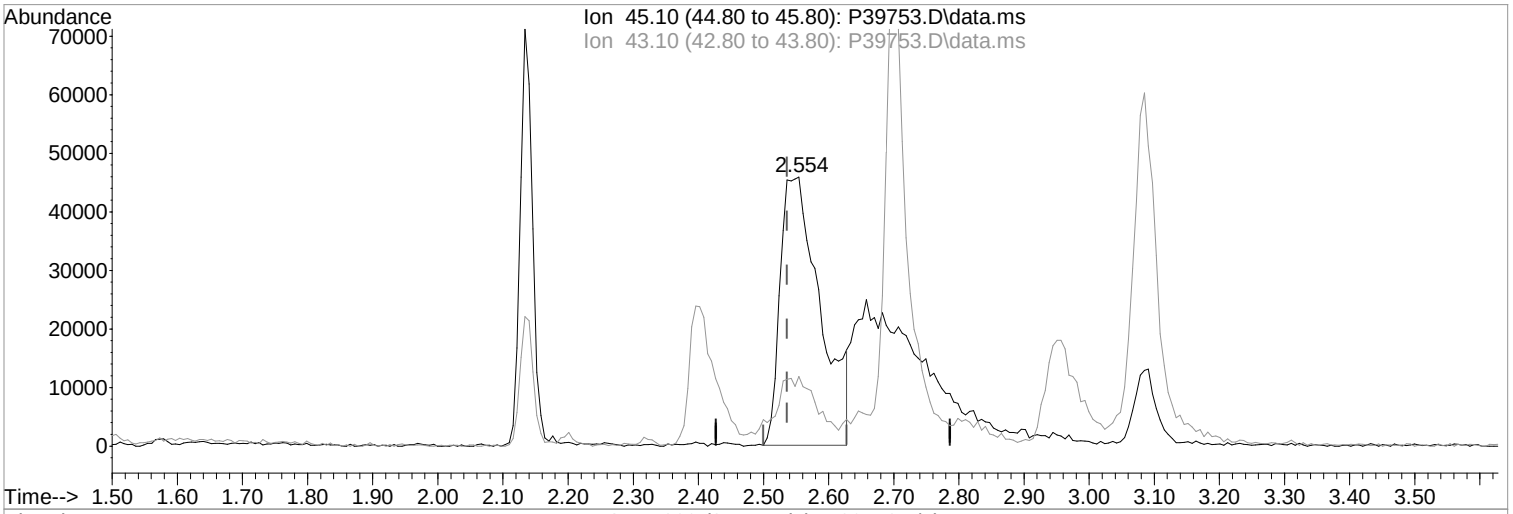
09/18/20

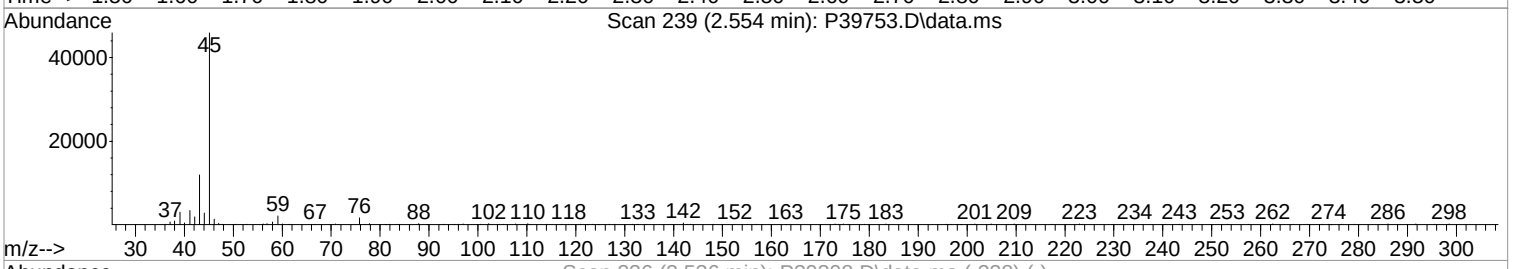
1st 09/18/20
2nd 09/22/20

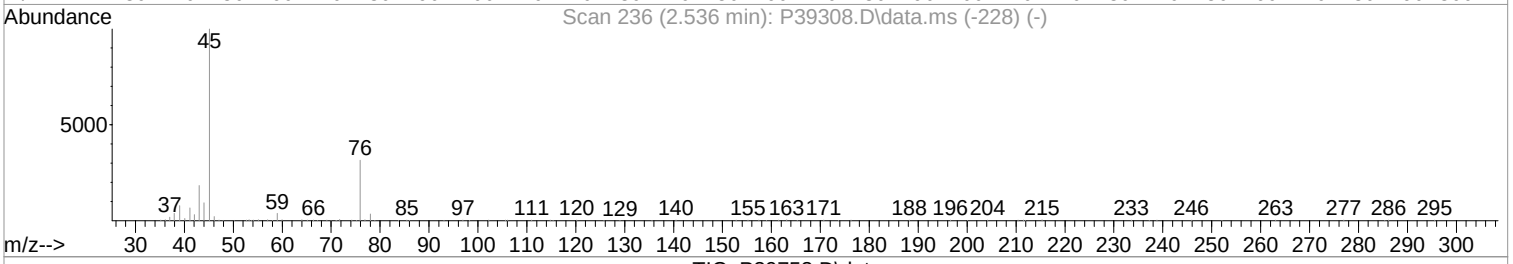
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 521.79 ppb

response 194520

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	25.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

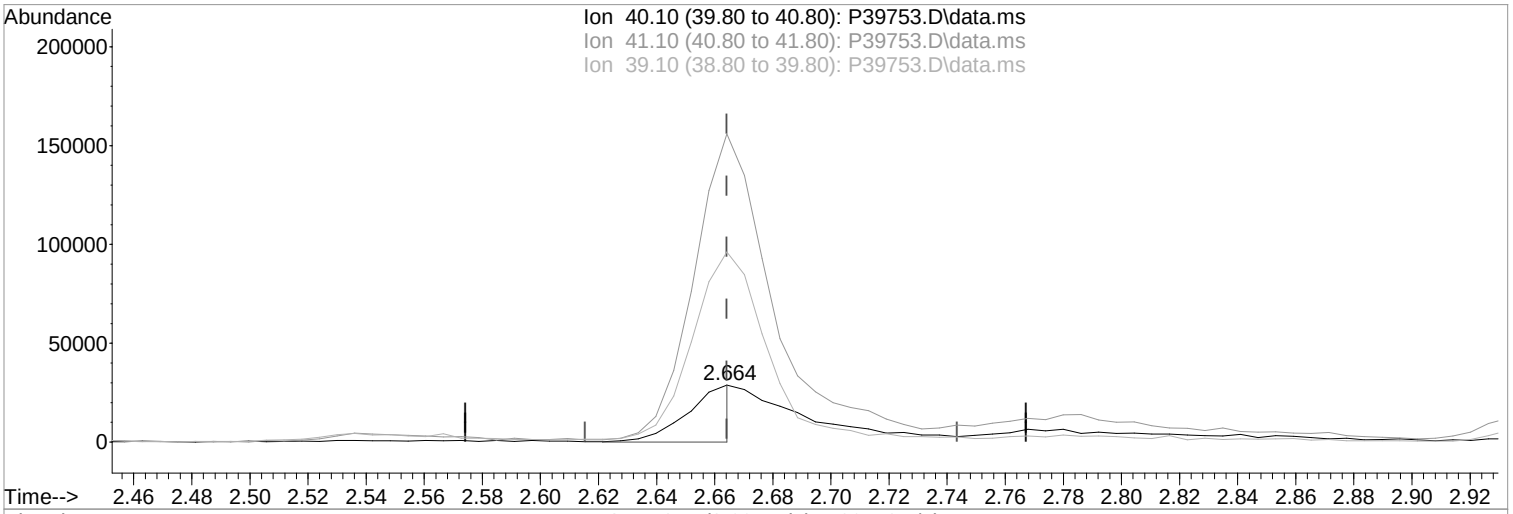
09/18/20

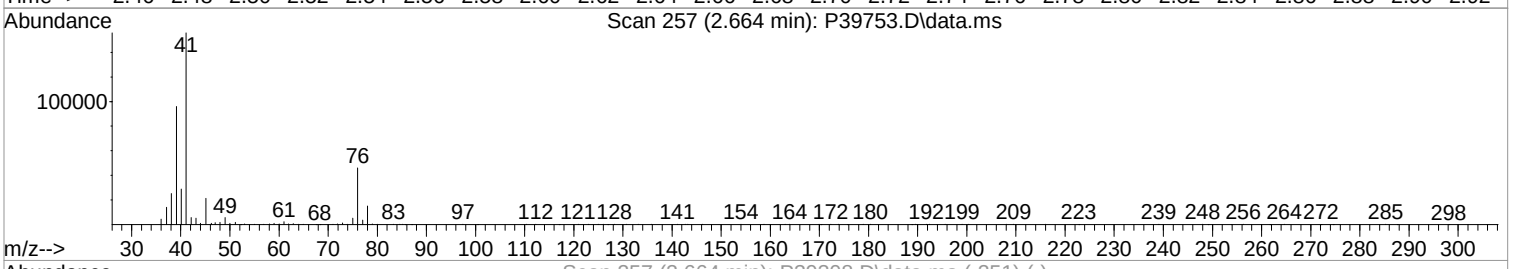
1st 09/18/20
2nd 09/22/20

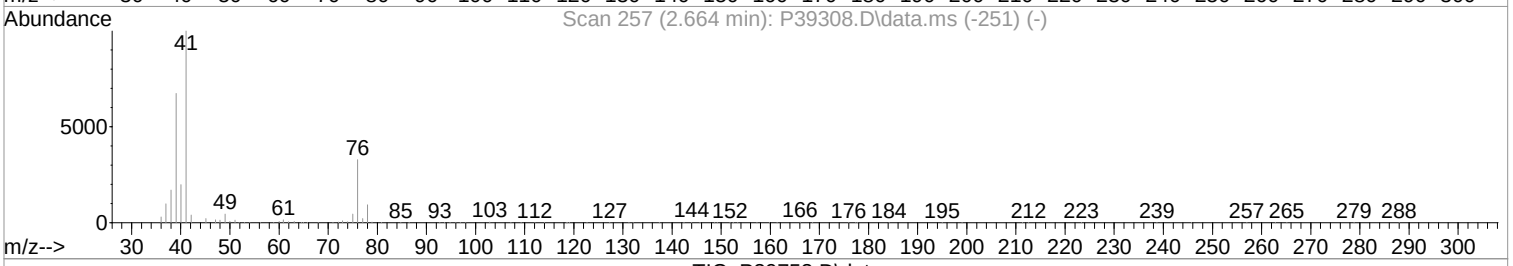
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Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
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Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
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TIC: P39753.D\data.ms

(19) Acetonitrile

2.664min (-0.000) 263.60 ppb m

response 31584

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	540.50#
39.10	343.30	333.10
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

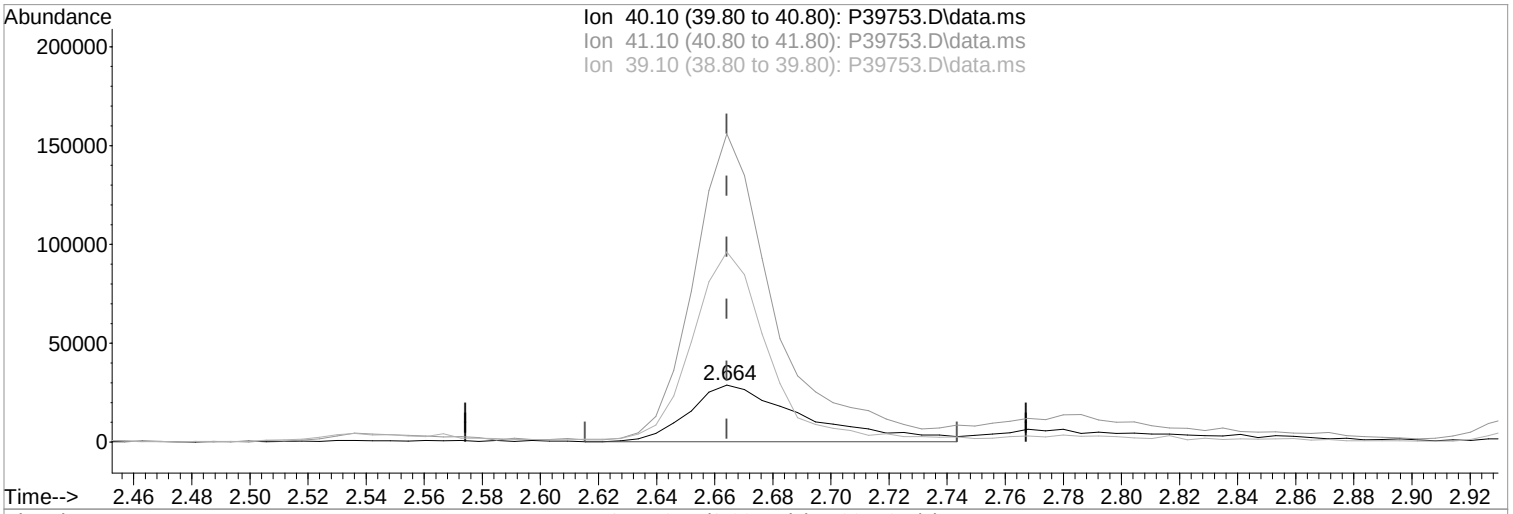
09/18/20

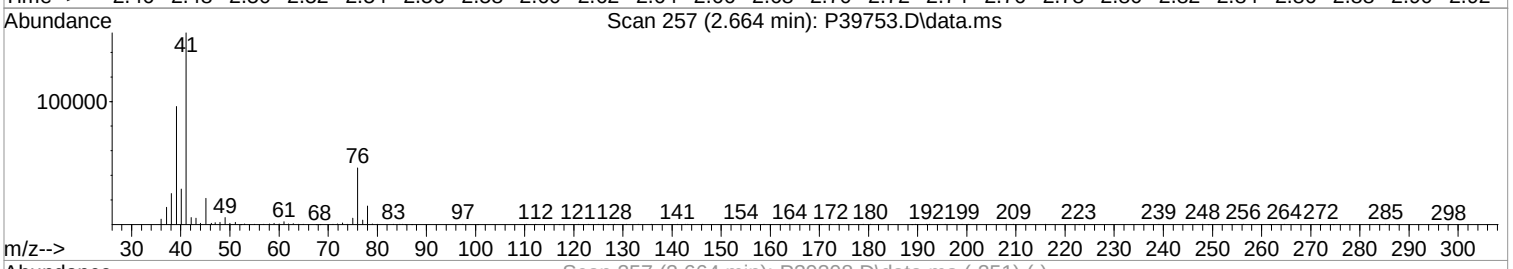
1st 09/18/20
2nd 09/22/20

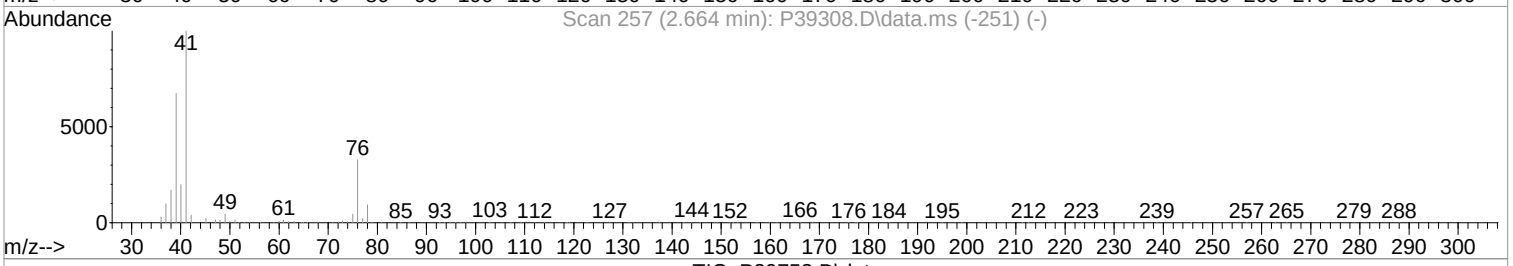
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(19) Acetonitrile

2.664min (-0.000) 664.80 ppb

response 79656

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	540.50#
39.10	343.30	333.10
0.00	0.00	0.00

Manual Integration:

Before

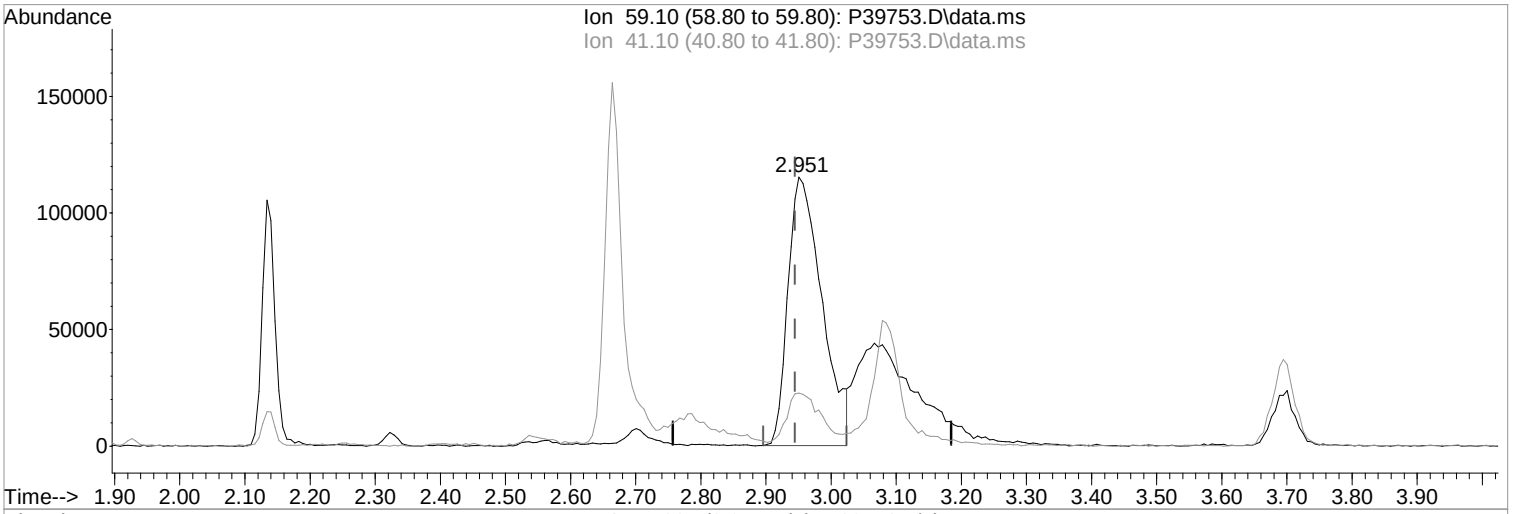
09/18/20

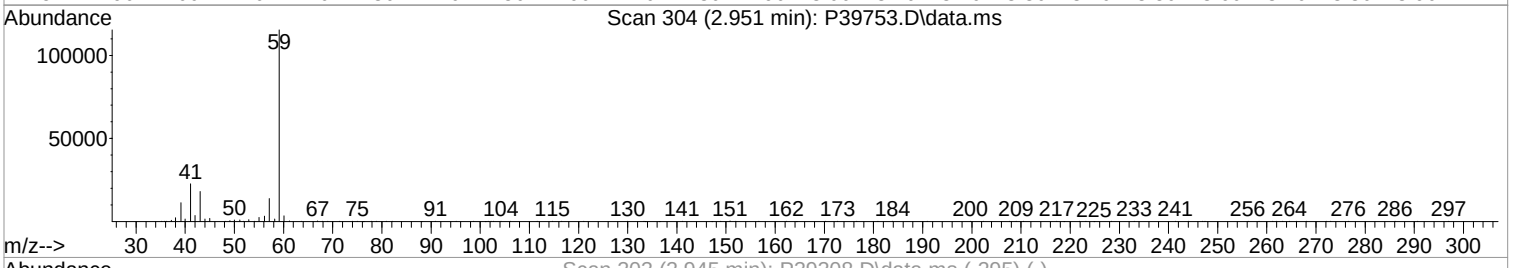
1st 09/18/20
2nd 09/22/20

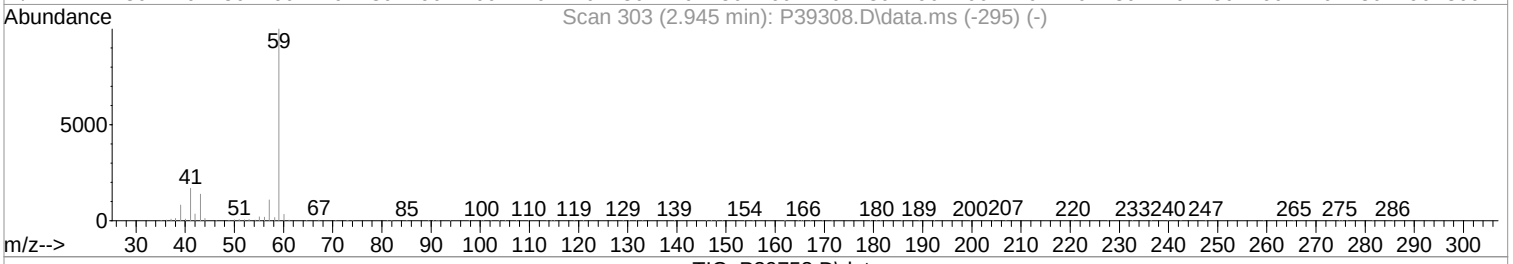
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(23) TBA

2.951min (+0.006) 600.55 ppb

response 418826

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	19.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

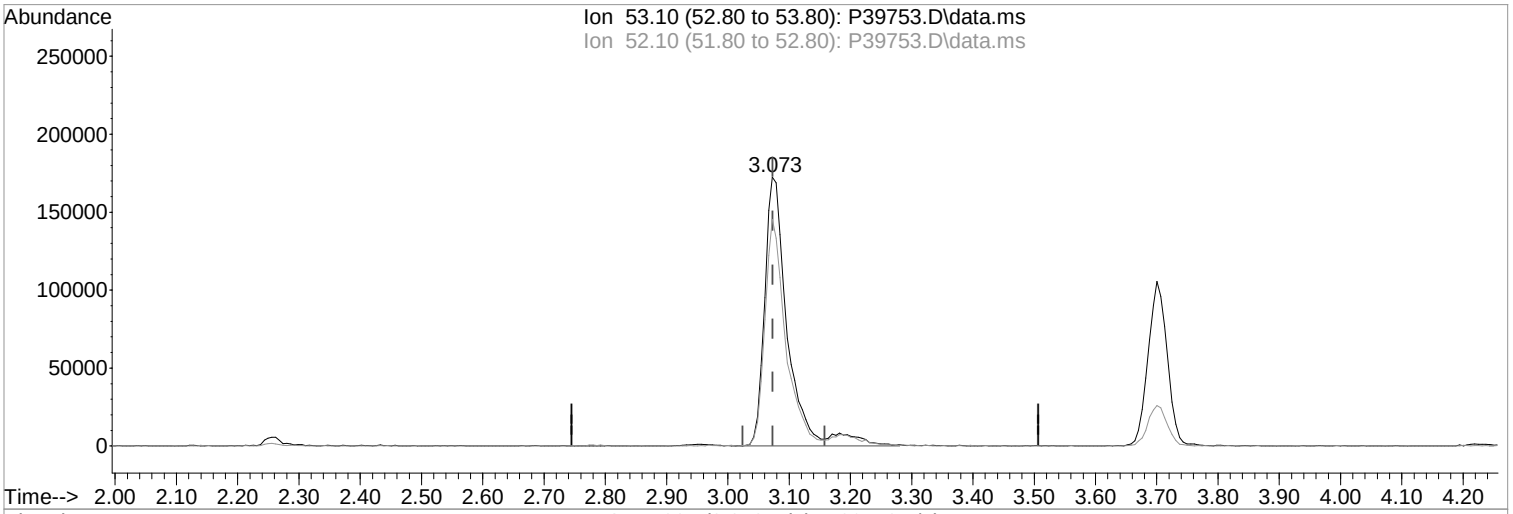
09/18/20

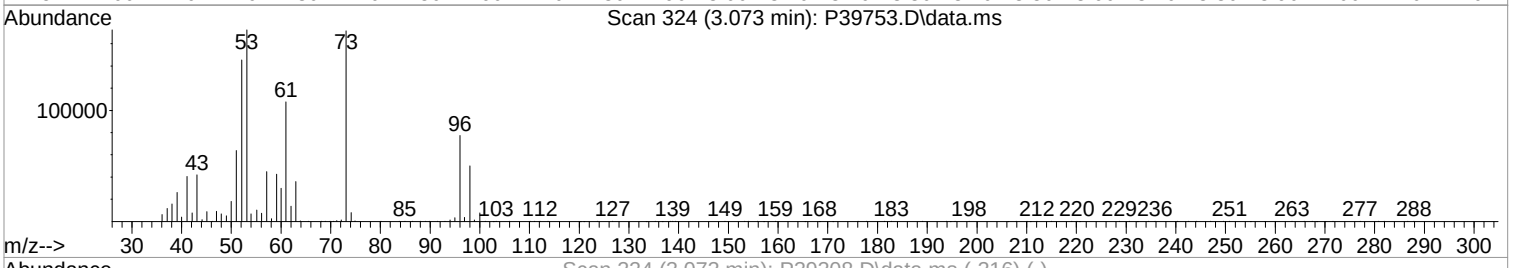
1st 09/18/20
2nd 09/22/20

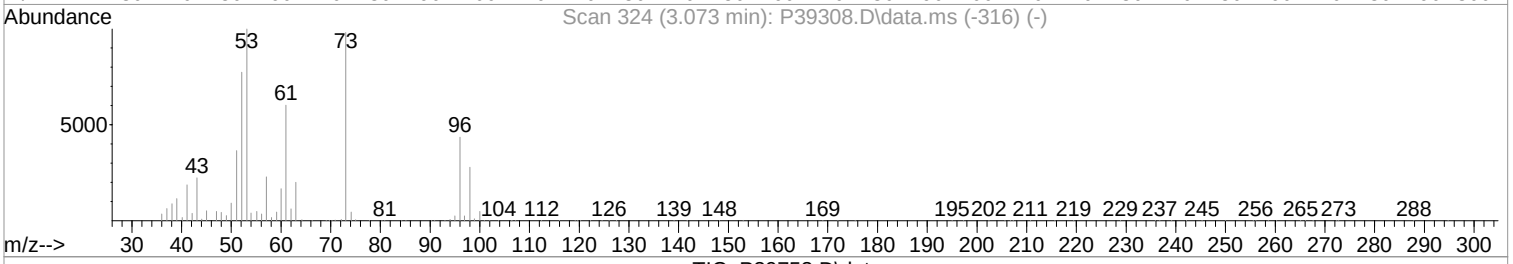
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(24) Acrylonitrile

3.073min (-0.000) 275.37 ppb m

response 457533

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	84.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

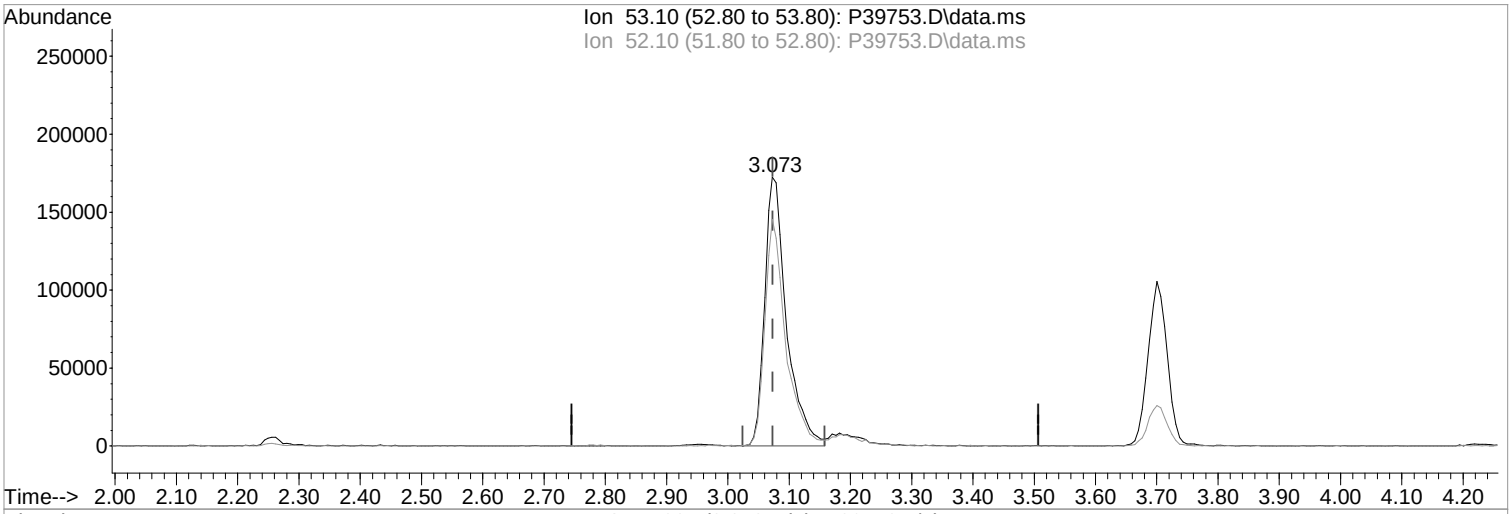
09/18/20

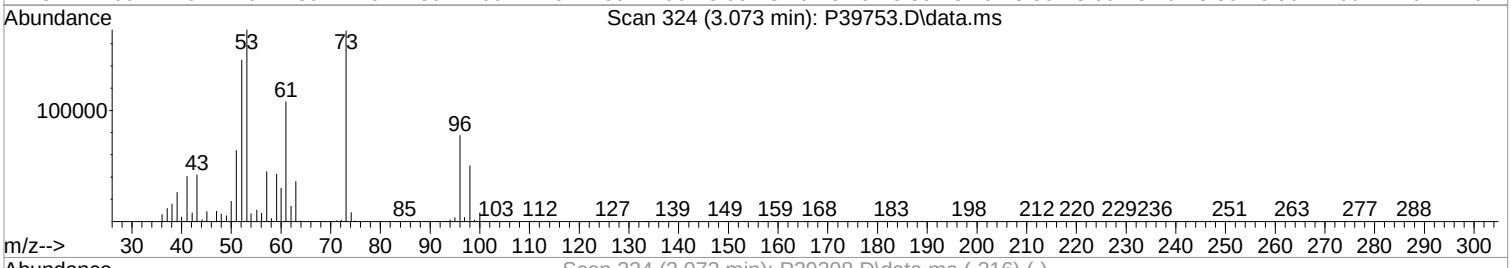
1st 09/18/20
2nd 09/22/20

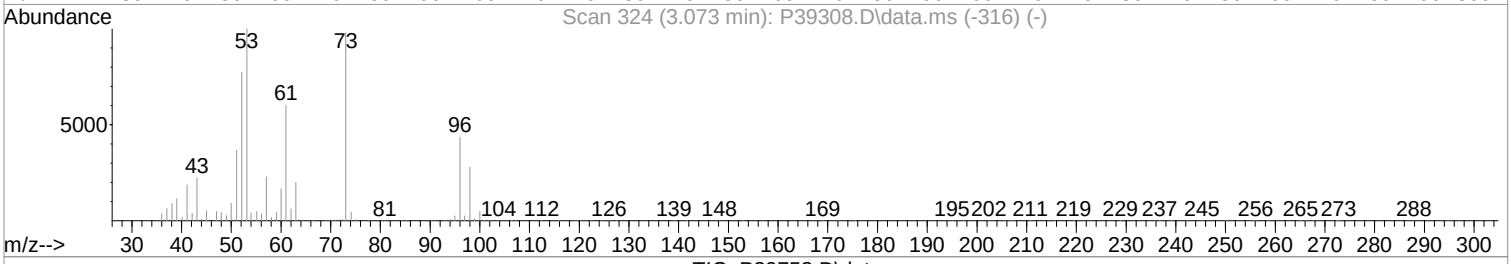
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(24) Acrylonitrile

3.073min (-0.000) 256.67 ppb

response 426465

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	84.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

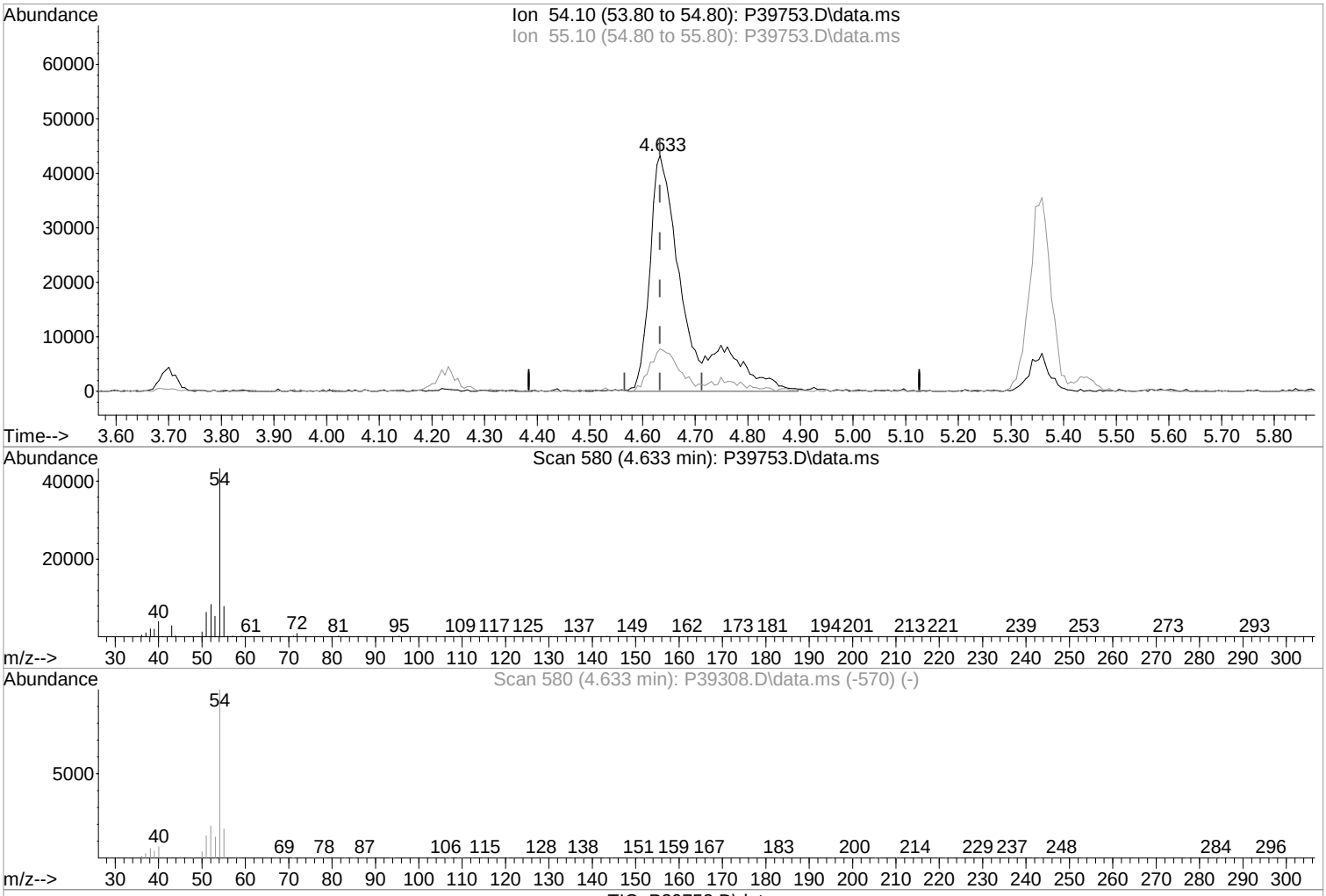
09/18/20

1st 09/18/20
2nd 09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration



TIC: P39753.D\data.ms

(36) Propionitrile

4.633min (-0.000) 256.15 ppb m

response 202294

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	18.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

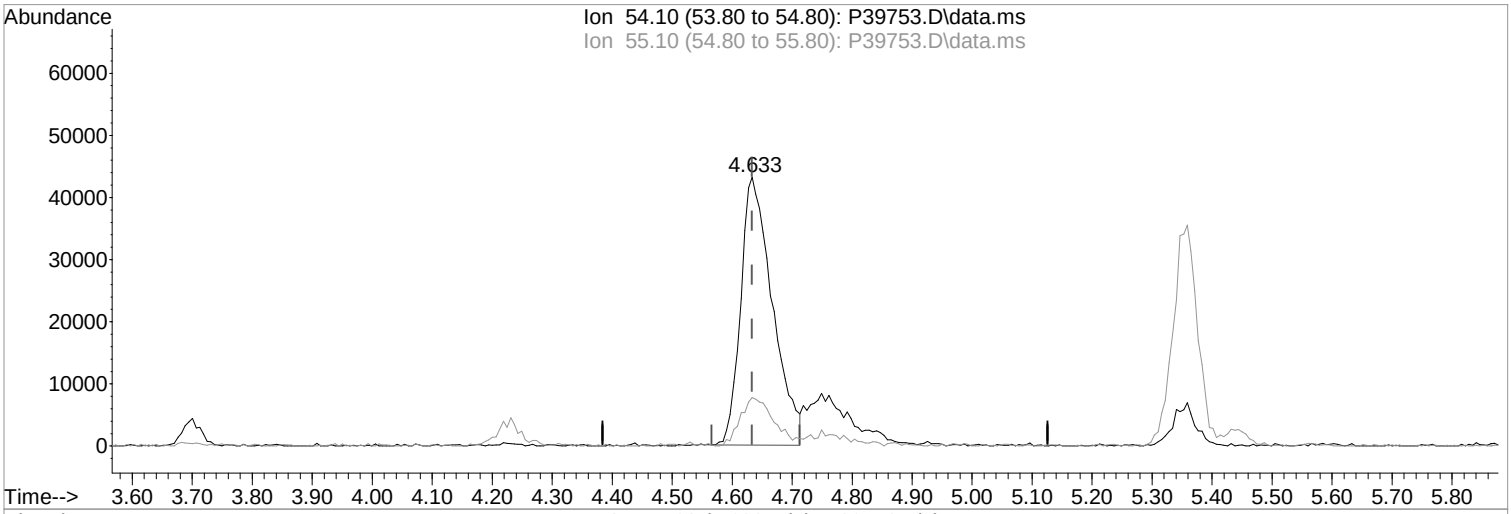
Poor integration.

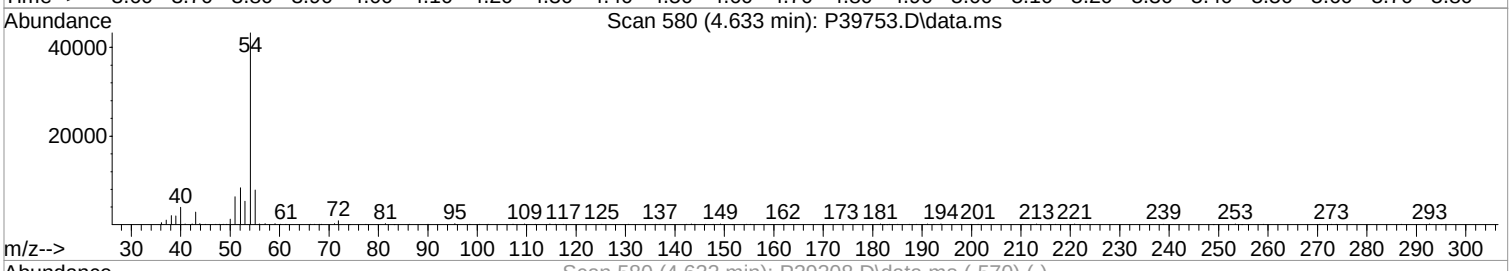
09/18/20

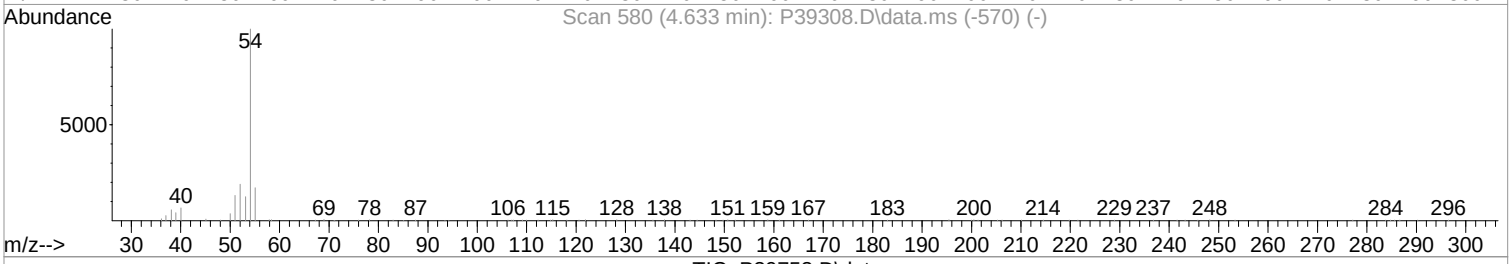
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 09:45:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration







TIC: P39753.D\data.ms

(36) Propionitrile

4.633min (-0.000) 200.42 ppb

response 158281

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	18.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.0000	50.0000	0.0	92	0.00
2	P	Dichlorodifluoromethane	50.0000	46.8826	6.2	85	0.00
3	P	Chloromethane	50.0000	50.7941	-1.6	95	0.00
4	P	Vinyl Chloride	50.0000	52.9426	-5.9	94	0.00
5	P	Bromomethane	50.0000	52.6540	-5.3	93	0.00
6	P	Chloroethane	50.0000	61.6317	-23.3#	113	0.00
7		Freon 21	50.0000	56.8056	-13.6	106	0.00
8	P	Trichlorofluoromethane	50.0000	49.1786	1.6	94	0.00
9		Diethyl Ether	50.0000	50.4947	-1.0	97	0.00
10		Freon 123a	50.0000	53.1942	-6.4	103	0.00
11		Freon 123	50.0000	53.6229	-7.2	103	0.00
12		Acrolein	250.0000	194.7450	22.1#	74	0.00
13	P	1,1-Diclethene	50.0000	50.2910	-0.6	94	0.00
14	P	Freon 113	50.0000	51.4976	-3.0	94	0.00
15	P	Acetone	50.0000	45.2018	9.6	91	0.00
16		2-Propanol	1000.0000	1046.4158	-4.6	96	0.02
17		Iodomethane	50.0000	47.9387	4.1	105	0.00
18	P	Carbon Disulfide	50.0000	44.7401	10.5	84	0.00
19		Acetonitrile	250.0000	263.5956	-5.4	84	0.00
20		Allyl Chloride	50.0000	48.9982	2.0	91	0.00
21	P	Methyl Acetate	50.0000	56.1086	-12.2	111	0.00
22	P	Methylene Chloride	50.0000	53.0610	-6.1	102	0.00
23		TBA	1000.0000	1027.2085	-2.7	95	0.00
24		Acrylonitrile	250.0000	275.3732	-10.1	100	0.00
25	P	Methyl-t-Butyl Ether	50.0000	54.5097	-9.0	101	0.00
26	P	trans-1,2-Dichloroethene	50.0000	51.4361	-2.9	95	0.00
27		Halothane	-1.0000	0.0000	0.0	0	-4.18#
28	P	1,1-Diclethane	50.0000	55.8479	-11.7	100	0.00
29		Vinyl Acetate	50.0000	42.9360	14.1	74	0.00
30		DIPE	50.0000	51.4486	-2.9	97	0.00
31		2-Chloro-1,3-Butadiene	50.0000	47.4477	5.1	91	0.00
32		ETBE	50.0000	54.0718	-8.1	95	0.00
33		2,2-Dichloropropane	50.0000	49.4861	1.0	87	0.00
34	P	cis-1,2-Dichloroethene	50.0000	53.6682	-7.3	99	0.00
35	P	2-Butanone	50.0000	48.9102	2.2	94	0.00
36		Propionitrile	250.0000	256.1530	-2.5	98	0.00
37		Bromochloromethane	50.0000	51.4371	-2.9	91	0.00
38		Methacrylonitrile	50.0000	51.5391	-3.1	103	0.00
39		Tetrahydrofuran	50.0000	47.2060	5.6	90	0.00
40	P	Chloroform	50.0000	52.4162	-4.8	100	0.00
41	P	1,1,1-Trichloroethane	50.0000	49.1258	1.7	90	0.00
42		TAME	50.0000	53.2466	-6.5	95	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	103	0.00
44	P	Cyclohexane	50.0000	48.3806	3.2	103	0.00
45	s	surr4,Dibrflmethane	50.0000	48.3876	3.2	97	0.00
46	P	Carbontetrachloride	50.0000	44.0833	11.8	84	0.00
47		1,1-Dichloropropene	50.0000	48.8938	2.2	96	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	49.0513	1.9	102	0.00
49	P	Benzene	50.0000	48.7257	2.5	99	0.00
50	P	1,2-Dichloroethane	50.0000	48.7689	2.5	102	0.00
51		Iso-Butyl Alcohol	1000.0000	1095.7435	-9.6	117	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		n-Heptane	50.0000	44.6458	10.7	95	0.00
53		1-Butanol	2500.0000	2664.9294	-6.6	108	0.00
54	P	Trichloroethene	50.0000	46.9264	6.1	98	0.00
55	P	Methylcyclohexane	50.0000	51.7646	-3.5	100	0.00
56	P	1,2-Diclpropane	50.0000	48.6168	2.8	100	0.00
57		Dibromomethane	50.0000	46.5657	6.9	100	0.00
58		1,4-Dioxane	1000.0000	920.1391	8.0	92	0.00
59		Methyl Methacrylate	50.0000	48.1165	3.8	99	0.00
60	P	Bromodichloromethane	50.0000	45.1607	9.7	94	0.00
61		2-Nitropropane	-1.0000	0.0000	0.0	82	0.00
62		2-Chloroethylvinyl Ether	50.0000	48.4835	3.0	99	0.00
63	P	cis-1,3-Dichloropropene	50.0000	49.2301	1.5	97	0.00
64	P	4-Methyl-2-pentanone	50.0000	47.8676	4.3	97	0.00
65	s	SURR3,Toluene-d8	50.0000	50.7746	-1.5	103	0.00
66	P	Toluene	50.0000	49.3316	1.3	99	0.00
67	P	trans-1,3-Dichloropropene	50.0000	48.6122	2.8	94	0.00
68		Ethyl Methacrylate	50.0000	47.5705	4.9	97	0.00
69	P	1,1,2-Trichloroethane	50.0000	50.2817	-0.6	101	0.00
70	s	SURR2,BFB	50.0000	50.7143	-1.4	102	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	102	0.00
72	P	Tetrachloroethene	50.0000	42.5957	14.8	86	0.00
73	P	2-Hexanone	50.0000	46.9049	6.2	95	0.00
74		1,3-Dichloropropane	50.0000	49.5057	1.0	103	0.00
75	P	Dibromochloromethane	50.0000	45.5548	8.9	85	0.00
76		N-Butyl Acetate	50.0000	48.0370	3.9	97	0.00
77	P	1,2-Dibromoethane	50.0000	46.7525	6.5	99	0.00
78	P	Chlorobenzene	50.0000	48.6313	2.7	95	0.00
79		3-CBTF	50.0000	42.0904	15.8	85	0.00
80		4-CBTF	50.0000	42.8370	14.3	85	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	45.5798	8.8	88	0.00
82	P	Ethylbenzene	50.0000	48.7272	2.5	95	0.00
83	P	(m+p)Xylene	100.0000	101.2328	-1.2	97	0.00
84	P	o-Xylene	50.0000	49.5170	1.0	98	0.00
85	P	Styrene	50.0000	50.0002	-0.0	95	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	96	0.00
87	P	Bromoform	50.0000	42.6536	14.7	77	0.00
88		2-CBTF	50.0000	46.0463	7.9	88	0.00
89	P	Isopropylbenzene	50.0000	50.7229	-1.4	93	0.00
90		Cyclohexanone	1000.0000	982.6919	1.7	93	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	50.4206	-0.8	92	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	50.6606	-1.3	93	0.00
93		Bromobenzene	50.0000	46.5828	6.8	88	0.00
94		1,2,3-Trichloropropane	50.0000	50.6965	-1.4	97	0.00
95		n-Propylbenzene	50.0000	54.0163	-8.0	97	0.00
96		2-Chlorotoluene	50.0000	50.7771	-1.6	98	0.00
97		3-Chlorotoluene	50.0000	51.2359	-2.5	97	0.00
98		4-Chlorotoluene	50.0000	50.6865	-1.4	98	0.00
99		1,3,5-Trimethylbenzene	50.0000	51.5832	-3.2	94	0.00
100		tert-Butylbenzene	50.0000	50.2588	-0.5	92	0.00
101		1,2,4-Trimethylbenzene	50.0000	52.4017	-4.8	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		3,4-DCBTF	50.0000	42.3061	15.4	80	0.00
103		sec-Butylbenzene	50.0000	52.2181	-4.4	94	0.00
104		p-Isopropyltoluene	50.0000	51.6882	-3.4	91	0.00
105	P	1,3-Dclbenz	50.0000	49.7364	0.5	92	0.00
106	P	1,4-Dclbenz	50.0000	47.7012	4.6	92	0.00
107		2,4-DCBTF	50.0000	43.4952	13.0	81	0.00
108		2,5-DCBTF	50.0000	43.5453	12.9	81	0.00
109		n-Butylbenzene	50.0000	53.6891	-7.4	95	0.00
110	P	1,2-Dclbenz	50.0000	48.7806	2.4	93	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	44.5122	11.0	78	0.00
112		Trielution Dichlorotoluene	150.0000	147.5358	1.6	90	0.00
113		1,3,5 Trichlorobenzene	50.0000	44.5520	10.9	81	0.00
114		Coelution Dichlorotoluene	100.0000	100.5786	-0.6	89	0.00
115	P	1,2,4-Tcbenzene	50.0000	47.3689	5.3	85	0.00
116		Hexachlorobt	50.0000	39.2479	21.5#	72	0.00
117		Naphthalen	50.0000	53.1938	-6.4	91	0.00
118		1,2,3-Tclbenzene	50.0000	46.3761	7.2	83	0.00
119		2,4,5-Trichlorotolene	50.0000	43.1060	13.8	76	0.00
120		2,3,6-Trichlorotoluene	50.0000	43.6929	12.6	78	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	311465	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	521122	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	477688	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	249058	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	148015	48.39	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.78%				
48) surr1,1,2-dichloroetha...	5.846	65	200306	49.05	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.10%				
65) SURR3,Toluene-d8	8.315	98	705911	50.77	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.54%				
70) SURR2,BFB	10.870	95	273475	50.71	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	192799	46.88	ppb		98
3) Chloromethane	1.317	50	216234	50.79	ppb		99
4) Vinyl Chloride	1.396	62	273228	52.94	ppb		98
5) Bromomethane	1.634	94	228968	52.65	ppb		97
6) Chloroethane	1.707	64	233103	61.63	ppb		100
7) Freon 21	1.853	67	330513	56.81	ppb		97
8) Trichlorofluoromethane	1.896	101	240215	49.18	ppb		99
9) Diethyl Ether	2.134	59	143886	50.49	ppb		96
10) Freon 123a	2.146	67	178893	53.19	ppb		94
11) Freon 123	2.201	83	209366	53.62	ppb		97
12) Acrolein	2.256	56	157928	194.74	ppb		91
13) 1,1-Diclethene	2.323	96	115457	50.29	ppb	#	83
14) Freon 113	2.323	101	133338	51.50	ppb		92
15) Acetone	2.396	43	67776	45.20	ppb		94
16) 2-Propanol	2.554	45	390096m	1046.42	ppb		
17) Iodomethane	2.463	142	172238	47.94	ppb		91
18) Carbon Disulfide	2.518	76	353399	44.74	ppb		99
19) Acetonitrile	2.664	40	31584m	263.60	ppb		
20) Allyl Chloride	2.664	76	74267	49.00	ppb	#	89
21) Methyl Acetate	2.701	43	173122	56.11	ppb		99
22) Methylene Chloride	2.792	84	162553	53.06	ppb		98
23) TBA	2.951	59	716382m	1027.21	ppb		
24) Acrylonitrile	3.073	53	457533m	275.37	ppb		
25) Methyl-t-Butyl Ether	3.085	73	573840	54.51	ppb		100
26) trans-1,2-Dichloroethene	3.073	96	137002	51.44	ppb		100
28) 1,1-Diclethane	3.585	63	284393	55.85	ppb		98
29) Vinyl Acetate	3.688	86	28103	42.94	ppb	#	86
30) DIPE	3.694	45	453787	51.45	ppb		96
31) 2-Chloro-1,3-Butadiene	3.701	53	229294	47.45	ppb		98
32) ETBE	4.225	59	488432	54.07	ppb		96
33) 2,2-Dichloropropane	4.426	77	228846	49.49	ppb		99
34) cis-1,2-Dichloroethene	4.438	96	172767	53.67	ppb		93
35) 2-Butanone	4.517	43	99190	48.91	ppb		89
36) Propionitrile	4.633	54	202294m	256.15	ppb		
37) Bromochloromethane	4.847	130	106835	51.44	ppb		90
38) Methacrylonitrile	4.883	67	97436	51.54	ppb		94
39) Tetrahydrofuran	4.944	42	68174	47.21	ppb		94
40) Chloroform	5.030	83	280484	52.42	ppb		96
41) 1,1,1-Trichloroethane	5.298	97	237111	49.13	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.127	73	513596	53.25	ppb		99
44) Cyclohexane	5.353	41	150062	48.38	ppb		91
46) Carbontetrachloride	5.560	117	179595	44.08	ppb		92
47) 1,1-Dichloropropene	5.578	75	217477	48.89	ppb		96
49) Benzene	5.901	78	672799	48.73	ppb		98
50) 1,2-Dichloroethane	5.962	62	241214	48.77	ppb		95
51) Iso-Butyl Alcohol	5.968	43	241658	1095.74	ppb		95
52) n-Heptane	6.352	43	176997	44.65	ppb		96
53) 1-Butanol	6.913	56	426150	2664.93	ppb	#	65
54) Trichloroethene	6.834	130	182549	46.93	ppb		95
55) Methylcyclohexane	7.047	55	221435	51.76	ppb		95
56) 1,2-Diclpropane	7.133	63	170345	48.62	ppb		97
57) Dibromomethane	7.273	93	111254	46.57	ppb		89
58) 1,4-Dioxane	7.352	88	76952	920.14	ppb		90
59) Methyl Methacrylate	7.352	69	166080	48.12	ppb		96
60) Bromodichloromethane	7.499	83	208510	45.16	ppb		98
62) 2-Chloroethylvinyl Ether	7.901	63	108992	48.48	ppb		93
63) cis-1,3-Dichloropropene	8.029	75	273709	49.23	ppb		97
64) 4-Methyl-2-pentanone	8.242	43	222670	47.87	ppb		99
66) Toluene	8.389	91	778621	49.33	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	260200	48.61	ppb		98
68) Ethyl Methacrylate	8.797	69	282496	47.57	ppb		99
69) 1,1,2-Trichloroethane	8.858	97	173232	50.28	ppb		98
72) Tetrachloroethene	8.968	164	124811	42.60	ppb		97
73) 2-Hexanone	9.151	43	164597	46.90	ppb		99
74) 1,3-Dichloropropane	9.023	76	303262	49.51	ppb		96
75) Dibromochloromethane	9.248	129	148879	45.55	ppb		97
76) N-Butyl Acetate	9.291	43	344658	48.04	ppb		99
77) 1,2-Dibromoethane	9.346	107	171911	46.75	ppb		94
78) Chlorobenzene	9.821	112	489560	48.63	ppb		96
79) 3-CBTF	9.840	180	231087	42.09	ppb		97
80) 4-CBTF	9.894	180	206840	42.84	ppb		94
81) 1,1,1,2-Tetrachloroethane	9.913	131	157353	45.58	ppb		97
82) Ethylbenzene	9.937	106	270358	48.73	ppb		92
83) (m+p)Xylene	10.047	106	676828	101.23	ppb		99
84) o-Xylene	10.407	106	332181	49.52	ppb		96
85) Styrene	10.425	104	567300	50.00	ppb		100
87) Bromoform	10.583	173	93016	42.65	ppb		93
88) 2-CBTF	10.656	180	237144	46.05	ppb		97
89) Isopropylbenzene	10.736	105	833028	50.72	ppb		99
90) Cyclohexanone	10.827	55	894298	982.69	ppb		99
91) trans-1,4-Dichloro-2-B...	11.059	53	69317	50.42	ppb		86
92) 1,1,2,2-Tetrachloroethane	11.010	83	236117	50.66	ppb		98
93) Bromobenzene	10.992	156	205682	46.58	ppb		93
94) 1,2,3-Trichloropropane	11.041	110	88932	50.70	ppb	#	87
95) n-Propylbenzene	11.089	91	1013527	54.02	ppb		99
96) 2-Chlorotoluene	11.156	91	622289	50.78	ppb		98
97) 3-Chlorotoluene	11.211	91	619062	51.24	ppb		100
98) 4-Chlorotoluene	11.248	91	705665	50.69	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	738355	51.58	ppb		99
100) tert-Butylbenzene	11.510	119	611202	50.26	ppb		97
101) 1,2,4-Trimethylbenzene	11.553	105	746303	52.40	ppb		100
102) 3,4-DCBTF	11.614	214	177381	42.31	ppb		99
103) sec-Butylbenzene	11.693	105	904175	52.22	ppb		99
104) p-Isopropyltoluene	11.815	119	772964	51.69	ppb		98
105) 1,3-Dclbenz	11.778	146	414853	49.74	ppb		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.857	146	419728	47.70	ppb	98
107) 2,4-DCBTF	11.906	214	162699	43.50	ppb	96
108) 2,5-DCBTF	11.949	214	187923	43.55	ppb	96
109) n-Butylbenzene	12.144	91	722155	53.69	ppb	99
110) 1,2-Dclbenz	12.156	146	419691	48.78	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.790	157	60038	44.51	ppb	91
112) Trielution Dichlorotol...	12.894	125	1137011	147.54	ppb	95
113) 1,3,5 Trichlorobenzene	12.943	180	284374	44.55	ppb	97
114) Coelution Dichlorotoluene	13.223	125	838980	100.58	ppb	98
115) 1,2,4-Tcbenzene	13.430	180	307656	47.37	ppb	97
116) Hexachlorobt	13.558	225	100767	39.25	ppb	98
117) Naphthalen	13.625	128	1059719	53.19	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	304176	46.38	ppb	98
119) 2,4,5-Trichlorotolene	14.387	159	204423	43.11	ppb	93
120) 2,3,6-Trichlorotoluene	14.473	159	186725	43.69	ppb	97

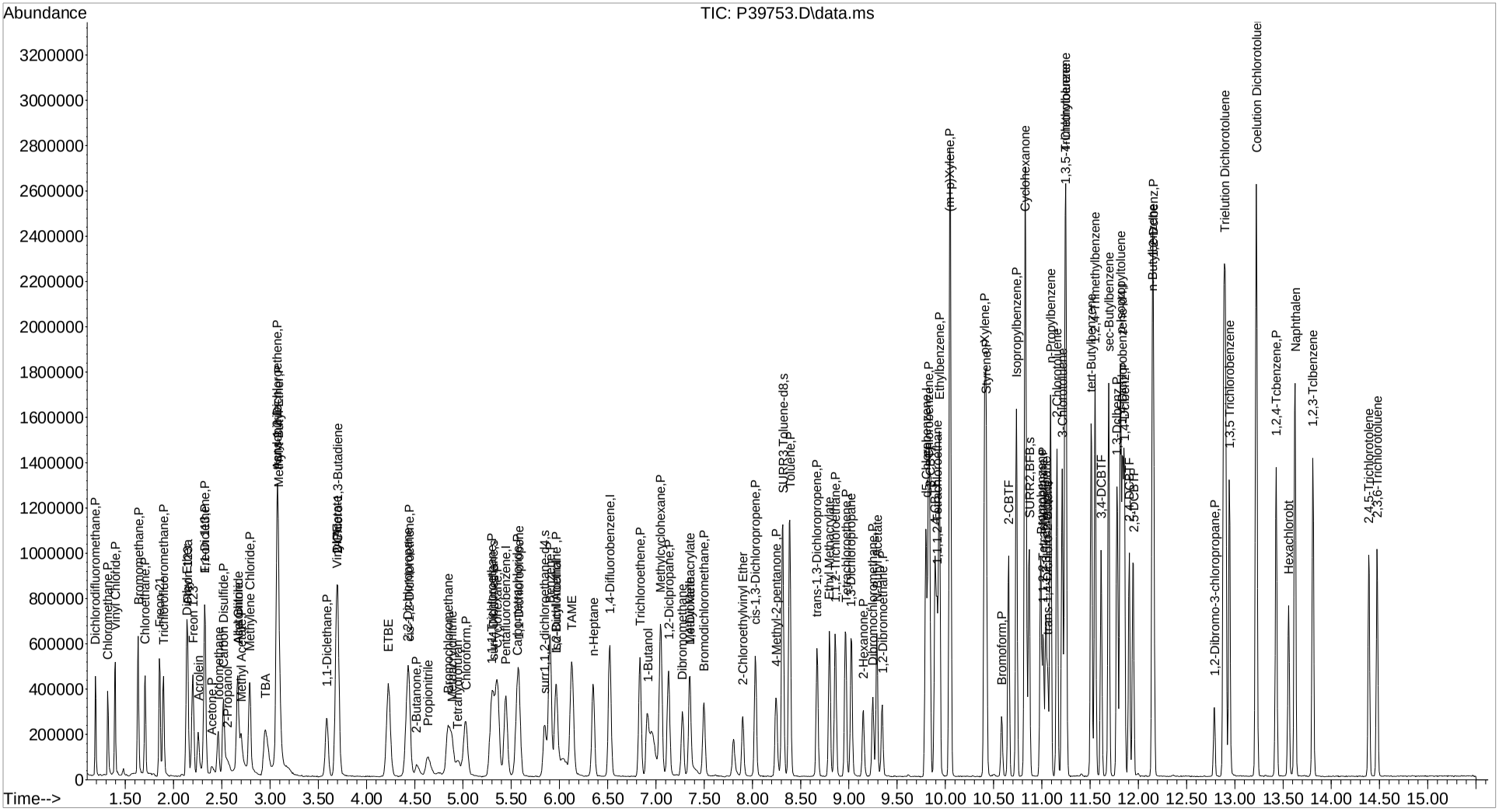
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 10:01:29 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Sat Sep 05 10:27:50 2020
Response via : Initial Calibration

09/18/20 1st
09/22/20 2nd

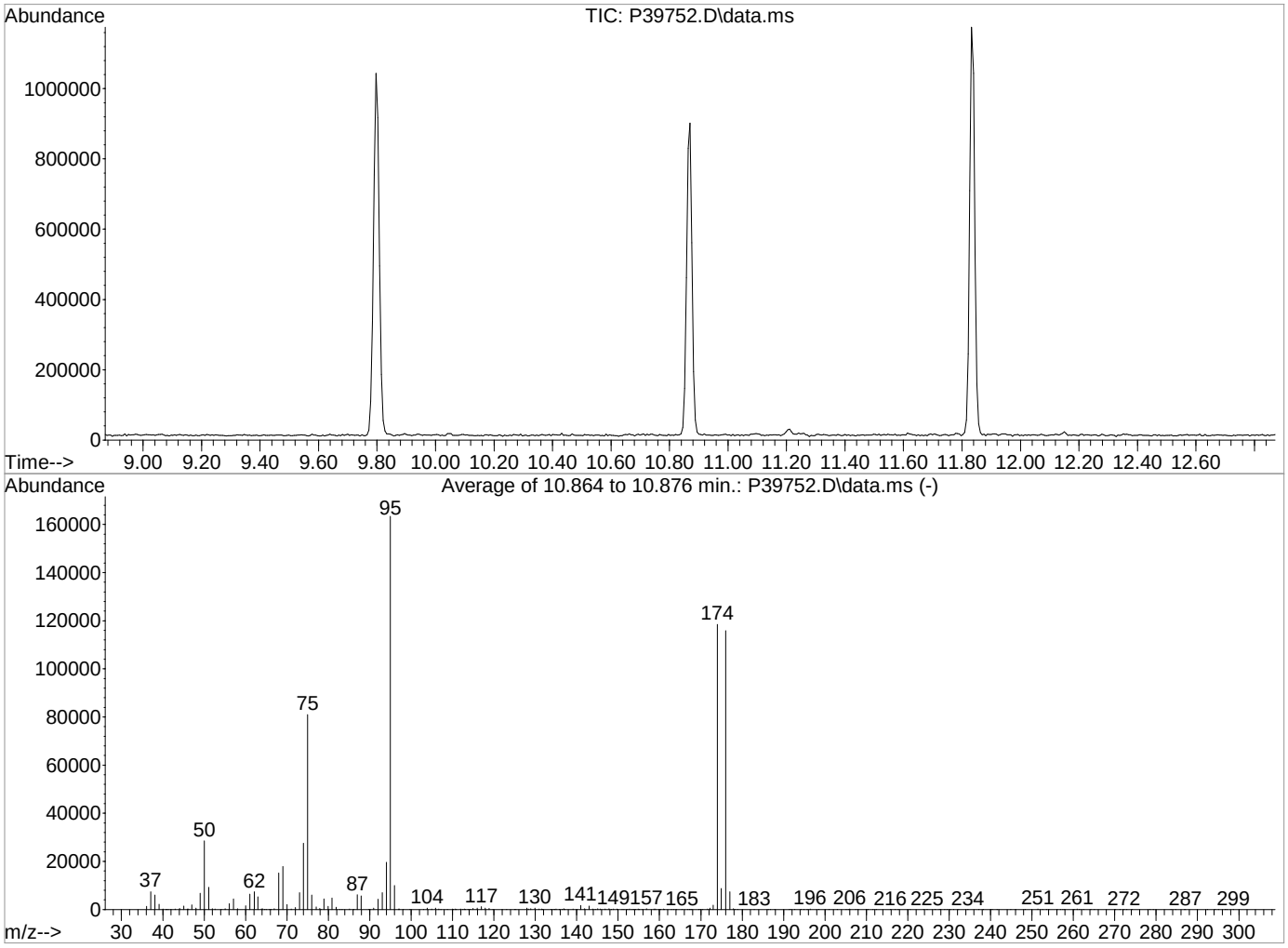


1st 09/18/20
2nd 09/22/20

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39752.D
Acq On : 17 Sep 2020 8:36 pm
Operator : K.Ruest
Sample : TUNE Inst : MSVOA-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Sat Sep 05 10:27:50 2020



AutoFind: Scans 1602, 1603, 1604; Background Corrected with Scan 1593

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	28487	PASS
75	95	30	60	49.6	81029	PASS
95	95	100	100	100.0	163443	PASS
96	95	5	9	6.1	9964	PASS
173	174	0.00	2	1.5	1792	PASS
174	95	50	120	72.5	118416	PASS
175	174	5	9	7.4	8754	PASS
176	174	95	101	97.8	115824	PASS
177	176	5	9	6.3	7328	PASS

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood **Calibration Date:** 9/4/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000132 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2000132-01	0.5ppb	I:\ACQUDATA\msvoa12\Data\090420\P39297.D	09/04/2020 12:13
02	RC2000132-02	1.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39298.D	09/04/2020 12:35
03	RC2000132-03	2.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39299.D	09/04/2020 12:57
04	RC2000132-04	5.0ppb	I:\ACQUDATA\msvoa12\Data\090420\P39300.D	09/04/2020 13:18
05	RC2000132-05	20ppb	I:\ACQUDATA\msvoa12\Data\090420\P39301.D	09/04/2020 13:40
06	RC2000132-06	100ppb	I:\ACQUDATA\msvoa12\Data\090420\P39303.D	09/04/2020 14:24
07	RC2000132-07	150ppb	I:\ACQUDATA\msvoa12\Data\090420\P39304.D	09/04/2020 14:46
08	RC2000132-08	200ppb	I:\ACQUDATA\msvoa12\Data\090420\P39305.D	09/04/2020 15:08
09	RC2000132-09	50ppb	I:\ACQUDATA\msvoa12\Data\090420\P39308.D	09/04/2020 16:13

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.978	02	1.000	0.7976	03	2.000	0.7097	04	5.000	0.7419
05	20.000	0.7617	09	50.000	0.785	06	100.000	0.7596	07	150.000	0.7403
08	200.000	0.6996									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7589	02	1.000	0.9497	03	2.000	0.7861	04	5.000	0.7703
05	20.000	0.8716	09	50.000	0.8407	06	100.000	0.8156	07	150.000	0.8024
08	200.000	0.7619									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3882	02	1.000	0.4192	03	2.000	0.3488	04	5.000	0.3887
05	20.000	0.3647	09	50.000	0.3634	06	100.000	0.3573	07	150.000	0.351
08	200.000	0.3356									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5656	05	20.000	0.4613	09	50.000	0.5318	06	100.000	0.5148
07	200.000	0.5135									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3126	05	20.000	0.2674	09	50.000	0.301	06	100.000	0.2978
07	200.000	0.2886									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3835	03	2.000	0.2871	04	5.000	0.2794	05	20.000	0.3108
09	50.000	0.311	06	100.000	0.2918	07	150.000	0.3009	08	200.000	0.2893

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood **Calibration Date:** 9/4/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000132 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.491	05	20.000	1.229	09	50.000	1.356	06	100.000	1.331
07	200.000	1.262									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4561	02	1.000	0.4036	03	2.000	0.361	04	5.000	0.3603
05	20.000	0.3795	09	50.000	0.3676	06	100.000	0.3453	07	150.000	0.356
08	200.000	0.3297									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.89	02	1.000	0.8552	03	2.000	0.7893	04	5.000	0.7578
05	20.000	0.9149	09	50.000	0.8627	06	100.000	0.8546	07	150.000	0.7869
08	200.000	0.7447									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.6199	03	2.000	0.5154	04	5.000	0.4833	05	20.000	0.5192
09	50.000	0.5168	06	100.000	0.5118	07	150.000	0.5019	08	200.000	0.4661

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4973	02	1.000	0.506	03	2.000	0.4019	04	5.000	0.3744
05	20.000	0.4342	09	50.000	0.4263	06	100.000	0.4095	07	150.000	0.4108
08	200.000	0.3879									

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood **Calibration Date:** 9/4/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000132 **Signal ID:** 1
Instrument ID: R-MS-12

		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	10.6	≤20	0.7748	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.6	≤20	0.8175	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.0	≤20	0.3685	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.3	≤20	0.5174	
Dibromofluoromethane	SURR	Average RF	% RSD	5.8	≤20	0.2935	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.8	≤20	0.3067	0.200
Toluene-d8	SURR	Average RF	% RSD	7.6	≤20	1.334	
Trichloroethene (TCE)	TRG	Average RF	% RSD	10.0	≤20	0.3732	0.200
Vinyl Chloride	TRG	Average RF	% RSD	7.3	≤20	0.8285	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	8.8	≤20	0.5168	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	10.7	≤20	0.4276	0.100

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:** R2008512
Project: Dover - Kirkwood **Calibration Date:** 9/4/2020

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000132 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2000132-10	ICV-50	I:\ACQUDATA\msvoa12\Data\090420\P39310.D	09/04/2020 16:57

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.7	7.748E-1	7.398E-1	-4.522	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.7	8.175E-1	7.969E-1	-2.513	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	54.5	3.685E-1	4.015E-1	8.95	±30	Average RF
Tetrachloroethene (PCE)	50.0	47.8	3.067E-1	2.934E-1	-4.324	±30	Average RF
Trichloroethene (TCE)	50.0	46.4	3.732E-1	3.462E-1	-7.255	±30	Average RF
Vinyl Chloride	50.0	46.6	8.285E-1	7.725E-1	-6.761	±30	Average RF
cis-1,2-Dichloroethene	50.0	48.8	5.168E-1	5.041E-1	-2.462	±30	Average RF
trans-1,2-Dichloroethene	50.0	52.2	4.276E-1	4.464E-1	4.40	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	49.7	5.174E-1	5.145E-1	-0.551	±30	Average RF
Dibromofluoromethane	50.0	50.0	2.935E-1	2.937E-1	0.062	±30	Average RF
Toluene-d8	50.0	49.4	1.334E0	1.319E0	-1.156	±30	Average RF

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

Service Request: R2008512
Date Analyzed: 09/17/20 20:58

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa12\Data\091720\P39753.D\
Signal ID: 1

Calibration Date: 9/4/2020
Calibration ID: RC2000132
Analysis Lot: 695489
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.1	0.7748	0.7613	-1.7	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	55.8	0.8175	0.9131	11.7	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.3	0.3685	0.3707	0.6	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	42.6	0.3067	0.2613	-14.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	46.9	0.3732	0.3503	-6.1	NA	±20	Average RF
Vinyl Chloride	50.0	52.9	0.8285	0.8772	5.9	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	53.7	0.5168	0.5547	7.3	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	51.4	0.4276	0.4399	2.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.7	0.5174	0.5248	1.4	NA	±20	Average RF
Dibromofluoromethane	50.0	48.4	0.2935	0.284	-3.2	NA	±20	Average RF
Toluene-d8	50.0	50.8	1.3339	1.3546	1.5	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**695489
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\091720\P39752.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	20:36:00	
I:\ACQUDATA\msvoa12\Data\091720\P39753.D\	Continuing Calibration Verification	RQ2010894-02	9/17/2020	20:58:00	
I:\ACQUDATA\msvoa12\Data\091720\P39754.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	21:19:00	
I:\ACQUDATA\msvoa12\Data\091720\P39755.D\	Lab Control Sample	RQ2010894-04	9/17/2020	21:41:00	
I:\ACQUDATA\msvoa12\Data\091720\P39757.D\	Method Blank	RQ2010894-05	9/17/2020	22:25:00	
I:\ACQUDATA\msvoa12\Data\091720\P39758.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	22:47:00	
I:\ACQUDATA\msvoa12\Data\091720\P39759.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	23:09:00	
I:\ACQUDATA\msvoa12\Data\091720\P39760.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	23:31:00	
I:\ACQUDATA\msvoa12\Data\091720\P39761.D\	ZZZZZZZ	ZZZZZZZ	9/17/2020	23:52:00	
I:\ACQUDATA\msvoa12\Data\091720\P39762.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	00:14:00	
I:\ACQUDATA\msvoa12\Data\091720\P39763.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	00:36:00	
I:\ACQUDATA\msvoa12\Data\091720\P39764.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	00:58:00	
I:\ACQUDATA\msvoa12\Data\091720\P39765.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	01:20:00	
I:\ACQUDATA\msvoa12\Data\091720\P39766.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	01:42:00	
I:\ACQUDATA\msvoa12\Data\091720\P39767.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	02:04:00	
I:\ACQUDATA\msvoa12\Data\091720\P39768.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	02:25:00	
I:\ACQUDATA\msvoa12\Data\091720\P39769.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	02:47:00	
I:\ACQUDATA\msvoa12\Data\091720\P39770.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	03:09:00	
I:\ACQUDATA\msvoa12\Data\091720\P39772.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	03:53:00	
I:\ACQUDATA\msvoa12\Data\091720\P39773.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	04:15:00	
I:\ACQUDATA\msvoa12\Data\091720\P39774.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	04:37:00	
I:\ACQUDATA\msvoa12\Data\091720\P39775.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	04:58:00	
I:\ACQUDATA\msvoa12\Data\091720\P39776.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	05:20:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008512
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**695489
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\091720\P39777.D\	MP-13 09152020	R2008512-007	9/18/2020	05:42:00	
I:\ACQUDATA\msvoa12\Data\091720\P39778.D\	MP-11 09152020	R2008512-002	9/18/2020	06:04:00	
I:\ACQUDATA\msvoa12\Data\091720\P39779.D\	MP-12 09152020	R2008512-005	9/18/2020	06:26:00	
I:\ACQUDATA\msvoa12\Data\091720\P39780.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	06:48:00	
I:\ACQUDATA\msvoa12\Data\091720\P39781.D\	ZZZZZZZ	ZZZZZZZ	9/18/2020	07:10:00	

Analysis: 8260 Waters | Analyst: K. Quest | pH strips: 221419 | Tune Method: W0910120

Date: 9/17/2020 Run#2 | Balance ID: N/A | ResCl strips: N/A | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 177417 | LIMS Run#: 695489

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
24	TUNE		RQ2010894.01					P39752	Y	(amb)
25	CCV		02					P39753	Y	
26	LCS.FP		03					P39754	Y	
27	LCS.UNP		04					P39755	Y	11 DCE ↑
28	BLK		—					P39756	(N)	note/b
29	MBLK.UNP		05					P39757	Y	
30	MBLK.FP		06					P39758	Y	
31	R2008511.001	1.0		6646	4	1	12	P39759	Y	
32	009	1.0				1	12	P39760	Y	
33	003	1.0				1	12	P39761	Y	
34	004	1.0				1	12	P39762	Y	
35	005	1.0				1	12	P39763	Y	
36	007	1.0				1	12	P39764	Y	
37	008	1.0				1	12	P39765	Y	
38	011	1.0				1	12	P39766	Y	
39	006	1.0	(7mL)			1	(7)	P39767	Y	(purple)
40	012	1.0	↓			1	(7)	P39768	Y	↓
41	010	5.0	10/50mls			1	12	P39769	(Y)	not 10 dis/12DCE
42	002	10	5/50mls (7mL)	↓	↓	1	—	P39770	Y	~~Foamy~~ dil for dark purple matrix (KD)
43	BLK					—	—	P39771	—	
44	R2008512.003	1.0		6646	4	1	12	P39772	Y	
45	004	1.0				1	12	P39773	Y	
46	006	1.0				1	12	P39774	Y	
47	008	1.0				1	12	P39775	Y	
48	009	1.0				1	12	P39776	Y	
49	007	1.0	(7mL)	↓		1	(7)	P39777	Y	
50	002	10	5/50mls	7979		1	—	P39778	Y	dil for dark purple matrix
51	005	10	↓	↓	↓	1	—	P39779	Y	↓
52	R2008511.005	1.0	MS	6646	4	2	12	P39780	YQ	
53	↓ 005	1.0	MSD	↓	↓	3	12	P39781	YQ	7:10
54	BLK					—	—	P39782	—	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

500 Primary Oct: 211502
Primary Fr: 212280
Primary T6: 212278
Primary HSL: 212279
Primary:

5mL + 50mls = CCV

200 Secondary Fr: 211481.5ul
500 Secondary Oct: 211504
Secondary T6: 212050
Secondary HSL: 212140
Secondary:

2mL

50mls = LCS

-10.6mL
4.2mL ✓
42 mL vial = MS/D

Combined IS/Surr:
Surrogate 50: 212475
Internal Std 50: 212476
Reagents:

September 29, 2020 Service Request No:R2008604

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 17, 2020
For your reference, these analyses have been assigned our service request number **R2008604.**

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: R2008604
Date Received: 09/17/2020

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:

Fourteen water samples were received for analysis at ALS Environmental on 09/17/2020. 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, R2008604-010: Sample(s) required dilution due to the foaming nature of the matrix. The reporting limits are adjusted to reflect the dilution.

Approved by _____ Date 09/29/2020

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-7A 09162020			Lab ID: R2008604-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	38		0.21	1.0	ug/L	8260C

CLIENT ID: MW-2 09162020			Lab ID: R2008604-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	11		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	4.4		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	4.0		0.23	1.0	ug/L	8260C

CLIENT ID: MW-3 09162020			Lab ID: R2008604-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	5.6		0.21	1.0	ug/L	8260C

CLIENT ID: MW-26 09162020			Lab ID: R2008604-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	11		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	1.5		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	1.9		0.23	1.0	ug/L	8260C

CLIENT ID: MP-6S 09162020			Lab ID: R2008604-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	360		0.53	2.5	ug/L	8260C
Trichloroethene (TCE)	2.1	J	0.50	2.5	ug/L	8260C
cis-1,2-Dichloroethene	2.4	J	0.58	2.5	ug/L	8260C

CLIENT ID: MW-38 09162020			Lab ID: R2008604-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	76		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	5.9		0.20	1.0	ug/L	8260C
Vinyl Chloride	0.25	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	3.7		0.23	1.0	ug/L	8260C

CLIENT ID: MW-19 09162020			Lab ID: R2008604-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	10		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	3.8		0.20	1.0	ug/L	8260C
Vinyl Chloride	0.24	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	5.4		0.23	1.0	ug/L	8260C

CLIENT ID: MW-16 09162020			Lab ID: R2008604-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	3.5		0.21	1.0	ug/L	8260C

CLIENT ID: MW-17 09162020			Lab ID: R2008604-012			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	0.62	J	0.21	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: DUP 09162020			Lab ID: R2008604-014			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	8.0		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	3.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	4.8		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:**R2008604
Project: Dover - Kirkwood/5101.0002

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2008604-001	TB 09162020	9/16/2020	
R2008604-002	MW-7A 09162020	9/16/2020	0940
R2008604-003	MP-8S 09162020	9/16/2020	0940
R2008604-004	MW-2 09162020	9/16/2020	0950
R2008604-005	MW-3 09162020	9/16/2020	1115
R2008604-006	MW-26 09162020	9/16/2020	1130
R2008604-007	MP-6S 09162020	9/16/2020	1205
R2008604-008	MW-38 09162020	9/16/2020	1235
R2008604-009	MW-19 09162020	9/16/2020	1245
R2008604-010	MW-28 09162020	9/16/2020	1530
R2008604-011	MW-16 09162020	9/16/2020	1535
R2008604-012	MW-17 09162020	9/16/2020	1600
R2008604-014	DUP 09162020	9/16/2020	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

003696

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: S101.0002
Project Manager: Sarah Maccarter	Report CC:
Company/Address: Verina Consulting Group, 1011 US Hwy 22, Bridgewater NJ	
Phone #: 908 864 4400	Email: smaccarter@verg-llc.com
Sampler's Signature:	Sampler's Printed Name: Rita DeAlmeida

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	GCMS VOAs • 8260 • 624 • CLP	GCMS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	SSPL VOCs	SSPL VOCs							REMARKS/ ALTERNATE DESCRIPTION
TB 091620		09/16/20	—	TB								X								
MW-7A 091620			0940	GW									X							
MP-8S 091620			0940	GW									X							
MW-2 091620			0950	GW								X								
MW-3 091620			1115	GW									X							
MW-26 091620			1130	GW								X								
MP-6S 091620			1205	GW								X								
MW-38 091620			1235	GW								X								
MW-19 091620			1245	GW								X								
MW-28 091620			1530	GW									X							
MW-16 091620			1535	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 VOCs: PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, 1,1-DCA, 1,1,1-TCA, VC

*Samples w/ none preservative have thiosulfate

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

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
X 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 # S101.0002
BILL TO: Verina

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature	Signature	Signature	Signature
Printed Name: Rita DeAlmeida	Printed Name:	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Verina	Firm: AW	Firm	Firm	Firm	Firm
Date/Time: 9/16/2020 1530	Date/Time: 9/17/2020 0900	Date/Time	Date/Time	Date/Time	Date/Time

R2008604 5
Verina Consulting Group, LLC
Dover - Kirkwood

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

003695

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Project Name: Dover - Kirkwood	Project Number: 5101.0002
Project Manager: Sarah Maccarter	Report CC:
Company/Address: Verina 1011 US Hwy 22 Bridgewater NJ	
Phone #: 908 864 4400	Email: SMaccarter@VCG-HC.com
Sampler's Signature:	Sampler's Printed Name: R. Ta D.

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 | 1 | 1 | 0

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	SSPL VOCs	SSPL VOCs
MW-17 091620		9/16/20	1600	GW		X	
FB 091620		"	1630	FB		X	
DUP 091620		"	—	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 _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals

SSPL VOCs: PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, 1,1-DCA, 1,1,1-TCA, VC.

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

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
X 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 # 5101.0002
BILL TO: Verina

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	
Printed Name: R. Ta D.	Printed Name	Printed Name	Printed Name	Printed Name	
Firm: Verina	Firm: ALS	Firm	Firm	Firm	
Date/Time: 9/16/2020 1800	Date/Time: 9/17/2020 0900	Date/Time	Date/Time	Date/Time	

R2008604 5
Verina Consulting Group, LLC
Dover - Kirkwood

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

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R2008604 5
Verina Consulting Group, LLC
Dover - Kirkwood

Cooler Receipt and Preservation Check Form

Project/Client Verina Folder Number

Cooler received on 9/17/2020 by: @ **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: 9/17/2020 Time: 0926 ID: IR#7 (IR#10) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	4.3						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location: Room by @ on 9/17/2020 at 0930
5035 samples placed in storage location: by on at within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/18/2020 Time: 1319 by: @

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A 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: 0-132-001, 70715-C26/16
Explain all Discrepancies/ Other Comments:

Headspace: MW-13 (1) vials
Dup- (1)
MW-28 (2)
Trip Blank (3)

did not receive FB location)
rec'd unp. VOC's for MW-16

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by:
PC Secondary Review: JWU 9/22/20

*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:** R2008604
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2008604-001.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1022	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
R2008604-001.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-001.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-002.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/21/2020	1102	R-001-S10 / FNAEGLER	
R2008604-002.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-002.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-003.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/21/2020	1037	In Lab / FNAEGLER	
		9/21/2020	1102	R-001-S10 / FNAEGLER	
R2008604-003.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-003.03					
		9/18/2020	1320	SMO / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-004.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1022	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008604-004.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-004.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-005.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/21/2020	1037	In Lab / FNAEGLER	
		9/21/2020	1102	R-001-S10 / FNAEGLER	
R2008604-005.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-005.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-006.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1022	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008604-006.02					

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-006.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-007.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1023	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
R2008604-007.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-007.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-008.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1023	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008604-008.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-008.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-009.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1023	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008604-009.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-009.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-010.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1023	In Lab / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008604-010.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-010.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-011.01					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-011.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-011.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2008604-011.04					
	8260C				
		9/18/2020	1336	SMO / GLAFORCE	
		9/21/2020	1037	In Lab / FNAEGLER	
		9/21/2020	1102	R-001-S10 / FNAEGLER	
R2008604-011.05					
		9/18/2020	1336	SMO / GLAFORCE	
R2008604-011.06					
		9/18/2020	1336	SMO / GLAFORCE	
R2008604-012.01					
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1023	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008604-012.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-012.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-013.01					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-013.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-013.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-014.01					

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
		9/22/2020	1023	In Lab / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
R2008604-014.02					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / GLAFORCE	
R2008604-014.03					
		9/18/2020	1320	SMO / GLAFORCE	
		9/18/2020	1329	R-001 / 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:** R2008604
Project: Dover - Kirkwood/5101.0002

Sample Name: TB 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-001 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-7A 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-002 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-8S 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-003 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-2 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-004 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-3 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-005 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood/5101.0002

Sample Name: MW-26 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-006 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-6S 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-007 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-38 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-008 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-19 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-009 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-28 09162020 **Date Collected:** 09/16/20
Lab Code: R2008604-010 **Date Received:** 09/17/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002		

Sample Name:	MW-16 09162020	**Date Collected:**	09/16/20
Lab Code:	R2008604-011	**Date Received:**	09/17/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	MW-17 09162020	**Date Collected:**	09/16/20
Lab Code:	R2008604-012	**Date Received:**	09/17/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	DUP 09162020	**Date Collected:**	09/16/20
Lab Code:	R2008604-014	**Date Received:**	09/17/20
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
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Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	TB 09162020	**Units:**	ug/L
Lab Code:	R2008604-001	**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	09/24/20 16:30	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 16:30	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 16:30	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 16:30	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 16:30	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 16:30	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 16:30	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 16:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/24/20 16:30	
Dibromofluoromethane	104	89 - 119	09/24/20 16:30	
Toluene-d8	104	87 - 121	09/24/20 16:30	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 09:50
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-2 09162020	**Units:**	ug/L
Lab Code:	R2008604-004	**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	09/24/20 16:51	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 16:51	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 16:51	
Tetrachloroethene (PCE)	**11**	1.0	0.21	1	09/24/20 16:51	
Trichloroethene (TCE)	**4.4**	1.0	0.20	1	09/24/20 16:51	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 16:51	
cis-1,2-Dichloroethene	**4.0**	1.0	0.23	1	09/24/20 16:51	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 16:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/24/20 16:51	
Dibromofluoromethane	104	89 - 119	09/24/20 16:51	
Toluene-d8	107	87 - 121	09/24/20 16:51	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 11:30
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-26 09162020	**Units:**	ug/L
Lab Code:	R2008604-006	**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	09/24/20 17:13	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 17:13	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 17:13	
Tetrachloroethene (PCE)	**11**	1.0	0.21	1	09/24/20 17:13	
Trichloroethene (TCE)	**1.5**	1.0	0.20	1	09/24/20 17:13	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 17:13	
cis-1,2-Dichloroethene	**1.9**	1.0	0.23	1	09/24/20 17:13	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 17:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/24/20 17:13	
Dibromofluoromethane	97	89 - 119	09/24/20 17:13	
Toluene-d8	103	87 - 121	09/24/20 17:13	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 12:05
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MP-6S 09162020	**Units:**	ug/L
Lab Code:	R2008604-007	**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)	2.5	U	2.5	0.50	2.5	09/24/20 19:02	
1,1-Dichloroethane (1,1-DCA)	2.5	U	2.5	0.50	2.5	09/24/20 19:02	
1,1-Dichloroethene (1,1-DCE)	2.5	U	2.5	0.50	2.5	09/24/20 19:02	
Tetrachloroethene (PCE)	**360**		2.5	0.53	2.5	09/24/20 19:02	
Trichloroethene (TCE)	**2.1**	**J**	2.5	0.50	2.5	09/24/20 19:02	
Vinyl Chloride	2.5	U	2.5	0.50	2.5	09/24/20 19:02	
cis-1,2-Dichloroethene	**2.4**	**J**	2.5	0.58	2.5	09/24/20 19:02	
trans-1,2-Dichloroethene	2.5	U	2.5	0.50	2.5	09/24/20 19:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/24/20 19:02	
Dibromofluoromethane	107	89 - 119	09/24/20 19:02	
Toluene-d8	107	87 - 121	09/24/20 19:02	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 12:35
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-38 09162020	**Units:**	ug/L
Lab Code:	R2008604-008	**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	09/24/20 19:24	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 19:24	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 19:24	
Tetrachloroethene (PCE)	**76**	1.0	0.21	1	09/24/20 19:24	
Trichloroethene (TCE)	**5.9**	1.0	0.20	1	09/24/20 19:24	
Vinyl Chloride	**0.25 J**	1.0	0.20	1	09/24/20 19:24	
cis-1,2-Dichloroethene	**3.7**	1.0	0.23	1	09/24/20 19:24	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 19:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/24/20 19:24	
Dibromofluoromethane	109	89 - 119	09/24/20 19:24	
Toluene-d8	108	87 - 121	09/24/20 19:24	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 12:45
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-19 09162020	**Units:**	ug/L
Lab Code:	R2008604-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/24/20 17:35	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/24/20 17:35	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/24/20 17:35	
Tetrachloroethene (PCE)	**10**		1.0	0.21	1	09/24/20 17:35	
Trichloroethene (TCE)	**3.8**		1.0	0.20	1	09/24/20 17:35	
Vinyl Chloride	**0.24**	**J**	1.0	0.20	1	09/24/20 17:35	
cis-1,2-Dichloroethene	**5.4**		1.0	0.23	1	09/24/20 17:35	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/24/20 17:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/24/20 17:35	
Dibromofluoromethane	103	89 - 119	09/24/20 17:35	
Toluene-d8	104	87 - 121	09/24/20 17:35	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 15:30
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-28 09162020	**Units:**	ug/L
Lab Code:	R2008604-010	**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	09/24/20 17:57	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1.0	5	09/24/20 17:57	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1.0	5	09/24/20 17:57	
Tetrachloroethene (PCE)	5.0 U	5.0	1.1	5	09/24/20 17:57	
Trichloroethene (TCE)	5.0 U	5.0	1.0	5	09/24/20 17:57	
Vinyl Chloride	5.0 U	5.0	1.0	5	09/24/20 17:57	
cis-1,2-Dichloroethene	5.0 U	5.0	1.2	5	09/24/20 17:57	
trans-1,2-Dichloroethene	5.0 U	5.0	1.0	5	09/24/20 17:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/24/20 17:57	
Dibromofluoromethane	102	89 - 119	09/24/20 17:57	
Toluene-d8	100	87 - 121	09/24/20 17:57	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 16:00
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-17 09162020	**Units:**	ug/L
Lab Code:	R2008604-012	**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	09/24/20 18:19	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 18:19	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 18:19	
Tetrachloroethene (PCE)	**0.62 J**	1.0	0.21	1	09/24/20 18:19	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 18:19	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 18:19	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 18:19	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 18:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/24/20 18:19	
Dibromofluoromethane	106	89 - 119	09/24/20 18:19	
Toluene-d8	107	87 - 121	09/24/20 18:19	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	DUP 09162020	**Units:**	ug/L
Lab Code:	R2008604-014	**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	09/24/20 18:41	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 18:41	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 18:41	
Tetrachloroethene (PCE)	**8.0**	1.0	0.21	1	09/24/20 18:41	
Trichloroethene (TCE)	**3.1**	1.0	0.20	1	09/24/20 18:41	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 18:41	
cis-1,2-Dichloroethene	**4.8**	1.0	0.23	1	09/24/20 18:41	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 18:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/24/20 18:41	
Dibromofluoromethane	102	89 - 119	09/24/20 18:41	
Toluene-d8	105	87 - 121	09/24/20 18:41	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 09:40
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-7A 09162020	**Units:**	ug/L
Lab Code:	R2008604-002	**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)	1.0 U	1.0	0.20	1	09/21/20 17:38	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 17:38	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 17:38	
Tetrachloroethene (PCE)	**38**	1.0	0.21	1	09/21/20 17:38	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 17:38	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 17:38	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 17:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 17:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/21/20 17:38	
Dibromofluoromethane	101	89 - 119	09/21/20 17:38	
Toluene-d8	106	87 - 121	09/21/20 17:38	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 09:40
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MP-8S 09162020	**Units:**	ug/L
Lab Code:	R2008604-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 19:06	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 19:06	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 19:06	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 19:06	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 19:06	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 19:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 19:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 19:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	09/21/20 19:06	
Dibromofluoromethane	108	89 - 119	09/21/20 19:06	
Toluene-d8	111	87 - 121	09/21/20 19:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 11:15
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-3 09162020	**Units:**	ug/L
Lab Code:	R2008604-005	**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	09/21/20 19:27	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 19:27	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 19:27	
Tetrachloroethene (PCE)	**5.6**	1.0	0.21	1	09/21/20 19:27	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 19:27	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 19:27	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 19:27	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 19:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	09/21/20 19:27	
Dibromofluoromethane	103	89 - 119	09/21/20 19:27	
Toluene-d8	112	87 - 121	09/21/20 19:27	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 15:35
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-16 09162020	**Units:**	ug/L
Lab Code:	R2008604-011	**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	09/21/20 19:49	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 19:49	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 19:49	
Tetrachloroethene (PCE)	**3.5**	1.0	0.21	1	09/21/20 19:49	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 19:49	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 19:49	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 19:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 19:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	09/21/20 19:49	
Dibromofluoromethane	109	89 - 119	09/21/20 19:49	
Toluene-d8	112	87 - 121	09/21/20 19:49	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: Verina Consulting Group, LLC **Service Request:** R2008604
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 89-119	Toluene-d8 87-121
TB 09162020	R2008604-001	95	104	104
MW-2 09162020	R2008604-004	99	104	107
MW-26 09162020	R2008604-006	93	97	103
MP-6S 09162020	R2008604-007	102	107	107
MW-38 09162020	R2008604-008	100	109	108
MW-19 09162020	R2008604-009	97	103	104
MW-28 09162020	R2008604-010	97	102	100
MW-17 09162020	R2008604-012	99	106	107
DUP 09162020	R2008604-014	99	102	105
Method Blank	RQ2011255-04	91	99	101
Lab Control Sample	RQ2011255-03	100	104	103

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/24/20 12:08
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2011255-04
Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\092420\T2145.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 696421

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2011255-03	I:\ACQUDATA\msvoa10\data\092420\T2142.D\	09/24/20 10:55
TB 09162020	R2008604-001	I:\ACQUDATA\msvoa10\data\092420\T2157.D\	09/24/20 16:30
MW-2 09162020	R2008604-004	I:\ACQUDATA\msvoa10\data\092420\T2158.D\	09/24/20 16:51
MW-26 09162020	R2008604-006	I:\ACQUDATA\msvoa10\data\092420\T2159.D\	09/24/20 17:13
MW-19 09162020	R2008604-009	I:\ACQUDATA\msvoa10\data\092420\T2160.D\	09/24/20 17:35
MW-28 09162020	R2008604-010	I:\ACQUDATA\msvoa10\data\092420\T2161.D\	09/24/20 17:57
MW-17 09162020	R2008604-012	I:\ACQUDATA\msvoa10\data\092420\T2162.D\	09/24/20 18:19
DUP 09162020	R2008604-014	I:\ACQUDATA\msvoa10\data\092420\T2163.D\	09/24/20 18:41
MP-6S 09162020	R2008604-007	I:\ACQUDATA\msvoa10\data\092420\T2164.D\	09/24/20 19:02
MW-38 09162020	R2008604-008	I:\ACQUDATA\msvoa10\data\092420\T2165.D\	09/24/20 19:24

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2011255-04	**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	09/24/20 12:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 12:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 12:08	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 12:08	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 12:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 12:08	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 12:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 12:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	09/24/20 12:08	
Dibromofluoromethane	99	89 - 119	09/24/20 12:08	
Toluene-d8	101	87 - 121	09/24/20 12:08	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/24/20 10:55
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2011255-03
Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\092420\T2142.D\

Analysis Method: 8260C
Prep Method: EPA 5030C
Analysis Lot: 696421

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2011255-04	I:\ACQUDATA\msvoa10\data\092420\T2145.D\	09/24/20 12:08
TB 09162020	R2008604-001	I:\ACQUDATA\msvoa10\data\092420\T2157.D\	09/24/20 16:30
MW-2 09162020	R2008604-004	I:\ACQUDATA\msvoa10\data\092420\T2158.D\	09/24/20 16:51
MW-26 09162020	R2008604-006	I:\ACQUDATA\msvoa10\data\092420\T2159.D\	09/24/20 17:13
MW-19 09162020	R2008604-009	I:\ACQUDATA\msvoa10\data\092420\T2160.D\	09/24/20 17:35
MW-28 09162020	R2008604-010	I:\ACQUDATA\msvoa10\data\092420\T2161.D\	09/24/20 17:57
MW-17 09162020	R2008604-012	I:\ACQUDATA\msvoa10\data\092420\T2162.D\	09/24/20 18:19
DUP 09162020	R2008604-014	I:\ACQUDATA\msvoa10\data\092420\T2163.D\	09/24/20 18:41
MP-6S 09162020	R2008604-007	I:\ACQUDATA\msvoa10\data\092420\T2164.D\	09/24/20 19:02
MW-38 09162020	R2008604-008	I:\ACQUDATA\msvoa10\data\092420\T2165.D\	09/24/20 19:24

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

Service Request: R2008604
Date Analyzed: 09/24/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2011255-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	16.8	20.0	84	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	19.4	20.0	97	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.0	20.0	100	71-118
Tetrachloroethene (PCE)	8260C	15.7	20.0	78	72-125
Trichloroethene (TCE)	8260C	16.5	20.0	83	74-122
Vinyl Chloride	8260C	22.2	20.0	111	74-159
cis-1,2-Dichloroethene	8260C	18.5	20.0	93	80-121
trans-1,2-Dichloroethene	8260C	20.1	20.0	100	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/20 09:42

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\092420\T2140.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 696421

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	25.62	41898	Pass
75	95	30	60	54.18	88597	Pass
95	95	100	100	100.00	163533	Pass
96	95	5	9	5.90	9648	Pass
173	174	0	2	0.87	1221	Pass
174	95	50	120	85.34	139556	Pass
175	174	5	9	8.48	11836	Pass
176	174	95	101	97.64	136264	Pass
177	176	5	9	7.23	9850	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2011255-02	I:\ACQUDATA\msvoa10\data\092420\T2141.D\	09/24/20 10:15	
Lab Control Sample	RQ2011255-03	I:\ACQUDATA\msvoa10\data\092420\T2142.D\	09/24/20 10:55	
Method Blank	RQ2011255-04	I:\ACQUDATA\msvoa10\data\092420\T2145.D\	09/24/20 12:08	
TB 09162020	R2008604-001	I:\ACQUDATA\msvoa10\data\092420\T2157.D\	09/24/20 16:30	
MW-2 09162020	R2008604-004	I:\ACQUDATA\msvoa10\data\092420\T2158.D\	09/24/20 16:51	
MW-26 09162020	R2008604-006	I:\ACQUDATA\msvoa10\data\092420\T2159.D\	09/24/20 17:13	
MW-19 09162020	R2008604-009	I:\ACQUDATA\msvoa10\data\092420\T2160.D\	09/24/20 17:35	
MW-28 09162020	R2008604-010	I:\ACQUDATA\msvoa10\data\092420\T2161.D\	09/24/20 17:57	
MW-17 09162020	R2008604-012	I:\ACQUDATA\msvoa10\data\092420\T2162.D\	09/24/20 18:19	
DUP 09162020	R2008604-014	I:\ACQUDATA\msvoa10\data\092420\T2163.D\	09/24/20 18:41	
MP-6S 09162020	R2008604-007	I:\ACQUDATA\msvoa10\data\092420\T2164.D\	09/24/20 19:02	
MW-38 09162020	R2008604-008	I:\ACQUDATA\msvoa10\data\092420\T2165.D\	09/24/20 19:24	

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/20 10:15

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

File ID: I:\ACQUDATA\msvoa10\data\092420\T2141.D\ **Lab Code:**RQ2011255-02
Instrument ID: R-MS-10 **Analysis Lot:**696421
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	331,849	11.85	581,339	6.49	552,445	9.80
	Upper Limit ==>	663,698	12.02	1,162,678	6.66	1,104,890	9.97
	Lower Limit ==>	165,925	11.68	290,670	6.32	276,223	9.63
Associated Analyses							
Lab Control Sample	RQ2011255-03	284912	11.85	589787	6.49	538554	9.80
Method Blank	RQ2011255-04	249868	11.85	565066	6.49	517284	9.80
TB 09162020	R2008604-001	239929	11.85	540218	6.49	492086	9.80
MW-2 09162020	R2008604-004	243122	11.85	521158	6.49	476925	9.80
MW-26 09162020	R2008604-006	238945	11.85	538187	6.49	473209	9.80
MW-19 09162020	R2008604-009	244141	11.85	537964	6.49	495287	9.80
MW-28 09162020	R2008604-010	252530	11.85	560855	6.49	511694	9.80
MW-17 09162020	R2008604-012	236548	11.85	528402	6.49	487671	9.80
DUP 09162020	R2008604-014	237498	11.85	541918	6.49	495250	9.80
MP-6S 09162020	R2008604-007	237191	11.85	515466	6.49	477467	9.80
MW-38 09162020	R2008604-008	237134	11.85	510648	6.49	487144	9.80

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QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/20 10:15

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

File ID: I:\ACQUDATA\msvoa10\data\092420\T2141.D\ **Lab Code:**RQ2011255-02
Instrument ID: R-MS-10 **Analysis Lot:**696421
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	376,811	5.39
	Upper Limit ==>	753,622	5.56
	Lower Limit ==>	188,406	5.22
Associated Analyses			
Lab Control Sample	RQ2011255-03	390229	5.40
Method Blank	RQ2011255-04	370137	5.40
TB 09162020	R2008604-001	354234	5.40
MW-2 09162020	R2008604-004	354063	5.40
MW-26 09162020	R2008604-006	344292	5.40
MW-19 09162020	R2008604-009	352197	5.40
MW-28 09162020	R2008604-010	385462	5.40
MW-17 09162020	R2008604-012	351267	5.40
DUP 09162020	R2008604-014	359257	5.40
MP-6S 09162020	R2008604-007	345103	5.40
MW-38 09162020	R2008604-008	349365	5.40

Client: Verina Consulting Group, LLC **Service Request:** R2008604
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 89-119	Toluene-d8 87-121
MW-7A 09162020	R2008604-002	99	101	106
MP-8S 09162020	R2008604-003	103	108	111
MW-3 09162020	R2008604-005	104	103	112
MW-16 09162020	R2008604-011	110	109	112
Method Blank	RQ2011047-05	96	100	103
Lab Control Sample	RQ2011047-03	99	101	102

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/21/20 11:50
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:	RQ2011047-05	**File ID:**	I:\ACQUDATA\msvoa10\data\092120\T2033.D\
Analysis Method:	8260C	**Analysis Lot:**	695857
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2011047-03	I:\ACQUDATA\msvoa10\data\092120\T2030.D\	09/21/20 10:31
MW-7A 09162020	R2008604-002	I:\ACQUDATA\msvoa10\data\092120\T2049.D\	09/21/20 17:38
MP-8S 09162020	R2008604-003	I:\ACQUDATA\msvoa10\data\092120\T2053.D\	09/21/20 19:06
MW-3 09162020	R2008604-005	I:\ACQUDATA\msvoa10\data\092120\T2054.D\	09/21/20 19:27
MW-16 09162020	R2008604-011	I:\ACQUDATA\msvoa10\data\092120\T2055.D\	09/21/20 19:49

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2011047-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 11:50	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 11:50	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 11:50	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 11:50	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 11:50	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 11:50	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 11:50	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 11:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/21/20 11:50	
Dibromofluoromethane	100	89 - 119	09/21/20 11:50	
Toluene-d8	103	87 - 121	09/21/20 11:50	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/21/20 10:31
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:	RQ2011047-03	**File ID:**	I:\ACQUDATA\msvoa10\data\092120\T2030.D\
Analysis Method:	8260C	**Analysis Lot:**	695857
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2011047-05	I:\ACQUDATA\msvoa10\data\092120\T2033.D\	09/21/20 11:50
MW-7A 09162020	R2008604-002	I:\ACQUDATA\msvoa10\data\092120\T2049.D\	09/21/20 17:38
MP-8S 09162020	R2008604-003	I:\ACQUDATA\msvoa10\data\092120\T2053.D\	09/21/20 19:06
MW-3 09162020	R2008604-005	I:\ACQUDATA\msvoa10\data\092120\T2054.D\	09/21/20 19:27
MW-16 09162020	R2008604-011	I:\ACQUDATA\msvoa10\data\092120\T2055.D\	09/21/20 19:49

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

Service Request: R2008604
Date Analyzed: 09/21/20

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2011047-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.2	20.0	96	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	20.9	20.0	105	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	23.7	20.0	118	71-118
Tetrachloroethene (PCE)	8260C	17.9	20.0	90	72-125
Trichloroethene (TCE)	8260C	18.7	20.0	94	74-122
Vinyl Chloride	8260C	22.0	20.0	110	74-159
cis-1,2-Dichloroethene	8260C	19.6	20.0	98	80-121
trans-1,2-Dichloroethene	8260C	22.4	20.0	112	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 09:23

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092120\T2028.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 695857

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	20.10	5693	Pass
75	95	30	60	37.68	10669	Pass
95	95	100	100	100.00	28317	Pass
96	95	5	9	6.46	1828	Pass
173	174	0	2	0.73	161	Pass
174	95	50	120	77.97	22080	Pass
175	174	5	9	8.58	1894	Pass
176	174	95	101	98.59	21768	Pass
177	176	5	9	6.30	1371	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2011047-02	I:\ACQUDATA\msvoa10\data\092120\T2029.D\	09/21/20 09:58	
Lab Control Sample	RQ2011047-03	I:\ACQUDATA\msvoa10\data\092120\T2030.D\	09/21/20 10:31	
Method Blank	RQ2011047-05	I:\ACQUDATA\msvoa10\data\092120\T2033.D\	09/21/20 11:50	
MW-7A 09162020	R2008604-002	I:\ACQUDATA\msvoa10\data\092120\T2049.D\	09/21/20 17:38	
MP-8S 09162020	R2008604-003	I:\ACQUDATA\msvoa10\data\092120\T2053.D\	09/21/20 19:06	
MW-3 09162020	R2008604-005	I:\ACQUDATA\msvoa10\data\092120\T2054.D\	09/21/20 19:27	
MW-16 09162020	R2008604-011	I:\ACQUDATA\msvoa10\data\092120\T2055.D\	09/21/20 19:49	

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 09:58

Internal Standard Area and RT SUMMARY

Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092120\T2029.D\ **Lab Code:**RQ2011047-02
Instrument ID: R-MS-10 **Analysis Lot:**695857
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	289,480	11.85	521,575	6.49	475,401	9.80
	Upper Limit ==>	578,960	12.02	1,043,150	6.66	950,802	9.97
	Lower Limit ==>	144,740	11.68	260,788	6.32	237,701	9.63
Associated Analyses							
Lab Control Sample	RQ2011047-03	237064	11.85	481351	6.49	438918	9.80
Method Blank	RQ2011047-05	206168	11.85	449347	6.49	412654	9.80
MW-7A 09162020	R2008604-002	171451	11.85	402922	6.49	363596	9.80
MP-8S 09162020	R2008604-003	161819	11.85	376634	6.49	342214	9.80
MW-3 09162020	R2008604-005	177978	11.85	384719	6.49	351913	9.80
MW-16 09162020	R2008604-011	177639	11.85	372882	6.49	345741	9.80

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 09:58

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

File ID: I:\ACQUDATA\msvoa10\data\092120\T2029.D\ **Lab Code:**RQ2011047-02
Instrument ID: R-MS-10 **Analysis Lot:**695857
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	336,520	5.39
	Upper Limit ==>	673,040	5.56
	Lower Limit ==>	168,260	5.22
Associated Analyses			
Lab Control Sample	RQ2011047-03	306889	5.39
Method Blank	RQ2011047-05	279478	5.40
MW-7A 09162020	R2008604-002	241463	5.40
MP-8S 09162020	R2008604-003	239378	5.40
MW-3 09162020	R2008604-005	237193	5.39
MW-16 09162020	R2008604-011	240224	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:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	TB 09162020	**Units:**	ug/L
Lab Code:	R2008604-001	**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	09/24/20 16:30	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 16:30	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 16:30	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 16:30	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 16:30	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 16:30	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 16:30	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 16:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	09/24/20 16:30	
Dibromofluoromethane	104	89 - 119	09/24/20 16:30	
Toluene-d8	104	87 - 121	09/24/20 16:30	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 09:50
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-2 09162020	**Units:**	ug/L
Lab Code:	R2008604-004	**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	09/24/20 16:51	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/24/20 16:51	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/24/20 16:51	
Tetrachloroethene (PCE)	**11**		1.0	0.21	1	09/24/20 16:51	
Trichloroethene (TCE)	**4.4**		1.0	0.20	1	09/24/20 16:51	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/24/20 16:51	
cis-1,2-Dichloroethene	**4.0**		1.0	0.23	1	09/24/20 16:51	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/24/20 16:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/24/20 16:51	
Dibromofluoromethane	104	89 - 119	09/24/20 16:51	
Toluene-d8	107	87 - 121	09/24/20 16:51	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 11:30
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-26 09162020	**Units:**	ug/L
Lab Code:	R2008604-006	**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	09/24/20 17:13	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 17:13	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 17:13	
Tetrachloroethene (PCE)	**11**	1.0	0.21	1	09/24/20 17:13	
Trichloroethene (TCE)	**1.5**	1.0	0.20	1	09/24/20 17:13	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 17:13	
cis-1,2-Dichloroethene	**1.9**	1.0	0.23	1	09/24/20 17:13	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 17:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/24/20 17:13	
Dibromofluoromethane	97	89 - 119	09/24/20 17:13	
Toluene-d8	103	87 - 121	09/24/20 17:13	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 12:05
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MP-6S 09162020	**Units:**	ug/L
Lab Code:	R2008604-007	**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)	2.5	U	2.5	0.50	2.5	09/24/20 19:02	
1,1-Dichloroethane (1,1-DCA)	2.5	U	2.5	0.50	2.5	09/24/20 19:02	
1,1-Dichloroethene (1,1-DCE)	2.5	U	2.5	0.50	2.5	09/24/20 19:02	
Tetrachloroethene (PCE)	**360**		2.5	0.53	2.5	09/24/20 19:02	
Trichloroethene (TCE)	**2.1**	**J**	2.5	0.50	2.5	09/24/20 19:02	
Vinyl Chloride	2.5	U	2.5	0.50	2.5	09/24/20 19:02	
cis-1,2-Dichloroethene	**2.4**	**J**	2.5	0.58	2.5	09/24/20 19:02	
trans-1,2-Dichloroethene	2.5	U	2.5	0.50	2.5	09/24/20 19:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/24/20 19:02	
Dibromofluoromethane	107	89 - 119	09/24/20 19:02	
Toluene-d8	107	87 - 121	09/24/20 19:02	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 12:35
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-38 09162020	**Units:**	ug/L
Lab Code:	R2008604-008	**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	09/24/20 19:24	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 19:24	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 19:24	
Tetrachloroethene (PCE)	**76**	1.0	0.21	1	09/24/20 19:24	
Trichloroethene (TCE)	**5.9**	1.0	0.20	1	09/24/20 19:24	
Vinyl Chloride	**0.25 J**	1.0	0.20	1	09/24/20 19:24	
cis-1,2-Dichloroethene	**3.7**	1.0	0.23	1	09/24/20 19:24	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 19:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/24/20 19:24	
Dibromofluoromethane	109	89 - 119	09/24/20 19:24	
Toluene-d8	108	87 - 121	09/24/20 19:24	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 12:45
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-19 09162020	**Units:**	ug/L
Lab Code:	R2008604-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	0.20	1	09/24/20 17:35	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/24/20 17:35	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/24/20 17:35	
Tetrachloroethene (PCE)	**10**		1.0	0.21	1	09/24/20 17:35	
Trichloroethene (TCE)	**3.8**		1.0	0.20	1	09/24/20 17:35	
Vinyl Chloride	**0.24**	**J**	1.0	0.20	1	09/24/20 17:35	
cis-1,2-Dichloroethene	**5.4**		1.0	0.23	1	09/24/20 17:35	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/24/20 17:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/24/20 17:35	
Dibromofluoromethane	103	89 - 119	09/24/20 17:35	
Toluene-d8	104	87 - 121	09/24/20 17:35	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 15:30
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-28 09162020	**Units:**	ug/L
Lab Code:	R2008604-010	**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	09/24/20 17:57	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1.0	5	09/24/20 17:57	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1.0	5	09/24/20 17:57	
Tetrachloroethene (PCE)	5.0 U	5.0	1.1	5	09/24/20 17:57	
Trichloroethene (TCE)	5.0 U	5.0	1.0	5	09/24/20 17:57	
Vinyl Chloride	5.0 U	5.0	1.0	5	09/24/20 17:57	
cis-1,2-Dichloroethene	5.0 U	5.0	1.2	5	09/24/20 17:57	
trans-1,2-Dichloroethene	5.0 U	5.0	1.0	5	09/24/20 17:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/24/20 17:57	
Dibromofluoromethane	102	89 - 119	09/24/20 17:57	
Toluene-d8	100	87 - 121	09/24/20 17:57	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 16:00
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-17 09162020	**Units:**	ug/L
Lab Code:	R2008604-012	**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	09/24/20 18:19	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/24/20 18:19	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/24/20 18:19	
Tetrachloroethene (PCE)	**0.62**	**J**	1.0	0.21	1	09/24/20 18:19	
Trichloroethene (TCE)	1.0	U	1.0	0.20	1	09/24/20 18:19	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/24/20 18:19	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/24/20 18:19	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/24/20 18:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/24/20 18:19	
Dibromofluoromethane	106	89 - 119	09/24/20 18:19	
Toluene-d8	107	87 - 121	09/24/20 18:19	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	DUP 09162020	**Units:**	ug/L
Lab Code:	R2008604-014	**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	09/24/20 18:41	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 18:41	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 18:41	
Tetrachloroethene (PCE)	**8.0**	1.0	0.21	1	09/24/20 18:41	
Trichloroethene (TCE)	**3.1**	1.0	0.20	1	09/24/20 18:41	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 18:41	
cis-1,2-Dichloroethene	**4.8**	1.0	0.23	1	09/24/20 18:41	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 18:41	

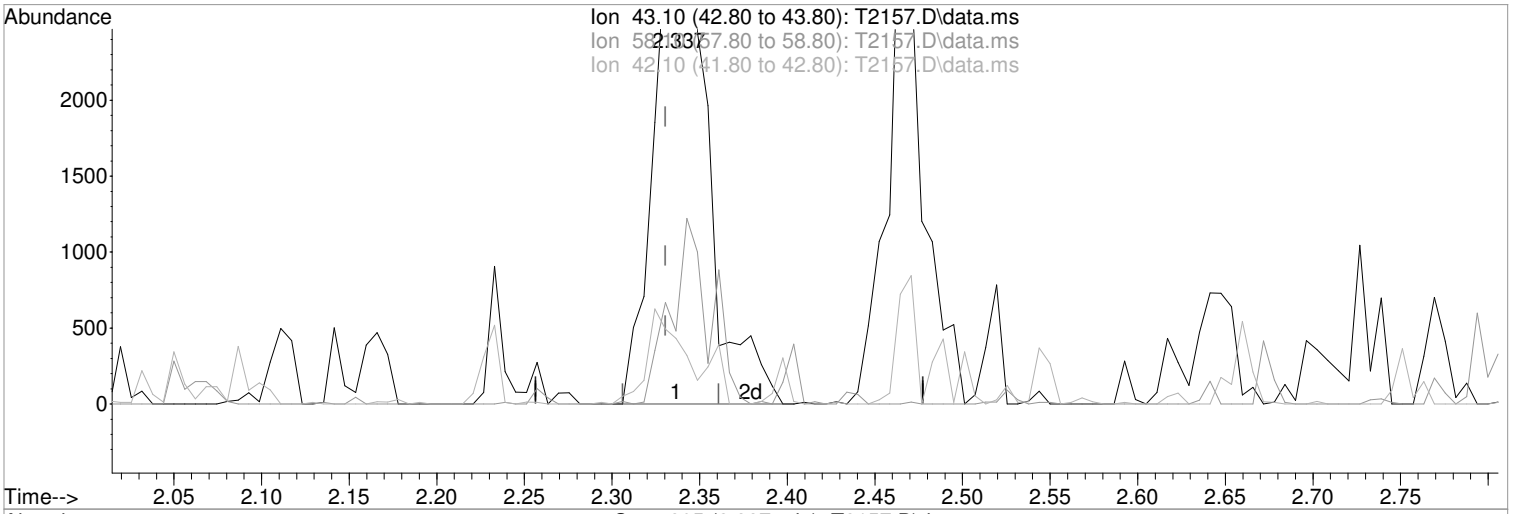
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/24/20 18:41	
Dibromofluoromethane	102	89 - 119	09/24/20 18:41	
Toluene-d8	105	87 - 121	09/24/20 18:41	

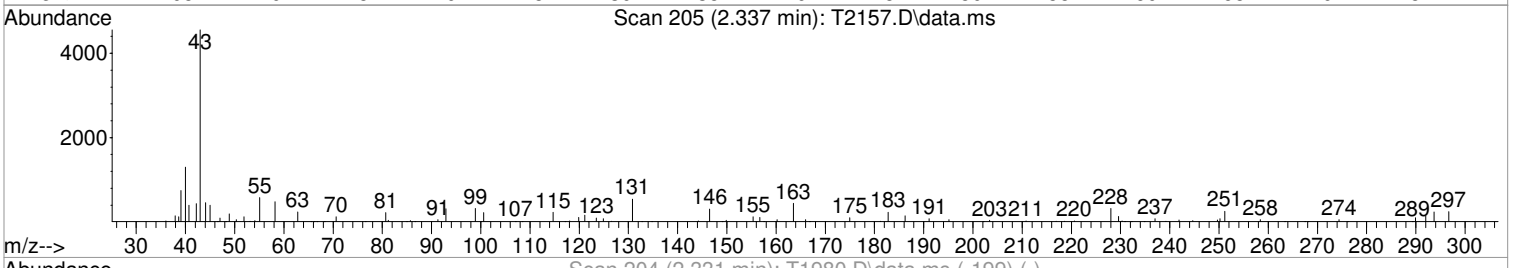
1st FN 09/25/20
2nd 09/26/20

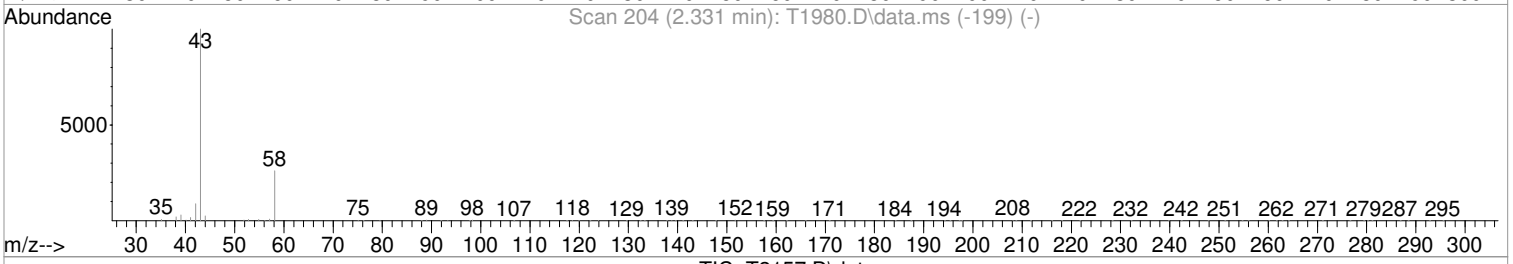
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2157.D
Acq On : 24 Sep 2020 4:30 pm
Operator : F.NAEGLER
Sample : R2008604-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 25 06:03:51 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2157.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 4.24 ug/L m

response 7384

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	10.54
42.10	9.30	9.51
0.00	0.00	0.00

Manual Integration:

After

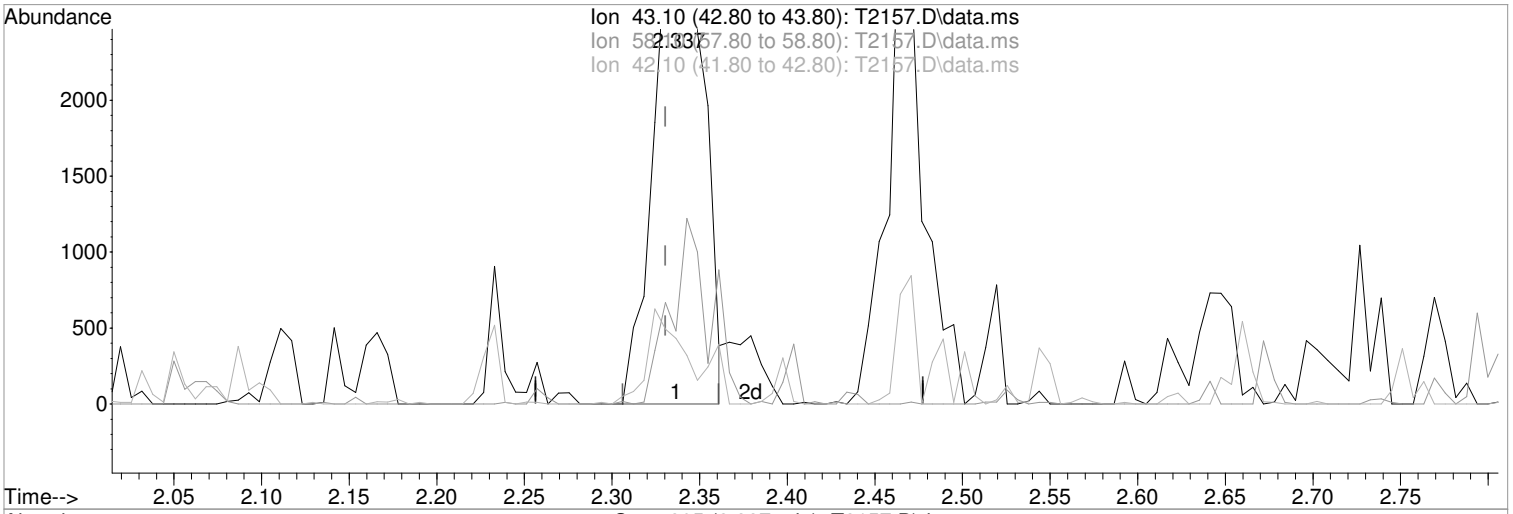
Poor integration.

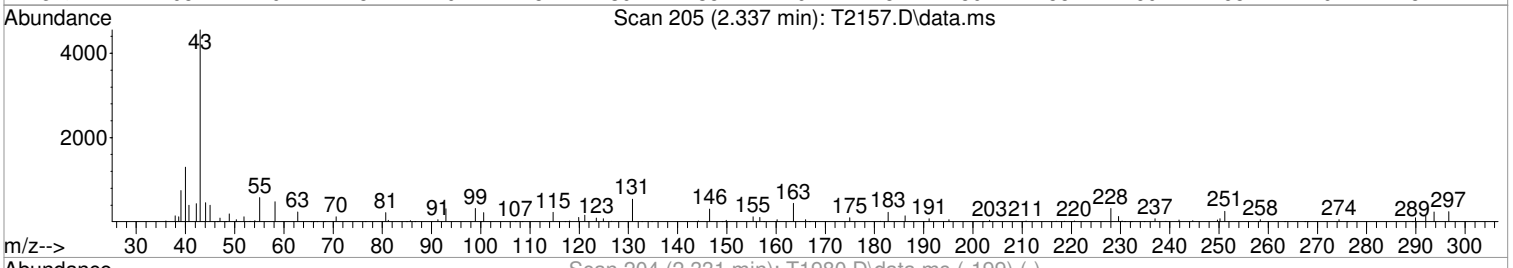
09/25/20

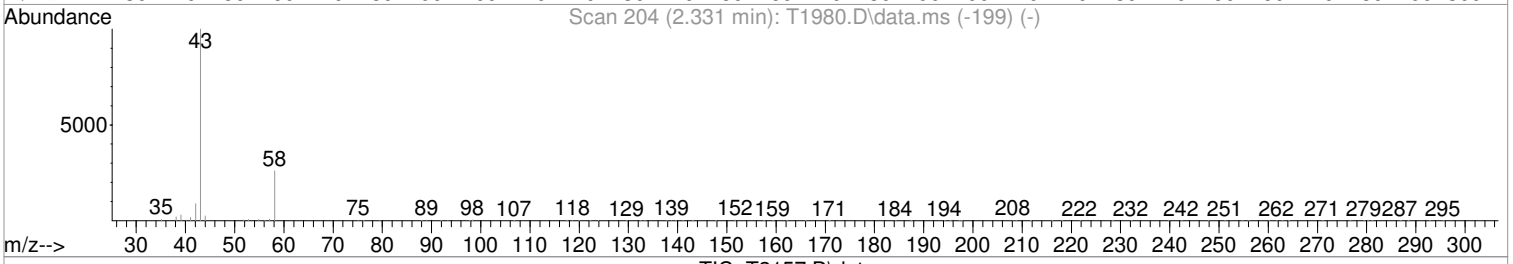
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2157.D
Acq On : 24 Sep 2020 4:30 pm
Operator : F.NAEGLER
Sample : R2008604-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 25 06:03:51 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2157.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 3.90 ug/L

response 6790

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	10.54
42.10	9.30	9.51
0.00	0.00	0.00

Manual Integration:

Before

09/25/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2157.D
Acq On : 24 Sep 2020 4:30 pm
Operator : F.NAEGLER
Sample : R2008604-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 25 17:26:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

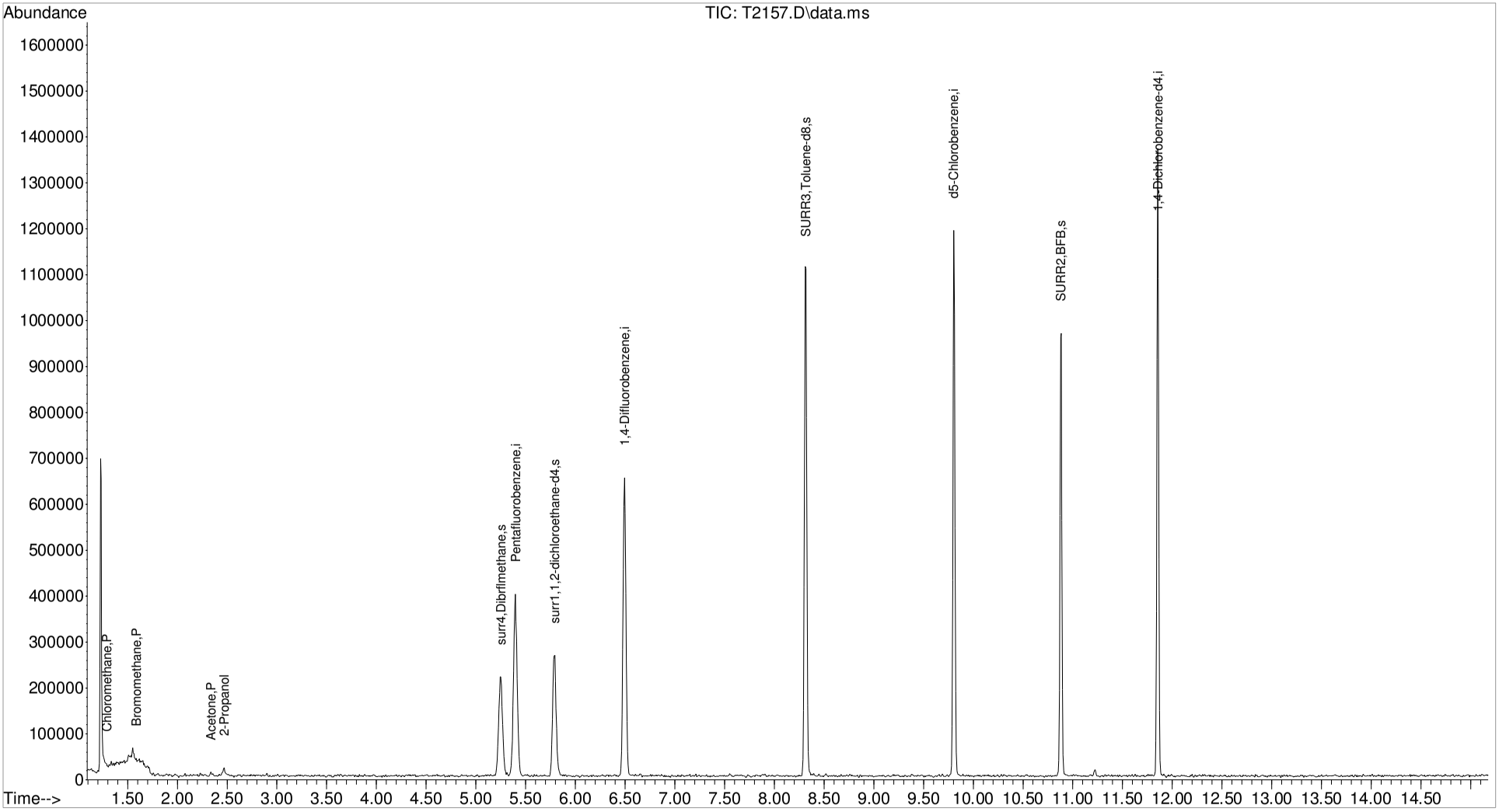
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	354234	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	540218	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	492086	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	239929	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	169933	51.79	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.58%			
46) surr1,1,2-dichloroetha...	5.793	65	221218	56.76	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 113.52%			
64) SURR3,Toluene-d8	8.317	98	656667	52.07	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.14%			
69) SURR2,BFB	10.884	95	236075	47.49	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.98%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	2907	0.57	ug/L	91
5) Bromomethane	1.587	94	1390	0.41	ug/L	99
15) Acetone	2.337	43	7384m	4.24	ug/L	
16) 2-Propanol	2.471	45	17239	41.28	ug/L	80
21) Methyl Acetate	2.617	43	332	Below Cal		72
38) Tetrahydrofuran	4.799	42	269	Below Cal		79
42) Cyclohexane	5.318	41	383	Below Cal	#	1
60) 2-Nitropropane	7.811	41	412	Below Cal	#	72

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

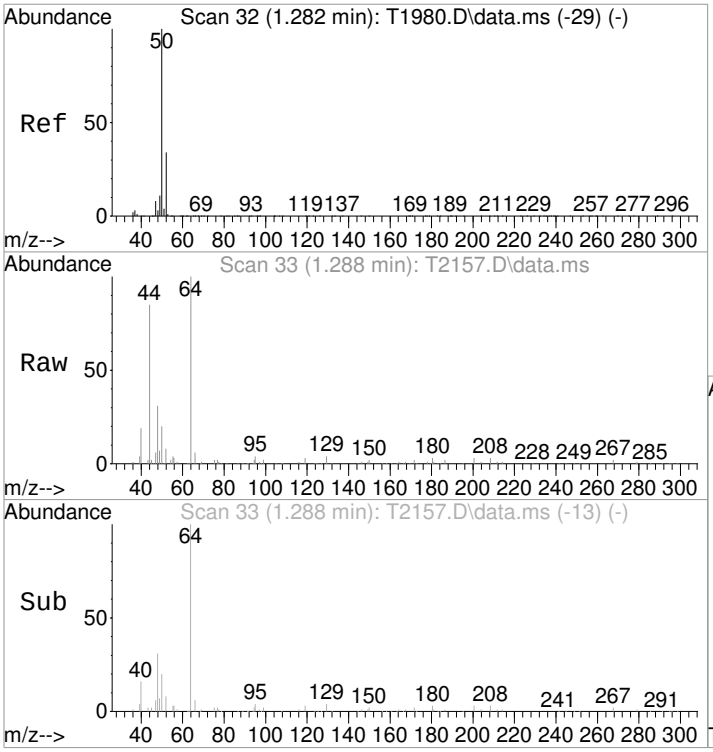
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2157.D
Acq On : 24 Sep 2020 4:30 pm
Operator : F.NAEGLER
Sample : R2008604-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 25 17:26:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



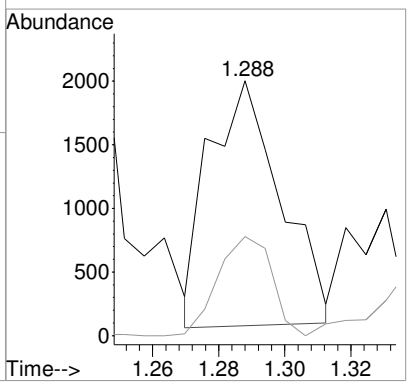
1st FJ 09/25/20
2nd 09/26/20

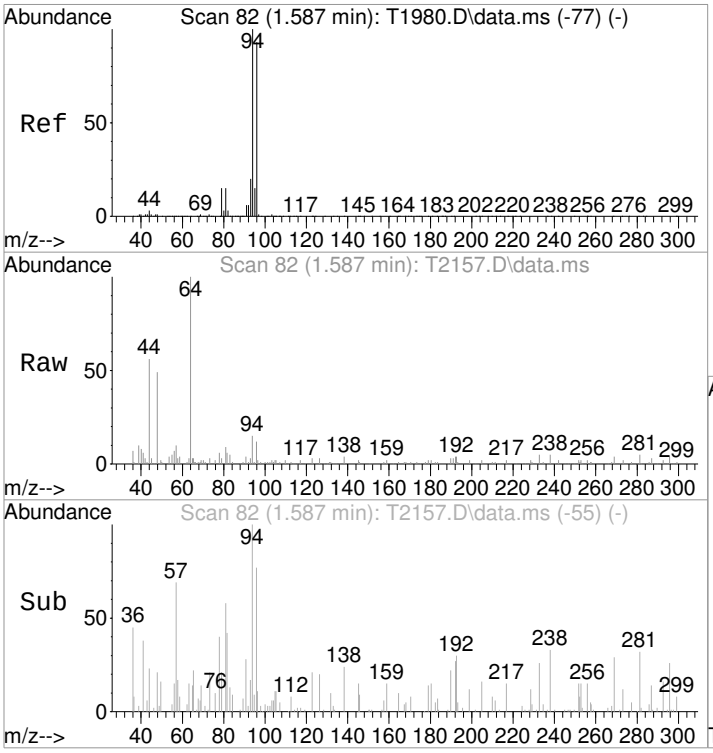


#3
Chloromethane
Concen: 0.57 ug/L
RT: 1.288 min Scan# 33
Delta R.T. 0.006 min
Lab File: T2157.D
Acq: 24 Sep 2020 4:30 pm

Tgt Ion: 50 Resp: 2907

Ion	Ratio	Lower	Upper
50	100		
52	38.8	13.7	53.7

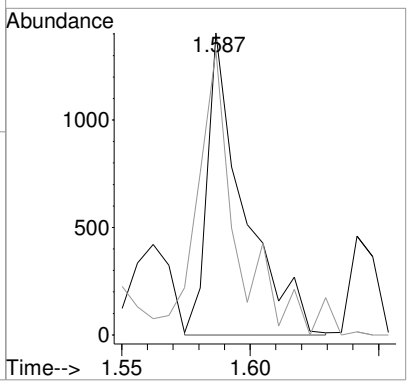


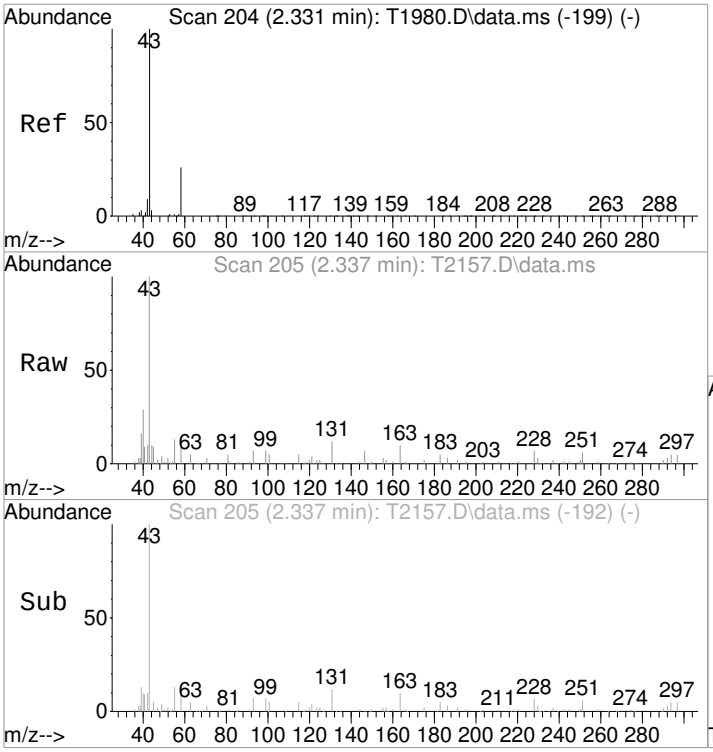


#5
Bromomethane
Concen: 0.41 ug/L
RT: 1.587 min Scan# 82
Delta R.T. 0.001 min
Lab File: T2157.D
Acq: 24 Sep 2020 4:30 pm

Tgt Ion: 94 Resp: 1390

Ion	Ratio	Lower	Upper
94	100		
96	94.2	72.9	112.9

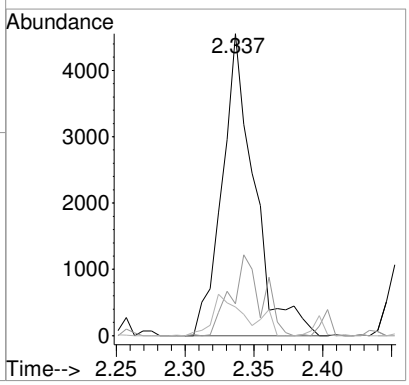


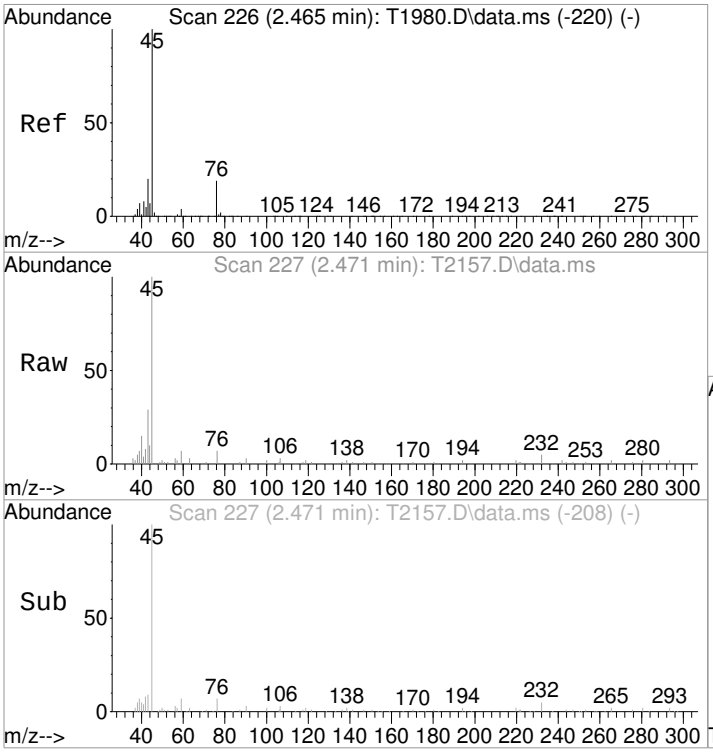


#15
Acetone
Concen: 4.24 ug/L m
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2157.D
Acq: 24 Sep 2020 4:30 pm

Tgt Ion: 43 Resp: 7384

Ion	Ratio	Lower	Upper
43	100		
58	10.5	6.1	46.1
42	9.5	0.0	29.3

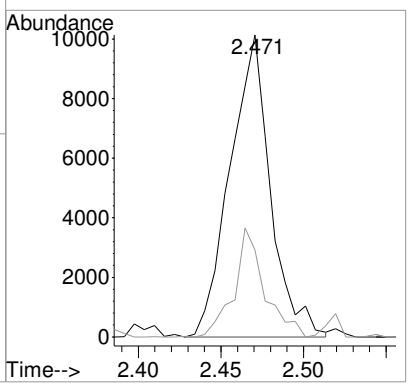


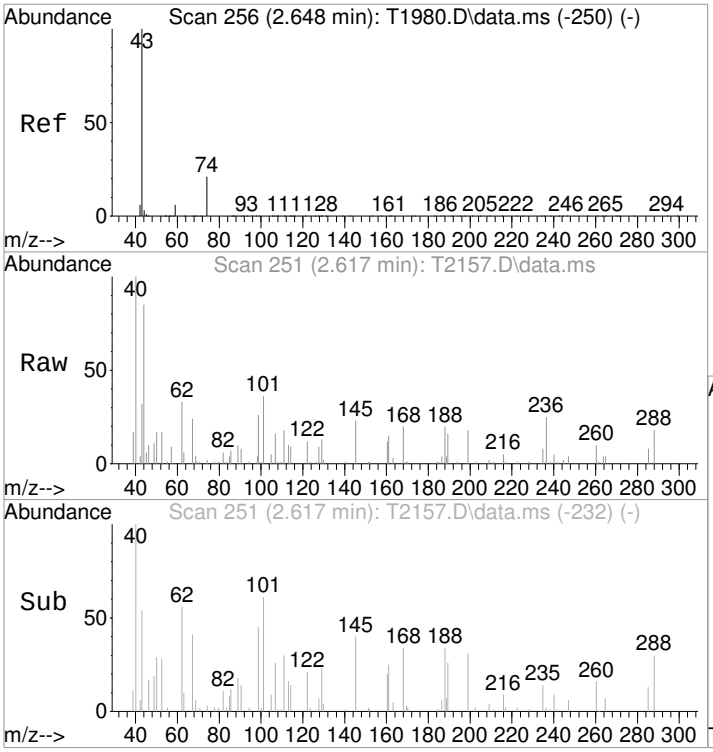


#16
2-Propanol
Concen: 41.28 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2157.D
Acq: 24 Sep 2020 4:30 pm

Tgt Ion: 45 Resp: 17239

Ion	Ratio	Lower	Upper
45	100		
43	28.8	0.0	39.8

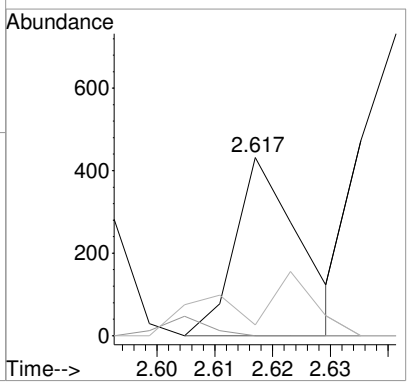


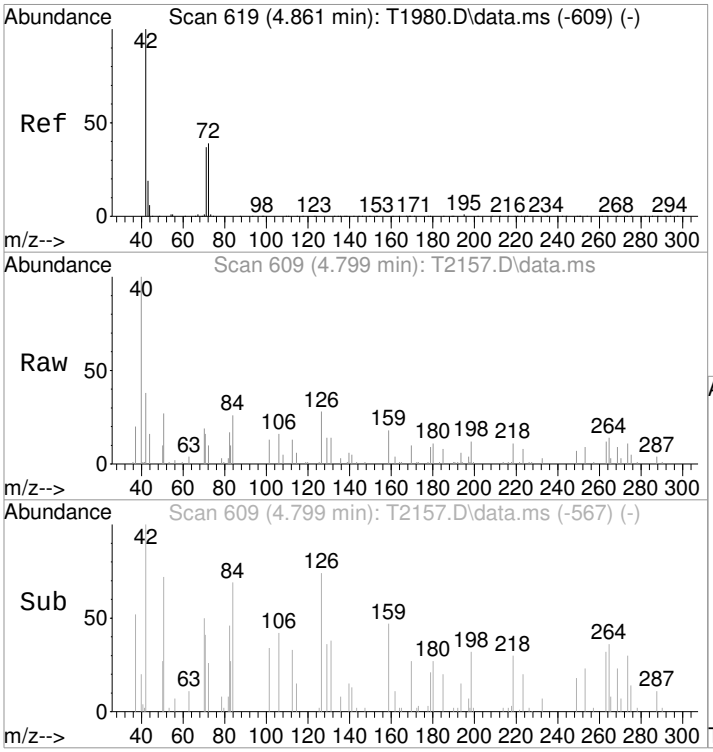


#21
Methyl Acetate
Concen: Below Cal
RT: 2.617 min Scan# 251
Delta R.T. -0.030 min
Lab File: T2157.D
Acq: 24 Sep 2020 4:30 pm

Tgt Ion: 43 Resp: 332

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	6.0	0.6	40.6

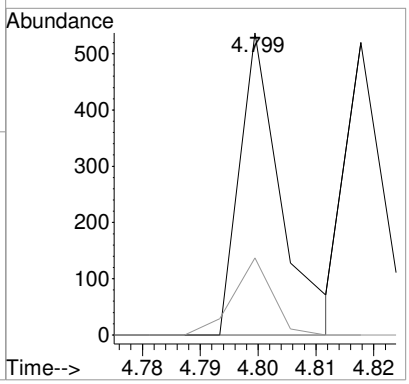


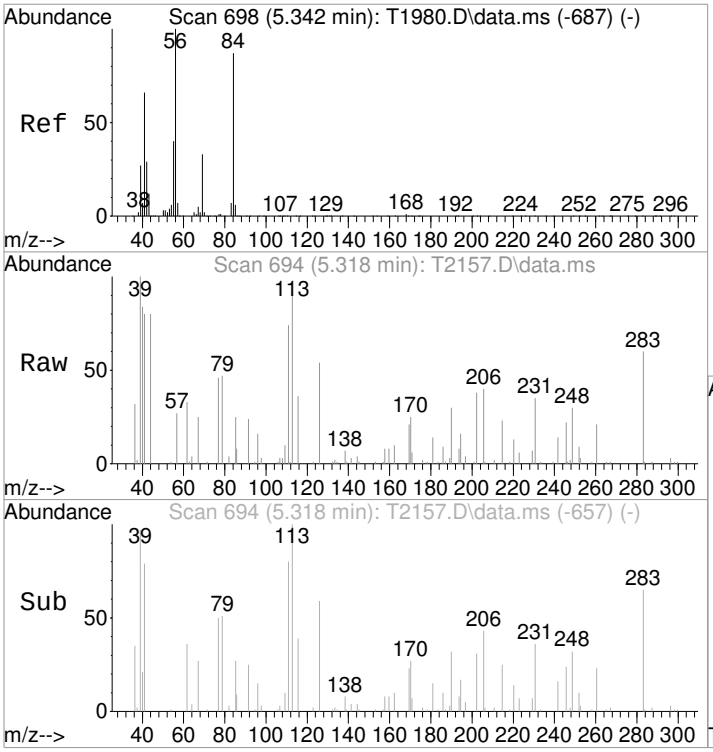


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.799 min Scan# 609
Delta R.T. -0.061 min
Lab File: T2157.D
Acq: 24 Sep 2020 4:30 pm

Tgt Ion: 42 Resp: 269

Ion	Ratio	Lower	Upper
42	100		
72	25.5	18.3	58.3

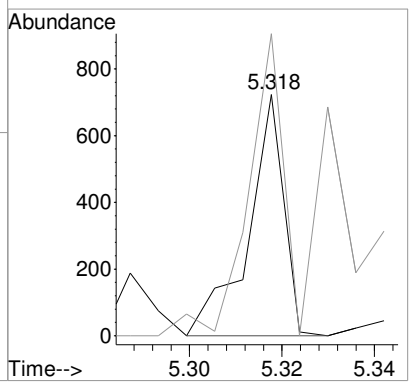


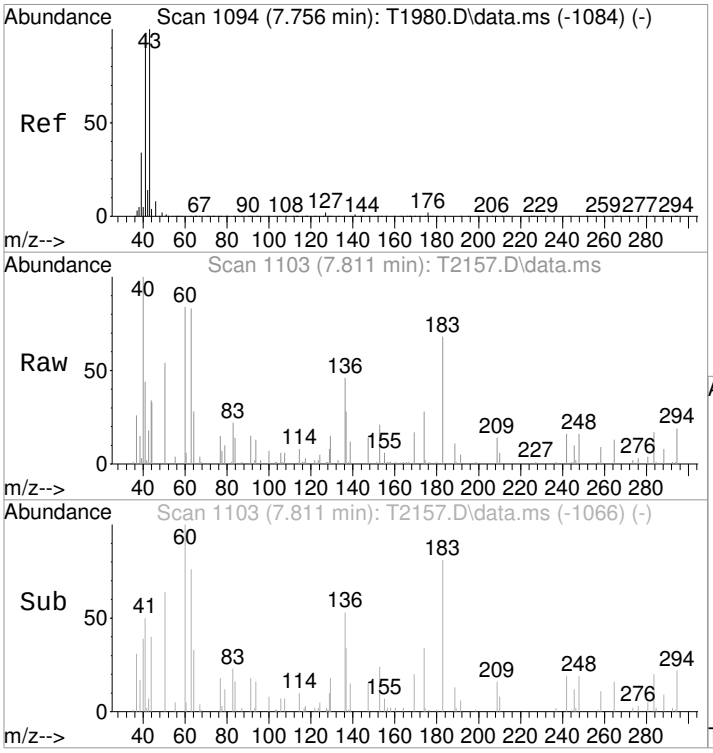


#42
Cyclohexane
Concen: Below Cal
RT: 5.318 min Scan# 694
Delta R.T. -0.024 min
Lab File: T2157.D
Acq: 24 Sep 2020 4:30 pm

Tgt Ion: 41 Resp: 383

Ion	Ratio	Lower	Upper
41	100		
39	125.1	21.9	61.9#

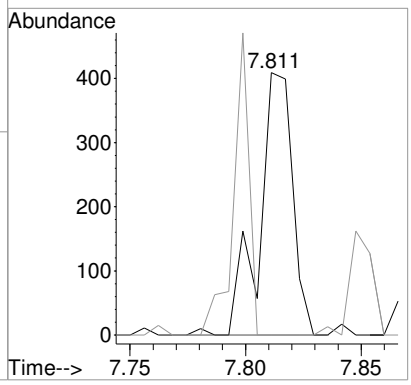




#60
2-Nitropropane
Concen: Below Cal
RT: 7.811 min Scan# 1103
Delta R.T. 0.055 min
Lab File: T2157.D
Acq: 24 Sep 2020 4:30 pm

Tgt Ion: 41 Resp: 412

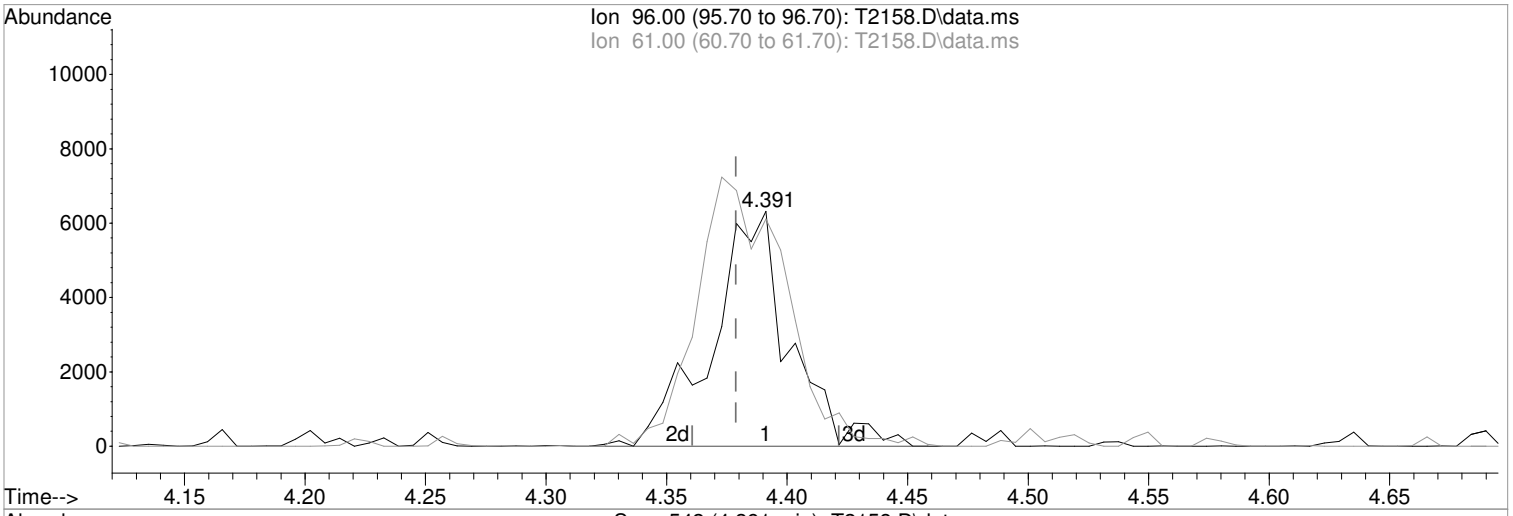
Ion	Ratio	Lower	Upper
41	100		
43	75.6	84.5	124.5#

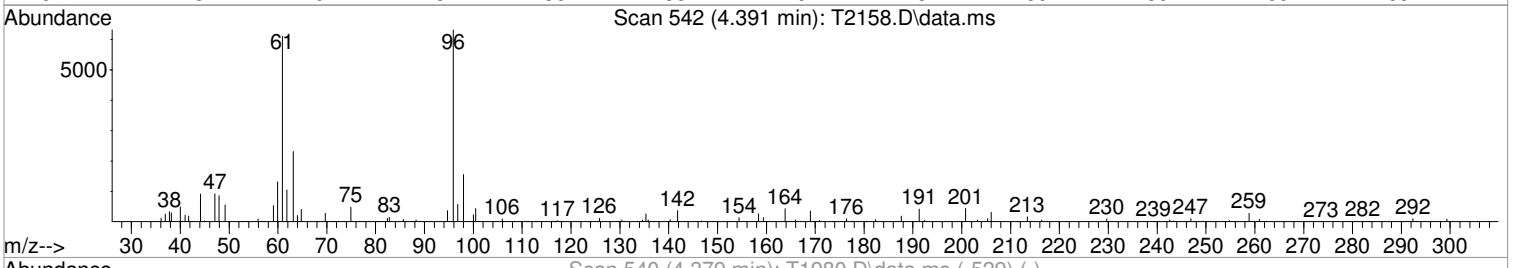


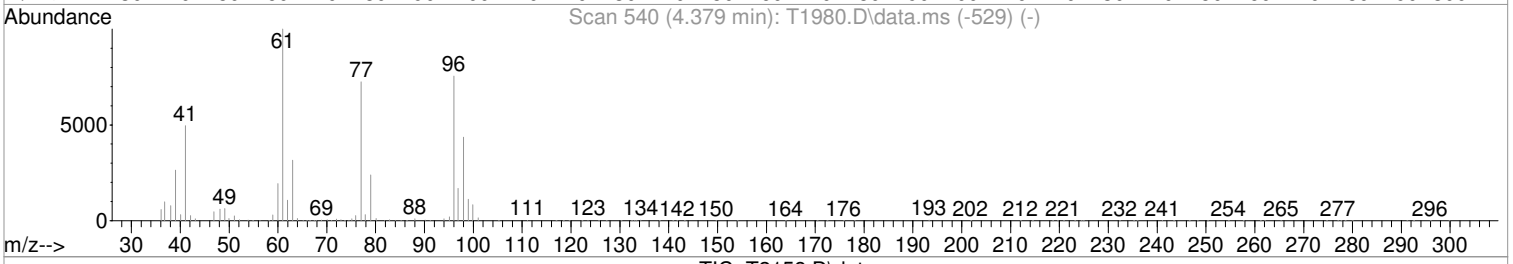
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2158.D
Acq On : 24 Sep 2020 4:51 pm
Operator : F.NAEGLER
Sample : R2008604-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 25 06:04:03 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2158.D\data.ms

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

4.391min (+0.012) 3.97 ug/L m

response 14149

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	96.75#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

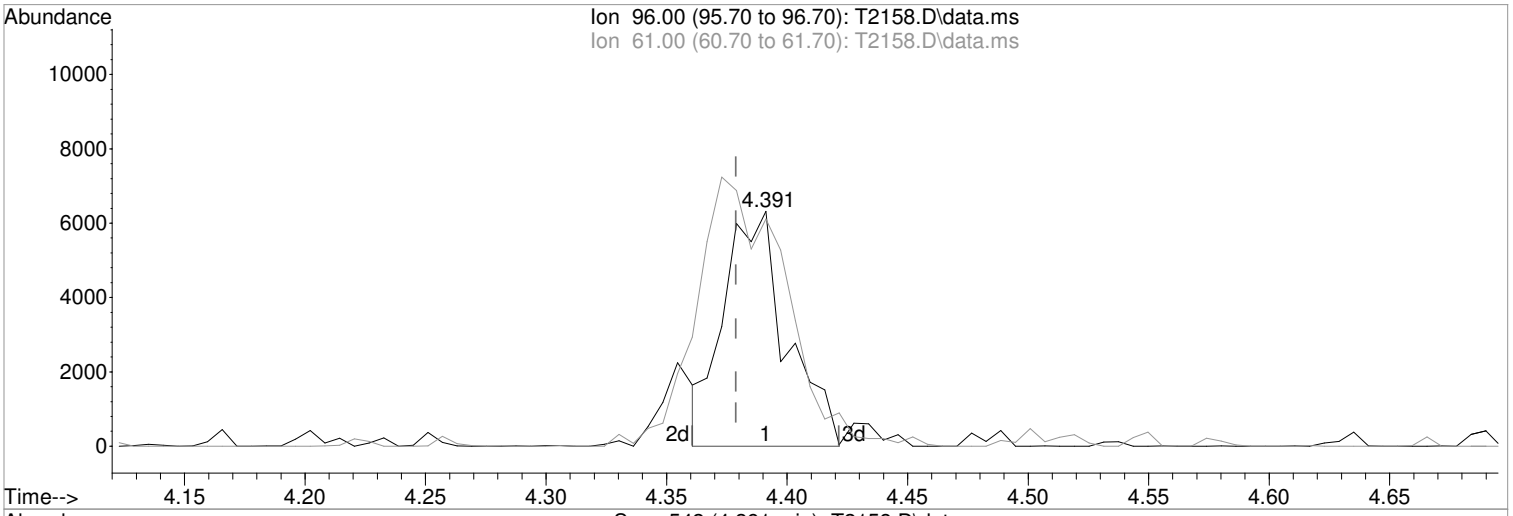
Poor integration.

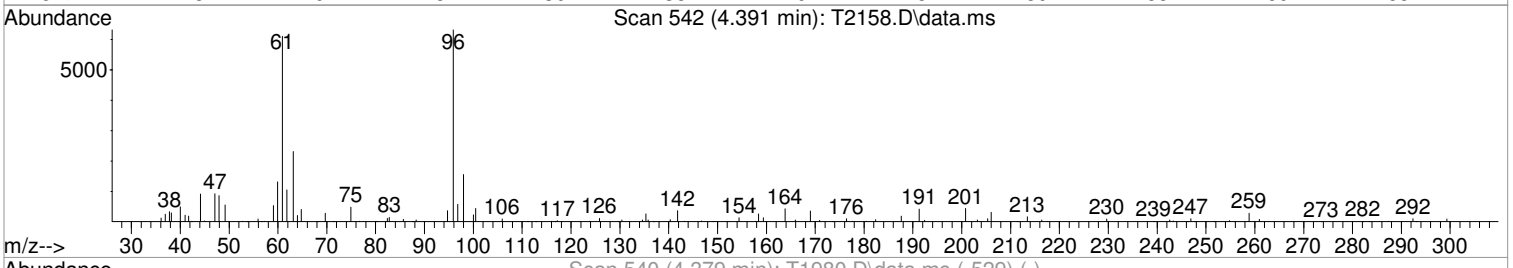
09/25/20

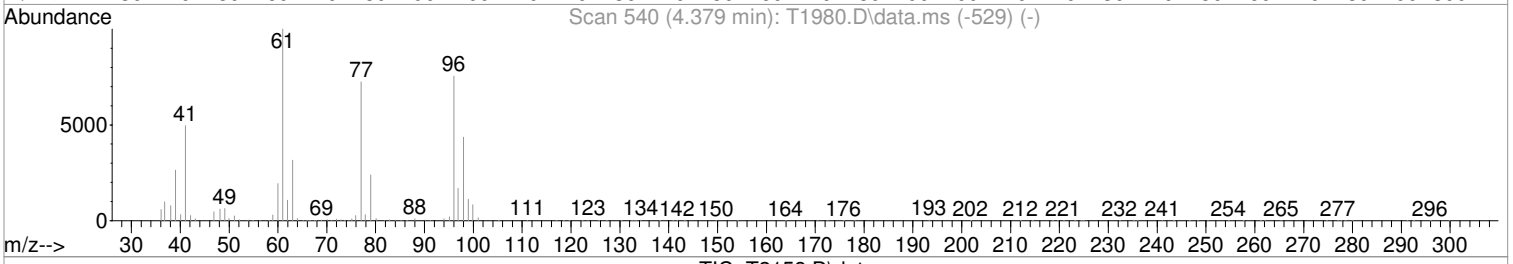
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2158.D
Acq On : 24 Sep 2020 4:51 pm
Operator : F.NAEGLER
Sample : R2008604-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 25 06:04:03 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2158.D\data.ms

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

4.391min (+0.012) 3.20 ug/L

response 11401

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	96.75#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/25/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2158.D
Acq On : 24 Sep 2020 4:51 pm
Operator : F.NAEGLER
Sample : R2008604-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 25 17:27:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

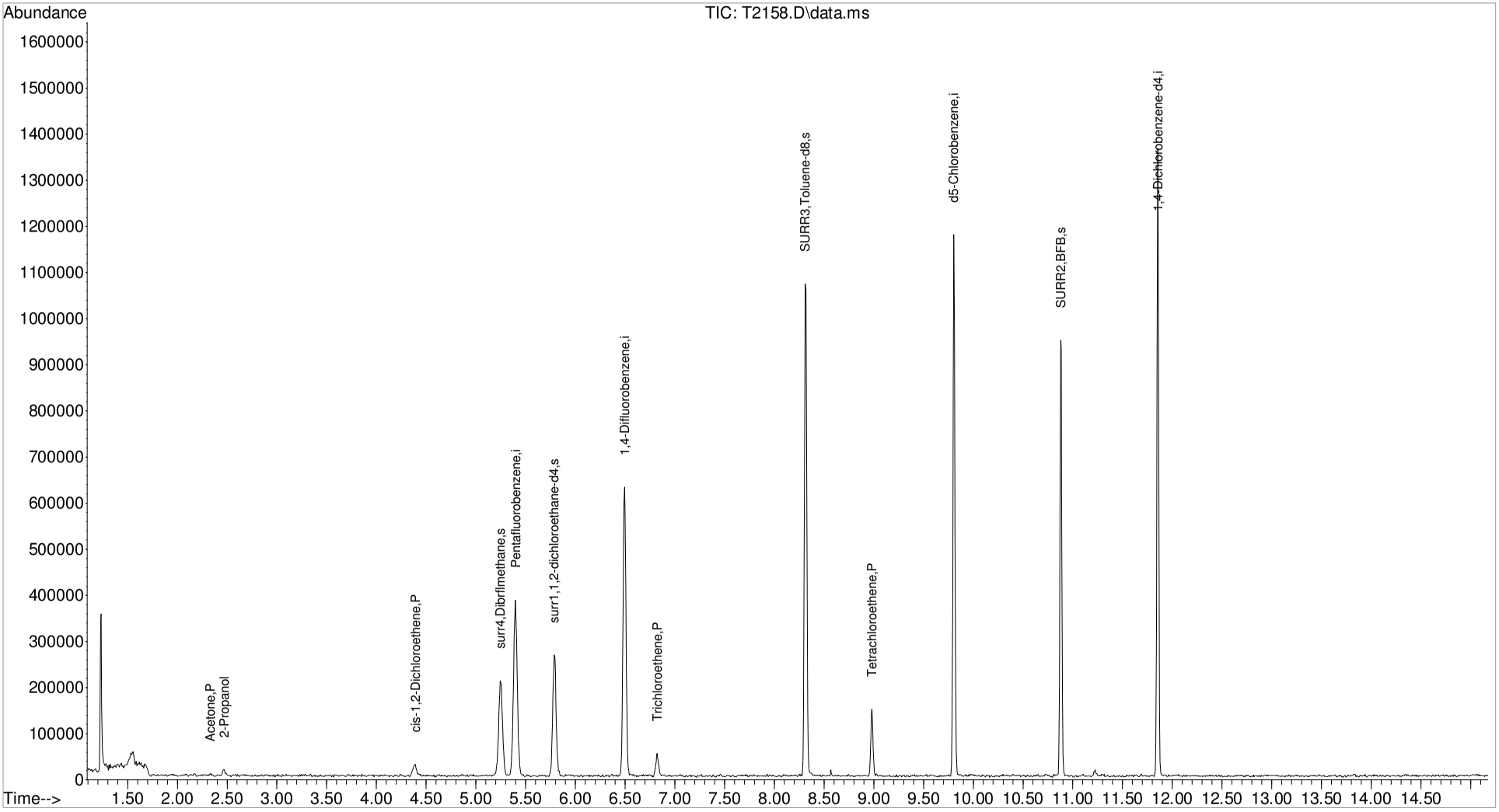
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	354063	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	521158	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	476925	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	243122	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	165245	52.20	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 104.40%			
46) surr1,1,2-dichloroetha...	5.787	65	211551	56.27	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 112.54%			
64) SURR3,Toluene-d8	8.311	98	652256	53.61	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 107.22%			
69) SURR2,BFB	10.878	95	237293	49.48	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.96%			
Target Compounds						Qvalue
15) Acetone	2.331	43	4938	2.84	ug/L	79
16) 2-Propanol	2.471	45	14386	34.46	ug/L	88
21) Methyl Acetate	2.648	43	698	Below Cal		93
33) cis-1,2-Dichloroethene	4.391	96	14149m	3.97	ug/L	
37) Methacrylonitrile	4.861	67	454	Below Cal	#	1
38) Tetrahydrofuran	4.909	42	330	Below Cal	#	37
42) Cyclohexane	5.324	41	426	Below Cal	#	67
53) Trichloroethene	6.824	130	13685	4.39	ug/L #	85
58) Methyl Methacrylate	7.244	69	318	Below Cal	#	25
60) 2-Nitropropane	7.848	41	302	Below Cal		94
71) Tetrachloroethene	8.982	164	28025	11.19	ug/L #	85

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

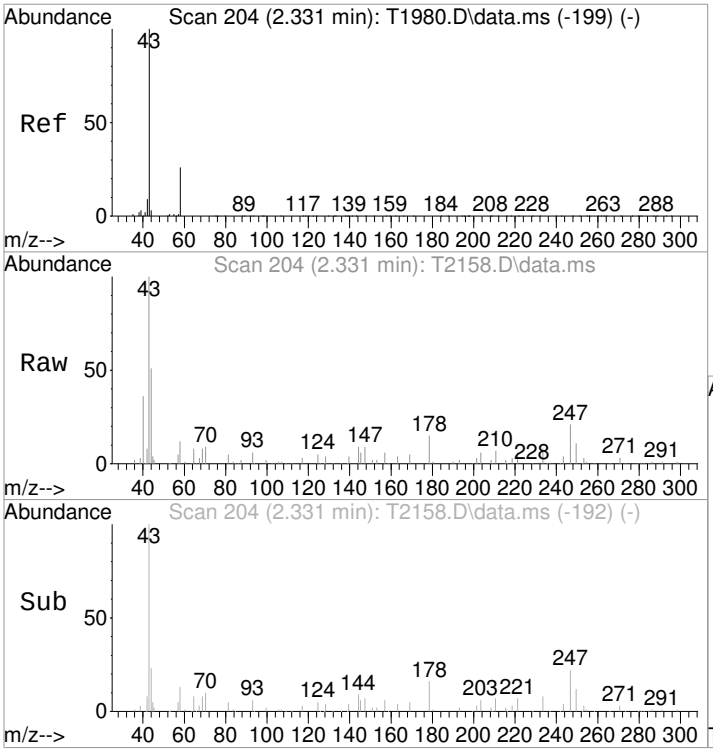
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2158.D
Acq On : 24 Sep 2020 4:51 pm
Operator : F.NAEGLER
Sample : R2008604-004|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 25 17:27:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



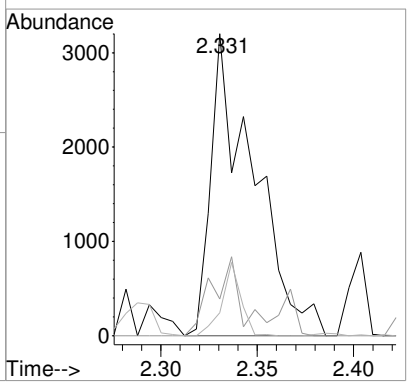
1st FJ 09/25/20
2nd 09/26/20

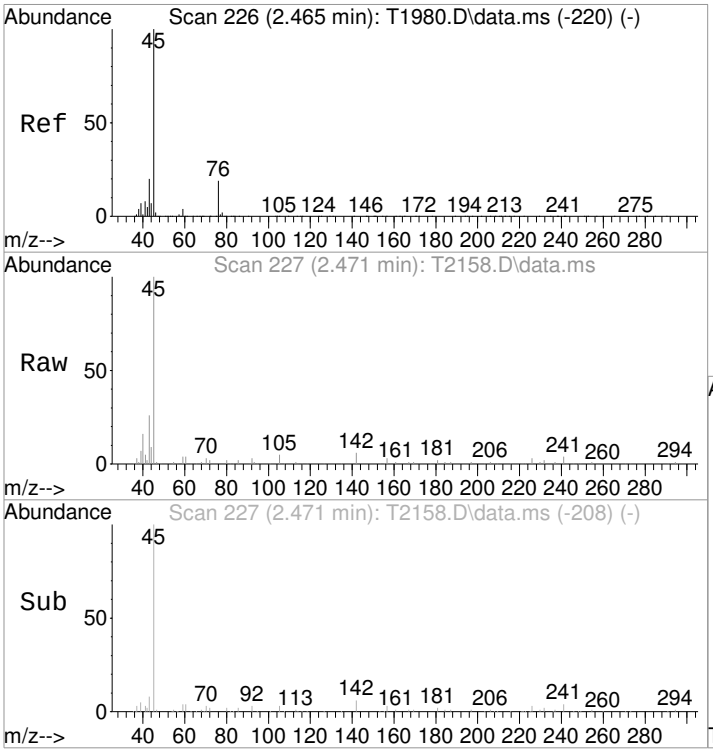


#15
Acetone
Concen: 2.84 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 43 Resp: 4938

Ion	Ratio	Lower	Upper
43	100		
58	12.2	6.1	46.1
42	7.6	0.0	29.3

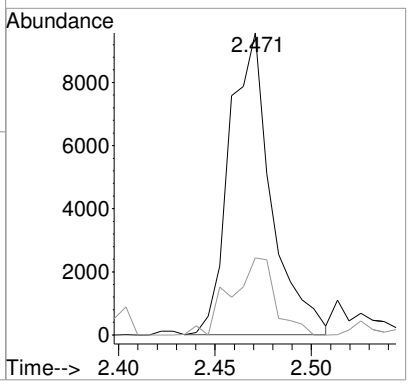


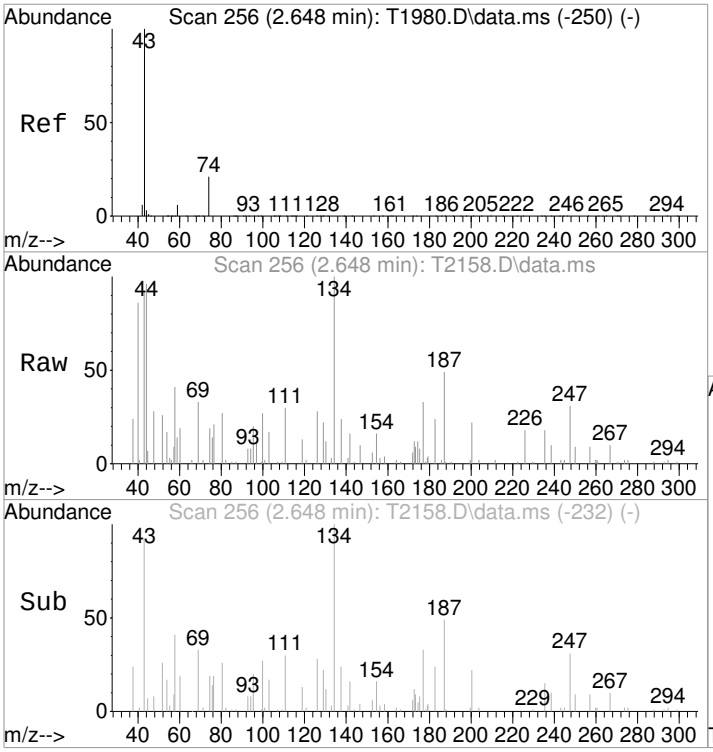


#16
2-Propanol
Concen: 34.46 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 45 Resp: 14386

Ion	Ratio	Lower	Upper
45	100		
43	25.5	0.0	39.8

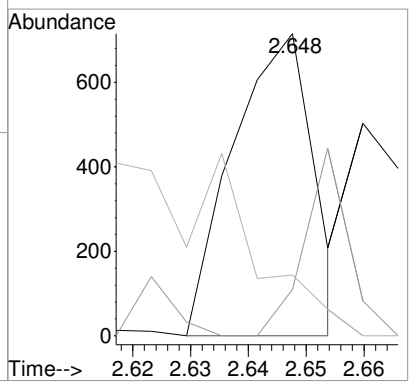


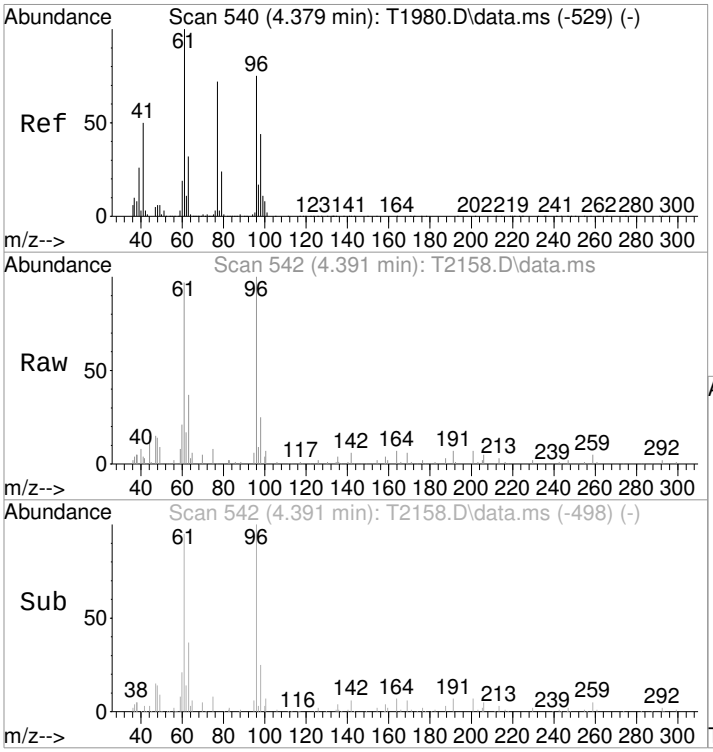


#21
Methyl Acetate
Concen: Below Cal
RT: 2.648 min Scan# 256
Delta R.T. 0.001 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 43 Resp: 698

Ion	Ratio	Lower	Upper
43	100		
59	15.4	0.0	26.4
74	20.1	0.6	40.6

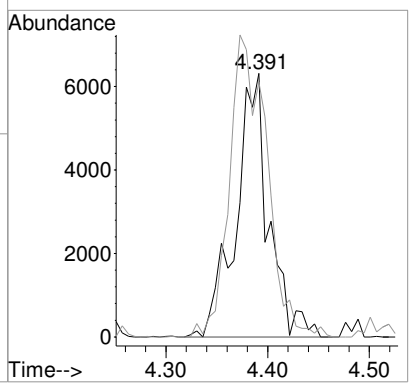


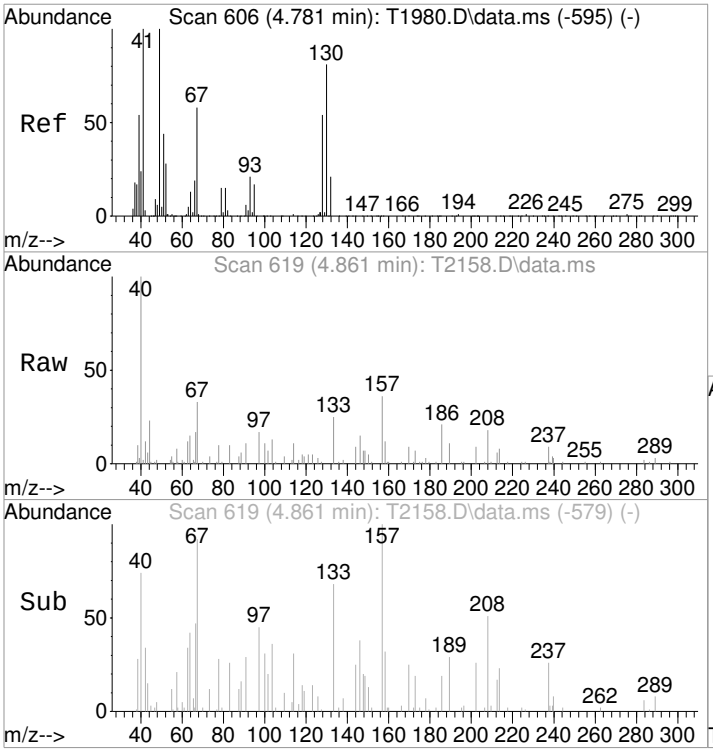


#33
cis-1,2-Dichloroethene
Concen: 3.97 ug/L m
RT: 4.391 min Scan# 542
Delta R.T. 0.012 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 96 Resp: 14149

Ion	Ratio	Lower	Upper
96	100		
61	96.8	113.1	153.1#

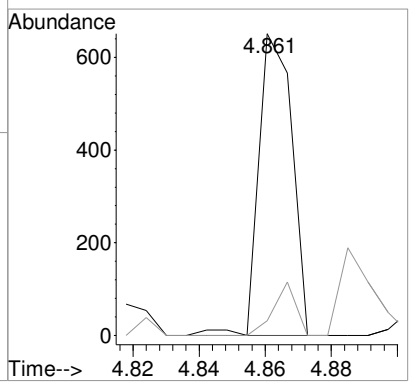


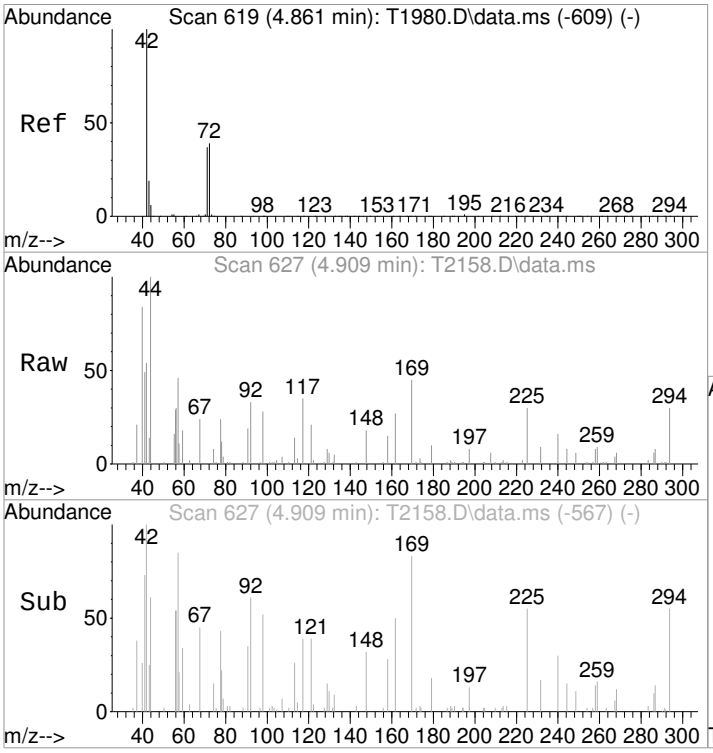


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.861 min Scan# 619
Delta R.T. 0.080 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 67 Resp: 454

Ion	Ratio	Lower	Upper
67	100		
41	4.9	154.0	194.0#

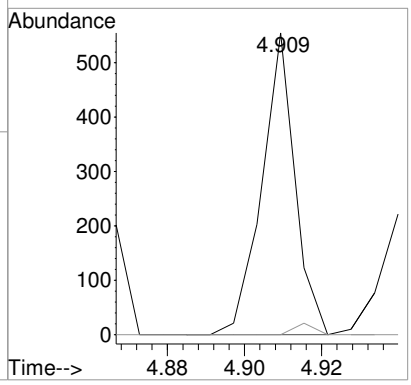


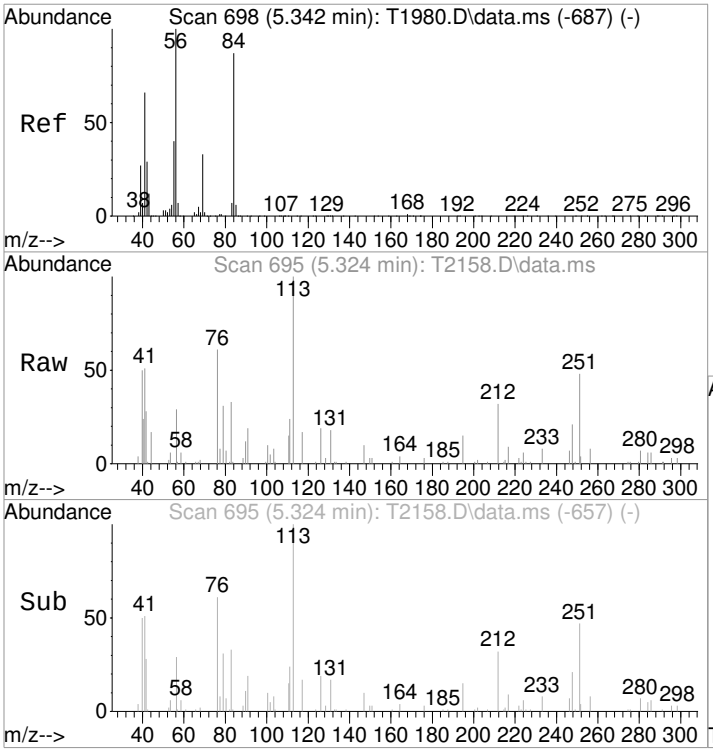


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.909 min Scan# 627
Delta R.T. 0.049 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 42 Resp: 330

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

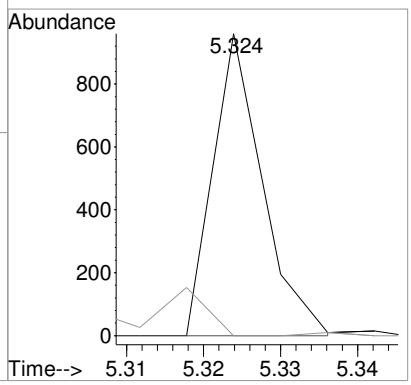


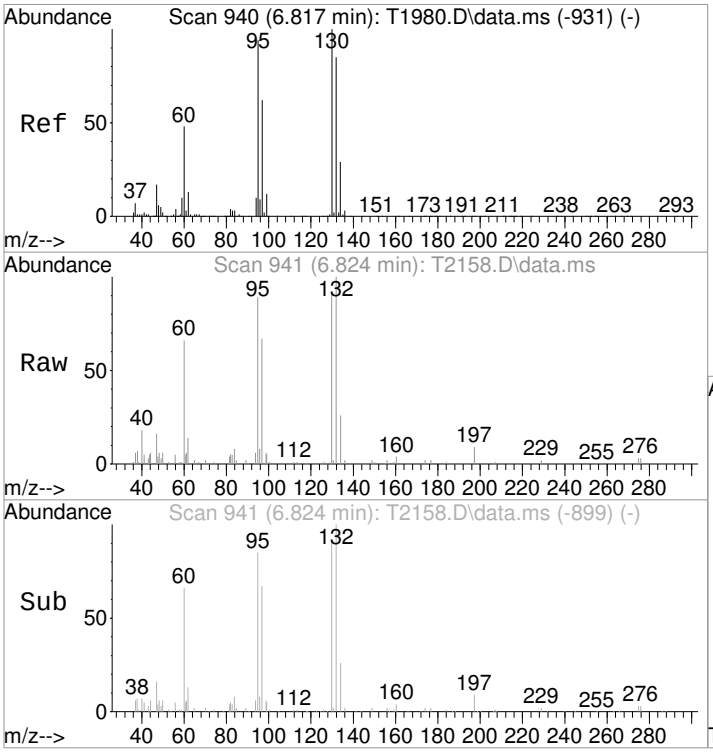


#42
Cyclohexane
Concen: Below Cal
RT: 5.324 min Scan# 695
Delta R.T. -0.018 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 41 Resp: 426

Ion	Ratio	Lower	Upper
41	100		
39	63.0	21.9	61.9#

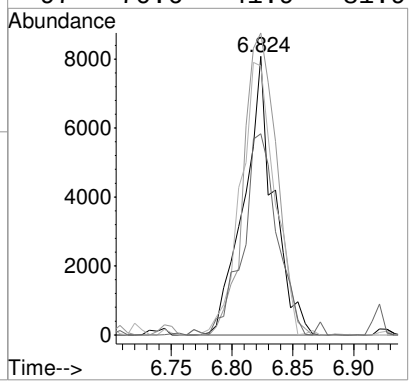


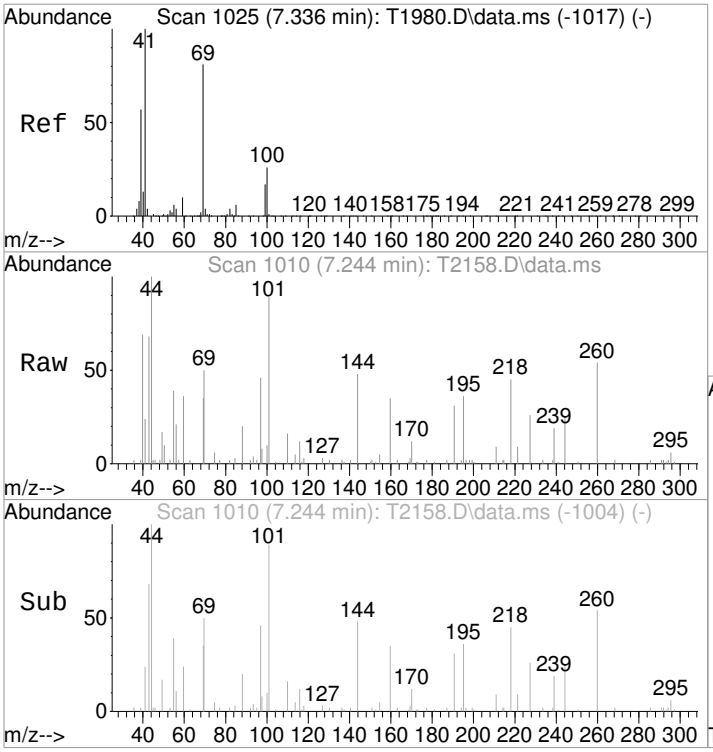


#53
Trichloroethene
Concen: 4.39 ug/L
RT: 6.824 min Scan# 941
Delta R.T. 0.006 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion:130 Resp: 13685

Ion	Ratio	Lower	Upper
130	100		
132	106.1	65.4	105.4#
95	102.7	73.7	113.7
97	70.6	41.9	81.9

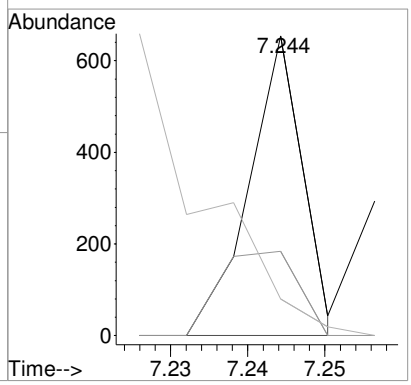


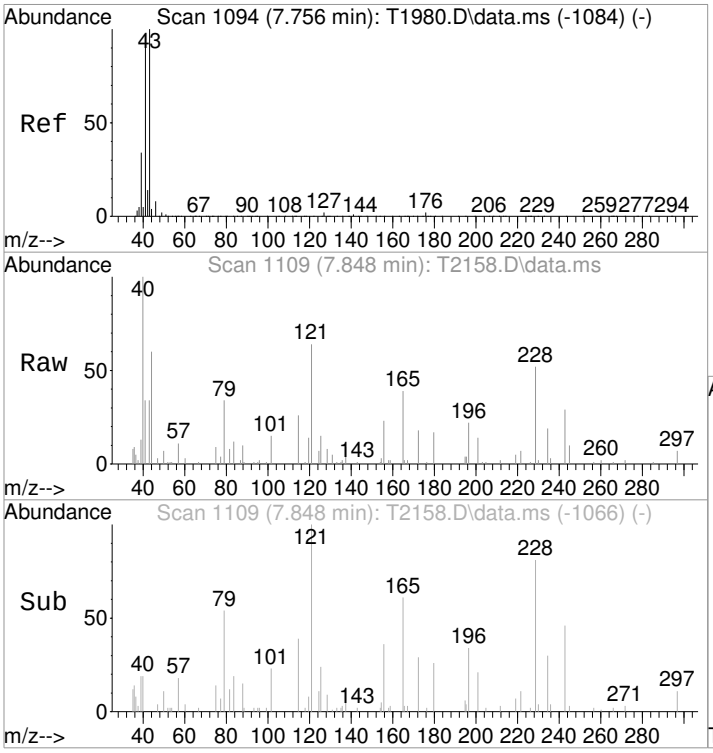


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.244 min Scan# 1010
Delta R.T. -0.091 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 69 Resp: 318

Ion	Ratio	Lower	Upper
69	100		
41	28.1	105.7	145.7#
100	12.2	12.5	52.5#

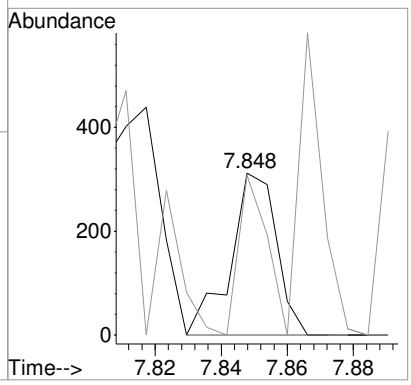


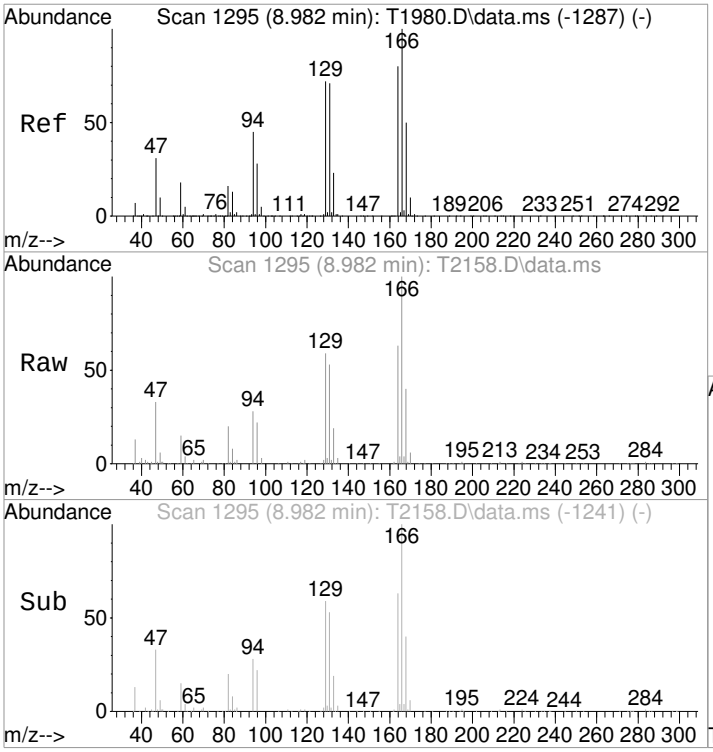


#60
2-Nitropropane
Concen: Below Cal
RT: 7.848 min Scan# 1109
Delta R.T. 0.092 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion: 41 Resp: 302

Ion	Ratio	Lower	Upper
41	100		
43	98.7	84.5	124.5

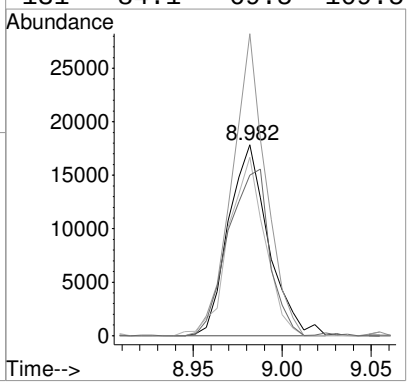




#71
Tetrachloroethene
Concen: 11.19 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: T2158.D
Acq: 24 Sep 2020 4:51 pm

Tgt Ion:164 Resp: 28025

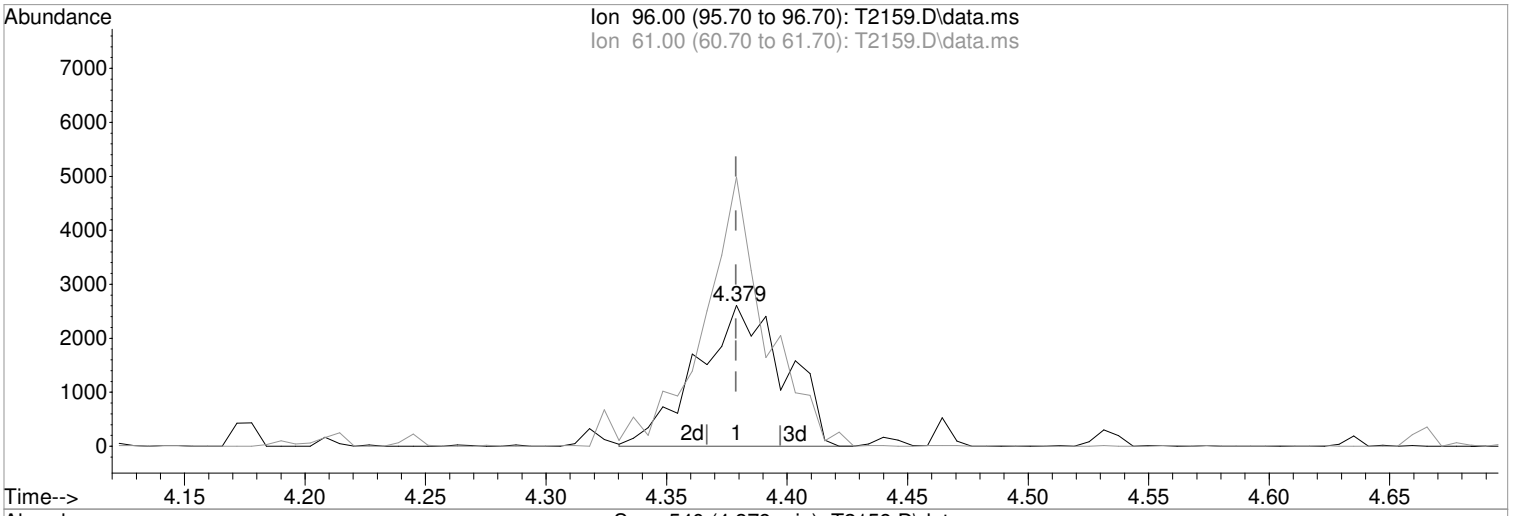
Ion	Ratio	Lower	Upper
164	100		
166	158.2	105.6	145.6#
129	93.5	69.9	109.9
131	84.1	69.5	109.5

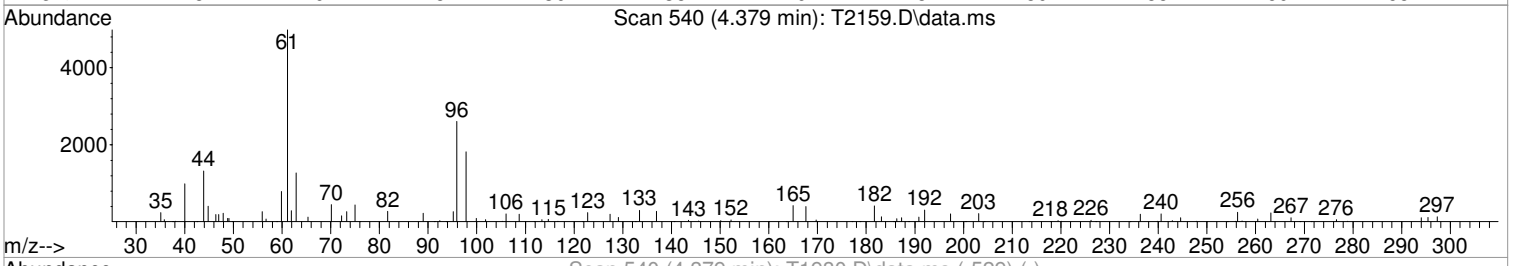


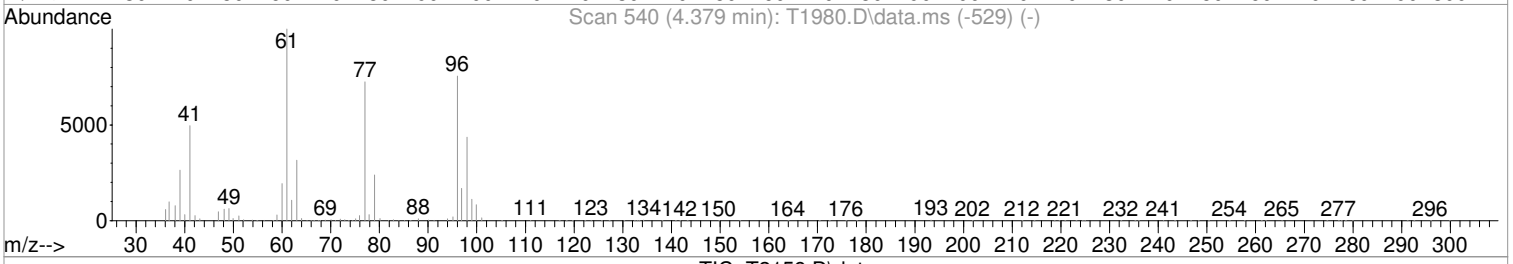
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2159.D
Acq On : 24 Sep 2020 5:13 pm
Operator : F.NAEGLER
Sample : R2008604-006|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 25 06:04:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2159.D\data.ms

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

4.379min (+0.000) 1.90 ug/L m

response 6597

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	191.07#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

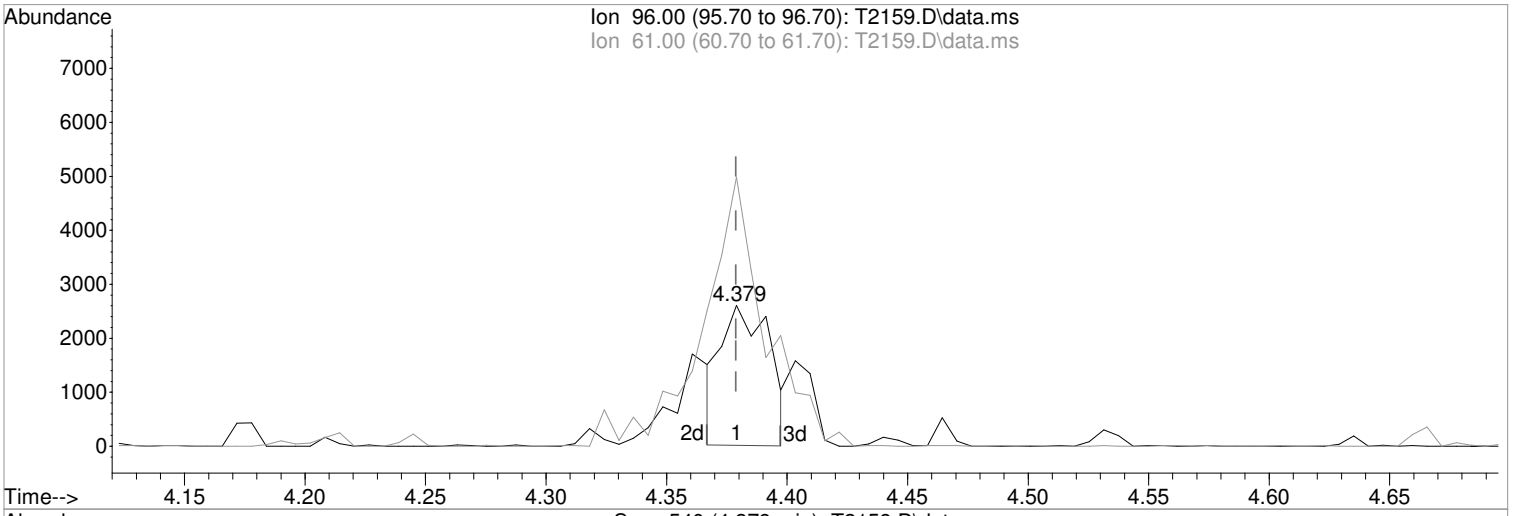
Poor integration.

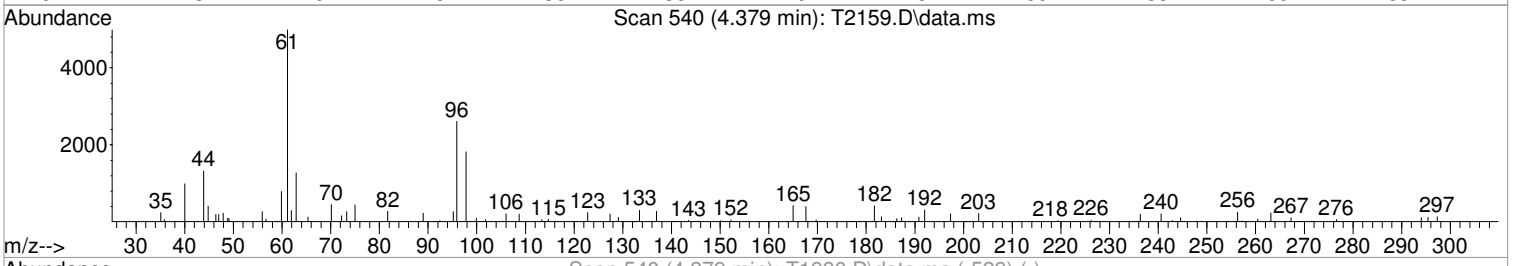
09/25/20

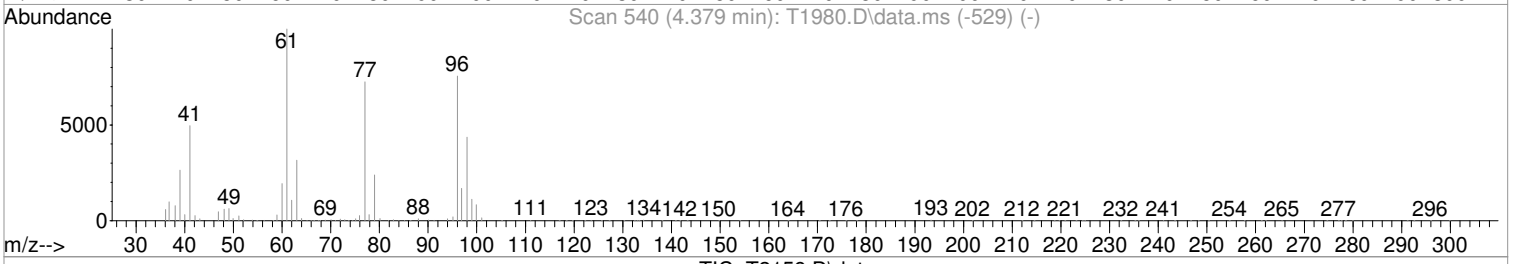
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2159.D
Acq On : 24 Sep 2020 5:13 pm
Operator : F.NAEGLER
Sample : R2008604-006|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 25 06:04:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2159.D\data.ms

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

4.379min (+0.000) 1.04 ug/L

response 3611

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	191.07#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/25/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2159.D
Acq On : 24 Sep 2020 5:13 pm
Operator : F.NAEGLER
Sample : R2008604-006|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 25 17:29:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

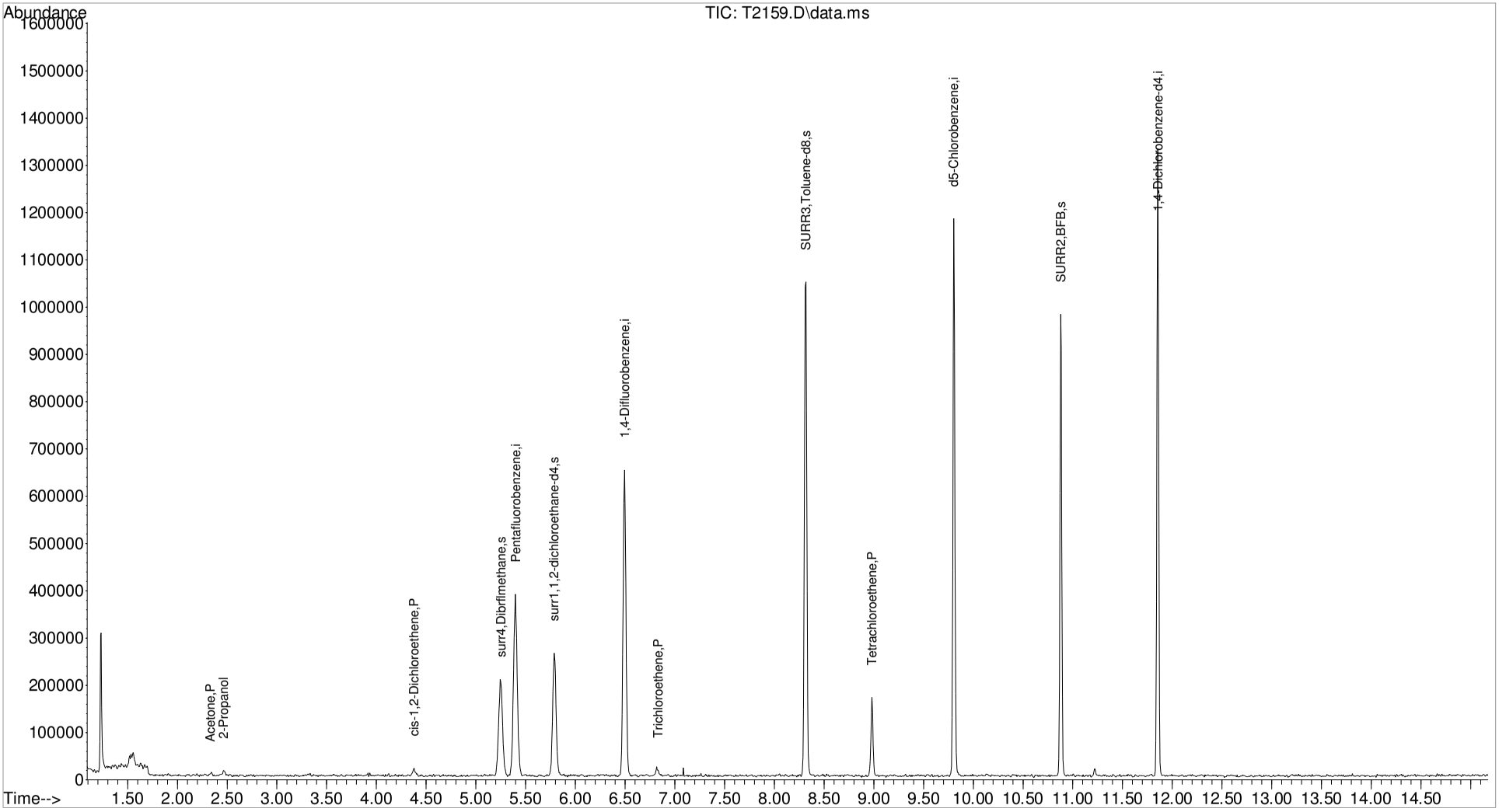
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	344292	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	538187	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	473209	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	238945	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	158858	48.60	ug/L		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.20%				
46) surr1,1,2-dichloroetha...	5.787	65	209567	53.98	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.96%				
64) SURR3,Toluene-d8	8.317	98	646917	51.49	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.98%				
69) SURR2,BFB	10.878	95	230705	46.58	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.16%				
Target Compounds							Qvalue
15) Acetone	2.331	43	5756	3.40	ug/L		86
16) 2-Propanol	2.465	45	9709	23.92	ug/L	#	48
21) Methyl Acetate	2.654	43	886	Below Cal			81
33) cis-1,2-Dichloroethene	4.379	96	6597m	1.90	ug/L		
37) Methacrylonitrile	4.739	67	346	Below Cal		#	1
38) Tetrahydrofuran	4.794	42	362	Below Cal		#	37
42) Cyclohexane	5.415	41	398	Below Cal			86
53) Trichloroethene	6.830	130	4783	1.49	ug/L	#	73
71) Tetrachloroethene	8.982	164	26736	10.76	ug/L		96

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

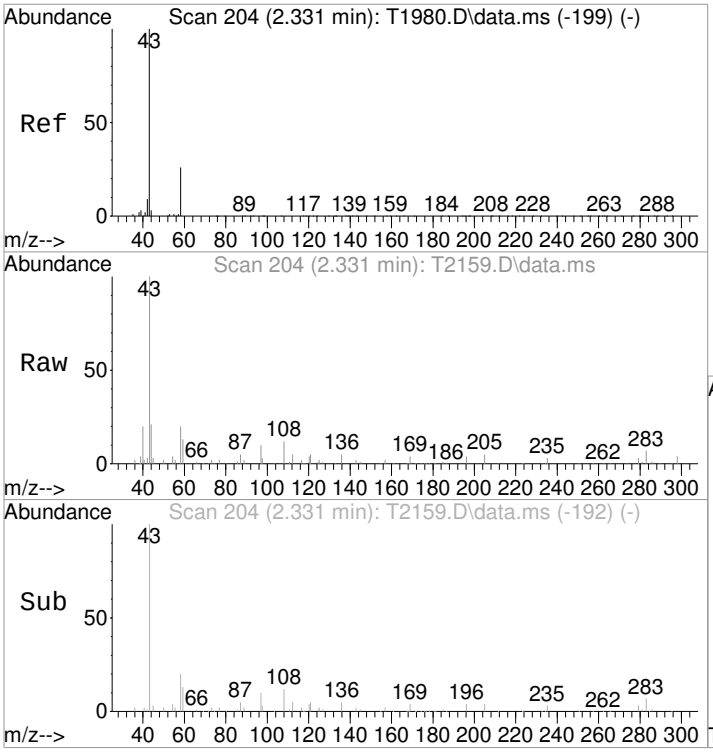
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2159.D
Acq On : 24 Sep 2020 5:13 pm
Operator : F.NAEGLER
Sample : R2008604-006|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 25 17:29:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



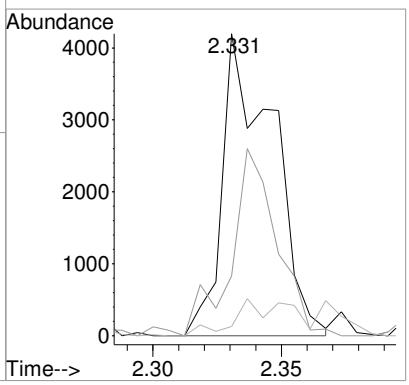
1st FJ 09/25/20
2nd 09/26/20

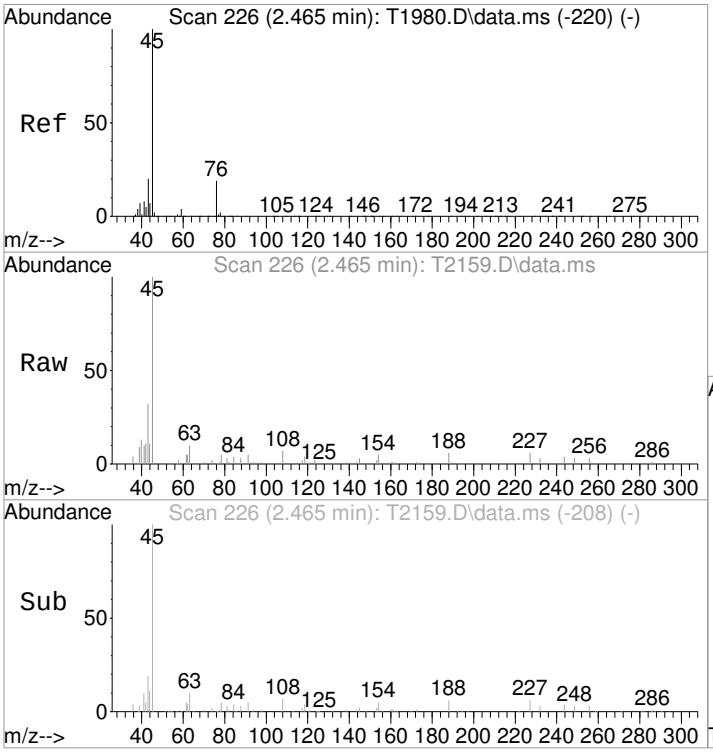


#15
Acetone
Concen: 3.40 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion: 43 Resp: 5756

Ion	Ratio	Lower	Upper
43	100		
58	19.8	6.1	46.1
42	3.0	0.0	29.3

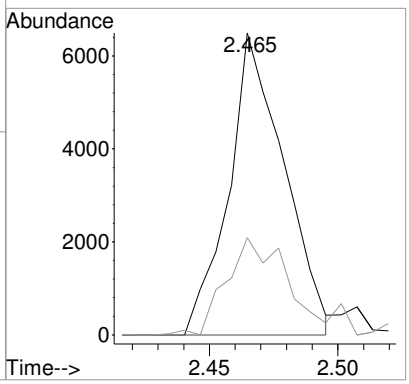


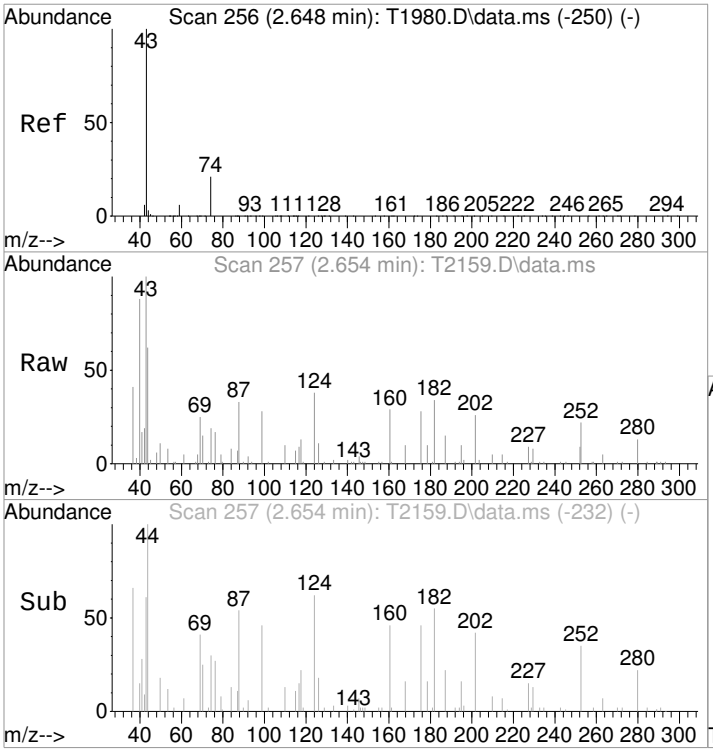


#16
2-Propanol
Concen: 23.92 ug/L
RT: 2.465 min Scan# 226
Delta R.T. 0.000 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion: 45 Resp: 9709

Ion	Ratio	Lower	Upper
45	100		
43	43.6	0.0	39.8#

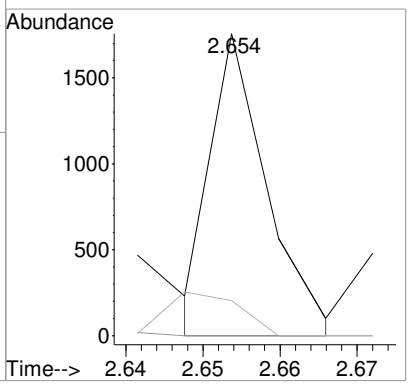


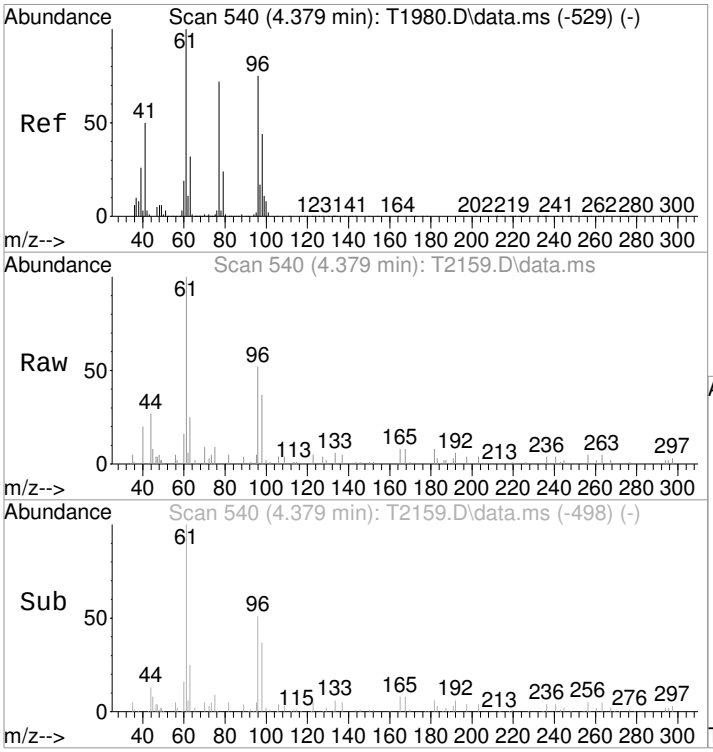


#21
Methyl Acetate
Concen: Below Cal
RT: 2.654 min Scan# 257
Delta R.T. 0.007 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion: 43 Resp: 886

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	11.6	0.6	40.6

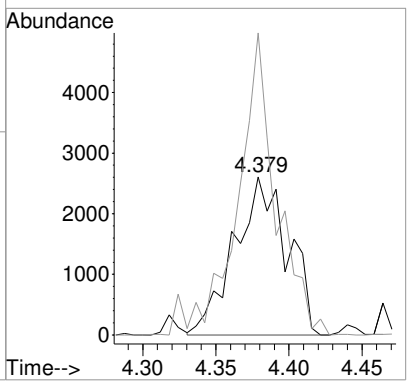


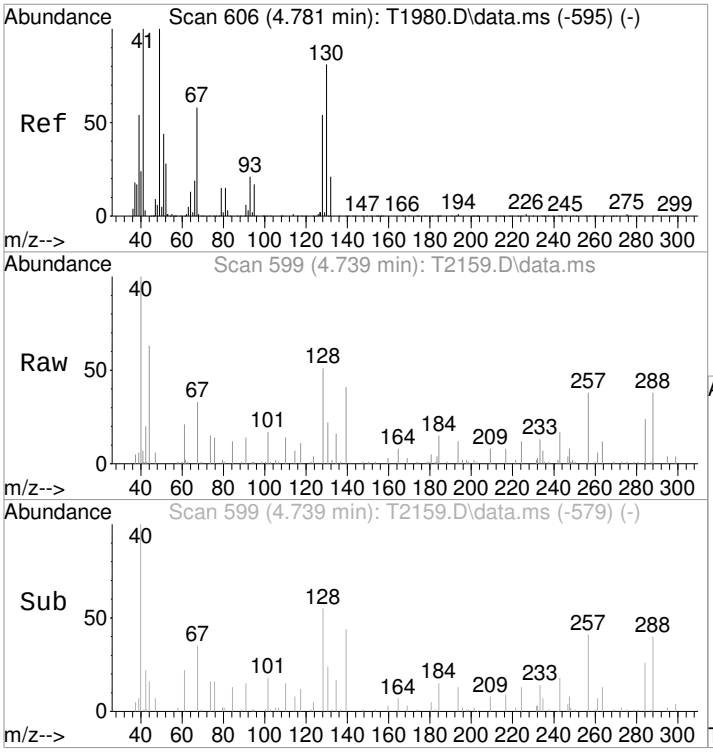


#33
cis-1,2-Dichloroethene
Concen: 1.90 ug/L m
RT: 4.379 min Scan# 540
Delta R.T. 0.000 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion: 96 Resp: 6597

Ion	Ratio	Lower	Upper
96	100		
61	191.1	113.1	153.1#

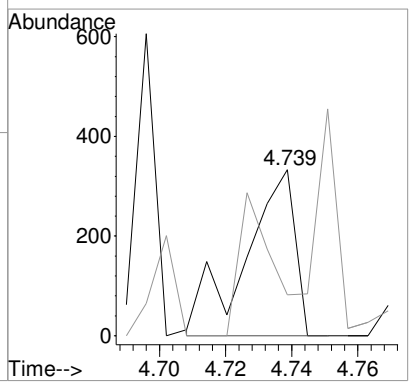


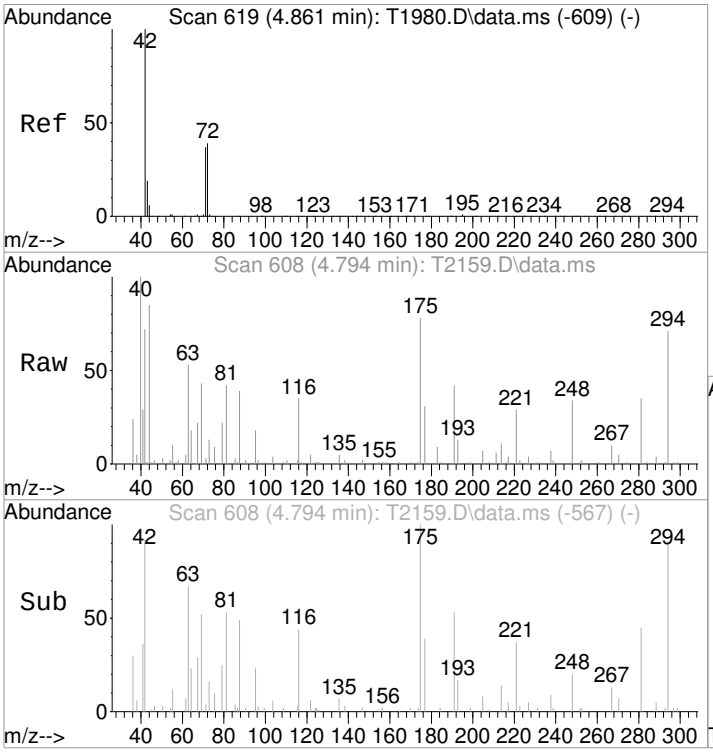


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.739 min Scan# 599
Delta R.T. -0.042 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion: 67 Resp: 346

Ion	Ratio	Lower	Upper
67	100		
41	24.6	154.0	194.0#

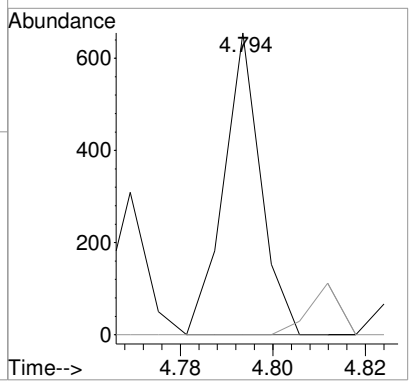


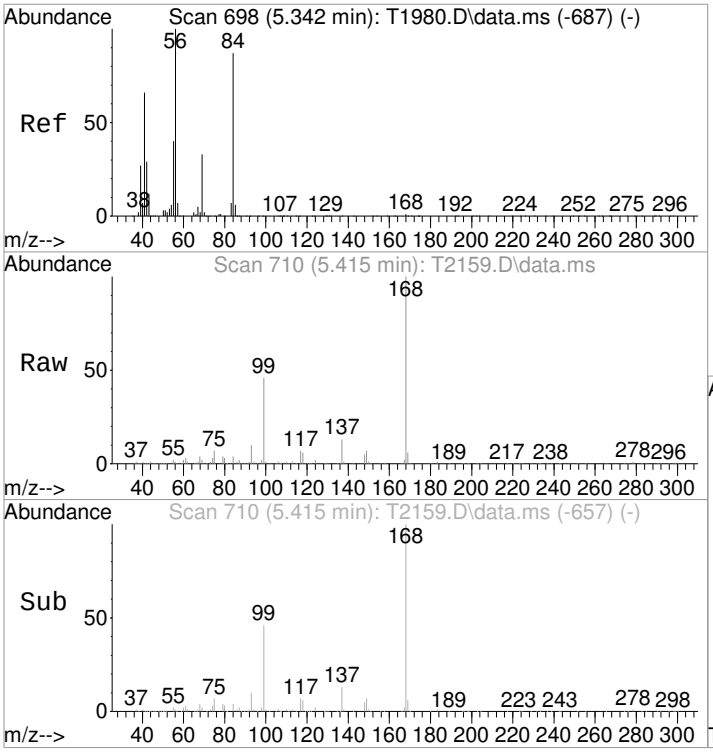


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.794 min Scan# 608
Delta R.T. -0.066 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion: 42 Resp: 362

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

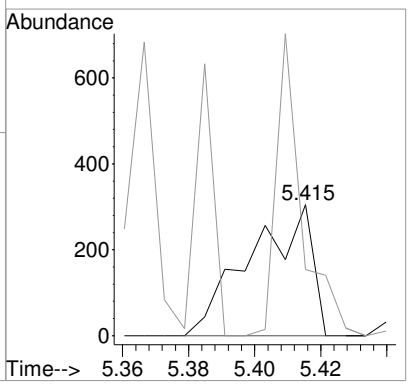


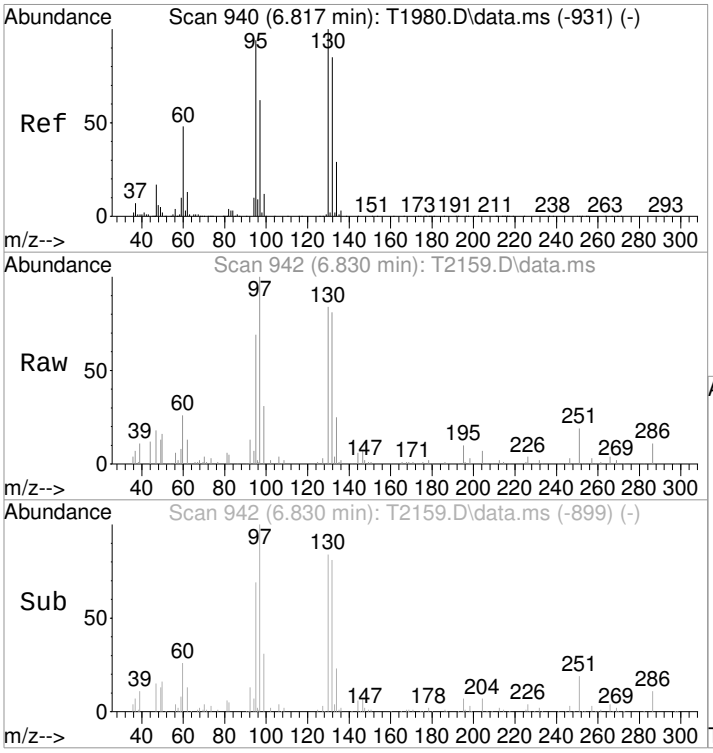


#42
Cyclohexane
Concen: Below Cal
RT: 5.415 min Scan# 710
Delta R.T. 0.073 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion: 41 Resp: 398

Ion	Ratio	Lower	Upper
41	100		
39	50.5	21.9	61.9

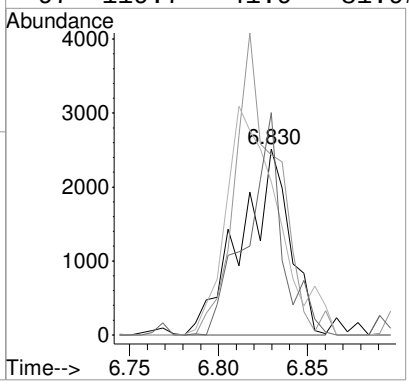


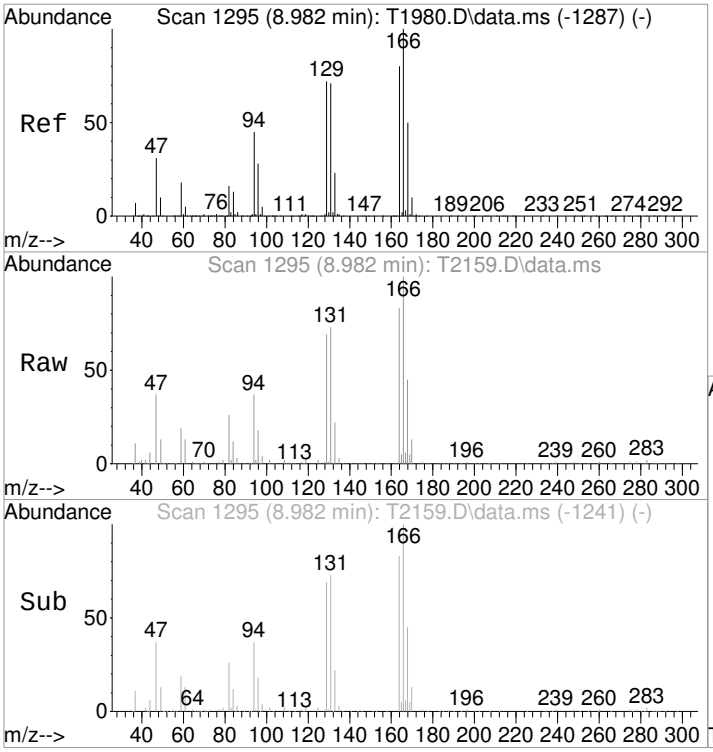


#53
Trichloroethene
Concen: 1.49 ug/L
RT: 6.830 min Scan# 942
Delta R.T. 0.012 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion:130 Resp: 4783

Ion	Ratio	Lower	Upper
130	100		
132	96.9	65.4	105.4
95	85.3	73.7	113.7
97	119.7	41.9	81.9#

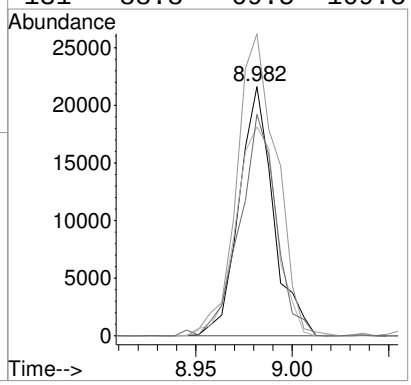




#71
Tetrachloroethene
Concen: 10.76 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: T2159.D
Acq: 24 Sep 2020 5:13 pm

Tgt Ion:164 Resp: 26736

Ion	Ratio	Lower	Upper
164	100		
166	121.1	105.6	145.6
129	83.7	69.9	109.9
131	88.8	69.5	109.5



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2164.D
Acq On : 24 Sep 2020 7:02 pm
Operator : F.NAEGLER
Sample : R2008604-007|2.5 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 25 17:38:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

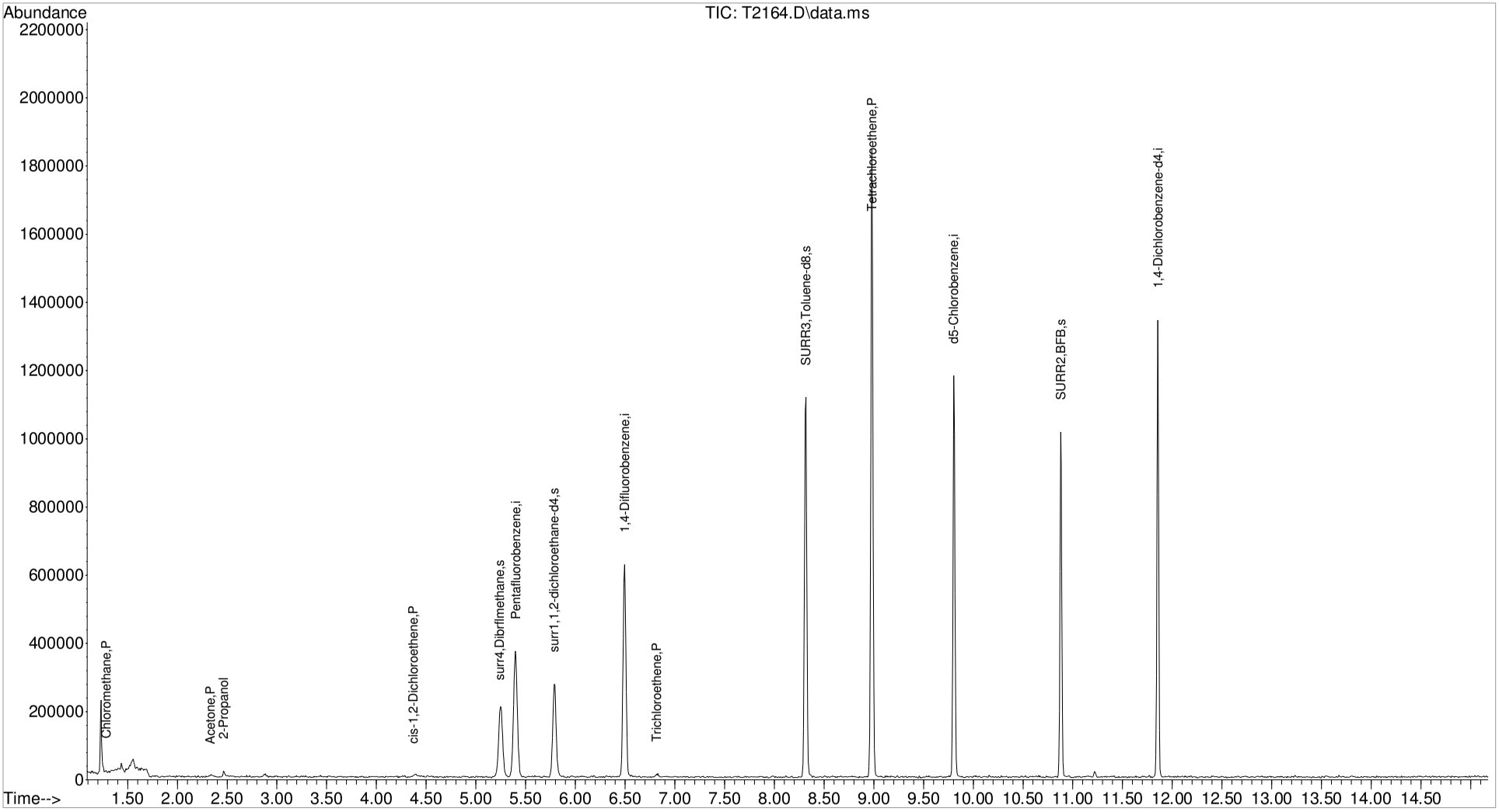
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	345103	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	515466	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	477467	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	237191	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	167197	53.40	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 106.80%			
46) surr1,1,2-dichloroetha...	5.787	65	218081	58.64	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 117.28%			
64) SURR3,Toluene-d8	8.317	98	643934	53.51	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 107.02%			
69) SURR2,BFB	10.878	95	242252	51.07	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.14%			
Target Compounds						Qvalue
3) Chloromethane	1.282	50	1358	0.27	ug/L	73
10) Freon 123a	2.160	67	284	Below Cal		82
15) Acetone	2.330	43	7420	4.38	ug/L	87
16) 2-Propanol	2.465	45	13484	33.14	ug/L	91
21) Methyl Acetate	2.654	43	577	Below Cal		93
33) cis-1,2-Dichloroethene	4.373	96	3291	0.95	ug/L #	16
37) Methacrylonitrile	4.738	67	482	Below Cal	#	1
38) Tetrahydrofuran	4.867	42	918	Below Cal	#	39
42) Cyclohexane	5.348	41	279	Below Cal	#	34
53) Trichloroethene	6.817	130	2592	0.84	ug/L #	56
58) Methyl Methacrylate	7.329	69	292	Below Cal	#	54
60) 2-Nitropropane	7.750	41	465	Below Cal		91
71) Tetrachloroethene	8.982	164	356225	142.14	ug/L	96

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

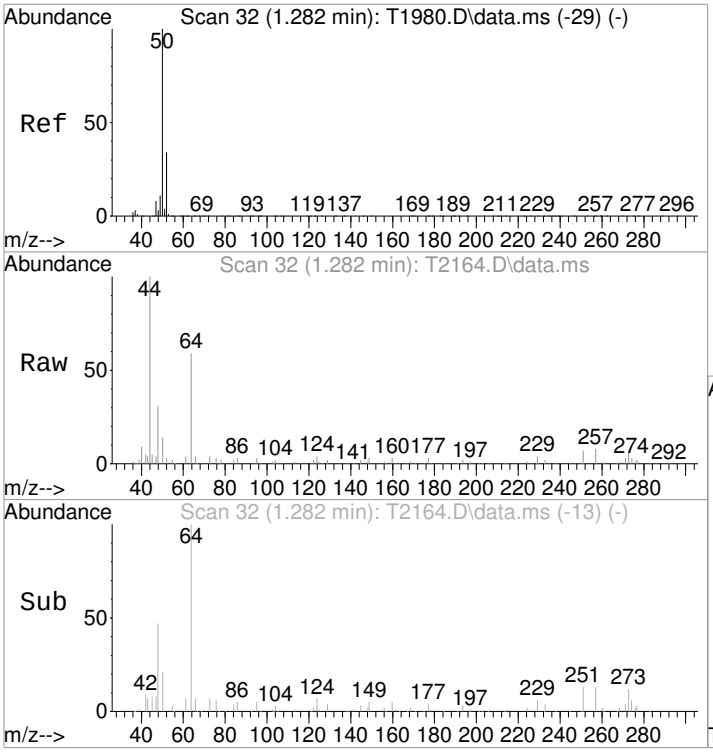
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2164.D
Acq On : 24 Sep 2020 7:02 pm
Operator : F.NAEGLER
Sample : R2008604-007|2.5 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 25 17:38:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



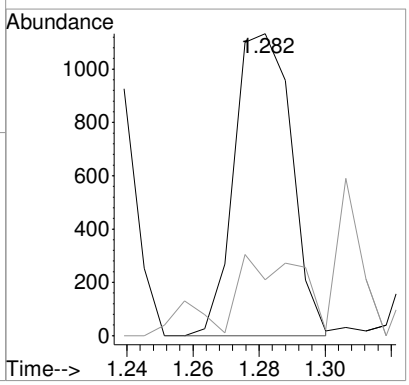
1st FJ 09/25/20
2nd 09/26/20

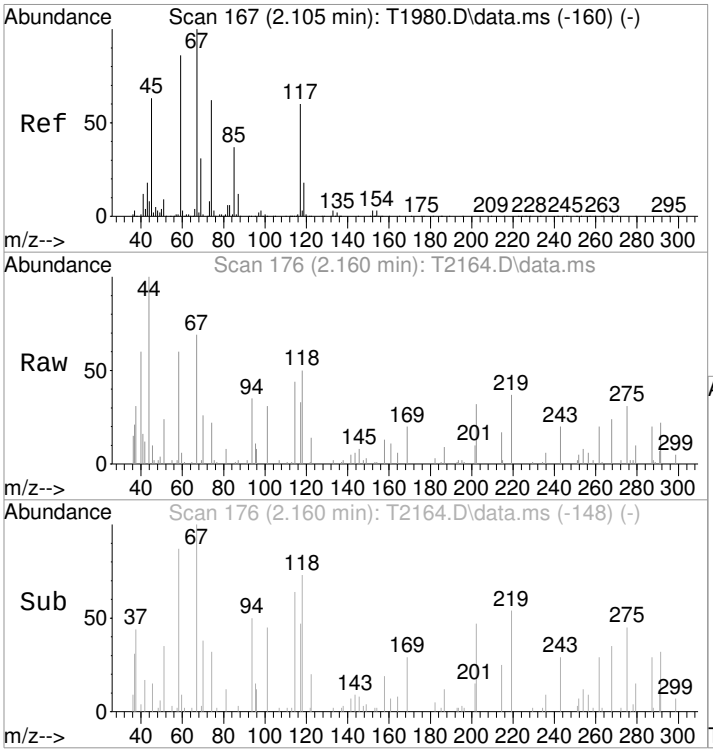


#3
Chloromethane
Concen: 0.27 ug/L
RT: 1.282 min Scan# 32
Delta R.T. -0.000 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 50 Resp: 1358

Ion	Ratio	Lower	Upper
50	100		
52	18.5	13.7	53.7

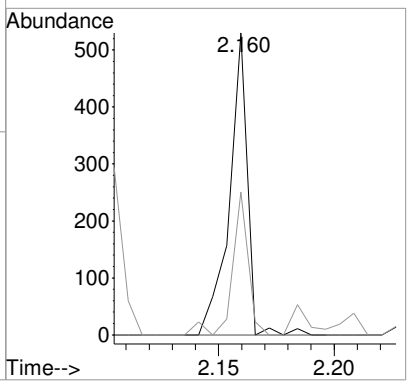


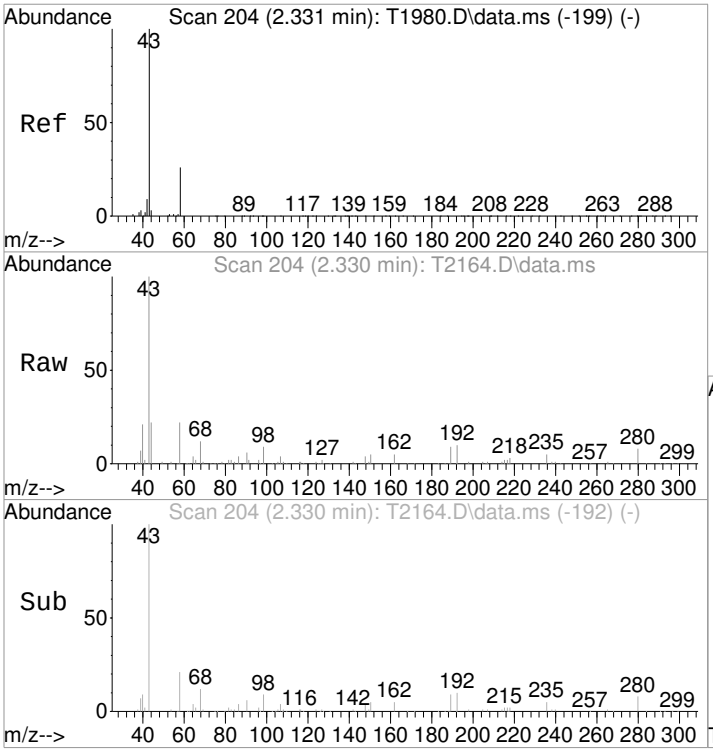


#10
Freon 123a
Concen: Below Cal
RT: 2.160 min Scan# 176
Delta R.T. 0.055 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 67 Resp: 284

Ion	Ratio	Lower	Upper
67	100		
117	47.4	40.7	80.7

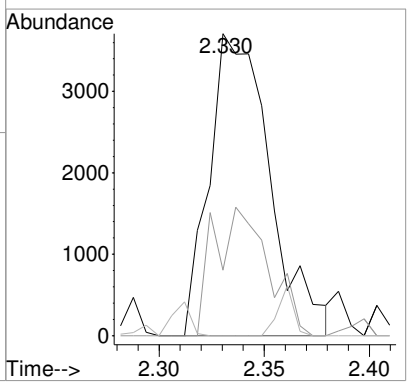


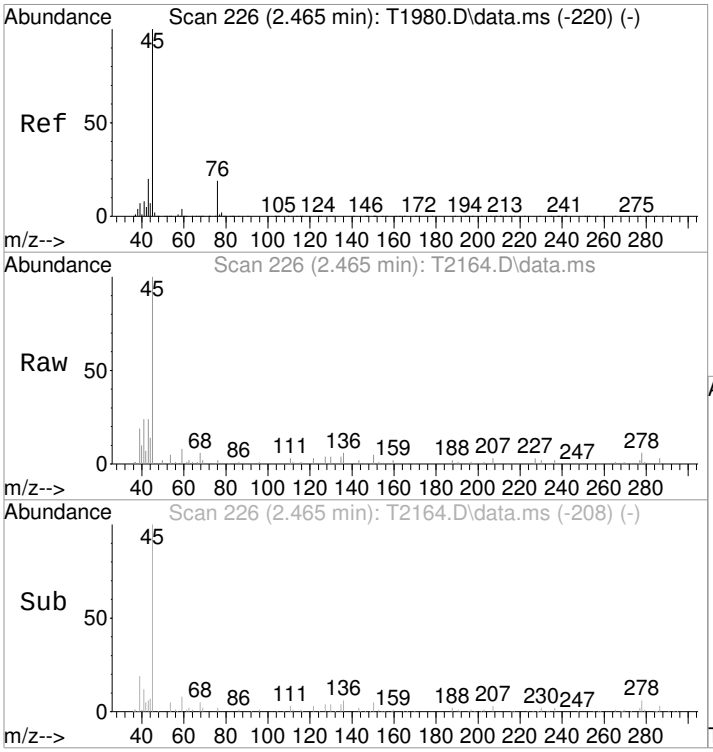


#15
Acetone
Concen: 4.38 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 43 Resp: 7420

Ion	Ratio	Lower	Upper
43	100		
58	21.7	6.1	46.1
42	0.0	0.0	29.3

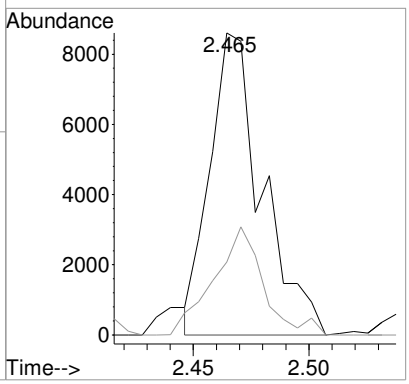


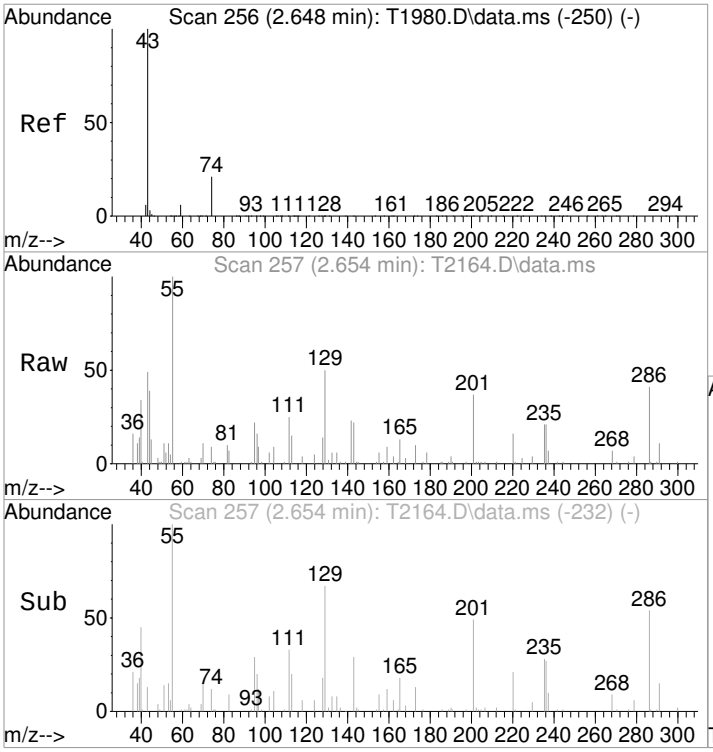


#16
2-Propanol
Concen: 33.14 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.000 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 45 Resp: 13484

Ion	Ratio	Lower	Upper
45	100		
43	24.1	0.0	39.8

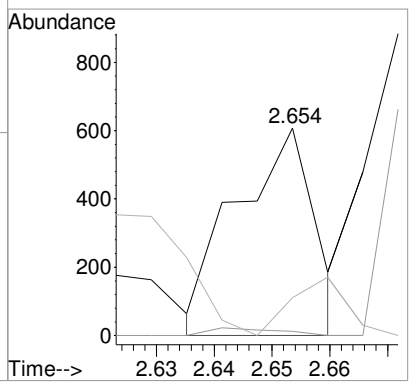


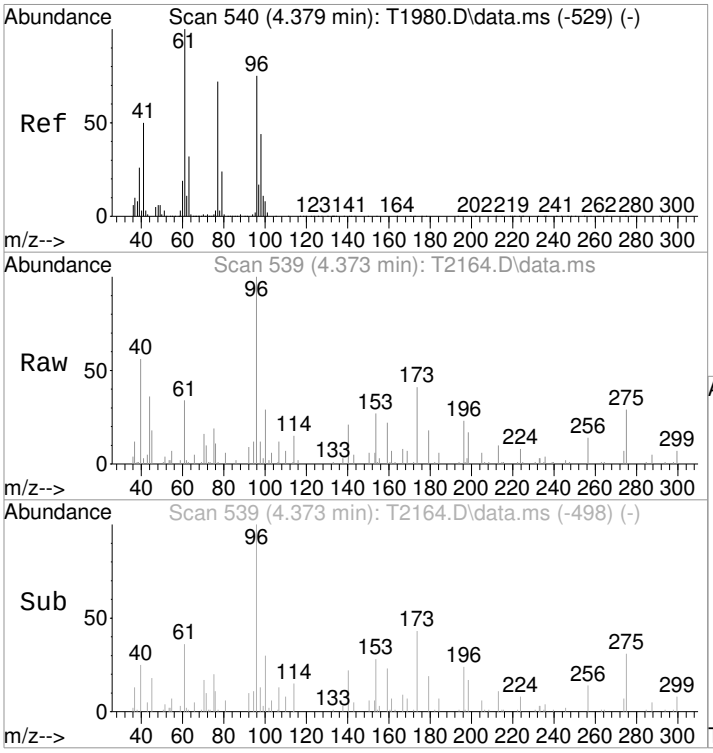


#21
Methyl Acetate
Concen: Below Cal
RT: 2.654 min Scan# 257
Delta R.T. 0.007 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 43 Resp: 577

Ion	Ratio	Lower	Upper
43	100		
59	2.0	0.0	26.4
74	18.3	0.6	40.6

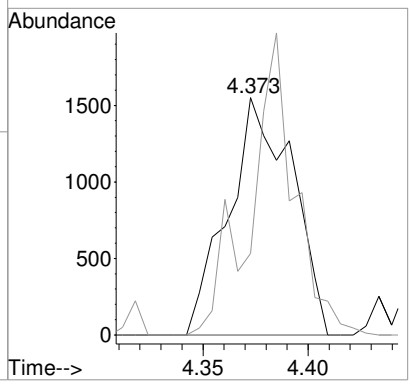


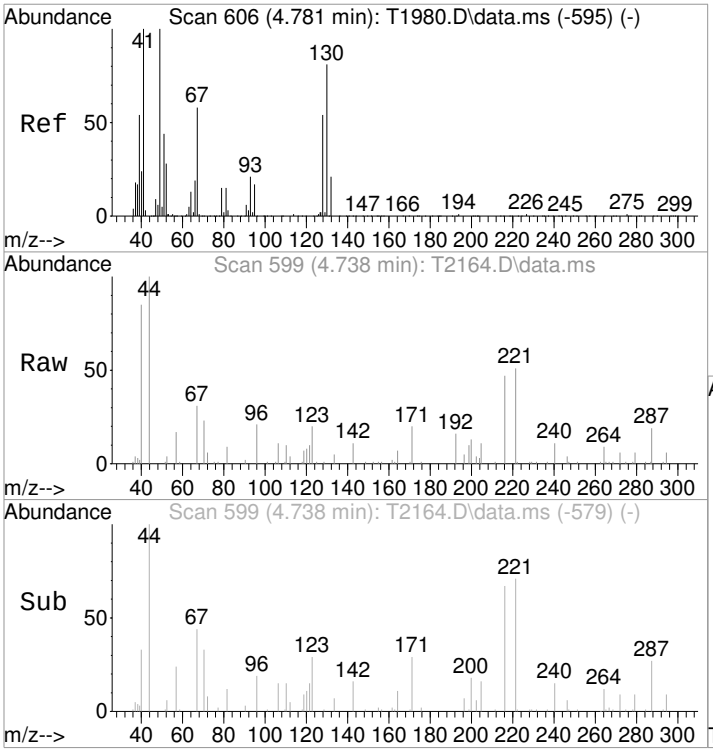


#33
cis-1,2-Dichloroethene
Concen: 0.95 ug/L
RT: 4.373 min Scan# 539
Delta R.T. -0.006 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 96 Resp: 3291

Ion	Ratio	Lower	Upper
96	100		
61	34.4	113.1	153.1#

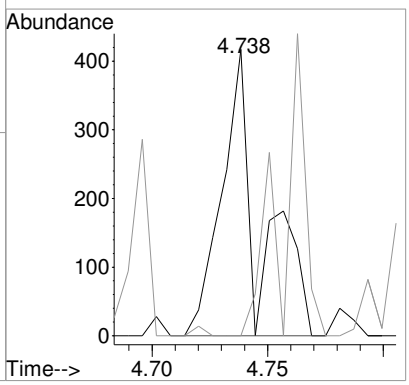


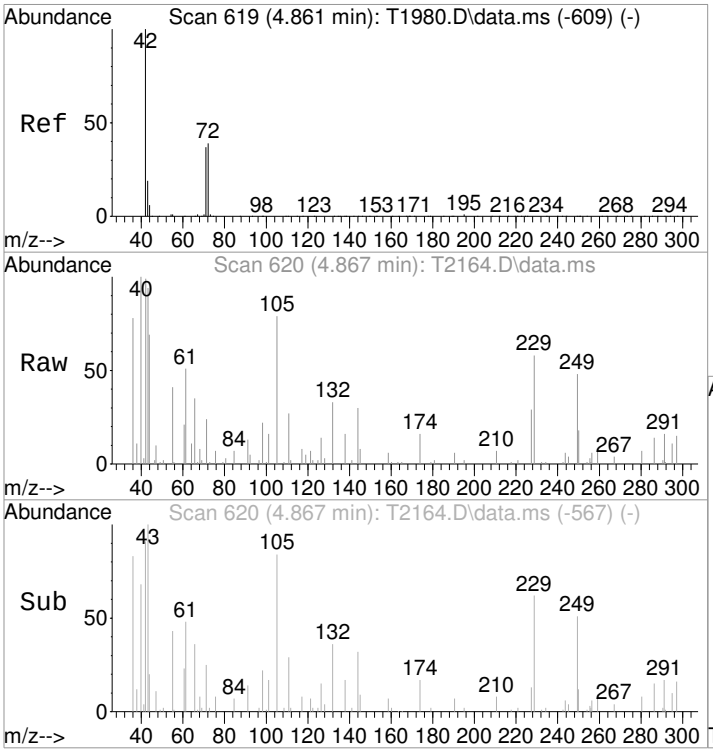


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.738 min Scan# 599
Delta R.T. -0.043 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 67 Resp: 482

Ion	Ratio	Lower	Upper
67	100		
41	0.0	154.0	194.0#

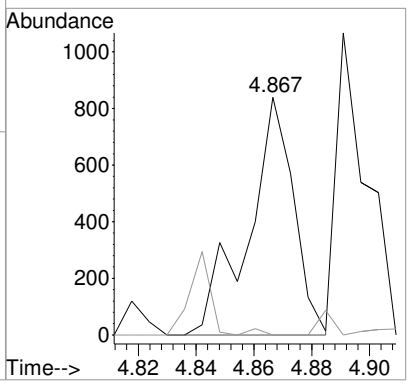


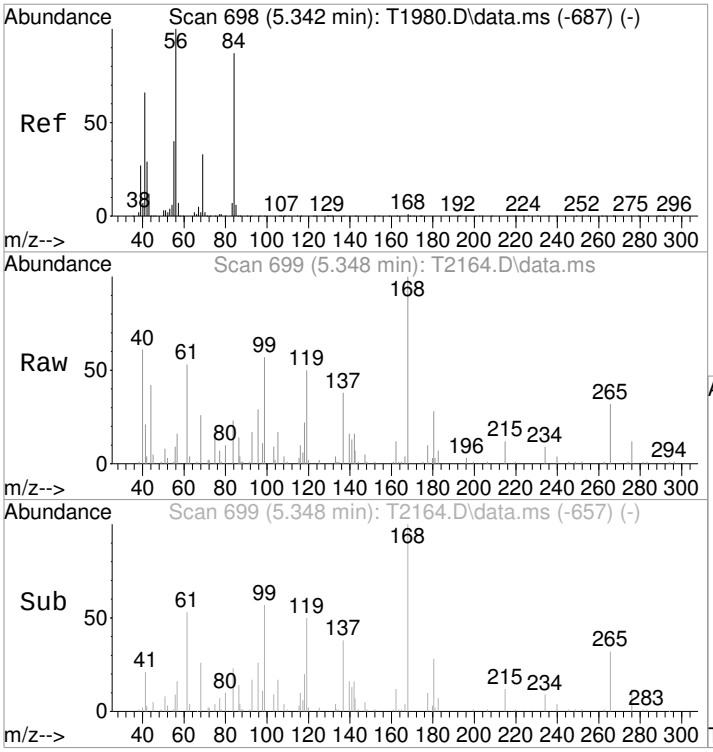


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.867 min Scan# 620
Delta R.T. 0.006 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 42 Resp: 918

Ion	Ratio	Lower	Upper
42	100		
72	1.4	18.3	58.3#

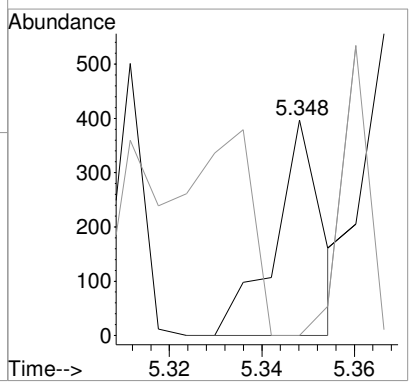


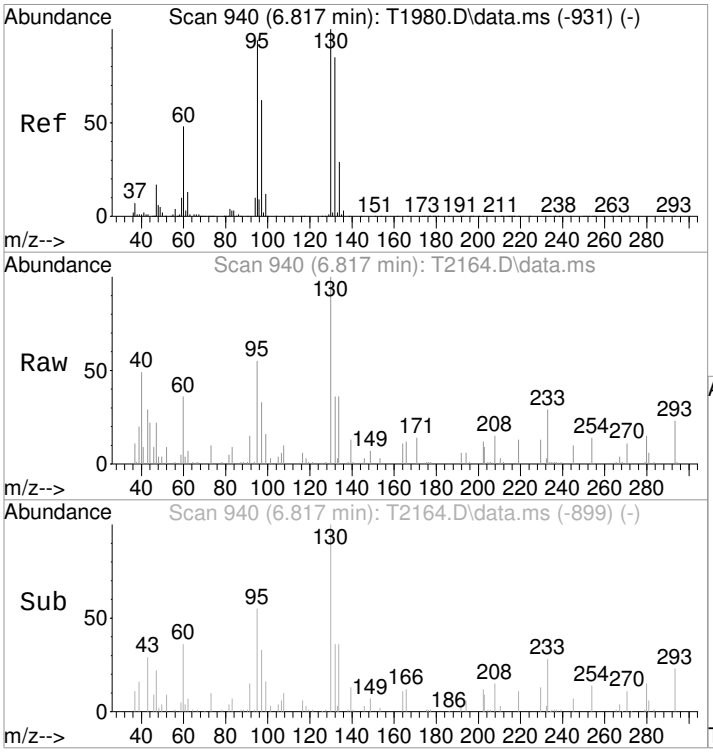


#42
Cyclohexane
Concen: Below Cal
RT: 5.348 min Scan# 699
Delta R.T. 0.006 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 41 Resp: 279

Ion	Ratio	Lower	Upper
41	100		
39	0.0	21.9	61.9#

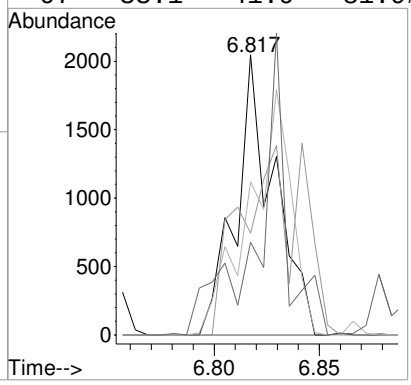


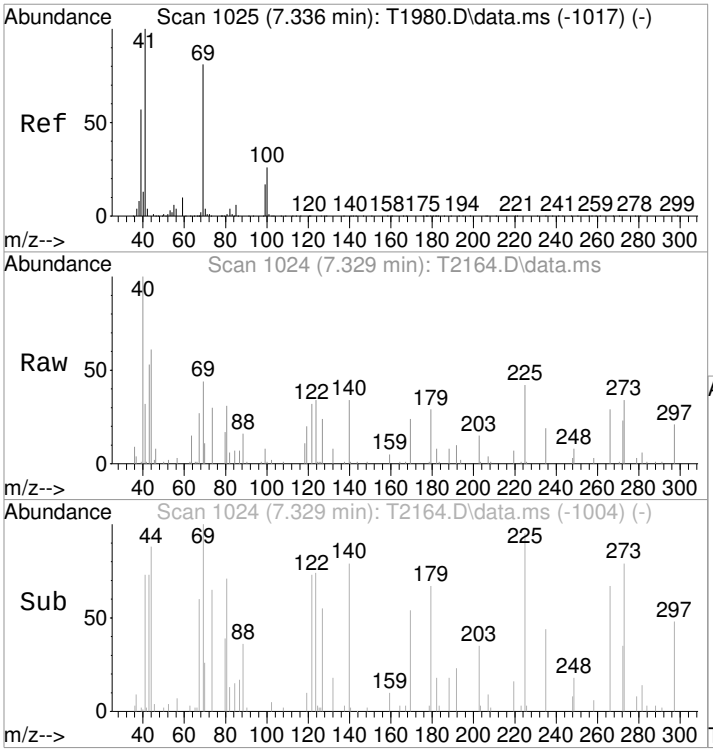


#53
Trichloroethene
Concen: 0.84 ug/L
RT: 6.817 min Scan# 940
Delta R.T. -0.000 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion:130 Resp: 2592

Ion	Ratio	Lower	Upper
130	100		
132	36.3	65.4	105.4#
95	54.7	73.7	113.7#
97	33.1	41.9	81.9#

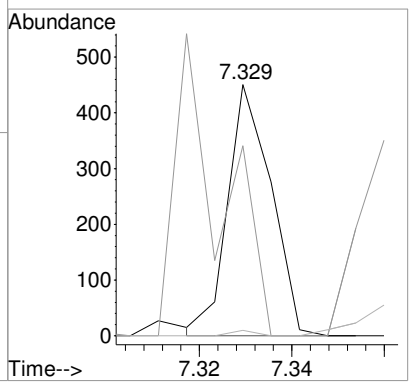


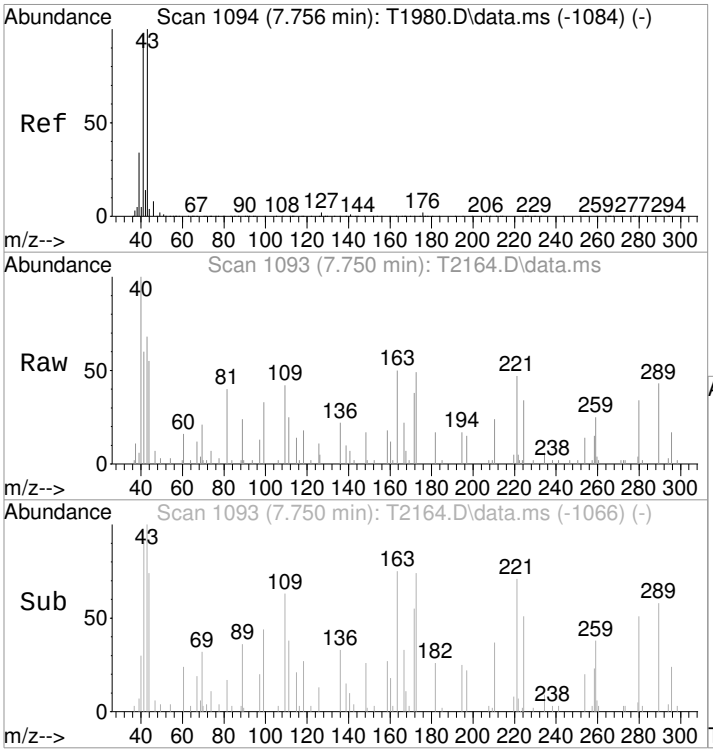


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.329 min Scan# 1024
Delta R.T. -0.006 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 69 Resp: 292

Ion	Ratio	Lower	Upper
69	100		
41	75.6	105.7	145.7#
100	2.2	12.5	52.5#

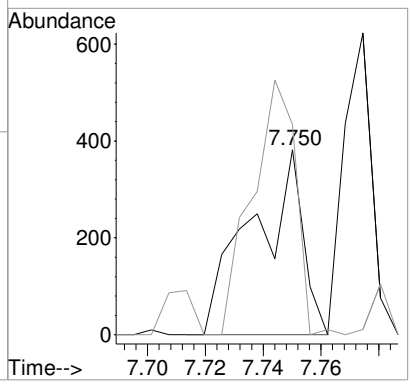


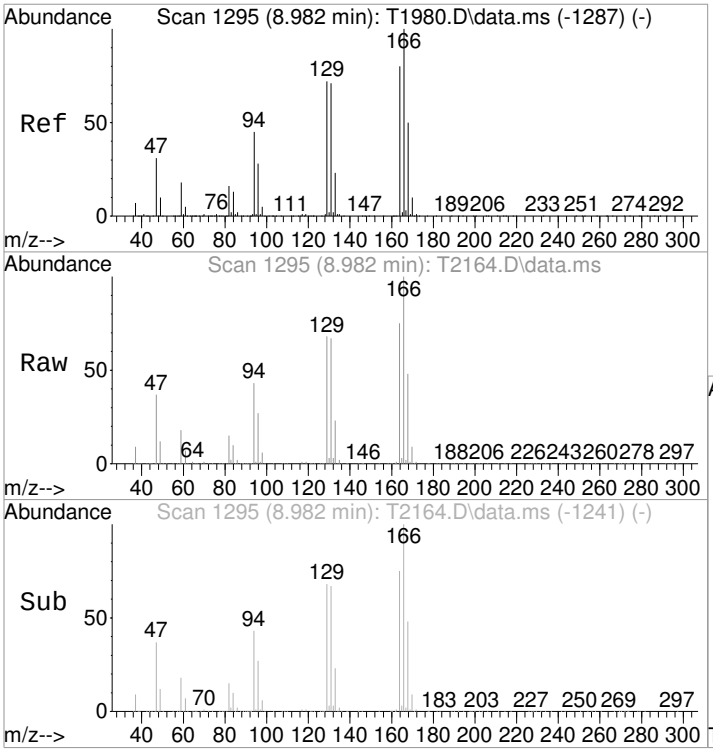


#60
2-Nitropropane
Concen: Below Cal
RT: 7.750 min Scan# 1093
Delta R.T. -0.006 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion: 41 Resp: 465

Ion	Ratio	Lower	Upper
41	100		
43	113.6	84.5	124.5

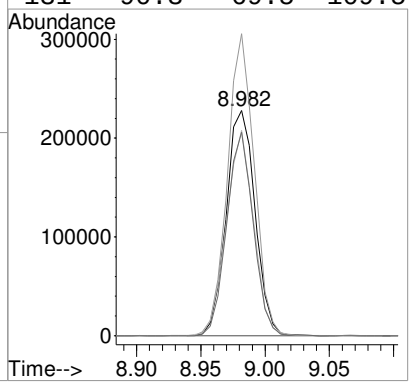




#71
Tetrachloroethene
Concen: 142.14 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: T2164.D
Acq: 24 Sep 2020 7:02 pm

Tgt Ion:164 Resp: 356225

Ion	Ratio	Lower	Upper
164	100		
166	134.1	105.6	145.6
129	91.1	69.9	109.9
131	90.3	69.5	109.5



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2165.D
Acq On : 24 Sep 2020 7:24 pm
Operator : F.NAEGLER
Sample : R2008604-008|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 25 17:40:09 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

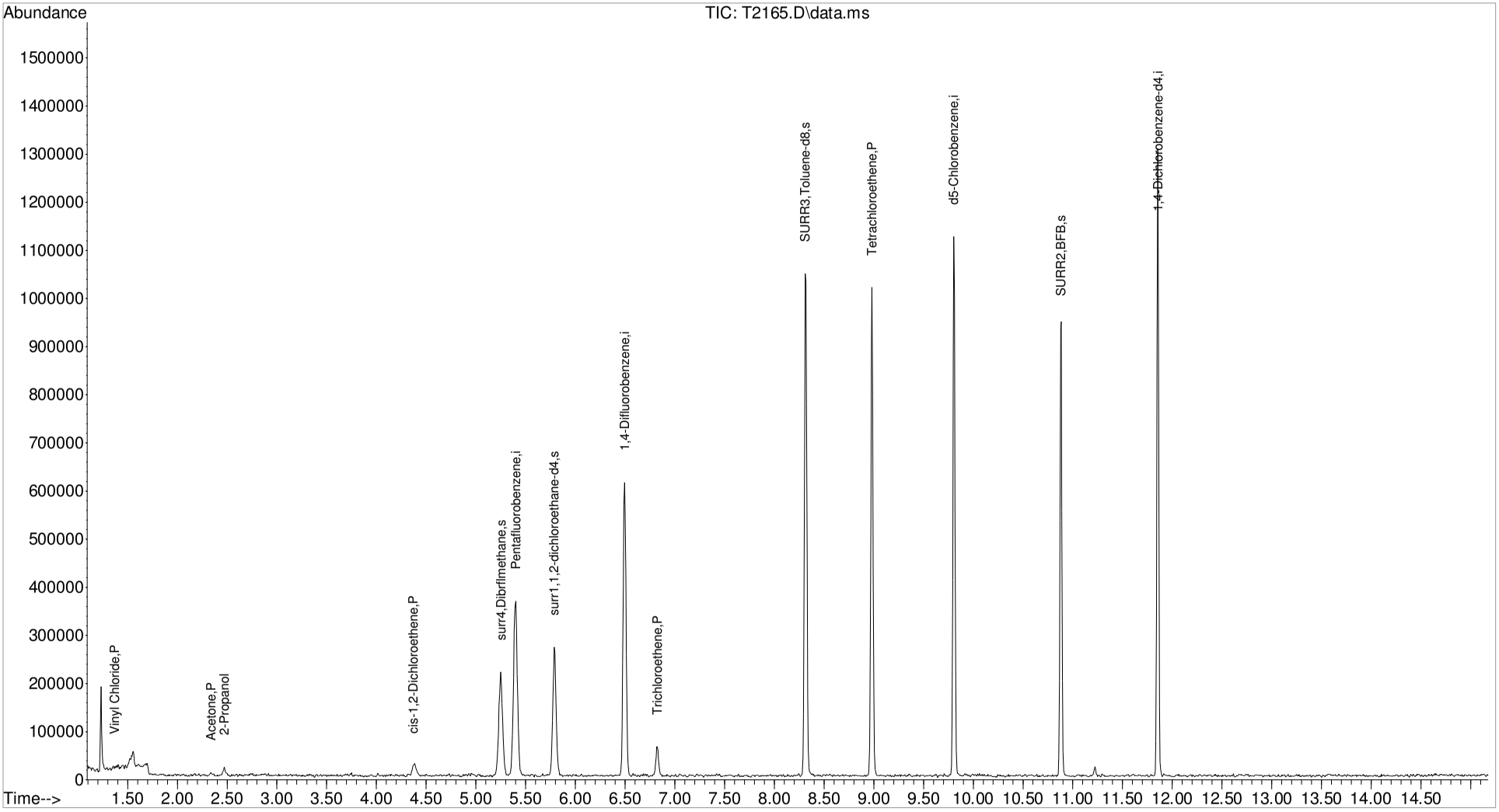
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	349365	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	510648	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	487144	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	237134	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	169021	54.49	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 108.98%				
46) surr1,1,2-dichloroetha...	5.787	65	210414	57.12	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 114.24%				
64) SURR3,Toluene-d8	8.311	98	642077	53.86	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 107.72%				
69) SURR2,BFB	10.878	95	234451	49.89	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.78%				
Target Compounds							Qvalue
4) Vinyl Chloride	1.373	62	1065	0.25	ug/L	#	1
10) Freon 123a	2.056	67	266	Below Cal		#	20
15) Acetone	2.337	43	4435	2.58	ug/L		93
16) 2-Propanol	2.471	45	17312	42.03	ug/L		88
21) Methyl Acetate	2.739	43	205	Below Cal			70
33) cis-1,2-Dichloroethene	4.373	96	12999	3.69	ug/L	#	74
38) Tetrahydrofuran	4.897	42	296	Below Cal		#	37
42) Cyclohexane	5.385	41	314	Below Cal			96
53) Trichloroethene	6.824	130	17888	5.85	ug/L		98
60) 2-Nitropropane	7.683	41	511	Below Cal		#	38
71) Tetrachloroethene	8.982	164	193987	75.87	ug/L		86

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

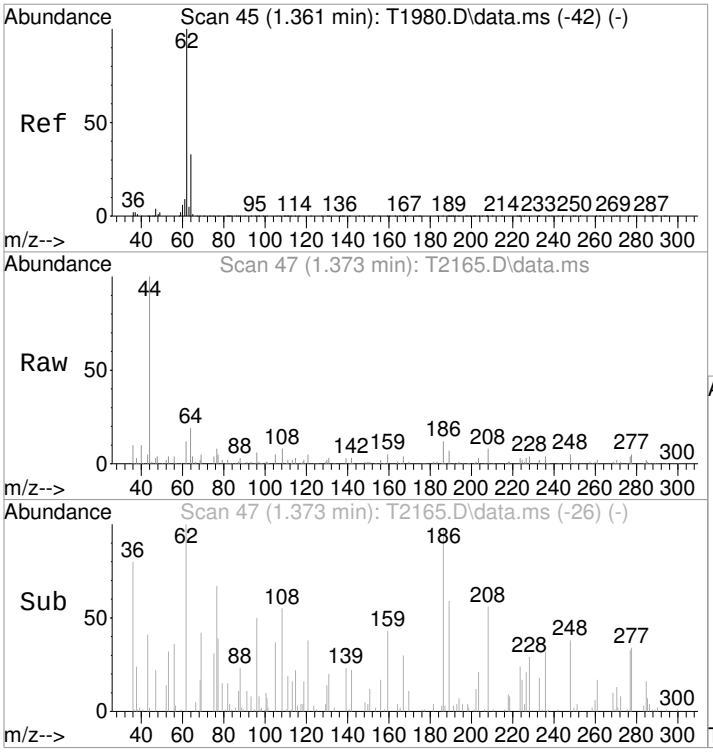
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2165.D
Acq On : 24 Sep 2020 7:24 pm
Operator : F.NAEGLER
Sample : R2008604-008|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 25 17:40:09 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



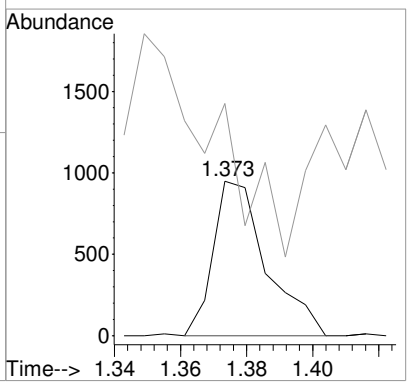
1st FJ 09/25/20
2nd 09/26/20

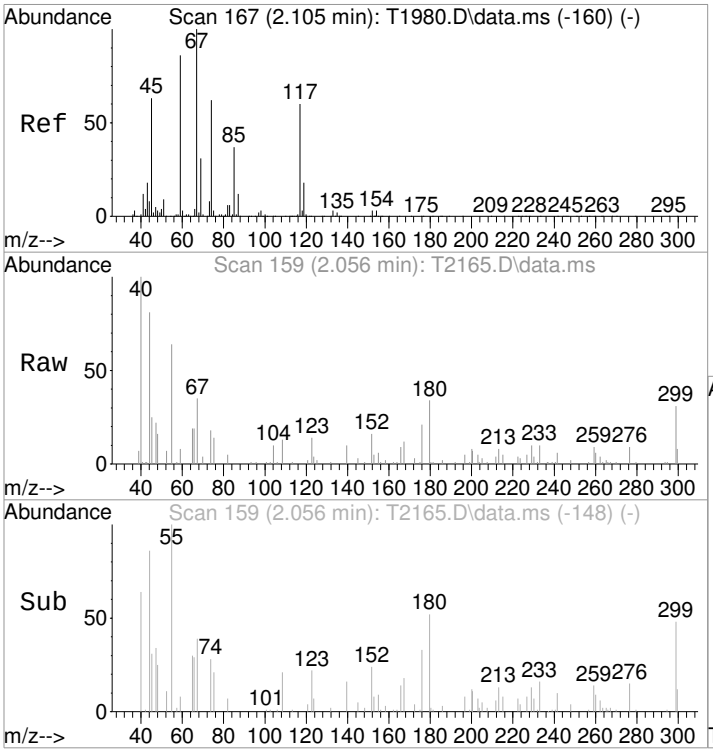


#4
Vinyl Chloride
Concen: 0.25 ug/L
RT: 1.373 min Scan# 47
Delta R.T. 0.012 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 62 Resp: 1065

Ion	Ratio	Lower	Upper
62	100		
64	186.2	13.3	53.3#

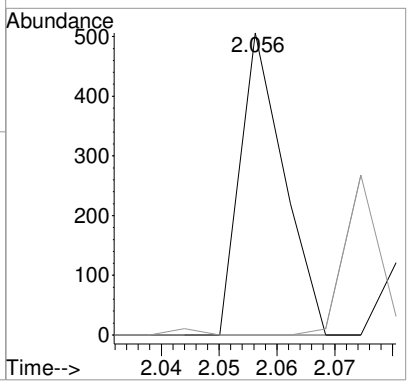


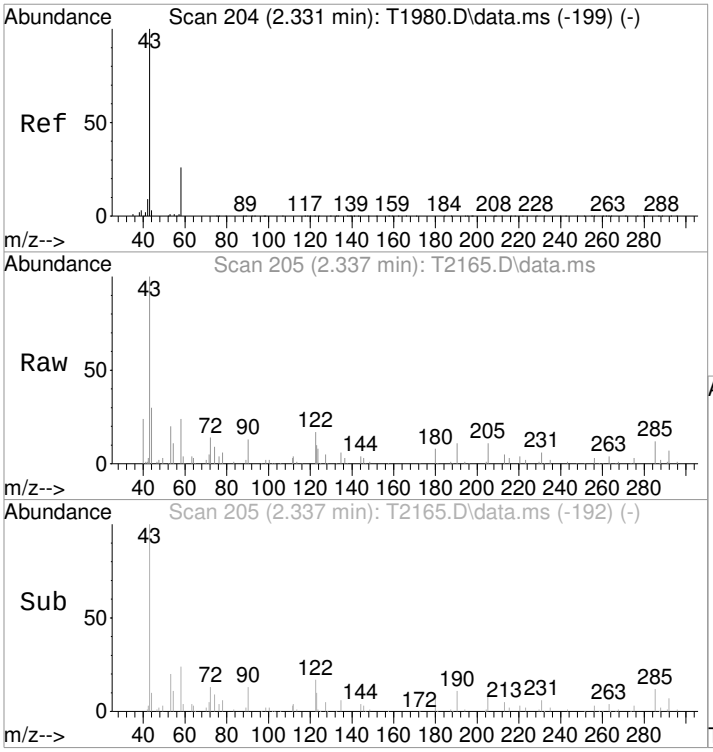


#10
Freon 123a
Concen: Below Cal
RT: 2.056 min Scan# 159
Delta R.T. -0.049 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 67 Resp: 266

Ion	Ratio	Lower	Upper
67	100		
117	0.0	40.7	80.7#

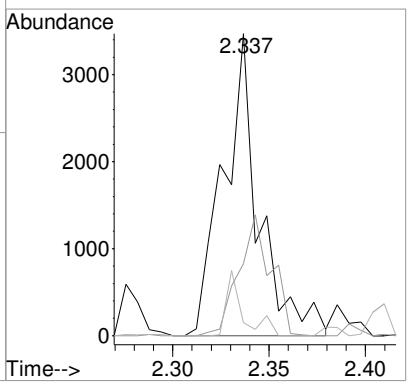


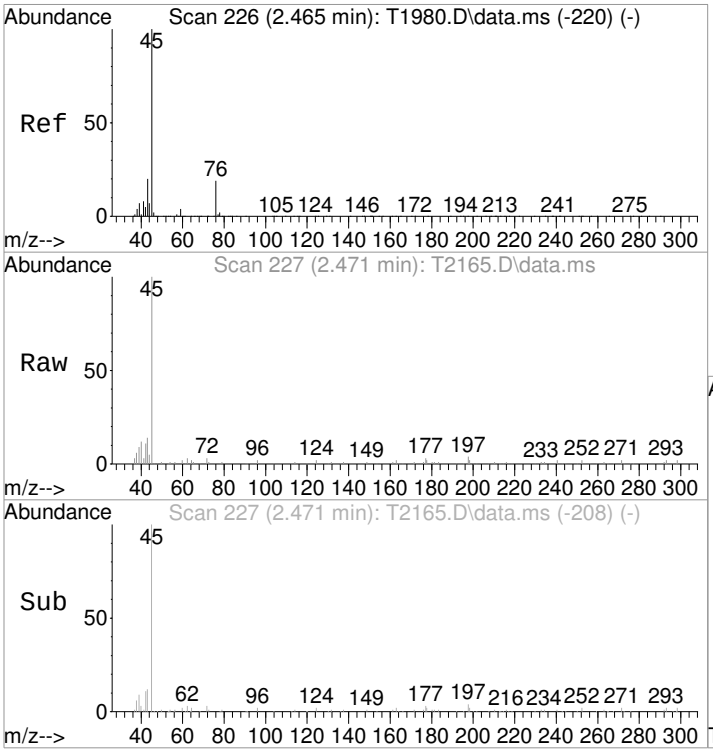


#15
Acetone
Concen: 2.58 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 43 Resp: 4435

Ion	Ratio	Lower	Upper
43	100		
58	23.8	6.1	46.1
42	4.3	0.0	29.3

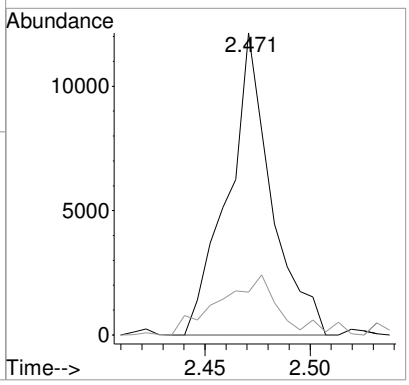


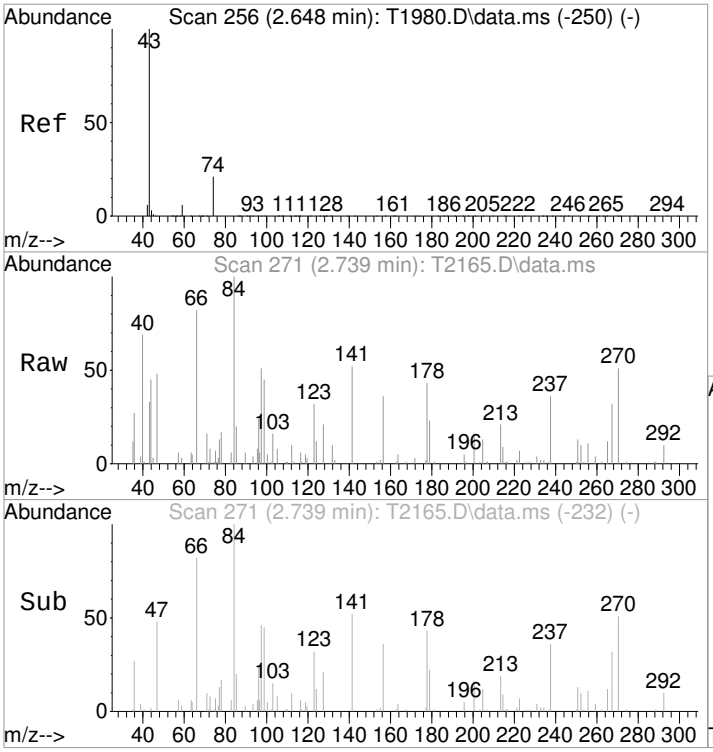


#16
2-Propanol
Concen: 42.03 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 45 Resp: 17312

Ion	Ratio	Lower	Upper
45	100		
43	14.1	0.0	39.8

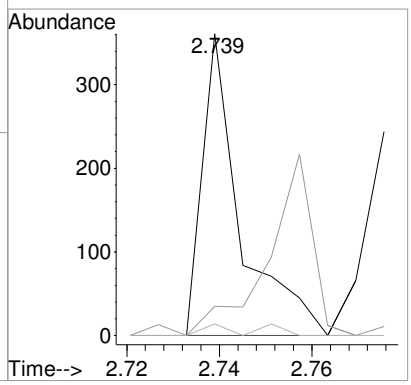


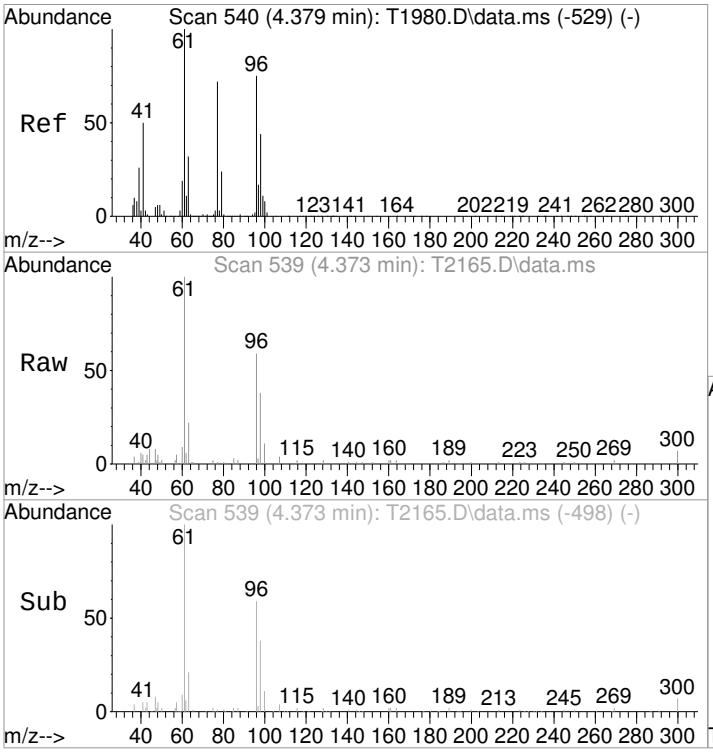


#21
Methyl Acetate
Concen: Below Cal
RT: 2.739 min Scan# 271
Delta R.T. 0.092 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 43 Resp: 205

Ion	Ratio	Lower	Upper
43	100		
59	9.7	0.0	26.4
74	3.9	0.6	40.6

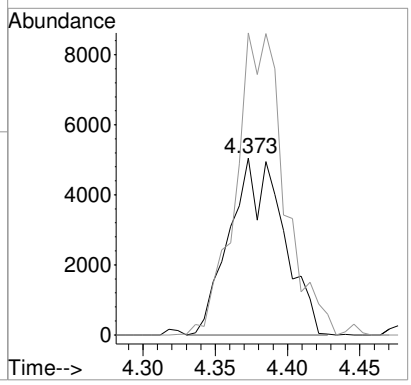


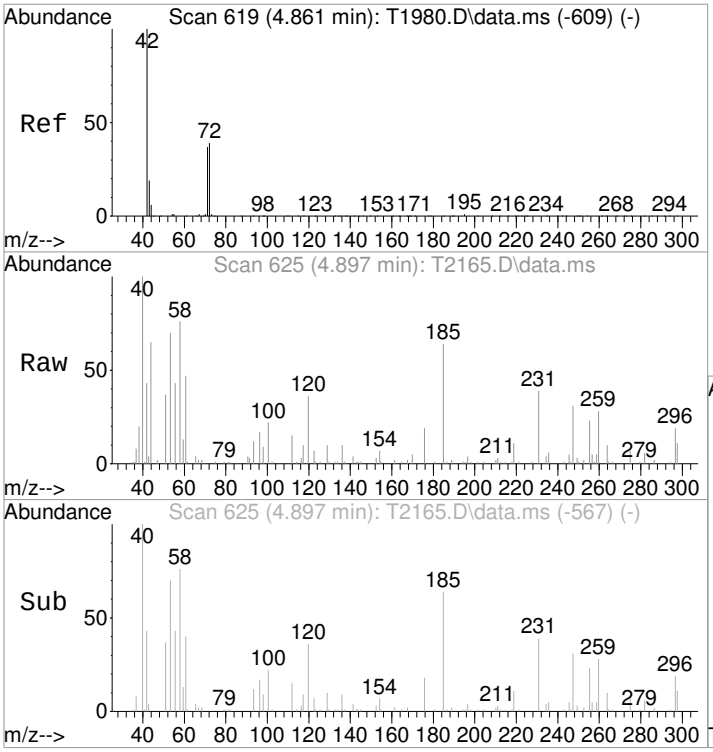


#33
cis-1,2-Dichloroethene
Concen: 3.69 ug/L
RT: 4.373 min Scan# 539
Delta R.T. -0.006 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 96 Resp: 12999

Ion	Ratio	Lower	Upper
96	100		
61	163.7	113.1	153.1#

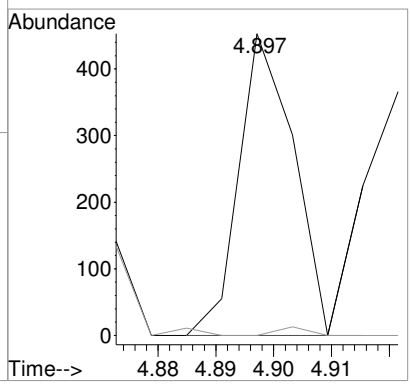


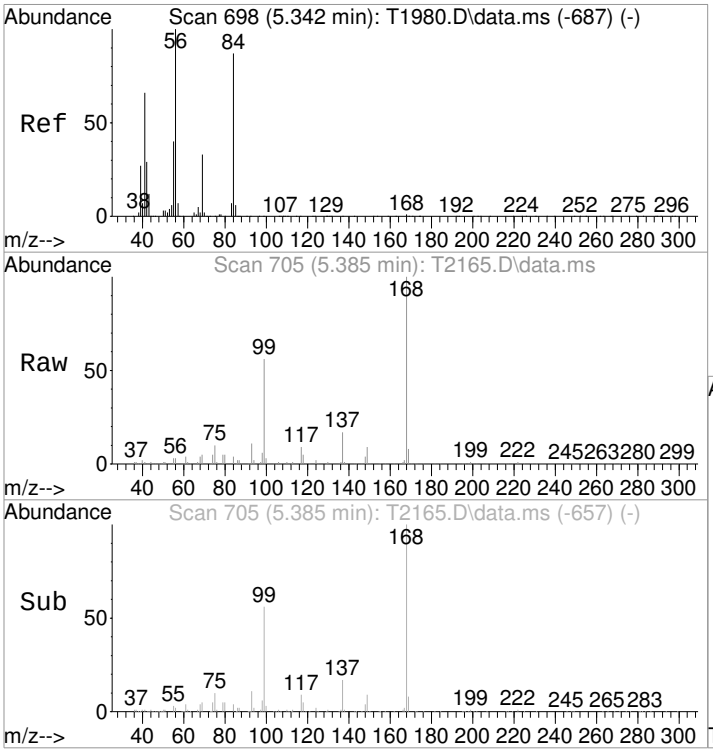


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.897 min Scan# 625
Delta R.T. 0.037 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 42 Resp: 296

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

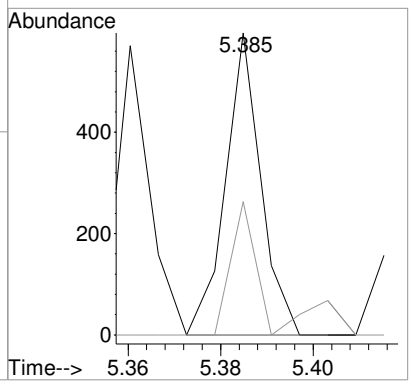


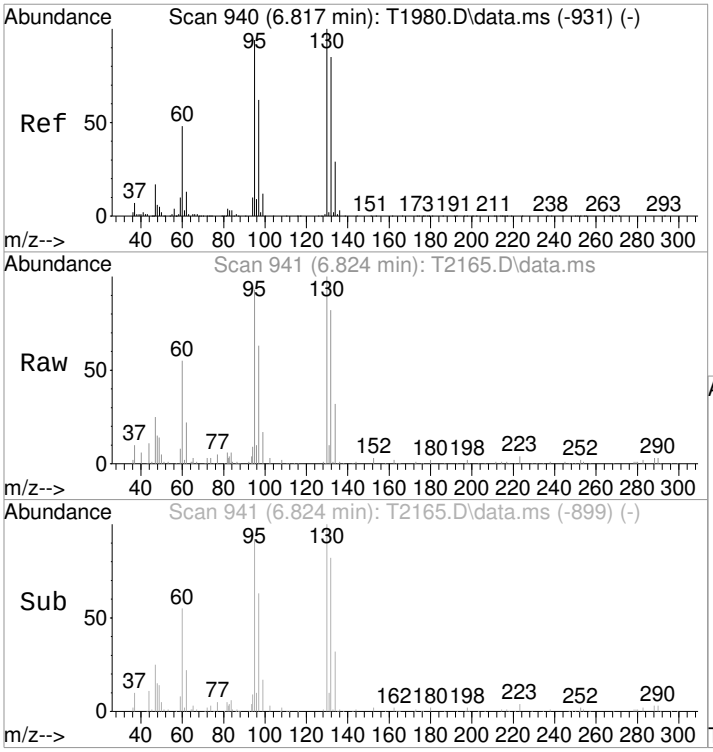


#42
Cyclohexane
Concen: Below Cal
RT: 5.385 min Scan# 705
Delta R.T. 0.043 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 41 Resp: 314

Ion	Ratio	Lower	Upper
41	100		
39	44.1	21.9	61.9

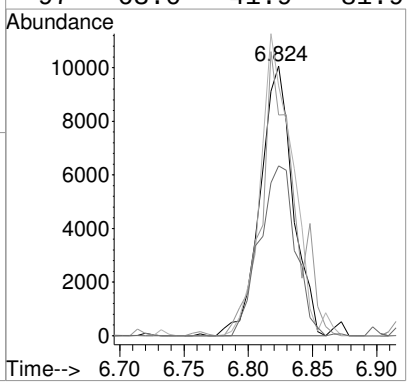


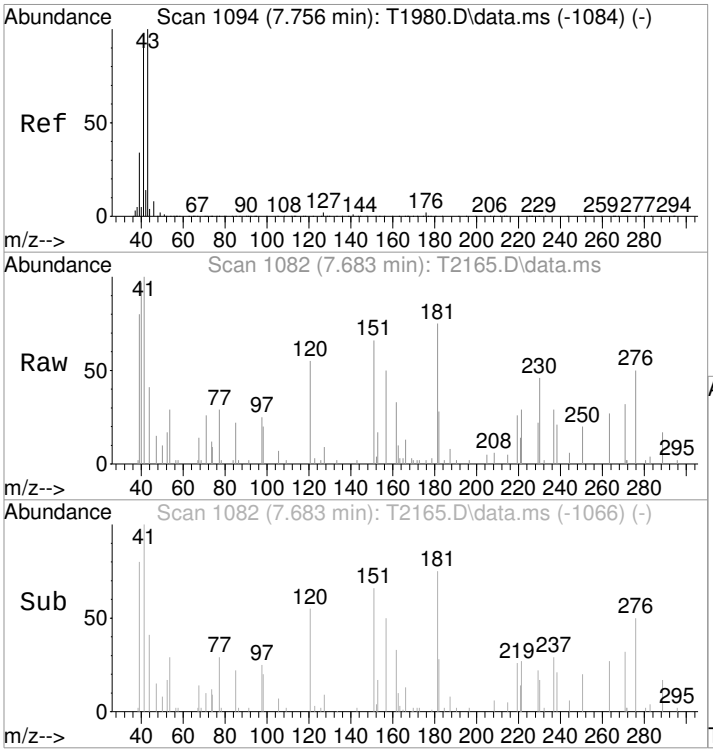


#53
Trichloroethene
Concen: 5.85 ug/L
RT: 6.824 min Scan# 941
Delta R.T. 0.006 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion:130 Resp: 17888

Ion	Ratio	Lower	Upper
130	100		
132	81.8	65.4	105.4
95	92.6	73.7	113.7
97	63.0	41.9	81.9

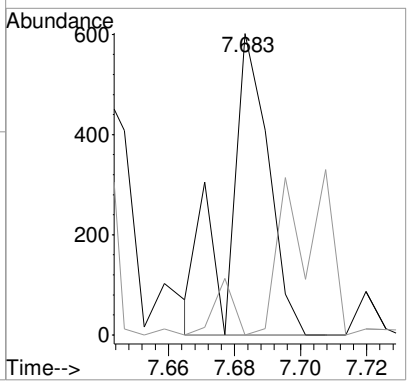


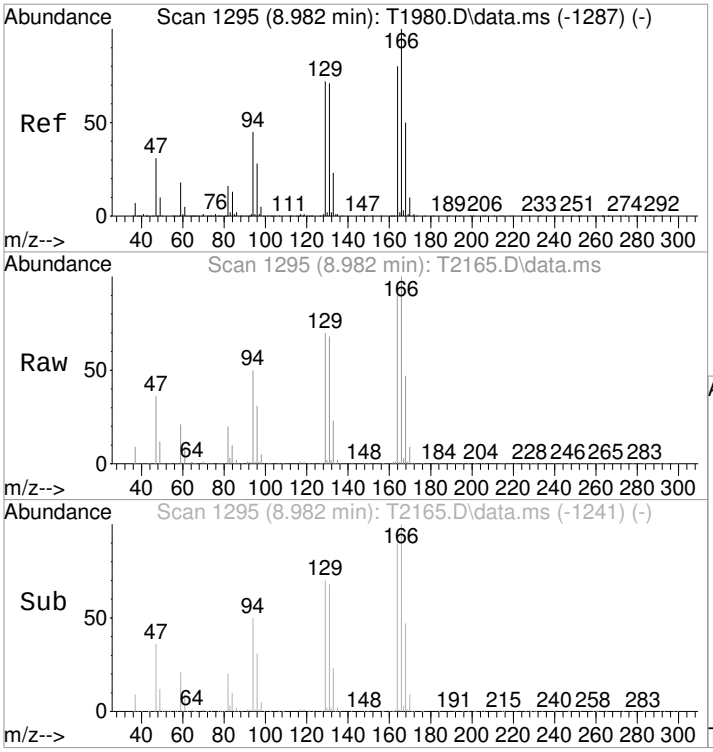


#60
2-Nitropropane
Concen: Below Cal
RT: 7.683 min Scan# 1082
Delta R.T. -0.073 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion: 41 Resp: 511

Ion	Ratio	Lower	Upper
41	100		
43	40.7	84.5	124.5#

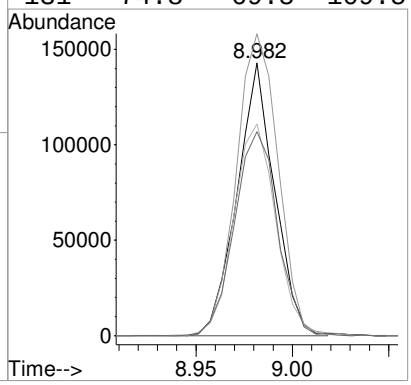




#71
Tetrachloroethene
Concen: 75.87 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: T2165.D
Acq: 24 Sep 2020 7:24 pm

Tgt Ion:164 Resp: 193987

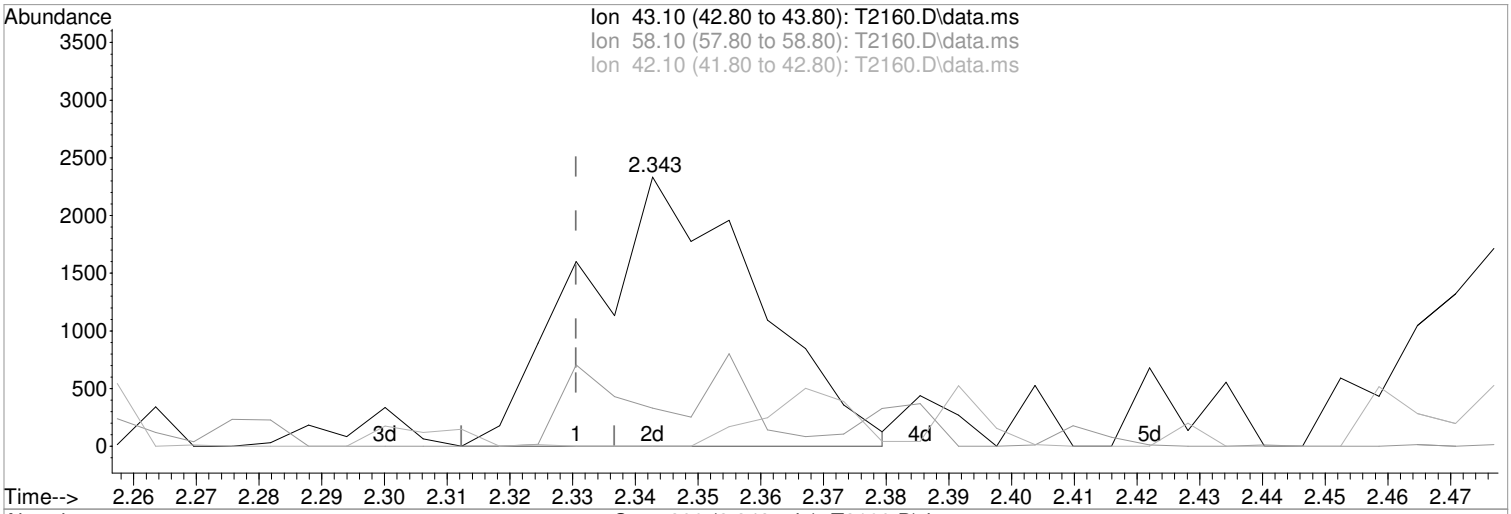
Ion	Ratio	Lower	Upper
164	100		
166	110.7	105.6	145.6
129	77.7	69.9	109.9
131	74.8	69.5	109.5

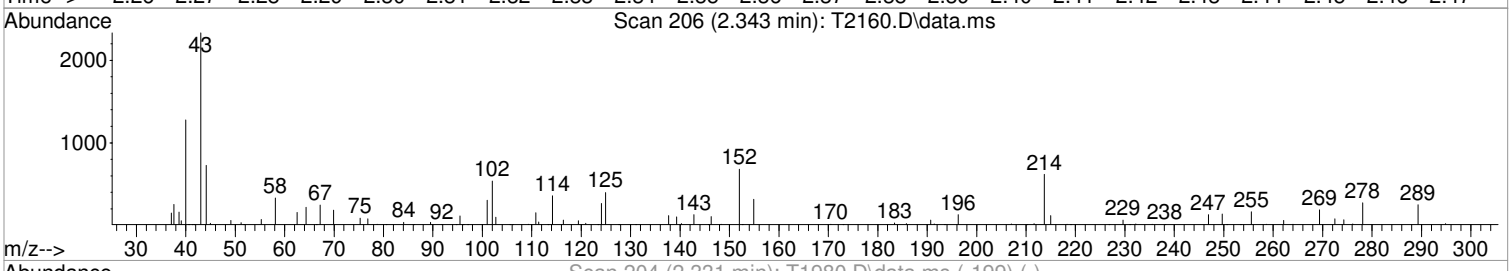


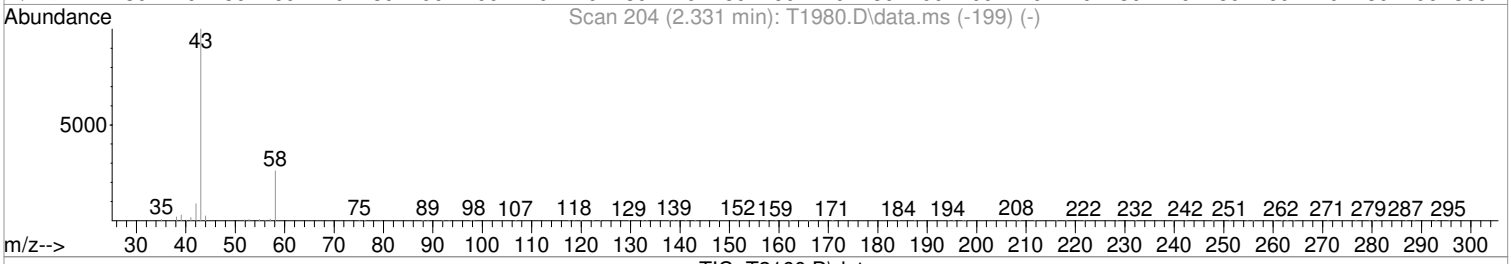
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2160.D
Acq On : 24 Sep 2020 5:35 pm
Operator : F.NAEGLER
Sample : R2008604-009|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 25 06:04:36 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2160.D\data.ms

(15) Acetone (P)

2.343min (+0.012) 2.60 ug/L m

response 4496

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	14.19
42.10	9.30	0.00
0.00	0.00	0.00

Manual Integration:

After

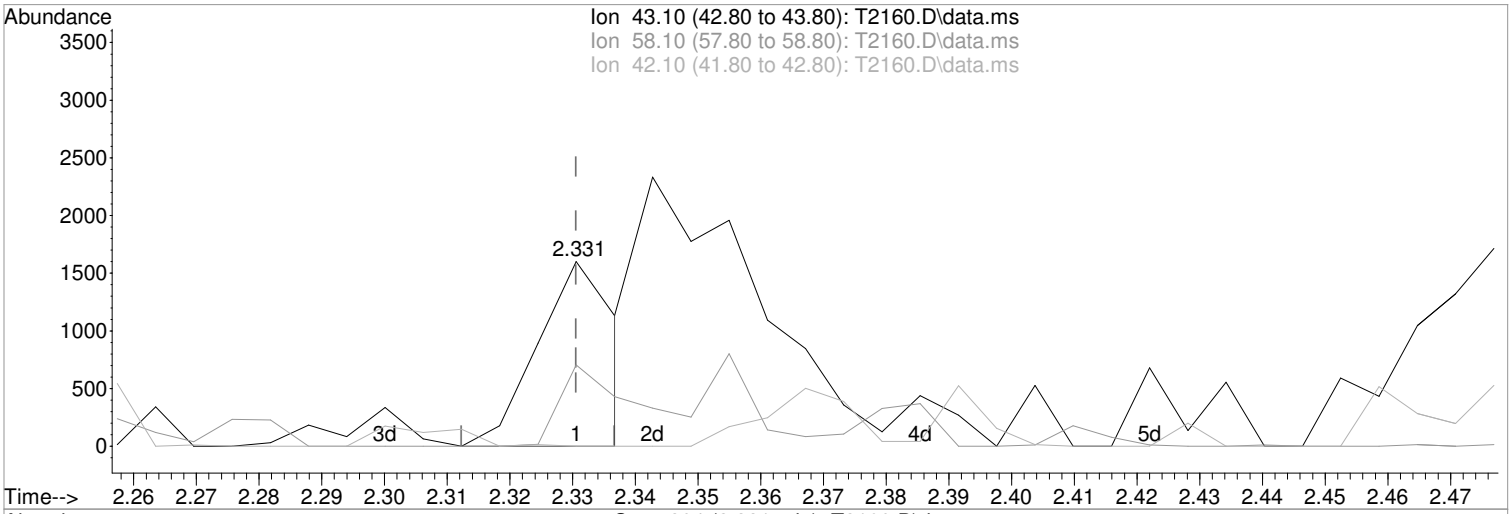
Poor integration.

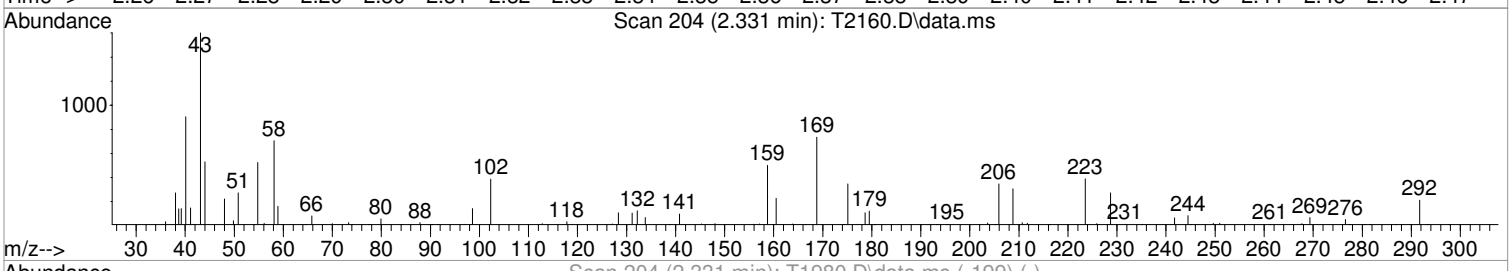
09/25/20

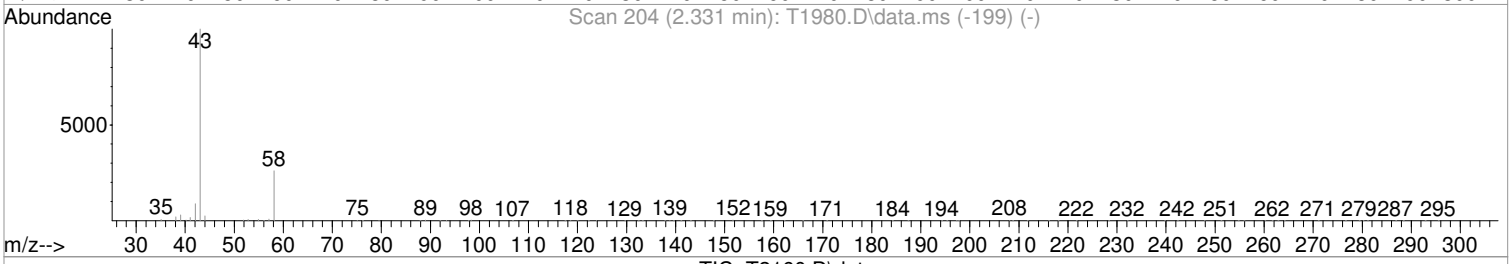
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2160.D
Acq On : 24 Sep 2020 5:35 pm
Operator : F.NAEGLER
Sample : R2008604-009|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 25 06:04:36 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2160.D\data.ms

(15) Acetone (P)

2.331min (0.000) 0.80 ug/L

response 1392

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	44.03
42.10	9.30	0.00
0.00	0.00	0.00

Manual Integration:

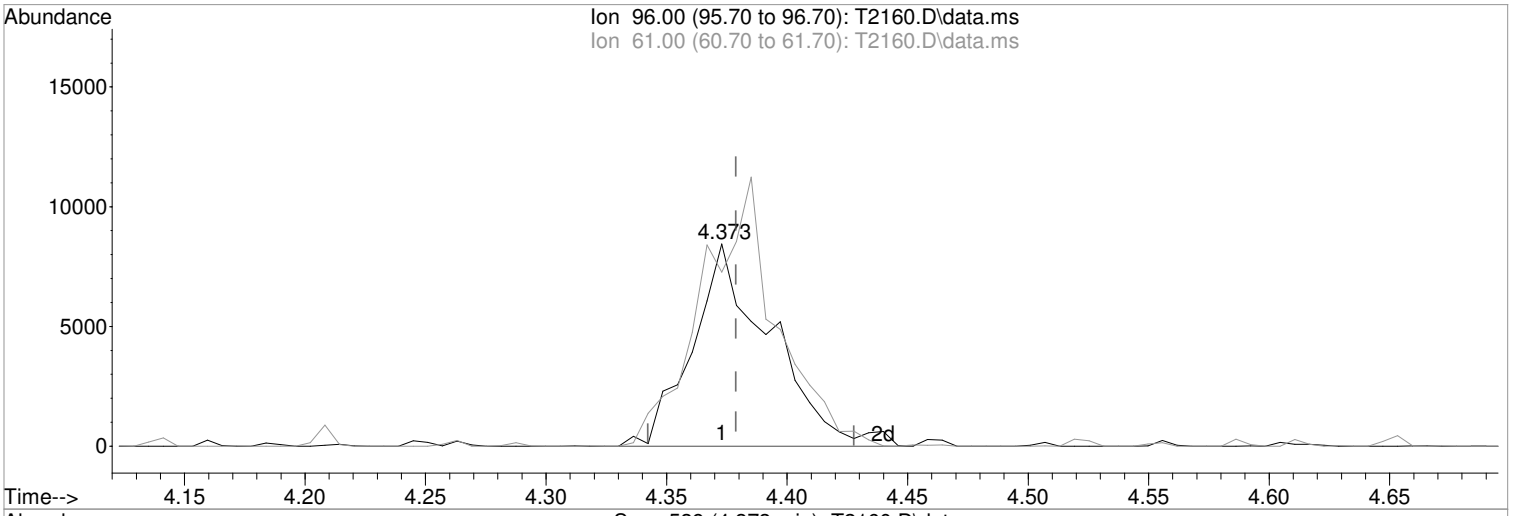
Before

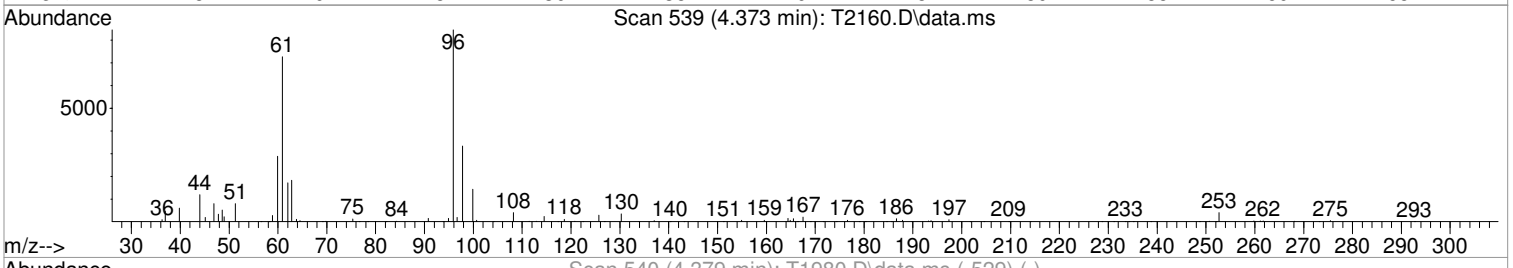
09/25/20

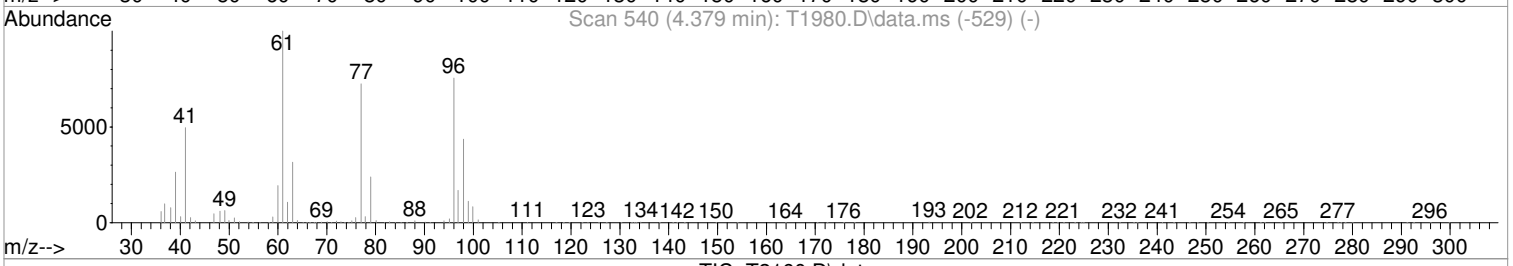
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2160.D
Acq On : 24 Sep 2020 5:35 pm
Operator : F.NAEGLER
Sample : R2008604-009|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 25 06:04:36 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2160.D\data.ms

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

4.373min (-0.006) 5.41 ug/L m

response 19203

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	85.98#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

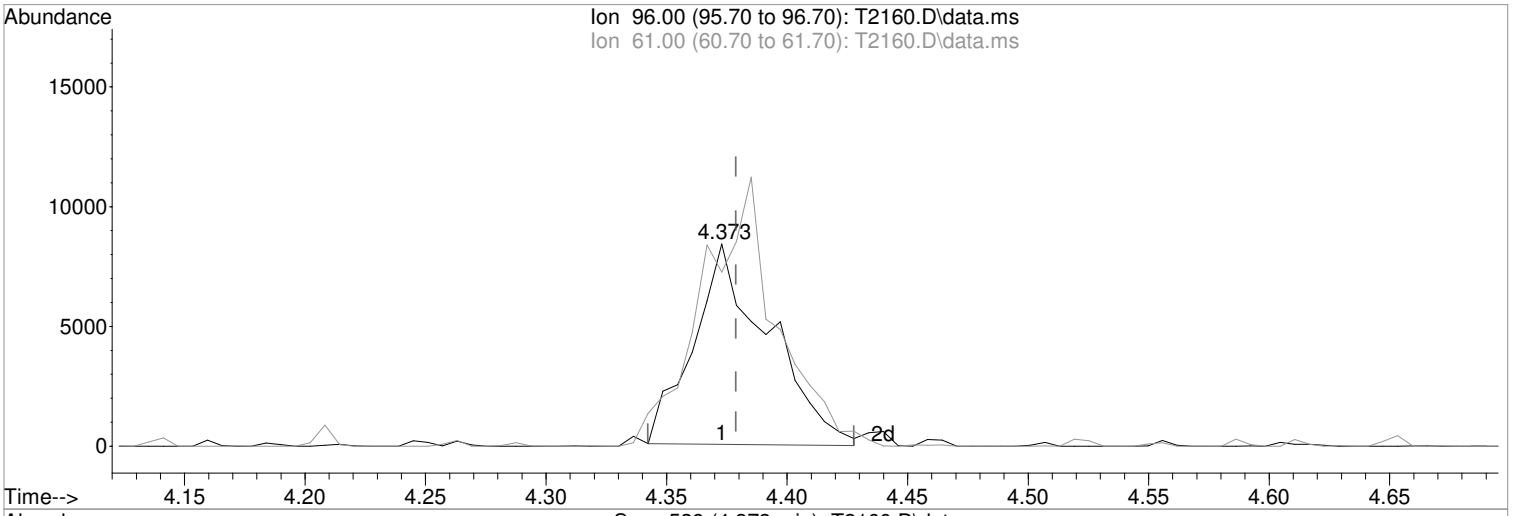
Poor integration.

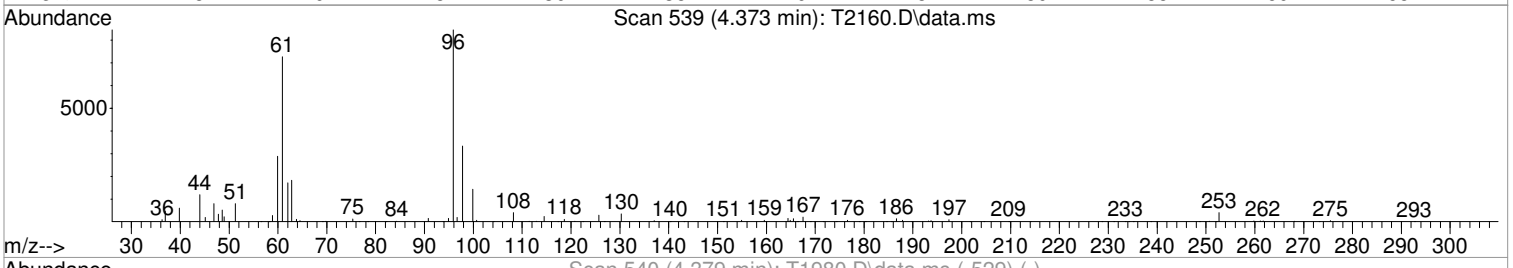
09/25/20

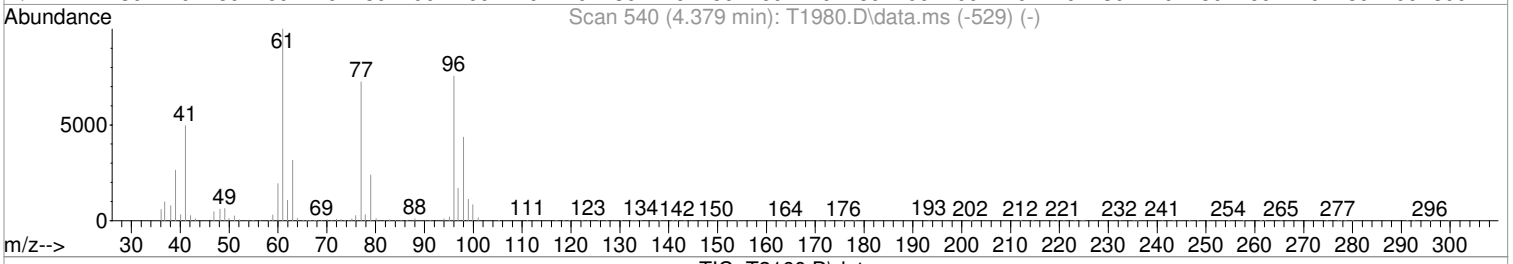
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2160.D
Acq On : 24 Sep 2020 5:35 pm
Operator : F.NAEGLER
Sample : R2008604-009|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 25 06:04:36 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2160.D\data.ms

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

4.373min (-0.006) 5.15 ug/L

response 18250

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	84.02#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/25/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2160.D
Acq On : 24 Sep 2020 5:35 pm
Operator : F.NAEGLER
Sample : R2008604-009|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 25 17:31:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

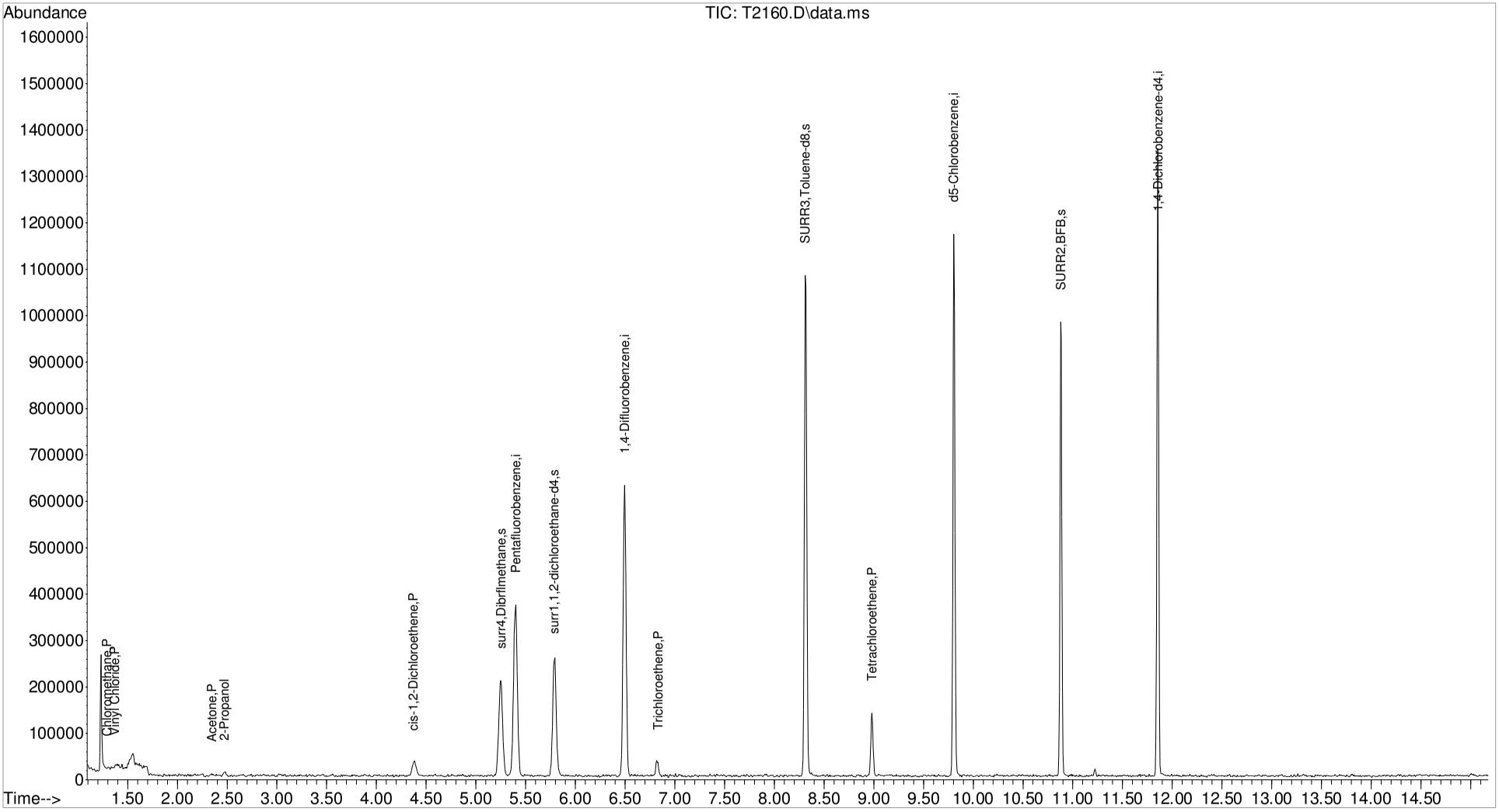
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	352197	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	537964	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	495287	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	244141	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	167940	51.40	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.80%				
46) surr1,1,2-dichloroetha...	5.781	65	215103	55.42	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 110.84%				
64) SURR3,Toluene-d8	8.311	98	653566	52.04	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.08%				
69) SURR2,BFB	10.878	95	240753	48.63	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.26%				
Target Compounds							Qvalue
3) Chloromethane	1.288	50	1064	0.21	ug/L		80
4) Vinyl Chloride	1.367	62	1014	0.24	ug/L	#	1
15) Acetone	2.343	43	4496m	2.60	ug/L		
16) 2-Propanol	2.471	45	6715	16.17	ug/L		79
21) Methyl Acetate	2.617	43	348	Below Cal			78
33) cis-1,2-Dichloroethene	4.373	96	19203m	5.41	ug/L		
38) Tetrahydrofuran	4.903	42	610	Below Cal		#	37
42) Cyclohexane	5.263	41	313	Below Cal		#	45
53) Trichloroethene	6.830	130	12256	3.81	ug/L		97
58) Methyl Methacrylate	7.317	69	316	Below Cal		#	52
60) 2-Nitropropane	7.854	41	680	Below Cal		#	2
71) Tetrachloroethene	8.982	164	25956	9.98	ug/L	#	89

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

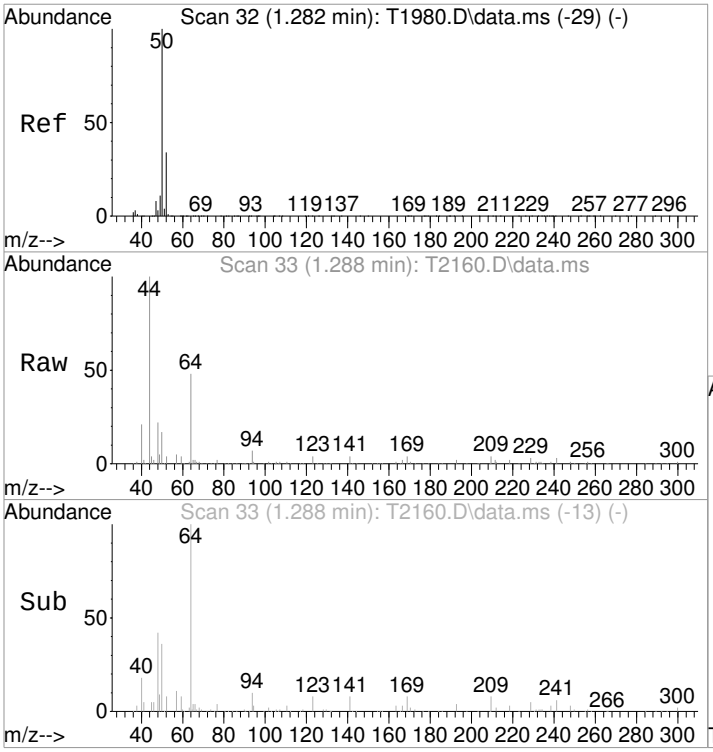
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2160.D
Acq On : 24 Sep 2020 5:35 pm
Operator : F.NAEGLER
Sample : R2008604-009|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 25 17:31:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



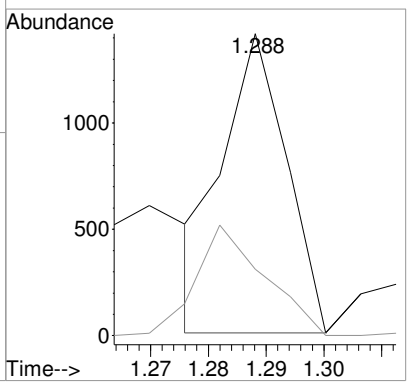
1st FJ 09/25/20
2nd 09/26/20

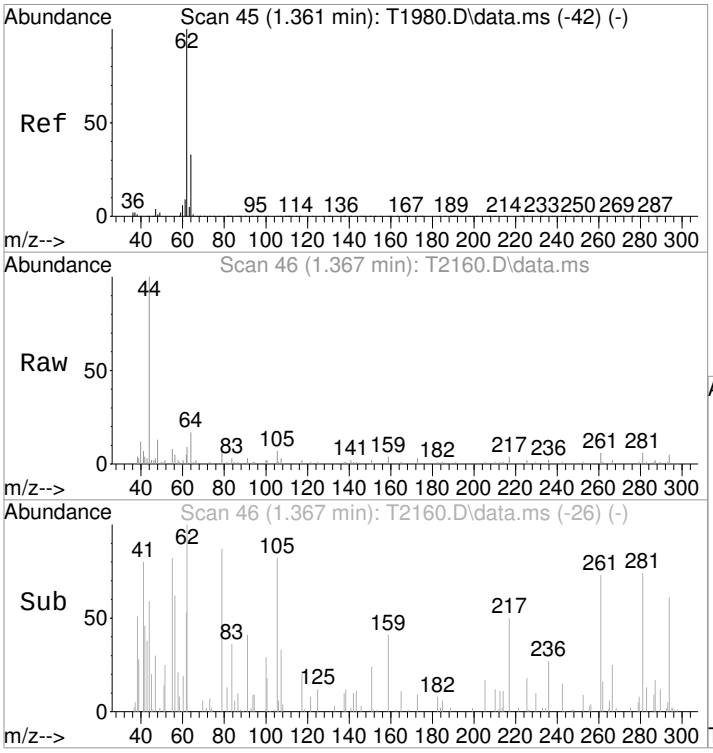


#3
Chloromethane
Concen: 0.21 ug/L
RT: 1.288 min Scan# 33
Delta R.T. 0.006 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 50 Resp: 1064

Ion	Ratio	Lower	Upper
50	100		
52	22.0	13.7	53.7

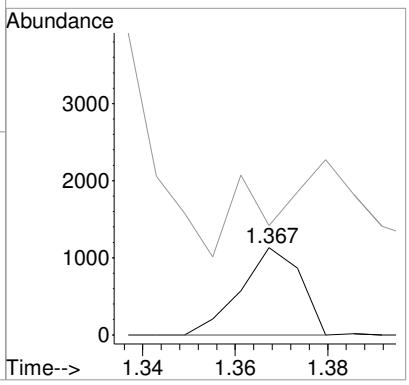


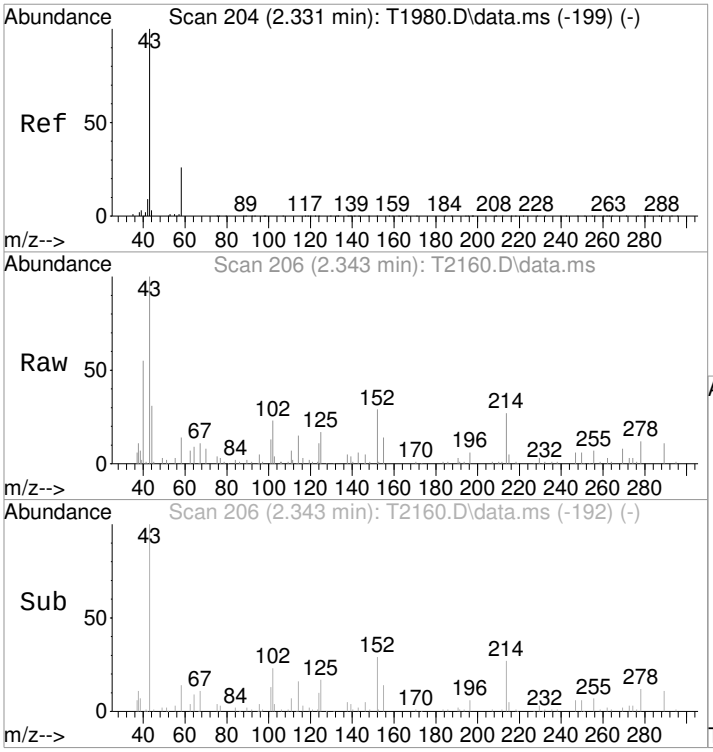


#4
Vinyl Chloride
Concen: 0.24 ug/L
RT: 1.367 min Scan# 46
Delta R.T. 0.006 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 62 Resp: 1014

Ion	Ratio	Lower	Upper
62	100		
64	125.7	13.3	53.3#

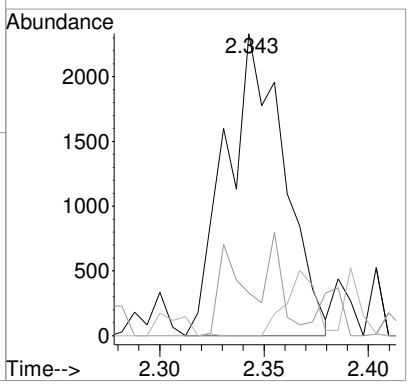


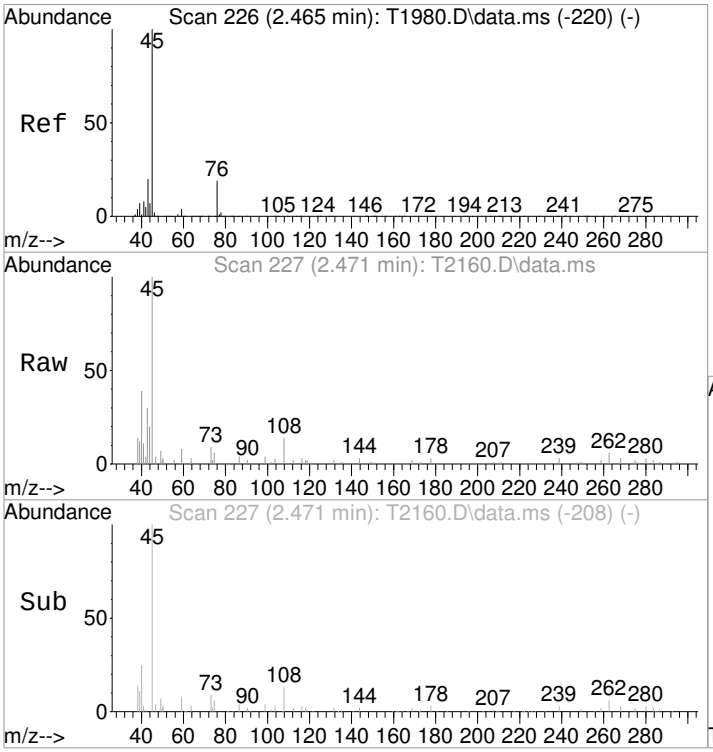


#15
Acetone
Concen: 2.60 ug/L m
RT: 2.343 min Scan# 206
Delta R.T. 0.012 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 43 Resp: 4496

Ion	Ratio	Lower	Upper
43	100		
58	14.2	6.1	46.1
42	0.0	0.0	29.3

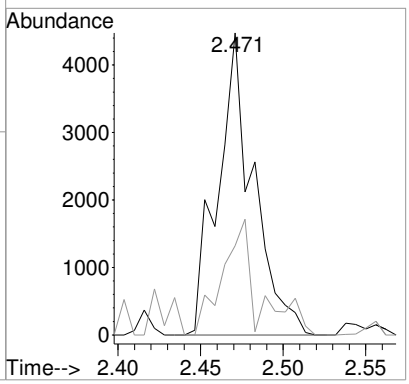


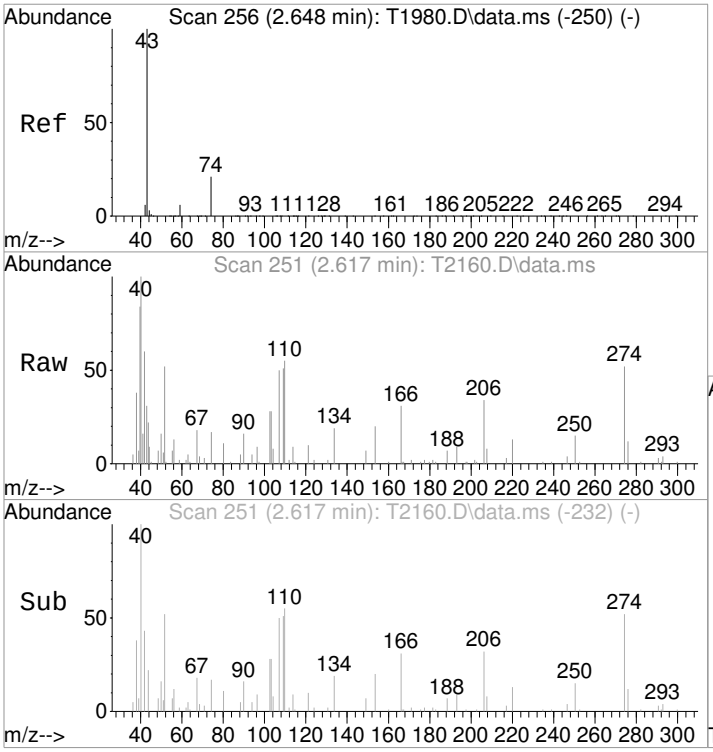


#16
2-Propanol
Concen: 16.17 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 45 Resp: 6715

Ion	Ratio	Lower	Upper
45	100		
43	29.5	0.0	39.8

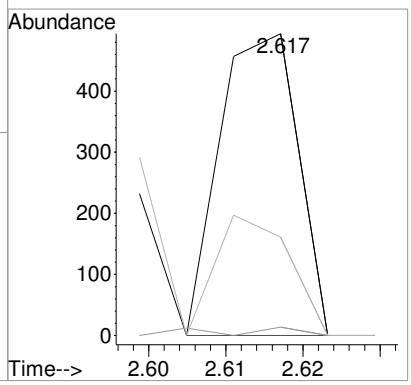


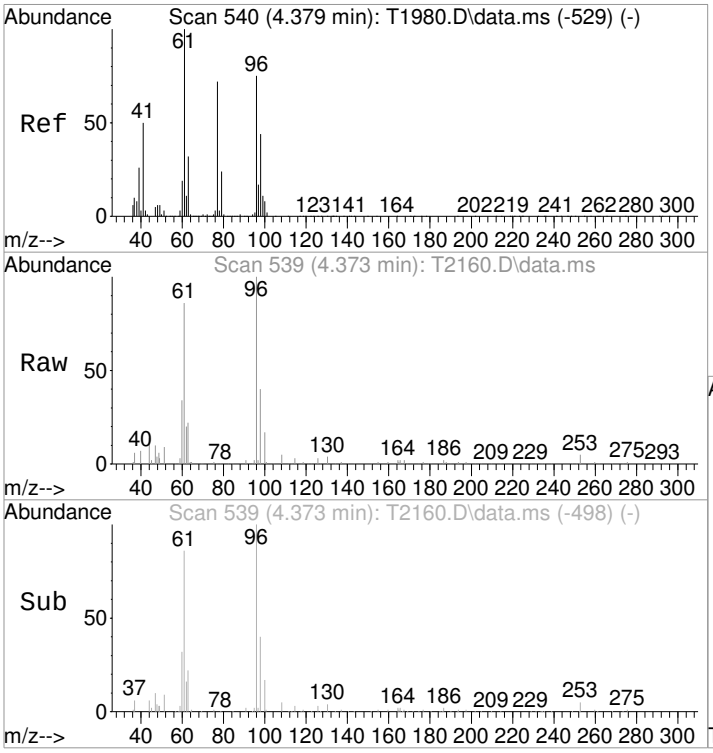


#21
Methyl Acetate
Concen: Below Cal
RT: 2.617 min Scan# 251
Delta R.T. -0.030 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 43 Resp: 348

Ion	Ratio	Lower	Upper
43	100		
59	2.8	0.0	26.4
74	32.6	0.6	40.6

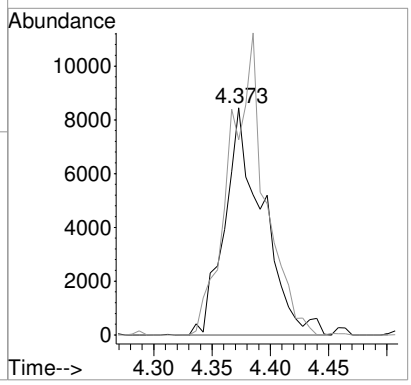


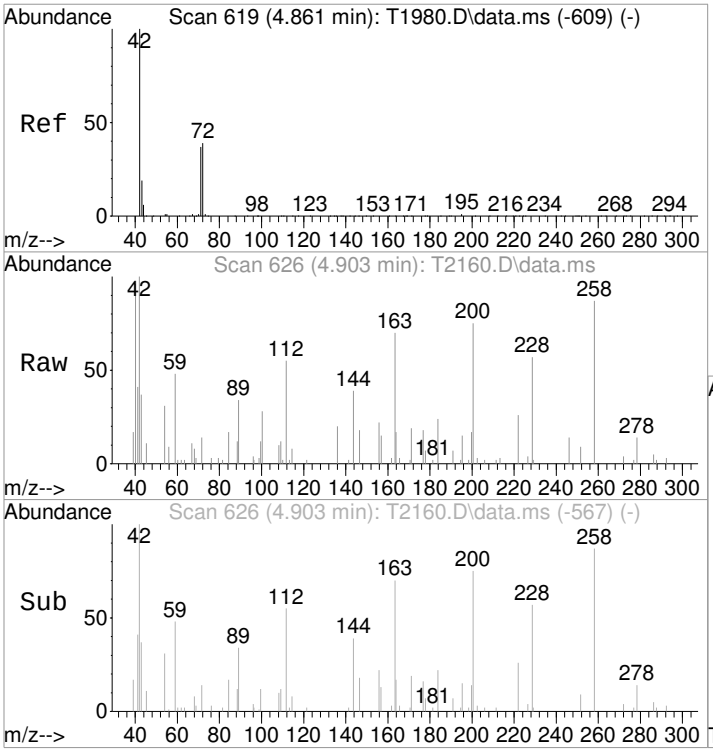


#33
cis-1,2-Dichloroethene
Concen: 5.41 ug/L m
RT: 4.373 min Scan# 539
Delta R.T. -0.006 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 96 Resp: 19203

Ion	Ratio	Lower	Upper
96	100		
61	86.0	113.1	153.1#

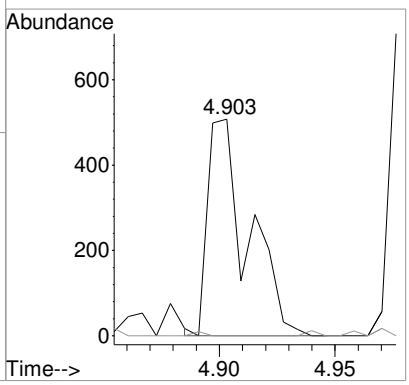


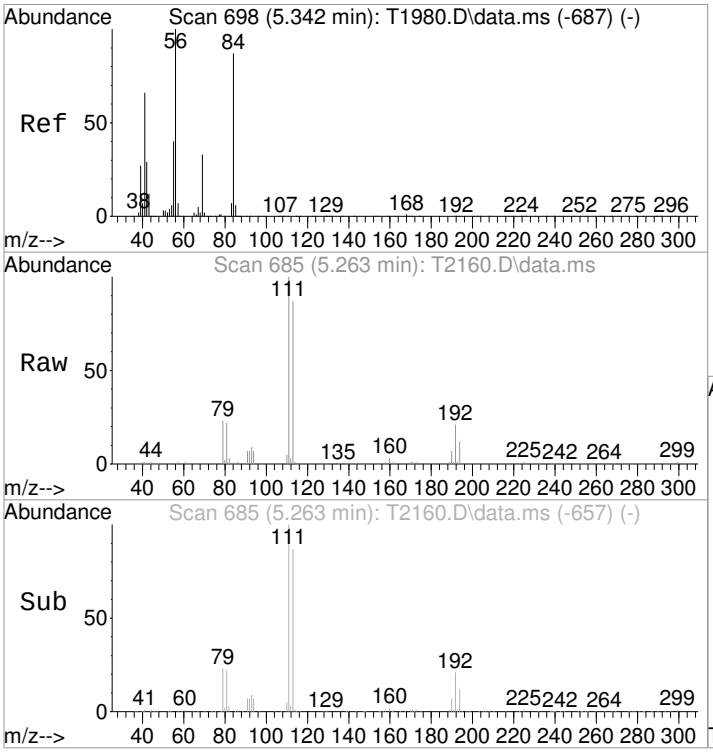


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.903 min Scan# 626
Delta R.T. 0.043 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 42 Resp: 610

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

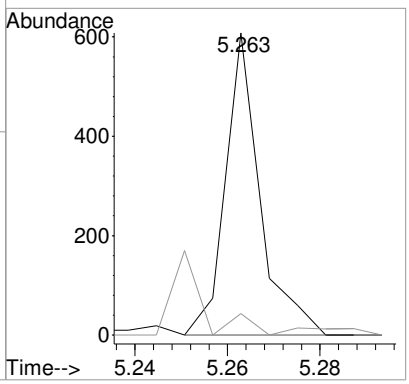


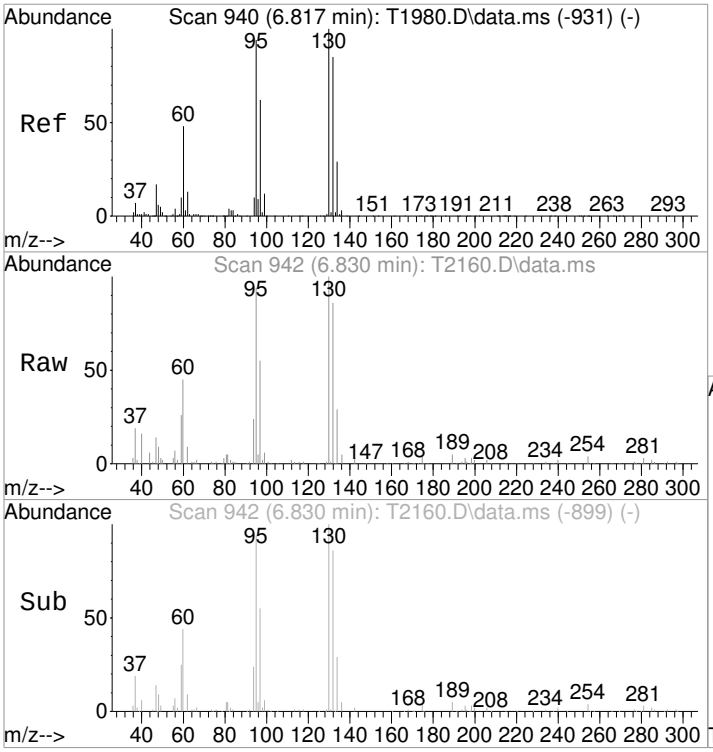


#42
Cyclohexane
Concen: Below Cal
RT: 5.263 min Scan# 685
Delta R.T. -0.079 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 41 Resp: 313

Ion	Ratio	Lower	Upper
41	100		
39	7.1	21.9	61.9#

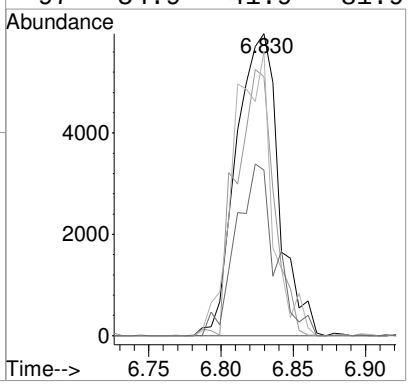


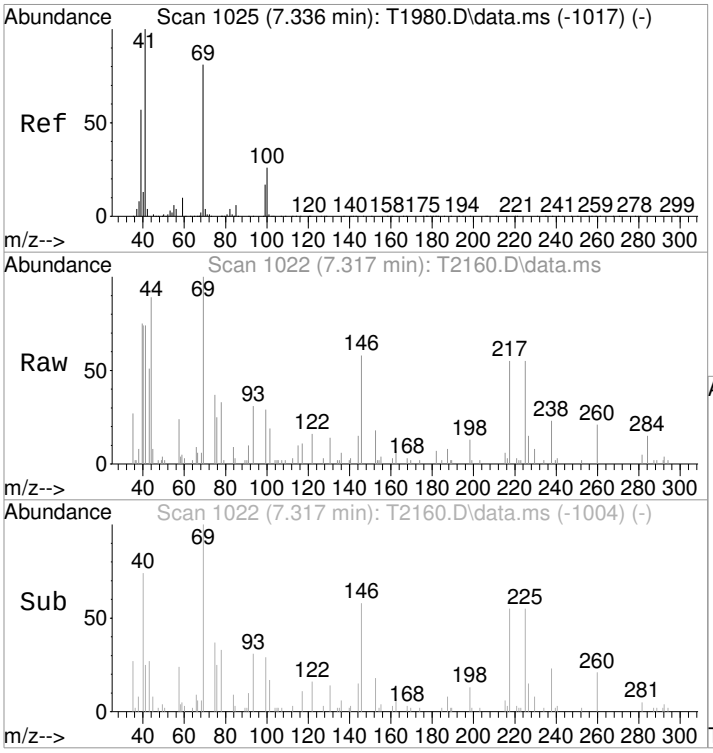


#53
Trichloroethene
Concen: 3.81 ug/L
RT: 6.830 min Scan# 942
Delta R.T. 0.012 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion:130 Resp: 12256

Ion	Ratio	Lower	Upper
130	100		
132	85.8	65.4	105.4
95	94.0	73.7	113.7
97	54.9	41.9	81.9

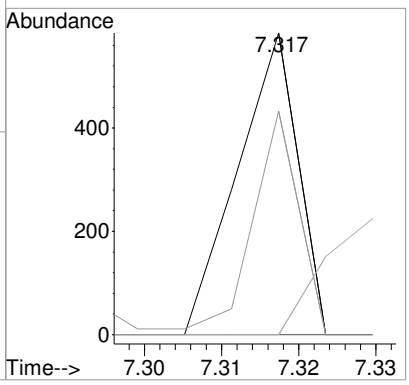


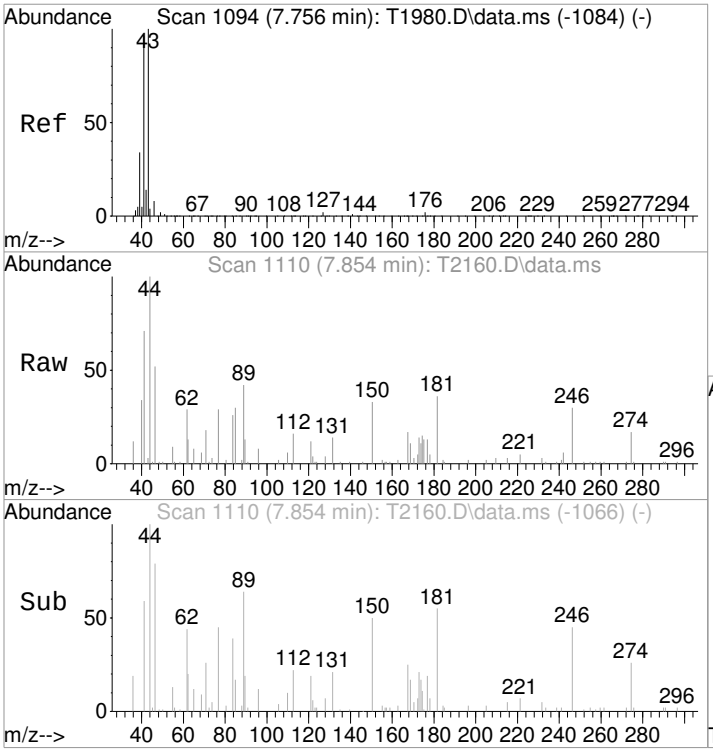


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.317 min Scan# 1022
Delta R.T. -0.018 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 69 Resp: 316

Ion	Ratio	Lower	Upper
69	100		
41	74.1	105.7	145.7#
100	0.0	12.5	52.5#

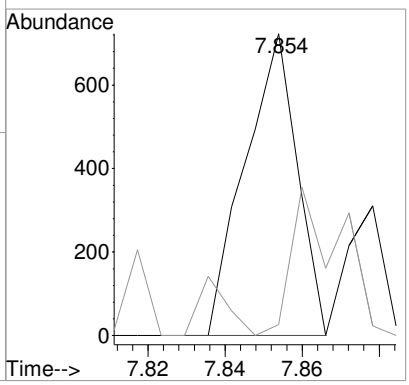


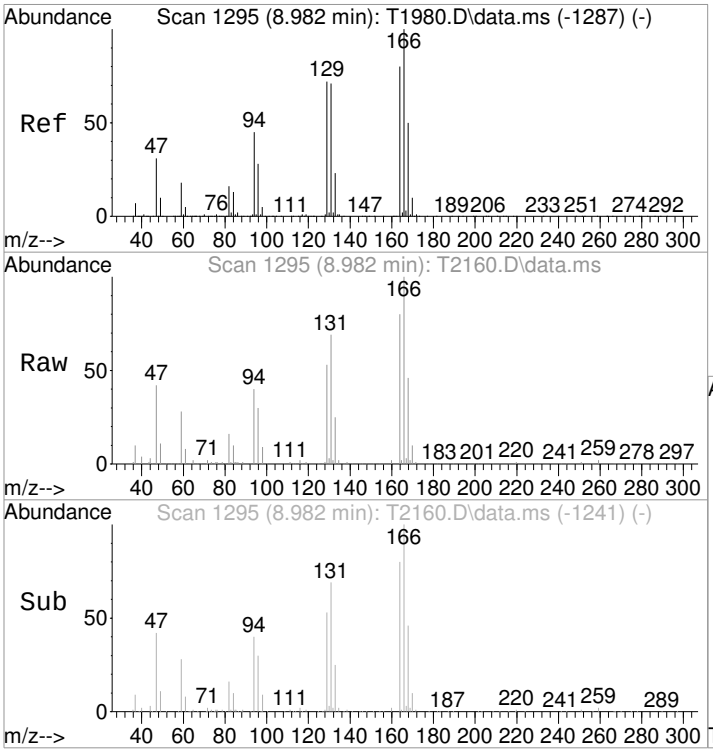


#60
2-Nitropropane
Concen: Below Cal
RT: 7.854 min Scan# 1110
Delta R.T. 0.098 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion: 41 Resp: 680

Ion	Ratio	Lower	Upper
41	100		
43	3.6	84.5	124.5#

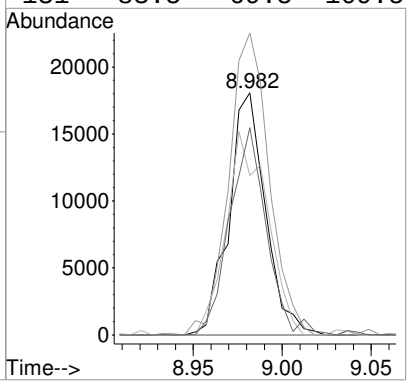




#71
Tetrachloroethene
Concen: 9.98 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: T2160.D
Acq: 24 Sep 2020 5:35 pm

Tgt Ion:164 Resp: 25956

Ion	Ratio	Lower	Upper
164	100		
166	121.5	105.6	145.6
129	64.1	69.9	109.9#
131	83.5	69.5	109.5



1st FW 09/25/20
2nd WR 09/26/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2161.D
Acq On : 24 Sep 2020 5:57 pm
Operator : F.NAEGLER
Sample : R2008604-010|5.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 25 17:33:03 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

foamy sample

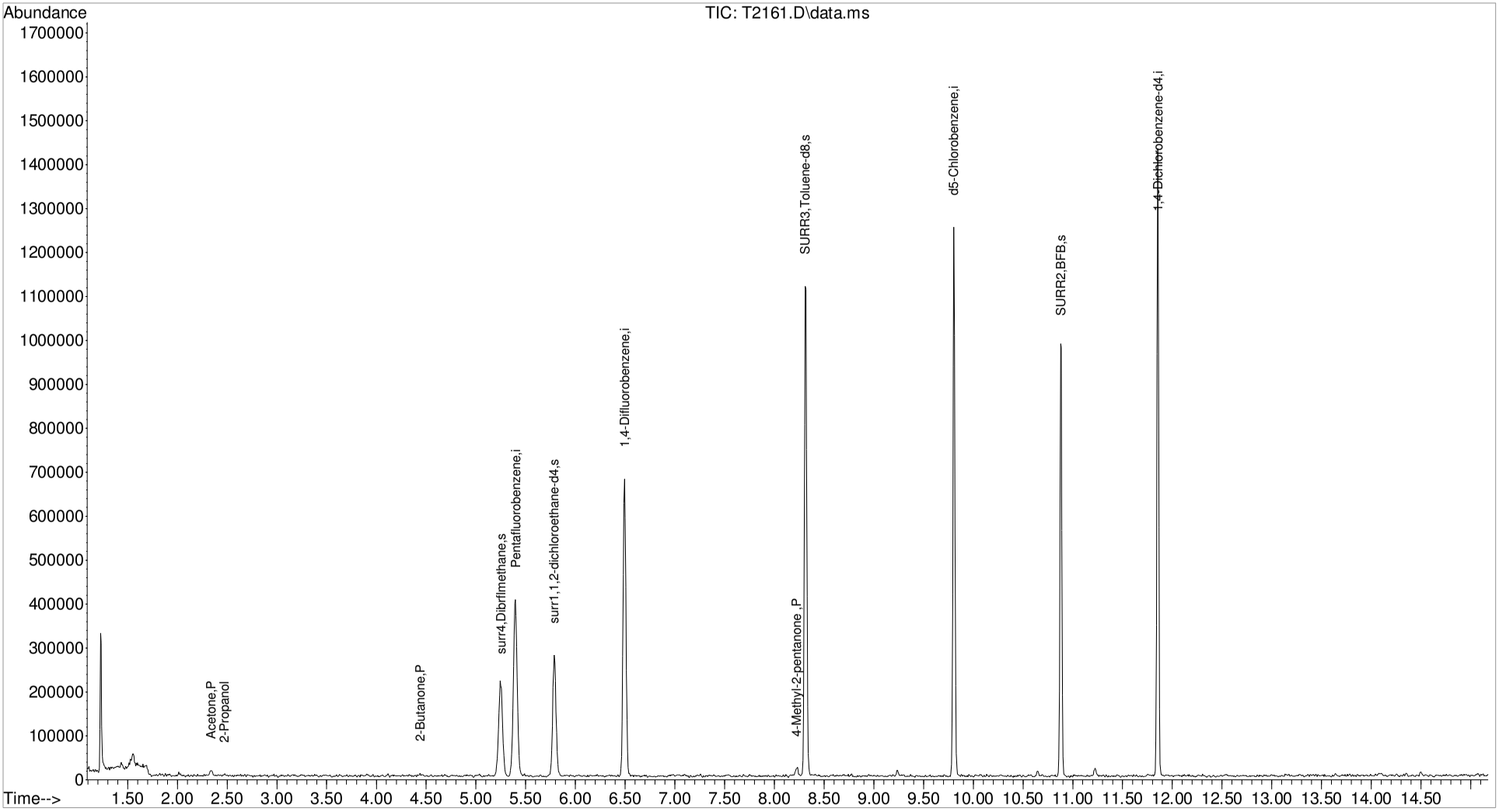
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	385462	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	560855	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	511694	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	252530	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	173957	51.06	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.12%			
46) surr1,1,2-dichloroetha...	5.787	65	222041	54.88	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.76%			
64) SURR3,Toluene-d8	8.311	98	653407	49.90	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.80%			
69) SURR2,BFB	10.884	95	250256	48.49	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.98%			
Target Compounds						Qvalue
10) Freon 123a	2.147	67	260	Below Cal	#	20
15) Acetone	2.336	43	13014	6.87	ug/L	85
16) 2-Propanol	2.471	45	4568	10.05	ug/L	65
21) Methyl Acetate	2.647	43	788	Below Cal	#	34
34) 2-Butanone	4.440	43	9099	3.25	ug/L	75
37) Methacrylonitrile	4.763	67	305	Below Cal	#	5
38) Tetrahydrofuran	4.860	42	565	Below Cal	#	40
42) Cyclohexane	5.293	41	470	Below Cal	#	5
63) 4-Methyl-2-pentanone	8.226	43	12278	2.36	ug/L	96

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

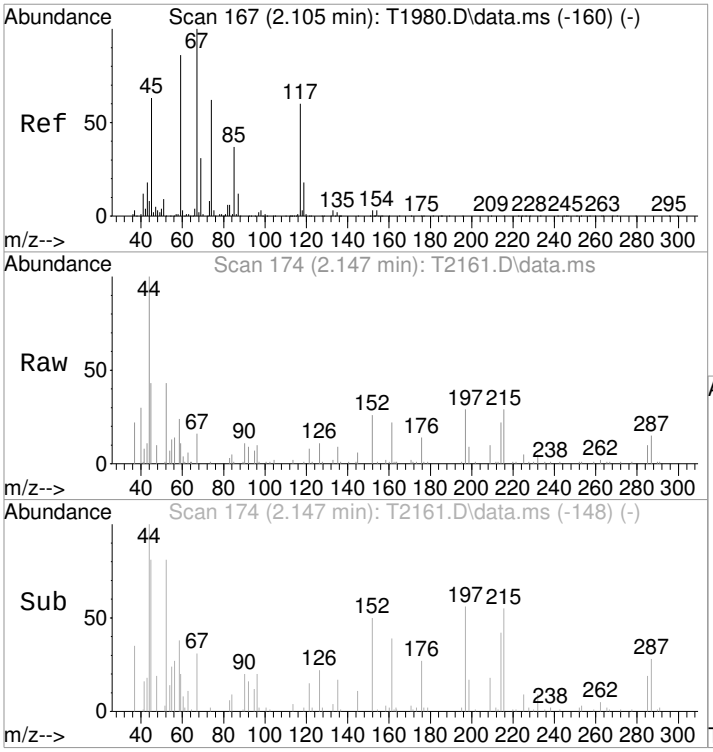
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2161.D
Acq On : 24 Sep 2020 5:57 pm
Operator : F.NAEGLER
Sample : R2008604-010|5.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 25 17:33:03 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



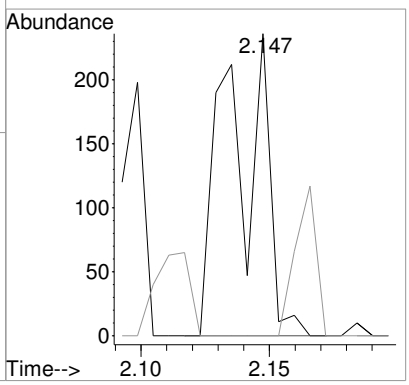
1st FJ 09/25/20
2nd 09/26/20

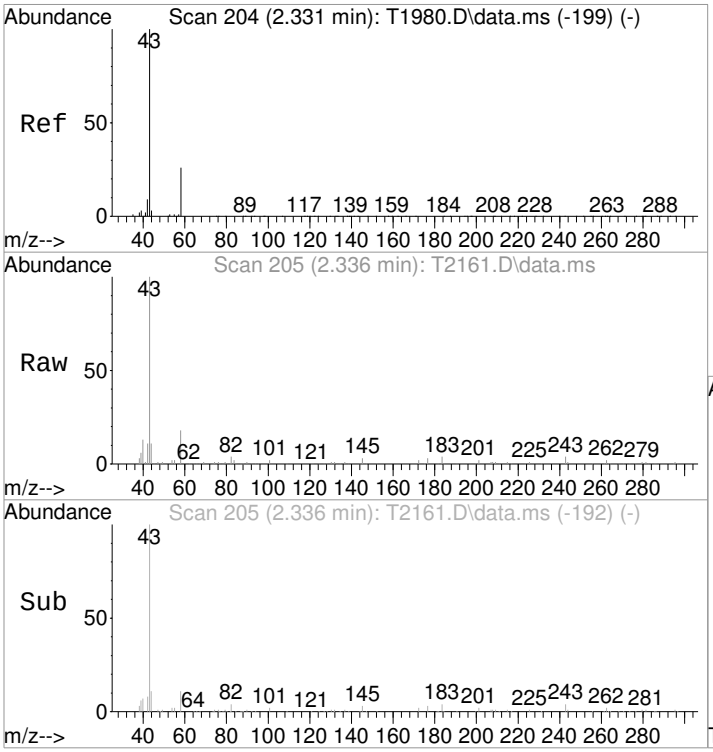


#10
Freon 123a
Concen: Below Cal
RT: 2.147 min Scan# 174
Delta R.T. 0.042 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 67 Resp: 260

Ion	Ratio	Lower	Upper
67	100		
117	0.0	40.7	80.7#

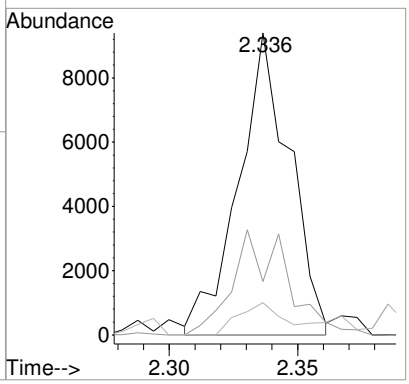


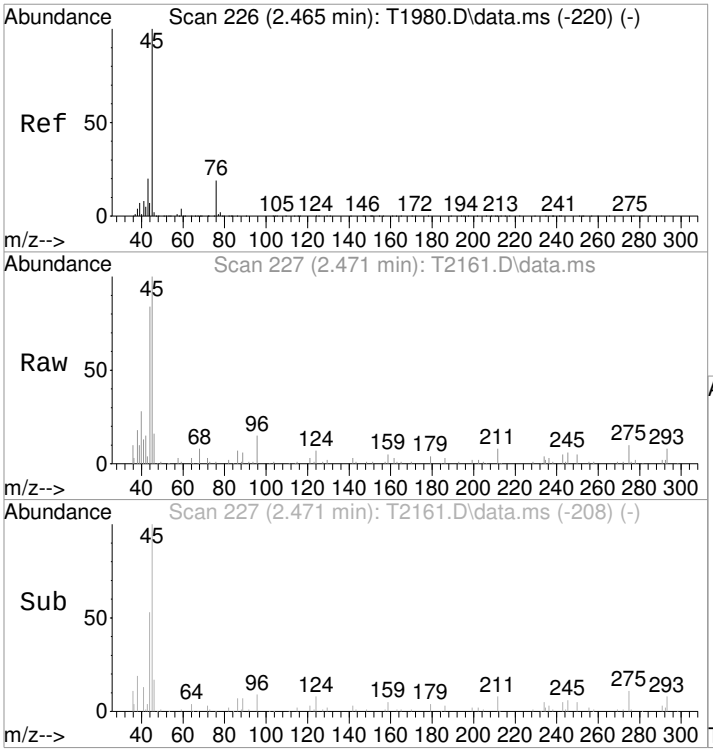


#15
Acetone
Concen: 6.87 ug/L
RT: 2.336 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 43 Resp: 13014

Ion	Ratio	Lower	Upper
43	100		
58	15.9	6.1	46.1
42	9.6	0.0	29.3

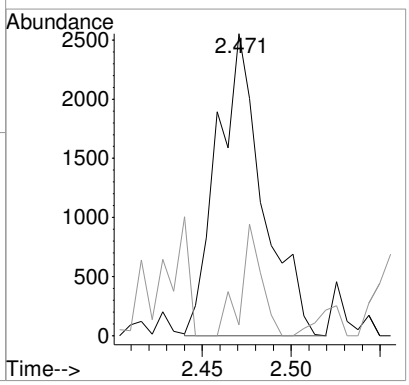


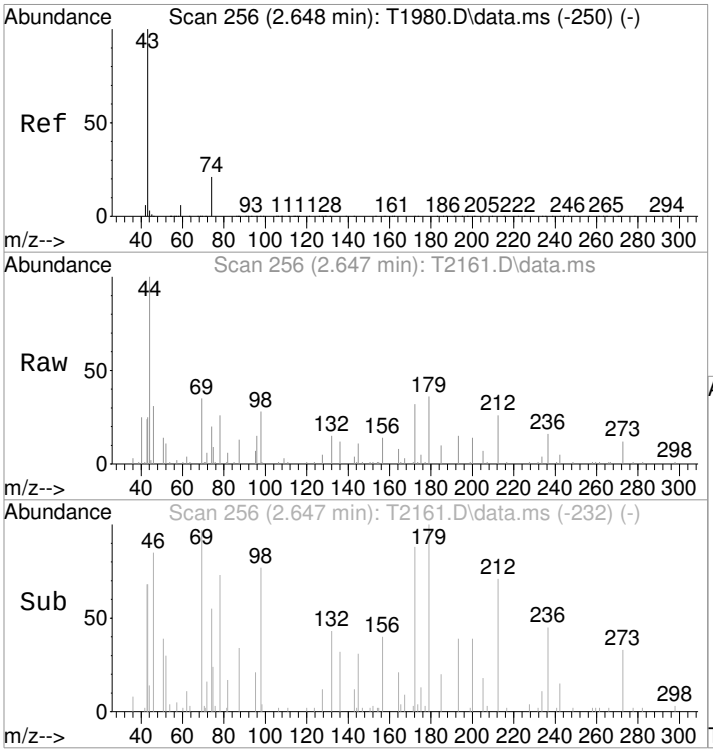


#16
2-Propanol
Concen: 10.05 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 45 Resp: 4568

Ion	Ratio	Lower	Upper
45	100		
43	3.6	0.0	39.8

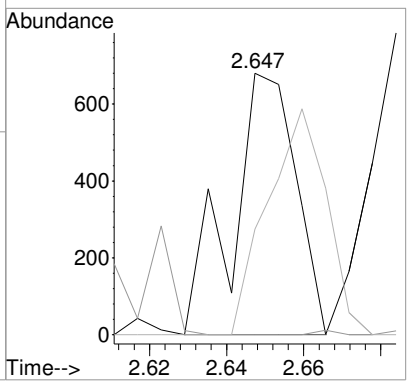


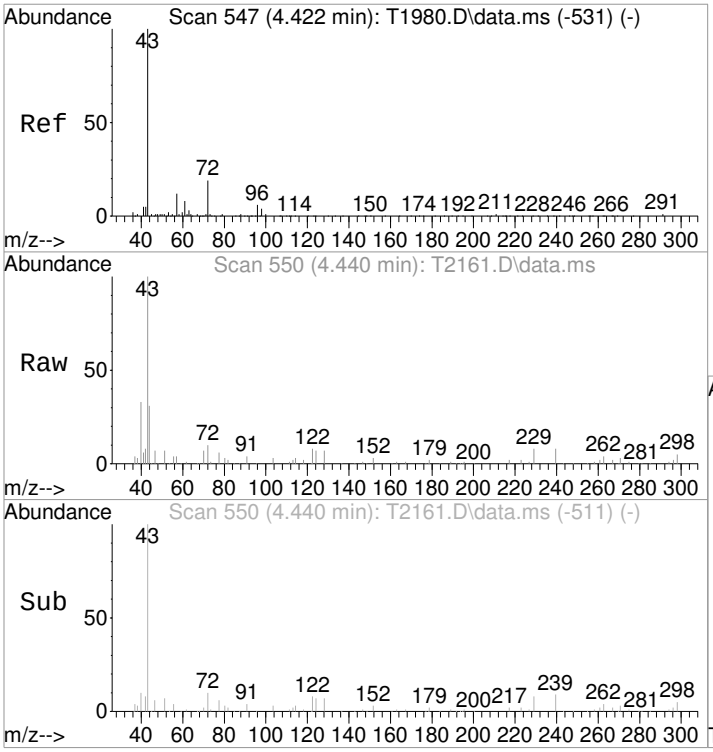


#21
Methyl Acetate
Concen: Below Cal
RT: 2.647 min Scan# 256
Delta R.T. 0.000 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 43 Resp: 788

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	58.1	0.6	40.6#

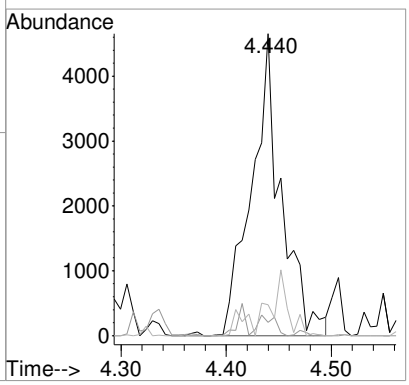


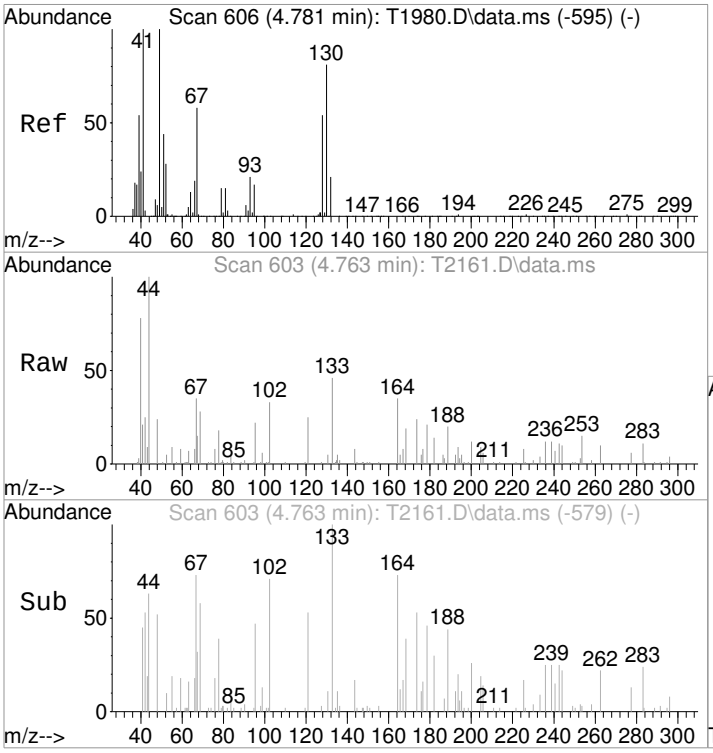


#34
2-Butanone
Concen: 3.25 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.018 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 43 Resp: 9099

Ion	Ratio	Lower	Upper
43	100		
57	3.4	0.0	32.7
72	7.8	0.0	39.4

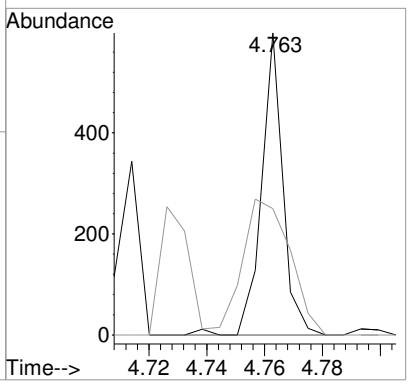


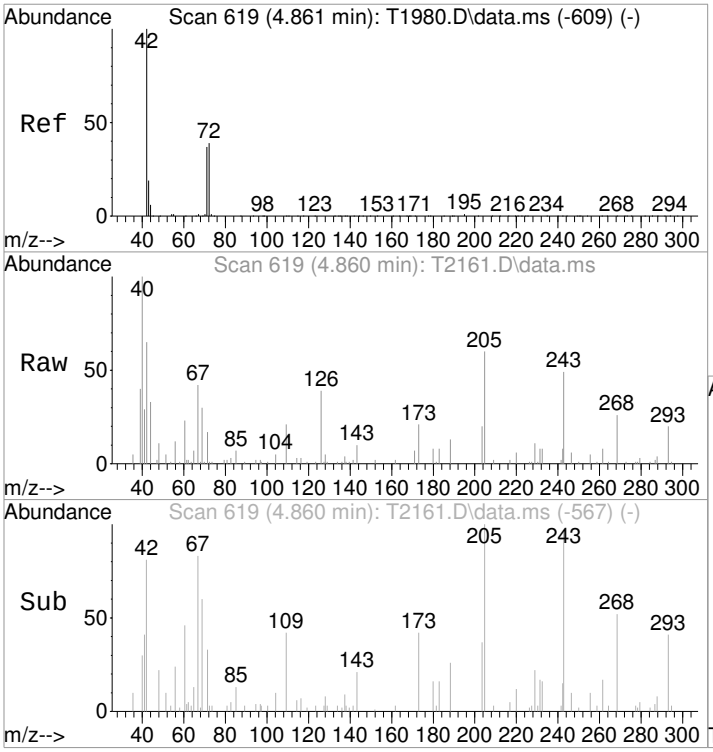


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.763 min Scan# 603
Delta R.T. -0.018 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 67 Resp: 305

Ion	Ratio	Lower	Upper
67	100		
41	41.8	154.0	194.0#

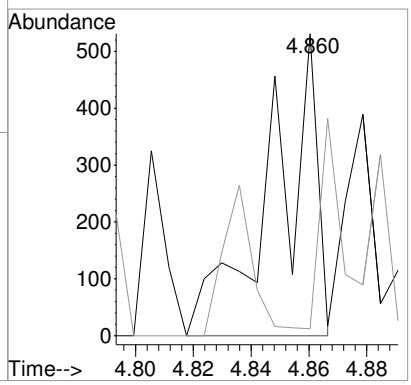


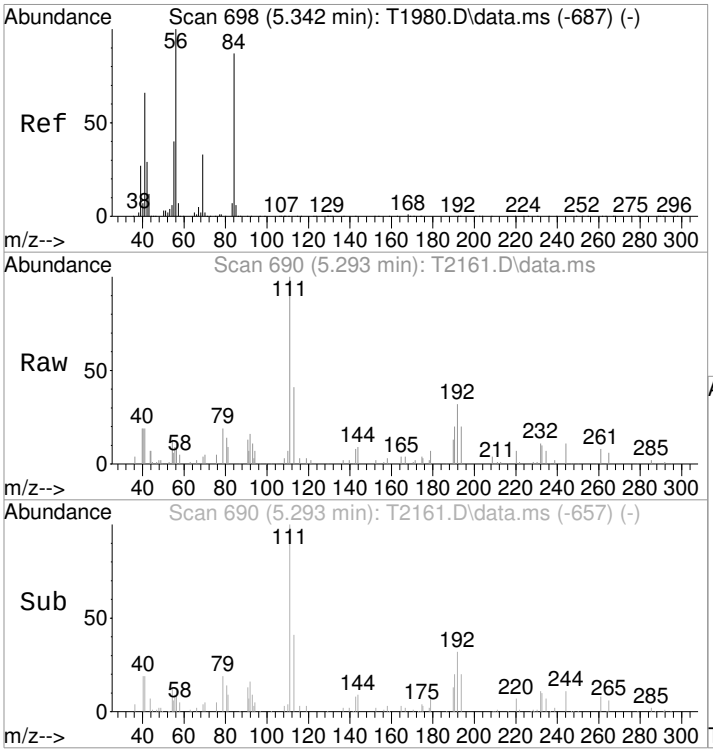


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.860 min Scan# 619
Delta R.T. 0.000 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 42 Resp: 565

Ion	Ratio	Lower	Upper
42	100		
72	2.3	18.3	58.3#

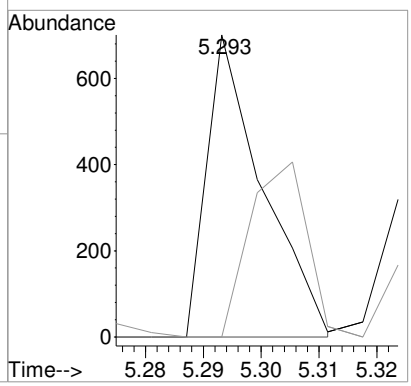


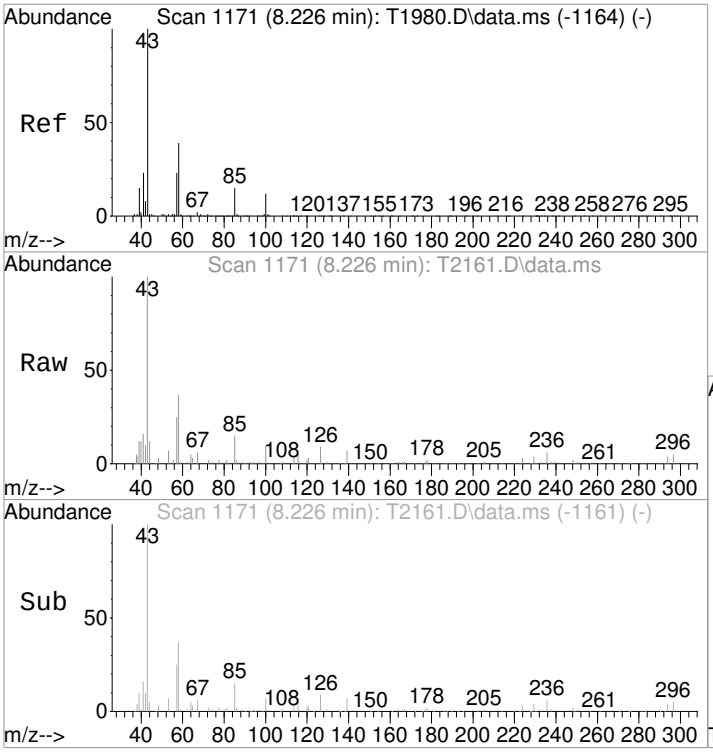


#42
Cyclohexane
Concen: Below Cal
RT: 5.293 min Scan# 690
Delta R.T. -0.049 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 41 Resp: 470

Ion	Ratio	Lower	Upper
41	100		
39	101.7	21.9	61.9#

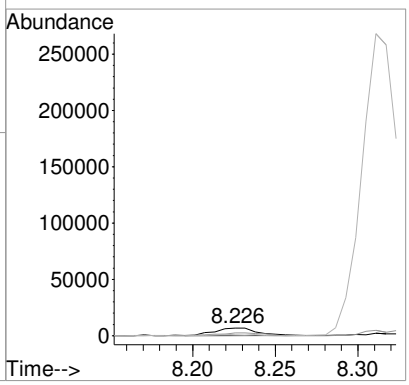




#63
4-Methyl-2-pentanone
Concen: 2.36 ug/L
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: T2161.D
Acq: 24 Sep 2020 5:57 pm

Tgt Ion: 43 Resp: 12278

Ion	Ratio	Lower	Upper
43	100		
58	36.9	19.3	59.3
100	9.6	0.0	31.8



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2162.D
Acq On : 24 Sep 2020 6:19 pm
Operator : F.NAEGLER
Sample : R2008604-012|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 25 17:34:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

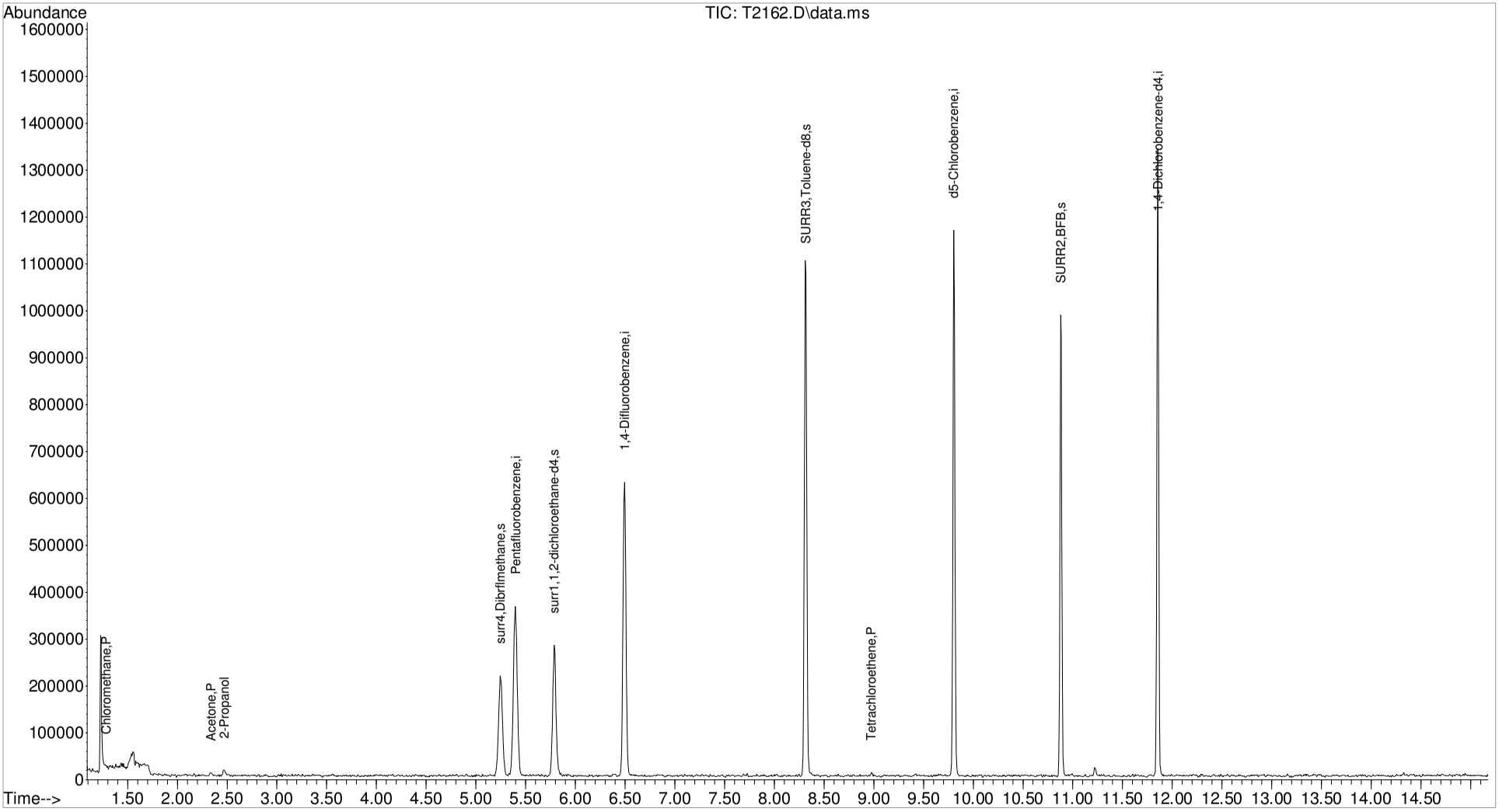
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	351267	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	528402	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	487671	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	236548	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	170022	52.97	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 105.94%				
46) surr1,1,2-dichloroetha...	5.787	65	220713	57.90	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 115.80%				
64) SURR3,Toluene-d8	8.317	98	662909	53.74	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 107.48%				
69) SURR2,BFB	10.878	95	240728	49.51	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.02%				
Target Compounds							Qvalue
3) Chloromethane	1.282	50	2651	0.53	ug/L		96
10) Freon 123a	2.154	67	267	Below Cal		#	20
15) Acetone	2.337	43	7574	4.39	ug/L		91
16) 2-Propanol	2.471	45	12732	30.74	ug/L		96
21) Methyl Acetate	2.629	43	152	Below Cal			67
37) Methacrylonitrile	4.732	67	276	Below Cal		#	1
38) Tetrahydrofuran	4.934	42	305	Below Cal			68
58) Methyl Methacrylate	7.256	69	304	Below Cal		#	1
60) 2-Nitropropane	7.695	41	440	Below Cal		#	10
71) Tetrachloroethene	8.976	164	1593	0.62	ug/L	#	71

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

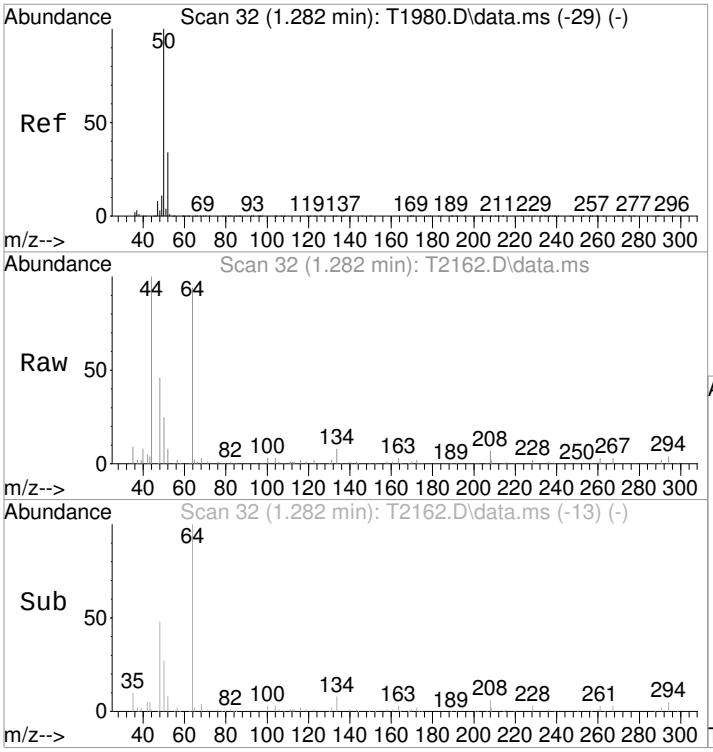
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2162.D
Acq On : 24 Sep 2020 6:19 pm
Operator : F.NAEGLER
Sample : R2008604-012|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 25 17:34:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



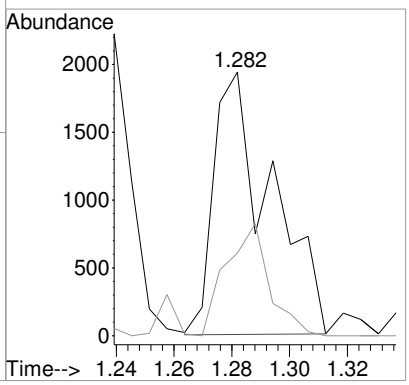
1st FJ 09/25/20
2nd 09/26/20

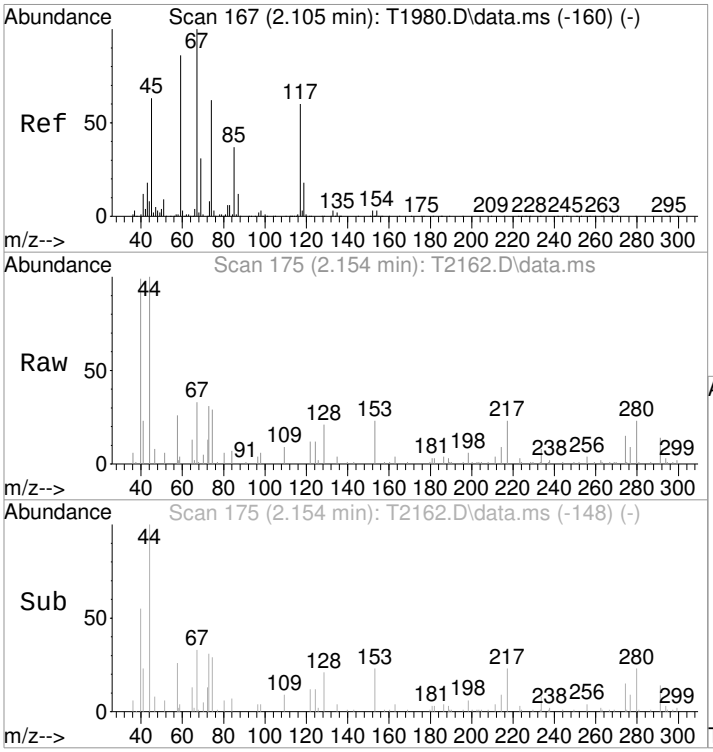


#3
Chloromethane
Concen: 0.53 ug/L
RT: 1.282 min Scan# 32
Delta R.T. -0.000 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 50 Resp: 2651

Ion	Ratio	Lower	Upper
50	100		
52	31.3	13.7	53.7

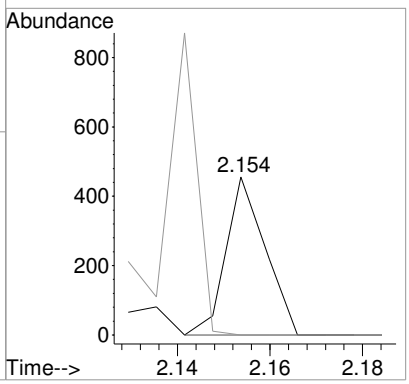


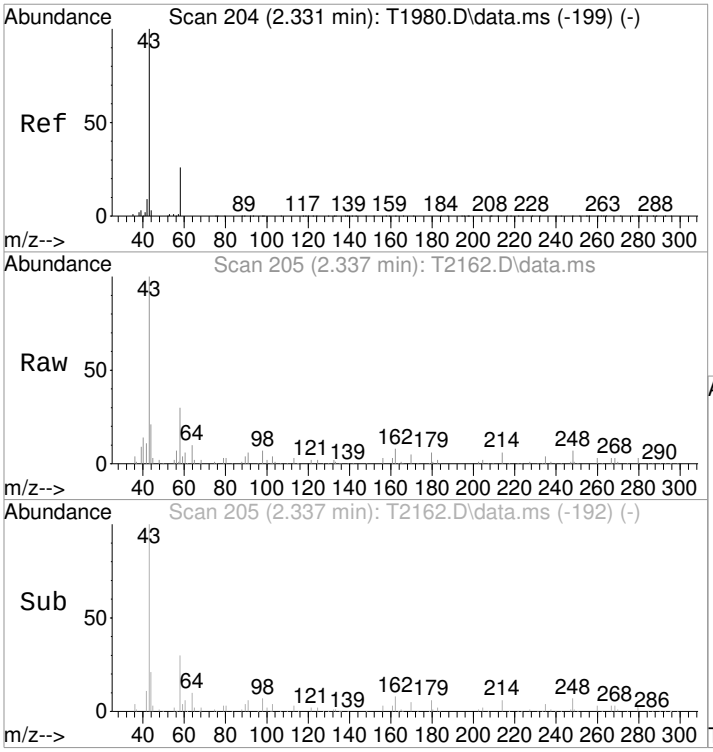


#10
Freon 123a
Concen: Below Cal
RT: 2.154 min Scan# 175
Delta R.T. 0.049 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 67 Resp: 267

Ion	Ratio	Lower	Upper
67	100		
117	0.0	40.7	80.7#

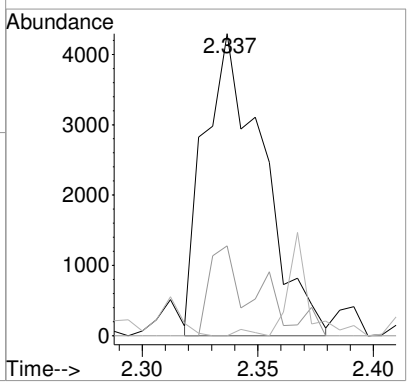


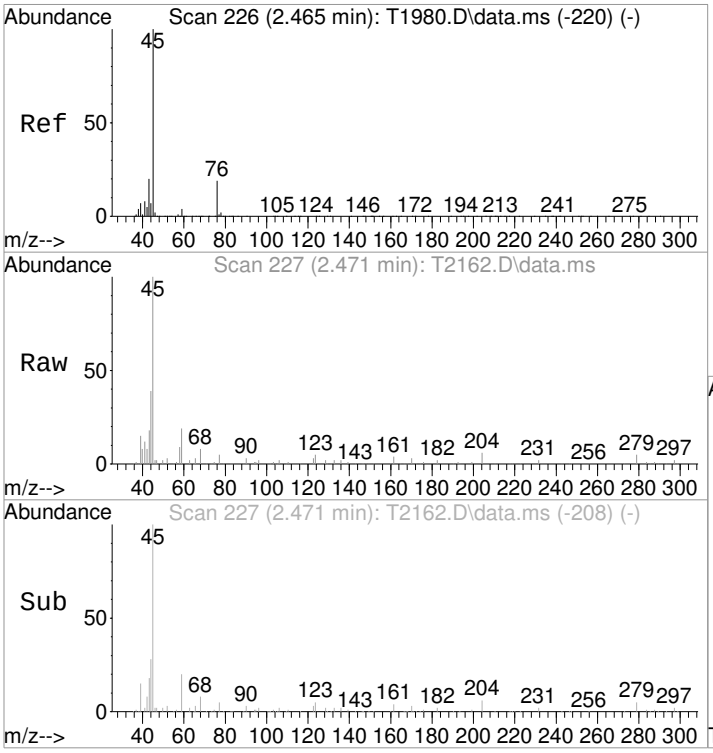


#15
Acetone
Concen: 4.39 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 43 Resp: 7574

Ion	Ratio	Lower	Upper
43	100		
58	24.6	6.1	46.1
42	0.0	0.0	29.3

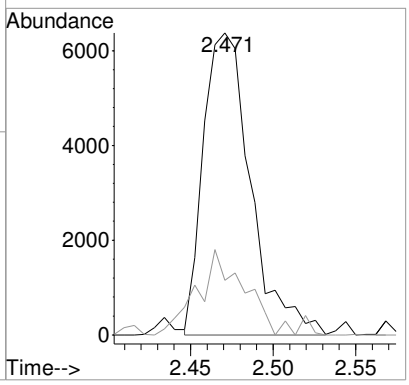


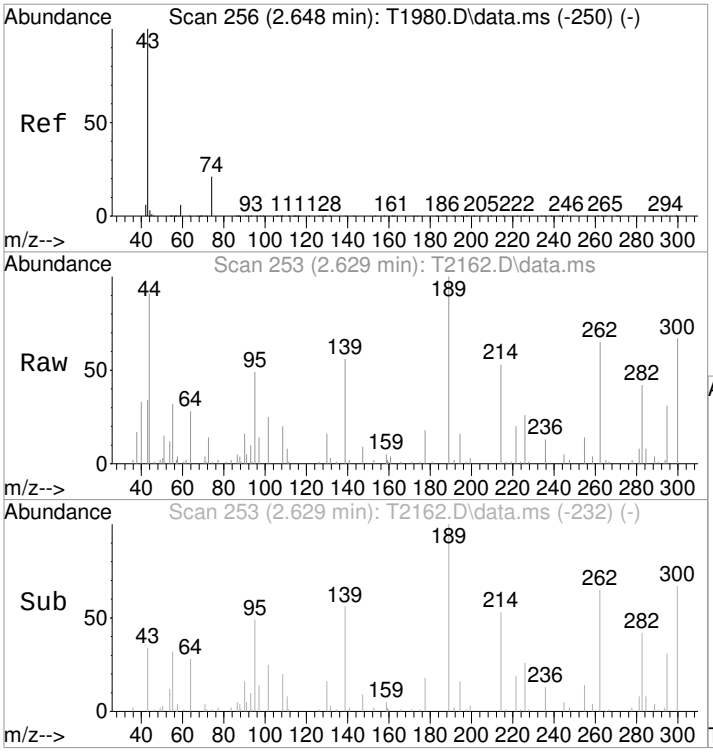


#16
2-Propanol
Concen: 30.74 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 45 Resp: 12732

Ion	Ratio	Lower	Upper
45	100		
43	18.1	0.0	39.8

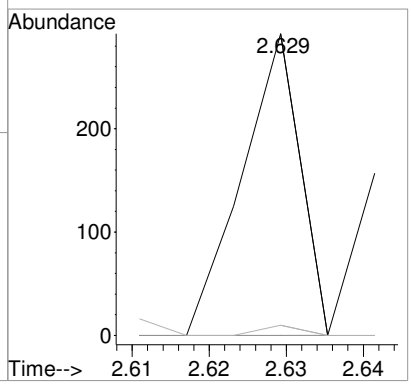


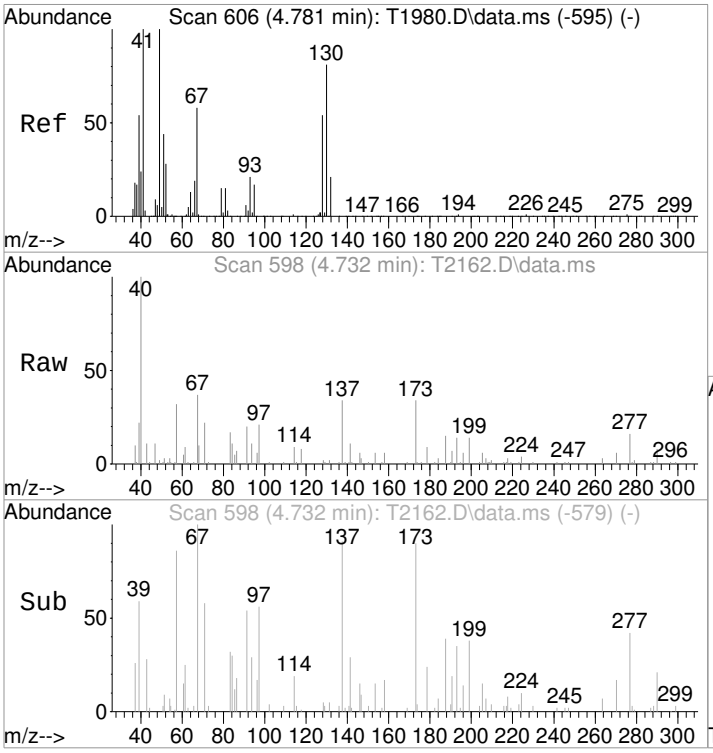


#21
Methyl Acetate
Concen: Below Cal
RT: 2.629 min Scan# 253
Delta R.T. -0.018 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 43 Resp: 152

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	3.4	0.6	40.6

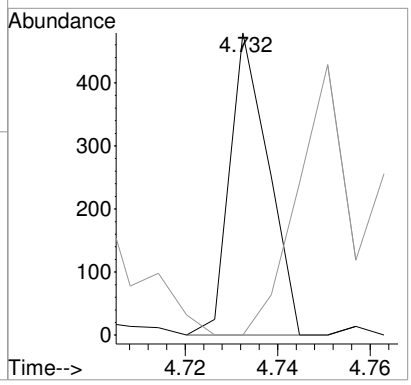


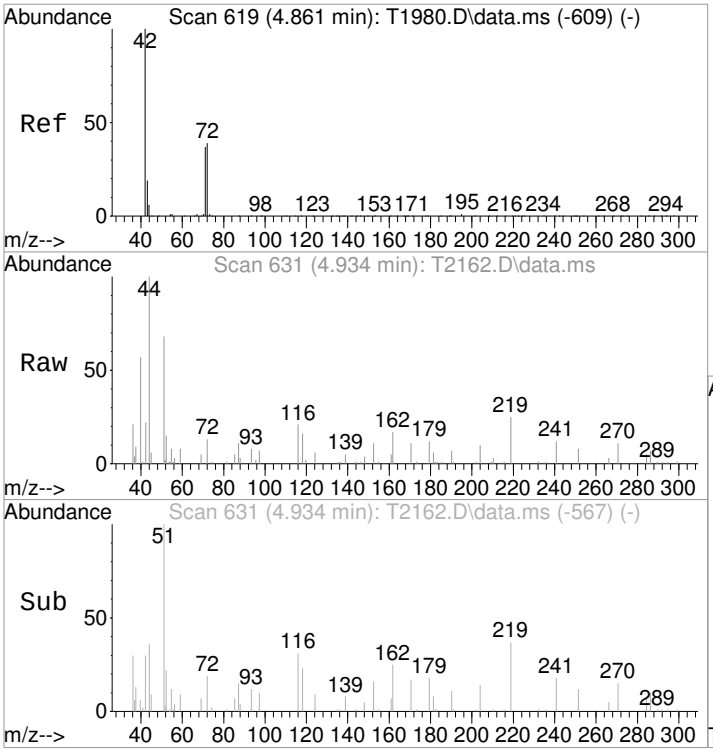


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.732 min Scan# 598
Delta R.T. -0.048 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 67 Resp: 276

Ion	Ratio	Lower	Upper
67	100		
41	0.0	154.0	194.0#

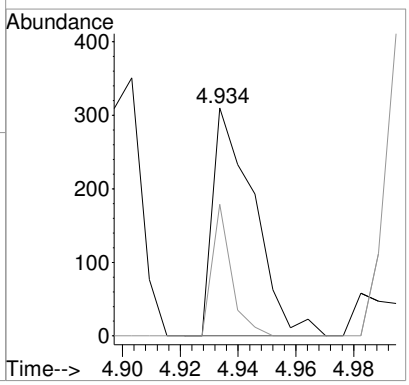


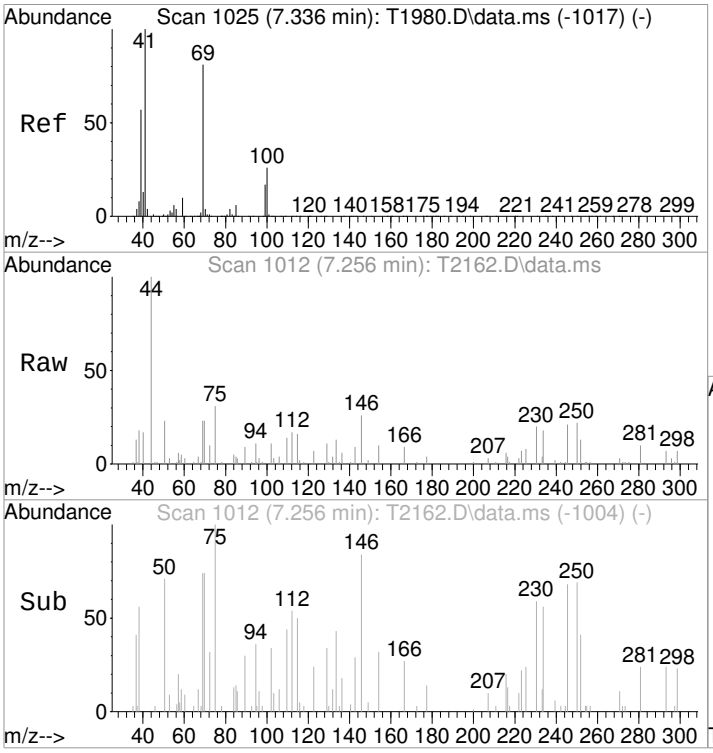


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.934 min Scan# 631
Delta R.T. 0.074 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 42 Resp: 305

Ion	Ratio	Lower	Upper
42	100		
72	57.7	18.3	58.3

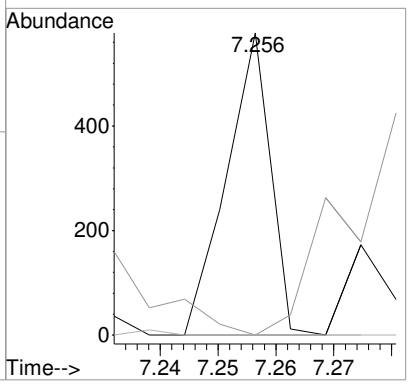


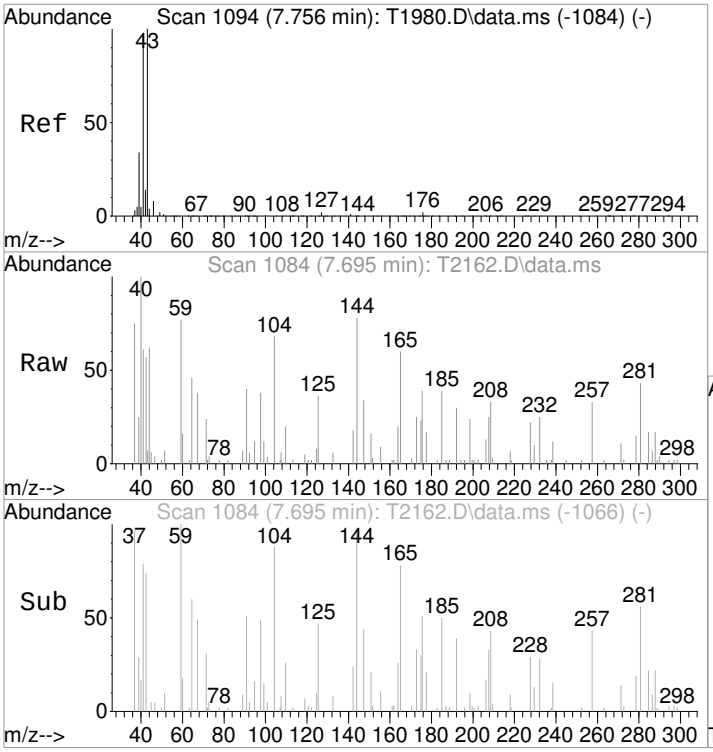


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.256 min Scan# 1012
Delta R.T. -0.079 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 69 Resp: 304

Ion	Ratio	Lower	Upper
69	100		
41	0.0	105.7	145.7#
100	0.0	12.5	52.5#

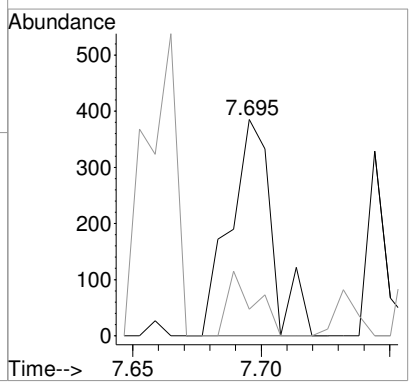


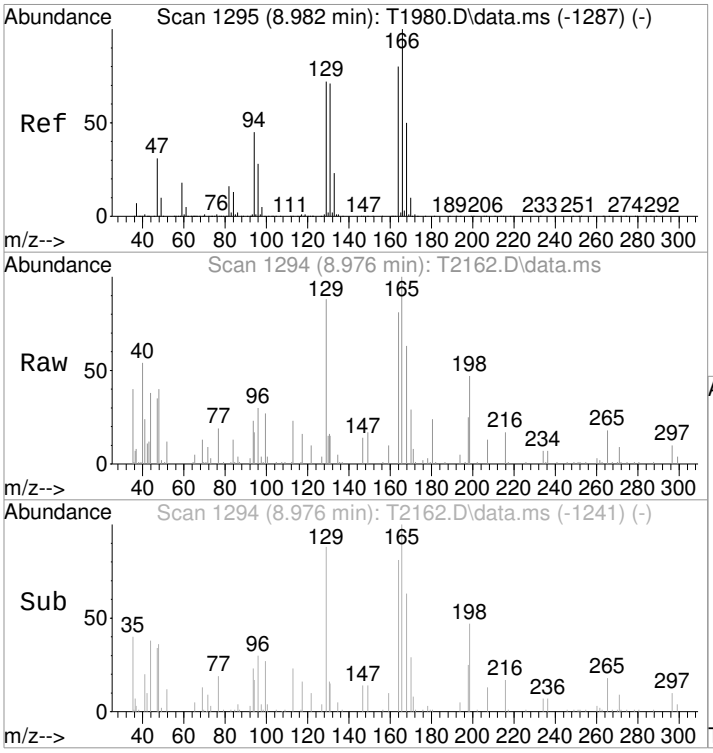


#60
2-Nitropropane
Concen: Below Cal
RT: 7.695 min Scan# 1084
Delta R.T. -0.061 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion: 41 Resp: 440

Ion	Ratio	Lower	Upper
41	100		
43	12.2	84.5	124.5#

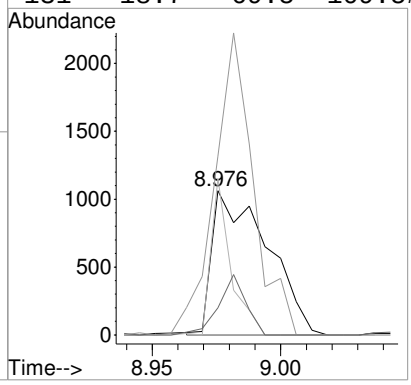




#71
Tetrachloroethene
Concen: 0.62 ug/L
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: T2162.D
Acq: 24 Sep 2020 6:19 pm

Tgt Ion:164 Resp: 1593

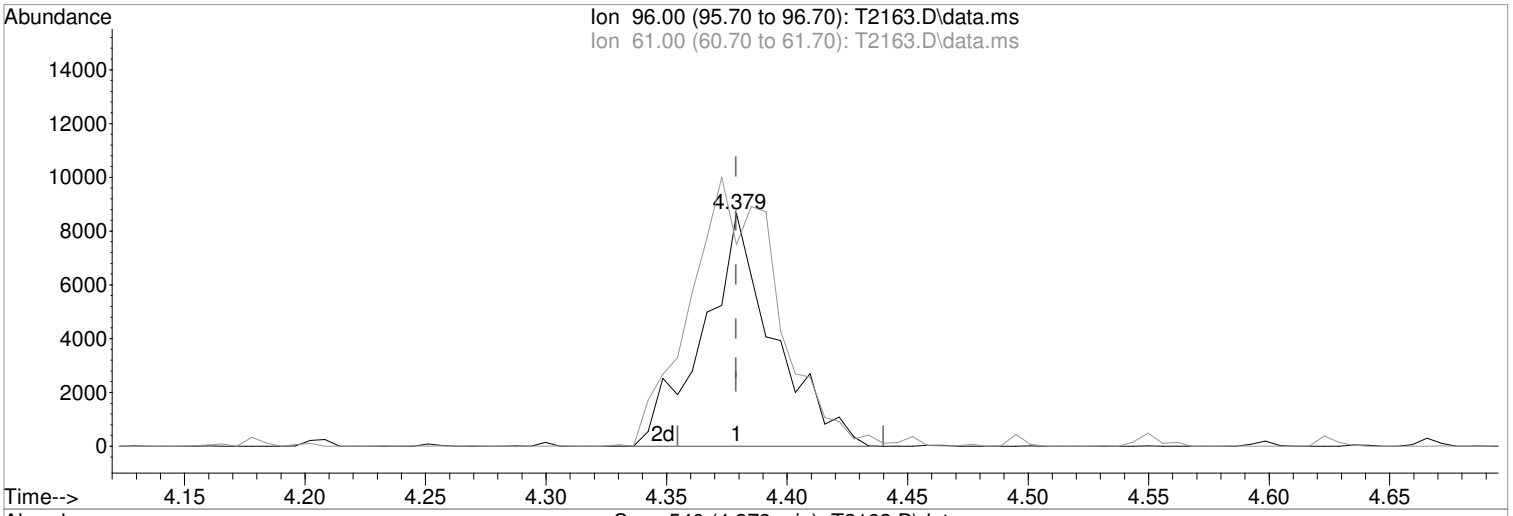
Ion	Ratio	Lower	Upper
164	100		
166	124.0	105.6	145.6
129	108.6	69.9	109.9
131	18.7	69.5	109.5#

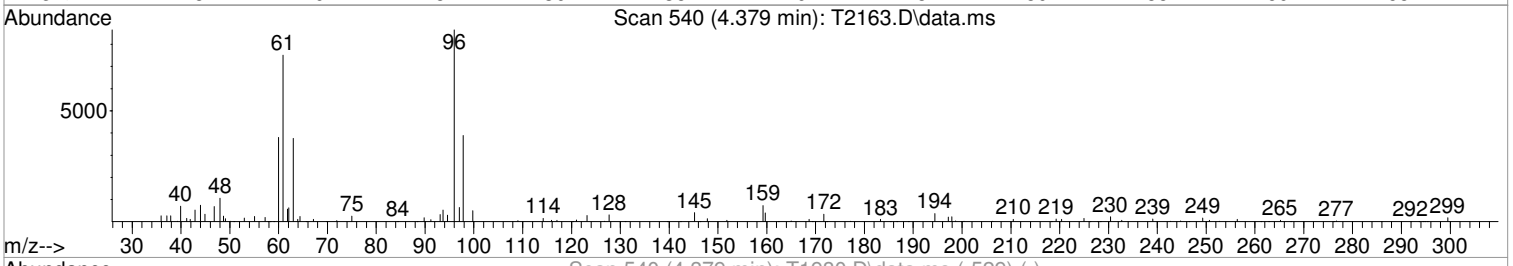


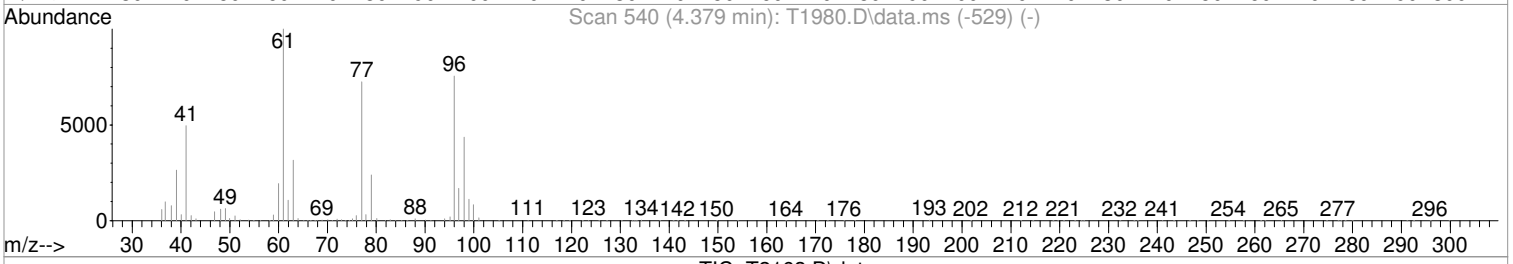
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2163.D
Acq On : 24 Sep 2020 6:41 pm
Operator : F.NAEGLER
Sample : R2008604-014|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 25 06:05:26 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2163.D\data.ms

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

4.379min (+0.000) 4.85 ug/L m

response 17541

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	86.78#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

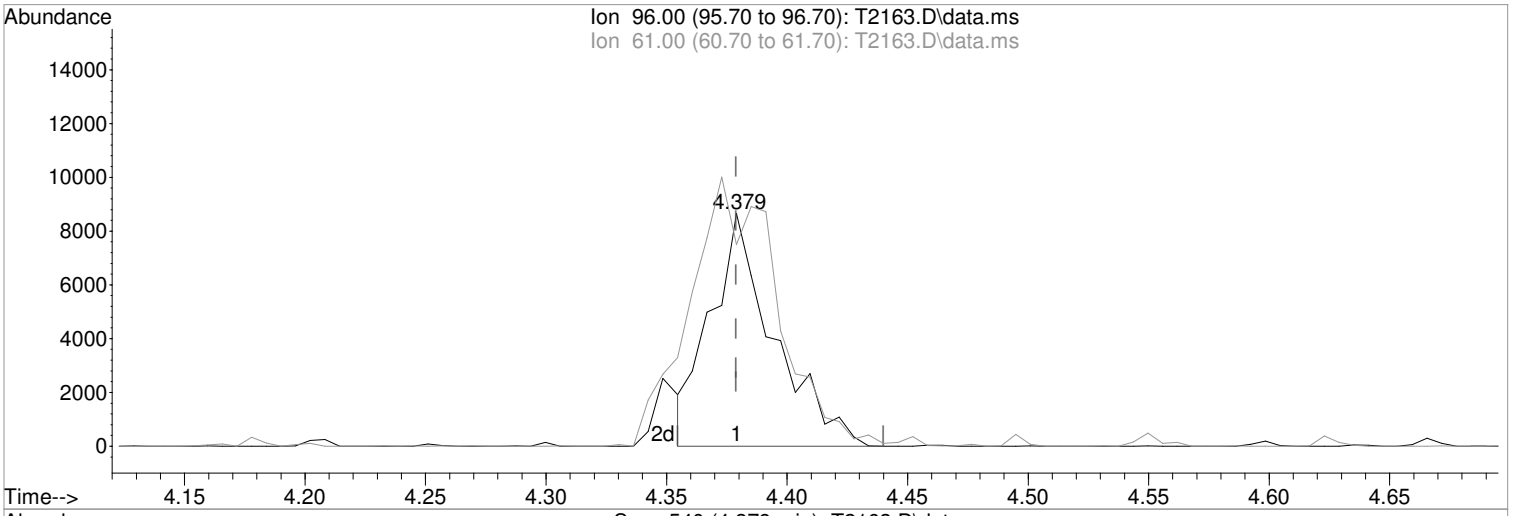
Poor integration.

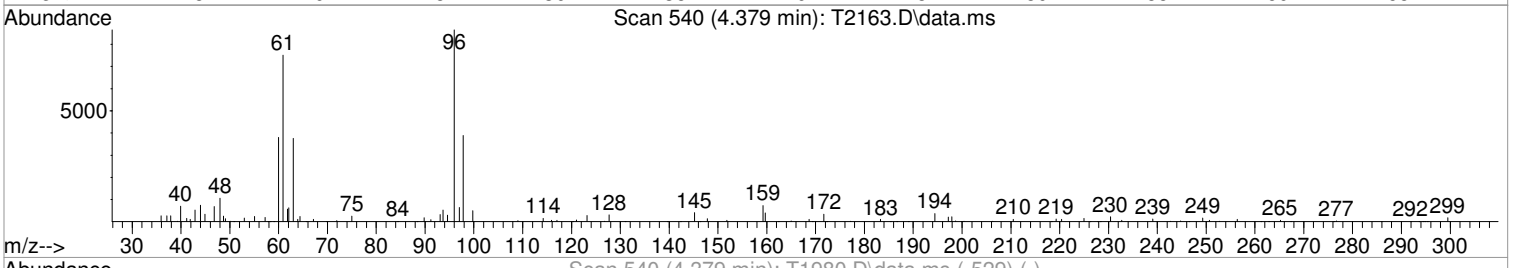
09/25/20

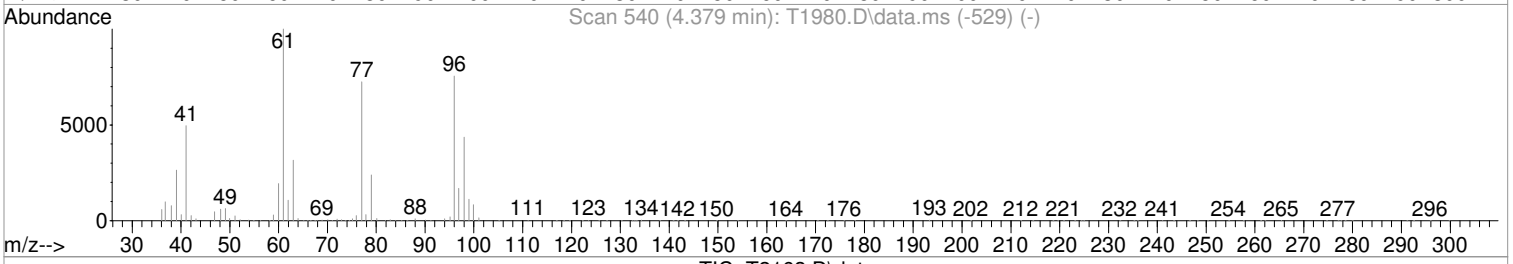
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2163.D
Acq On : 24 Sep 2020 6:41 pm
Operator : F.NAEGLER
Sample : R2008604-014|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 25 06:05:26 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2163.D\data.ms

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

4.379min (+0.000) 4.34 ug/L

response 15713

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	86.78#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/25/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2163.D
Acq On : 24 Sep 2020 6:41 pm
Operator : F.NAEGLER
Sample : R2008604-014|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 25 17:36:33 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

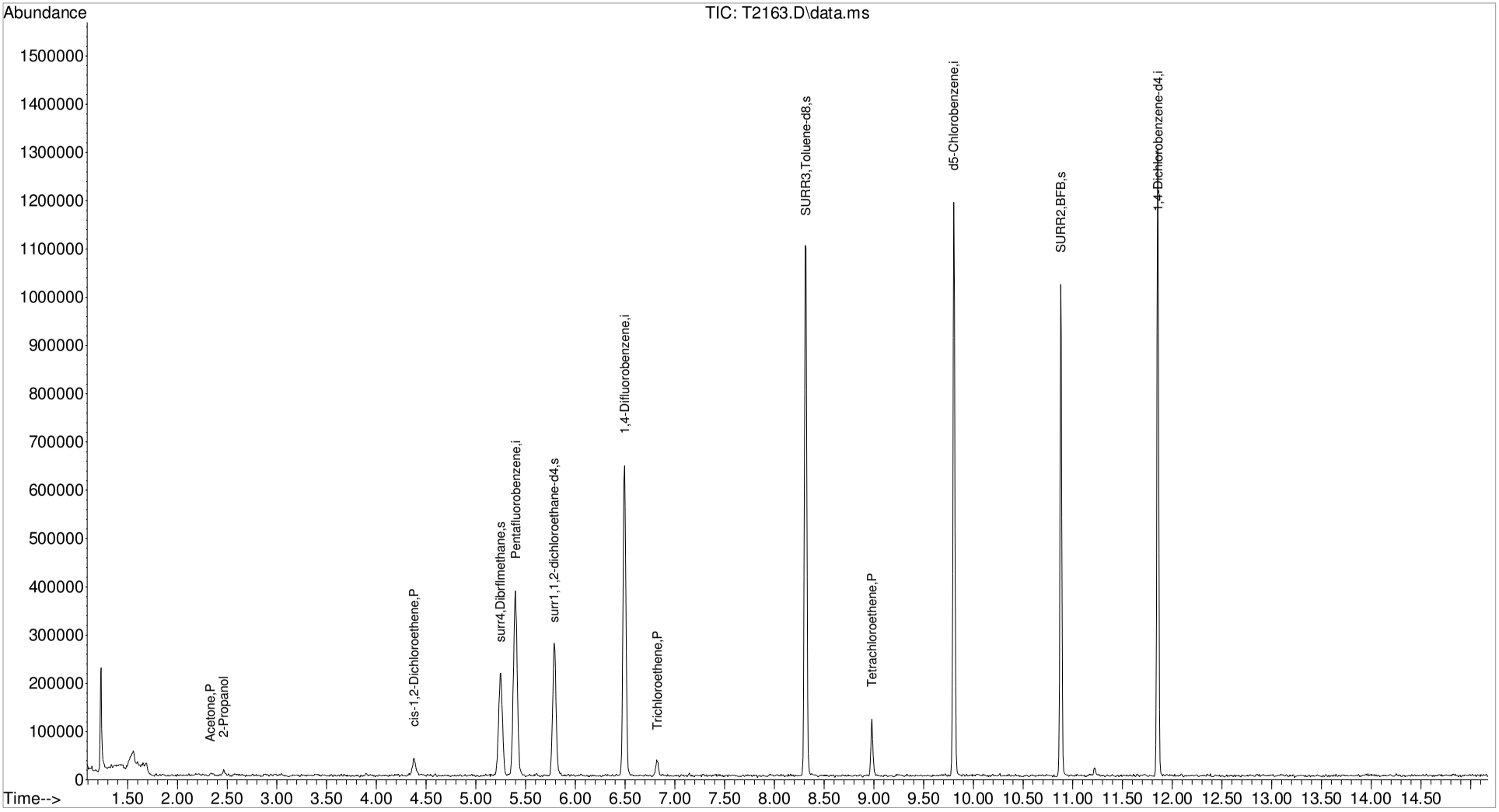
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	359257	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	541918	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	495250	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	237498	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	168457	51.18	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.36%			
46) surr1,1,2-dichloroetha...	5.781	65	224136	57.33	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 114.66%			
64) SURR3,Toluene-d8	8.317	98	666213	52.66	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 105.32%			
69) SURR2,BFB	10.878	95	247260	49.58	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.16%			
Target Compounds						Qvalue
15) Acetone	2.331	43	4862	2.76	ug/L	77
16) 2-Propanol	2.465	45	10239	24.17	ug/L	69
21) Methyl Acetate	2.654	43	1434	Below Cal		63
33) cis-1,2-Dichloroethene	4.379	96	17541m	4.85	ug/L	
37) Methacrylonitrile	4.775	67	362	Below Cal	#	1
38) Tetrahydrofuran	4.794	42	419	Below Cal	#	42
42) Cyclohexane	5.336	41	804	Below Cal	#	1
53) Trichloroethene	6.824	130	9951	3.07	ug/L	84
58) Methyl Methacrylate	7.244	69	306	Below Cal	#	53
60) 2-Nitropropane	7.695	41	331	Below Cal	#	1
71) Tetrachloroethene	8.982	164	20777	7.99	ug/L #	77

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

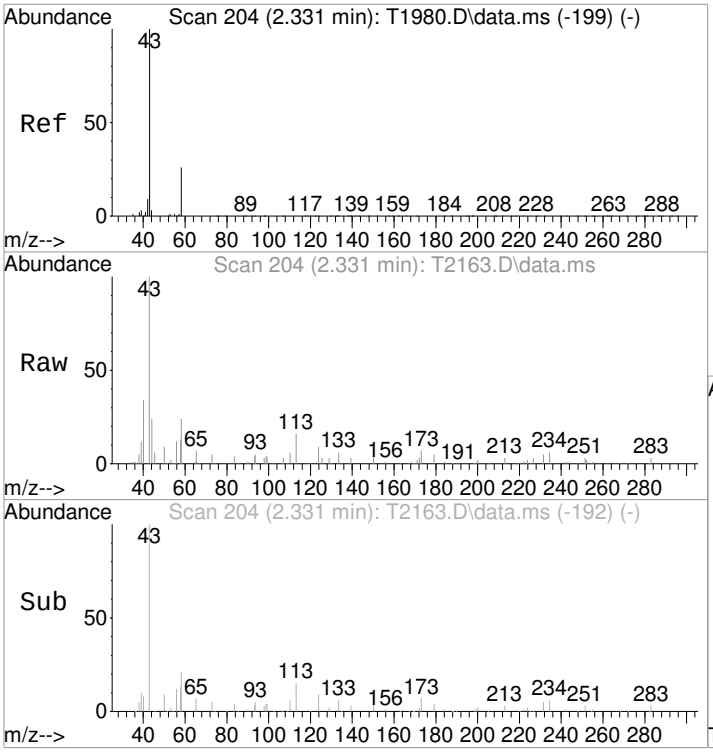
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2163.D
Acq On : 24 Sep 2020 6:41 pm
Operator : F.NAEGLER
Sample : R2008604-014|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 25 17:36:33 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



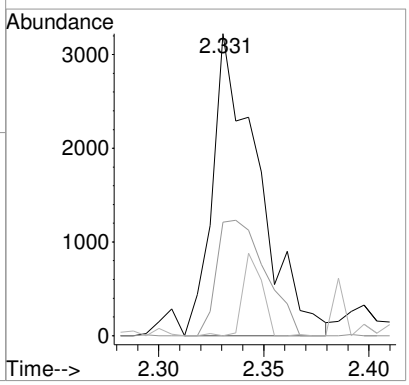
1st FJ 09/25/20
2nd 09/26/20

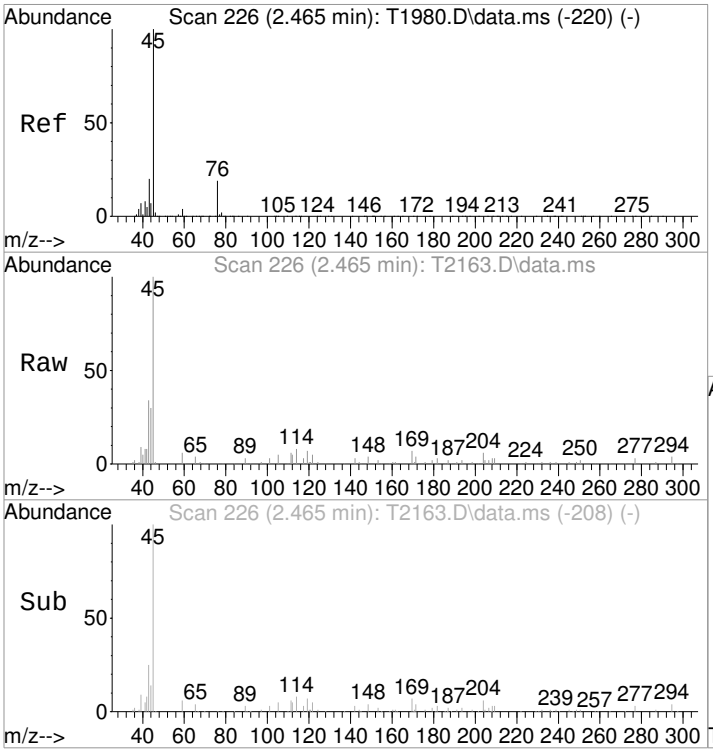


#15
Acetone
Concen: 2.76 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 43 Resp: 4862

Ion	Ratio	Lower	Upper
43	100		
58	37.6	6.1	46.1
42	0.0	0.0	29.3

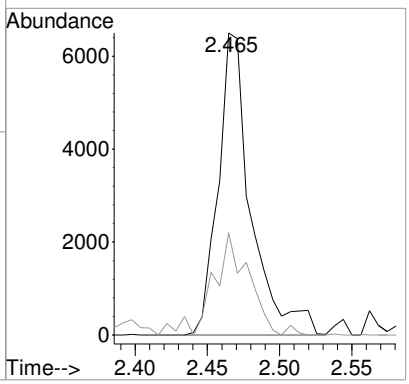


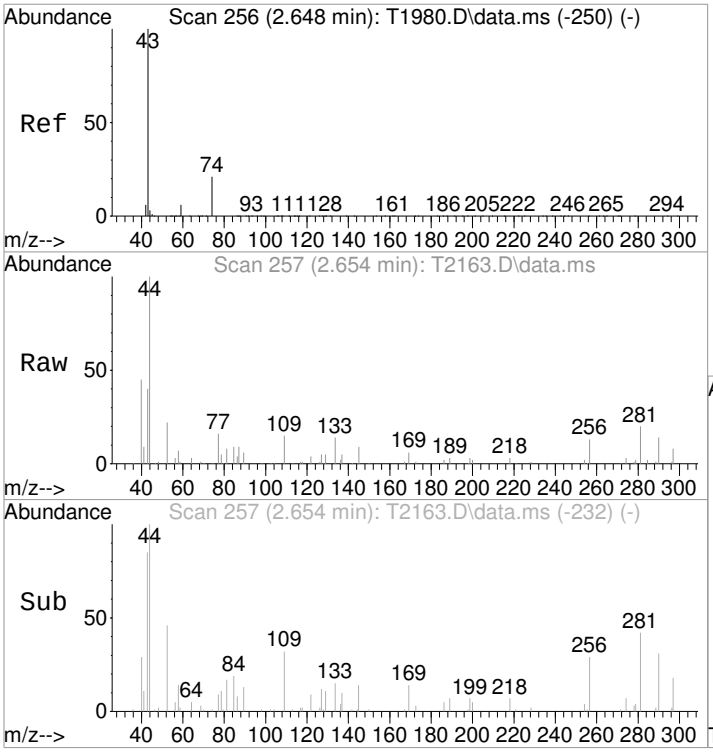


#16
2-Propanol
Concen: 24.17 ug/L
RT: 2.465 min Scan# 226
Delta R.T. 0.000 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 45 Resp: 10239

Ion	Ratio	Lower	Upper
45	100		
43	33.9	0.0	39.8

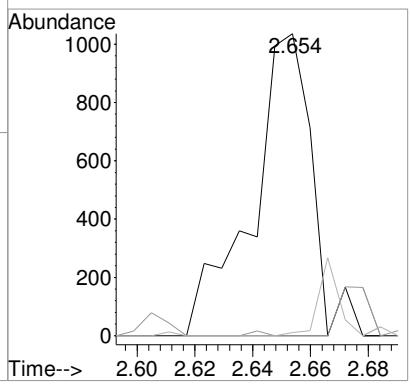


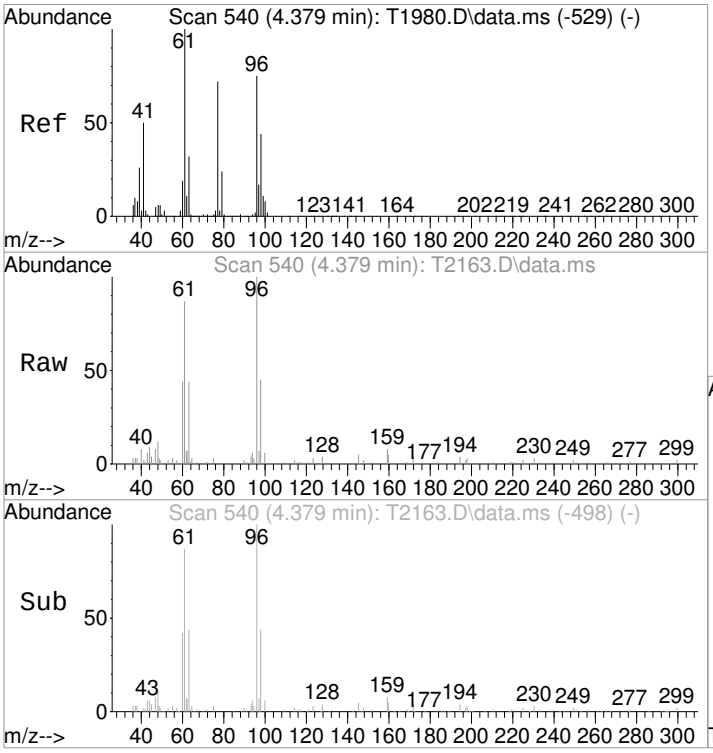


#21
Methyl Acetate
Concen: Below Cal
RT: 2.654 min Scan# 257
Delta R.T. 0.007 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 43 Resp: 1434

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	1.1	0.6	40.6

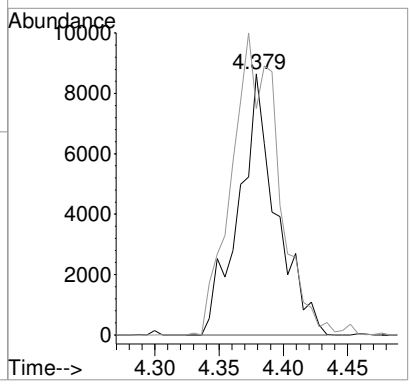


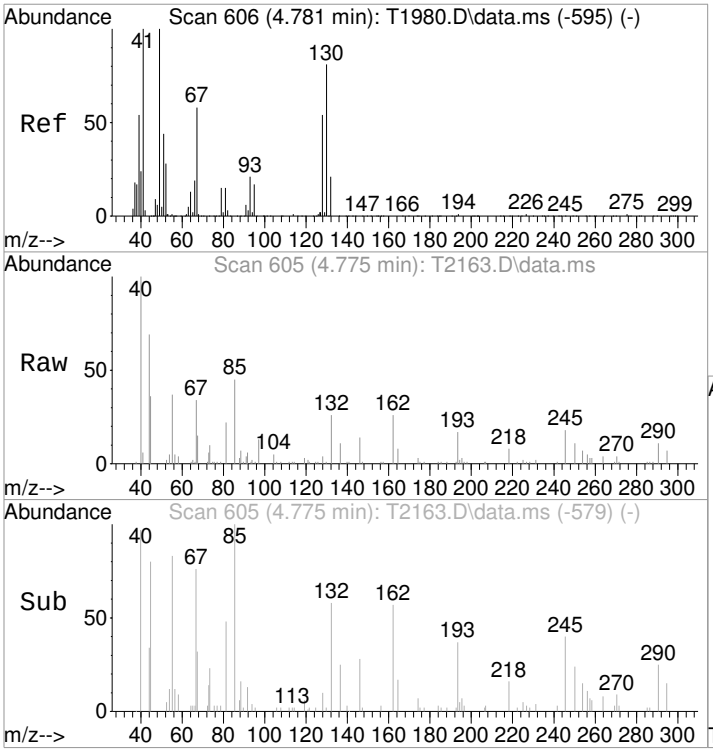


#33
cis-1,2-Dichloroethene
Concen: 4.85 ug/L m
RT: 4.379 min Scan# 540
Delta R.T. 0.000 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 96 Resp: 17541

Ion	Ratio	Lower	Upper
96	100		
61	86.8	113.1	153.1#

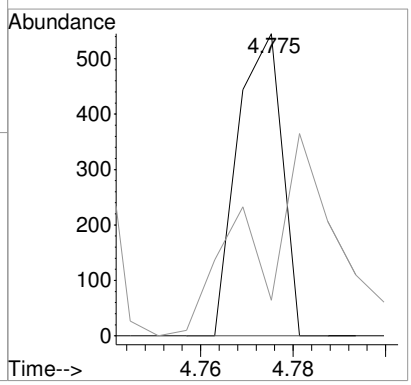


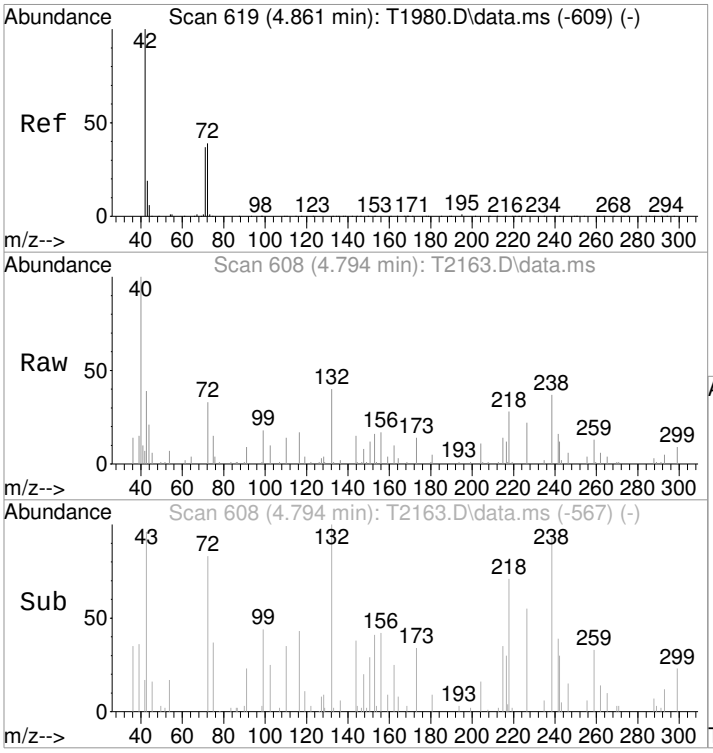


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.775 min Scan# 605
Delta R.T. -0.006 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 67 Resp: 362

Ion	Ratio	Lower	Upper
67	100		
41	11.7	154.0	194.0#

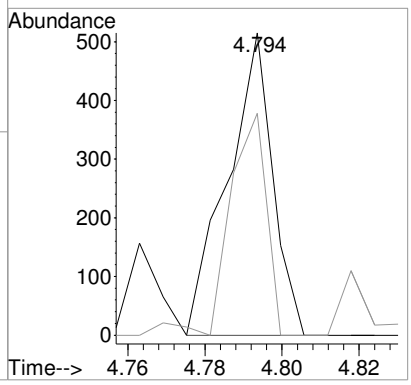


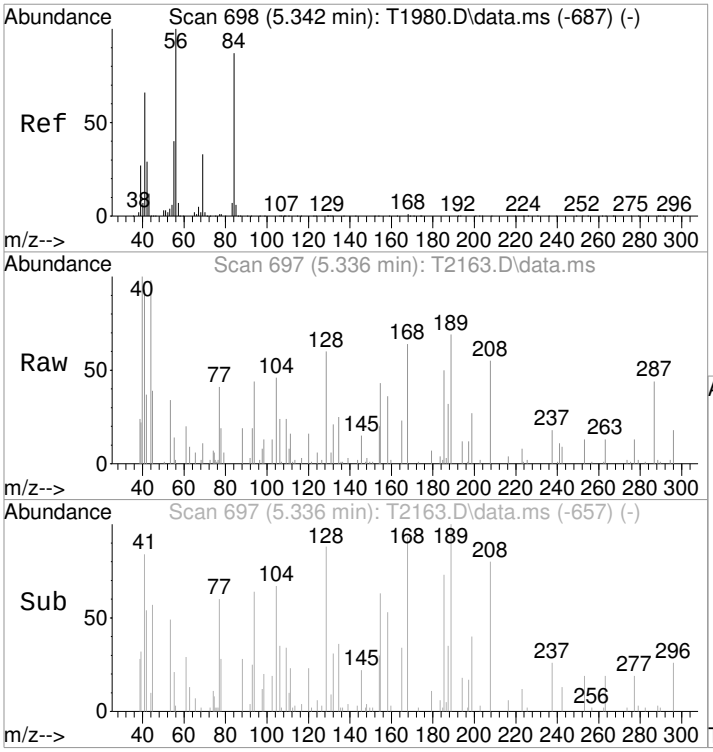


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.794 min Scan# 608
Delta R.T. -0.066 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 42 Resp: 419

Ion	Ratio	Lower	Upper
42	100		
72	73.4	18.3	58.3#

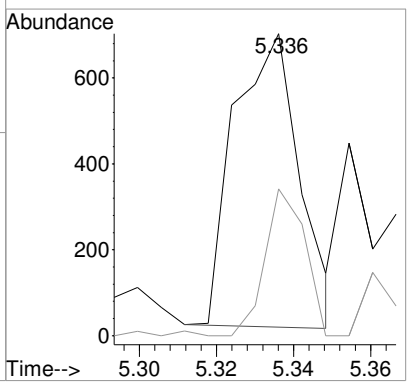


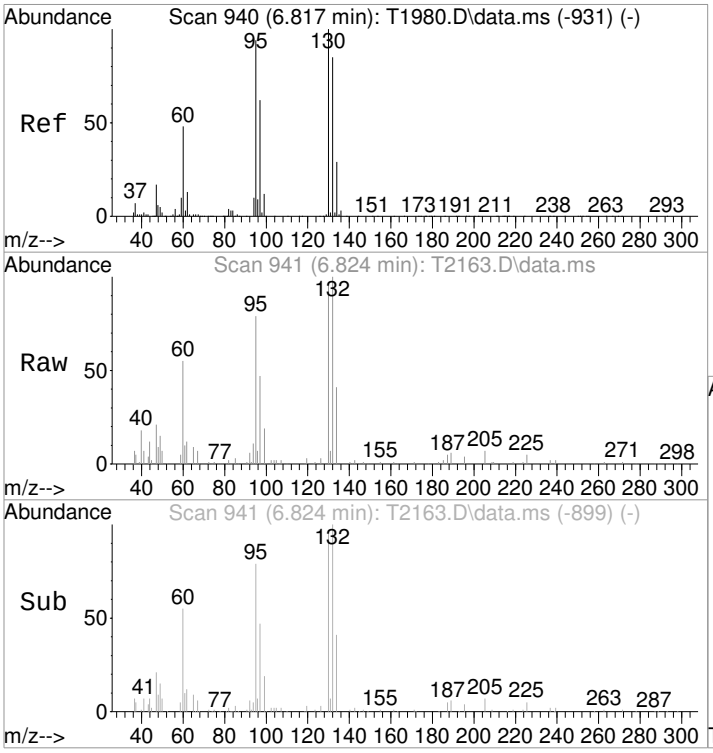


#42
Cyclohexane
Concen: Below Cal
RT: 5.336 min Scan# 697
Delta R.T. -0.006 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 41 Resp: 804

Ion	Ratio	Lower	Upper
41	100		
39	112.0	21.9	61.9#

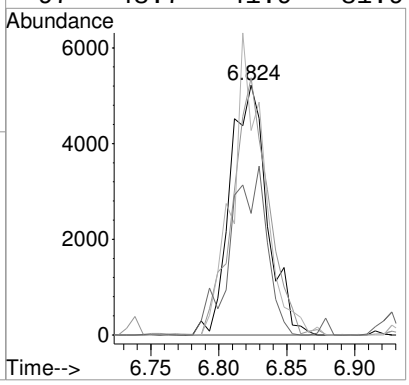


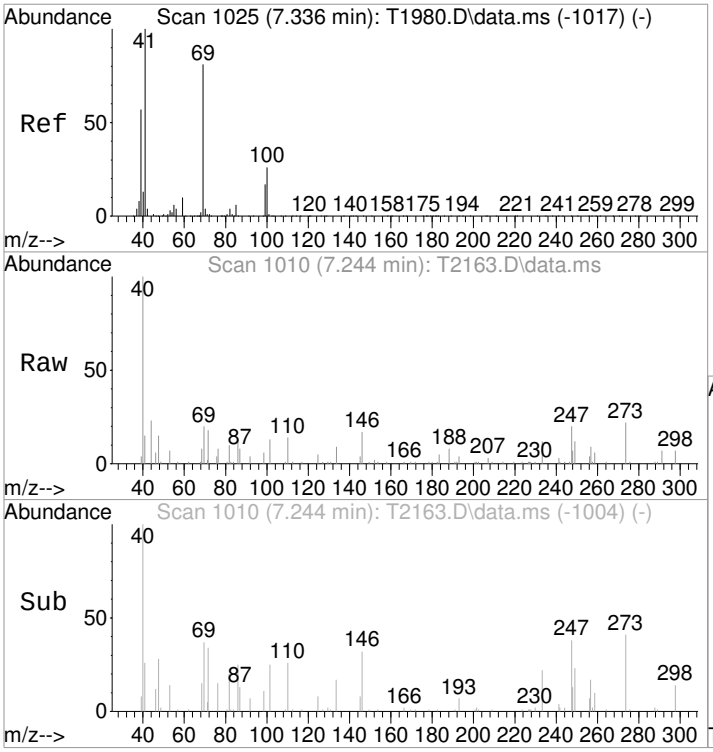


#53
Trichloroethene
Concen: 3.07 ug/L
RT: 6.824 min Scan# 941
Delta R.T. 0.006 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion:130 Resp: 9951

Ion	Ratio	Lower	Upper
130	100		
132	102.9	65.4	105.4
95	81.7	73.7	113.7
97	48.7	41.9	81.9

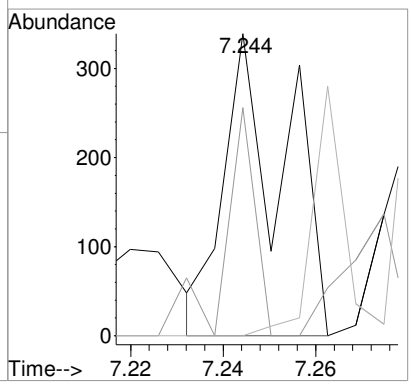


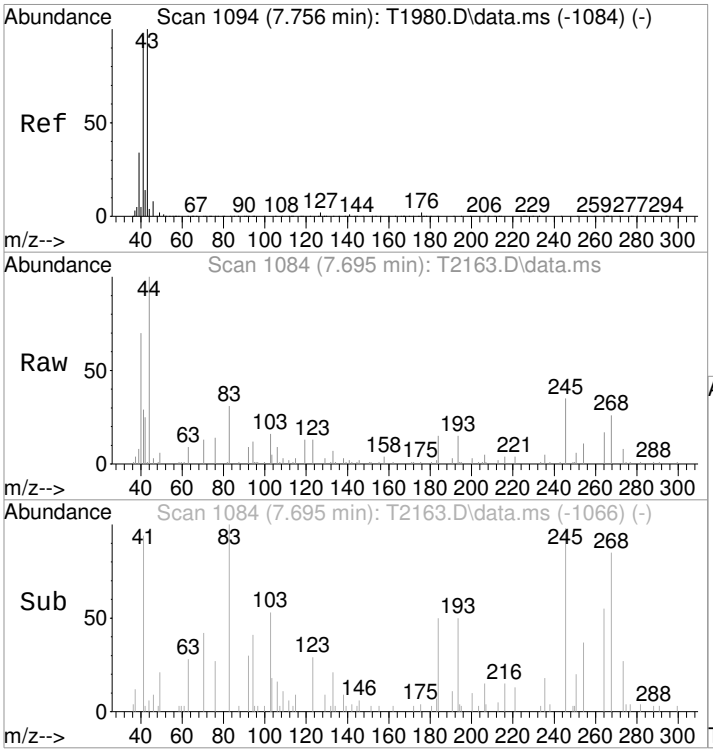


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.244 min Scan# 1010
Delta R.T. -0.091 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 69 Resp: 306

Ion	Ratio	Lower	Upper
69	100		
41	75.5	105.7	145.7#
100	0.0	12.5	52.5#

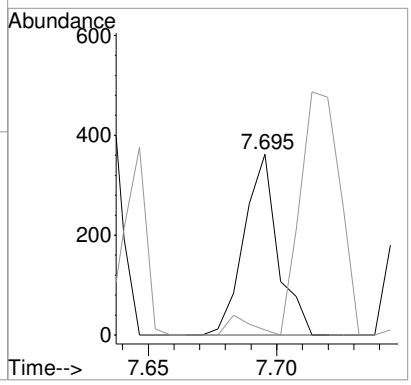


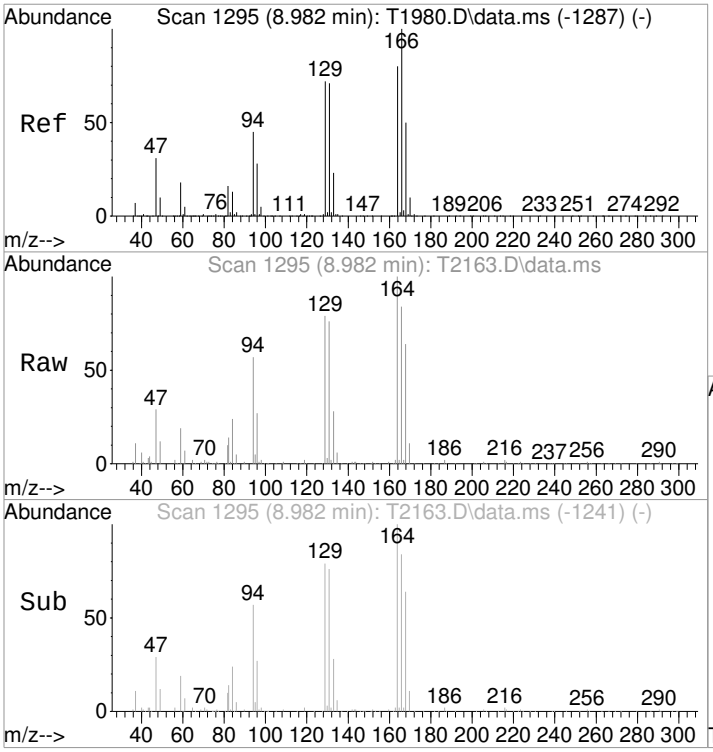


#60
2-Nitropropane
Concen: Below Cal
RT: 7.695 min Scan# 1084
Delta R.T. -0.061 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion: 41 Resp: 331

Ion	Ratio	Lower	Upper
41	100		
43	2.8	84.5	124.5#

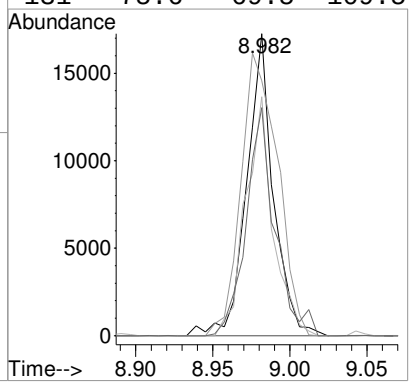




#71
Tetrachloroethene
Concen: 7.99 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: T2163.D
Acq: 24 Sep 2020 6:41 pm

Tgt Ion:164 Resp: 20777

Ion	Ratio	Lower	Upper
164	100		
166	84.5	105.6	145.6#
129	79.1	69.9	109.9
131	75.6	69.5	109.5



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 16:57:15 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

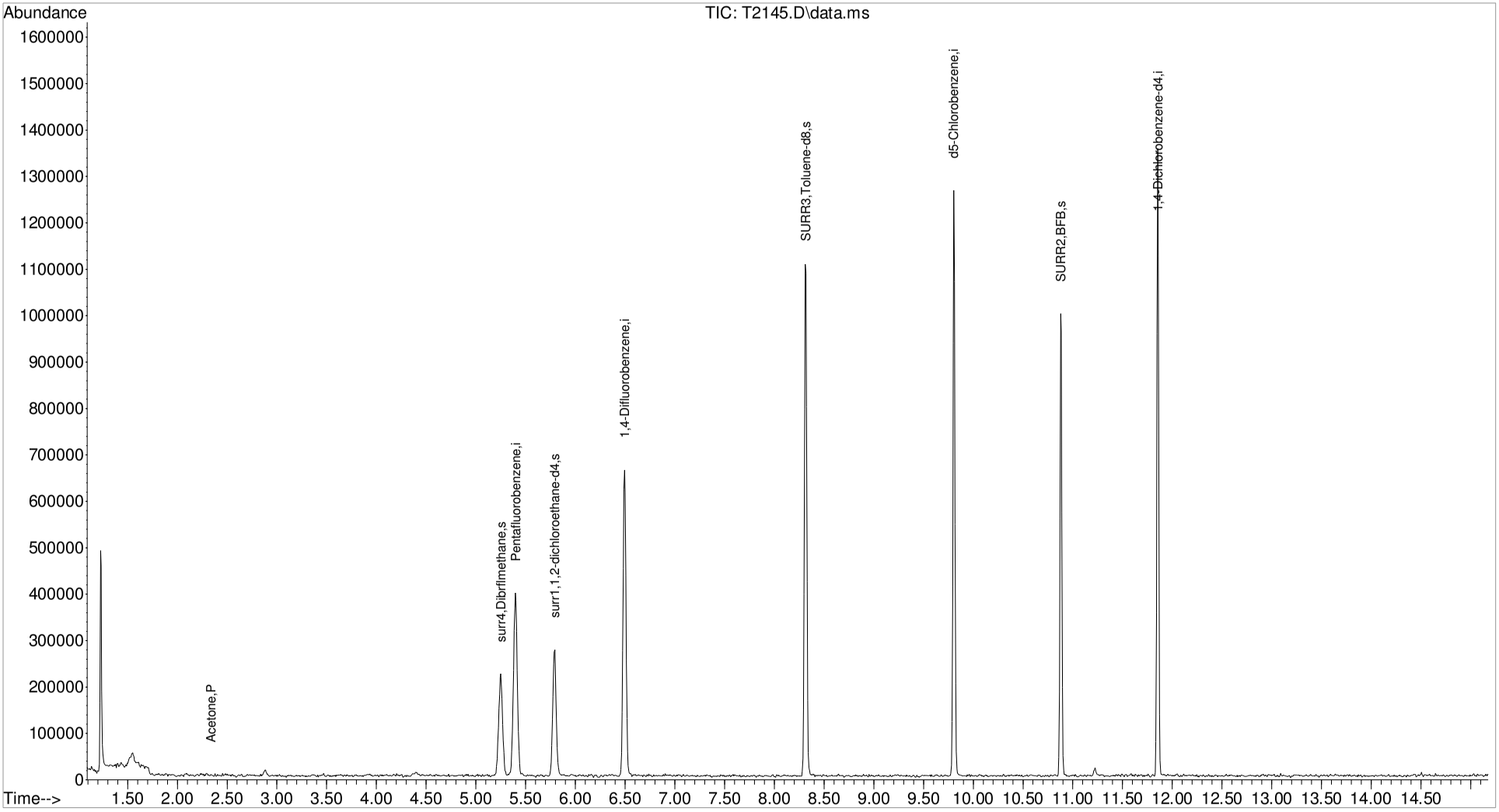
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	370137	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	565066	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	517284	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	249868	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	169801	49.47	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.94%				
46) surr1,1,2-dichloroetha...	5.793	65	220549	54.10	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 108.20%				
64) SURR3,Toluene-d8	8.317	98	664561	50.38	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.76%				
69) SURR2,BFB	10.878	95	237834	45.74	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.48%				
Target Compounds							Qvalue
15) Acetone	2.337	43	2160	1.19	ug/L		89
21) Methyl Acetate	2.568	43	622	Below Cal			64
38) Tetrahydrofuran	4.867	42	321	Below Cal		#	25
60) 2-Nitropropane	7.726	41	327	Below Cal		#	50

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

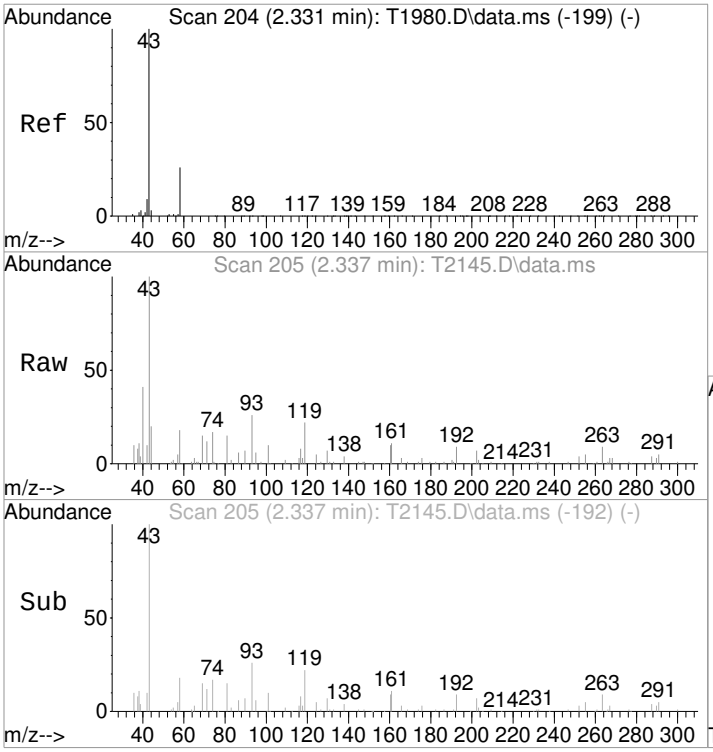
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 16:57:15 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



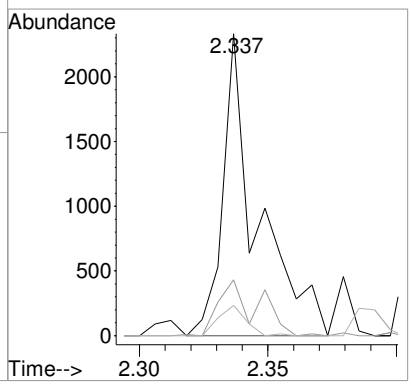
1st FJ 09/25/20
2nd 09/26/20

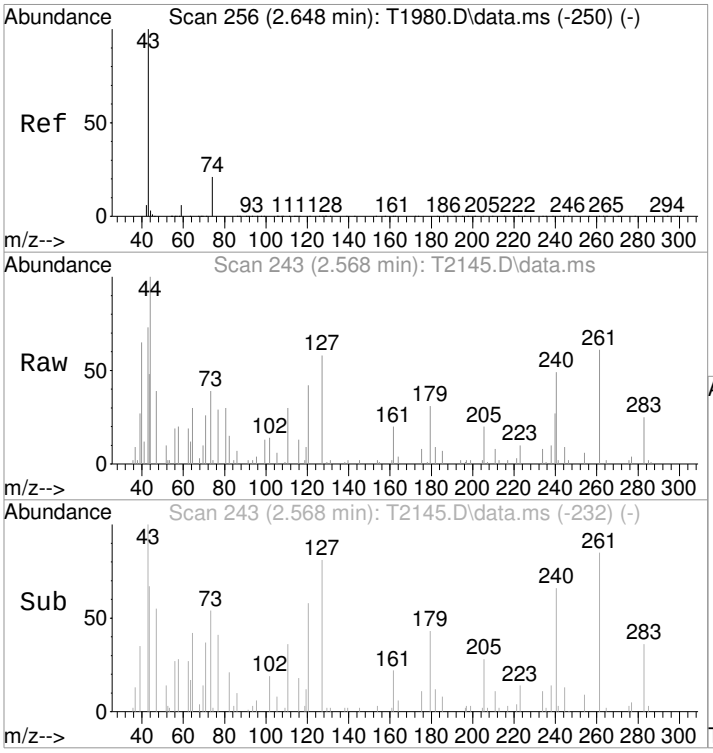


#15
Acetone
Concen: 1.19 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2145.D
Acq: 24 Sep 2020 12:08 pm

Tgt Ion: 43 Resp: 2160

Ion	Ratio	Lower	Upper
43	100		
58	18.9	6.1	46.1
42	10.0	0.0	29.3

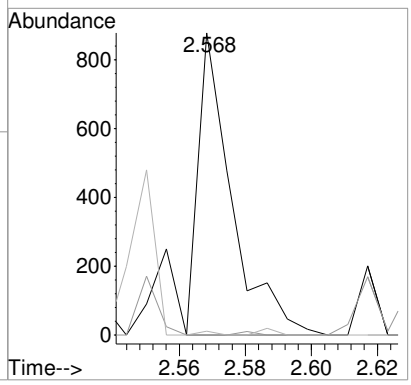


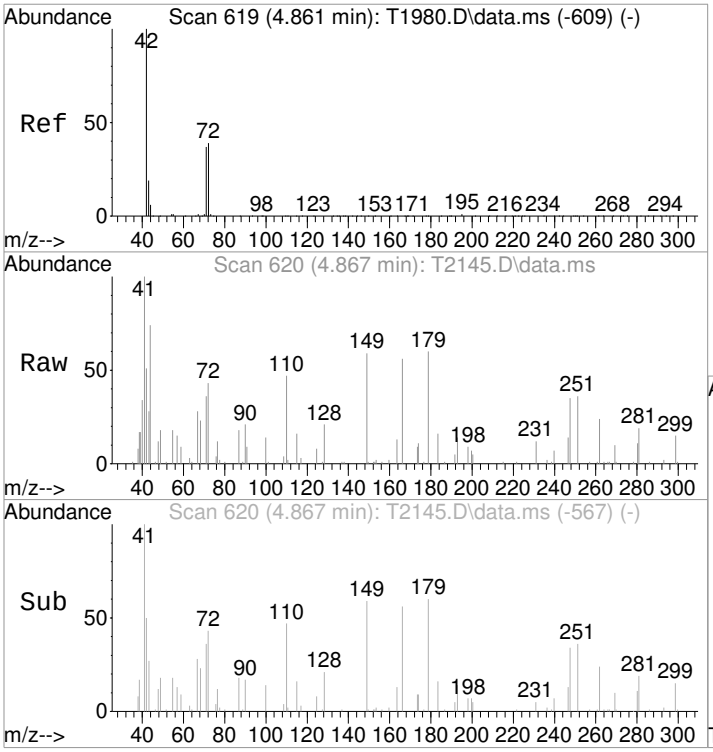


#21
Methyl Acetate
Concen: Below Cal
RT: 2.568 min Scan# 243
Delta R.T. -0.079 min
Lab File: T2145.D
Acq: 24 Sep 2020 12:08 pm

Tgt Ion: 43 Resp: 622

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	1.3	0.6	40.6

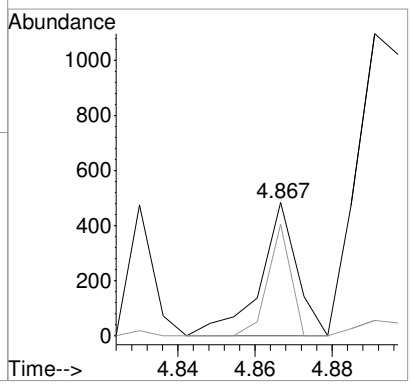


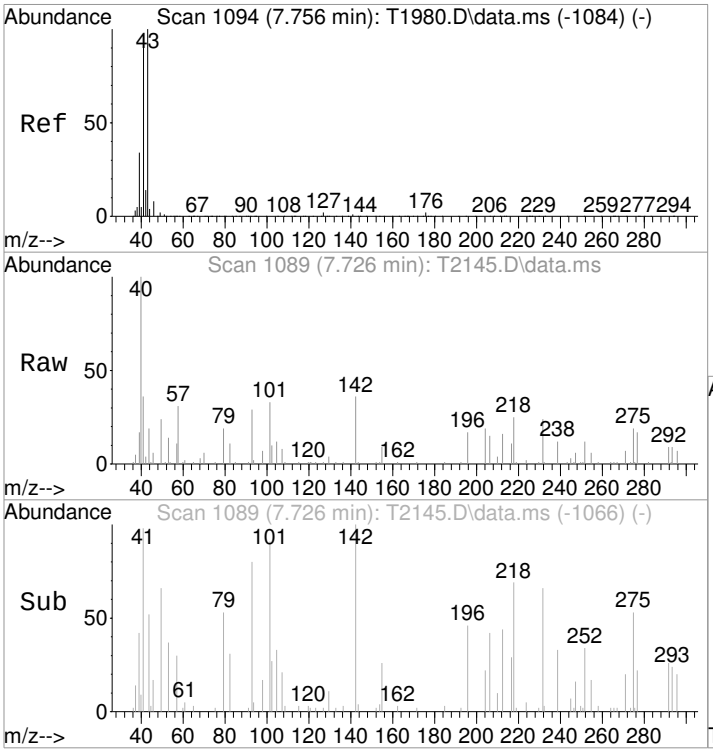


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.867 min Scan# 620
Delta R.T. 0.007 min
Lab File: T2145.D
Acq: 24 Sep 2020 12:08 pm

Tgt Ion: 42 Resp: 321

Ion	Ratio	Lower	Upper
42	100		
72	83.7	18.3	58.3#

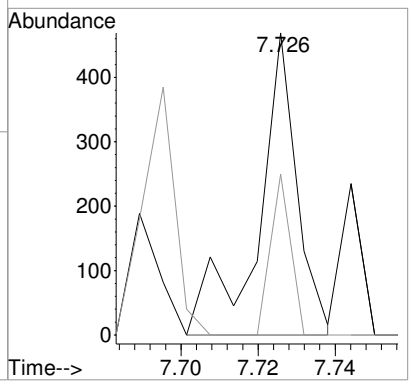




#60
2-Nitropropane
Concen: Below Cal
RT: 7.726 min Scan# 1089
Delta R.T. -0.030 min
Lab File: T2145.D
Acq: 24 Sep 2020 12:08 pm

Tgt Ion: 41 Resp: 327

Ion	Ratio	Lower	Upper
41	100		
43	53.3	84.5	124.5#



LSC Area Percent Report

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
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\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge

Signal : TIC: T2145.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.227	20	23	32	rBV	475937	524361	28.50%	4.851%
2	1.526	66	72	73	rBV6	19312	35602	1.93%	0.329%
3	2.885	288	295	302	rVB4	13864	30657	1.67%	0.284%
4	5.251	671	683	694	rBV2	219761	598647	32.53%	5.539%
5	5.397	696	707	716	rBV2	392233	1043217	56.69%	9.652%
6	5.793	761	772	783	rBV2	273088	667004	36.25%	6.171%
7	6.494	878	887	896	rBV	660112	1362812	74.06%	12.609%
8	8.311	1178	1185	1194	rBV	1102994	1840150	100.00%	17.025%
9	9.805	1423	1430	1444	rVB	1262431	1703292	92.56%	15.759%
10	10.878	1601	1606	1616	rBV	997066	1307332	71.04%	12.095%
11	11.225	1657	1663	1670	rBV8	17724	29017	1.58%	0.268%
12	11.853	1761	1766	1772	rBV	1352548	1666406	90.56%	15.418%

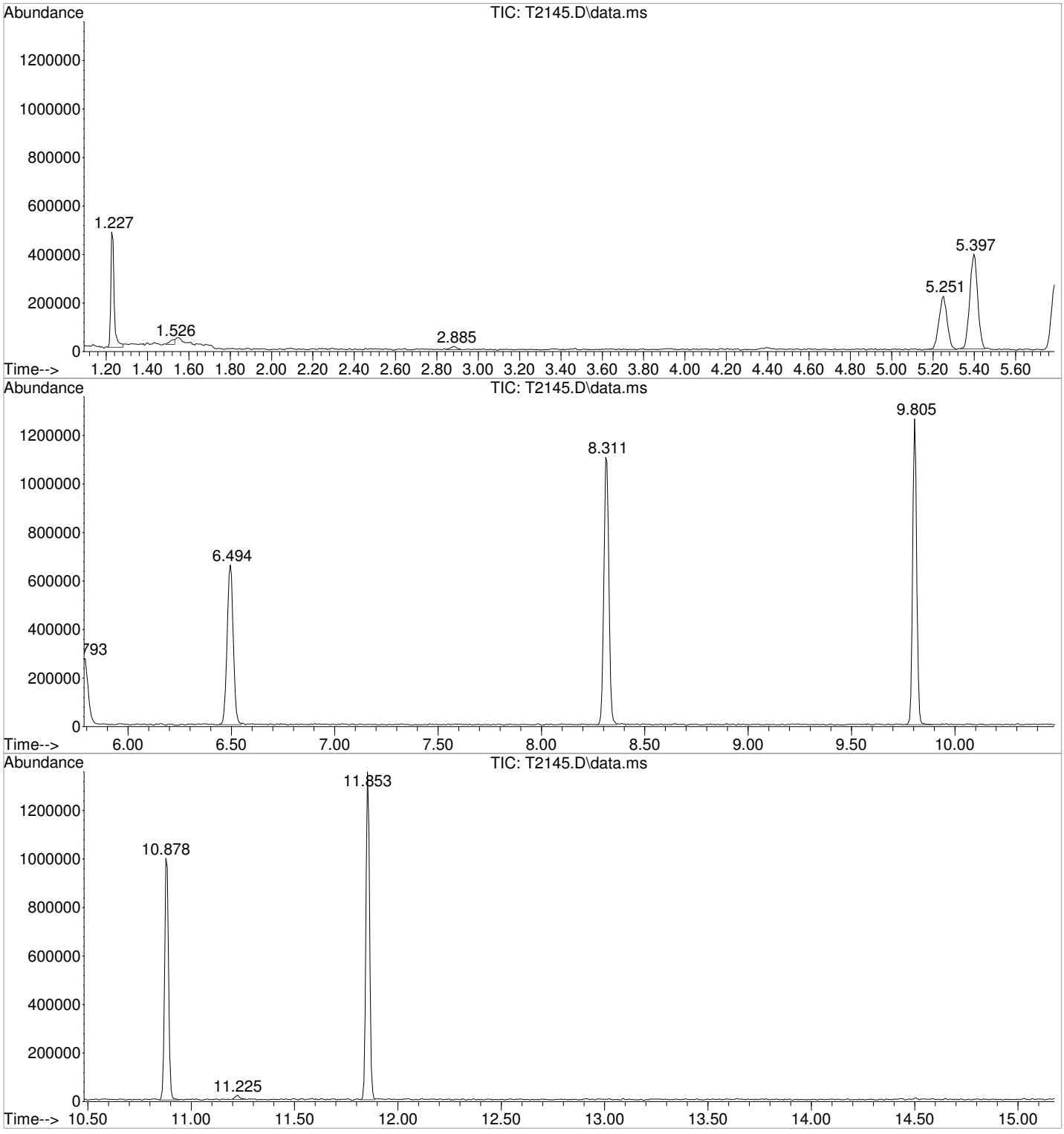
Sum of corrected areas: 10808497

LSC Report - Integrated Chromatogram

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.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\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

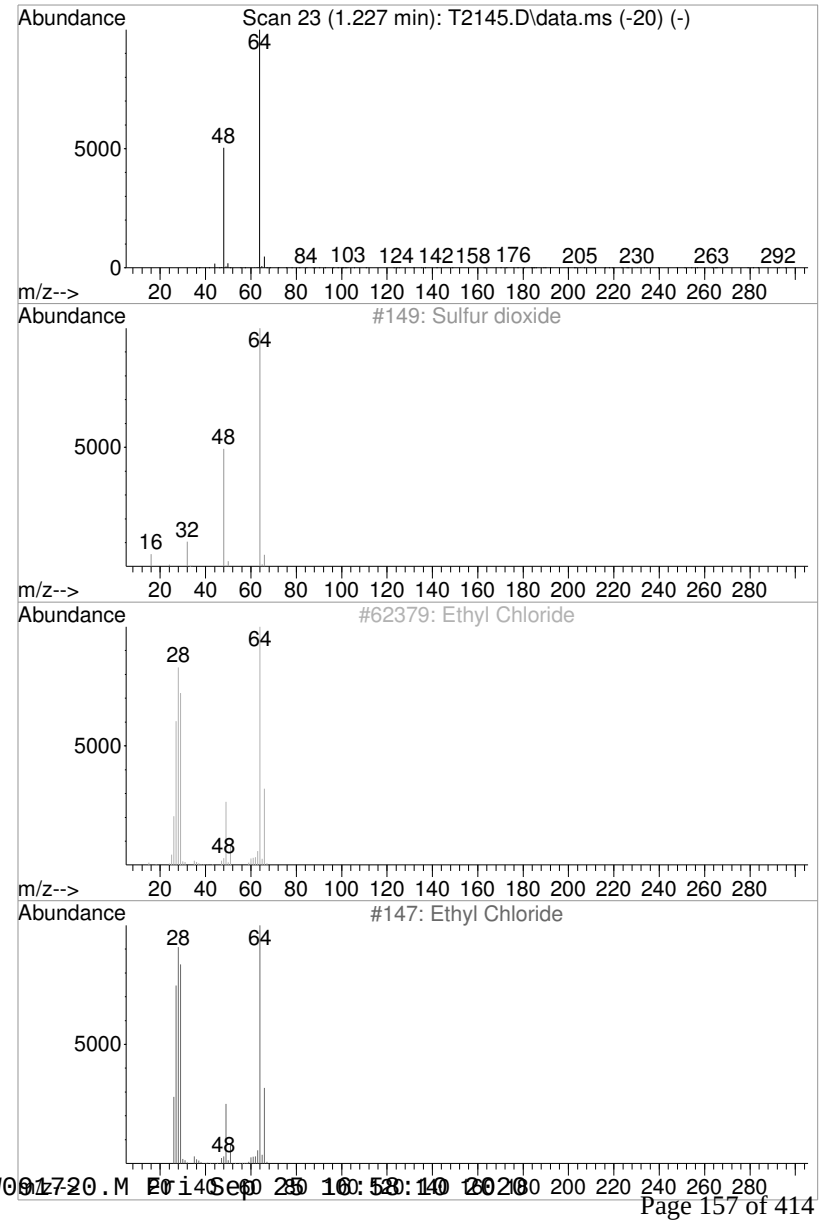
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

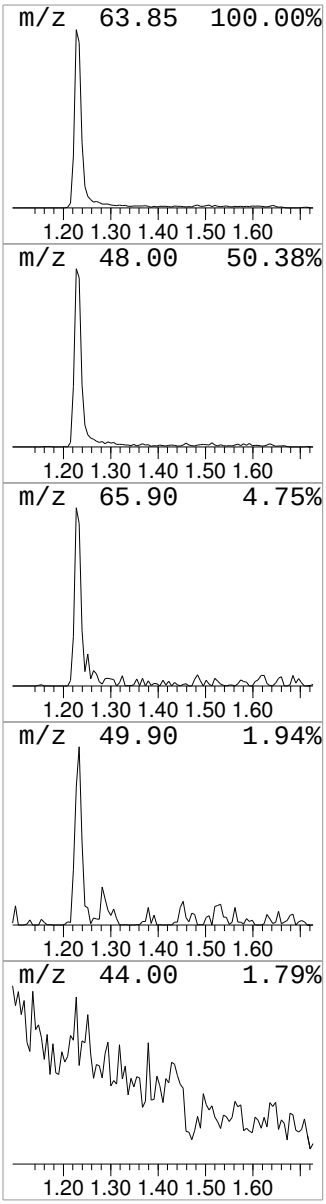
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.227	25.13 ug/L	524361	Pentafluorobenzene	5.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	3
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	3
4	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	3
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	3





1st FN 09/25/20
2nd 09/26/20

Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.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
Sulfur dioxide	1.227	25.1	ug/L	524361	1	5.397	1043220	50.0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2142.D
Acq On : 24 Sep 2020 10:55 am
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 11:11:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	390229	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	589787	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	538554	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	284912	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.239	113	187047	52.21	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 104.42%				
46) surr1,1,2-dichloroetha...	5.787	65	238915	56.15	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 112.30%				
64) SURR3,Toluene-d8	8.311	98	706731	51.33	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.66%				
69) SURR2,BFB	10.878	95	270037	49.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.52%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	83884	20.81	ug/L		99
3) Chloromethane	1.282	50	120031	21.44	ug/L		92
4) Vinyl Chloride	1.361	62	105018	22.24	ug/L		99
5) Bromomethane	1.587	94	76484	20.29	ug/L		96
6) Chloroethane	1.666	64	54200	18.60	ug/L		90
7) Freon 21	1.818	67	141998	19.04	ug/L		99
8) Trichlorofluoromethane	1.867	101	96441	16.84	ug/L		91
9) Diethyl Ether	2.099	59	70664	18.40	ug/L		89
10) Freon 123a	2.099	67	78774	18.61	ug/L		98
11) Freon 123	2.154	83	93631	17.96	ug/L		99
12) Acrolein	2.203	56	33871	28.59	ug/L		88
13) 1,1-Diclethene	2.294	96	57796	19.95	ug/L		88
14) Freon 113	2.294	101	59982	16.98	ug/L		88
15) Acetone	2.337	43	39871	20.80	ug/L		95
16) 2-Propanol	2.465	45	164478	357.50	ug/L		98
17) Iodomethane	2.422	142	91222	18.77	ug/L		84
18) Carbon Disulfide	2.483	76	200930	18.63	ug/L		99
19) Acetonitrile	2.587	41	89089	104.40	ug/L		90
20) Allyl Chloride	2.623	76	38572	17.86	ug/L	#	88
21) Methyl Acetate	2.648	43	87547	18.06	ug/L		90
22) Methylene Chloride	2.739	84	75453	18.04	ug/L		90
23) TBA	2.867	59	226807	335.41	ug/L		94
24) Acrylonitrile	2.995	53	205720	99.93	ug/L		88
25) Methyl-t-Butyl Ether	3.038	73	250318	20.89	ug/L		95
26) trans-1,2-Dichloroethene	3.032	96	65577	20.08	ug/L	#	84
27) 1,1-Diclethane	3.532	63	131654	19.44	ug/L		98
28) Vinyl Acetate	3.629	86	14906	19.98	ug/L	#	63
29) DIPE	3.666	45	306137	22.60	ug/L		89
30) 2-Chloro-1,3-Butadiene	3.660	53	110256	17.23	ug/L		86
31) ETBE	4.190	59	246202	21.45	ug/L		92
32) 2,2-Dichloropropane	4.373	77	95012	17.35	ug/L		95
33) cis-1,2-Dichloroethene	4.379	96	72845	18.54	ug/L		96
34) 2-Butanone	4.428	43	53196	18.77	ug/L		93
35) Propionitrile	4.501	54	77321	89.18	ug/L		99
36) Bromochloromethane	4.775	130	50047	19.38	ug/L	#	80
37) Methacrylonitrile	4.769	67	36052	16.85	ug/L	#	85
38) Tetrahydrofuran	4.867	42	33705	15.79	ug/L		92
39) Chloroform	4.958	83	123595	18.83	ug/L		91
40) 1,1,1-Trichloroethane	5.263	97	92948	16.80	ug/L		80

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2142.D
Acq On : 24 Sep 2020 10:55 am
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 11:11:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Cyclohexane	5.348	41	88471	23.21 ug/L	86
44) Carbontetrachloride	5.531	117	70841	16.47 ug/L	92
45) 1,1-Dichloropropene	5.549	75	84983	18.02 ug/L	95
47) Benzene	5.866	78	274642	19.15 ug/L	96
48) 1,2-Dichloroethane	5.909	62	103373	19.99 ug/L	91
49) Iso-Butyl Alcohol	5.879	43	98197	318.78 ug/L #	77
50) TAME	6.104	73	220658	20.31 ug/L	94
51) n-Heptane	6.360	43	89766	17.71 ug/L	93
52) 1-Butanol	6.854	56	151487	874.64 ug/L	98
53) Trichloroethene	6.817	130	58299	16.52 ug/L	88
54) Methylcyclohexane	7.061	55	107711	21.47 ug/L #	81
55) 1,2-Diclpropane	7.104	63	82822	19.94 ug/L	91
56) Dibromomethane	7.244	93	49231	18.09 ug/L #	67
57) 1,4-Dioxane	7.311	88	24404	327.87 ug/L	97
58) Methyl Methacrylate	7.336	69	57733	17.86 ug/L	87
59) Bromodichloromethane	7.470	83	92650	18.10 ug/L	98
60) 2-Nitropropane	7.756	41	48380	37.36 ug/L	89
62) cis-1,3-Dichloropropene	8.018	75	105697	17.82 ug/L	94
63) 4-Methyl-2-pentanone	8.226	43	101015	18.44 ug/L	88
65) Toluene	8.390	91	280224	18.17 ug/L	94
66) trans-1,3-Dichloropropene	8.659	75	100387	17.78 ug/L	92
67) Ethyl Methacrylate	8.799	69	107199	17.48 ug/L	100
68) 1,1,2-Trichloroethane	8.841	97	67627	18.47 ug/L	95
71) Tetrachloroethene	8.982	164	44277	15.66 ug/L	88
72) 2-Hexanone	9.134	43	75668	19.55 ug/L	93
73) 1,3-Dichloropropane	9.012	76	114478	19.14 ug/L	93
74) Dibromochloromethane	9.238	129	71636	18.40 ug/L	84
75) N-Butyl Acetate	9.293	43	160910	18.86 ug/L	93
76) 1,2-Dibromoethane	9.341	107	64385	16.39 ug/L	85
77) 3-Chlorobenzotrifluoride	9.847	180	98989	19.41 ug/L	97
78) Chlorobenzene	9.835	112	174800	17.91 ug/L	89
79) 4-Chlorobenzotrifluoride	9.902	180	88982	20.47 ug/L	85
80) 1,1,1,2-Tetrachloroethane	9.921	131	61887	17.66 ug/L #	81
81) Ethylbenzene	9.951	106	86494	17.21 ug/L #	84
82) (m+p)Xylene	10.067	106	211415	34.78 ug/L	88
83) o-Xylene	10.420	106	112102	17.82 ug/L	99
84) Styrene	10.439	104	184176	17.69 ug/L	95
85) Bromoform	10.585	173	50593	16.63 ug/L	86
86) 2-Chlorobenzotrifluoride	10.664	180	94254	19.21 ug/L	94
87) Isopropylbenzene	10.756	105	255843	16.88 ug/L	99
88) Cyclohexanone	10.817	55	71951	80.70 ug/L	99
89) trans-1,4-Dichloro-2-B...	11.061	53	22005	15.92 ug/L #	66
91) 1,1,2,2-Tetrachloroethane	11.018	83	109560	21.09 ug/L	99
92) Bromobenzene	11.000	156	75828	17.29 ug/L	89
93) 1,2,3-Trichloropropane	11.048	110	25469	17.75 ug/L #	79
94) n-Propylbenzene	11.115	91	347077	19.54 ug/L	100
95) 2-Chlorotoluene	11.176	91	197939	17.25 ug/L	93
96) 3-Chlorotoluene	11.225	91	221761	18.77 ug/L	98
97) 4-Chlorotoluene	11.268	91	233214	18.20 ug/L	90
98) 1,3,5-Trimethylbenzene	11.262	105	220819	17.70 ug/L	93
99) tert-Butylbenzene	11.536	119	182458	16.97 ug/L	96
100) 1,2,4-Trimethylbenzene	11.579	105	231180	18.55 ug/L	96
101) 3,4-Dichlorobenzotrifl...	11.634	214	79534	18.82 ug/L	92
102) sec-Butylbenzene	11.719	105	278556	17.83 ug/L	97
103) p-Isopropyltoluene	11.841	119	218944	16.90 ug/L	97
104) 1,3-Dclbenz	11.804	146	145573	18.34 ug/L	93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2142.D
Acq On : 24 Sep 2020 10:55 am
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 11:11:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

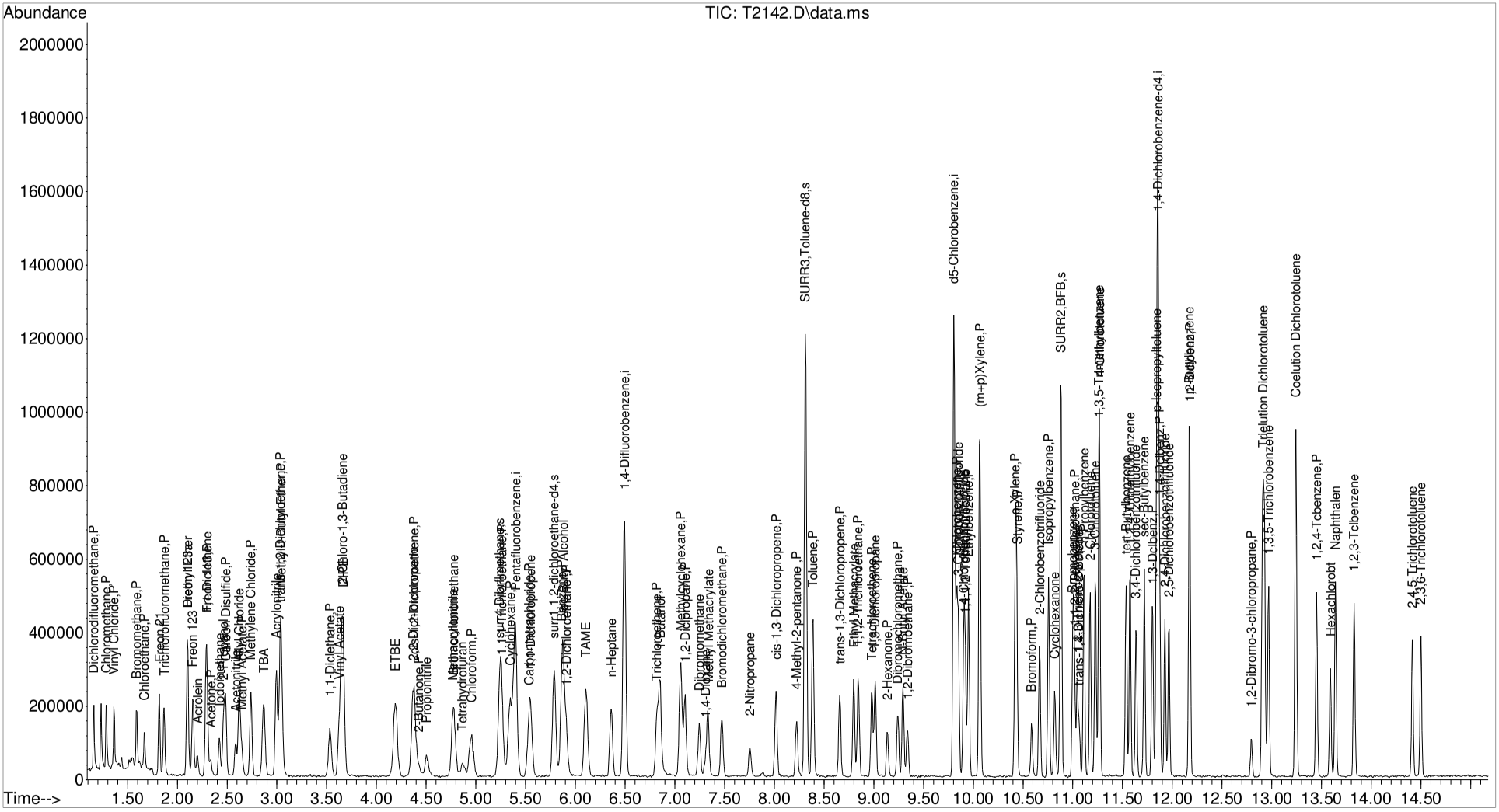
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.871	146	146649	17.45	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	76421	20.93	ug/L	95
107) 2,5-Dichlorobenzotrifl...	11.969	214	77189	18.32	ug/L	99
108) n-Butylbenzene	12.170	91	220407	18.08	ug/L	90
109) 1,2-Dclbenz	12.176	146	149048	18.99	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.792	157	21070	15.86	ug/L	88
111) Trielution Dichlorotol...	12.914	125	386502	60.30	ug/L	94
112) 1,3,5-Trichlorobenzene	12.969	180	116969	20.61	ug/L	90
113) Coelution Dichlorotoluene	13.243	125	279486	39.21	ug/L	93
114) 1,2,4-Tcbenzene	13.450	180	111830	20.04	ug/L	96
115) Hexachlorobt	13.591	225	45642	18.87	ug/L	93
116) Naphthalen	13.639	128	301961	21.77	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	102642	19.50	ug/L	93
118) 2,4,5-Trichlorotoluene	14.414	159	70718	21.43	ug/L	96
119) 2,3,6-Trichlorotoluene	14.499	159	71490	24.56	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2142.D
Acq On : 24 Sep 2020 10:55 am
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 11:11:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

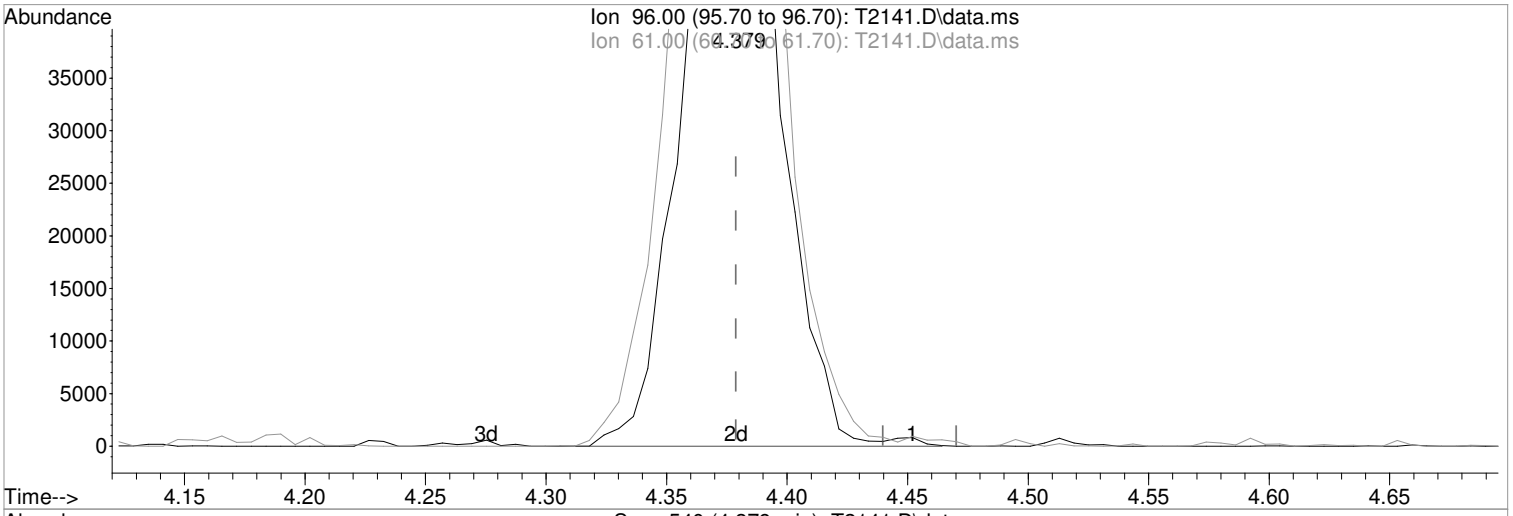


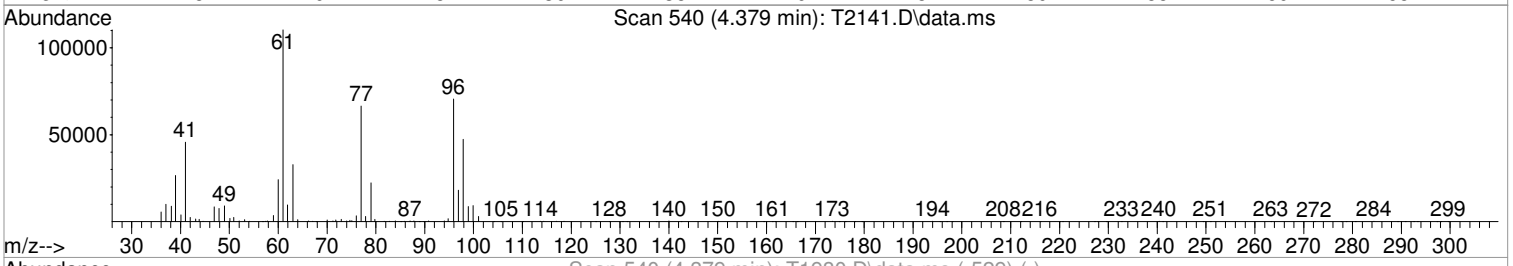
1st FN 09/25/20
2nd 09/26/20

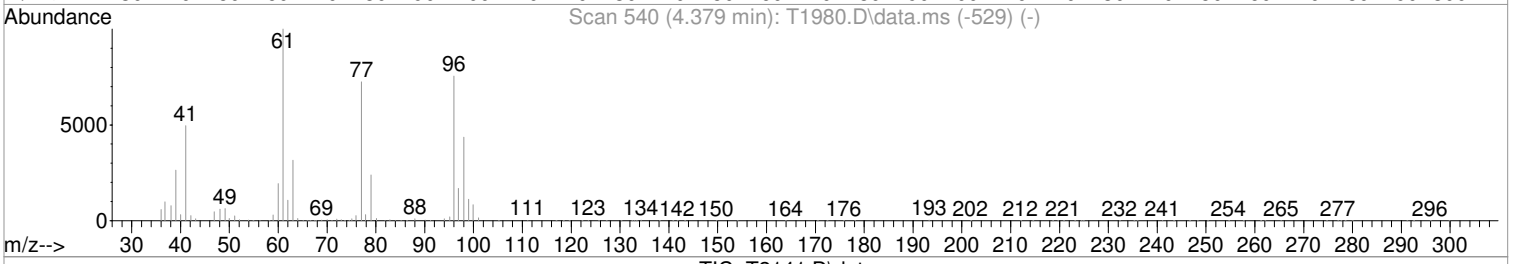
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:31:52 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2141.D\data.ms

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

4.379min (-0.000) 48.11 ug/L m

response 182565

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	156.50#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

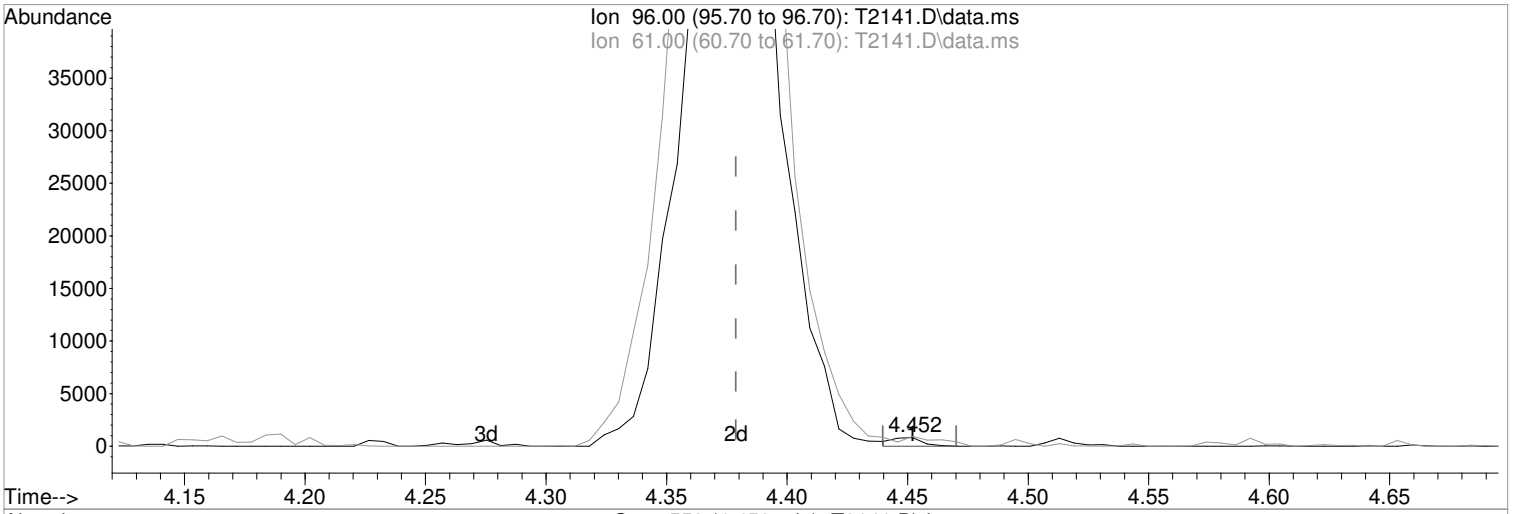
Peak not found.

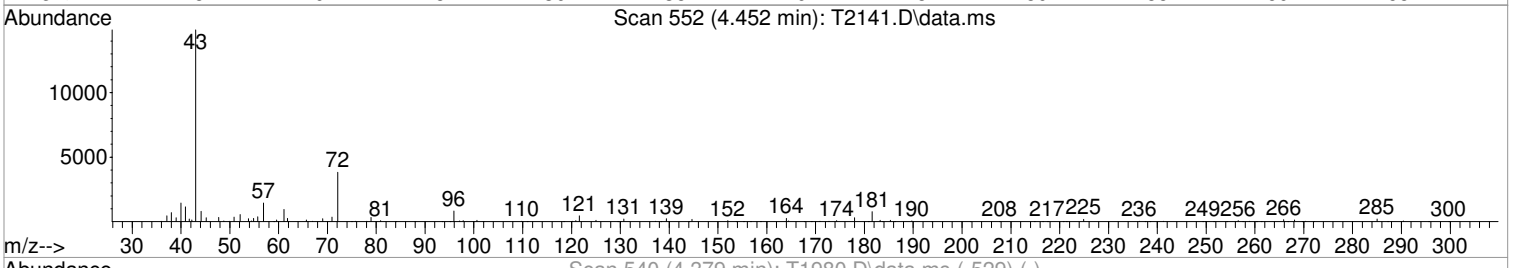
09/24/20

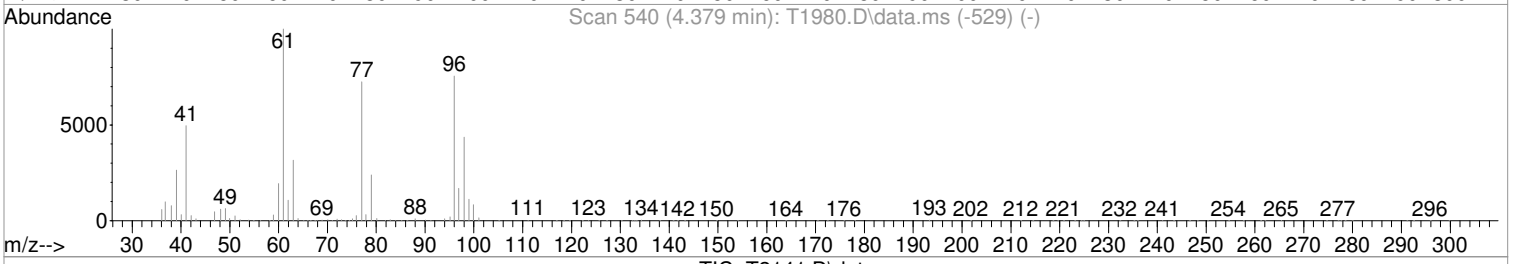
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:31:52 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2141.D\data.ms

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

4.452min (+0.073) 0.18 ug/L

response 681

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	114.20
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/24/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	132	0.00
2	P	Dichlorodifluoromethane	50.000	51.382	-2.8	120	0.00
3	P	Chloromethane	50.000	52.215	-4.4	135	0.00
4	P	Vinyl Chloride	50.000	59.129	-18.3	145	0.00
5	P	Bromomethane	50.000	51.455	-2.9	164	0.00
6	P	Chloroethane	50.000	47.742	4.5	152	0.00
7		Freon 21	50.000	55.143	-10.3	164	0.00
8	P	Trichlorofluoromethane	50.000	38.661	22.7#	104	0.00
9		Diethyl Ether	50.000	49.430	1.1	144	0.00
10		Freon 123a	50.000	63.364	-26.7#	175	0.00
11		Freon 123	50.000	55.466	-10.9	167	0.00
12		Acrolein	250.000	237.122	5.2	135	0.00
13		1,1-Diclethene	50.000	41.363	17.3	117	0.00
14	P	Freon 113	50.000	40.528	18.9	113	0.00
15	P	Acetone	50.000	54.375	-8.8	151	0.00
16		2-Propanol	1000.000	1001.511	-0.2	140	0.00
17		Iodomethane	50.000	55.383	-10.8	141	0.00
18	P	Carbon Disulfide	50.000	53.519	-7.0	135	0.00
19		Acetonitrile	250.000	267.155	-6.9	158	0.00
20		Allyl Chloride	50.000	42.946	14.1	119	0.00
21	P	Methyl Acetate	50.000	53.436	-6.9	146	0.00
22	P	Methylene Chloride	50.000	46.357	7.3	131	0.00
23		TBA	1000.000	975.083	2.5	137	0.00
24		Acrylonitrile	250.000	276.329	-10.5	147	0.00
25	P	Methyl-t-Butyl Ether	50.000	52.200	-4.4	138	0.00
26	P	trans-1,2-Dichloroethene	50.000	45.951	8.1	123	0.00
27	P	1,1-Diclethane	50.000	47.632	4.7	123	0.00
28		Vinyl Acetate	50.000	56.479	-13.0	166	0.00
29		DIPE	50.000	54.131	-8.3	154	0.00
30		2-Chloro-1,3-Butadiene	50.000	50.563	-1.1	138	0.00
31		ETBE	50.000	53.765	-7.5	139	0.00
32		2,2-Dichloropropane	50.000	44.412	11.2	120	0.00
33	P	cis-1,2-Dichloroethene	50.000	48.113	3.8	125	0.00
34	P	2-Butanone	50.000	51.144	-2.3	143	0.00
35		Propionitrile	250.000	248.120	0.8	136	0.00
36		Bromochloromethane	50.000	47.614	4.8	129	0.00
37		Methacrylonitrile	50.000	54.287	-8.6	147	0.00
38		Tetrahydrofuran	50.000	47.401	5.2	130	0.00
39	P	Chloroform	50.000	48.412	3.2	131	0.00
40	P	1,1,1-Trichloroethane	50.000	42.132	15.7	111	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	131	0.00
42	P	Cyclohexane	50.000	58.376	-16.8	165	0.00
43	s	surr4,Dibrflmethane	50.000	55.422	-10.8	148	0.00
44	P	Carbontetrachloride	50.000	43.455	13.1	106	0.00
45		1,1-Dichloropropene	50.000	44.450	11.1	116	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	53.961	-7.9	143	0.00
47	P	Benzene	50.000	47.268	5.5	121	0.00
48	P	1,2-Dichloroethane	50.000	53.584	-7.2	145	0.00
49		Iso-Butyl Alcohol	1000.000	1032.474	-3.2	145	0.00
50		TAME	50.000	50.674	-1.3	137	0.00
51		n-Heptane	50.000	43.552	12.9	111	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	2627.036	-5.1	138	0.00
53	P	Trichloroethene	50.000	43.980	12.0	111	0.00
54	P	Methylcyclohexane	50.000	56.950	-13.9	178	0.00
55	P	1,2-Diclpropane	50.000	46.973	6.1	128	0.00
56		Dibromomethane	50.000	49.485	1.0	137	0.00
57		1,4-Dioxane	1000.000	958.185	4.2	136	0.00
58		Methyl Methacrylate	50.000	52.941	-5.9	138	0.00
59	P	Bromodichloromethane	50.000	49.184	1.6	134	0.00
60		2-Nitropropane	100.000	107.603	-7.6	138	0.00
61		2-Chloroethylvinyl Ether	50.000	34.464	31.1#	99	0.00
62	P	cis-1,3-Dichloropropene	50.000	51.695	-3.4	133	0.00
63	P	4-Methyl-2-pentanone	50.000	49.566	0.9	142	0.00
64	s	SURR3,Toluene-d8	50.000	53.311	-6.6	138	0.00
65	P	Toluene	50.000	45.213	9.6	117	0.00
66	P	trans-1,3-Dichloropropene	50.000	50.791	-1.6	137	0.00
67		Ethyl Methacrylate	50.000	48.616	2.8	133	0.00
68	P	1,1,2-Trichloroethane	50.000	48.507	3.0	131	0.00
69	s	SURR2,BFB	50.000	58.205	-16.4	147	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	135	0.00
71	P	Tetrachloroethene	50.000	43.203	13.6	119	0.00
72	P	2-Hexanone	50.000	50.718	-1.4	143	0.00
73		1,3-Dichloropropane	50.000	48.759	2.5	136	0.00
74	P	Dibromochloromethane	50.000	46.919	6.2	121	0.00
75		N-Butyl Acetate	50.000	51.013	-2.0	142	0.00
76	P	1,2-Dibromoethane	50.000	47.859	4.3	132	0.00
77		3-Chlorobenzotrifluoride	50.000	48.788	2.4	139	0.00
78	P	Chlorobenzene	50.000	45.116	9.8	122	0.00
79		4-Chlorobenzotrifluoride	50.000	51.841	-3.7	142	0.00
80		1,1,1,2-Tetrachloroethane	50.000	43.857	12.3	114	0.00
81	P	Ethylbenzene	50.000	45.163	9.7	115	0.00
82	P	(m+p)Xylene	100.000	90.458	9.5	112	0.00
83	P	o-Xylene	50.000	44.360	11.3	115	0.00
84	P	Styrene	50.000	49.420	1.2	124	0.00
85	P	Bromoform	50.000	45.063	9.9	131	0.00
86		2-Chlorobenzotrifluoride	50.000	51.754	-3.5	137	0.00
87	P	Isopropylbenzene	50.000	44.081	11.8	107	0.00
88		Cyclohexanone	1000.000	934.703	6.5	131	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	48.664	2.7	159	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	139	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	49.960	0.1	148	0.00
92		Bromobenzene	50.000	42.714	14.6	122	0.00
93		1,2,3-Trichloropropane	50.000	45.946	8.1	129	0.00
94		n-Propylbenzene	50.000	43.098	13.8	117	0.00
95		2-Chlorotoluene	50.000	43.243	13.5	123	0.00
96		3-Chlorotoluene	50.000	47.791	4.4	143	0.00
97		4-Chlorotoluene	50.000	45.547	8.9	130	0.00
98		1,3,5-Trimethylbenzene	50.000	43.850	12.3	116	0.00
99		tert-Butylbenzene	50.000	39.439	21.1#	105	0.00
100		1,2,4-Trimethylbenzene	50.000	45.095	9.8	116	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	50.392	-0.8	153	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	41.928	16.1	108	0.00
103		p-Isopropyltoluene	50.000	42.120	15.8	108	0.00
104	P	1,3-Dclbenz	50.000	45.056	9.9	122	0.00
105	P	1,4-Dclbenz	50.000	44.622	10.8	124	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	54.749	-9.5	157	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	51.588	-3.2	156	0.00
108		n-Butylbenzene	50.000	44.672	10.7	121	0.00
109	P	1,2-Dclbenz	50.000	46.655	6.7	124	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	41.071	17.9	118	0.00
111		Trielution Dichlorotoluene	150.000	150.594	-0.4	137	0.00
112		1,3,5-Trichlorobenzene	50.000	52.109	-4.2	148	0.00
113		Coelution Dichlorotoluene	100.000	100.422	-0.4	139	0.00
114	P	1,2,4-Tcbenzene	50.000	48.037	3.9	128	0.00
115		Hexachlorobt	50.000	39.493	21.0#	111	0.00
116		Naphthalen	50.000	51.832	-3.7	132	0.00
117		1,2,3-Tclbenzene	50.000	52.069	-4.1	135	0.00
118		2,4,5-Trichlorotoluene	50.000	51.696	-3.4	140	0.00
119		2,3,6-Trichlorotoluene	50.000	56.135	-12.3	137	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	376811	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	581339	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	552445	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	331849	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	195699	55.42	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 110.84%				
46) surr1,1,2-dichloroetha...	5.787	65	226308	53.96	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.92%				
64) SURR3,Toluene-d8	8.317	98	723534	53.31	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 106.62%				
69) SURR2,BFB	10.878	95	311363	58.20	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 116.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	199995	51.38	ug/L		95
3) Chloromethane	1.282	50	282251	52.22	ug/L		94
4) Vinyl Chloride	1.361	62	269555	59.13	ug/L		97
5) Bromomethane	1.587	94	187276	51.46	ug/L		98
6) Chloroethane	1.666	64	134306	47.74	ug/L		99
7) Freon 21	1.818	67	397012	55.14	ug/L		98
8) Trichlorofluoromethane	1.867	101	213736	38.66	ug/L		83
9) Diethyl Ether	2.099	59	183322	49.43	ug/L		93
10) Freon 123a	2.099	67	258709	63.36	ug/L		93
11) Freon 123	2.154	83	279147	55.47	ug/L		92
12) Acrolein	2.196	56	271277	237.12	ug/L		97
13) 1,1-Diclethene	2.288	96	115693	41.36	ug/L		93
14) Freon 113	2.294	101	138252	40.53	ug/L		88
15) Acetone	2.330	43	100639	54.38	ug/L		96
16) 2-Propanol	2.465	45	444924	1001.51	ug/L		99
17) Iodomethane	2.422	142	281989	55.38	ug/L		90
18) Carbon Disulfide	2.483	76	557285	53.52	ug/L		98
19) Acetonitrile	2.580	41	220146	267.16	ug/L		92
20) Allyl Chloride	2.623	76	89549	42.95	ug/L	#	87
21) Methyl Acetate	2.641	43	235662	53.44	ug/L		98
22) Methylene Chloride	2.739	84	187271	46.36	ug/L		94
23) TBA	2.867	59	636679	975.08	ug/L		94
24) Acrylonitrile	2.989	53	549280	276.33	ug/L		98
25) Methyl-t-Butyl Ether	3.044	73	603873	52.20	ug/L		98
26) trans-1,2-Dichloroethene	3.038	96	144918	45.95	ug/L		99
27) 1,1-Diclethane	3.531	63	311456	47.63	ug/L		95
28) Vinyl Acetate	3.629	86	40686	56.48	ug/L	#	74
29) DIPE	3.659	45	708006	54.13	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.653	53	312508	50.56	ug/L		89
31) ETBE	4.196	59	595788	53.77	ug/L		95
32) 2,2-Dichloropropane	4.367	77	234867	44.41	ug/L		91
33) cis-1,2-Dichloroethene	4.379	96	182565m	48.11	ug/L		
34) 2-Butanone	4.415	43	139935	51.14	ug/L		86
35) Propionitrile	4.507	54	207732	248.12	ug/L		99
36) Bromochloromethane	4.775	130	118715	47.61	ug/L	#	79
37) Methacrylonitrile	4.775	67	107560	54.29	ug/L	#	83
38) Tetrahydrofuran	4.860	42	90919	47.40	ug/L		94
39) Chloroform	4.952	83	306799	48.41	ug/L		96
40) 1,1,1-Trichloroethane	5.257	97	225078	42.13	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	214249	58.38	ug/L		91
44) Carbontetrachloride	5.543	117	184245	43.46	ug/L		91
45) 1,1-Dichloropropene	5.543	75	206630	44.45	ug/L		87
47) Benzene	5.866	78	668297	47.27	ug/L		97
48) 1,2-Dichloroethane	5.903	62	273130	53.58	ug/L		94
49) Iso-Butyl Alcohol	5.885	43	313489	1032.47	ug/L		81
50) TAME	6.104	73	542782	50.67	ug/L		99
51) n-Heptane	6.354	43	217591	43.55	ug/L		90
52) 1-Butanol	6.848	56	448481	2627.04	ug/L		95
53) Trichloroethene	6.817	130	152974	43.98	ug/L		90
54) Methylcyclohexane	7.055	55	281566	56.95	ug/L		95
55) 1,2-Diclpropane	7.098	63	192317	46.97	ug/L		98
56) Dibromomethane	7.244	93	132739	49.49	ug/L		88
57) 1,4-Dioxane	7.305	88	70297	958.18	ug/L		90
58) Methyl Methacrylate	7.330	69	166292	52.94	ug/L		87
59) Bromodichloromethane	7.470	83	248119	49.18	ug/L		98
60) 2-Nitropropane	7.750	41	135319	107.60	ug/L		94
61) 2-Chloroethylvinyl Ether	7.884	63	63795	34.46	ug/L		87
62) cis-1,3-Dichloropropene	8.018	75	302294	51.69	ug/L		94
63) 4-Methyl-2-pentanone	8.220	43	267679	49.57	ug/L		91
65) Toluene	8.390	91	687251	45.21	ug/L		99
66) trans-1,3-Dichloropropene	8.659	75	282675	50.79	ug/L		96
67) Ethyl Methacrylate	8.799	69	293834	48.62	ug/L		100
68) 1,1,2-Trichloroethane	8.847	97	175108	48.51	ug/L		93
71) Tetrachloroethene	8.982	164	125279	43.20	ug/L		89
72) 2-Hexanone	9.134	43	201373	50.72	ug/L		91
73) 1,3-Dichloropropane	9.012	76	299114	48.76	ug/L		94
74) Dibromochloromethane	9.238	129	187358	46.92	ug/L		95
75) N-Butyl Acetate	9.293	43	446431	51.01	ug/L		99
76) 1,2-Dibromoethane	9.335	107	192895	47.86	ug/L		100
77) 3-Chlorobenzotrifluoride	9.853	180	255232	48.79	ug/L		97
78) Chlorobenzene	9.835	112	451800	45.12	ug/L		95
79) 4-Chlorobenzotrifluoride	9.908	180	231190	51.84	ug/L		94
80) 1,1,1,2-Tetrachloroethane	9.920	131	157640	43.86	ug/L		93
81) Ethylbenzene	9.951	106	232892	45.16	ug/L		99
82) (m+p)Xylene	10.067	106	564117	90.46	ug/L		91
83) o-Xylene	10.420	106	286312	44.36	ug/L		98
84) Styrene	10.439	104	527866	49.42	ug/L		96
85) Bromoform	10.585	173	140602	45.06	ug/L		86
86) 2-Chlorobenzotrifluoride	10.664	180	260494	51.75	ug/L		97
87) Isopropylbenzene	10.756	105	685248	44.08	ug/L		98
88) Cyclohexanone	10.817	55	854893	934.70	ug/L		94
89) trans-1,4-Dichloro-2-B...	11.067	53	69016	48.66	ug/L	#	72
91) 1,1,2,2-Tetrachloroethane	11.018	83	302254	49.96	ug/L		92
92) Bromobenzene	11.006	156	218171	42.71	ug/L	#	88
93) 1,2,3-Trichloropropane	11.042	110	76803	45.95	ug/L	#	64
94) n-Propylbenzene	11.115	91	891645	43.10	ug/L		95
95) 2-Chlorotoluene	11.176	91	578035	43.24	ug/L		98
96) 3-Chlorotoluene	11.225	91	657665	47.79	ug/L		94
97) 4-Chlorotoluene	11.268	91	679730	45.55	ug/L		99
98) 1,3,5-Trimethylbenzene	11.268	105	637353	43.85	ug/L		98
99) tert-Butylbenzene	11.536	119	493884	39.44	ug/L		95
100) 1,2,4-Trimethylbenzene	11.579	105	654719	45.10	ug/L		96
101) 3,4-Dichlorobenzotrifl...	11.640	214	248087	50.39	ug/L		97
102) sec-Butylbenzene	11.719	105	762969	41.93	ug/L		95
103) p-Isopropyltoluene	11.841	119	635560	42.12	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

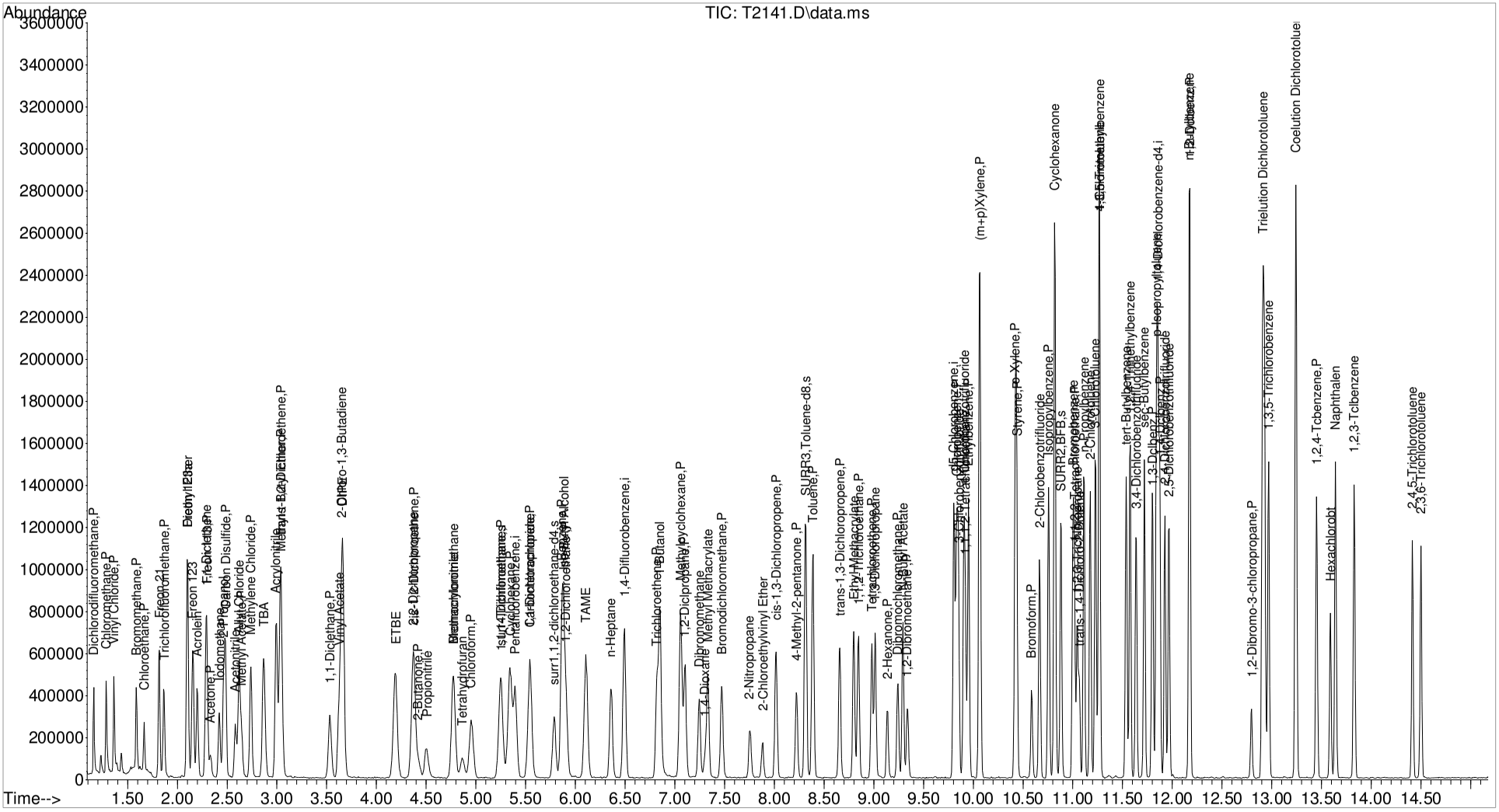
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	416663	45.06	ug/L	99
105) 1,4-Dclbenz	11.877	146	436831	44.62	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.926	214	232802	54.75	ug/L	94
107) 2,5-Dichlorobenzotrifl...	11.969	214	253163	51.59	ug/L	100
108) n-Butylbenzene	12.170	91	634315	44.67	ug/L	96
109) 1,2-Dclbenz	12.176	146	426492	46.66	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.798	157	63563	41.07	ug/L	94
111) Trielution Dichlorotol...	12.914	125	1124272	150.59	ug/L	93
112) 1,3,5-Trichlorobenzene	12.969	180	344383	52.11	ug/L	95
113) Coelution Dichlorotoluene	13.243	125	833755	100.42	ug/L	94
114) 1,2,4-Tcbenzene	13.450	180	312157	48.04	ug/L	98
115) Hexachlorobt	13.590	225	111290	39.49	ug/L	99
116) Naphthalen	13.639	128	837250	51.83	ug/L	95
117) 1,2,3-Tclbenzene	13.828	180	319289	52.07	ug/L	94
118) 2,4,5-Trichlorotoluene	14.413	159	207368	51.70	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	190354	56.14	ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



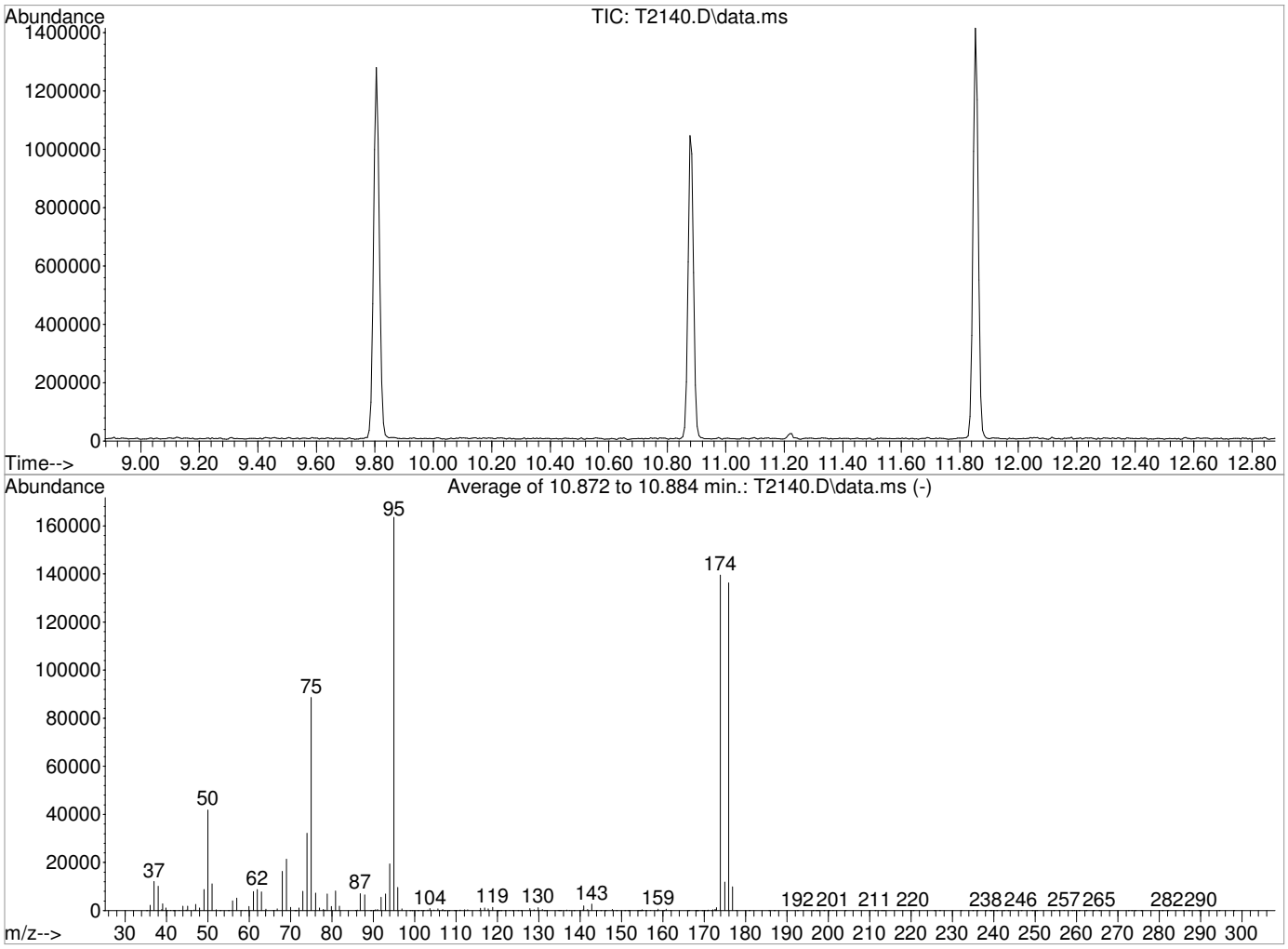
1st FJ 09/24/20
2nd 09/26/20

1st FJ 09/24/20
2nd 09/26/20

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2140.D
Acq On : 24 Sep 2020 9:42 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 17 16:48:28 2020



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1598

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	41898	PASS
75	95	30	60	54.2	88597	PASS
95	95	100	100	100.0	163533	PASS
96	95	5	9	5.9	9648	PASS
173	174	0.00	2	0.9	1221	PASS
174	95	50	120	85.3	139556	PASS
175	174	5	9	8.5	11836	PASS
176	174	95	101	97.6	136264	PASS
177	176	5	9	7.2	9850	PASS

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 9/17/20 11:24

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\091720\T1973.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	20.7	23707	PASS
75	95	30	60	47.5	54444	PASS
95	95	100	100	100.0	114586	PASS
96	95	5	9	6.9	7858	PASS
173	174	0	2	1.5	1286	PASS
174	95	50	120	73.1	83755	PASS
175	174	5	9	7.1	5943	PASS
176	174	95	101	97.4	81579	PASS
177	176	5	9	6.3	5113	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICALBLK	ICALBLK	I:\ACQUDATA\msvoa10\data\091720\T1974.D	9/17/20 11:52	
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1975.D	9/17/20 12:47	
1 PPB STD	1 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1976.D	9/17/20 13:09	
2 PPB STD	2 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1977.D	9/17/20 13:31	
5 PPB STD	5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1978.D	9/17/20 13:53	
20 PPB STD	20 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1979.D	9/17/20 14:14	
50 PPB STD	50 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1980.D	9/17/20 14:36	
100 PPB STD	100 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1981.D	9/17/20 14:58	
200 PPB STD	200 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1983.D	9/17/20 15:42	
150 PPB STD	150 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1985.D	9/17/20 16:26	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091720\T1988.D	9/17/20 17:31	

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 9/18/20 11:48

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA10\DATA\091820\T1993.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	18.8	28311	PASS
75	95	30	60	48.4	72757	PASS
95	95	100	100	100.0	150464	PASS
96	95	5	9	6.1	9247	PASS
173	174	0	2	1.8	2228	PASS
174	95	50	120	84.0	126456	PASS
175	174	5	9	8.4	10683	PASS
176	174	95	101	96.3	121784	PASS
177	176	5	9	5.8	7069	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091820\T1995.D	9/18/20 12:54	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091820\
Data File : T1995.D
Acq On : 18 Sep 2020 12:54 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 14:23:57 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

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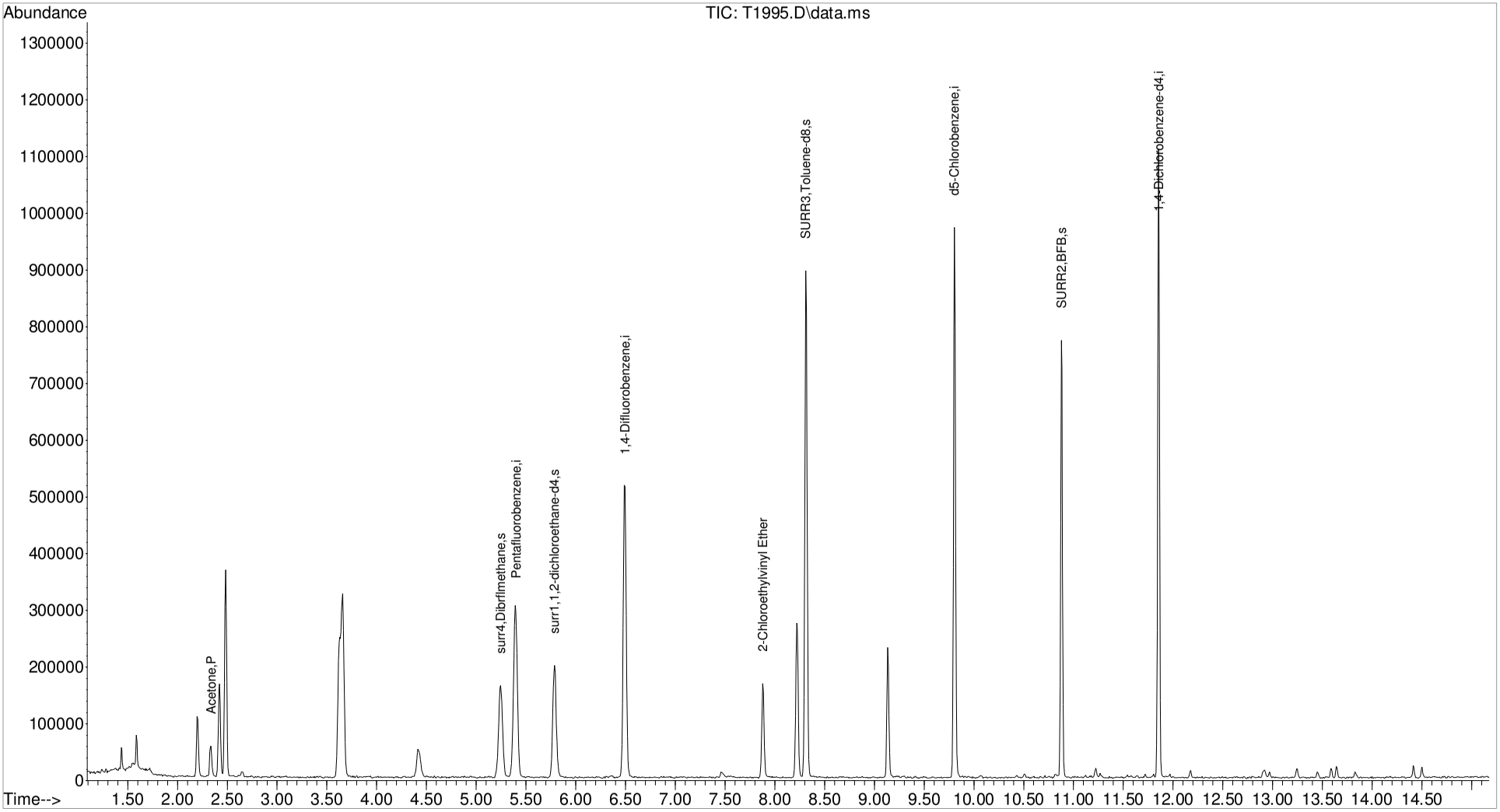
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	280929	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	443360	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	416648	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	210035	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	134548	49.96	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.92%				
46) surr1,1,2-dichloroetha...	5.787	65	165103	51.62	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.24%				
64) SURR3,Toluene-d8	8.311	98	523435	50.57	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.14%				
69) SURR2,BFB	10.878	95	199985	49.02	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.04%				
Target Compounds							Qvalue
10) Freon 123a	2.117	67	306	Below Cal		#	20
15) Acetone	2.337	43	55385	40.14	ug/L		92
37) Methacrylonitrile	4.684	67	290	Below Cal		#	1
38) Tetrahydrofuran	4.867	42	770	Below Cal			70
42) Cyclohexane	5.348	41	370	Below Cal		#	52
58) Methyl Methacrylate	7.421	69	290	Below Cal		#	40
60) 2-Nitropropane	7.750	41	1516	Below Cal		#	15
61) 2-Chloroethylvinyl Ether	7.878	63	63472	44.96	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091820\
Data File : T1995.D
Acq On : 18 Sep 2020 12:54 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 14:23:57 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



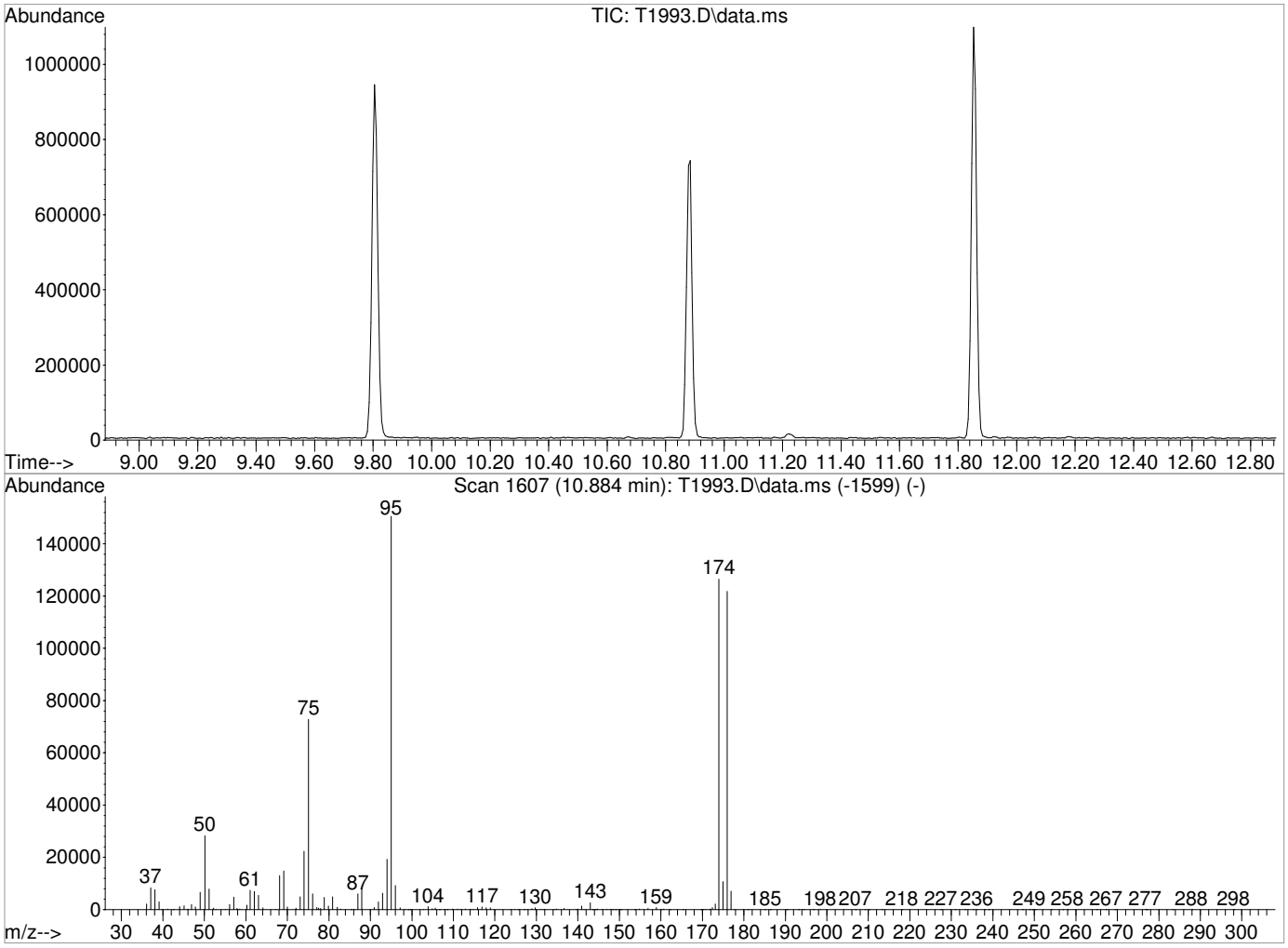
1st 09/18/20
2nd 09/19/20

1st FJ 09/18/20
2nd 09/19/20

Data Path : I:\ACQUDATA\msvoa10\data\091820\
Data File : T1993.D
Acq On : 18 Sep 2020 11:48 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 17 16:48:28 2020



Spectrum Information: Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	28311	PASS
75	95	30	60	48.4	72757	PASS
95	95	100	100	100.0	150464	PASS
96	95	5	9	6.1	9247	PASS
173	174	0.00	2	1.8	2228	PASS
174	95	50	120	84.0	126456	PASS
175	174	5	9	8.4	10683	PASS
176	174	95	101	96.3	121784	PASS
177	176	5	9	5.8	7069	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	284967	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	437144	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	397544	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	234731	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	136328	51.34	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.68%				
46) surr1,1,2-dichloroetha...	5.787	65	163039	51.70	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.40%				
64) SURR3,Toluene-d8	8.317	98	535167	52.44	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.88%				
69) SURR2,BFB	10.884	95	209002	51.96	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 103.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	136180	46.26	ug/L		95
3) Chloromethane	1.282	50	183939	44.99	ug/L		94
4) Vinyl Chloride	1.361	62	153082	44.40	ug/L		95
5) Bromomethane	1.581	94	149779	54.42	ug/L		97
6) Chloroethane	1.666	64	83364	39.18	ug/L		97
7) Freon 21	1.812	67	252122	46.30	ug/L		98
8) Trichlorofluoromethane	1.861	101	177475	42.45	ug/L		95
9) Diethyl Ether	2.099	59	131050	46.72	ug/L		90
10) Freon 123a	2.099	67	140404	45.59	ug/L		87
11) Freon 123	2.154	83	177286	46.58	ug/L		99
12) Acrolein	2.196	56	76518	88.44	ug/L		99
13) 1,1-Diclethene	2.288	96	108607	51.34	ug/L	#	79
14) Freon 113	2.294	101	100727	39.04	ug/L		97
15) Acetone	2.330	43	94240	67.33	ug/L		94
16) 2-Propanol	2.465	45	360048	1071.67	ug/L		96
17) Iodomethane	2.422	142	146412	39.00	ug/L		98
18) Carbon Disulfide	2.483	76	345207	43.84	ug/L		99
19) Acetonitrile	2.587	41	151222	242.66	ug/L		95
20) Allyl Chloride	2.623	76	66615	42.24	ug/L	#	85
21) Methyl Acetate	2.641	43	171942	51.44	ug/L		96
22) Methylene Chloride	2.739	84	137336	44.95	ug/L		93
23) TBA	2.867	59	504834	1022.35	ug/L		99
24) Acrylonitrile	2.995	53	384293	255.64	ug/L		98
25) Methyl-t-Butyl Ether	3.044	73	453586	51.85	ug/L		99
26) trans-1,2-Dichloroethene	3.038	96	115030	48.23	ug/L		93
27) 1,1-Diclethane	3.531	63	233224	47.16	ug/L		95
28) Vinyl Acetate	3.617	86	31488	57.80	ug/L	#	46
29) DIPE	3.659	45	496916	50.24	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.659	53	186124	39.82	ug/L		97
31) ETBE	4.196	59	427374	51.00	ug/L		97
32) 2,2-Dichloropropane	4.367	77	177395	44.36	ug/L		94
33) cis-1,2-Dichloroethene	4.379	96	133602	46.56	ug/L		95
34) 2-Butanone	4.422	43	112557	54.40	ug/L		85
35) Propionitrile	4.507	54	159257	251.53	ug/L		91
36) Bromochloromethane	4.775	130	88809	47.10	ug/L		87
37) Methacrylonitrile	4.775	67	77718	51.78	ug/L		87
38) Tetrahydrofuran	4.867	42	65160	44.74	ug/L		93
39) Chloroform	4.952	83	214614	44.78	ug/L		97
40) 1,1,1-Trichloroethane	5.257	97	174277	43.14	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	148199	53.57	ug/L		90
44) Carbontetrachloride	5.543	117	143843	45.12	ug/L		96
45) 1,1-Dichloropropene	5.555	75	154551	44.21	ug/L		92
47) Benzene	5.866	78	486808	45.79	ug/L		99
48) 1,2-Dichloroethane	5.909	62	177879	46.41	ug/L		95
49) Iso-Butyl Alcohol	5.879	43	225259	986.61	ug/L		90
50) TAME	6.104	73	431120	53.53	ug/L		99
51) n-Heptane	6.360	43	167415	44.56	ug/L		97
52) 1-Butanol	6.854	56	348592	2715.47	ug/L		98
53) Trichloroethene	6.823	130	117876	45.07	ug/L		97
54) Methylcyclohexane	7.061	55	191373	51.48	ug/L		94
55) 1,2-Diclpropane	7.098	63	133285	43.29	ug/L		97
56) Dibromomethane	7.250	93	90290	44.76	ug/L		94
57) 1,4-Dioxane	7.305	88	54600	989.71	ug/L		93
58) Methyl Methacrylate	7.329	69	123647	52.34	ug/L		91
59) Bromodichloromethane	7.470	83	168486	44.42	ug/L		99
60) 2-Nitropropane	7.756	41	102422	108.30	ug/L		91
61) 2-Chloroethylvinyl Ether	7.884	63	20814	14.95	ug/L		91
62) cis-1,3-Dichloropropene	8.018	75	209489	47.64	ug/L		98
63) 4-Methyl-2-pentanone	8.226	43	203832	50.19	ug/L		90
65) Toluene	8.384	91	521547	45.63	ug/L		97
66) trans-1,3-Dichloropropene	8.659	75	194464	46.47	ug/L		97
67) Ethyl Methacrylate	8.799	69	222834	49.03	ug/L		97
68) 1,1,2-Trichloroethane	8.841	97	129748	47.80	ug/L		96
71) Tetrachloroethene	8.982	164	88838	42.57	ug/L		95
72) 2-Hexanone	9.134	43	157967	55.29	ug/L		94
73) 1,3-Dichloropropane	9.012	76	215824	48.89	ug/L		97
74) Dibromochloromethane	9.244	129	144204	50.18	ug/L		99
75) N-Butyl Acetate	9.293	43	321541	51.06	ug/L		100
76) 1,2-Dibromoethane	9.335	107	137016	47.24	ug/L		92
77) 3-Chlorobenzotrifluoride	9.853	180	179234	47.61	ug/L		94
78) Chlorobenzene	9.835	112	339109	47.06	ug/L		94
79) 4-Chlorobenzotrifluoride	9.908	180	158465	49.38	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.920	131	126777	49.01	ug/L		94
81) Ethylbenzene	9.951	106	176687	47.61	ug/L		97
82) (m+p)Xylene	10.067	106	439991	98.04	ug/L		100
83) o-Xylene	10.420	106	217697	46.87	ug/L		93
84) Styrene	10.439	104	376823	49.03	ug/L		96
85) Bromoform	10.585	173	105294	46.90	ug/L		94
86) 2-Chlorobenzotrifluoride	10.670	180	181928	50.23	ug/L		94
87) Isopropylbenzene	10.756	105	541081	48.37	ug/L		99
88) Cyclohexanone	10.817	55	659584	1002.16	ug/L		100
89) trans-1,4-Dichloro-2-B...	11.067	53	45032	44.13	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.018	83	212300	49.61	ug/L		94
92) Bromobenzene	10.999	156	158494	43.87	ug/L	#	82
93) 1,2,3-Trichloropropane	11.048	110	57496	48.63	ug/L	#	90
94) n-Propylbenzene	11.115	91	664099	45.38	ug/L		97
95) 2-Chlorotoluene	11.176	91	409047	43.26	ug/L		99
96) 3-Chlorotoluene	11.231	91	437266	44.92	ug/L		99
97) 4-Chlorotoluene	11.268	91	461849	43.75	ug/L		98
98) 1,3,5-Trimethylbenzene	11.262	105	478528	46.54	ug/L		98
99) tert-Butylbenzene	11.536	119	407006	45.95	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	496664	48.36	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.640	214	159181	45.71	ug/L		97
102) sec-Butylbenzene	11.719	105	605991	47.08	ug/L		99
103) p-Isopropyltoluene	11.841	119	490845	45.99	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

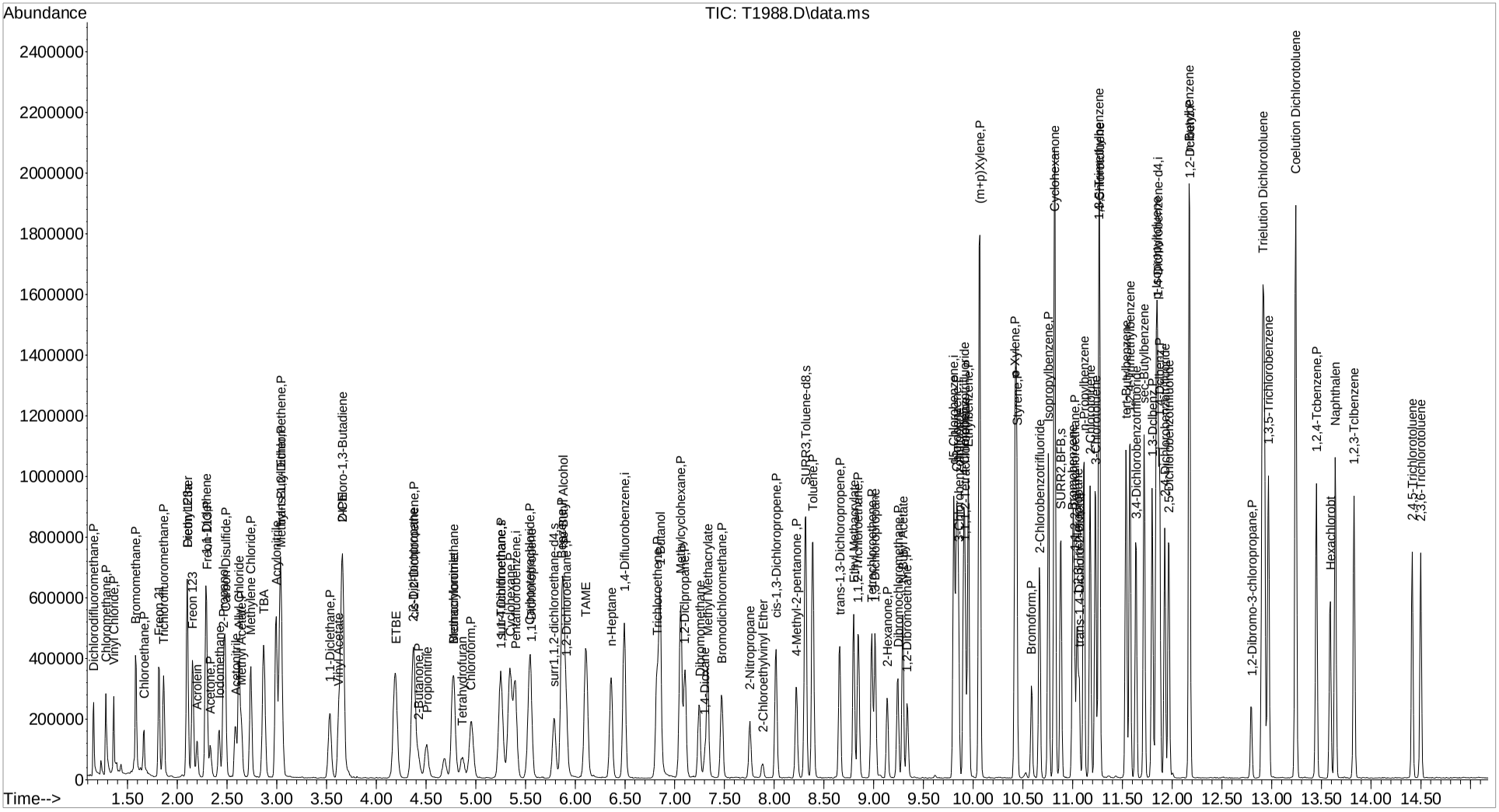
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	300151	45.89	ug/L	99
105) 1,4-Dclbenz	11.871	146	308646	44.57	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	144155	47.93	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	165186	47.59	ug/L	97
108) n-Butylbenzene	12.170	91	447057	44.51	ug/L	97
109) 1,2-Dclbenz	12.176	146	306810	47.45	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	54831	50.09	ug/L	90
111) Trielution Dichlorotol...	12.914	125	800860	151.66	ug/L	98
112) 1,3,5-Trichlorobenzene	12.969	180	230268	49.26	ug/L	97
113) Coelution Dichlorotoluene	13.243	125	593722	101.10	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	221354	48.16	ug/L	96
115) Hexachlorobt	13.590	225	86881	43.59	ug/L	93
116) Naphthalen	13.639	128	618161	54.10	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	206793	47.68	ug/L	98
118) 2,4,5-Trichlorotoluene	14.413	159	146930	51.78	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	137628	57.38	ug/L	92

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

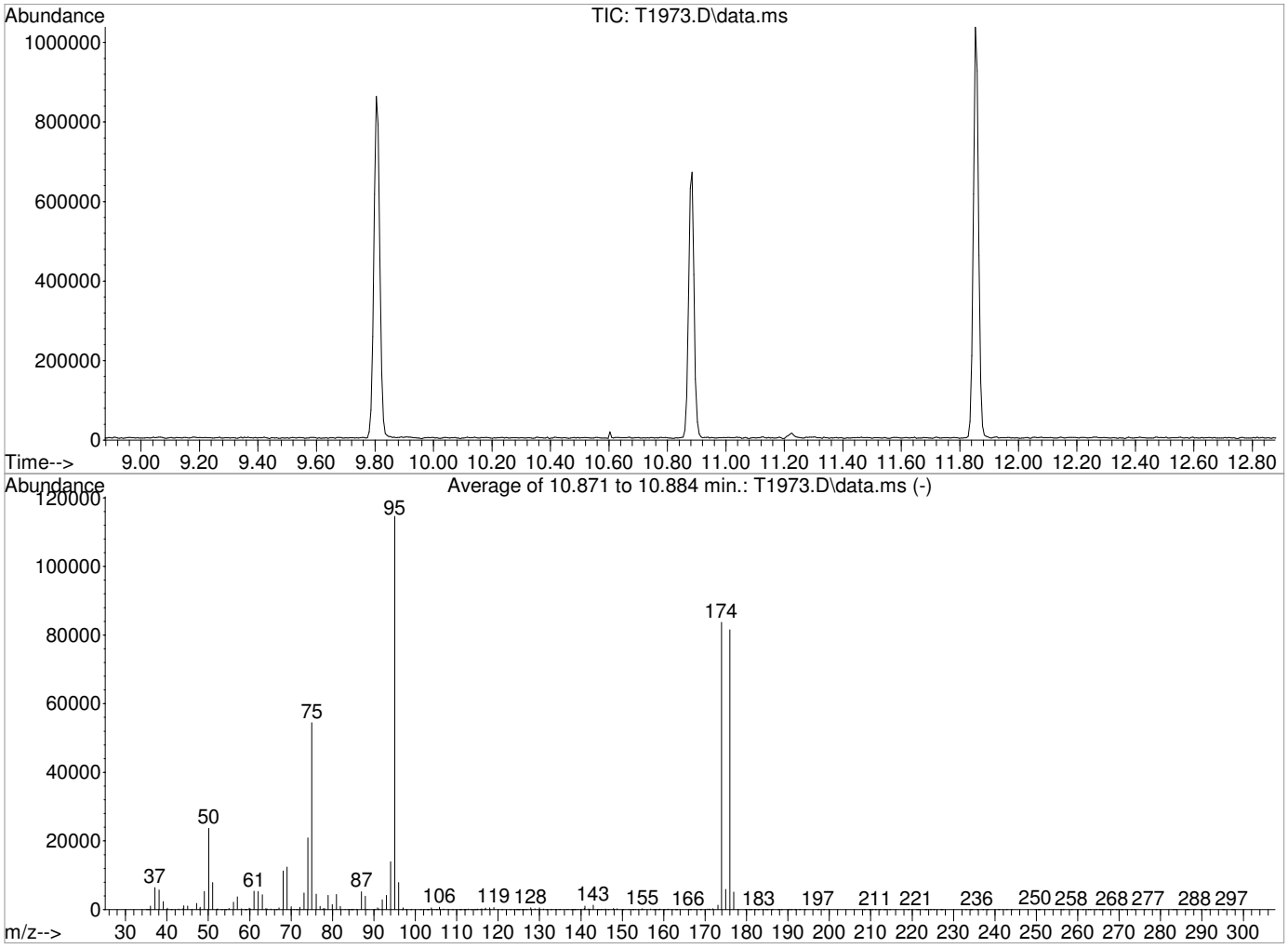


1st FJ 09/18/20
2nd 09/19/20

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1973.D
Acq On : 17 Sep 2020 11:24 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Tue Sep 15 14:18:43 2020



AutoFind: Scans 1605, 1606, 1607; 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	20.7	23707	PASS
75	95	30	60	47.5	54444	PASS
95	95	100	100	100.0	114586	PASS
96	95	5	9	6.9	7858	PASS
173	174	0.00	2	1.5	1286	PASS
174	95	50	120	73.1	83755	PASS
175	174	5	9	7.1	5943	PASS
176	174	95	101	97.4	81579	PASS
177	176	5	9	6.3	5113	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1974.D
Acq On : 17 Sep 2020 11:52 am
Operator : F.NAEGLER
Sample : ICALBLK Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 10:53:54 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

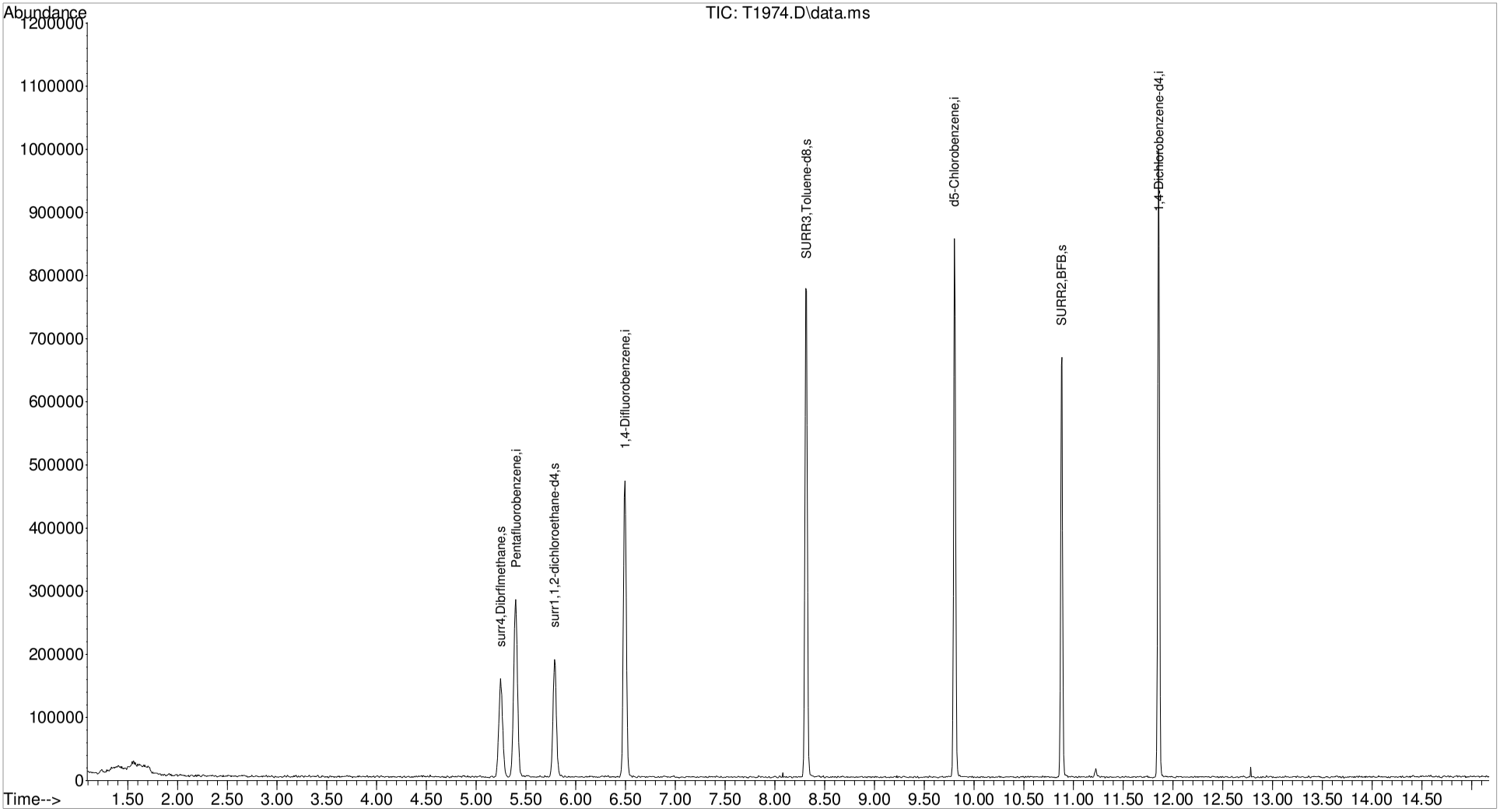
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	258131	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	403305	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	366513	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	184582	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	126482	51.63	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.26%			
46) surr1,1,2-dichloroetha...	5.787	65	152552	52.43	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.86%			
64) SURR3,Toluene-d8	8.317	98	481505	51.14	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.28%			
69) SURR2,BFB	10.884	95	178999	48.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.46%			
Target Compounds						Qvalue
10) Freon 123a	2.136	67	277	Below Cal	#	29
21) Methyl Acetate	2.593	43	798	Below Cal		68
37) Methacrylonitrile	4.690	67	454	Below Cal	#	1
42) Cyclohexane	5.330	41	434	Below Cal		94
60) 2-Nitropropane	7.756	41	900	Below Cal	#	22

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1974.D
Acq On : 17 Sep 2020 11:52 am
Operator : F.NAEGLER
Sample : ICALBLK Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 10:53:54 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

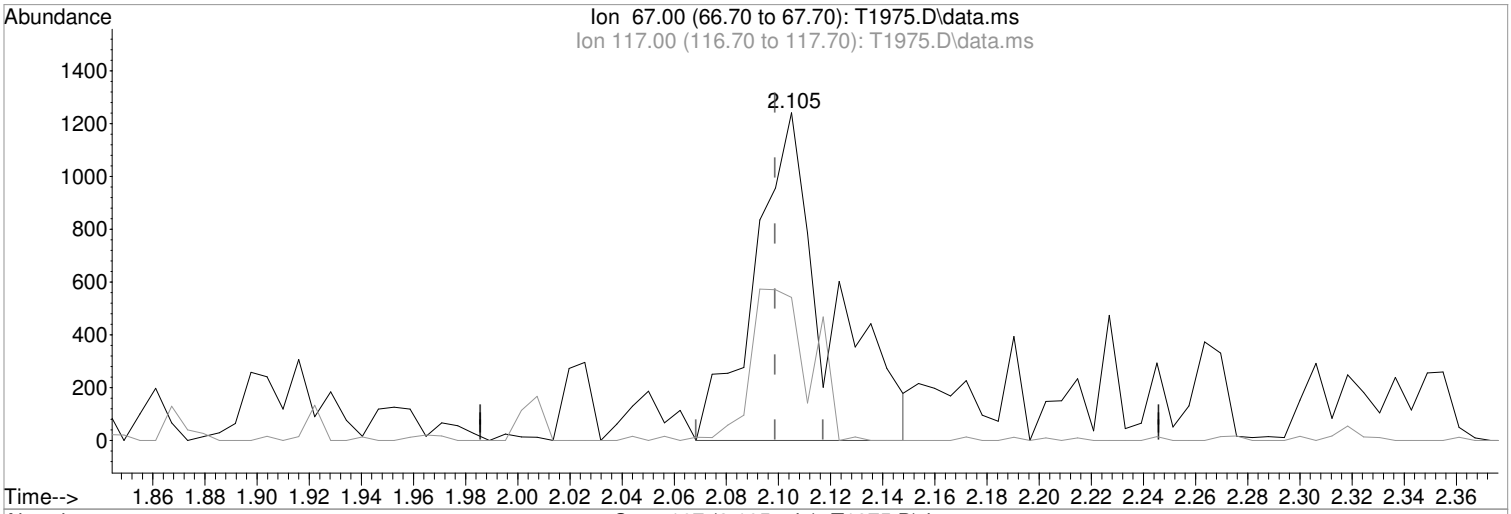


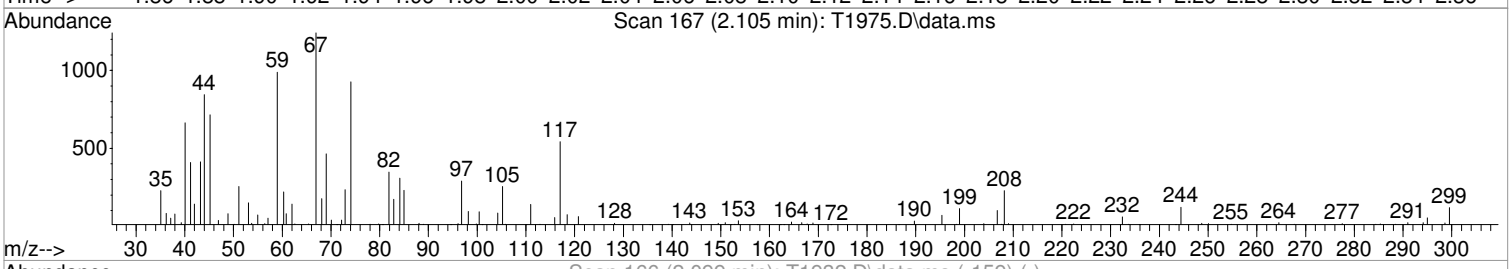
1st FJ 09/18/20
2nd 09/19/20

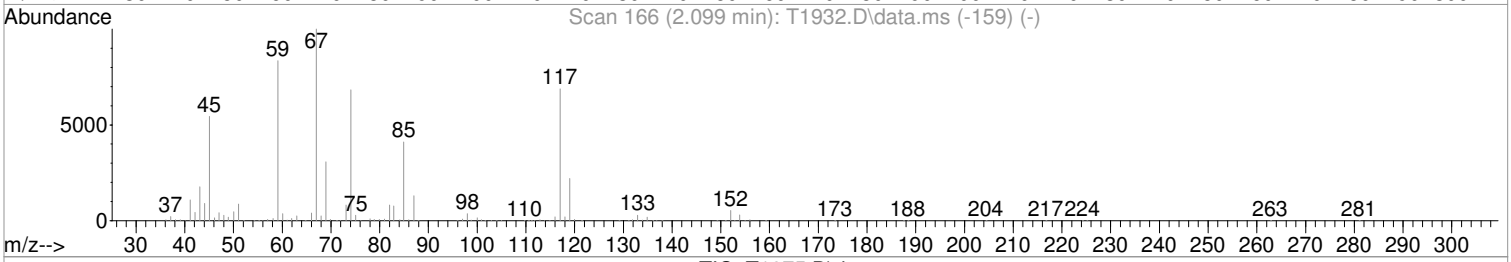
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(10) Freon 123a

2.105min (+0.006) 0.92 ug/L m

response 2432

Ion	Exp%	Act%
67.00	100	100
117.00	69.50	43.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

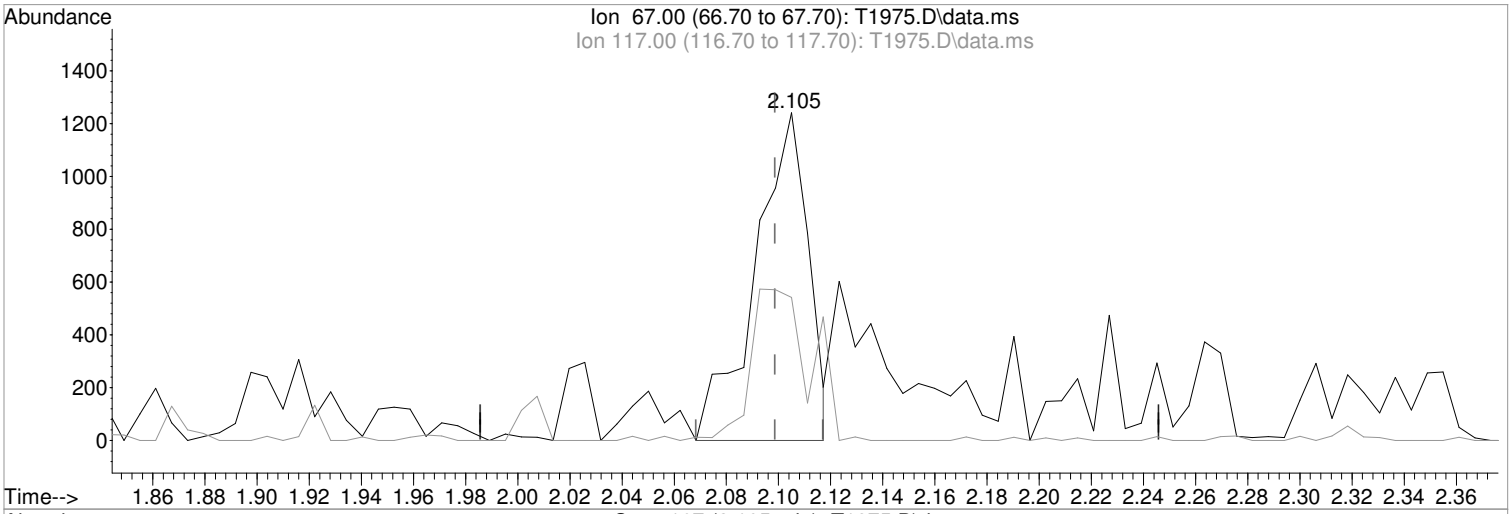
Poor integration.

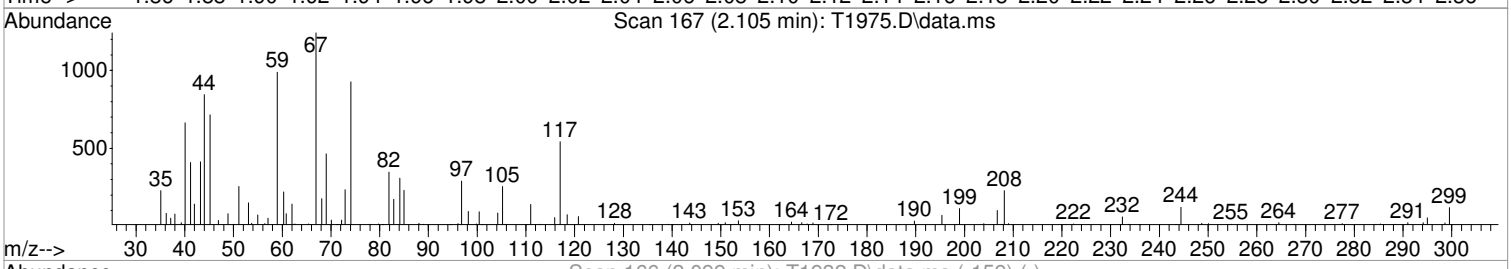
09/17/20

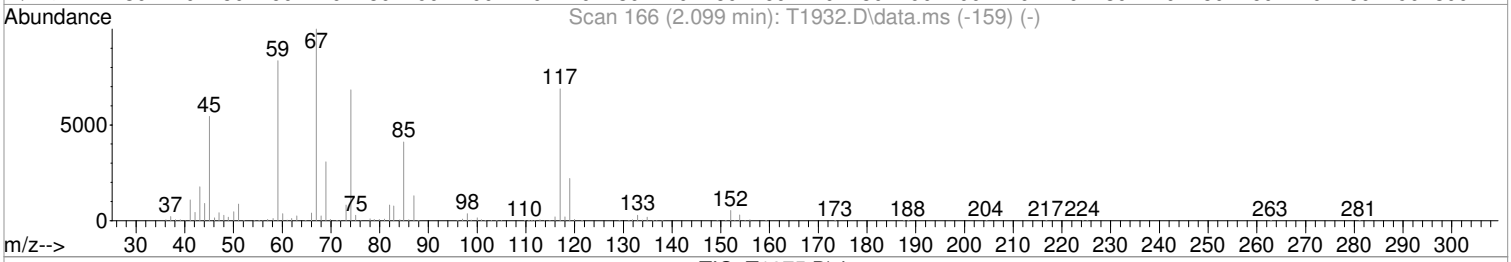
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(10) Freon 123a

2.105min (+0.006) 0.67 ug/L

response 1756

Ion	Exp%	Act%
67.00	100	100
117.00	69.50	43.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

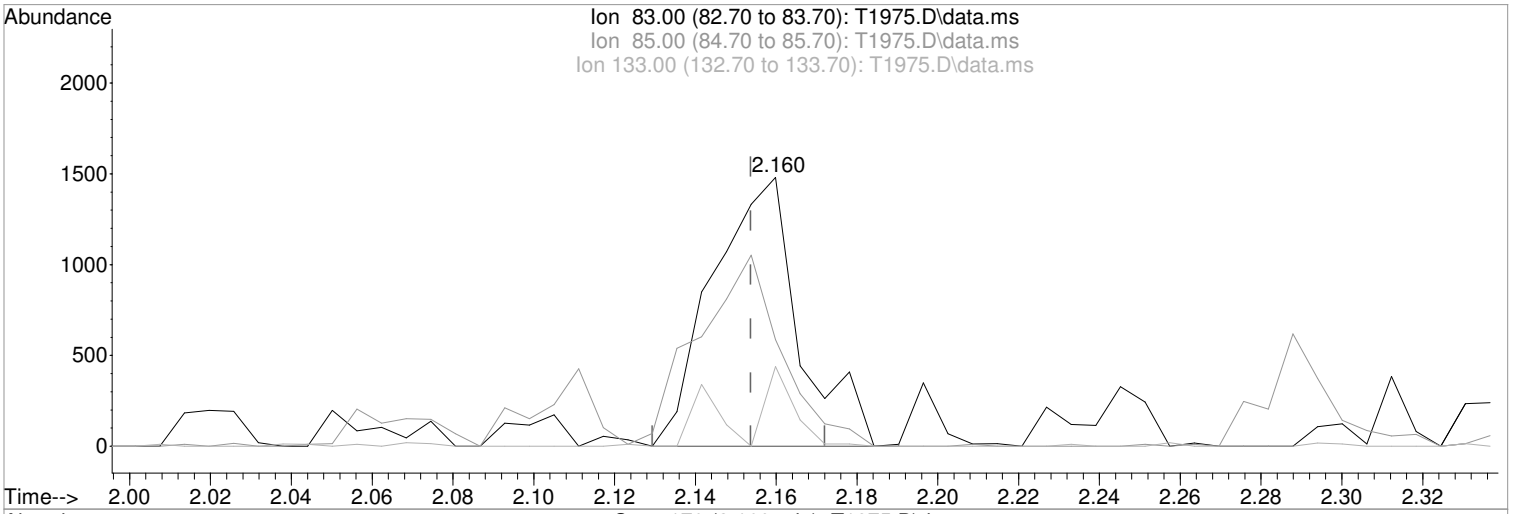
Before

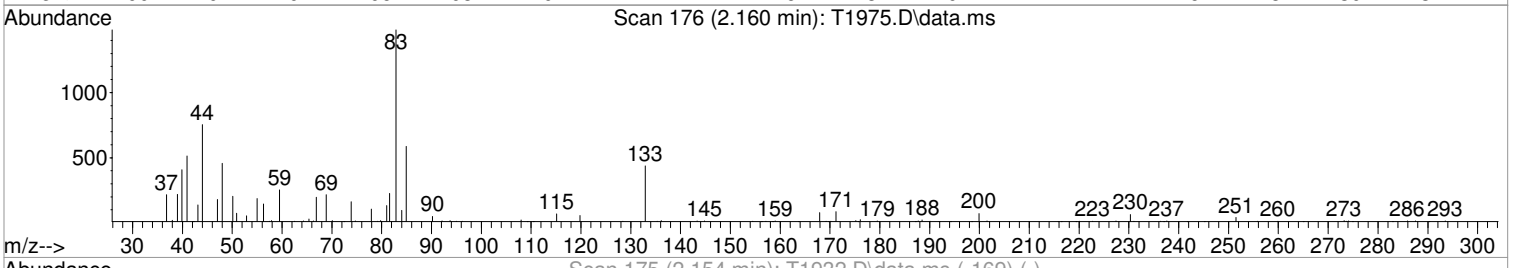
09/17/20

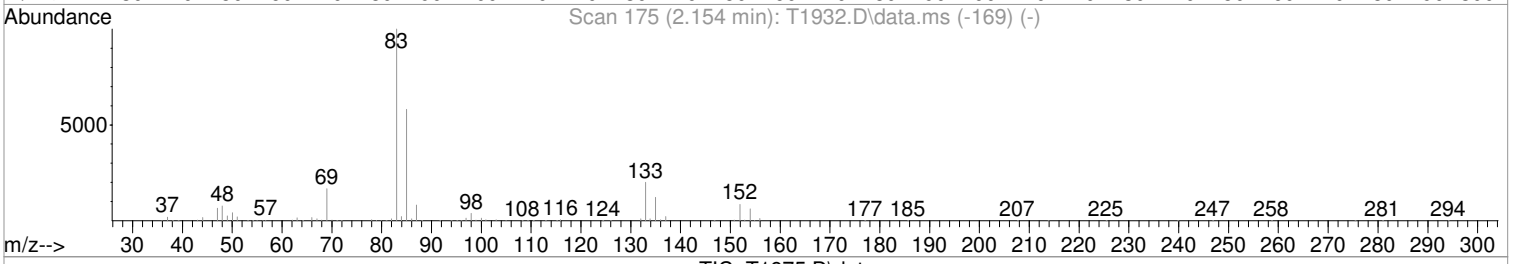
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(11) Freon 123

2.160min (+0.006) 0.71 ug/L m

response 2213

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	39.57#
133.00	20.20	29.57
0.00	0.00	0.00

Manual Integration:

After

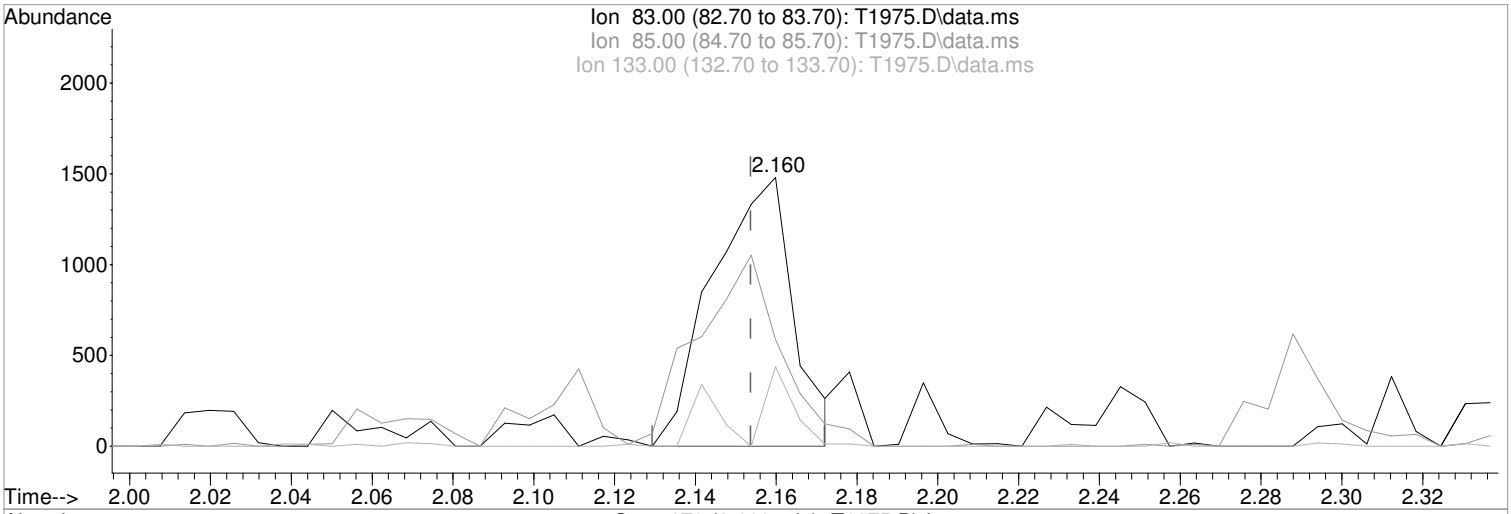
Poor integration.

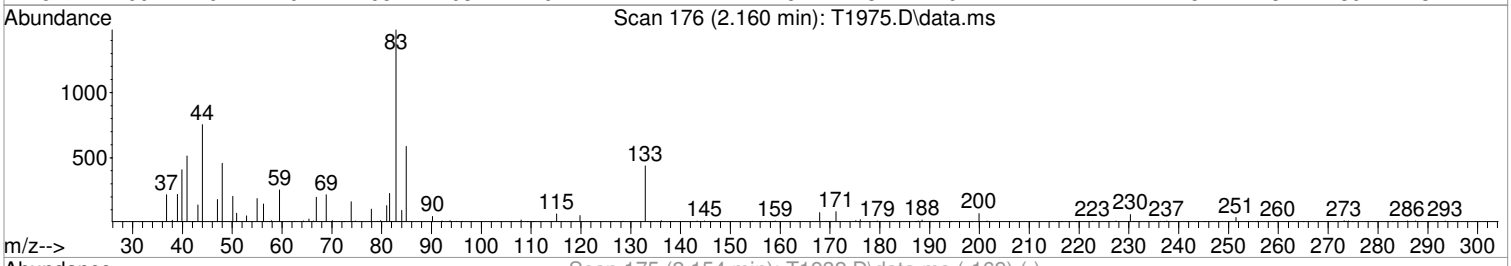
09/17/20

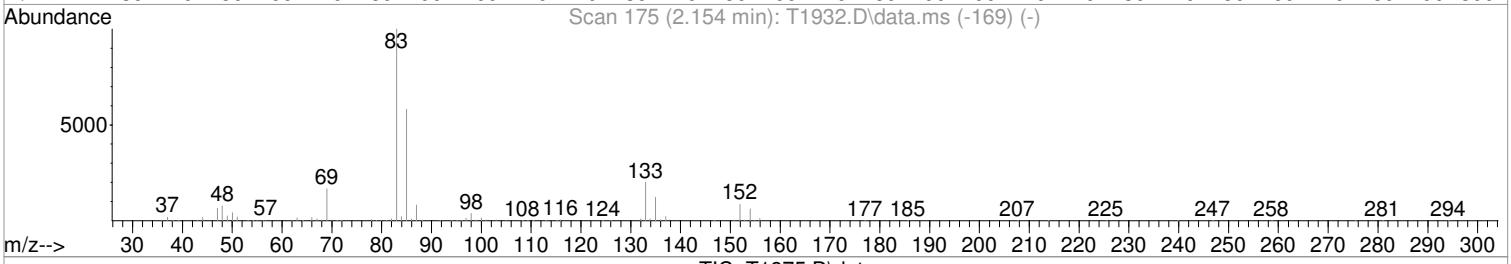
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(11) Freon 123

2.160min (+0.006) 0.67 ug/L

response 2060

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	39.57#
133.00	20.20	29.57
0.00	0.00	0.00

Manual Integration:

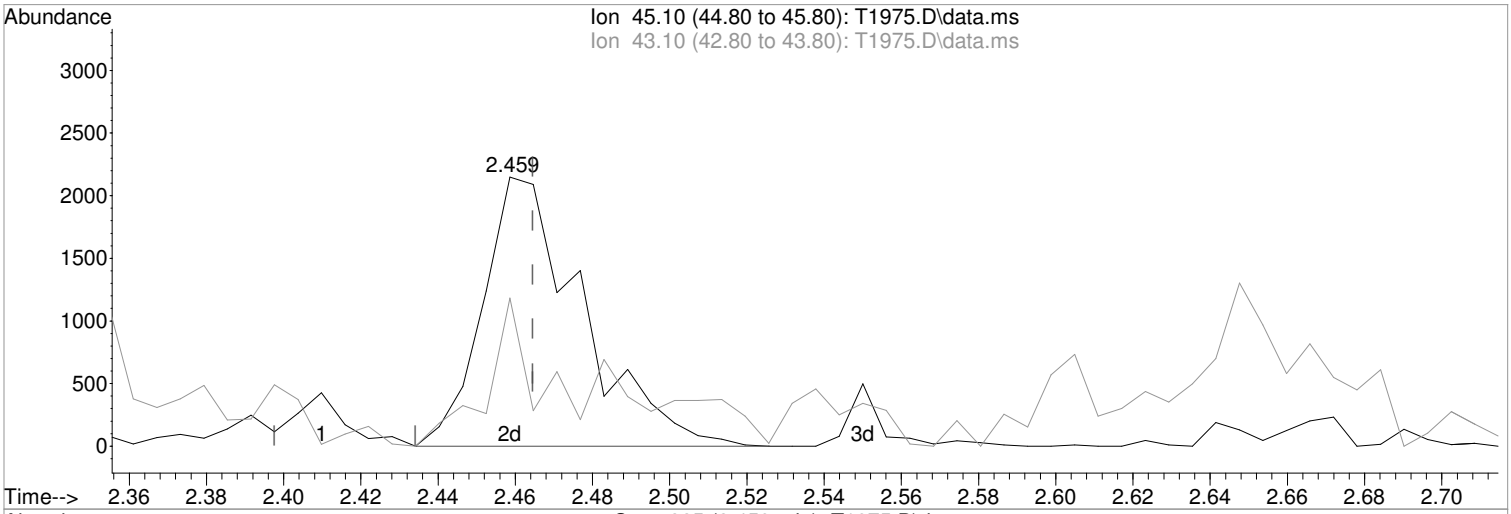
Before

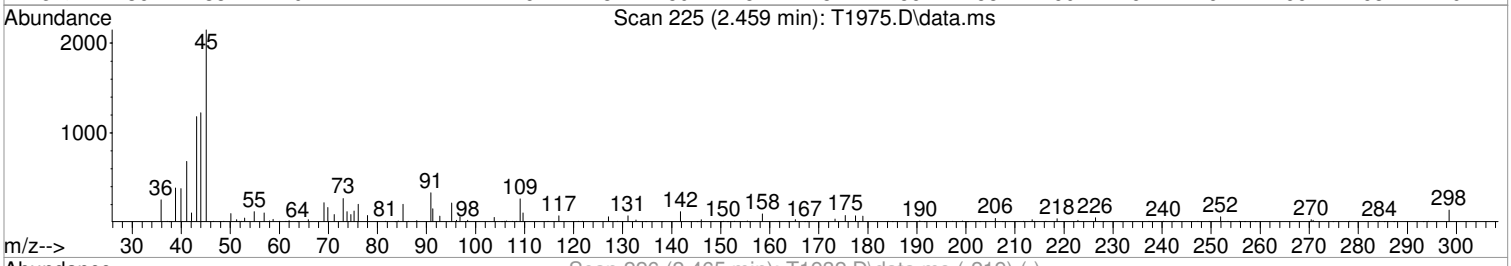
09/17/20

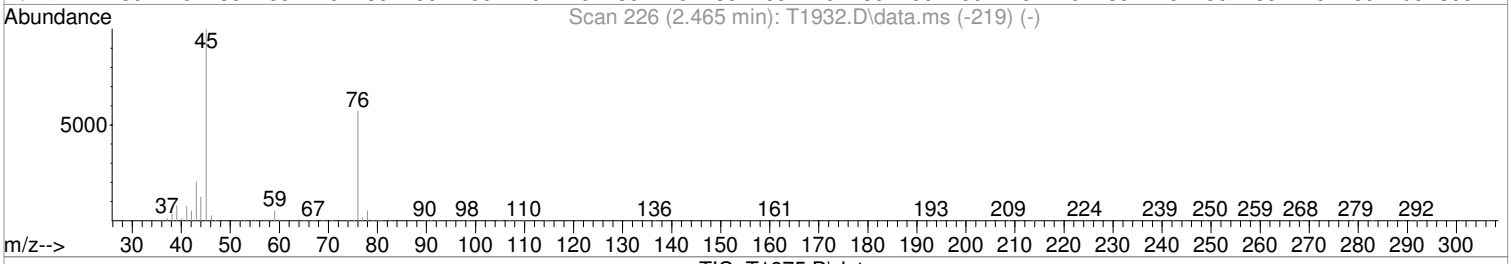
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(16) 2-Propanol

2.459min (-0.006) 18.81 ug/L m

response 3813

Ion	Exp%	Act%
45.10	100	100
43.10	20.50	55.03#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

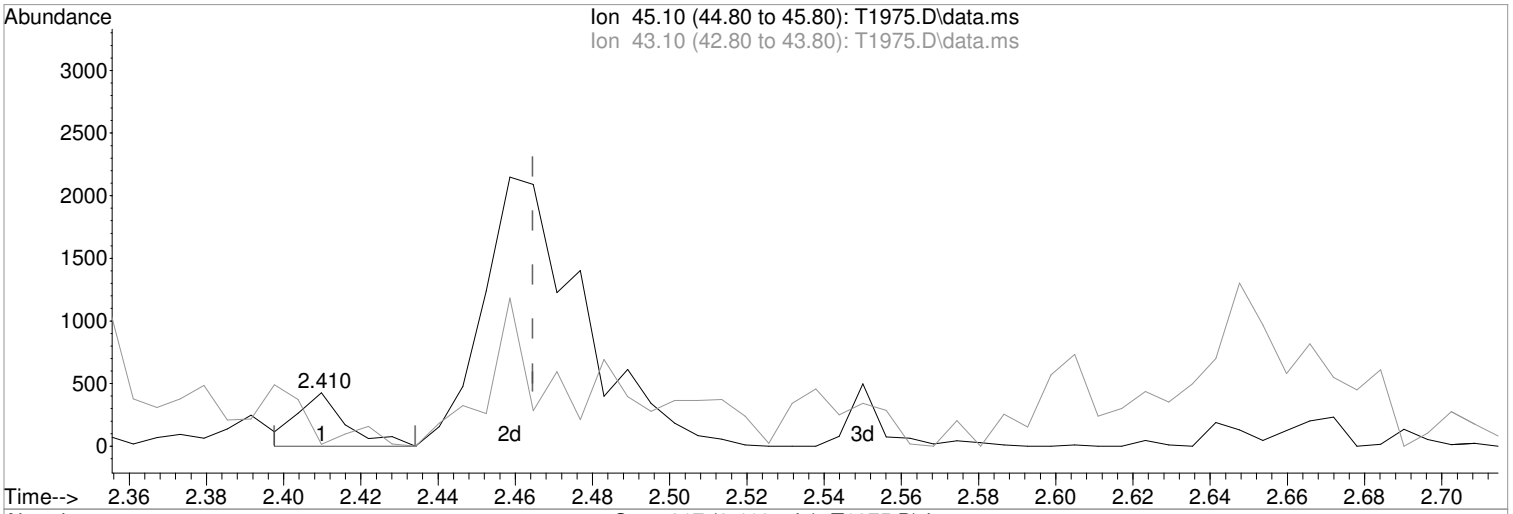
Peak not found.

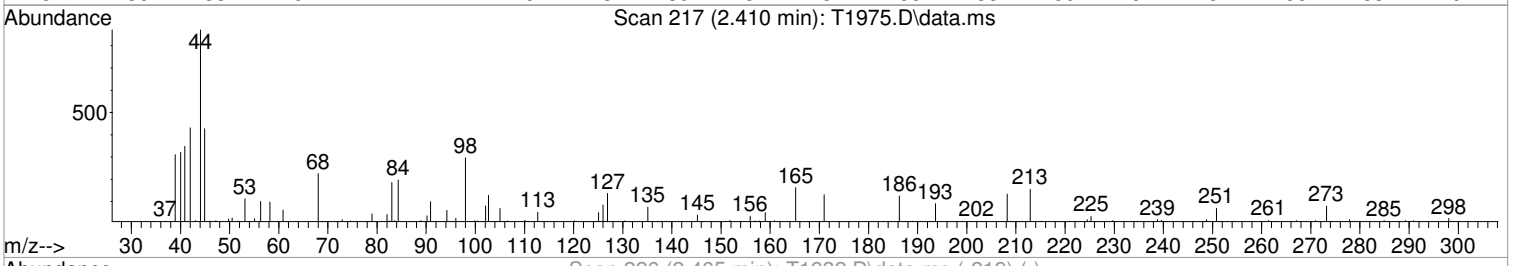
09/17/20

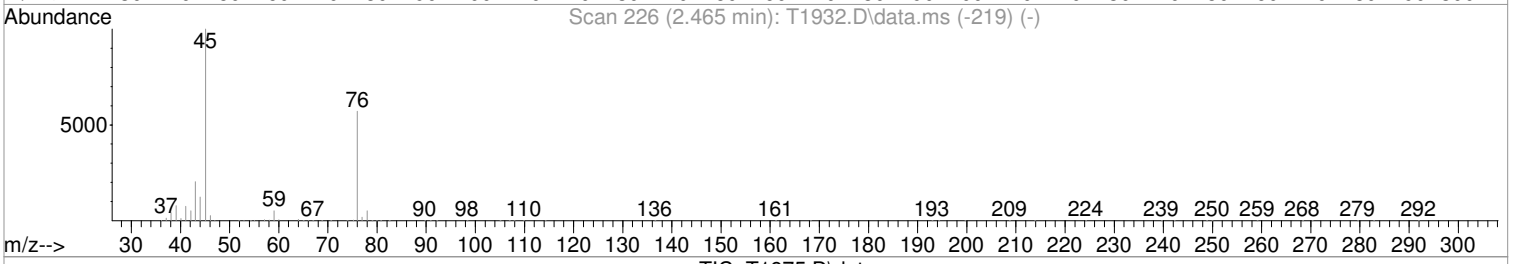
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(16) 2-Propanol

2.410min (-0.055) 1.80 ug/L

response 364

Ion	Exp%	Act%
45.10	100	100
43.10	20.50	3.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

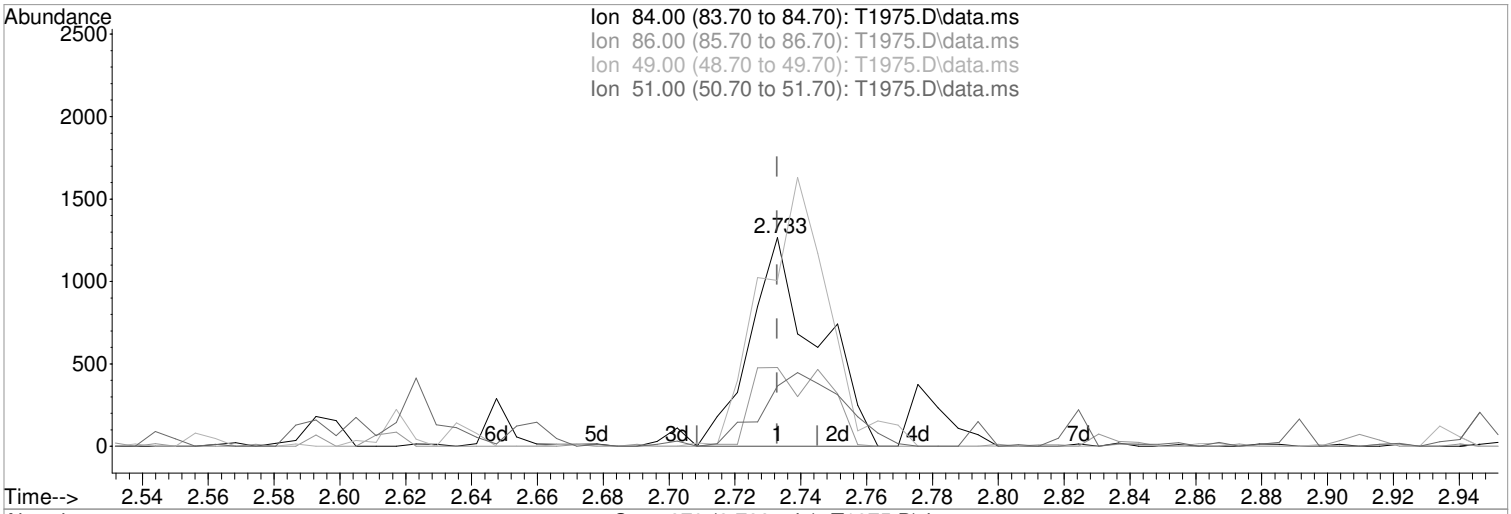
Before

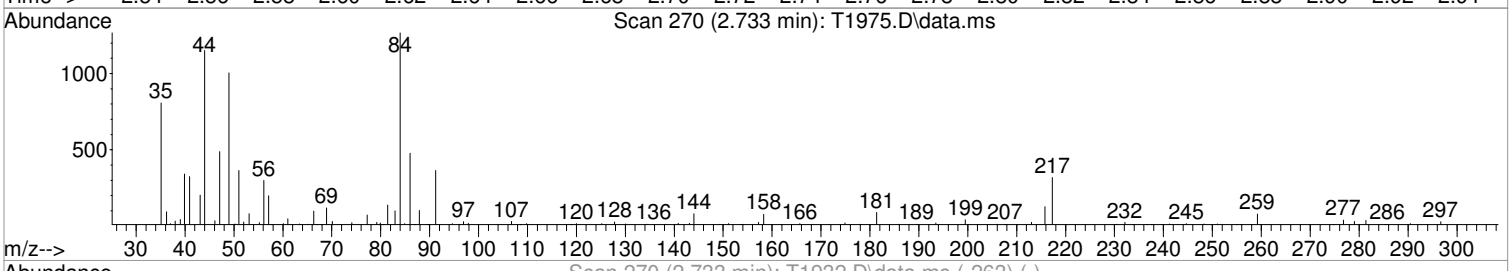
09/17/20

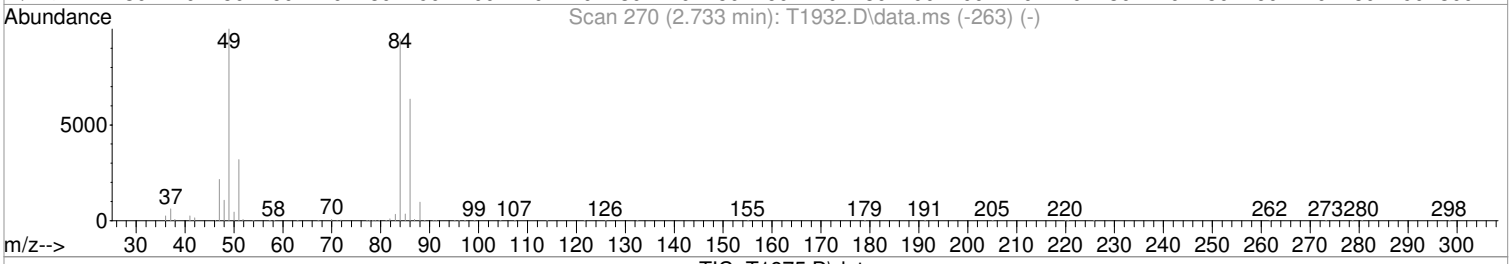
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(22) Methylene Chloride (P)

2.733min (+0.000) 0.74 ug/L m

response 1790

Ion	Exp%	Act%
84.00	100	100
86.00	67.00	37.76#
49.00	105.50	79.38#
51.00	33.60	28.83

Manual Integration:

After

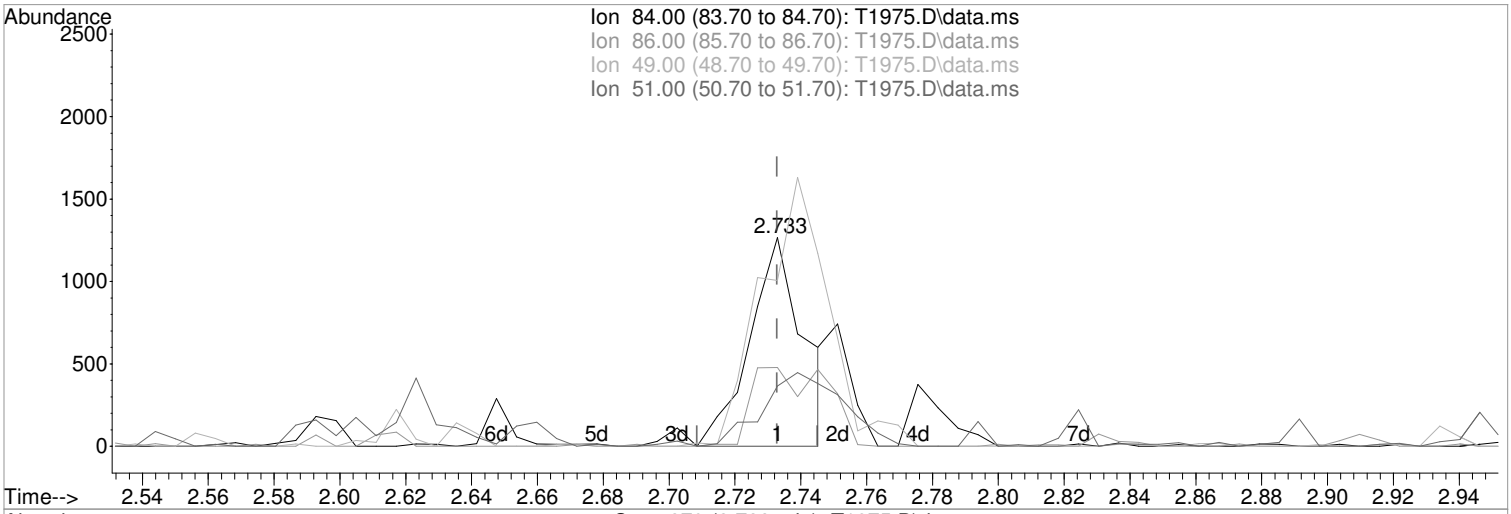
Poor integration.

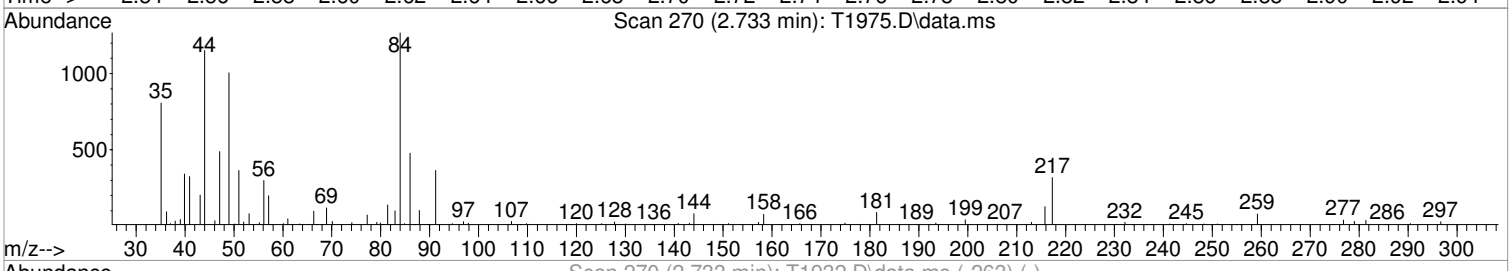
09/17/20

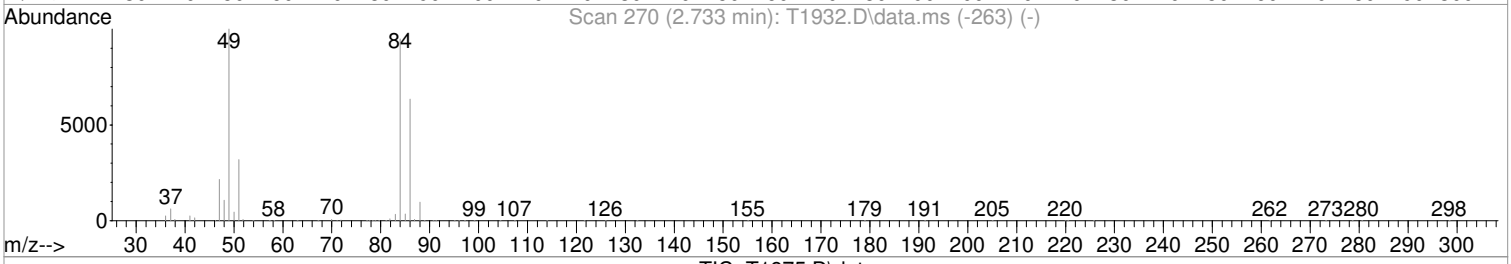
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(22) Methylene Chloride (P)

2.733min (+0.000) 0.59 ug/L

response 1428

Ion	Exp%	Act%
84.00	100	100
86.00	67.00	37.76#
49.00	105.50	79.38#
51.00	33.60	28.83

Manual Integration:

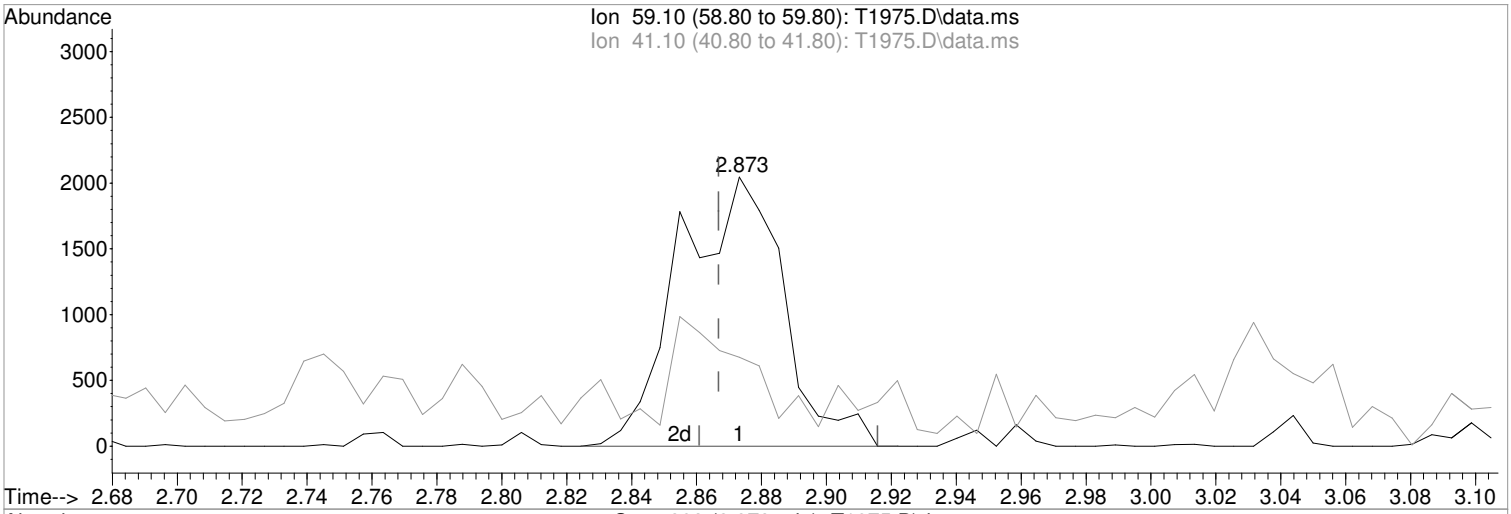
Before

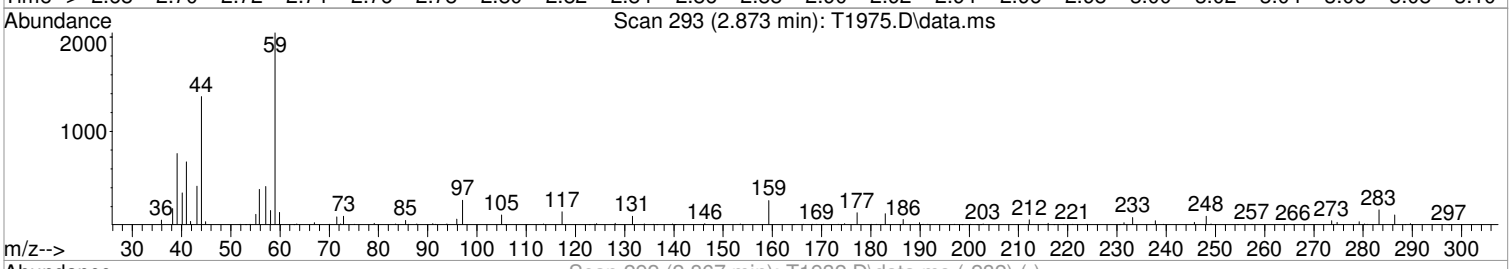
09/17/20

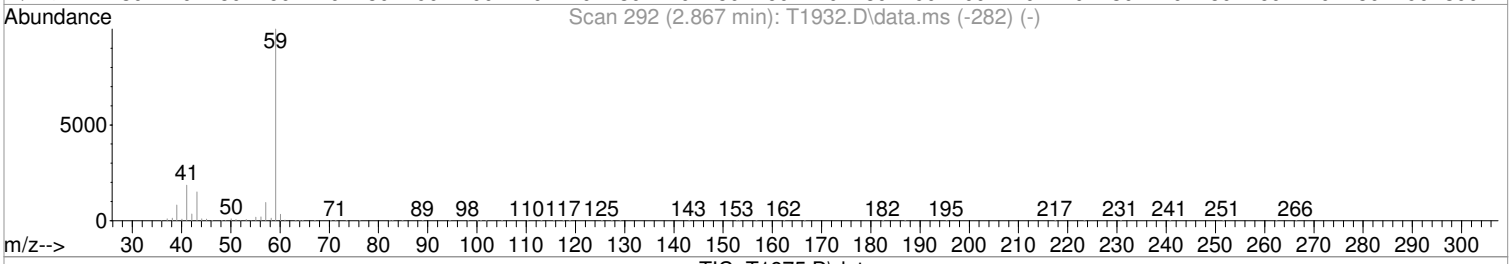
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(23) TBA

2.873min (+0.006) 11.74 ug/L m

response 4524

Ion	Exp%	Act%
59.10	100	100
41.10	18.70	33.01
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

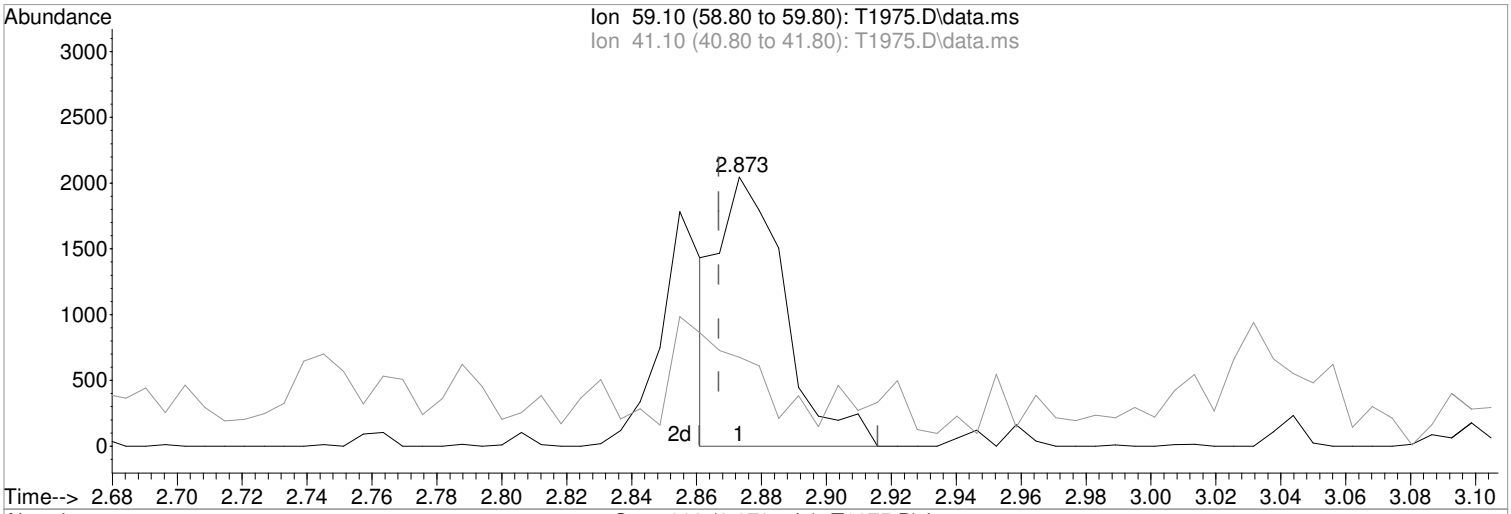
Poor integration.

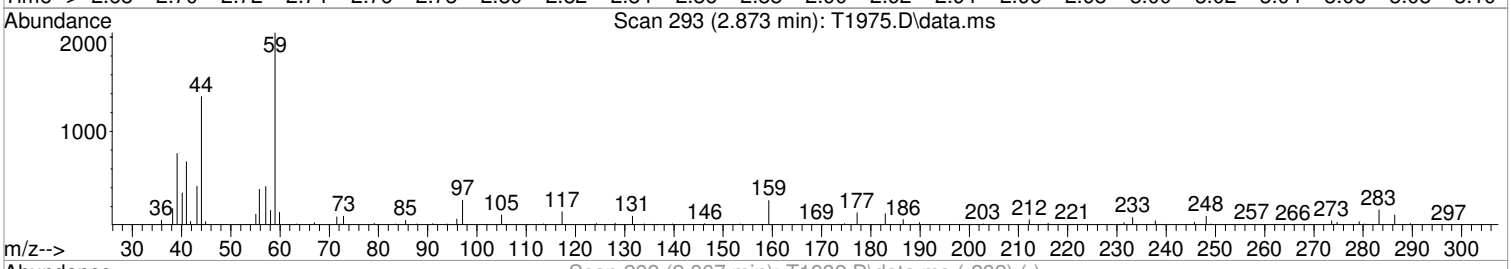
09/17/20

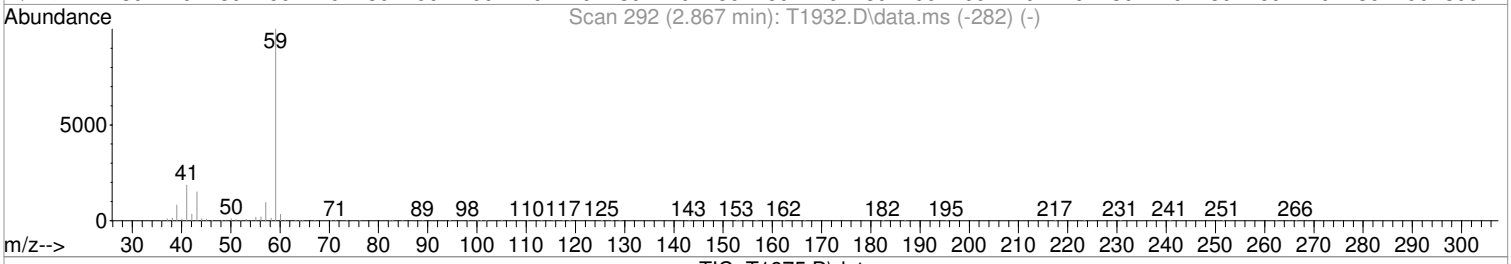
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(23) TBA

2.873min (+0.006) 7.53 ug/L

response 2901

Ion	Exp%	Act%
59.10	100	100
41.10	18.70	35.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

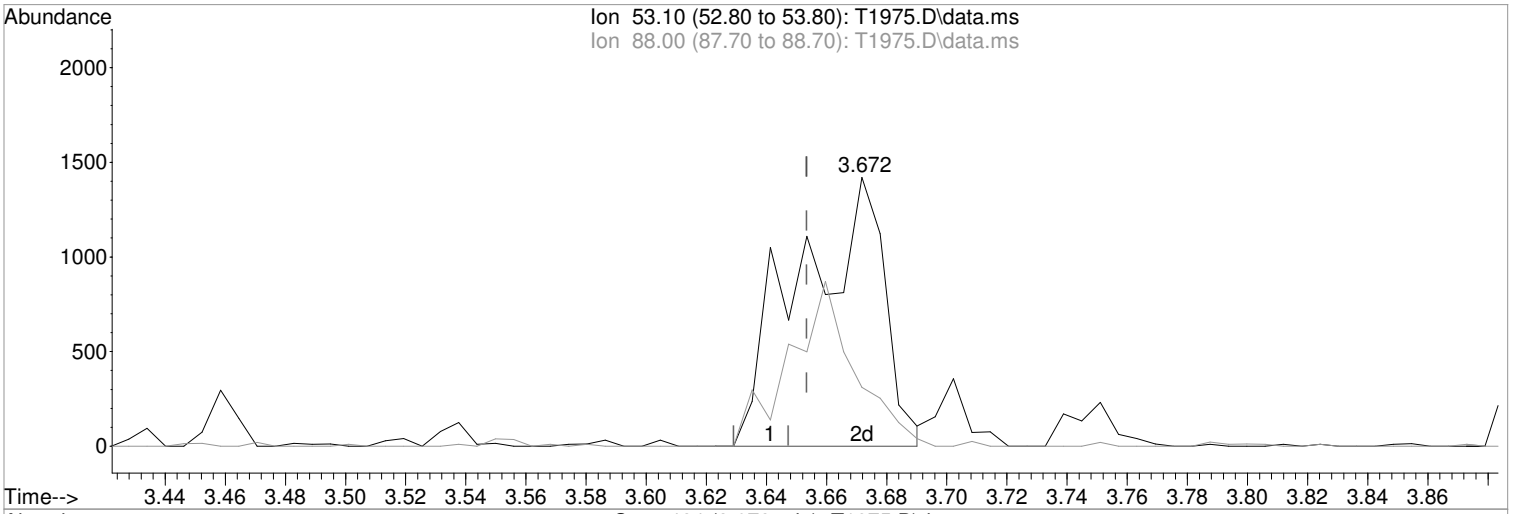
Before

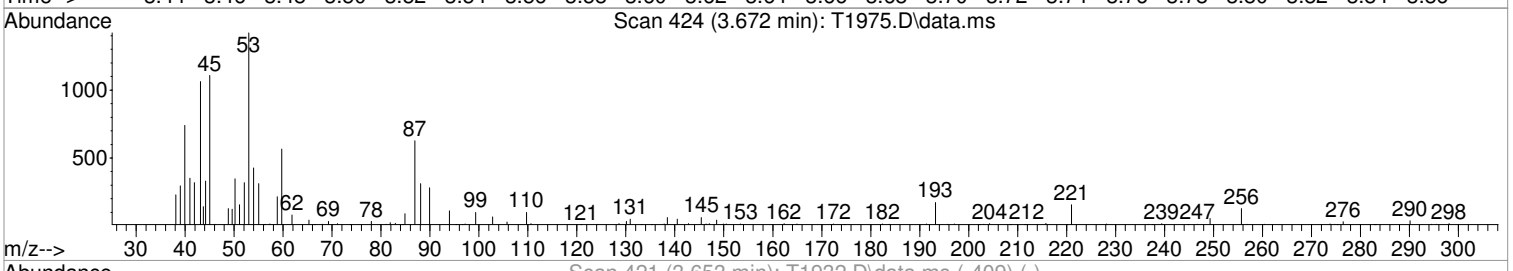
09/17/20

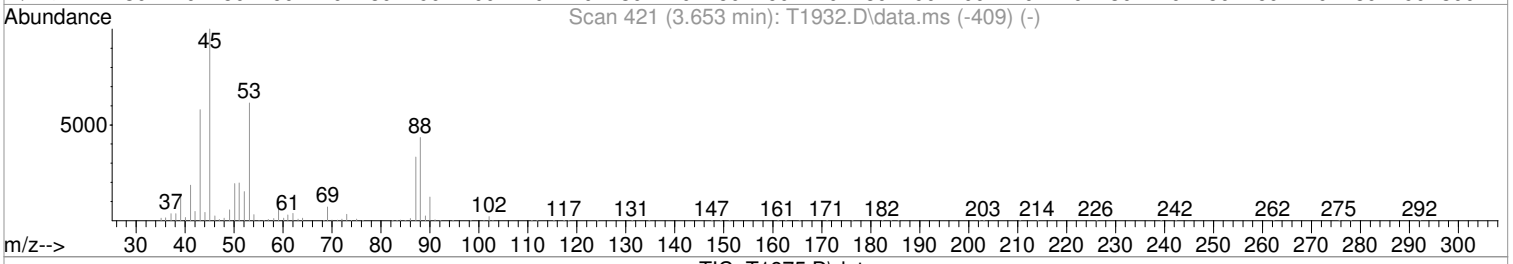
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.672min (+0.018) 0.89 ug/L m

response 2760

Ion	Exp%	Act%
53.10	100	100
88.00	70.60	21.96#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

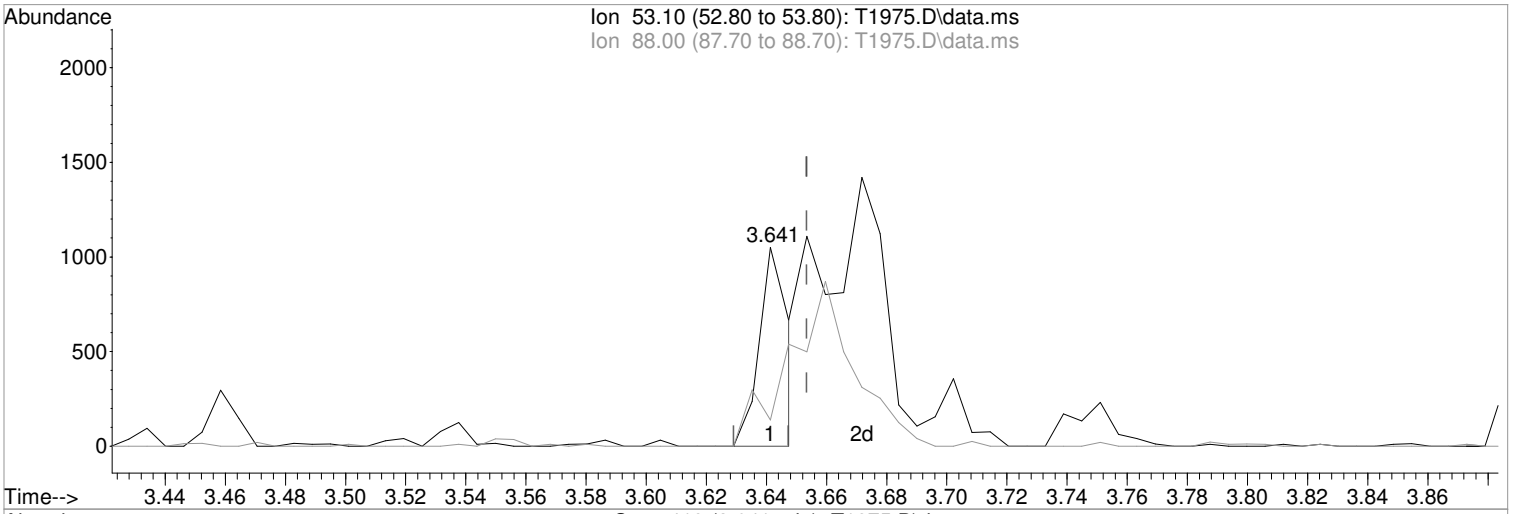
Poor integration.

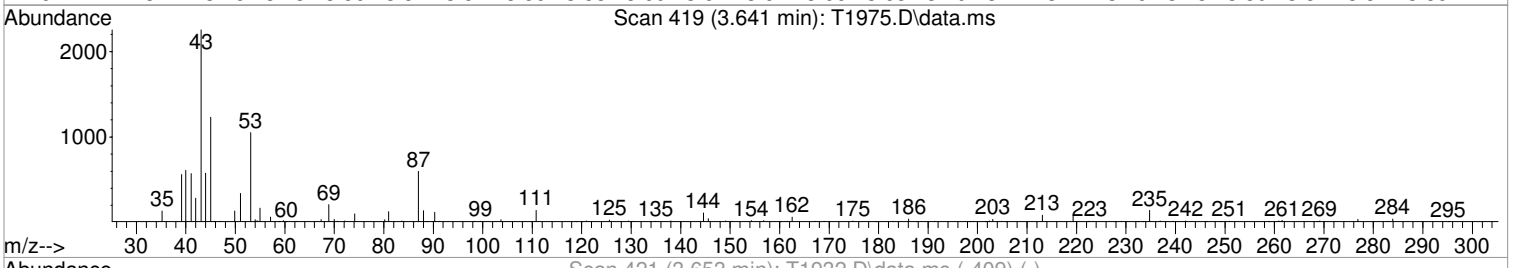
09/17/20

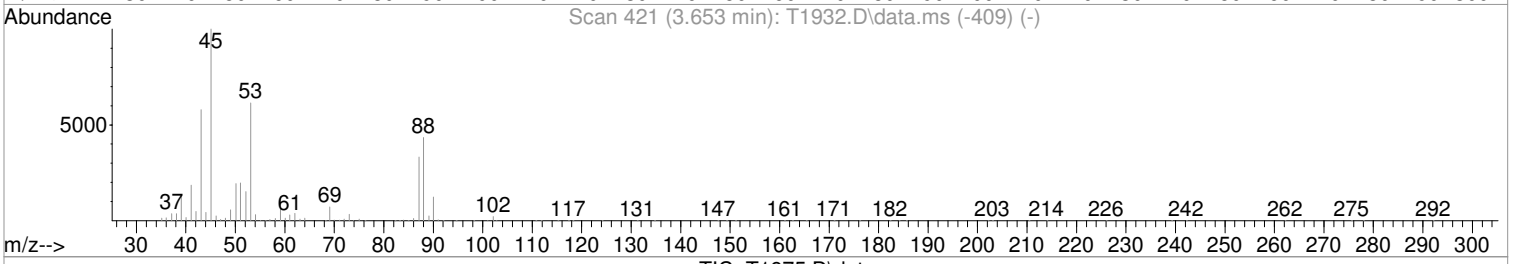
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.641min (-0.012) 0.23 ug/L

response 714

Ion	Exp%	Act%
53.10	100	100
88.00	70.60	14.19#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

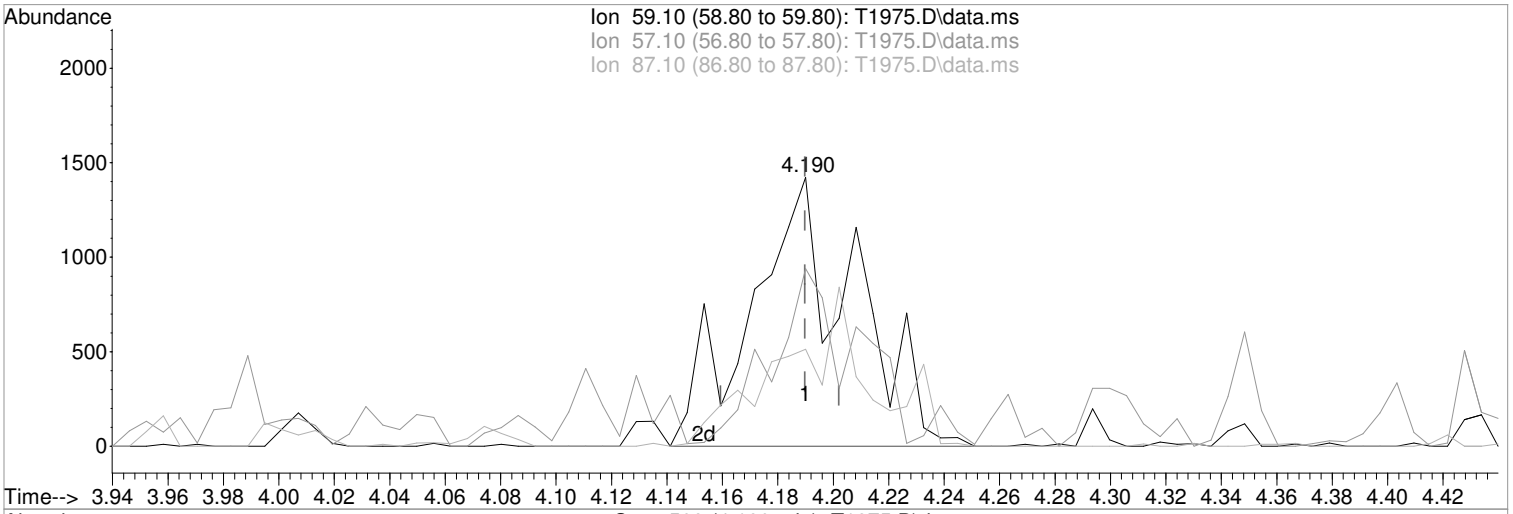
Before

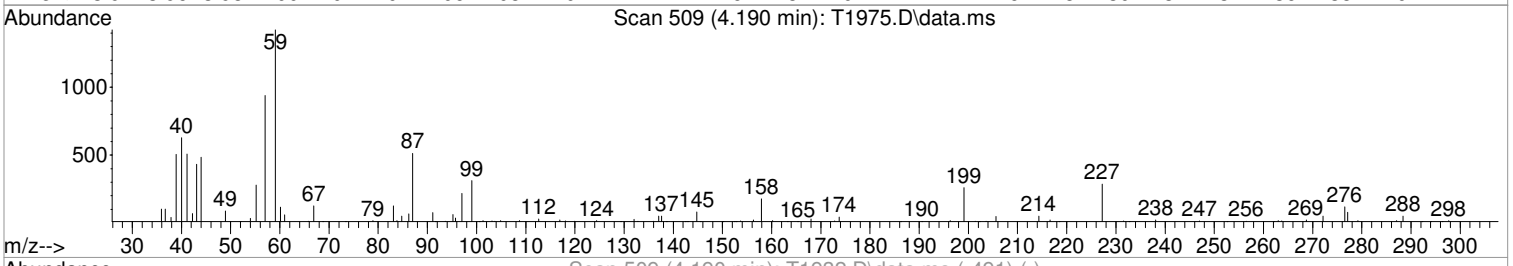
09/17/20

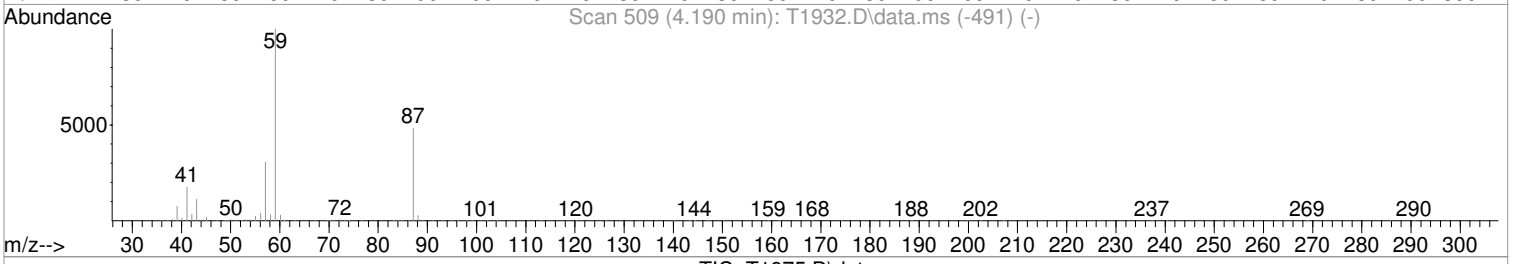
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(31) ETBE

4.190min (+0.000) 0.57 ug/L m

response 3690

Ion	Exp%	Act%
59.10	100	100
57.10	30.60	66.06#
87.10	48.20	36.05
0.00	0.00	0.00

Manual Integration:

After

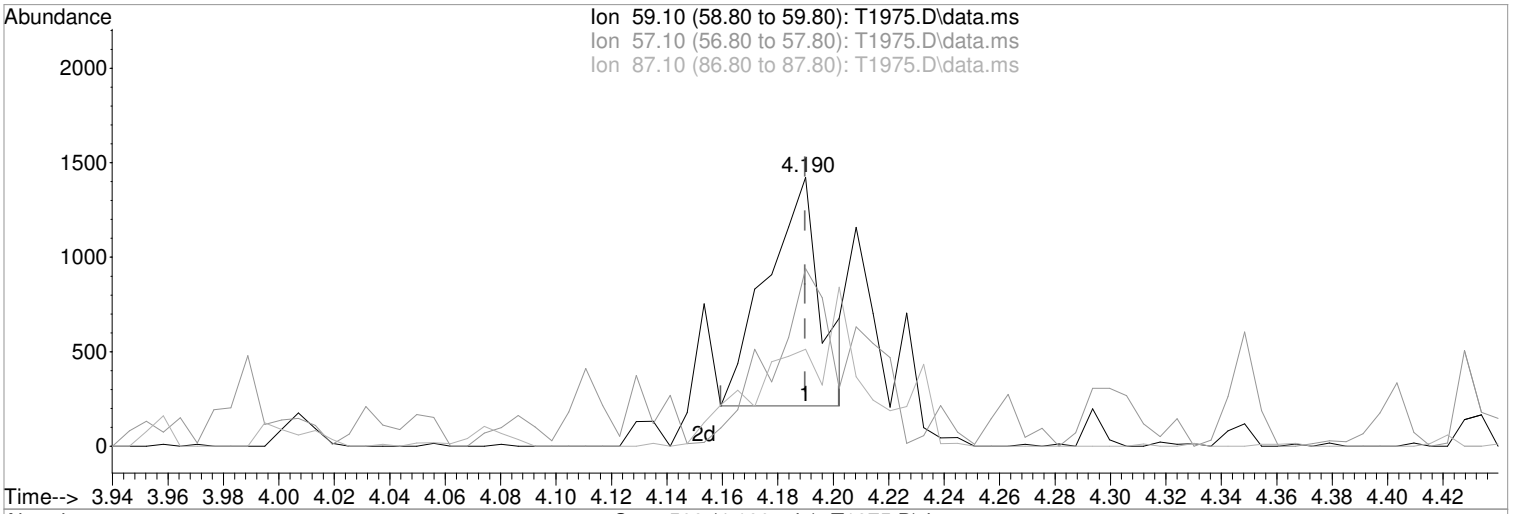
Poor integration.

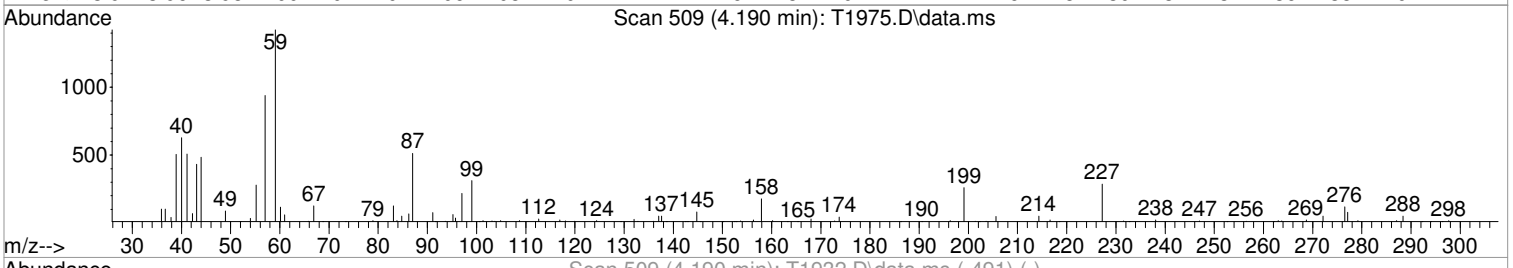
09/17/20

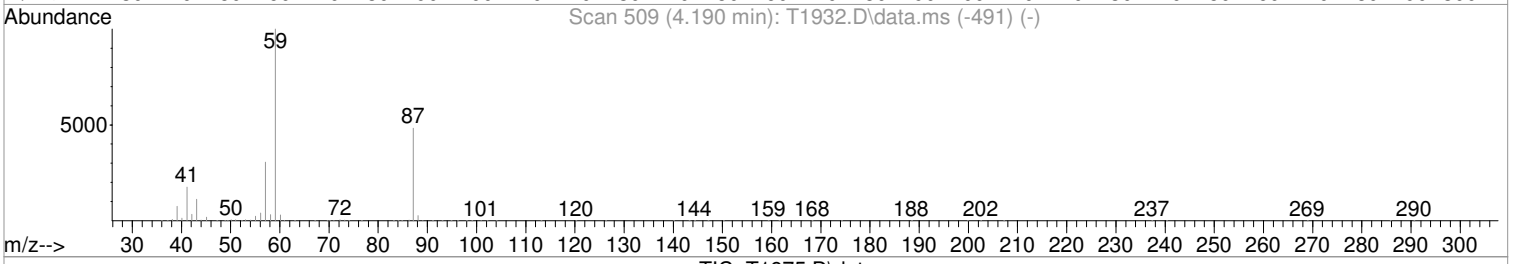
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(31) ETBE

4.190min (+0.000) 0.25 ug/L

response 1643

Ion	Exp%	Act%
59.10	100	100
57.10	30.60	66.06#
87.10	48.20	36.05
0.00	0.00	0.00

Manual Integration:

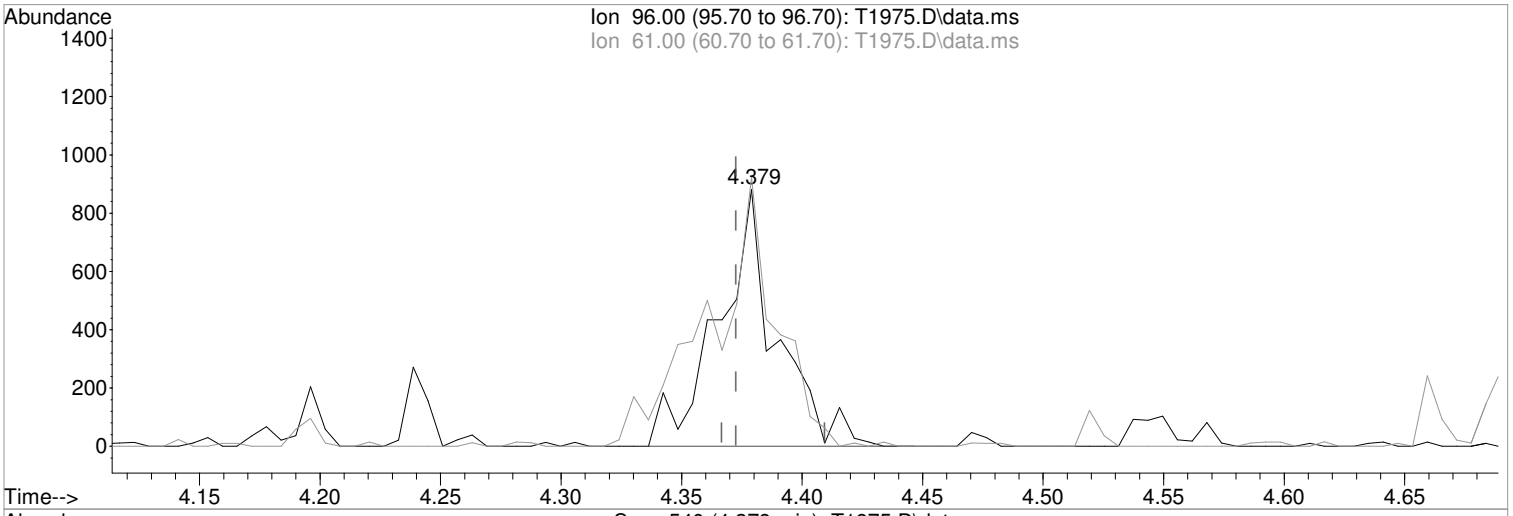
Before

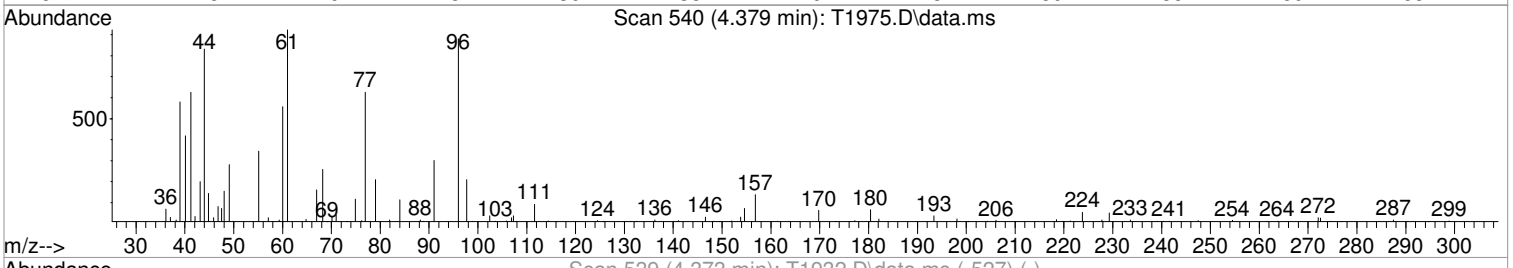
09/17/20

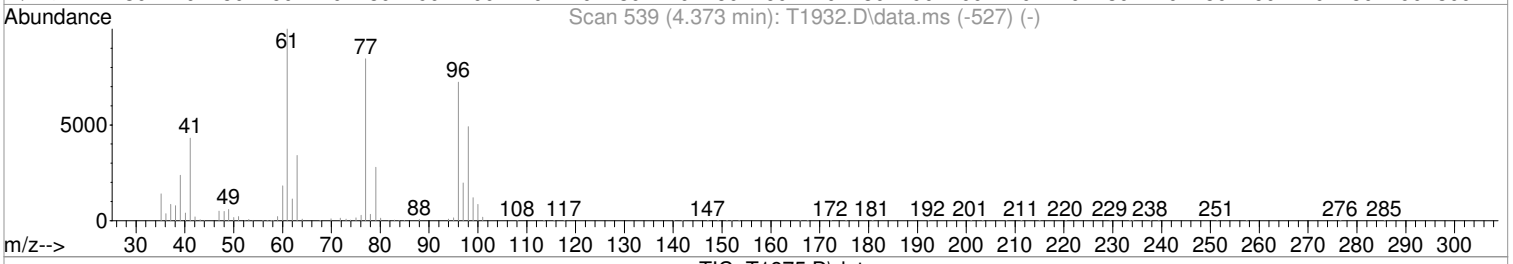
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

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

4.379min (+0.006) 0.60 ug/L m

response 1464

Ion	Exp%	Act%
96.00	100	100
61.00	138.40	104.77#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

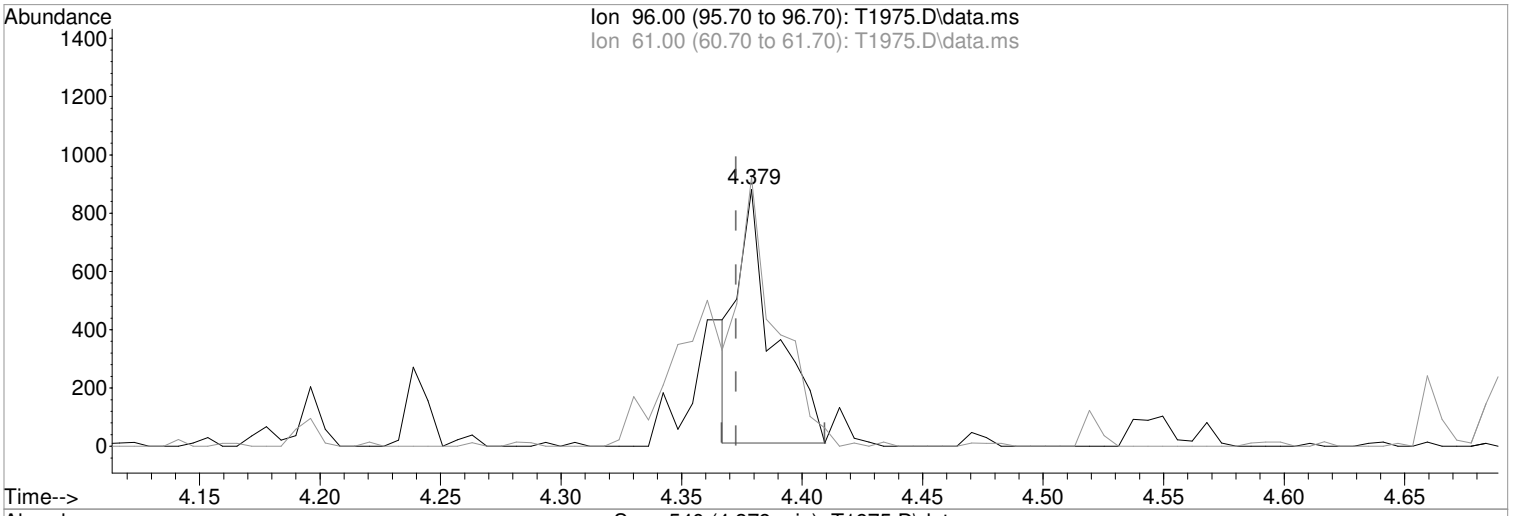
Poor integration.

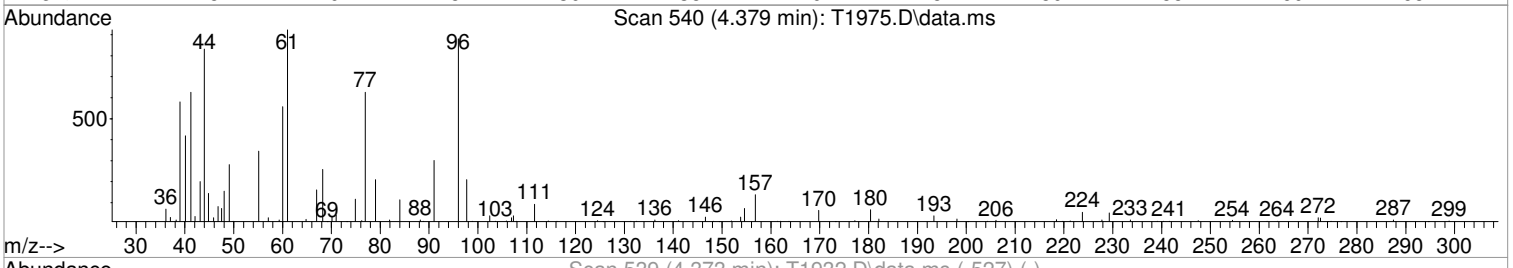
09/17/20

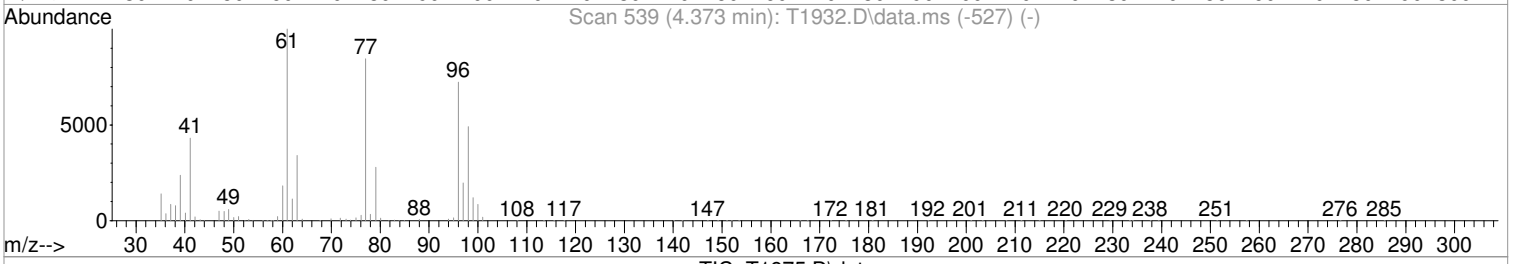
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

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

4.379min (+0.006) 0.37 ug/L

response 912

Ion	Exp%	Act%
96.00	100	100
61.00	138.40	104.77#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

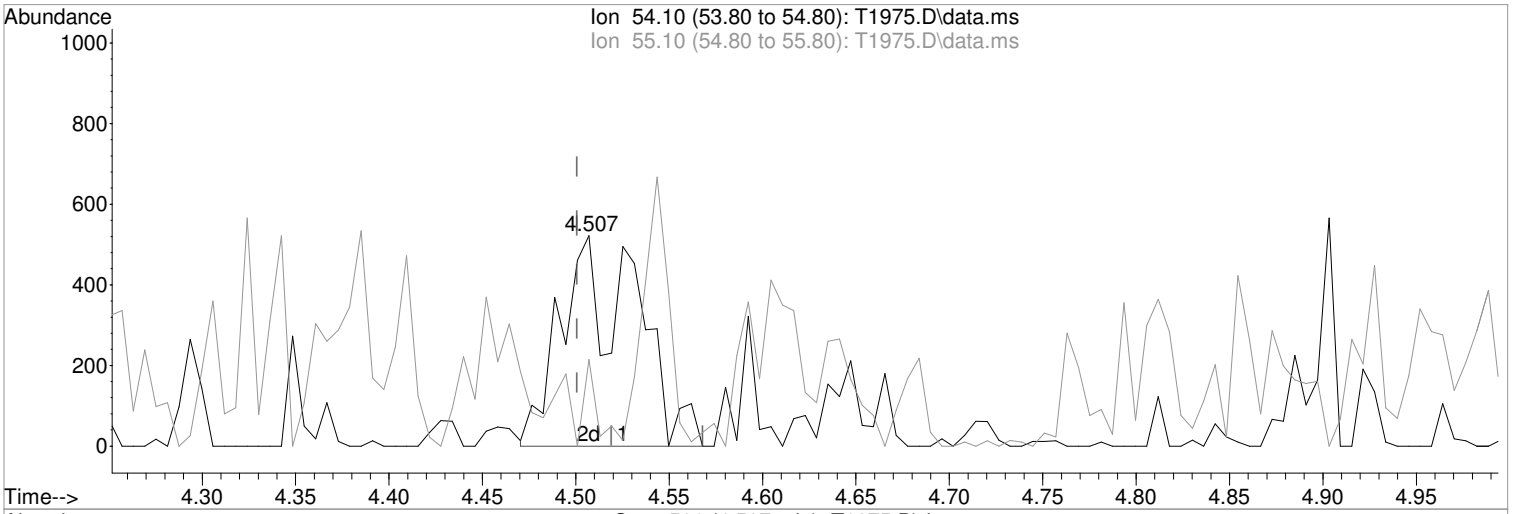
09/17/20

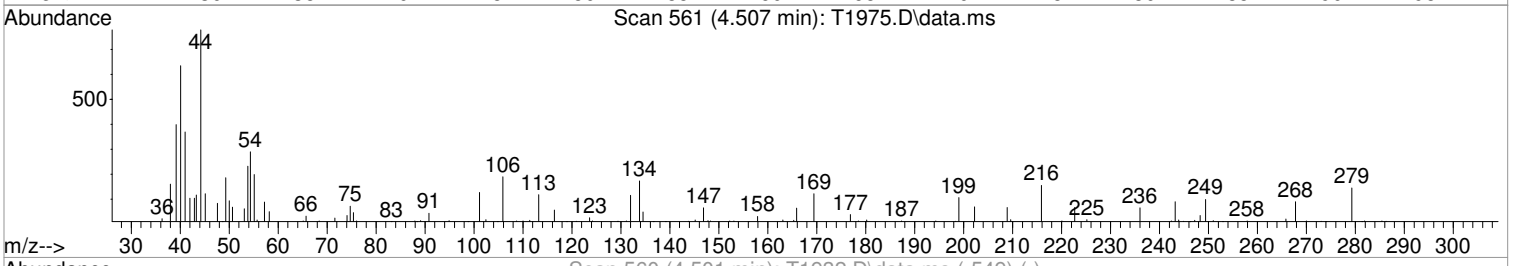
1st FW 09/18/20
2nd WR 09/19/20

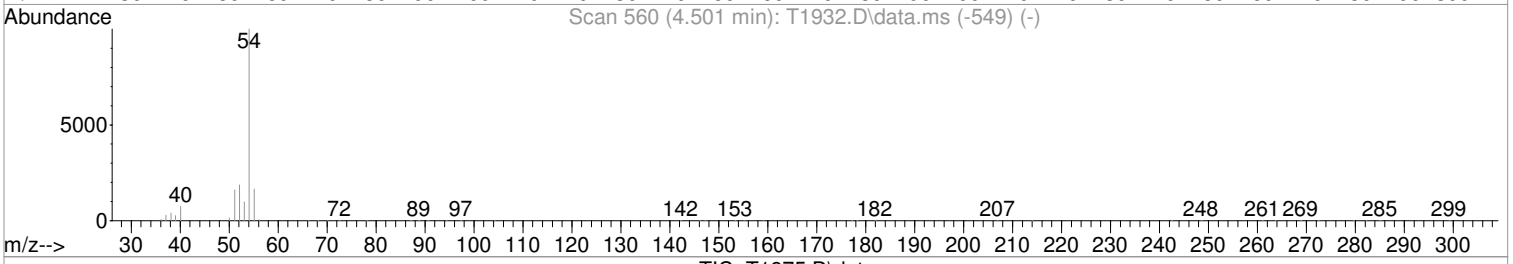
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(35) Propionitrile

4.507min (+0.006) 3.45 ug/L m

response 1451

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	68.28#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

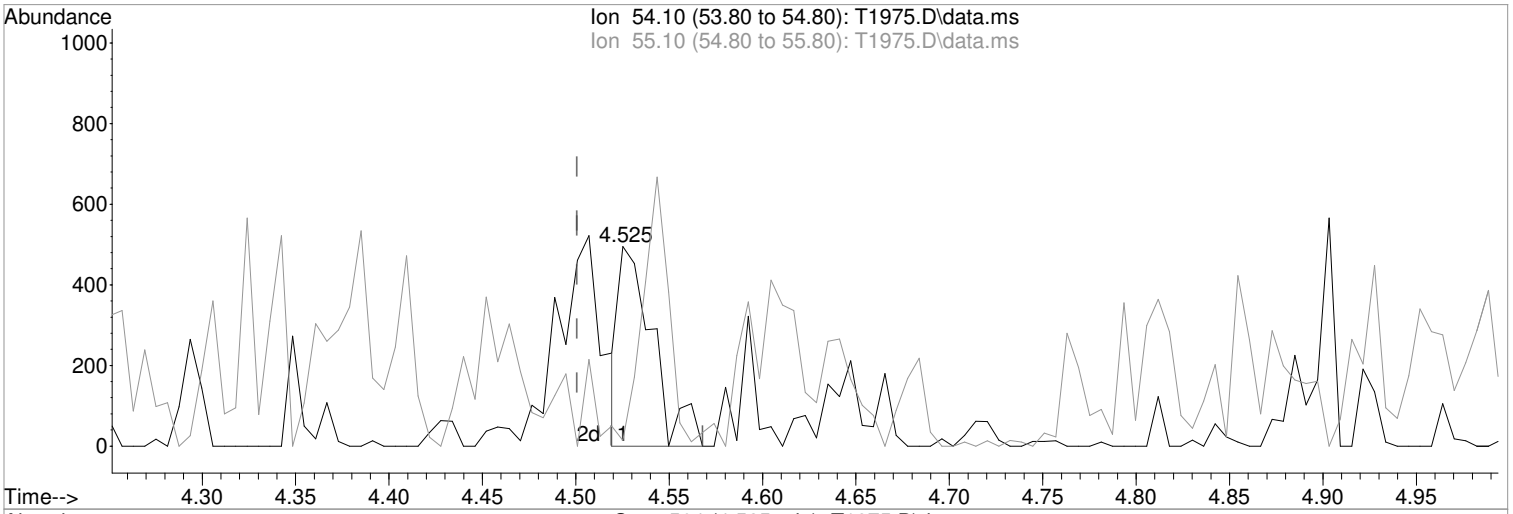
Peak not found.

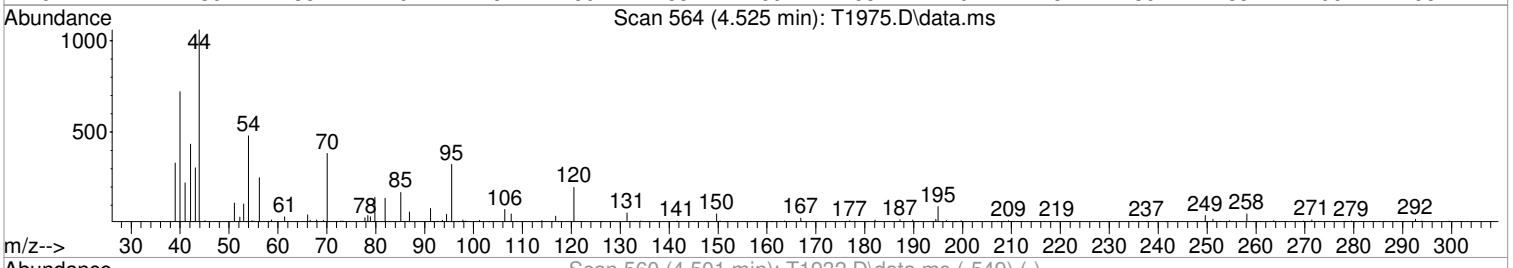
09/17/20

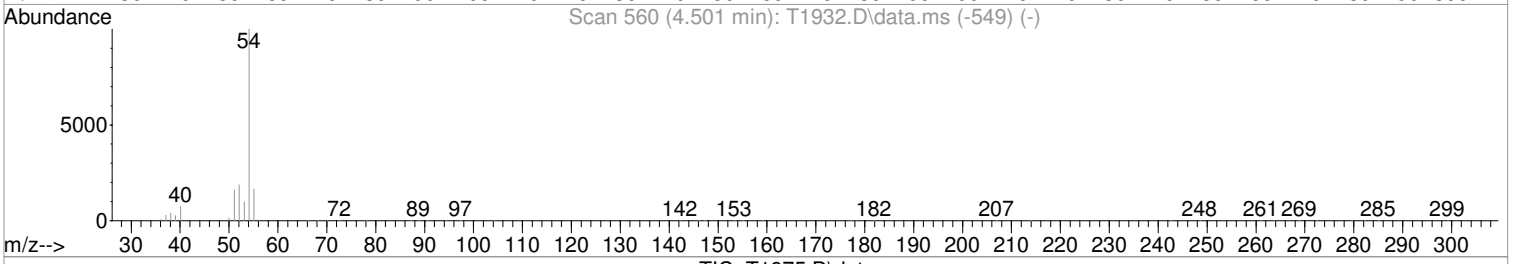
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(35) Propionitrile

4.525min (+0.024) 1.50 ug/L

response 631

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	2.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

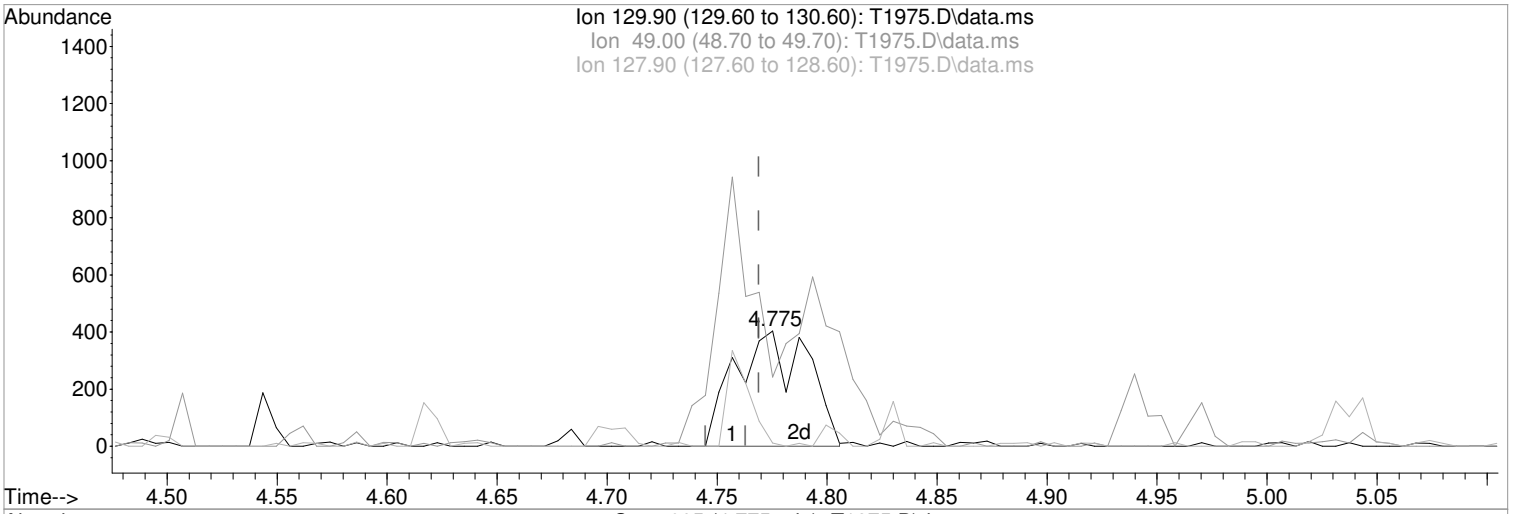
Before

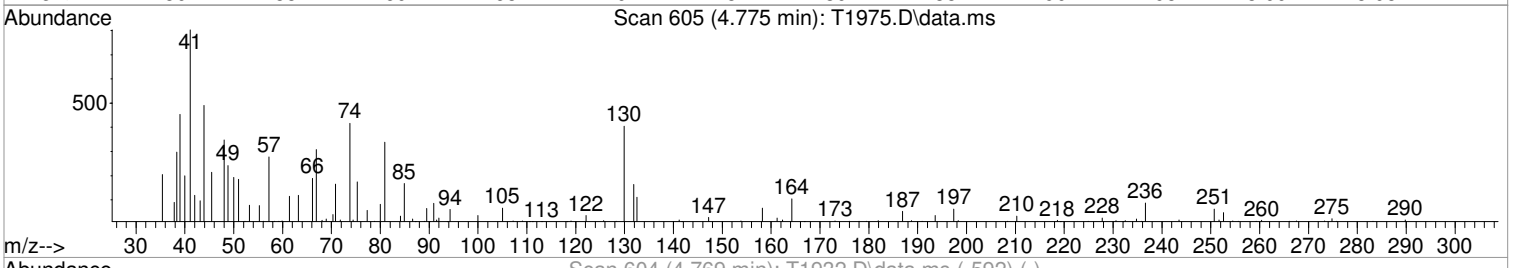
09/17/20

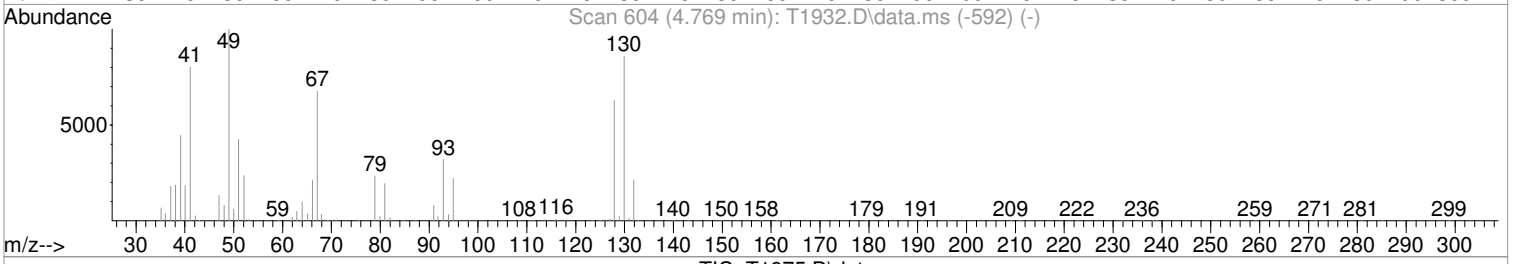
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(36) Bromochloromethane

4.775min (+0.006) 0.61 ug/L m

response 923

Ion	Exp%	Act%
129.90	100	100
49.00	116.60	59.90#
127.90	73.10	2.72#
0.00	0.00	0.00

Manual Integration:

After

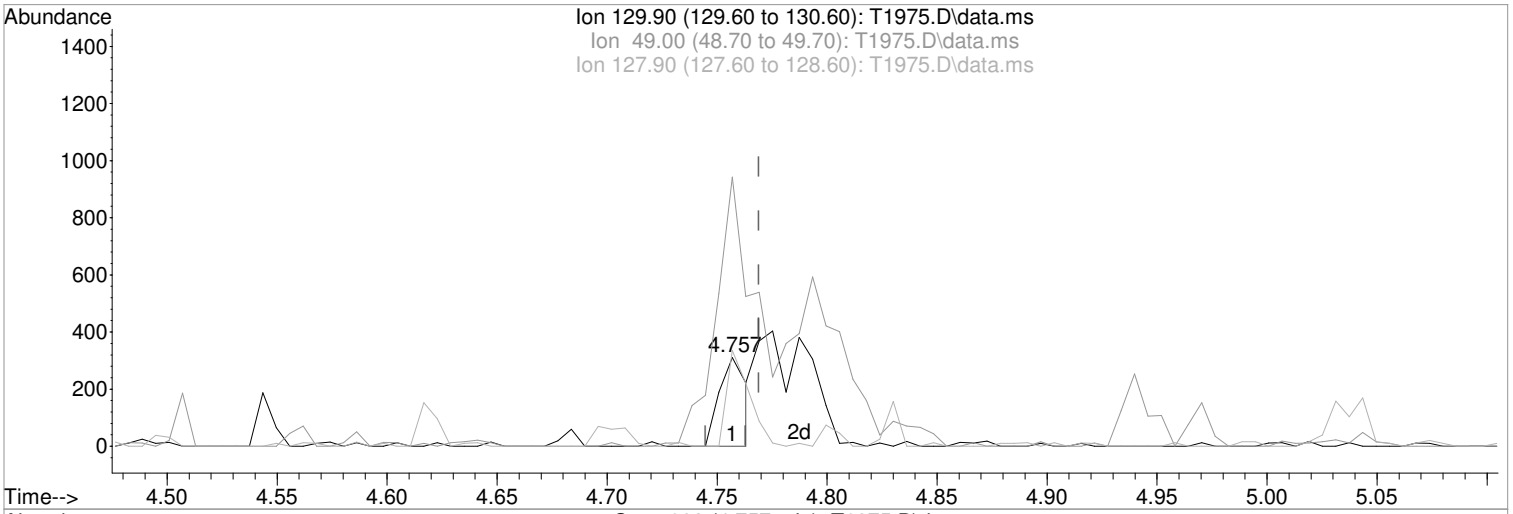
Poor integration.

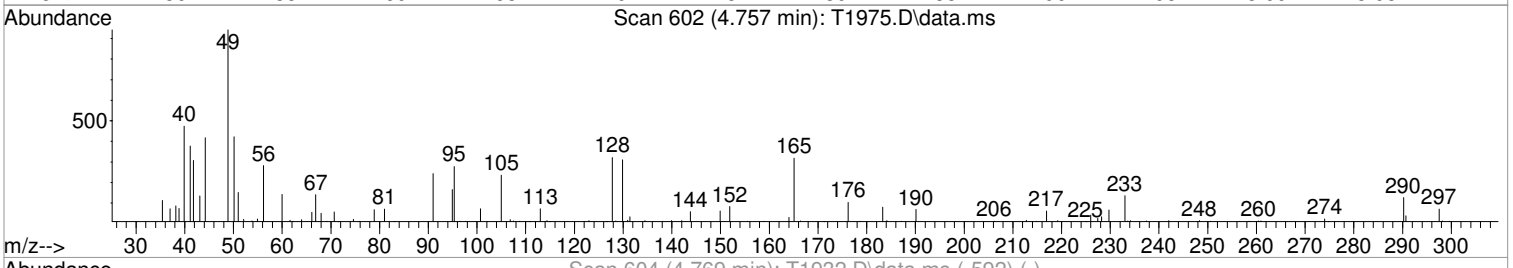
09/17/20

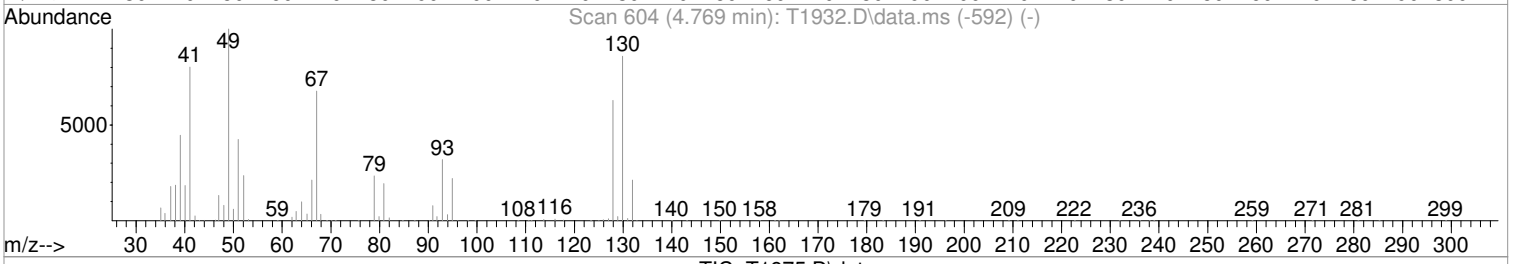
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(36) Bromochloromethane

4.757min (-0.012) 0.17 ug/L

response 264

Ion	Exp%	Act%
129.90	100	100
49.00	116.60	302.89#
127.90	73.10	107.72#
0.00	0.00	0.00

Manual Integration:

Before

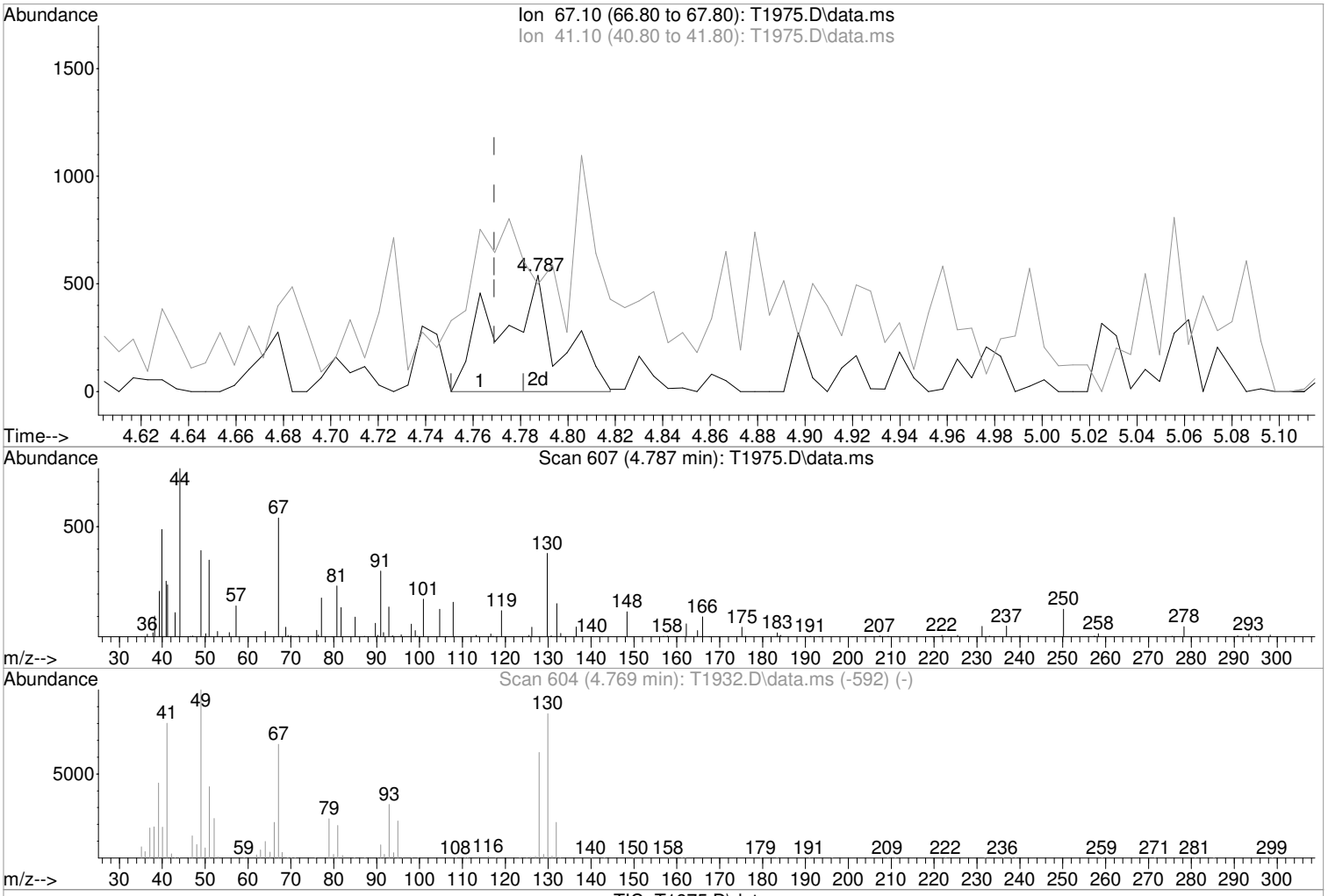
09/17/20

1st FW 09/18/20
2nd WR 09/19/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration



TIC: T1975.D\data.ms

(37) Methacrylonitrile

4.787min (+0.018) 0.79 ug/L m

response 971

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	47.68#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

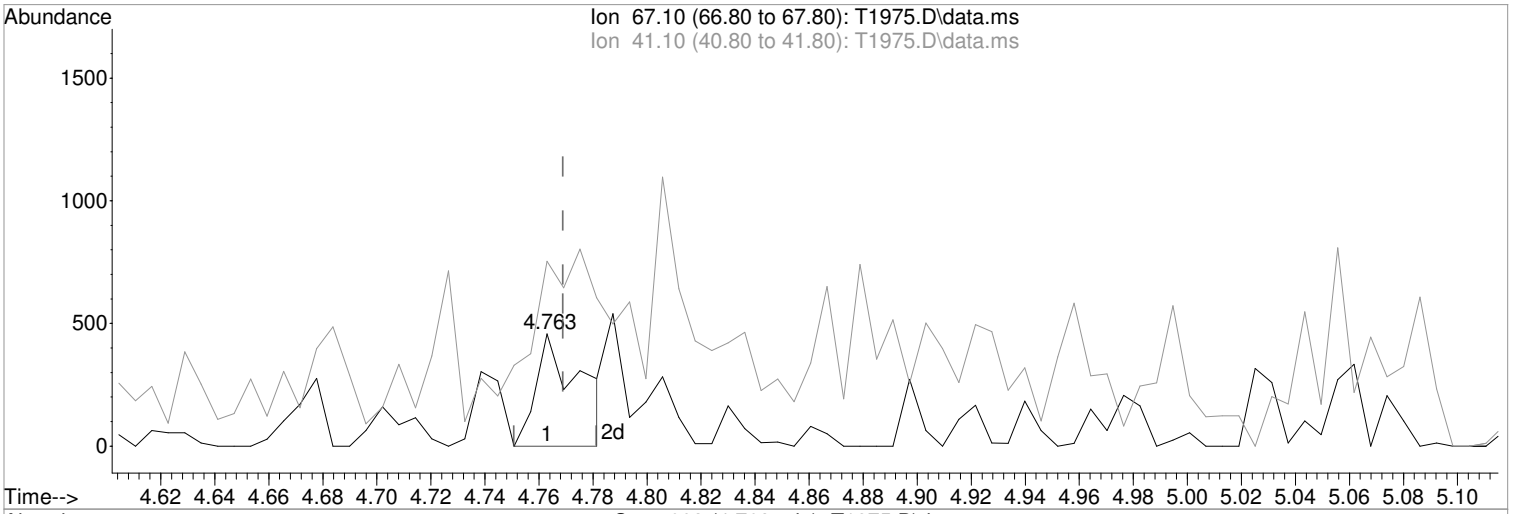
Poor integration.

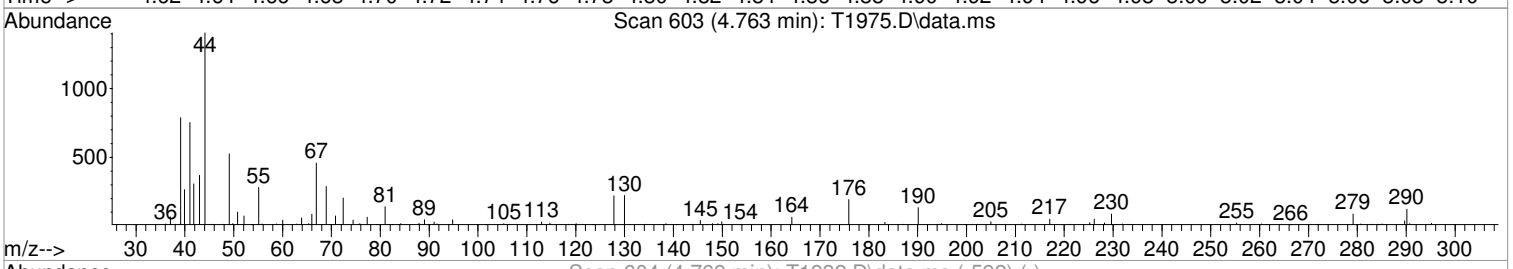
09/17/20

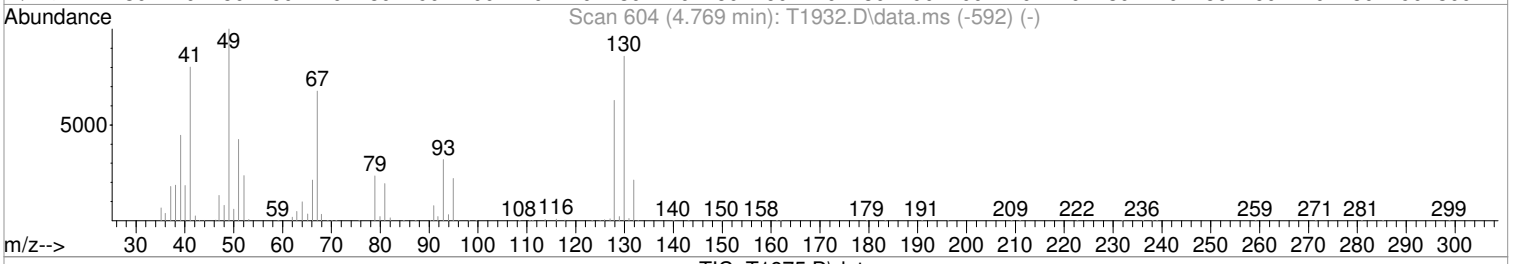
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(37) Methacrylonitrile

4.763min (-0.006) 0.42 ug/L

response 516

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	231.73#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

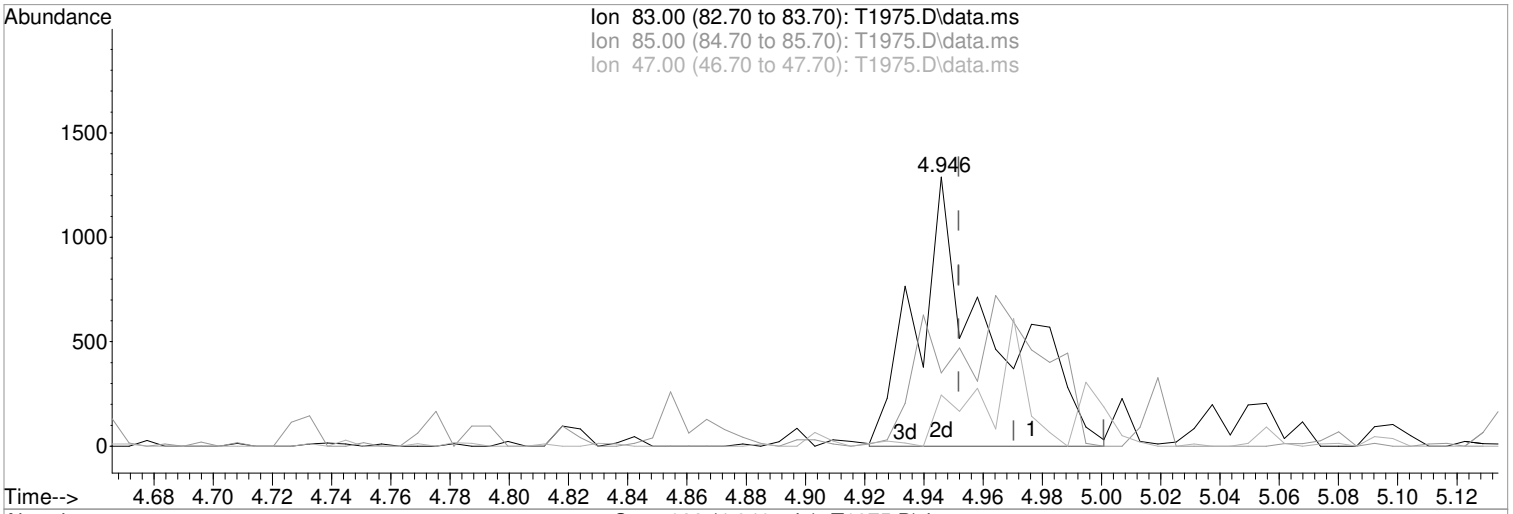
Before

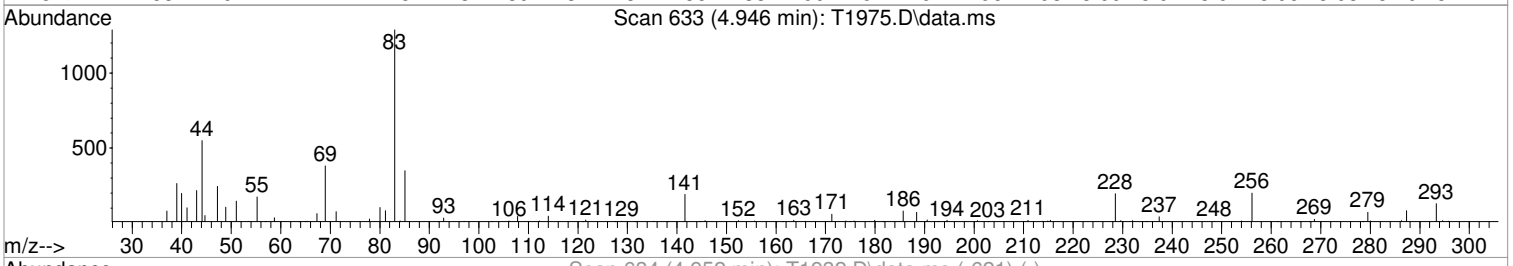
09/17/20

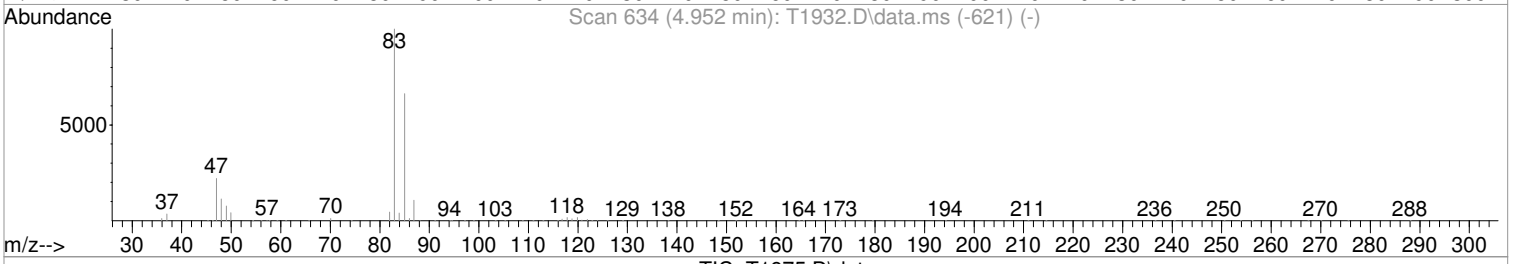
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(39) Chloroform (P)

4.946min (-0.006) 0.55 ug/L m

response 2297

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	27.17#
47.00	22.10	19.02
0.00	0.00	0.00

Manual Integration:

After

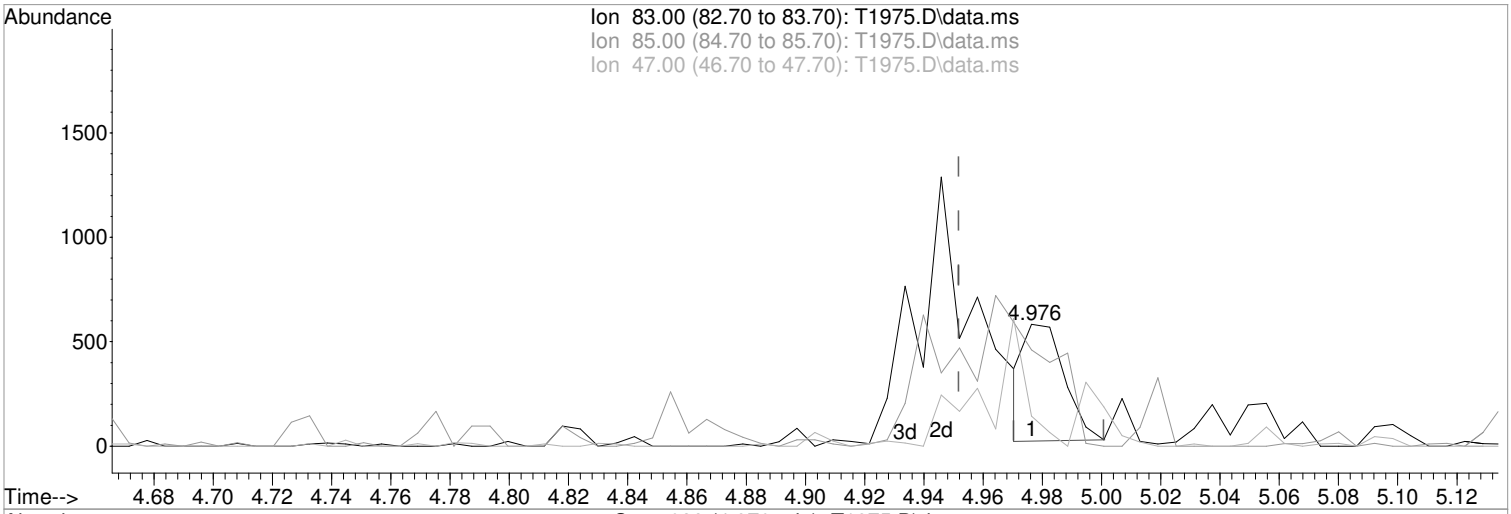
Poor integration.

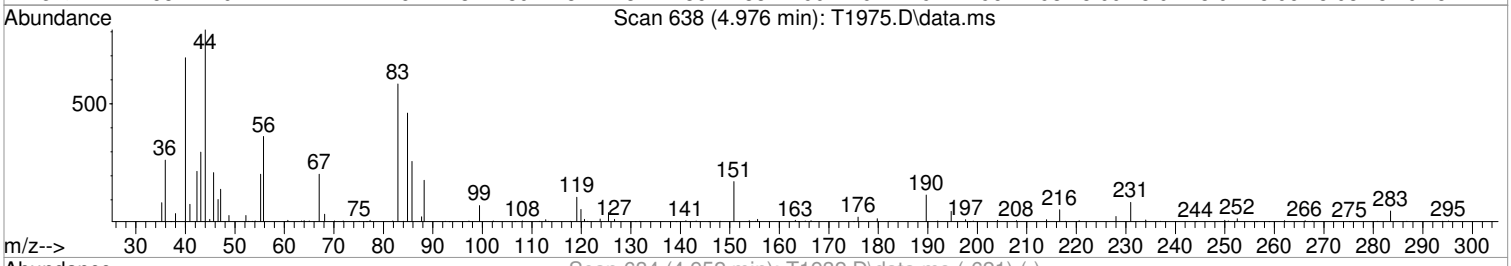
09/17/20

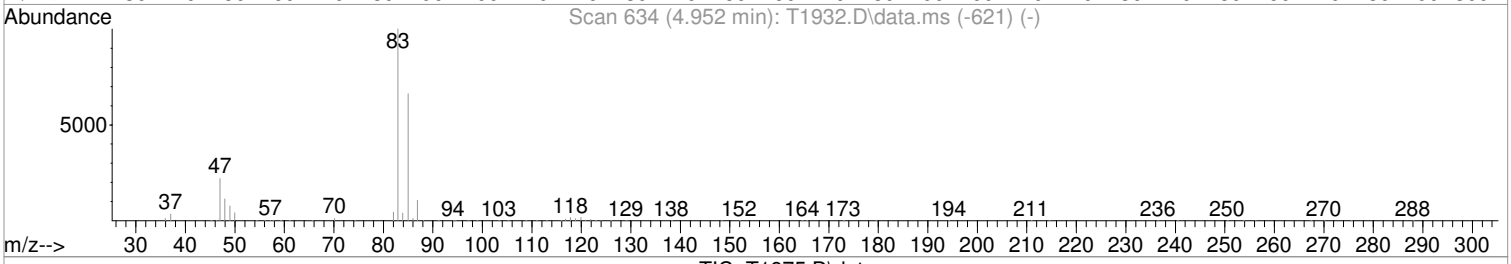
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(39) Chloroform (P)

4.976min (+0.025) 0.12 ug/L

response 520

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	79.07
47.00	22.10	24.70
0.00	0.00	0.00

Manual Integration:

Before

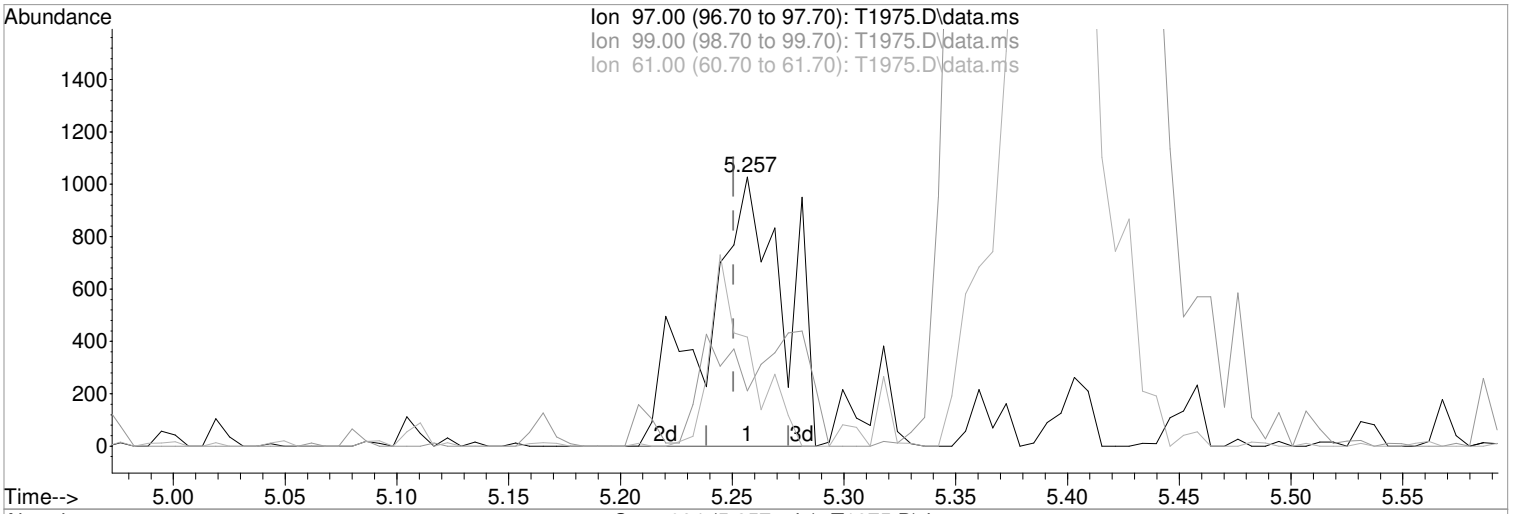
09/17/20

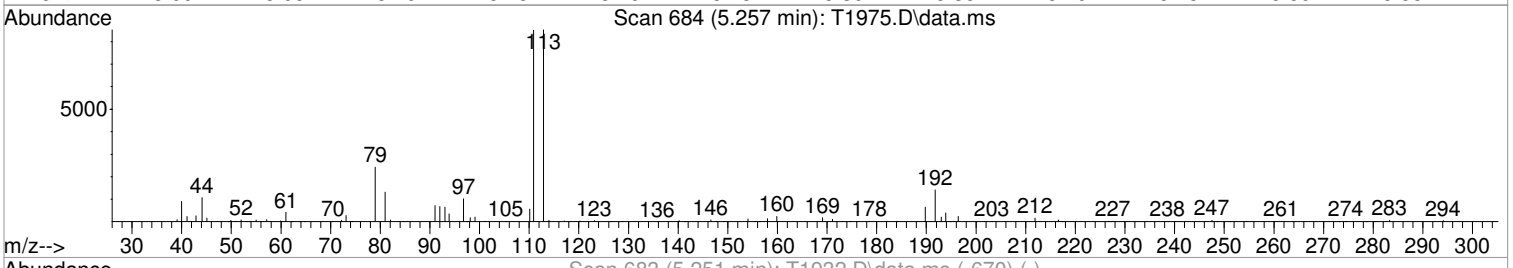
1st FW 09/18/20
2nd WR 09/19/20

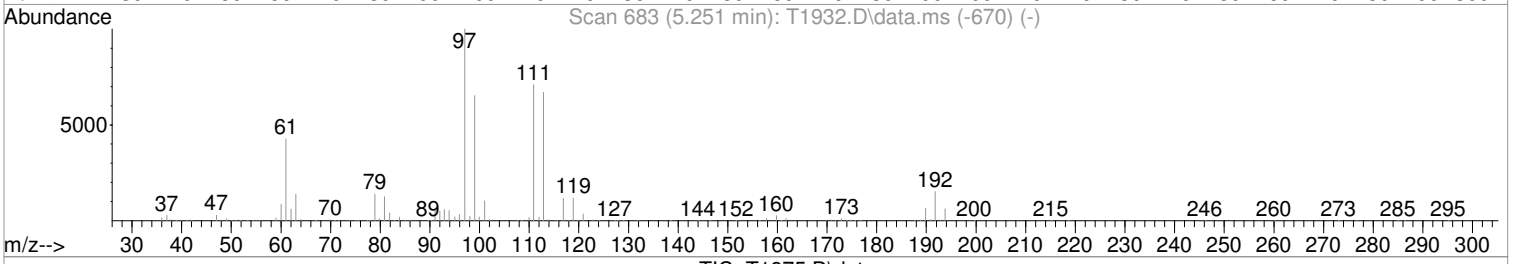
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

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

5.257min (+0.006) 0.67 ug/L m

response 2471

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	20.77#
61.00	42.70	40.94
0.00	0.00	0.00

Manual Integration:

After

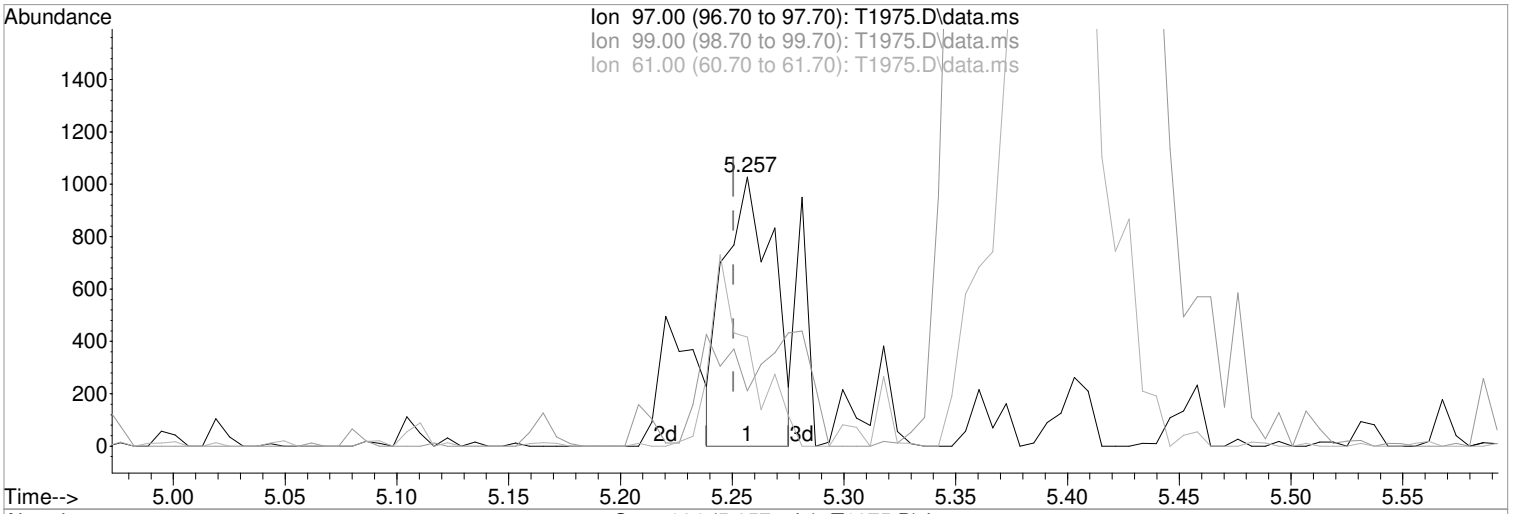
Poor integration.

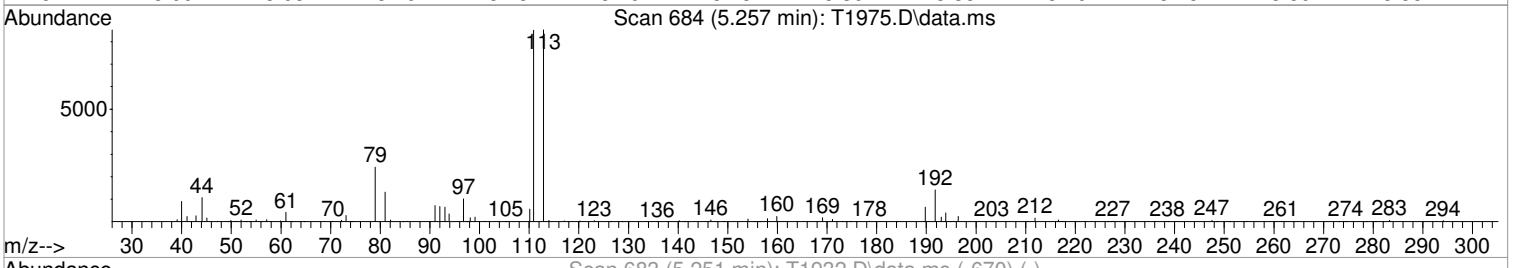
09/17/20

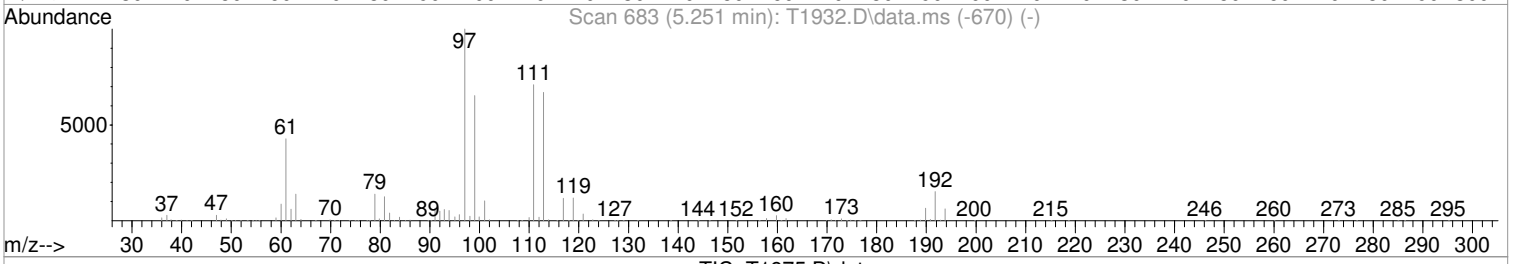
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

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

5.257min (+0.006) 0.43 ug/L

response 1558

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	20.55#
61.00	42.70	40.51
0.00	0.00	0.00

Manual Integration:

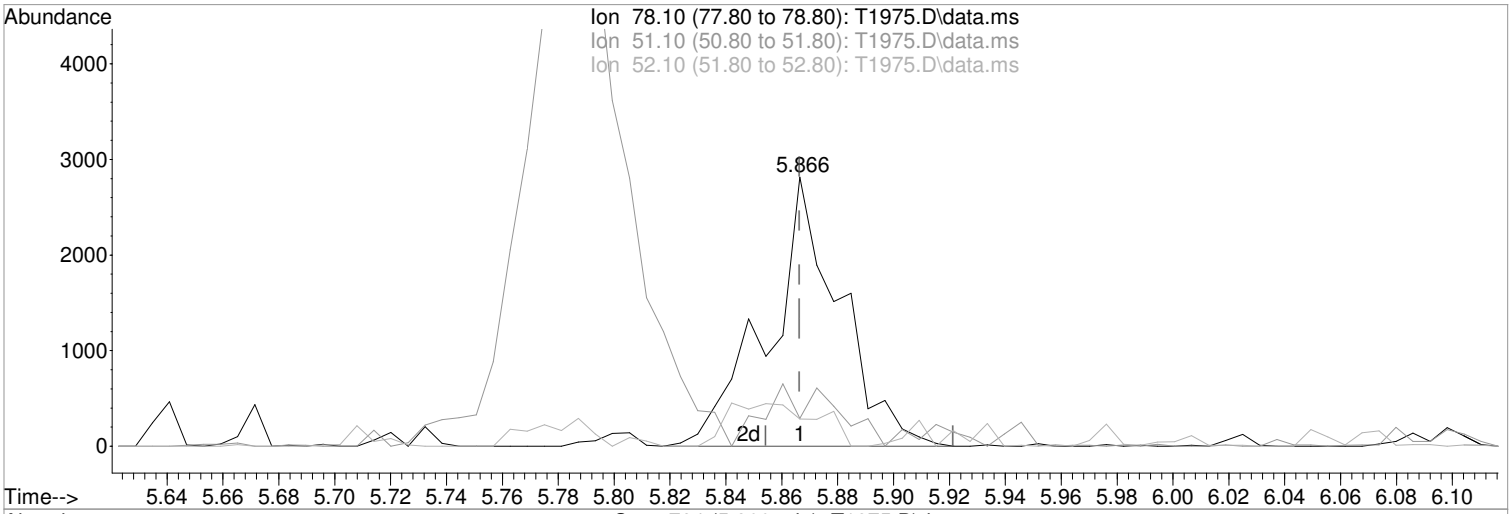
Before

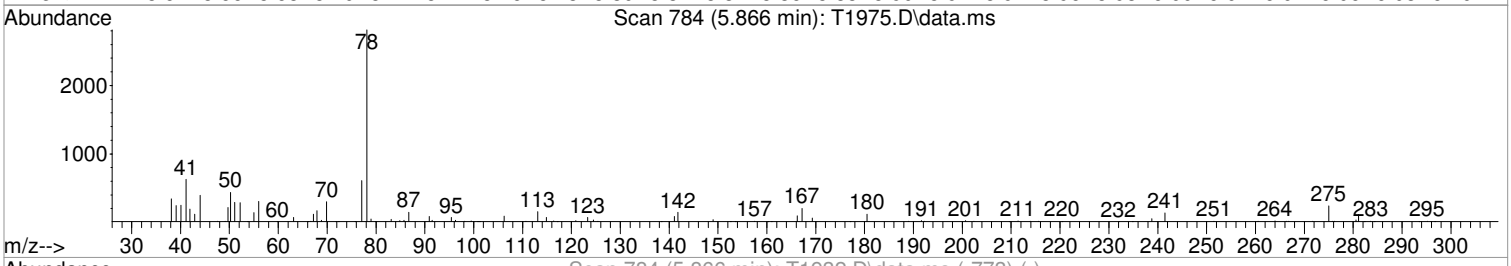
09/17/20

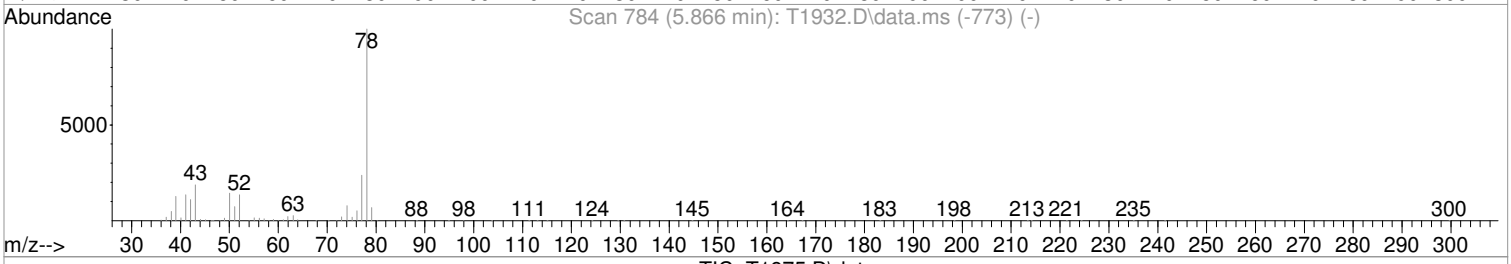
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(47) Benzene (P)

5.866min (+0.000) 0.51 ug/L m

response 5017

Ion	Exp%	Act%
78.10	100	100
51.10	14.70	10.41
52.10	13.60	10.16
0.00	0.00	0.00

Manual Integration:

After

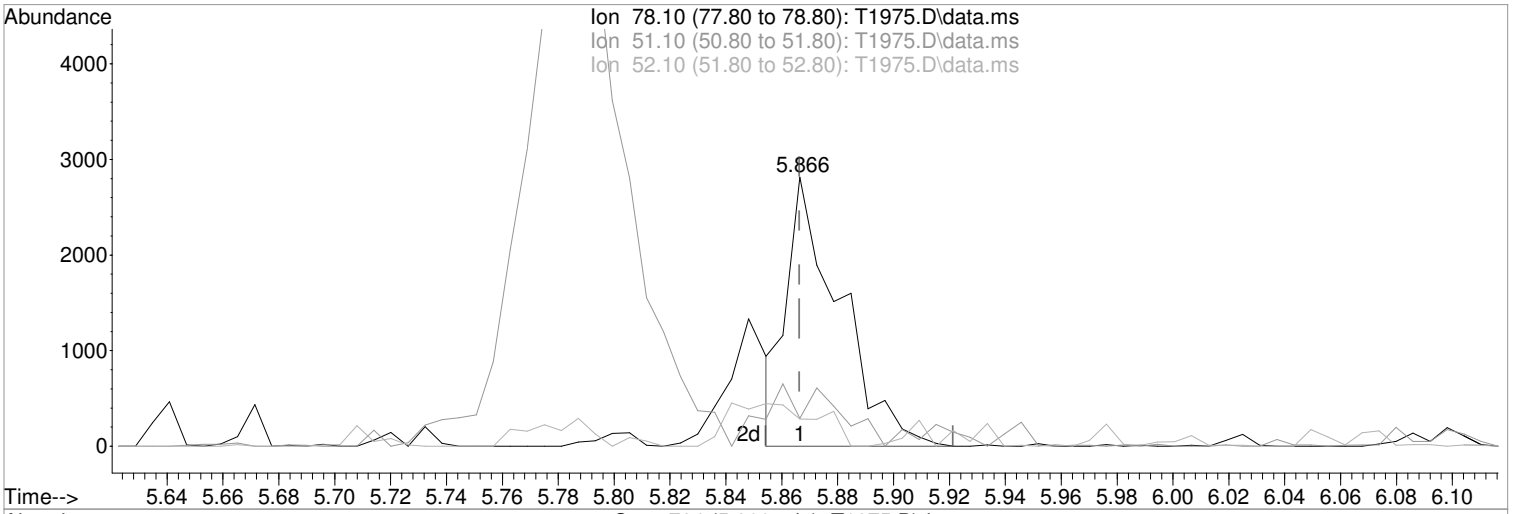
Poor integration.

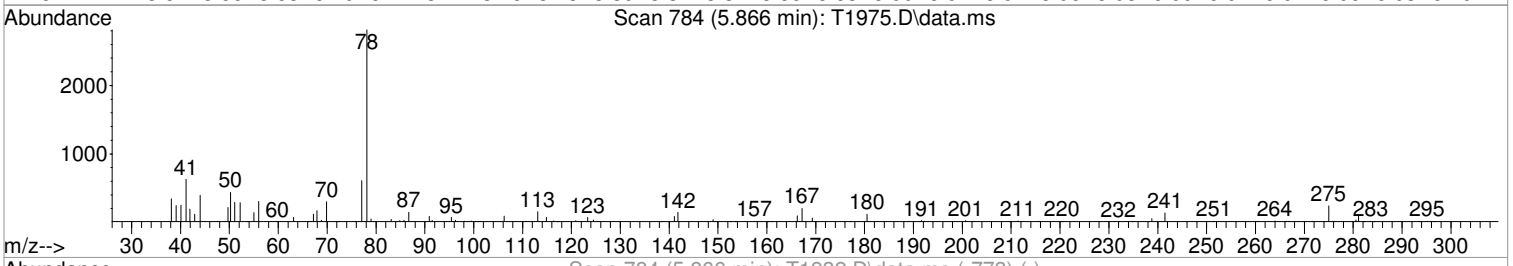
09/17/20

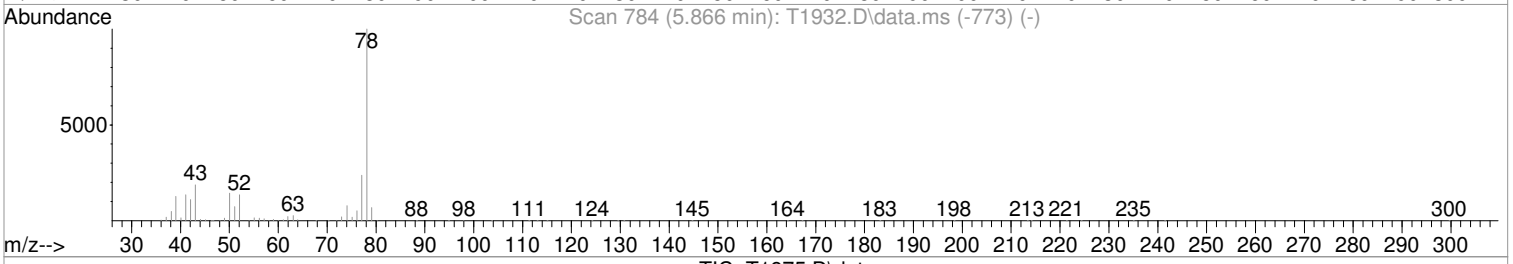
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(47) Benzene (P)

5.866min (+0.000) 0.38 ug/L

response 3718

Ion	Exp%	Act%
78.10	100	100
51.10	14.70	10.41
52.10	13.60	10.16
0.00	0.00	0.00

Manual Integration:

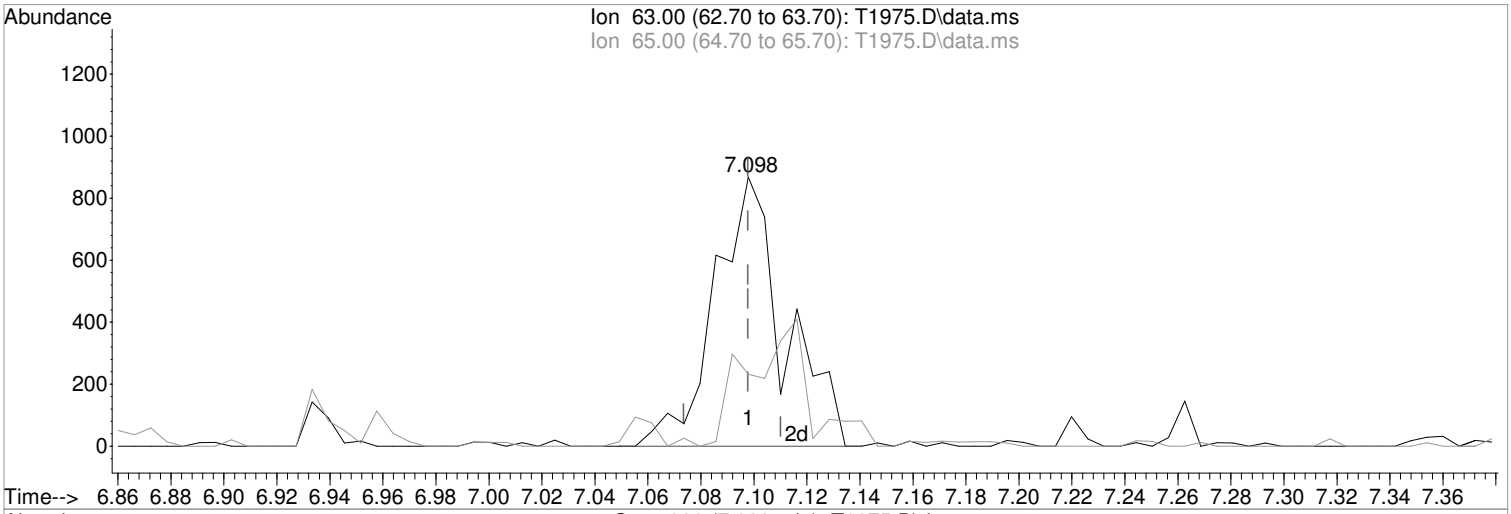
Before

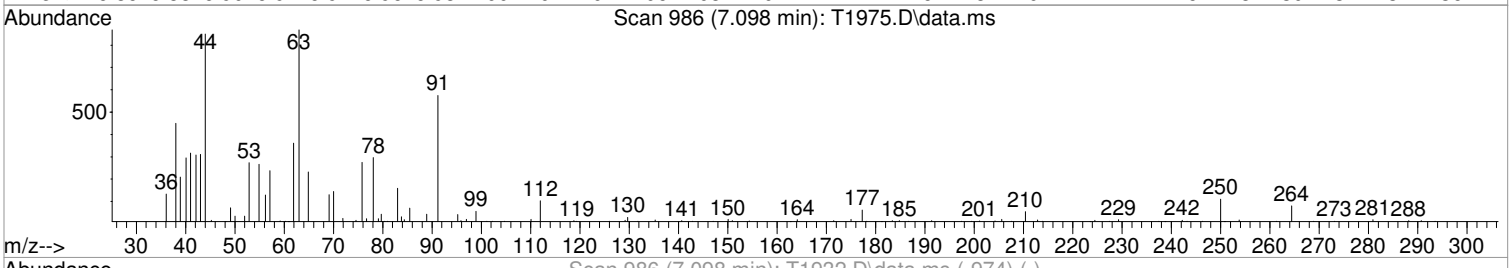
09/17/20

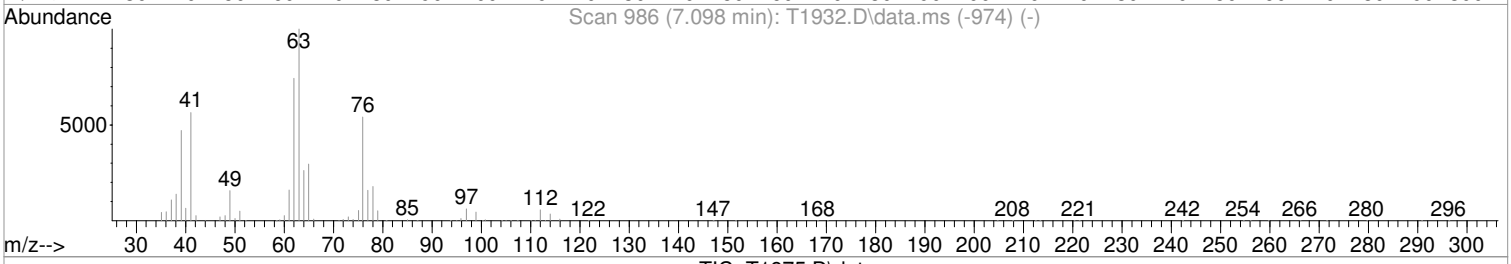
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(55) 1,2-Diclpropane (P)

7.098min (+0.000) 0.67 ug/L m

response 1580

Ion	Exp%	Act%
63.00	100	100
65.00	29.80	26.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

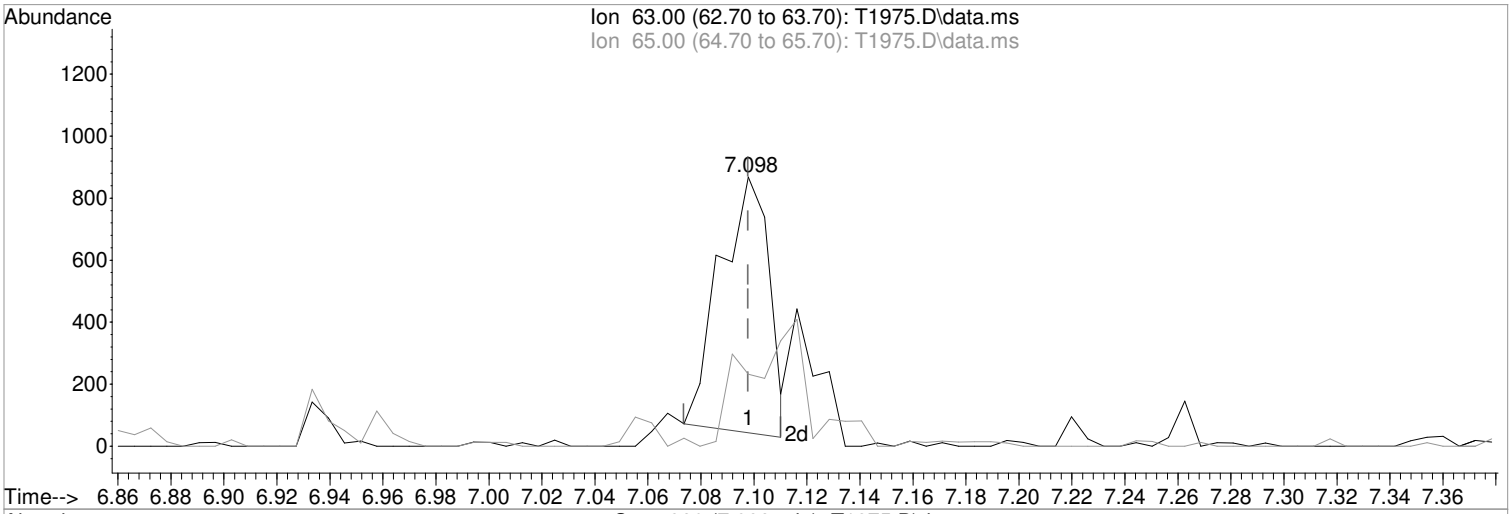
Poor integration.

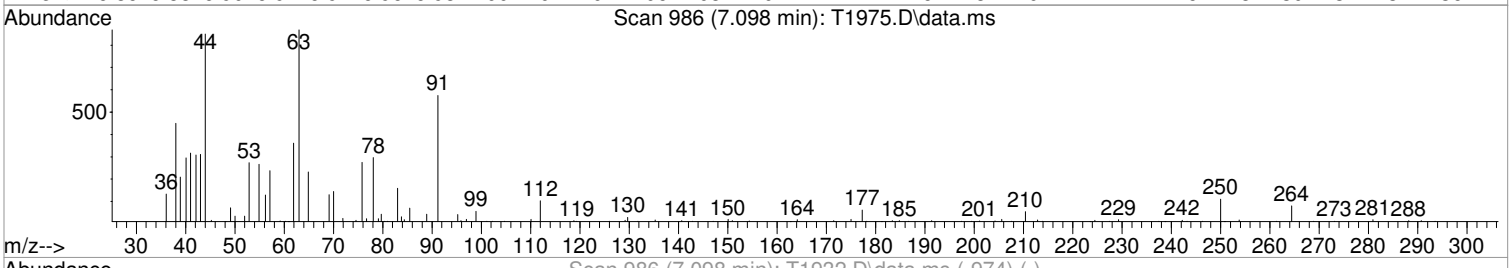
09/17/20

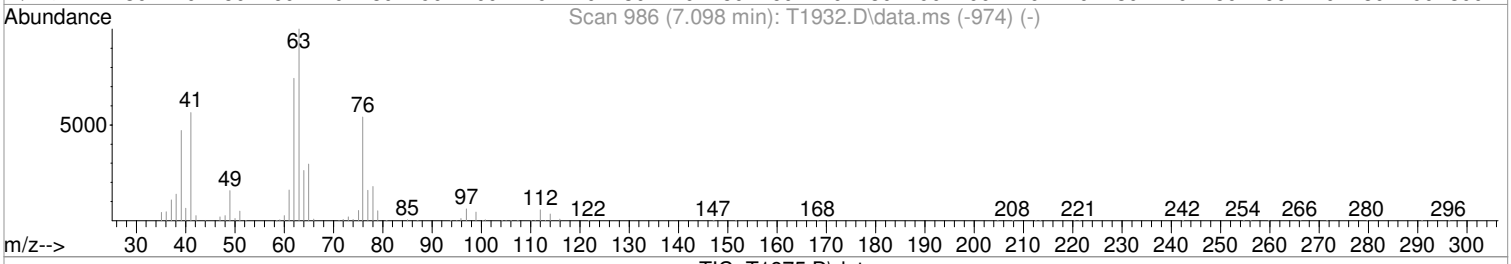
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(55) 1,2-Diclpropane (P)

7.098min (+0.000) 0.45 ug/L

response 1055

Ion	Exp%	Act%
63.00	100	100
65.00	29.80	26.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

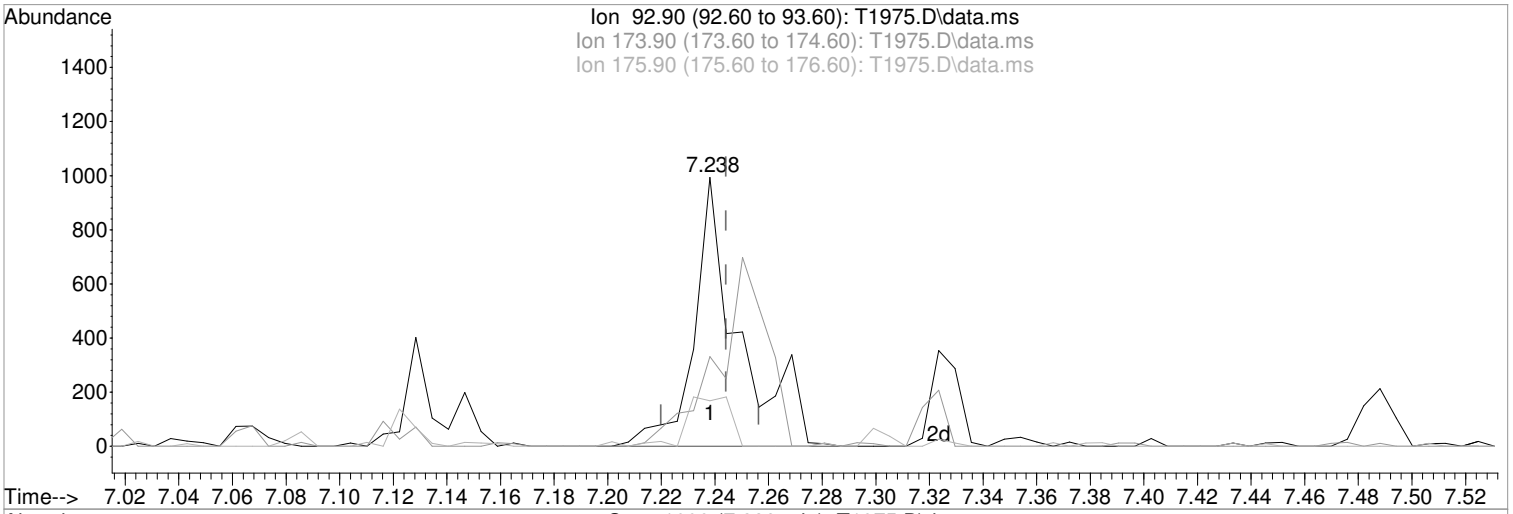
Before

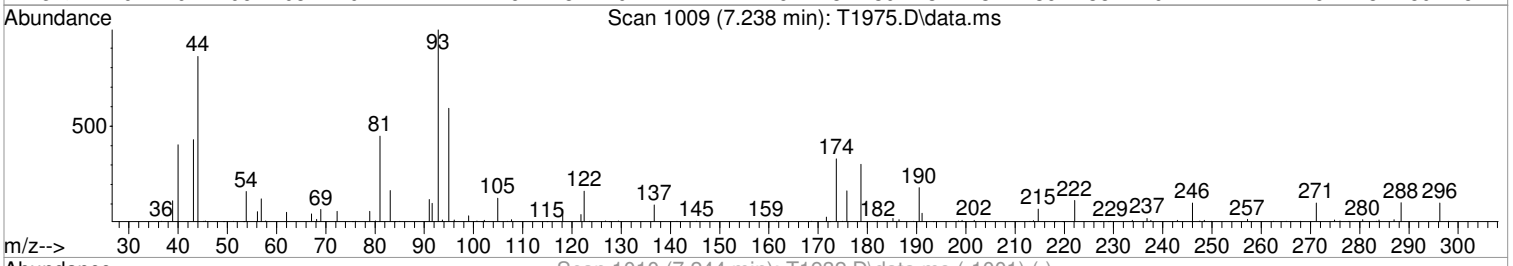
09/17/20

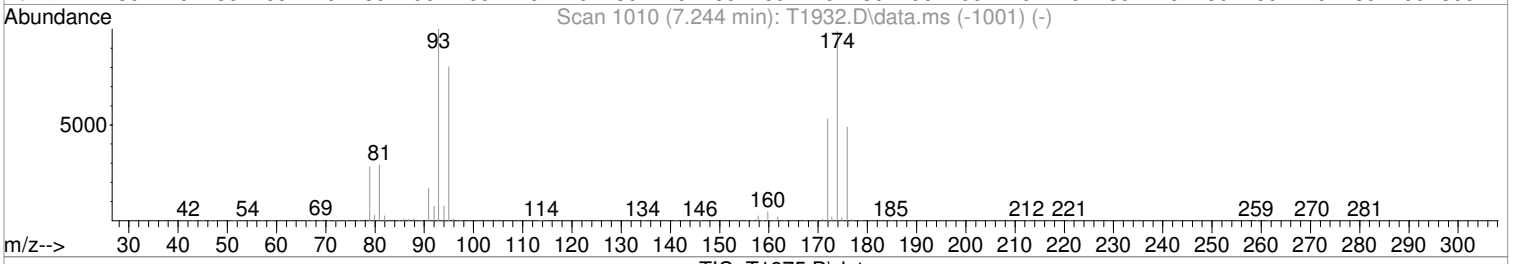
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(56) Dibromomethane

7.238min (-0.006) 0.66 ug/L m

response 1149

Ion	Exp%	Act%
92.90	100	100
173.90	99.00	33.40#
175.90	49.00	16.90#
0.00	0.00	0.00

Manual Integration:

After

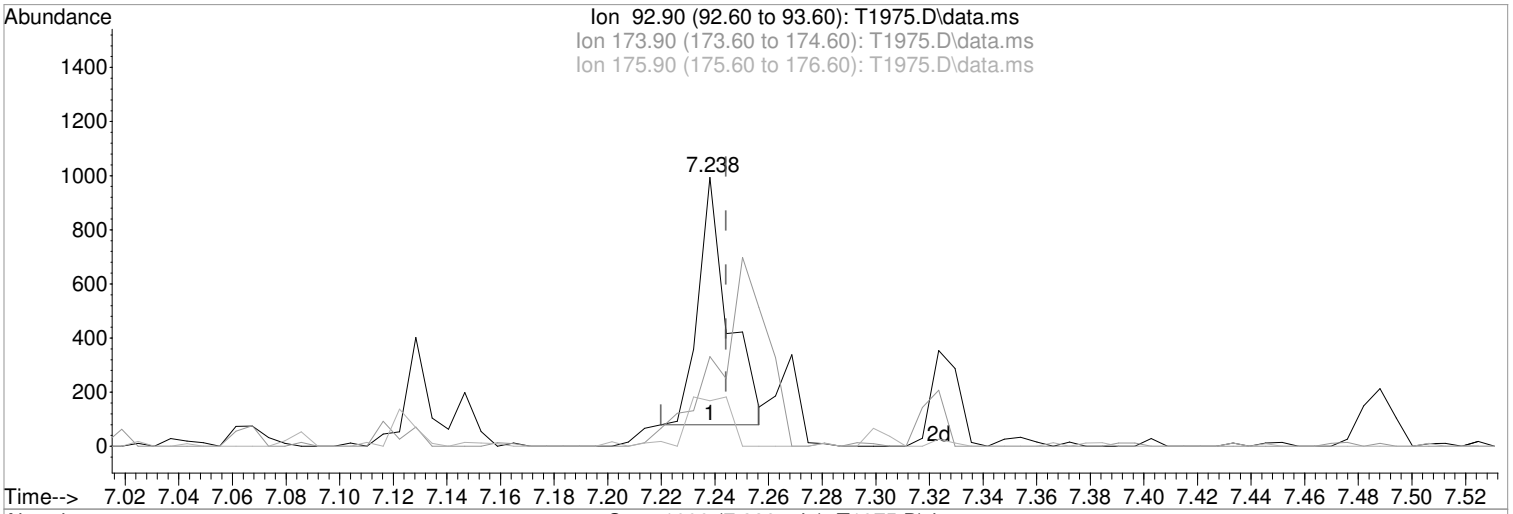
Poor integration.

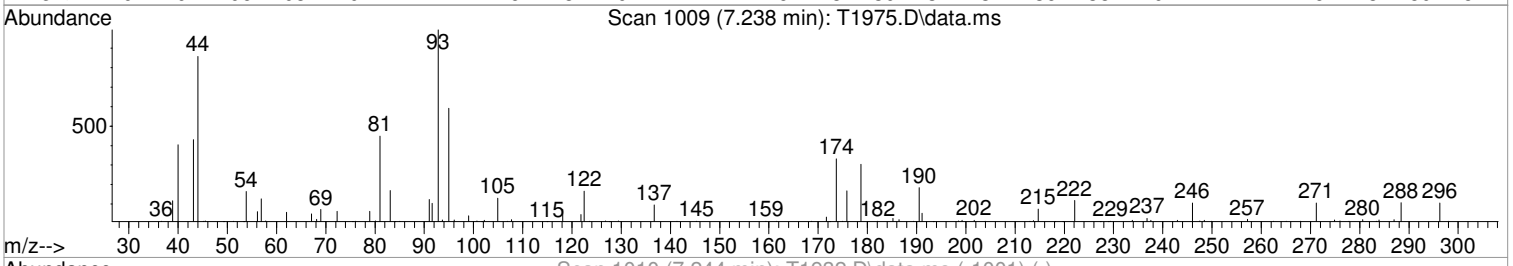
09/17/20

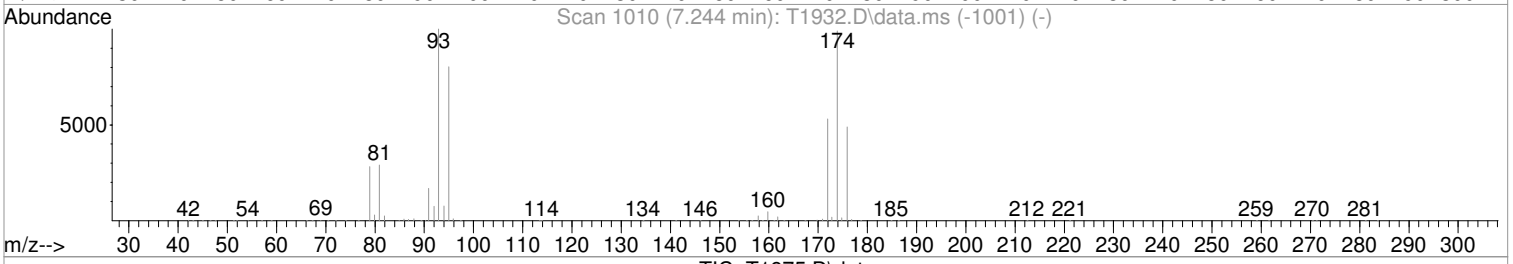
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(56) Dibromomethane

7.238min (-0.006) 0.41 ug/L

response 713

Ion	Exp%	Act%
92.90	100	100
173.90	99.00	33.40#
175.90	49.00	16.90#
0.00	0.00	0.00

Manual Integration:

Before

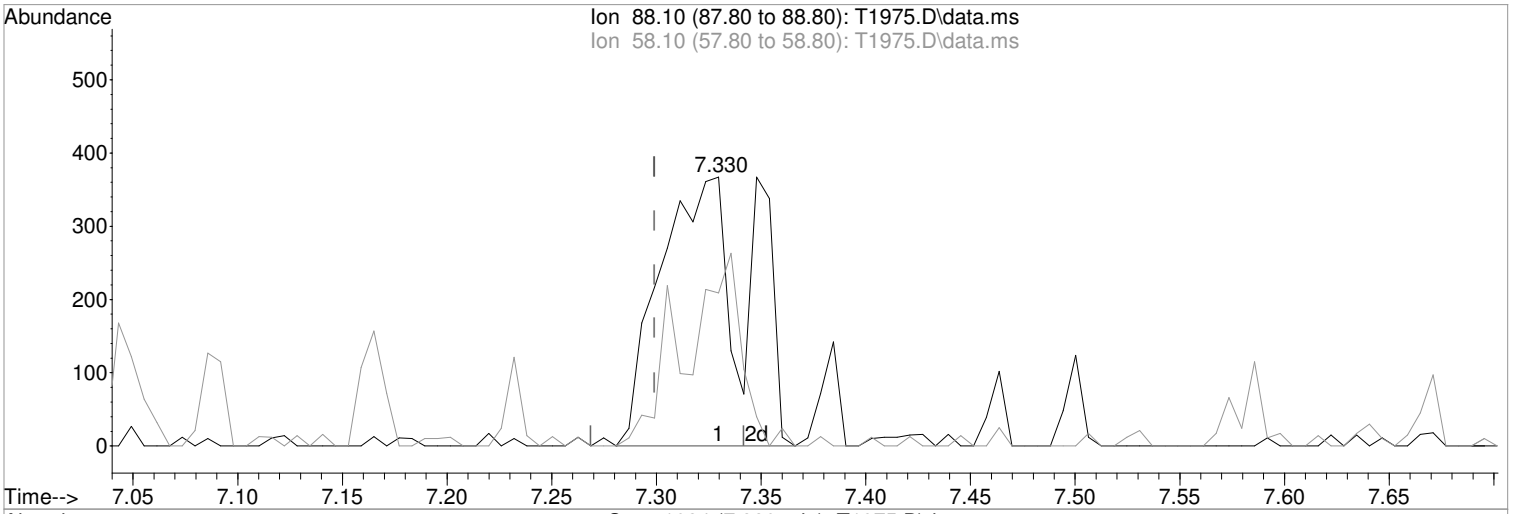
09/17/20

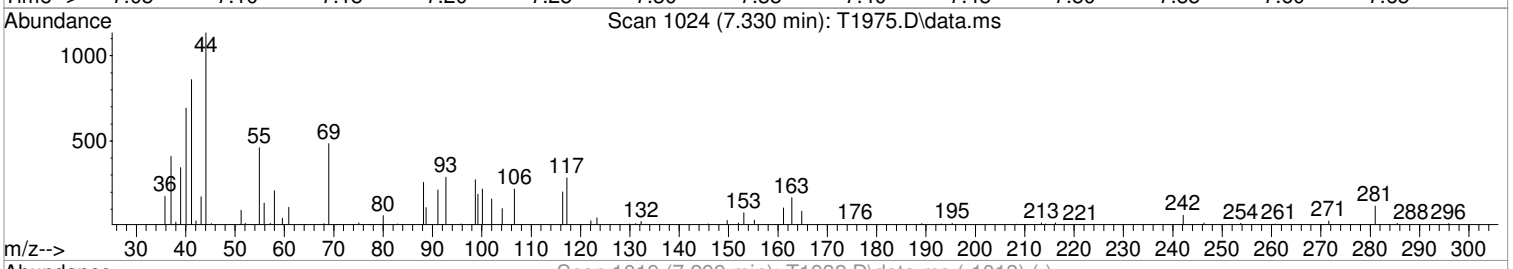
1st FW 09/18/20
2nd 09/19/20

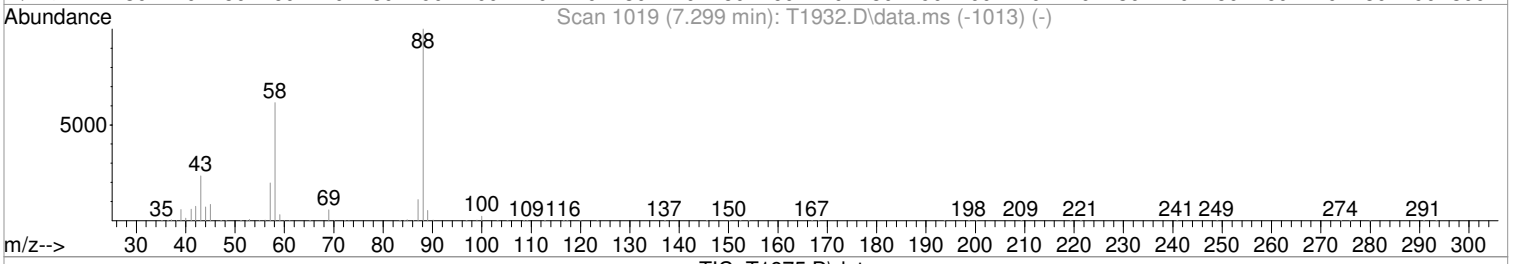
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(57) 1,4-Dioxane

7.330min (+0.031) 21.31 ug/L m

response 1085

Ion	Exp%	Act%
88.10	100	100
58.10	61.40	81.32
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

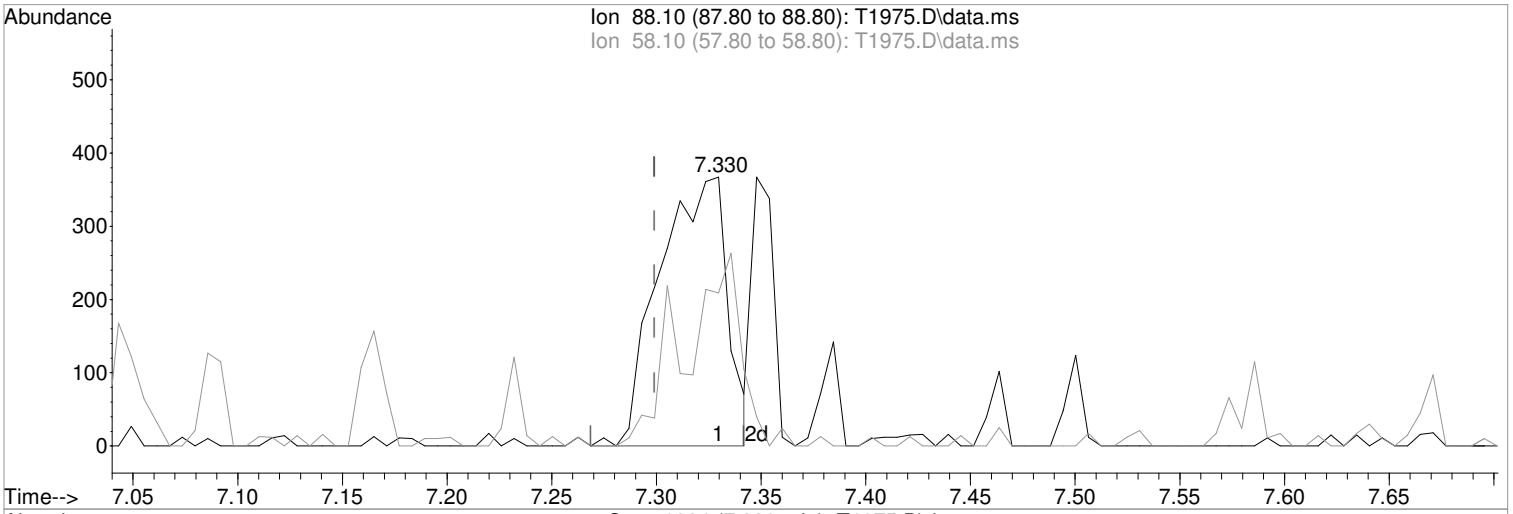
Poor integration.

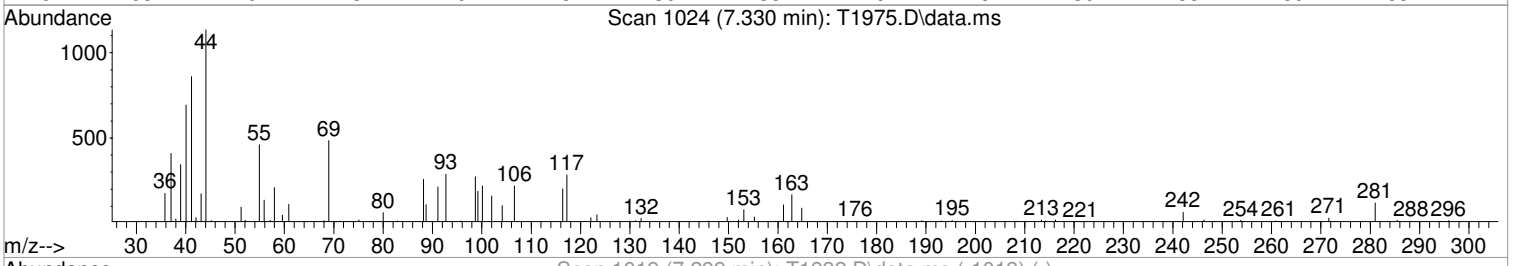
09/17/20

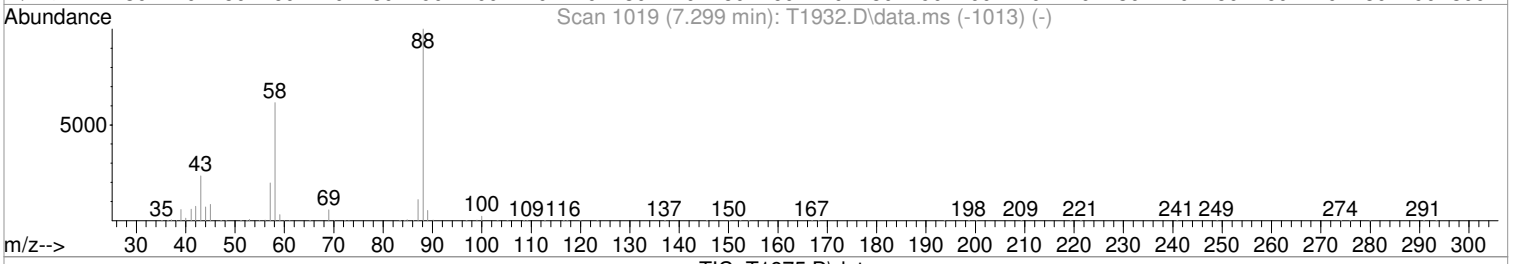
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(57) 1,4-Dioxane

7.330min (+0.031) 16.24 ug/L

response 827

Ion	Exp%	Act%
88.10	100	100
58.10	61.40	56.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

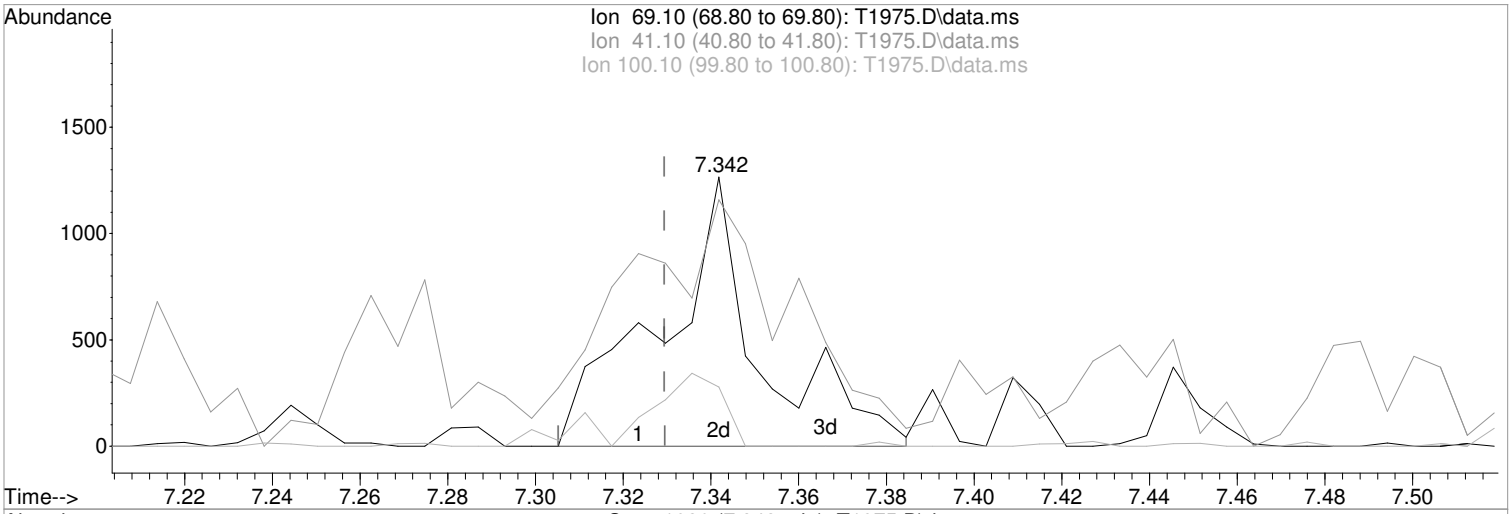
Before

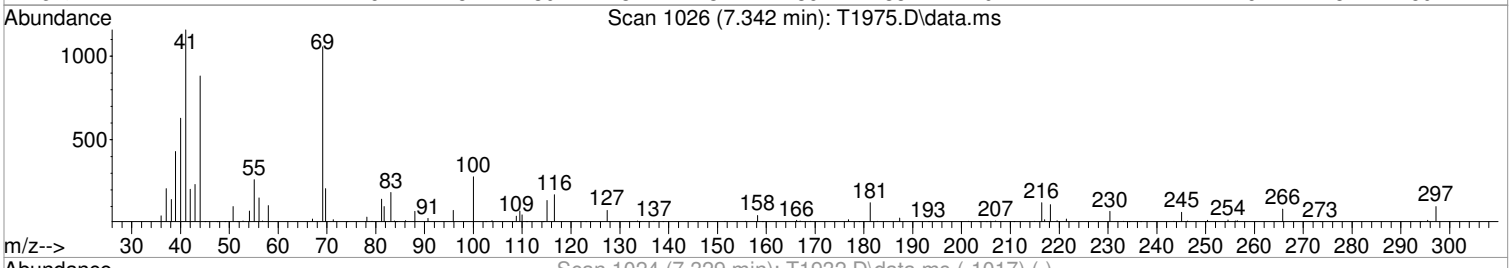
09/17/20

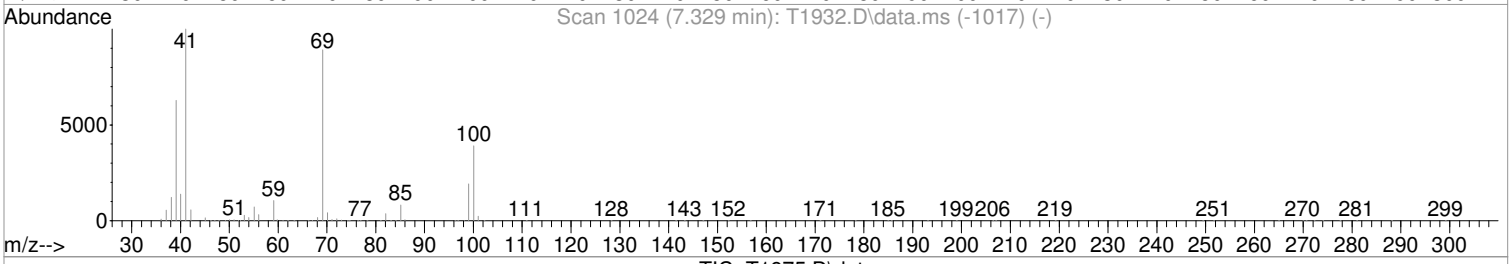
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.012) 0.86 ug/L m

response 1991

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	109.56
100.10	43.80	26.30
0.00	0.00	0.00

Manual Integration:

After

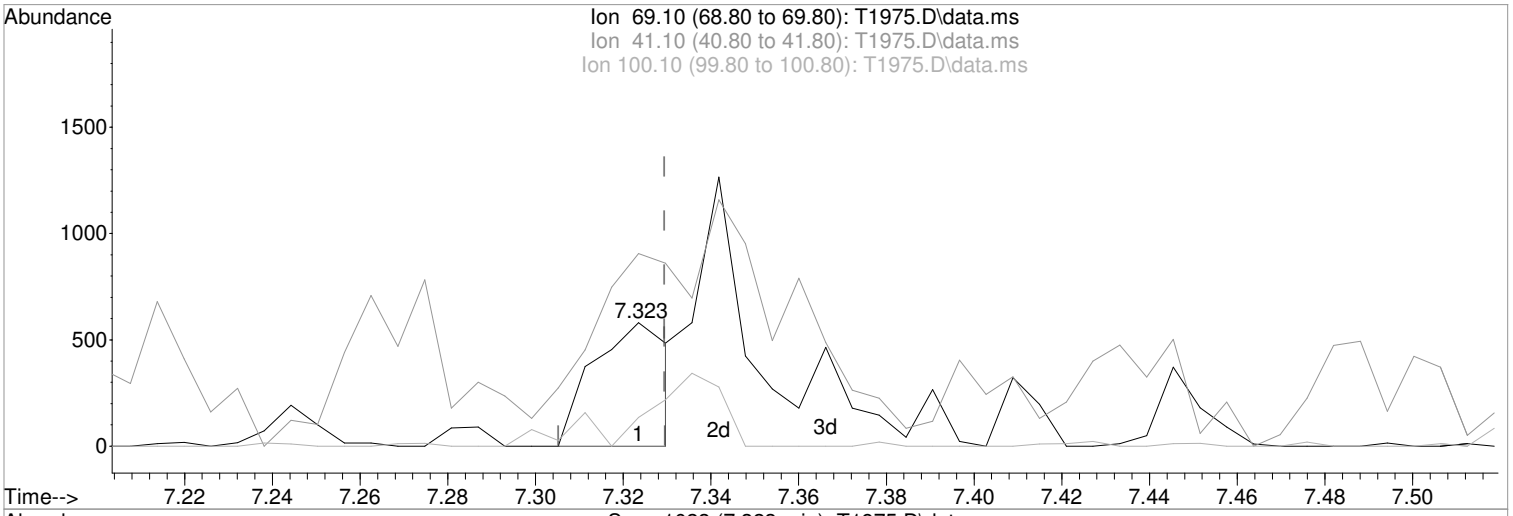
Poor integration.

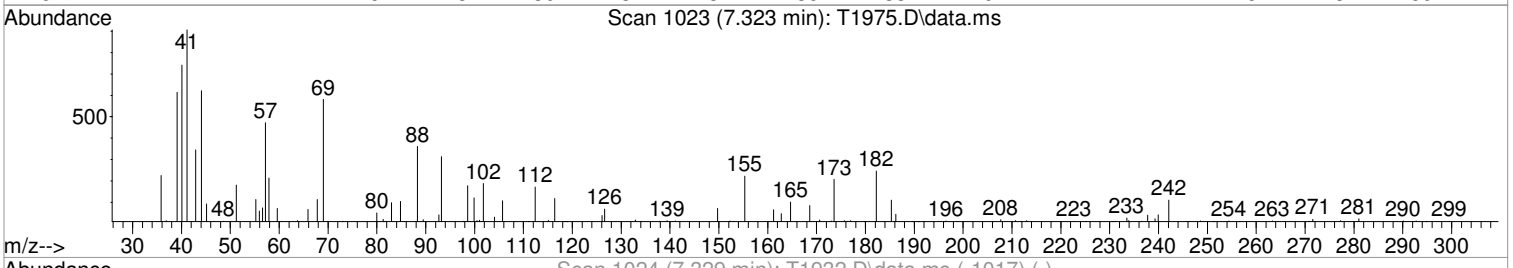
09/17/20

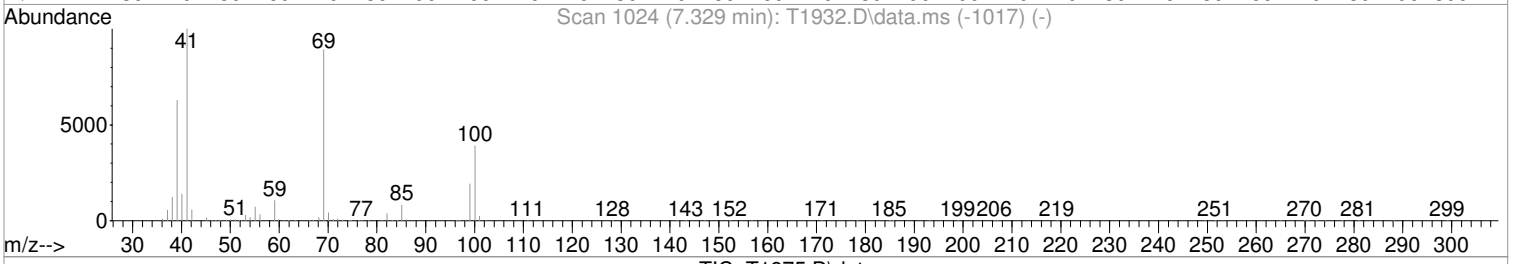
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(58) Methyl Methacrylate

7.323min (-0.006) 0.30 ug/L

response 693

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	155.94#
100.10	43.80	23.24#
0.00	0.00	0.00

Manual Integration:

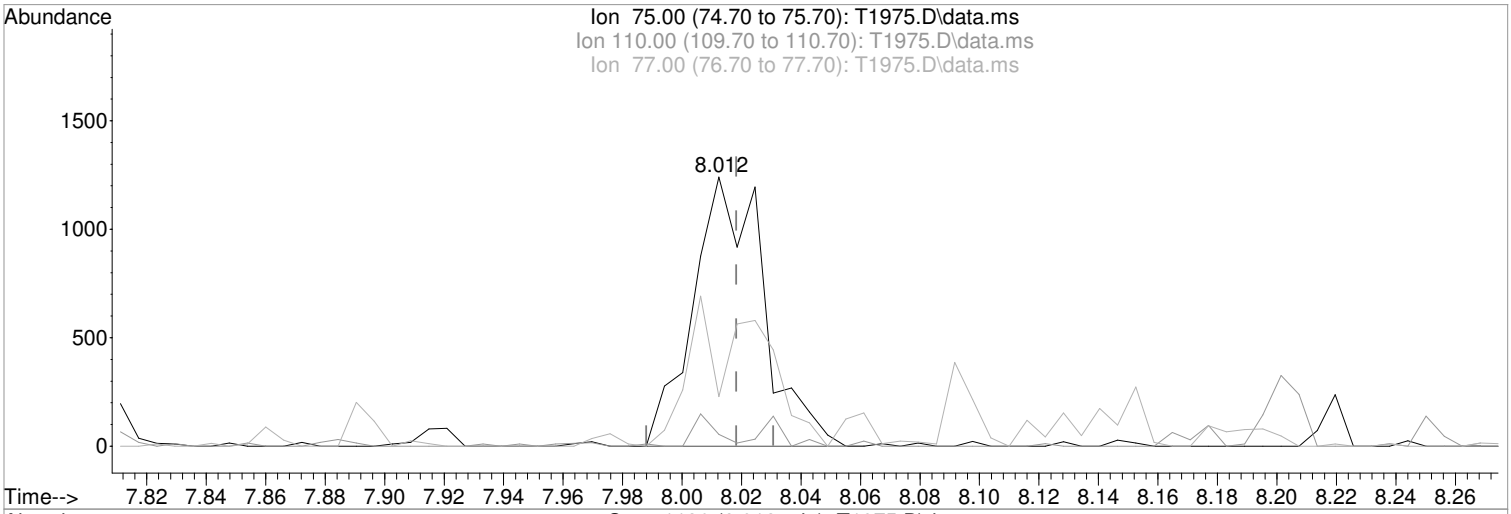
Before

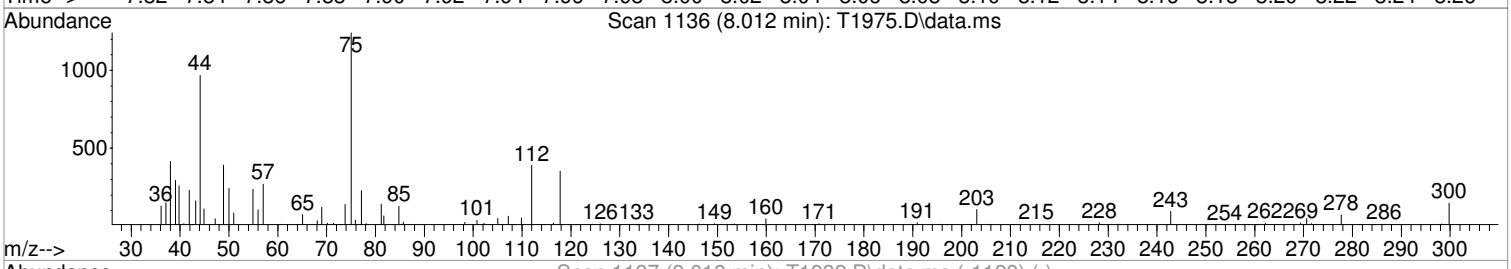
09/17/20

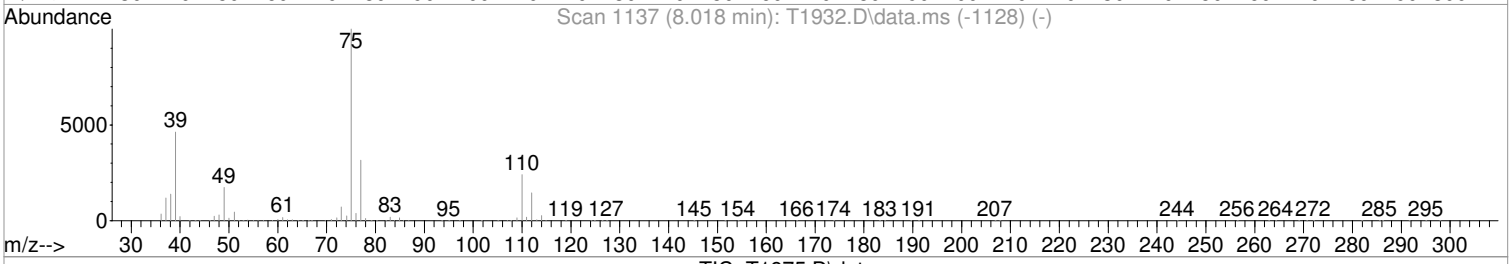
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(62) cis-1,3-Dichloropropene (P)

8.012min (-0.006) 0.50 ug/L m

response 2037

Ion	Exp%	Act%
75.00	100	100
110.00	24.10	4.35
77.00	31.50	18.39
0.00	0.00	0.00

Manual Integration:

After

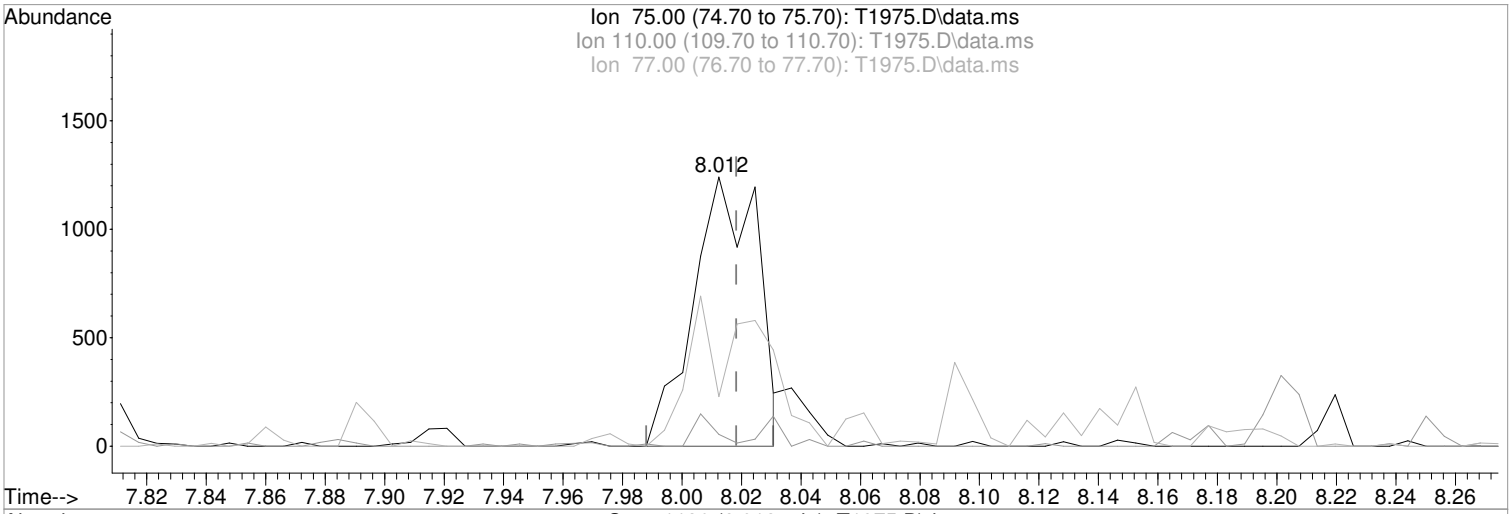
Poor integration.

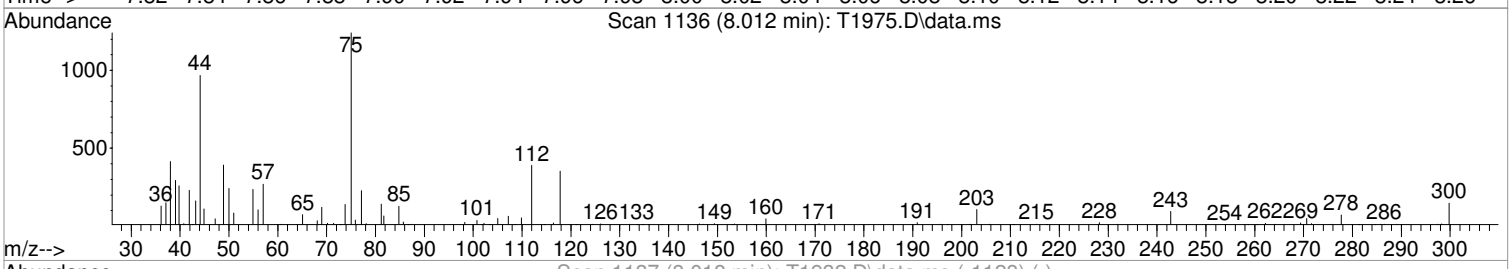
09/17/20

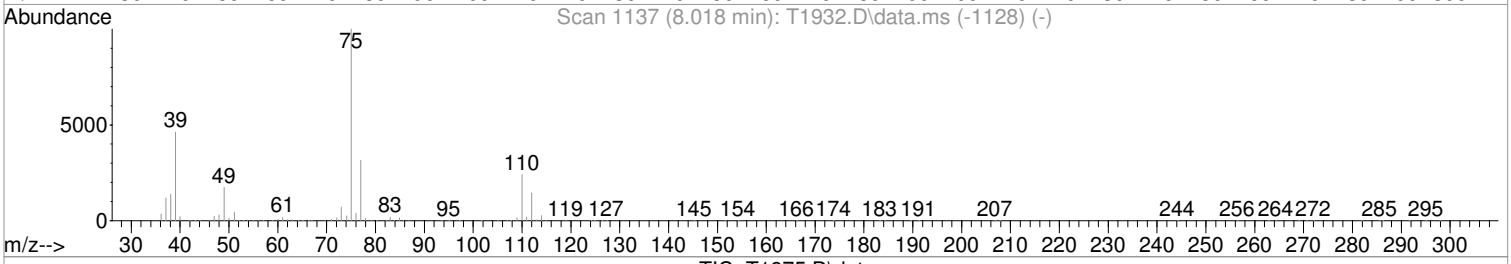
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(62) cis-1,3-Dichloropropene (P)

8.012min (-0.006) 0.45 ug/L

response 1862

Ion	Exp%	Act%
75.00	100	100
110.00	24.10	4.35
77.00	31.50	18.39
0.00	0.00	0.00

Manual Integration:

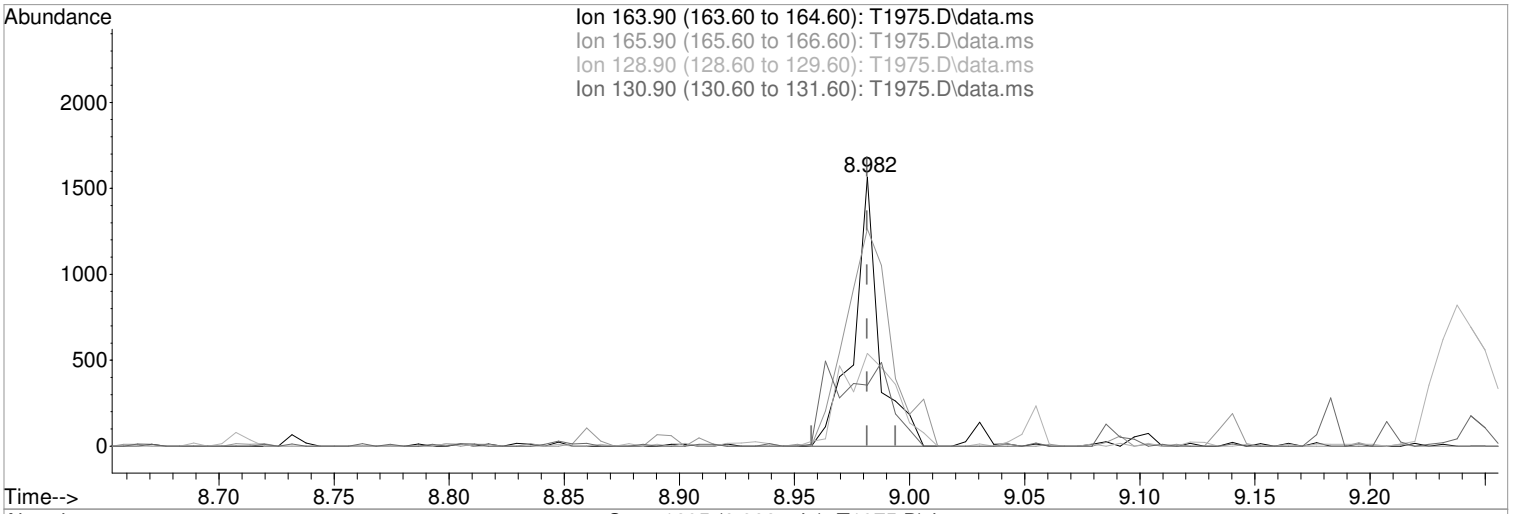
Before

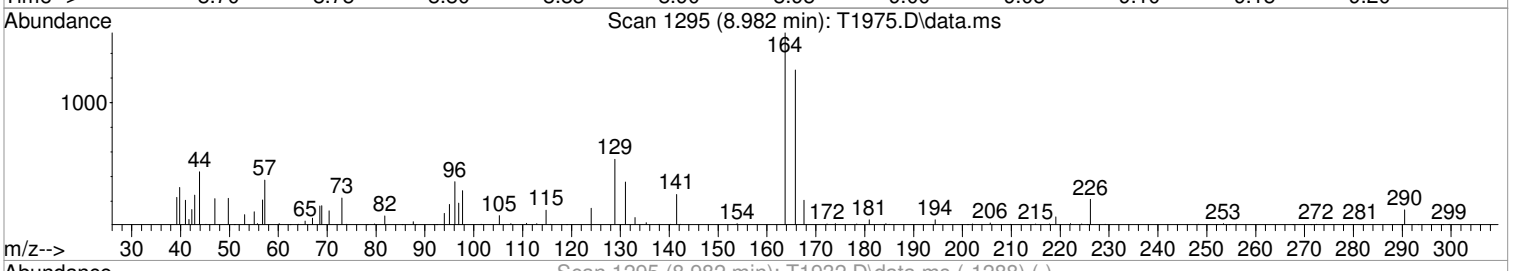
09/17/20

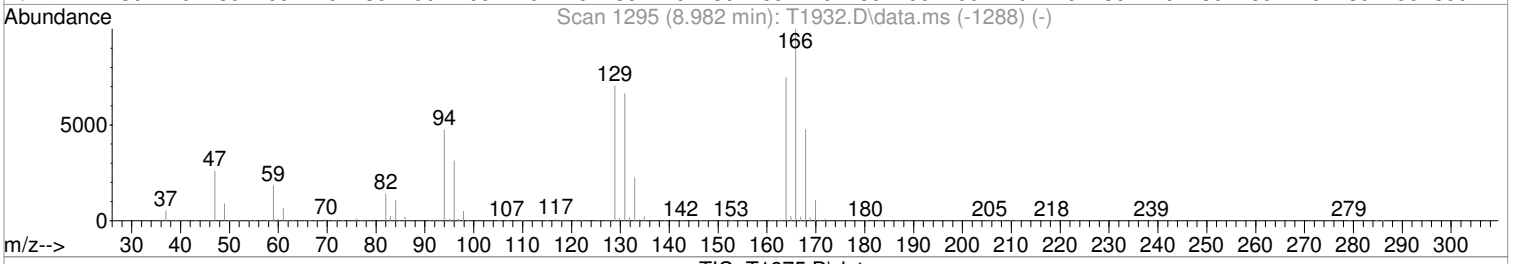
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(71) Tetrachloroethene (P)

8.982min (+0.000) 0.65 ug/L m

response 1212

Ion	Exp%	Act%
163.90	100	100
165.90	134.00	80.77#
128.90	94.40	34.50#
130.90	88.90	22.75#

Manual Integration:

After

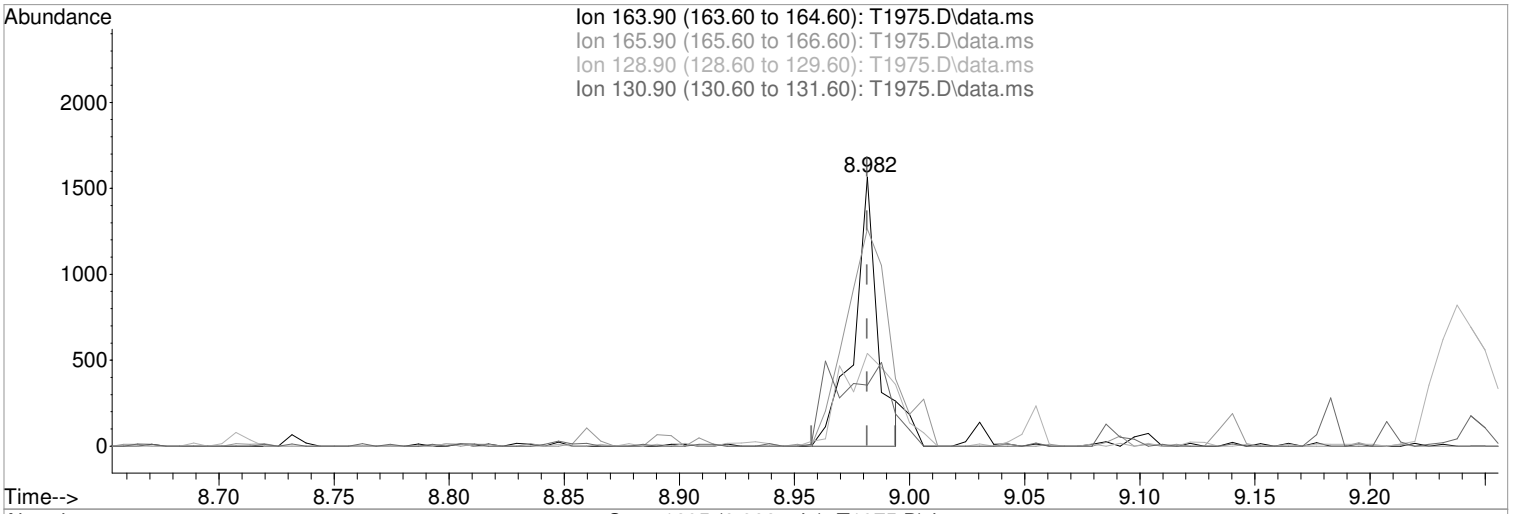
Poor integration.

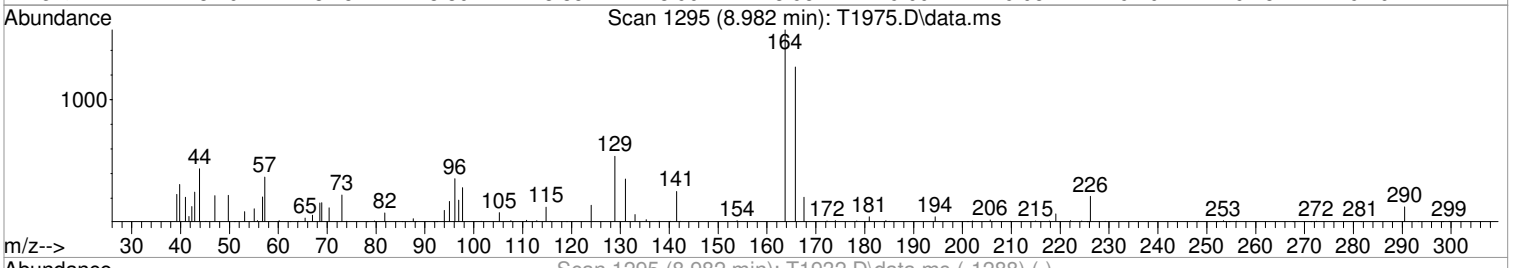
09/17/20

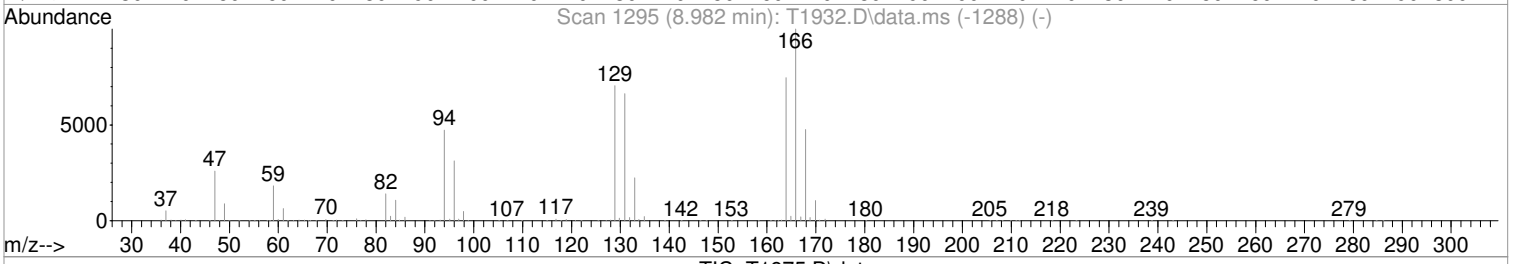
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(71) Tetrachloroethene (P)

8.982min (+0.000) 0.61 ug/L

response 1145

Ion	Exp%	Act%
163.90	100	100
165.90	134.00	80.77#
128.90	94.40	34.50#
130.90	88.90	22.75#

Manual Integration:

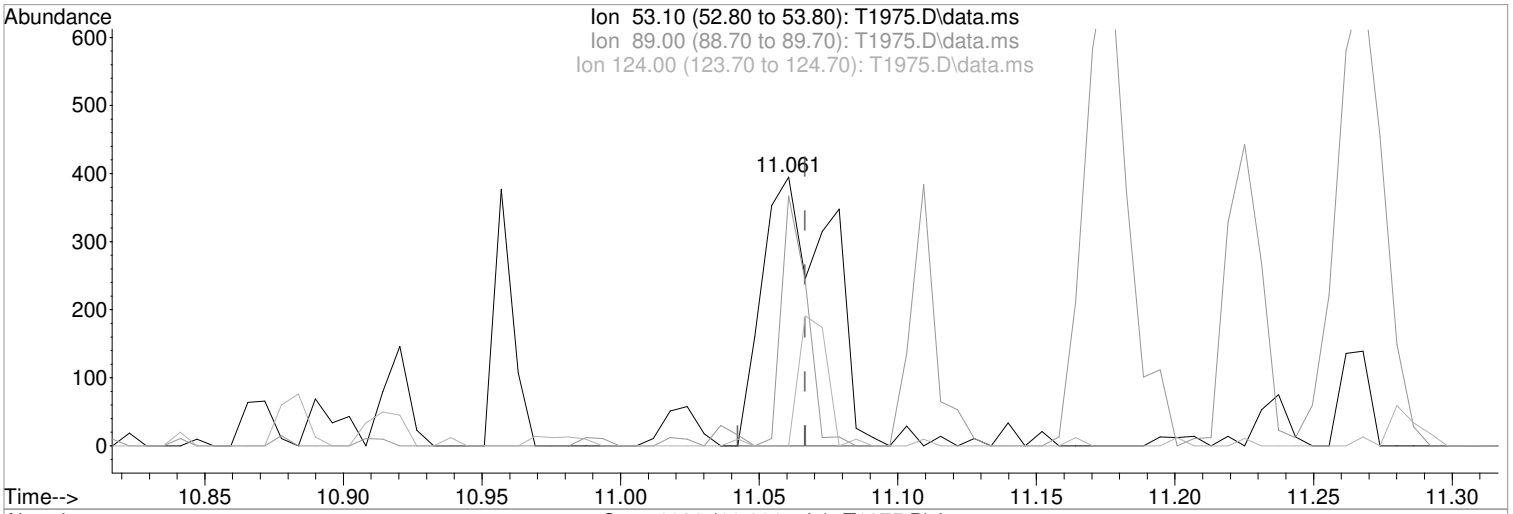
Before

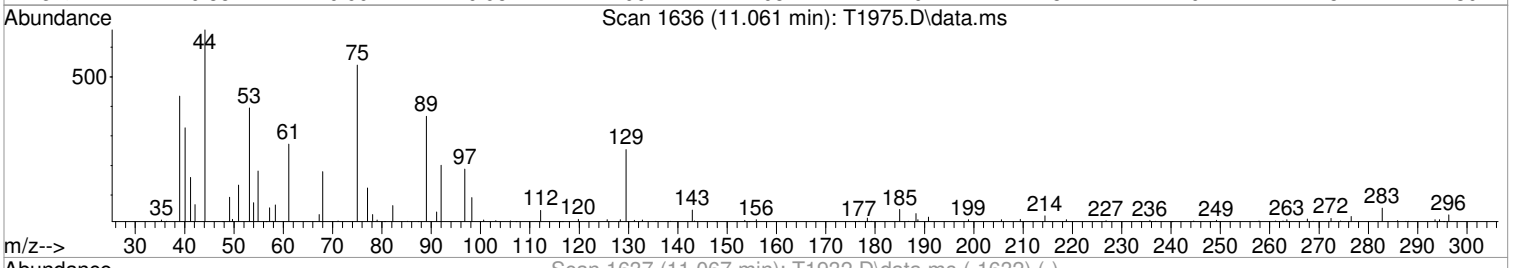
09/17/20

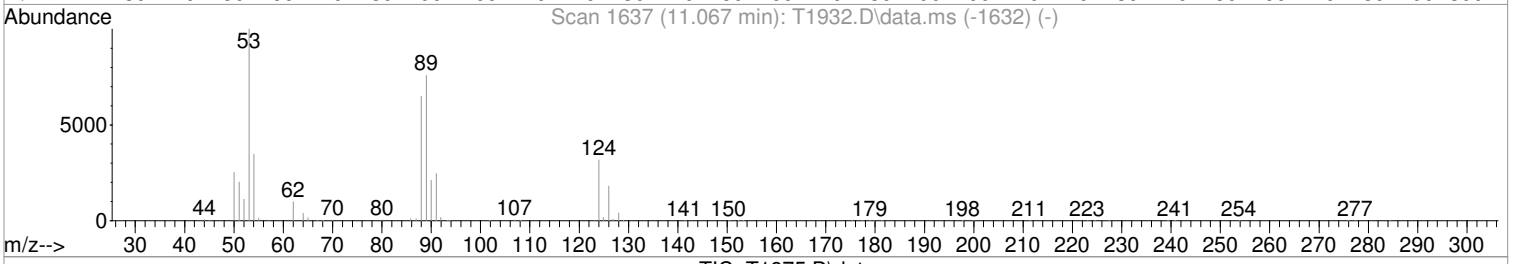
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.061min (-0.006) 0.86 ug/L m

response 679

Ion	Exp%	Act%
53.10	100	100
89.00	76.00	92.91
124.00	31.50	0.00#
0.00	0.00	0.00

Manual Integration:

After

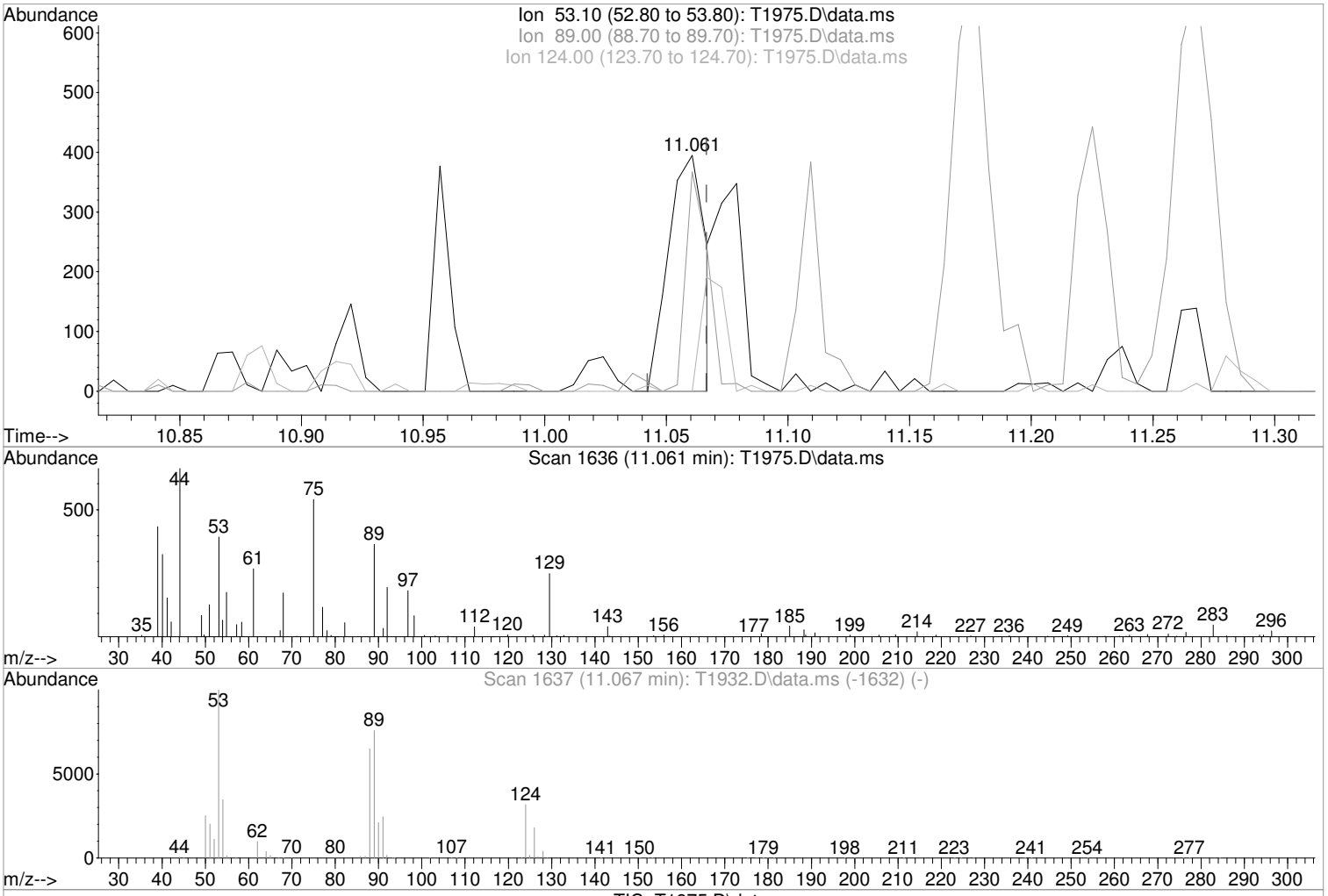
Poor integration.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration



TIC: T1975.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.061min (-0.006) 0.53 ug/L

response 422

Ion	Exp%	Act%
53.10	100	100
89.00	76.00	92.91
124.00	31.50	0.00#
0.00	0.00	0.00

Manual Integration:

Before

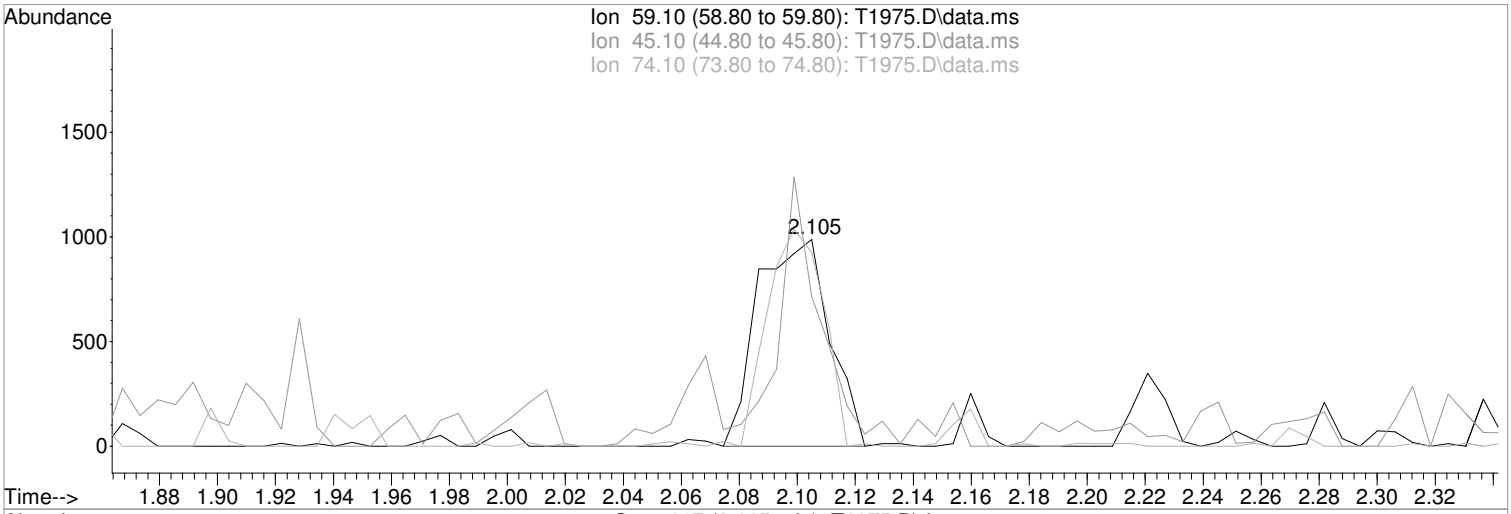
09/17/20

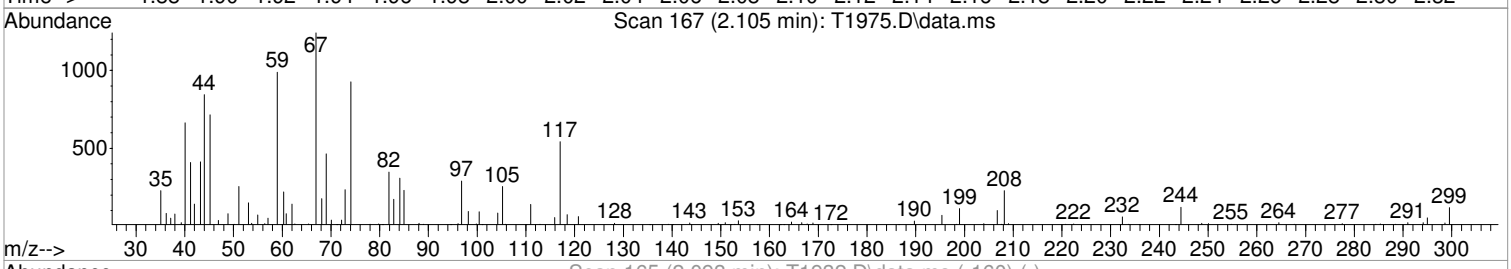
1st FW 09/18/20
2nd WR 09/19/20

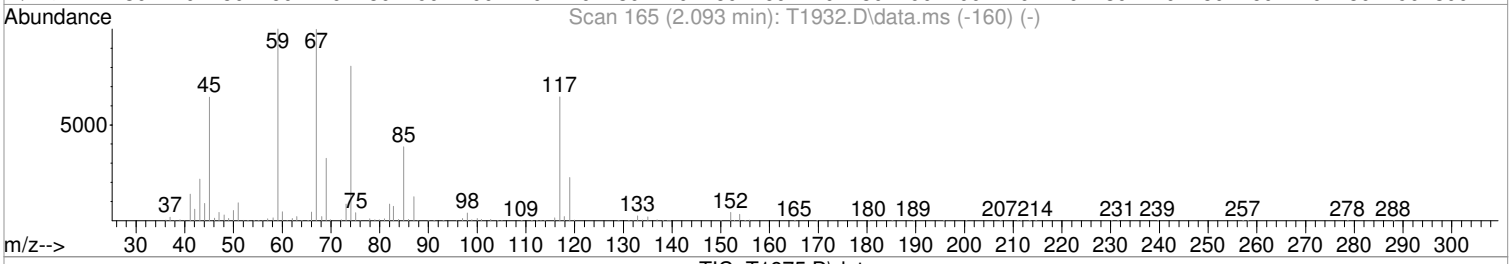
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:03 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(9) Diethyl Ether

2.105min (+0.012) 0.91 ug/L m

response 1693

Ion	Exp%	Act%
59.10	100	100
45.10	64.50	72.37
74.10	80.60	93.72
0.00	0.00	0.00

Manual Integration:

After

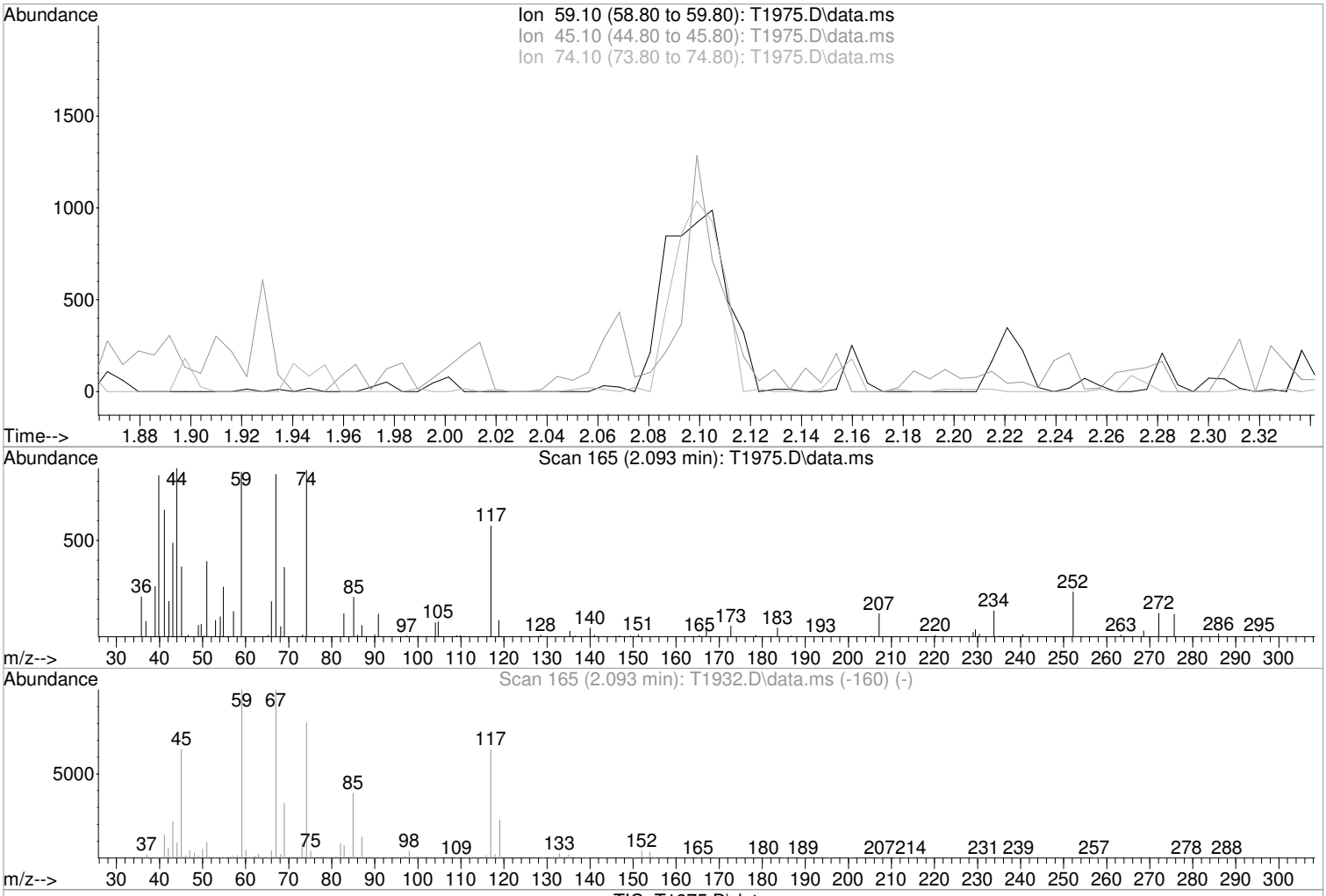
Peak not found.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:03 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration



TIC: T1975.D\data.ms

(9) Diethyl Ether

2.093min (-2.093) 0.00 ug/L

response 0

Ion	Exp%	Act%
59.10	100	0.00
45.10	64.50	0.00#
74.10	80.60	0.00#
0.00	0.00	0.00

Manual Integration:

Before

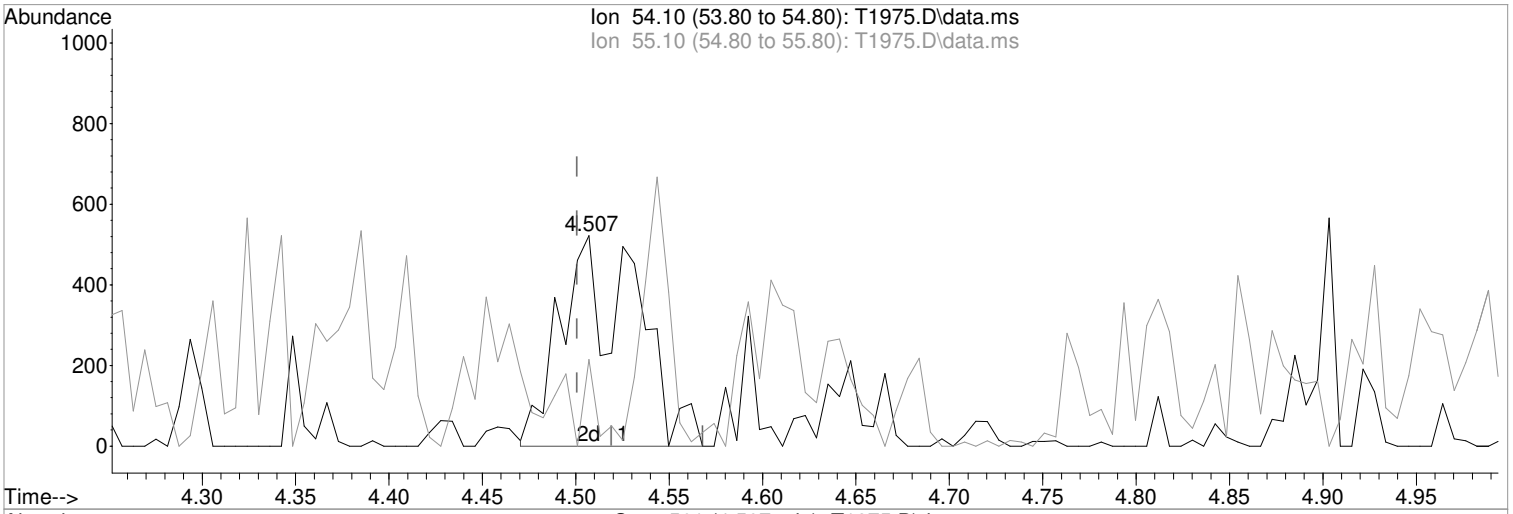
09/17/20

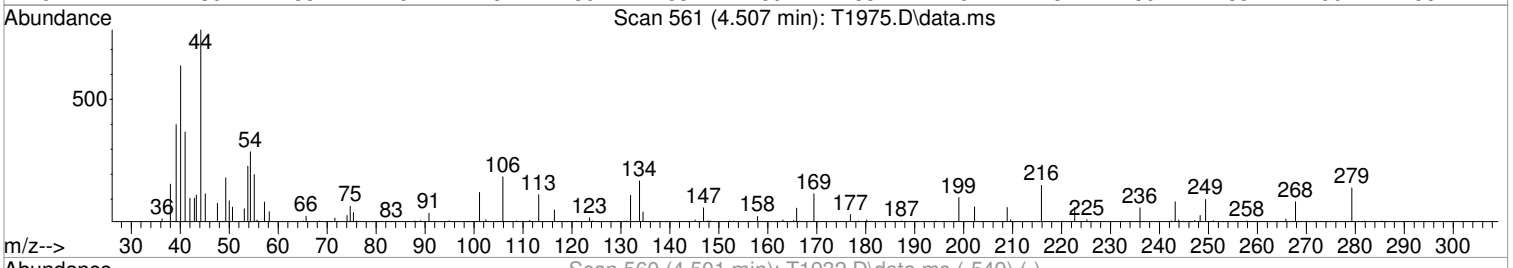
1st FN 09/18/20
2nd 09/19/20

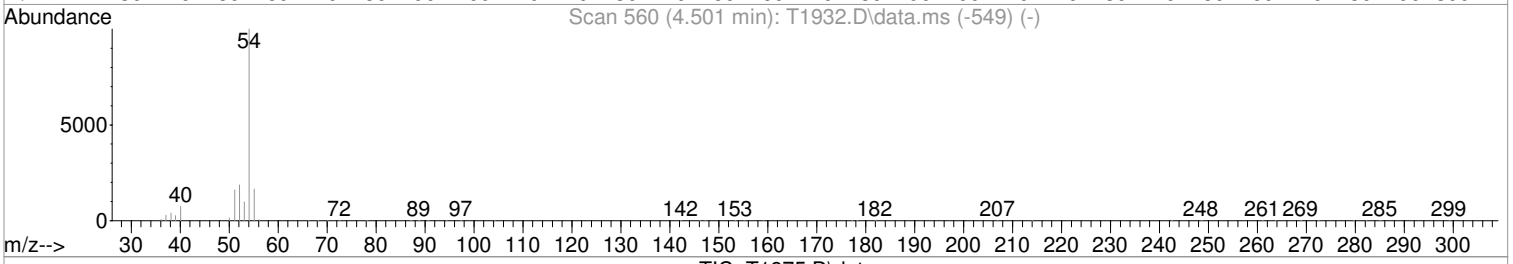
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(35) Propionitrile

4.507min (+0.006) 3.45 ug/L m

response 1451

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	68.28#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 15:03:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	247889	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	404910	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	371963	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	185038	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	25219	9.98	ug/L		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 19.96%#				
46) surr1,1,2-dichloroetha...	5.793	65	31510	9.59	ug/L		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 19.18%#				
64) SURR3,Toluene-d8	8.311	98	101972	10.24	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.48%#				
69) SURR2,BFB	10.878	95	38594	9.70	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 19.40%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	1092	0.35	ug/L		82
3) Chloromethane	1.282	50	2334	1.00	ug/L		74
4) Vinyl Chloride	1.361	62	1550	0.65	ug/L		76
5) Bromomethane	1.593	94	2386	1.31	ug/L		92
6) Chloroethane	1.672	64	937	0.76	ug/L	#	61
7) Freon 21	1.818	67	2647	0.65	ug/L		64
8) Trichlorofluoromethane	1.867	101	2071	0.59	ug/L	#	69
9) Diethyl Ether	2.105	59	1693m	0.91	ug/L		
10) Freon 123a	2.105	67	2432m	0.92	ug/L		
11) Freon 123	2.160	83	2213m	0.71	ug/L		
12) Acrolein	2.196	56	1796	3.41	ug/L		99
13) 1,1-Diclethene	2.294	96	1114	0.67	ug/L	#	69
14) Freon 113	2.300	101	1371	0.71	ug/L	#	58
15) Acetone	2.337	43	2723	2.93	ug/L		83
16) 2-Propanol	2.459	45	3813m	18.81	ug/L		
18) Carbon Disulfide	2.489	76	3643	0.62	ug/L		91
19) Acetonitrile	2.587	41	1490	4.49	ug/L		86
20) Allyl Chloride	2.623	76	1011	0.91	ug/L	#	64
21) Methyl Acetate	2.648	43	2467	1.23	ug/L		81
22) Methylene Chloride	2.733	84	1790m	0.74	ug/L		
23) TBA	2.873	59	4524m	11.74	ug/L		
24) Acrylonitrile	2.995	53	3238	3.38	ug/L		83
25) Methyl-t-Butyl Ether	3.044	73	4267	0.57	ug/L		88
26) trans-1,2-Dichloroethene	3.032	96	918	0.48	ug/L	#	63
27) 1,1-Diclethane	3.519	63	2273	0.60	ug/L		82
29) DIPE	3.660	45	4996	0.86	ug/L	#	60
30) 2-Chloro-1,3-Butadiene	3.672	53	2760m	0.89	ug/L		
31) ETBE	4.190	59	3690m	0.57	ug/L		
32) 2,2-Dichloropropane	4.361	77	1978	0.56	ug/L		68
33) cis-1,2-Dichloroethene	4.379	96	1464m	0.60	ug/L		
35) Propionitrile	4.507	54	1451m	3.45	ug/L		
36) Bromochloromethane	4.775	130	923m	0.61	ug/L		
37) Methacrylonitrile	4.787	67	971m	0.79	ug/L		
39) Chloroform	4.946	83	2297m	0.55	ug/L		
40) 1,1,1-Trichloroethane	5.257	97	2471m	0.67	ug/L		
44) Carbontetrachloride	5.537	117	1174	0.37	ug/L	#	54
45) 1,1-Dichloropropene	5.556	75	1730	0.53	ug/L	#	72
47) Benzene	5.866	78	5017m	0.51	ug/L		
48) 1,2-Dichloroethane	5.915	62	2289	0.61	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 15:03:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
50) TAME	6.104	73	3798	0.49 ug/L	#	70
51) n-Heptane	6.360	43	3911	1.58 ug/L	#	49
53) Trichloroethene	6.811	130	1366	0.55 ug/L	#	61
55) 1,2-Diclpropane	7.098	63	1580m	0.67 ug/L		
56) Dibromomethane	7.238	93	1149m	0.66 ug/L		
57) 1,4-Dioxane	7.330	88	1085m	21.31 ug/L		
58) Methyl Methacrylate	7.342	69	1991m	0.86 ug/L		
59) Bromodichloromethane	7.470	83	1947	0.54 ug/L		76
62) cis-1,3-Dichloropropene	8.012	75	2037m	0.50 ug/L		
65) Toluene	8.384	91	5834	0.57 ug/L		85
66) trans-1,3-Dichloropropene	8.665	75	2308	0.58 ug/L	#	50
67) Ethyl Methacrylate	8.799	69	2821	0.69 ug/L		77
68) 1,1,2-Trichloroethane	8.835	97	1225	0.49 ug/L		89
71) Tetrachloroethene	8.982	164	1212m	0.65 ug/L		
73) 1,3-Dichloropropane	9.012	76	1883	0.43 ug/L	#	38
74) Dibromochloromethane	9.238	129	1244	0.48 ug/L	#	43
75) N-Butyl Acetate	9.293	43	3415	0.76 ug/L		97
76) 1,2-Dibromoethane	9.329	107	1191	0.45 ug/L		89
77) 3-Chlorobenzotrifluoride	9.860	180	1482	0.41 ug/L		94
78) Chlorobenzene	9.829	112	2971	0.45 ug/L	#	61
79) 4-Chlorobenzotrifluoride	9.902	180	1074	0.34 ug/L		82
80) 1,1,1,2-Tetrachloroethane	9.921	131	928	0.38 ug/L	#	66
81) Ethylbenzene	9.945	106	1594	0.44 ug/L	#	47
82) (m+p)Xylene	10.073	106	3371	0.75 ug/L	#	72
83) o-Xylene	10.427	106	2377	0.53 ug/L		97
84) Styrene	10.439	104	3348	0.44 ug/L		87
85) Bromoform	10.591	173	748	0.43 ug/L	#	44
86) 2-Chlorobenzotrifluoride	10.664	180	1387	0.39 ug/L		93
87) Isopropylbenzene	10.750	105	4405	0.38 ug/L		97
88) Cyclohexanone	10.823	55	5960	12.16 ug/L		98
89) trans-1,4-Dichloro-2-B...	11.061	53	679m	0.86 ug/L		
91) 1,1,2,2-Tetrachloroethane	11.012	83	1857	0.51 ug/L		98
92) Bromobenzene	11.012	156	1756	0.60 ug/L	#	35
93) 1,2,3-Trichloropropane	11.042	110	374	0.30 ug/L	#	51
94) n-Propylbenzene	11.109	91	5873	0.48 ug/L		92
95) 2-Chlorotoluene	11.176	91	4347	0.54 ug/L		99
96) 3-Chlorotoluene	11.225	91	4533	0.55 ug/L		90
97) 4-Chlorotoluene	11.268	91	4366	0.49 ug/L		85
98) 1,3,5-Trimethylbenzene	11.268	105	3525	0.38 ug/L		86
99) tert-Butylbenzene	11.536	119	3633	0.47 ug/L		97
100) 1,2,4-Trimethylbenzene	11.573	105	3684	0.39 ug/L		84
101) 3,4-Dichlorobenzotrifl...	11.634	214	1484	0.55 ug/L	#	81
102) sec-Butylbenzene	11.719	105	5109	0.45 ug/L		84
103) p-Isopropyltoluene	11.841	119	3997	0.44 ug/L	#	49
104) 1,3-Dclbenz	11.810	146	2376	0.44 ug/L	#	62
105) 1,4-Dclbenz	11.877	146	3250	0.59 ug/L	#	70
106) 2,4-Dichlorobenzotrifl...	11.926	214	1100	0.46 ug/L		88
107) 2,5-Dichlorobenzotrifl...	11.969	214	1458	0.54 ug/L	#	58
108) n-Butylbenzene	12.176	91	4405	0.53 ug/L		97
109) 1,2-Dclbenz	12.170	146	2315	0.43 ug/L		84
110) 1,2-Dibromo-3-chloropr...	12.798	157	461	0.54 ug/L	#	67
111) Trielution Dichlorotol...	12.920	125	5870	1.25 ug/L		94
112) 1,3,5-Trichlorobenzene	12.969	180	1868	0.48 ug/L	#	72
113) Coelution Dichlorotoluene	13.243	125	4623	0.91 ug/L		91
114) 1,2,4-Tcbenzene	13.450	180	1488	0.40 ug/L	#	59
115) Hexachlorobt	13.591	225	758	0.48 ug/L	#	40

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 15:03:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration

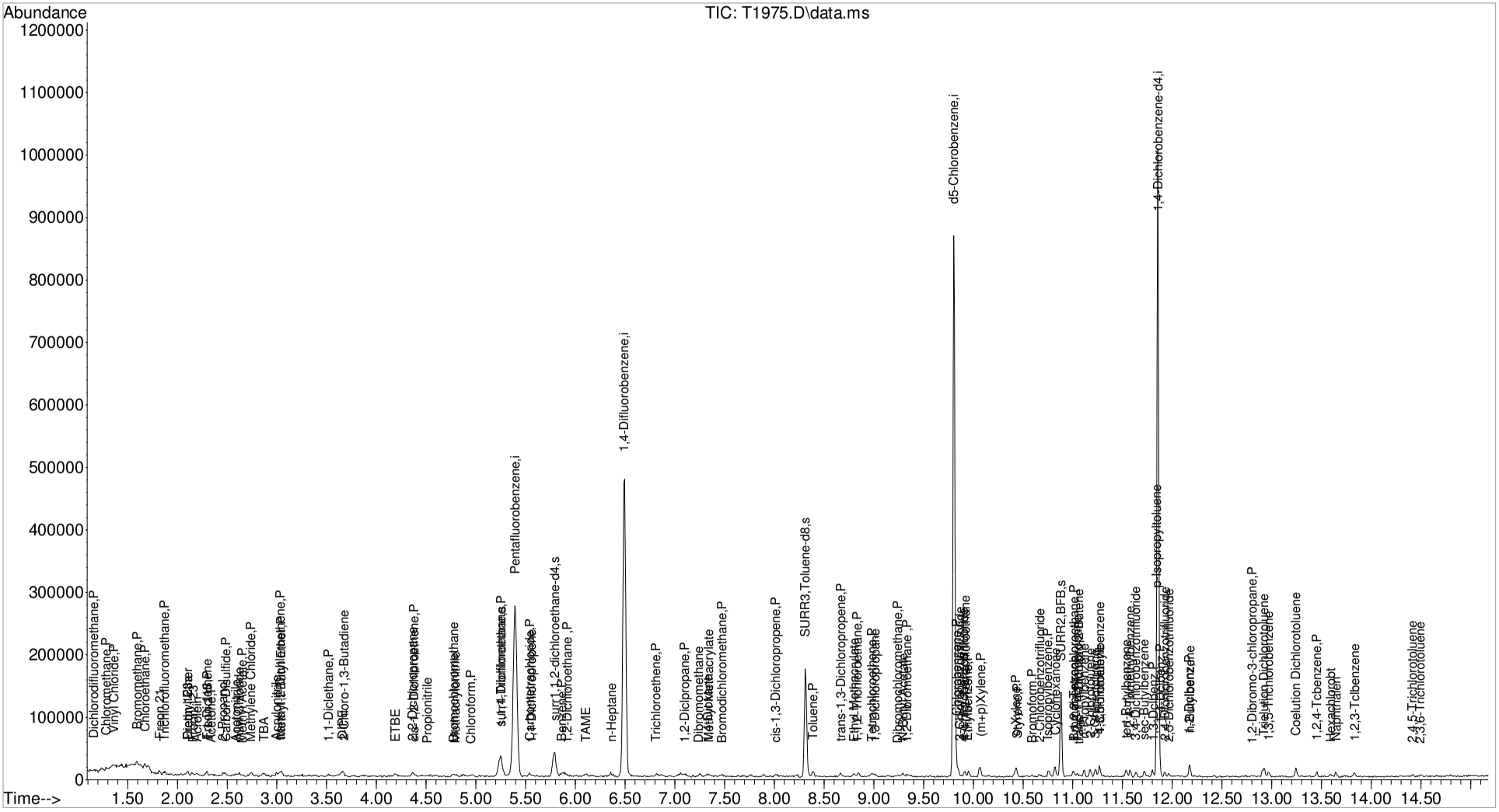
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
116) Naphthalen	13.645	128	3333	0.34	ug/L		79
117) 1,2,3-Tclbenzene	13.834	180	1590	0.44	ug/L	#	71
118) 2,4,5-Trichlorotoluene	14.414	159	707	0.30	ug/L	#	76
119) 2,3,6-Trichlorotoluene	14.493	159	786	0.36	ug/L	#	60

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 15:03:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration

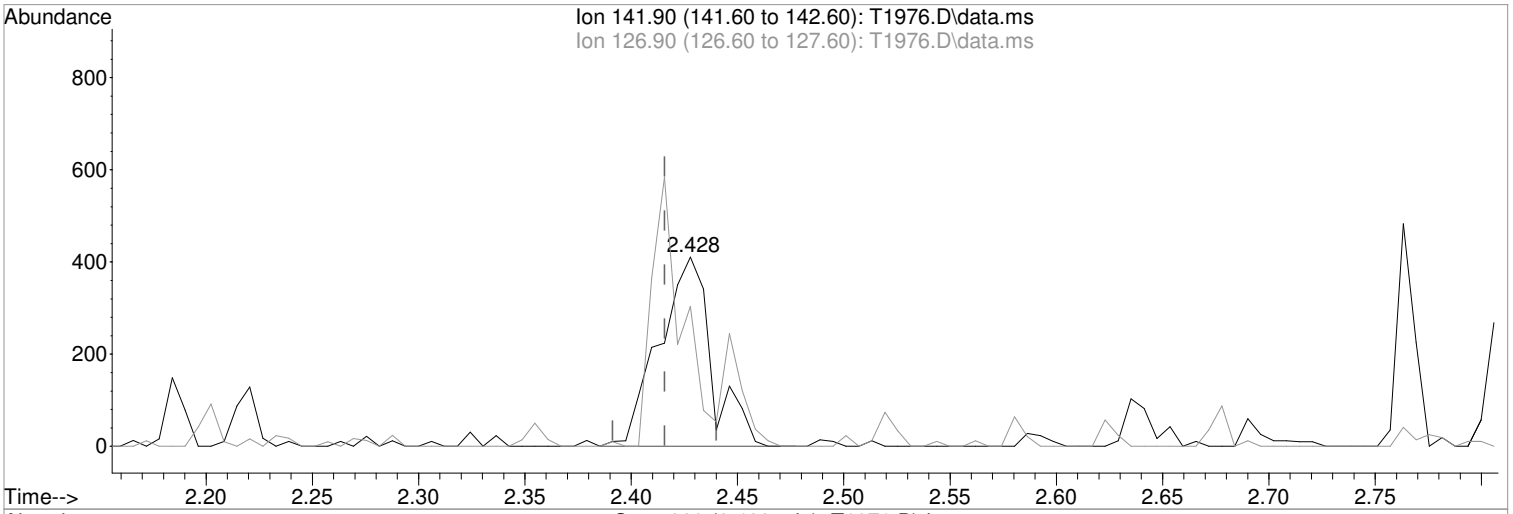


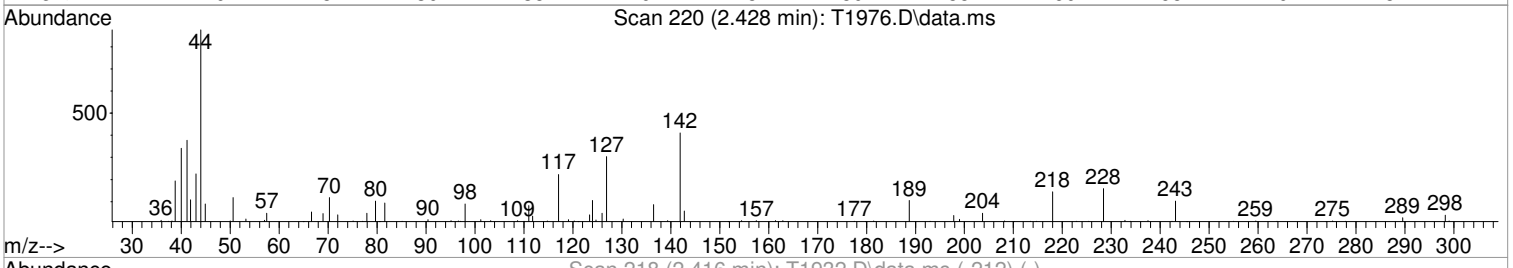
1st FN 09/18/20
2nd 09/16/20

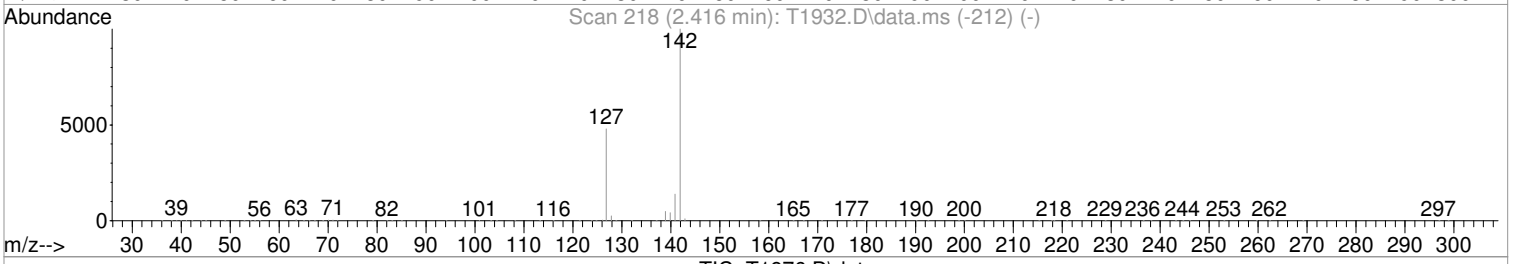
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(17) Iodomethane

2.428min (+0.012) 0.22 ug/L m

response 707

Ion	Exp%	Act%
141.90	100	100
126.90	48.00	73.97#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

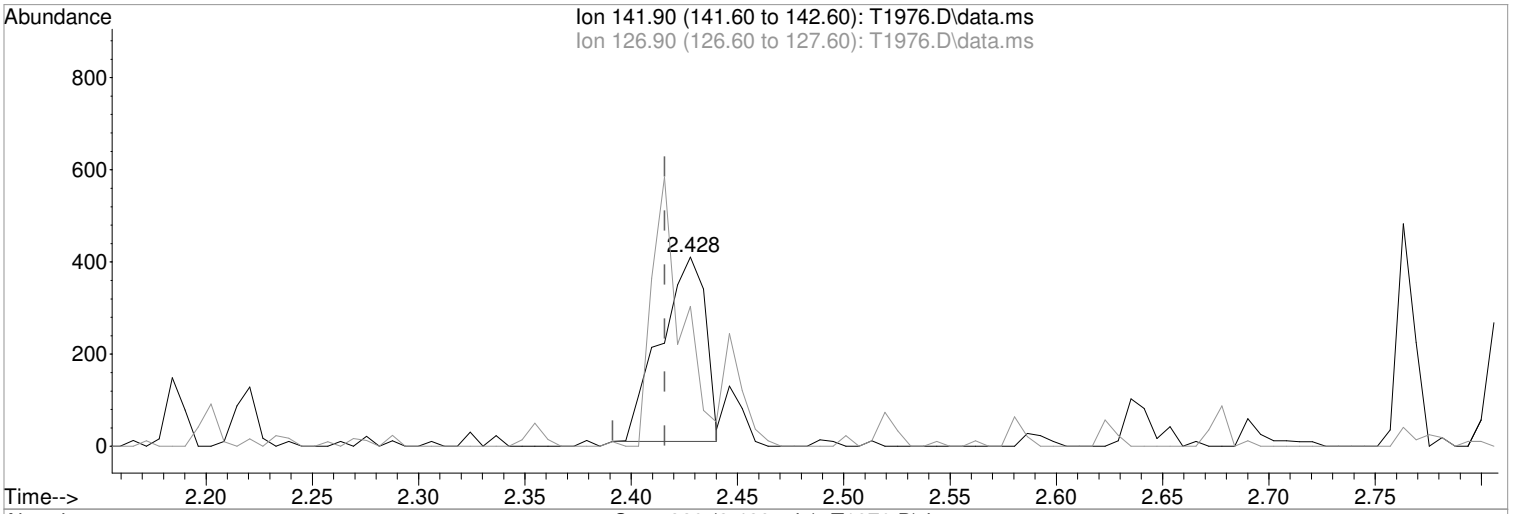
Poor integration.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(17) Iodomethane

2.428min (+0.012) 0.19 ug/L

response 589

Ion	Exp%	Act%
141.90	100	100
126.90	48.00	73.97#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

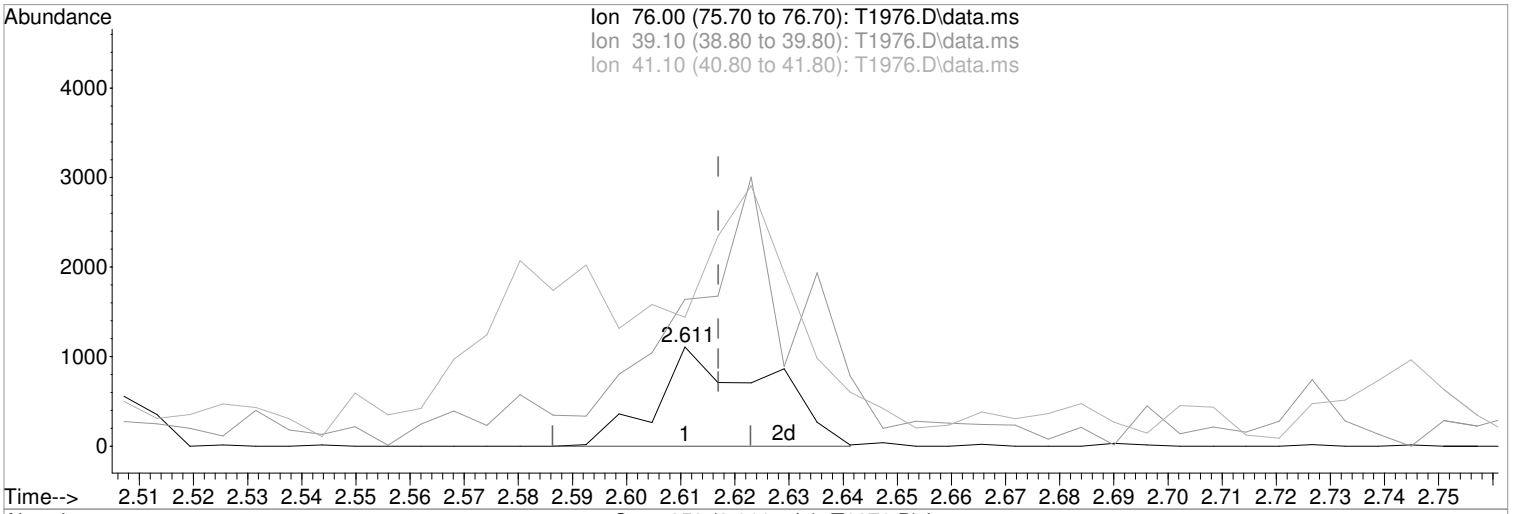
Before

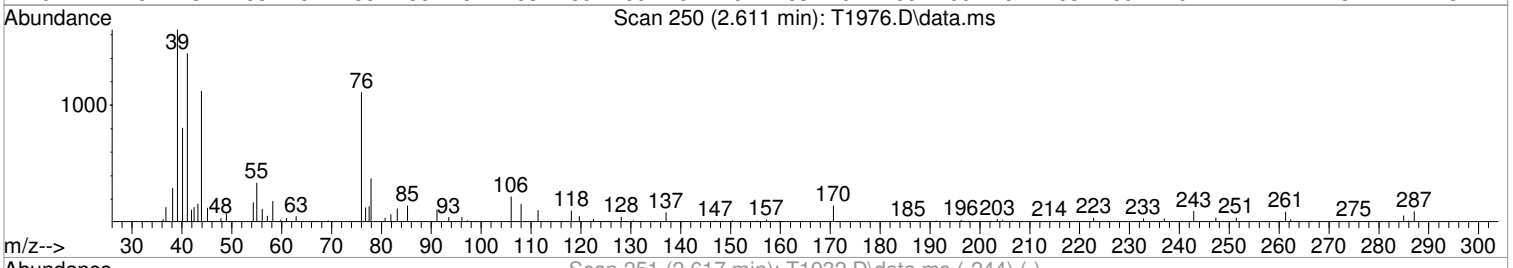
09/17/20

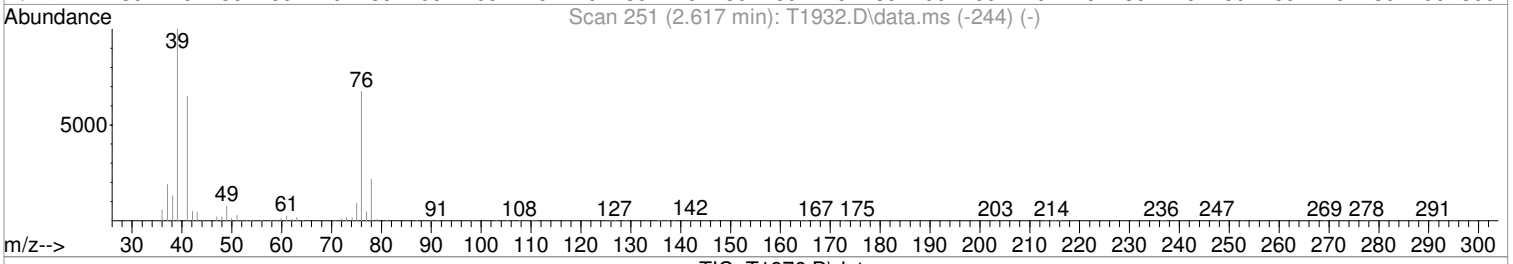
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(20) Allyl Chloride

2.611min (-0.006) 1.19 ug/L m

response 1580

Ion	Exp%	Act%
76.00	100	100
39.10	172.60	148.10#
41.10	226.40	129.87#
0.00	0.00	0.00

Manual Integration:

After

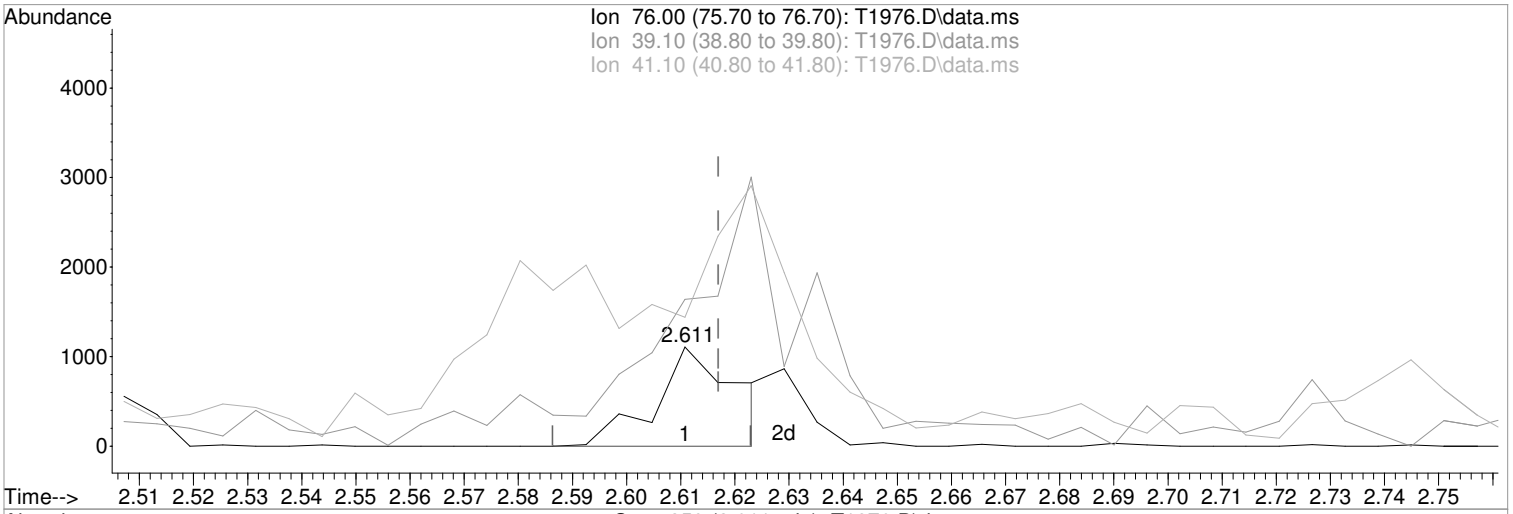
Poor integration.

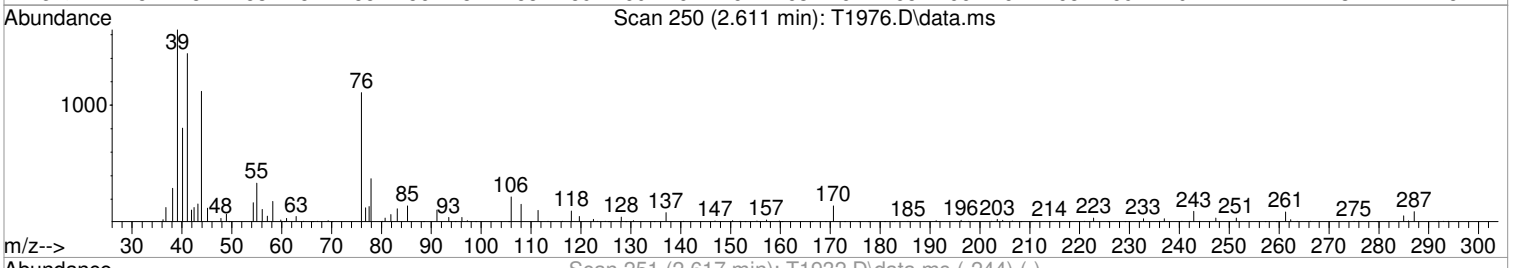
09/17/20

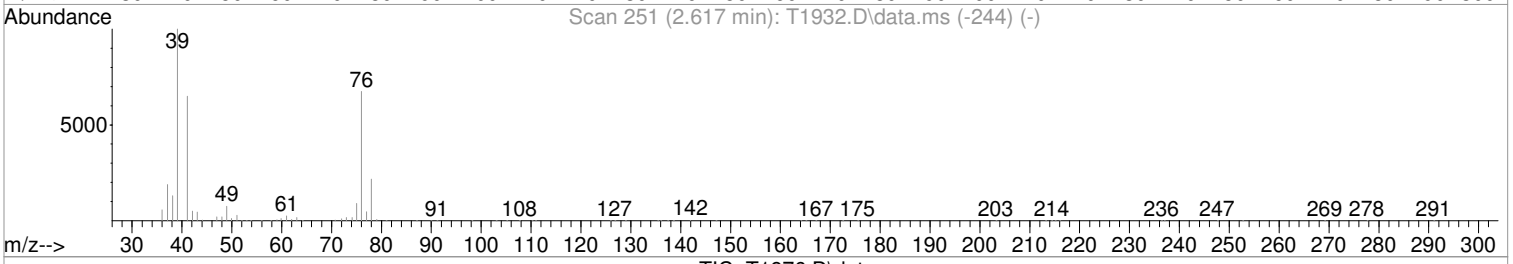
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(20) Allyl Chloride

2.611min (-0.006) 0.88 ug/L

response 1160

Ion	Exp%	Act%
76.00	100	100
39.10	172.60	148.10#
41.10	226.40	129.87#
0.00	0.00	0.00

Manual Integration:

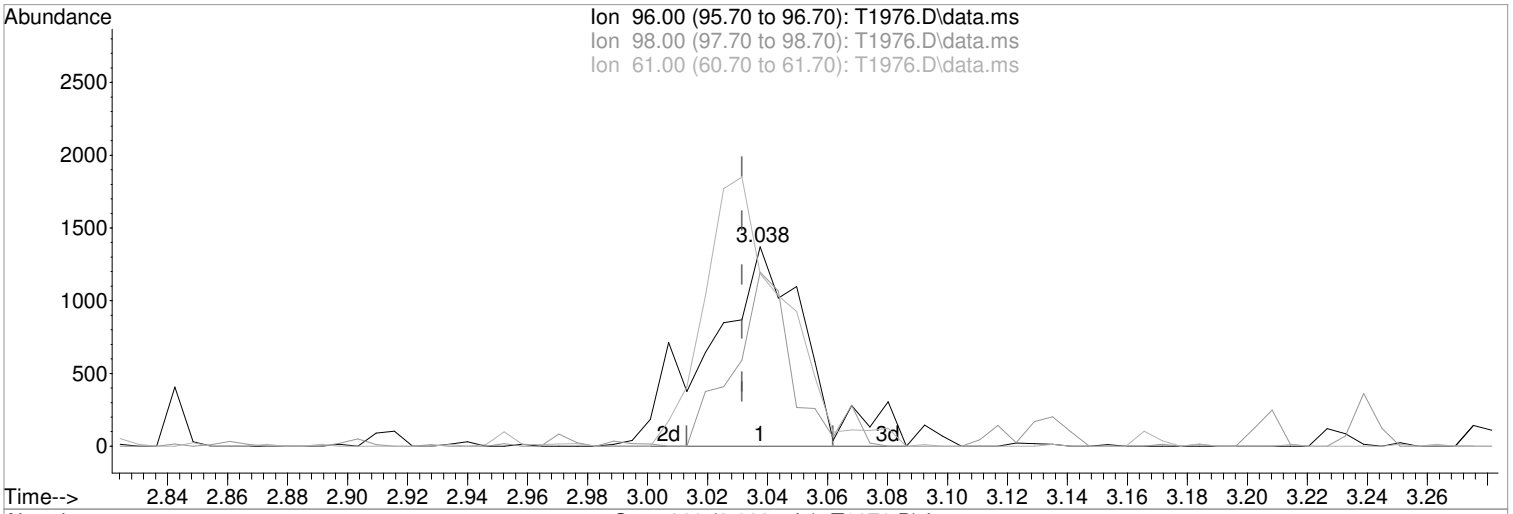
Before

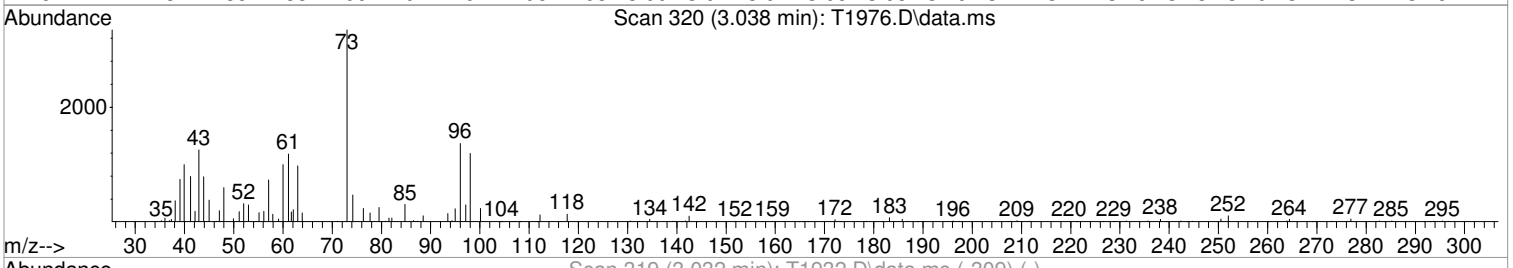
09/17/20

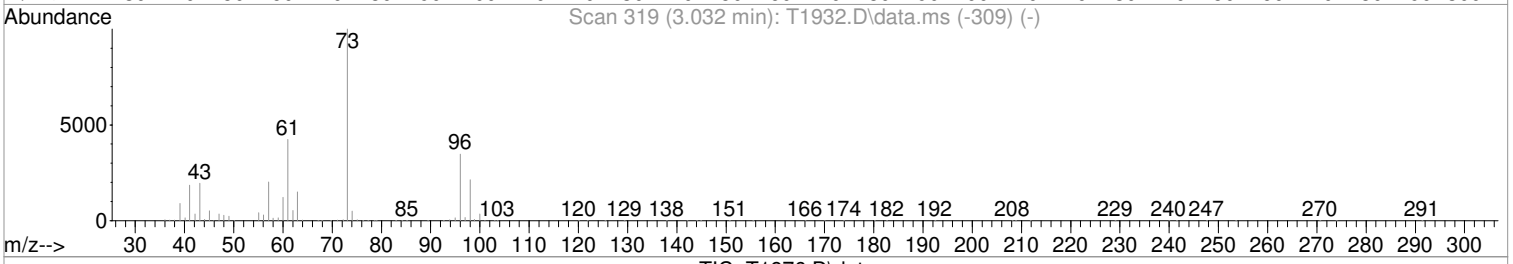
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

3.038min (+0.006) 1.52 ug/L m

response 3113

Ion	Exp%	Act%
96.00	100	100
98.00	61.60	87.31#
61.00	122.00	86.51#
0.00	0.00	0.00

Manual Integration:

After

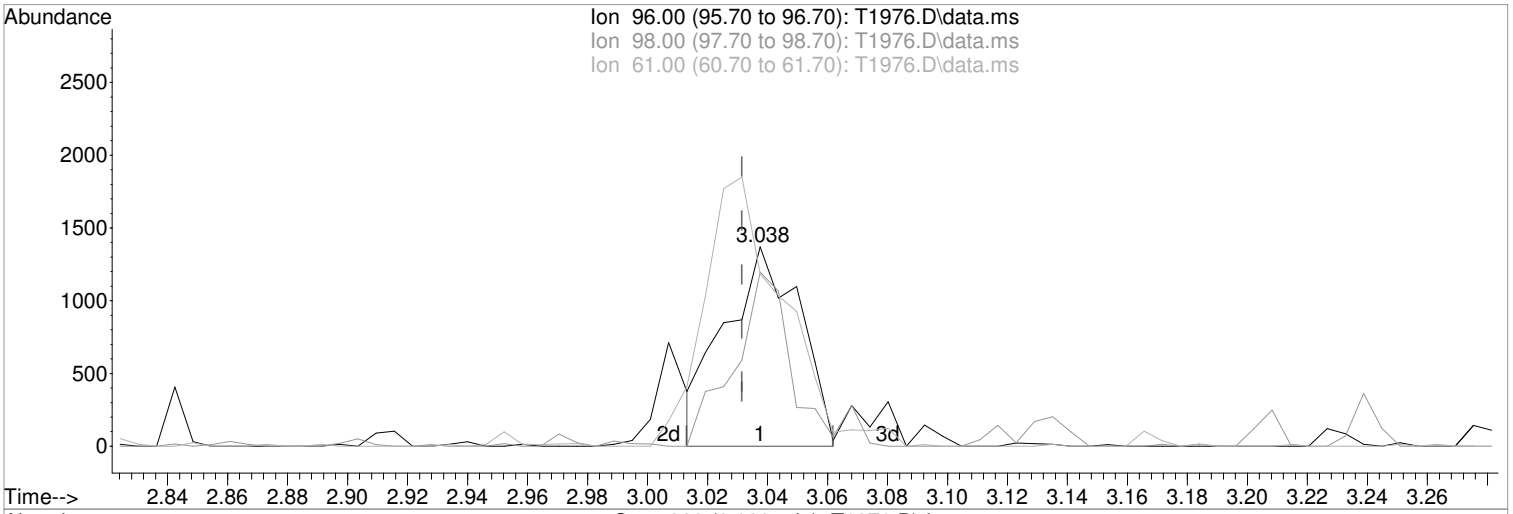
Poor integration.

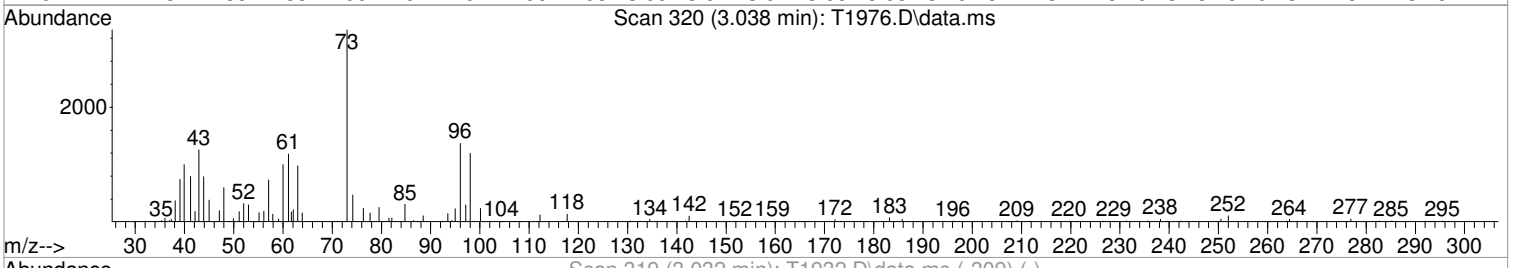
09/17/20

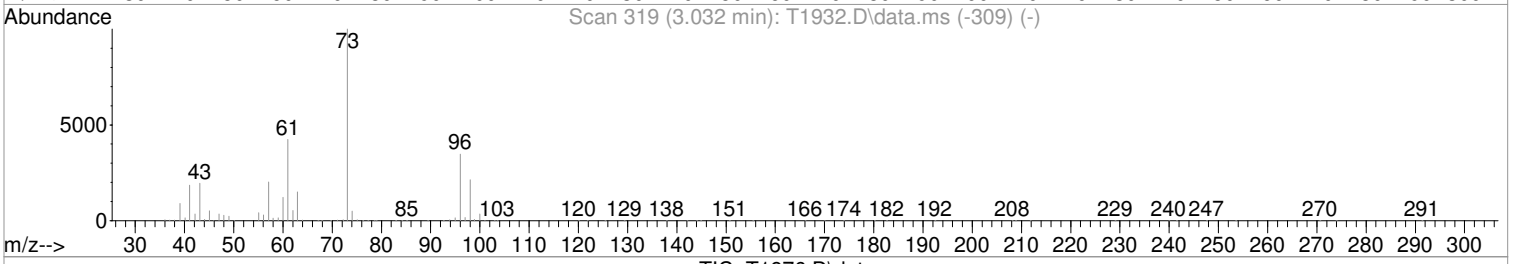
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

3.038min (+0.006) 1.16 ug/L

response 2367

Ion	Exp%	Act%
96.00	100	100
98.00	61.60	87.31#
61.00	122.00	99.56#
0.00	0.00	0.00

Manual Integration:

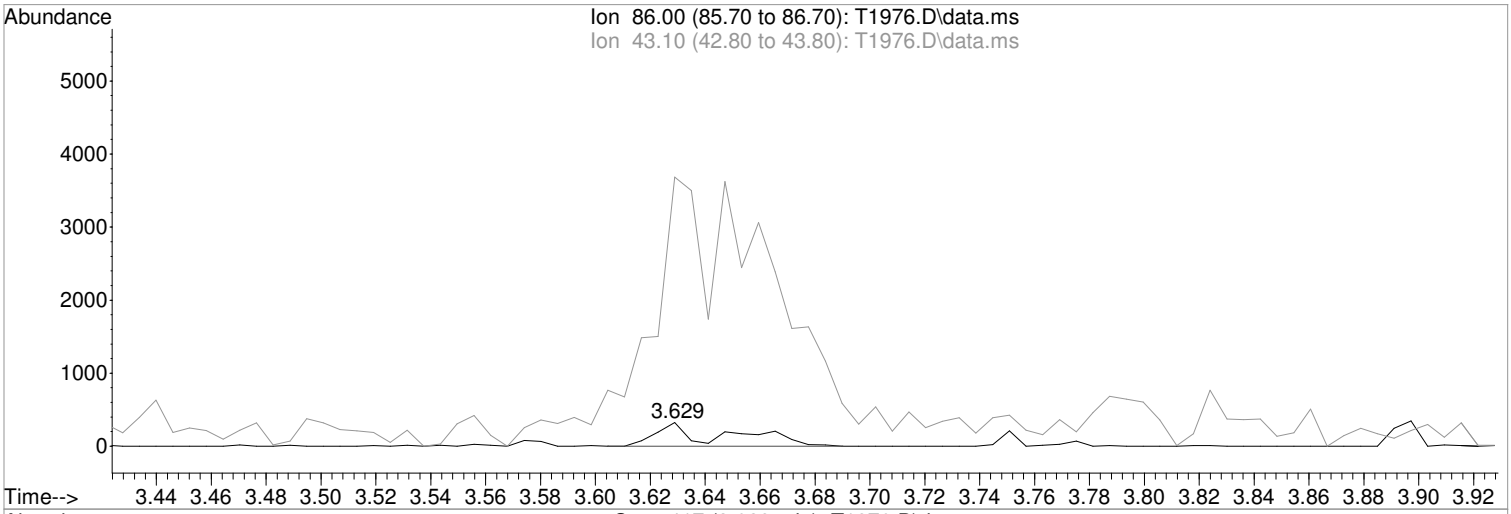
Before

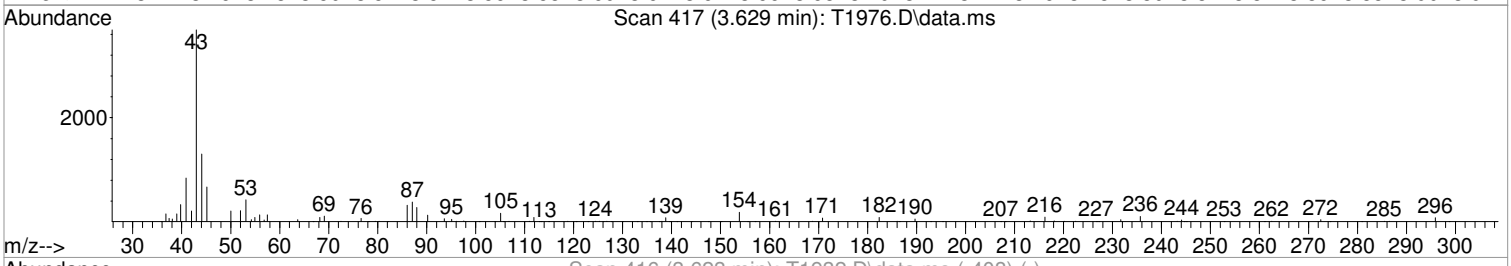
09/17/20

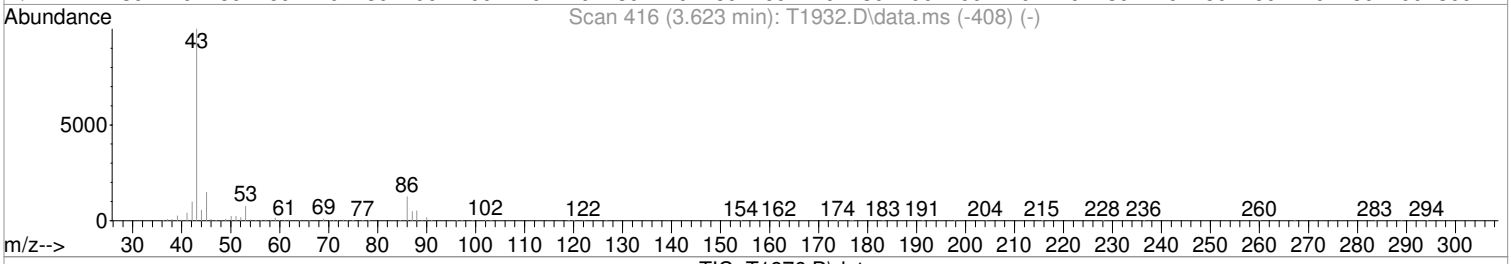
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(28) Vinyl Acetate

3.629min (+0.006) 1.29 ug/L m

response 574

Ion	Exp%	Act%
86.00	100	100
43.10	800.10	1140.25#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

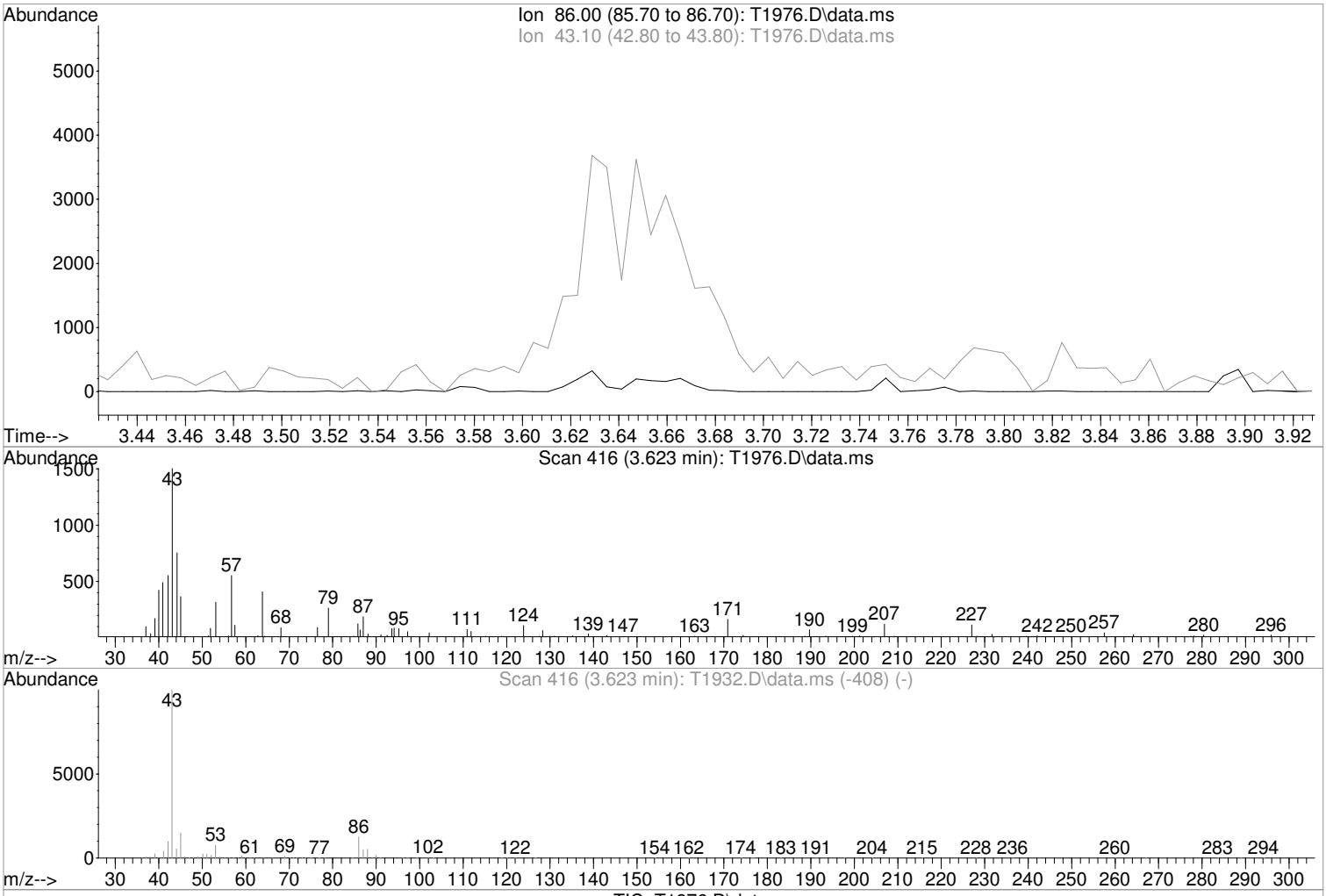
Peak not found.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(28) Vinyl Acetate

3.623min (-3.623) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.00	100	0.00
43.10	800.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

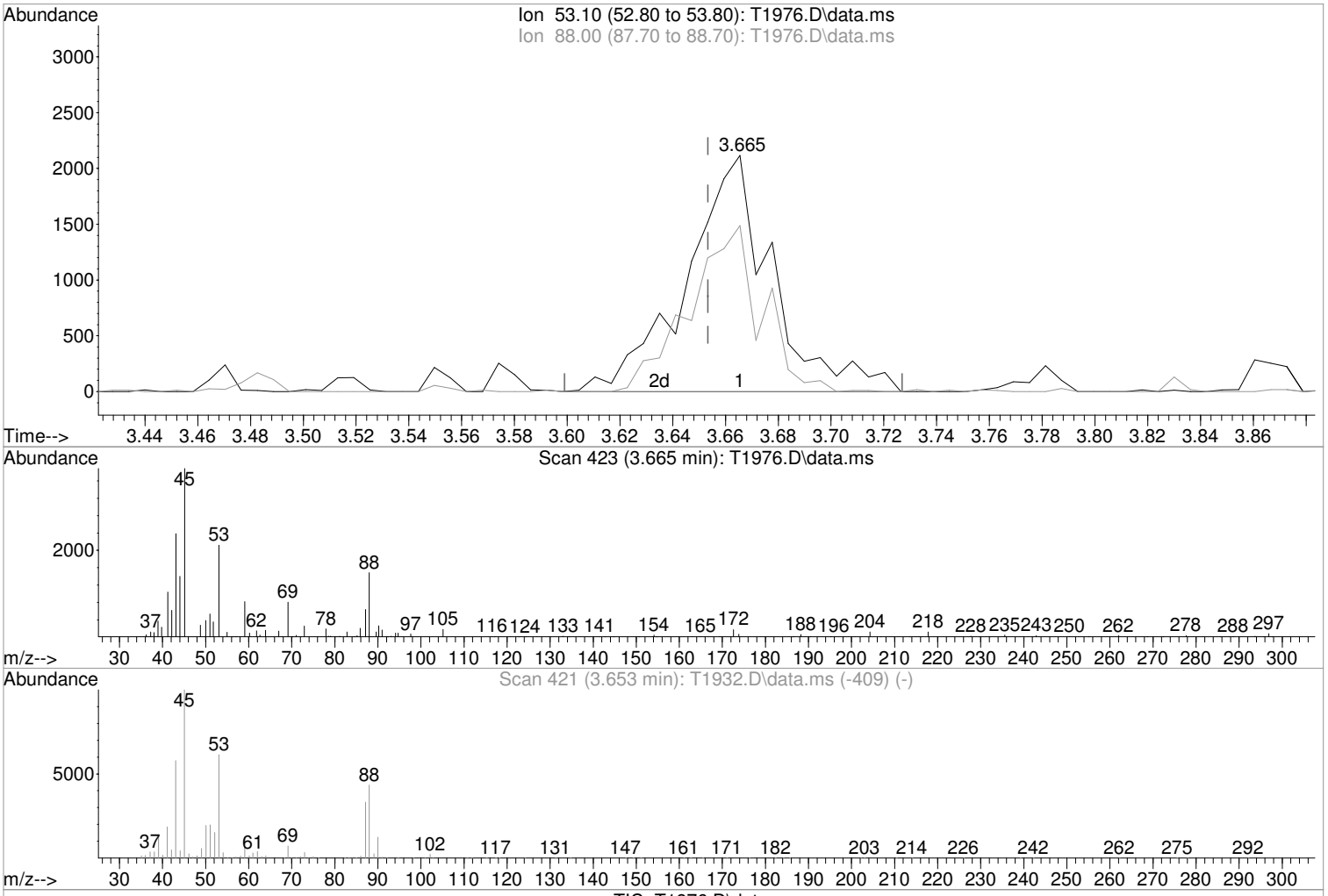
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.665min (+0.012) 1.32 ug/L m

response 4758

Ion	Exp%	Act%
53.10	100	100
88.00	70.60	70.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

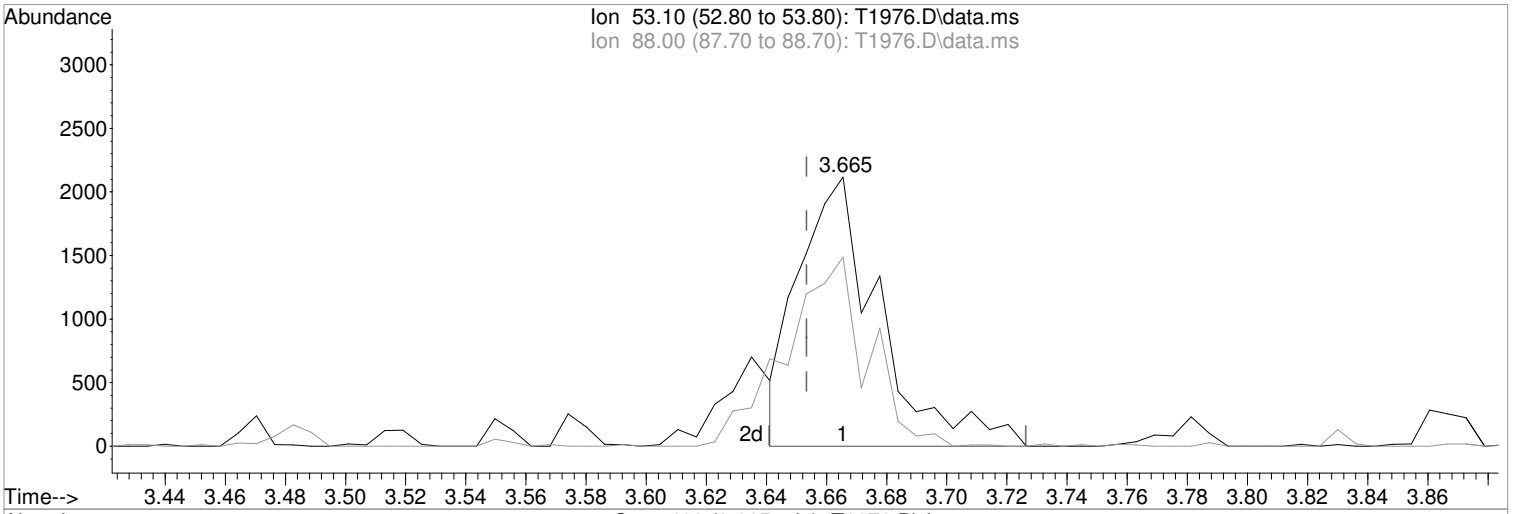
Poor integration.

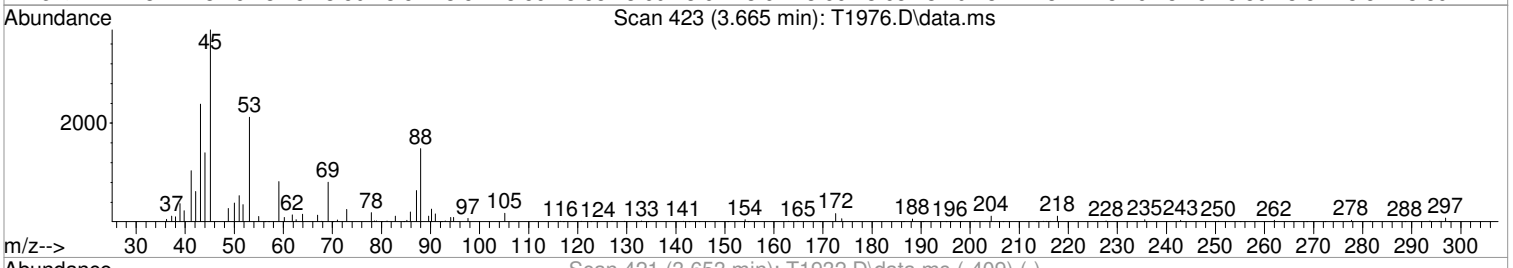
09/17/20

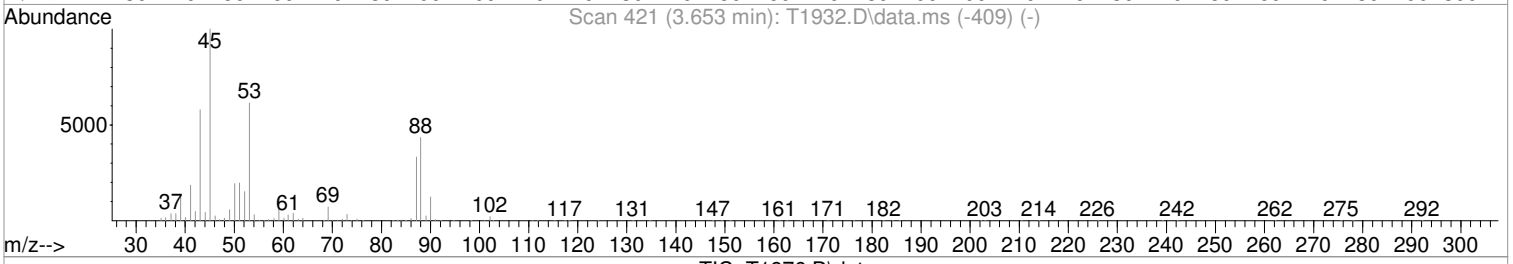
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.665min (+0.012) 1.10 ug/L

response 3957

Ion	Exp%	Act%
53.10	100	100
88.00	70.60	70.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

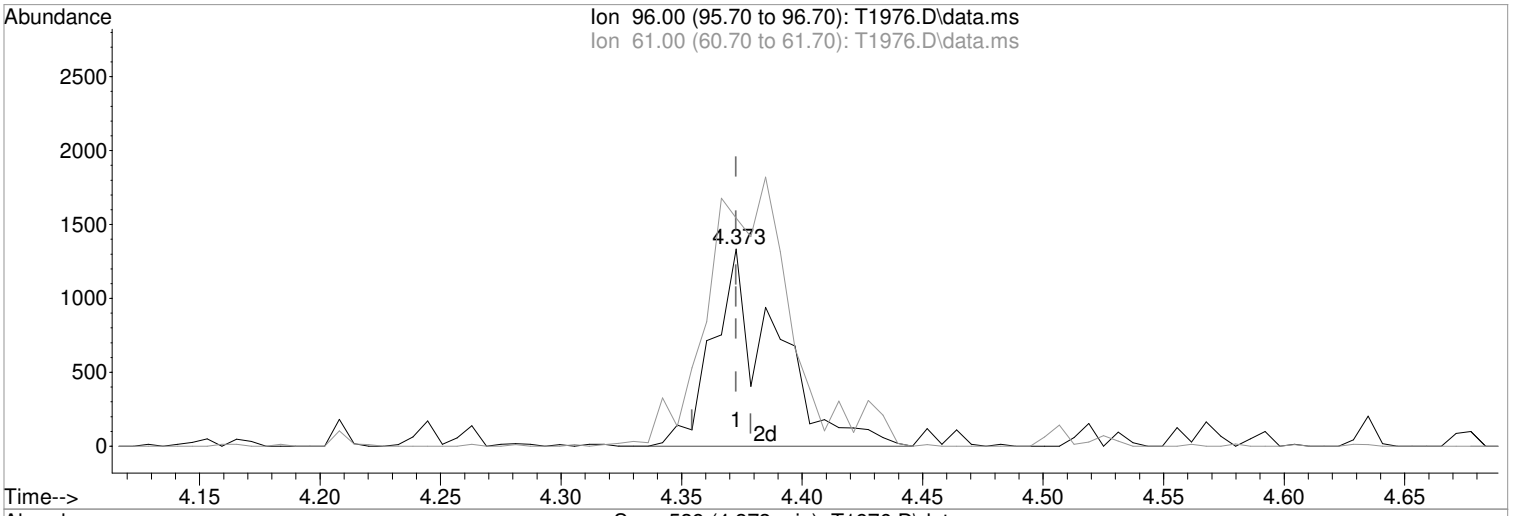
Before

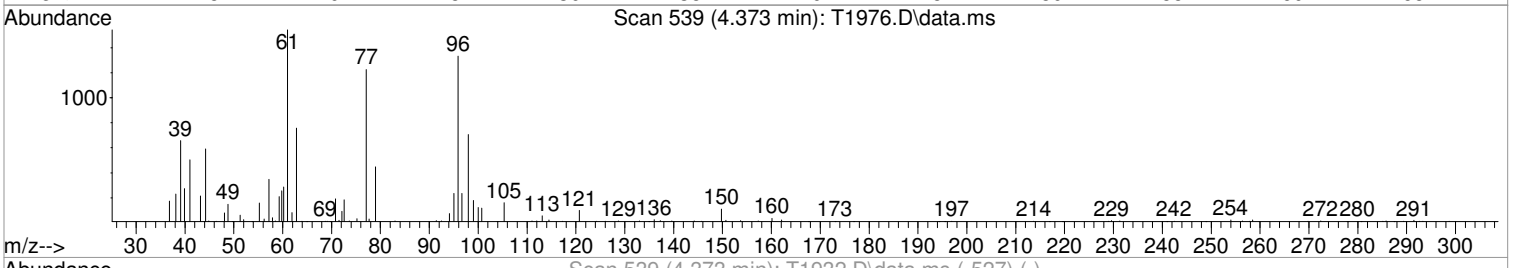
09/17/20

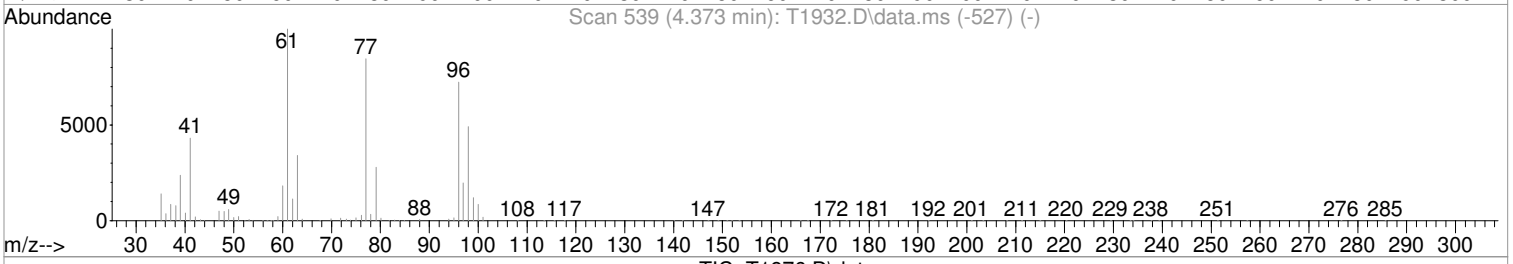
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

4.373min (-0.000) 0.91 ug/L m

response 2411

Ion	Exp%	Act%
96.00	100	100
61.00	138.40	115.75#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

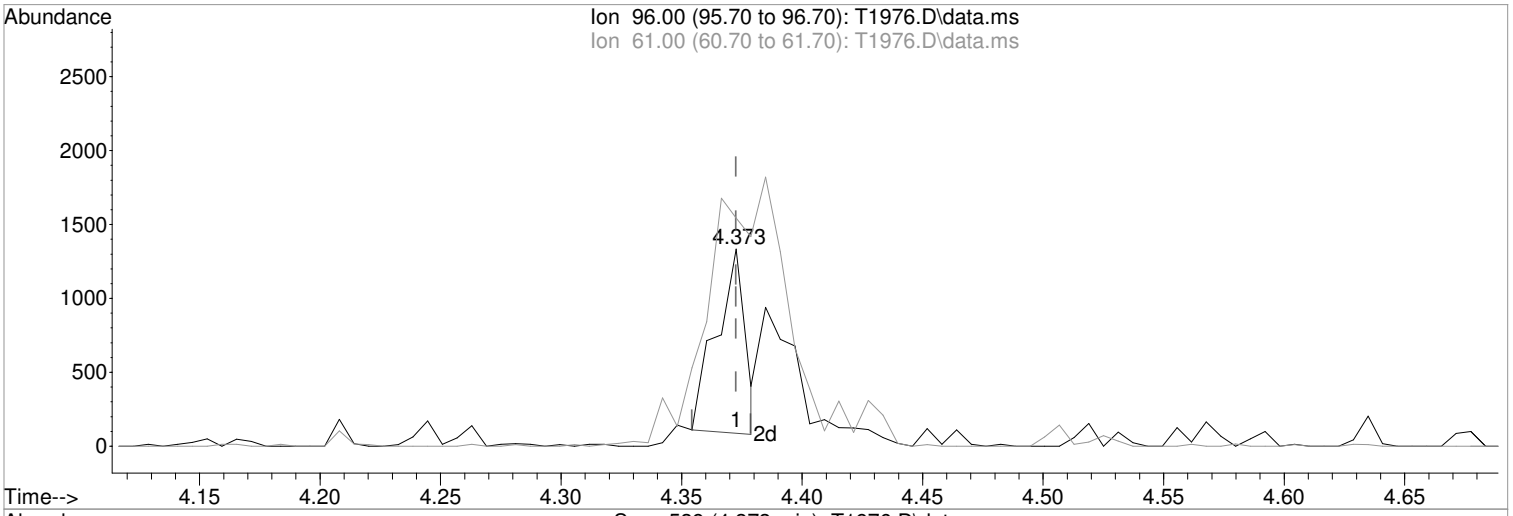
Poor integration.

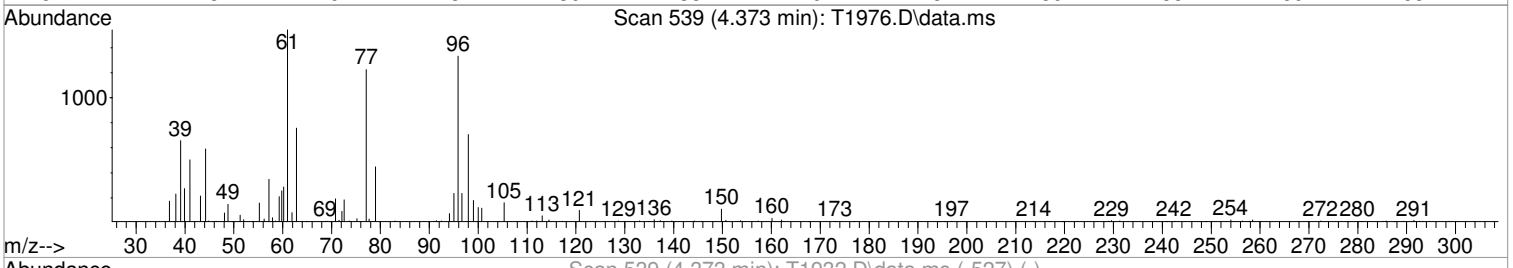
09/17/20

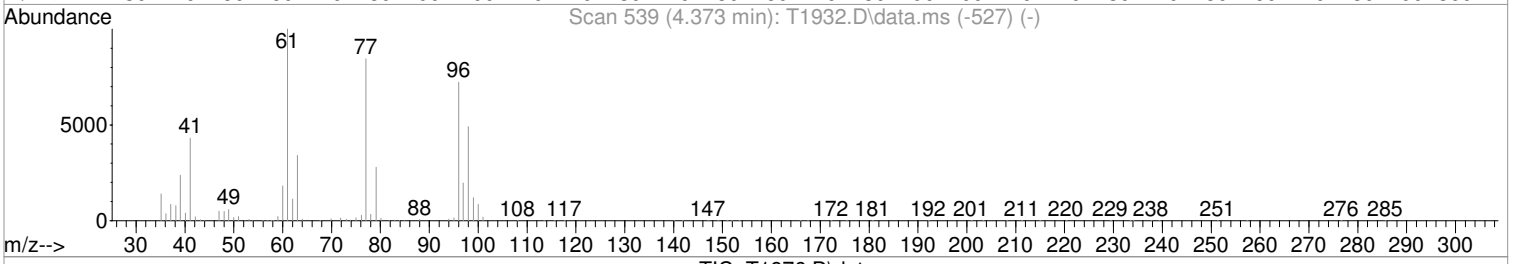
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

4.373min (-0.000) 0.39 ug/L

response 1032

Ion	Exp%	Act%
96.00	100	100
61.00	138.40	98.34#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

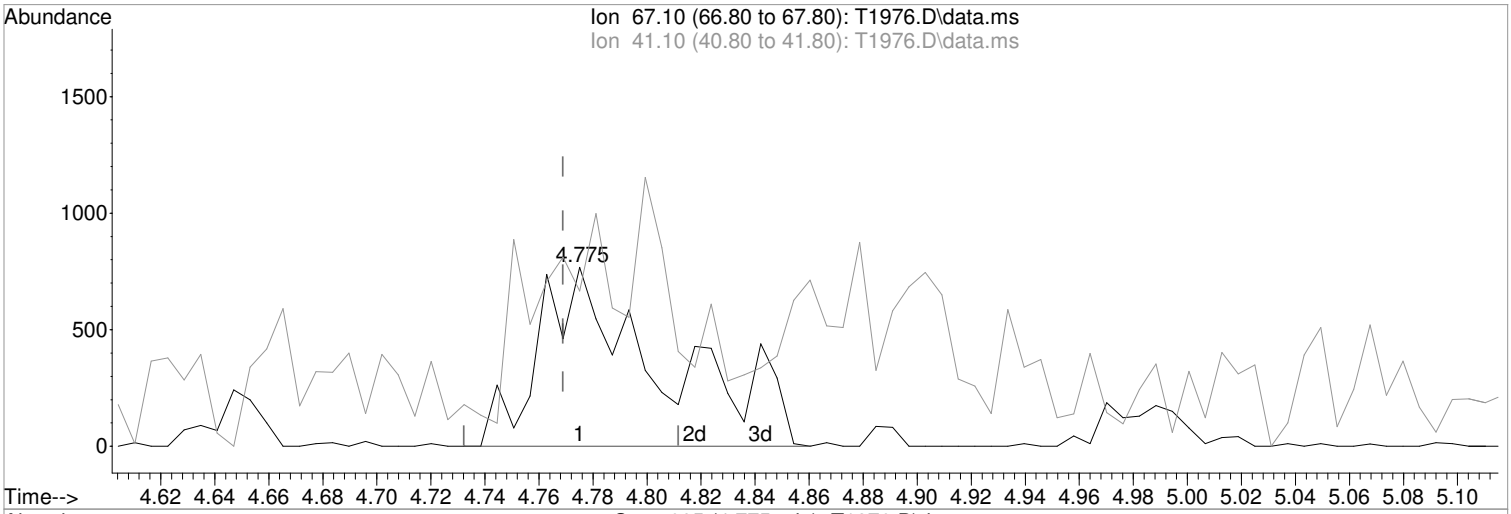
Before

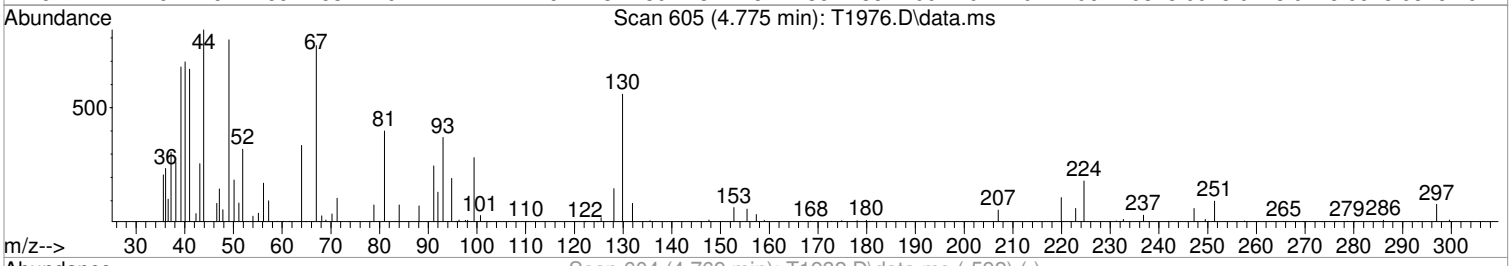
09/17/20

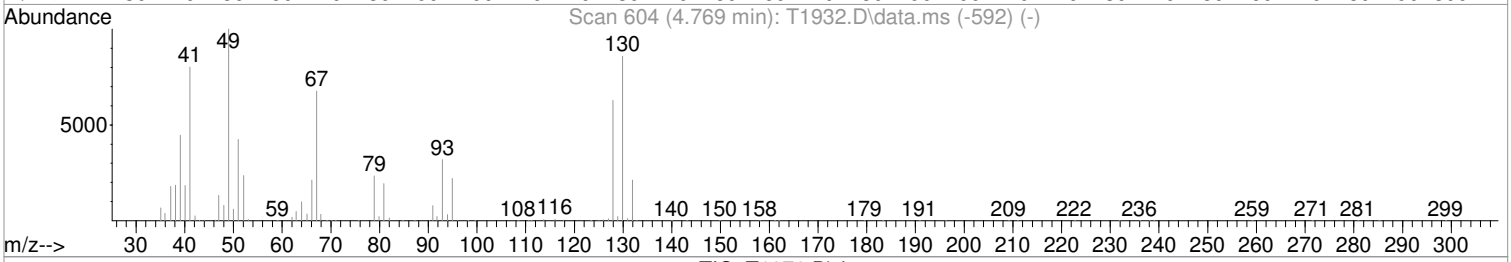
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(37) Methacrylonitrile

4.775min (+0.006) 1.83 ug/L m

response 2454

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	86.72#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

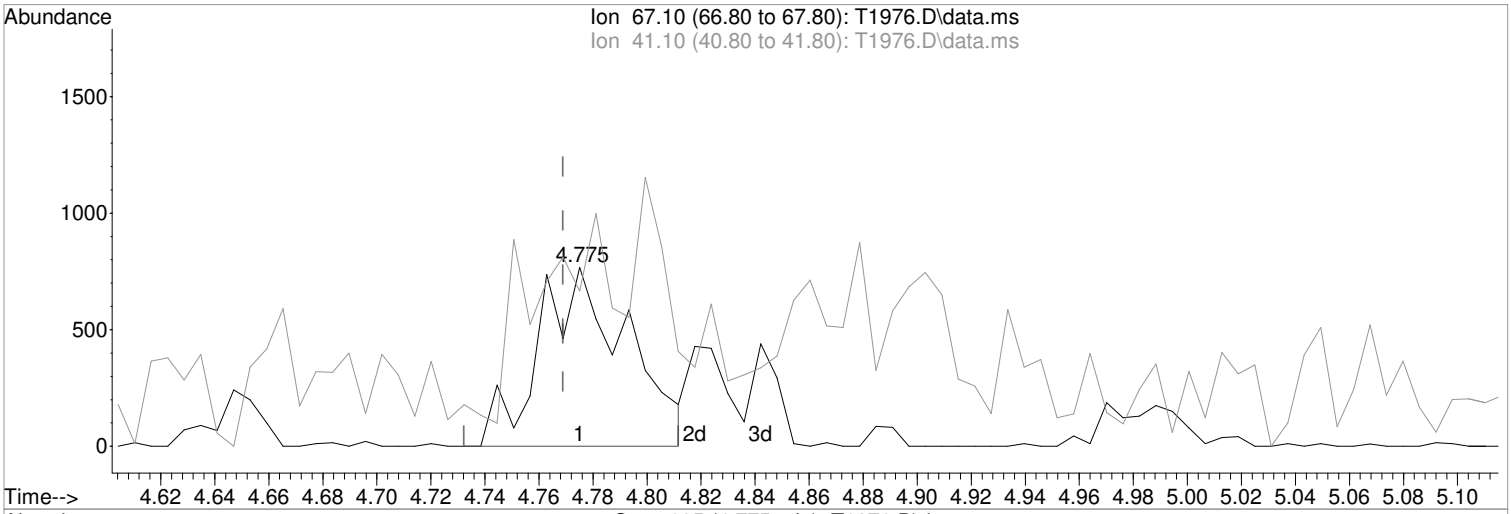
Poor integration.

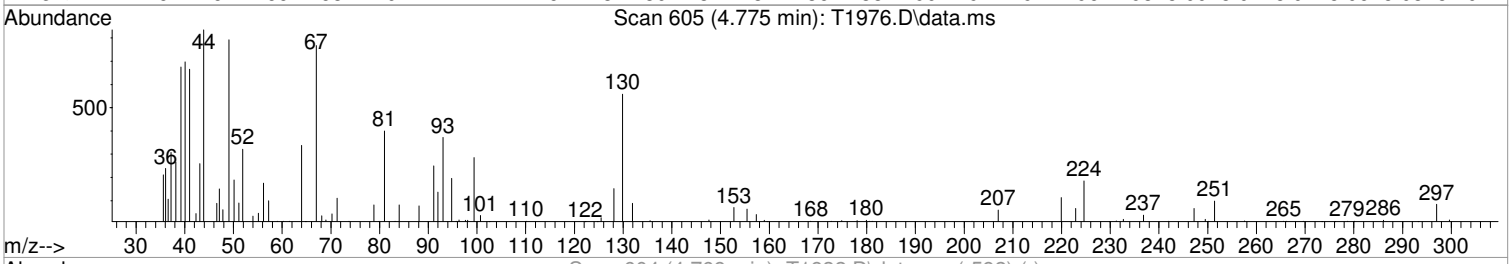
09/17/20

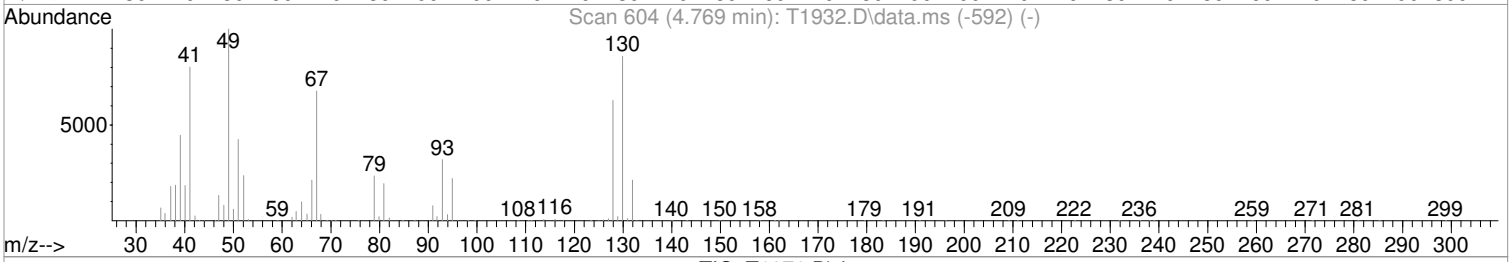
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(37) Methacrylonitrile

4.775min (+0.006) 1.31 ug/L

response 1751

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	86.72#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

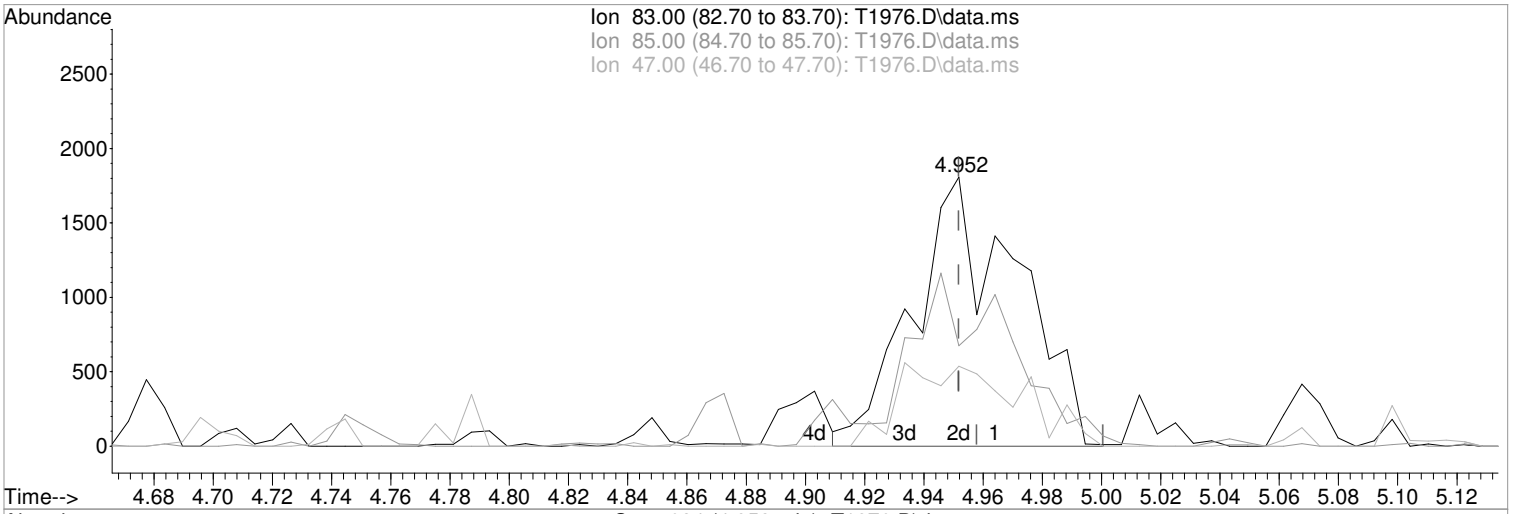
Before

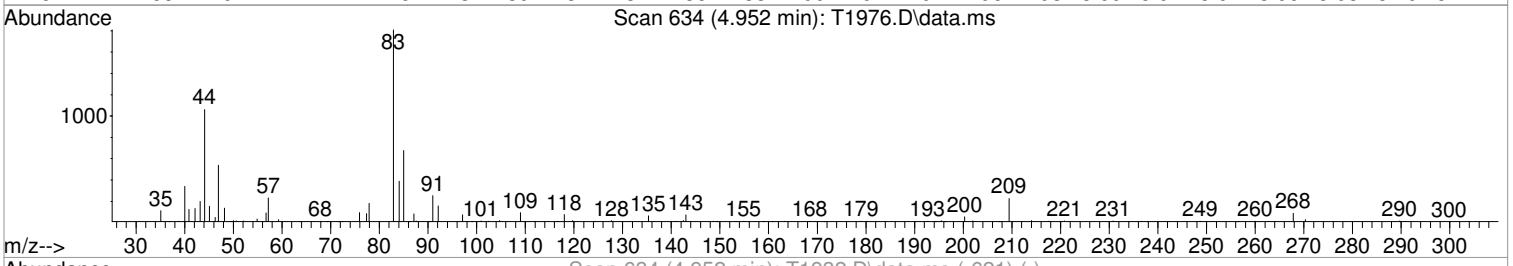
09/17/20

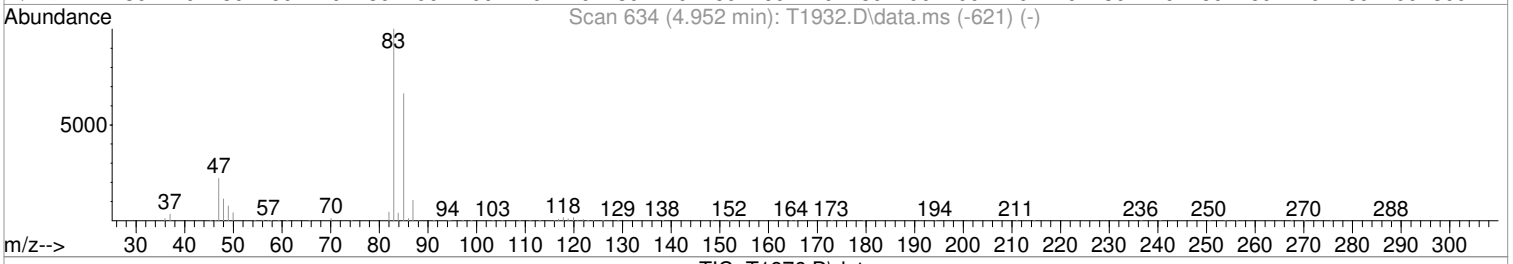
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(39) Chloroform (P)

4.952min (-0.000) 0.97 ug/L m

response 4434

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	37.39#
47.00	22.10	29.76
0.00	0.00	0.00

Manual Integration:

After

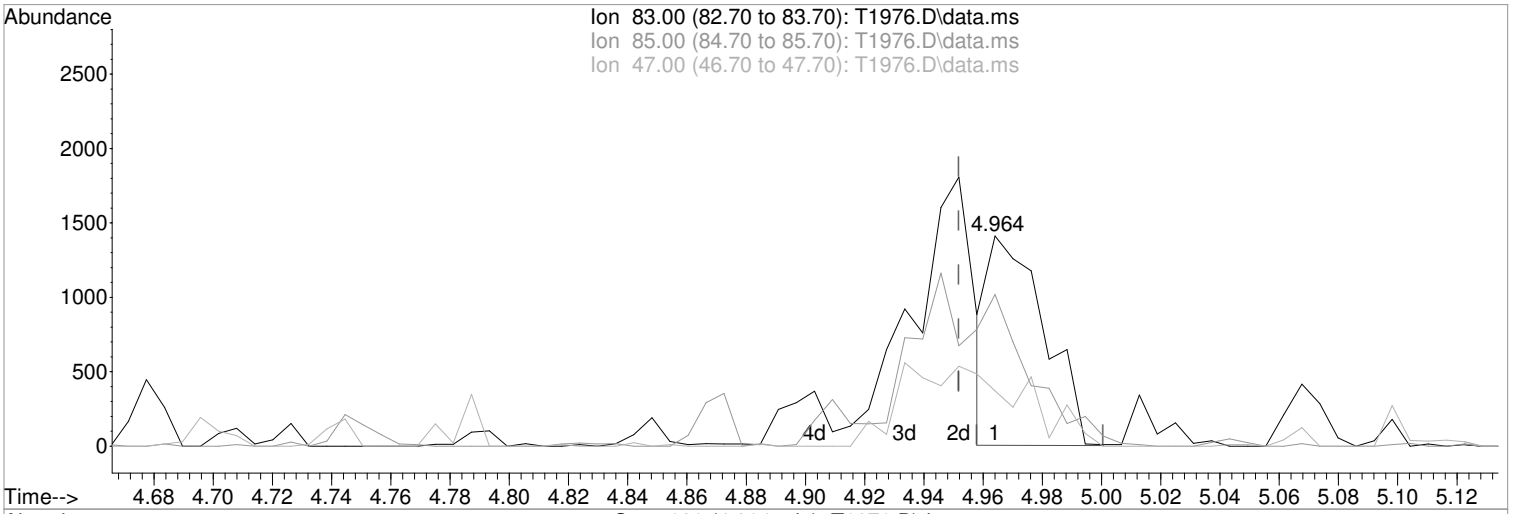
Poor integration.

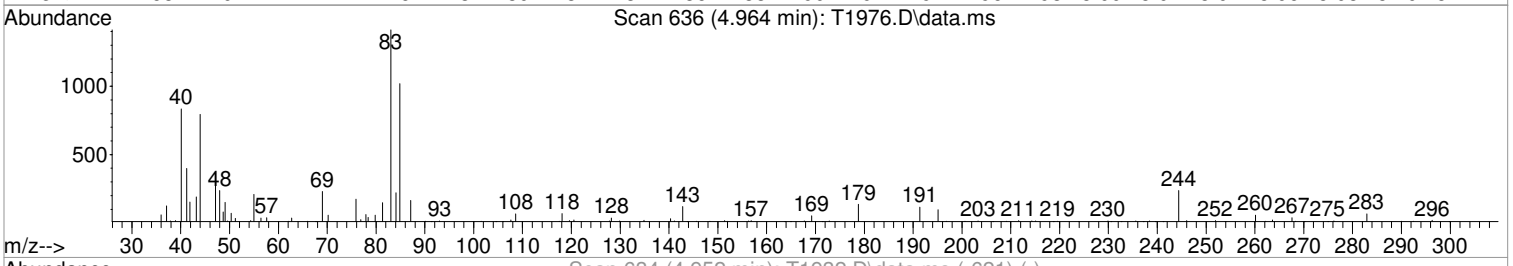
09/17/20

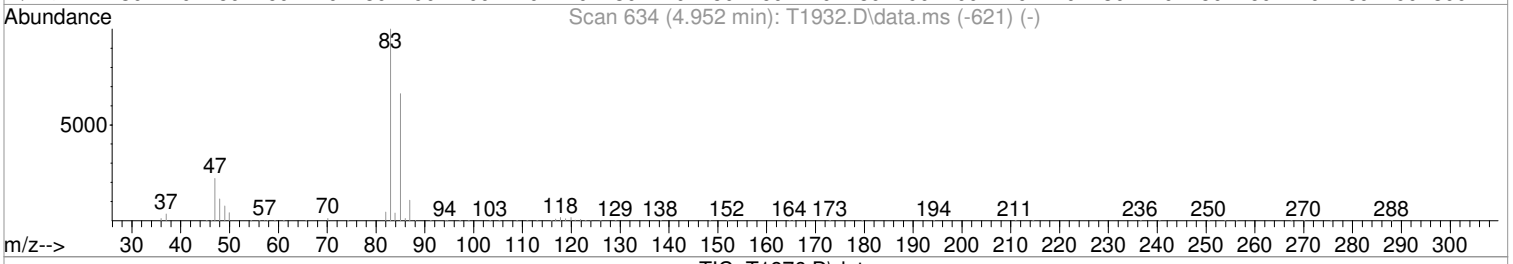
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(39) Chloroform (P)

4.964min (+0.012) 0.41 ug/L

response 1857

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	72.17
47.00	22.10	26.27
0.00	0.00	0.00

Manual Integration:

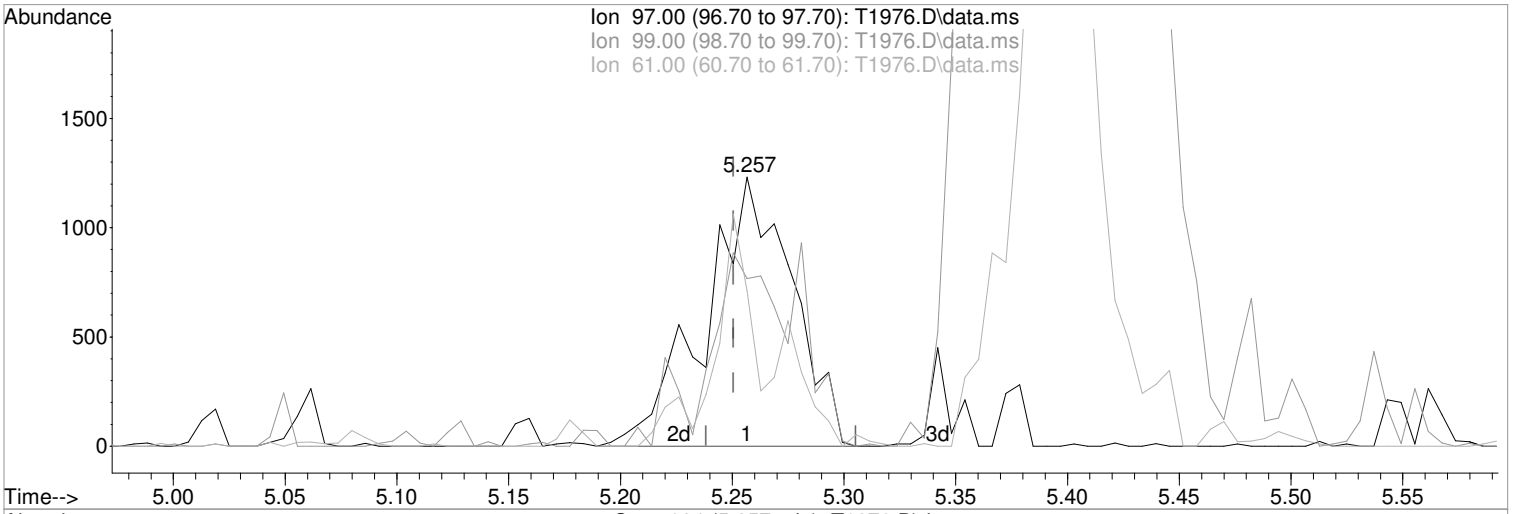
Before

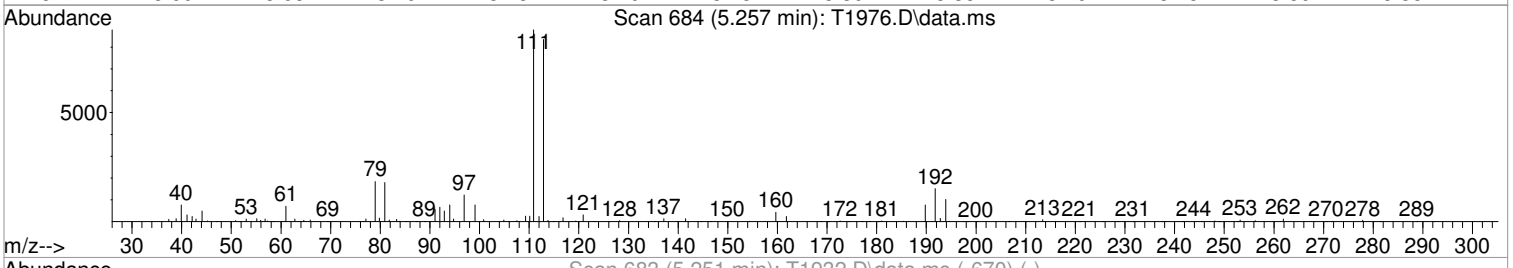
09/17/20

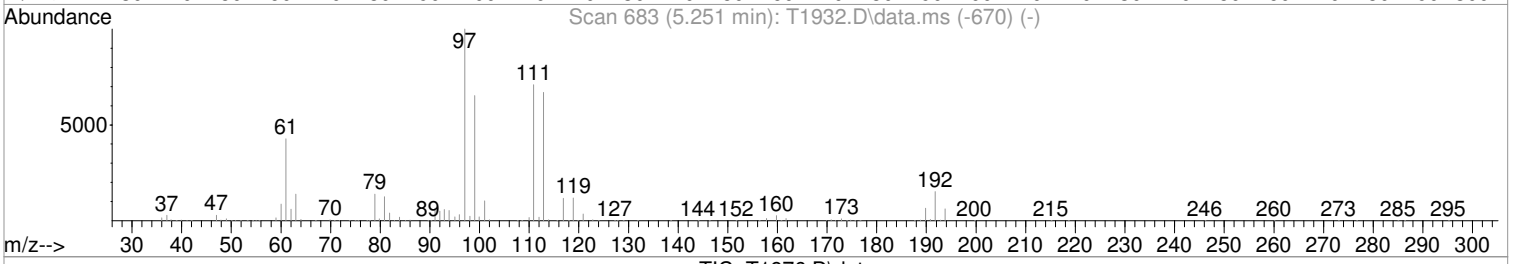
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

5.257min (+0.006) 0.82 ug/L m

response 3346

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	62.31
61.00	42.70	57.76
0.00	0.00	0.00

Manual Integration:

After

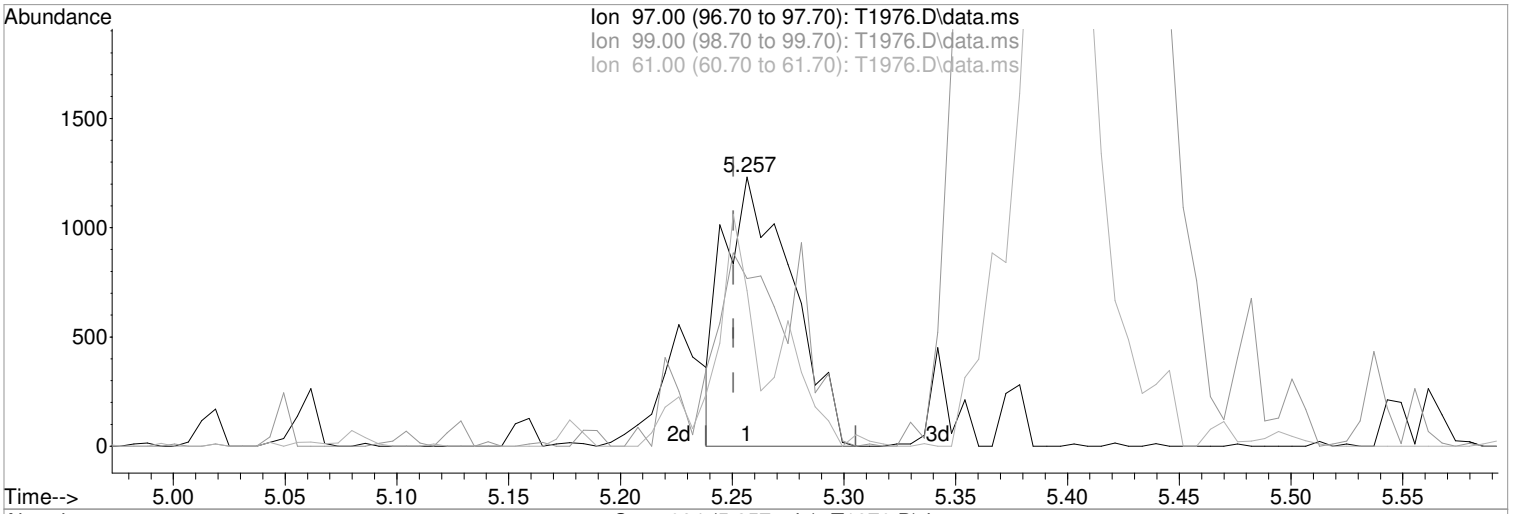
Poor integration.

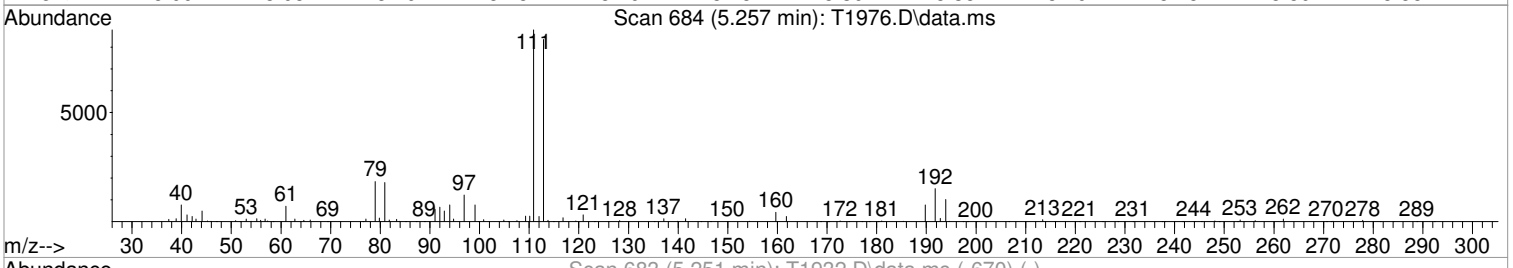
09/17/20

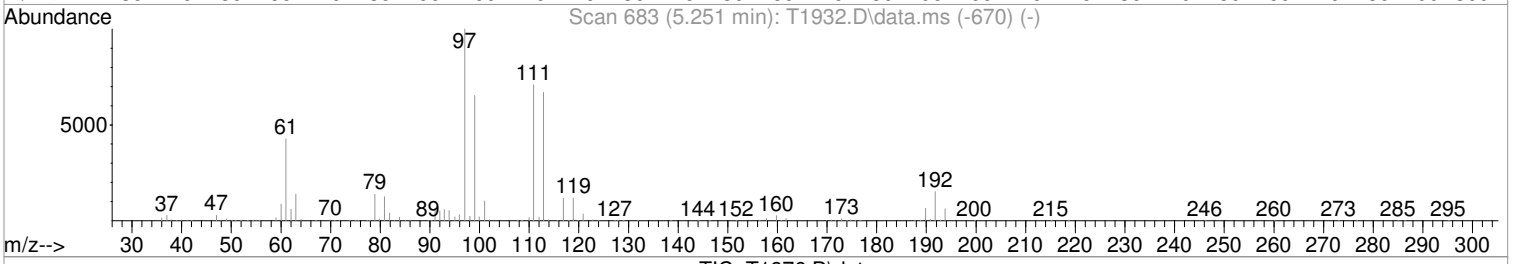
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

5.257min (+0.006) 0.64 ug/L

response 2623

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	62.31
61.00	42.70	57.76
0.00	0.00	0.00

Manual Integration:

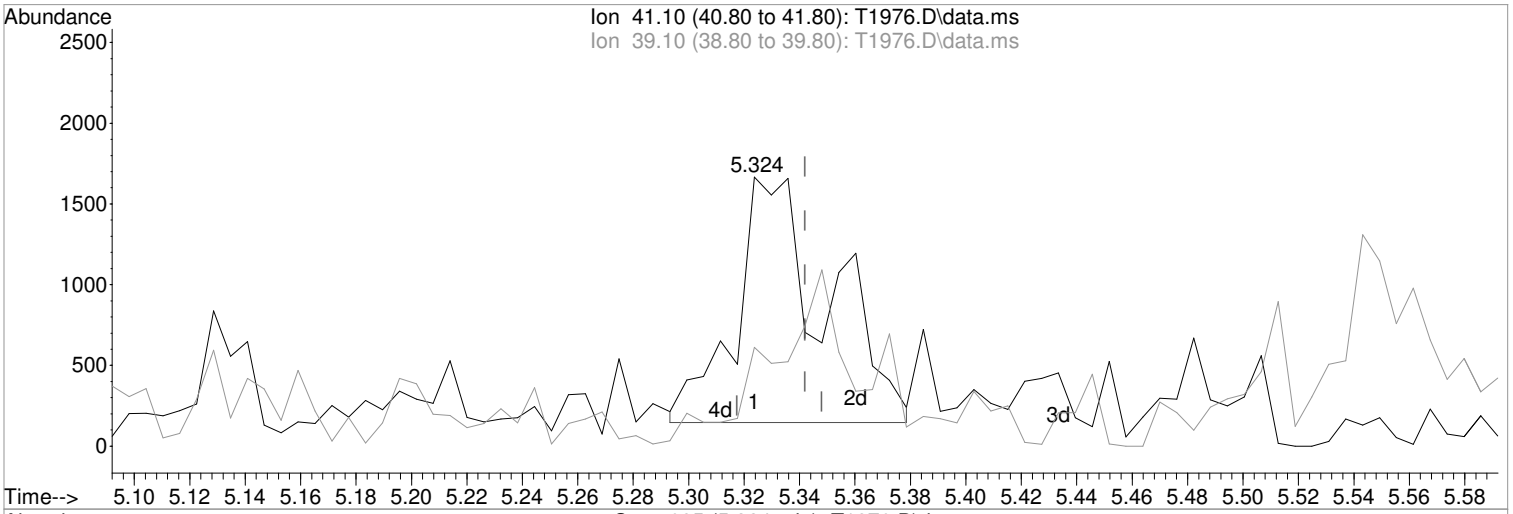
Before

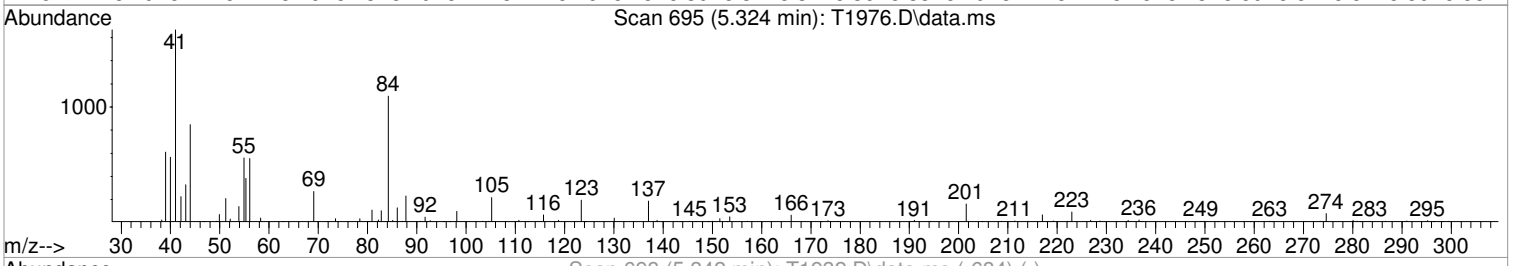
09/17/20

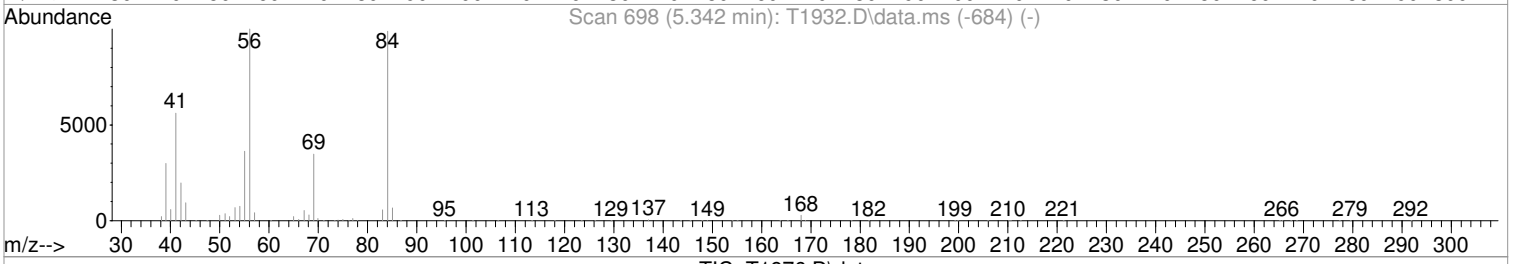
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(42) Cyclohexane (P)

5.324min (-0.018) 1.60 ug/L m

response 3509

Ion	Exp%	Act%
41.10	100	100
39.10	53.20	36.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

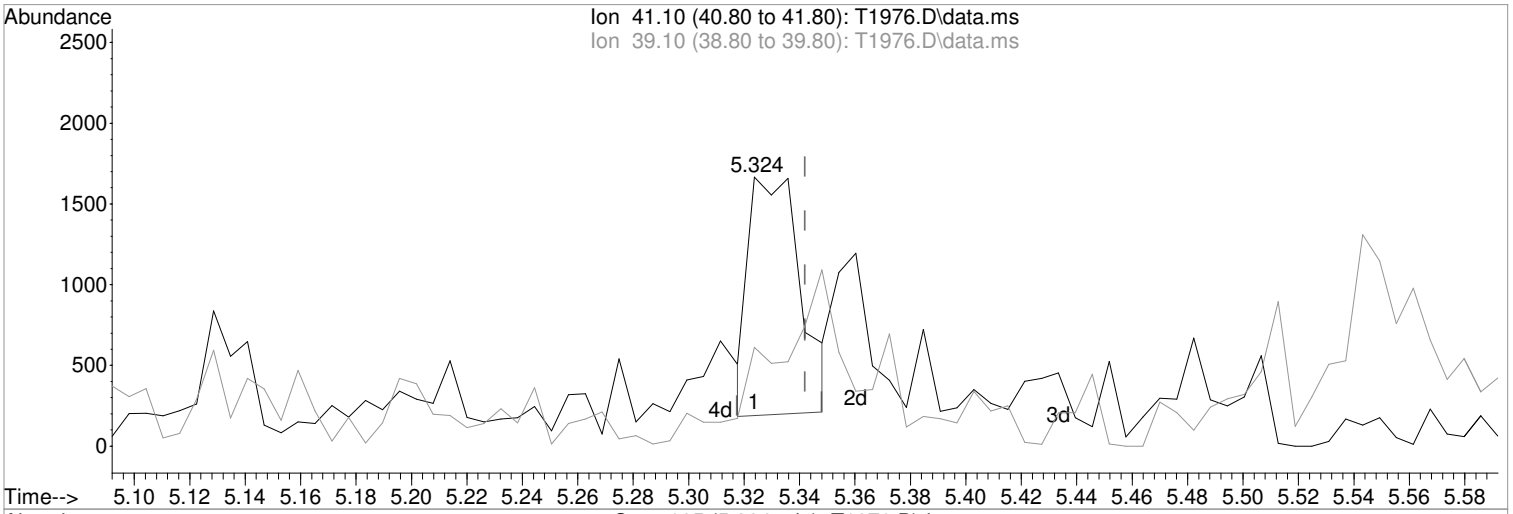
Peak not found.

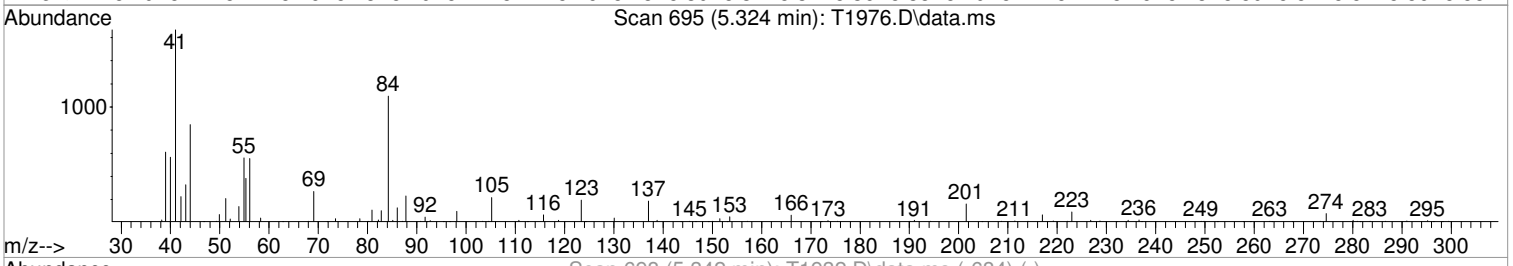
09/17/20

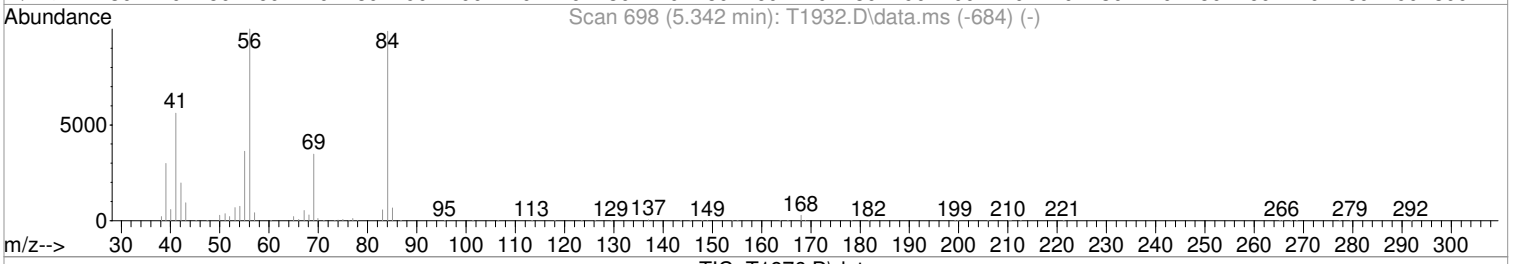
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(42) Cyclohexane (P)

5.324min (-0.018) 0.88 ug/L

response 1915

Ion	Exp%	Act%
41.10	100	100
39.10	53.20	36.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

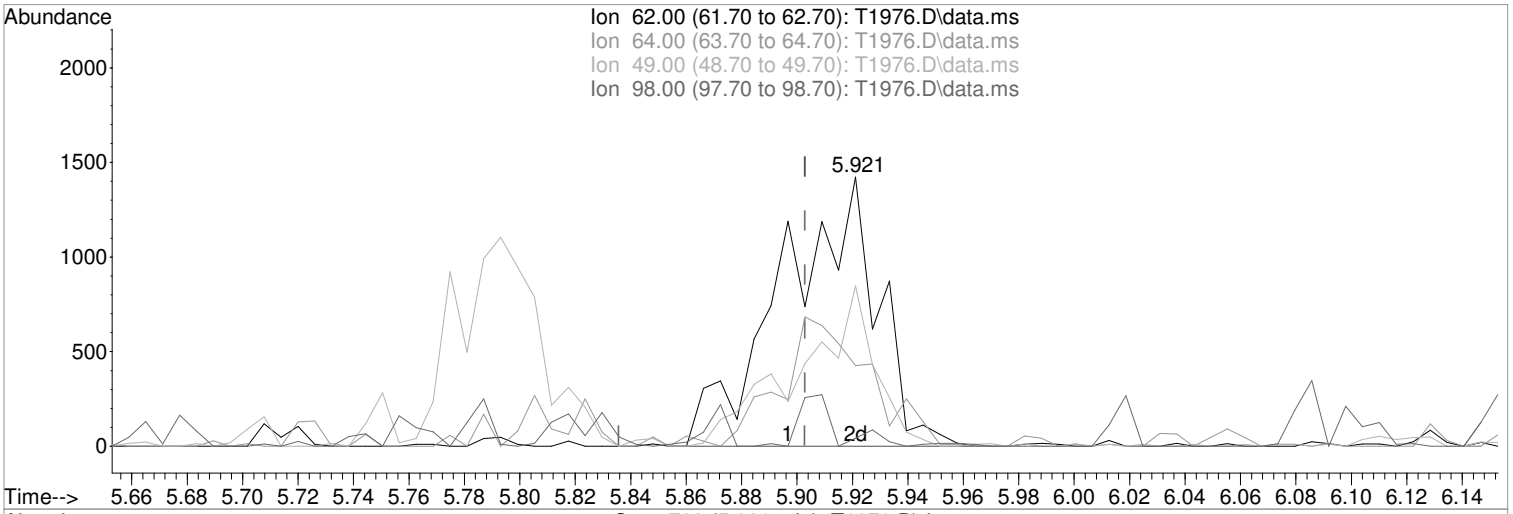
Before

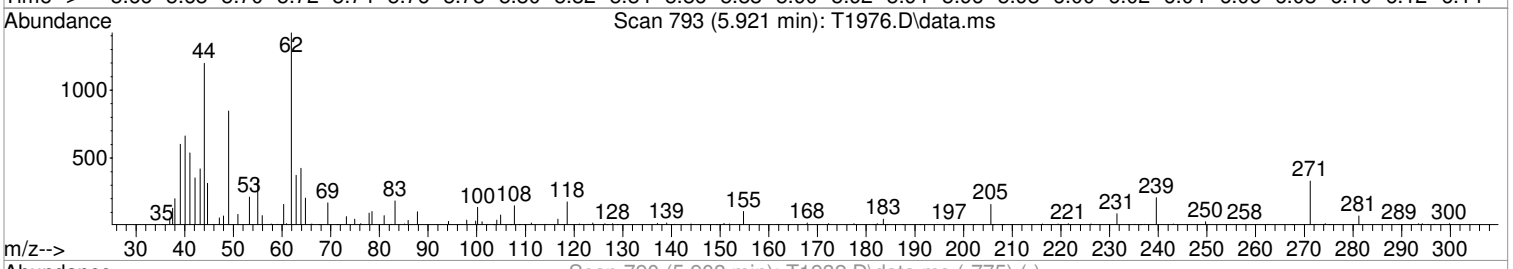
09/17/20

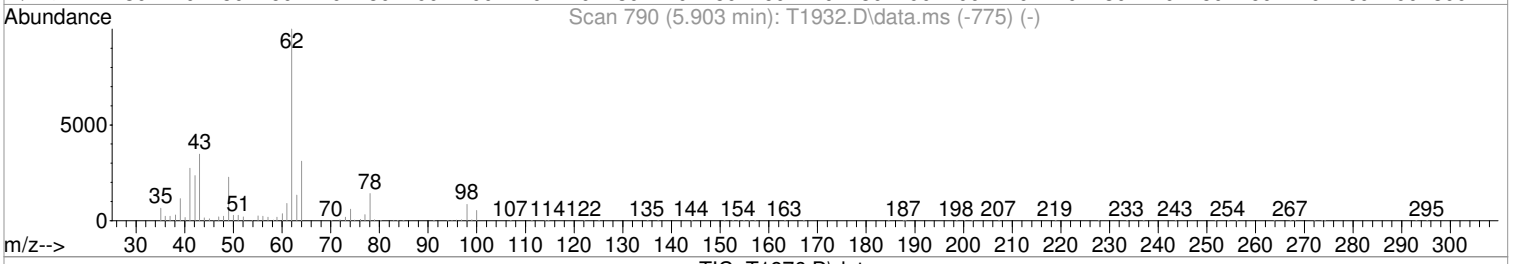
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(48) 1,2-Dichloroethane (P)

5.921min (+0.018) 0.87 ug/L m

response 3415

Ion	Exp%	Act%
62.00	100	100
64.00	31.70	29.96
49.00	23.50	59.63#
98.00	8.60	2.95

Manual Integration:

After

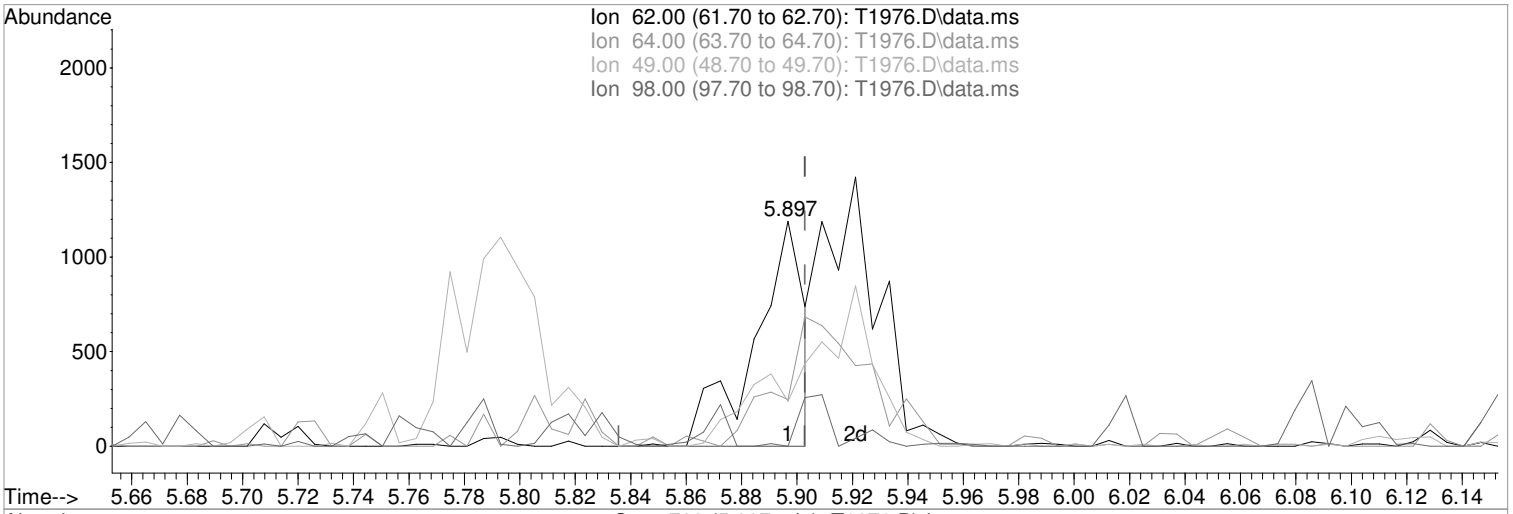
Poor integration.

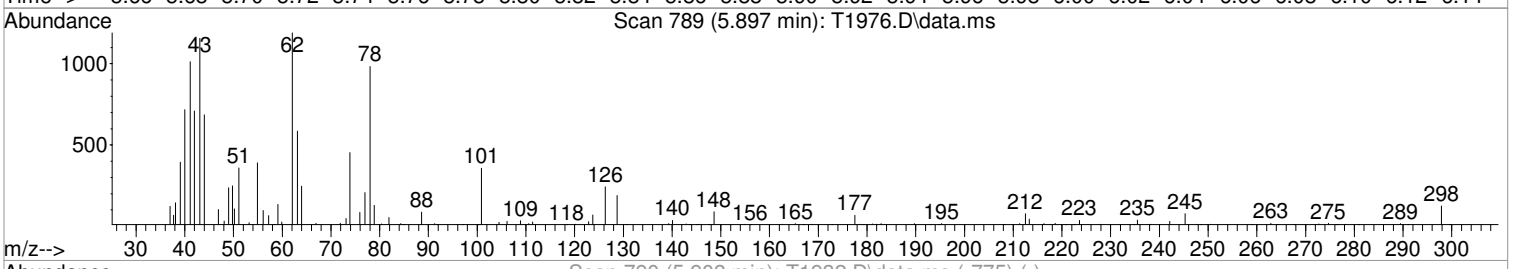
09/17/20

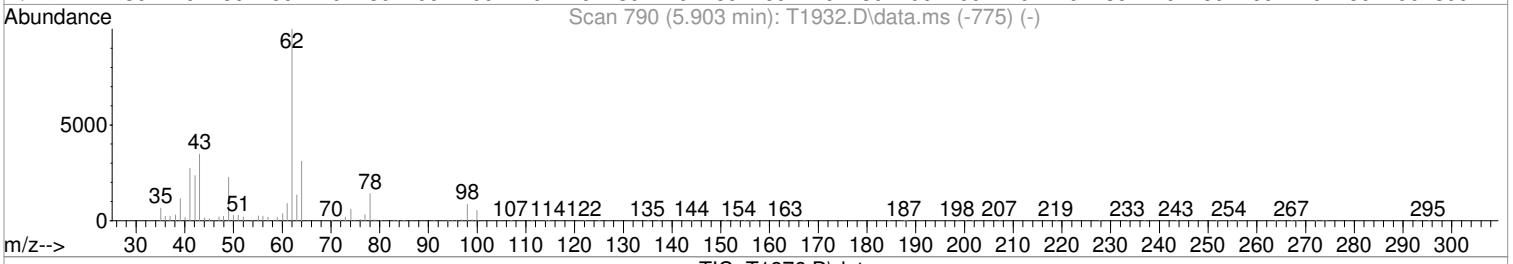
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(48) 1,2-Dichloroethane (P)

5.897min (-0.006) 0.38 ug/L

response 1479

Ion	Exp%	Act%
62.00	100	100
64.00	31.70	20.76
49.00	23.50	19.92
98.00	8.60	0.00

Manual Integration:

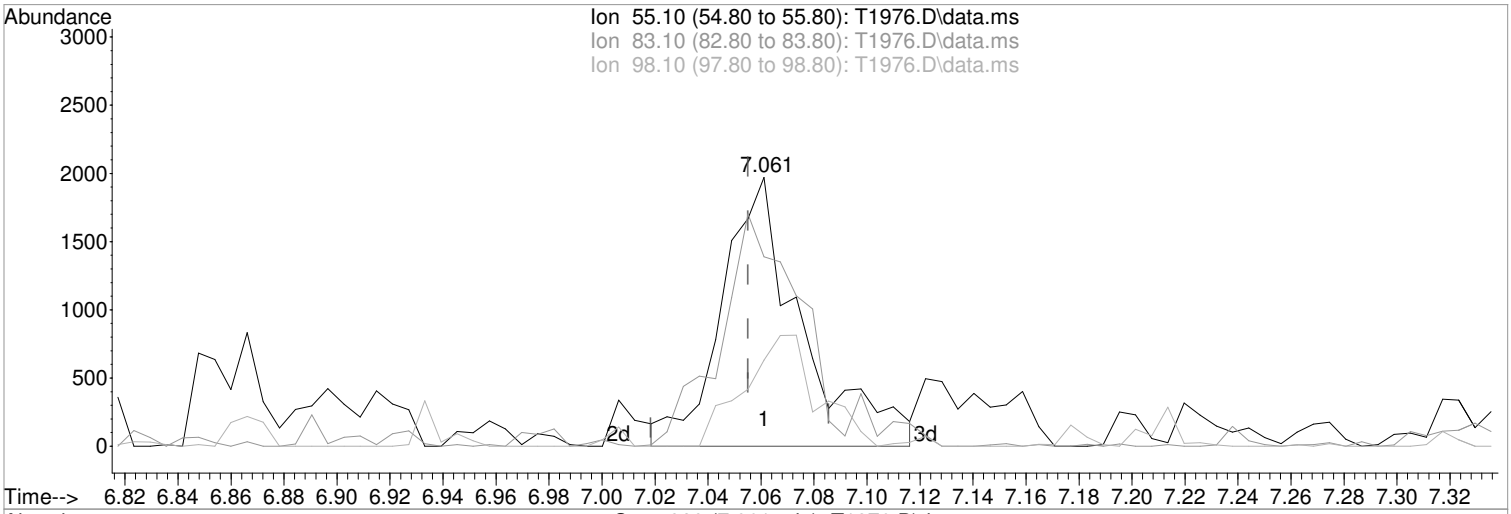
Before

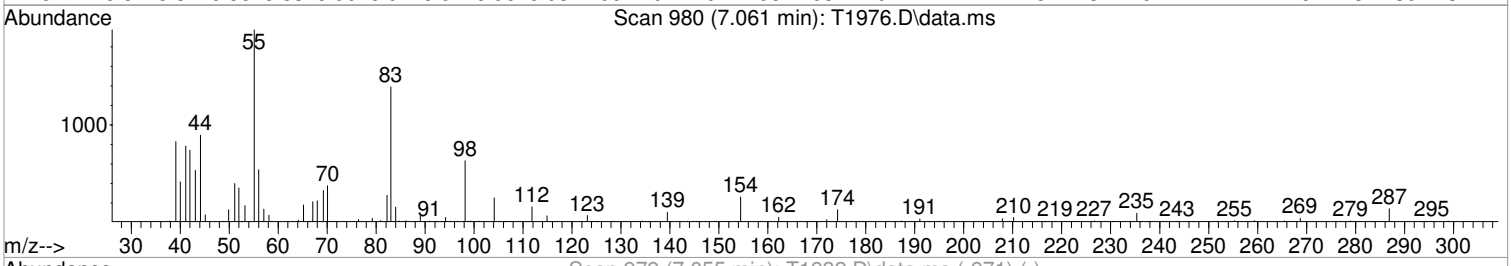
09/17/20

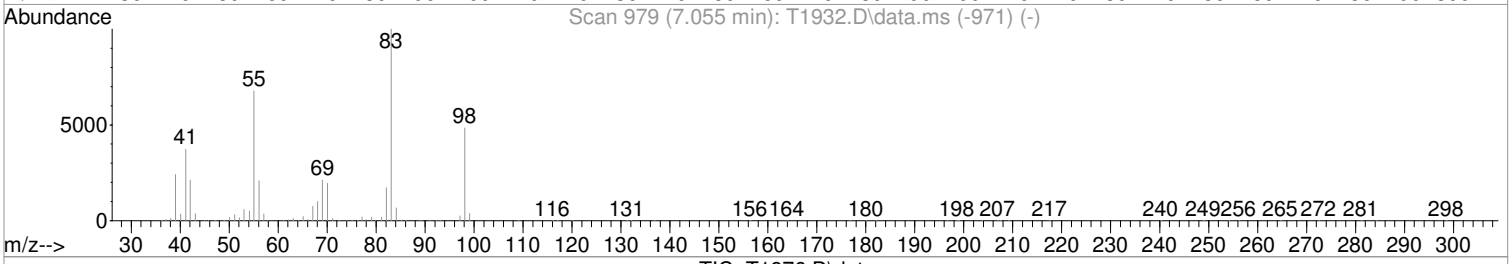
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(54) Methylcyclohexane (P)

7.061min (+0.006) 1.43 ug/L m

response 4110

Ion	Exp%	Act%
55.10	100	100
83.10	147.30	70.39#
98.10	71.40	32.05#
0.00	0.00	0.00

Manual Integration:

After

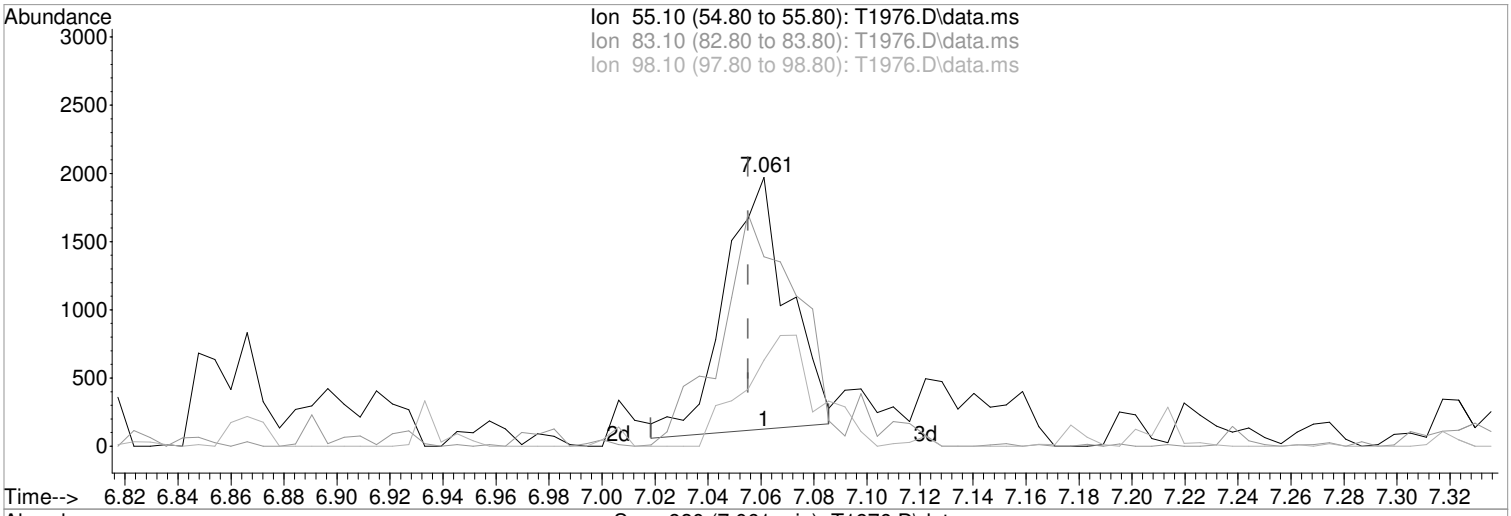
Poor integration.

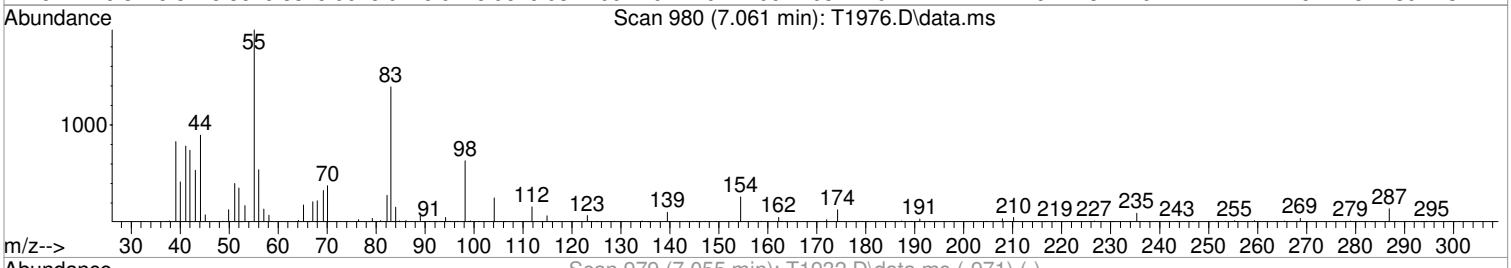
09/17/20

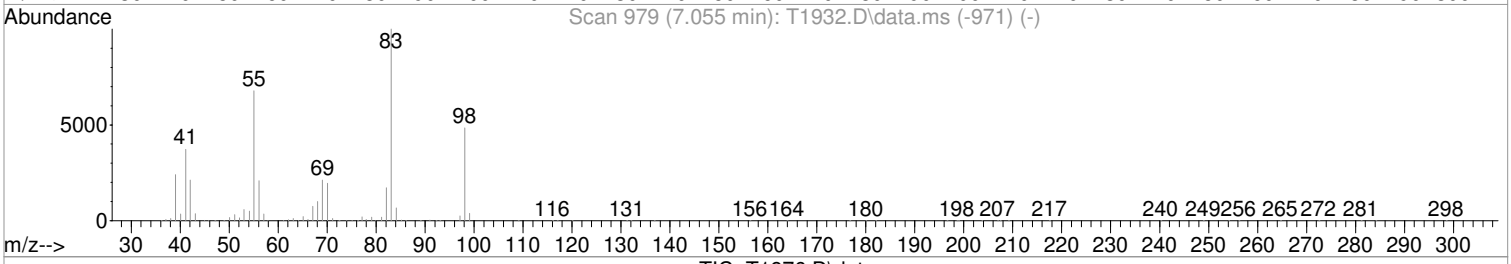
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(54) Methylcyclohexane (P)

7.061min (+0.006) 1.08 ug/L

response 3095

Ion	Exp%	Act%
55.10	100	100
83.10	147.30	70.39#
98.10	71.40	32.05#
0.00	0.00	0.00

Manual Integration:

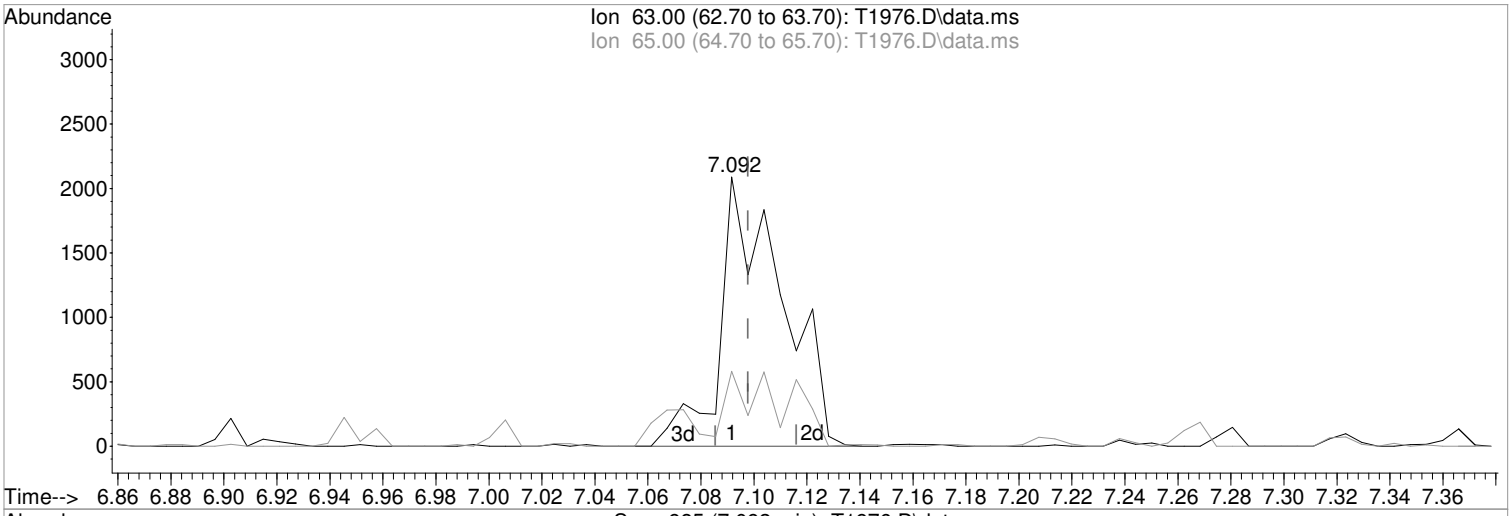
Before

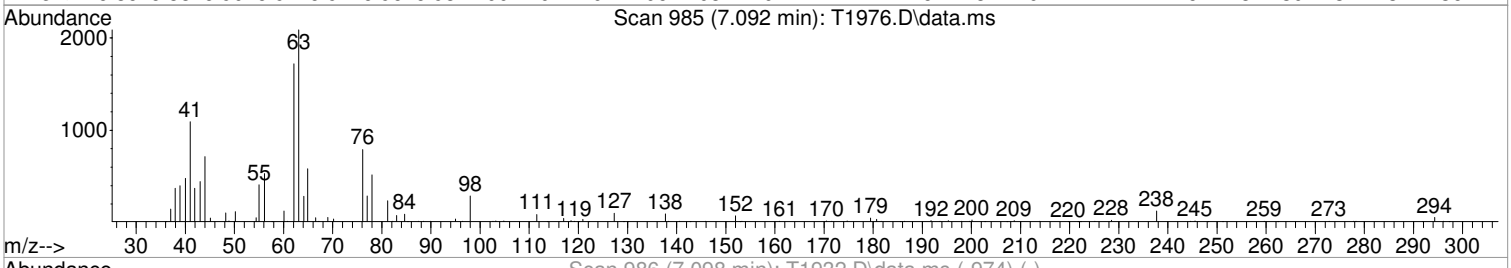
09/17/20

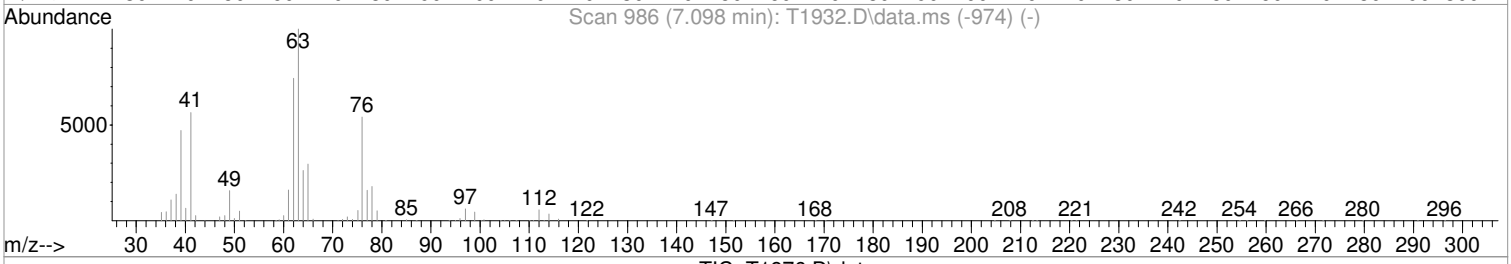
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(55) 1,2-Diclpropane (P)

7.092min (-0.006) 1.35 ug/L m

response 3401

Ion	Exp%	Act%
63.00	100	100
65.00	29.80	27.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

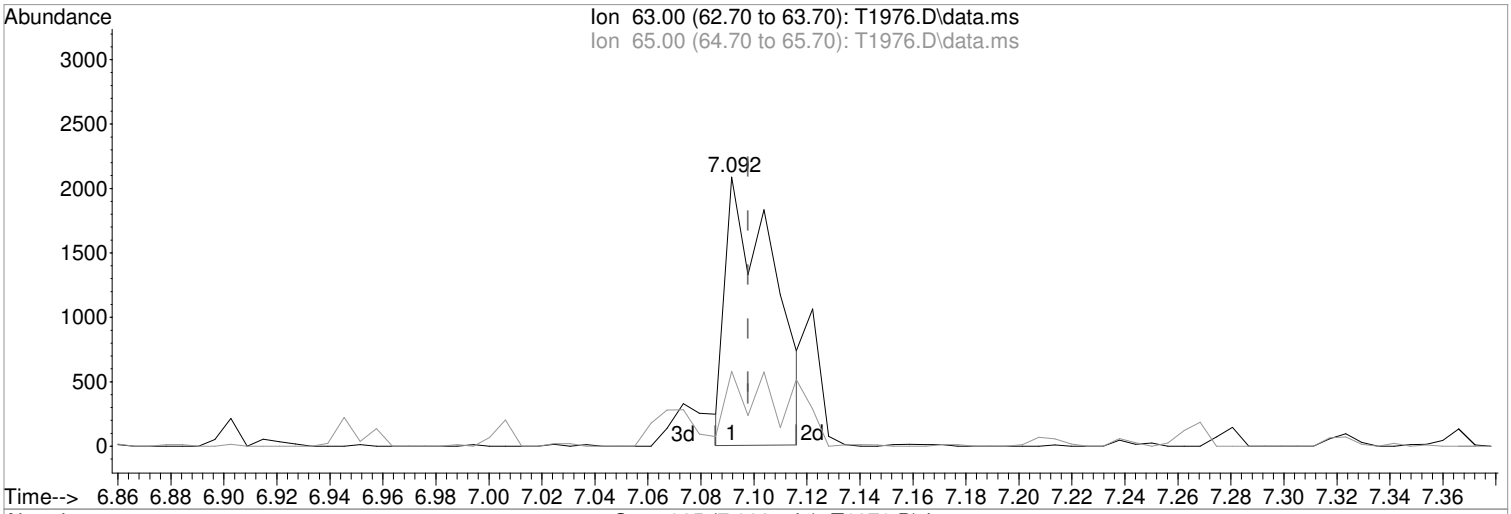
Poor integration.

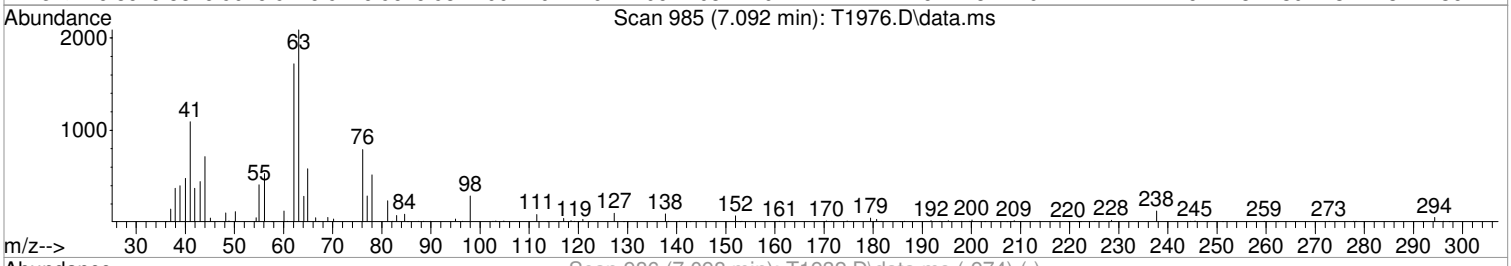
09/17/20

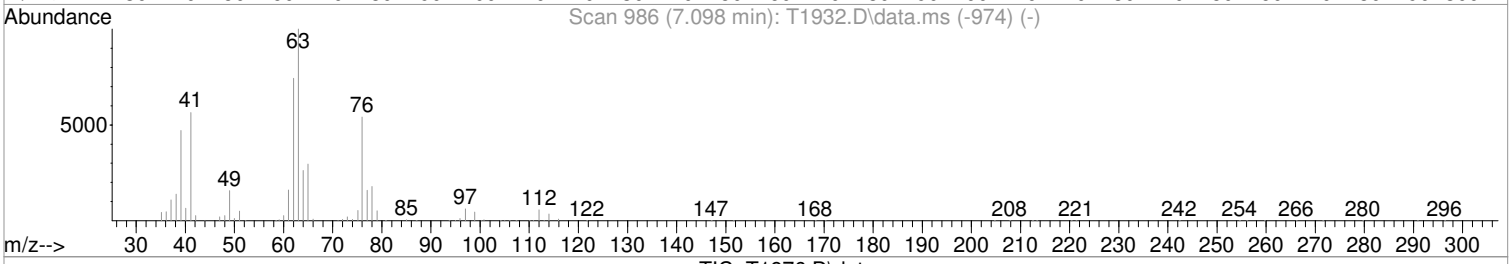
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(55) 1,2-Diclpropane (P)

7.092min (-0.006) 1.03 ug/L

response 2609

Ion	Exp%	Act%
63.00	100	100
65.00	29.80	27.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

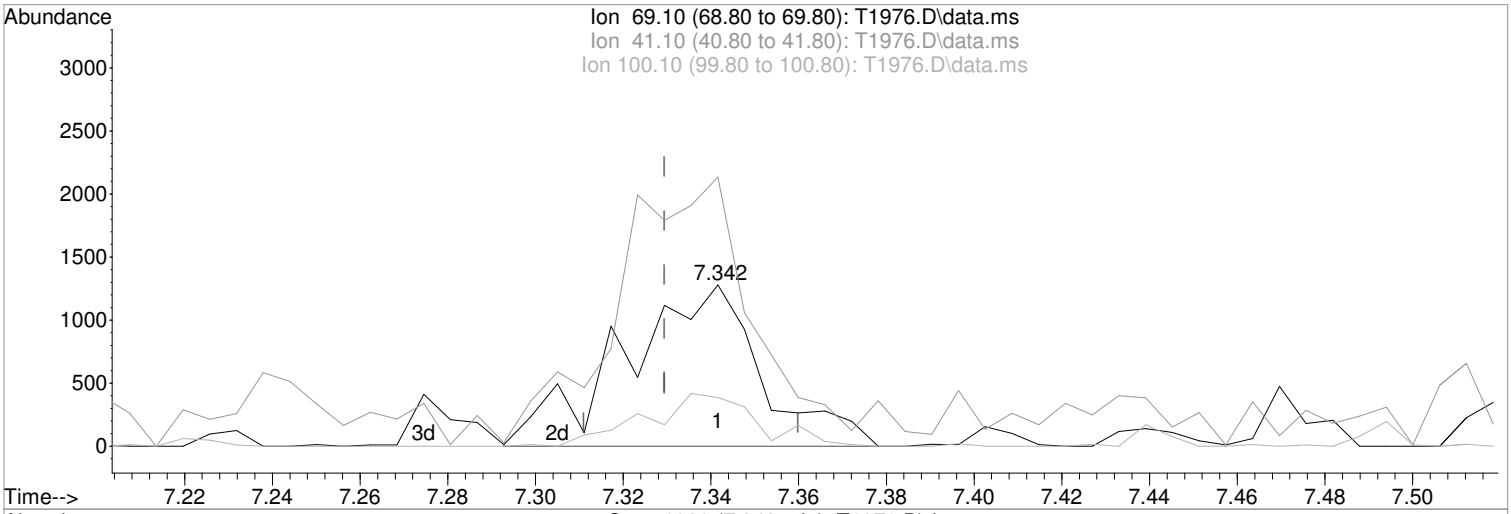
Before

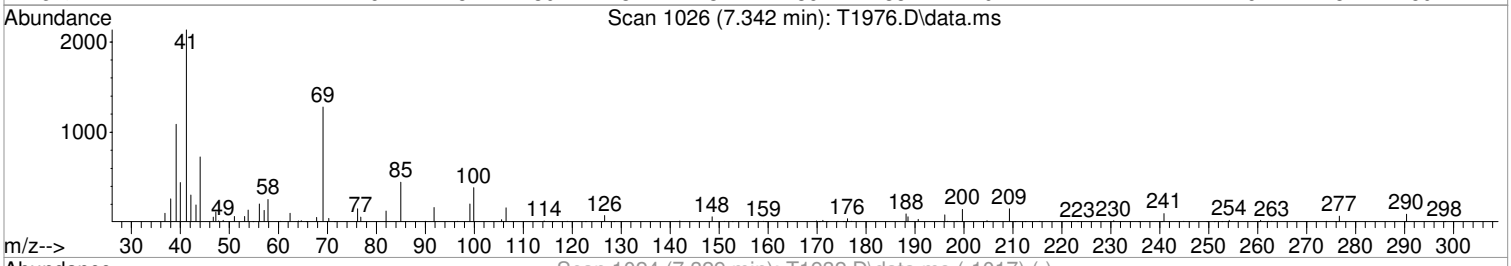
09/17/20

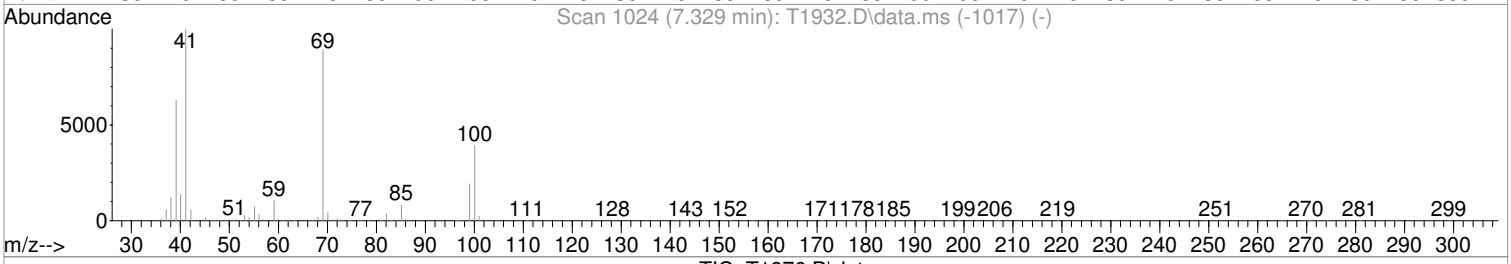
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.012) 1.08 ug/L m

response 2811

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	166.64#
100.10	43.80	30.16
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

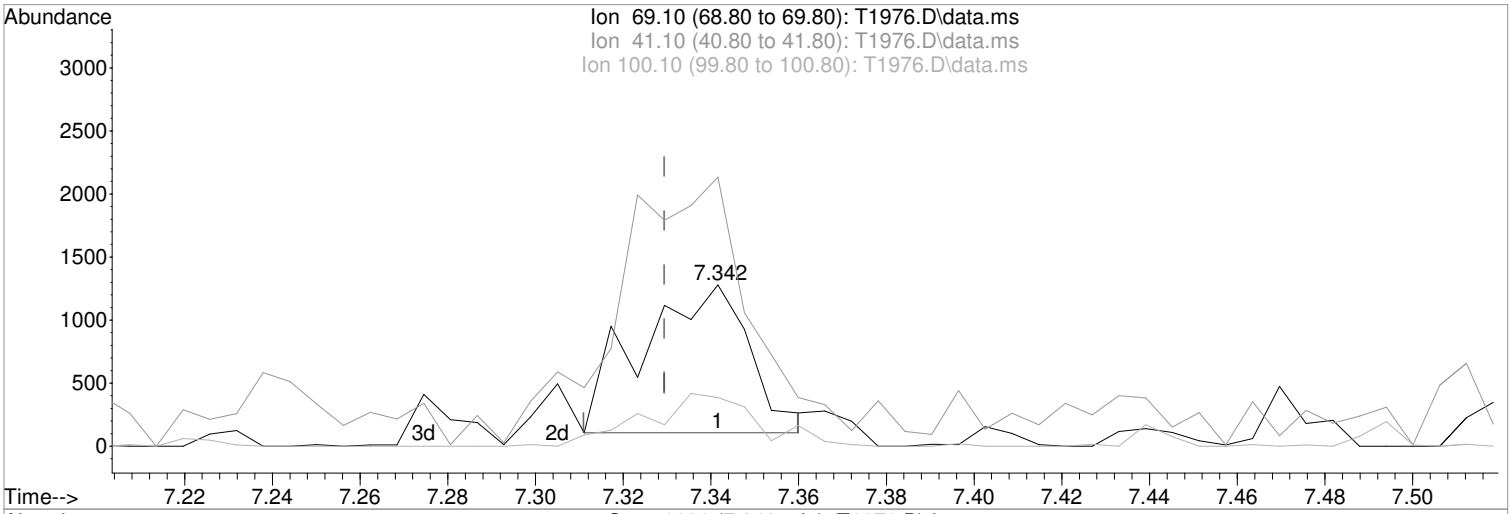
09/17/20

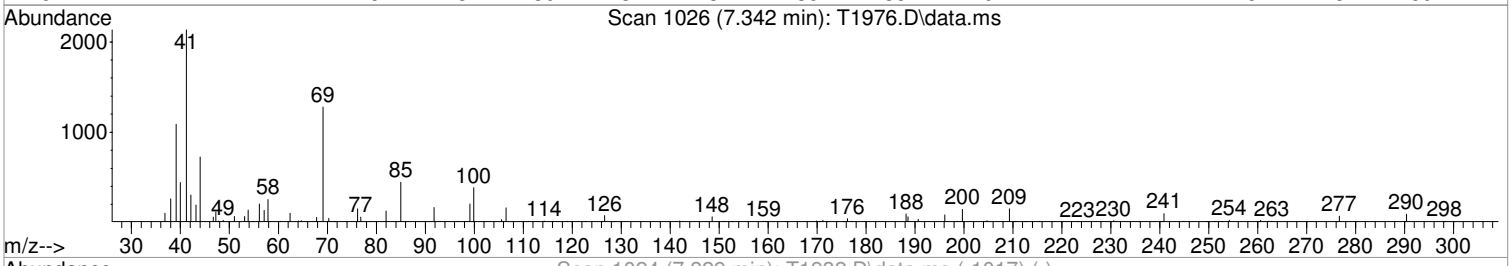
1st FN 09/18/20
2nd 09/19/20

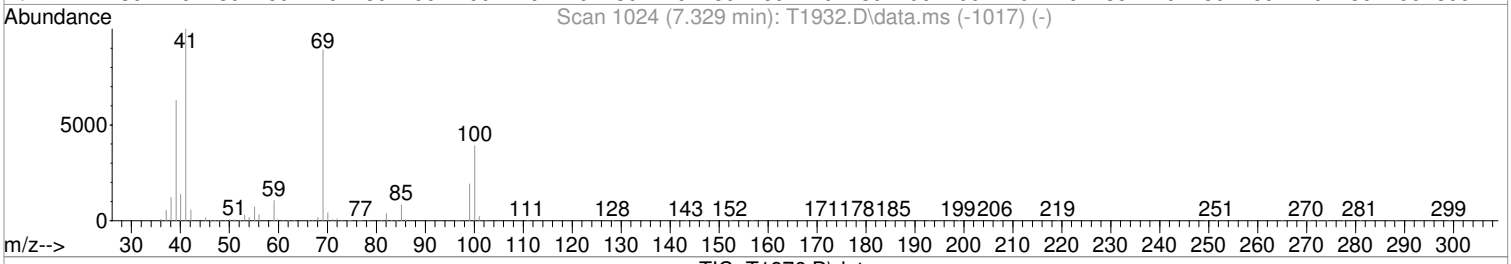
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.012) 0.78 ug/L

response 2015

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	166.64#
100.10	43.80	30.16
0.00	0.00	0.00

Manual Integration:

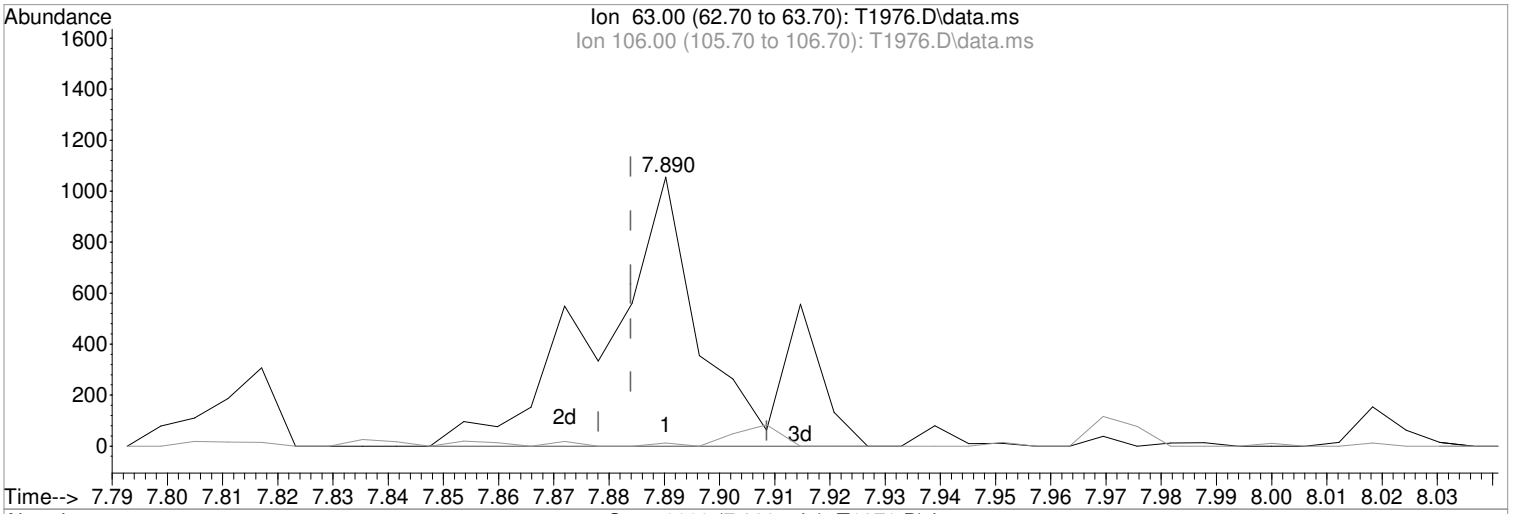
Before

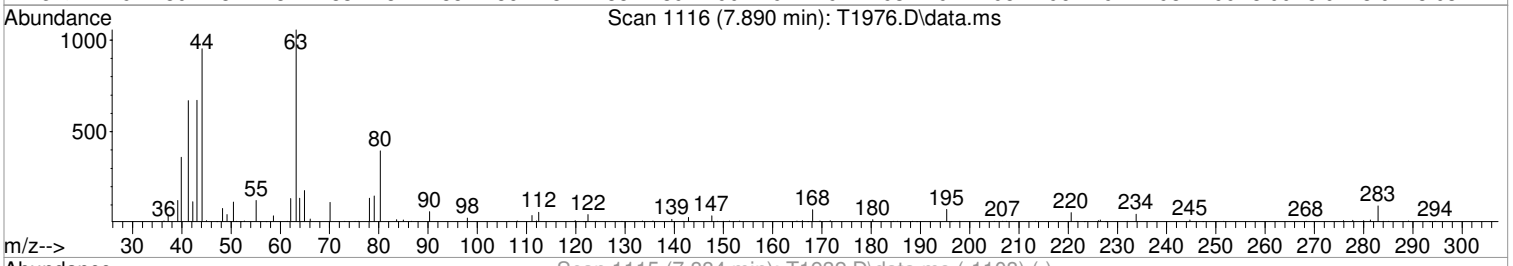
09/17/20

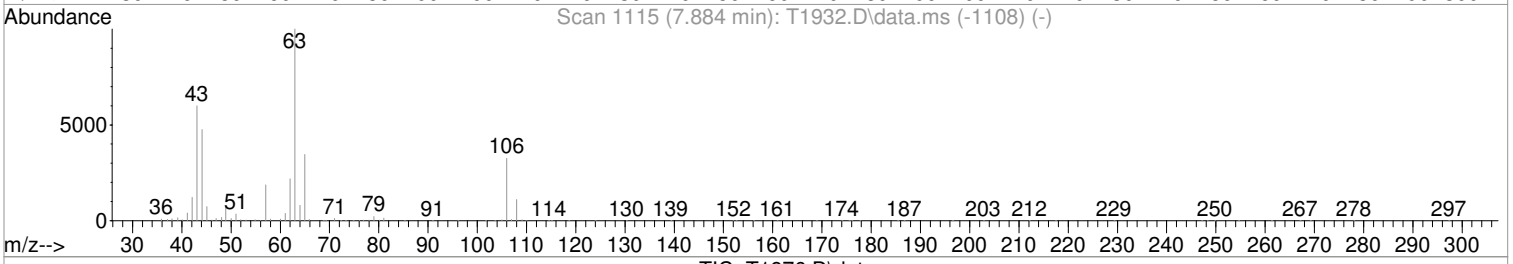
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.890min (+0.006) 1.27 ug/L m

response 1533

Ion	Exp%	Act%
63.00	100	100
106.00	32.60	1.14#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

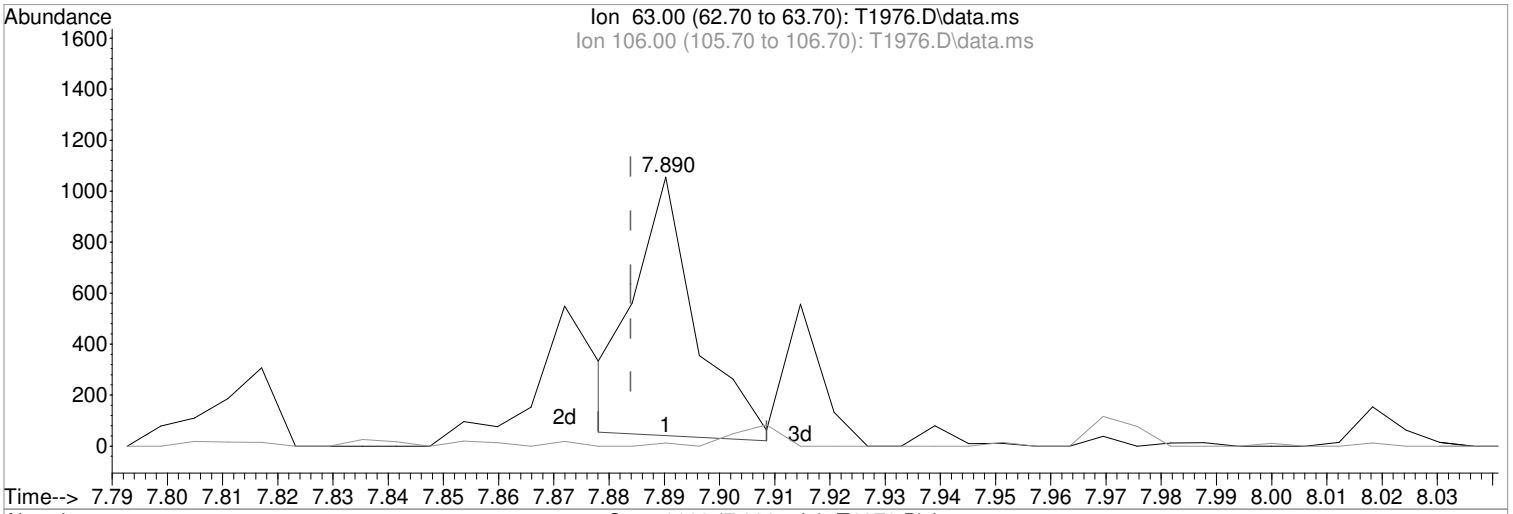
Poor integration.

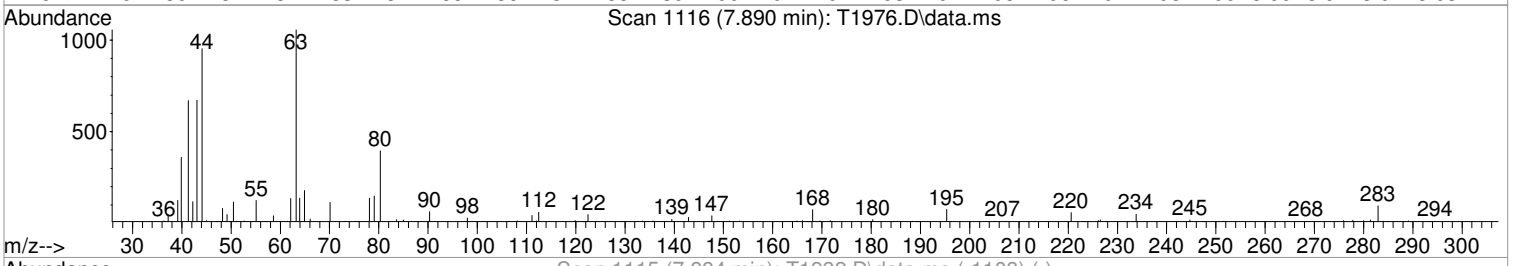
09/17/20

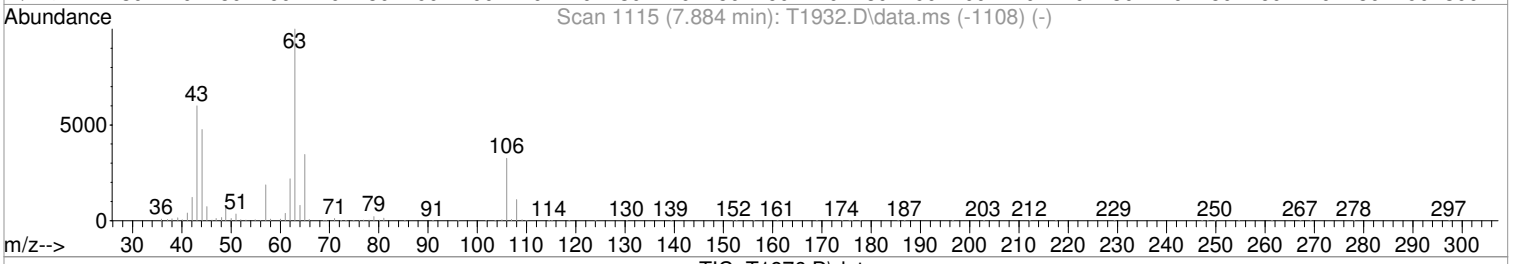
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.890min (+0.006) 0.64 ug/L

response 770

Ion	Exp%	Act%
63.00	100	100
106.00	32.60	1.14#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

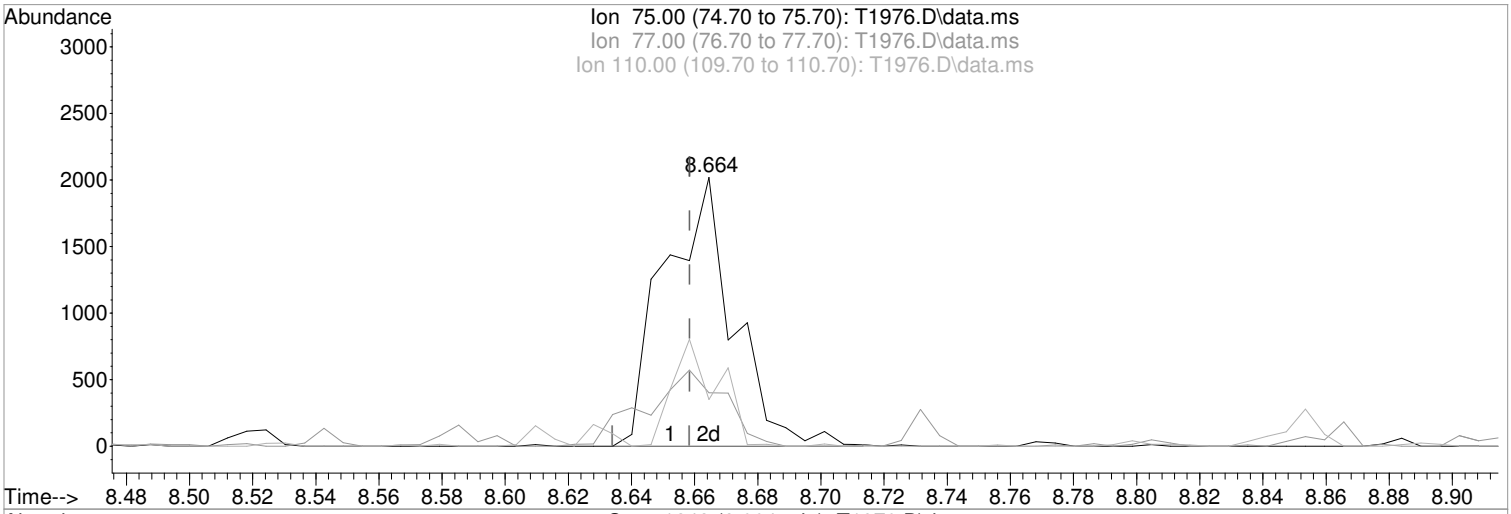
Before

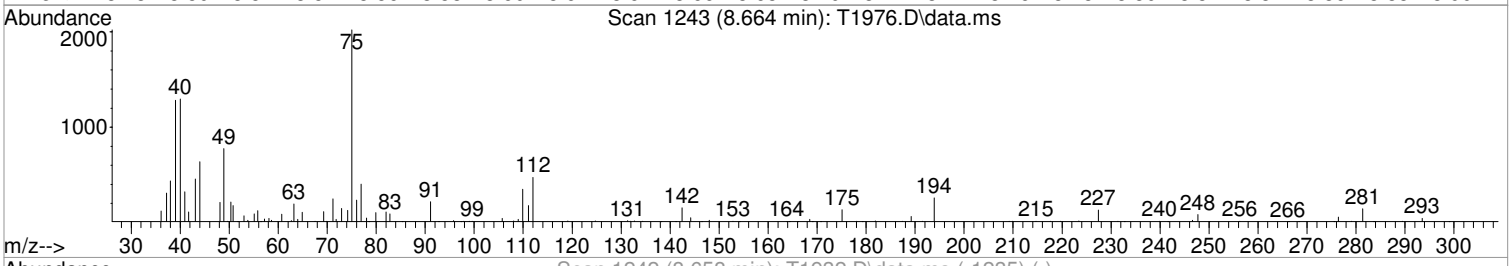
09/17/20

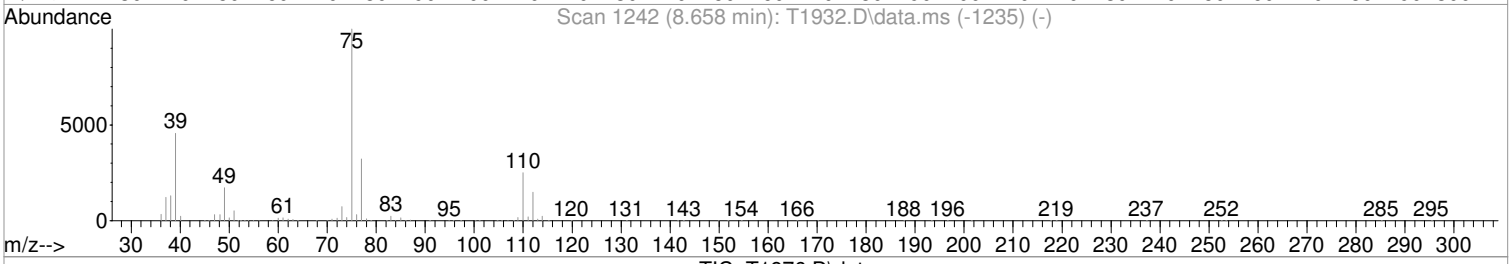
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

8.664min (+0.006) 0.75 ug/L m

response 3087

Ion	Exp%	Act%
75.00	100	100
77.00	32.20	19.89
110.00	25.00	17.32
0.00	0.00	0.00

Manual Integration:

After

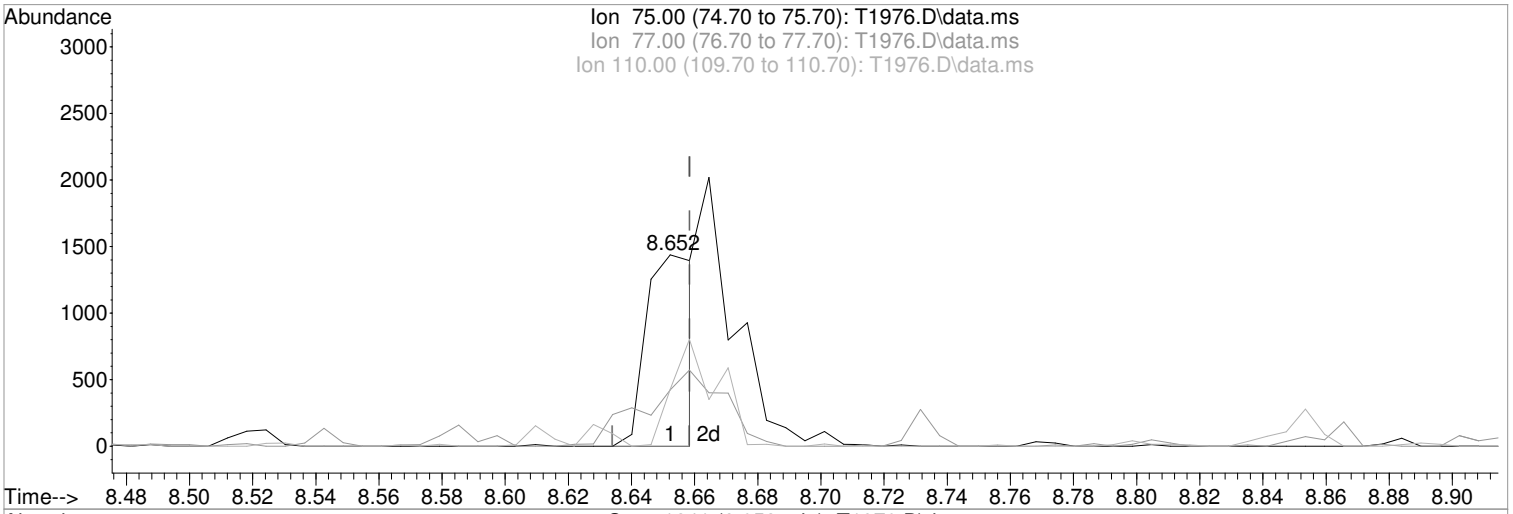
Poor integration.

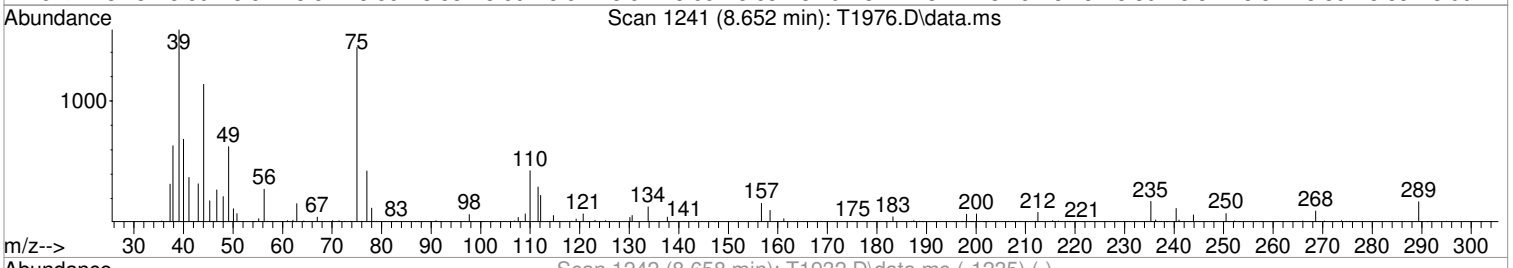
09/17/20

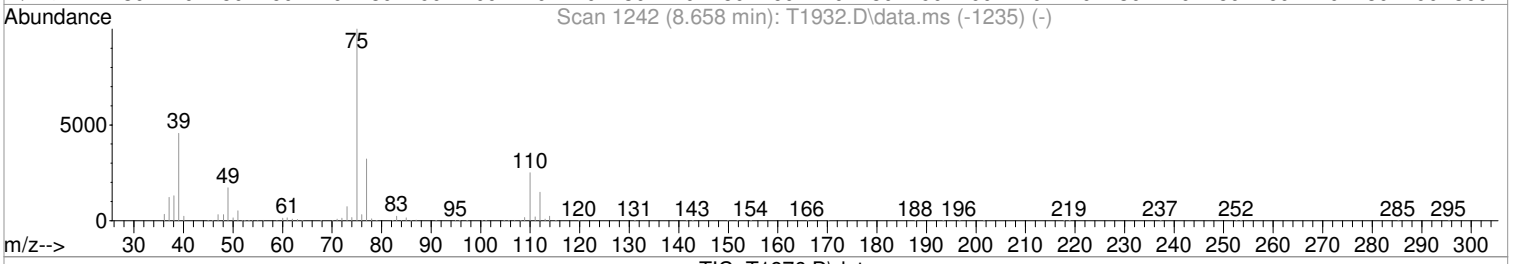
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

8.652min (-0.006) 0.37 ug/L

response 1528

Ion	Exp%	Act%
75.00	100	100
77.00	32.20	29.46
110.00	25.00	29.81
0.00	0.00	0.00

Manual Integration:

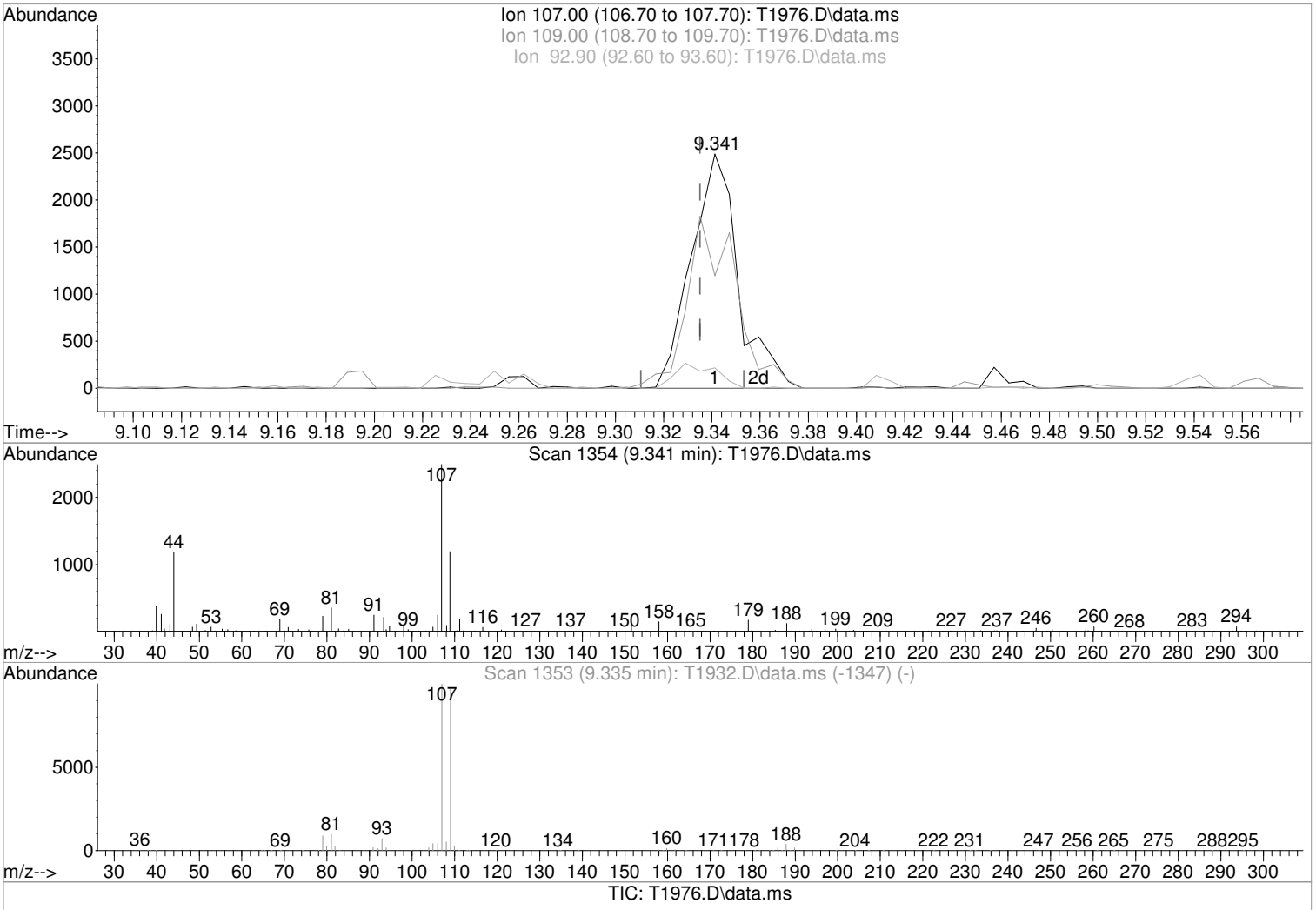
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(76) 1,2-Dibromoethane (P)

9.341min (+0.006) 1.29 ug/L m

response 3375

Ion	Exp%	Act%
107.00	100	100
109.00	97.00	47.99#
92.90	7.20	8.72
0.00	0.00	0.00

Manual Integration:

After

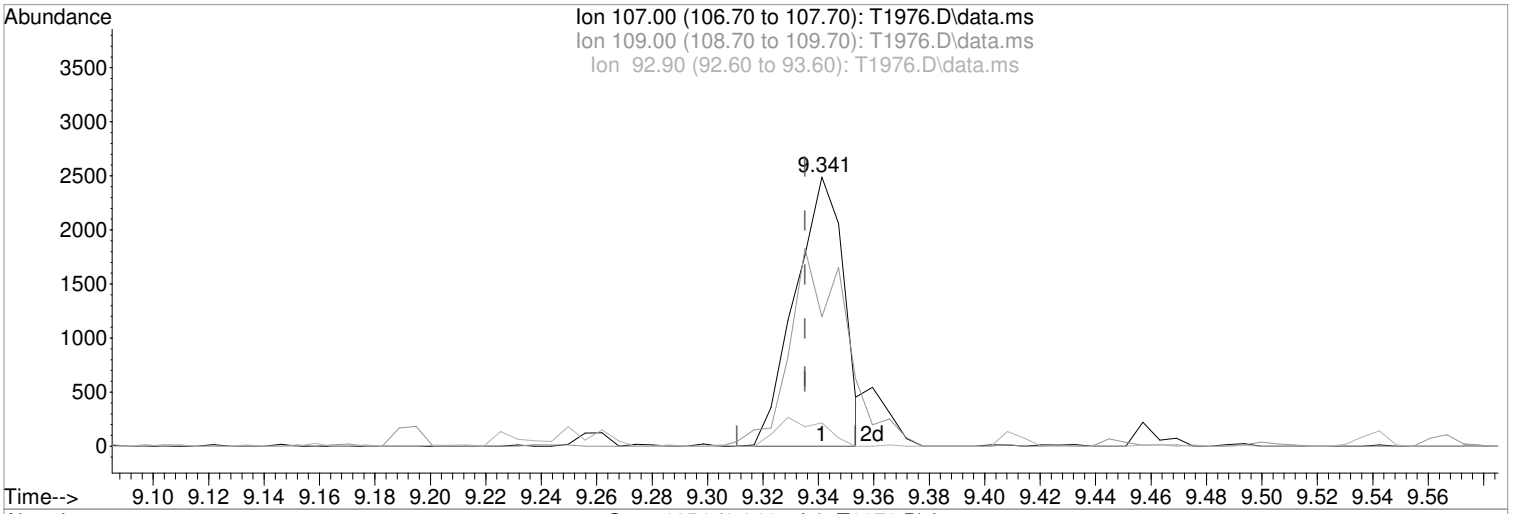
Poor integration.

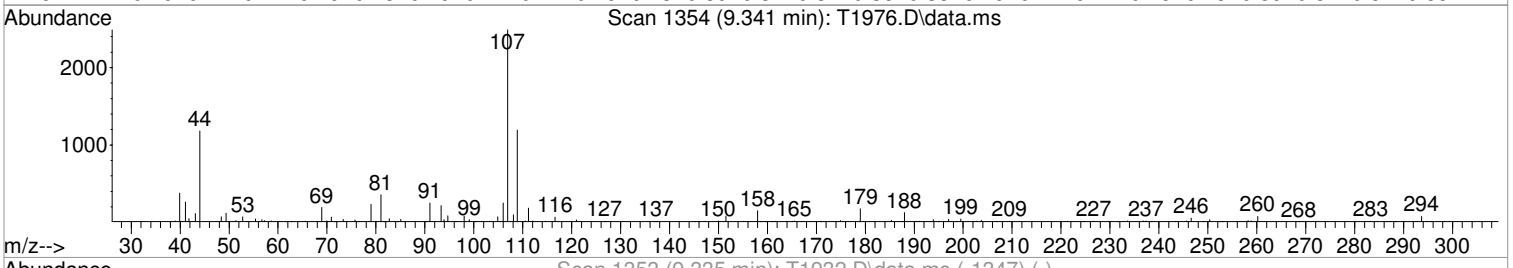
09/17/20

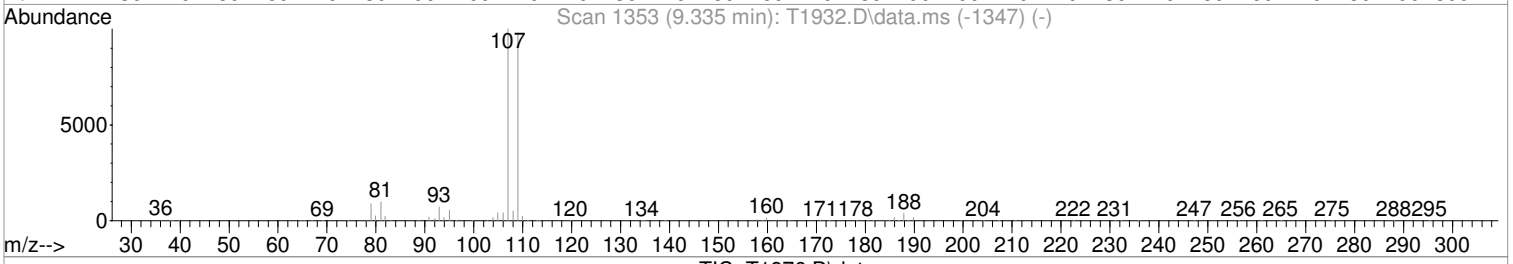
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(76) 1,2-Dibromoethane (P)

9.341min (+0.006) 1.16 ug/L

response 3035

Ion	Exp%	Act%
107.00	100	100
109.00	97.00	47.99#
92.90	7.20	8.72
0.00	0.00	0.00

Manual Integration:

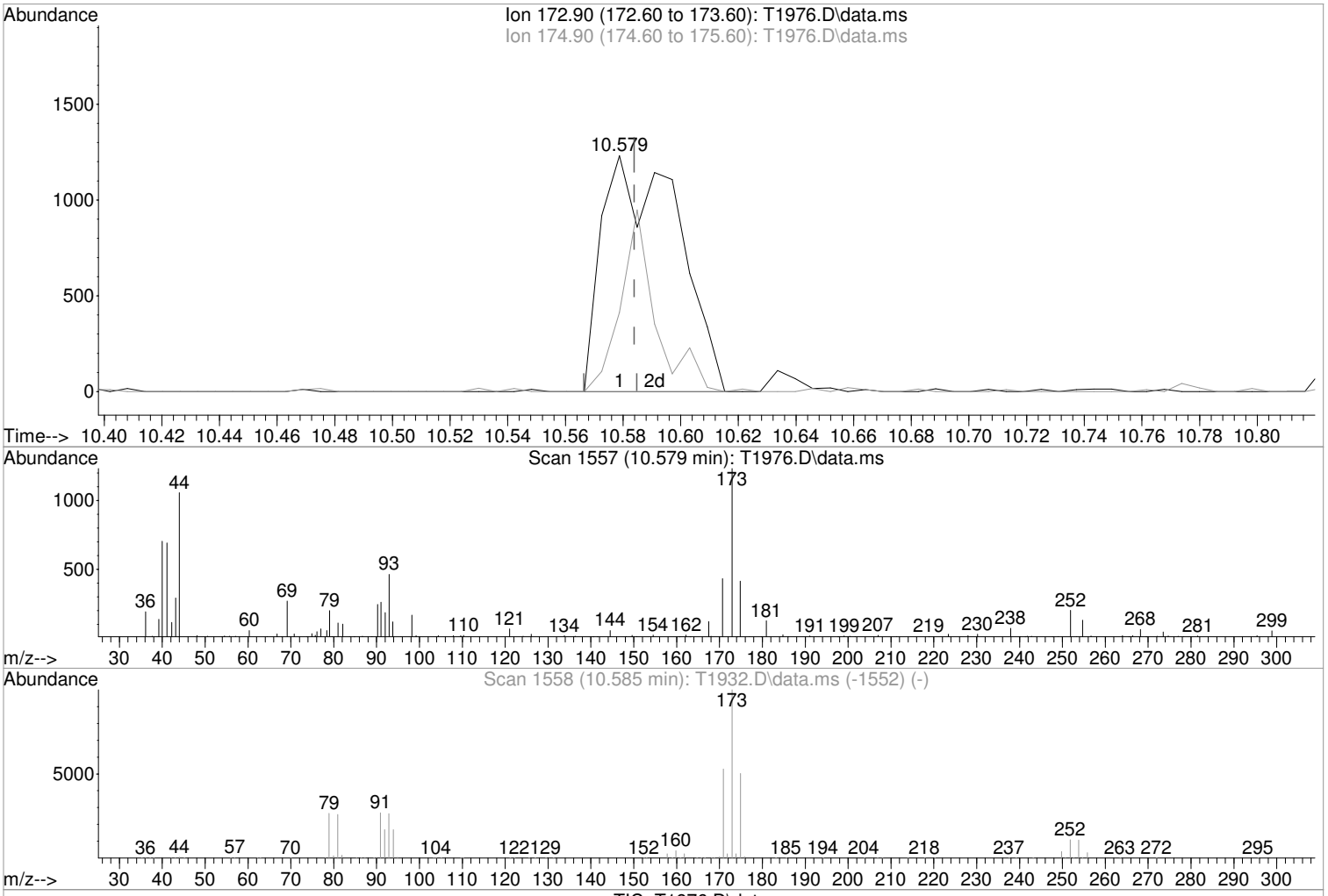
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(85) Bromoform (P)

10.579min (-0.005) 1.30 ug/L m

response 2272

Ion	Exp%	Act%
172.90	100	100
174.90	50.30	33.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

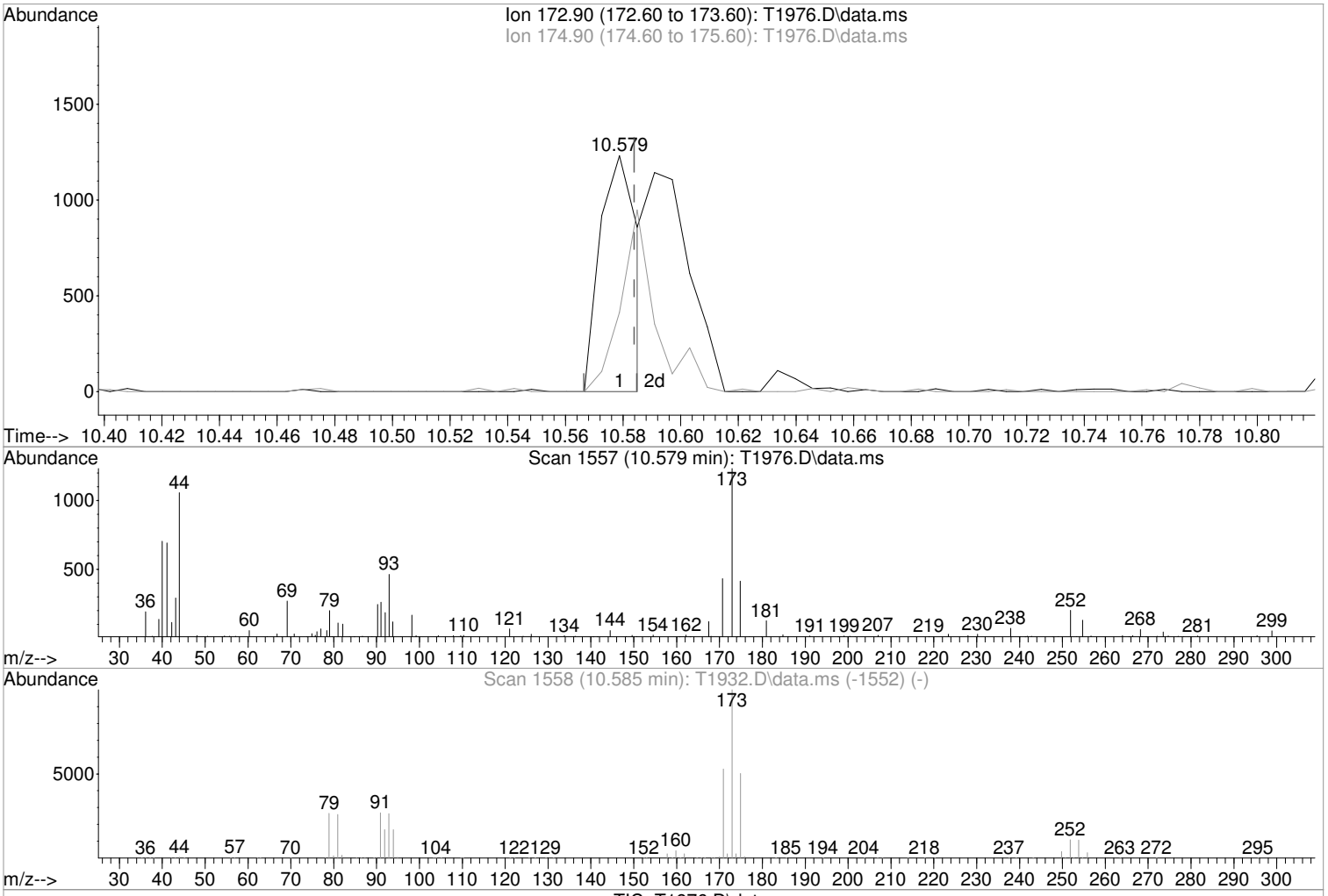
Poor integration.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(85) Bromoform (P)

10.579min (-0.005) 0.63 ug/L

response 1100

Ion	Exp%	Act%
172.90	100	100
174.90	50.30	33.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

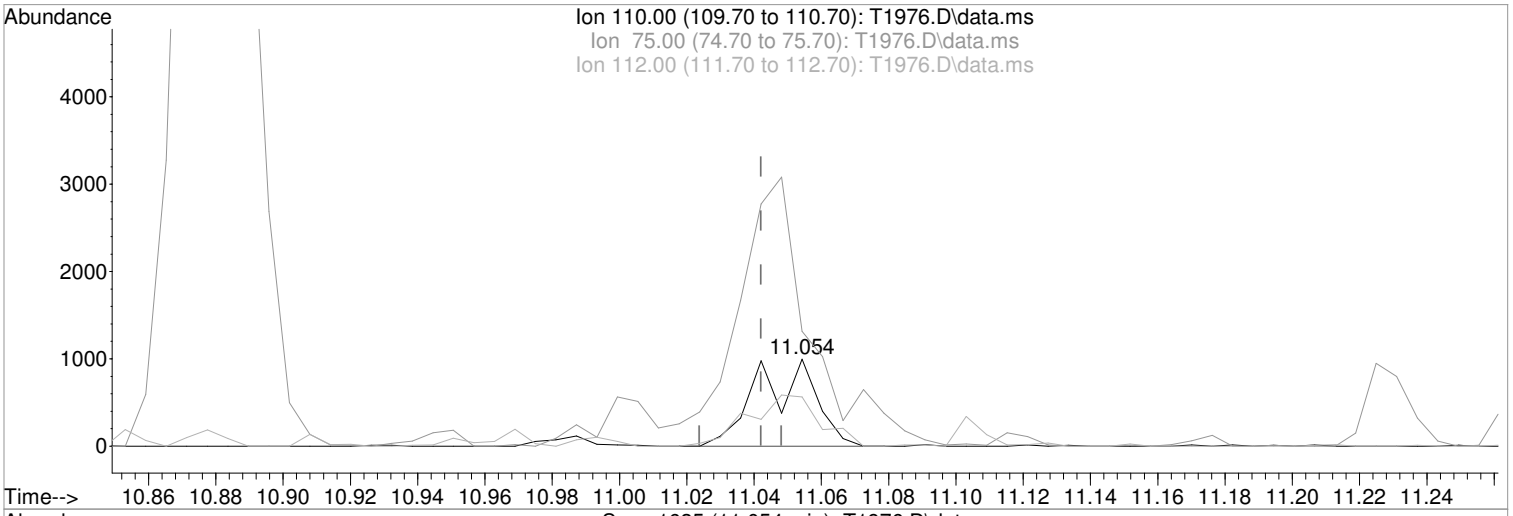
Before

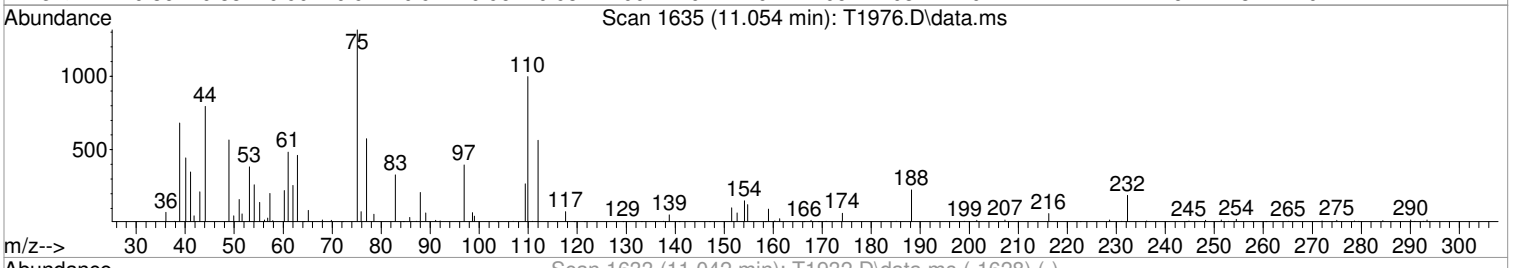
09/17/20

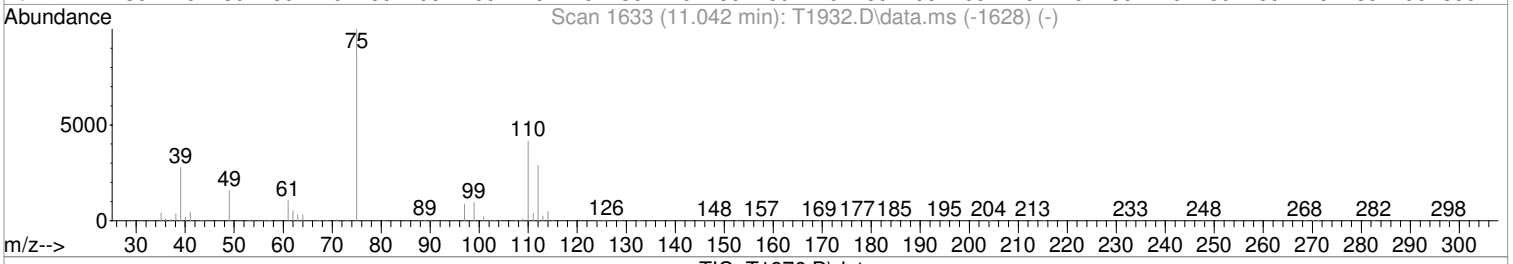
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(93) 1,2,3-Trichloropropane

11.054min (+0.012) 1.02 ug/L m

response 1200

Ion	Exp%	Act%
110.00	100	100
75.00	254.90	131.86#
112.00	69.30	56.51
0.00	0.00	0.00

Manual Integration:

After

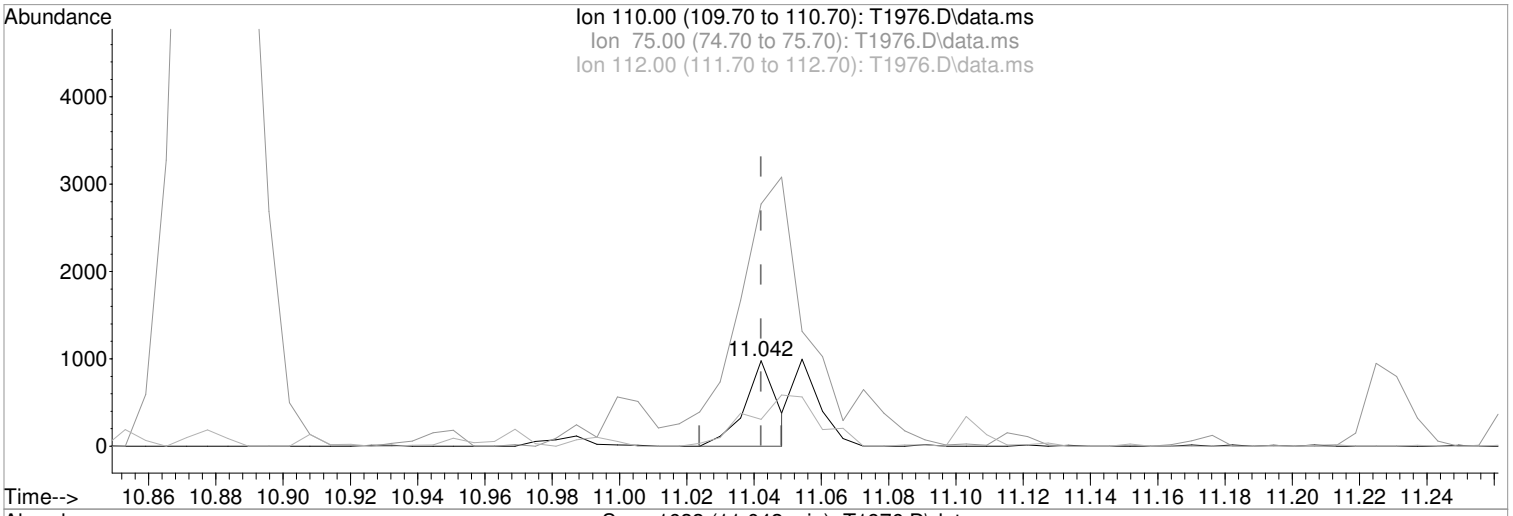
Poor integration.

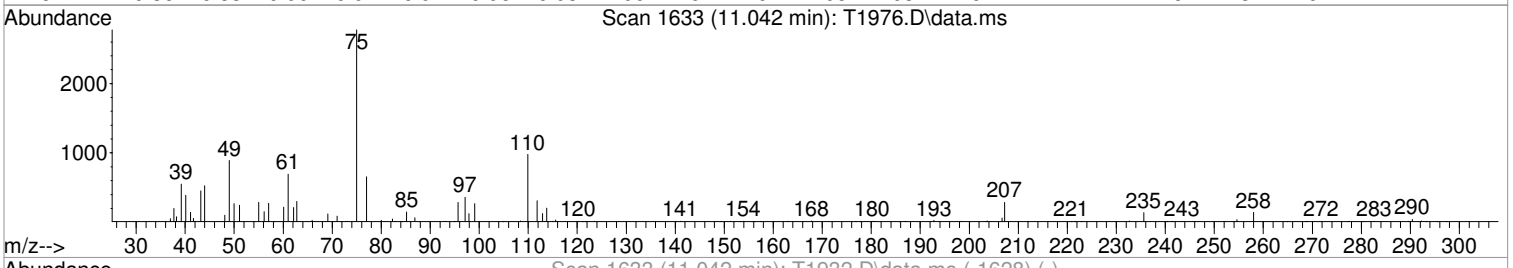
09/17/20

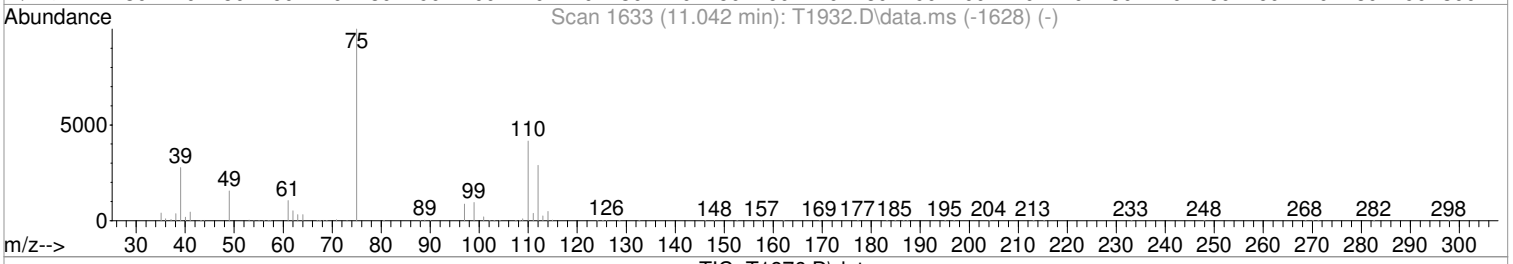
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(93) 1,2,3-Trichloropropane

11.042min (-0.000) 0.56 ug/L

response 657

Ion	Exp%	Act%
110.00	100	100
75.00	254.90	283.35#
112.00	69.30	31.46#
0.00	0.00	0.00

Manual Integration:

Before

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:11:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	268773	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	416692	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	371139	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	186892	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.238	113	27055	10.40	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 20.80%#				
46) surr1,1,2-dichloroetha...	5.787	65	30766	9.10	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 18.20%#				
64) SURR3,Toluene-d8	8.311	98	102800	10.03	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.06%#				
69) SURR2,BFB	10.877	95	37796	9.23	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 18.46%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	2756	0.86	ug/L		89
3) Chloromethane	1.282	50	4066	1.46	ug/L		99
4) Vinyl Chloride	1.361	62	3612	1.35	ug/L		79
5) Bromomethane	1.593	94	3151	1.36	ug/L	#	79
6) Chloroethane	1.666	64	2200	1.51	ug/L		93
7) Freon 21	1.818	67	5419	1.20	ug/L		91
8) Trichlorofluoromethane	1.861	101	3733	0.98	ug/L		96
9) Diethyl Ether	2.099	59	2267	1.03	ug/L	#	70
10) Freon 123a	2.099	67	2741	0.89	ug/L		81
11) Freon 123	2.147	83	3464	0.99	ug/L		86
12) Acrolein	2.202	56	4329	7.41	ug/L		84
13) 1,1-Diclethene	2.288	96	1961	1.05	ug/L		94
14) Freon 113	2.300	101	2384	1.09	ug/L		90
15) Acetone	2.336	43	2062	2.05	ug/L		86
16) 2-Propanol	2.464	45	6189	28.16	ug/L		97
17) Iodomethane	2.428	142	707m	0.22	ug/L		
18) Carbon Disulfide	2.489	76	7174	1.10	ug/L		83
19) Acetonitrile	2.580	41	4176	11.62	ug/L		87
20) Allyl Chloride	2.611	76	1580m	1.19	ug/L		
21) Methyl Acetate	2.647	43	3165	1.46	ug/L	#	67
22) Methylene Chloride	2.745	84	3477	1.30	ug/L	#	74
23) TBA	2.867	59	9066	21.70	ug/L		73
24) Acrylonitrile	3.001	53	6237	5.77	ug/L		95
25) Methyl-t-Butyl Ether	3.044	73	8591	1.03	ug/L		85
26) trans-1,2-Dichloroethene	3.038	96	3113m	1.52	ug/L		
27) 1,1-Diclethane	3.537	63	4671	1.12	ug/L		67
28) Vinyl Acetate	3.629	86	574m	1.29	ug/L		
29) DIPE	3.659	45	10484	1.54	ug/L		80
30) 2-Chloro-1,3-Butadiene	3.665	53	4758m	1.32	ug/L		
31) ETBE	4.190	59	7512	1.04	ug/L		80
32) 2,2-Dichloropropane	4.360	77	3730	0.98	ug/L		90
33) cis-1,2-Dichloroethene	4.373	96	2411m	0.91	ug/L		
35) Propionitrile	4.519	54	3236	6.88	ug/L		83
36) Bromochloromethane	4.781	130	1710	1.00	ug/L	#	86
37) Methacrylonitrile	4.775	67	2454m	1.83	ug/L		
38) Tetrahydrofuran	4.879	42	3447	3.34	ug/L		80
39) Chloroform	4.952	83	4434m	0.97	ug/L		
40) 1,1,1-Trichloroethane	5.257	97	3346m	0.82	ug/L		
42) Cyclohexane	5.324	41	3509m	1.60	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:11:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) Carbontetrachloride	5.525	117	2781	0.88 ug/L #	77
45) 1,1-Dichloropropene	5.555	75	3262	0.97 ug/L	96
47) Benzene	5.866	78	11331	1.12 ug/L	93
48) 1,2-Dichloroethane	5.921	62	3415m	0.87 ug/L	
49) Iso-Butyl Alcohol	5.909	43	4734	31.71 ug/L	83
50) TAME	6.104	73	8189	1.04 ug/L	87
51) n-Heptane	6.360	43	4066	1.59 ug/L #	64
52) 1-Butanol	6.860	56	5664	54.58 ug/L	97
53) Trichloroethene	6.829	130	2014	0.77 ug/L	90
54) Methylcyclohexane	7.061	55	4110m	1.43 ug/L	
55) 1,2-Diclpropane	7.092	63	3401m	1.35 ug/L	
56) Dibromomethane	7.244	93	2200	1.21 ug/L	89
57) 1,4-Dioxane	7.317	88	582	11.11 ug/L #	41
58) Methyl Methacrylate	7.342	69	2811m	1.08 ug/L	
59) Bromodichloromethane	7.476	83	3728	1.00 ug/L	88
60) 2-Nitropropane	7.756	41	3900	4.21 ug/L	98
61) 2-Chloroethylvinyl Ether	7.890	63	1533m	1.27 ug/L	
62) cis-1,3-Dichloropropene	8.018	75	3608	0.85 ug/L	71
63) 4-Methyl-2-pentanone	8.226	43	4073	1.43 ug/L	89
65) Toluene	8.390	91	10322	0.96 ug/L	78
66) trans-1,3-Dichloropropene	8.664	75	3087m	0.75 ug/L	
67) Ethyl Methacrylate	8.805	69	4234	0.97 ug/L	97
68) 1,1,2-Trichloroethane	8.847	97	2662	1.04 ug/L	86
71) Tetrachloroethene	8.982	164	1840	0.95 ug/L #	66
72) 2-Hexanone	9.134	43	2662	1.29 ug/L #	62
73) 1,3-Dichloropropane	9.018	76	4235	0.99 ug/L	88
74) Dibromochloromethane	9.231	129	2647	1.02 ug/L #	63
75) N-Butyl Acetate	9.292	43	6161	1.38 ug/L	82
76) 1,2-Dibromoethane	9.341	107	3375m	1.29 ug/L	
77) 3-Chlorobenzotrifluoride	9.859	180	3145	0.90 ug/L #	83
78) Chlorobenzene	9.835	112	7279	1.11 ug/L	95
79) 4-Chlorobenzotrifluoride	9.908	180	3070	1.02 ug/L #	61
80) 1,1,1,2-Tetrachloroethane	9.920	131	2389	1.00 ug/L #	76
81) Ethylbenzene	9.951	106	3523	0.99 ug/L #	66
82) (m+p)Xylene	10.061	106	7570	1.74 ug/L #	80
83) o-Xylene	10.426	106	3999	0.88 ug/L	98
84) Styrene	10.439	104	7211	0.95 ug/L	89
85) Bromoform	10.579	173	2272m	1.30 ug/L	
86) 2-Chlorobenzotrifluoride	10.664	180	3049	0.87 ug/L	88
87) Isopropylbenzene	10.756	105	9265	0.84 ug/L	96
88) Cyclohexanone	10.817	55	11999	24.54 ug/L	81
89) trans-1,4-Dichloro-2-B...	11.066	53	987	1.18 ug/L #	57
91) 1,1,2,2-Tetrachloroethane	11.018	83	3716	1.04 ug/L	90
92) Bromobenzene	11.005	156	3021	1.00 ug/L #	78
93) 1,2,3-Trichloropropane	11.054	110	1200m	1.02 ug/L	
94) n-Propylbenzene	11.115	91	11619	0.94 ug/L	93
95) 2-Chlorotoluene	11.182	91	7460	0.91 ug/L	76
96) 3-Chlorotoluene	11.225	91	9247	1.10 ug/L	99
97) 4-Chlorotoluene	11.274	91	9536	1.07 ug/L	98
98) 1,3,5-Trimethylbenzene	11.262	105	8629	0.96 ug/L	75
99) tert-Butylbenzene	11.536	119	7675	1.00 ug/L	89
100) 1,2,4-Trimethylbenzene	11.579	105	7530	0.82 ug/L	91
101) 3,4-Dichlorobenzotrifl...	11.633	214	3009	1.12 ug/L #	79
102) sec-Butylbenzene	11.719	105	10557	0.94 ug/L	94
103) p-Isopropyltoluene	11.841	119	7805	0.85 ug/L	88
104) 1,3-Dclbenz	11.798	146	5219	0.98 ug/L	80

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:11:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

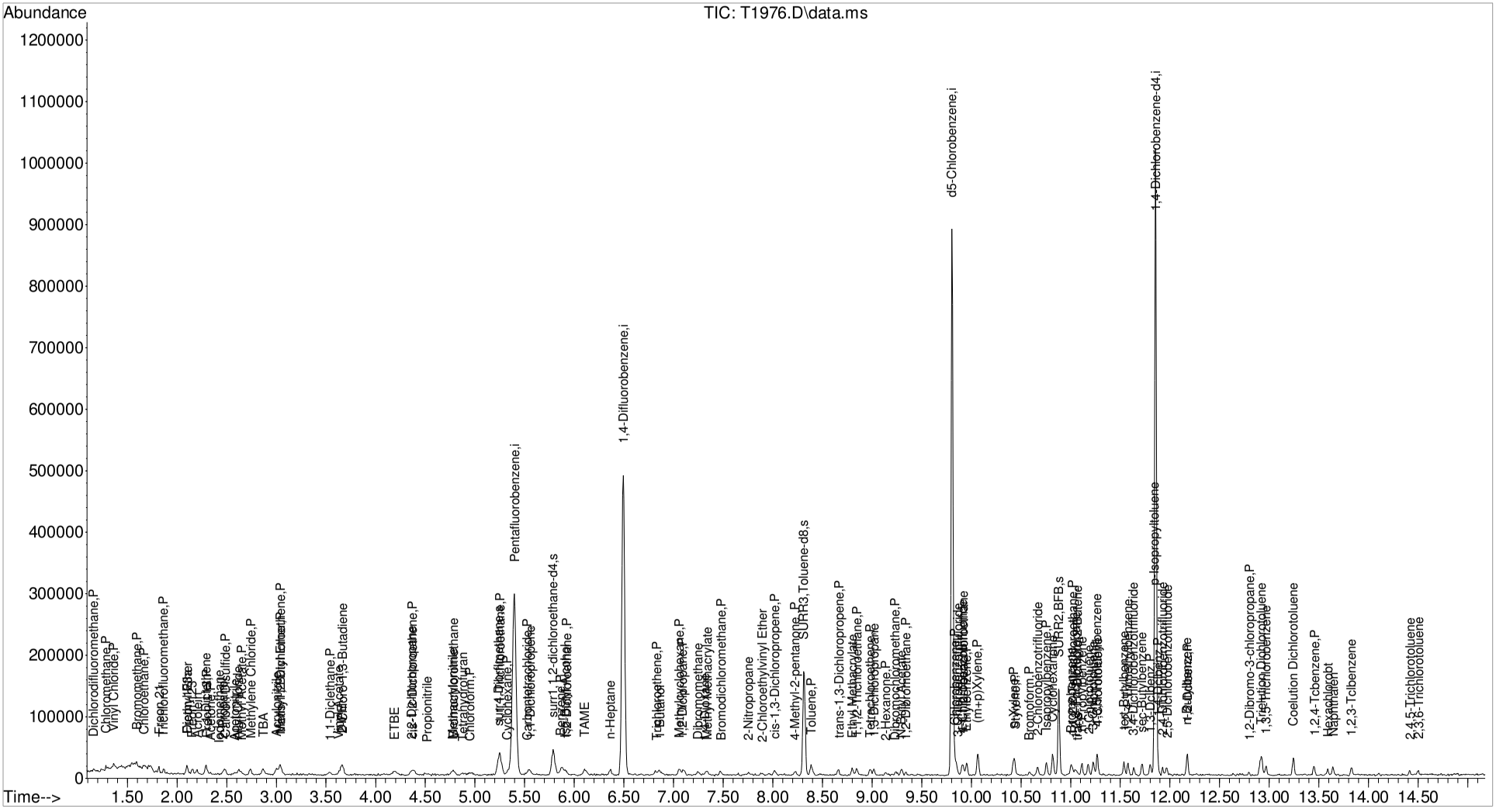
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,4-Dclbenz	11.877	146	6090	1.08	ug/L		84
106) 2,4-Dichlorobenzotrifl...	11.926	214	2260	0.95	ug/L	#	62
107) 2,5-Dichlorobenzotrifl...	11.975	214	2847	1.06	ug/L	#	76
108) n-Butylbenzene	12.170	91	7810	0.94	ug/L		95
109) 1,2-Dclbenz	12.176	146	5174	0.98	ug/L		97
110) 1,2-Dibromo-3-chloropr...	12.798	157	850	0.97	ug/L	#	64
111) Trielution Dichlorotol...	12.920	125	12916	2.79	ug/L		94
112) 1,3,5-Trichlorobenzene	12.969	180	3578	0.93	ug/L		81
113) Coelution Dichlorotoluene	13.243	125	9772	1.92	ug/L		90
114) 1,2,4-Tcbenzene	13.456	180	3662	1.01	ug/L	#	71
115) Hexachlorobt	13.590	225	2047	1.28	ug/L	#	79
116) Naphthalen	13.645	128	7567	0.77	ug/L		91
117) 1,2,3-Tclbenzene	13.828	180	2648	0.72	ug/L		89
118) 2,4,5-Trichlorotoluene	14.419	159	1270	0.54	ug/L		91
119) 2,3,6-Trichlorotoluene	14.505	159	1142	0.54	ug/L		87

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:11:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

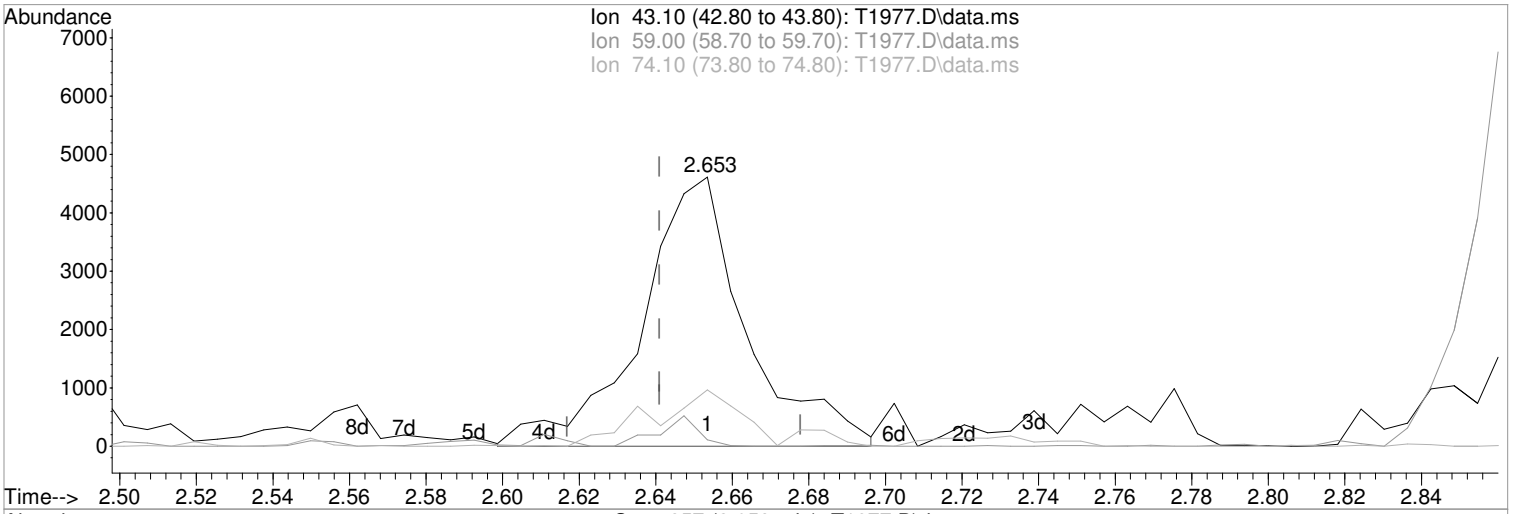


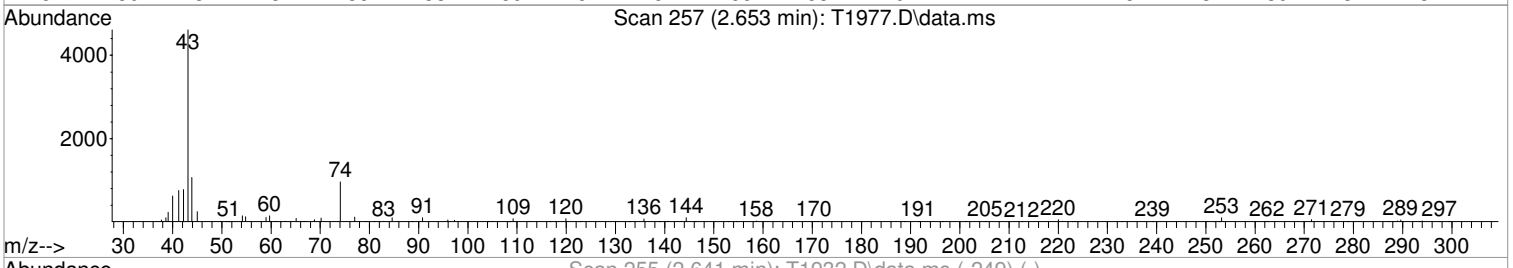
1st FJ 09/18/20
2nd 09/19/20

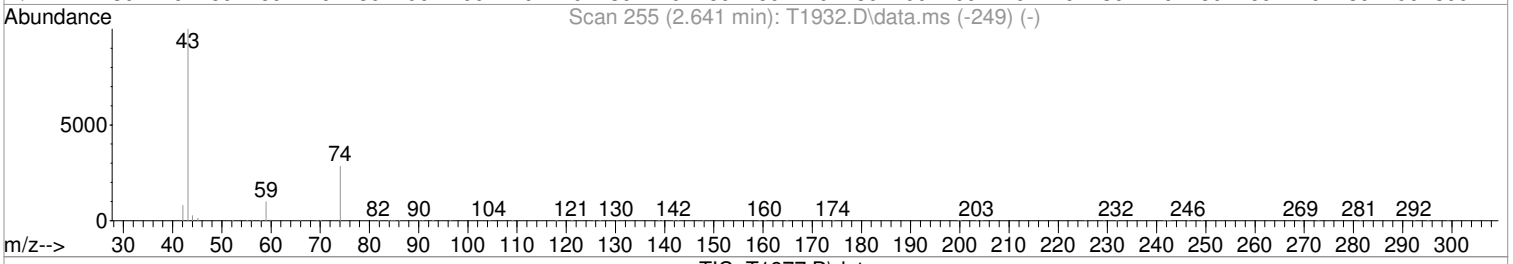
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(21) Methyl Acetate (P)

2.653min (+0.012) 4.36 ug/L m

response 8890

Ion	Exp%	Act%
43.10	100	100
59.00	9.90	3.19
74.10	28.40	20.95
0.00	0.00	0.00

Manual Integration:

After

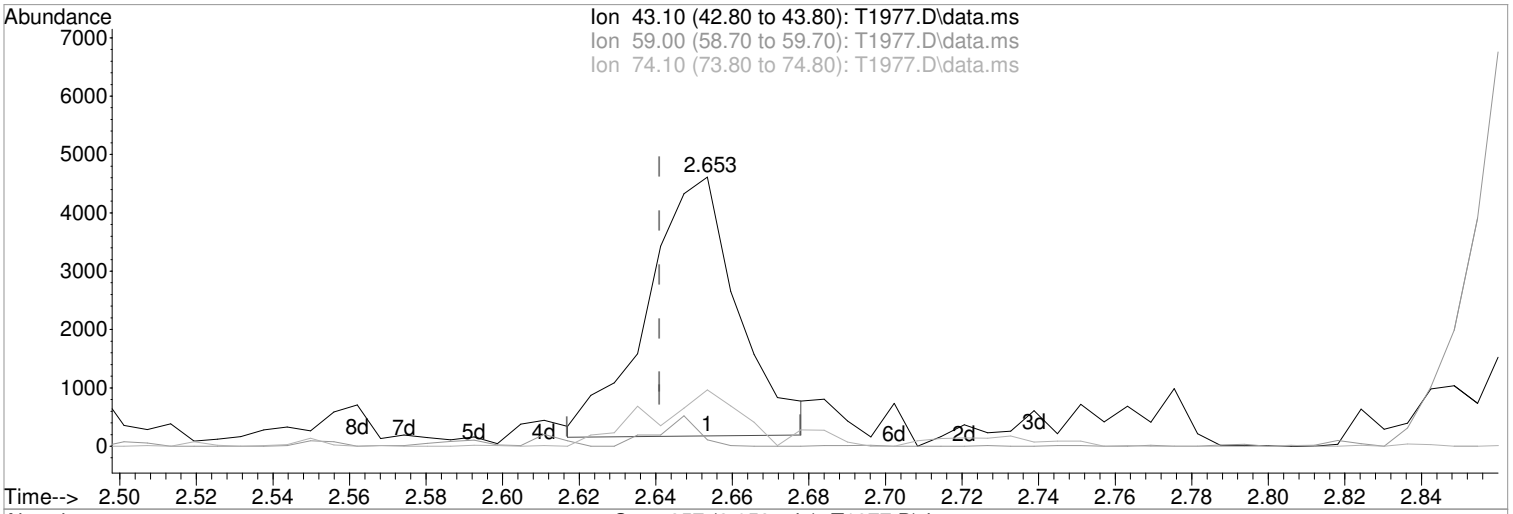
Poor integration.

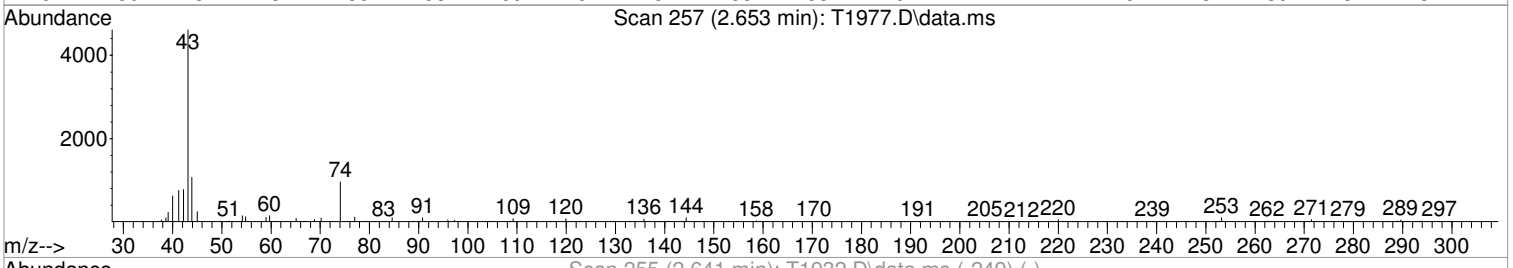
09/17/20

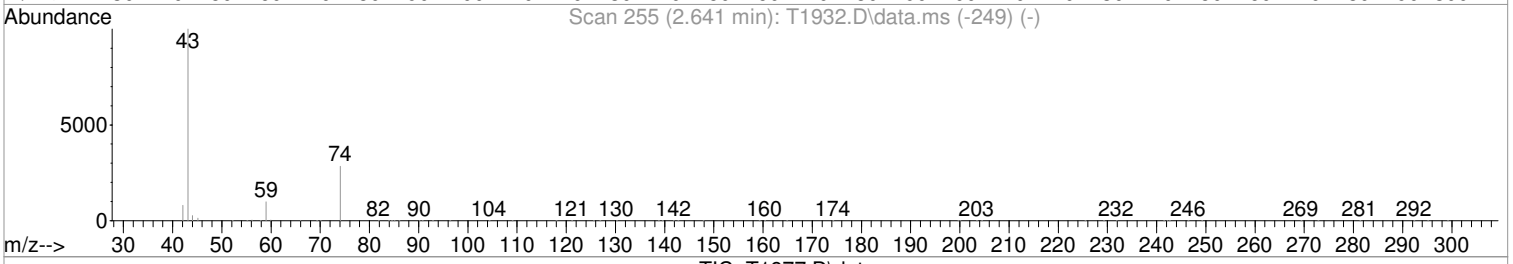
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(21) Methyl Acetate (P)

2.653min (+0.012) 3.59 ug/L

response 7319

Ion	Exp%	Act%
43.10	100	100
59.00	9.90	5.51
74.10	28.40	20.95
0.00	0.00	0.00

Manual Integration:

Before

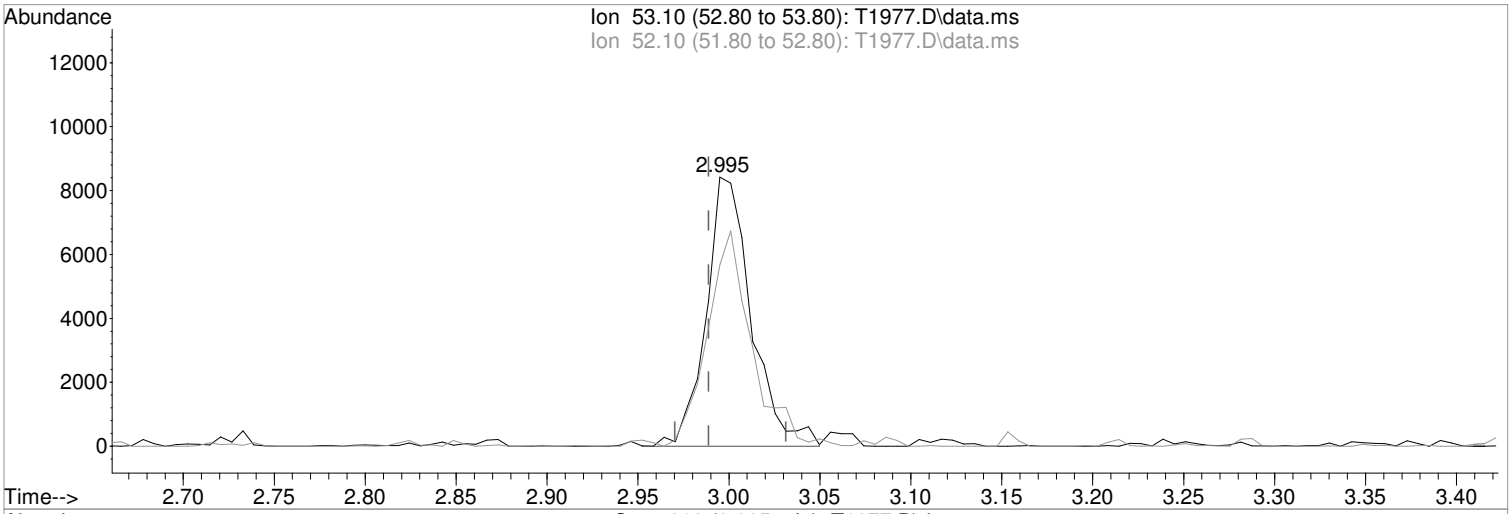
09/17/20

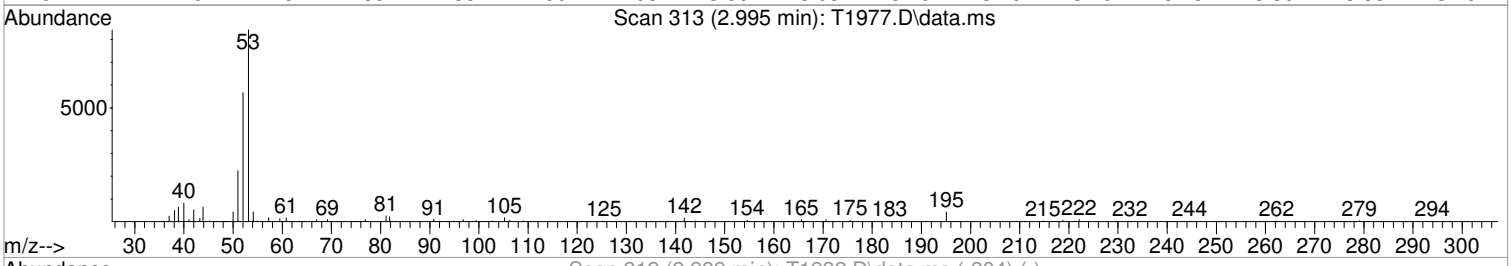
1st FN 09/18/20
2nd 09/19/20

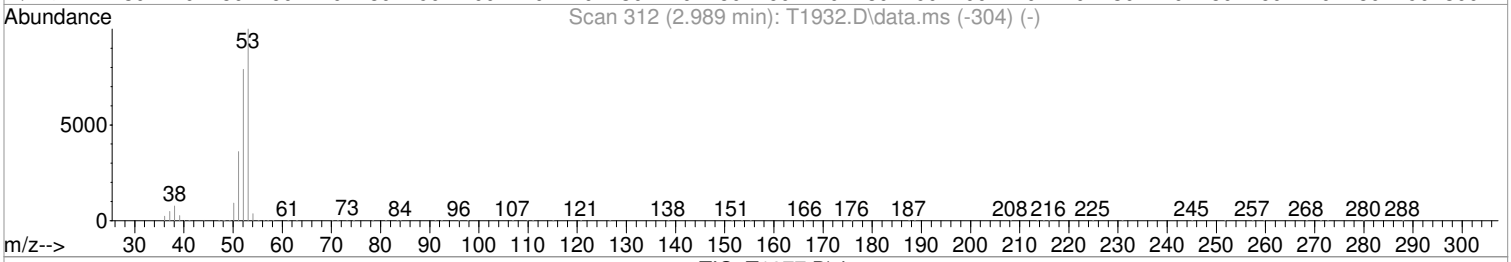
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(24) Acrylonitrile

2.995min (+0.006) 14.36 ug/L m

response 14586

Ion	Exp%	Act%
53.10	100	100
52.10	79.00	67.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

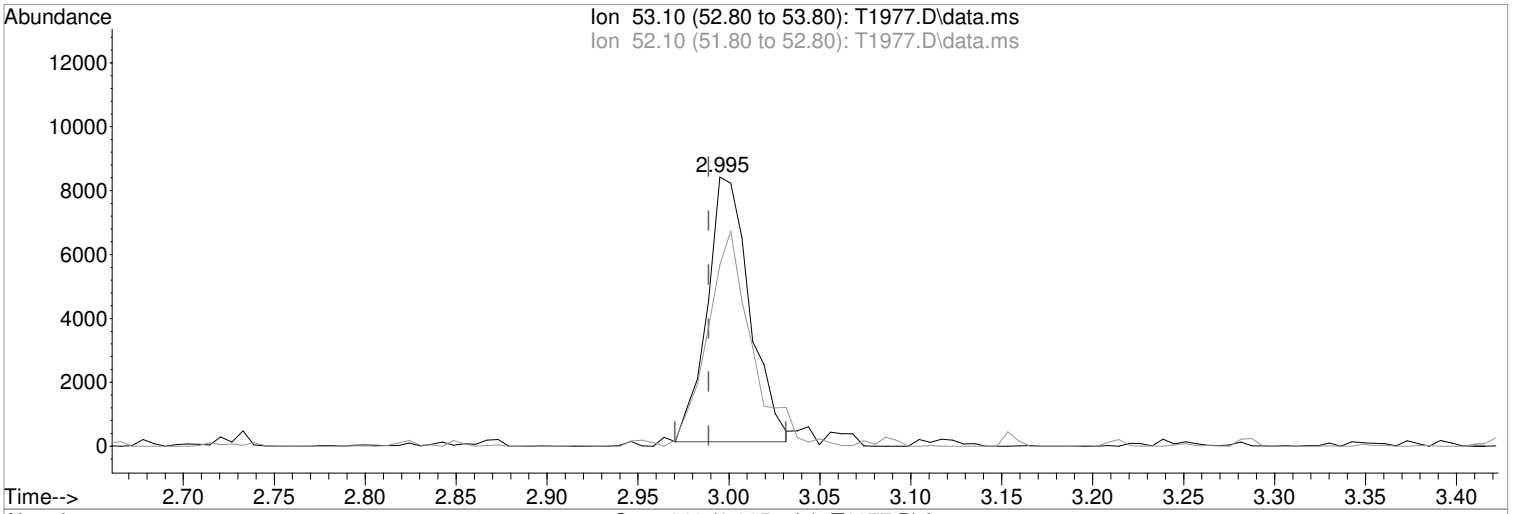
Poor integration.

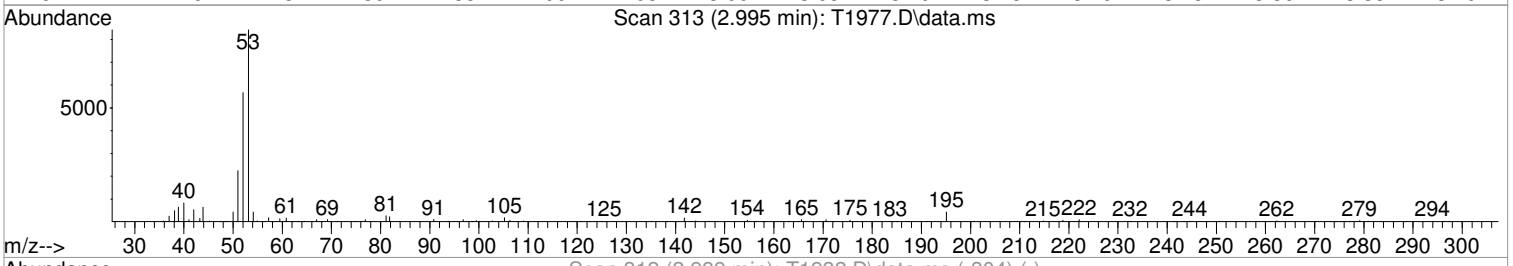
09/17/20

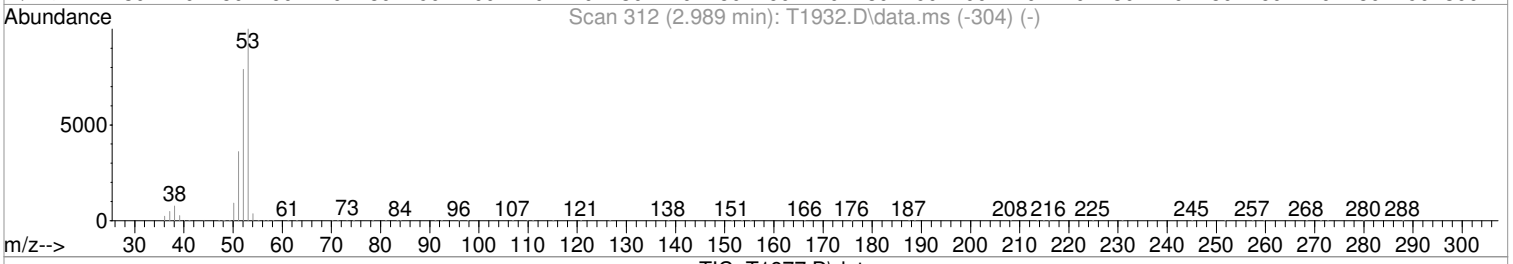
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(24) Acrylonitrile

2.995min (+0.006) 13.29 ug/L

response 13497

Ion	Exp%	Act%
53.10	100	100
52.10	79.00	67.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

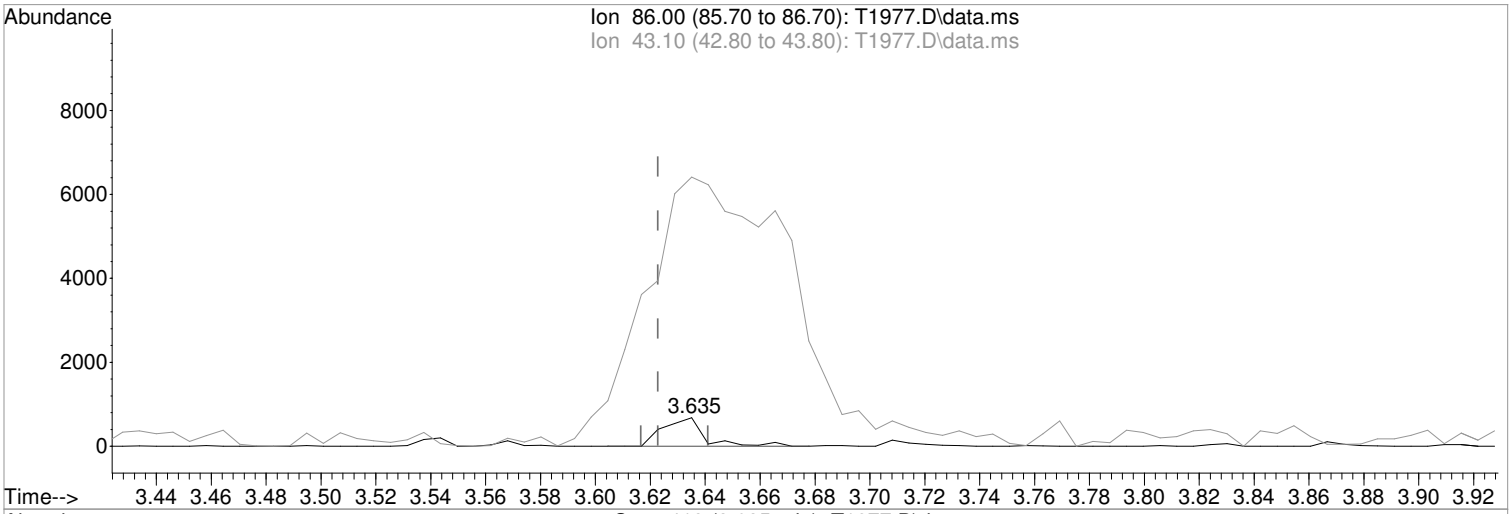
Before

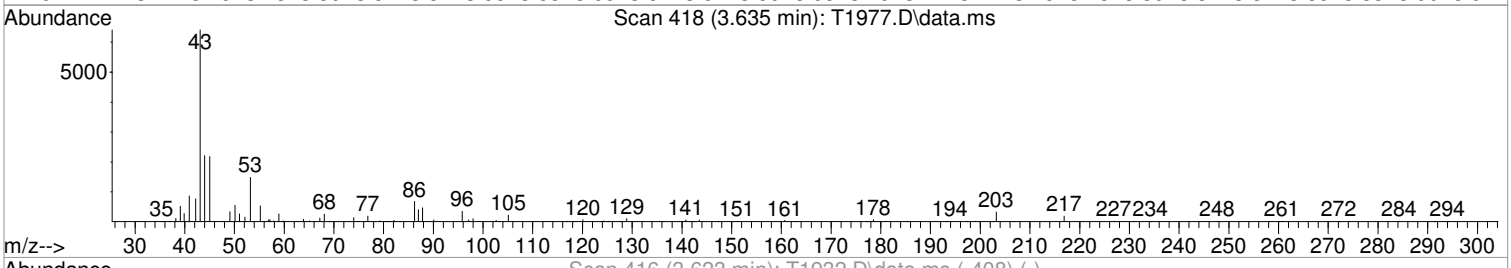
09/17/20

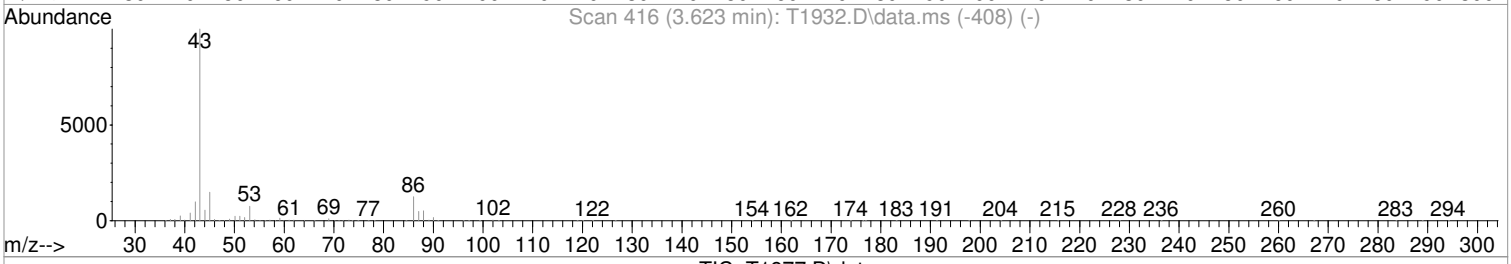
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(28) Vinyl Acetate

3.635min (+0.012) 1.71 ug/L m

response 716

Ion	Exp%	Act%
86.00	100	100
43.10	800.10	939.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

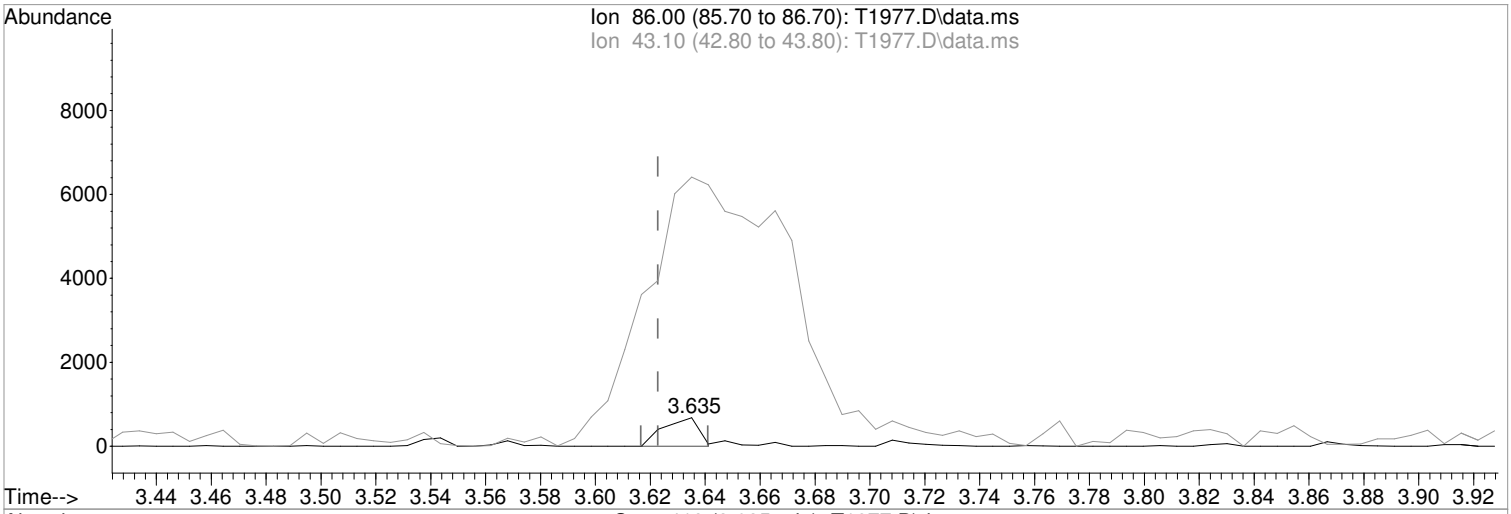
Poor integration.

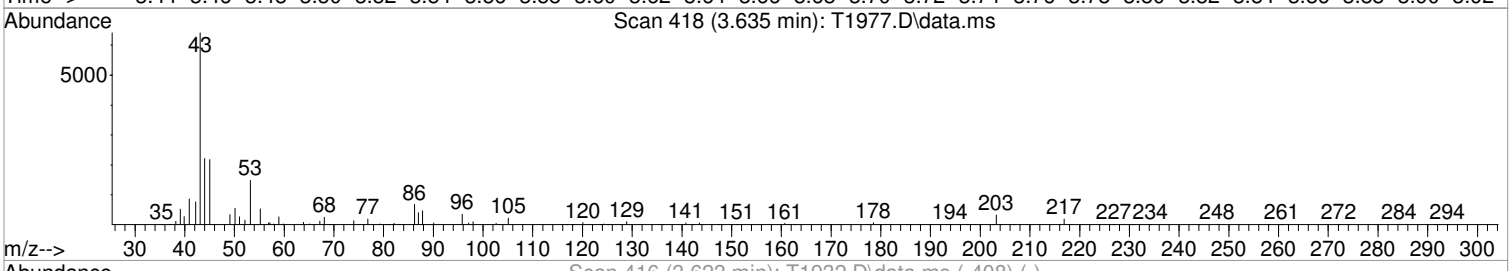
09/17/20

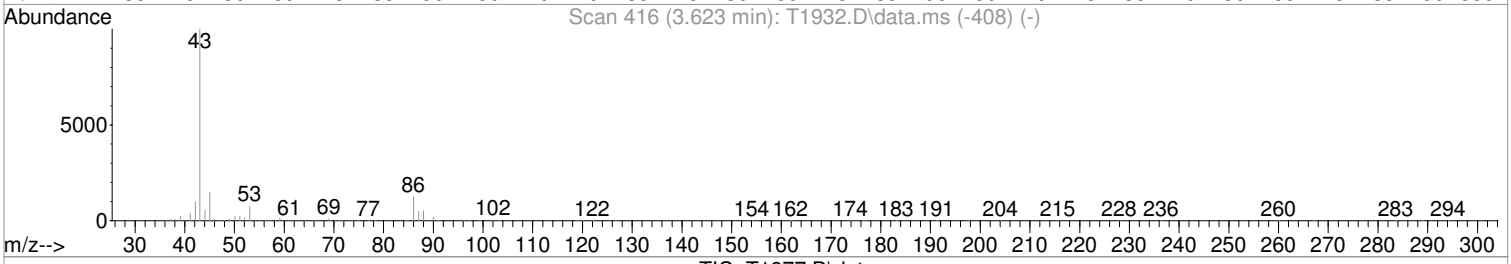
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(28) Vinyl Acetate

3.635min (+0.012) 1.47 ug/L

response 615

Ion	Exp%	Act%
86.00	100	100
43.10	800.10	939.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

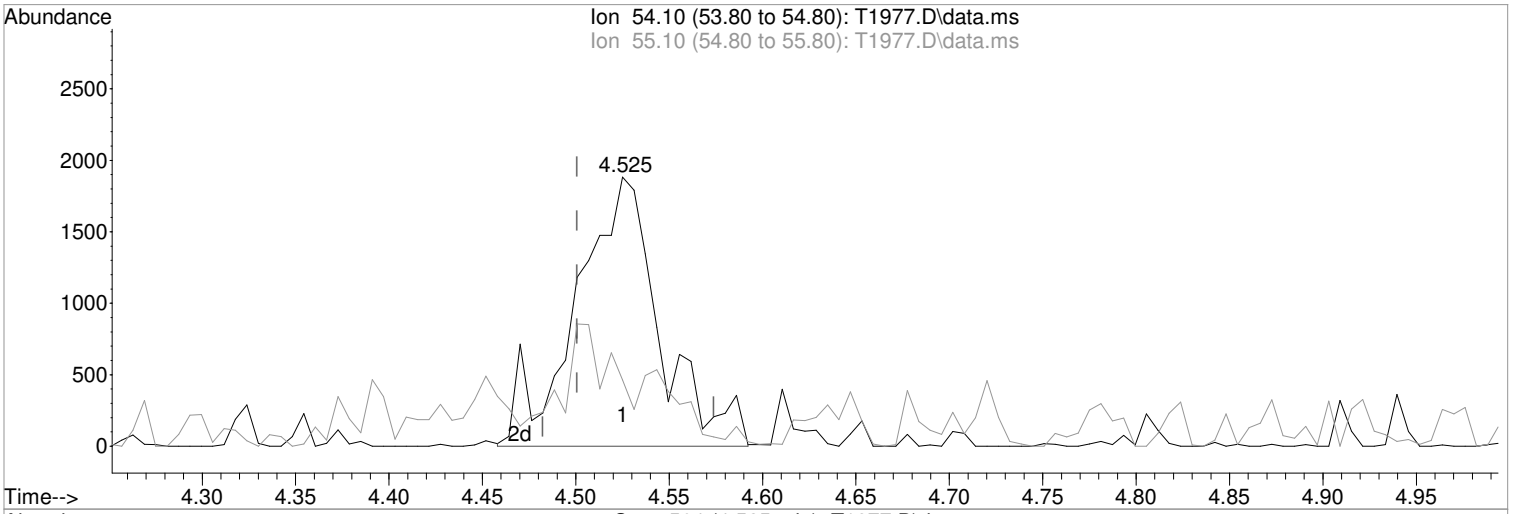
Before

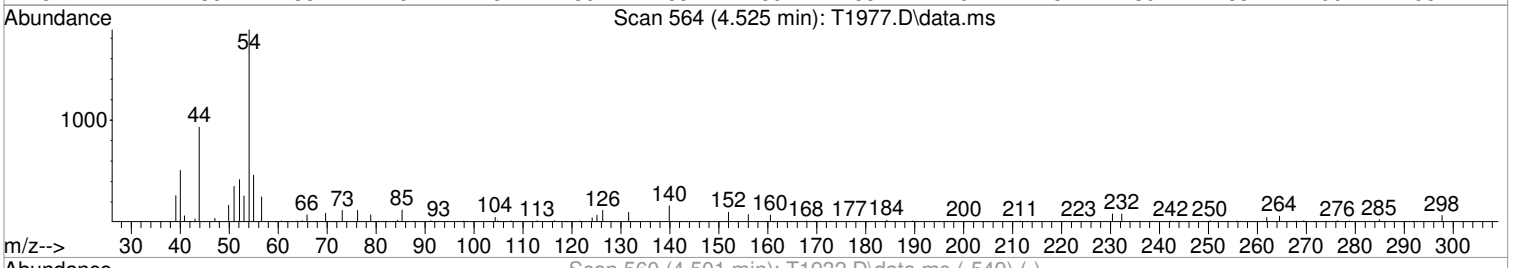
09/17/20

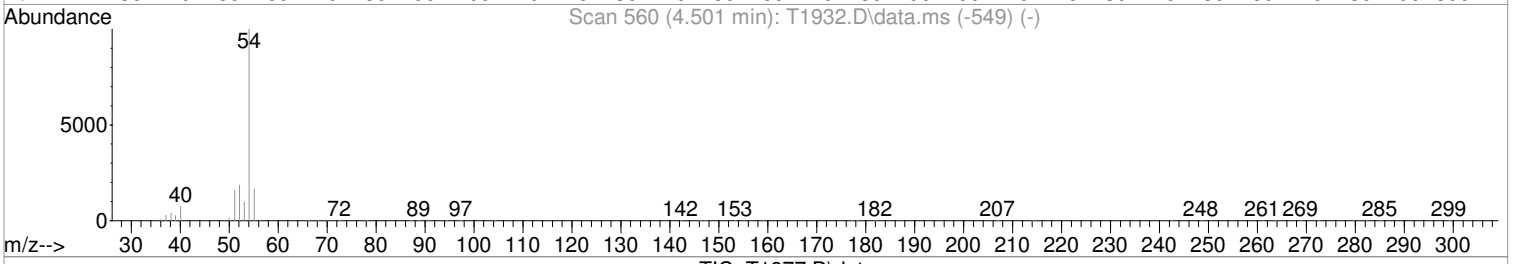
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(35) Propionitrile

4.525min (+0.024) 13.27 ug/L m

response 5870

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	24.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

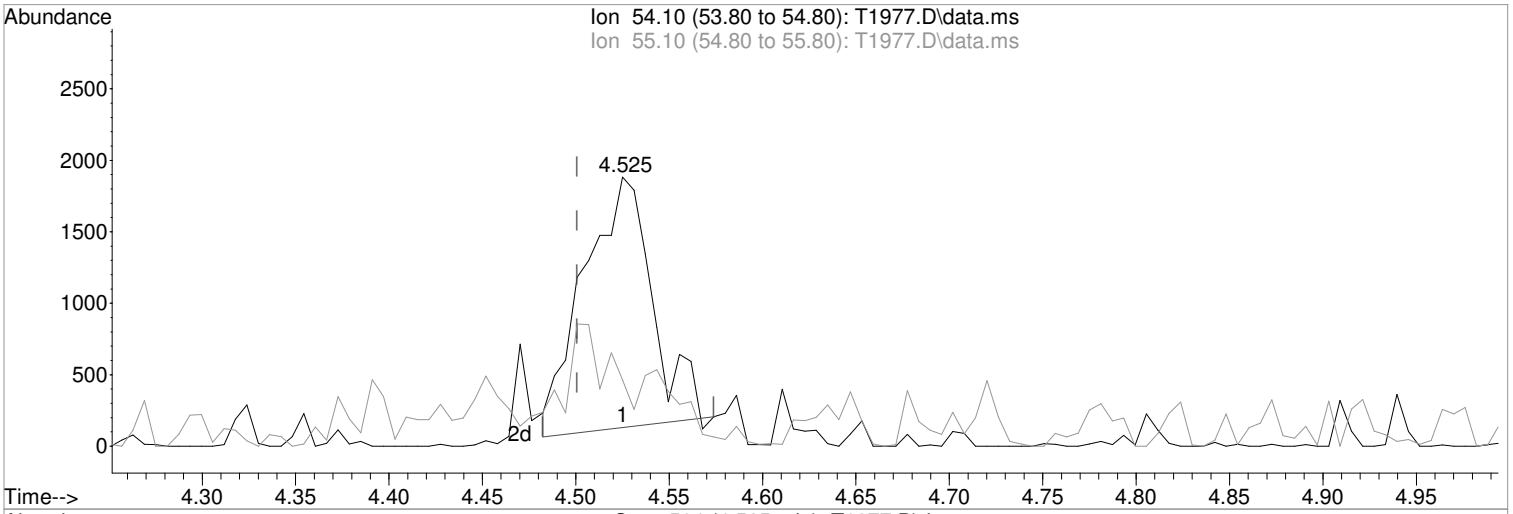
Poor integration.

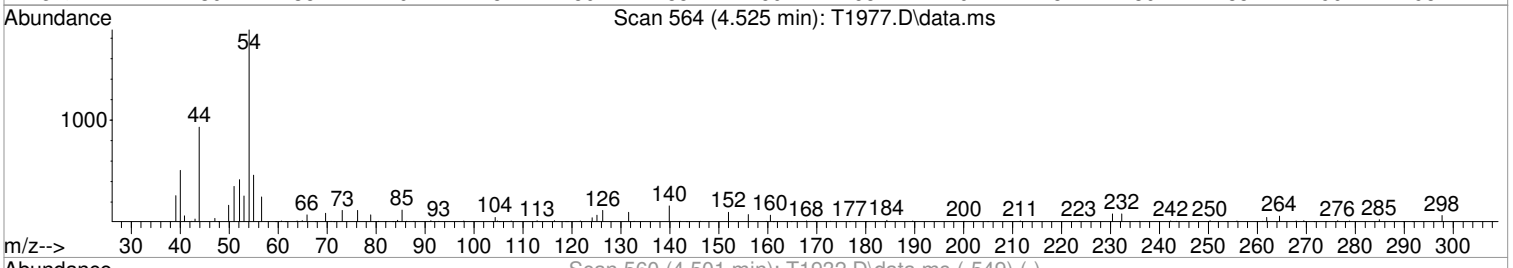
09/17/20

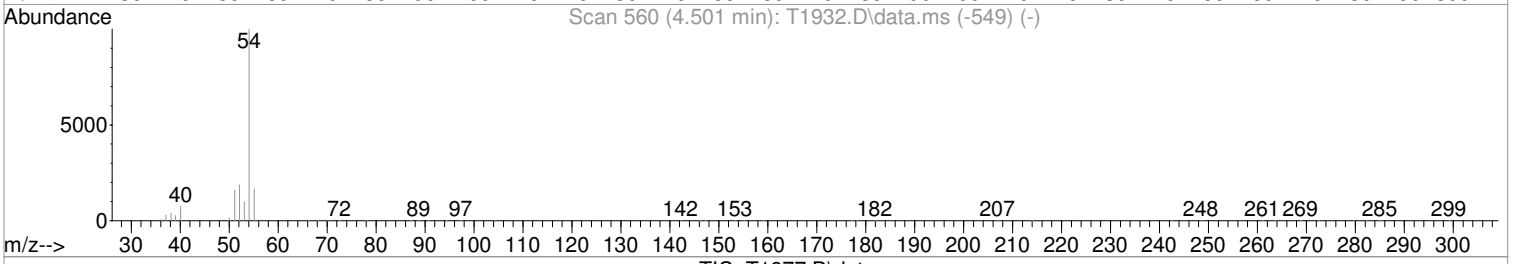
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(35) Propionitrile

4.525min (+0.024) 10.10 ug/L

response 4468

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	24.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

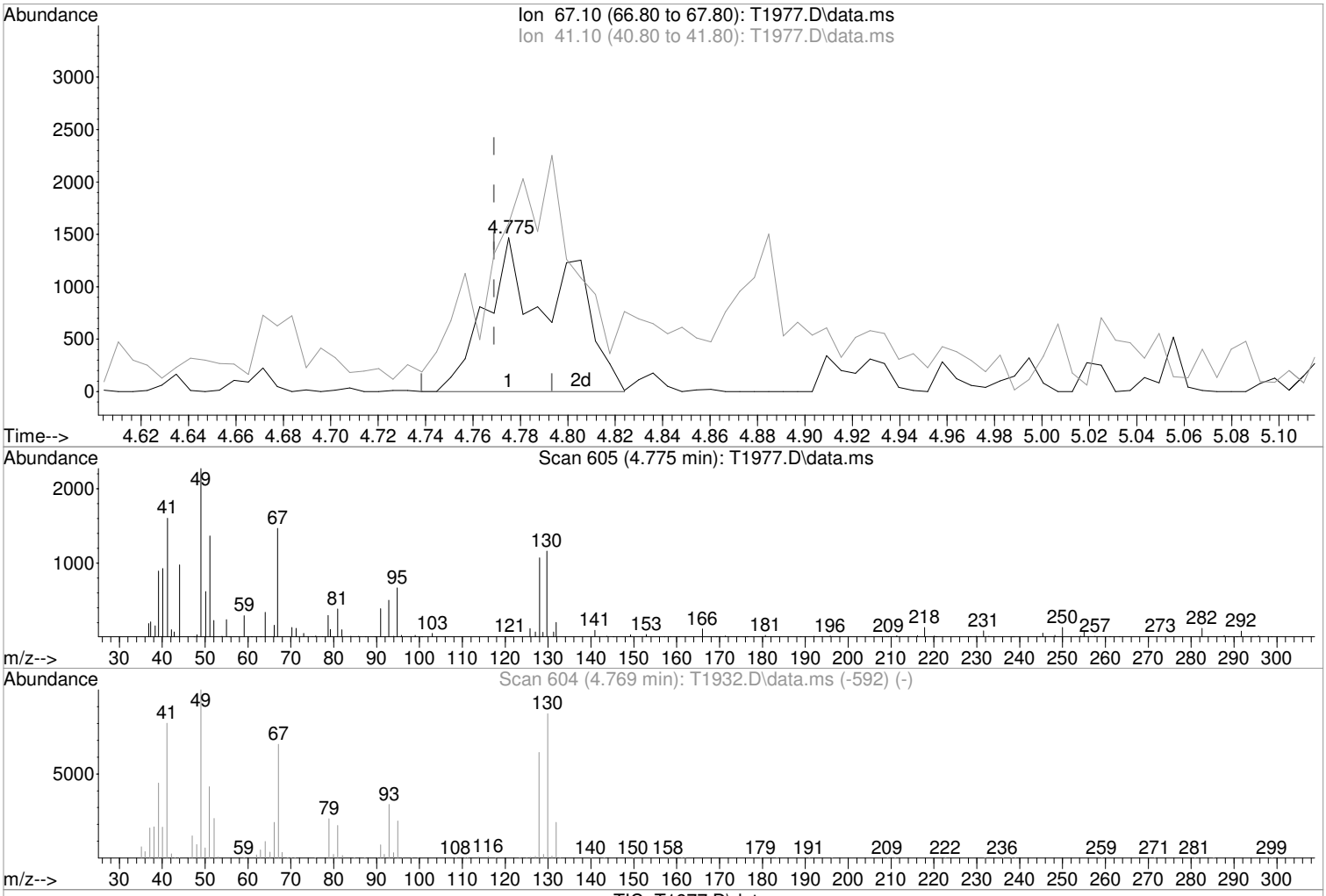
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1977.D\data.ms

(37) Methacrylonitrile

4.775min (+0.006) 2.59 ug/L m

response 3263

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	109.33
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

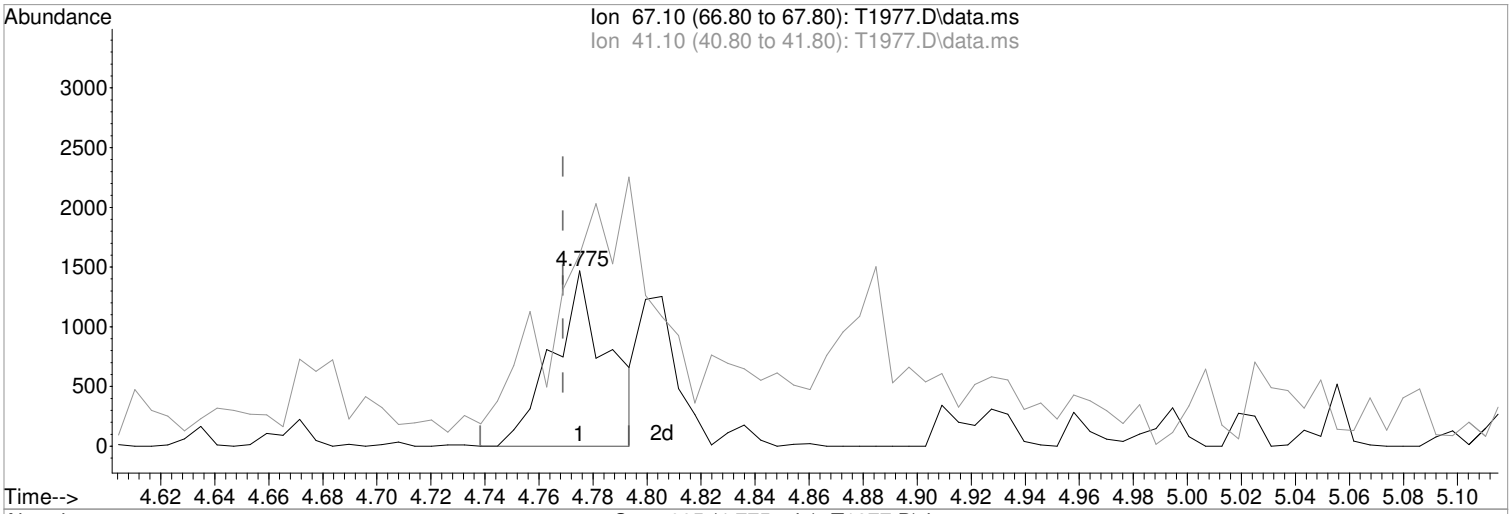
09/17/20

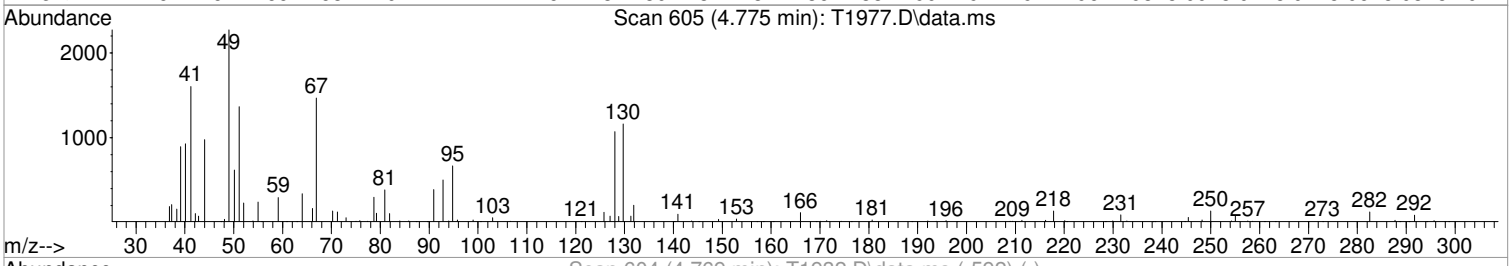
1st FW 09/18/20
2nd WR 09/19/20

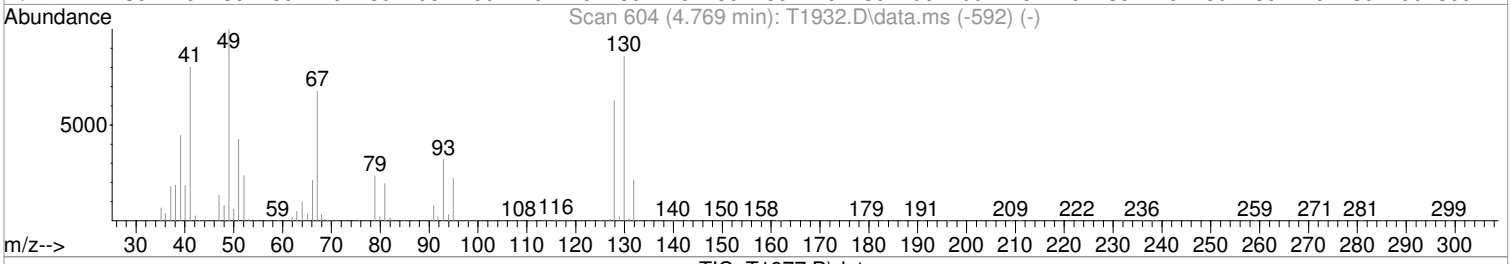
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(37) Methacrylonitrile

4.775min (+0.006) 1.65 ug/L

response 2077

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	109.33
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

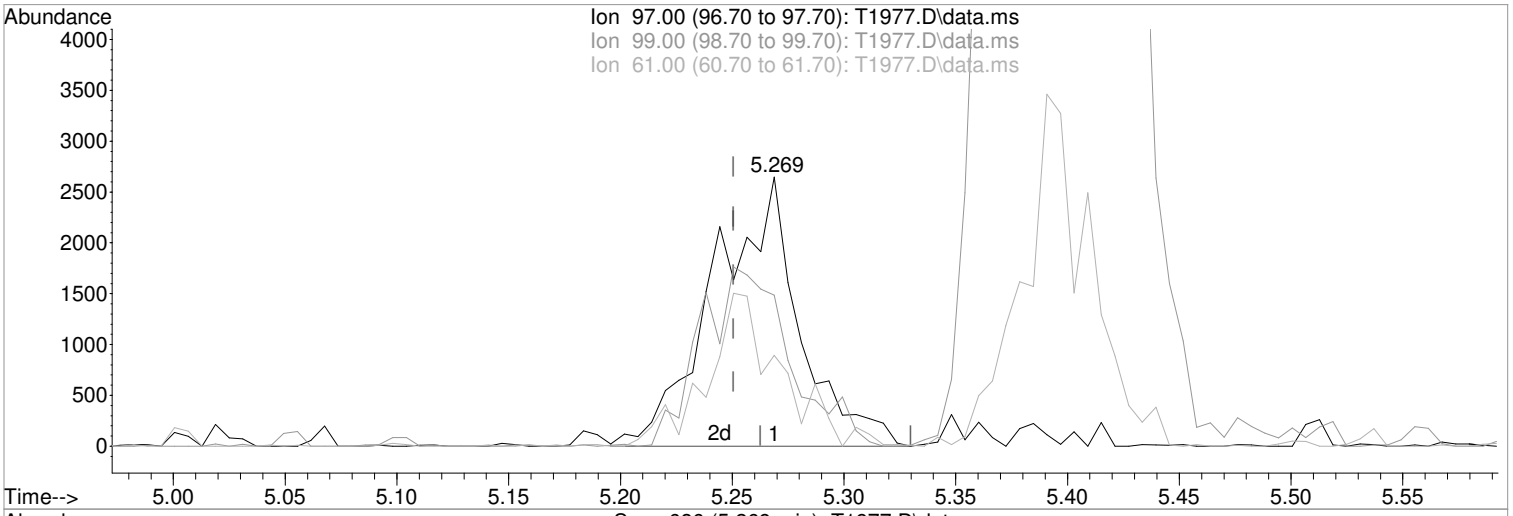
Before

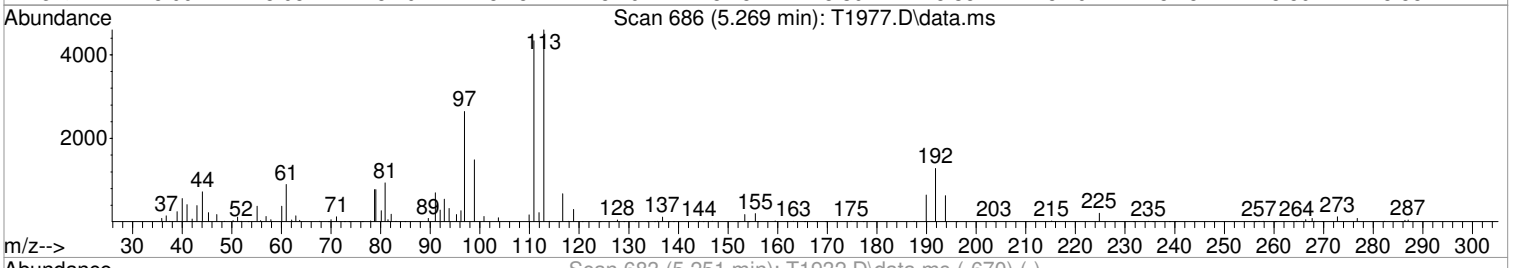
09/17/20

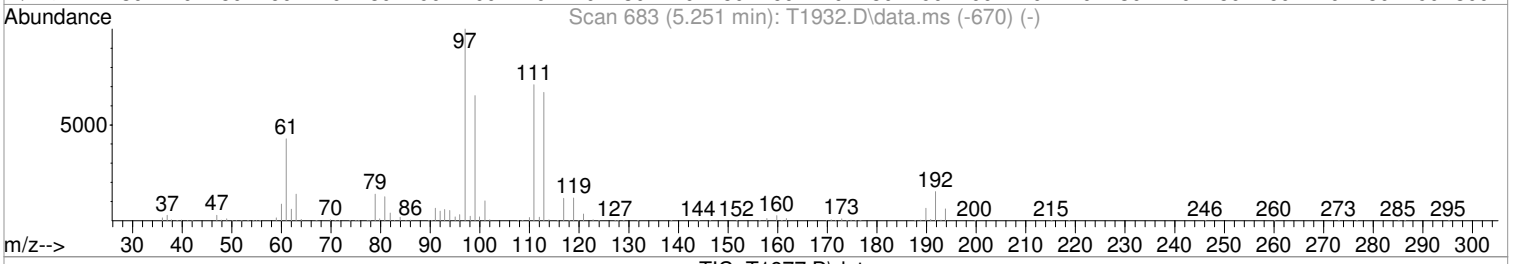
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

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

5.269min (+0.018) 1.84 ug/L m

response 7065

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	56.12
61.00	42.70	33.82
0.00	0.00	0.00

Manual Integration:

After

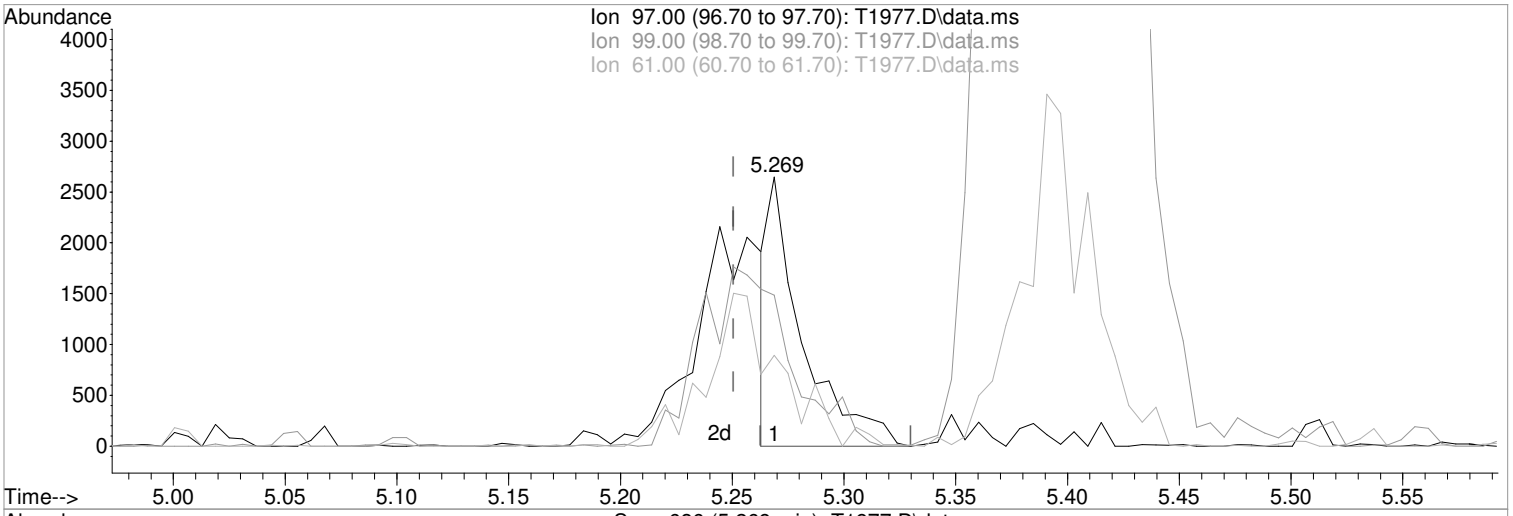
Poor integration.

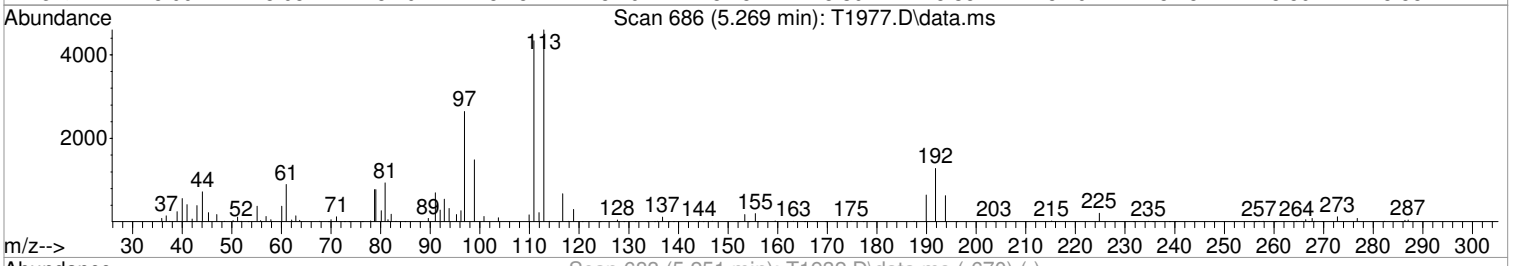
09/17/20

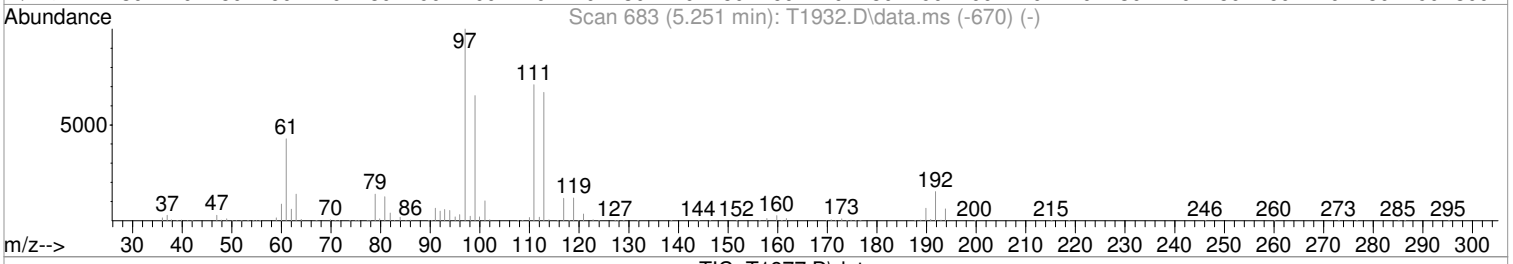
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

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

5.269min (+0.018) 0.73 ug/L

response 2806

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	56.12
61.00	42.70	33.82
0.00	0.00	0.00

Manual Integration:

Before

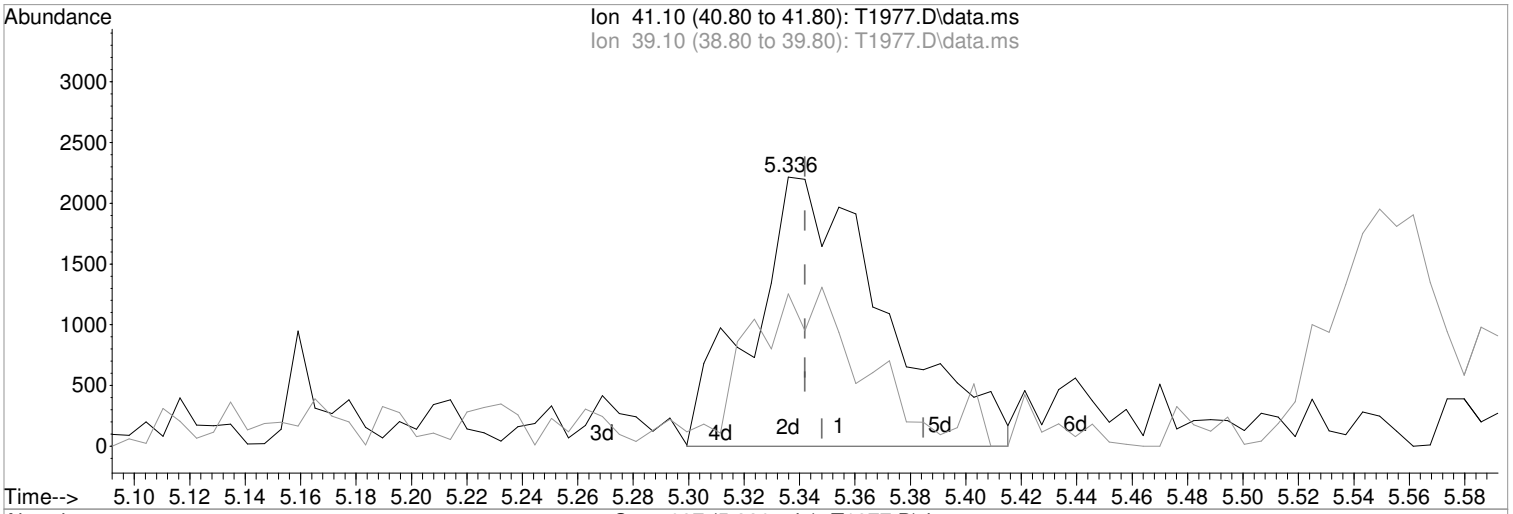
09/17/20

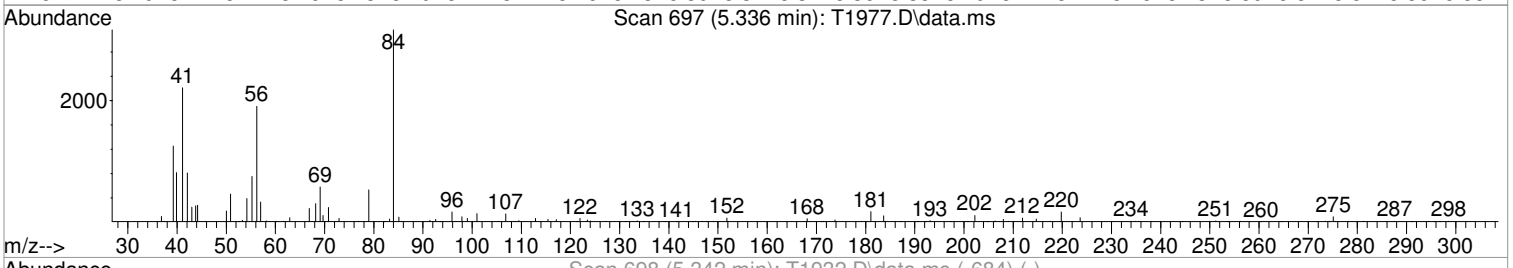
1st FN 09/18/20
2nd 09/19/20

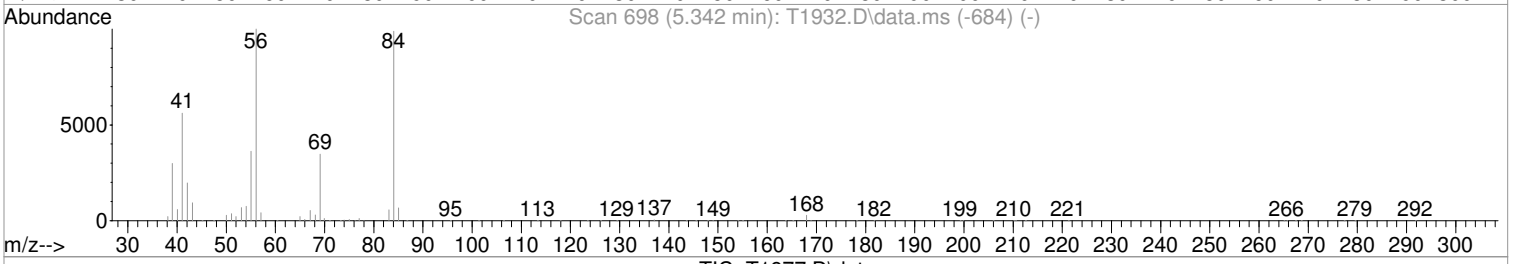
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(42) Cyclohexane (P)

5.336min (-0.006) 3.60 ug/L m

response 7400

Ion	Exp%	Act%
41.10	100	100
39.10	53.20	56.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

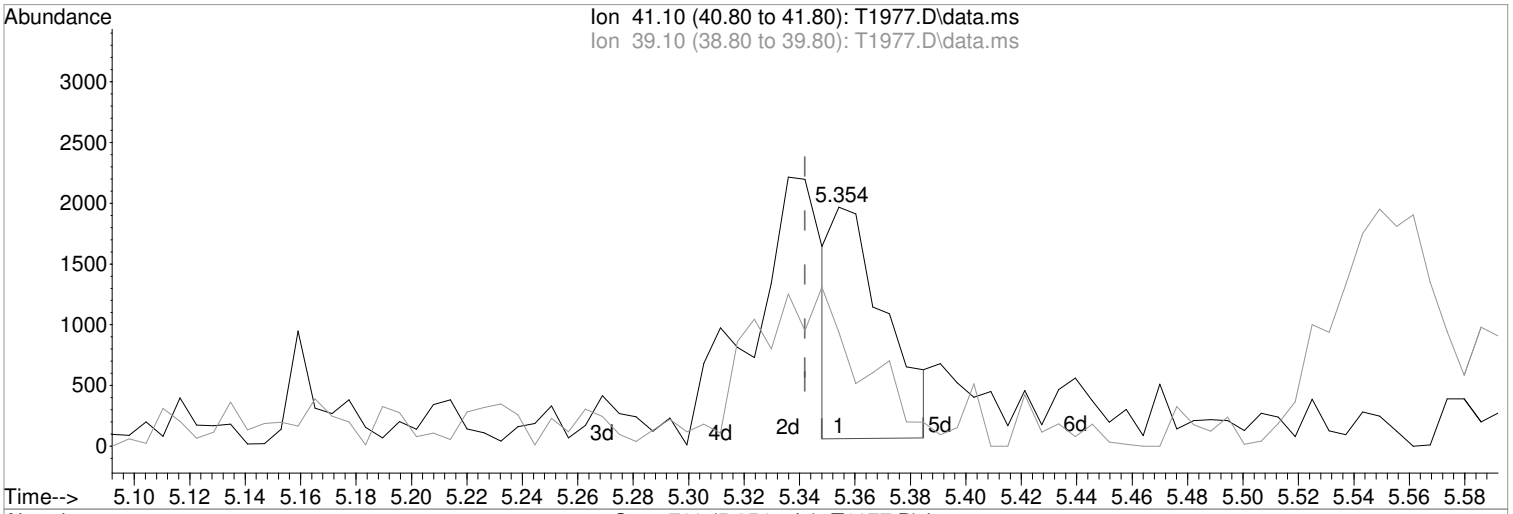
09/17/20

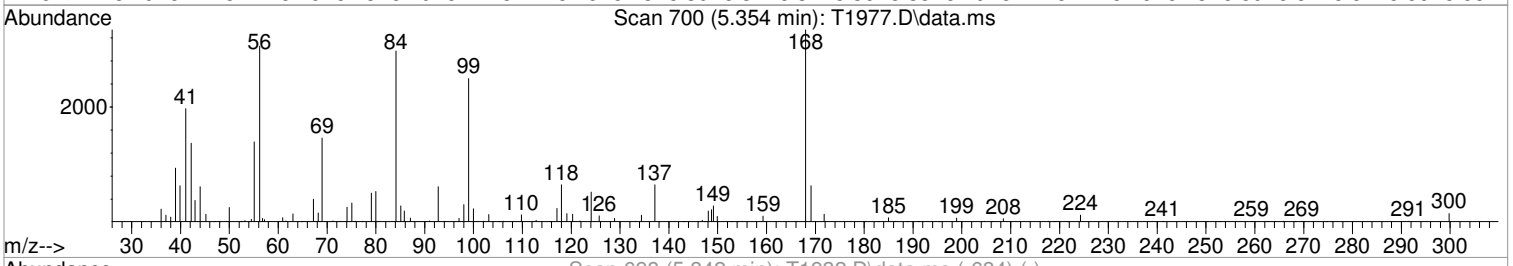
1st FW 09/18/20
2nd WR 09/19/20

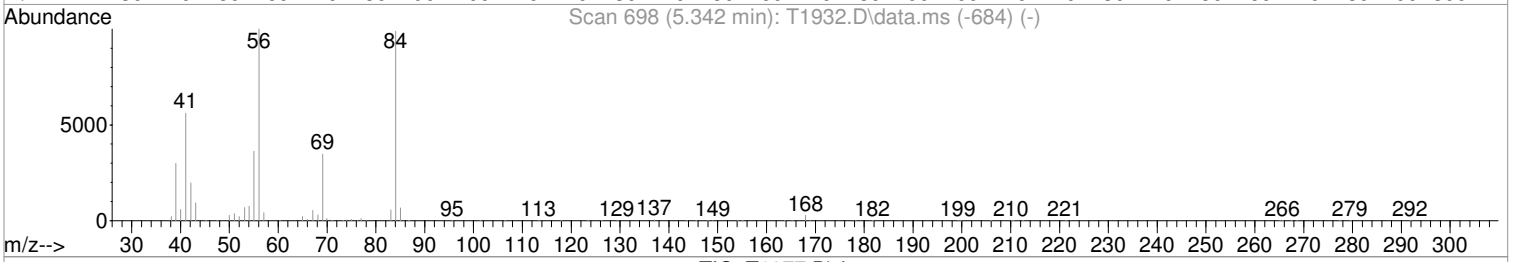
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(42) Cyclohexane (P)

5.354min (+0.012) 1.25 ug/L

response 2563

Ion	Exp%	Act%
41.10	100	100
39.10	53.20	47.61
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

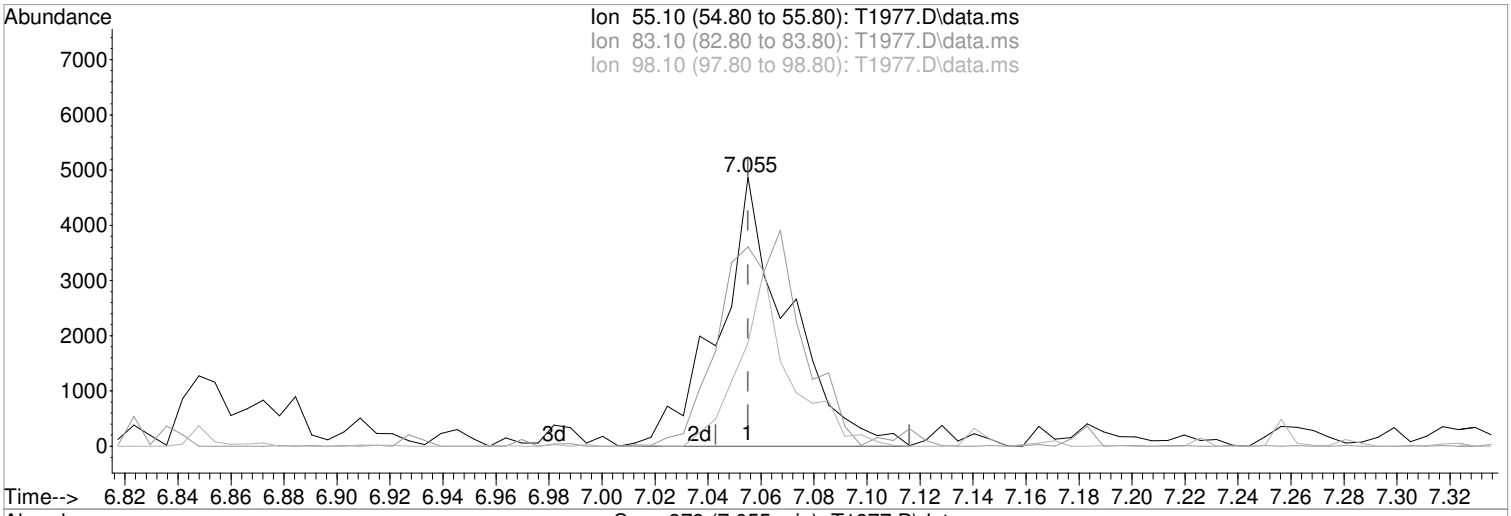
09/17/20

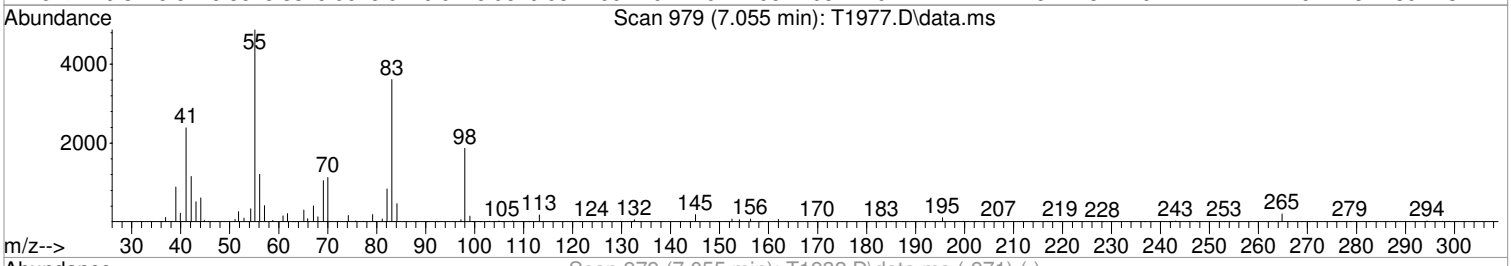
1st FJ 09/18/20
2nd 09/19/20

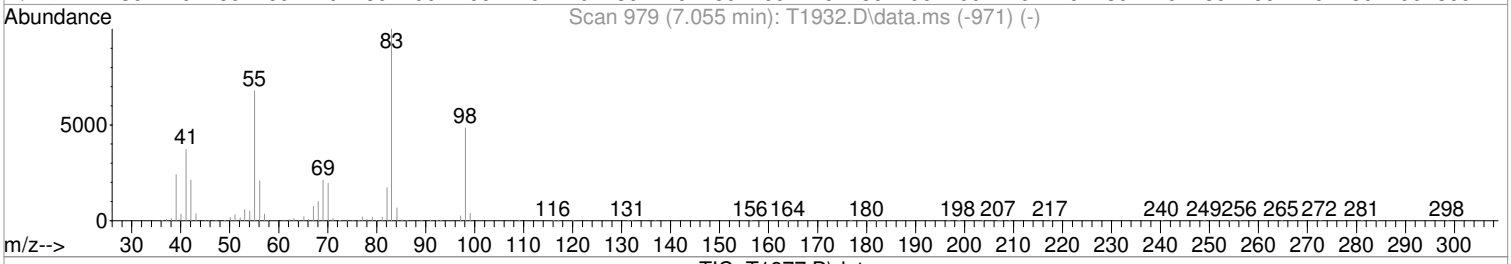
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(54) Methylcyclohexane (P)

7.055min (-0.000) 3.31 ug/L m

response 8906

Ion	Exp%	Act%
55.10	100	100
83.10	147.30	74.15#
98.10	71.40	38.31#
0.00	0.00	0.00

Manual Integration:

After

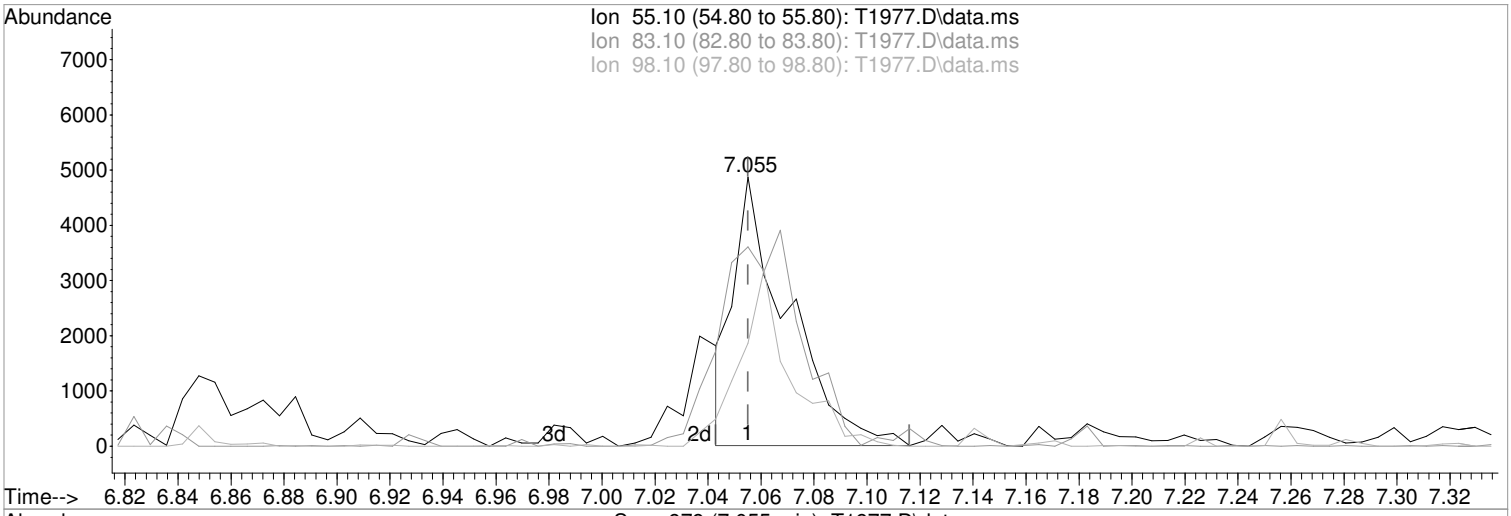
Poor integration.

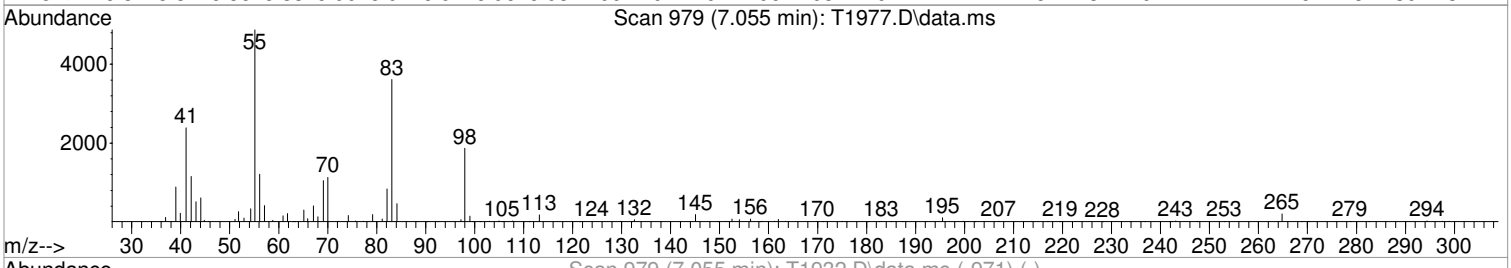
09/17/20

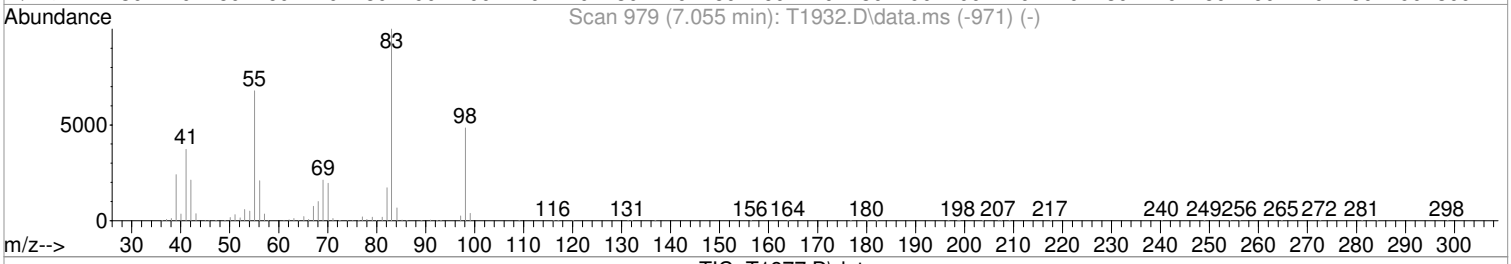
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(54) Methylcyclohexane (P)

7.055min (-0.000) 2.57 ug/L

response 6910

Ion	Exp%	Act%
55.10	100	100
83.10	147.30	74.15#
98.10	71.40	38.31#
0.00	0.00	0.00

Manual Integration:

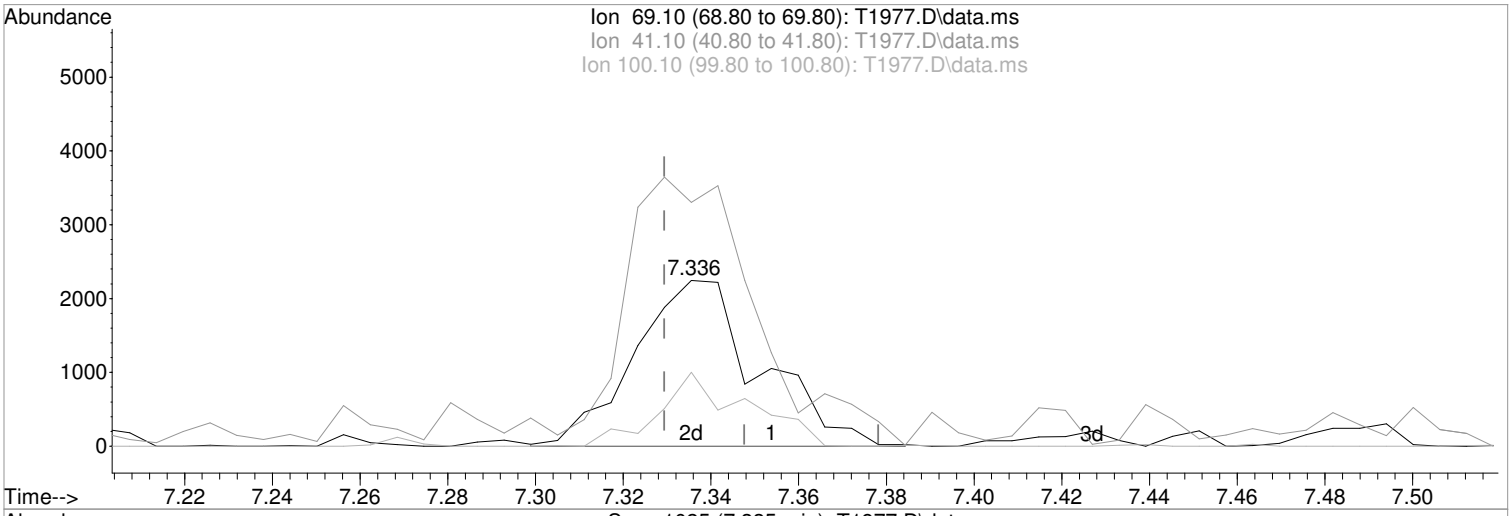
Before

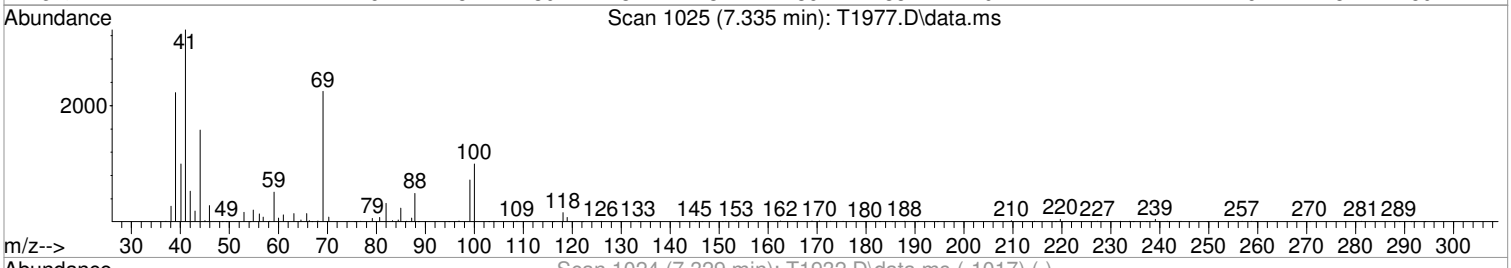
09/17/20

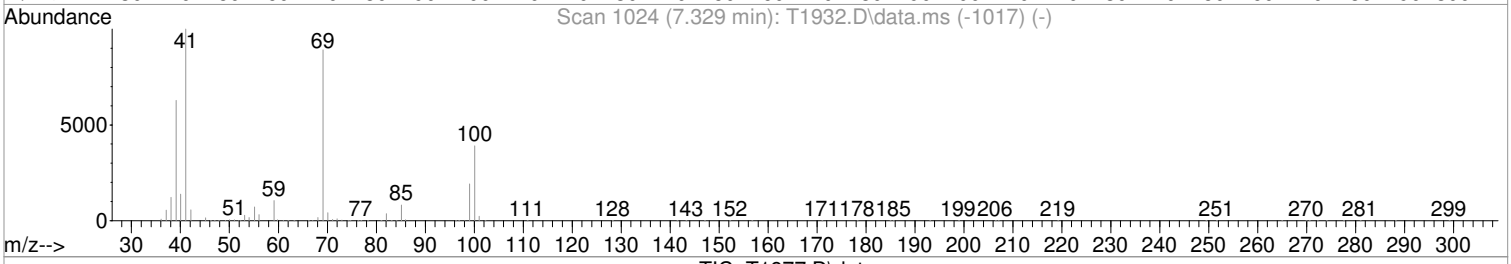
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(58) Methyl Methacrylate

7.335min (+0.006) 1.84 ug/L m

response 4479

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	146.97#
100.10	43.80	44.57
0.00	0.00	0.00

Manual Integration:

After

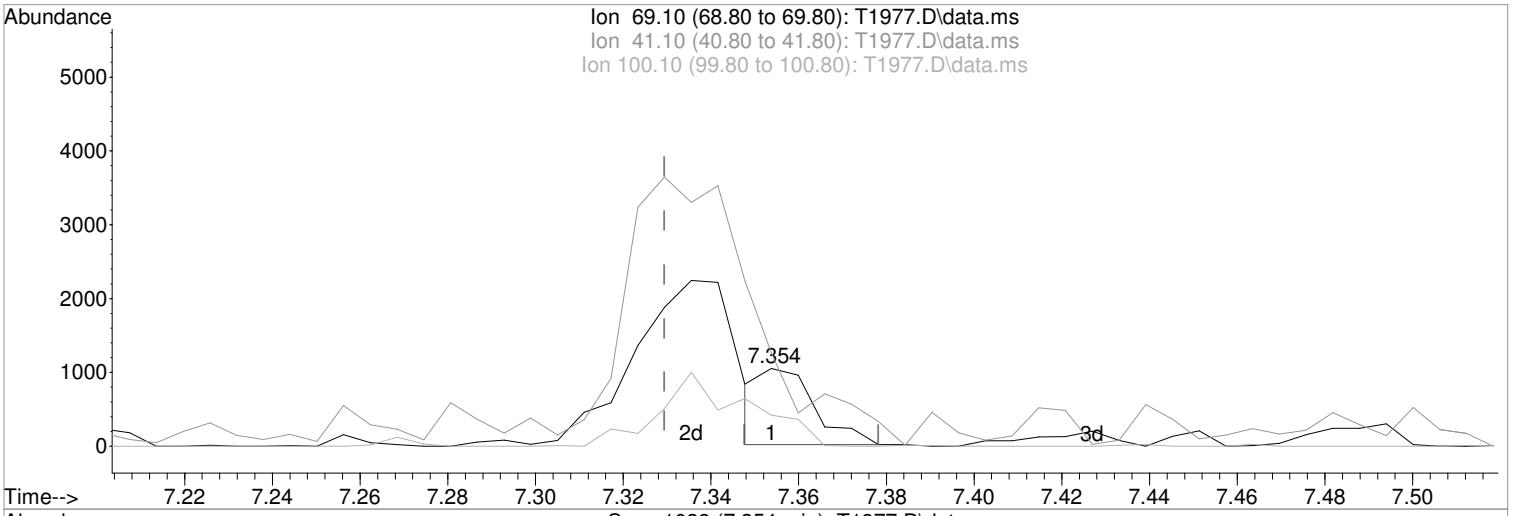
Poor integration.

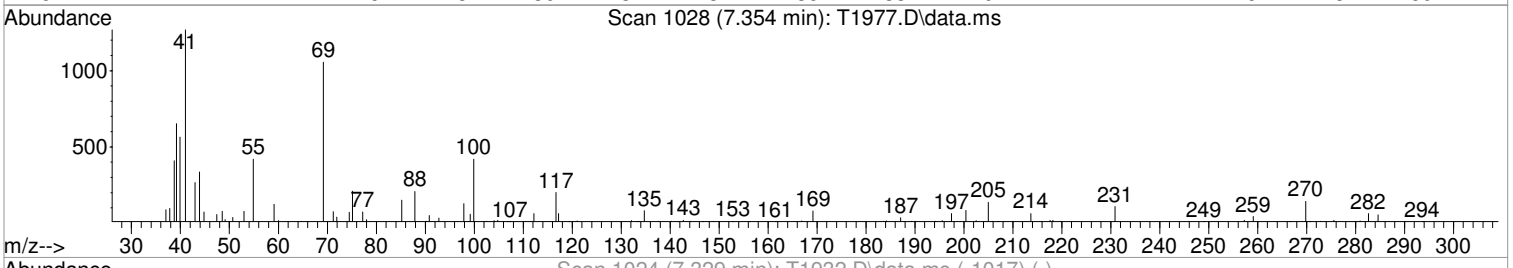
09/17/20

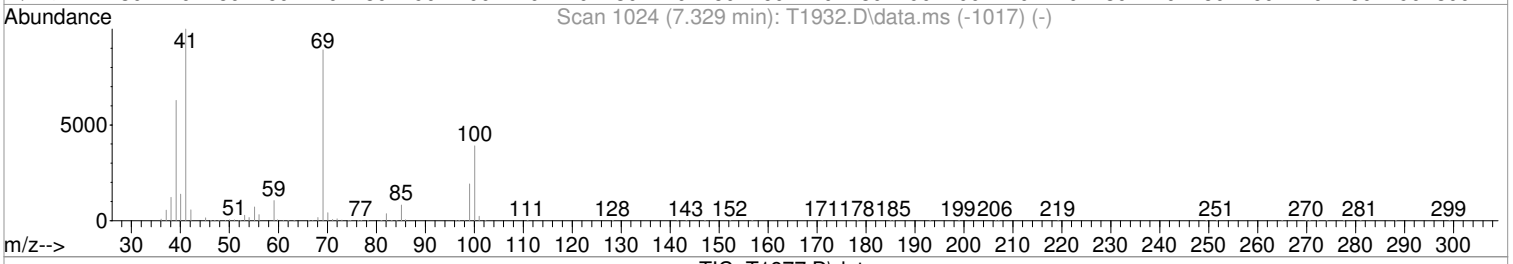
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(58) Methyl Methacrylate

7.354min (+0.024) 0.37 ug/L

response 893

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	120.19
100.10	43.80	39.72
0.00	0.00	0.00

Manual Integration:

Before

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:16:04 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	252682	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	391060	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	346367	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	174503	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	24366	9.98	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 19.96%#				
46) surr1,1,2-dichloroetha...	5.787	65	32362	10.20	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.40%#				
64) SURR3,Toluene-d8	8.317	98	101460	10.55	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.10%#				
69) SURR2,BFB	10.878	95	35511	9.24	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 18.48%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	5095	1.69	ug/L		89
3) Chloromethane	1.282	50	7620	2.91	ug/L		73
4) Vinyl Chloride	1.361	62	6162	2.45	ug/L	#	32
5) Bromomethane	1.587	94	6566	3.01	ug/L		87
6) Chloroethane	1.666	64	3508	2.57	ug/L		84
7) Freon 21	1.818	67	10582	2.48	ug/L		79
8) Trichlorofluoromethane	1.867	101	7181	2.01	ug/L		90
9) Diethyl Ether	2.099	59	5413	2.61	ug/L		88
10) Freon 123a	2.099	67	6909	2.39	ug/L		81
11) Freon 123	2.154	83	6960	2.12	ug/L		84
12) Acrolein	2.202	56	9262	16.87	ug/L		96
13) 1,1-Diclethene	2.294	96	3644	2.08	ug/L	#	81
14) Freon 113	2.300	101	4521	2.20	ug/L		84
15) Acetone	2.336	43	4183	4.42	ug/L		82
16) 2-Propanol	2.465	45	13190	63.84	ug/L		69
17) Iodomethane	2.416	142	2812	0.95	ug/L	#	58
18) Carbon Disulfide	2.483	76	14508	2.38	ug/L		90
19) Acetonitrile	2.593	41	5723	16.94	ug/L		93
20) Allyl Chloride	2.629	76	2532	2.03	ug/L		93
21) Methyl Acetate	2.653	43	8890m	4.36	ug/L		
22) Methylene Chloride	2.745	84	4923	1.96	ug/L	#	69
23) TBA	2.867	59	19291	49.12	ug/L		95
24) Acrylonitrile	2.995	53	14586m	14.36	ug/L		
25) Methyl-t-Butyl Ether	3.038	73	14531	1.86	ug/L		62
26) trans-1,2-Dichloroethene	3.031	96	4207	2.19	ug/L		84
27) 1,1-Diclethane	3.544	63	8977	2.29	ug/L		85
28) Vinyl Acetate	3.635	86	716m	1.71	ug/L		
29) DIPE	3.659	45	19520	3.06	ug/L		87
30) 2-Chloro-1,3-Butadiene	3.665	53	8721	2.58	ug/L		83
31) ETBE	4.196	59	16995	2.51	ug/L		81
32) 2,2-Dichloropropane	4.373	77	7890	2.20	ug/L	#	75
33) cis-1,2-Dichloroethene	4.373	96	5312	2.14	ug/L	#	83
34) 2-Butanone	4.434	43	5936	4.37	ug/L		86
35) Propionitrile	4.525	54	5870m	13.27	ug/L		
36) Bromochloromethane	4.769	130	3399	2.12	ug/L		89
37) Methacrylonitrile	4.775	67	3263m	2.59	ug/L		
38) Tetrahydrofuran	4.879	42	3871	3.99	ug/L		79
39) Chloroform	4.970	83	10023	2.33	ug/L	#	74
40) 1,1,1-Trichloroethane	5.269	97	7065m	1.84	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:16:04 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.336	41	7400m	3.60	ug/L		
44) Carbontetrachloride	5.531	117	6074	2.04	ug/L	#	54
45) 1,1-Dichloropropene	5.549	75	6620	2.09	ug/L		89
47) Benzene	5.878	78	19586	2.07	ug/L		87
48) 1,2-Dichloroethane	5.909	62	6920	1.89	ug/L		85
49) Iso-Butyl Alcohol	5.891	43	9154	65.34	ug/L		77
50) TAME	6.116	73	14934	2.02	ug/L		85
51) n-Heptane	6.360	43	7036	2.94	ug/L		87
52) 1-Butanol	6.854	56	10326	106.02	ug/L		97
53) Trichloroethene	6.823	130	4444	1.81	ug/L	#	73
54) Methylcyclohexane	7.055	55	8906m	3.31	ug/L		
55) 1,2-Diclpropane	7.110	63	5843	2.46	ug/L		85
56) Dibromomethane	7.250	93	3691	2.16	ug/L	#	69
57) 1,4-Dioxane	7.323	88	2302	46.81	ug/L		77
58) Methyl Methacrylate	7.335	69	4479m	1.84	ug/L		
59) Bromodichloromethane	7.476	83	7175	2.05	ug/L		76
60) 2-Nitropropane	7.756	41	4386	5.05	ug/L	#	65
61) 2-Chloroethylvinyl Ether	7.890	63	2286	2.02	ug/L	#	49
62) cis-1,3-Dichloropropene	8.024	75	8603	2.17	ug/L		93
63) 4-Methyl-2-pentanone	8.219	43	8406	3.15	ug/L		84
65) Toluene	8.384	91	21283	2.11	ug/L		83
66) trans-1,3-Dichloropropene	8.658	75	8281	2.13	ug/L		96
67) Ethyl Methacrylate	8.799	69	8092	1.98	ug/L		94
68) 1,1,2-Trichloroethane	8.841	97	4994	2.08	ug/L		84
71) Tetrachloroethene	8.982	164	3462	1.92	ug/L	#	81
72) 2-Hexanone	9.140	43	5663	2.93	ug/L		94
73) 1,3-Dichloropropane	9.024	76	8988	2.26	ug/L		90
74) Dibromochloromethane	9.244	129	4566	1.88	ug/L	#	75
75) N-Butyl Acetate	9.292	43	10794	2.60	ug/L		92
76) 1,2-Dibromoethane	9.335	107	5381	2.21	ug/L	#	81
77) 3-Chlorobenzotrifluoride	9.847	180	7773	2.37	ug/L	#	73
78) Chlorobenzene	9.835	112	14321	2.34	ug/L		90
79) 4-Chlorobenzotrifluoride	9.908	180	5865	2.09	ug/L		75
80) 1,1,1,2-Tetrachloroethane	9.920	131	4641	2.07	ug/L	#	76
81) Ethylbenzene	9.957	106	6650	2.00	ug/L		94
82) (m+p)Xylene	10.067	106	17644	4.35	ug/L		89
83) o-Xylene	10.420	106	7847	1.85	ug/L		98
84) Styrene	10.439	104	11924	1.68	ug/L		99
85) Bromoform	10.591	173	3395	2.09	ug/L	#	67
86) 2-Chlorobenzotrifluoride	10.670	180	5340	1.64	ug/L		83
87) Isopropylbenzene	10.756	105	22020	2.14	ug/L		88
88) Cyclohexanone	10.823	55	23649	51.82	ug/L		87
89) trans-1,4-Dichloro-2-B...	11.066	53	1914	2.45	ug/L	#	50
91) 1,1,2,2-Tetrachloroethane	11.018	83	6696	2.02	ug/L		89
92) Bromobenzene	11.006	156	5010	1.78	ug/L	#	80
93) 1,2,3-Trichloropropane	11.042	110	1765	1.61	ug/L	#	75
94) n-Propylbenzene	11.115	91	25618	2.21	ug/L		95
95) 2-Chlorotoluene	11.176	91	17535	2.29	ug/L		93
96) 3-Chlorotoluene	11.231	91	16422	2.08	ug/L		94
97) 4-Chlorotoluene	11.268	91	17109	2.06	ug/L		95
98) 1,3,5-Trimethylbenzene	11.262	105	17206	2.05	ug/L		94
99) tert-Butylbenzene	11.536	119	14475	2.02	ug/L		85
100) 1,2,4-Trimethylbenzene	11.579	105	17021	1.97	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	6060	2.41	ug/L		82
102) sec-Butylbenzene	11.719	105	21059	2.01	ug/L		97
103) p-Isopropyltoluene	11.841	119	18538	2.17	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:16:04 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

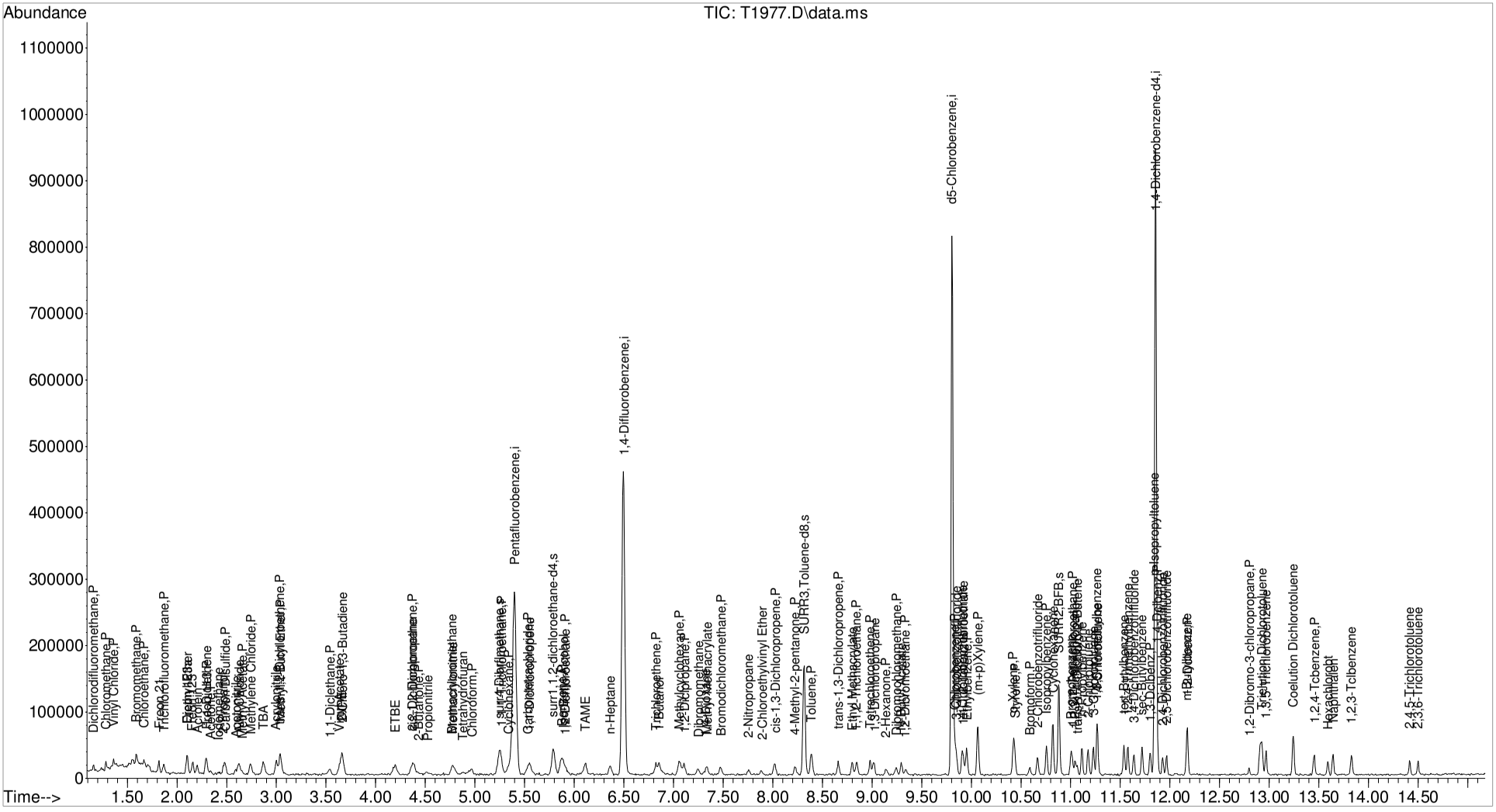
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.798	146	10264	2.07	ug/L		79
105) 1,4-Dclbenz	11.871	146	10468	1.99	ug/L		80
106) 2,4-Dichlorobenzotrifl...	11.926	214	4170	1.88	ug/L		79
107) 2,5-Dichlorobenzotrifl...	11.969	214	5297	2.10	ug/L	#	65
108) n-Butylbenzene	12.170	91	17155	2.21	ug/L		90
109) 1,2-Dclbenz	12.176	146	10007	2.02	ug/L		91
110) 1,2-Dibromo-3-chloropr...	12.798	157	1376	1.68	ug/L		94
111) Trielution Dichlorotol...	12.926	125	24905	5.76	ug/L		90
112) 1,3,5-Trichlorobenzene	12.969	180	6839	1.90	ug/L		88
113) Coelution Dichlorotoluene	13.237	125	17817	3.75	ug/L		90
114) 1,2,4-Tcbenzene	13.456	180	6495	1.91	ug/L		88
115) Hexachlorobt	13.590	225	2866	1.93	ug/L		86
116) Naphthalen	13.645	128	17144	1.87	ug/L		95
117) 1,2,3-Tclbenzene	13.828	180	6607	1.93	ug/L		89
118) 2,4,5-Trichlorotoluene	14.413	159	3715	1.70	ug/L		89
119) 2,3,6-Trichlorotoluene	14.499	159	3324	1.67	ug/L		92

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:16:04 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

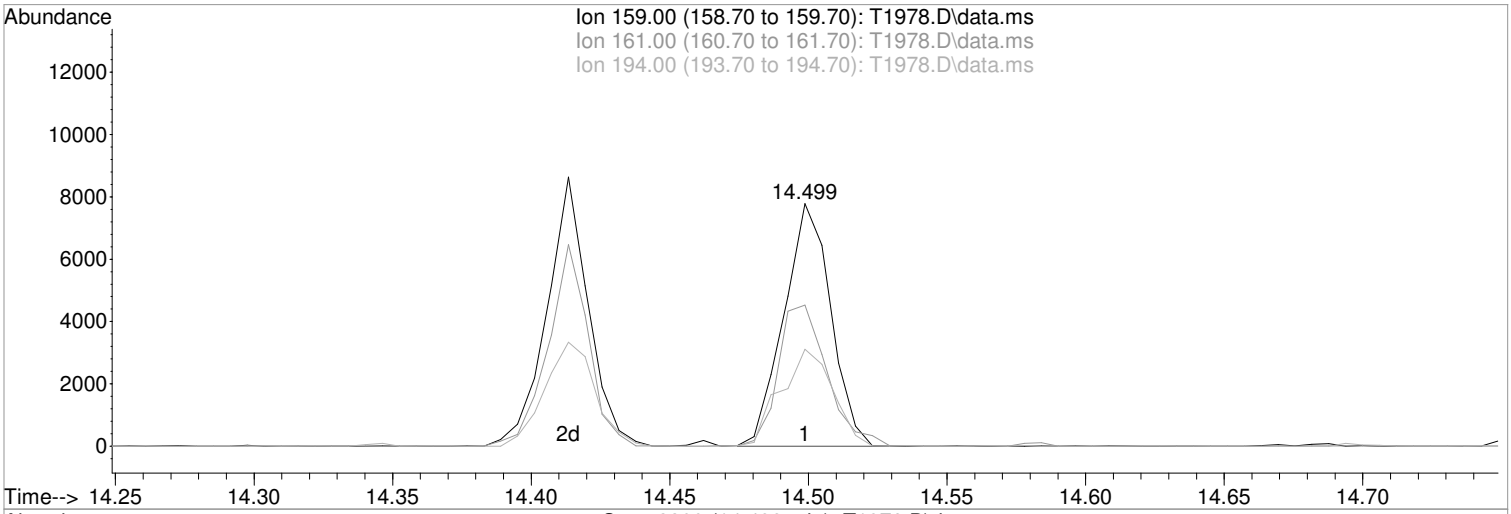


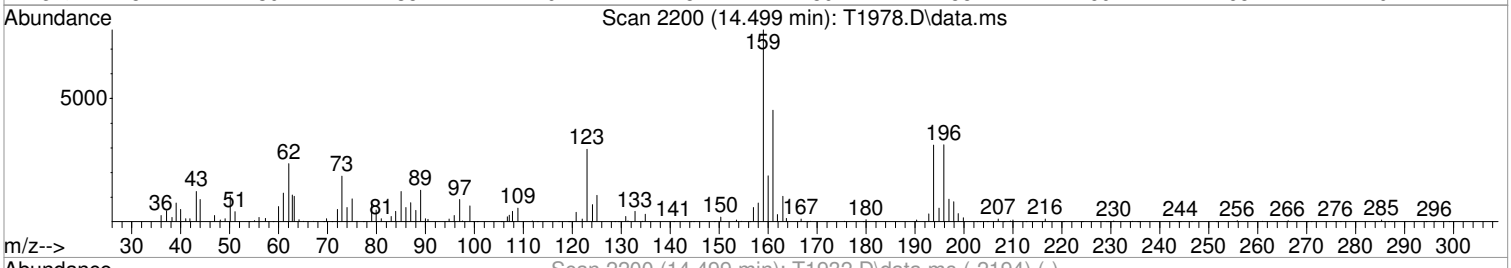
1st FJ 09/18/20
2nd 09/16/20

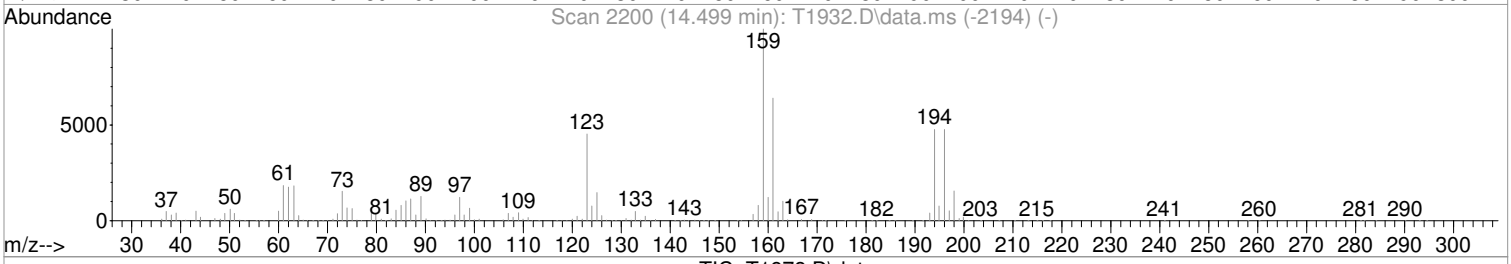
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:16:51 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1978.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.499min (-0.000) 4.26 ug/L m

response 9140

Ion	Exp%	Act%
159.00	100	100
161.00	63.80	58.13
194.00	47.70	40.02
0.00	0.00	0.00

Manual Integration:

After

Other - deleted on mistake

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:17:59 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	255153	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	386830	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	354807	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	188215	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	26293	10.89	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.78%#				
46) surr1,1,2-dichloroetha...	5.787	65	32007	10.20	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.40%#				
64) SURR3,Toluene-d8	8.317	98	101814	10.70	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.40%#				
69) SURR2,BFB	10.877	95	37098	9.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 19.52%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	12650	4.14	ug/L		83
3) Chloromethane	1.282	50	18859	7.14	ug/L		91
4) Vinyl Chloride	1.361	62	15930	6.27	ug/L		96
5) Bromomethane	1.587	94	11755	5.33	ug/L		87
6) Chloroethane	1.666	64	7968	5.78	ug/L		88
7) Freon 21	1.818	67	25195	5.85	ug/L		96
8) Trichlorofluoromethane	1.861	101	19398	5.37	ug/L		98
9) Diethyl Ether	2.099	59	12681	6.07	ug/L	#	83
10) Freon 123a	2.105	67	16604	5.69	ug/L		88
11) Freon 123	2.154	83	16241	4.91	ug/L	#	74
12) Acrolein	2.202	56	19639	35.42	ug/L		97
13) 1,1-Diclethene	2.294	96	9161	5.19	ug/L		95
14) Freon 113	2.294	101	11535	5.56	ug/L		80
15) Acetone	2.336	43	6580	6.89	ug/L		73
16) 2-Propanol	2.471	45	31532	151.13	ug/L		96
17) Iodomethane	2.422	142	10154	3.40	ug/L		77
18) Carbon Disulfide	2.483	76	35604	5.77	ug/L		99
19) Acetonitrile	2.586	41	12902	37.81	ug/L		87
20) Allyl Chloride	2.623	76	7502	5.97	ug/L	#	90
21) Methyl Acetate	2.647	43	17625	8.57	ug/L		78
22) Methylene Chloride	2.739	84	13742	5.41	ug/L		91
23) TBA	2.873	59	45452	114.62	ug/L		96
24) Acrylonitrile	3.001	53	36501	35.60	ug/L		96
25) Methyl-t-Butyl Ether	3.044	73	40272	5.10	ug/L		88
26) trans-1,2-Dichloroethene	3.038	96	10588	5.46	ug/L		97
27) 1,1-Diclethane	3.531	63	23686	5.99	ug/L		95
28) Vinyl Acetate	3.635	86	2945	6.95	ug/L	#	73
29) DIPE	3.665	45	48144	7.47	ug/L		91
30) 2-Chloro-1,3-Butadiene	3.665	53	20847	6.10	ug/L	#	72
31) ETBE	4.196	59	39469	5.78	ug/L	#	73
32) 2,2-Dichloropropane	4.360	77	18741	5.18	ug/L		92
33) cis-1,2-Dichloroethene	4.379	96	13795	5.50	ug/L		89
34) 2-Butanone	4.428	43	10964	7.99	ug/L		97
35) Propionitrile	4.513	54	14402	32.23	ug/L		85
36) Bromochloromethane	4.775	130	9057	5.60	ug/L		89
37) Methacrylonitrile	4.781	67	7455	5.87	ug/L		94
38) Tetrahydrofuran	4.866	42	8291	8.45	ug/L	#	57
39) Chloroform	4.952	83	22735	5.24	ug/L		83
40) 1,1,1-Trichloroethane	5.263	97	18950	4.88	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:17:59 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	13721	6.76	ug/L		81
44) Carbontetrachloride	5.537	117	14450	4.90	ug/L		97
45) 1,1-Dichloropropene	5.543	75	16851	5.39	ug/L		89
47) Benzene	5.878	78	45163	4.82	ug/L		93
48) 1,2-Dichloroethane	5.903	62	17356	4.78	ug/L		91
49) Iso-Butyl Alcohol	5.891	43	19769	142.65	ug/L		91
50) TAME	6.116	73	37695	5.16	ug/L		94
51) n-Heptane	6.360	43	17285	7.30	ug/L	#	72
52) 1-Butanol	6.854	56	31782	329.88	ug/L		97
53) Trichloroethene	6.823	130	12058	4.97	ug/L	#	88
54) Methylcyclohexane	7.061	55	17663	6.63	ug/L	#	70
55) 1,2-Diclpropane	7.110	63	13724	5.85	ug/L		90
56) Dibromomethane	7.244	93	8113	4.80	ug/L		91
57) 1,4-Dioxane	7.311	88	5588	114.88	ug/L		88
58) Methyl Methacrylate	7.329	69	11129	4.62	ug/L		90
59) Bromodichloromethane	7.476	83	17107	4.94	ug/L		92
60) 2-Nitropropane	7.762	41	9907	11.52	ug/L		96
61) 2-Chloroethylvinyl Ether	7.884	63	5773	5.17	ug/L		94
62) cis-1,3-Dichloropropene	8.018	75	20094	5.12	ug/L		88
63) 4-Methyl-2-pentanone	8.219	43	20650	7.82	ug/L		87
65) Toluene	8.390	91	54153	5.43	ug/L		98
66) trans-1,3-Dichloropropene	8.658	75	18782	4.89	ug/L		90
67) Ethyl Methacrylate	8.799	69	19211	4.76	ug/L	#	60
68) 1,1,2-Trichloroethane	8.847	97	13318	5.62	ug/L		87
71) Tetrachloroethene	8.982	164	8820	4.79	ug/L		90
72) 2-Hexanone	9.140	43	13216	6.68	ug/L		86
73) 1,3-Dichloropropane	9.018	76	22061	5.41	ug/L		96
74) Dibromochloromethane	9.238	129	12194	4.91	ug/L		90
75) N-Butyl Acetate	9.292	43	31121	7.30	ug/L		85
76) 1,2-Dibromoethane	9.335	107	12833	5.14	ug/L		93
77) 3-Chlorobenzotrifluoride	9.853	180	17182	5.12	ug/L		90
78) Chlorobenzene	9.829	112	32279	5.14	ug/L		96
79) 4-Chlorobenzotrifluoride	9.908	180	14150	4.93	ug/L		90
80) 1,1,1,2-Tetrachloroethane	9.920	131	11259	4.91	ug/L		89
81) Ethylbenzene	9.951	106	17607	5.17	ug/L	#	78
82) (m+p)Xylene	10.067	106	43093	10.37	ug/L		97
83) o-Xylene	10.420	106	21706	5.00	ug/L		92
84) Styrene	10.439	104	35917	4.93	ug/L		96
85) Bromoform	10.585	173	8113	4.87	ug/L		84
86) 2-Chlorobenzotrifluoride	10.664	180	16401	4.92	ug/L		89
87) Isopropylbenzene	10.756	105	51619	4.89	ug/L		97
88) Cyclohexanone	10.817	55	67195	143.75	ug/L		96
89) trans-1,4-Dichloro-2-B...	11.066	53	4180	5.22	ug/L		81
91) 1,1,2,2-Tetrachloroethane	11.012	83	17992	5.02	ug/L		96
92) Bromobenzene	11.006	156	14489	4.78	ug/L	#	80
93) 1,2,3-Trichloropropane	11.042	110	4423	3.74	ug/L	#	80
94) n-Propylbenzene	11.115	91	63965	5.12	ug/L		91
95) 2-Chlorotoluene	11.176	91	37742	4.56	ug/L		96
96) 3-Chlorotoluene	11.225	91	41509	4.88	ug/L		99
97) 4-Chlorotoluene	11.268	91	47957	5.35	ug/L		94
98) 1,3,5-Trimethylbenzene	11.262	105	45603	5.03	ug/L		96
99) tert-Butylbenzene	11.536	119	35227	4.55	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	43919	4.72	ug/L		94
101) 3,4-Dichlorobenzotrifl...	11.640	214	11350	4.19	ug/L		88
102) sec-Butylbenzene	11.719	105	52990	4.69	ug/L		94
103) p-Isopropyltoluene	11.841	119	41464	4.50	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:17:59 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

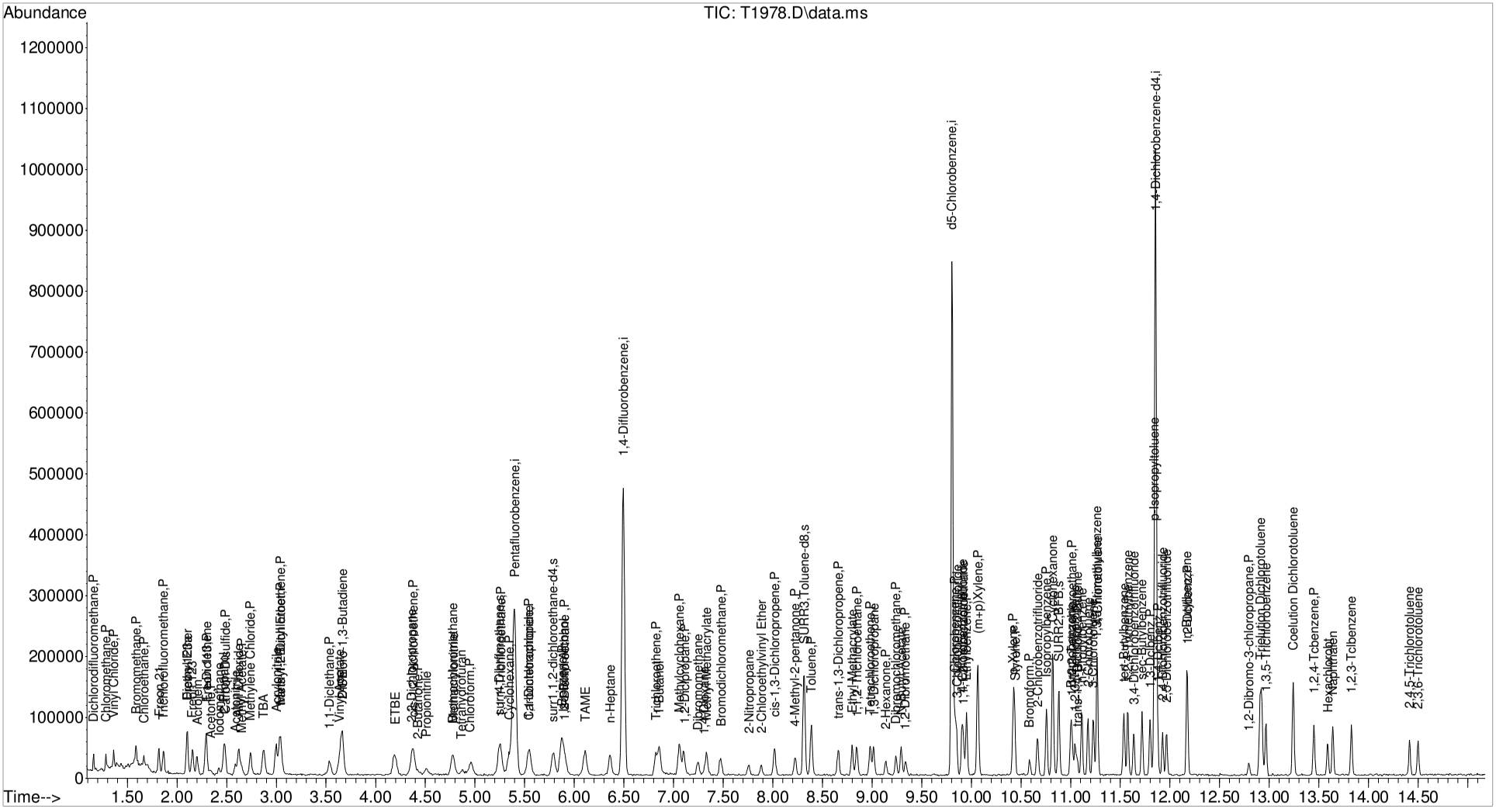
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.798	146	28519	5.33	ug/L		89
105) 1,4-Dclbenz	11.877	146	26132	4.61	ug/L		99
106) 2,4-Dichlorobenzotrifl...	11.926	214	10867	4.54	ug/L		86
107) 2,5-Dichlorobenzotrifl...	11.969	214	12569	4.63	ug/L		94
108) n-Butylbenzene	12.170	91	40336	4.82	ug/L		96
109) 1,2-Dclbenz	12.176	146	26718	5.00	ug/L		93
110) 1,2-Dibromo-3-chloropr...	12.792	157	4303	4.87	ug/L		87
111) Trielution Dichlorotol...	12.914	125	63992	13.73	ug/L		92
112) 1,3,5-Trichlorobenzene	12.969	180	18353	4.73	ug/L		83
113) Coelution Dichlorotoluene	13.243	125	47573	9.29	ug/L		97
114) 1,2,4-Tcbenzene	13.450	180	19198	5.24	ug/L		94
115) Hexachlorobt	13.590	225	7534	4.69	ug/L	#	79
116) Naphthalen	13.639	128	45687	4.61	ug/L		97
117) 1,2,3-Tclbenzene	13.828	180	15958	4.32	ug/L	#	77
118) 2,4,5-Trichlorotoluene	14.413	159	9009	3.82	ug/L		88
119) 2,3,6-Trichlorotoluene	14.499	159	9140m	4.26	ug/L		

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:17:59 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



1st FN 09/18/20
2nd 09/16/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1979.D
Acq On : 17 Sep 2020 2:14 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 15:18:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	261622	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	402210	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	365461	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	202008	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	44554	17.74	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 35.48%#				
46) surr1,1,2-dichloroetha...	5.793	65	55627	17.04	ug/L		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 34.08%#				
64) SURR3,Toluene-d8	8.317	98	174765	17.67	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 35.34%#				
69) SURR2,BFB	10.878	95	68525	17.33	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 34.66%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	62978	20.12	ug/L		92
3) Chloromethane	1.282	50	81790	30.19	ug/L		94
4) Vinyl Chloride	1.361	62	74764	28.72	ug/L		97
5) Bromomethane	1.593	94	46668	20.65	ug/L		89
6) Chloroethane	1.666	64	38371	27.14	ug/L		89
7) Freon 21	1.818	67	88313	20.01	ug/L		98
8) Trichlorofluoromethane	1.867	101	76199	20.57	ug/L		98
9) Diethyl Ether	2.099	59	51366	23.97	ug/L	#	79
10) Freon 123a	2.099	67	55760	18.63	ug/L		78
11) Freon 123	2.154	83	60489	17.83	ug/L		92
12) Acrolein	2.202	56	81558	143.48	ug/L		96
13) 1,1-Diclethene	2.288	96	37986	20.97	ug/L	#	77
14) Freon 113	2.294	101	46487	21.87	ug/L		93
15) Acetone	2.337	43	29283	29.90	ug/L		97
16) 2-Propanol	2.465	45	135866	635.10	ug/L		97
17) Iodomethane	2.422	142	70521	23.00	ug/L		91
18) Carbon Disulfide	2.483	76	158732	25.10	ug/L		99
19) Acetonitrile	2.587	41	61281	175.16	ug/L		99
20) Allyl Chloride	2.623	76	28954	22.47	ug/L	#	24
21) Methyl Acetate	2.647	43	68534	32.48	ug/L		86
22) Methylene Chloride	2.739	84	56270	21.59	ug/L	#	80
23) TBA	2.867	59	199912	491.66	ug/L		92
24) Acrylonitrile	2.995	53	157158	149.48	ug/L		97
25) Methyl-t-Butyl Ether	3.044	73	178456	22.03	ug/L		89
26) trans-1,2-Dichloroethene	3.038	96	44098	22.19	ug/L		88
27) 1,1-Diclethane	3.531	63	99659	24.60	ug/L		94
28) Vinyl Acetate	3.629	86	11611	26.72	ug/L	#	17
29) DIPE	3.659	45	184481	27.93	ug/L		91
30) 2-Chloro-1,3-Butadiene	3.659	53	90150	25.71	ug/L		79
31) ETBE	4.190	59	165600	23.65	ug/L		90
32) 2,2-Dichloropropane	4.373	77	76660	20.65	ug/L		97
33) cis-1,2-Dichloroethene	4.379	96	54387	21.15	ug/L		95
34) 2-Butanone	4.422	43	44017	31.28	ug/L		87
35) Propionitrile	4.507	54	65507	142.99	ug/L		88
36) Bromochloromethane	4.775	130	33537	20.22	ug/L		92
37) Methacrylonitrile	4.775	67	31880	24.48	ug/L		99
38) Tetrahydrofuran	4.867	42	28764	28.61	ug/L		88
39) Chloroform	4.958	83	92404	20.79	ug/L		89
40) 1,1,1-Trichloroethane	5.263	97	71723	18.00	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1979.D
Acq On : 17 Sep 2020 2:14 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 15:18:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	45543	21.57	ug/L		86
44) Carbontetrachloride	5.543	117	60751	19.83	ug/L		92
45) 1,1-Dichloropropene	5.555	75	67293	20.69	ug/L		94
47) Benzene	5.872	78	213114	21.90	ug/L		90
48) 1,2-Dichloroethane	5.909	62	74203	19.66	ug/L		96
49) Iso-Butyl Alcohol	5.885	43	90758	629.86	ug/L		96
50) TAME	6.110	73	156807	20.66	ug/L		91
51) n-Heptane	6.360	43	75159	30.54	ug/L		83
52) 1-Butanol	6.848	56	127445	1272.21	ug/L		82
53) Trichloroethene	6.817	130	47732	18.92	ug/L		95
54) Methylcyclohexane	7.061	55	58914	21.28	ug/L		82
55) 1,2-Diclpropane	7.098	63	60465	24.79	ug/L		97
56) Dibromomethane	7.244	93	36855	20.99	ug/L		97
57) 1,4-Dioxane	7.305	88	19240	380.42	ug/L		80
58) Methyl Methacrylate	7.336	69	51753	20.66	ug/L		83
59) Bromodichloromethane	7.476	83	71104	19.74	ug/L		98
60) 2-Nitropropane	7.756	41	38687	43.28	ug/L		88
61) 2-Chloroethylvinyl Ether	7.884	63	25605	22.04	ug/L		82
62) cis-1,3-Dichloropropene	8.018	75	88988	21.82	ug/L		95
63) 4-Methyl-2-pentanone	8.226	43	76067	27.70	ug/L		81
65) Toluene	8.390	91	224107	21.62	ug/L		92
66) trans-1,3-Dichloropropene	8.659	75	81911	20.52	ug/L		95
67) Ethyl Methacrylate	8.799	69	86173	20.55	ug/L		83
68) 1,1,2-Trichloroethane	8.847	97	51857	21.04	ug/L		91
71) Tetrachloroethene	8.976	164	37479	19.75	ug/L		91
72) 2-Hexanone	9.134	43	56255	27.59	ug/L		91
73) 1,3-Dichloropropane	9.012	76	86509	20.60	ug/L		84
74) Dibromochloromethane	9.238	129	55576	21.73	ug/L		94
75) N-Butyl Acetate	9.293	43	130192	29.67	ug/L		92
76) 1,2-Dibromoethane	9.341	107	53168	20.69	ug/L		99
77) 3-Chlorobenzotrifluoride	9.853	180	63566	18.38	ug/L		93
78) Chlorobenzene	9.835	112	137017	21.19	ug/L		95
79) 4-Chlorobenzotrifluoride	9.908	180	54360	18.39	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.920	131	52889	22.39	ug/L		88
81) Ethylbenzene	9.951	106	71201	20.29	ug/L	#	90
82) (m+p)Xylene	10.067	106	185133	43.25	ug/L		97
83) o-Xylene	10.420	106	90004	20.13	ug/L		93
84) Styrene	10.439	104	153812	20.51	ug/L		94
85) Bromoform	10.591	173	41043	23.92	ug/L		87
86) 2-Chlorobenzotrifluoride	10.664	180	62489	18.19	ug/L		98
87) Isopropylbenzene	10.756	105	221911	20.41	ug/L		98
88) Cyclohexanone	10.817	55	274432	569.97	ug/L		95
89) trans-1,4-Dichloro-2-B...	11.067	53	18395	22.31	ug/L		80
91) 1,1,2,2-Tetrachloroethane	11.018	83	77840	20.24	ug/L		94
92) Bromobenzene	11.006	156	58122	17.86	ug/L		93
93) 1,2,3-Trichloropropane	11.048	110	22629	17.81	ug/L		91
94) n-Propylbenzene	11.115	91	280356	20.90	ug/L		98
95) 2-Chlorotoluene	11.176	91	174333	19.64	ug/L		100
96) 3-Chlorotoluene	11.231	91	157552	17.26	ug/L		93
97) 4-Chlorotoluene	11.268	91	191912	19.94	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	191377	19.68	ug/L		97
99) tert-Butylbenzene	11.536	119	160054	19.26	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	196060	19.65	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.640	214	47399	16.29	ug/L		92
102) sec-Butylbenzene	11.719	105	236171	19.47	ug/L		97
103) p-Isopropyltoluene	11.841	119	194834	19.68	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1979.D
Acq On : 17 Sep 2020 2:14 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 15:18:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

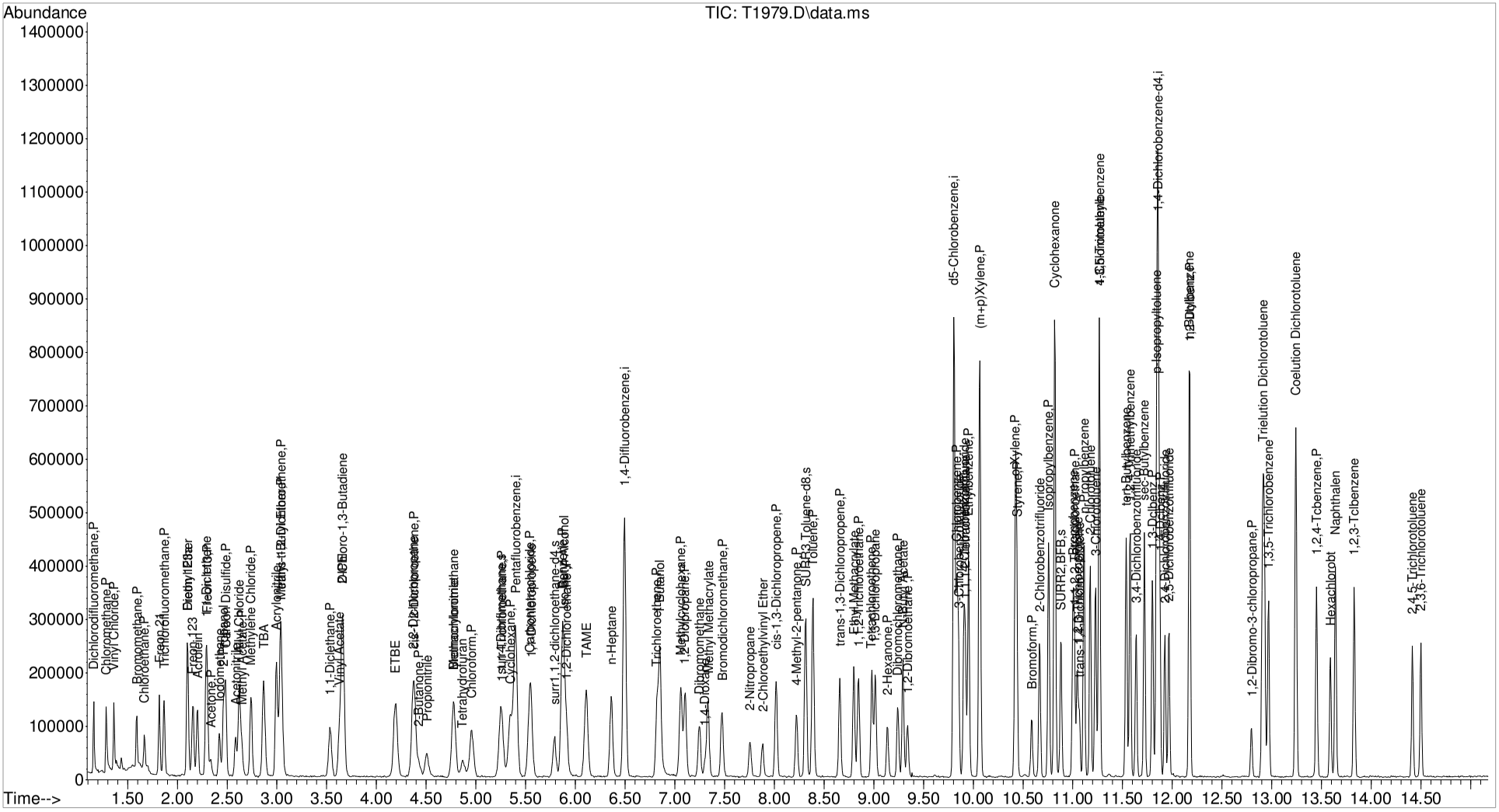
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	112758	19.65	ug/L	98
105) 1,4-Dclbenz	11.877	146	114319	18.79	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	46590	18.14	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	53115	18.23	ug/L	92
108) n-Butylbenzene	12.170	91	177775	19.78	ug/L	94
109) 1,2-Dclbenz	12.176	146	118439	20.67	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.798	157	20248	21.37	ug/L	94
111) Trielution Dichlorotol...	12.914	125	268797	53.74	ug/L	97
112) 1,3,5-Trichlorobenzene	12.969	180	73603	17.69	ug/L	89
113) Coelution Dichlorotoluene	13.243	125	206774	37.64	ug/L	94
114) 1,2,4-Tcbenzene	13.450	180	79608	20.25	ug/L	89
115) Hexachlorobt	13.590	225	30653	17.79	ug/L	97
116) Naphthalen	13.639	128	224979	21.16	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	76266	19.25	ug/L	90
118) 2,4,5-Trichlorotoluene	14.413	159	46114	18.22	ug/L	96
119) 2,3,6-Trichlorotoluene	14.499	159	42539	18.46	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1979.D
Acq On : 17 Sep 2020 2:14 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 15:18:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



1st FJ 09/18/20
2nd 09/19/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1980.D
Acq On : 17 Sep 2020 2:36 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 15:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	284959	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	444744	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	408616	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	238647	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	132554	47.74	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 95.48%				
46) surr1,1,2-dichloroetha...	5.787	65	158785	44.00	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 88.00%				
64) SURR3,Toluene-d8	8.311	98	525044	48.00	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.00%				
69) SURR2,BFB	10.878	95	211321	48.34	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	166815	48.93	ug/L		96
3) Chloromethane	1.282	50	209292	70.92	ug/L		96
4) Vinyl Chloride	1.361	62	186304	65.70	ug/L		98
5) Bromomethane	1.587	94	113913	46.27	ug/L		99
6) Chloroethane	1.666	64	88501	57.47	ug/L		92
7) Freon 21	1.818	67	242789	50.51	ug/L		99
8) Trichlorofluoromethane	1.861	101	205892	51.03	ug/L		98
9) Diethyl Ether	2.099	59	127167	54.47	ug/L	#	85
10) Freon 123a	2.105	67	147655	45.30	ug/L		89
11) Freon 123	2.154	83	167207	45.25	ug/L		96
12) Acrolein	2.203	56	200321	323.54	ug/L		97
13) 1,1-Diclethene	2.288	96	98753	50.06	ug/L	#	76
14) Freon 113	2.294	101	122605	52.96	ug/L		93
15) Acetone	2.331	43	66567	62.41	ug/L		95
16) 2-Propanol	2.465	45	317016	1360.52	ug/L		99
17) Iodomethane	2.422	142	199374	59.69	ug/L		94
18) Carbon Disulfide	2.483	76	412882	59.95	ug/L		99
19) Acetonitrile	2.587	41	139734	366.70	ug/L		98
20) Allyl Chloride	2.623	76	75257	53.63	ug/L	#	66
21) Methyl Acetate	2.648	43	161625	70.33	ug/L		87
22) Methylene Chloride	2.739	84	142676	50.26	ug/L	#	75
23) TBA	2.867	59	466032	1052.28	ug/L		95
24) Acrylonitrile	2.995	53	373586	326.24	ug/L		92
25) Methyl-t-Butyl Ether	3.044	73	438189	49.66	ug/L		91
26) trans-1,2-Dichloroethene	3.038	96	117574	54.31	ug/L	#	85
27) 1,1-Diclethane	3.538	63	252256	57.17	ug/L		95
28) Vinyl Acetate	3.629	86	24557	51.88	ug/L	#	1
29) DIPE	3.660	45	460765	64.04	ug/L		92
30) 2-Chloro-1,3-Butadiene	3.660	53	225863	59.14	ug/L		87
31) ETBE	4.196	59	427838	56.11	ug/L		92
32) 2,2-Dichloropropane	4.367	77	195143	48.26	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	146101	52.17	ug/L		96
34) 2-Butanone	4.422	43	97722	63.77	ug/L		83
35) Propionitrile	4.501	54	152514	305.65	ug/L		94
36) Bromochloromethane	4.781	130	92068	50.95	ug/L		93
37) Methacrylonitrile	4.781	67	72936	51.43	ug/L	#	51
38) Tetrahydrofuran	4.861	42	69731	63.67	ug/L		88
39) Chloroform	4.952	83	234234	48.37	ug/L		92
40) 1,1,1-Trichloroethane	5.251	97	203361	46.85	ug/L		94

1st FNJ 09/18/20
2nd MR 09/19/20

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1980.D
Acq On : 17 Sep 2020 2:36 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 15:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	129555	55.48	ug/L		84
44) Carbontetrachloride	5.537	117	173448	51.19	ug/L		98
45) 1,1-Dichloropropene	5.549	75	178209	49.56	ug/L		97
47) Benzene	5.873	78	551244	51.22	ug/L		94
48) 1,2-Dichloroethane	5.909	62	188988	45.29	ug/L		93
49) Iso-Butyl Alcohol	5.885	43	216550	1359.13	ug/L		92
50) TAME	6.110	73	396186	47.20	ug/L		90
51) n-Heptane	6.360	43	196435	72.18	ug/L	#	84
52) 1-Butanol	6.854	56	324181	2926.63	ug/L		86
53) Trichloroethene	6.817	130	137970	49.45	ug/L		89
54) Methylcyclohexane	7.061	55	157887	51.57	ug/L	#	82
55) 1,2-Diclpropane	7.104	63	149676	55.49	ug/L		99
56) Dibromomethane	7.244	93	96797	49.86	ug/L		93
57) 1,4-Dioxane	7.299	88	51566	922.08	ug/L		90
58) Methyl Methacrylate	7.336	69	120512	43.51	ug/L		86
59) Bromodichloromethane	7.470	83	185834	46.66	ug/L		98
60) 2-Nitropropane	7.756	41	97752	98.89	ug/L		92
61) 2-Chloroethylvinyl Ether	7.878	63	64752	50.41	ug/L		81
62) cis-1,3-Dichloropropene	8.018	75	227280	50.40	ug/L		98
63) 4-Methyl-2-pentanone	8.226	43	188923	62.21	ug/L		90
65) Toluene	8.390	91	586035	51.13	ug/L		97
66) trans-1,3-Dichloropropene	8.659	75	206583	46.81	ug/L		97
67) Ethyl Methacrylate	8.799	69	220746	47.61	ug/L		77
68) 1,1,2-Trichloroethane	8.848	97	134022	49.18	ug/L		99
71) Tetrachloroethene	8.982	164	105485	49.71	ug/L		95
72) 2-Hexanone	9.134	43	141030	61.86	ug/L		81
73) 1,3-Dichloropropane	9.018	76	219895	46.83	ug/L		88
74) Dibromochloromethane	9.244	129	155383	54.34	ug/L		96
75) N-Butyl Acetate	9.293	43	313687	63.93	ug/L		91
76) 1,2-Dibromoethane	9.335	107	146471	50.97	ug/L		93
77) 3-Chlorobenzotrifluoride	9.853	180	183354	47.42	ug/L		97
78) Chlorobenzene	9.835	112	369162	51.07	ug/L		92
79) 4-Chlorobenzotrifluoride	9.908	180	162871	49.28	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.921	131	138623	52.48	ug/L		95
81) Ethylbenzene	9.951	106	203396	51.84	ug/L		94
82) (m+p)Xylene	10.067	106	502921	105.09	ug/L		98
83) o-Xylene	10.420	106	249496	49.91	ug/L		96
84) Styrene	10.439	104	425863	50.80	ug/L		95
85) Bromoform	10.585	173	107115	55.84	ug/L		97
86) 2-Chlorobenzotrifluoride	10.664	180	189585	49.35	ug/L		96
87) Isopropylbenzene	10.756	105	641720	52.78	ug/L		97
88) Cyclohexanone	10.817	55	653150	1213.27	ug/L		97
89) trans-1,4-Dichloro-2-B...	11.067	53	43509	47.20	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.018	83	204725	45.07	ug/L		95
92) Bromobenzene	11.006	156	178448	46.43	ug/L	#	81
93) 1,2,3-Trichloropropane	11.042	110	59524	39.65	ug/L		97
94) n-Propylbenzene	11.115	91	764605	48.25	ug/L		98
95) 2-Chlorotoluene	11.176	91	471547	44.97	ug/L		95
96) 3-Chlorotoluene	11.231	91	458483	42.53	ug/L		93
97) 4-Chlorotoluene	11.268	91	524848	46.17	ug/L		99
98) 1,3,5-Trimethylbenzene	11.268	105	550279	47.90	ug/L		97
99) tert-Butylbenzene	11.536	119	469492	47.81	ug/L		99
100) 1,2,4-Trimethylbenzene	11.579	105	565556	47.97	ug/L		100
101) 3,4-Dichlorobenzotrifl...	11.640	214	162081	47.15	ug/L		93
102) sec-Butylbenzene	11.719	105	707385	49.36	ug/L		99
103) p-Isopropyltoluene	11.841	119	589113	50.38	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1980.D
Acq On : 17 Sep 2020 2:36 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 15:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

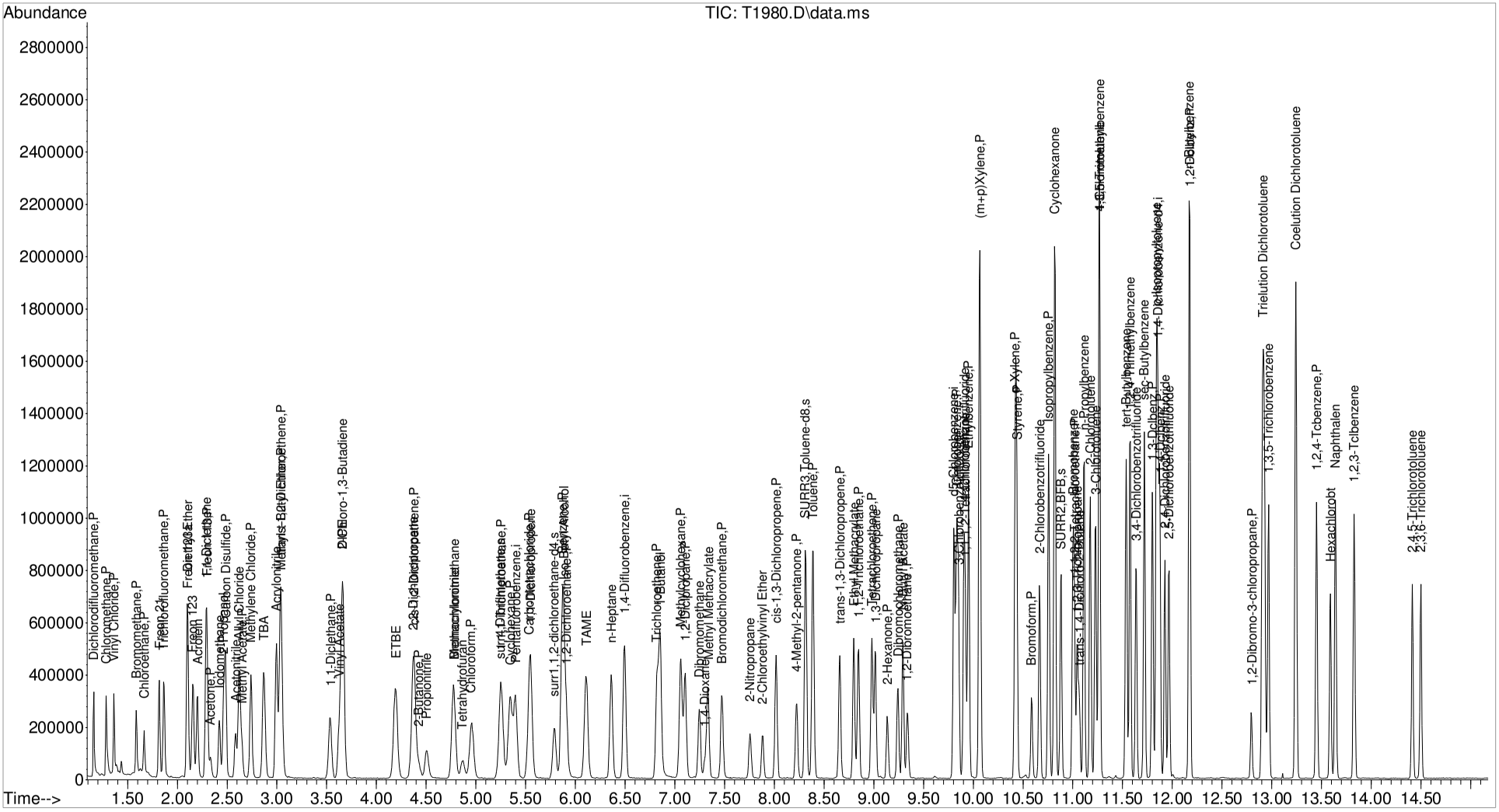
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	342128	50.48	ug/L	97
105) 1,4-Dclbenz	11.877	146	351987	48.98	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	148185	48.84	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.969	214	162024	47.07	ug/L	98
108) n-Butylbenzene	12.170	91	523722	49.34	ug/L	97
109) 1,2-Dclbenz	12.176	146	342807	50.64	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	54088	48.31	ug/L	92
111) Trielution Dichlorotol...	12.914	125	818278	138.49	ug/L	95
112) 1,3,5-Trichlorobenzene	12.969	180	233110	47.41	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	600938	92.59	ug/L	96
114) 1,2,4-Tcbenzene	13.450	180	244735	52.70	ug/L	97
115) Hexachlorobt	13.591	225	100619	49.43	ug/L	96
116) Naphthalen	13.639	128	634415	50.51	ug/L	97
117) 1,2,3-Tclbenzene	13.828	180	236631	50.56	ug/L	95
118) 2,4,5-Trichlorotoluene	14.414	159	147655	49.39	ug/L	98
119) 2,3,6-Trichlorotoluene	14.499	159	138823	51.00	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1980.D
Acq On : 17 Sep 2020 2:36 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 15:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

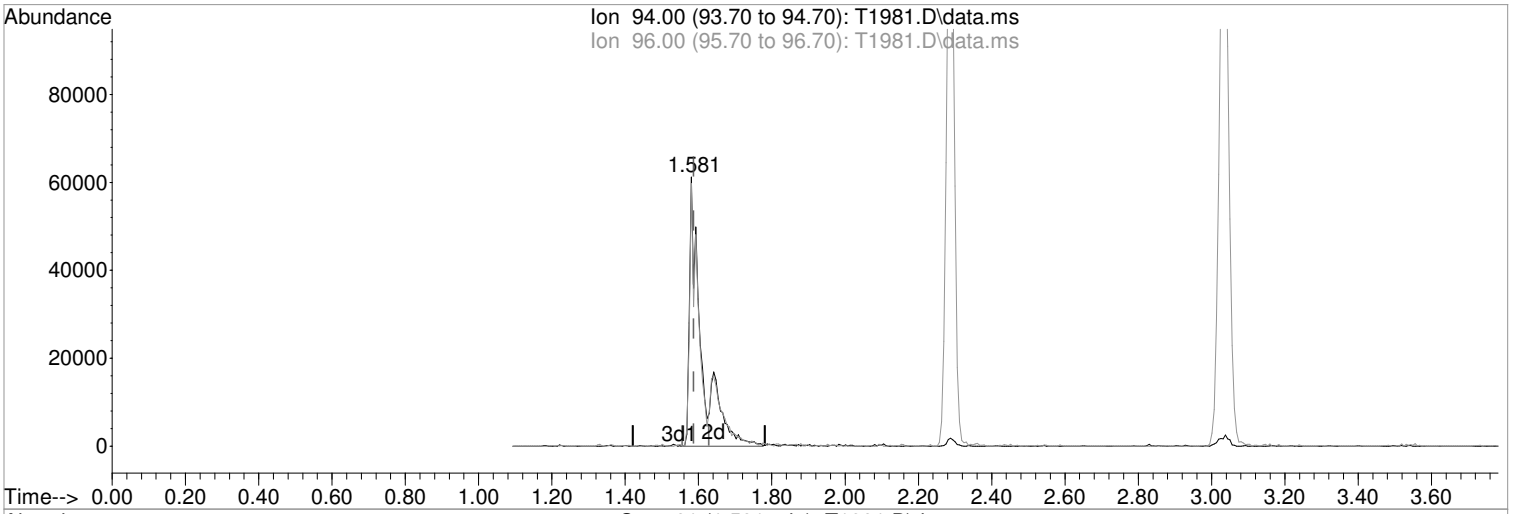


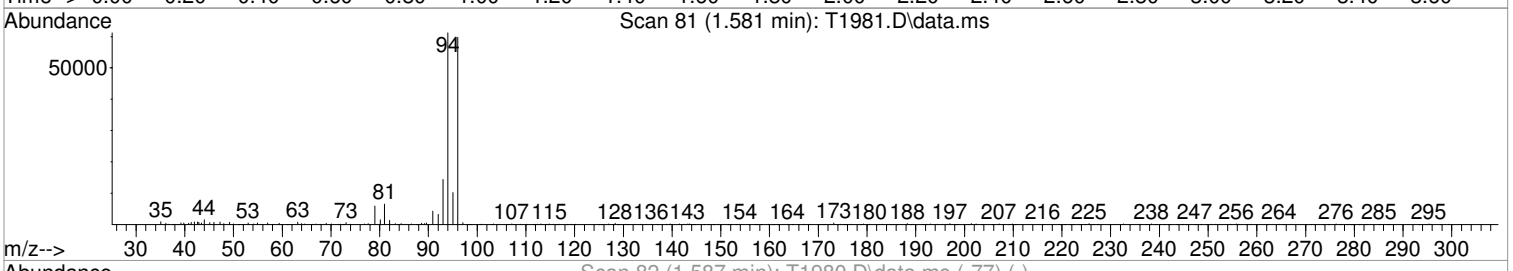
1st FN 09/18/20
2nd 09/19/20

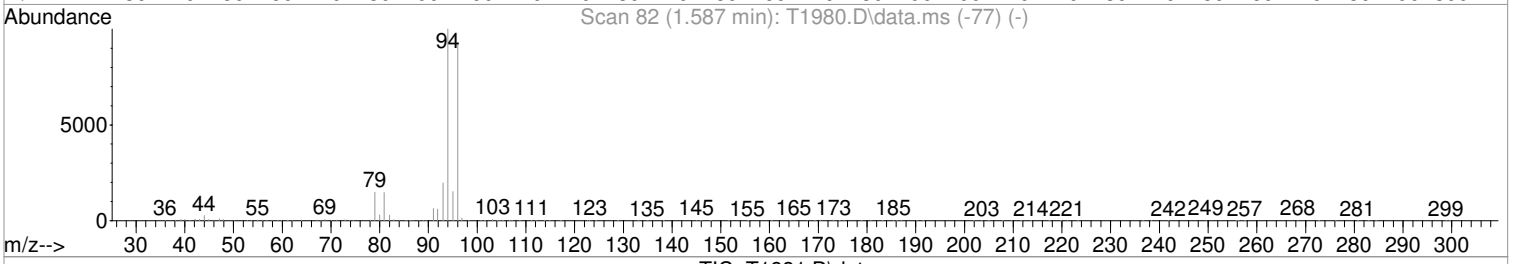
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:22:08 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration







TIC: T1981.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 37.93 ug/L m

response 139949

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	97.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

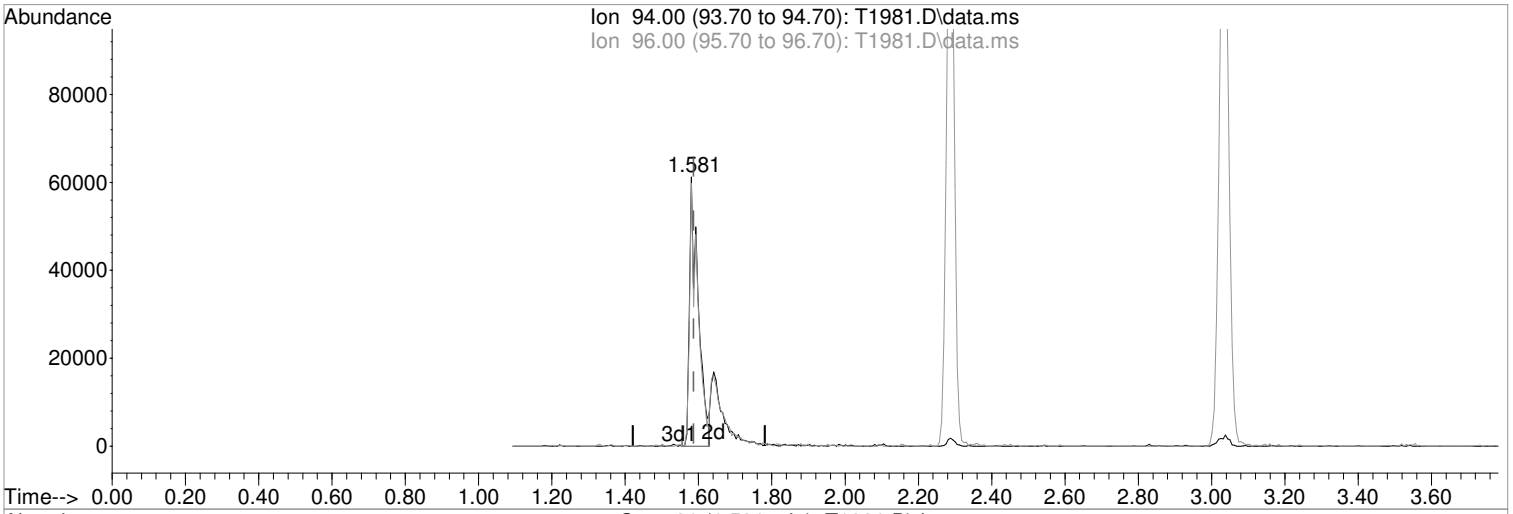
Poor integration.

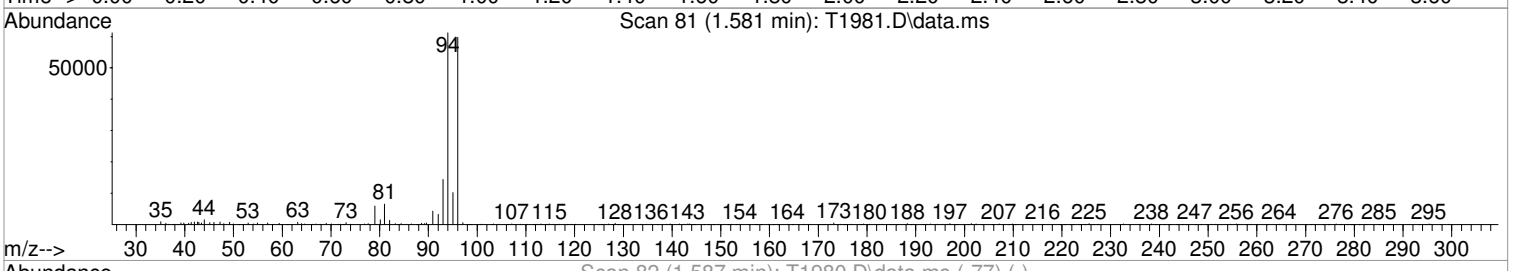
09/17/20

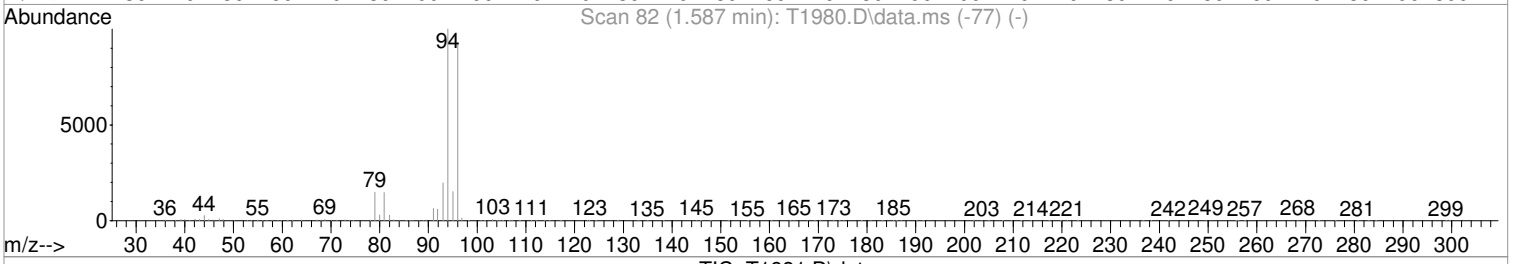
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:22:08 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration







TIC: T1981.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 27.37 ug/L

response 100993

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	97.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:24:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	315859	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	483135	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	448792	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	269669	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	295142	100.16	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 200.32%#				
46) surr1,1,2-dichloroetha...	5.787	65	337795	93.93	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 187.86%#				
64) SURR3,Toluene-d8	8.317	98	1115285	96.65	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 193.30%#				
69) SURR2,BFB	10.884	95	447565	100.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 201.30%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	317601	96.06	ug/L		96
3) Chloromethane	1.282	50	398927	80.50	ug/L		97
4) Vinyl Chloride	1.361	62	345577	84.17	ug/L		97
5) Bromomethane	1.581	94	139949m	37.93	ug/L		
6) Chloroethane	1.660	64	273256	122.20	ug/L		97
7) Freon 21	1.812	67	568637	93.02	ug/L		98
8) Trichlorofluoromethane	1.861	101	387959	82.78	ug/L		99
9) Diethyl Ether	2.099	59	269162	83.15	ug/L		88
10) Freon 123a	2.099	67	359393	88.06	ug/L		99
11) Freon 123	2.154	83	403862	95.25	ug/L		97
12) Acrolein	2.196	56	414307	418.78	ug/L		99
13) 1,1-Diclethene	2.288	96	200269	84.79	ug/L		94
14) Freon 113	2.294	101	227463	77.98	ug/L		98
15) Acetone	2.337	43	138920	85.53	ug/L		89
16) 2-Propanol	2.471	45	698799	1787.20	ug/L		97
17) Iodomethane	2.422	142	468107	144.61	ug/L		97
18) Carbon Disulfide	2.483	76	868717	95.93	ug/L		100
19) Acetonitrile	2.586	41	299484	405.24	ug/L		99
20) Allyl Chloride	2.617	76	143761	76.41	ug/L		92
21) Methyl Acetate	2.647	43	347546	78.81	ug/L		98
22) Methylene Chloride	2.739	84	295480	81.75	ug/L		90
23) TBA	2.873	59	1054086	1844.85	ug/L		99
24) Acrylonitrile	2.995	53	792223	461.46	ug/L		97
25) Methyl-t-Butyl Ether	3.044	73	904065	89.65	ug/L		97
26) trans-1,2-Dichloroethene	3.031	96	235342	85.49	ug/L		97
27) 1,1-Diclethane	3.531	63	491875	85.88	ug/L		99
28) Vinyl Acetate	3.629	86	52325	84.49	ug/L	#	89
29) DIPE	3.659	45	959096	81.60	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.659	53	463098	82.48	ug/L		97
31) ETBE	4.190	59	871191	89.96	ug/L		97
32) 2,2-Dichloropropane	4.373	77	367900	78.98	ug/L		98
33) cis-1,2-Dichloroethene	4.379	96	297398	90.02	ug/L		91
34) 2-Butanone	4.421	43	208944	83.16	ug/L		93
35) Propionitrile	4.507	54	321818	437.44	ug/L		97
36) Bromochloromethane	4.775	130	197915	92.82	ug/L	#	79
37) Methacrylonitrile	4.775	67	160835	78.00	ug/L	#	82
38) Tetrahydrofuran	4.860	42	141673	73.08	ug/L		93
39) Chloroform	4.958	83	472321	84.02	ug/L		91
40) 1,1,1-Trichloroethane	5.251	97	384691	81.92	ug/L		95

1st FNJ 09/18/20
2nd WR 09/19/20

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:24:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	304409	86.40	ug/L		93
44) Carbontetrachloride	5.543	117	323652	93.34	ug/L		94
45) 1,1-Dichloropropene	5.549	75	331121	82.36	ug/L		91
47) Benzene	5.866	78	1063267	87.07	ug/L		98
48) 1,2-Dichloroethane	5.909	62	377447	85.16	ug/L		99
49) Iso-Butyl Alcohol	5.891	43	482870	1861.80	ug/L		89
50) TAME	6.110	73	844556	91.76	ug/L		96
51) n-Heptane	6.360	43	295639	66.70	ug/L		98
52) 1-Butanol	6.854	56	698846	4910.07	ug/L		99
53) Trichloroethene	6.817	130	277938	96.86	ug/L		97
54) Methylcyclohexane	7.061	55	382384	88.32	ug/L		96
55) 1,2-Diclpropane	7.104	63	291145	80.74	ug/L		100
56) Dibromomethane	7.244	93	203924	87.92	ug/L		92
57) 1,4-Dioxane	7.305	88	110886	1922.25	ug/L		99
58) Methyl Methacrylate	7.336	69	255479	79.49	ug/L		94
59) Bromodichloromethane	7.470	83	383792	88.63	ug/L		96
60) 2-Nitropropane	7.756	41	210690	148.86	ug/L		92
61) 2-Chloroethylvinyl Ether	7.884	63	152206	100.45	ug/L		94
62) cis-1,3-Dichloropropene	8.018	75	460608	93.18	ug/L		97
63) 4-Methyl-2-pentanone	8.226	43	415964	87.46	ug/L		98
65) Toluene	8.390	91	1110756	84.62	ug/L		98
66) trans-1,3-Dichloropropene	8.658	75	440245	93.33	ug/L		96
67) Ethyl Methacrylate	8.799	69	461048	88.07	ug/L		99
68) 1,1,2-Trichloroethane	8.847	97	284651	92.58	ug/L		95
71) Tetrachloroethene	8.982	164	209197	88.13	ug/L		98
72) 2-Hexanone	9.134	43	299121	88.21	ug/L		87
73) 1,3-Dichloropropane	9.012	76	457008	87.86	ug/L		95
74) Dibromochloromethane	9.244	129	329043	103.52	ug/L		95
75) N-Butyl Acetate	9.292	43	663214	89.14	ug/L		97
76) 1,2-Dibromoethane	9.341	107	310446	92.35	ug/L		96
77) 3-Chlorobenzotrifluoride	9.853	180	433118	105.24	ug/L		97
78) Chlorobenzene	9.835	112	748895	89.98	ug/L		98
79) 4-Chlorobenzotrifluoride	9.908	180	382133	111.31	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.920	131	287131	99.72	ug/L		94
81) Ethylbenzene	9.951	106	371783	86.77	ug/L		99
82) (m+p)Xylene	10.067	106	911596	176.34	ug/L		99
83) o-Xylene	10.420	106	473575	88.37	ug/L		96
84) Styrene	10.439	104	831720	95.22	ug/L		98
85) Bromoform	10.585	173	265720	111.91	ug/L		100
86) 2-Chlorobenzotrifluoride	10.670	180	449092	119.00	ug/L		97
87) Isopropylbenzene	10.756	105	1134354	88.53	ug/L		99
88) Cyclohexanone	10.823	55	1367406	1752.47	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.067	53	99856	83.04	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.018	83	438591	85.09	ug/L		95
92) Bromobenzene	11.006	156	383192	90.47	ug/L		96
93) 1,2,3-Trichloropropane	11.048	110	127287	91.92	ug/L	#	88
94) n-Propylbenzene	11.115	91	1351969	75.11	ug/L		99
95) 2-Chlorotoluene	11.176	91	875047	74.91	ug/L		98
96) 3-Chlorotoluene	11.231	91	963410	80.27	ug/L		97
97) 4-Chlorotoluene	11.268	91	979094	75.20	ug/L		96
98) 1,3,5-Trimethylbenzene	11.268	105	981471	79.26	ug/L		99
99) tert-Butylbenzene	11.536	119	819946	76.59	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	1034135	84.76	ug/L		96
101) 3,4-Dichlorobenzotrifl...	11.640	214	403264	103.27	ug/L		96
102) sec-Butylbenzene	11.719	105	1194606	76.80	ug/L		99
103) p-Isopropyltoluene	11.841	119	1048391	83.39	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:24:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration

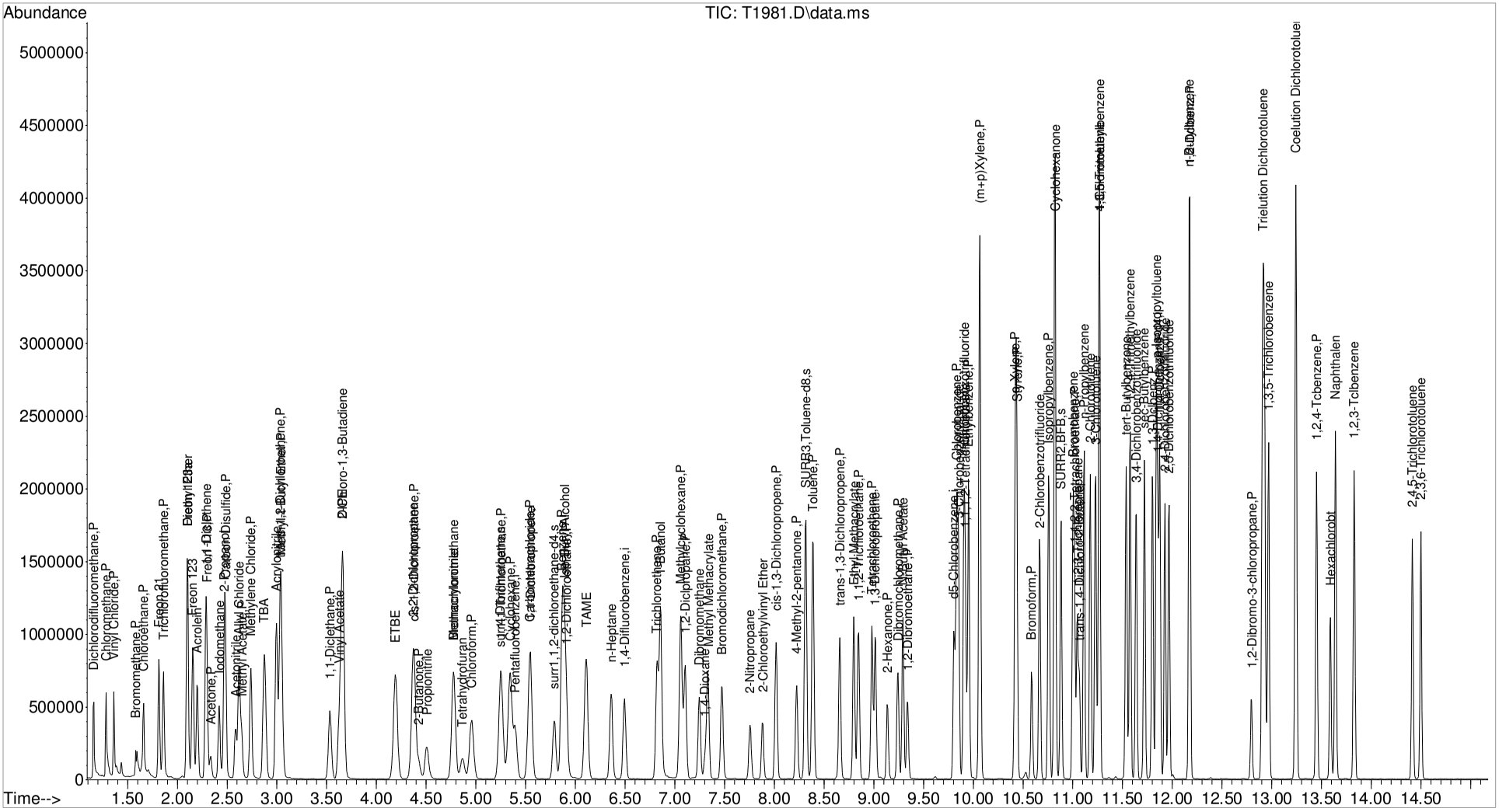
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	692620	90.70	ug/L	99
105) 1,4-Dclbenz	11.871	146	706064	85.72	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	372199	115.94	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.969	214	409559	105.65	ug/L	98
108) n-Butylbenzene	12.170	91	888782	73.43	ug/L	99
109) 1,2-Dclbenz	12.176	146	706110	93.62	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	123492	99.59	ug/L	99
111) Trielution Dichlorotol...	12.914	125	1781203	292.10	ug/L	98
112) 1,3,5-Trichlorobenzene	12.969	180	547473	104.84	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	1289010	187.82	ug/L	99
114) 1,2,4-Tcbenzene	13.450	180	503542	97.51	ug/L	96
115) Hexachlorobt	13.590	225	167234	72.41	ug/L	93
116) Naphthalen	13.639	128	1396276	109.76	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	509850	107.07	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	351003	133.63	ug/L	99
119) 2,3,6-Trichlorotoluene	14.499	159	310919	123.52	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:24:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration

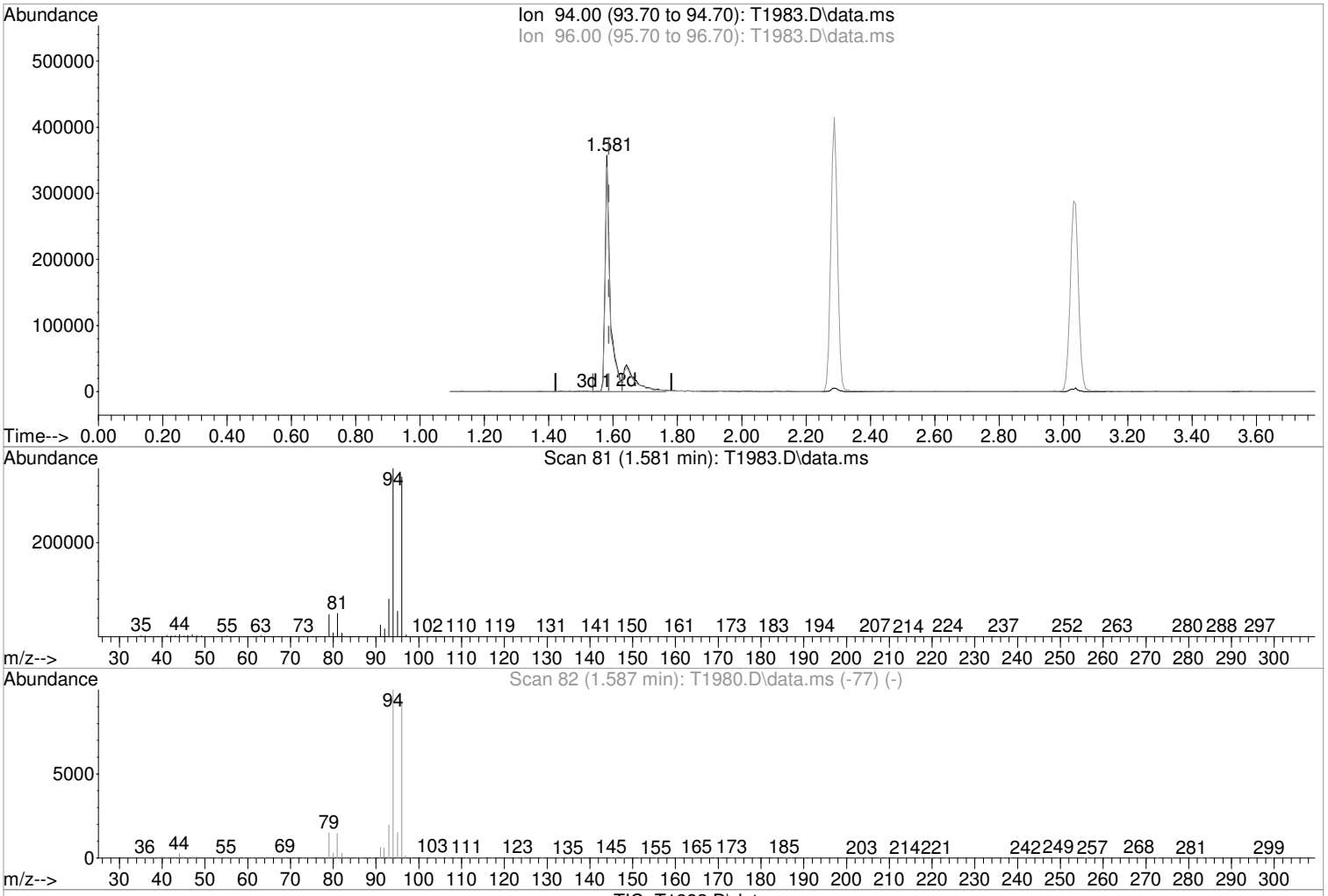


1st FJ 09/18/20
2nd 09/19/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 15:57:14 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration



TIC: T1983.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 148.17 ug/L m

response 493956

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	94.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

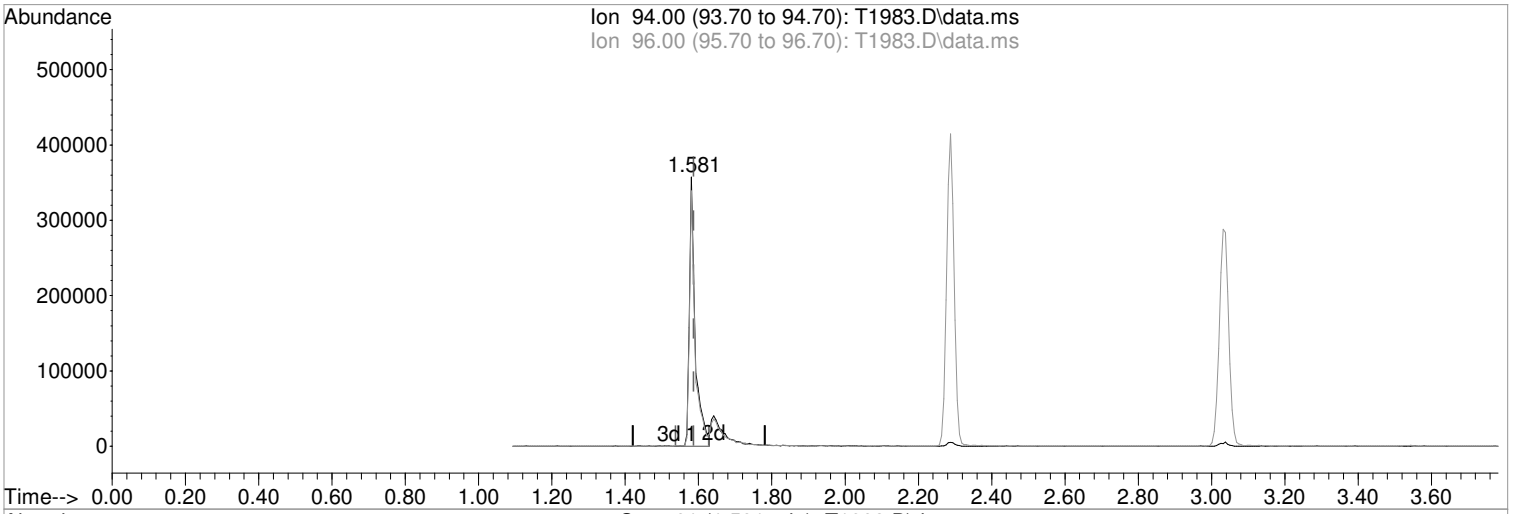
Poor integration.

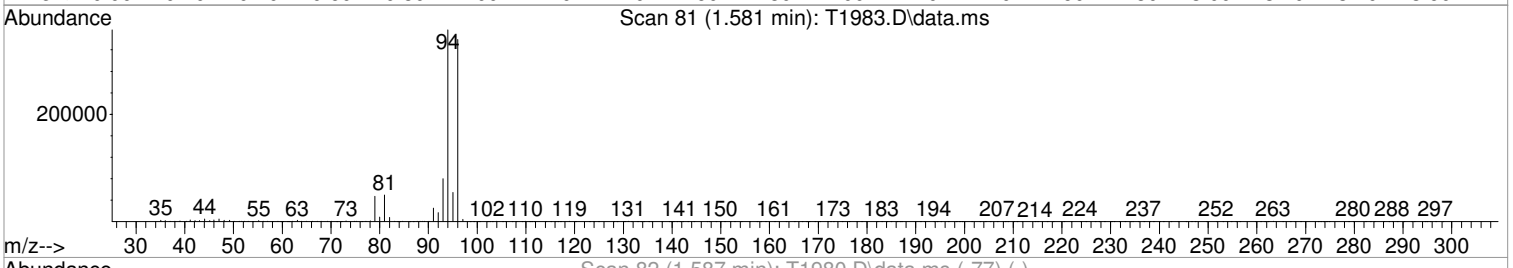
09/18/20

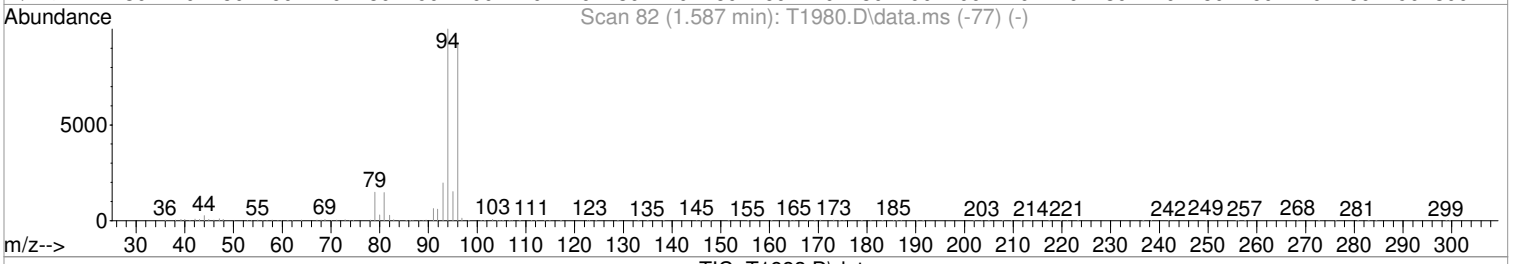
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 15:57:14 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration







TIC: T1983.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 118.72 ug/L

response 395773

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	94.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 09:37:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	347018	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	503149	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	468417	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	282604	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	161827	52.93	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 105.86%				
46) surr1,1,2-dichloroetha...	5.787	65	174560	48.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.32%				
64) SURR3,Toluene-d8	8.317	98	601161	51.21	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.42%				
69) SURR2,BFB	10.884	95	238013	51.33	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.66%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	784189	223.74	ug/L		96
3) Chloromethane	1.282	50	851041	169.70	ug/L		99
4) Vinyl Chloride	1.361	62	763175	181.77	ug/L		98
5) Bromomethane	1.581	94	493956m	148.17	ug/L		
6) Chloroethane	1.660	64	591479	240.23	ug/L		95
7) Freon 21	1.812	67	1413840	215.74	ug/L		96
8) Trichlorofluoromethane	1.861	101	1157099	234.99	ug/L		97
9) Diethyl Ether	2.099	59	709472	209.88	ug/L		91
10) Freon 123a	2.099	67	874660	202.39	ug/L		89
11) Freon 123	2.154	83	1017896	222.54	ug/L		98
12) Acrolein	2.202	56	1148225	1101.69	ug/L		99
13) 1,1-Diclethene	2.288	96	592857	238.63	ug/L	#	87
14) Freon 113	2.294	101	713761	234.63	ug/L		91
15) Acetone	2.337	43	379104	225.86	ug/L		94
16) 2-Propanol	2.477	45	1553791	3713.49	ug/L		100
17) Iodomethane	2.416	142	1126718	281.17	ug/L		94
18) Carbon Disulfide	2.483	76	1684327	173.88	ug/L		100
19) Acetonitrile	2.587	41	675072	875.62	ug/L		94
20) Allyl Chloride	2.623	76	321904	166.28	ug/L		95
21) Methyl Acetate	2.648	43	727617	161.96	ug/L		98
22) Methylene Chloride	2.739	84	634449	168.67	ug/L		89
23) TBA	2.879	59	2252108	3663.23	ug/L		99
24) Acrylonitrile	2.995	53	1688871	911.89	ug/L		96
25) Methyl-t-Butyl Ether	3.044	73	1887727	175.61	ug/L		99
26) trans-1,2-Dichloroethene	3.032	96	515883	178.03	ug/L		95
27) 1,1-Diclethane	3.531	63	1053120	174.26	ug/L		96
28) Vinyl Acetate	3.629	86	119566	180.84	ug/L	#	85
29) DIPE	3.660	45	1946313	158.23	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.660	53	868290	149.04	ug/L		97
31) ETBE	4.190	59	1791020	173.62	ug/L		98
32) 2,2-Dichloropropane	4.367	77	835215	172.04	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	614189	175.53	ug/L		91
34) 2-Butanone	4.422	43	451044	174.69	ug/L		89
35) Propionitrile	4.513	54	688844	878.33	ug/L		96
36) Bromochloromethane	4.775	130	436540	190.24	ug/L		94
37) Methacrylonitrile	4.781	67	340273	160.71	ug/L		90
38) Tetrahydrofuran	4.860	42	303020	155.82	ug/L		99
39) Chloroform	4.952	83	992441	169.04	ug/L		96
40) 1,1,1-Trichloroethane	5.257	97	873562	178.15	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 09:37:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	582997	165.43	ug/L		96
44) Carbontetrachloride	5.537	117	786167	220.06	ug/L		97
45) 1,1-Dichloropropene	5.549	75	735695	183.57	ug/L		95
47) Benzene	5.866	78	2213991	181.07	ug/L		98
48) 1,2-Dichloroethane	5.909	62	770395	173.27	ug/L		97
49) Iso-Butyl Alcohol	5.891	43	1023315	3820.81	ug/L		89
50) TAME	6.110	73	1704619	182.24	ug/L		95
51) n-Heptane	6.360	43	791787	184.43	ug/L		98
52) 1-Butanol	6.860	56	1490260	9984.05	ug/L		98
53) Trichloroethene	6.817	130	626740	212.43	ug/L		93
54) Methylcyclohexane	7.055	55	726931	167.26	ug/L		95
55) 1,2-Diclpropane	7.104	63	604193	169.10	ug/L		99
56) Dibromomethane	7.244	93	421155	180.44	ug/L		96
57) 1,4-Dioxane	7.305	88	247590	4104.11	ug/L		99
58) Methyl Methacrylate	7.336	69	536471	168.63	ug/L		90
59) Bromodichloromethane	7.476	83	803543	184.14	ug/L		94
60) 2-Nitropropane	7.756	41	467920	339.77	ug/L		97
61) 2-Chloroethylvinyl Ether	7.878	63	330762	207.52	ug/L		94
62) cis-1,3-Dichloropropene	8.018	75	946267	187.24	ug/L		96
63) 4-Methyl-2-pentanone	8.226	43	860132	180.89	ug/L		96
65) Toluene	8.390	91	2391878	182.03	ug/L		95
66) trans-1,3-Dichloropropene	8.659	75	900956	186.61	ug/L		97
67) Ethyl Methacrylate	8.799	69	947438	179.27	ug/L		98
68) 1,1,2-Trichloroethane	8.848	97	592764	189.53	ug/L		96
71) Tetrachloroethene	8.982	164	508992	211.12	ug/L		97
72) 2-Hexanone	9.134	43	639102	187.09	ug/L		93
73) 1,3-Dichloropropane	9.018	76	925139	176.29	ug/L		99
74) Dibromochloromethane	9.244	129	722222	216.15	ug/L		96
75) N-Butyl Acetate	9.293	43	1353874	179.61	ug/L		99
76) 1,2-Dibromoethane	9.335	107	652234	190.50	ug/L		94
77) 3-Chlorobenzotrifluoride	9.853	180	977064	224.11	ug/L		96
78) Chlorobenzene	9.835	112	1613315	190.63	ug/L		97
79) 4-Chlorobenzotrifluoride	9.908	180	867349	234.42	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.920	131	631340	209.81	ug/L		97
81) Ethylbenzene	9.957	106	841133	193.76	ug/L	#	89
82) (m+p)Xylene	10.067	106	2019906	384.40	ug/L		95
83) o-Xylene	10.426	106	1038426	191.06	ug/L		88
84) Styrene	10.439	104	1759446	195.51	ug/L		98
85) Bromoform	10.585	173	615191	238.48	ug/L		93
86) 2-Chlorobenzotrifluoride	10.670	180	1020596	246.33	ug/L		97
87) Isopropylbenzene	10.762	105	2593000	198.96	ug/L		96
88) Cyclohexanone	10.823	55	2807397	3545.67	ug/L		96
89) trans-1,4-Dichloro-2-B...	11.067	53	220284	181.52	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.018	83	904748	173.81	ug/L		94
92) Bromobenzene	11.006	156	827324	191.47	ug/L		96
93) 1,2,3-Trichloropropane	11.048	110	272228	190.90	ug/L		97
94) n-Propylbenzene	11.115	91	3009059	170.10	ug/L		98
95) 2-Chlorotoluene	11.176	91	1912100	166.96	ug/L		97
96) 3-Chlorotoluene	11.231	91	1942354	163.13	ug/L		98
97) 4-Chlorotoluene	11.268	91	2133313	166.79	ug/L		96
98) 1,3,5-Trimethylbenzene	11.268	105	2227275	180.24	ug/L		97
99) tert-Butylbenzene	11.536	119	1913357	180.08	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	2288118	185.94	ug/L		94
101) 3,4-Dichlorobenzotrifl...	11.640	214	890005	215.76	ug/L		94
102) sec-Butylbenzene	11.719	105	2806731	181.51	ug/L		96
103) p-Isopropyltoluene	11.841	119	2453816	193.02	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 09:37:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration

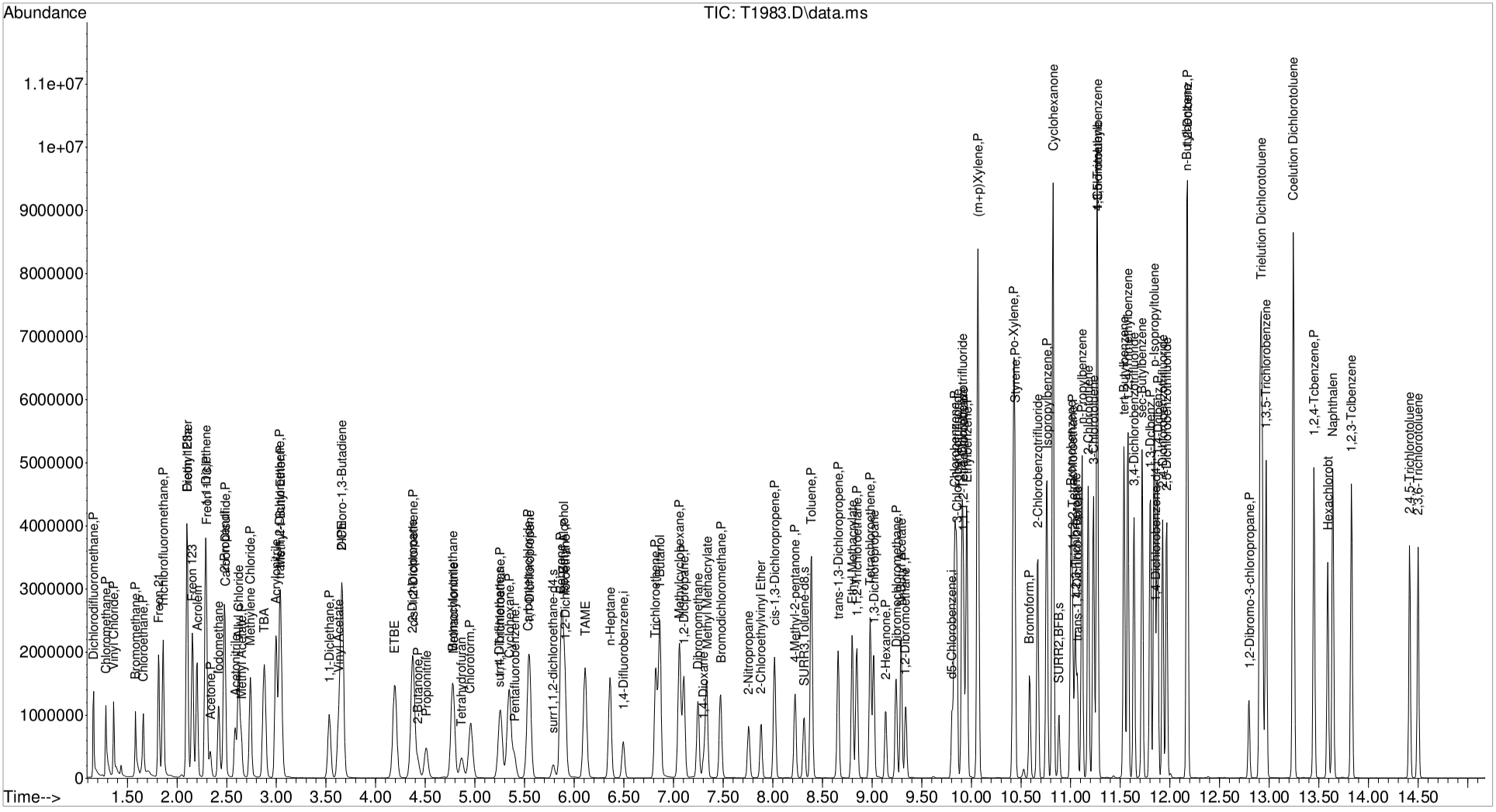
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	1515505	194.10	ug/L	97
105) 1,4-Dclbenz	11.877	146	1547920	185.98	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	838600	239.31	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	893128	216.19	ug/L	97
108) n-Butylbenzene	12.170	91	2227128	184.97	ug/L	98
109) 1,2-Dclbenz	12.176	146	1458273	188.03	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	284445	217.08	ug/L	90
111) Trielution Dichlorotol...	12.920	125	3615902	567.62	ug/L	94
112) 1,3,5-Trichlorobenzene	12.969	180	1174836	210.62	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	2652569	373.29	ug/L	95
114) 1,2,4-Tcbenzene	13.450	180	1172454	215.32	ug/L	100
115) Hexachlorobt	13.591	225	530865	227.58	ug/L	98
116) Naphthalen	13.639	128	2947134	215.48	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	1136067	221.48	ug/L	99
118) 2,4,5-Trichlorotoluene	14.414	159	781957	260.57	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	692853	246.40	ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 09:37:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration

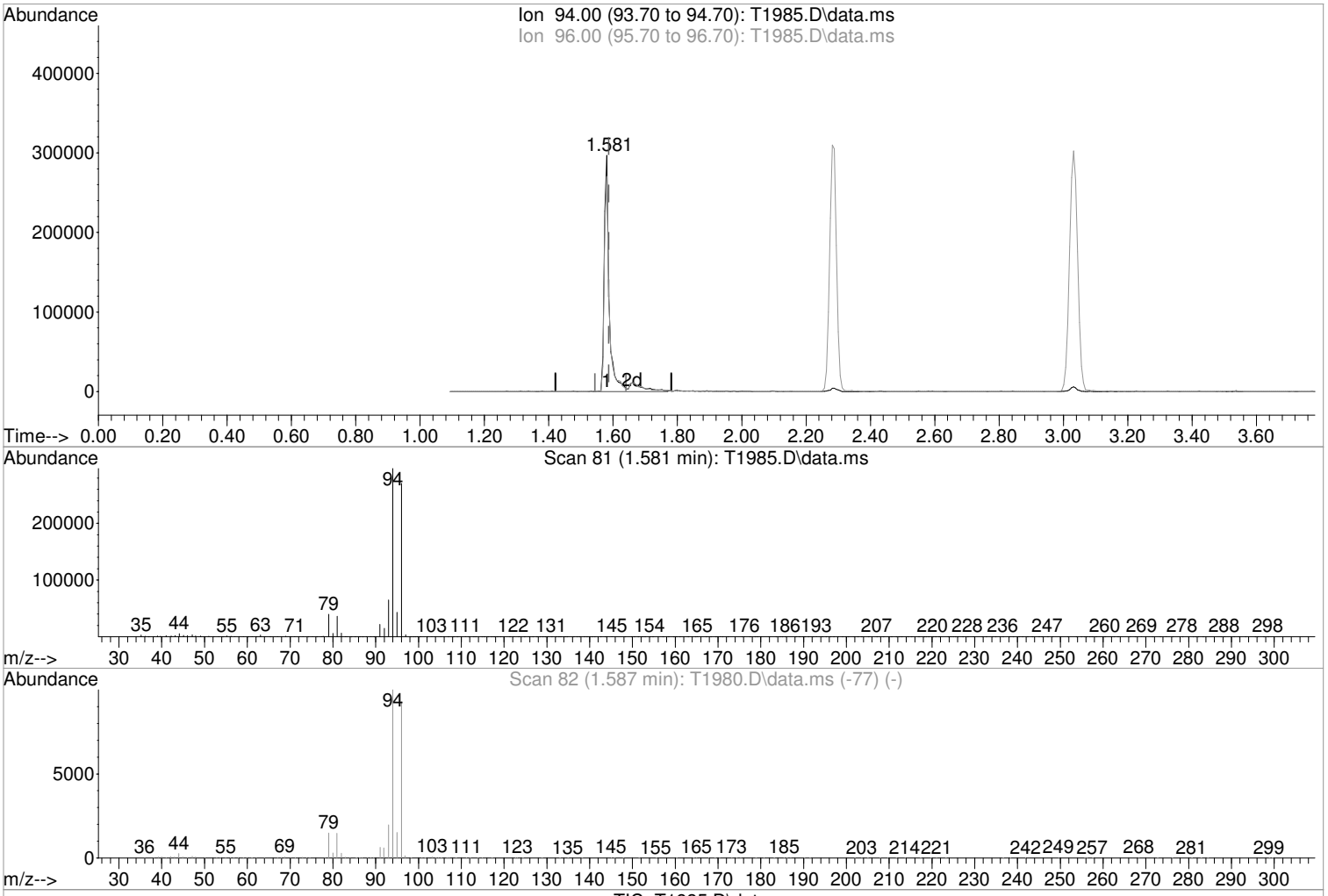


1st FJ 09/18/20
2nd 09/19/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 17 16:47:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration



(5) Bromomethane (P)

1.581min (-0.006) 79.08 ug/L m

response 344893

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	91.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

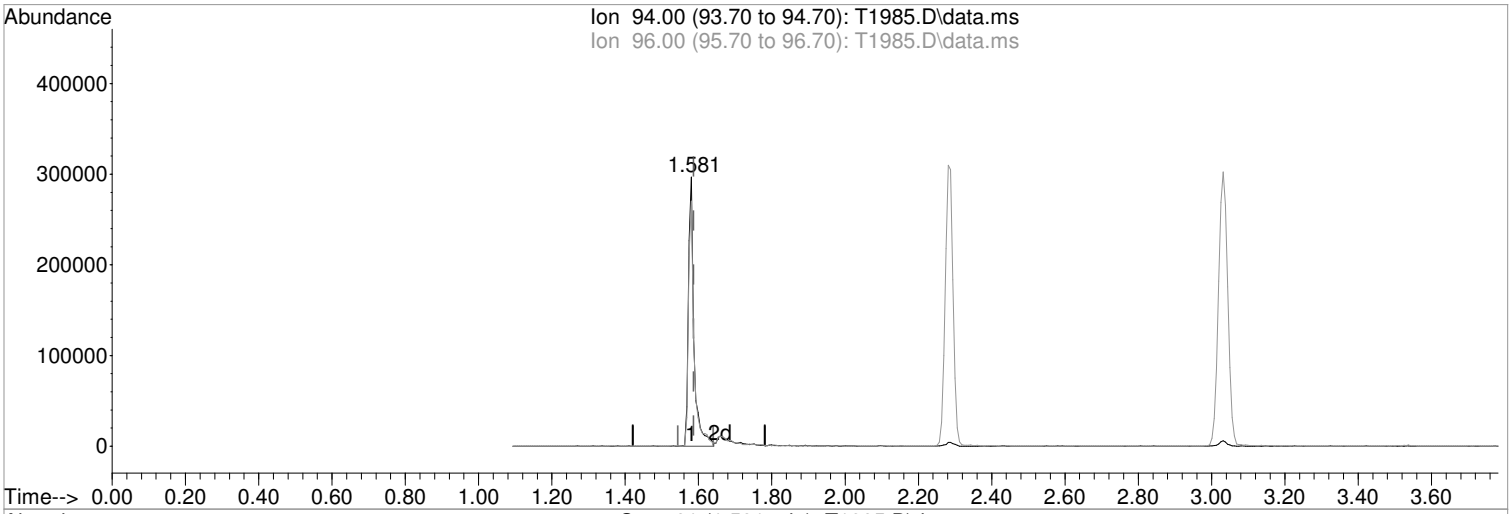
Poor integration.

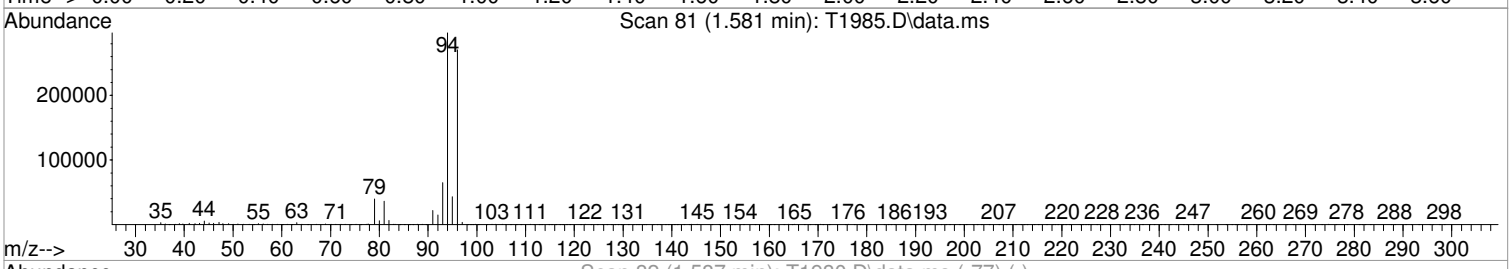
09/18/20

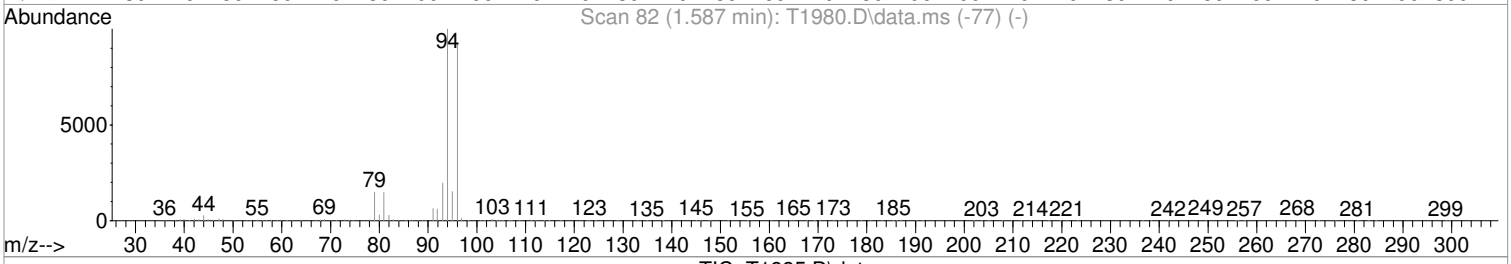
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 17 16:47:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration







TIC: T1985.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 71.29 ug/L

response 310925

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	91.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 09:38:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	434881	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	657466	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	629146	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	374245	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	784300	195.52	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 391.04%#				
46) surr1,1,2-dichloroetha...	5.787	65	887558	184.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 368.32%#				
64) SURR3,Toluene-d8	8.317	98	2891466	185.68	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 371.36%#				
69) SURR2,BFB	10.884	95	1201055	198.16	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 396.32%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	574461	125.57	ug/L		97
3) Chloromethane	1.282	50	657343	101.59	ug/L		99
4) Vinyl Chloride	1.361	62	584397	107.58	ug/L		100
5) Bromomethane	1.581	94	344893m	79.08	ug/L		
6) Chloroethane	1.654	64	491880	151.69	ug/L		96
7) Freon 21	1.812	67	1139230	135.65	ug/L		97
8) Trichlorofluoromethane	1.855	101	917549	143.07	ug/L		98
9) Diethyl Ether	2.099	59	544720	124.90	ug/L		91
10) Freon 123a	2.099	67	708800	128.45	ug/L		89
11) Freon 123	2.154	83	796614	135.70	ug/L		97
12) Acrolein	2.196	56	847946	630.88	ug/L		99
13) 1,1-Diclethene	2.282	96	460301	141.72	ug/L		97
14) Freon 113	2.288	101	559935	141.31	ug/L		98
15) Acetone	2.337	43	272953	124.11	ug/L		97
16) 2-Propanol	2.483	45	1403374	2697.74	ug/L		100
17) Iodomethane	2.416	142	878717	168.27	ug/L		95
18) Carbon Disulfide	2.477	76	1625520	133.62	ug/L		100
19) Acetonitrile	2.587	41	637485	660.29	ug/L		96
20) Allyl Chloride	2.617	76	317827	130.13	ug/L	#	92
21) Methyl Acetate	2.647	43	692025	123.46	ug/L		98
22) Methylene Chloride	2.739	84	608761	128.49	ug/L		93
23) TBA	2.879	59	2091327	2740.98	ug/L		98
24) Acrylonitrile	2.995	53	1625051	703.48	ug/L		100
25) Methyl-t-Butyl Ether	3.044	73	1886382	140.27	ug/L		98
26) trans-1,2-Dichloroethene	3.032	96	531672	145.59	ug/L		100
27) 1,1-Diclethane	3.531	63	1084867	143.02	ug/L		97
28) Vinyl Acetate	3.623	86	137733	168.17	ug/L	#	68
29) DIPE	3.659	45	2003568	130.85	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.653	53	900164	123.74	ug/L		100
31) ETBE	4.190	59	1782148	138.12	ug/L		99
32) 2,2-Dichloropropane	4.367	77	922645	151.32	ug/L		98
33) cis-1,2-Dichloroethene	4.373	96	626934	142.35	ug/L		88
34) 2-Butanone	4.428	43	429740	133.61	ug/L		93
35) Propionitrile	4.513	54	652026	666.45	ug/L		96
36) Bromochloromethane	4.769	130	423337	146.77	ug/L		81
37) Methacrylonitrile	4.775	67	326985	123.44	ug/L		93
38) Tetrahydrofuran	4.860	42	294414	121.61	ug/L		95
39) Chloroform	4.958	83	999868	135.21	ug/L		94
40) 1,1,1-Trichloroethane	5.257	97	889276	143.54	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 09:38:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	641919	140.75	ug/L		94
44) Carbontetrachloride	5.537	117	795508	168.13	ug/L		96
45) 1,1-Dichloropropene	5.549	75	776457	147.41	ug/L		96
47) Benzene	5.866	78	2290656	142.46	ug/L		97
48) 1,2-Dichloroethane	5.909	62	828321	142.93	ug/L		98
49) Iso-Butyl Alcohol	5.897	43	987341	2855.50	ug/L		95
50) TAME	6.110	73	1686637	137.99	ug/L		98
51) n-Heptane	6.360	43	877489	156.09	ug/L		97
52) 1-Butanol	6.860	56	1434138	7417.77	ug/L		97
53) Trichloroethene	6.817	130	614673	157.08	ug/L		93
54) Methylcyclohexane	7.055	55	798060	141.74	ug/L		97
55) 1,2-Diclpropane	7.104	63	648386	138.87	ug/L		99
56) Dibromomethane	7.244	93	425841	139.26	ug/L		97
57) 1,4-Dioxane	7.311	88	233661	2980.20	ug/L		98
58) Methyl Methacrylate	7.330	69	528007	127.14	ug/L	#	82
59) Bromodichloromethane	7.476	83	827650	144.47	ug/L		93
60) 2-Nitropropane	7.756	41	452909	251.77	ug/L		90
61) 2-Chloroethylvinyl Ether	7.878	63	330782	159.22	ug/L		95
62) cis-1,3-Dichloropropene	8.018	75	1006073	152.40	ug/L		98
63) 4-Methyl-2-pentanone	8.226	43	837657	135.22	ug/L		97
65) Toluene	8.390	91	2519986	146.17	ug/L		98
66) trans-1,3-Dichloropropene	8.659	75	938528	149.00	ug/L		96
67) Ethyl Methacrylate	8.799	69	946691	137.18	ug/L		99
68) 1,1,2-Trichloroethane	8.848	97	584013	142.22	ug/L		98
71) Tetrachloroethene	8.982	164	510711	155.25	ug/L		98
72) 2-Hexanone	9.140	43	622680	135.86	ug/L		91
73) 1,3-Dichloropropane	9.018	76	975482	138.43	ug/L		98
74) Dibromochloromethane	9.244	129	709583	156.82	ug/L		98
75) N-Butyl Acetate	9.293	43	1378792	136.82	ug/L		96
76) 1,2-Dibromoethane	9.341	107	645505	139.54	ug/L		94
77) 3-Chlorobenzotrifluoride	9.853	180	955728	161.82	ug/L		97
78) Chlorobenzene	9.835	112	1695365	148.49	ug/L		99
79) 4-Chlorobenzotrifluoride	9.908	180	847559	169.26	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.920	131	653624	160.98	ug/L		97
81) Ethylbenzene	9.951	106	893010	152.32	ug/L		92
82) (m+p)Xylene	10.067	106	2179192	307.71	ug/L		93
83) o-Xylene	10.426	106	1119924	152.66	ug/L	#	86
84) Styrene	10.439	104	1879863	155.13	ug/L		96
85) Bromoform	10.585	173	588985	168.28	ug/L		98
86) 2-Chlorobenzotrifluoride	10.670	180	1004304	178.97	ug/L		99
87) Isopropylbenzene	10.756	105	2736147	155.14	ug/L		96
88) Cyclohexanone	10.823	55	2887410	2742.33	ug/L		98
89) trans-1,4-Dichloro-2-B...	11.067	53	231424	142.49	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.018	83	961292	139.83	ug/L		95
92) Bromobenzene	11.006	156	866801	150.54	ug/L		98
93) 1,2,3-Trichloropropane	11.048	110	280048	148.38	ug/L		99
94) n-Propylbenzene	11.115	91	3212669	136.30	ug/L		96
95) 2-Chlorotoluene	11.176	91	2039515	133.65	ug/L		94
96) 3-Chlorotoluene	11.231	91	2024684	128.37	ug/L		94
97) 4-Chlorotoluene	11.268	91	2302035	135.29	ug/L		94
98) 1,3,5-Trimethylbenzene	11.268	105	2407092	146.46	ug/L		95
99) tert-Butylbenzene	11.536	119	2086141	147.44	ug/L		99
100) 1,2,4-Trimethylbenzene	11.579	105	2439119	148.84	ug/L		92
101) 3,4-Dichlorobenzotrifl...	11.640	214	894710	162.66	ug/L		95
102) sec-Butylbenzene	11.719	105	3001798	145.82	ug/L		94
103) p-Isopropyltoluene	11.841	119	2650082	156.48	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 09:38:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration

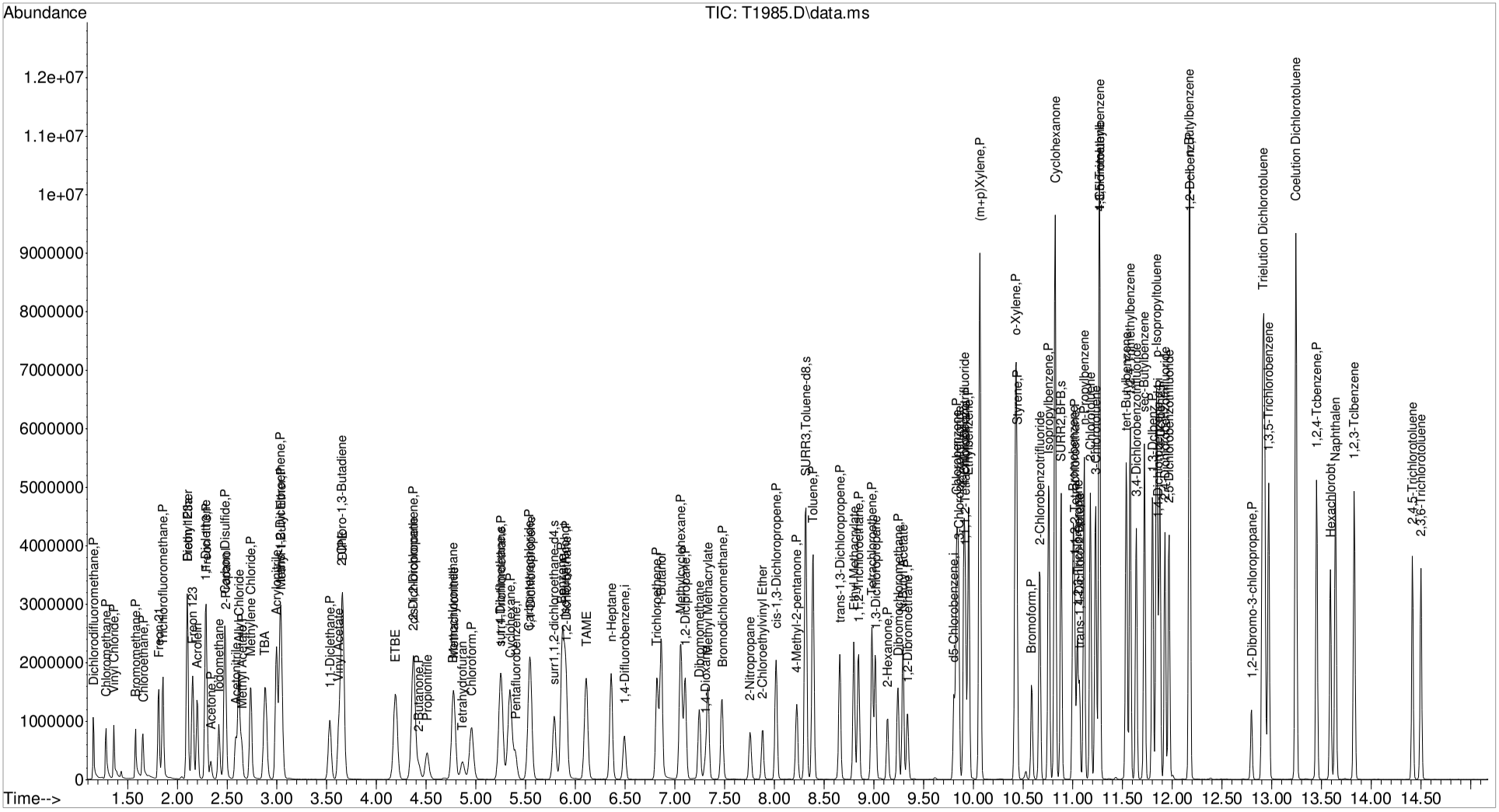
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	1594391	153.25	ug/L	96
105) 1,4-Dclbenz	11.877	146	1608912	145.22	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.926	214	856334	182.93	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	889829	162.24	ug/L	96
108) n-Butylbenzene	12.170	91	2438036	152.53	ug/L	96
109) 1,2-Dclbenz	12.176	146	1578537	153.52	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	267822	153.89	ug/L	96
111) Trielution Dichlorotol...	12.914	125	3950217	471.70	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	1233024	167.59	ug/L	97
113) Coelution Dichlorotoluene	13.243	125	2818773	301.18	ug/L	96
114) 1,2,4-Tcbenzene	13.450	180	1230479	170.45	ug/L	97
115) Hexachlorobt	13.590	225	530405	169.28	ug/L	100
116) Naphthalen	13.639	128	2870125	158.55	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	1198525	176.74	ug/L	98
118) 2,4,5-Trichlorotoluene	14.413	159	754966	189.21	ug/L	95
119) 2,3,6-Trichlorotoluene	14.499	159	683322	183.06	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 09:38:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration



1st FJ 09/18/20
2nd 09/19/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	46.263	7.5	82	0.00
3	P	Chloromethane	50.000	44.995	10.0	88	0.00
4	P	Vinyl Chloride	50.000	44.402	11.2	82	0.00
5	P	Bromomethane	50.000	54.416	-8.8	131	0.00
6	P	Chloroethane	50.000	39.185	21.6#	94	0.00
7		Freon 21	50.000	46.304	7.4	104	0.00
8	P	Trichlorofluoromethane	50.000	42.448	15.1	86	0.00
9		Diethyl Ether	50.000	46.724	6.6	103	0.00
10		Freon 123a	50.000	45.588	8.8	95	0.00
11		Freon 123	50.000	46.580	6.8	106	0.00
12		Acrolein	250.000	88.441	64.6#	38	0.00
13		1,1-Diclethene	50.000	51.345	-2.7	110	0.00
14	P	Freon 113	50.000	39.044	21.9#	82	0.00
15	P	Acetone	50.000	67.328	-34.7#	142	0.00
16		2-Propanol	1000.000	1071.666	-7.2	114	0.00
17		Iodomethane	50.000	39.003	22.0#	73	0.00
18	P	Carbon Disulfide	50.000	43.837	12.3	84	0.00
19		Acetonitrile	250.000	242.659	2.9	108	0.00
20		Allyl Chloride	50.000	42.244	15.5	89	0.00
21	P	Methyl Acetate	50.000	51.441	-2.9	106	0.00
22	P	Methylene Chloride	50.000	44.953	10.1	96	0.00
23		TBA	1000.000	1022.347	-2.2	108	0.00
24		Acrylonitrile	250.000	255.637	-2.3	103	0.00
25	P	Methyl-t-Butyl Ether	50.000	51.845	-3.7	104	0.00
26	P	trans-1,2-Dichloroethene	50.000	48.229	3.5	98	0.00
27	P	1,1-Diclethane	50.000	47.164	5.7	92	0.00
28		Vinyl Acetate	50.000	57.798	-15.6	128	-0.01
29		DIPE	50.000	50.237	-0.5	108	0.00
30		2-Chloro-1,3-Butadiene	50.000	39.820	20.4#	82	0.00
31		ETBE	50.000	50.997	-2.0	100	0.00
32		2,2-Dichloropropane	50.000	44.355	11.3	91	0.00
33	P	cis-1,2-Dichloroethene	50.000	46.557	6.9	91	0.00
34	P	2-Butanone	50.000	54.397	-8.8	115	0.00
35		Propionitrile	250.000	251.528	-0.6	104	0.00
36		Bromochloromethane	50.000	47.099	5.8	96	0.00
37		Methacrylonitrile	50.000	51.784	-3.6	107	0.00
38		Tetrahydrofuran	50.000	44.743	10.5	93	0.00
39	P	Chloroform	50.000	44.780	10.4	92	0.00
40	P	1,1,1-Trichloroethane	50.000	43.136	13.7	86	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
42	P	Cyclohexane	50.000	53.572	-7.1	114	0.00
43	s	surr4,Dibrflmethane	50.000	51.343	-2.7	103	0.00
44	P	Carbontetrachloride	50.000	45.117	9.8	83	0.00
45		1,1-Dichloropropene	50.000	44.214	11.6	87	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	51.698	-3.4	103	0.00
47	P	Benzene	50.000	45.789	8.4	88	0.00
48	P	1,2-Dichloroethane	50.000	46.408	7.2	94	0.00
49		Iso-Butyl Alcohol	1000.000	986.607	1.3	104	0.00
50		TAME	50.000	53.525	-7.0	109	0.00
51		n-Heptane	50.000	44.563	10.9	85	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	2715.466	-8.6	108	0.00
53	P	Trichloroethene	50.000	45.068	9.9	85	0.00
54	P	Methylcyclohexane	50.000	51.475	-3.0	121	0.00
55	P	1,2-Diclpropane	50.000	43.293	13.4	89	0.00
56		Dibromomethane	50.000	44.763	10.5	93	0.00
57		1,4-Dioxane	1000.000	989.715	1.0	106	0.00
58		Methyl Methacrylate	50.000	52.345	-4.7	103	0.00
59	P	Bromodichloromethane	50.000	44.415	11.2	91	0.00
60		2-Nitropropane	100.000	108.297	-8.3	105	0.00
61		2-Chloroethylvinyl Ether	50.000	14.953	70.1#	32	0.00
62	P	cis-1,3-Dichloropropene	50.000	47.641	4.7	92	0.00
63	P	4-Methyl-2-pentanone	50.000	50.194	-0.4	108	0.00
64	s	SURR3,Toluene-d8	50.000	52.439	-4.9	102	0.00
65	P	Toluene	50.000	45.630	8.7	89	0.00
66	P	trans-1,3-Dichloropropene	50.000	46.467	7.1	94	0.00
67		Ethyl Methacrylate	50.000	49.030	1.9	101	0.00
68	P	1,1,2-Trichloroethane	50.000	47.797	4.4	97	0.00
69	s	SURR2,BFB	50.000	51.957	-3.9	99	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	97	0.00
71	P	Tetrachloroethene	50.000	42.574	14.9	84	0.00
72	P	2-Hexanone	50.000	55.288	-10.6	112	0.00
73		1,3-Dichloropropane	50.000	48.890	2.2	98	0.00
74	P	Dibromochloromethane	50.000	50.183	-0.4	93	0.00
75		N-Butyl Acetate	50.000	51.058	-2.1	103	0.00
76	P	1,2-Dibromoethane	50.000	47.241	5.5	94	0.00
77		3-Chlorobenzotrifluoride	50.000	47.610	4.8	98	0.00
78	P	Chlorobenzene	50.000	47.057	5.9	92	0.00
79		4-Chlorobenzotrifluoride	50.000	49.379	1.2	97	0.00
80		1,1,1,2-Tetrachloroethane	50.000	49.014	2.0	91	0.00
81	P	Ethylbenzene	50.000	47.614	4.8	87	0.00
82	P	(m+p)Xylene	100.000	98.045	2.0	87	0.00
83	P	o-Xylene	50.000	46.871	6.3	87	0.00
84	P	Styrene	50.000	49.025	2.0	88	0.00
85	P	Bromoform	50.000	46.896	6.2	98	0.00
86		2-Chlorobenzotrifluoride	50.000	50.229	-0.5	96	0.00
87	P	Isopropylbenzene	50.000	48.369	3.3	84	0.00
88		Cyclohexanone	1000.000	1002.157	-0.2	101	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	44.125	11.8	104	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	49.610	0.8	104	0.00
92		Bromobenzene	50.000	43.869	12.3	89	0.00
93		1,2,3-Trichloropropane	50.000	48.627	2.7	97	0.00
94		n-Propylbenzene	50.000	45.381	9.2	87	0.00
95		2-Chlorotoluene	50.000	43.262	13.5	87	0.00
96		3-Chlorotoluene	50.000	44.922	10.2	95	0.00
97		4-Chlorotoluene	50.000	43.752	12.5	88	0.00
98		1,3,5-Trimethylbenzene	50.000	46.544	6.9	87	0.00
99		tert-Butylbenzene	50.000	45.949	8.1	87	0.00
100		1,2,4-Trimethylbenzene	50.000	48.363	3.3	88	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	45.711	8.6	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	47.079	5.8	86	0.00
103		p-Isopropyltoluene	50.000	45.988	8.0	83	0.00
104	P	1,3-Dclbenz	50.000	45.886	8.2	88	0.00
105	P	1,4-Dclbenz	50.000	44.573	10.9	88	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	47.928	4.1	97	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	47.588	4.8	102	0.00
108		n-Butylbenzene	50.000	44.510	11.0	85	0.00
109	P	1,2-Dclbenz	50.000	47.449	5.1	89	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	50.087	-0.2	101	0.00
111		Trielution Dichlorotoluene	150.000	151.657	-1.1	98	0.00
112		1,3,5-Trichlorobenzene	50.000	49.258	1.5	99	0.00
113		Coelution Dichlorotoluene	100.000	101.098	-1.1	99	0.00
114	P	1,2,4-Tcbenzene	50.000	48.157	3.7	90	0.00
115		Hexachlorobt	50.000	43.587	12.8	86	0.00
116		Naphthalen	50.000	54.102	-8.2	97	0.00
117		1,2,3-Tclbenzene	50.000	47.676	4.6	87	0.00
118		2,4,5-Trichlorotoluene	50.000	51.779	-3.6	100	0.00
119		2,3,6-Trichlorotoluene	50.000	57.379	-14.8	99	0.00

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

Analysis: 8260/624 | Analyst: F.Naegler | pH strips: — | Tune Method: W091720.M

Date: 09/17/2020 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS 10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 202105 | LIMS Run# : —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	TUNE							T1973	Y	
1	ICAL BLK							74	Y	
2	0.5 ppb std							75	Y	
3	1.0							76	Y	
4	2.0							77	Y	
5	5.0							78	Y	
6	20							79	Y	
7	50							80	Y	
8	100							81	Y	
9	150							82	(N)	Rpt
10	200 ↓							83	Y	
11	BLK							84	Y	
12	150 ppb std							85	Y	
13	BLK							86	Y	
14	BLK							87	Y	
15	50 ppb ICV							88	Y	acetone ↑, 2-cleve ↓ ; Rpt
16	BLK							89	Y	
17	BLK							90	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 212581	10mL/1mL 5mL/5mL	10mL/5mL	20mL/5mL	50mL/5mL	2mL/5mL	5mL/5mL	10mL/5mL	15mL/5mL	20mL/5mL
1° HSL = 212582	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 212280	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 211502	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples 5 mL + 5 uL combined IS/Surr. 5 mL purged

Primary SEE TABLE ABOVE

Primary : ↓

Primary :

Primary :

Primary :

Fr Secondary 200 : 211981 - 12.5uL

T/G Secondary 50 : 212050 - 5uL

HSL Secondary ↓ : 212140 ↓

OCC Secondary ↓ : 211504 ↓

Secondary :

5mL (ICV)

Combined IS/Surr : —

Surrogate 50 : 212475

Internal Std 50 : 212476

Reagents: —

Analysis: 8260 | 624 Analyst: F.Naeglen pH strips: 221419 Tune Method: W0917 20.M

Date: 09|18|2020 Balance ID: — ResCl strips: 040820F Run Method: ↓

Instr. MS 10 50 mL Class A used for dilution FV Syringes: 177417 | 202105 LIMS Run# :

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							T1991	Y	
2	BLK							92	Y	
3	TUNE							93	Y	
1	CCV							94	Y	
2	50 ppb ICV							95	Y	acetone + 2-cleve

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr —:—

Surrogate 50 : 212475

Internal Std 50 : 212476

Reagents: —

T/G Primary 500 : 212581 - 5uL | 5mL

HSL Primary : 212582 -

Fr Primary : 212280 - (CCV)

OCC Primary : 211502 -

Primary :

Fr Secondary 200 : 211981 - 5uL

T/G Secondary 500 : 212050 - 2uL

HSL Secondary : 212600 -

OCC Secondary : 211504 -

EK Secondary 200 : 212379 - 5uL | 5mL (LCS)

-12.5uL -5uL | 5mL (SPK)

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2000142-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1975.D	09/17/2020 12:47
02	RC2000142-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1976.D	09/17/2020 13:09
03	RC2000142-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1977.D	09/17/2020 13:31
04	RC2000142-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1978.D	09/17/2020 13:53
05	RC2000142-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1979.D	09/17/2020 14:14
06	RC2000142-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1980.D	09/17/2020 14:36
07	RC2000142-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1981.D	09/17/2020 14:58
08	RC2000142-08	200 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1983.D	09/17/2020 15:42
09	RC2000142-09	150 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1985.D	09/17/2020 16:26

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9968	02	1.000	0.6225	03	2.000	0.699	04	5.000	0.7427
05	20.000	0.6854	06	50.000	0.7137	07	100.000	0.609	09	150.000	0.6816
08	200.000	0.6293									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9169	02	1.000	0.8689	03	2.000	0.8882	04	5.000	0.9283
05	20.000	0.9523	06	50.000	0.8852	07	100.000	0.7786	09	150.000	0.8315
08	200.000	0.7587									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4494	02	1.000	0.3648	03	2.000	0.3605	04	5.000	0.359
05	20.000	0.363	06	50.000	0.3466	07	100.000	0.317	09	150.000	0.3528
08	200.000	0.4271									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4795	05	20.000	0.4259	06	50.000	0.4752	07	100.000	0.4632
09	200.000	0.4567									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3399	05	20.000	0.2769	06	50.000	0.298	07	100.000	0.3054
09	200.000	0.2982									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3258	02	1.000	0.2479	03	2.000	0.2499	04	5.000	0.2486
05	20.000	0.2564	06	50.000	0.2582	07	100.000	0.2331	09	150.000	0.2706
08	200.000	0.2717									

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.316	05	20.000	1.086	06	50.000	1.181	07	100.000	1.154
09	200.000	1.099									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3374	02	1.000	0.2417	03	2.000	0.2841	04	5.000	0.3117
05	20.000	0.2967	06	50.000	0.3102	07	100.000	0.2876	09	150.000	0.3116
08	200.000	0.3114									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6253	02	1.000	0.6719	03	2.000	0.6097	04	5.000	0.6243
05	20.000	0.7144	06	50.000	0.6538	07	100.000	0.547	09	150.000	0.4479
08	200.000	0.5498									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5906	02	1.000	0.4485	03	2.000	0.5256	04	5.000	0.5407
05	20.000	0.5197	06	50.000	0.5127	07	100.000	0.4708	09	150.000	0.4805
08	200.000	0.4425									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3703	02	1.000	0.5791	03	2.000	0.4162	04	5.000	0.415
05	20.000	0.4214	06	50.000	0.4126	07	100.000	0.3725	09	150.000	0.4075
08	200.000	0.3717									

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000142 **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	16.5	≤20	0.7089	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.6	≤20	0.8676	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	11.1	≤20	0.3711	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	4.6	≤20	0.4601	
Dibromofluoromethane	SURR	Average RF	% RSD	7.5	≤20	0.3037	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.1	≤20	0.2624	0.200
Toluene-d8	SURR	Average RF	% RSD	7.9	≤20	1.167	
Trichloroethene (TCE)	TRG	Average RF	% RSD	8.9	≤20	0.2992	0.200
Vinyl Chloride	TRG	Average RF	% RSD	13.2	≤20	0.6049	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	9.5	≤20	0.5035	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	15.3	≤20	0.4185	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2000142-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091720\T1988.D	09/17/2020 17:31
11	RC2000142-11	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091820\T1995.D	09/18/2020 12:54

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.1	7.089E-1	6.116E-1	-13.727	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.2	8.676E-1	8.184E-1	-5.673	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	51.3	3.711E-1	3.811E-1	2.69	±30	Average RF
Tetrachloroethene (PCE)	50.0	42.6	2.624E-1	2.235E-1	-14.853	±30	Average RF
Trichloroethene (TCE)	50.0	45.1	2.992E-1	2.697E-1	-9.864	±30	Average RF
Vinyl Chloride	50.0	44.4	6.049E-1	5.372E-1	-11.195	±30	Average RF
cis-1,2-Dichloroethene	50.0	46.6	5.035E-1	4.688E-1	-6.886	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.2	4.185E-1	4.037E-1	-3.542	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.0	4.601E-1	4.781E-1	3.92	±30	Average RF
Dibromofluoromethane	50.0	51.3	3.037E-1	3.119E-1	2.69	±30	Average RF
Toluene-d8	50.0	52.4	1.167E0	1.224E0	4.88	±30	Average RF

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

Service Request: R2008604
Date Analyzed: 09/24/20 10:15

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\092420\T2141.D\
Signal ID: 1

Calibration Date: 9/17/2020
Calibration ID: RC2000142
Analysis Lot: 696421
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	42.1	0.7089	0.5973	-15.7	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.6	0.8676	0.8266	-4.7	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	41.4	0.3711	0.307	-17.3	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	43.2	0.2624	0.2268	-13.6	NA	±20	Average RF
Trichloroethene (TCE)	50.0	44.0	0.2992	0.2631	-12.0	NA	±20	Average RF
Vinyl Chloride	50.0	59.1	0.6049	0.7154	18.3	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.1	0.5035	0.4845	-3.8	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	46.0	0.4185	0.3846	-8.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	58.2	0.4601	0.5356	16.4	NA	±20	Average RF
Dibromofluoromethane	50.0	55.4	0.3037	0.3366	10.8	NA	±20	Average RF
Toluene-d8	50.0	53.3	1.1673	1.2446	6.6	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**696421
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092420\T2140.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	09:42:00	
I:\ACQUDATA\msvoa10\data\092420\T2141.D\	Continuing Calibration Verification	RQ2011255-02	9/24/2020	10:15:00	
I:\ACQUDATA\msvoa10\data\092420\T2142.D\	Lab Control Sample	RQ2011255-03	9/24/2020	10:55:00	
I:\ACQUDATA\msvoa10\data\092420\T2145.D\	Method Blank	RQ2011255-04	9/24/2020	12:08:00	
I:\ACQUDATA\msvoa10\data\092420\T2146.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	12:30:00	
I:\ACQUDATA\msvoa10\data\092420\T2147.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	12:51:00	
I:\ACQUDATA\msvoa10\data\092420\T2148.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	13:13:00	
I:\ACQUDATA\msvoa10\data\092420\T2149.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	13:35:00	
I:\ACQUDATA\msvoa10\data\092420\T2150.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	13:57:00	
I:\ACQUDATA\msvoa10\data\092420\T2151.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	14:19:00	
I:\ACQUDATA\msvoa10\data\092420\T2152.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	14:41:00	
I:\ACQUDATA\msvoa10\data\092420\T2153.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	15:02:00	
I:\ACQUDATA\msvoa10\data\092420\T2154.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	15:24:00	
I:\ACQUDATA\msvoa10\data\092420\T2155.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	15:46:00	
I:\ACQUDATA\msvoa10\data\092420\T2156.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	16:08:00	
I:\ACQUDATA\msvoa10\data\092420\T2157.D\	TB 09162020	R2008604-001	9/24/2020	16:30:00	
I:\ACQUDATA\msvoa10\data\092420\T2158.D\	MW-2 09162020	R2008604-004	9/24/2020	16:51:00	
I:\ACQUDATA\msvoa10\data\092420\T2159.D\	MW-26 09162020	R2008604-006	9/24/2020	17:13:00	
I:\ACQUDATA\msvoa10\data\092420\T2160.D\	MW-19 09162020	R2008604-009	9/24/2020	17:35:00	
I:\ACQUDATA\msvoa10\data\092420\T2161.D\	MW-28 09162020	R2008604-010	9/24/2020	17:57:00	
I:\ACQUDATA\msvoa10\data\092420\T2162.D\	MW-17 09162020	R2008604-012	9/24/2020	18:19:00	
I:\ACQUDATA\msvoa10\data\092420\T2163.D\	DUP 09162020	R2008604-014	9/24/2020	18:41:00	
I:\ACQUDATA\msvoa10\data\092420\T2164.D\	MP-6S 09162020	R2008604-007	9/24/2020	19:02:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**696421
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092420\T2165.D\	MW-38 09162020	R2008604-008	9/24/2020	19:24:00	
I:\ACQUDATA\msvoa10\data\092420\T2166.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	19:46:00	
I:\ACQUDATA\msvoa10\data\092420\T2167.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	20:08:00	

Analysis: 8260	Analyst: F.Naegler	pH strips: 221419	Tune Method: W091720.M
Date: 09/24/2020	Balance ID: —	ResCl strips: —	Run Method: ↓
Instr. MS10	50 mL Class A used for dilution FV	Syringes: 177417/202105	LIMS Run#: 696421

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							T21737	Y	
2	BLK							38	Y	
3	TUNE							39	(N)	
1	TUNE							40	Y	
1	CCV							41	Y	
2	LCS-FP							42	Y	
3	BLK							43	(N)	
4	MBLK-WSP							44	Y	
5	MBLK-FP							45	Y	
6	R2008546-001	1.0		6813	2	1	<2	46	Y	
7	-002	1.0		↓	↓	1	<2	47	Y	
8	↓ -005	1.0		↓	↓	1	<2	48	Y	
9	R2008598-004	5.0	10/50mL	6656	4	2	<2	49	Y	DL +TICs
10	R2008517-001	50.0	1/50mL	8524	2	1	<2	50	Y	Foamy!
11	↓ -002	50.0	1/50mL	↓	↓	1	(5)	51	Y	Foamy!
12	R2008657-001	1.0		6646	4	1	<2	52	Y	
13	-002	1.0		↓	↓	1	<2	53	Y	
14	-003	1.0		↓	↓	1	<2	54	Y	
15	-007	1.0		↓	↓	1	<2	55	Y	
16	↓ -008	1.0		↓	↓	1	<2	56	Y	
17	R2008604-001	1.0		6646	4	1	<2	57	Y	
18	-004	1.0		↓	↓	1	<2	58	Y	
19	-006	1.0		↓	↓	1	<2	59	Y	
20	-009	1.0		↓	↓	1	<2	60	Y	
21	-010	5.0	10/50mL	↓	↓	1	<2	61	Y	Foamy!
22	-012	1.0		↓	↓	1	<2	62	Y	
23	-014	1.0		↓	↓	1	<2	63	Y	
24	-007	2.5	20/50mL	↓	↓	1	<2	64	Y	
25	↓ -008	1.0		↓	↓	1	<2	65	Y	
26	R2008657-002MS	1.0		6646	4	2	<2	66	Y	
27	↓ -002MD	1.0		↓	↓	3	<2	67	Y	
28	BLK							↓ 68	Y	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

T/G Primary 500 : 212581 — 5mL/5mL

HSL Primary ↓ : 212582 —

Fr Primary ↓ : 212280 —

OCC Primary ↓ : 211502 —

Primary : ____

↓ (CCV)

Fr Secondary 200 : ~~211487~~ 212773 — 2mL

T/G Secondary 500 : 212050 — 2mL

HSL Secondary ↓ : 212600 — ↓

OCC Secondary ↓ : 211504 — ↓

Secondary : ____

5mL (LCS)

-12.5mL -5mL 5mL (SPK)

Combined IS/Surr — : —

Surrogate 50 : 212475

Internal Std 50 : 212476

Reagents: ~

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 09:40
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-7A 09162020	**Units:**	ug/L
Lab Code:	R2008604-002	**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)	1.0 U	1.0	0.20	1	09/21/20 17:38	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 17:38	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 17:38	
Tetrachloroethene (PCE)	**38**	1.0	0.21	1	09/21/20 17:38	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 17:38	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 17:38	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 17:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 17:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/21/20 17:38	
Dibromofluoromethane	101	89 - 119	09/21/20 17:38	
Toluene-d8	106	87 - 121	09/21/20 17:38	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 09:40
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MP-8S 09162020	**Units:**	ug/L
Lab Code:	R2008604-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 19:06	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 19:06	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 19:06	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 19:06	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 19:06	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 19:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 19:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 19:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	09/21/20 19:06	
Dibromofluoromethane	108	89 - 119	09/21/20 19:06	
Toluene-d8	111	87 - 121	09/21/20 19:06	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 11:15
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-3 09162020	**Units:**	ug/L
Lab Code:	R2008604-005	**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	09/21/20 19:27	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 19:27	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 19:27	
Tetrachloroethene (PCE)	**5.6**	1.0	0.21	1	09/21/20 19:27	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 19:27	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 19:27	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 19:27	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 19:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	09/21/20 19:27	
Dibromofluoromethane	103	89 - 119	09/21/20 19:27	
Toluene-d8	112	87 - 121	09/21/20 19:27	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008604
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/16/20 15:35
Sample Matrix:	Water	**Date Received:**	09/17/20 09:00
Sample Name:	MW-16 09162020	**Units:**	ug/L
Lab Code:	R2008604-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

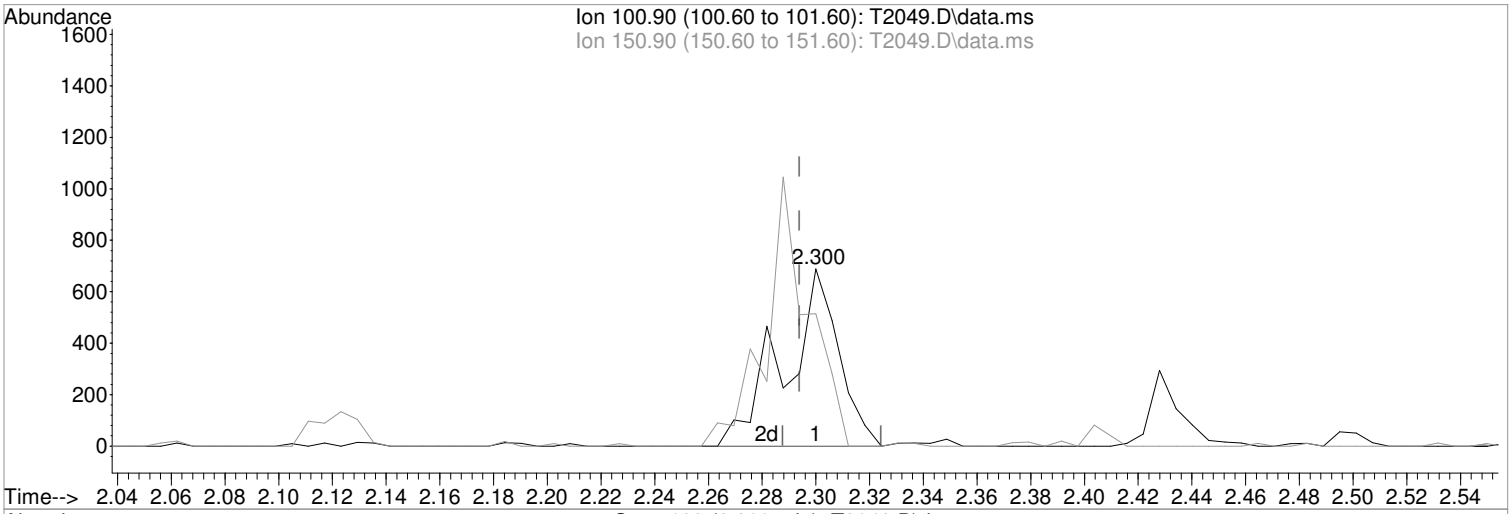
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 19:49	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 19:49	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 19:49	
Tetrachloroethene (PCE)	**3.5**	1.0	0.21	1	09/21/20 19:49	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 19:49	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 19:49	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 19:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 19:49	

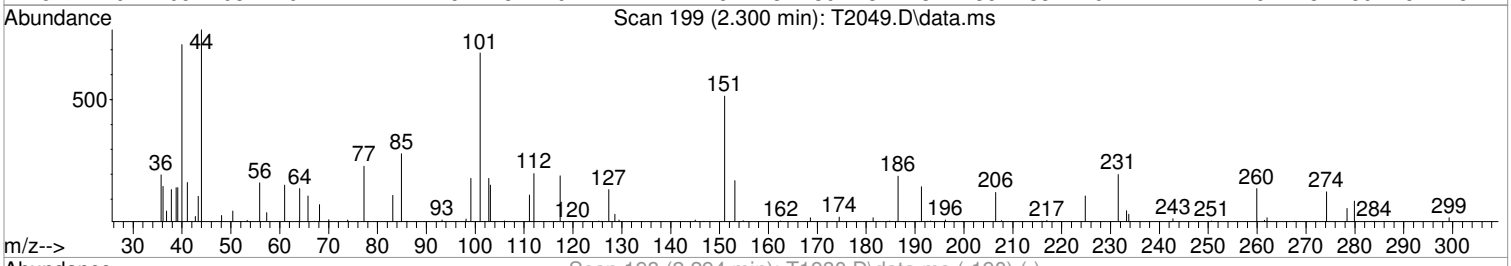
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	09/21/20 19:49	
Dibromofluoromethane	109	89 - 119	09/21/20 19:49	
Toluene-d8	112	87 - 121	09/21/20 19:49	

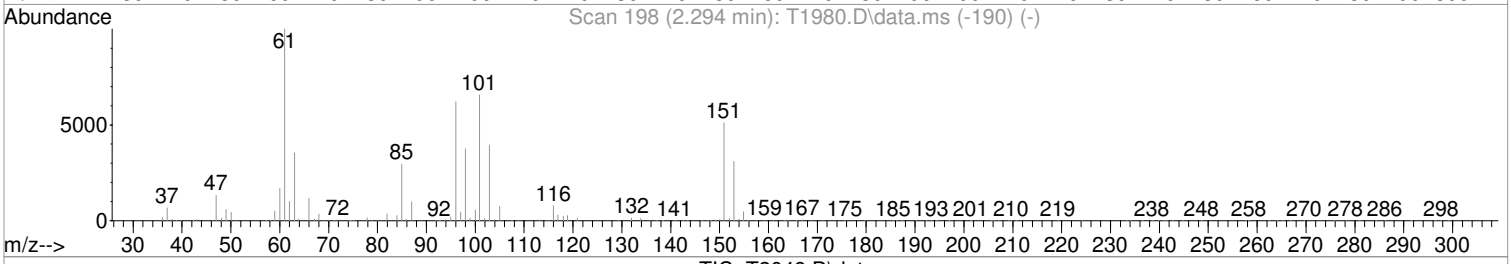
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2049.D
Acq On : 21 Sep 2020 5:38 pm
Operator : F.NAEGLER
Sample : R2008604-002|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 22 08:43:16 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2049.D\data.ms

(14) Freon 113 (P)

2.300min (+0.006) 0.44 ug/L m

response 962

Ion	Exp%	Act%
100.90	100	100
150.90	77.80	74.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

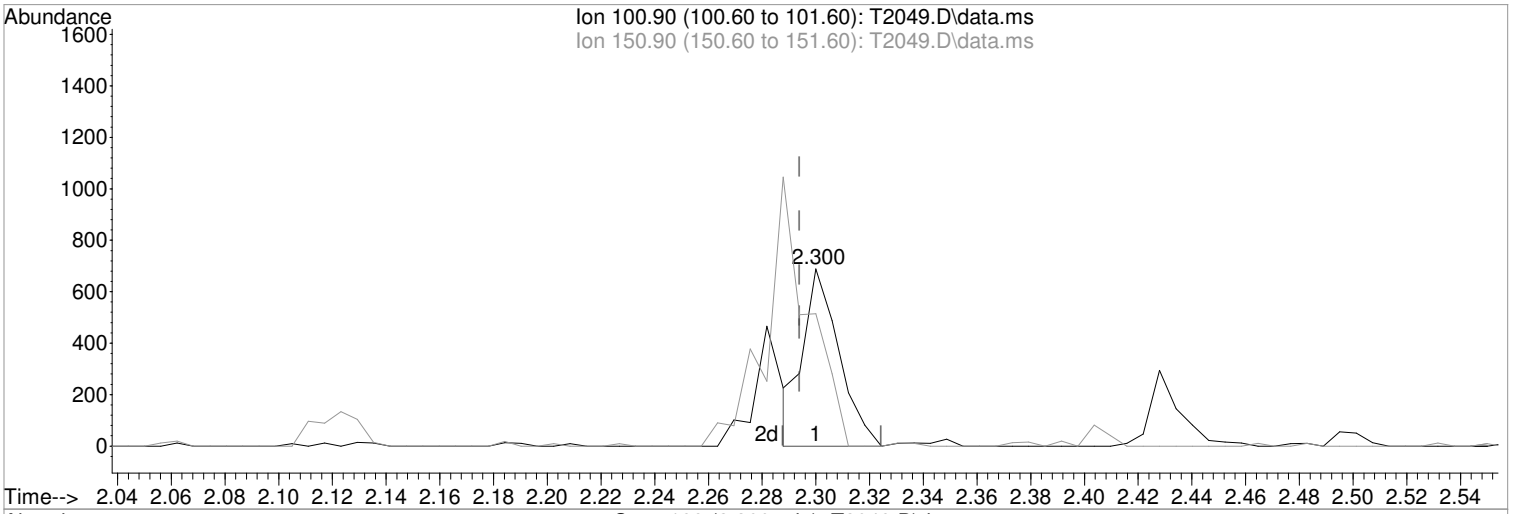
Poor integration.

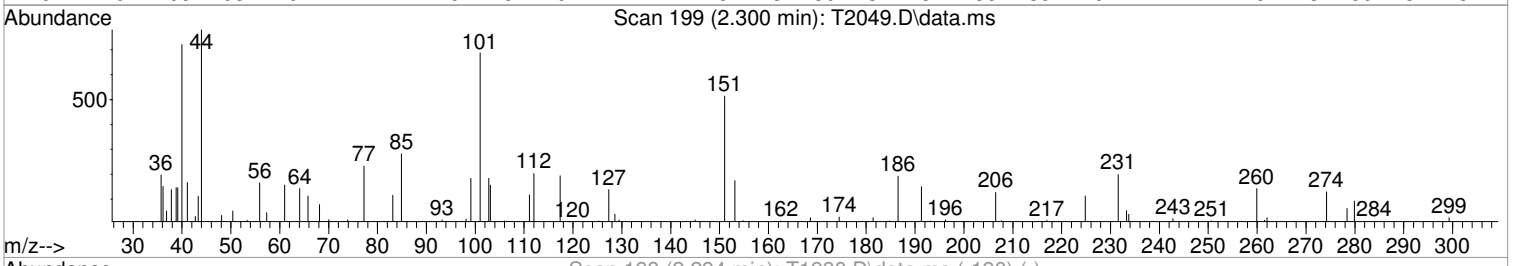
09/23/20

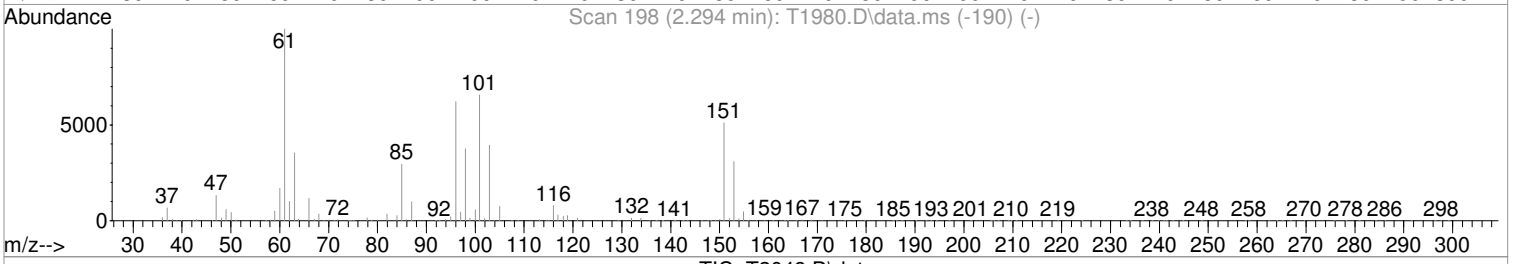
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2049.D
Acq On : 21 Sep 2020 5:38 pm
Operator : F.NAEGLER
Sample : R2008604-002|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 22 08:43:16 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2049.D\data.ms

(14) Freon 113 (P)

2.300min (+0.006) 0.29 ug/L

response 639

Ion	Exp%	Act%
100.90	100	100
150.90	77.80	74.71
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

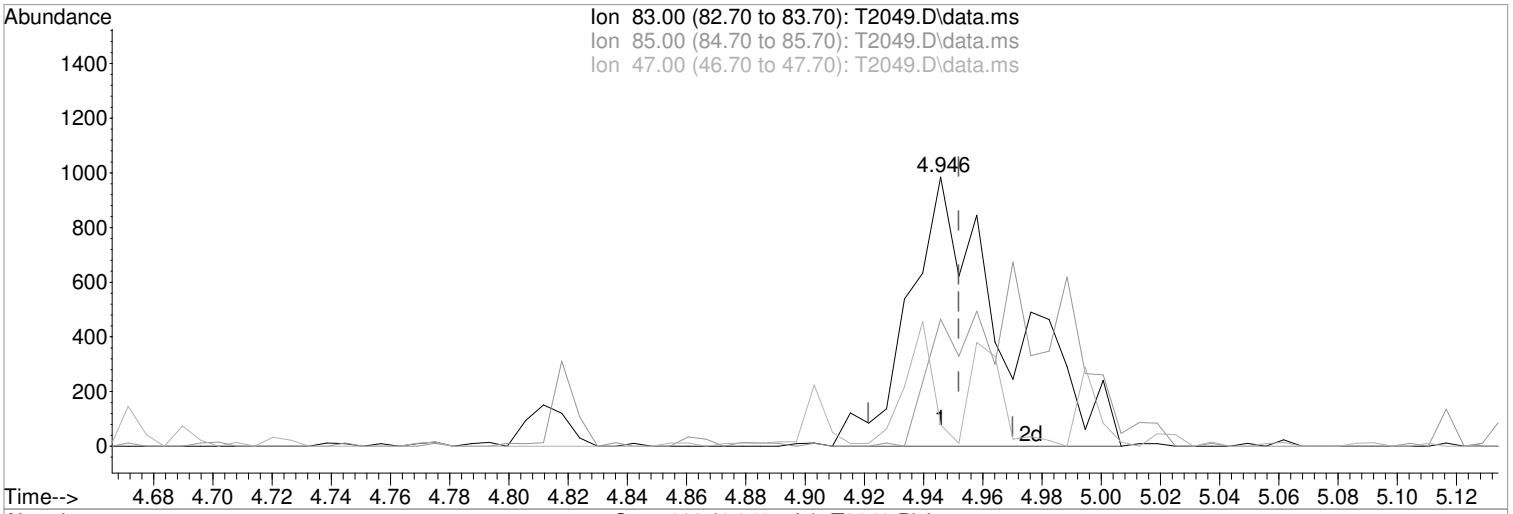
Before

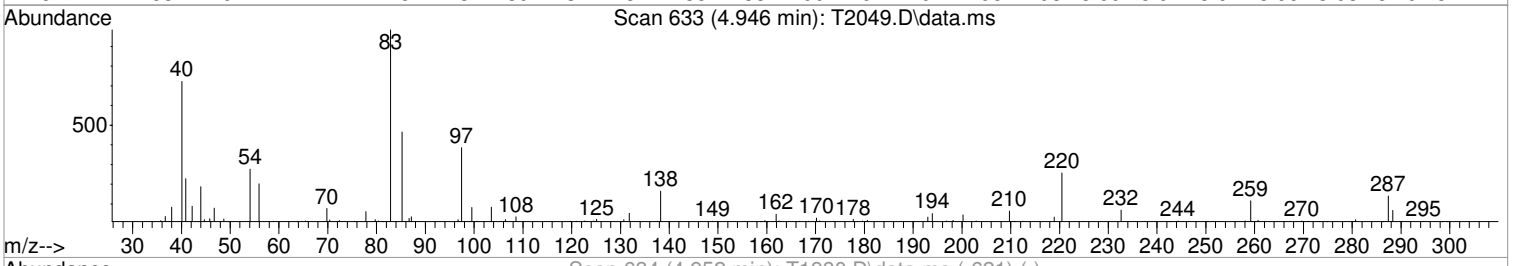
09/23/20

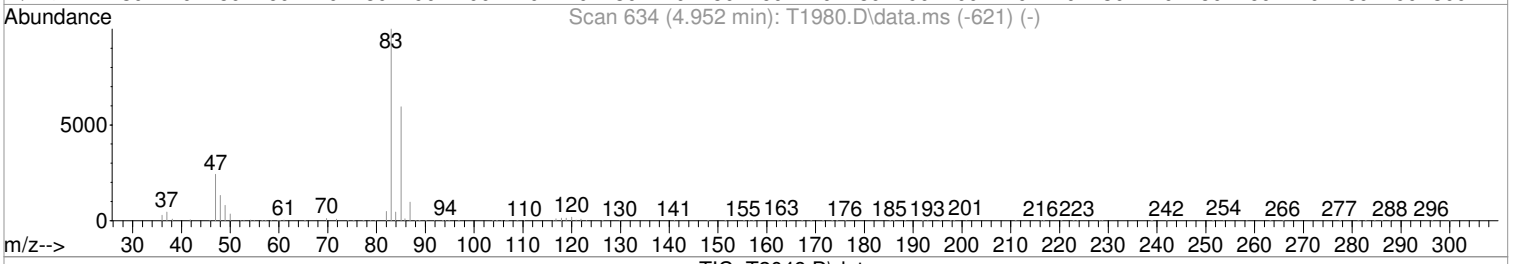
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2049.D
Acq On : 21 Sep 2020 5:38 pm
Operator : F.NAEGLER
Sample : R2008604-002|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 22 08:43:16 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2049.D\data.ms

(39) Chloroform (P)

4.946min (-0.006) 0.55 ug/L m

response 2246

Ion	Exp%	Act%
83.00	100	100
85.00	59.50	47.26
47.00	24.20	8.03
0.00	0.00	0.00

Manual Integration:

After

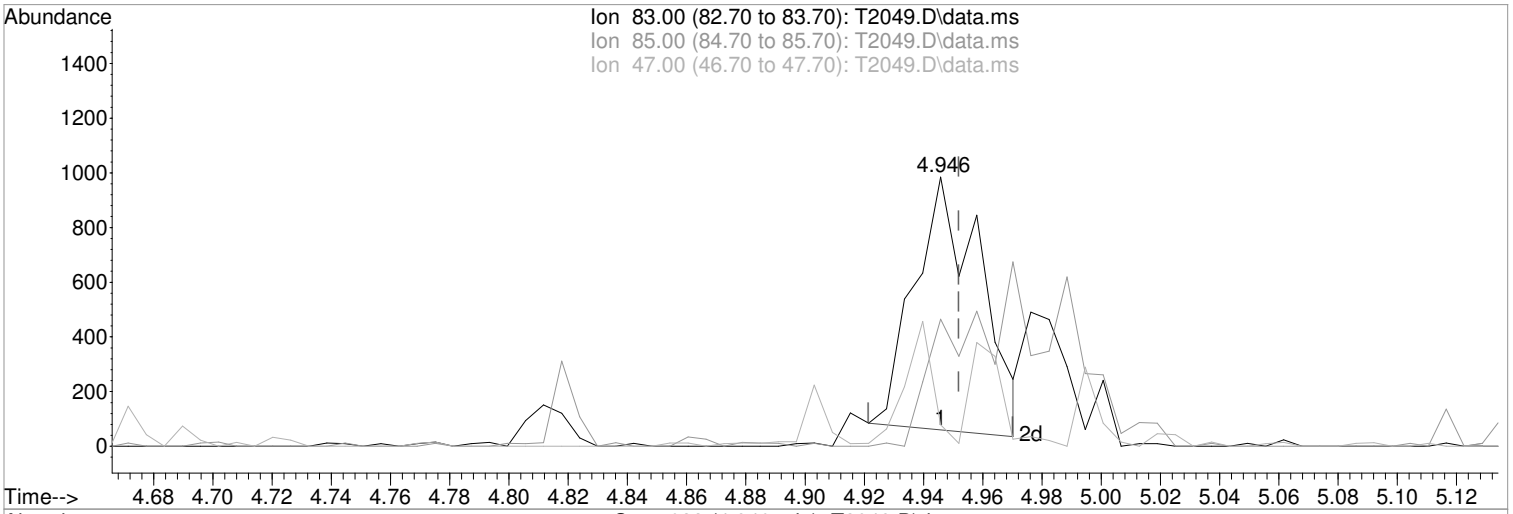
Poor integration.

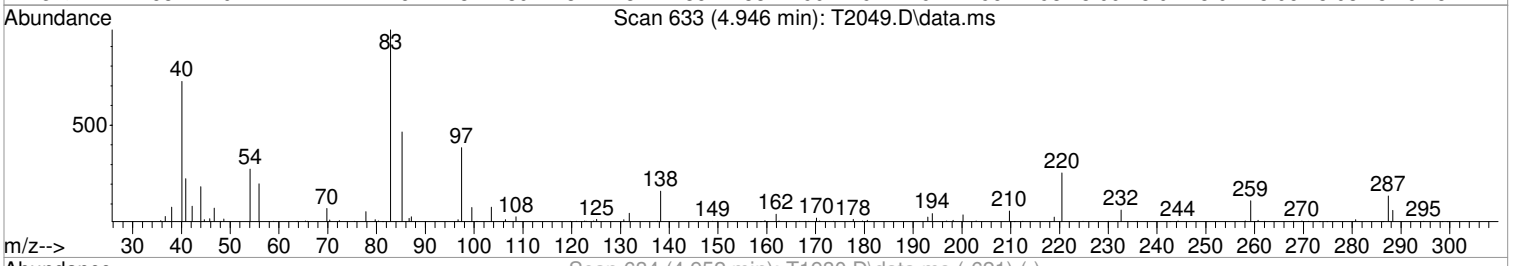
09/23/20

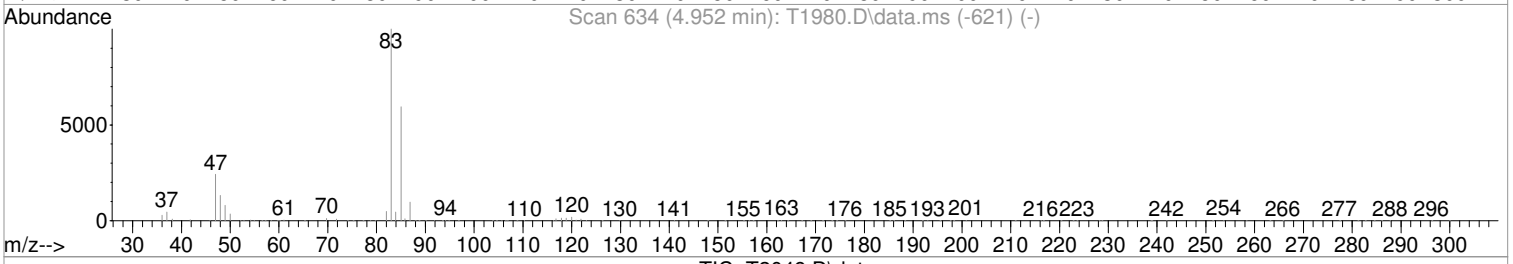
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2049.D
Acq On : 21 Sep 2020 5:38 pm
Operator : F.NAEGLER
Sample : R2008604-002|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 22 08:43:16 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2049.D\data.ms

(39) Chloroform (P)

4.946min (-0.006) 0.35 ug/L

response 1429

Ion	Exp%	Act%
83.00	100	100
85.00	59.50	47.26
47.00	24.20	8.03
0.00	0.00	0.00

Manual Integration:

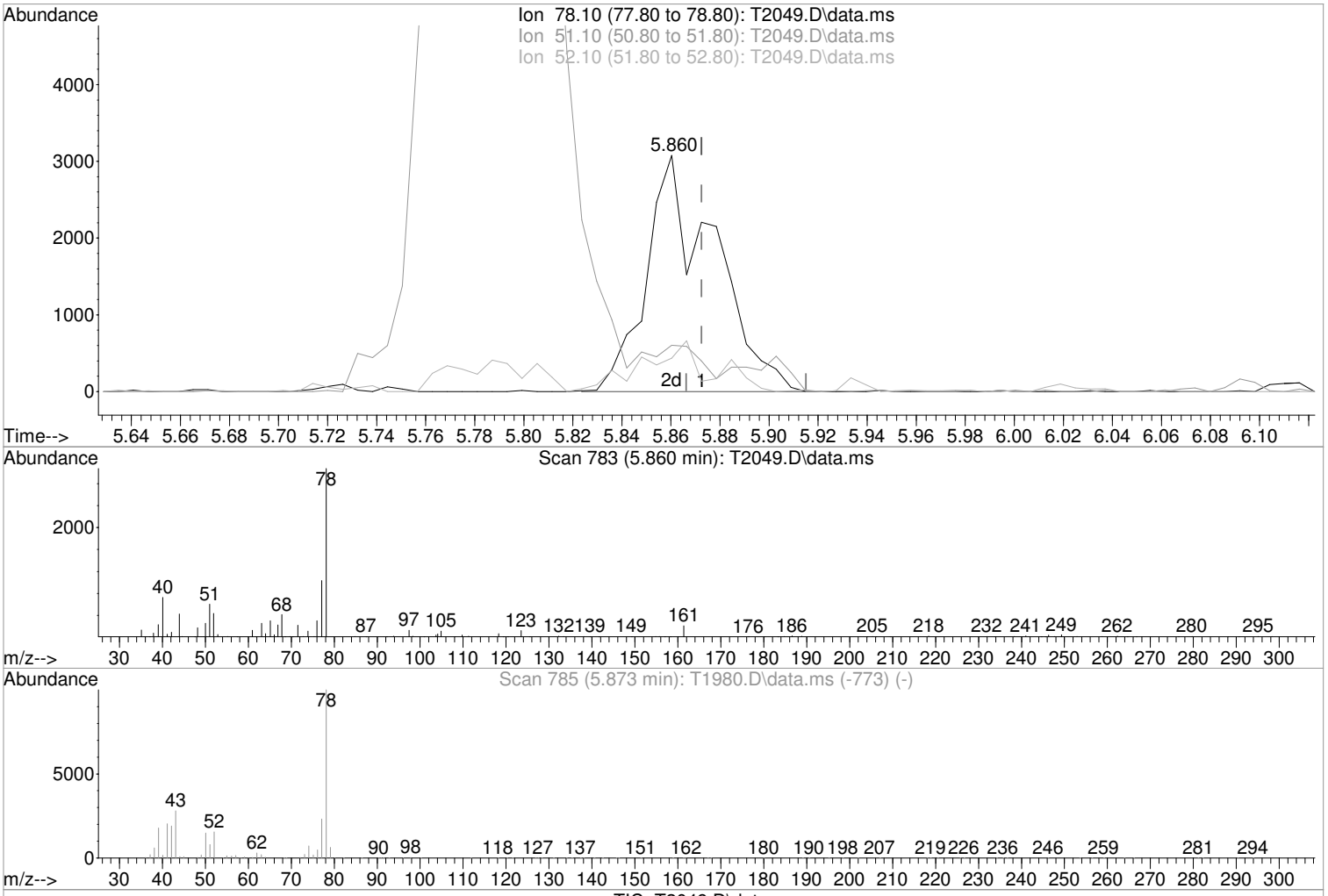
Before

09/23/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2049.D
Acq On : 21 Sep 2020 5:38 pm
Operator : F.NAEGLER
Sample : R2008604-002|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 22 08:43:16 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T2049.D\data.ms

(47) Benzene (P)

5.860min (-0.012) 0.60 ug/L m

response 5920

Ion	Exp%	Act%
78.10	100	100
51.10	17.50	19.60
52.10	15.70	14.11
0.00	0.00	0.00

Manual Integration:

After

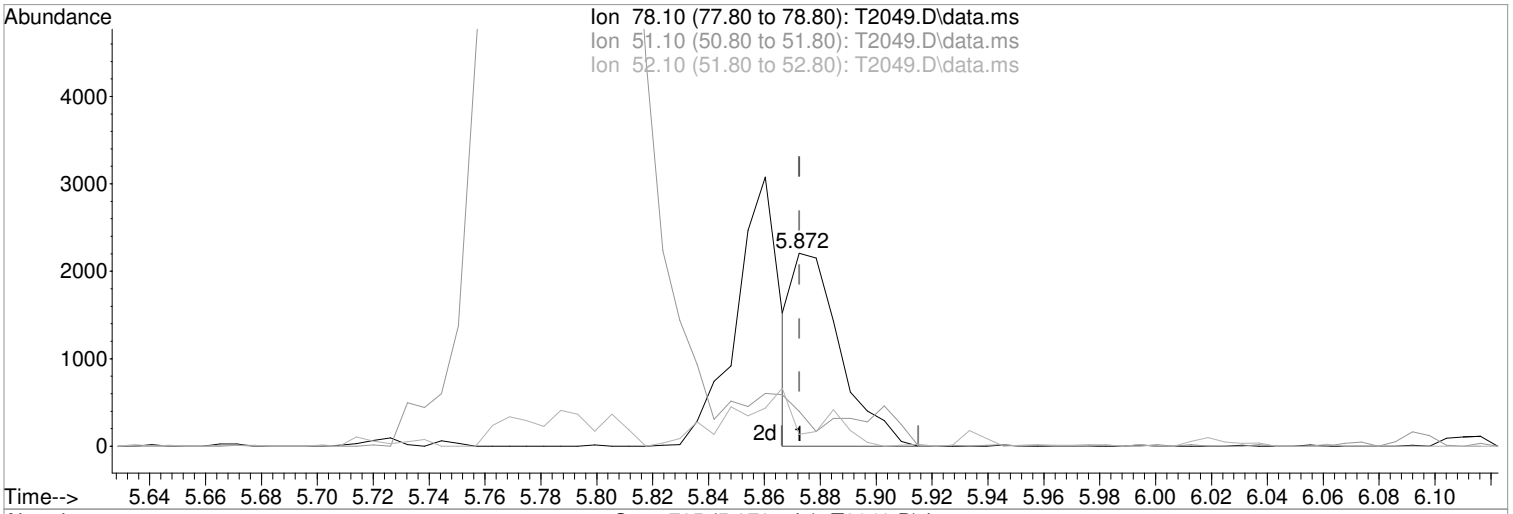
Poor integration.

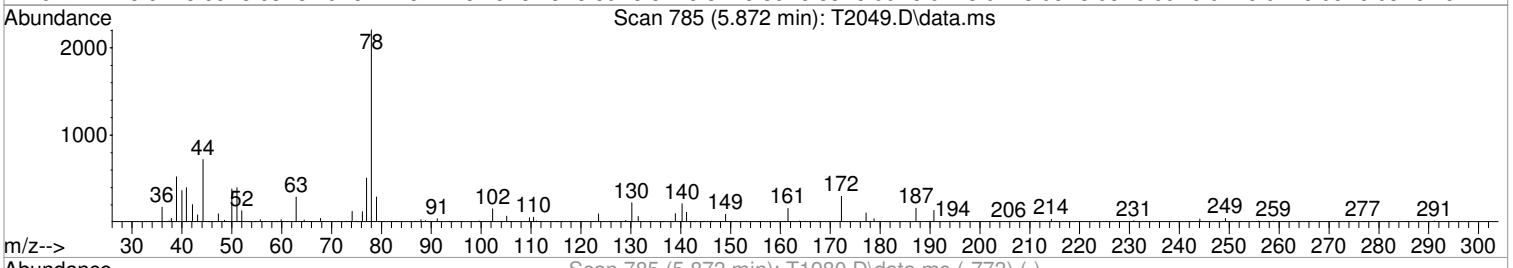
09/23/20

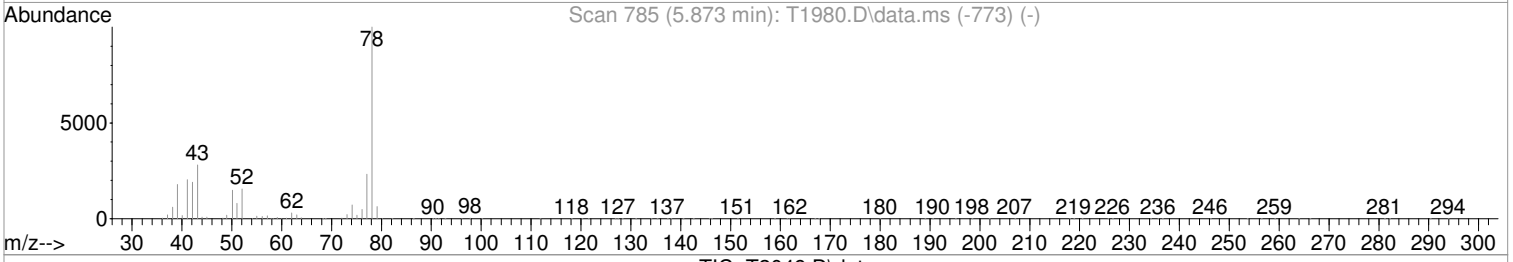
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2049.D
Acq On : 21 Sep 2020 5:38 pm
Operator : F.NAEGLER
Sample : R2008604-002|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 22 08:43:16 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2049.D\data.ms

(47) Benzene (P)

5.872min (-0.000) 0.27 ug/L

response 2617

Ion	Exp%	Act%
78.10	100	100
51.10	17.50	18.13
52.10	15.70	6.17
0.00	0.00	0.00

Manual Integration:

Before

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2049.D
Acq On : 21 Sep 2020 5:38 pm
Operator : F.NAEGLER
Sample : R2008604-002|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 11:14:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

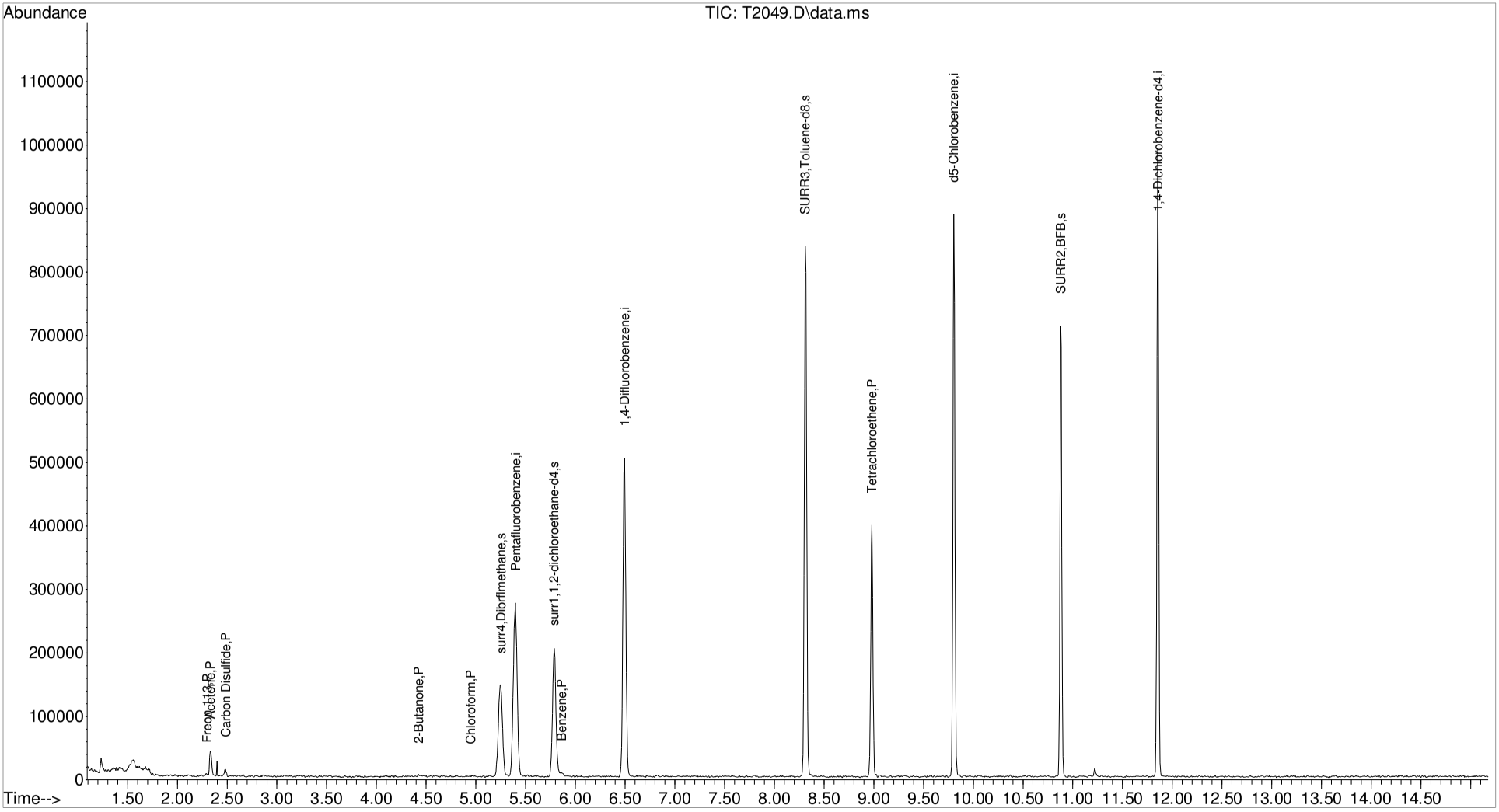
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	241463	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	402922	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	363596	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	171451	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	124128	50.72	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.44%			
46) surr1,1,2-dichloroetha...	5.781	65	163819	56.36	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 112.72%			
64) SURR3,Toluene-d8	8.311	98	499115	53.06	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 106.12%			
69) SURR2,BFB	10.878	95	183354	49.45	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.90%			
Target Compounds						Qvalue
14) Freon 113	2.300	101	962m	0.44	ug/L	
15) Acetone	2.330	43	41538	35.02	ug/L	97
18) Carbon Disulfide	2.483	76	10124	1.52	ug/L	88
21) Methyl Acetate	2.641	43	1126	Below Cal		70
34) 2-Butanone	4.428	43	3753	2.14	ug/L	80
39) Chloroform	4.946	83	2246m	0.55	ug/L	
42) Cyclohexane	5.415	41	281	Below Cal	#	1
47) Benzene	5.860	78	5920m	0.60	ug/L	
60) 2-Nitropropane	7.811	41	301	Below Cal	#	1
71) Tetrachloroethene	8.982	164	72721	38.10	ug/L	96

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

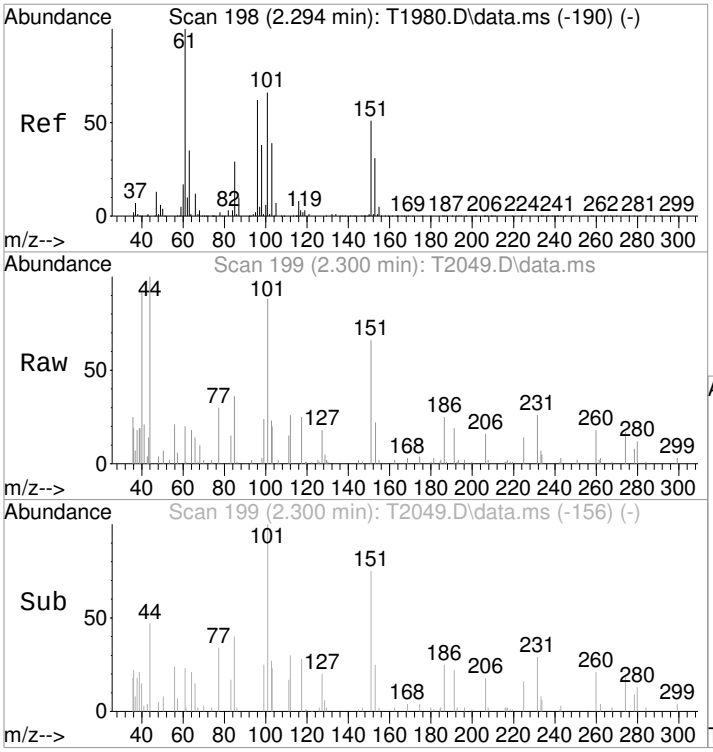
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2049.D
Acq On : 21 Sep 2020 5:38 pm
Operator : F.NAEGLER
Sample : R2008604-002|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 11:14:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



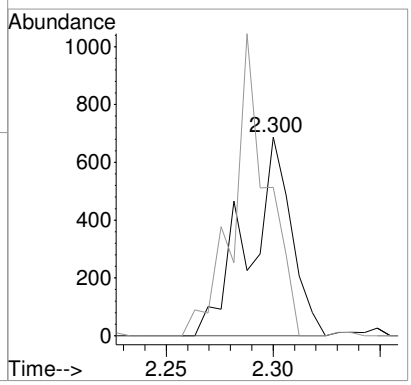
1st FJ 09/23/20

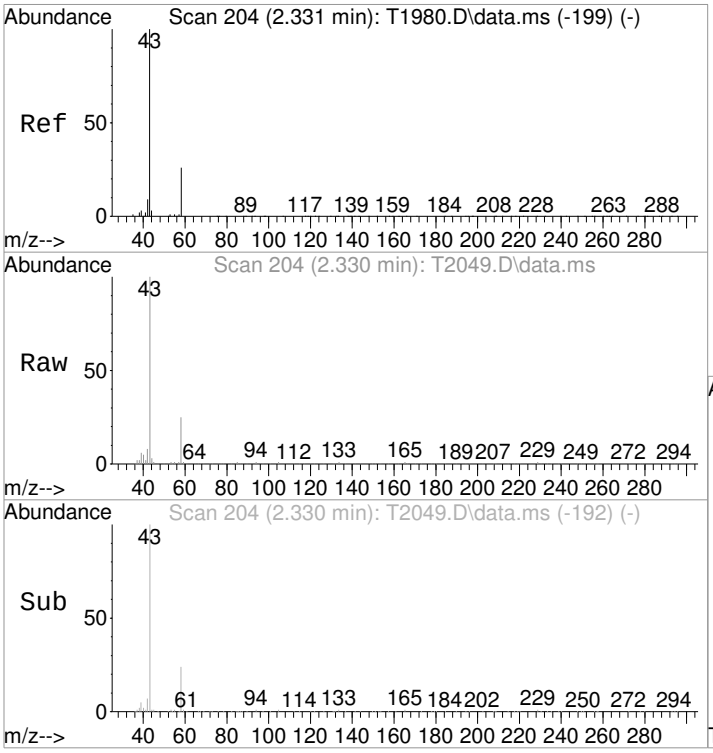


#14
Freon 113
Concen: 0.44 ug/L m
RT: 2.300 min Scan# 199
Delta R.T. 0.006 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion:101 Resp: 962

Ion	Ratio	Lower	Upper
101	100		
151	74.7	57.8	97.8

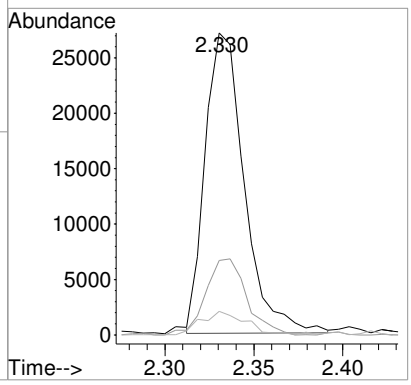


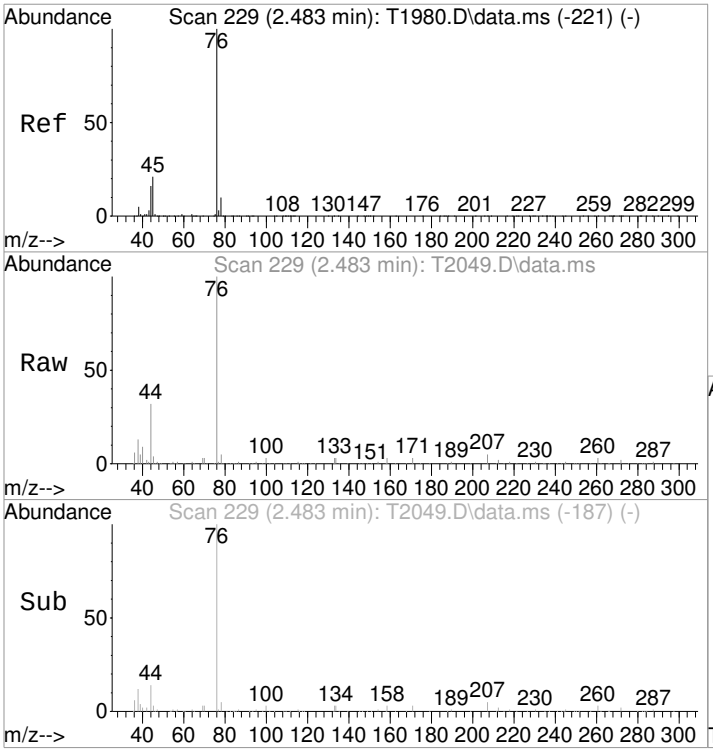


#15
Acetone
Concen: 35.02 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion: 43 Resp: 41538

Ion	Ratio	Lower	Upper
43	100		
58	24.6	6.1	46.1
42	7.8	0.0	29.3

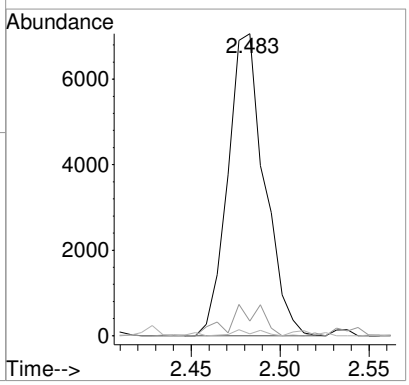


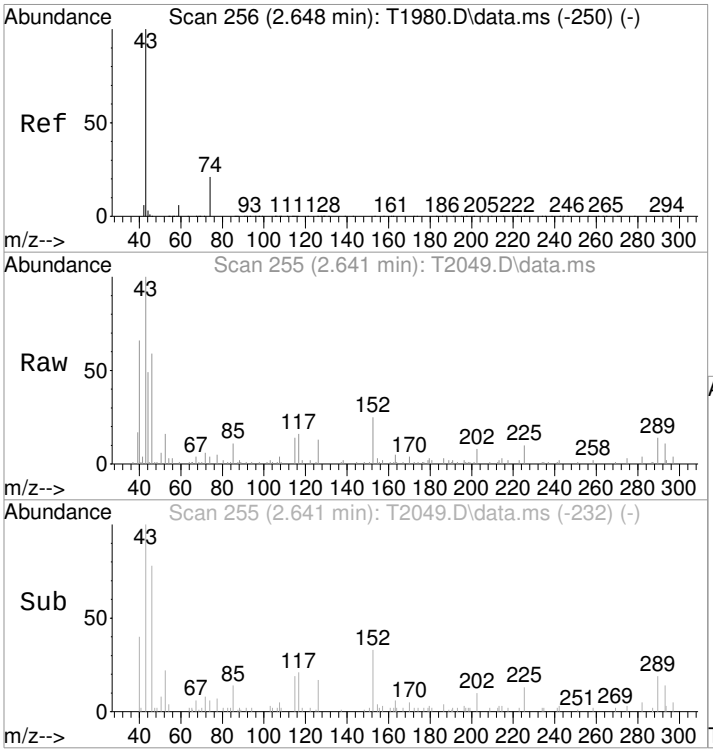


#18
Carbon Disulfide
Concen: 1.52 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion: 76 Resp: 10124

Ion	Ratio	Lower	Upper
76	100		
78	4.8	0.0	29.6
77	0.6	0.0	22.5

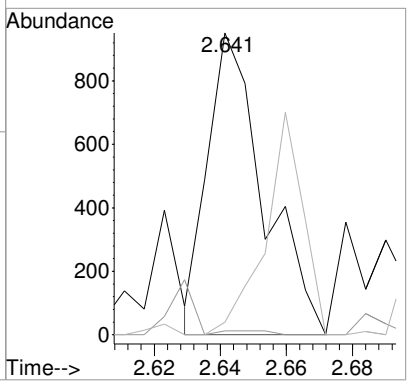


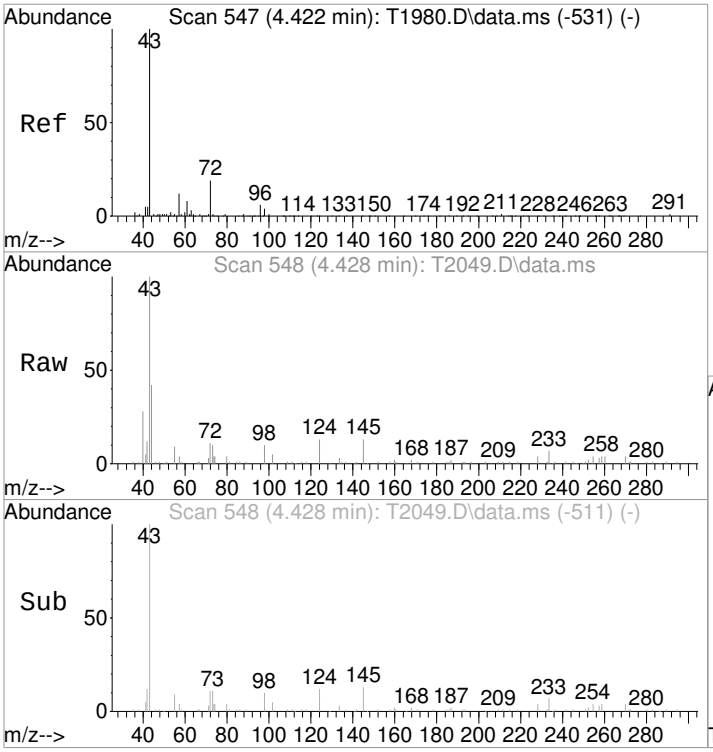


#21
Methyl Acetate
Concen: Below Cal
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion: 43 Resp: 1126

Ion	Ratio	Lower	Upper
43	100		
59	1.3	0.0	26.4
74	4.2	0.6	40.6

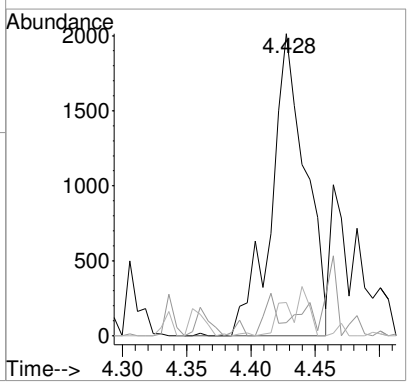


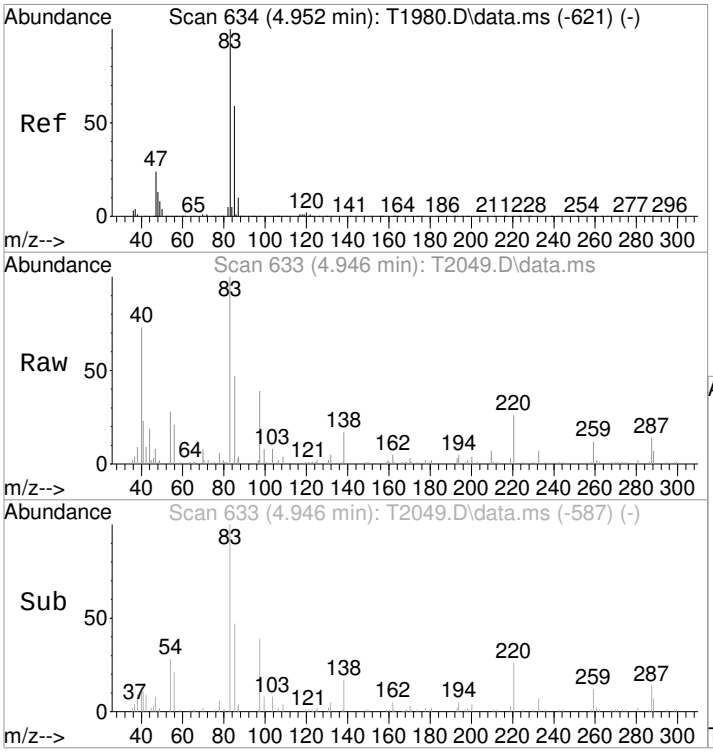


#34
2-Butanone
Concen: 2.14 ug/L
RT: 4.428 min Scan# 548
Delta R.T. 0.006 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion: 43 Resp: 3753

Ion	Ratio	Lower	Upper
43	100		
57	4.3	0.0	32.7
72	11.0	0.0	39.4

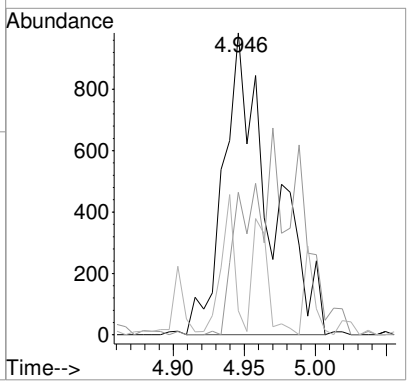


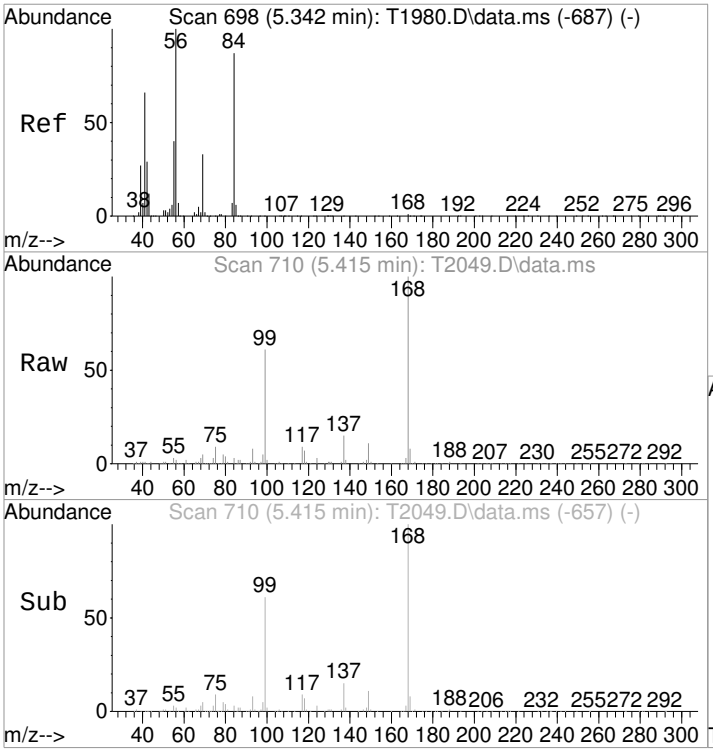


#39
Chloroform
Concen: 0.55 ug/L m
RT: 4.946 min Scan# 633
Delta R.T. -0.006 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion: 83 Resp: 2246

Ion	Ratio	Lower	Upper
83	100		
85	47.3	39.5	79.5
47	8.0	4.2	44.2

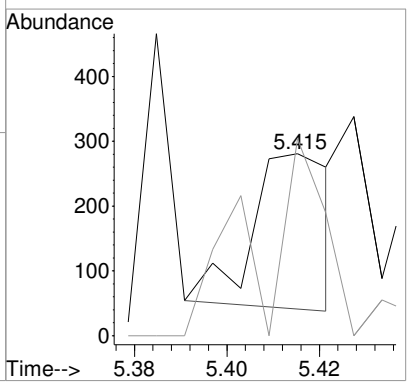


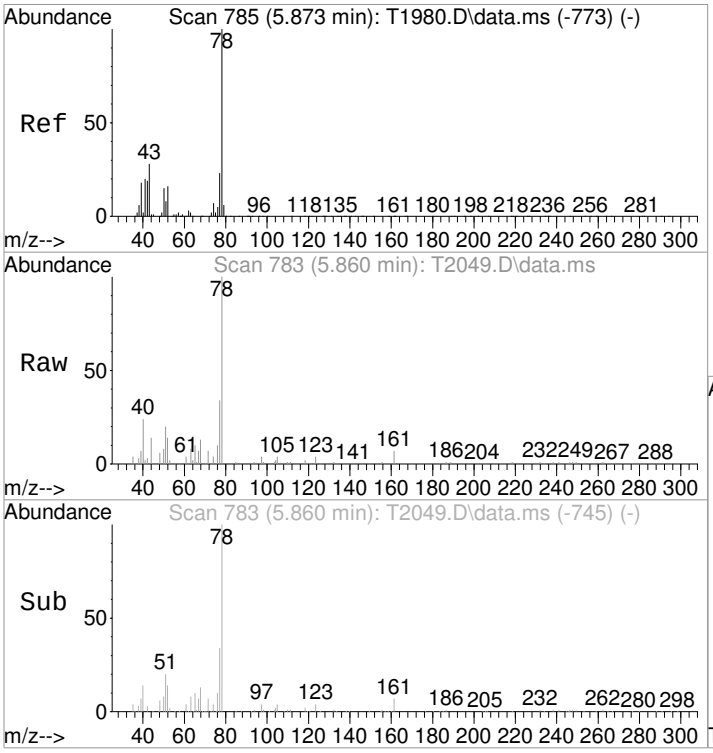


#42
Cyclohexane
Concen: Below Cal
RT: 5.415 min Scan# 710
Delta R.T. 0.073 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion: 41 Resp: 281

Ion	Ratio	Lower	Upper
41	100		
39	108.2	21.9	61.9#

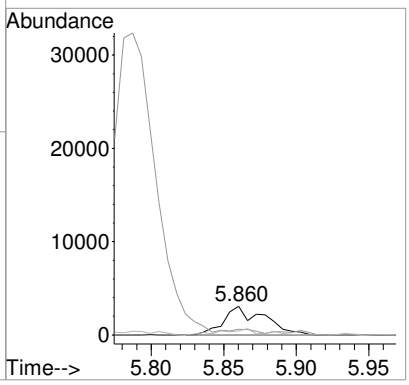


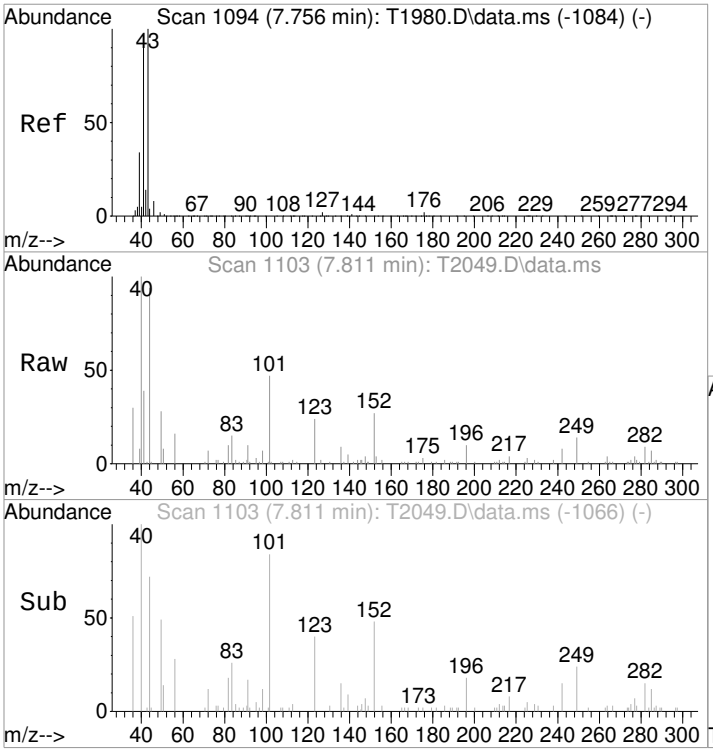


#47
Benzene
Concen: 0.60 ug/L m
RT: 5.860 min Scan# 783
Delta R.T. -0.012 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion: 78 Resp: 5920

Ion	Ratio	Lower	Upper
78	100		
51	19.6	0.0	37.5
52	14.1	0.0	35.7

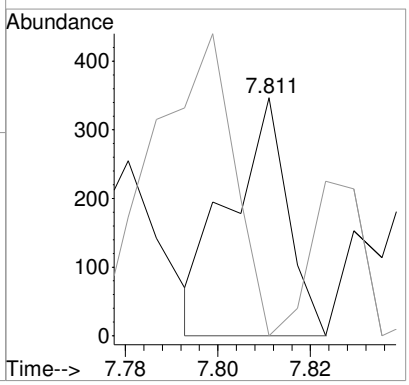


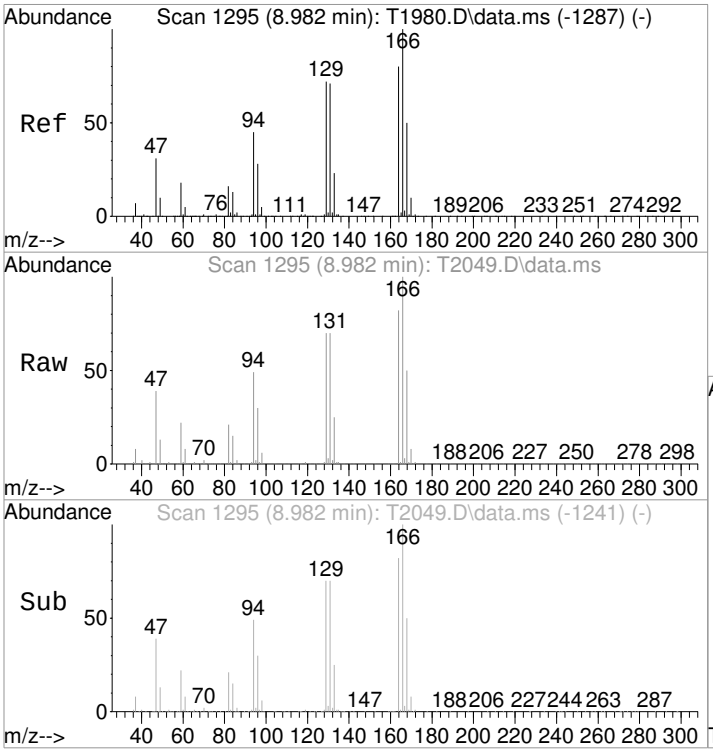


#60
2-Nitropropane
Concen: Below Cal
RT: 7.811 min Scan# 1103
Delta R.T. 0.055 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion: 41 Resp: 301

Ion	Ratio	Lower	Upper
41	100		
43	0.0	84.5	124.5#

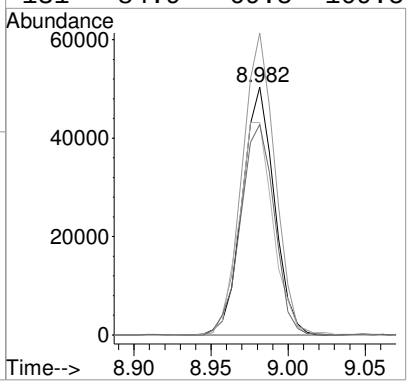




#71
Tetrachloroethene
Concen: 38.10 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: T2049.D
Acq: 21 Sep 2020 5:38 pm

Tgt Ion:164 Resp: 72721

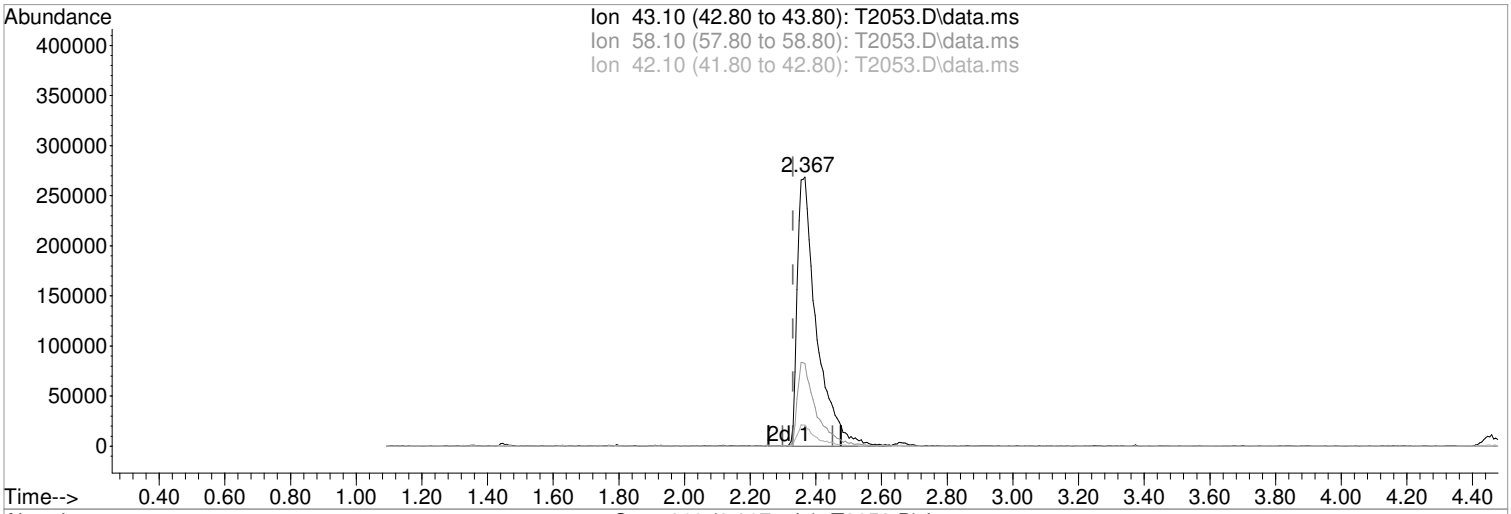
Ion	Ratio	Lower	Upper
164	100		
166	121.8	105.6	145.6
129	85.7	69.9	109.9
131	84.9	69.5	109.5

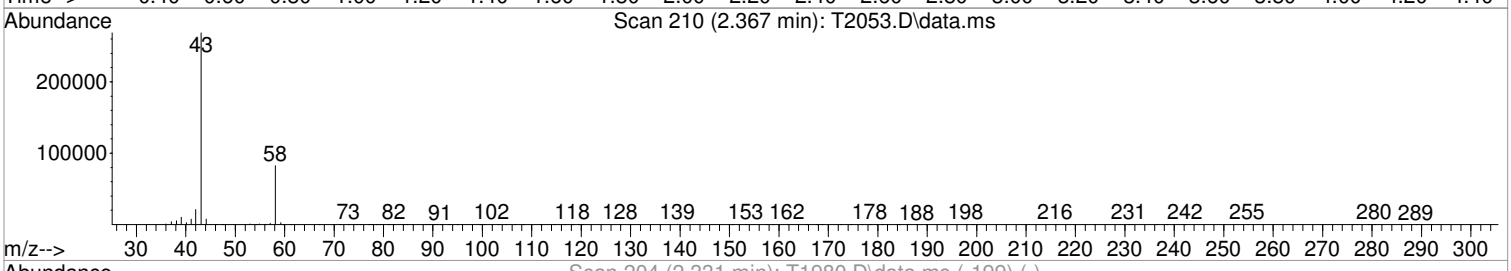


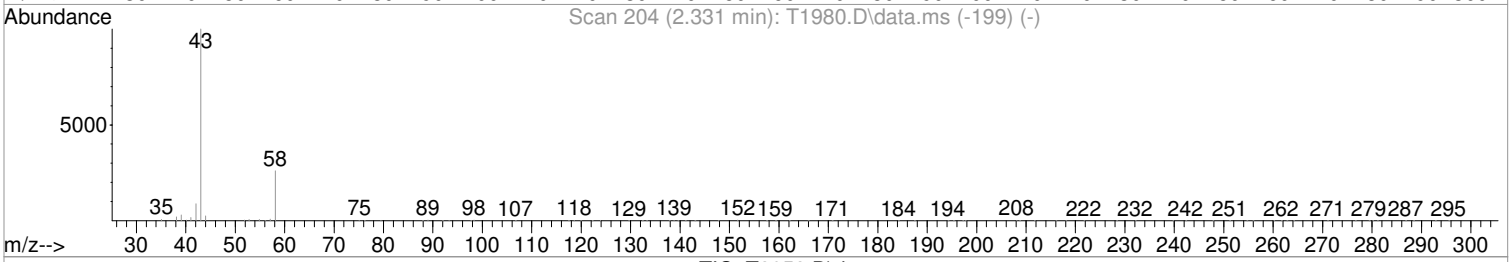
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2053.D
Acq On : 21 Sep 2020 7:06 pm
Operator : F.NAEGLER
Sample : R2008604-003|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 22 08:44:36 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2053.D\data.ms

(15) Acetone (P)

2.367min (+0.036) 934.89 ug/L m

response 1099229

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	30.71
42.10	9.30	7.89
0.00	0.00	0.00

Manual Integration:

After

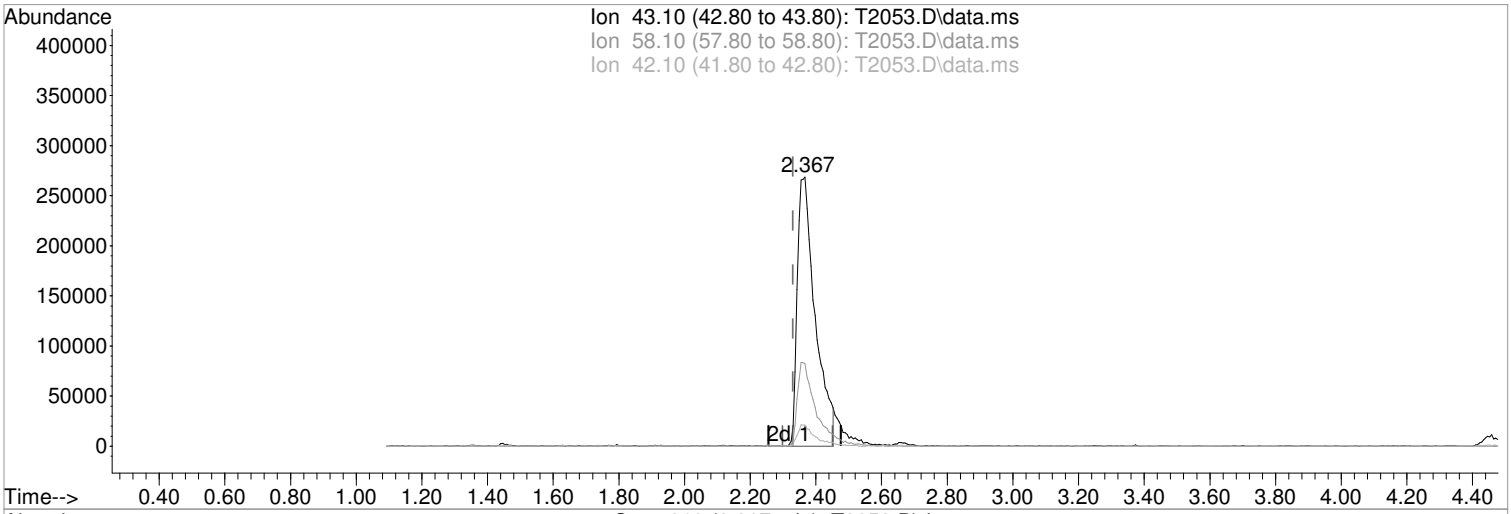
Poor integration.

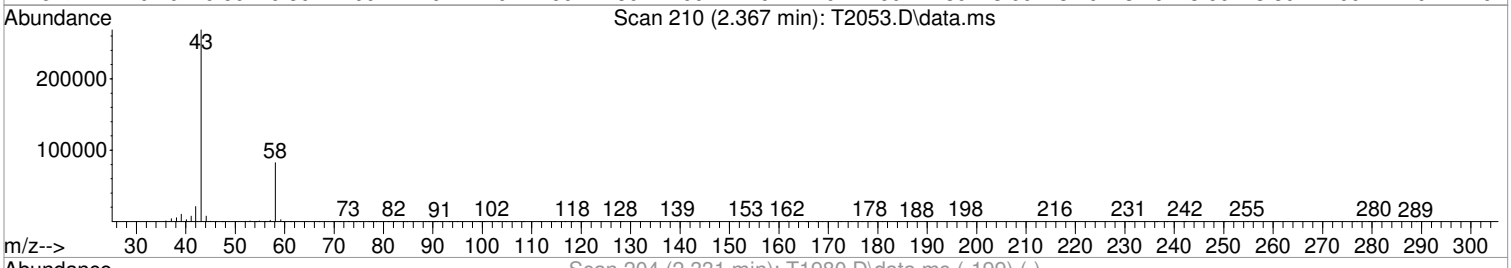
09/23/20

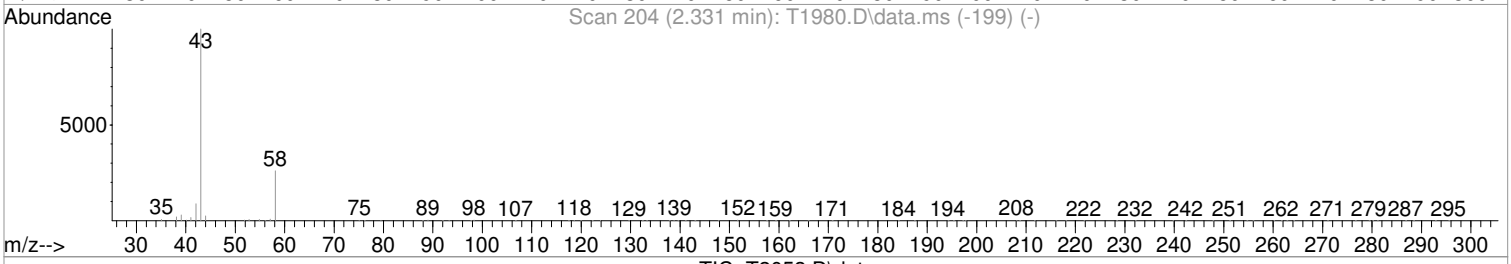
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2053.D
Acq On : 21 Sep 2020 7:06 pm
Operator : F.NAEGLER
Sample : R2008604-003|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 22 08:44:36 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2053.D\data.ms

(15) Acetone (P)

2.367min (+0.036) 865.46 ug/L

response 1017590

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	30.71
42.10	9.30	7.89
0.00	0.00	0.00

Manual Integration:

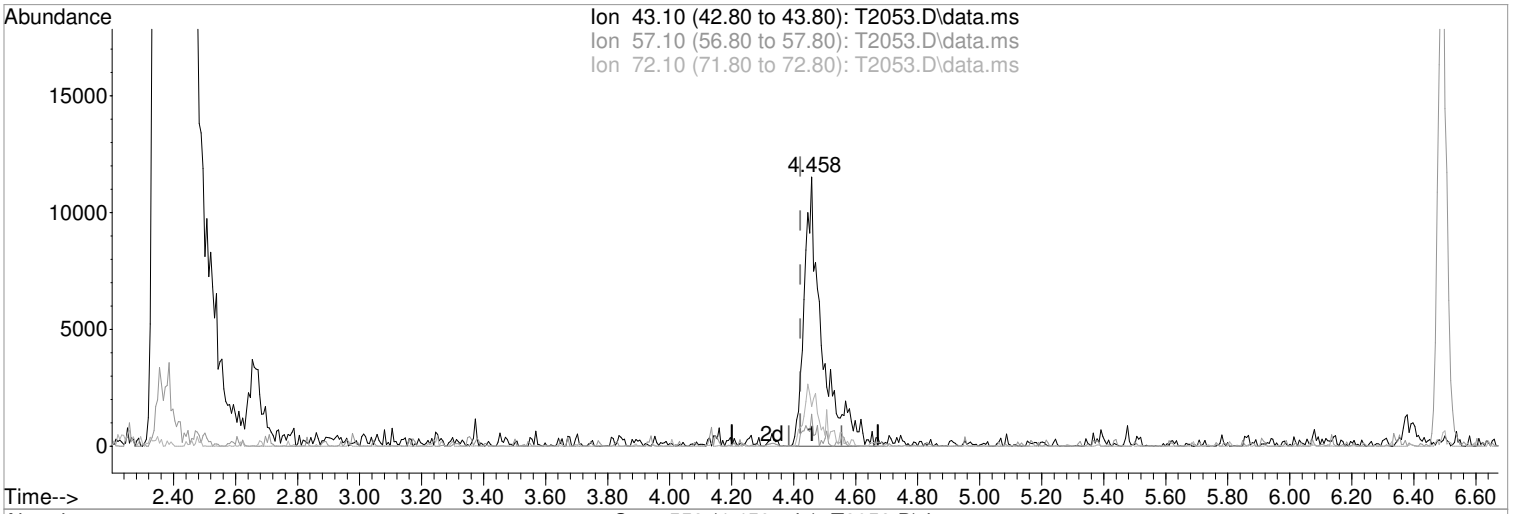
Before

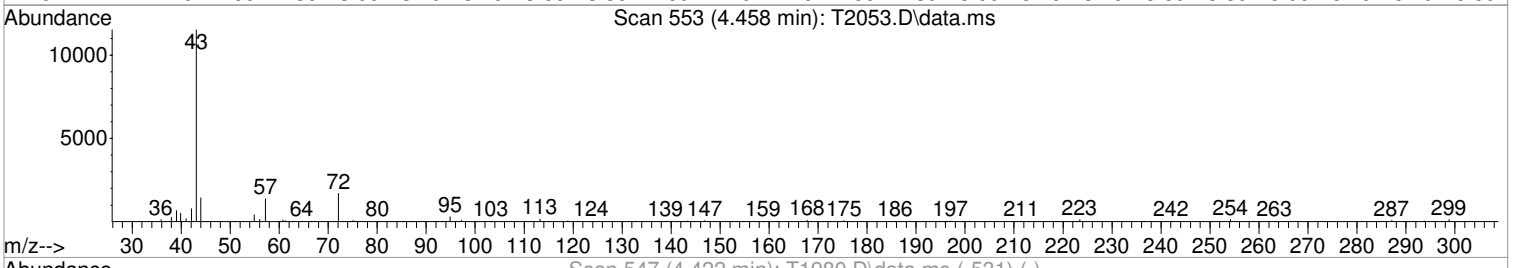
09/23/20

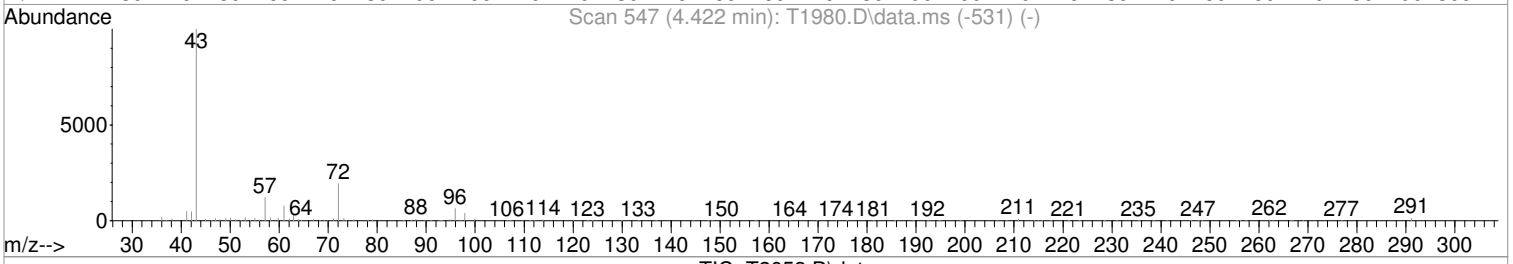
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2053.D
Acq On : 21 Sep 2020 7:06 pm
Operator : F.NAEGLER
Sample : R2008604-003|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 22 08:44:36 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2053.D\data.ms

(34) 2-Butanone (P)

4.458min (+0.036) 26.78 ug/L m

response 46555

Ion	Exp%	Act%
43.10	100	100
57.10	12.70	11.87
72.10	19.40	14.75
0.00	0.00	0.00

Manual Integration:

After

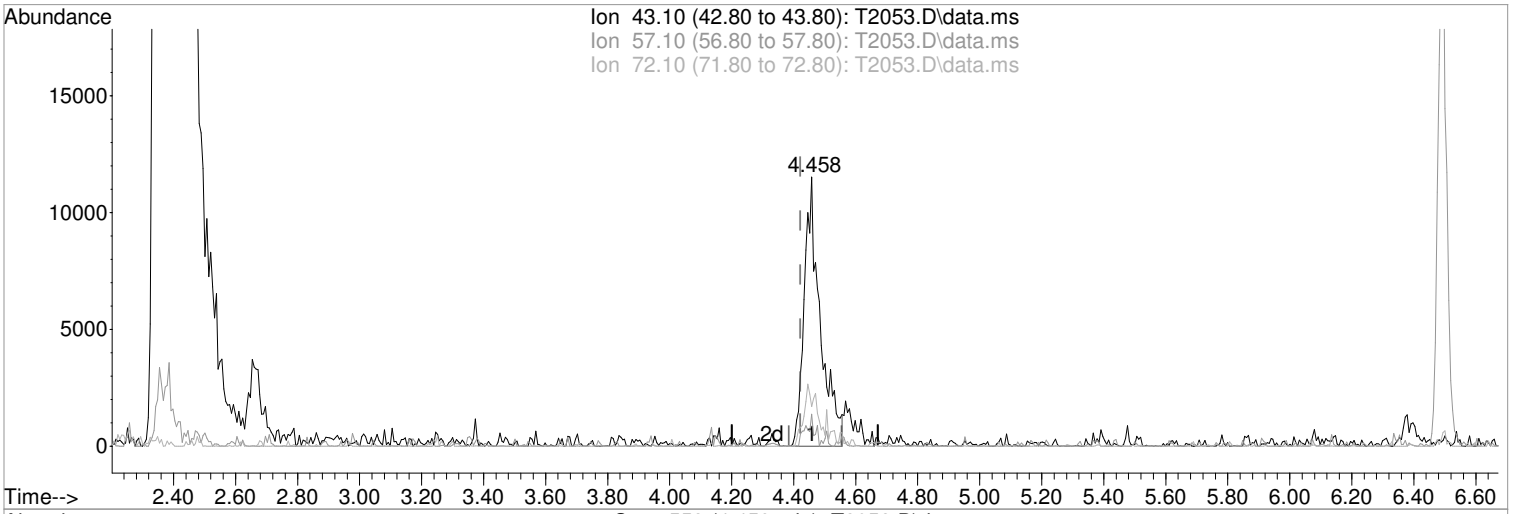
Poor integration.

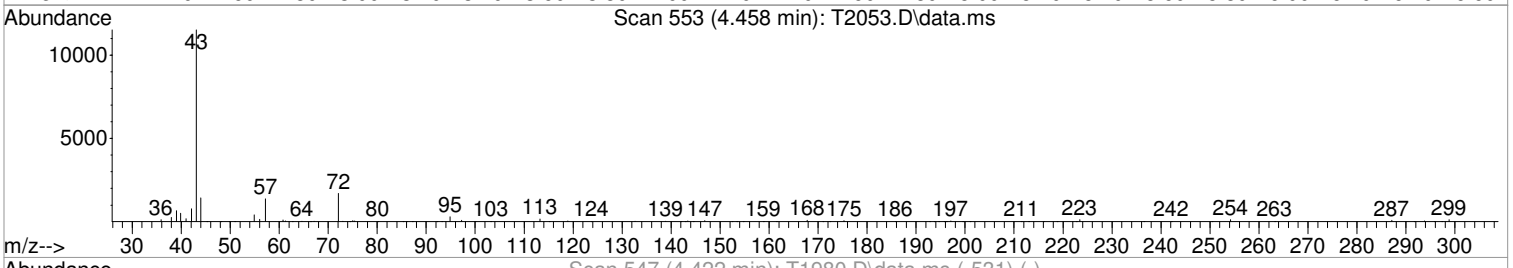
09/23/20

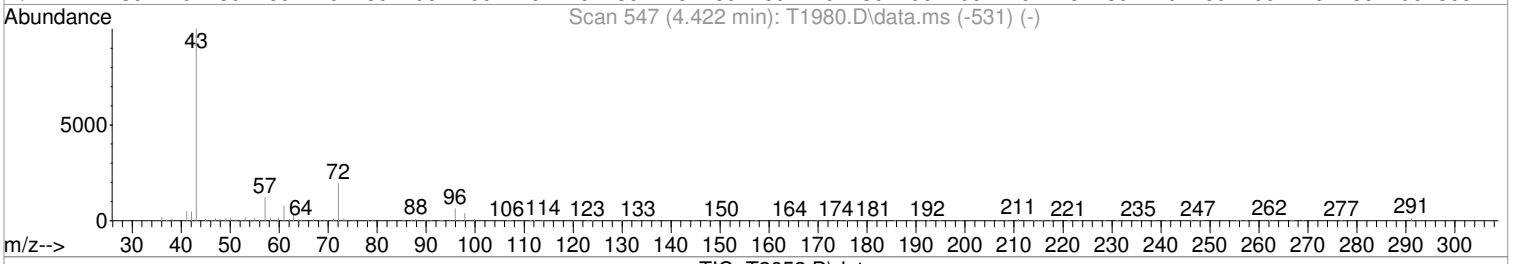
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2053.D
Acq On : 21 Sep 2020 7:06 pm
Operator : F.NAEGLER
Sample : R2008604-003|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 22 08:44:36 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2053.D\data.ms

(34) 2-Butanone (P)

4.458min (+0.036) 23.72 ug/L

response 41235

Ion	Exp%	Act%
43.10	100	100
57.10	12.70	11.87
72.10	19.40	14.75
0.00	0.00	0.00

Manual Integration:

Before

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2053.D
Acq On : 21 Sep 2020 7:06 pm
Operator : F.NAEGLER
Sample : R2008604-003|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 15:15:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

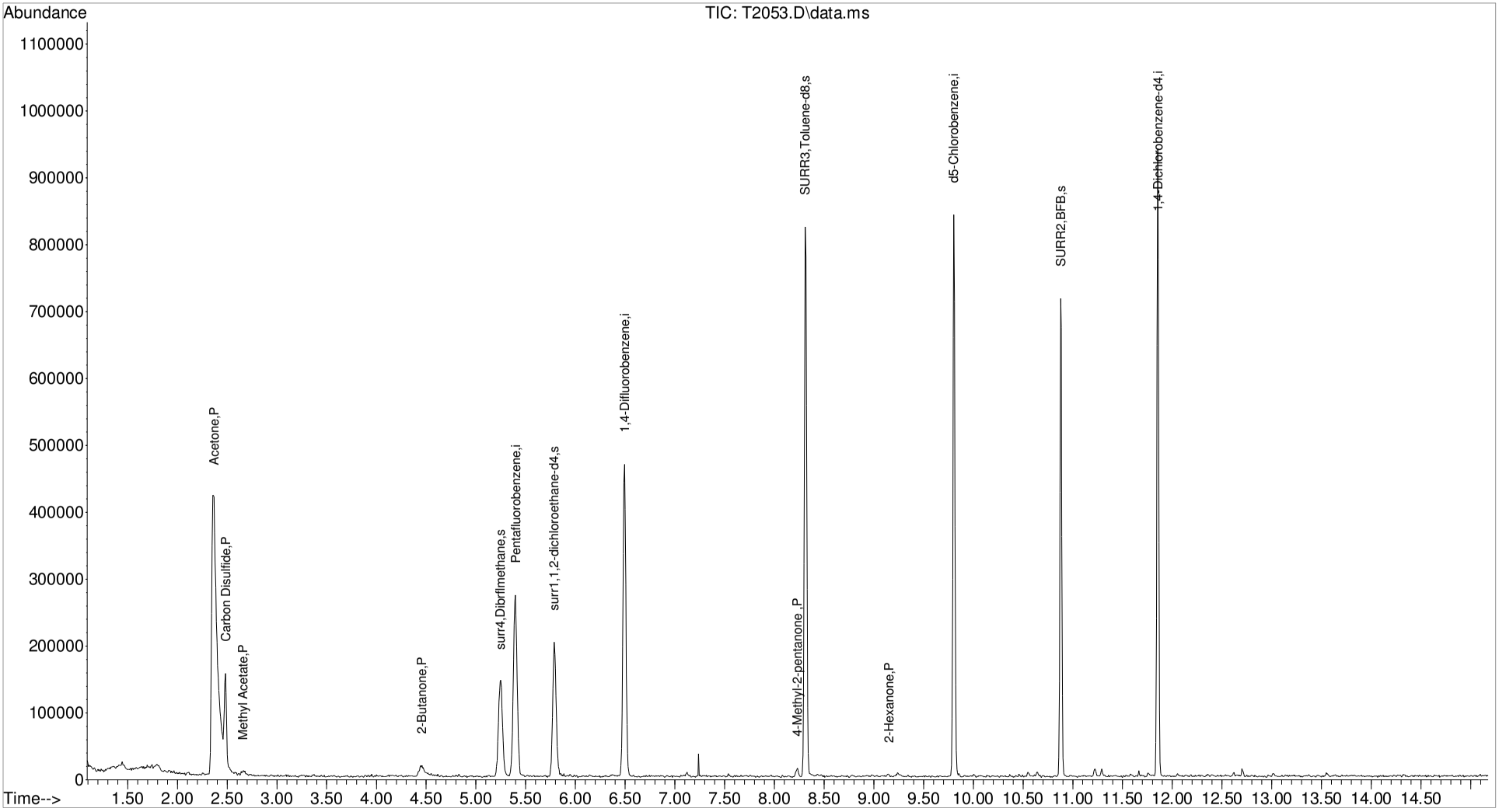
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.397	168	239378	50.00	ug/L	0.00	
41) 1,4-Difluorobenzene	6.494	114	376634	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.805	117	342214	50.00	ug/L	0.00	
90) 1,4-Dichlorobenzene-d4	11.853	152	161819	50.00	ug/L	0.00	
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	123540	54.00	ug/L	0.00	
Spiked Amount 50.000	Range 89 - 119		Recovery = 108.00%				
46) surr1,1,2-dichloroetha...	5.787	65	166389	61.24	ug/L	0.00	
Spiked Amount 50.000	Range 73 - 125		Recovery = 122.48%				
64) SURR3,Toluene-d8	8.311	98	489147	55.63	ug/L	0.00	
Spiked Amount 50.000	Range 87 - 121		Recovery = 111.26%				
69) SURR2,BFB	10.877	95	177906	51.33	ug/L	0.00	
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.66%				
Target Compounds						Qvalue	
10) Freon 123a	2.007	67	266	Below Cal	#	20	
15) Acetone	2.367	43	1099229m	934.89	ug/L		NT
18) Carbon Disulfide	2.483	76	135387	20.47	ug/L	99	
21) Methyl Acetate	2.653	43	6264	1.26	ug/L	92	
34) 2-Butanone	4.458	43	46555m	26.78	ug/L		
38) Tetrahydrofuran	4.781	42	263	Below Cal	#	37	
42) Cyclohexane	5.403	41	284	Below Cal		99	
60) 2-Nitropropane	7.768	41	784	Below Cal	#	4	
63) 4-Methyl-2-pentanone	8.232	43	8237	2.35	ug/L	84	
72) 2-Hexanone	9.152	43	2652	1.08	ug/L	71	

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

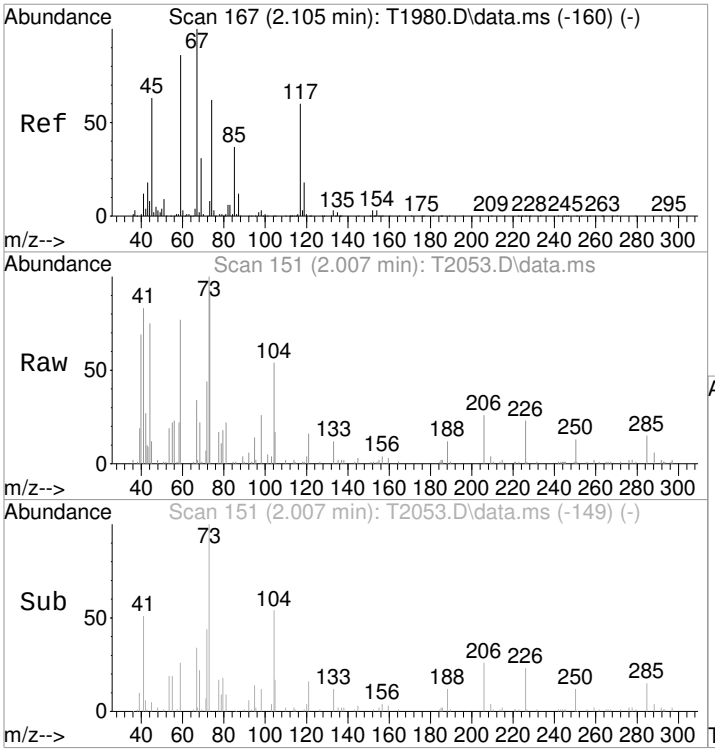
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2053.D
Acq On : 21 Sep 2020 7:06 pm
Operator : F.NAEGLER
Sample : R2008604-003|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 15:15:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



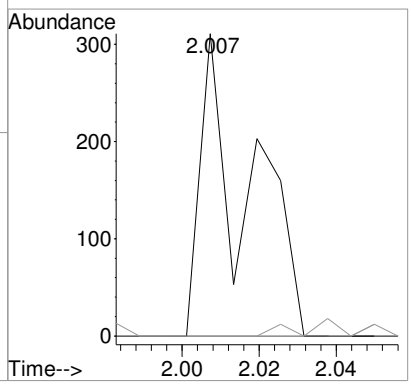
1st FJ 09/23/20

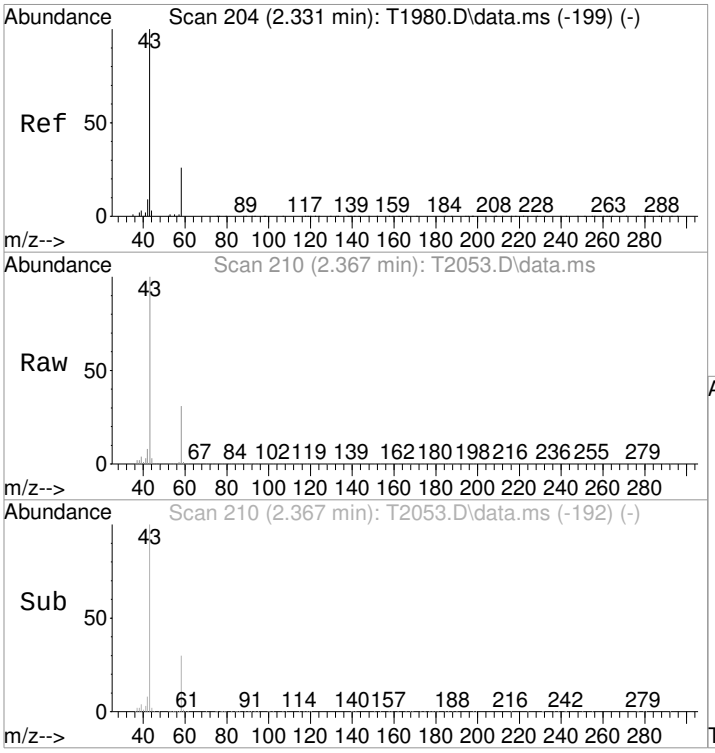


#10
Freon 123a
Concen: Below Cal
RT: 2.007 min Scan# 151
Delta R.T. -0.098 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 67 Resp: 266

Ion	Ratio	Lower	Upper
67	100		
117	0.0	40.7	80.7#

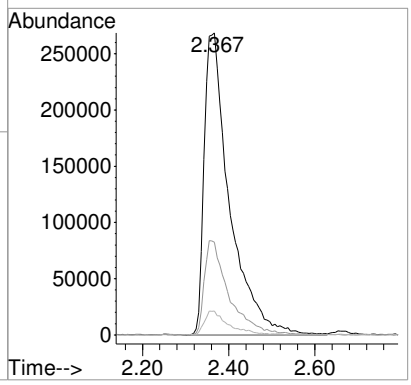


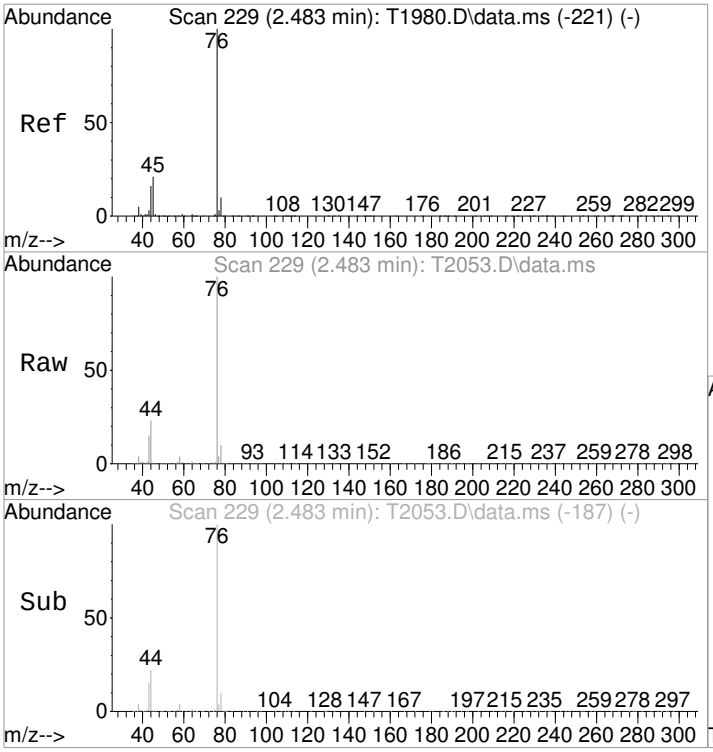


#15
Acetone
Concen: 934.89 ug/L m
RT: 2.367 min Scan# 210
Delta R.T. 0.036 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 43 Resp: 1099229

Ion	Ratio	Lower	Upper
43	100		
58	30.7	6.1	46.1
42	7.9	0.0	29.3

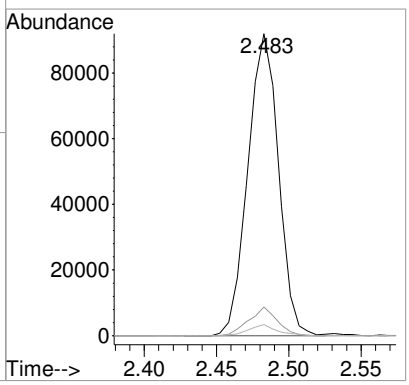


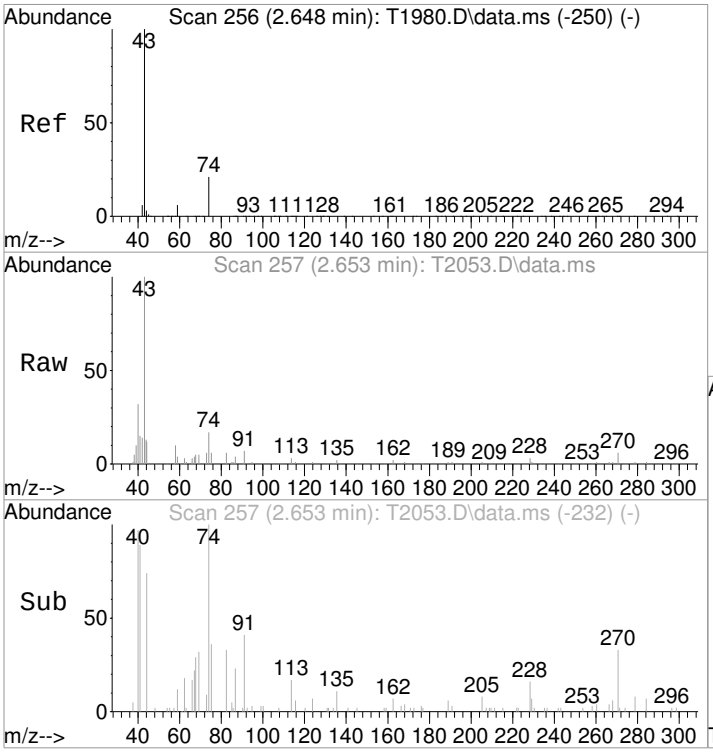


#18
Carbon Disulfide
Concen: 20.47 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 76 Resp: 135387

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	29.6
77	3.7	0.0	22.5

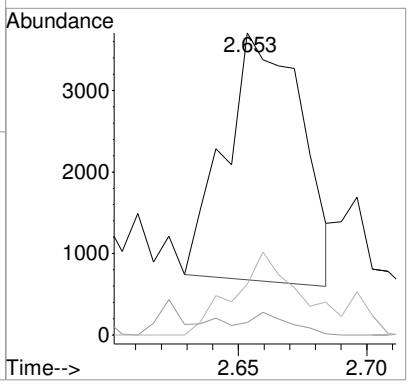


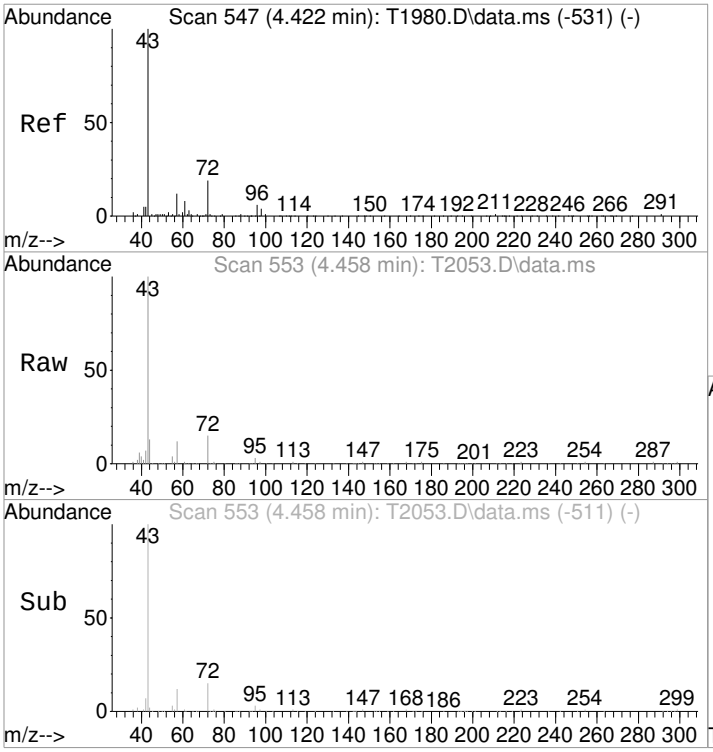


#21
Methyl Acetate
Concen: 1.26 ug/L
RT: 2.653 min Scan# 257
Delta R.T. 0.006 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 43 Resp: 6264

Ion	Ratio	Lower	Upper
43	100		
59	4.1	0.0	26.4
74	16.8	0.6	40.6

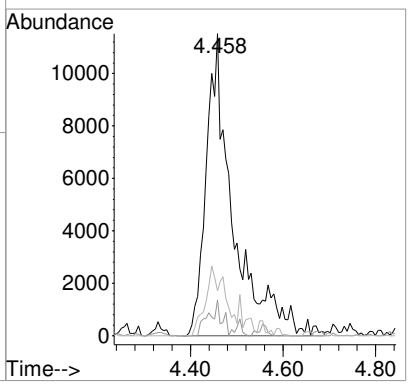


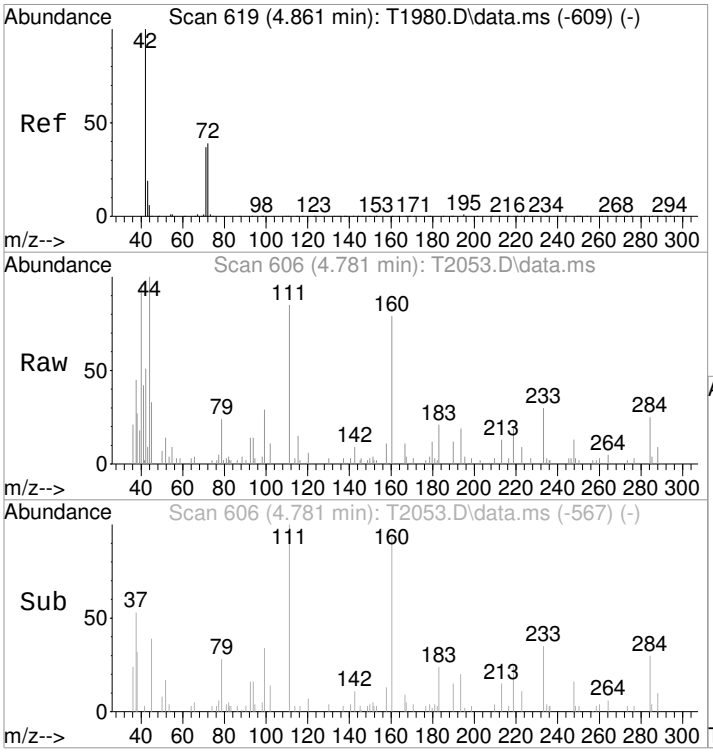


#34
2-Butanone
Concen: 26.78 ug/L m
RT: 4.458 min Scan# 553
Delta R.T. 0.036 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 43 Resp: 46555

Ion	Ratio	Lower	Upper
43	100		
57	11.9	0.0	32.7
72	14.8	0.0	39.4

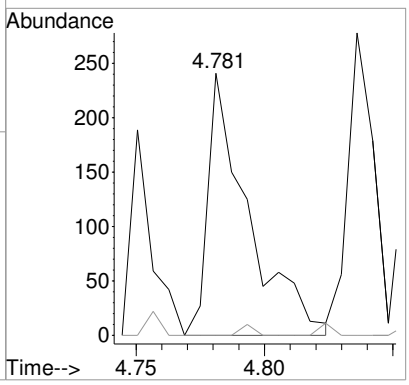


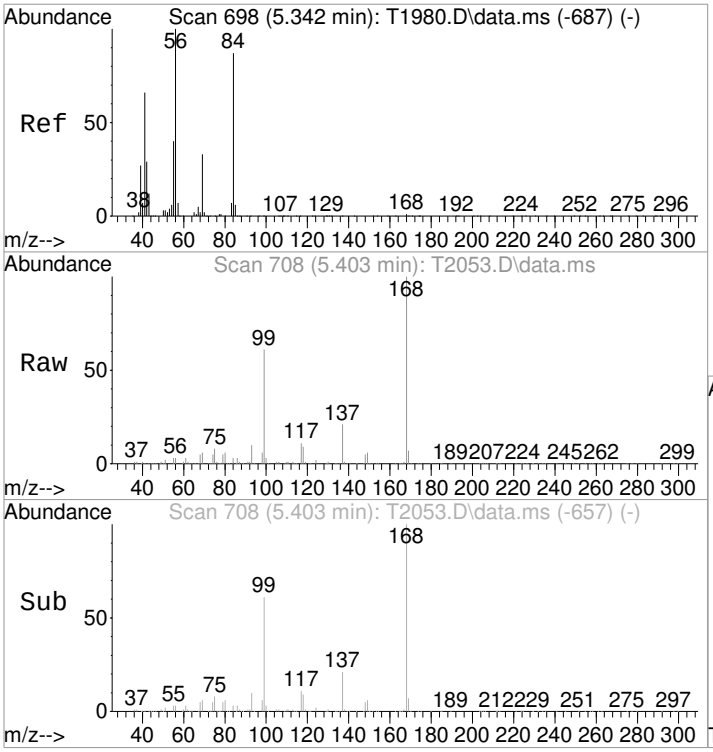


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.781 min Scan# 606
Delta R.T. -0.079 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 42 Resp: 263

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

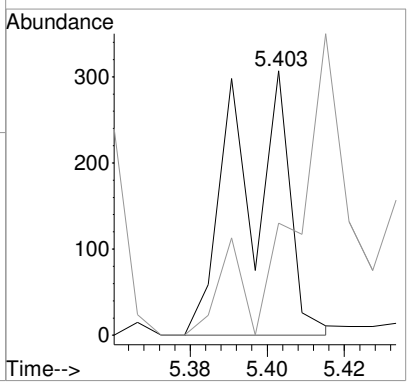


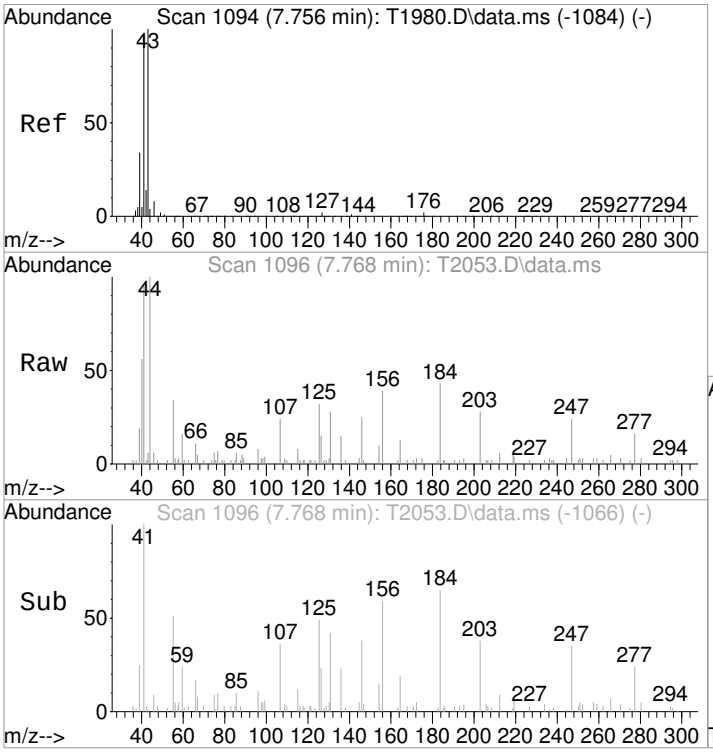


#42
Cyclohexane
Concen: Below Cal
RT: 5.403 min Scan# 708
Delta R.T. 0.061 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 41 Resp: 284

Ion	Ratio	Lower	Upper
41	100		
39	42.3	21.9	61.9

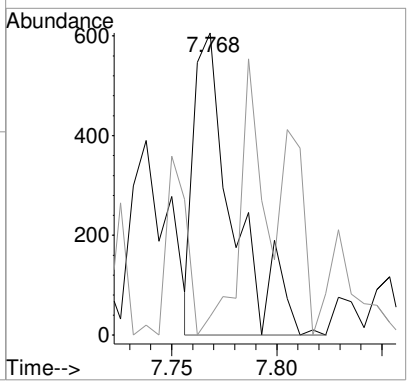


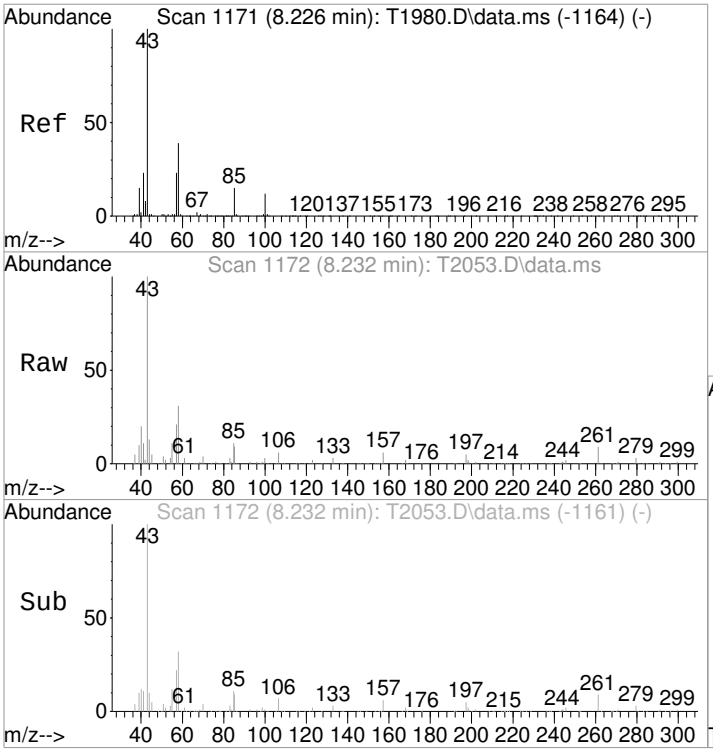


#60
2-Nitropropane
Concen: Below Cal
RT: 7.768 min Scan# 1096
Delta R.T. 0.012 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 41 Resp: 784

Ion	Ratio	Lower	Upper
41	100		
43	6.1	84.5	124.5#

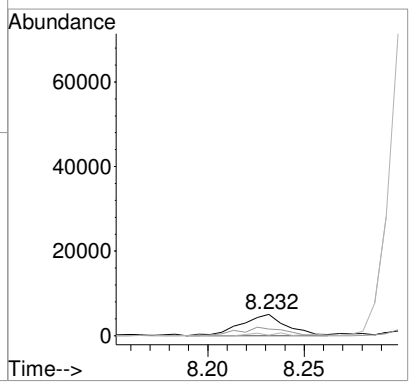


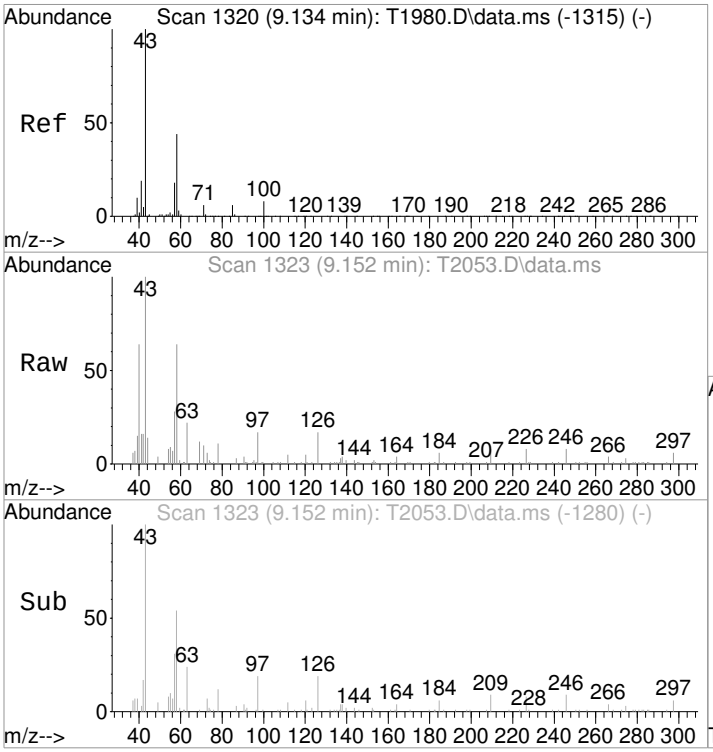


#63
4-Methyl-2-pentanone
Concen: 2.35 ug/L
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 43 Resp: 8237

Ion	Ratio	Lower	Upper
43	100		
58	30.9	19.3	59.3
100	3.2	0.0	31.8

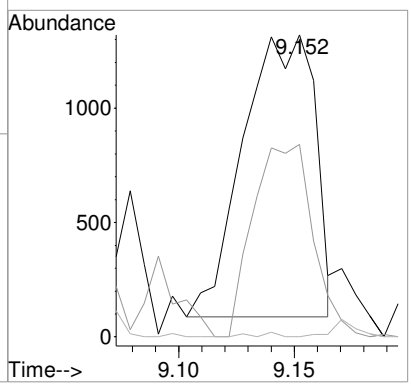




#72
2-Hexanone
Concen: 1.08 ug/L
RT: 9.152 min Scan# 1323
Delta R.T. 0.018 min
Lab File: T2053.D
Acq: 21 Sep 2020 7:06 pm

Tgt Ion: 43 Resp: 2652

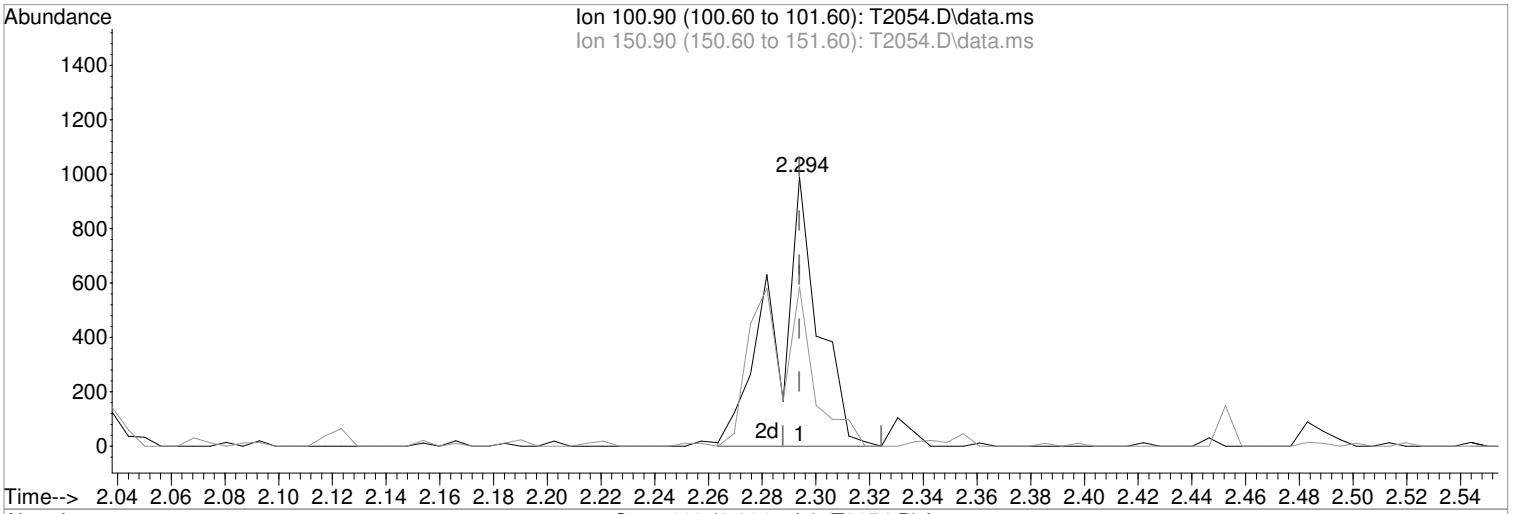
Ion	Ratio	Lower	Upper
43	100		
58	63.7	24.1	64.1
100	0.0	0.0	28.0

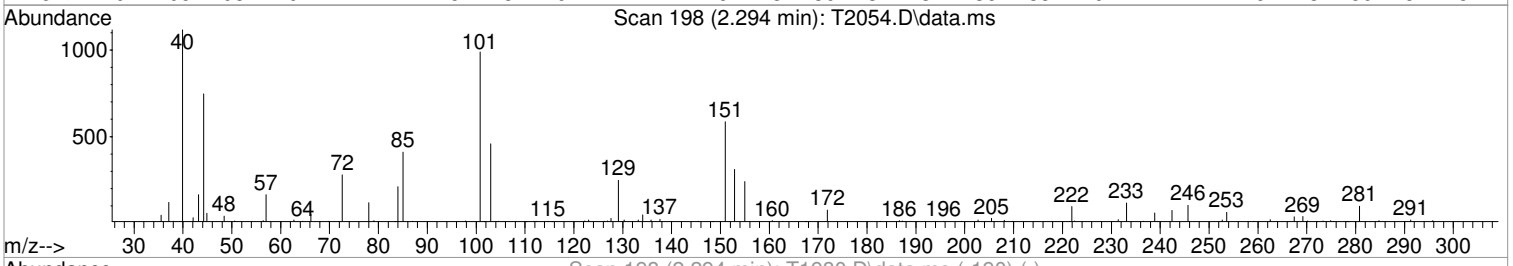


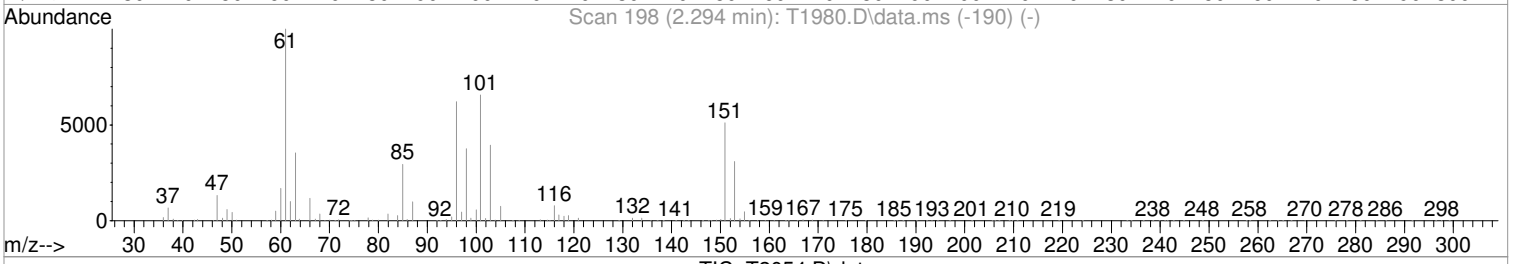
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2054.D
Acq On : 21 Sep 2020 7:27 pm
Operator : F.NAEGLER
Sample : R2008604-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 22 08:45:21 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2054.D\data.ms

(14) Freon 113 (P)

2.294min (-0.000) 0.51 ug/L m

response 1103

Ion	Exp%	Act%
100.90	100	100
150.90	77.80	59.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

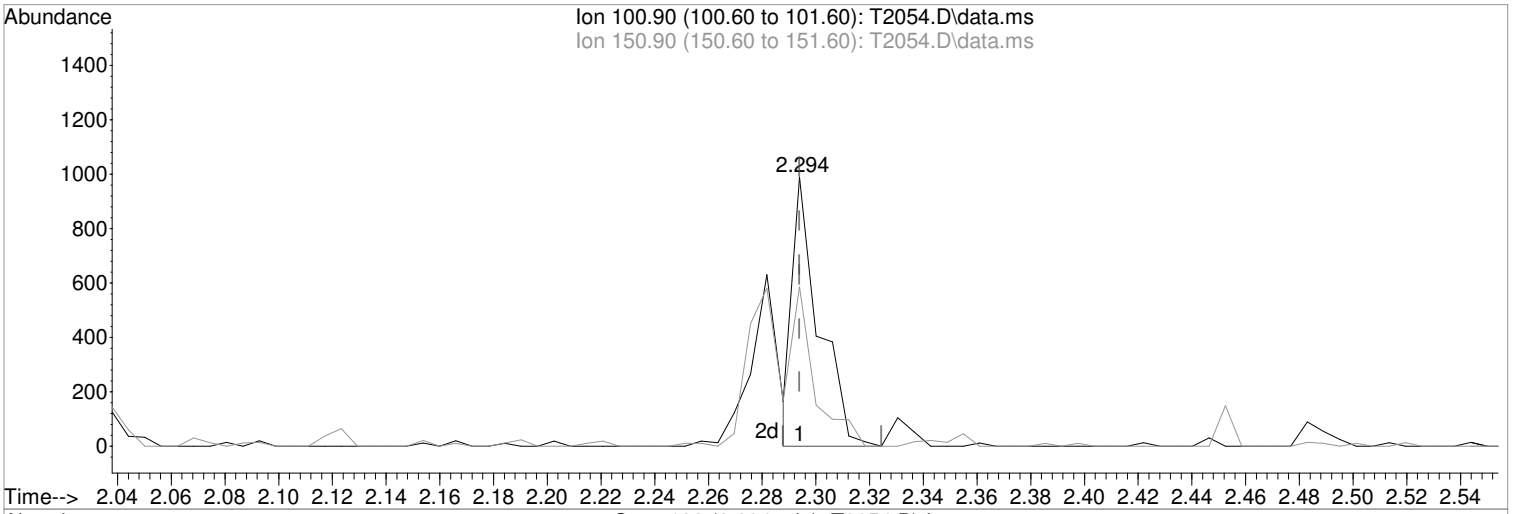
Poor integration.

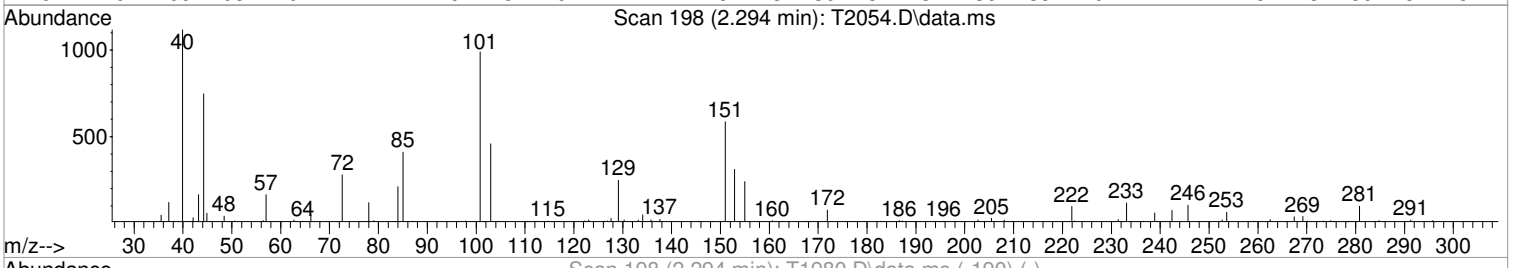
09/23/20

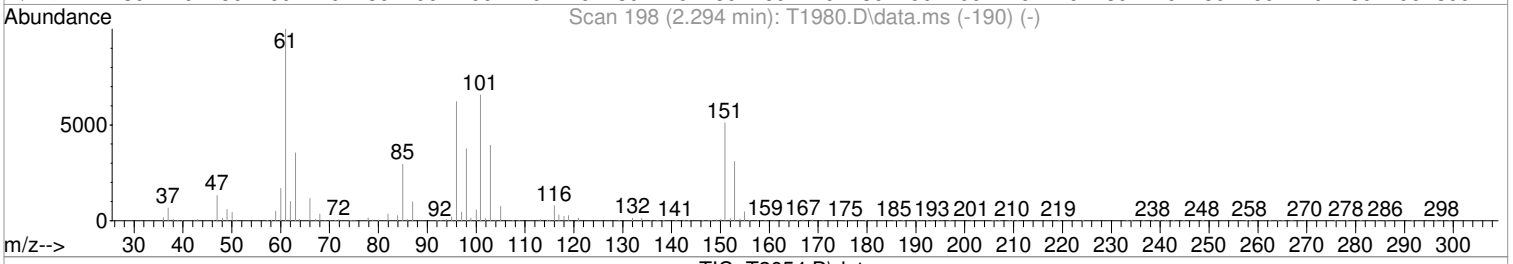
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2054.D
Acq On : 21 Sep 2020 7:27 pm
Operator : F.NAEGLER
Sample : R2008604-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 22 08:45:21 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2054.D\data.ms

(14) Freon 113 (P)

2.294min (-0.000) 0.31 ug/L

response 670

Ion	Exp%	Act%
100.90	100	100
150.90	77.80	58.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

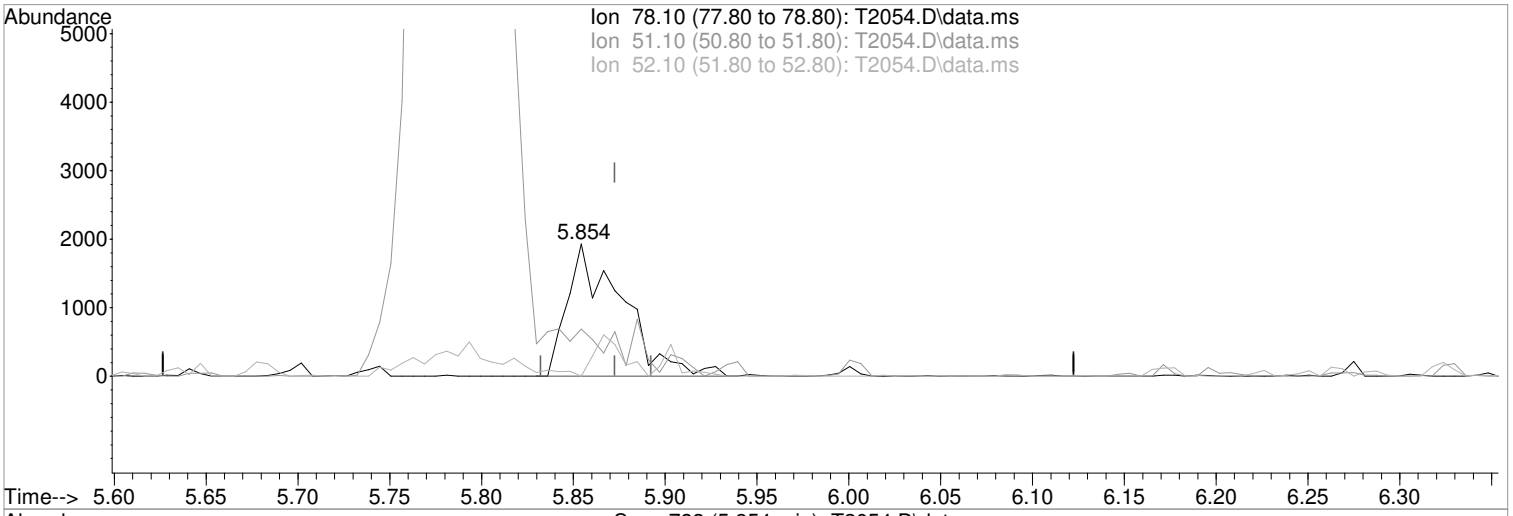
Before

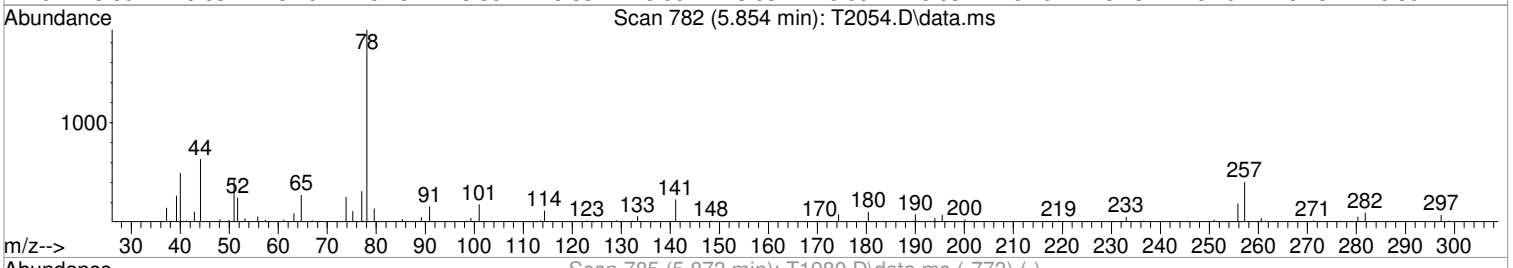
09/23/20

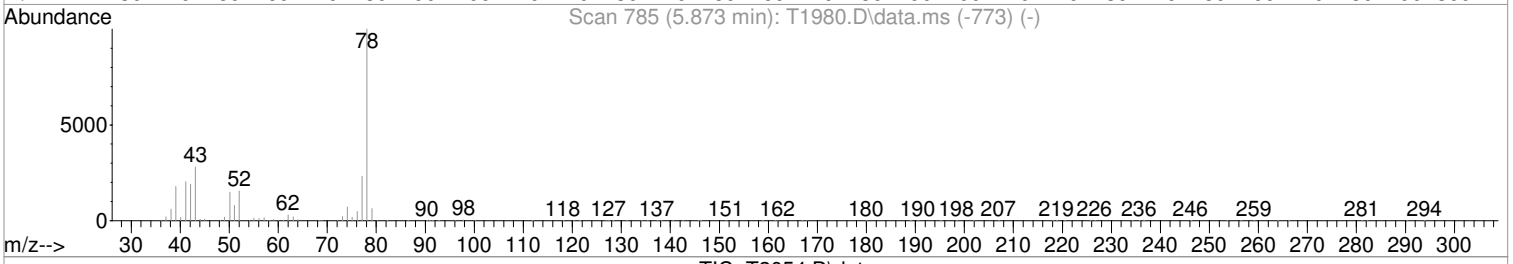
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2054.D
Acq On : 21 Sep 2020 7:27 pm
Operator : F.NAEGLER
Sample : R2008604-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 22 08:45:21 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2054.D\data.ms

(47) Benzene (P)

5.854min (-0.018) 0.43 ug/L m

response 4013

Ion	Exp%	Act%
78.10	100	100
51.10	17.50	22.77
52.10	15.70	0.00
0.00	0.00	0.00

Manual Integration:

After

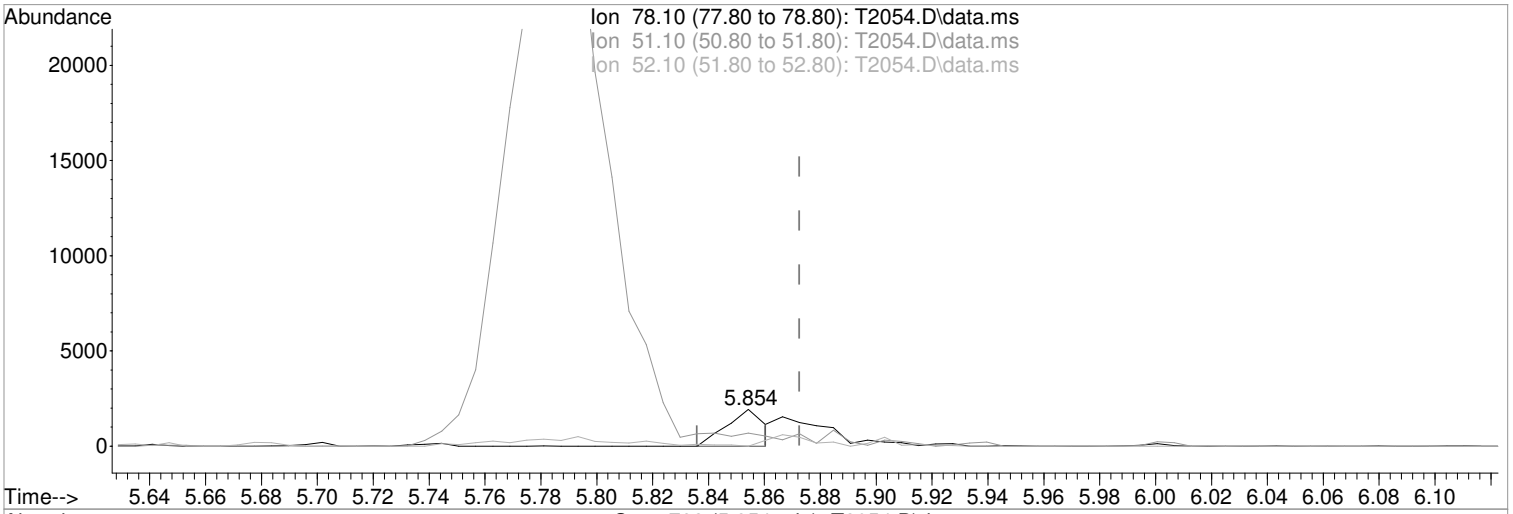
Poor integration.

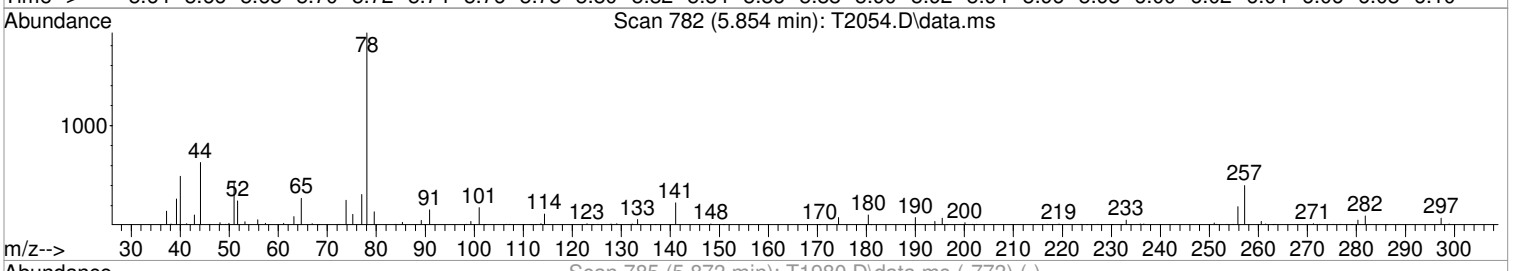
09/23/20

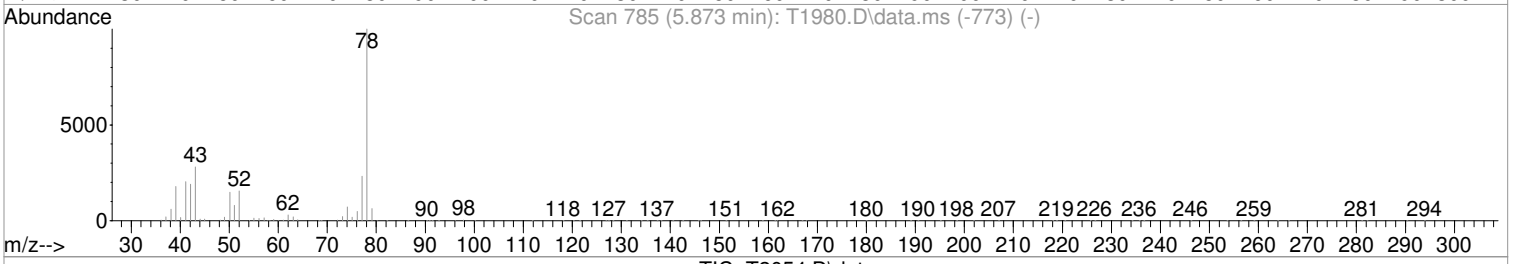
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2054.D
Acq On : 21 Sep 2020 7:27 pm
Operator : F.NAEGLER
Sample : R2008604-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 22 08:45:21 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2054.D\data.ms

(47) Benzene (P)

5.854min (-0.018) 0.19 ug/L

response 1812

Ion	Exp%	Act%
78.10	100	100
51.10	17.50	35.58
52.10	15.70	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2054.D
Acq On : 21 Sep 2020 7:27 pm
Operator : F.NAEGLER
Sample : R2008604-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 23 15:18:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

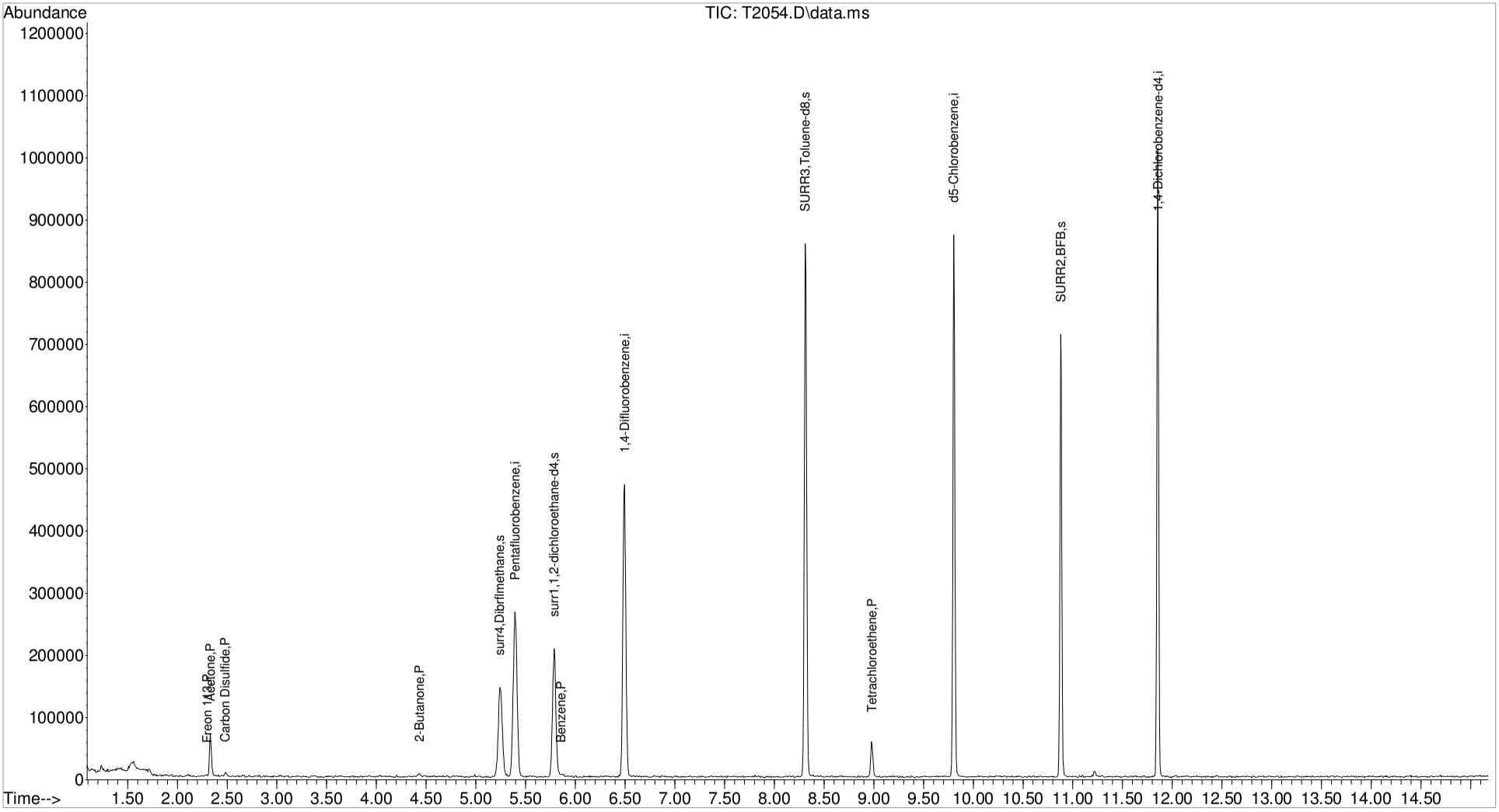
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	237193	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	384719	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	351913	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	177978	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	120738	51.67	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.34%			
46) surr1,1,2-dichloroetha...	5.787	65	165333	59.57	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 119.14%			
64) SURR3,Toluene-d8	8.311	98	502365	55.93	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 111.86%			
69) SURR2,BFB	10.878	95	184212	52.04	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 104.08%			
Target Compounds						Qvalue
14) Freon 113	2.294	101	1103m	0.51	ug/L	
15) Acetone	2.331	43	62329	53.50	ug/L	93
18) Carbon Disulfide	2.477	76	6272	0.96	ug/L	92
21) Methyl Acetate	2.641	43	544	Below Cal		86
34) 2-Butanone	4.434	43	7501	4.36	ug/L	76
38) Tetrahydrofuran	4.861	42	570	Below Cal	#	37
42) Cyclohexane	5.336	41	280	Below Cal	#	34
47) Benzene	5.854	78	4013m	0.43	ug/L	
60) 2-Nitropropane	7.677	41	533	Below Cal	#	1
71) Tetrachloroethene	8.982	164	10260	5.55	ug/L	89

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

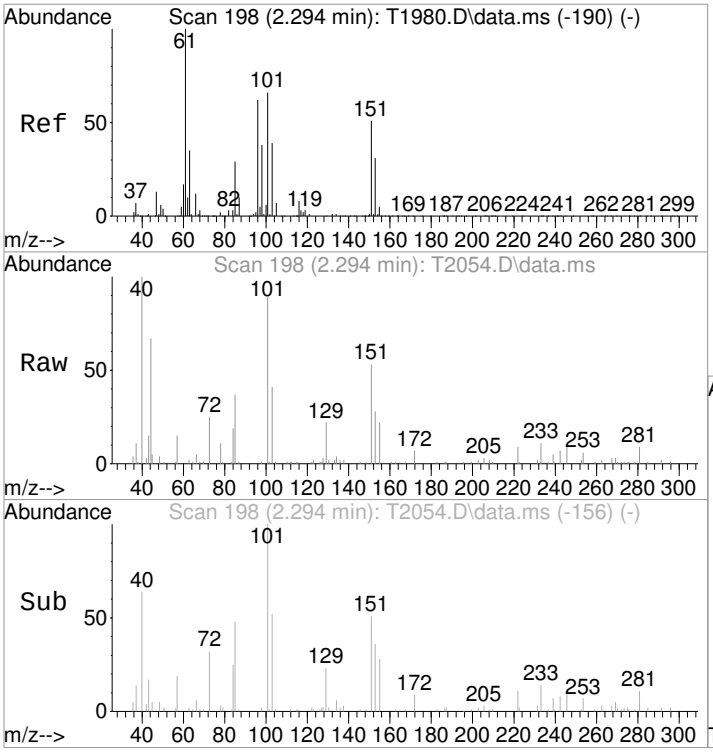
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2054.D
Acq On : 21 Sep 2020 7:27 pm
Operator : F.NAEGLER
Sample : R2008604-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 23 15:18:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



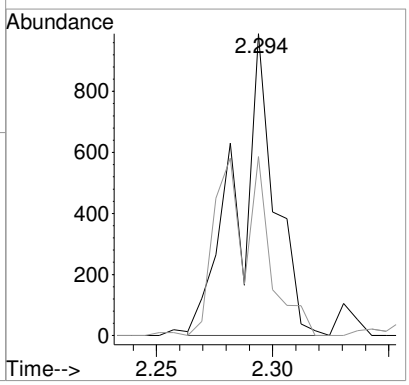
1st FJ 09/23/20

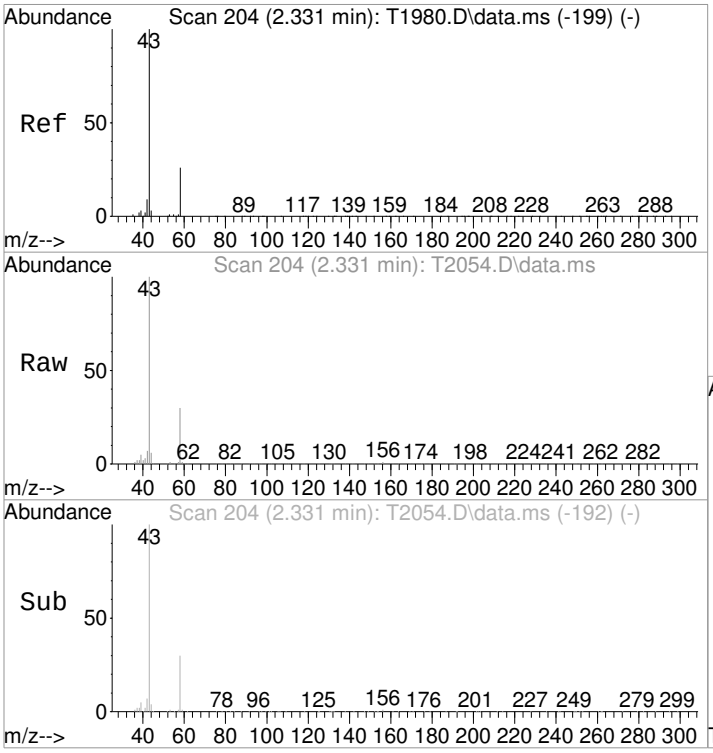


#14
Freon 113
Concen: 0.51 ug/L m
RT: 2.294 min Scan# 198
Delta R.T. -0.000 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion:101 Resp: 1103

Ion	Ratio	Lower	Upper
101	100		
151	59.3	57.8	97.8

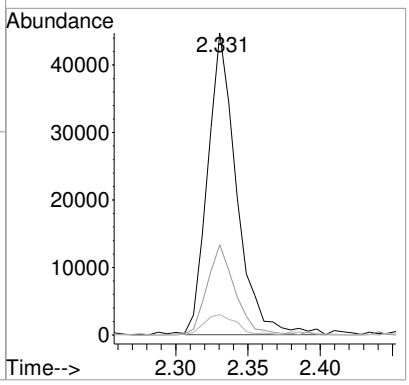


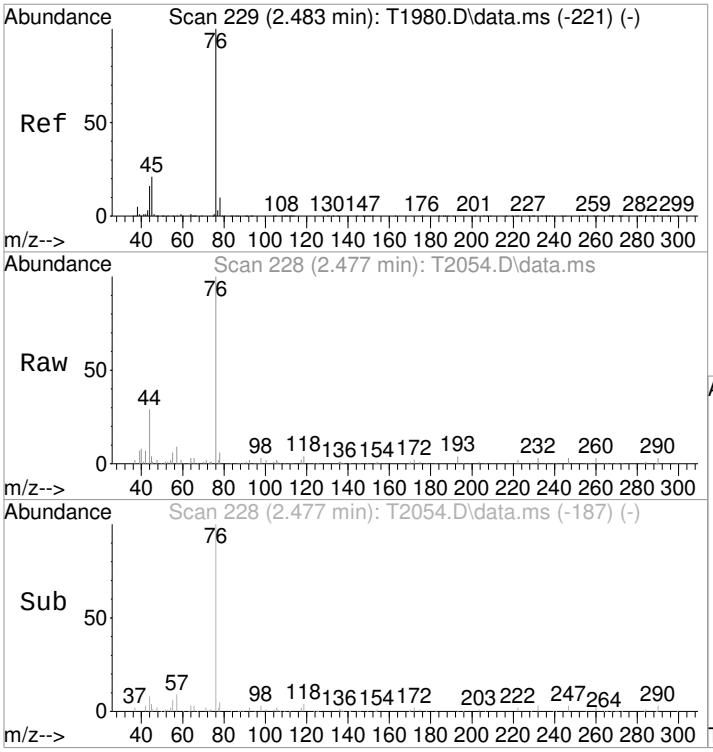


#15
Acetone
Concen: 53.50 ug/L
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion: 43 Resp: 62329

Ion	Ratio	Lower	Upper
43	100		
58	29.9	6.1	46.1
42	6.7	0.0	29.3

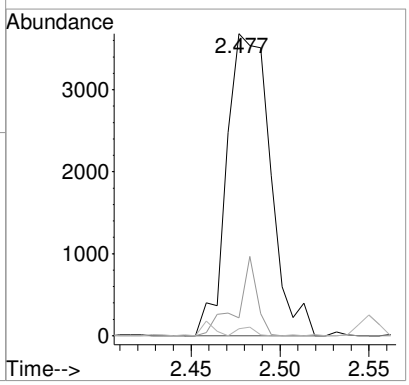


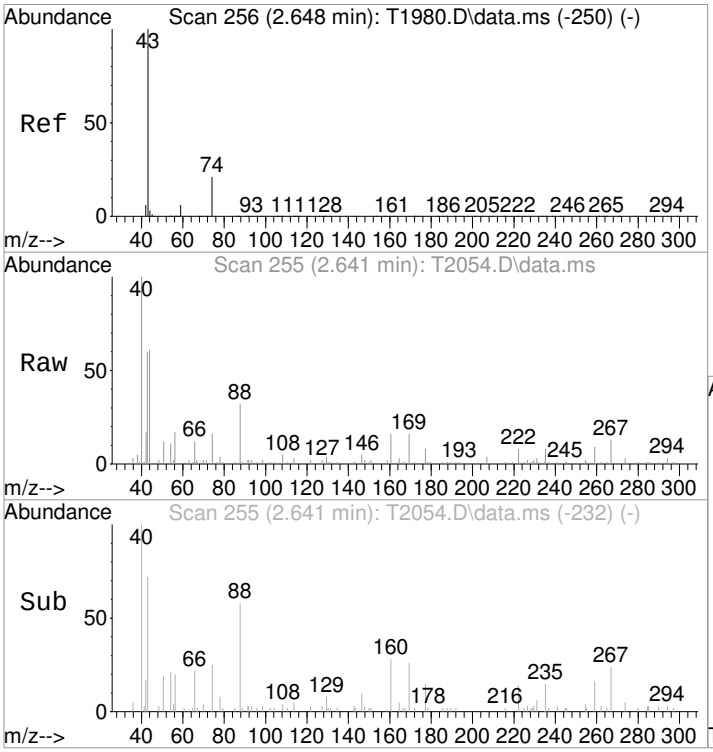


#18
Carbon Disulfide
Concen: 0.96 ug/L
RT: 2.477 min Scan# 228
Delta R.T. -0.006 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion: 76 Resp: 6272

Ion	Ratio	Lower	Upper
76	100		
78	5.9	0.0	29.6
77	2.3	0.0	22.5

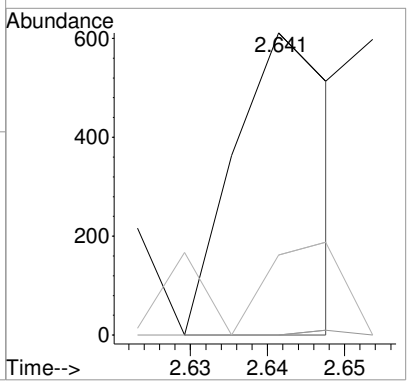


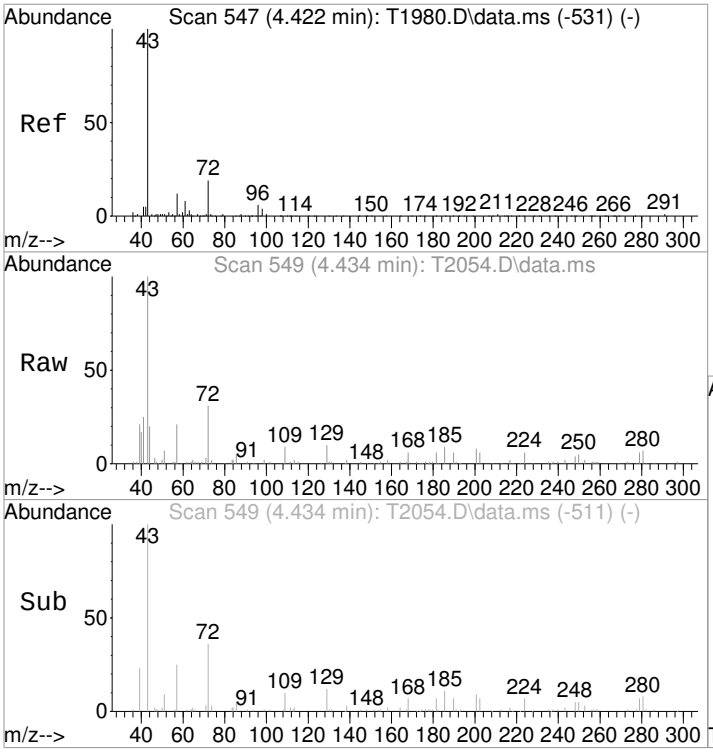


#21
Methyl Acetate
Concen: Below Cal
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion: 43 Resp: 544

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	26.5	0.6	40.6

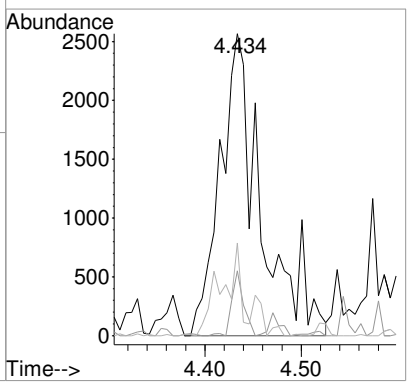


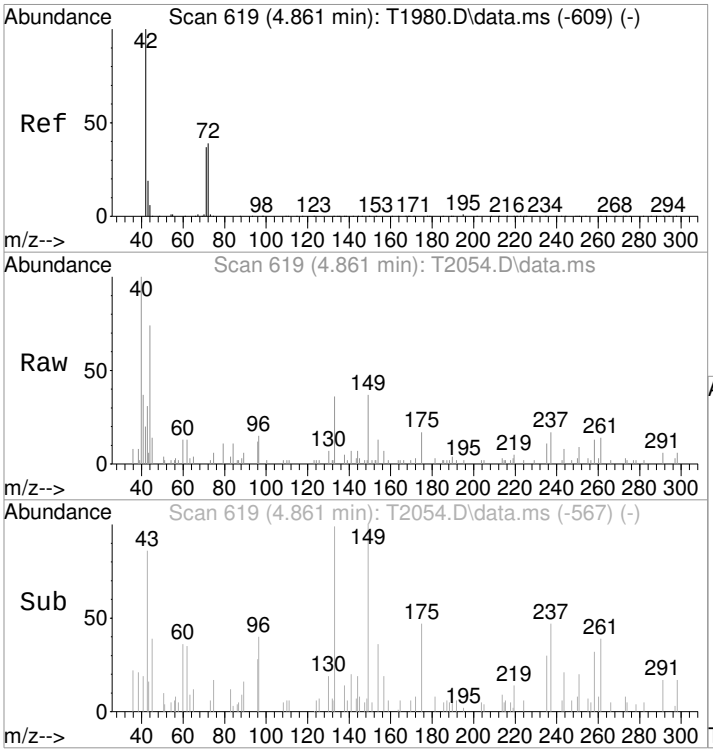


#34
2-Butanone
Concen: 4.36 ug/L
RT: 4.434 min Scan# 549
Delta R.T. 0.012 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion: 43 Resp: 7501

Ion	Ratio	Lower	Upper
43	100		
57	21.5	0.0	32.7
72	30.7	0.0	39.4

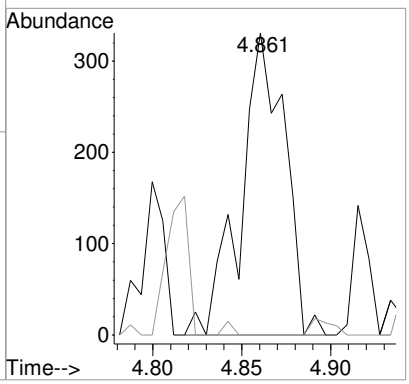


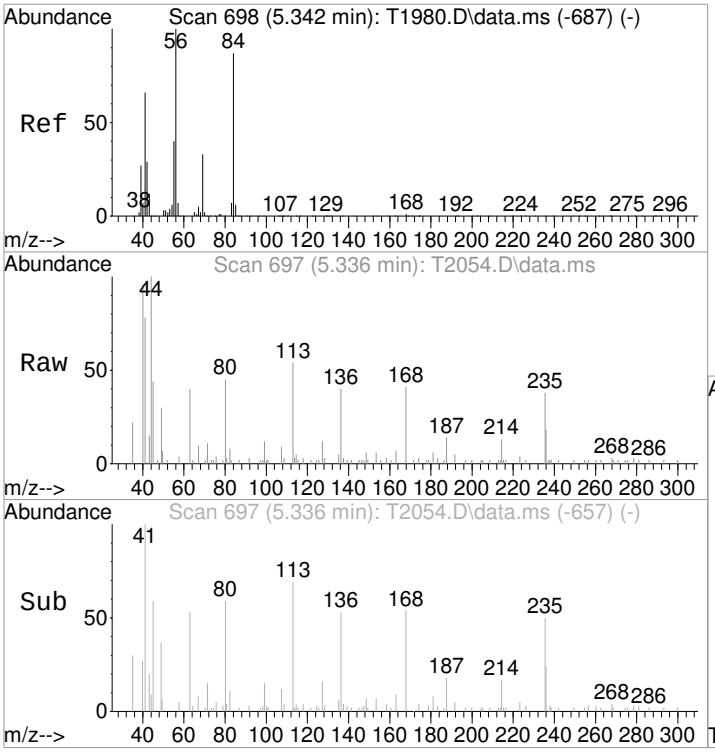


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.861 min Scan# 619
Delta R.T. 0.001 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion: 42 Resp: 570

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

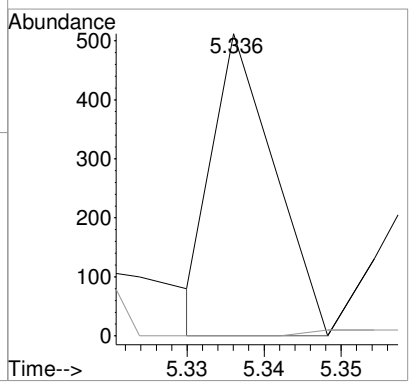


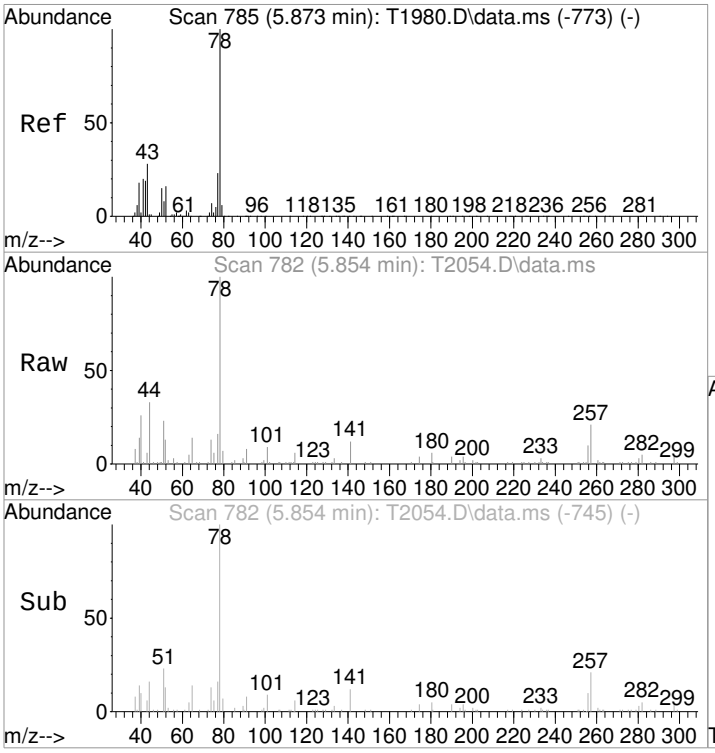


#42
Cyclohexane
Concen: Below Cal
RT: 5.336 min Scan# 697
Delta R.T. -0.006 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion: 41 Resp: 280

Ion	Ratio	Lower	Upper
41	100		
39	0.0	21.9	61.9#

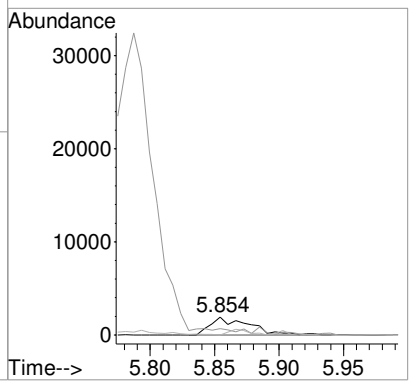


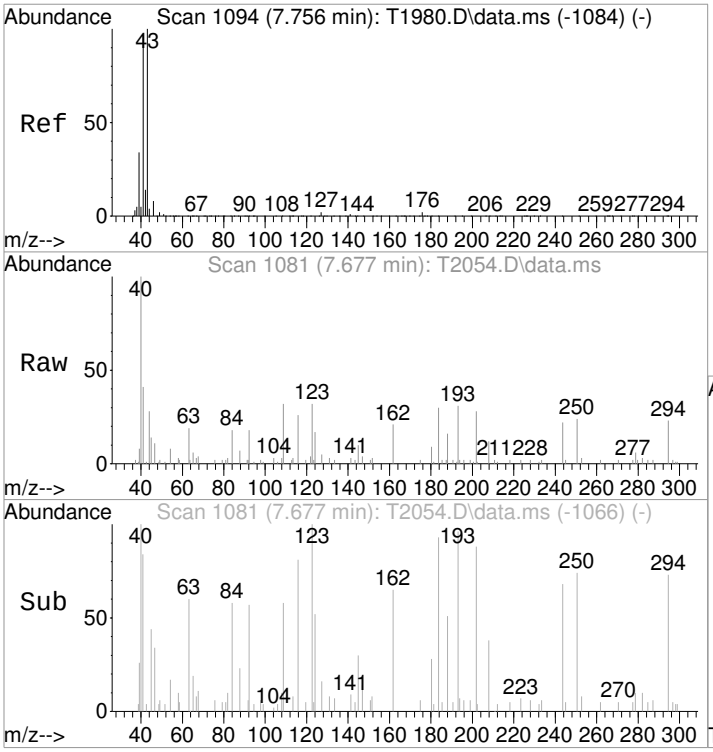


#47
Benzene
Concen: 0.43 ug/L m
RT: 5.854 min Scan# 782
Delta R.T. -0.018 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion: 78 Resp: 4013

Ion	Ratio	Lower	Upper
78	100		
51	22.8	0.0	37.5
52	0.0	0.0	35.7

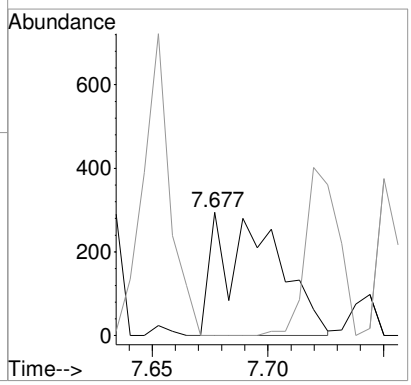


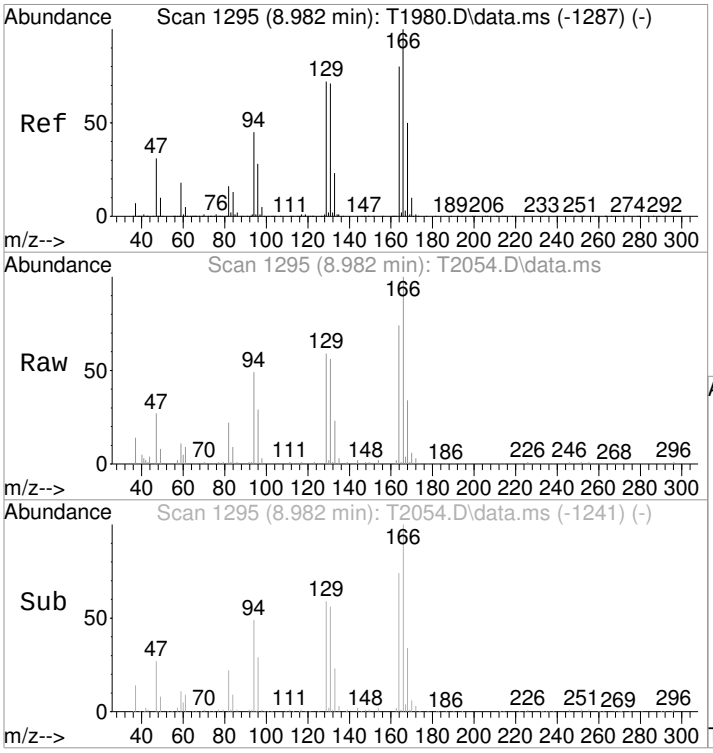


#60
2-Nitropropane
Concen: Below Cal
RT: 7.677 min Scan# 1081
Delta R.T. -0.079 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion: 41 Resp: 533

Ion	Ratio	Lower	Upper
41	100		
43	0.0	84.5	124.5#

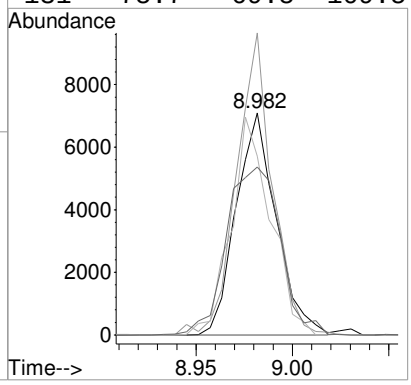




#71
Tetrachloroethene
Concen: 5.55 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: T2054.D
Acq: 21 Sep 2020 7:27 pm

Tgt Ion:164 Resp: 10260

Ion	Ratio	Lower	Upper
164	100		
166	136.0	105.6	145.6
129	80.5	69.9	109.9
131	75.7	69.5	109.5



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2055.D
Acq On : 21 Sep 2020 7:49 pm
Operator : F.NAEGLER
Sample : R2008604-011|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 15:19:27 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

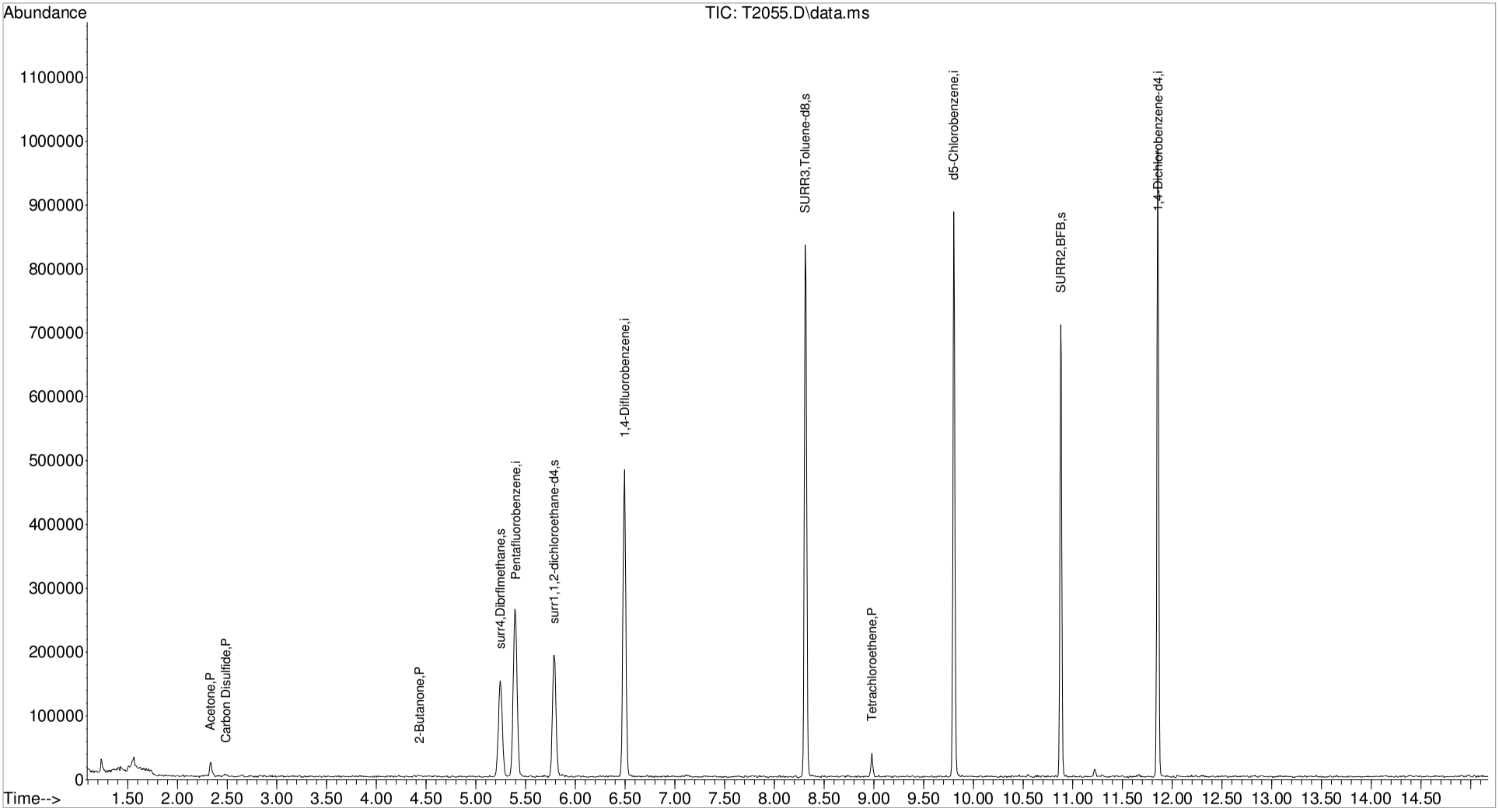
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	240224	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	372882	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	345741	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	177639	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	123078	54.34	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 108.68%				
46) surr1,1,2-dichloroetha...	5.781	65	161616	60.08	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 120.16%				
64) SURR3,Toluene-d8	8.311	98	489397	56.22	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 112.44%				
69) SURR2,BFB	10.878	95	188331	54.89	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 109.78%				
Target Compounds							Qvalue
15) Acetone	2.331	43	22695	19.23	ug/L		87
18) Carbon Disulfide	2.483	76	3863	0.58	ug/L		96
21) Methyl Acetate	2.641	43	437	Below Cal			80
34) 2-Butanone	4.434	43	4537	2.60	ug/L		90
38) Tetrahydrofuran	4.928	42	484	Below Cal		#	37
42) Cyclohexane	5.324	41	255	Below Cal		#	60
60) 2-Nitropropane	7.781	41	340	Below Cal		#	51
71) Tetrachloroethene	8.982	164	6265	3.45	ug/L	#	87

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

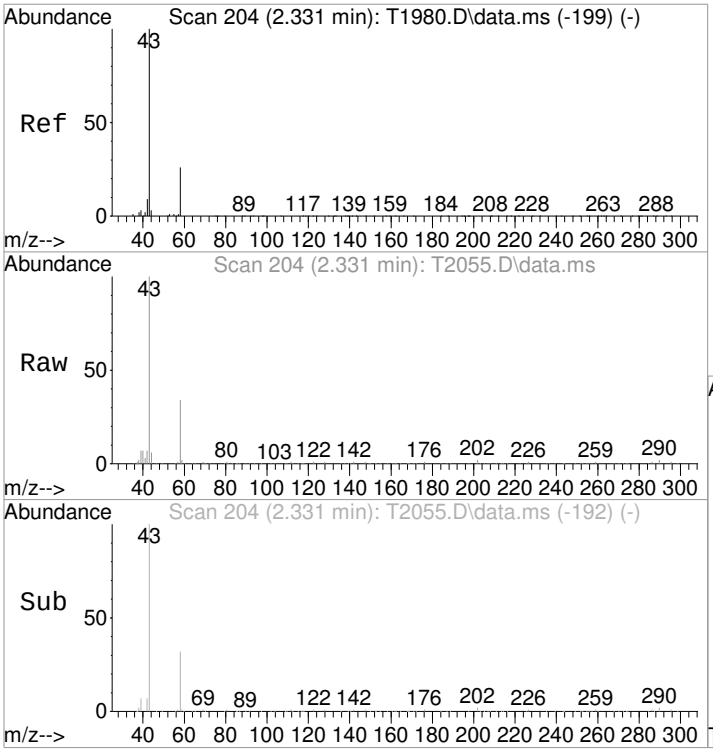
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2055.D
Acq On : 21 Sep 2020 7:49 pm
Operator : F.NAEGLER
Sample : R2008604-011|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 15:19:27 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



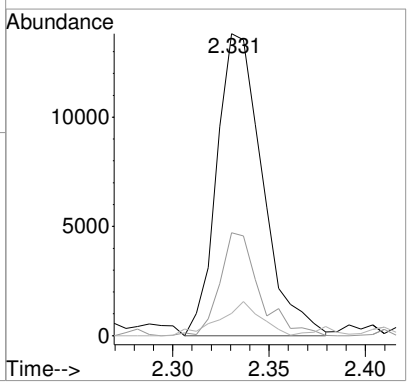
1st FJ 09/23/20

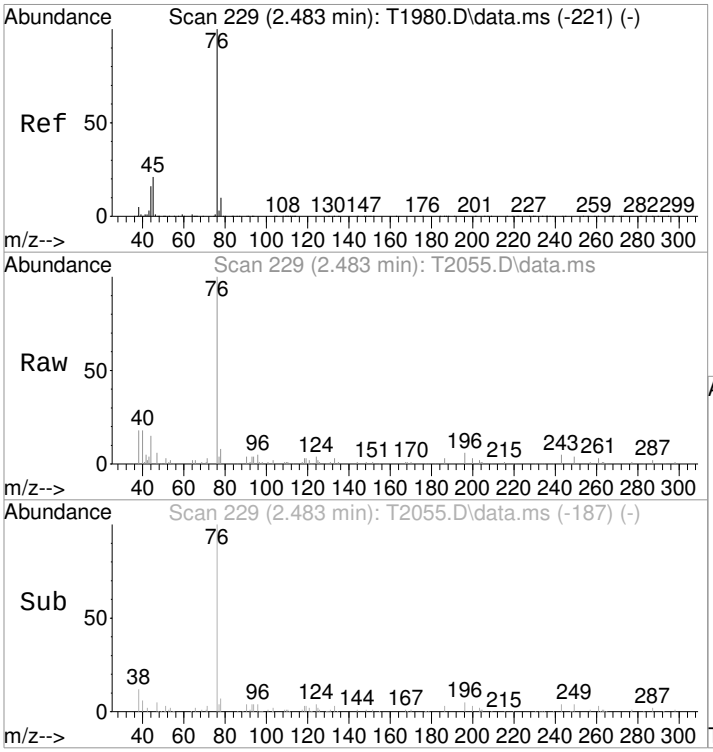


#15
Acetone
Concen: 19.23 ug/L
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: T2055.D
Acq: 21 Sep 2020 7:49 pm

Tgt Ion: 43 Resp: 22695

Ion	Ratio	Lower	Upper
43	100		
58	34.1	6.1	46.1
42	7.4	0.0	29.3

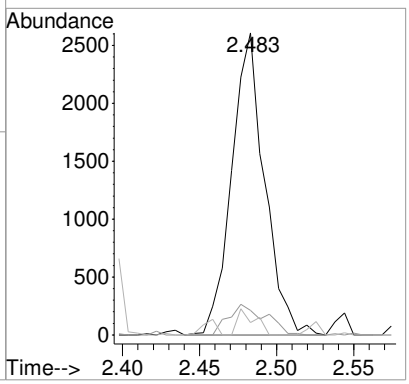


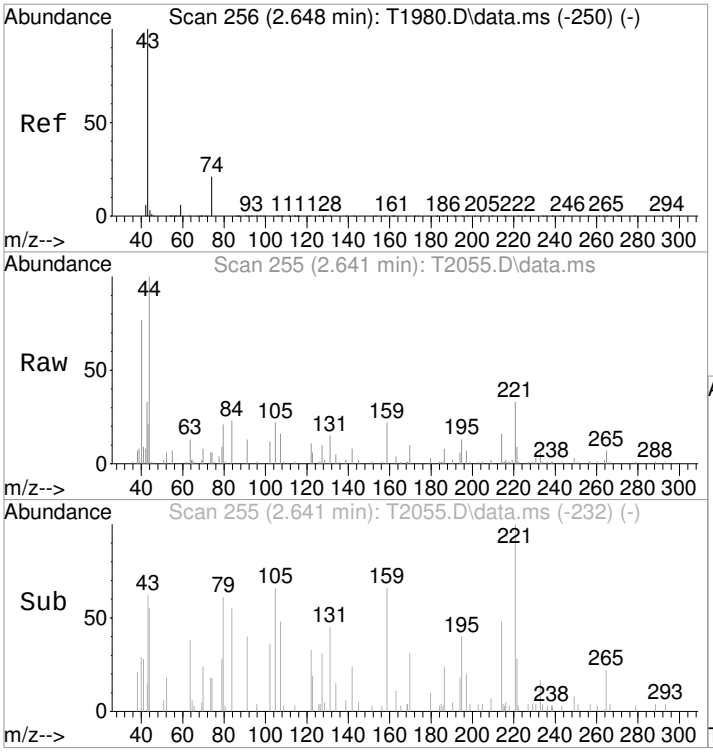


#18
Carbon Disulfide
Concen: 0.58 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T2055.D
Acq: 21 Sep 2020 7:49 pm

Tgt Ion: 76 Resp: 3863

Ion	Ratio	Lower	Upper
76	100		
78	8.1	0.0	29.6
77	4.1	0.0	22.5

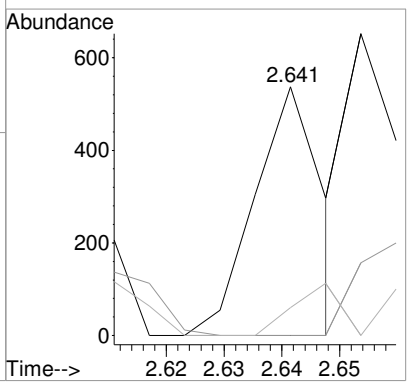


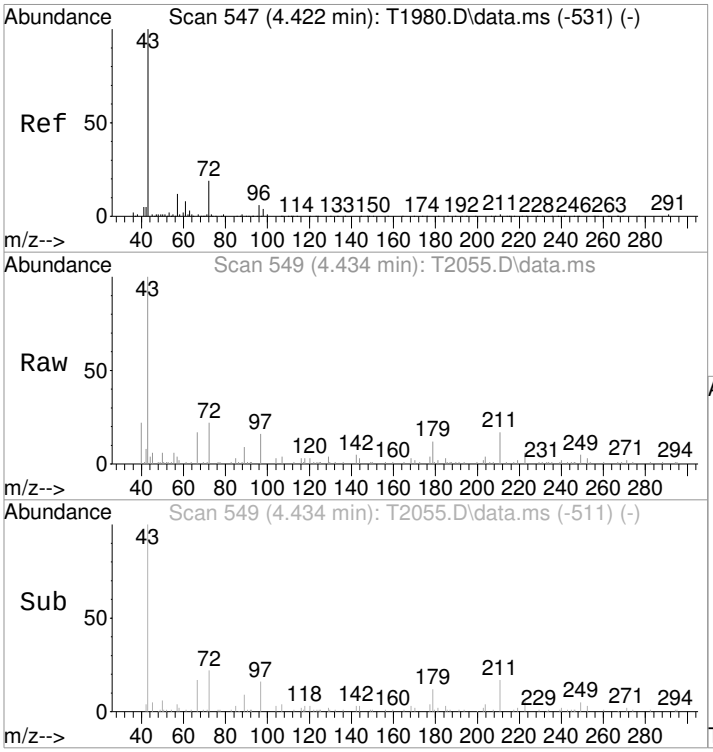


#21
Methyl Acetate
Concen: Below Cal
RT: 2.641 min Scan# 255
Delta R.T. -0.006 min
Lab File: T2055.D
Acq: 21 Sep 2020 7:49 pm

Tgt Ion: 43 Resp: 437

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	11.2	0.6	40.6

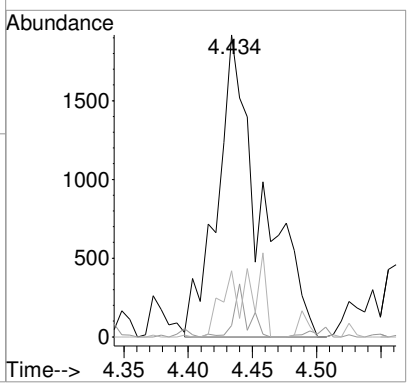


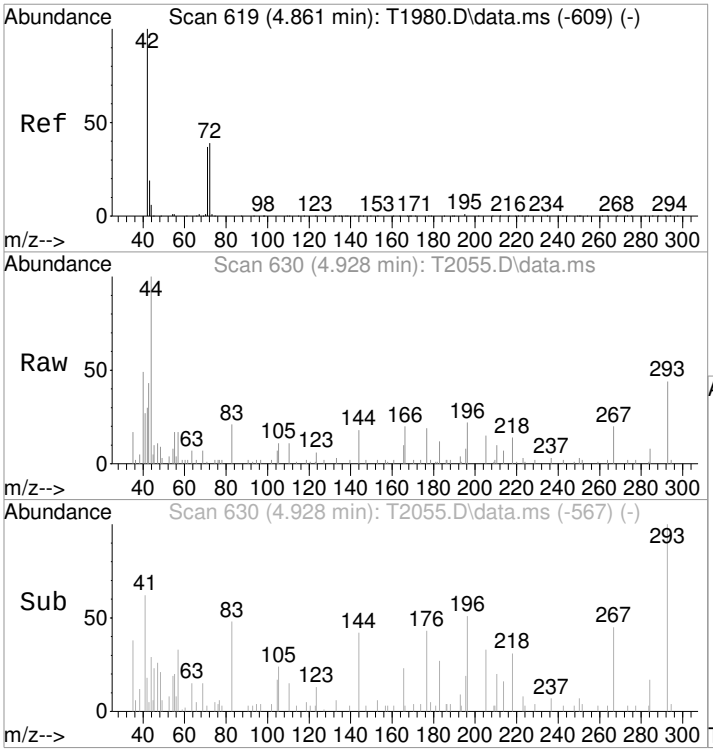


#34
2-Butanone
Concen: 2.60 ug/L
RT: 4.434 min Scan# 549
Delta R.T. 0.012 min
Lab File: T2055.D
Acq: 21 Sep 2020 7:49 pm

Tgt Ion: 43 Resp: 4537

Ion	Ratio	Lower	Upper
43	100		
57	5.9	0.0	32.7
72	21.9	0.0	39.4

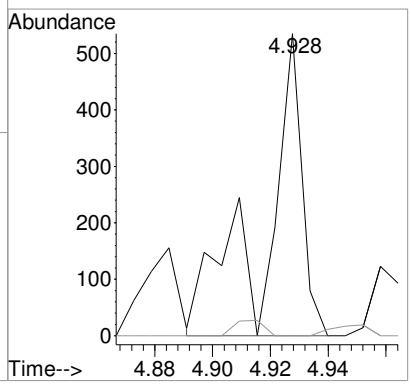


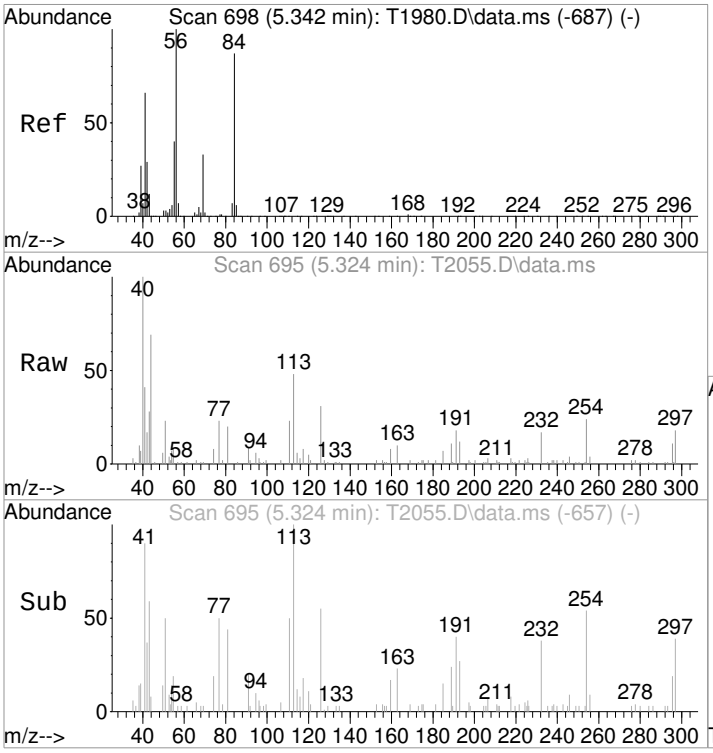


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.928 min Scan# 630
Delta R.T. 0.068 min
Lab File: T2055.D
Acq: 21 Sep 2020 7:49 pm

Tgt Ion: 42 Resp: 484

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

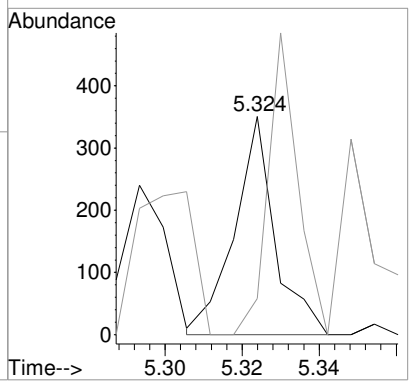


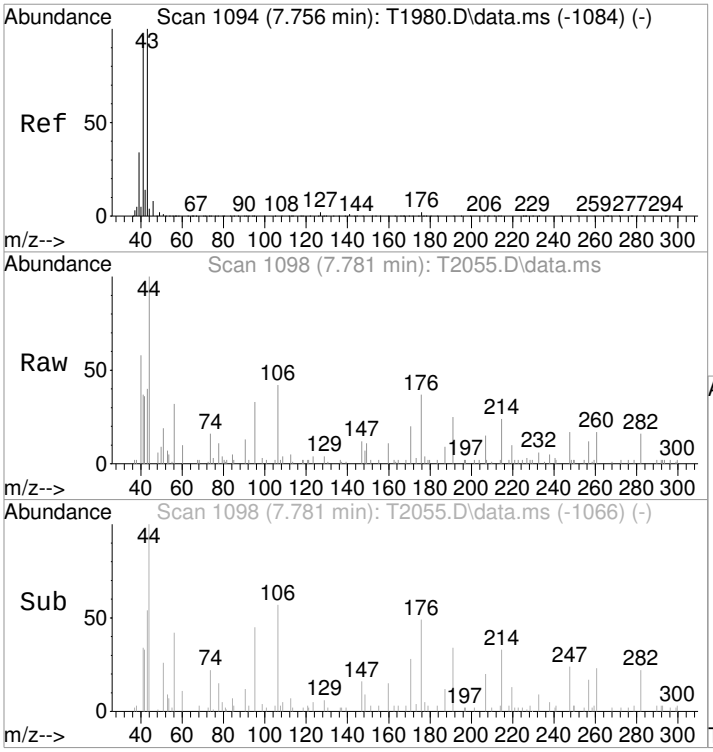


#42
Cyclohexane
Concen: Below Cal
RT: 5.324 min Scan# 695
Delta R.T. -0.018 min
Lab File: T2055.D
Acq: 21 Sep 2020 7:49 pm

Tgt Ion: 41 Resp: 255

Ion	Ratio	Lower	Upper
41	100		
39	16.5	21.9	61.9#

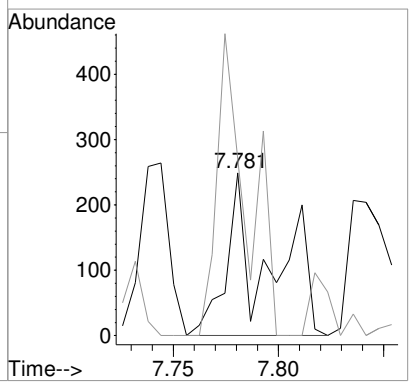


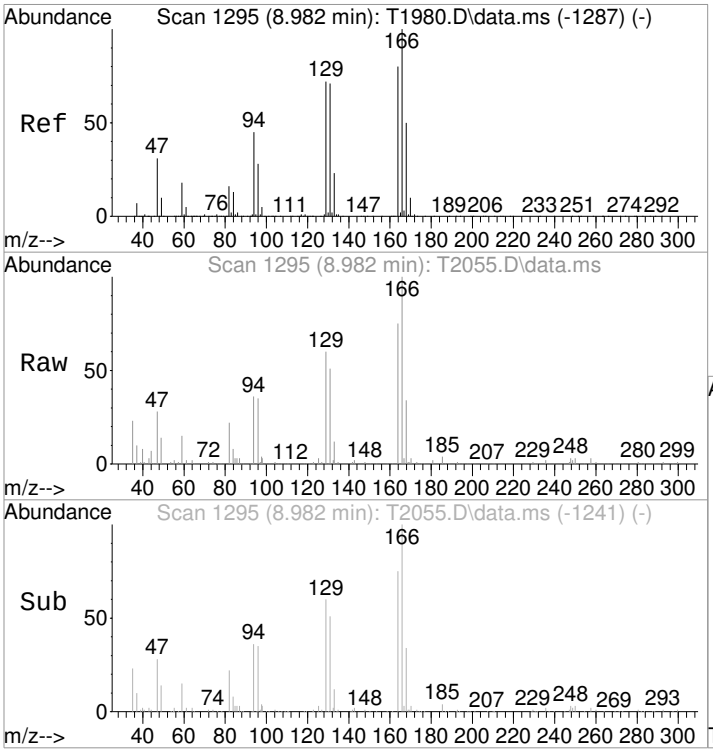


#60
2-Nitropropane
Concen: Below Cal
RT: 7.781 min Scan# 1098
Delta R.T. 0.025 min
Lab File: T2055.D
Acq: 21 Sep 2020 7:49 pm

Tgt Ion: 41 Resp: 340

Ion	Ratio	Lower	Upper
41	100		
43	54.3	84.5	124.5#

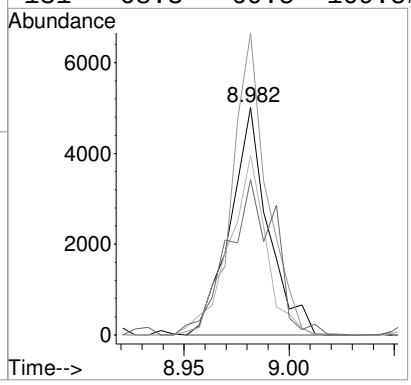




#71
Tetrachloroethene
Concen: 3.45 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: T2055.D
Acq: 21 Sep 2020 7:49 pm

Tgt Ion:164 Resp: 6265

Ion	Ratio	Lower	Upper
164	100		
166	132.7	105.6	145.6
129	79.0	69.9	109.9
131	68.3	69.5	109.5#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2033.D
Acq On : 21 Sep 2020 11:50 am
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 17:35:06 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

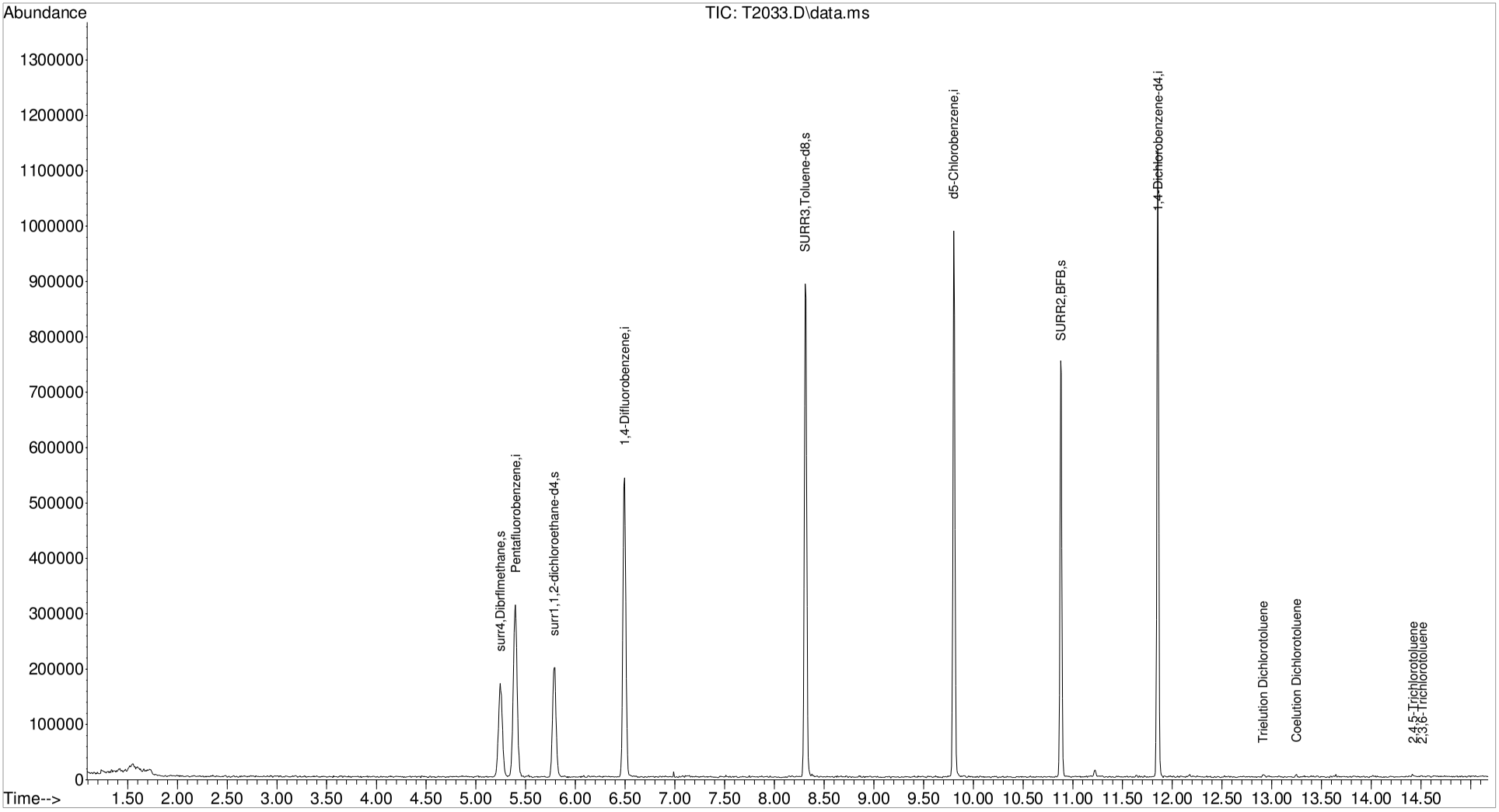
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	279478	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	449347	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	412654	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	206168	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	136079	49.86	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.72%				
46) surr1,1,2-dichloroetha...	5.787	65	167678	51.73	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.46%				
64) SURR3,Toluene-d8	8.311	98	538673	51.35	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.70%				
69) SURR2,BFB	10.884	95	199213	48.18	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.36%				
Target Compounds							Qvalue
10) Freon 123a	2.026	67	432	Below Cal		#	20
21) Methyl Acetate	2.678	43	515	Below Cal			70
37) Methacrylonitrile	4.720	67	368	Below Cal		#	40
38) Tetrahydrofuran	4.879	42	1349	Below Cal		#	53
42) Cyclohexane	5.427	41	264	Below Cal			77
58) Methyl Methacrylate	7.262	69	282	Below Cal		#	21
60) 2-Nitropropane	7.750	41	488	Below Cal		#	36
111) Trielution Dichlorotol...	12.908	125	1881	0.41	ug/L		73
113) Coelution Dichlorotoluene	13.249	125	1850	0.36	ug/L	#	64
118) 2,4,5-Trichlorotoluene	14.419	159	677	0.66	ug/L	#	55
119) 2,3,6-Trichlorotoluene	14.511	159	546	0.26	ug/L	#	30

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

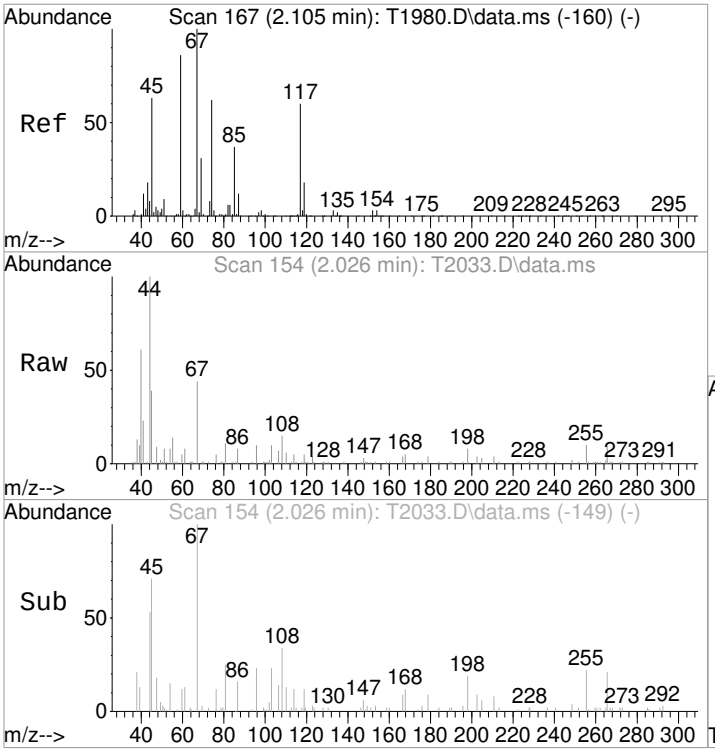
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2033.D
Acq On : 21 Sep 2020 11:50 am
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 17:35:06 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



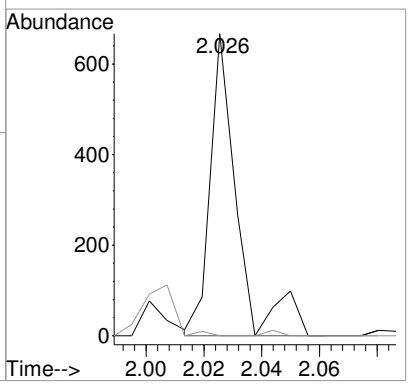
1st FJ 09/22/20

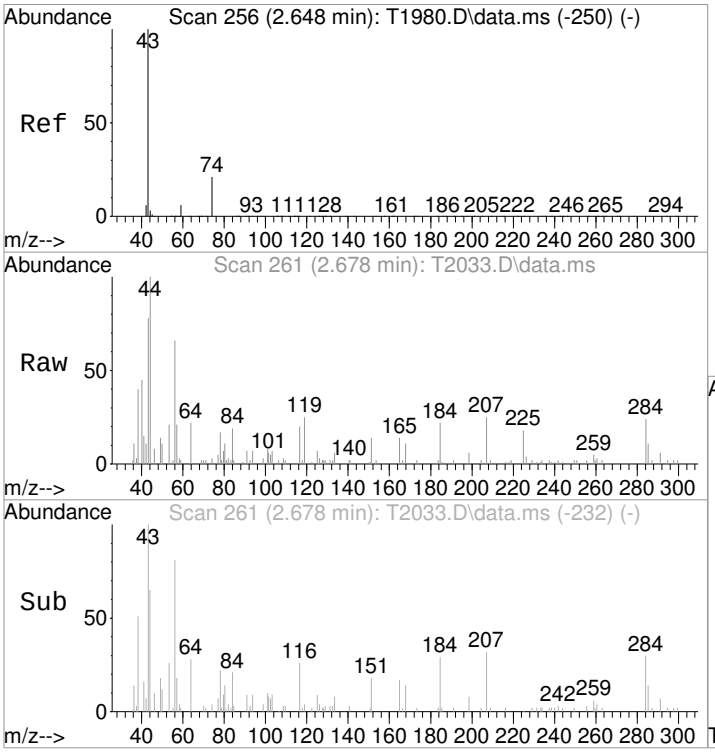


#10
Freon 123a
Concen: Below Cal
RT: 2.026 min Scan# 154
Delta R.T. -0.079 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 67 Resp: 432

Ion	Ratio	Lower	Upper
67	100		
117	0.0	40.7	80.7#

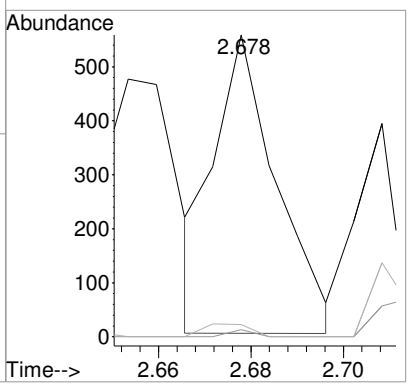


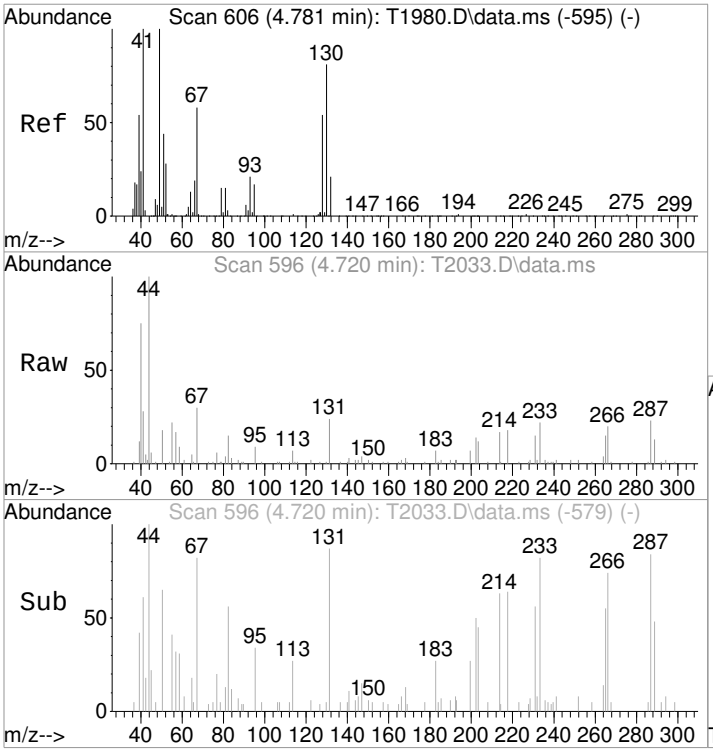


#21
Methyl Acetate
Concen: Below Cal
RT: 2.678 min Scan# 261
Delta R.T. 0.031 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 43 Resp: 515

Ion	Ratio	Lower	Upper
43	100		
59	2.3	0.0	26.4
74	4.1	0.6	40.6

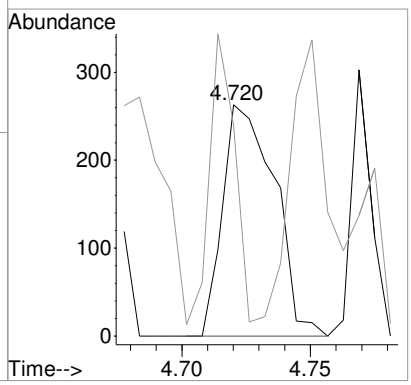


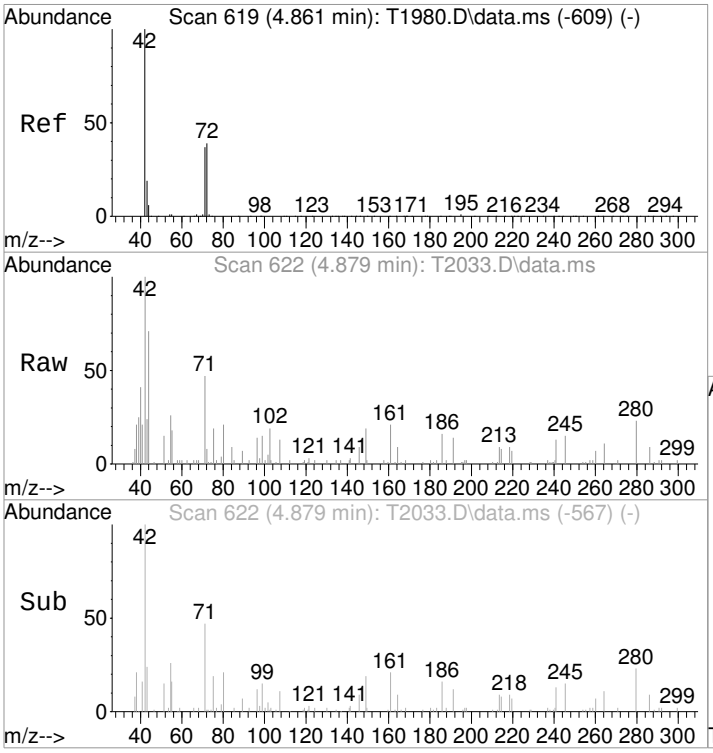


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.720 min Scan# 596
Delta R.T. -0.061 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 67 Resp: 368

Ion	Ratio	Lower	Upper
67	100		
41	91.3	154.0	194.0#

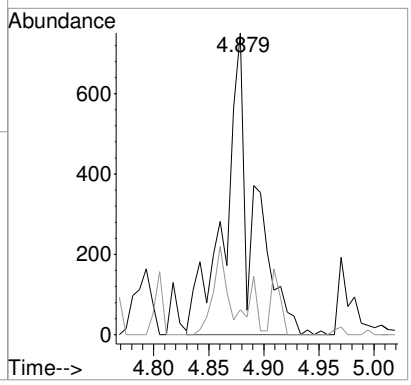


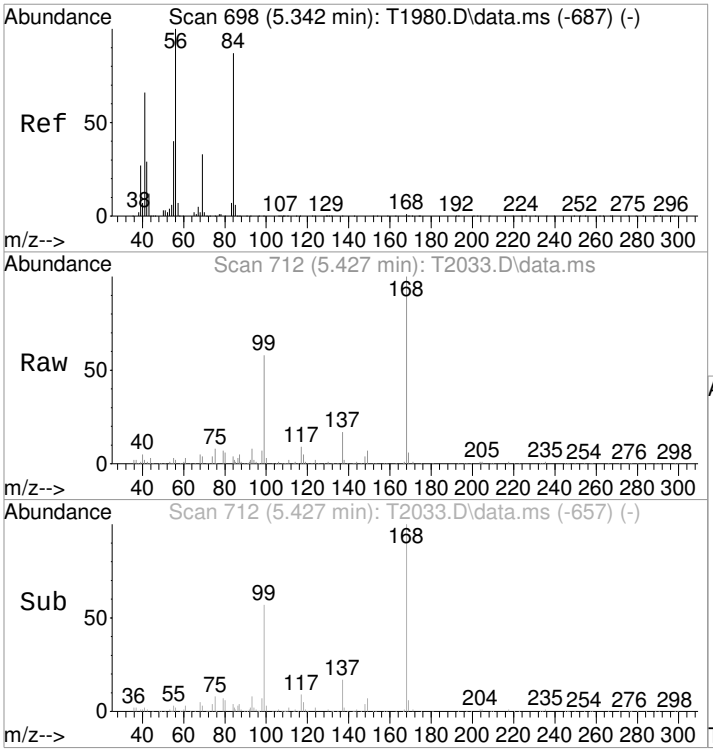


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.879 min Scan# 622
Delta R.T. 0.019 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 42 Resp: 1349

Ion	Ratio	Lower	Upper
42	100		
72	9.6	18.3	58.3#

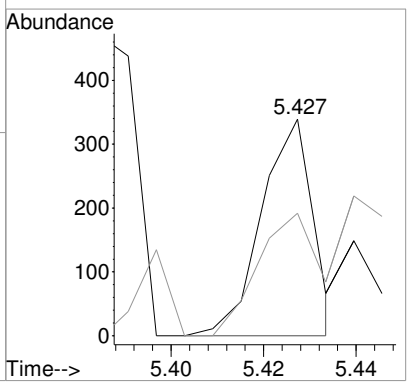


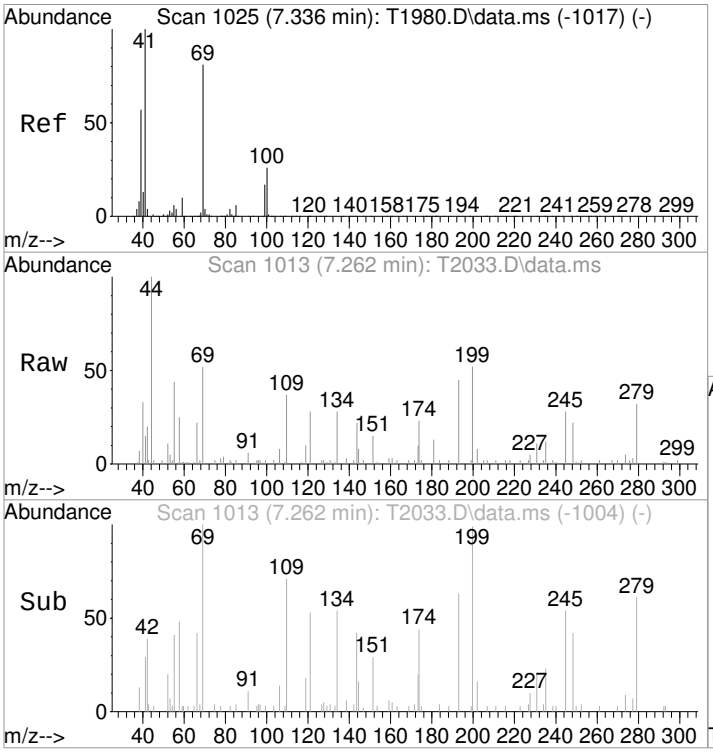


#42
Cyclohexane
Concen: Below Cal
RT: 5.427 min Scan# 712
Delta R.T. 0.085 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 41 Resp: 264

Ion	Ratio	Lower	Upper
41	100		
39	56.6	21.9	61.9

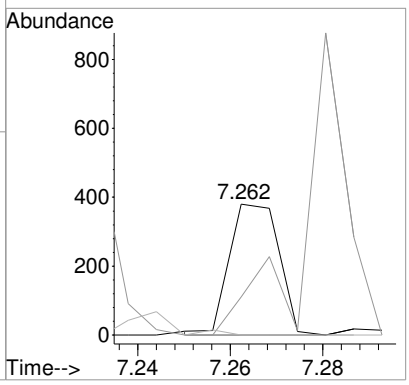


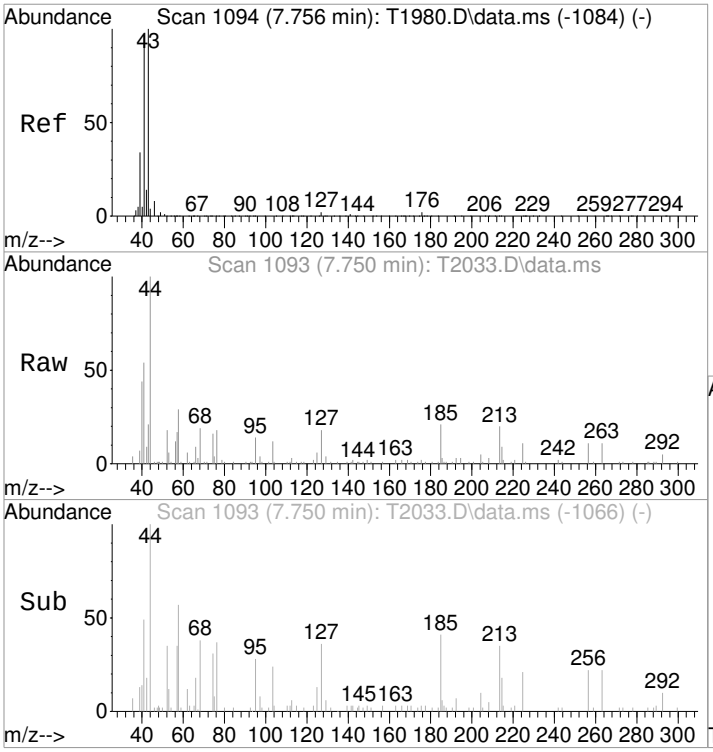


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.262 min Scan# 1013
Delta R.T. -0.073 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 69 Resp: 282

Ion	Ratio	Lower	Upper
69	100		
41	29.2	105.7	145.7#
100	0.0	12.5	52.5#

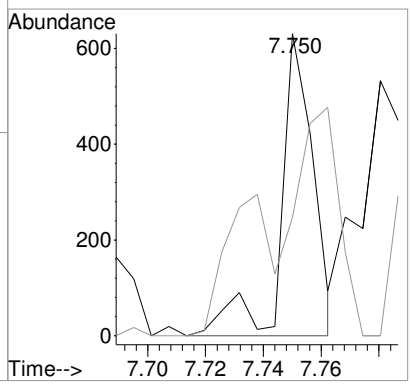


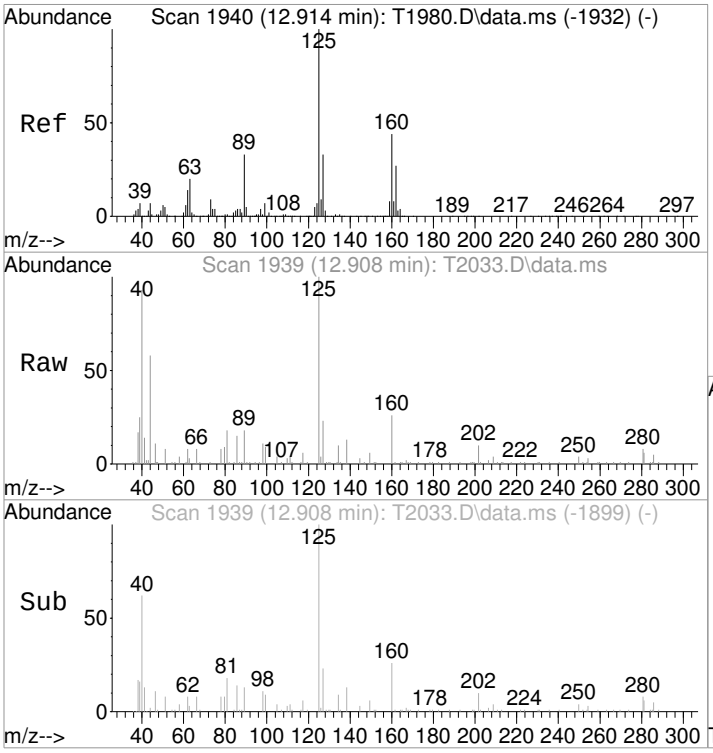


#60
2-Nitropropane
Concen: Below Cal
RT: 7.750 min Scan# 1093
Delta R.T. -0.006 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 41 Resp: 488

Ion	Ratio	Lower	Upper
41	100		
43	39.1	84.5	124.5#

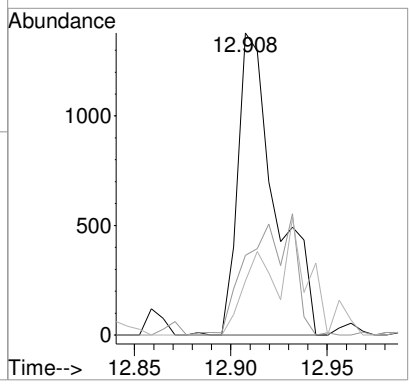


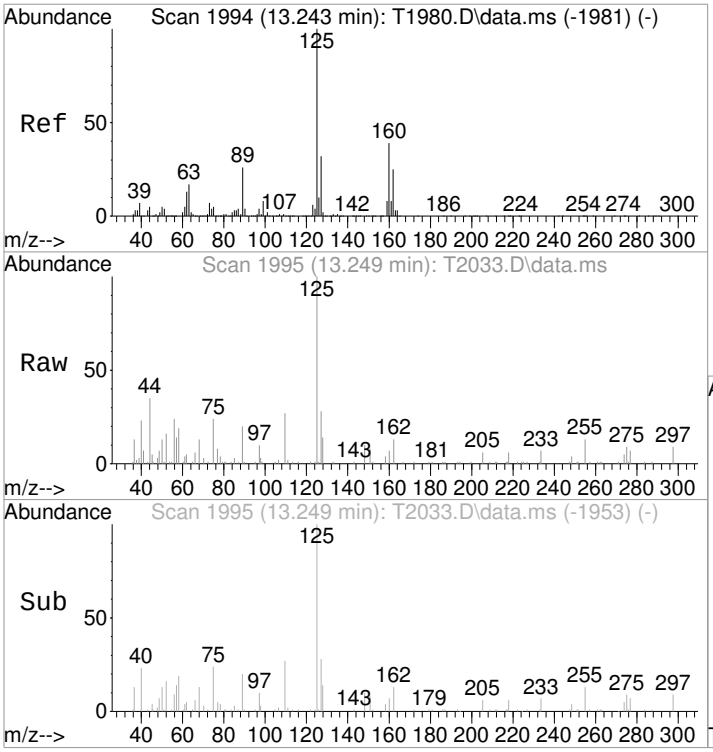


#111
Trielution Dichlorotoluene
Concen: 0.41 ug/L
RT: 12.908 min Scan# 1939
Delta R.T. -0.006 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion:125 Resp: 1881

Ion	Ratio	Lower	Upper
125	100		
160	26.4	24.5	64.5
89	17.9	12.9	52.9

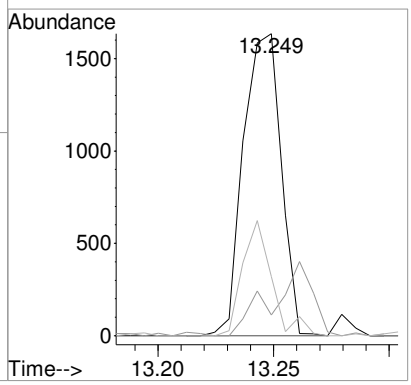


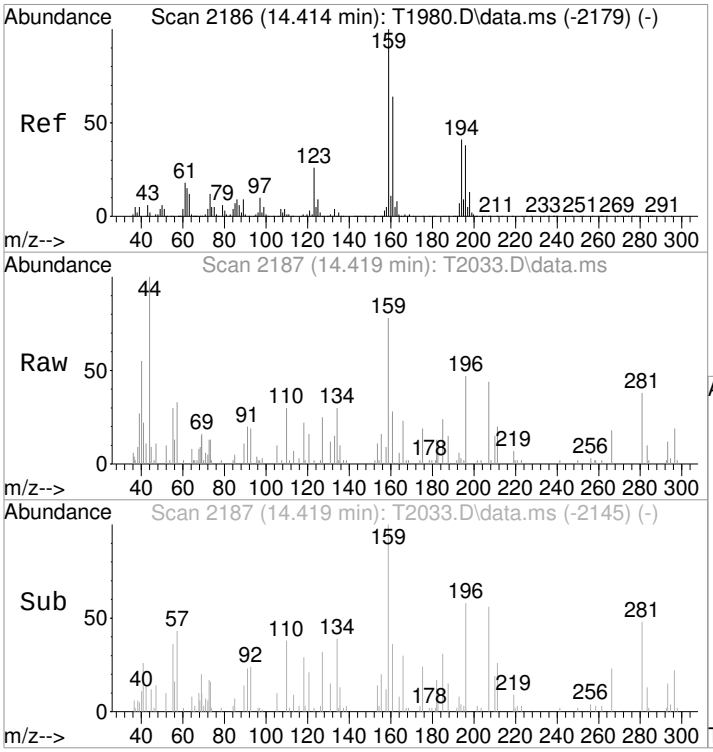


#113
Coelution Dichlorotoluene
Concen: 0.36 ug/L
RT: 13.249 min Scan# 1995
Delta R.T. 0.006 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion:125 Resp: 1850

Ion	Ratio	Lower	Upper
125	100		
160	6.9	18.9	58.9#
89	20.4	6.1	46.1

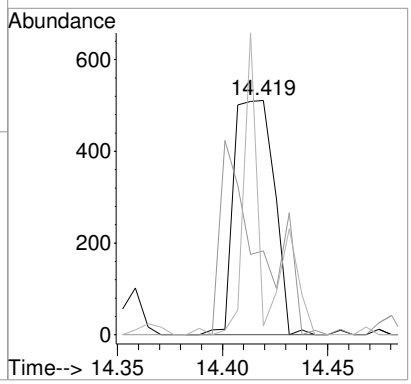


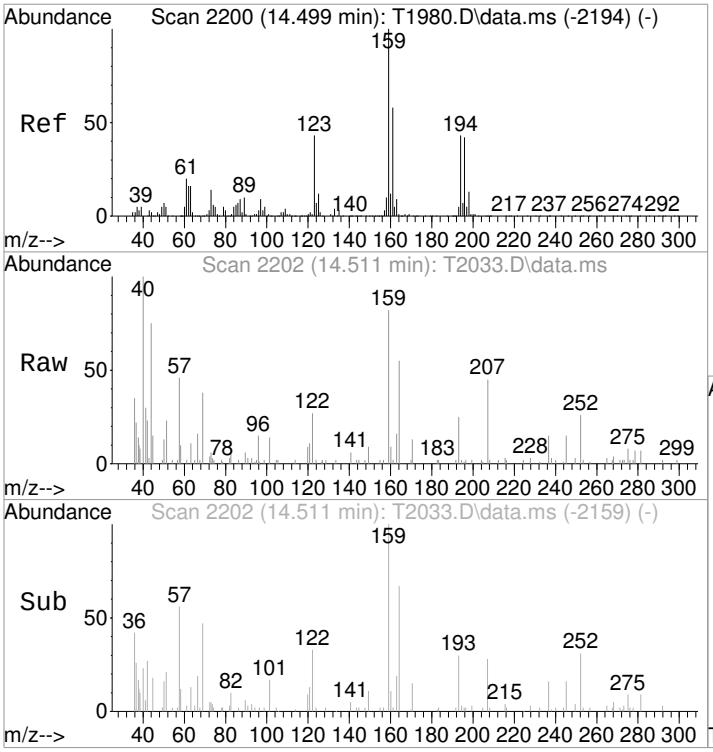


#118
2,4,5-Trichlorotoluene
Concen: 0.66 ug/L
RT: 14.419 min Scan# 2187
Delta R.T. 0.006 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion:159 Resp: 677

Ion	Ratio	Lower	Upper
159	100		
161	35.8	43.8	83.8#
194	3.7	20.8	60.8#

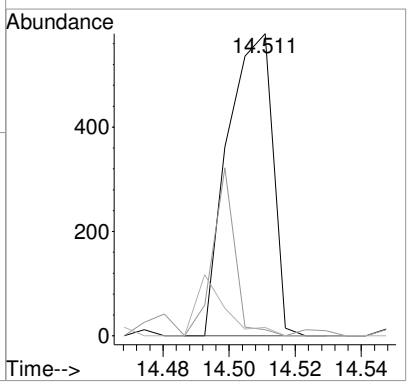




#119
2,3,6-Trichlorotoluene
Concen: 0.26 ug/L
RT: 14.511 min Scan# 2202
Delta R.T. 0.012 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion:159 Resp: 546

Ion	Ratio	Lower	Upper
159	100		
161	2.1	37.8	77.8#
194	2.8	22.8	62.8#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2030.D
Acq On : 21 Sep 2020 10:31 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 10:58:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	306889	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	481351	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	438918	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	237064	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	148191	50.69	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.38%				
46) surr1,1,2-dichloroetha...	5.781	65	177426	51.09	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.18%				
64) SURR3,Toluene-d8	8.311	98	574529	51.13	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.26%				
69) SURR2,BFB	10.877	95	218199	49.26	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.52%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	77174	24.34	ug/L		97
3) Chloromethane	1.282	50	93220	21.17	ug/L		99
4) Vinyl Chloride	1.361	62	81567	21.97	ug/L		93
5) Bromomethane	1.587	94	54491	18.38	ug/L		97
6) Chloroethane	1.666	64	41095	17.94	ug/L		95
7) Freon 21	1.818	67	110648	18.87	ug/L		98
8) Trichlorofluoromethane	1.861	101	89199	19.81	ug/L		94
9) Diethyl Ether	2.099	59	58772	19.46	ug/L		82
10) Freon 123a	2.105	67	60404	18.14	ug/L		94
11) Freon 123	2.154	83	71558	17.46	ug/L		93
12) Acrolein	2.202	56	30818	33.08	ug/L		96
13) 1,1-Diclethene	2.288	96	53945	23.68	ug/L		96
14) Freon 113	2.294	101	55003	19.80	ug/L		98
15) Acetone	2.330	43	28009	18.58	ug/L		98
16) 2-Propanol	2.464	45	131251	362.76	ug/L		96
17) Iodomethane	2.422	142	76313	19.87	ug/L		94
18) Carbon Disulfide	2.483	76	177867	20.97	ug/L		99
19) Acetonitrile	2.586	41	64283	95.78	ug/L		91
20) Allyl Chloride	2.623	76	33328	19.63	ug/L		97
21) Methyl Acetate	2.647	43	74336	19.60	ug/L		97
22) Methylene Chloride	2.739	84	63340	19.25	ug/L		91
23) TBA	2.867	59	193106	363.13	ug/L		98
24) Acrylonitrile	2.995	53	154224	95.26	ug/L		96
25) Methyl-t-Butyl Ether	3.044	73	194827	20.68	ug/L		99
26) trans-1,2-Dichloroethene	3.031	96	57569	22.41	ug/L		89
27) 1,1-Diclethane	3.525	63	111363	20.91	ug/L		87
28) Vinyl Acetate	3.623	86	13403	22.84	ug/L	#	86
29) DIPE	3.653	45	225810	21.20	ug/L		92
30) 2-Chloro-1,3-Butadiene	3.653	53	93113	18.50	ug/L		93
31) ETBE	4.190	59	188202	20.85	ug/L		98
32) 2,2-Dichloropropane	4.367	77	88032	20.44	ug/L		93
33) cis-1,2-Dichloroethene	4.373	96	60639	19.62	ug/L	#	75
34) 2-Butanone	4.421	43	42893	19.25	ug/L		84
35) Propionitrile	4.507	54	59844	87.76	ug/L		75
36) Bromochloromethane	4.775	130	39798	19.60	ug/L	#	83
37) Methacrylonitrile	4.775	67	34652	20.78	ug/L		90
38) Tetrahydrofuran	4.860	42	27887	16.68	ug/L		82
39) Chloroform	4.952	83	100932	19.56	ug/L		93
40) 1,1,1-Trichloroethane	5.257	97	83381	19.16	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2030.D
Acq On : 21 Sep 2020 10:31 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 10:58:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	59274	18.94	ug/L		98
44) Carbontetrachloride	5.531	117	67992	19.37	ug/L		96
45) 1,1-Dichloropropene	5.543	75	75592	19.64	ug/L		94
47) Benzene	5.866	78	241717	20.65	ug/L		99
48) 1,2-Dichloroethane	5.903	62	79822	18.91	ug/L		96
49) Iso-Butyl Alcohol	5.878	43	86434	343.80	ug/L		84
50) TAME	6.104	73	191653	21.61	ug/L		97
51) n-Heptane	6.360	43	86445	20.90	ug/L		96
52) 1-Butanol	6.848	56	123981	877.09	ug/L		100
53) Trichloroethene	6.817	130	53980	18.74	ug/L		97
54) Methylcyclohexane	7.055	55	77648	18.97	ug/L		86
55) 1,2-Diclpropane	7.104	63	63114	18.62	ug/L		95
56) Dibromomethane	7.250	93	40257	18.13	ug/L		87
57) 1,4-Dioxane	7.305	88	20703	340.81	ug/L		95
58) Methyl Methacrylate	7.329	69	50569	19.20	ug/L		91
59) Bromodichloromethane	7.476	83	76706	18.36	ug/L		99
60) 2-Nitropropane	7.750	41	41289	39.15	ug/L		94
61) 2-Chloroethylvinyl Ether	7.884	63	31634	20.64	ug/L		96
62) cis-1,3-Dichloropropene	8.018	75	94191	19.45	ug/L		95
63) 4-Methyl-2-pentanone	8.226	43	84417	18.88	ug/L		98
65) Toluene	8.384	91	251406	19.98	ug/L		96
66) trans-1,3-Dichloropropene	8.658	75	84599	18.36	ug/L		92
67) Ethyl Methacrylate	8.799	69	86217	17.23	ug/L		98
68) 1,1,2-Trichloroethane	8.847	97	53995	18.06	ug/L		96
71) Tetrachloroethene	8.982	164	41300	17.93	ug/L		96
72) 2-Hexanone	9.140	43	59539	18.87	ug/L		98
73) 1,3-Dichloropropane	9.012	76	89955	18.46	ug/L		91
74) Dibromochloromethane	9.238	129	62415	19.67	ug/L		96
75) N-Butyl Acetate	9.292	43	123746	17.80	ug/L		98
76) 1,2-Dibromoethane	9.335	107	57688	18.01	ug/L		95
77) 3-Chlorobenzotrifluoride	9.847	180	80406	19.35	ug/L		98
78) Chlorobenzene	9.829	112	156462	19.67	ug/L		97
79) 4-Chlorobenzotrifluoride	9.902	180	72452	20.45	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.920	131	53963	18.90	ug/L		93
81) Ethylbenzene	9.951	106	80712	19.70	ug/L	#	84
82) (m+p)Xylene	10.067	106	206809	41.74	ug/L		95
83) o-Xylene	10.420	106	101595	19.81	ug/L		95
84) Styrene	10.432	104	165994	19.56	ug/L		92
85) Bromoform	10.585	173	41289	16.66	ug/L		94
86) 2-Chlorobenzotrifluoride	10.664	180	75905	18.98	ug/L		90
87) Isopropylbenzene	10.756	105	256243	20.75	ug/L		99
88) Cyclohexanone	10.817	55	251153	345.63	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.066	53	19320	17.15	ug/L		83
91) 1,1,2,2-Tetrachloroethane	11.018	83	87526	20.25	ug/L		95
92) Bromobenzene	11.006	156	68567	18.79	ug/L		94
93) 1,2,3-Trichloropropane	11.048	110	21410	17.93	ug/L	#	84
94) n-Propylbenzene	11.109	91	313188	21.19	ug/L		92
95) 2-Chlorotoluene	11.176	91	190738	19.97	ug/L		95
96) 3-Chlorotoluene	11.231	91	193299	19.66	ug/L		95
97) 4-Chlorotoluene	11.268	91	206970	19.41	ug/L		93
98) 1,3,5-Trimethylbenzene	11.268	105	218246	21.02	ug/L		96
99) tert-Butylbenzene	11.536	119	184519	20.63	ug/L		91
100) 1,2,4-Trimethylbenzene	11.579	105	226275	21.82	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	63478	18.05	ug/L		93
102) sec-Butylbenzene	11.719	105	274837	21.14	ug/L		99
103) p-Isopropyltoluene	11.841	119	226379	21.00	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2030.D
Acq On : 21 Sep 2020 10:31 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 10:58:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

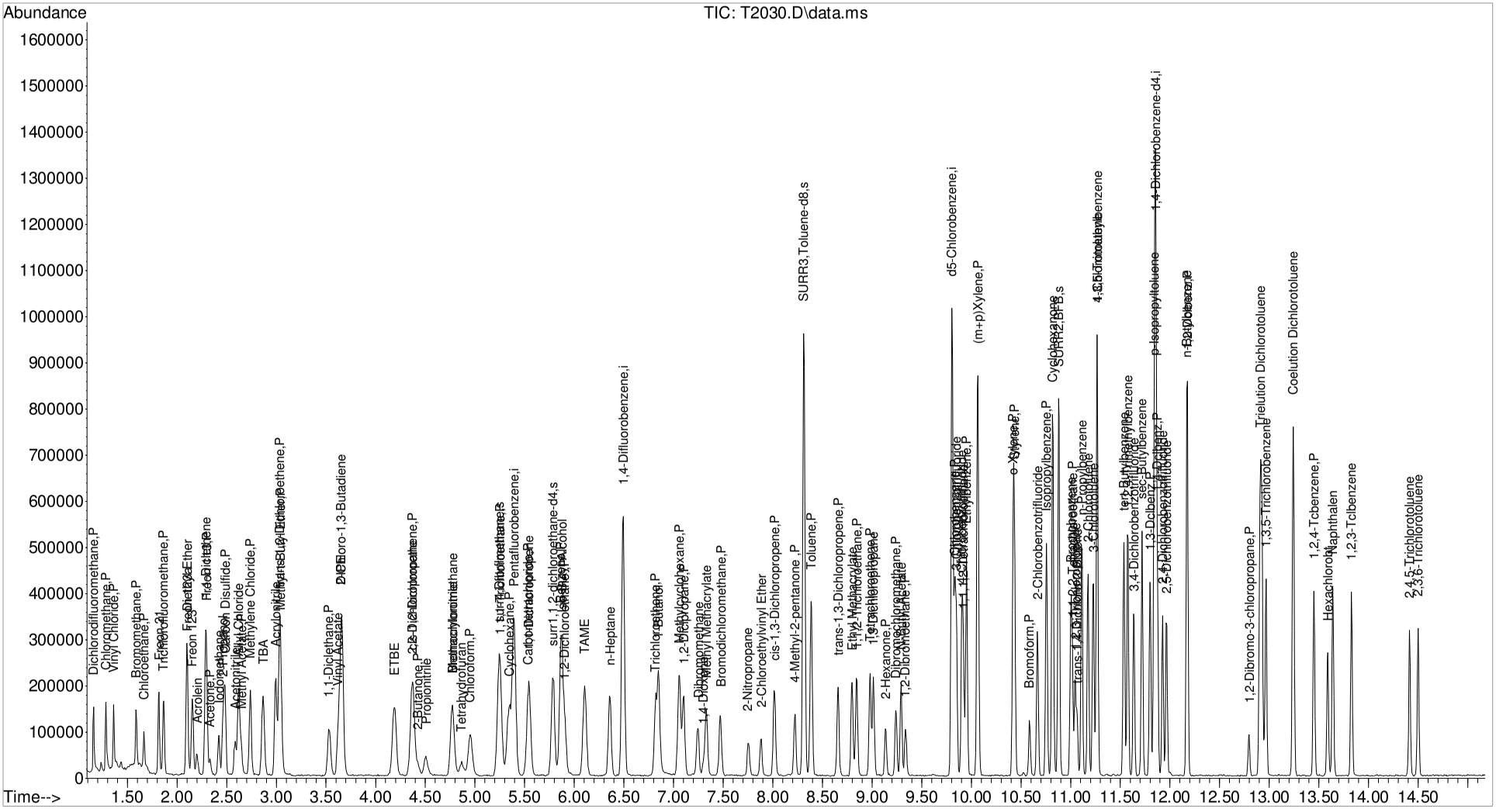
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	129520	19.61 ug/L	92
105) 1,4-Dclbenz	11.871	146	128795	18.42 ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	56768	18.69 ug/L	95
107) 2,5-Dichlorobenzotrifl...	11.969	214	64063	18.27 ug/L	97
108) n-Butylbenzene	12.170	91	209301	20.63 ug/L	97
109) 1,2-Dclbenz	12.176	146	120388	18.44 ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.798	157	17588	15.91 ug/L #	70
111) Trielution Dichlorotol...	12.914	125	333516	62.54 ug/L	93
112) 1,3,5-Trichlorobenzene	12.969	180	90631	19.20 ug/L	91
113) Coelution Dichlorotoluene	13.243	125	237519	40.05 ug/L	95
114) 1,2,4-Tcbenzene	13.450	180	88998	19.17 ug/L	93
115) Hexachlorobt	13.590	225	38017	18.89 ug/L	84
116) Naphthalen	13.639	128	238172	20.64 ug/L	96
117) 1,2,3-Tclbenzene	13.828	180	84429	19.27 ug/L	96
118) 2,4,5-Trichlorotoluene	14.413	159	58036	21.15 ug/L	90
119) 2,3,6-Trichlorotoluene	14.499	159	54359	22.44 ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2030.D
Acq On : 21 Sep 2020 10:31 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 10:58:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



1st FJ 09/21/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	118	0.00
2	P	Dichlorodifluoromethane	50.000	54.659	-9.3	114	0.00
3	P	Chloromethane	50.000	52.641	-5.3	121	0.00
4	P	Vinyl Chloride	50.000	56.379	-12.8	123	0.00
5	P	Bromomethane	50.000	43.822	12.4	125	0.00
6	P	Chloroethane	50.000	45.892	8.2	130	0.00
7		Freon 21	50.000	50.527	-1.1	134	0.00
8	P	Trichlorofluoromethane	50.000	46.489	7.0	111	0.00
9		Diethyl Ether	50.000	47.646	4.7	124	0.00
10		Freon 123a	50.000	54.761	-9.5	135	0.00
11		Freon 123	50.000	48.534	2.9	130	0.00
12		Acrolein	250.000	217.065	13.2	111	0.00
13		1,1-Diclethene	50.000	47.376	5.2	120	0.00
14	P	Freon 113	50.000	45.790	8.4	114	0.00
15	P	Acetone	50.000	45.061	9.9	112	0.00
16		2-Propanol	1000.000	874.194	12.6	109	0.00
17		Iodomethane	50.000	48.724	2.6	110	0.00
18	P	Carbon Disulfide	50.000	47.237	5.5	106	0.00
19		Acetonitrile	250.000	226.160	9.5	119	0.00
20		Allyl Chloride	50.000	47.021	6.0	116	0.00
21	P	Methyl Acetate	50.000	46.315	7.4	114	0.00
22	P	Methylene Chloride	50.000	48.592	2.8	123	0.00
23		TBA	1000.000	862.241	13.8	108	0.00
24		Acrylonitrile	250.000	248.765	0.5	118	0.00
25	P	Methyl-t-Butyl Ether	50.000	49.985	0.0	118	0.00
26	P	trans-1,2-Dichloroethene	50.000	47.764	4.5	114	0.00
27	P	1,1-Diclethane	50.000	50.278	-0.6	116	0.00
28		Vinyl Acetate	50.000	52.191	-4.4	137	0.00
29		DIPE	50.000	49.833	0.3	126	0.00
30		2-Chloro-1,3-Butadiene	50.000	42.943	14.1	105	0.00
31		ETBE	50.000	52.306	-4.6	121	-0.01
32		2,2-Dichloropropane	50.000	50.337	-0.7	122	0.00
33	P	cis-1,2-Dichloroethene	50.000	46.544	6.9	108	0.00
34	P	2-Butanone	50.000	43.756	12.5	109	0.00
35		Propionitrile	250.000	227.097	9.2	111	0.00
36		Bromochloromethane	50.000	49.358	1.3	119	0.00
37		Methacrylonitrile	50.000	46.469	7.1	113	0.00
38		Tetrahydrofuran	50.000	40.035	19.9	99	0.00
39	P	Chloroform	50.000	47.934	4.1	116	0.00
40	P	1,1,1-Trichloroethane	50.000	45.201	9.6	106	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	117	0.00
42	P	Cyclohexane	50.000	51.303	-2.6	131	0.00
43	s	surr4,Dibrflmethane	50.000	51.618	-3.2	123	0.00
44	P	Carbontetrachloride	50.000	47.570	4.9	104	0.00
45		1,1-Dichloropropene	50.000	47.130	5.7	110	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	50.019	-0.0	119	0.00
47	P	Benzene	50.000	49.093	1.8	113	0.00
48	P	1,2-Dichloroethane	50.000	48.905	2.2	118	0.00
49		Iso-Butyl Alcohol	1000.000	832.066	16.8	105	0.00
50		TAME	50.000	50.140	-0.3	122	0.00
51		n-Heptane	50.000	46.457	7.1	106	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	2201.518	11.9	104	0.00
53	P	Trichloroethene	50.000	47.820	4.4	108	0.00
54	P	Methylcyclohexane	50.000	48.621	2.8	137	0.00
55	P	1,2-Diclpropane	50.000	46.814	6.4	115	0.00
56		Dibromomethane	50.000	47.393	5.2	118	0.00
57		1,4-Dioxane	1000.000	823.851	17.6	105	0.00
58		Methyl Methacrylate	50.000	49.901	0.2	117	0.00
59	P	Bromodichloromethane	50.000	48.767	2.5	119	0.00
60		2-Nitropropane	100.000	98.585	1.4	114	0.00
61		2-Chloroethylvinyl Ether	50.000	45.839	8.3	118	0.00
62	P	cis-1,3-Dichloropropene	50.000	51.076	-2.2	118	0.00
63	P	4-Methyl-2-pentanone	50.000	40.801	18.4	105	0.00
64	s	SURR3,Toluene-d8	50.000	51.510	-3.0	119	0.00
65	P	Toluene	50.000	48.246	3.5	112	0.00
66	P	trans-1,3-Dichloropropene	50.000	49.162	1.7	119	0.00
67		Ethyl Methacrylate	50.000	47.119	5.8	116	0.00
68	P	1,1,2-Trichloroethane	50.000	48.262	3.5	117	0.00
69	s	SURR2,BFB	50.000	52.660	-5.3	120	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	116	0.00
71	P	Tetrachloroethene	50.000	45.139	9.7	107	0.00
72	P	2-Hexanone	50.000	43.282	13.4	105	0.00
73		1,3-Dichloropropane	50.000	49.134	1.7	118	0.00
74	P	Dibromochloromethane	50.000	49.340	1.3	109	0.00
75		N-Butyl Acetate	50.000	45.367	9.3	109	0.00
76	P	1,2-Dibromoethane	50.000	48.277	3.4	114	0.00
77		3-Chlorobenzotrifluoride	50.000	50.562	-1.1	124	0.00
78	P	Chlorobenzene	50.000	49.981	0.0	117	0.00
79		4-Chlorobenzotrifluoride	50.000	53.707	-7.4	127	0.00
80		1,1,1,2-Tetrachloroethane	50.000	48.947	2.1	109	0.00
81	P	Ethylbenzene	50.000	49.241	1.5	107	0.00
82	P	(m+p)Xylene	100.000	102.145	-2.1	109	0.00
83	P	o-Xylene	50.000	49.242	1.5	110	0.00
84	P	Styrene	50.000	52.127	-4.3	113	0.00
85	P	Bromoform	50.000	48.016	4.0	120	0.00
86		2-Chlorobenzotrifluoride	50.000	53.955	-7.9	123	0.00
87	P	Isopropylbenzene	50.000	50.436	-0.9	105	0.00
88		Cyclohexanone	1000.000	811.276	18.9	98	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	42.522	15.0	119	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	121	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	45.108	9.8	116	0.00
92		Bromobenzene	50.000	43.650	12.7	109	0.00
93		1,2,3-Trichloropropane	50.000	46.234	7.5	113	0.00
94		n-Propylbenzene	50.000	45.805	8.4	108	0.00
95		2-Chlorotoluene	50.000	44.289	11.4	110	0.00
96		3-Chlorotoluene	50.000	46.943	6.1	123	0.00
97		4-Chlorotoluene	50.000	45.451	9.1	113	0.00
98		1,3,5-Trimethylbenzene	50.000	46.955	6.1	108	0.00
99		tert-Butylbenzene	50.000	42.830	14.3	100	0.00
100		1,2,4-Trimethylbenzene	50.000	47.401	5.2	106	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	46.947	6.1	124	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	44.596	10.8	100	0.00
103		p-Isopropyltoluene	50.000	45.126	9.7	101	0.00
104	P	1,3-Dclbenz	50.000	47.696	4.6	112	0.00
105	P	1,4-Dclbenz	50.000	46.511	7.0	113	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	51.641	-3.3	129	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	48.311	3.4	128	0.00
108		n-Butylbenzene	50.000	43.066	13.9	102	0.00
109	P	1,2-Dclbenz	50.000	47.705	4.6	111	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	43.014	14.0	107	0.00
111		Trielution Dichlorotoluene	150.000	153.875	-2.6	122	0.00
112		1,3,5-Trichlorobenzene	50.000	48.770	2.5	121	0.00
113		Coelution Dichlorotoluene	100.000	97.675	2.3	118	0.00
114	P	1,2,4-Tcbenzene	50.000	46.495	7.0	108	0.00
115		Hexachlorobt	50.000	38.509	23.0#	94	0.00
116		Naphthalen	50.000	48.043	3.9	107	0.00
117		1,2,3-Tclbenzene	50.000	46.638	6.7	105	0.00
118		2,4,5-Trichlorotoluene	50.000	50.888	-1.8	120	0.00
119		2,3,6-Trichlorotoluene	50.000	53.862	-7.7	115	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	336520	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	521575	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.804	117	475401	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	289480	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	163527	51.62	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.24%				
46) surr1,1,2-dichloroetha...	5.787	65	188210	50.02	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.04%				
64) SURR3,Toluene-d8	8.311	98	627223	51.51	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.02%				
69) SURR2,BFB	10.877	95	252740	52.66	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.32%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	190001	54.66	ug/L		99
3) Chloromethane	1.282	50	254128	52.64	ug/L		98
4) Vinyl Chloride	1.361	62	229537	56.38	ug/L		98
5) Bromomethane	1.587	94	142438	43.82	ug/L		99
6) Chloroethane	1.666	64	115296	45.89	ug/L		92
7) Freon 21	1.818	67	324886	50.53	ug/L		98
8) Trichlorofluoromethane	1.861	101	229533	46.49	ug/L		99
9) Diethyl Ether	2.099	59	157810	47.65	ug/L		94
10) Freon 123a	2.099	67	199393	54.76	ug/L		91
11) Freon 123	2.154	83	218143	48.53	ug/L		99
12) Acrolein	2.196	56	221777	217.06	ug/L		94
13) 1,1-Diclethene	2.288	96	118341	47.38	ug/L		94
14) Freon 113	2.294	101	139501	45.79	ug/L		94
15) Acetone	2.330	43	74482	45.06	ug/L		97
16) 2-Propanol	2.464	45	346837	874.19	ug/L		95
17) Iodomethane	2.422	142	219461	48.72	ug/L		98
18) Carbon Disulfide	2.483	76	439275	47.24	ug/L		99
19) Acetonitrile	2.580	41	166437	226.16	ug/L		97
20) Allyl Chloride	2.617	76	87563	47.02	ug/L	#	81
21) Methyl Acetate	2.641	43	183889	46.32	ug/L		99
22) Methylene Chloride	2.733	84	175310	48.59	ug/L		88
23) TBA	2.867	59	502800	862.24	ug/L		100
24) Acrylonitrile	2.989	53	441615	248.77	ug/L		91
25) Methyl-t-Butyl Ether	3.044	73	516427	49.99	ug/L		99
26) trans-1,2-Dichloroethene	3.031	96	134529	47.76	ug/L		97
27) 1,1-Diclethane	3.531	63	293601	50.28	ug/L		99
28) Vinyl Acetate	3.623	86	33577	52.19	ug/L	#	86
29) DIPE	3.659	45	582089	49.83	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.659	53	237031	42.94	ug/L		90
31) ETBE	4.184	59	517638	52.31	ug/L		96
32) 2,2-Dichloropropane	4.367	77	237737	50.34	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	157729	46.54	ug/L		91
34) 2-Butanone	4.427	43	106919	43.76	ug/L		91
35) Propionitrile	4.507	54	169801	227.10	ug/L		93
36) Bromochloromethane	4.775	130	109905	49.36	ug/L		89
37) Methacrylonitrile	4.775	67	82655	46.47	ug/L		94
38) Tetrahydrofuran	4.866	42	69359	40.03	ug/L		91
39) Chloroform	4.952	83	271291	47.93	ug/L		95
40) 1,1,1-Trichloroethane	5.257	97	215657	45.20	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.348	41	169528	51.30	ug/L	99
44) Carbontetrachloride	5.531	117	180958	47.57	ug/L	92
45) 1,1-Dichloropropene	5.549	75	196566	47.13	ug/L	94
47) Benzene	5.866	78	622743	49.09	ug/L	98
48) 1,2-Dichloroethane	5.903	62	223657	48.91	ug/L	96
49) Iso-Butyl Alcohol	5.878	43	226667	832.07	ug/L	88
50) TAME	6.104	73	481857	50.14	ug/L	95
51) n-Heptane	6.360	43	208242	46.46	ug/L	96
52) 1-Butanol	6.848	56	337200	2201.52	ug/L	95
53) Trichloroethene	6.823	130	149232	47.82	ug/L	93
54) Methylcyclohexane	7.055	55	215674	48.62	ug/L	90
55) 1,2-Diclpropane	7.098	63	171964	46.81	ug/L	94
56) Dibromomethane	7.244	93	114057	47.39	ug/L	84
57) 1,4-Dioxane	7.299	88	54228	823.85	ug/L	87
58) Methyl Methacrylate	7.329	69	140694	49.90	ug/L	93
59) Bromodichloromethane	7.470	83	220724	48.77	ug/L	94
60) 2-Nitropropane	7.756	41	111097	98.59	ug/L	98
61) 2-Chloroethylvinyl Ether	7.884	63	76128	45.84	ug/L	98
62) cis-1,3-Dichloropropene	8.018	75	267972	51.08	ug/L	98
63) 4-Methyl-2-pentanone	8.219	43	197688	40.80	ug/L	97
65) Toluene	8.384	91	657967	48.25	ug/L	98
66) trans-1,3-Dichloropropene	8.658	75	245481	49.16	ug/L	99
67) Ethyl Methacrylate	8.799	69	255512	47.12	ug/L	97
68) 1,1,2-Trichloroethane	8.841	97	156314	48.26	ug/L	97
71) Tetrachloroethene	8.981	164	112638	45.14	ug/L	93
72) 2-Hexanone	9.134	43	147880	43.28	ug/L	87
73) 1,3-Dichloropropane	9.012	76	259377	49.13	ug/L	95
74) Dibromochloromethane	9.238	129	169549	49.34	ug/L	94
75) N-Butyl Acetate	9.292	43	341658	45.37	ug/L	99
76) 1,2-Dibromoethane	9.335	107	167444	48.28	ug/L	96
77) 3-Chlorobenzotrifluoride	9.853	180	227623	50.56	ug/L	97
78) Chlorobenzene	9.835	112	430720	49.98	ug/L	96
79) 4-Chlorobenzotrifluoride	9.908	180	206108	53.71	ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.920	131	151399	48.95	ug/L	96
81) Ethylbenzene	9.951	106	218509	49.24	ug/L	96
82) (m+p)Xylene	10.067	106	548168	102.15	ug/L	98
83) o-Xylene	10.420	106	273497	49.24	ug/L	98
84) Styrene	10.438	104	479129	52.13	ug/L	99
85) Bromoform	10.585	173	128921	48.02	ug/L	95
86) 2-Chlorobenzotrifluoride	10.664	180	233699	53.96	ug/L	93
87) Isopropylbenzene	10.756	105	674691	50.44	ug/L	97
88) Cyclohexanone	10.816	55	638525	811.28	ug/L	97
89) trans-1,4-Dichloro-2-B...	11.066	53	51895	42.52	ug/L	96
91) 1,1,2,2-Tetrachloroethane	11.018	83	238055	45.11	ug/L	93
92) Bromobenzene	11.005	156	194486	43.65	ug/L	92
93) 1,2,3-Trichloropropane	11.048	110	67417	46.23	ug/L	94
94) n-Propylbenzene	11.109	91	826659	45.81	ug/L	94
95) 2-Chlorotoluene	11.176	91	516434	44.29	ug/L	98
96) 3-Chlorotoluene	11.231	91	563512	46.94	ug/L	98
97) 4-Chlorotoluene	11.268	91	591700	45.45	ug/L	96
98) 1,3,5-Trimethylbenzene	11.268	105	595342	46.95	ug/L	97
99) tert-Butylbenzene	11.536	119	467870	42.83	ug/L	100
100) 1,2,4-Trimethylbenzene	11.579	105	600325	47.40	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.640	214	201616	46.95	ug/L	95
102) sec-Butylbenzene	11.719	105	707911	44.60	ug/L	98
103) p-Isopropyltoluene	11.841	119	593987	45.13	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

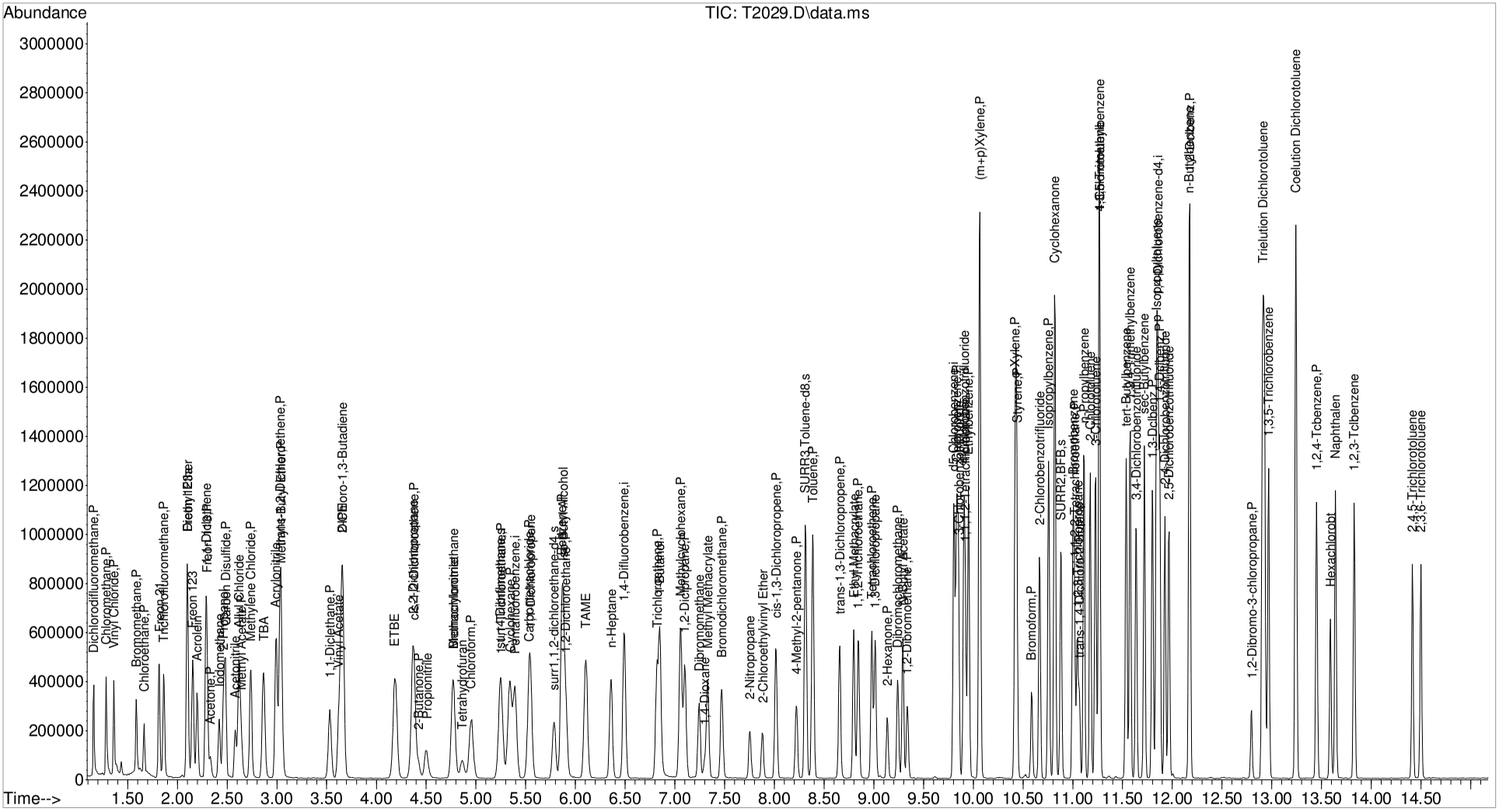
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	384755	47.70	ug/L	95
105) 1,4-Dclbenz	11.871	146	397184	46.51	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.926	214	191551	51.64	ug/L	95
107) 2,5-Dichlorobenzotrifl...	11.969	214	206810	48.31	ug/L	97
108) n-Butylbenzene	12.170	91	533445	43.07	ug/L	100
109) 1,2-Dclbenz	12.176	146	380410	47.71	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.798	157	58071	43.01	ug/L	90
111) Trielution Dichlorotol...	12.914	125	1002098	153.88	ug/L	96
112) 1,3,5-Trichlorobenzene	12.969	180	281165	48.77	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	707415	97.68	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	263561	46.50	ug/L	99
115) Hexachlorobt	13.590	225	94661	38.51	ug/L	98
116) Naphthalen	13.639	128	676957	48.04	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	249474	46.64	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	177892	50.89	ug/L	95
119) 2,3,6-Trichlorotoluene	14.499	159	159325	53.86	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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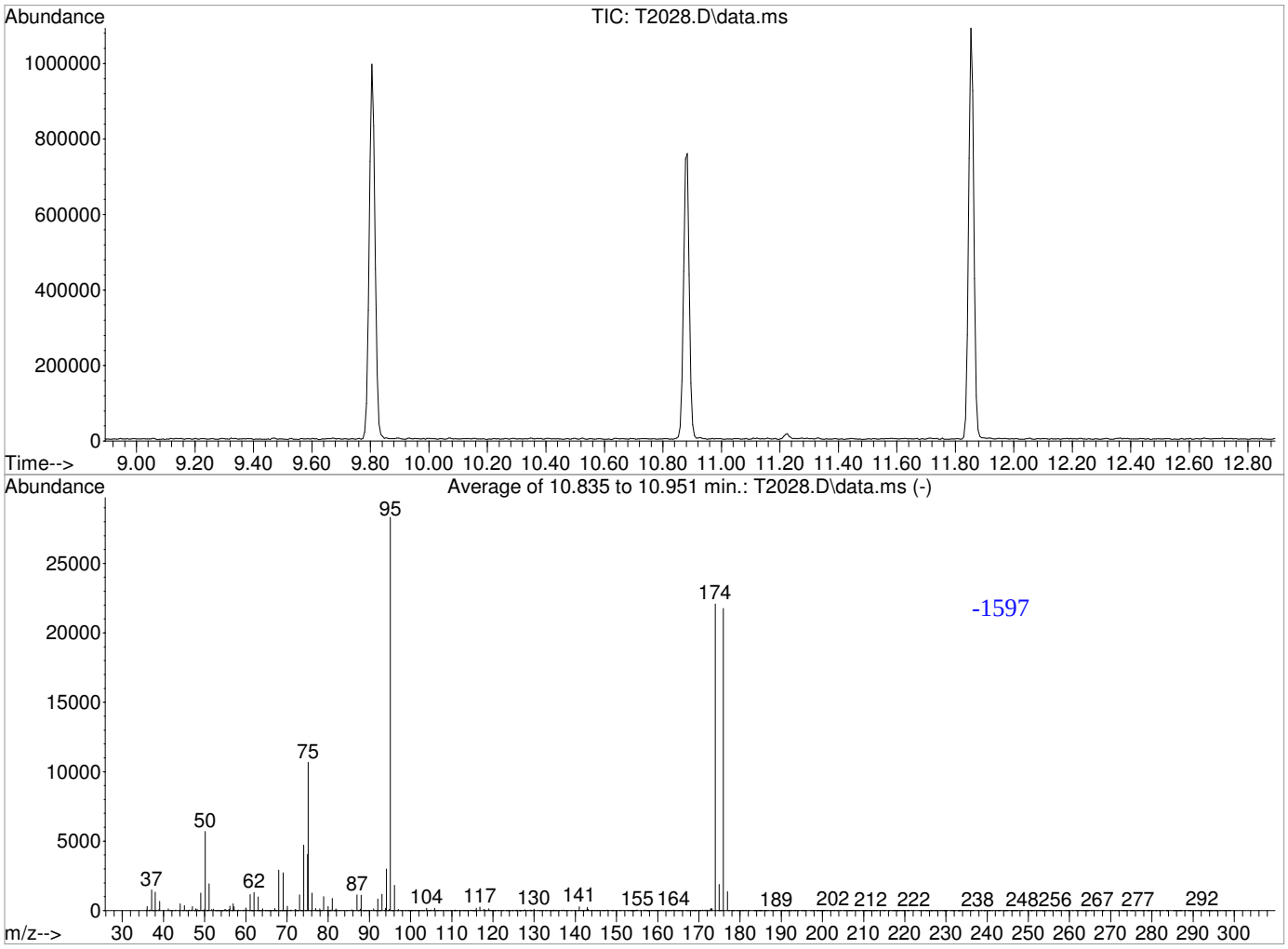
1st 09/21/20

BFB

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2028.D
Acq On : 21 Sep 2020 9:23 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 17 16:48:28 2020



Spectrum Information: Average of 10.835 to 10.951 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	5693	PASS
75	95	30	60	37.7	10669	PASS
95	95	100	100	100.0	28317	PASS
96	95	5	9	6.5	1828	PASS
173	174	0.00	2	0.7	161	PASS
174	95	50	120	78.0	22080	PASS
175	174	5	9	8.6	1894	PASS
176	174	95	101	98.6	21768	PASS
177	176	5	9	6.3	1371	PASS

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2000142-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1975.D	09/17/2020 12:47
02	RC2000142-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1976.D	09/17/2020 13:09
03	RC2000142-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1977.D	09/17/2020 13:31
04	RC2000142-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1978.D	09/17/2020 13:53
05	RC2000142-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1979.D	09/17/2020 14:14
06	RC2000142-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1980.D	09/17/2020 14:36
07	RC2000142-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1981.D	09/17/2020 14:58
08	RC2000142-08	200 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1983.D	09/17/2020 15:42
09	RC2000142-09	150 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1985.D	09/17/2020 16:26

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9968	02	1.000	0.6225	03	2.000	0.699	04	5.000	0.7427
05	20.000	0.6854	06	50.000	0.7137	07	100.000	0.609	09	150.000	0.6816
08	200.000	0.6293									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9169	02	1.000	0.8689	03	2.000	0.8882	04	5.000	0.9283
05	20.000	0.9523	06	50.000	0.8852	07	100.000	0.7786	09	150.000	0.8315
08	200.000	0.7587									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4494	02	1.000	0.3648	03	2.000	0.3605	04	5.000	0.359
05	20.000	0.363	06	50.000	0.3466	07	100.000	0.317	09	150.000	0.3528
08	200.000	0.4271									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4795	05	20.000	0.4259	06	50.000	0.4752	07	100.000	0.4632
09	200.000	0.4567									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3399	05	20.000	0.2769	06	50.000	0.298	07	100.000	0.3054
09	200.000	0.2982									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3258	02	1.000	0.2479	03	2.000	0.2499	04	5.000	0.2486
05	20.000	0.2564	06	50.000	0.2582	07	100.000	0.2331	09	150.000	0.2706
08	200.000	0.2717									

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.316	05	20.000	1.086	06	50.000	1.181	07	100.000	1.154
09	200.000	1.099									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3374	02	1.000	0.2417	03	2.000	0.2841	04	5.000	0.3117
05	20.000	0.2967	06	50.000	0.3102	07	100.000	0.2876	09	150.000	0.3116
08	200.000	0.3114									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6253	02	1.000	0.6719	03	2.000	0.6097	04	5.000	0.6243
05	20.000	0.7144	06	50.000	0.6538	07	100.000	0.547	09	150.000	0.4479
08	200.000	0.5498									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5906	02	1.000	0.4485	03	2.000	0.5256	04	5.000	0.5407
05	20.000	0.5197	06	50.000	0.5127	07	100.000	0.4708	09	150.000	0.4805
08	200.000	0.4425									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3703	02	1.000	0.5791	03	2.000	0.4162	04	5.000	0.415
05	20.000	0.4214	06	50.000	0.4126	07	100.000	0.3725	09	150.000	0.4075
08	200.000	0.3717									

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000142 **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	16.5	≤20	0.7089	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.6	≤20	0.8676	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	11.1	≤20	0.3711	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	4.6	≤20	0.4601	
Dibromofluoromethane	SURR	Average RF	% RSD	7.5	≤20	0.3037	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.1	≤20	0.2624	0.200
Toluene-d8	SURR	Average RF	% RSD	7.9	≤20	1.167	
Trichloroethene (TCE)	TRG	Average RF	% RSD	8.9	≤20	0.2992	0.200
Vinyl Chloride	TRG	Average RF	% RSD	13.2	≤20	0.6049	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	9.5	≤20	0.5035	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	15.3	≤20	0.4185	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2008604
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2000142-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091720\T1988.D	09/17/2020 17:31
11	RC2000142-11	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091820\T1995.D	09/18/2020 12:54

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.1	7.089E-1	6.116E-1	-13.727	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.2	8.676E-1	8.184E-1	-5.673	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	51.3	3.711E-1	3.811E-1	2.69	±30	Average RF
Tetrachloroethene (PCE)	50.0	42.6	2.624E-1	2.235E-1	-14.853	±30	Average RF
Trichloroethene (TCE)	50.0	45.1	2.992E-1	2.697E-1	-9.864	±30	Average RF
Vinyl Chloride	50.0	44.4	6.049E-1	5.372E-1	-11.195	±30	Average RF
cis-1,2-Dichloroethene	50.0	46.6	5.035E-1	4.688E-1	-6.886	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.2	4.185E-1	4.037E-1	-3.542	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.0	4.601E-1	4.781E-1	3.92	±30	Average RF
Dibromofluoromethane	50.0	51.3	3.037E-1	3.119E-1	2.69	±30	Average RF
Toluene-d8	50.0	52.4	1.167E0	1.224E0	4.88	±30	Average RF

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

Service Request: R2008604
Date Analyzed: 09/21/20 09:58

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\092120\T2029.D\
Signal ID: 1

Calibration Date: 9/17/2020
Calibration ID: RC2000142
Analysis Lot: 695857
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	45.2	0.7089	0.6408	-9.6	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.3	0.8676	0.8725	0.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	47.4	0.3711	0.3517	-5.2	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	45.1	0.2624	0.2369	-9.7	NA	±20	Average RF
Trichloroethene (TCE)	50.0	47.8	0.2992	0.2861	-4.4	NA	±20	Average RF
Vinyl Chloride	50.0	56.4	0.6049	0.6821	12.8	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	46.5	0.5035	0.4687	-6.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	47.8	0.4185	0.3998	-4.5	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.7	0.4601	0.4846	5.3	NA	±20	Average RF
Dibromofluoromethane	50.0	51.6	0.3037	0.3135	3.2	NA	±20	Average RF
Toluene-d8	50.0	51.5	1.1673	1.2026	3.0	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**695857
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092120\T2028.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	09:23:00	
I:\ACQUDATA\msvoa10\data\092120\T2029.D\	Continuing Calibration Verification	RQ2011047-02	9/21/2020	09:58:00	
I:\ACQUDATA\msvoa10\data\092120\T2030.D\	Lab Control Sample	RQ2011047-03	9/21/2020	10:31:00	
I:\ACQUDATA\msvoa10\data\092120\T2031.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	10:52:00	
I:\ACQUDATA\msvoa10\data\092120\T2033.D\	Method Blank	RQ2011047-05	9/21/2020	11:50:00	
I:\ACQUDATA\msvoa10\data\092120\T2034.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	12:12:00	
I:\ACQUDATA\msvoa10\data\092120\T2035.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	12:33:00	
I:\ACQUDATA\msvoa10\data\092120\T2036.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	12:55:00	
I:\ACQUDATA\msvoa10\data\092120\T2037.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	13:17:00	
I:\ACQUDATA\msvoa10\data\092120\T2038.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	13:39:00	
I:\ACQUDATA\msvoa10\data\092120\T2039.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:01:00	
I:\ACQUDATA\msvoa10\data\092120\T2040.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:22:00	
I:\ACQUDATA\msvoa10\data\092120\T2041.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:44:00	
I:\ACQUDATA\msvoa10\data\092120\T2042.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	15:06:00	
I:\ACQUDATA\msvoa10\data\092120\T2043.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	15:28:00	
I:\ACQUDATA\msvoa10\data\092120\T2044.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	15:49:00	
I:\ACQUDATA\msvoa10\data\092120\T2045.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:11:00	
I:\ACQUDATA\msvoa10\data\092120\T2046.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:33:00	
I:\ACQUDATA\msvoa10\data\092120\T2047.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:55:00	
I:\ACQUDATA\msvoa10\data\092120\T2049.D\	MW-7A 09162020	R2008604-002	9/21/2020	17:38:00	
I:\ACQUDATA\msvoa10\data\092120\T2050.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	18:00:00	
I:\ACQUDATA\msvoa10\data\092120\T2051.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	18:22:00	
I:\ACQUDATA\msvoa10\data\092120\T2052.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	18:44:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008604
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**695857
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092120\T2053.D\	MP-8S 09162020	R2008604-003	9/21/2020	19:06:00	
I:\ACQUDATA\msvoa10\data\092120\T2054.D\	MW-3 09162020	R2008604-005	9/21/2020	19:27:00	
I:\ACQUDATA\msvoa10\data\092120\T2055.D\	MW-16 09162020	R2008604-011	9/21/2020	19:49:00	
I:\ACQUDATA\msvoa10\data\092120\T2056.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	20:11:00	
I:\ACQUDATA\msvoa10\data\092120\T2057.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	20:33:00	

Analysis: 8260/624	Analyst: F. Naegler	pH strips: 221419	Tune Method: W091720.M
Date: 09/21/2020	Balance ID: —	ResCl strips: 0908201F	Run Method: ↓
Instr. MS10	50 mL Class A used for dilution FV	Syringes: 177417 / 202105	LIMS Run#: 695857

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./		RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK								T2026	Y	
2	BLK								27	Y	
3	TUNE								28	Y	
1	CCV								29	Y	
2	LCS-UNP								30	Y	
3	LCS-FP								31	Y	
4	BLK								32	(N)	
5	MBLK-UNP								33	Y	
6	MBLK-FP			Resid Cl					34	Y	
7	R2008616-005	1.0		neg	14885	2	1	(5)	35	Y	OUT OF HOLD(3 DAY)
8	-001	1.0		neg	↓	↓	1	(7)	36	Y	↓
9	-002	1.0		neg			1	(7)	37	Y	
10	-003	1.0		neg			1	(7)	38	Y	
11	↓ -004	1.0		neg	↓	↓	1	(7)	39	Y	
12	R2008610-001	1.0		neg	6139	2	1	(6)	40	Y	
13	R2008530-001	50.0	1/5mL	neg	9766	2	2	<2	41	Y	DL
14	R2008617-002	1.0		neg	18832	2	1	<2	42	Y	
15	↓ -001	1.0		neg	↓	↓	1	<2	43	Y	
16	R2008618-003	1.0		neg	18711	2	1	<2	44	Y	
17	-002	1.0		neg			1	<2	45	Y	
18	↓ -001	10.0	5/50mL	neg	↓	↓	1	<2	46	Y	
19	R2008537-005	25.0	2/50mL	neg	14838	2	2	<2	47	Y	DL
20	BLK								48	Y	
21	R2008604-002	1.0		—	7979	4	1	(7)	49	Y	
22	R2008657-005	1.0		—			1	(8)	50	Y	
23	-006	1.0		—			1	(8)	51	Y	
24	↓ -004	1.0		—			1	(8)	52	Y	
25	R2008604-003	1.0		—			1	(7)	53	Y	
26	-005	1.0		—			1	(8)	54	Y	
27	↓ -011	1.0		—	↓	↓	1	(7)	55	Y	
28	R2008530-001MS	50.0	1/5mL	neg	9766	2	2	<2	56	Y	
29	↓ -001MSD	50.0	↓	neg	↓	↓	2	<2	↓ 57	Y	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

Surrogate 50 : 212475

Internal Std 50 : 212476

Reagents: —

T/G Primary 500 : 212581 – 5uL/50mL

HSL Primary : 212582 –

Fr Primary : 212280 –

OCC Primary : 211552 –

Primary :

(CCV)

Fr Secondary 200 : 211981 – 5uL

T/G Secondary 500 : 212050 – 2uL

HSL Secondary : 212600 –

OCC Secondary : 211554 –

Secondary :

50mL (LCS) -12.5uL -5uL 5mL (SPK)

September 29, 2020 Service Request No:R2008657

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, 2020
For your reference, these analyses have been assigned our service request number **R2008657.**

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

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

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

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ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
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Client: Verina Consulting Group, LLC
Project: Dover - Kirkwood
Sample Matrix: Water

Service Request: R2008657
Date Received: 09/18/2020

CASE NARRATIVE

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

Sample Receipt:

Eight water samples were received for analysis at ALS Environmental on 09/18/2020. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by _____ Date 09/29/2020

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-13 09172020			Lab ID: R2008657-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	3.1		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	0.41	J	0.20	1.0	ug/L	8260C

CLIENT ID: MP-14 09172020			Lab ID: R2008657-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	6.1		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	0.25	J	0.20	1.0	ug/L	8260C

CLIENT ID: MW-27 09172020			Lab ID: R2008657-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Tetrachloroethene (PCE)	0.75	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	1.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	22		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:**R2008657
Project: Dover - Kirkwood/5101.0002

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2008657-001	TB 09172020	9/17/2020	
R2008657-002	MW-13 09172020	9/17/2020	0950
R2008657-003	MW-22 09172020	9/17/2020	1025
R2008657-004	MW-25R 09172020	9/17/2020	1030
R2008657-005	MP-14 09172020	9/17/2020	1145
R2008657-006	MW-24 09172020	9/17/2020	1205
R2008657-007	MW-27 09172020	9/17/2020	1220
R2008657-008	FB 09172020	9/17/2020	1450

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

003698

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: 5101.0602
Project Manager: Sarah Marcotte	Report CC:
Company/Address: Verina, 1011 US Hwy 22, Bridgewater NJ	
Phone #: 908 864 4400	Email: smarcotte@vcg-llc.com
Sampler's Signature:	Sampler's Printed Name: Rita De Almeida

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1 0

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)	SSPL VOCs	SSPL VOCs						REMARKS/ ALTERNATE DESCRIPTION
TB 091720		9/17/20		TB									X							
MW-13 091720			0950	GW									X							
MW-13 091720/MS			0950	GW									X							
MW-13 091720/MSD			0950	GW									X							
MW-22 091720			1025	GW									X							
MW-25R 091720			1030	GW										X						
MP-14 091720			1145	GW										X						1
MW-24 091720			1205	GW										X						
MW-27 091720			1220	GW									X							
FB 09172020			1450	FB									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 VOCs: TCE, PCE, cis-1,2-DCE, 1,1-DCE, trans-1,2-DCE, 1,1-DCA, 1,1,1-TCA, VC

+ samples will have thiosulfate

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

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

X 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	Signature
Printed Name: Rita De Almeida	Printed Name	Printed Name	Printed Name	Printed Name	
Firm: Verina	Firm	Firm	Firm	Firm	
Date/Time: 9/17/2020 1700	Date/Time: 9/18/2020 0830	Date/Time	Date/Time	Date/Time	

R2008657 + 5

Verina Consulting Group, LLC
Dover - Kirkwood

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

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Cooler Receipt and Preservation Check Form

R2008657 5
Verina Consulting Group, LLC
Dover - Kirkwood

Project/Client Verina Folder Number

Cooler received on 9/18/2020 by: C

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (NA)	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: 9/18/2020 Time: 0842 ID: IR#7 (IR#10) 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-102 by C on 9/18/20 at 0900
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/19/2020 Time: 1845 by: DW

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 NA
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated NA

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	**	**	2221-24					

**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: O-132-001, 70715-C2016

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ok

PC Secondary Review: DWS 9/22/20 *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:** R2008657
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2008657-001.01					
	8260C				
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/22/2020	1022	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008657-001.02					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-001.03					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-002.01					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-002.02					
	8260C				
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/22/2020	1022	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008657-002.03					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-002.04					
		9/19/2020	1902	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-002.05					
		9/19/2020	1902	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-002.06					

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/19/2020	1902	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-002.07					
		9/19/2020	1902	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-002.08					
		9/19/2020	1902	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-002.09					
		9/19/2020	1902	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-003.01					
	8260C				
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/22/2020	1022	In Lab / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008657-003.02					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-003.03					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-004.01					
	8260C				
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/21/2020	1037	In Lab / FNAEGLER	
		9/21/2020	1102	R-001-S10 / FNAEGLER	
R2008657-004.02					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2008657-004.03					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-005.01					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/21/2020	1102	R-001-S10 / FNAEGLER	
R2008657-005.02					
	8260C				
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/21/2020	1037	In Lab / FNAEGLER	
R2008657-005.03					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-006.01					
	8260C				
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/21/2020	1037	In Lab / FNAEGLER	
		9/21/2020	1102	R-001-S10 / FNAEGLER	
R2008657-006.02					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-006.03					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-007.01					
	8260C				
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/22/2020	1022	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008657-007.02					

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood/5101.0002

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-007.03					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-008.01					
	8260C				
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
		9/22/2020	1022	In Lab / FNAEGLER	
		9/22/2020	1046	R-001-S10 / FNAEGLER	
		9/24/2020	1015	In Lab / FNAEGLER	
		9/24/2020	1025	R-001-S10 / FNAEGLER	
R2008657-008.02					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	
R2008657-008.03					
		9/19/2020	1852	SMO / DWARD	
		9/19/2020	1902	R-001 / DWARD	

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:** R2008657
Project: Dover - Kirkwood/5101.0002

Sample Name: TB 09172020 **Date Collected:** 09/17/20
Lab Code: R2008657-001 **Date Received:** 09/18/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-13 09172020 **Date Collected:** 09/17/20
Lab Code: R2008657-002 **Date Received:** 09/18/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-22 09172020 **Date Collected:** 09/17/20
Lab Code: R2008657-003 **Date Received:** 09/18/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-25R 09172020 **Date Collected:** 09/17/20
Lab Code: R2008657-004 **Date Received:** 09/18/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MP-14 09172020 **Date Collected:** 09/17/20
Lab Code: R2008657-005 **Date Received:** 09/18/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002		

Sample Name:	MW-24 09172020	**Date Collected:**	09/17/20
Lab Code:	R2008657-006	**Date Received:**	09/18/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	MW-27 09172020	**Date Collected:**	09/17/20
Lab Code:	R2008657-007	**Date Received:**	09/18/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	FB 09172020	**Date Collected:**	09/17/20
Lab Code:	R2008657-008	**Date Received:**	09/18/20
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:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	TB 09172020	**Units:**	ug/L
Lab Code:	R2008657-001	**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	09/24/20 14:41	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 14:41	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 14:41	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 14:41	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 14:41	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 14:41	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 14:41	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 14:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/24/20 14:41	
Dibromofluoromethane	106	89 - 119	09/24/20 14:41	
Toluene-d8	105	87 - 121	09/24/20 14:41	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 09:50
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-13 09172020	**Units:**	ug/L
Lab Code:	R2008657-002	**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	09/24/20 15:02	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/24/20 15:02	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/24/20 15:02	
Tetrachloroethene (PCE)	**3.1**		1.0	0.21	1	09/24/20 15:02	
Trichloroethene (TCE)	**0.41**	**J**	1.0	0.20	1	09/24/20 15:02	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/24/20 15:02	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/24/20 15:02	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/24/20 15:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/24/20 15:02	
Dibromofluoromethane	100	89 - 119	09/24/20 15:02	
Toluene-d8	104	87 - 121	09/24/20 15:02	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 10:25
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-22 09172020	**Units:**	ug/L
Lab Code:	R2008657-003	**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	09/24/20 15:24	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 15:24	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 15:24	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 15:24	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 15:24	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 15:24	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 15:24	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 15:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/24/20 15:24	
Dibromofluoromethane	100	89 - 119	09/24/20 15:24	
Toluene-d8	102	87 - 121	09/24/20 15:24	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 12:20
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-27 09172020	**Units:**	ug/L
Lab Code:	R2008657-007	**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	09/24/20 15:46	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/24/20 15:46	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/24/20 15:46	
Tetrachloroethene (PCE)	**0.75**	**J**	1.0	0.21	1	09/24/20 15:46	
Trichloroethene (TCE)	**1.1**		1.0	0.20	1	09/24/20 15:46	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/24/20 15:46	
cis-1,2-Dichloroethene	**22**		1.0	0.23	1	09/24/20 15:46	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/24/20 15:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/24/20 15:46	
Dibromofluoromethane	102	89 - 119	09/24/20 15:46	
Toluene-d8	105	87 - 121	09/24/20 15:46	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 14:50
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	FB 09172020	**Units:**	ug/L
Lab Code:	R2008657-008	**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	09/24/20 16:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 16:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 16:08	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 16:08	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 16:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 16:08	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 16:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 16:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/24/20 16:08	
Dibromofluoromethane	108	89 - 119	09/24/20 16:08	
Toluene-d8	104	87 - 121	09/24/20 16:08	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 10:30
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-25R 09172020	**Units:**	ug/L
Lab Code:	R2008657-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 18:44	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 18:44	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 18:44	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 18:44	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 18:44	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 18:44	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 18:44	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 18:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/21/20 18:44	
Dibromofluoromethane	102	89 - 119	09/21/20 18:44	
Toluene-d8	108	87 - 121	09/21/20 18:44	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 11:45
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MP-14 09172020	**Units:**	ug/L
Lab Code:	R2008657-005	**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	09/21/20 18:00	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/21/20 18:00	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/21/20 18:00	
Tetrachloroethene (PCE)	**6.1**		1.0	0.21	1	09/21/20 18:00	
Trichloroethene (TCE)	**0.25**	**J**	1.0	0.20	1	09/21/20 18:00	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/21/20 18:00	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/21/20 18:00	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/21/20 18:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/21/20 18:00	
Dibromofluoromethane	97	89 - 119	09/21/20 18:00	
Toluene-d8	108	87 - 121	09/21/20 18:00	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 12:05
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-24 09172020	**Units:**	ug/L
Lab Code:	R2008657-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 18:22	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 18:22	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 18:22	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 18:22	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 18:22	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 18:22	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 18:22	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 18:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	85 - 122	09/21/20 18:22	
Dibromofluoromethane	107	89 - 119	09/21/20 18:22	
Toluene-d8	112	87 - 121	09/21/20 18:22	

QC Summary Forms

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
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www.alsglobal.com

Client: Verina Consulting Group, LLC **Service Request:** R2008657
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 89-119	Toluene-d8 87-121
TB 09172020	R2008657-001	100	106	105
MW-13 09172020	R2008657-002	96	100	104
MW-22 09172020	R2008657-003	94	100	102
MW-27 09172020	R2008657-007	94	102	105
FB 09172020	R2008657-008	98	108	104
Method Blank	RQ2011255-04	91	99	101
Lab Control Sample	RQ2011255-03	100	104	103
MW-13 09172020 MS	RQ2011255-05	112	109	105
MW-13 09172020 DMS	RQ2011255-06	108	102	107

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20
Sample Matrix:	Water	**Date Received:**	09/18/20
		Date Analyzed:	09/24/20
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-13 09172020	**Units:**	ug/L
Lab Code:	R2008657-002	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2011255-05			Duplicate Matrix Spike RQ2011255-06					
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	52.4	50.0	105	51.9	50.0	104	74-127	<1	30
1,1-Dichloroethane (1,1-DCA)	1.0 U	56.1	50.0	112	57.4	50.0	115	74-132	2	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	57.8	50.0	116	61.1	50.0	122 *	71-118	5	30
Tetrachloroethene (PCE)	3.1	53.0	50.0	100	52.8	50.0	99	72-125	<1	30
Trichloroethene (TCE)	0.41 J	49.7	50.0	99	51.8	50.0	103	74-122	4	30
Vinyl Chloride	1.0 U	62.6	50.0	125	63.9	50.0	128	74-159	2	30
cis-1,2-Dichloroethene	1.0 U	52.7	50.0	105	53.4	50.0	107	77-127	1	30
trans-1,2-Dichloroethene	1.0 U	56.5	50.0	113	59.4	50.0	119 *	73-118	5	30

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

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

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

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/24/20 12:08
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: RQ2011255-04 **File ID:** I:\ACQUDATA\msvoa10\data\092420\T2145.D\

Analysis Method: 8260C **Analysis Lot:** 696421
Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2011255-03	I:\ACQUDATA\msvoa10\data\092420\T2142.D\	09/24/20 10:55
TB 09172020	R2008657-001	I:\ACQUDATA\msvoa10\data\092420\T2152.D\	09/24/20 14:41
MW-13 09172020	R2008657-002	I:\ACQUDATA\msvoa10\data\092420\T2153.D\	09/24/20 15:02
MW-22 09172020	R2008657-003	I:\ACQUDATA\msvoa10\data\092420\T2154.D\	09/24/20 15:24
MW-27 09172020	R2008657-007	I:\ACQUDATA\msvoa10\data\092420\T2155.D\	09/24/20 15:46
FB 09172020	R2008657-008	I:\ACQUDATA\msvoa10\data\092420\T2156.D\	09/24/20 16:08
MW-13 09172020MS	RQ2011255-05	I:\ACQUDATA\msvoa10\data\092420\T2166.D\	09/24/20 19:46
MW-13 09172020DMS	RQ2011255-06	I:\ACQUDATA\msvoa10\data\092420\T2167.D\	09/24/20 20:08

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2011255-04	**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	09/24/20 12:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 12:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 12:08	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 12:08	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 12:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 12:08	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 12:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 12:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	09/24/20 12:08	
Dibromofluoromethane	99	89 - 119	09/24/20 12:08	
Toluene-d8	101	87 - 121	09/24/20 12:08	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/24/20 10:55
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample **Instrument ID:**R-MS-10
Lab Code: RQ2011255-03 **File ID:**I:\ACQUDATA\msvoa10\data\092420\T2142.D\

Analysis Method: 8260C **Analysis Lot:**696421
Prep Method: EPA 5030C

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2011255-04	I:\ACQUDATA\msvoa10\data\092420\T2145.D\	09/24/20 12:08
TB 09172020	R2008657-001	I:\ACQUDATA\msvoa10\data\092420\T2152.D\	09/24/20 14:41
MW-13 09172020	R2008657-002	I:\ACQUDATA\msvoa10\data\092420\T2153.D\	09/24/20 15:02
MW-22 09172020	R2008657-003	I:\ACQUDATA\msvoa10\data\092420\T2154.D\	09/24/20 15:24
MW-27 09172020	R2008657-007	I:\ACQUDATA\msvoa10\data\092420\T2155.D\	09/24/20 15:46
FB 09172020	R2008657-008	I:\ACQUDATA\msvoa10\data\092420\T2156.D\	09/24/20 16:08
MW-13 09172020MS	RQ2011255-05	I:\ACQUDATA\msvoa10\data\092420\T2166.D\	09/24/20 19:46
MW-13 09172020DMS	RQ2011255-06	I:\ACQUDATA\msvoa10\data\092420\T2167.D\	09/24/20 20:08

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

Service Request: R2008657
Date Analyzed: 09/24/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2011255-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	16.8	20.0	84	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	19.4	20.0	97	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.0	20.0	100	71-118
Tetrachloroethene (PCE)	8260C	15.7	20.0	78	72-125
Trichloroethene (TCE)	8260C	16.5	20.0	83	74-122
Vinyl Chloride	8260C	22.2	20.0	111	74-159
cis-1,2-Dichloroethene	8260C	18.5	20.0	93	80-121
trans-1,2-Dichloroethene	8260C	20.1	20.0	100	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/20 09:42

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\092420\T2140.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 696421

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	25.62	41898	Pass
75	95	30	60	54.18	88597	Pass
95	95	100	100	100.00	163533	Pass
96	95	5	9	5.90	9648	Pass
173	174	0	2	0.87	1221	Pass
174	95	50	120	85.34	139556	Pass
175	174	5	9	8.48	11836	Pass
176	174	95	101	97.64	136264	Pass
177	176	5	9	7.23	9850	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2011255-02	I:\ACQUDATA\msvoa10\data\092420\T2141.D\	09/24/20 10:15	
Lab Control Sample	RQ2011255-03	I:\ACQUDATA\msvoa10\data\092420\T2142.D\	09/24/20 10:55	
Method Blank	RQ2011255-04	I:\ACQUDATA\msvoa10\data\092420\T2145.D\	09/24/20 12:08	
TB 09172020	R2008657-001	I:\ACQUDATA\msvoa10\data\092420\T2152.D\	09/24/20 14:41	
MW-13 09172020	R2008657-002	I:\ACQUDATA\msvoa10\data\092420\T2153.D\	09/24/20 15:02	
MW-22 09172020	R2008657-003	I:\ACQUDATA\msvoa10\data\092420\T2154.D\	09/24/20 15:24	
MW-27 09172020	R2008657-007	I:\ACQUDATA\msvoa10\data\092420\T2155.D\	09/24/20 15:46	
FB 09172020	R2008657-008	I:\ACQUDATA\msvoa10\data\092420\T2156.D\	09/24/20 16:08	
MW-13 09172020	RQ2011255-05	I:\ACQUDATA\msvoa10\data\092420\T2166.D\	09/24/20 19:46	
MW-13 09172020	RQ2011255-06	I:\ACQUDATA\msvoa10\data\092420\T2167.D\	09/24/20 20:08	

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/20 10:15

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

File ID: I:\ACQUDATA\msvoa10\data\092420\T2141.D\ **Lab Code:**RQ2011255-02
Instrument ID: R-MS-10 **Analysis Lot:**696421
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	331,849	11.85	581,339	6.49	552,445	9.80
	Upper Limit ==>	663,698	12.02	1,162,678	6.66	1,104,890	9.97
	Lower Limit ==>	165,925	11.68	290,670	6.32	276,223	9.63
Associated Analyses							
Lab Control Sample	RQ2011255-03	284912	11.85	589787	6.49	538554	9.80
Method Blank	RQ2011255-04	249868	11.85	565066	6.49	517284	9.80
TB 09172020	R2008657-001	249438	11.85	539997	6.49	512380	9.80
MW-13 09172020	R2008657-002	252481	11.85	556367	6.49	507746	9.80
MW-22 09172020	R2008657-003	250803	11.85	565967	6.49	519796	9.80
MW-27 09172020	R2008657-007	246103	11.85	544329	6.49	487406	9.80
FB 09172020	R2008657-008	241301	11.85	542477	6.49	488588	9.80
MW-13 09172020MS	RQ2011255-05	322928	11.85	571184	6.49	544530	9.80
MW-13 09172020DMS	RQ2011255-06	324466	11.85	582108	6.49	530021	9.80

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/24/20 10:15

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

File ID: I:\ACQUDATA\msvoa10\data\092420\T2141.D\ **Lab Code:**RQ2011255-02
Instrument ID: R-MS-10 **Analysis Lot:**696421
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	376,811	5.39
	Upper Limit ==>	753,622	5.56
	Lower Limit ==>	188,406	5.22
Associated Analyses			
Lab Control Sample	RQ2011255-03	390229	5.40
Method Blank	RQ2011255-04	370137	5.40
TB 09172020	R2008657-001	359688	5.40
MW-13 09172020	R2008657-002	354287	5.40
MW-22 09172020	R2008657-003	366451	5.40
MW-27 09172020	R2008657-007	349060	5.40
FB 09172020	R2008657-008	353432	5.39
MW-13 09172020MS	RQ2011255-05	379649	5.40
MW-13 09172020DMS	RQ2011255-06	376887	5.39

Client: Verina Consulting Group, LLC **Service Request:** R2008657
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 89-119	Toluene-d8 87-121
MW-25R 09172020	R2008657-004	101	102	108
MP-14 09172020	R2008657-005	97	97	108
MW-24 09172020	R2008657-006	106	107	112
Method Blank	RQ2011047-05	96	100	103
Lab Control Sample	RQ2011047-03	99	101	102

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/21/20 11:50
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:	RQ2011047-05	**File ID:**	I:\ACQUDATA\msvoa10\data\092120\T2033.D\
Analysis Method:	8260C	**Analysis Lot:**	695857
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2011047-03	I:\ACQUDATA\msvoa10\data\092120\T2030.D\	09/21/20 10:31
MP-14 09172020	R2008657-005	I:\ACQUDATA\msvoa10\data\092120\T2050.D\	09/21/20 18:00
MW-24 09172020	R2008657-006	I:\ACQUDATA\msvoa10\data\092120\T2051.D\	09/21/20 18:22
MW-25R 09172020	R2008657-004	I:\ACQUDATA\msvoa10\data\092120\T2052.D\	09/21/20 18:44

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2011047-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 11:50	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 11:50	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 11:50	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 11:50	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 11:50	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 11:50	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 11:50	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 11:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/21/20 11:50	
Dibromofluoromethane	100	89 - 119	09/21/20 11:50	
Toluene-d8	103	87 - 121	09/21/20 11:50	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Analyzed:**	09/21/20 10:31
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:	RQ2011047-03	**File ID:**	I:\ACQUDATA\msvoa10\data\092120\T2030.D\
Analysis Method:	8260C	**Analysis Lot:**	695857
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2011047-05	I:\ACQUDATA\msvoa10\data\092120\T2033.D\	09/21/20 11:50
MP-14 09172020	R2008657-005	I:\ACQUDATA\msvoa10\data\092120\T2050.D\	09/21/20 18:00
MW-24 09172020	R2008657-006	I:\ACQUDATA\msvoa10\data\092120\T2051.D\	09/21/20 18:22
MW-25R 09172020	R2008657-004	I:\ACQUDATA\msvoa10\data\092120\T2052.D\	09/21/20 18:44

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

Service Request: R2008657
Date Analyzed: 09/21/20

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2011047-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.2	20.0	96	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	20.9	20.0	105	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	23.7	20.0	118	71-118
Tetrachloroethene (PCE)	8260C	17.9	20.0	90	72-125
Trichloroethene (TCE)	8260C	18.7	20.0	94	74-122
Vinyl Chloride	8260C	22.0	20.0	110	74-159
cis-1,2-Dichloroethene	8260C	19.6	20.0	98	80-121
trans-1,2-Dichloroethene	8260C	22.4	20.0	112	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 09:23

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092120\T2028.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 695857

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	20.10	5693	Pass
75	95	30	60	37.68	10669	Pass
95	95	100	100	100.00	28317	Pass
96	95	5	9	6.46	1828	Pass
173	174	0	2	0.73	161	Pass
174	95	50	120	77.97	22080	Pass
175	174	5	9	8.58	1894	Pass
176	174	95	101	98.59	21768	Pass
177	176	5	9	6.30	1371	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2011047-02	I:\ACQUDATA\msvoa10\data\092120\T2029.D\	09/21/20 09:58	
Lab Control Sample	RQ2011047-03	I:\ACQUDATA\msvoa10\data\092120\T2030.D\	09/21/20 10:31	
Method Blank	RQ2011047-05	I:\ACQUDATA\msvoa10\data\092120\T2033.D\	09/21/20 11:50	
MP-14 09172020	R2008657-005	I:\ACQUDATA\msvoa10\data\092120\T2050.D\	09/21/20 18:00	
MW-24 09172020	R2008657-006	I:\ACQUDATA\msvoa10\data\092120\T2051.D\	09/21/20 18:22	
MW-25R 09172020	R2008657-004	I:\ACQUDATA\msvoa10\data\092120\T2052.D\	09/21/20 18:44	

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 09:58

Internal Standard Area and RT SUMMARY

Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\092120\T2029.D\ **Lab Code:**RQ2011047-02
Instrument ID: R-MS-10 **Analysis Lot:**695857
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	289,480	11.85	521,575	6.49	475,401	9.80
	Upper Limit ==>	578,960	12.02	1,043,150	6.66	950,802	9.97
	Lower Limit ==>	144,740	11.68	260,788	6.32	237,701	9.63
Associated Analyses							
Lab Control Sample	RQ2011047-03	237064	11.85	481351	6.49	438918	9.80
Method Blank	RQ2011047-05	206168	11.85	449347	6.49	412654	9.80
MP-14 09172020	R2008657-005	169930	11.85	404638	6.49	362253	9.80
MW-24 09172020	R2008657-006	170933	11.85	370250	6.49	341401	9.80
MW-25R 09172020	R2008657-004	172591	11.85	385817	6.49	358087	9.80

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002 **Date Analyzed:**09/21/20 09:58

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

File ID: I:\ACQUDATA\msvoa10\data\092120\T2029.D\ **Lab Code:**RQ2011047-02
Instrument ID: R-MS-10 **Analysis Lot:**695857
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	336,520	5.39
	Upper Limit ==>	673,040	5.56
	Lower Limit ==>	168,260	5.22
Associated Analyses			
Lab Control Sample	RQ2011047-03	306889	5.39
Method Blank	RQ2011047-05	279478	5.40
MP-14 09172020	R2008657-005	253409	5.40
MW-24 09172020	R2008657-006	233668	5.40
MW-25R 09172020	R2008657-004	248231	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
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www.alsglobal.com

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	TB 09172020	**Units:**	ug/L
Lab Code:	R2008657-001	**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	09/24/20 14:41	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 14:41	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 14:41	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 14:41	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 14:41	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 14:41	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 14:41	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 14:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/24/20 14:41	
Dibromofluoromethane	106	89 - 119	09/24/20 14:41	
Toluene-d8	105	87 - 121	09/24/20 14:41	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 09:50
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-13 09172020	**Units:**	ug/L
Lab Code:	R2008657-002	**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	09/24/20 15:02	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/24/20 15:02	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/24/20 15:02	
Tetrachloroethene (PCE)	**3.1**		1.0	0.21	1	09/24/20 15:02	
Trichloroethene (TCE)	**0.41**	**J**	1.0	0.20	1	09/24/20 15:02	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/24/20 15:02	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/24/20 15:02	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/24/20 15:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	09/24/20 15:02	
Dibromofluoromethane	100	89 - 119	09/24/20 15:02	
Toluene-d8	104	87 - 121	09/24/20 15:02	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 10:25
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-22 09172020	**Units:**	ug/L
Lab Code:	R2008657-003	**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	09/24/20 15:24	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 15:24	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 15:24	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 15:24	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 15:24	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 15:24	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 15:24	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 15:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/24/20 15:24	
Dibromofluoromethane	100	89 - 119	09/24/20 15:24	
Toluene-d8	102	87 - 121	09/24/20 15:24	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 12:20
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-27 09172020	**Units:**	ug/L
Lab Code:	R2008657-007	**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	09/24/20 15:46	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/24/20 15:46	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/24/20 15:46	
Tetrachloroethene (PCE)	**0.75**	**J**	1.0	0.21	1	09/24/20 15:46	
Trichloroethene (TCE)	**1.1**		1.0	0.20	1	09/24/20 15:46	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/24/20 15:46	
cis-1,2-Dichloroethene	**22**		1.0	0.23	1	09/24/20 15:46	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/24/20 15:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/24/20 15:46	
Dibromofluoromethane	102	89 - 119	09/24/20 15:46	
Toluene-d8	105	87 - 121	09/24/20 15:46	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 14:50
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	FB 09172020	**Units:**	ug/L
Lab Code:	R2008657-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

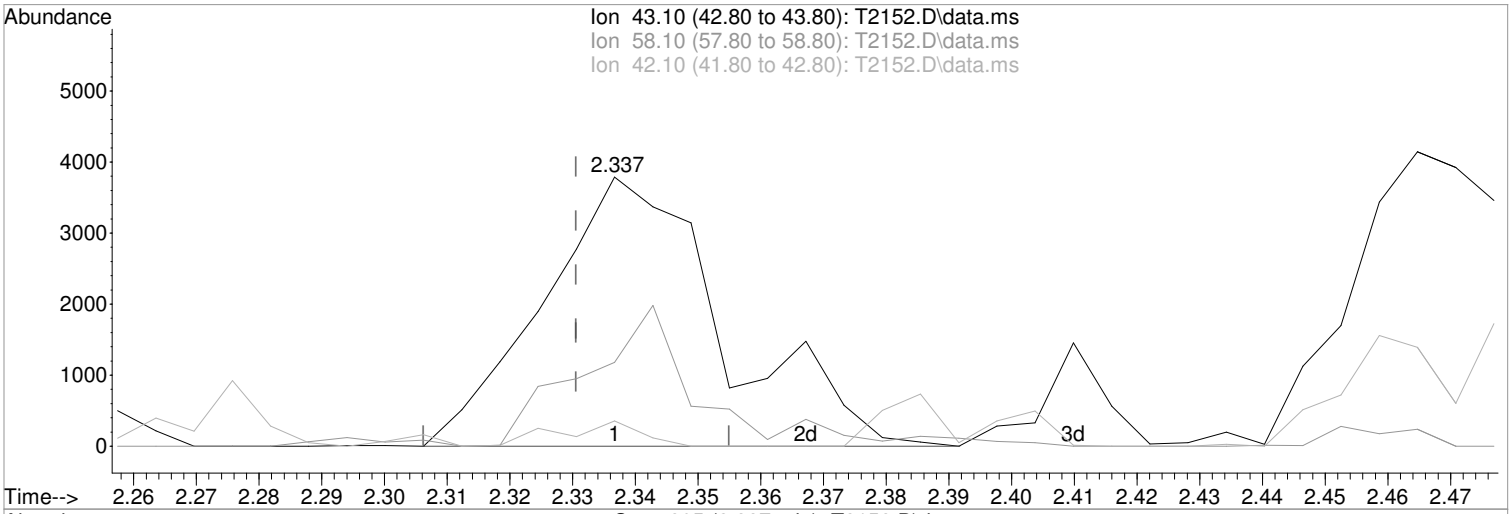
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/24/20 16:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/24/20 16:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/24/20 16:08	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/24/20 16:08	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/24/20 16:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/24/20 16:08	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/24/20 16:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/24/20 16:08	

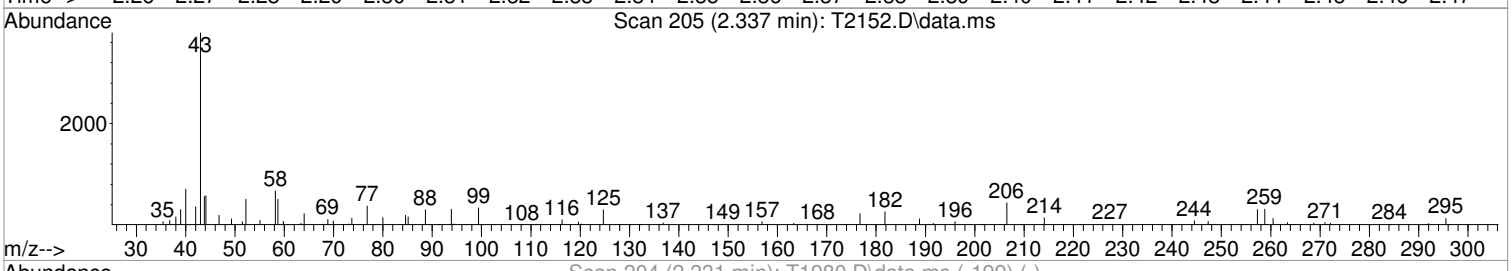
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	09/24/20 16:08	
Dibromofluoromethane	108	89 - 119	09/24/20 16:08	
Toluene-d8	104	87 - 121	09/24/20 16:08	

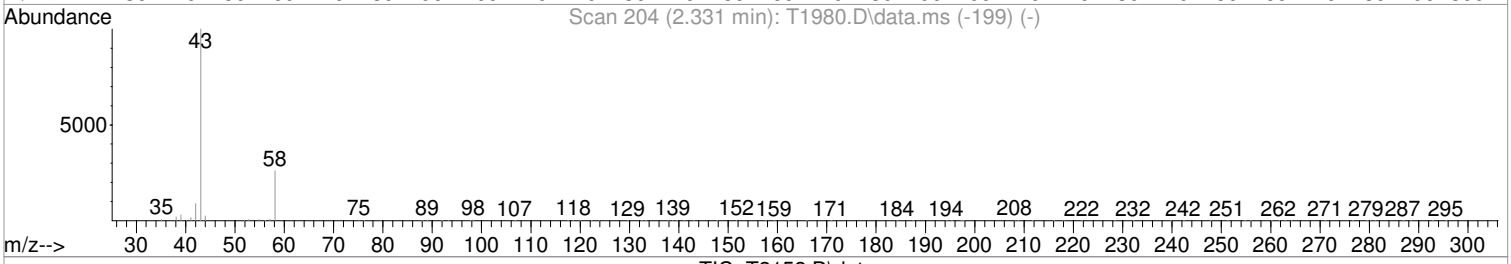
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2152.D
Acq On : 24 Sep 2020 2:41 pm
Operator : F.NAEGLER
Sample : R2008657-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 24 16:14:32 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2152.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 4.28 ug/L m

response 7562

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	17.74
42.10	9.30	9.37
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

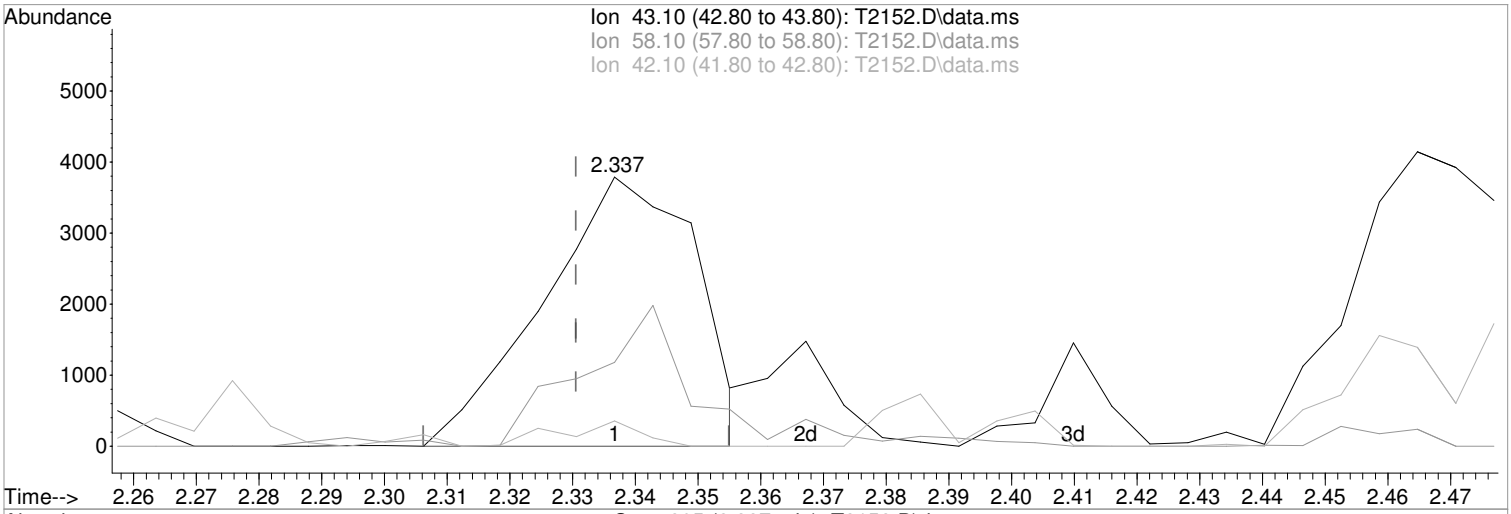
09/25/20

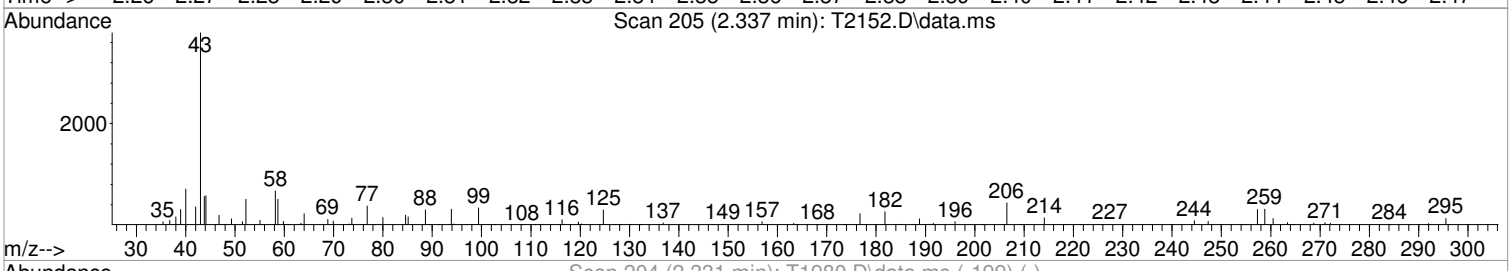
1st FN 09/25/20
2nd 09/26/20

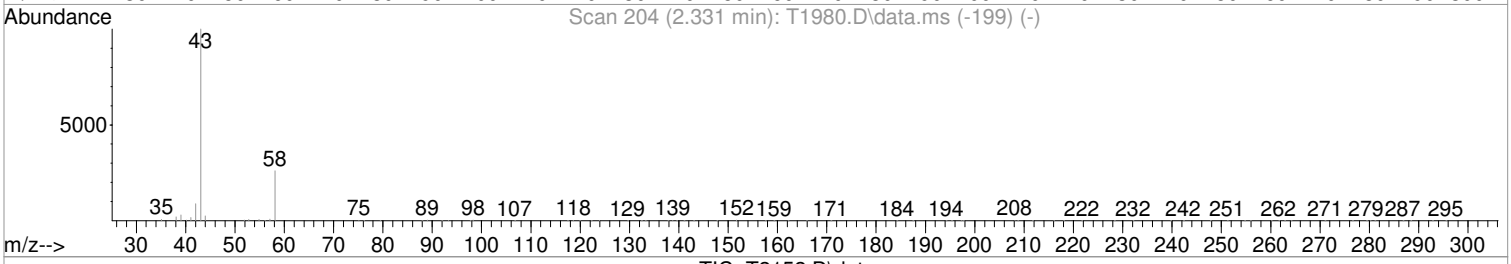
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2152.D
Acq On : 24 Sep 2020 2:41 pm
Operator : F.NAEGLER
Sample : R2008657-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 24 16:14:32 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2152.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 3.62 ug/L

response 6396

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	27.10
42.10	9.30	8.16
0.00	0.00	0.00

Manual Integration:

Before

09/25/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2152.D
Acq On : 24 Sep 2020 2:41 pm
Operator : F.NAEGLER
Sample : R2008657-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 17:13:46 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

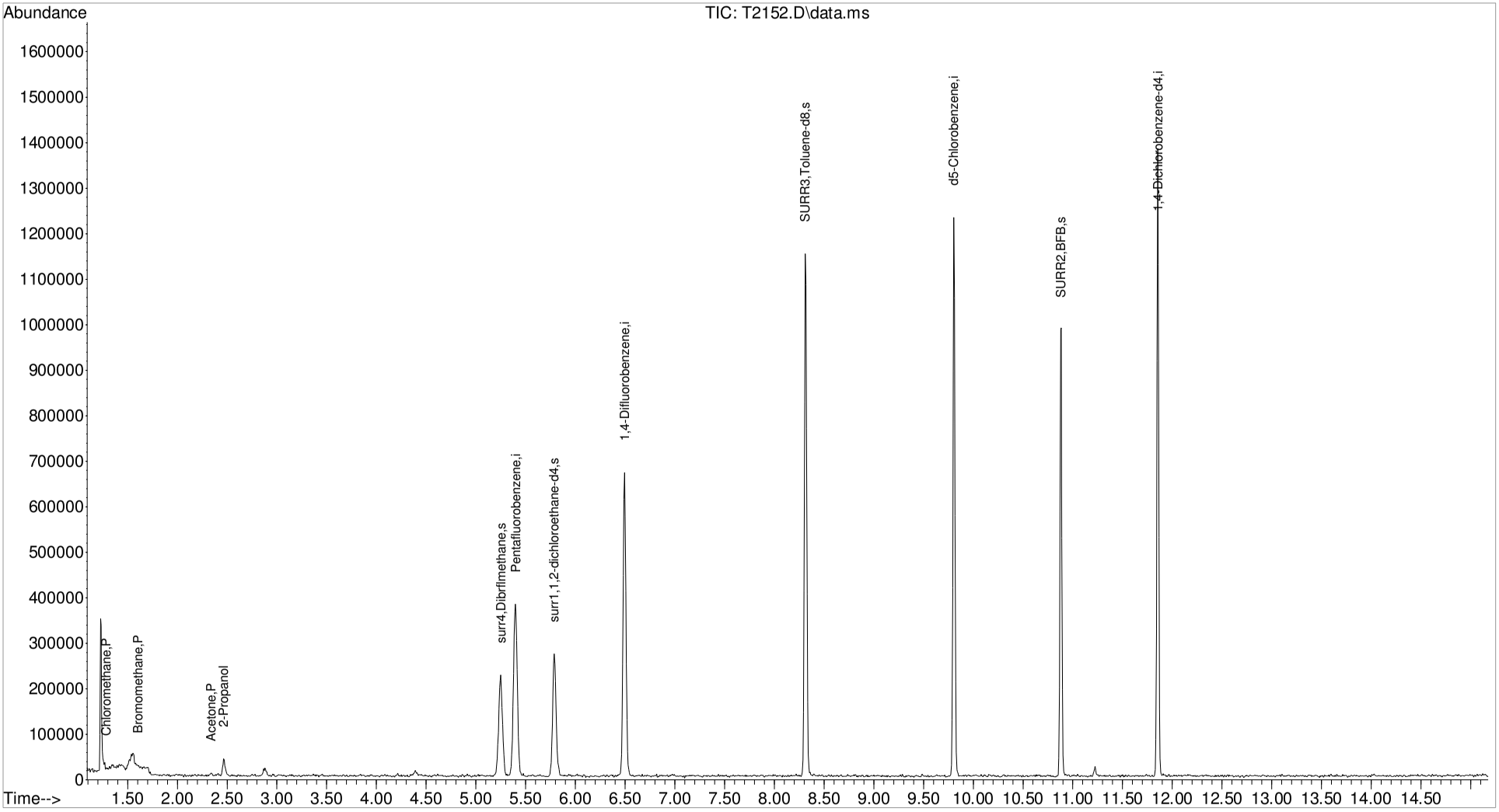
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	359688	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	539997	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	512380	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	249438	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	174327	53.15	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 106.30%				
46) surr1,1,2-dichloroetha...	5.787	65	219175	56.26	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 112.52%				
64) SURR3,Toluene-d8	8.311	98	662612	52.56	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 105.12%				
69) SURR2,BFB	10.878	95	248647	50.04	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.08%				
Target Compounds							Qvalue
3) Chloromethane	1.282	50	2191	0.42	ug/L	#	55
5) Bromomethane	1.599	94	1684	0.48	ug/L	#	16
15) Acetone	2.337	43	7562m	4.28	ug/L		
16) 2-Propanol	2.465	45	37925	89.43	ug/L		98
21) Methyl Acetate	2.654	43	818	Below Cal			90
38) Tetrahydrofuran	4.915	42	537	Below Cal			77
42) Cyclohexane	5.300	41	271	Below Cal			98
58) Methyl Methacrylate	7.244	69	308	Below Cal		#	14
60) 2-Nitropropane	7.799	41	391	Below Cal		#	1

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

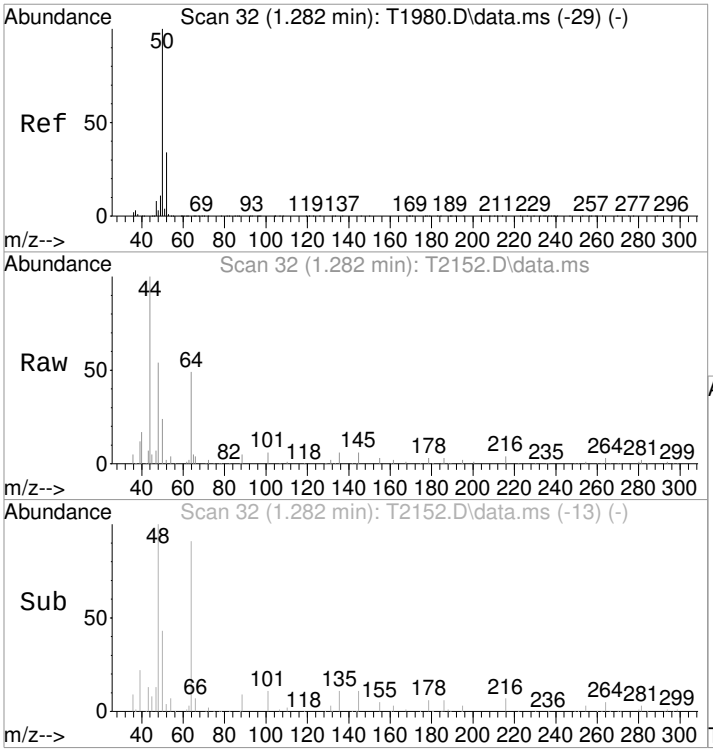
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2152.D
Acq On : 24 Sep 2020 2:41 pm
Operator : F.NAEGLER
Sample : R2008657-001|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 25 17:13:46 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



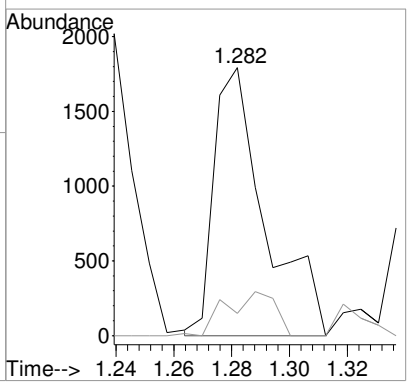
1st FN 09/25/20
2nd 09/26/20

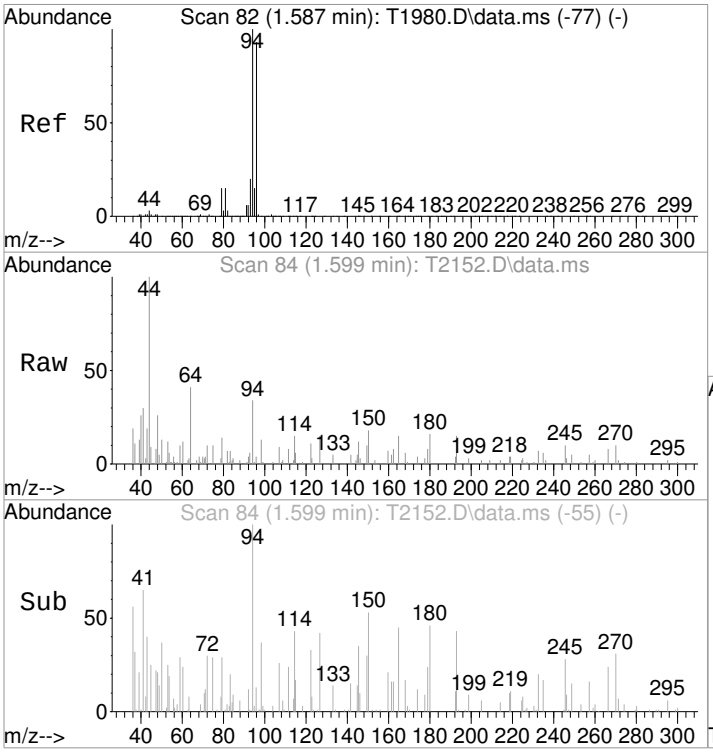


#3
Chloromethane
Concen: 0.42 ug/L
RT: 1.282 min Scan# 32
Delta R.T. 0.000 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 50 Resp: 2191

Ion	Ratio	Lower	Upper
50	100		
52	8.3	13.7	53.7#

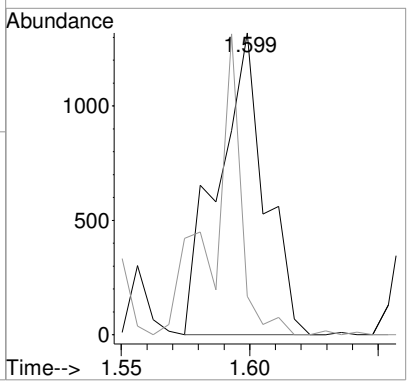


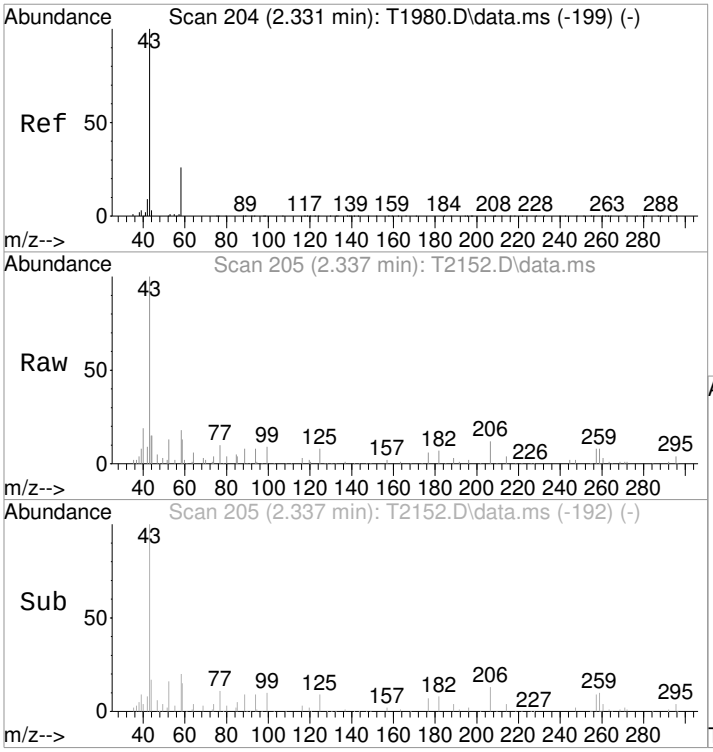


#5
Bromomethane
Concen: 0.48 ug/L
RT: 1.599 min Scan# 84
Delta R.T. 0.013 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 94 Resp: 1684

Ion	Ratio	Lower	Upper
94	100		
96	12.7	72.9	112.9#

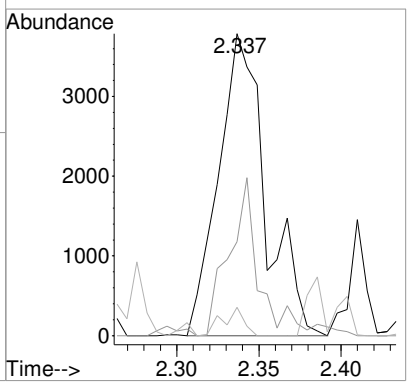


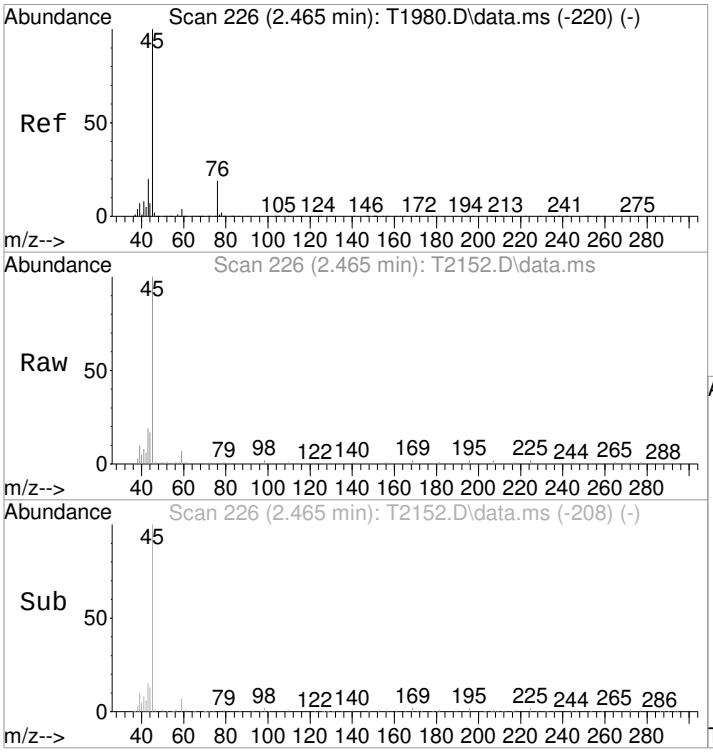


#15
Acetone
Concen: 4.28 ug/L m
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 43 Resp: 7562

Ion	Ratio	Lower	Upper
43	100		
58	17.7	6.1	46.1
42	9.4	0.0	29.3

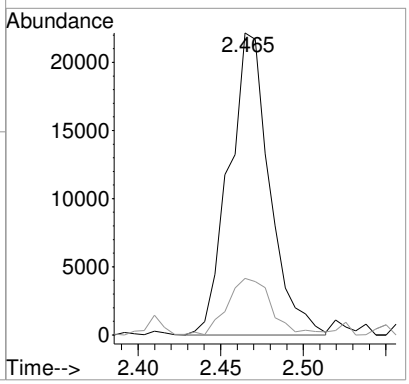


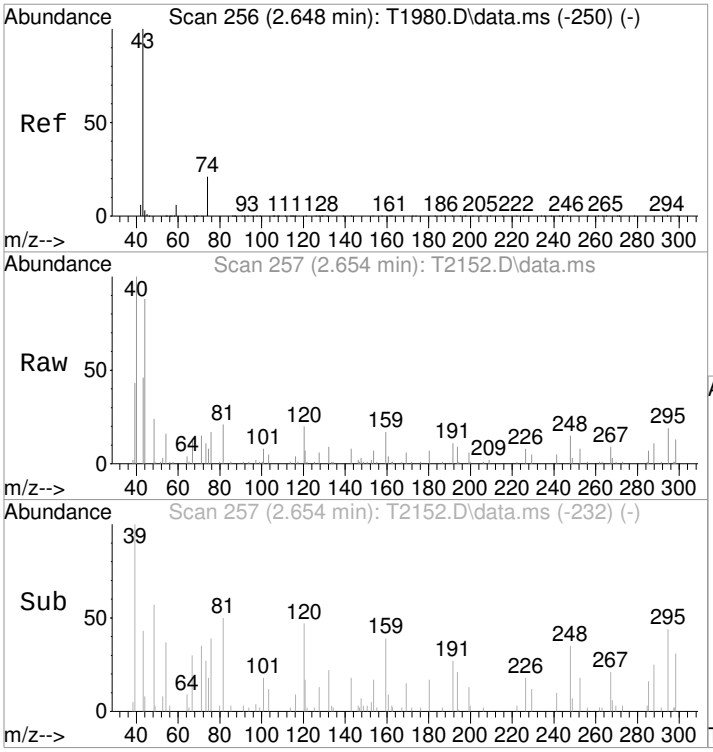


#16
2-Propanol
Concen: 89.43 ug/L
RT: 2.465 min Scan# 226
Delta R.T. 0.000 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 45 Resp: 37925

Ion	Ratio	Lower	Upper
45	100		
43	18.7	0.0	39.8

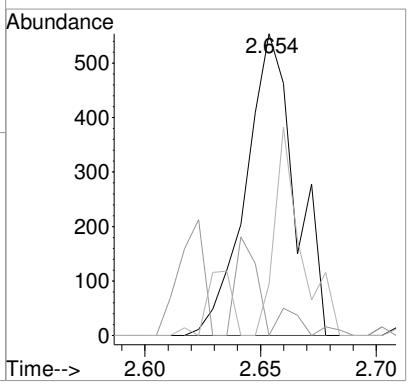


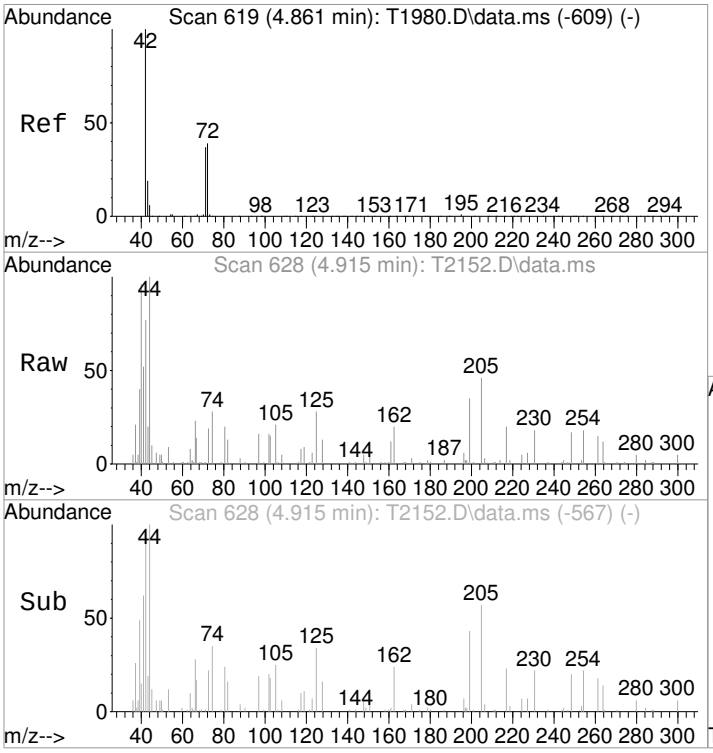


#21
Methyl Acetate
Concen: Below Cal
RT: 2.654 min Scan# 257
Delta R.T. 0.007 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 43 Resp: 818

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	17.0	0.6	40.6

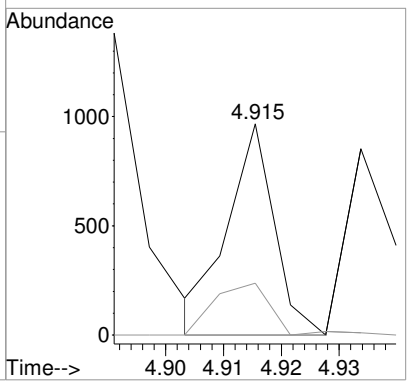


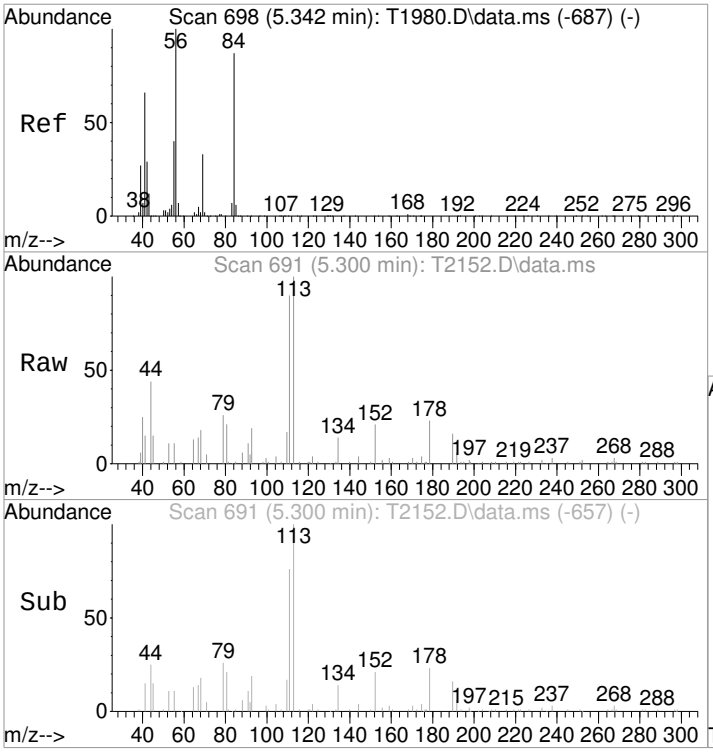


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.915 min Scan# 628
Delta R.T. 0.055 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 42 Resp: 537

Ion	Ratio	Lower	Upper
42	100		
72	24.5	18.3	58.3

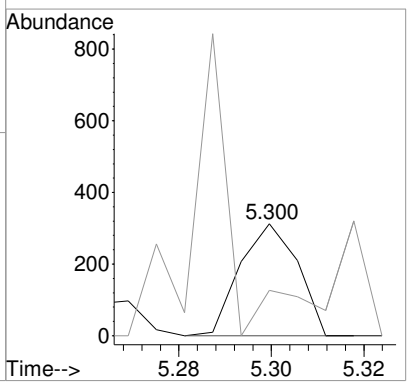


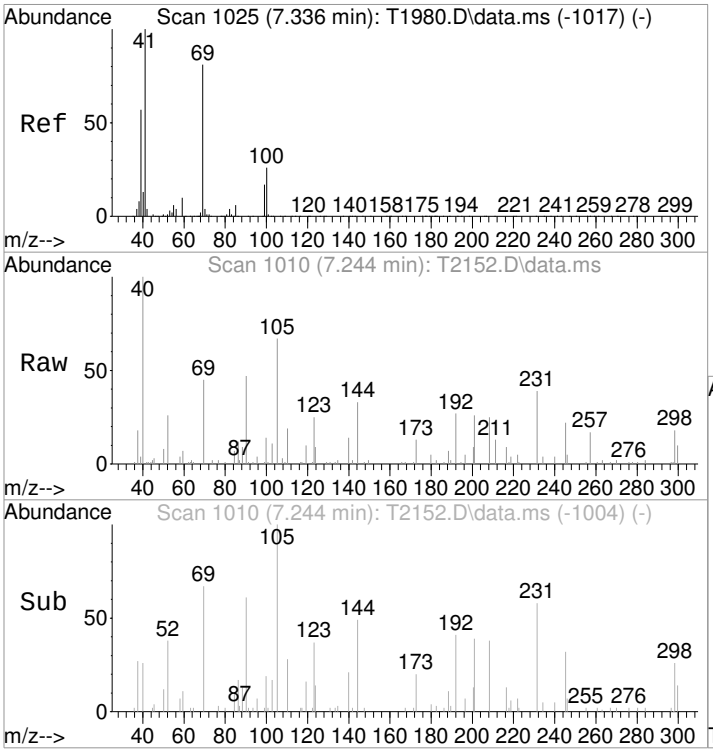


#42
Cyclohexane
Concen: Below Cal
RT: 5.300 min Scan# 691
Delta R.T. -0.042 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 41 Resp: 271

Ion	Ratio	Lower	Upper
41	100		
39	40.6	21.9	61.9

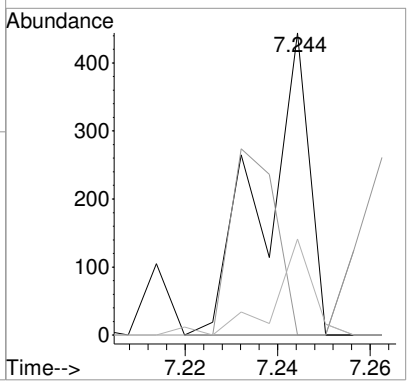


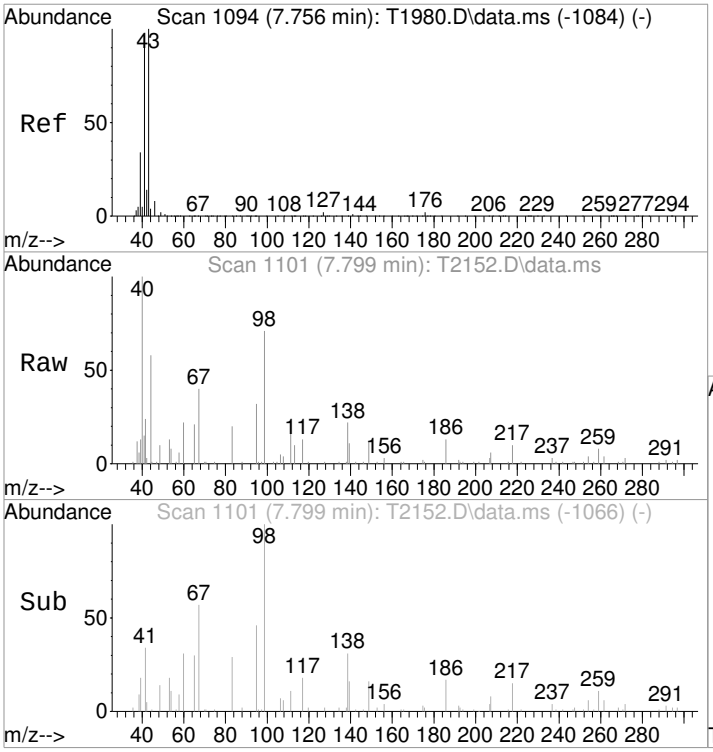


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.244 min Scan# 1010
Delta R.T. -0.091 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 69 Resp: 308

Ion	Ratio	Lower	Upper
69	100		
41	2.3	105.7	145.7#
100	34.0	12.5	52.5

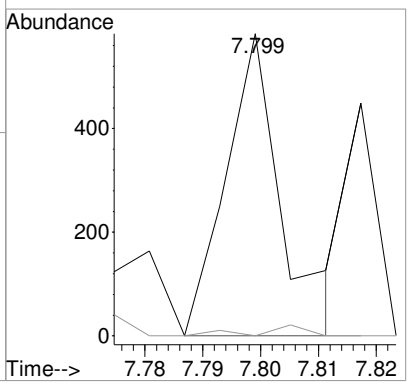




#60
2-Nitropropane
Concen: Below Cal
RT: 7.799 min Scan# 1101
Delta R.T. 0.043 min
Lab File: T2152.D
Acq: 24 Sep 2020 2:41 pm

Tgt Ion: 41 Resp: 391

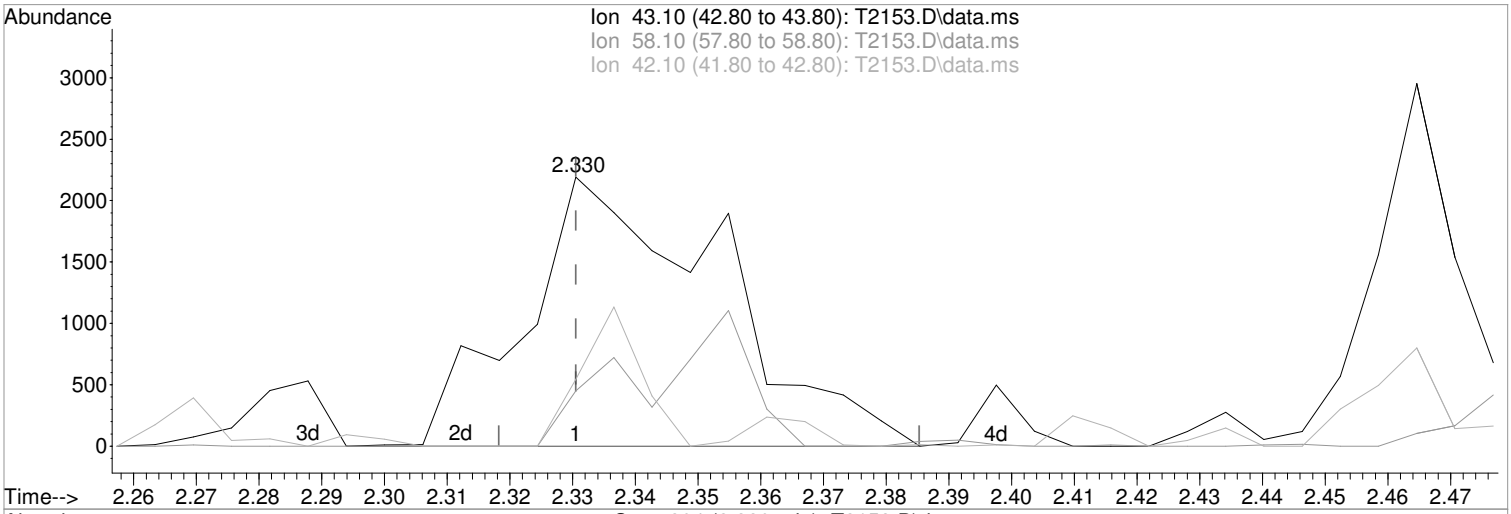
Ion	Ratio	Lower	Upper
41	100		
43	0.0	84.5	124.5#

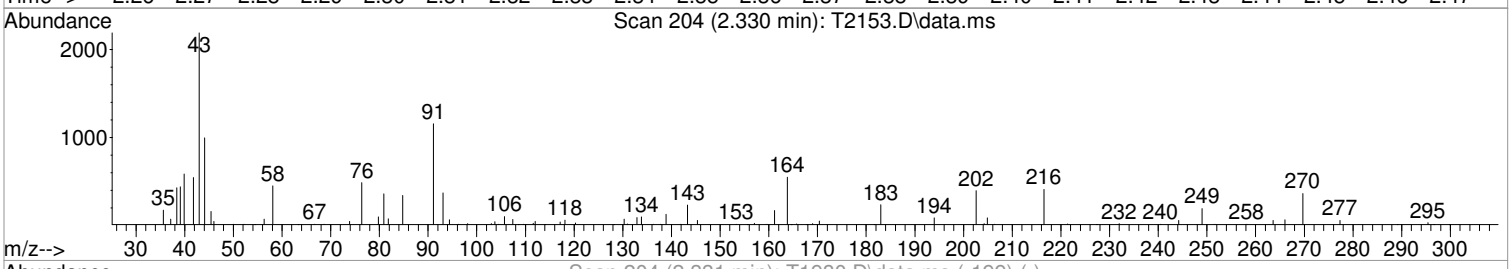


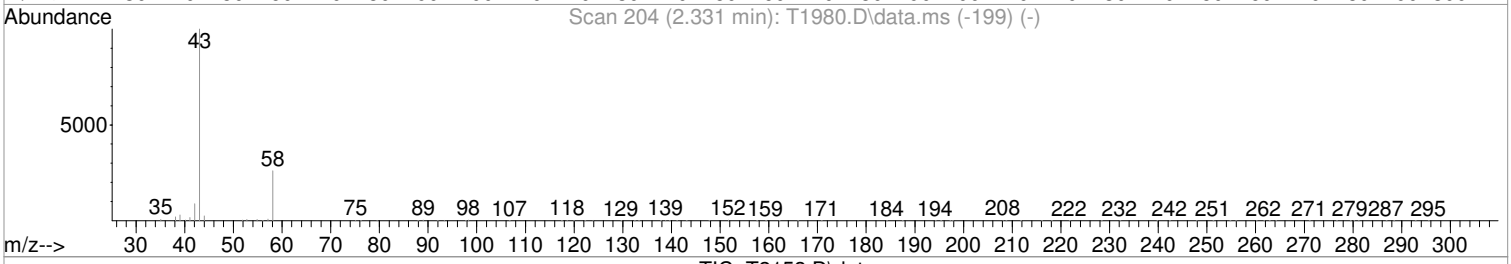
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2153.D
Acq On : 24 Sep 2020 3:02 pm
Operator : F.NAEGLER
Sample : R2008657-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 16:14:56 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2153.D\data.ms

(15) Acetone (P)

2.330min (-0.000) 2.76 ug/L m

response 4811

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	20.59
42.10	9.30	24.84
0.00	0.00	0.00

Manual Integration:

After

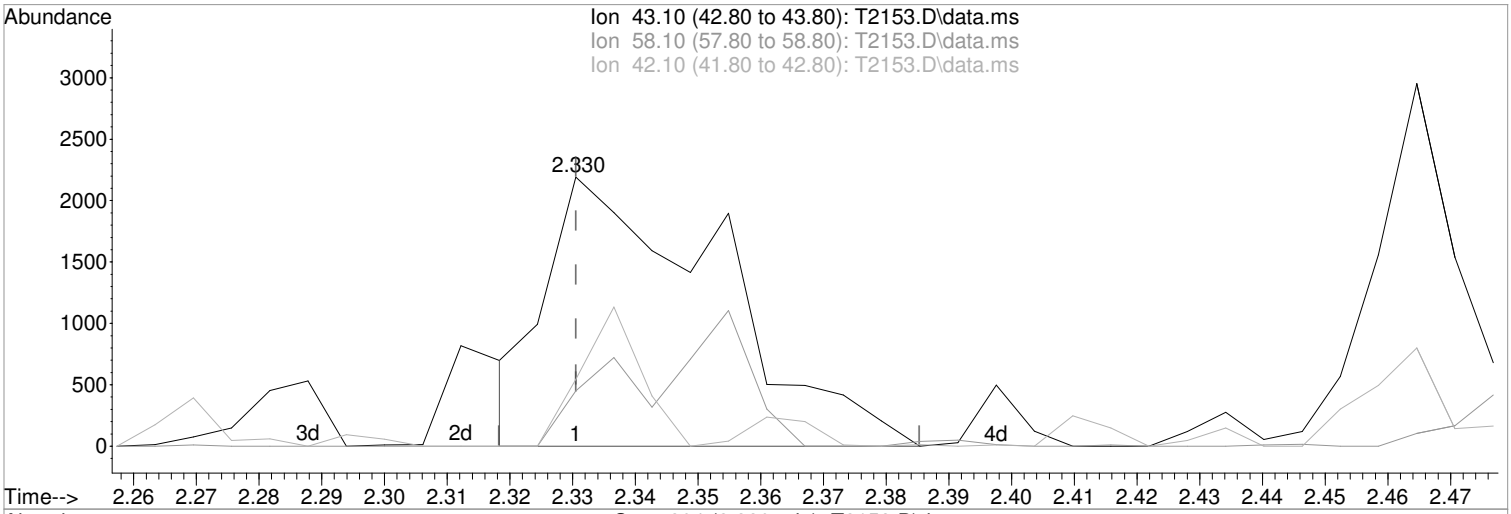
Poor integration.

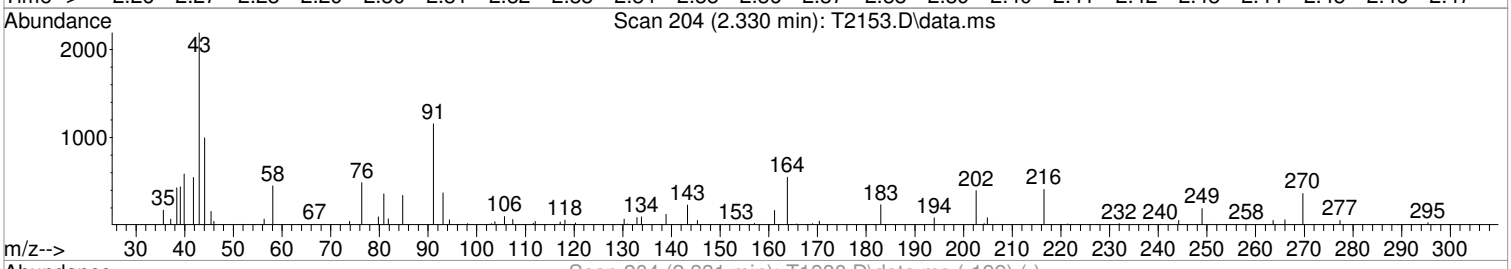
09/25/20

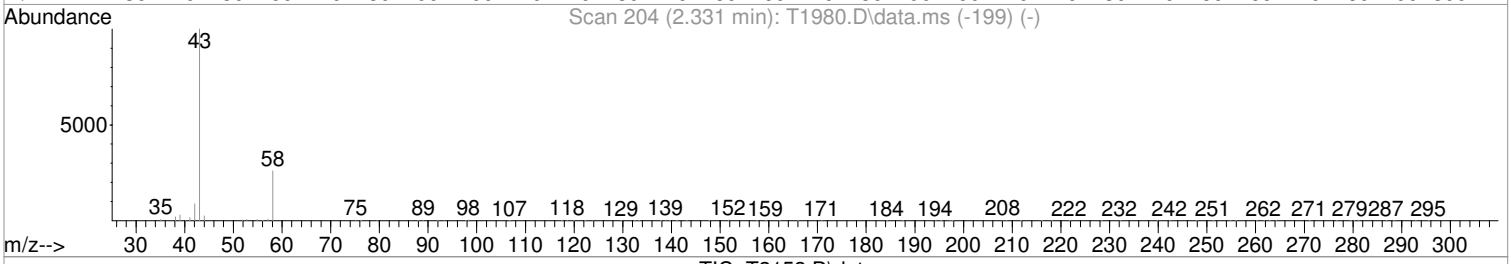
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2153.D
Acq On : 24 Sep 2020 3:02 pm
Operator : F.NAEGLER
Sample : R2008657-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 16:14:56 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2153.D\data.ms

(15) Acetone (P)

2.330min (-0.000) 2.44 ug/L

response 4249

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	20.59
42.10	9.30	24.84
0.00	0.00	0.00

Manual Integration:

Before

09/25/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2153.D
Acq On : 24 Sep 2020 3:02 pm
Operator : F.NAEGLER
Sample : R2008657-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 25 17:15:49 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

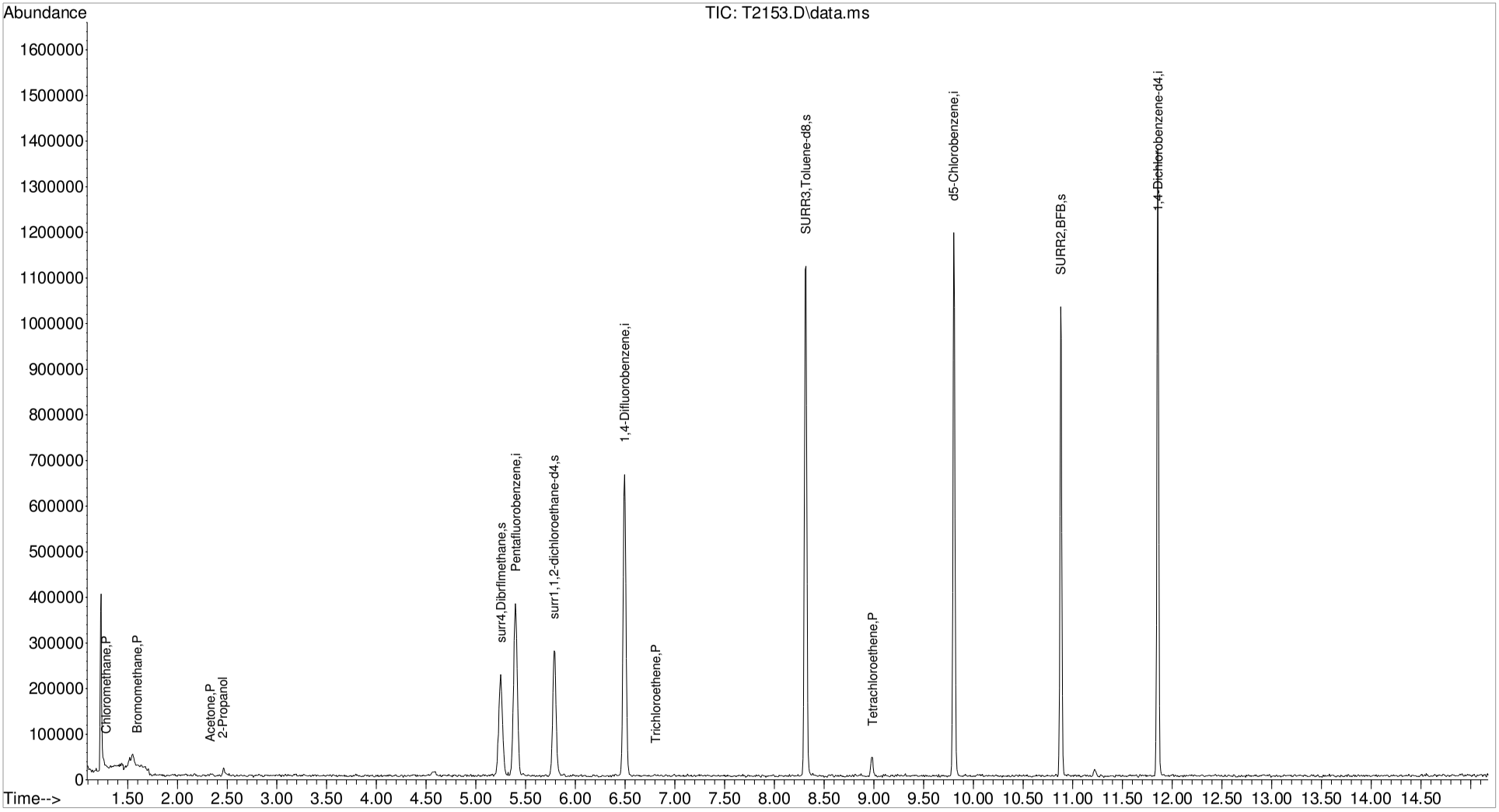
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	354287	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	556367	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	507746	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	252481	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	168315	49.81	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.62%				
46) surr1,1,2-dichloroetha...	5.787	65	227428	56.66	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 113.32%				
64) SURR3,Toluene-d8	8.317	98	673424	51.85	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.70%				
69) SURR2,BFB	10.878	95	244835	47.82	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.64%				
Target Compounds							Qvalue
3) Chloromethane	1.282	50	3415	0.67	ug/L		73
5) Bromomethane	1.593	94	1481	0.43	ug/L	#	57
10) Freon 123a	2.044	67	368	Below Cal		#	24
15) Acetone	2.330	43	4811m	2.76	ug/L		
16) 2-Propanol	2.458	45	15488	37.08	ug/L		81
21) Methyl Acetate	2.647	43	680	Below Cal			95
37) Methacrylonitrile	4.739	67	276	Below Cal		#	1
38) Tetrahydrofuran	4.873	42	256	Below Cal		#	37
42) Cyclohexane	5.312	41	574	Below Cal		#	34
53) Trichloroethene	6.805	130	1370	0.41	ug/L	#	13
60) 2-Nitropropane	7.732	41	355	Below Cal		#	3
71) Tetrachloroethene	8.988	164	8369	3.14	ug/L	#	63

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

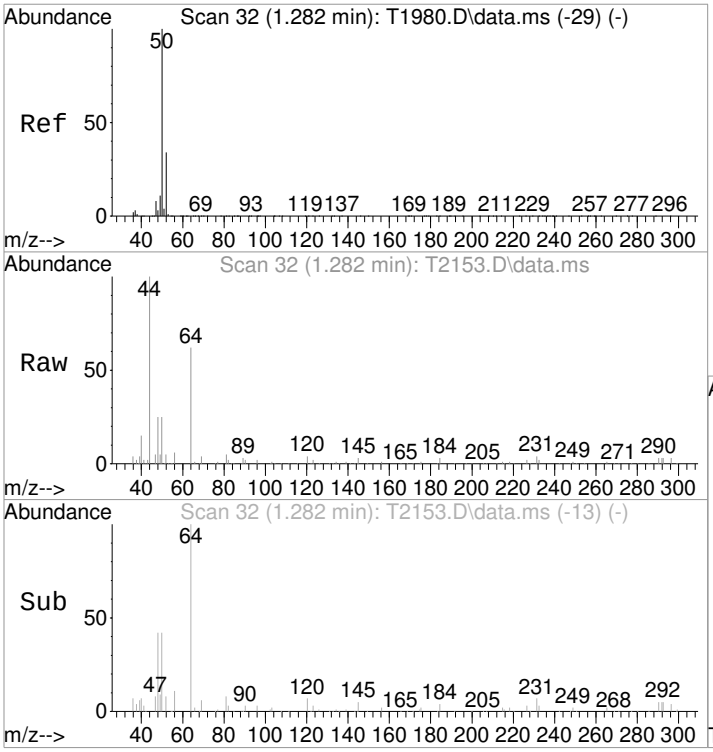
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2153.D
Acq On : 24 Sep 2020 3:02 pm
Operator : F.NAEGLER
Sample : R2008657-002|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 25 17:15:49 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



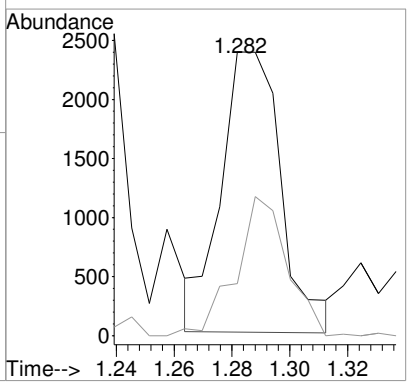
1st 09/25/20
2nd 09/26/20

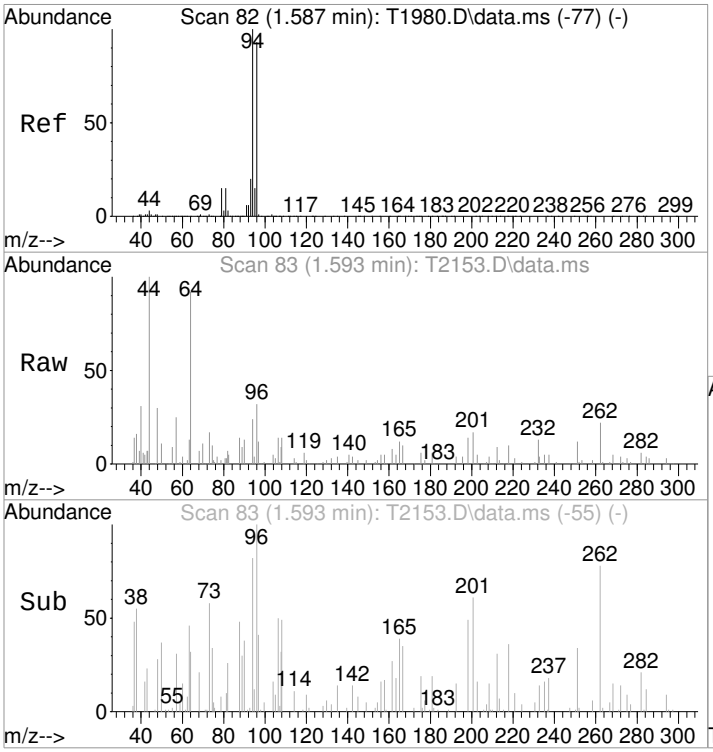


#3
Chloromethane
Concen: 0.67 ug/L
RT: 1.282 min Scan# 32
Delta R.T. -0.000 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 50 Resp: 3415

Ion	Ratio	Lower	Upper
50	100		
52	18.4	13.7	53.7

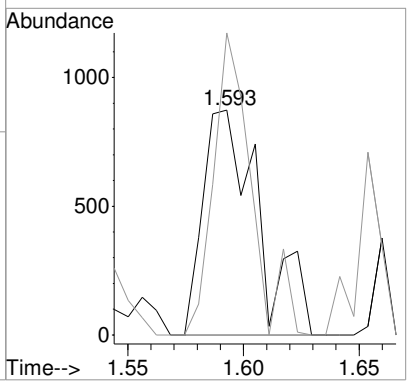


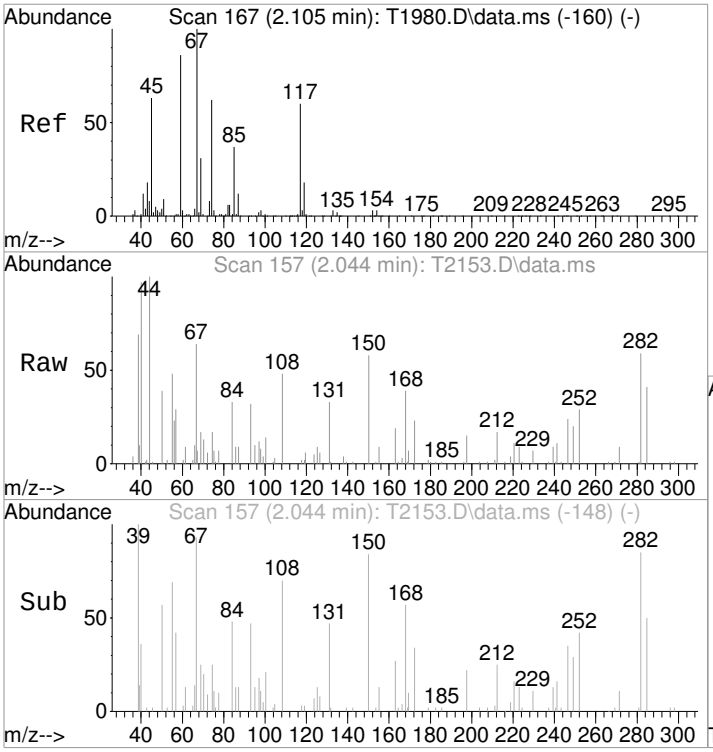


#5
Bromomethane
Concen: 0.43 ug/L
RT: 1.593 min Scan# 83
Delta R.T. 0.007 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 94 Resp: 1481

Ion	Ratio	Lower	Upper
94	100		
96	134.4	72.9	112.9#

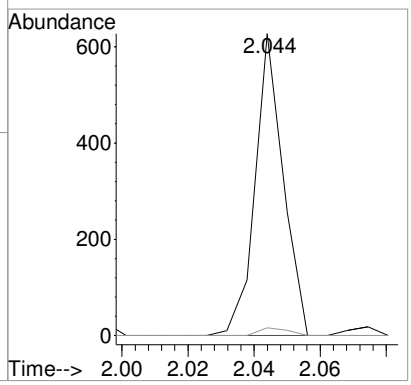


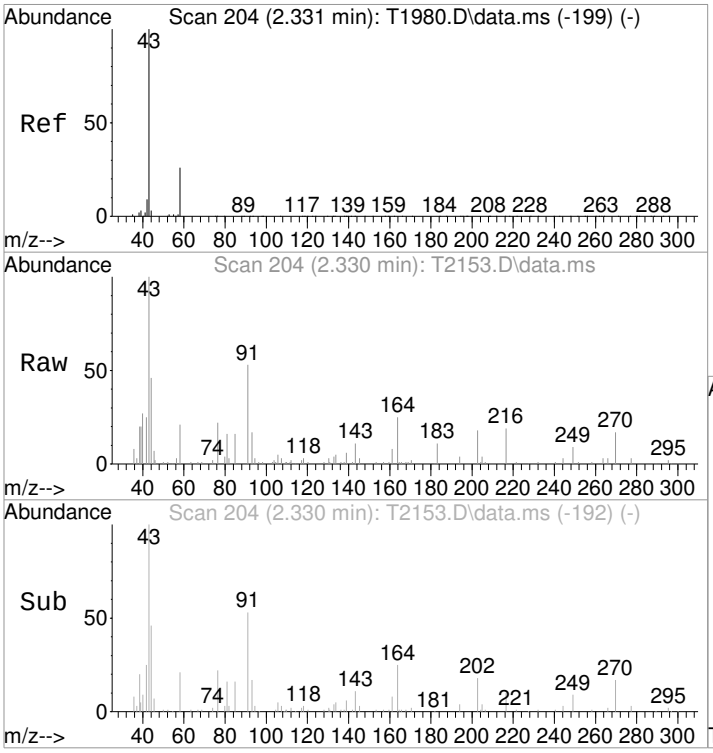


#10
Freon 123a
Concen: Below Cal
RT: 2.044 min Scan# 157
Delta R.T. -0.061 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 67 Resp: 368

Ion	Ratio	Lower	Upper
67	100		
117	2.6	40.7	80.7#

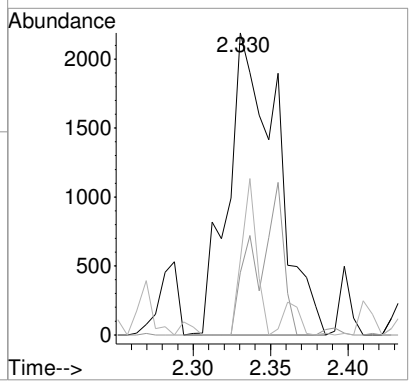


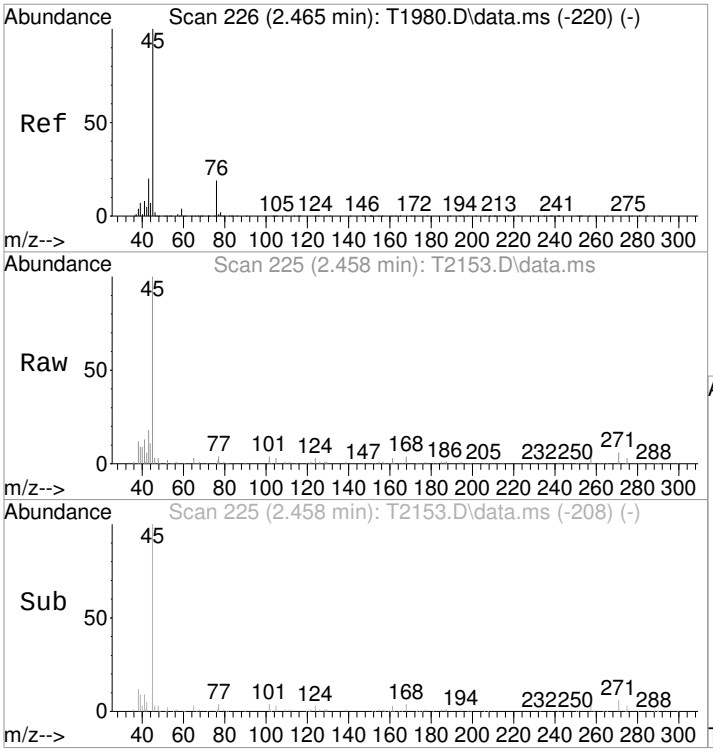


#15
Acetone
Concen: 2.76 ug/L m
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 43 Resp: 4811

Ion	Ratio	Lower	Upper
43	100		
58	20.6	6.1	46.1
42	24.8	0.0	29.3

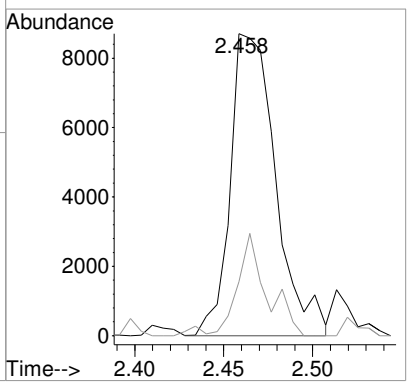


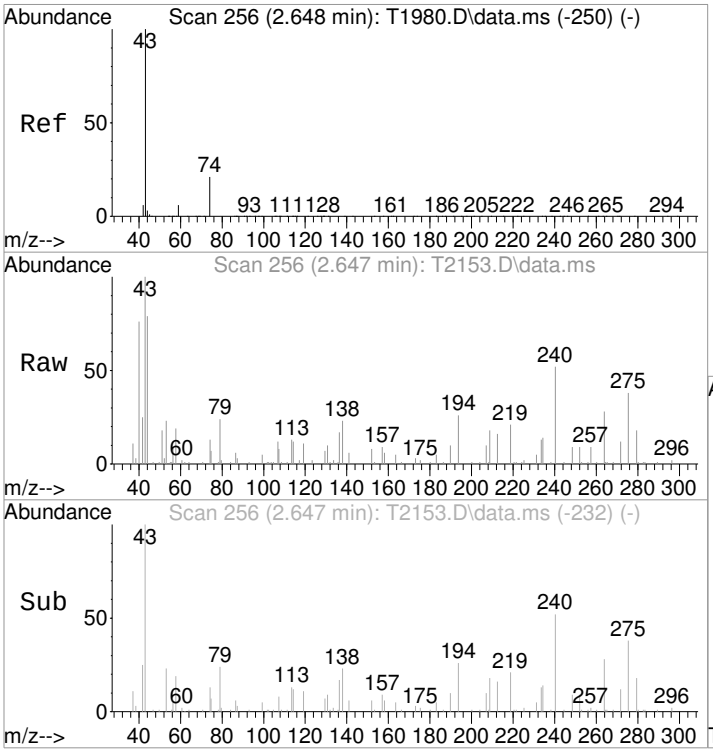


#16
2-Propanol
Concen: 37.08 ug/L
RT: 2.458 min Scan# 225
Delta R.T. -0.006 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 45 Resp: 15488

Ion	Ratio	Lower	Upper
45	100		
43	28.6	0.0	39.8

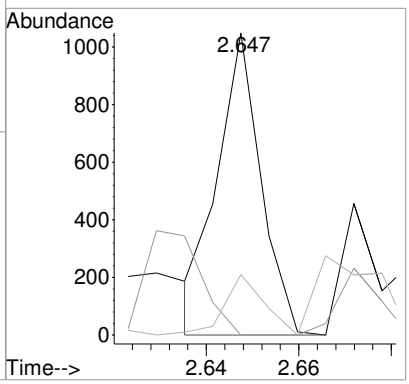


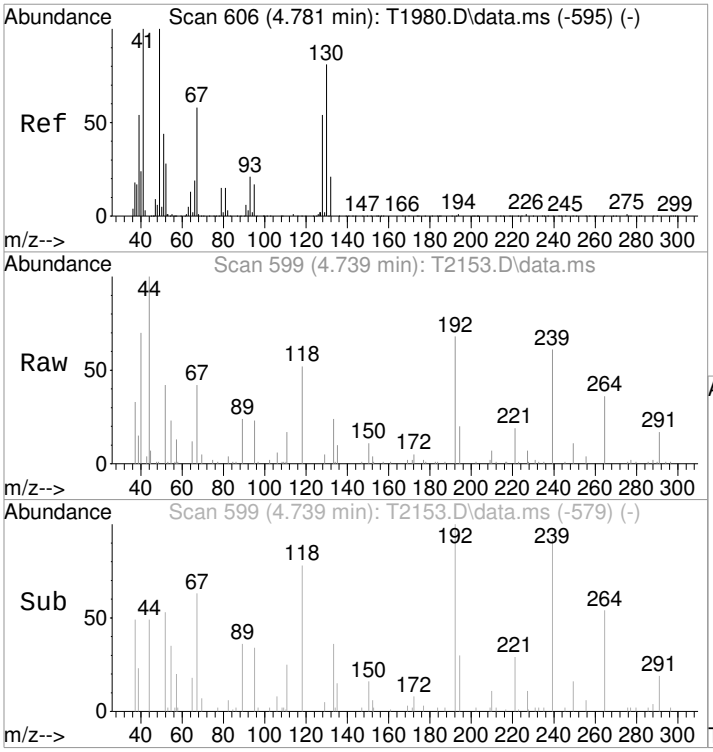


#21
Methyl Acetate
Concen: Below Cal
RT: 2.647 min Scan# 256
Delta R.T. 0.000 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 43 Resp: 680

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	20.0	0.6	40.6

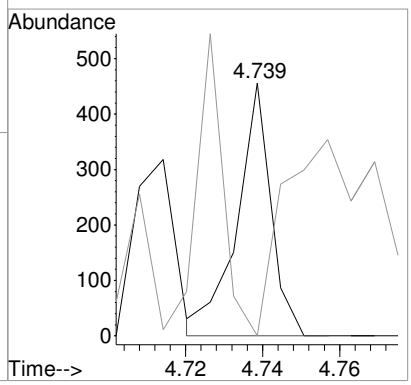


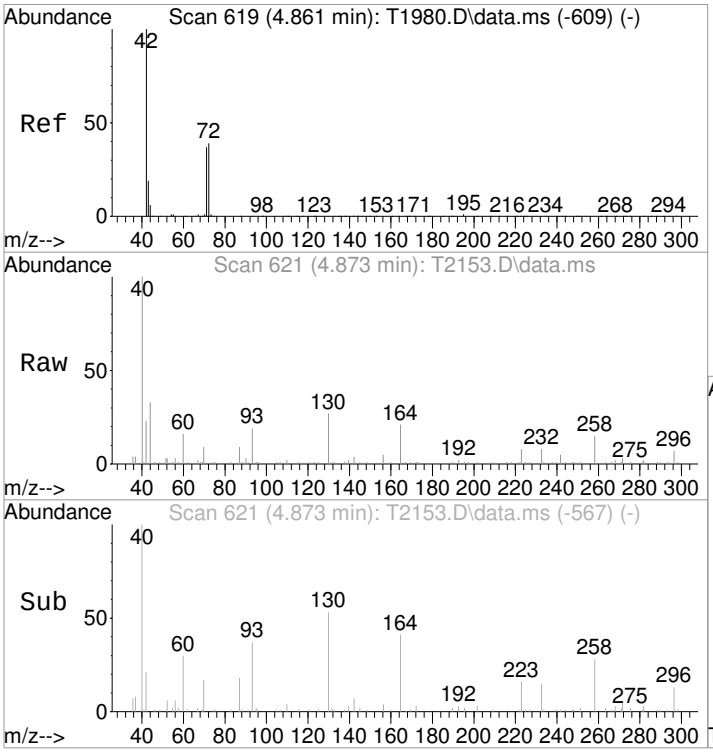


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.739 min Scan# 599
Delta R.T. -0.042 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 67 Resp: 276

Ion	Ratio	Lower	Upper
67	100		
41	0.0	154.0	194.0#

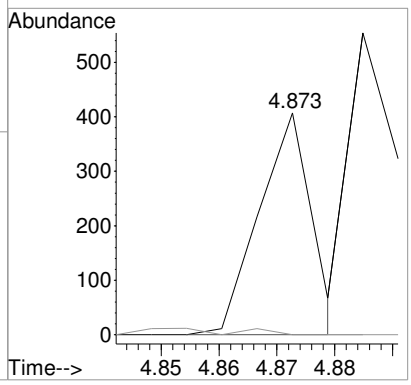


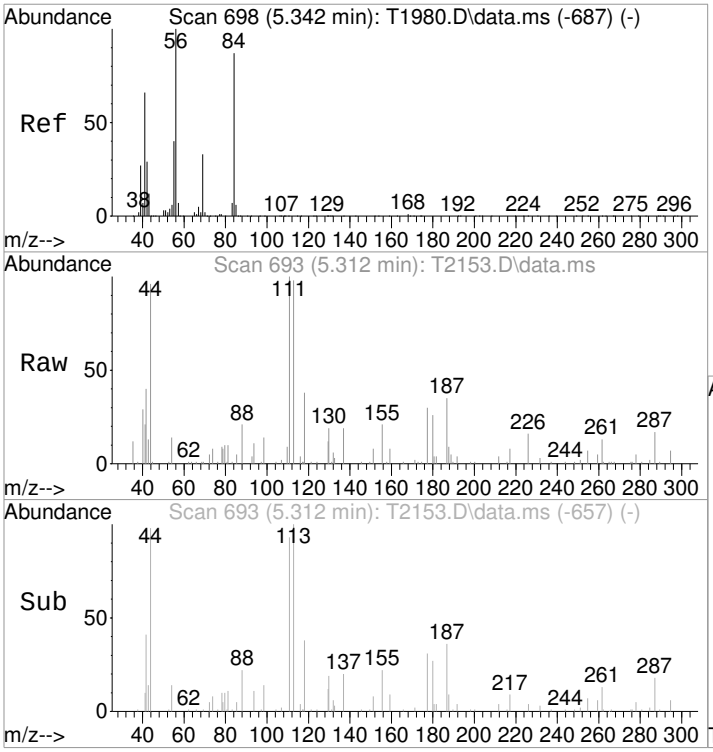


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.873 min Scan# 621
Delta R.T. 0.013 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 42 Resp: 256

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

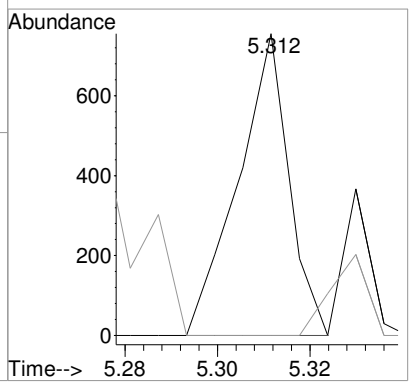


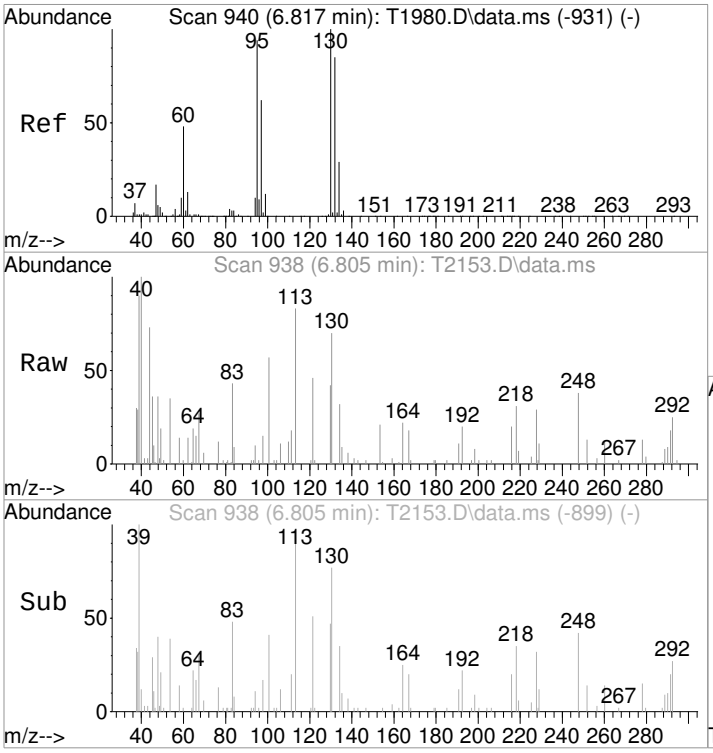


#42
Cyclohexane
Concen: Below Cal
RT: 5.312 min Scan# 693
Delta R.T. -0.030 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 41 Resp: 574

Ion	Ratio	Lower	Upper
41	100		
39	0.0	21.9	61.9#

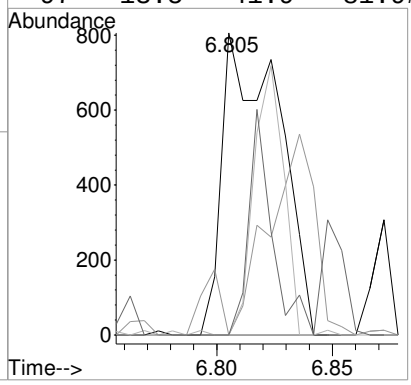


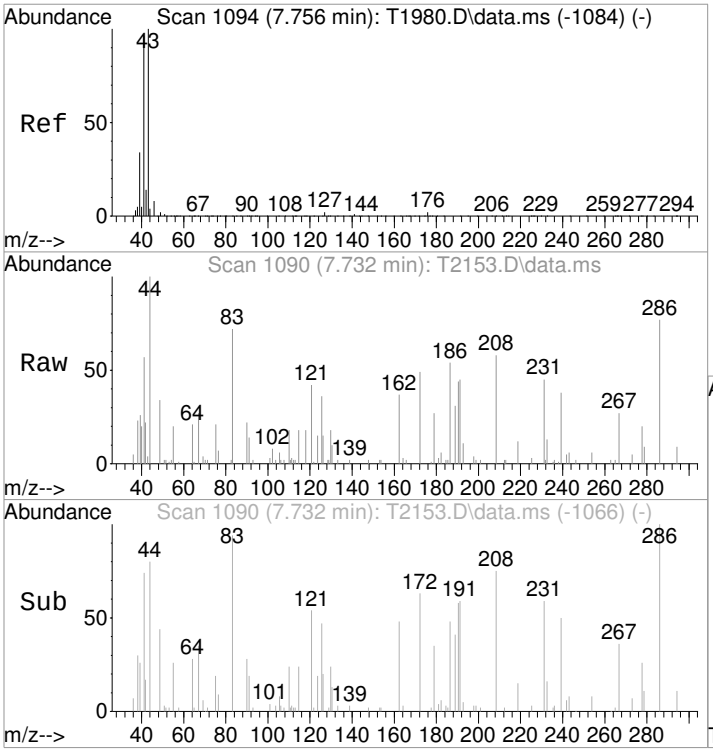


#53
Trichloroethene
Concen: 0.41 ug/L
RT: 6.805 min Scan# 938
Delta R.T. -0.012 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion:130 Resp: 1370

Ion	Ratio	Lower	Upper
130	100		
132	0.0	65.4	105.4#
95	0.0	73.7	113.7#
97	13.5	41.9	81.9#

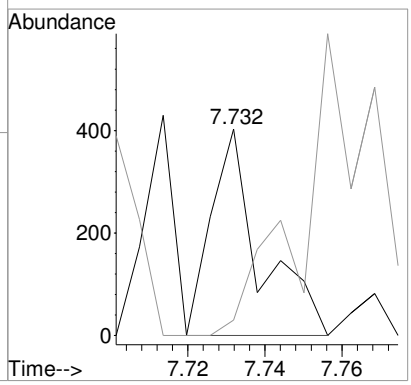


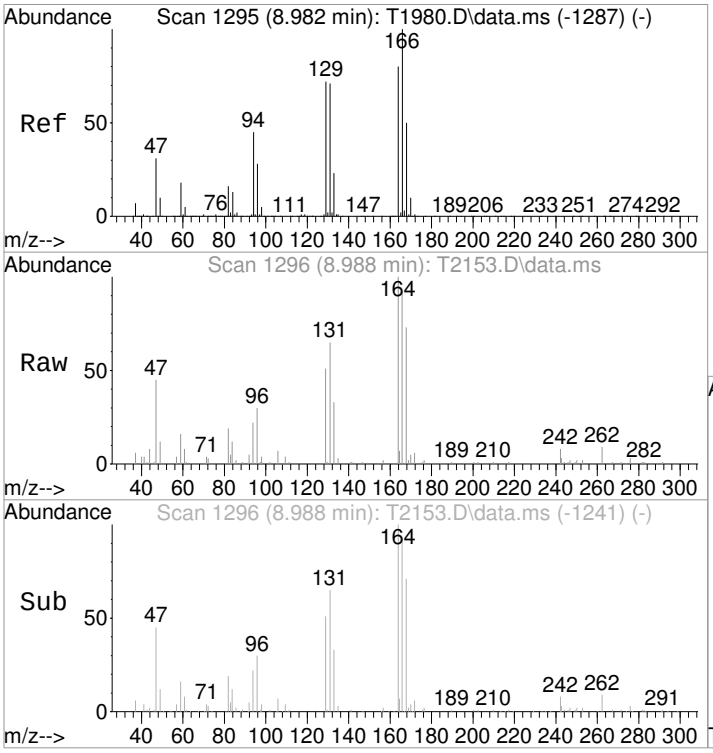


#60
2-Nitropropane
Concen: Below Cal
RT: 7.732 min Scan# 1090
Delta R.T. -0.024 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion: 41 Resp: 355

Ion	Ratio	Lower	Upper
41	100		
43	5.3	84.5	124.5#

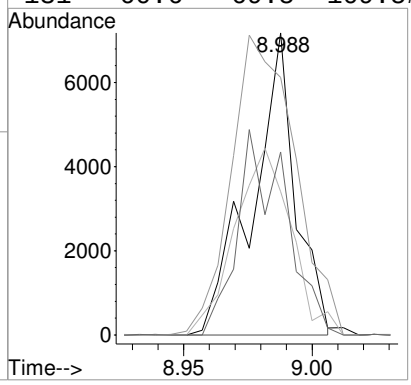




#71
Tetrachloroethene
Concen: 3.14 ug/L
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: T2153.D
Acq: 24 Sep 2020 3:02 pm

Tgt Ion:164 Resp: 8369

Ion	Ratio	Lower	Upper
164	100		
166	85.3	105.6	145.6#
129	48.1	69.9	109.9#
131	60.6	69.5	109.5#

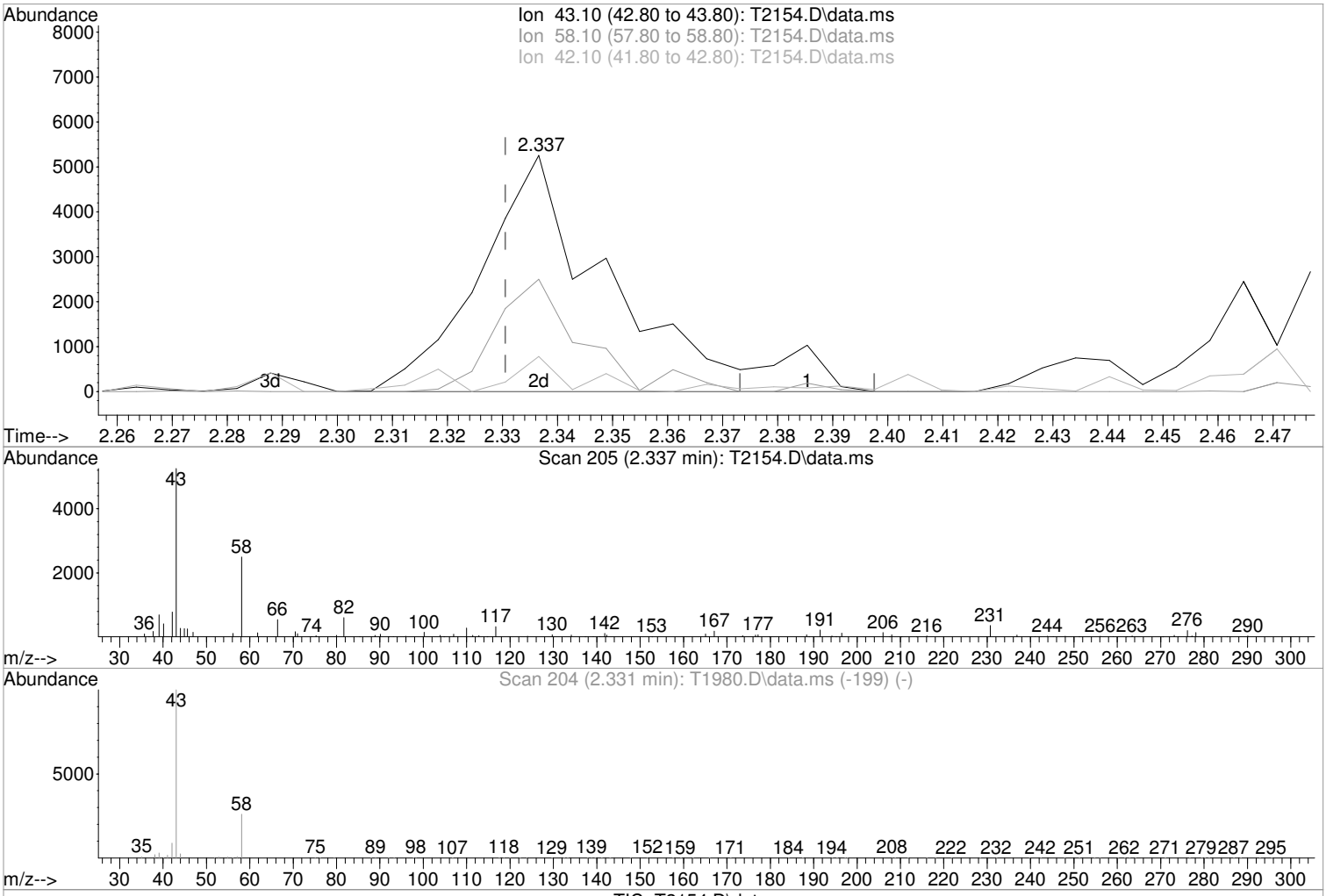


1st FW 09/25/20
2nd WR 09/26/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2154.D
Acq On : 24 Sep 2020 3:24 pm
Operator : F.NAEGLER
Sample : R2008657-003|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 16:15:08 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T2154.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 4.92 ug/L m

response 8863

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	47.57#
42.10	9.30	14.89
0.00	0.00	0.00

Manual Integration:

After

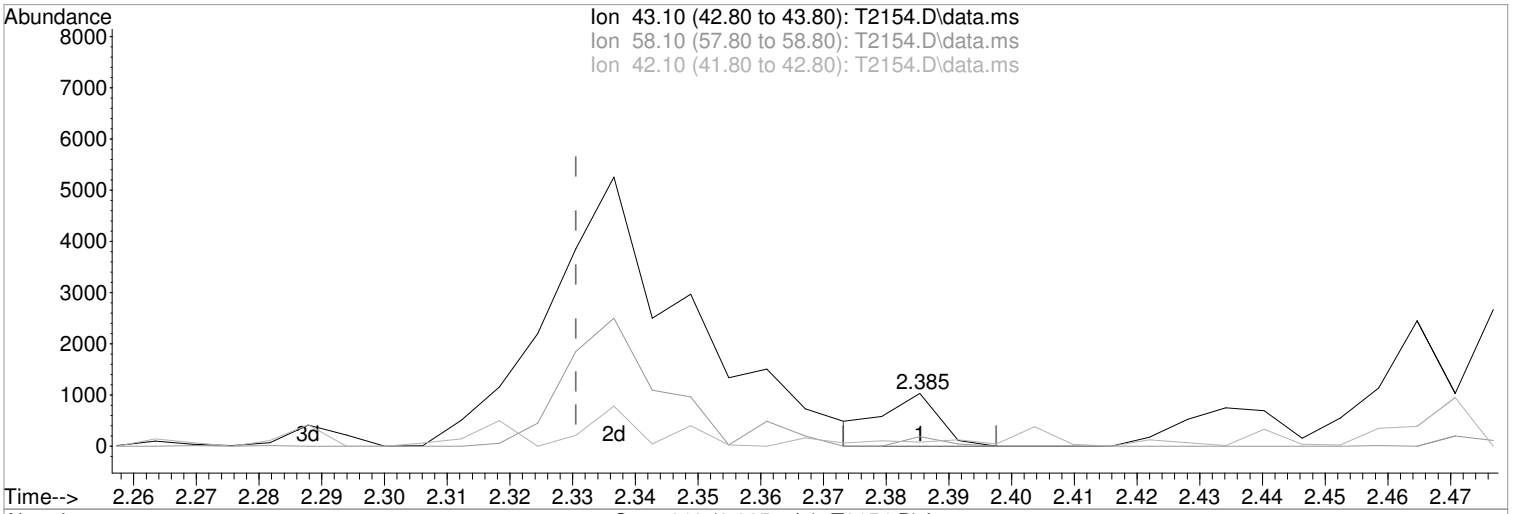
Poor integration.

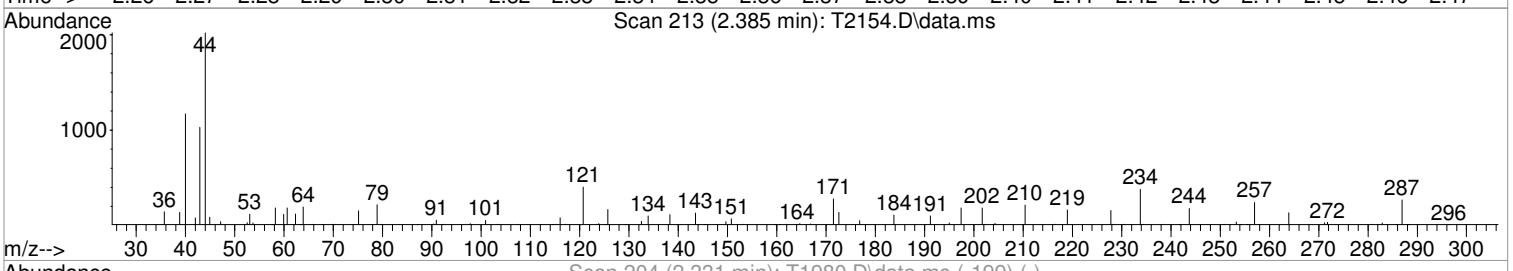
09/25/20

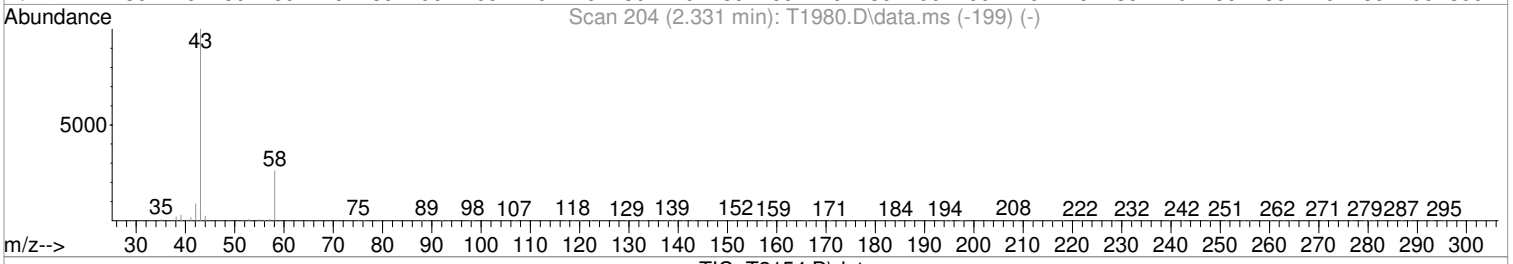
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2154.D
Acq On : 24 Sep 2020 3:24 pm
Operator : F.NAEGLER
Sample : R2008657-003|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 16:15:08 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2154.D\data.ms

(15) Acetone (P)

2.385min (+0.055) 0.35 ug/L

response 630

Ion	Exp%	Act%
43.10	100	100
58.10	26.10	17.96
42.10	9.30	7.67
0.00	0.00	0.00

Manual Integration:

Before

09/25/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2154.D
Acq On : 24 Sep 2020 3:24 pm
Operator : F.NAEGLER
Sample : R2008657-003|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 25 17:17:46 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

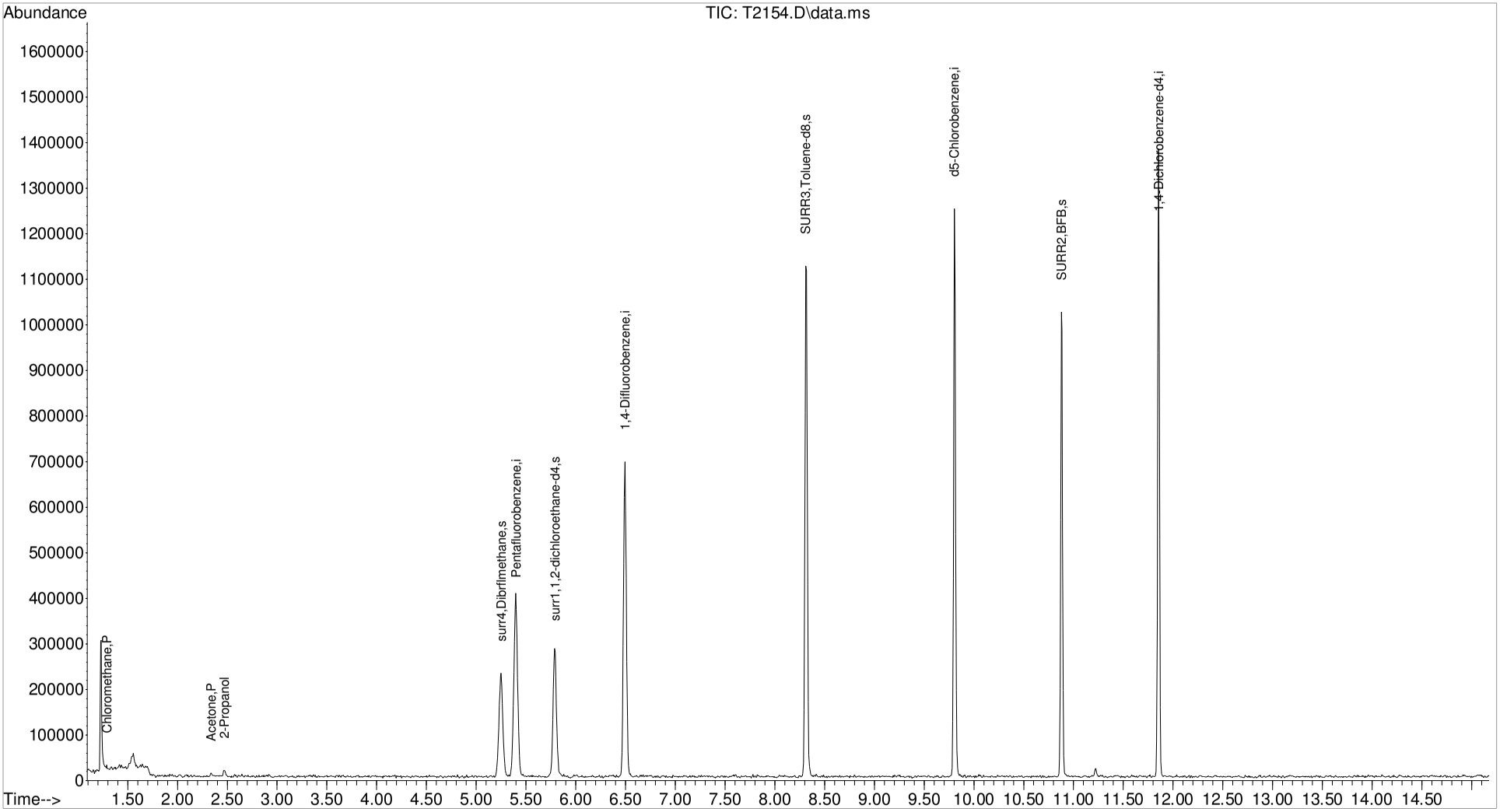
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	366451	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	565967	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	519796	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	250803	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	171930	50.01	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.02%				
46) surr1,1,2-dichloroetha...	5.793	65	225524	55.23	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 110.46%				
64) SURR3,Toluene-d8	8.311	98	671014	50.78	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.56%				
69) SURR2,BFB	10.878	95	245839	47.20	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.40%				
Target Compounds							Qvalue
3) Chloromethane	1.288	50	3164	0.60	ug/L	#	65
15) Acetone	2.337	43	8863m	4.92	ug/L		
16) 2-Propanol	2.471	45	14893	34.47	ug/L		82
21) Methyl Acetate	2.587	43	255	Below Cal			66
37) Methacrylonitrile	4.708	67	401	Below Cal		#	1
38) Tetrahydrofuran	4.885	42	254	Below Cal		#	1
42) Cyclohexane	5.385	41	262	Below Cal		#	1
60) 2-Nitropropane	7.738	41	403	Below Cal		#	1

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

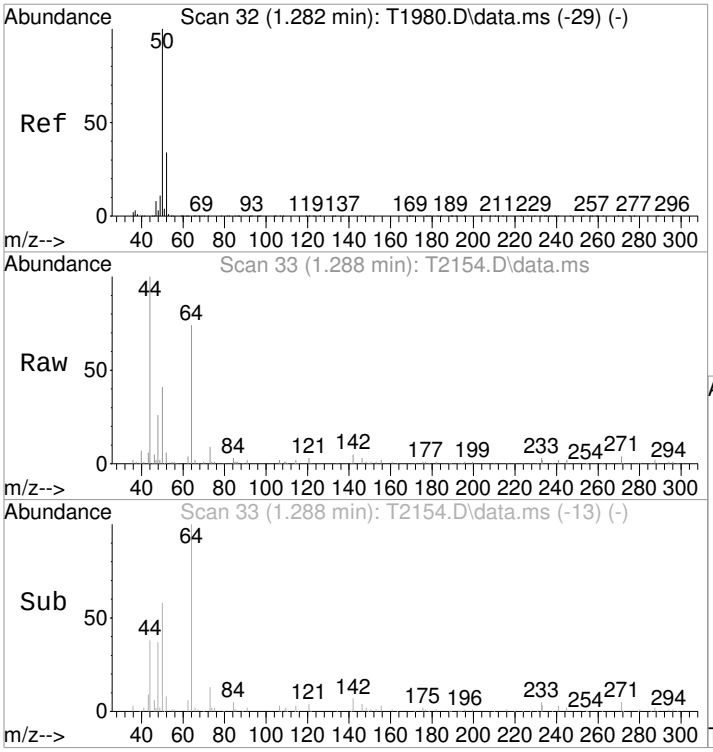
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2154.D
Acq On : 24 Sep 2020 3:24 pm
Operator : F.NAEGLER
Sample : R2008657-003|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 25 17:17:46 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



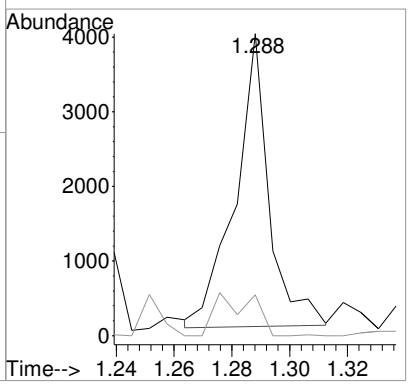
1st FJ 09/25/20
2nd 09/26/20

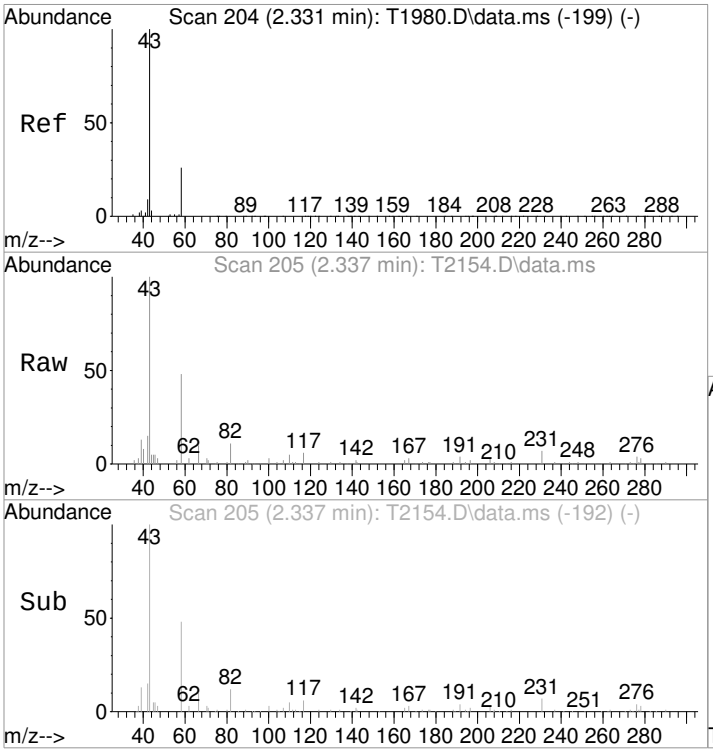


#3
Chloromethane
Concen: 0.60 ug/L
RT: 1.288 min Scan# 33
Delta R.T. 0.006 min
Lab File: T2154.D
Acq: 24 Sep 2020 3:24 pm

Tgt Ion: 50 Resp: 3164

Ion	Ratio	Lower	Upper
50	100		
52	13.5	13.7	53.7#

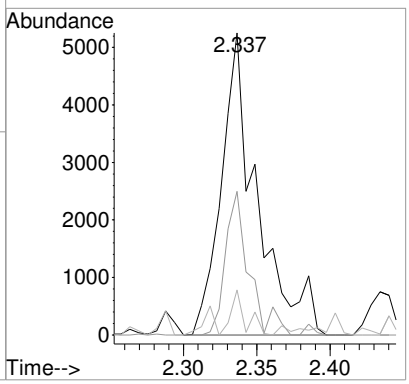


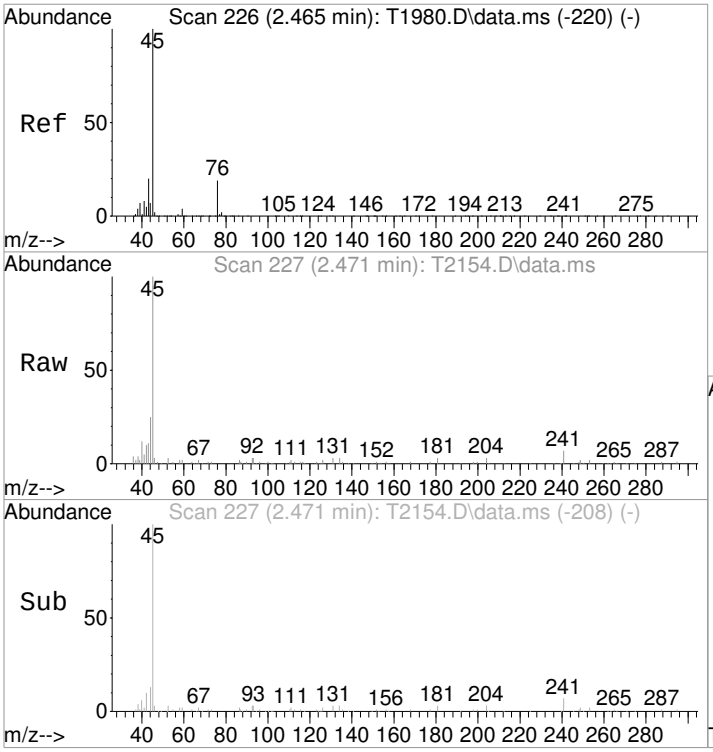


#15
Acetone
Concen: 4.92 ug/L m
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2154.D
Acq: 24 Sep 2020 3:24 pm

Tgt Ion: 43 Resp: 8863

Ion	Ratio	Lower	Upper
43	100		
58	47.6	6.1	46.1#
42	14.9	0.0	29.3

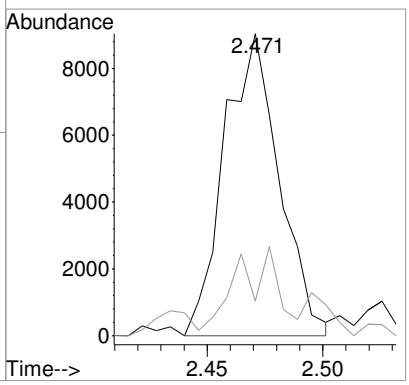


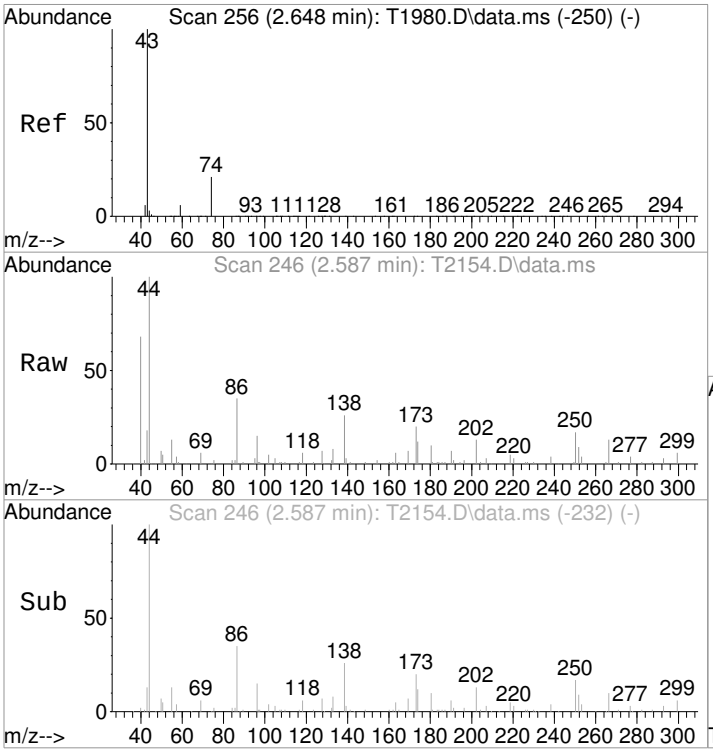


#16
2-Propanol
Concen: 34.47 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2154.D
Acq: 24 Sep 2020 3:24 pm

Tgt Ion: 45 Resp: 14893

Ion	Ratio	Lower	Upper
45	100		
43	11.4	0.0	39.8

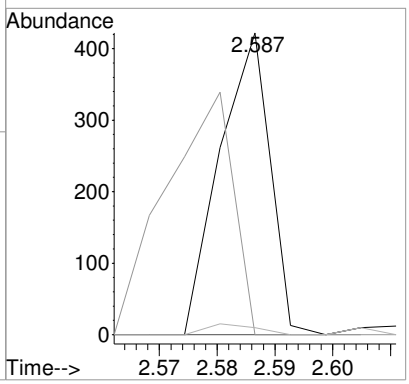


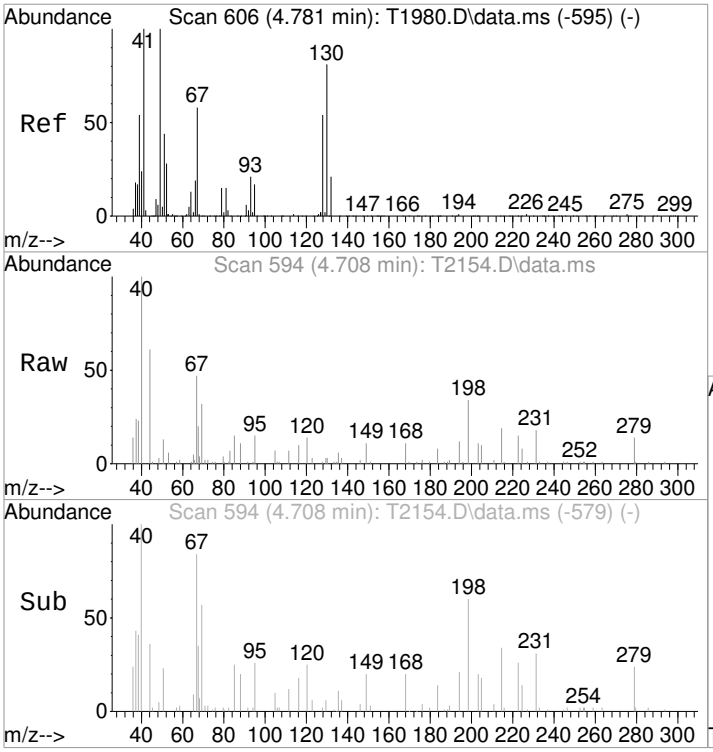


#21
Methyl Acetate
Concen: Below Cal
RT: 2.587 min Scan# 246
Delta R.T. -0.060 min
Lab File: T2154.D
Acq: 24 Sep 2020 3:24 pm

Tgt Ion: 43 Resp: 255

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	2.4	0.6	40.6

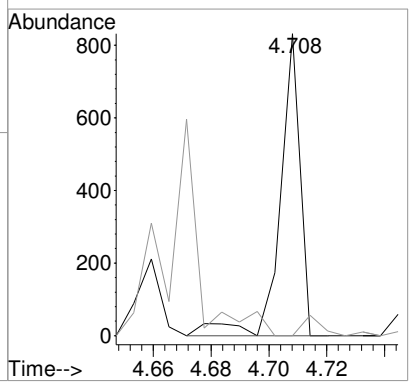


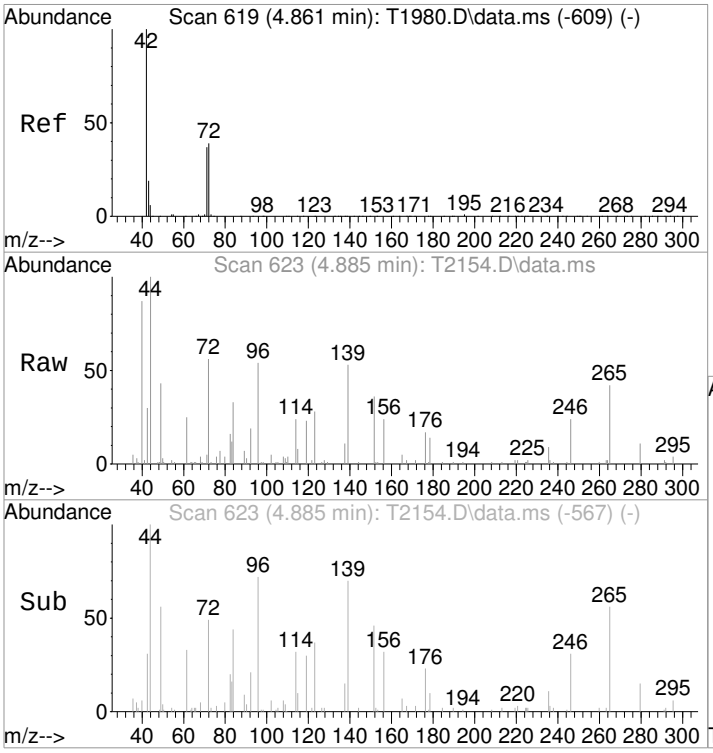


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.708 min Scan# 594
Delta R.T. -0.073 min
Lab File: T2154.D
Acq: 24 Sep 2020 3:24 pm

Tgt Ion: 67 Resp: 401

Ion	Ratio	Lower	Upper
67	100		
41	0.0	154.0	194.0#

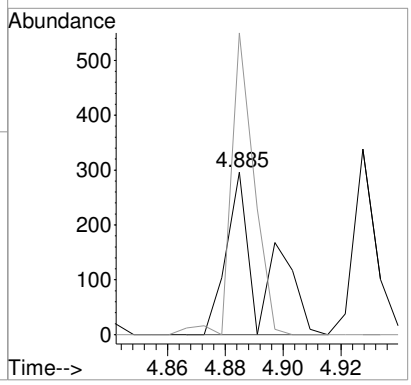


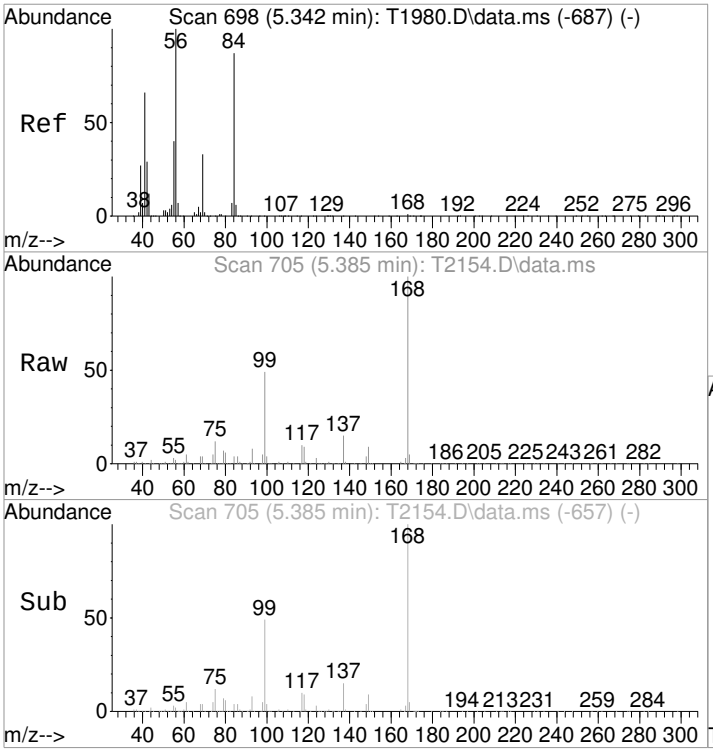


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.885 min Scan# 623
Delta R.T. 0.025 min
Lab File: T2154.D
Acq: 24 Sep 2020 3:24 pm

Tgt Ion: 42 Resp: 254

Ion	Ratio	Lower	Upper
42	100		
72	185.8	18.3	58.3#

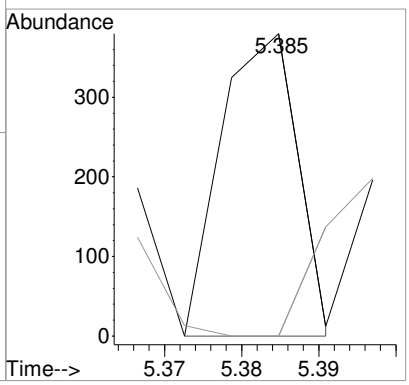


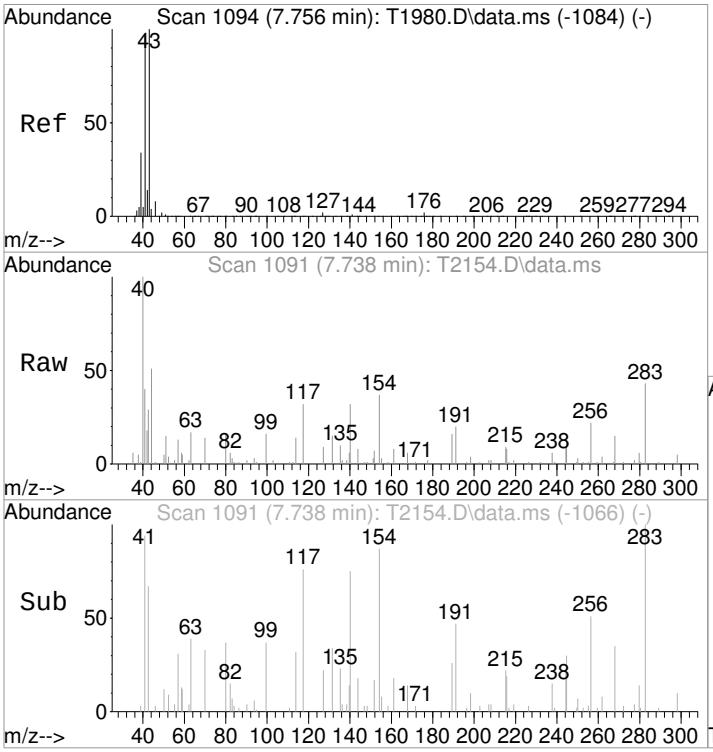


#42
Cyclohexane
Concen: Below Cal
RT: 5.385 min Scan# 705
Delta R.T. 0.043 min
Lab File: T2154.D
Acq: 24 Sep 2020 3:24 pm

Tgt Ion: 41 Resp: 262

Ion	Ratio	Lower	Upper
41	100		
39	178.4	21.9	61.9#

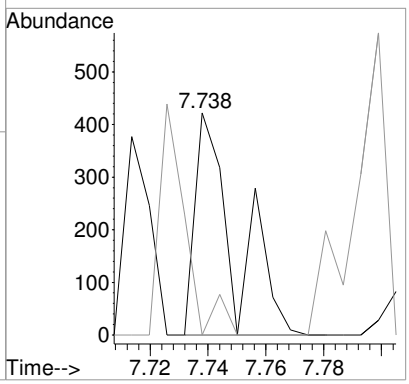




#60
2-Nitropropane
Concen: Below Cal
RT: 7.738 min Scan# 1091
Delta R.T. -0.018 min
Lab File: T2154.D
Acq: 24 Sep 2020 3:24 pm

Tgt Ion: 41 Resp: 403

Ion	Ratio	Lower	Upper
41	100		
43	0.0	84.5	124.5#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2155.D
Acq On : 24 Sep 2020 3:46 pm
Operator : F.NAEGLER
Sample : R2008657-007|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 25 17:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

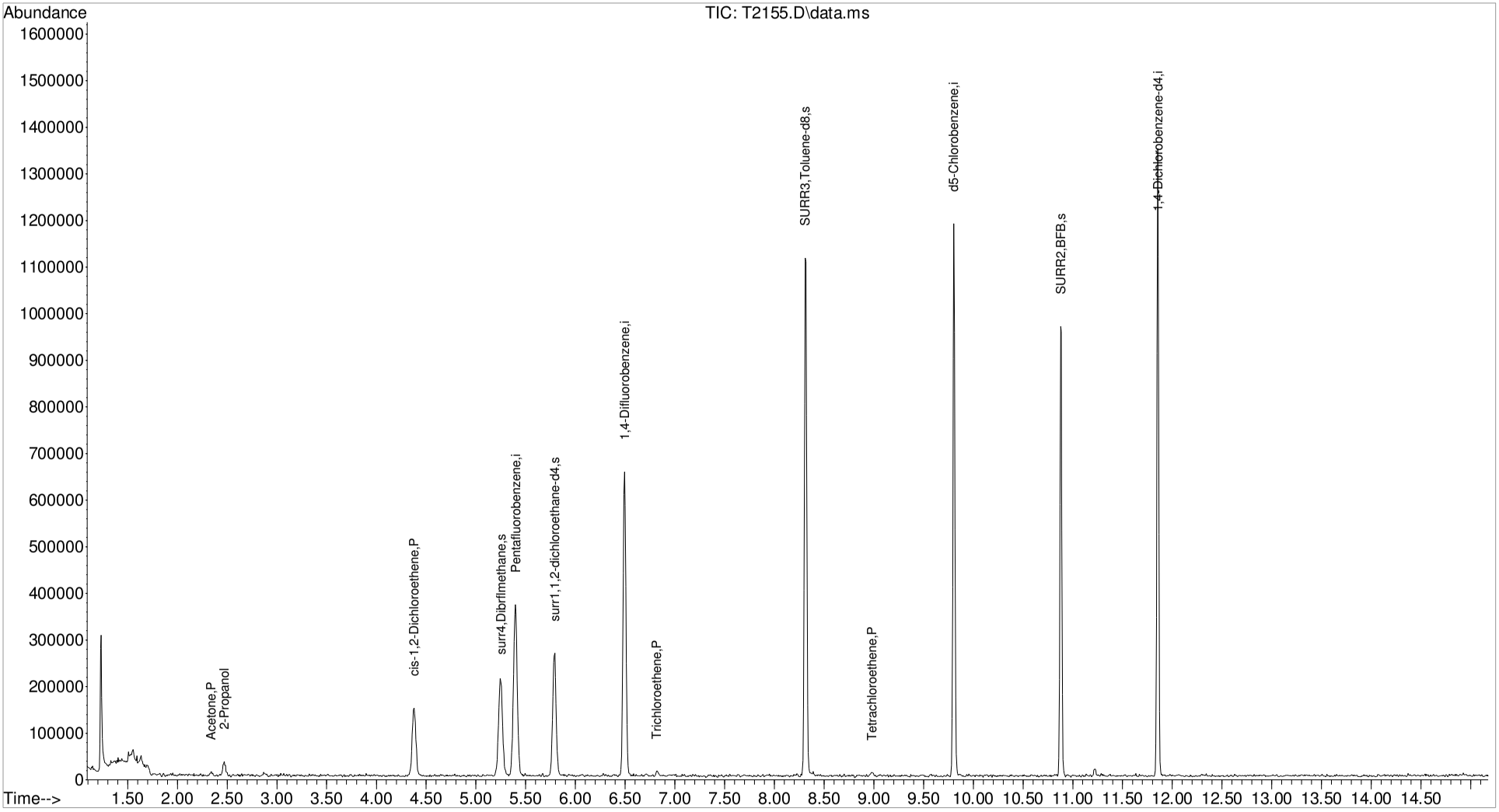
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	349060	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	544329	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	487406	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	246103	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	168818	51.06	ug/L		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.12%				
46) surr1,1,2-dichloroetha...	5.793	65	227850	58.02	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 116.04%				
64) SURR3,Toluene-d8	8.311	98	666021	52.41	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.82%				
69) SURR2,BFB	10.877	95	234672	46.85	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.70%				
Target Compounds							Qvalue
15) Acetone	2.336	43	7236	4.22	ug/L		72
16) 2-Propanol	2.471	45	34396	83.58	ug/L		82
21) Methyl Acetate	2.721	43	478	Below Cal			65
33) cis-1,2-Dichloroethene	4.379	96	77910	22.16	ug/L		91
37) Methacrylonitrile	4.793	67	253	Below Cal		#	37
42) Cyclohexane	5.354	41	394	Below Cal			82
53) Trichloroethene	6.817	130	3491	1.07	ug/L	#	77
58) Methyl Methacrylate	7.293	69	369	Below Cal		#	35
60) 2-Nitropropane	7.701	41	465	Below Cal		#	1
71) Tetrachloroethene	8.982	164	1920	0.75	ug/L	#	54

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

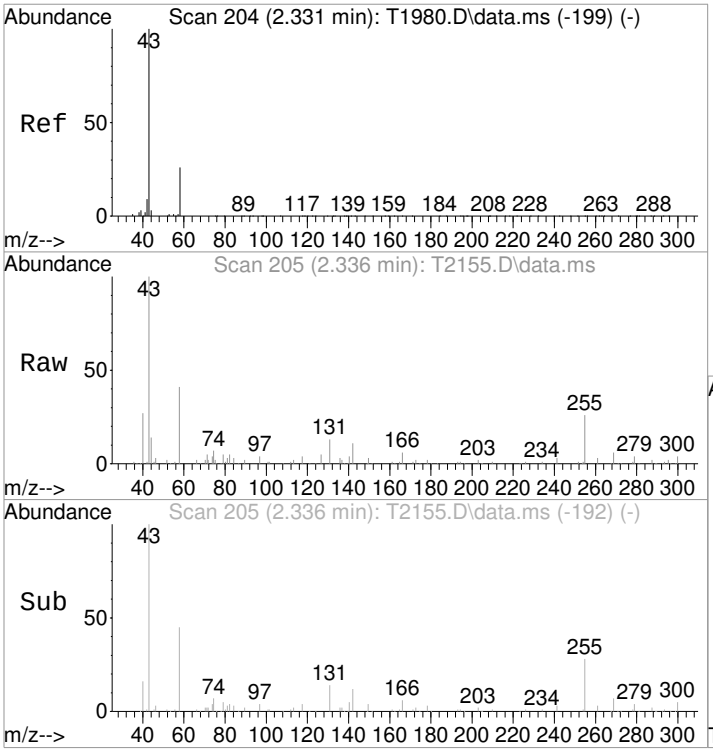
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2155.D
Acq On : 24 Sep 2020 3:46 pm
Operator : F.NAEGLER
Sample : R2008657-007|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 25 17:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



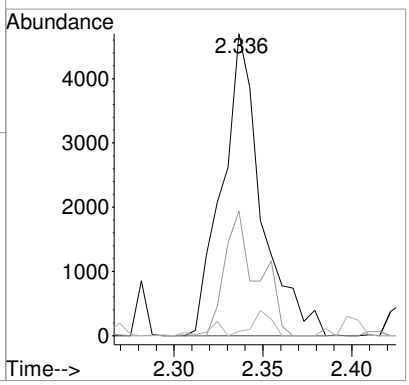
1st FJ 09/25/20
2nd 09/26/20

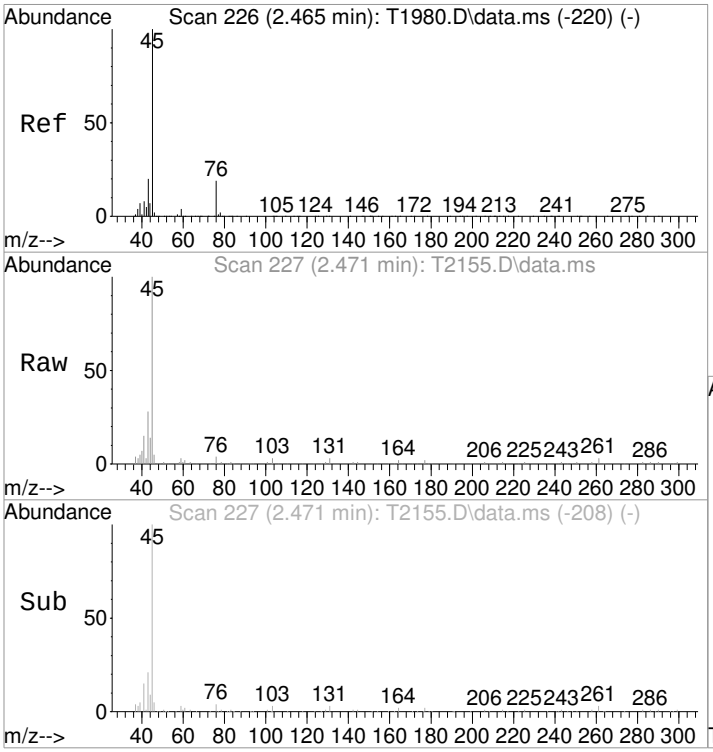


#15
Acetone
Concen: 4.22 ug/L
RT: 2.336 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion: 43 Resp: 7236

Ion	Ratio	Lower	Upper
43	100		
58	41.3	6.1	46.1
42	1.5	0.0	29.3

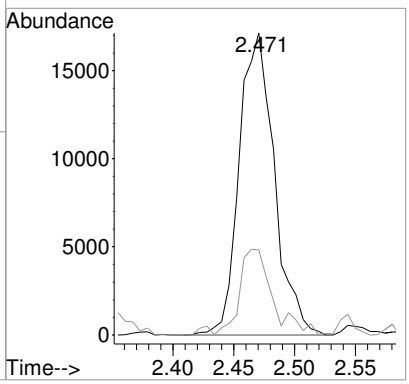


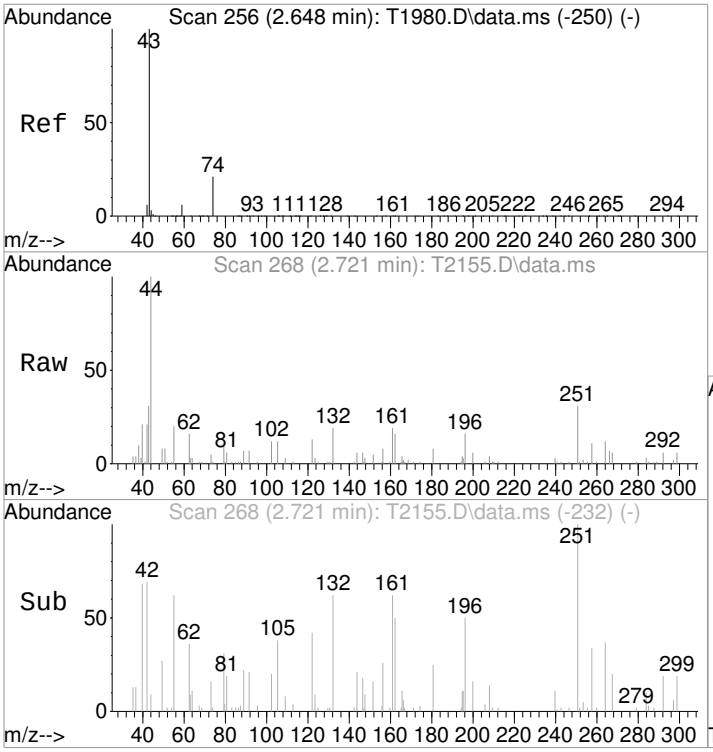


#16
2-Propanol
Concen: 83.58 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion: 45 Resp: 34396

Ion	Ratio	Lower	Upper
45	100		
43	28.1	0.0	39.8

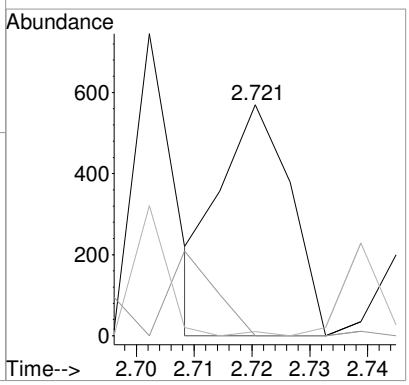


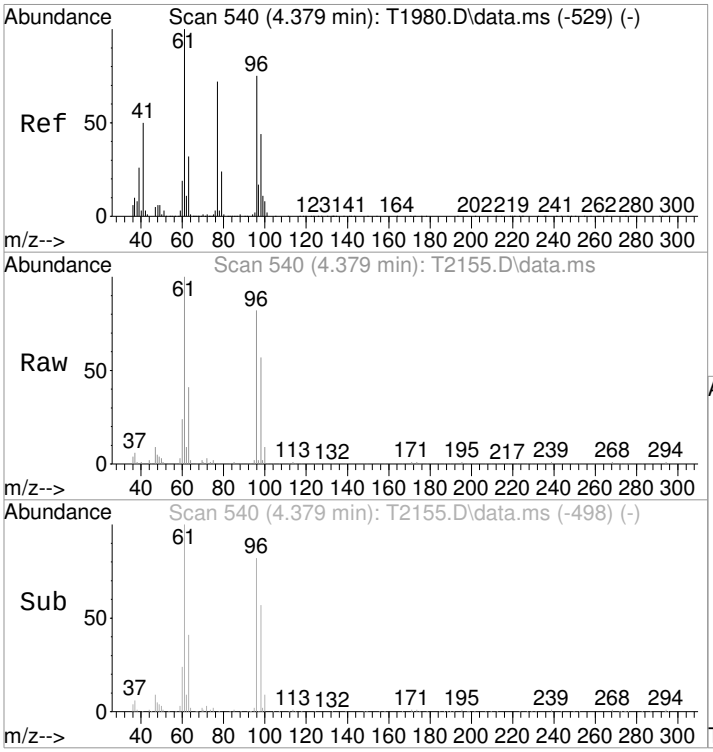


#21
Methyl Acetate
Concen: Below Cal
RT: 2.721 min Scan# 268
Delta R.T. 0.074 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion: 43 Resp: 478

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	1.8	0.6	40.6

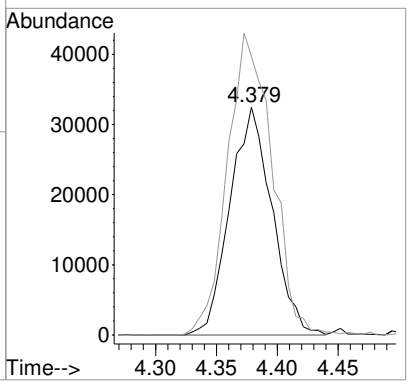


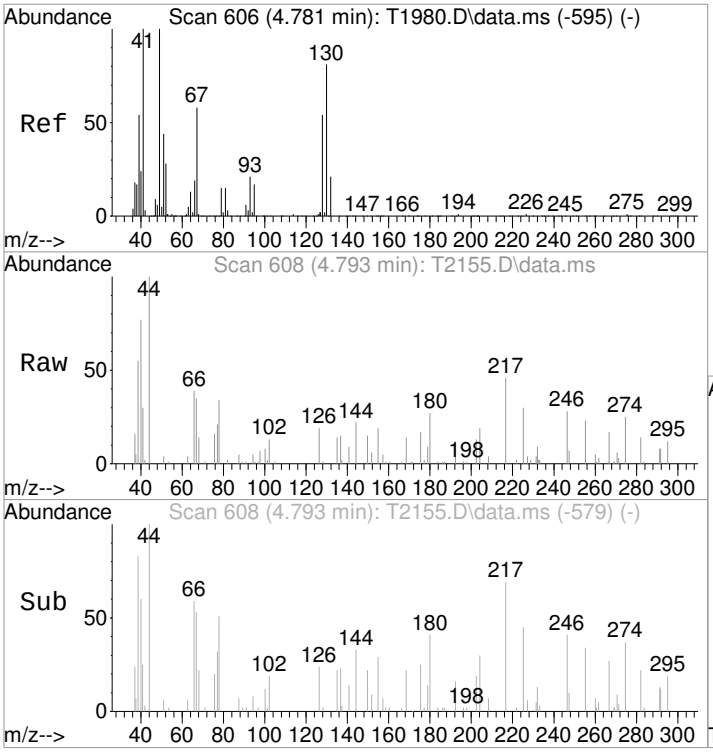


#33
cis-1,2-Dichloroethene
Concen: 22.16 ug/L
RT: 4.379 min Scan# 540
Delta R.T. -0.000 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion: 96 Resp: 77910

Ion	Ratio	Lower	Upper
96	100		
61	122.4	113.1	153.1

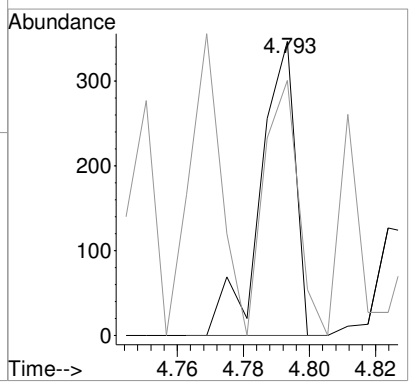


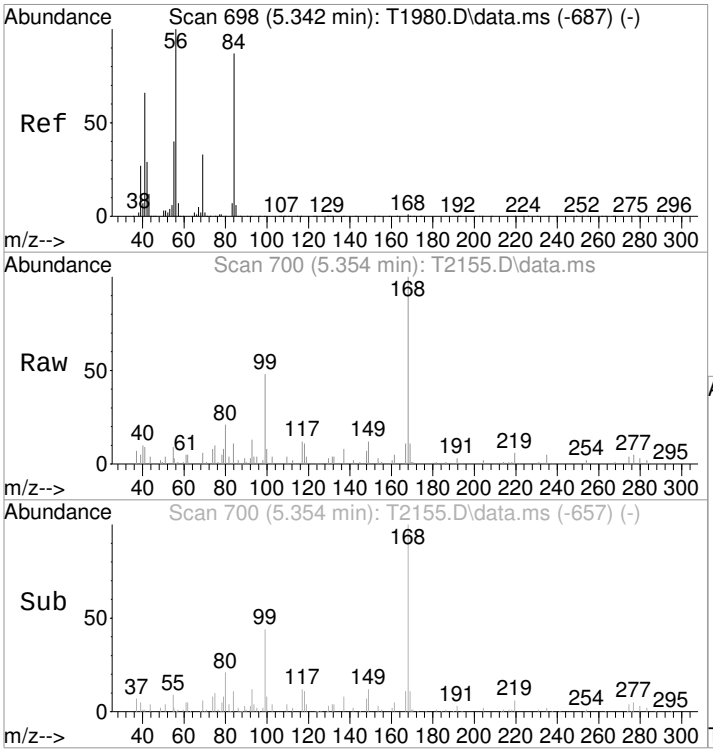


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.793 min Scan# 608
Delta R.T. 0.012 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion: 67 Resp: 253

Ion	Ratio	Lower	Upper
67	100		
41	86.7	154.0	194.0#

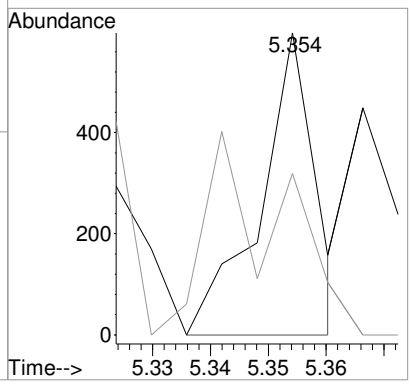


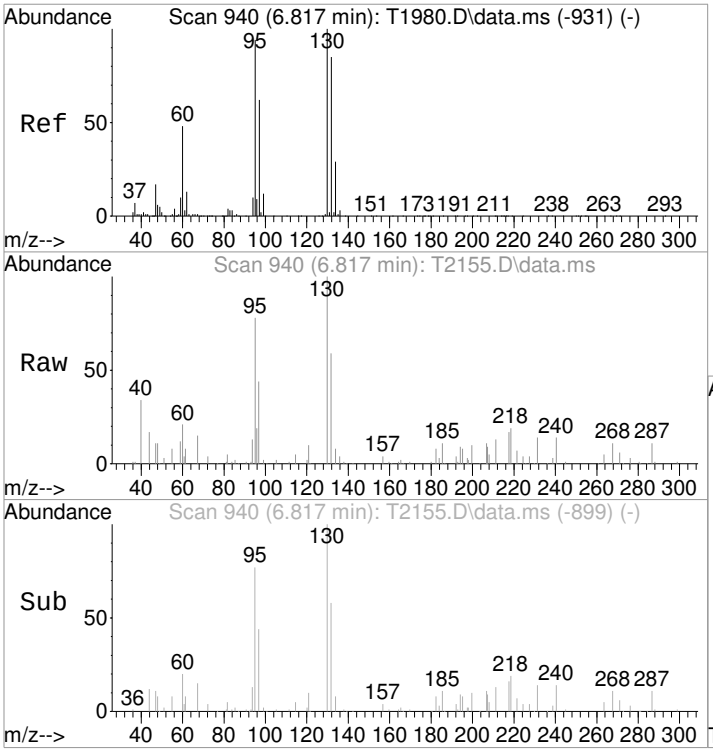


#42
Cyclohexane
Concen: Below Cal
RT: 5.354 min Scan# 700
Delta R.T. 0.012 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion: 41 Resp: 394

Ion	Ratio	Lower	Upper
41	100		
39	53.4	21.9	61.9

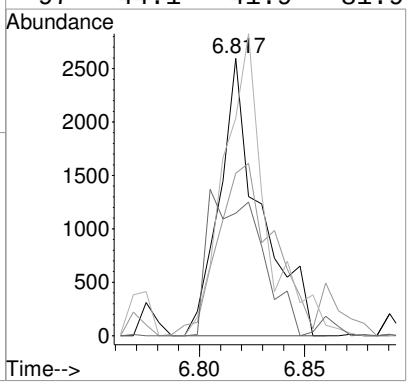


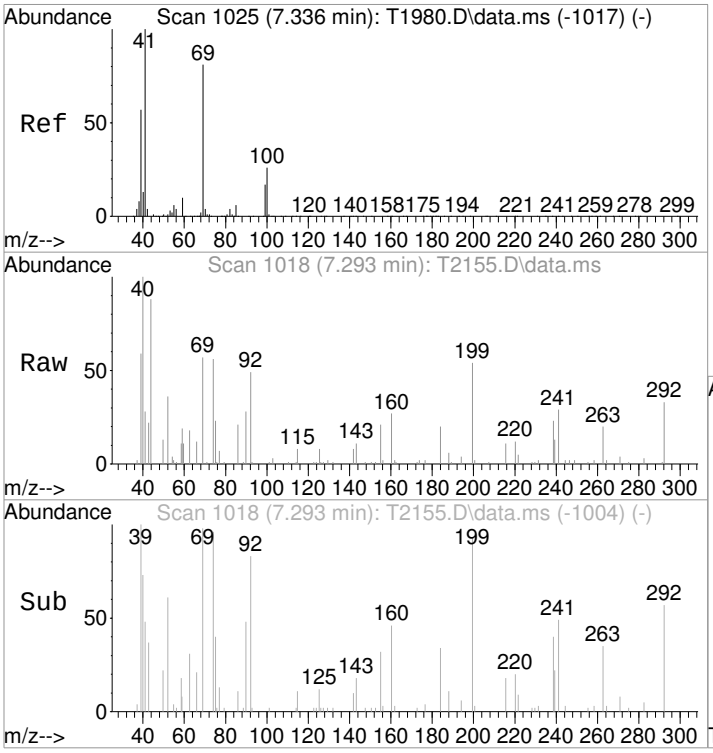


#53
Trichloroethene
Concen: 1.07 ug/L
RT: 6.817 min Scan# 940
Delta R.T. -0.000 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion:130 Resp: 3491

Ion	Ratio	Lower	Upper
130	100		
132	58.6	65.4	105.4#
95	78.4	73.7	113.7
97	44.1	41.9	81.9

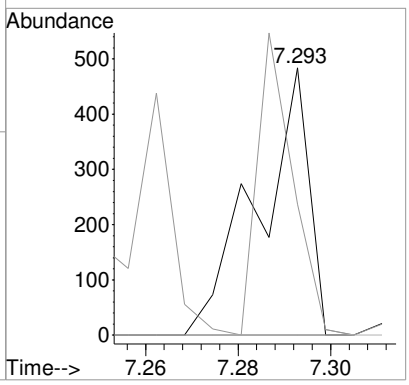


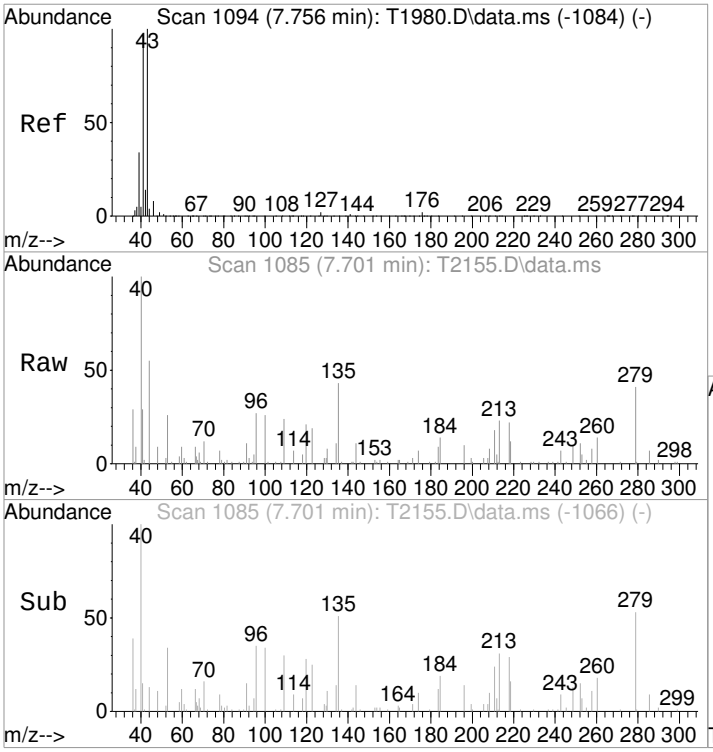


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.293 min Scan# 1018
Delta R.T. -0.042 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion: 69 Resp: 369

Ion	Ratio	Lower	Upper
69	100		
41	49.0	105.7	145.7#
100	0.0	12.5	52.5#

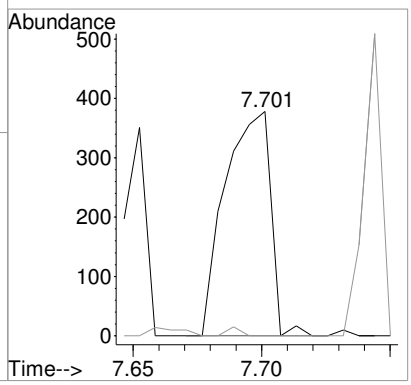


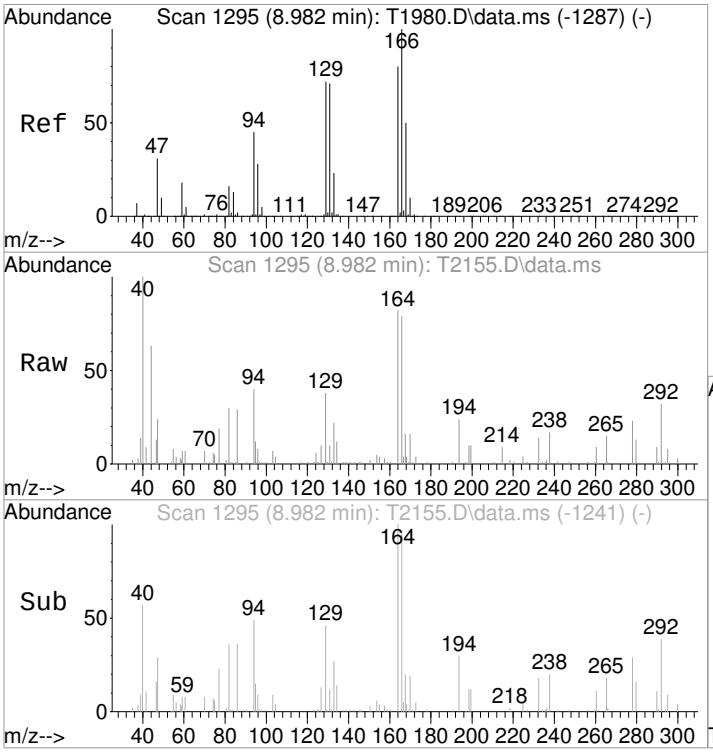


#60
2-Nitropropane
Concen: Below Cal
RT: 7.701 min Scan# 1085
Delta R.T. -0.055 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion: 41 Resp: 465

Ion	Ratio	Lower	Upper
41	100		
43	0.0	84.5	124.5#

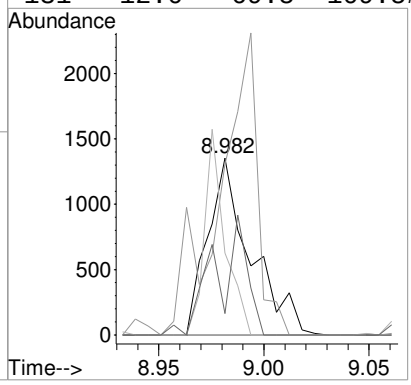




#71
Tetrachloroethene
Concen: 0.75 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: T2155.D
Acq: 24 Sep 2020 3:46 pm

Tgt Ion:164 Resp: 1920

Ion	Ratio	Lower	Upper
164	100		
166	101.6	105.6	145.6#
129	47.4	69.9	109.9#
131	12.0	69.5	109.5#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2156.D
Acq On : 24 Sep 2020 4:08 pm
Operator : F.NAEGLER
Sample : R2008657-008|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 25 17:21:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

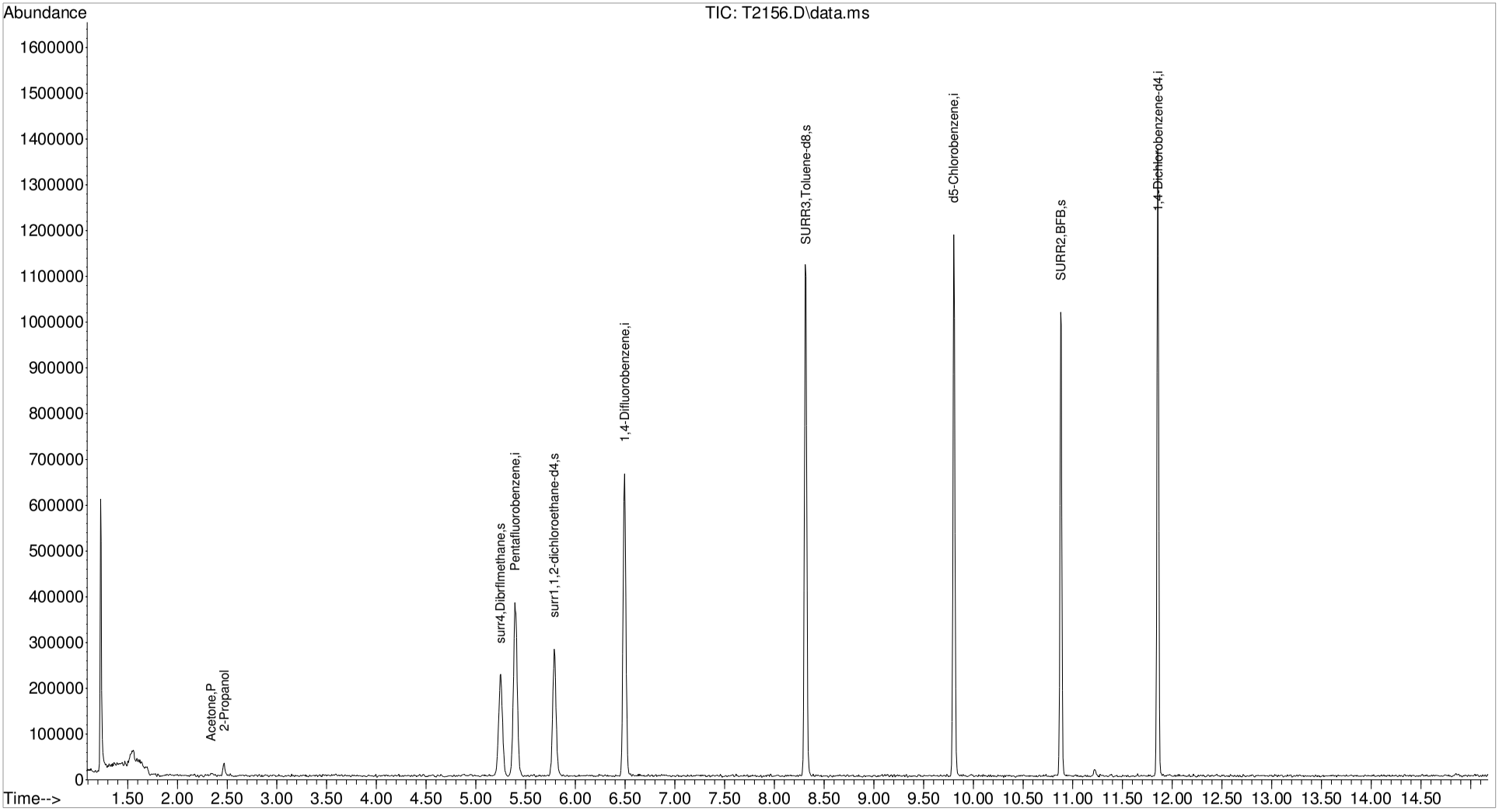
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	353432	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	542477	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	488588	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	241301	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	177136	53.76	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 107.52%			
46) surr1,1,2-dichloroetha...	5.787	65	232661	59.45	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 118.90%			
64) SURR3,Toluene-d8	8.317	98	659134	52.04	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.08%			
69) SURR2,BFB	10.878	95	244210	48.92	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.84%			
Target Compounds						Qvalue
10) Freon 123a	2.117	67	368	Below Cal	#	20
15) Acetone	2.337	43	6236	3.59	ug/L	91
16) 2-Propanol	2.471	45	26682	64.03	ug/L	96
21) Methyl Acetate	2.580	43	180	Below Cal		79
37) Methacrylonitrile	4.806	67	424	Below Cal	#	1
38) Tetrahydrofuran	4.873	42	626	Below Cal	#	51
42) Cyclohexane	5.330	41	343	Below Cal	#	57
60) 2-Nitropropane	7.793	41	510	Below Cal	#	1

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

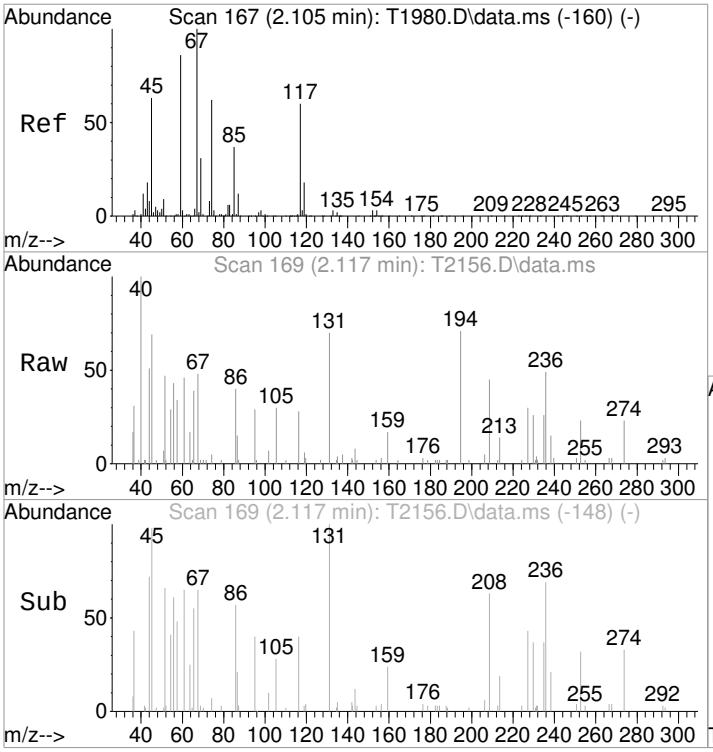
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2156.D
Acq On : 24 Sep 2020 4:08 pm
Operator : F.NAEGLER
Sample : R2008657-008|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 25 17:21:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



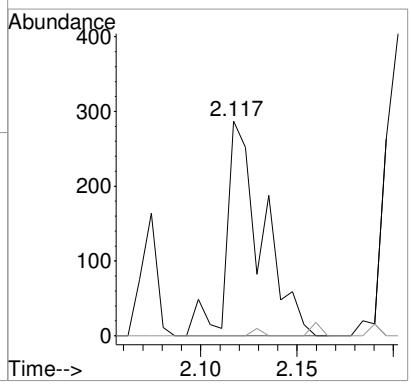
1st 09/25/20
2nd 09/26/20

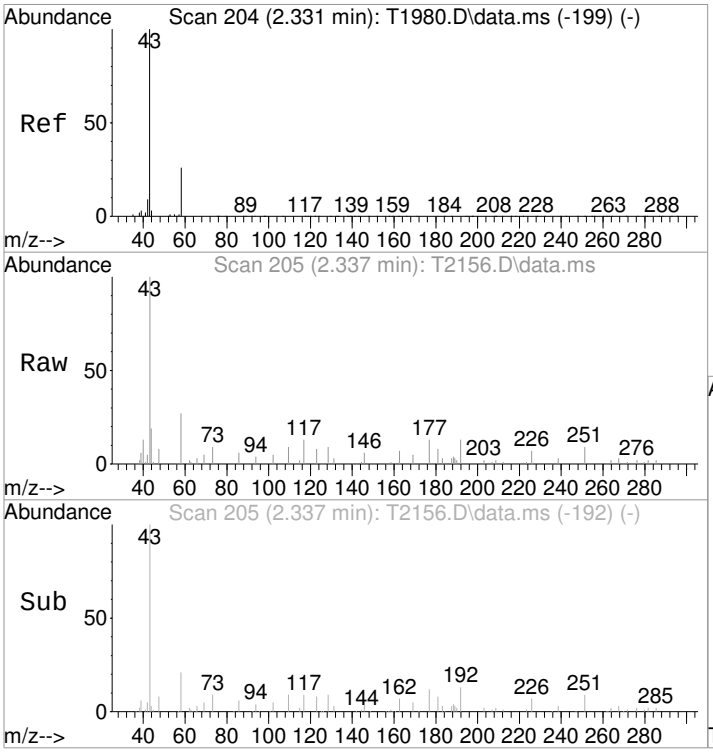


#10
Freon 123a
Concen: Below Cal
RT: 2.117 min Scan# 169
Delta R.T. 0.012 min
Lab File: T2156.D
Acq: 24 Sep 2020 4:08 pm

Tgt Ion: 67 Resp: 368

Ion	Ratio	Lower	Upper
67	100		
117	0.0	40.7	80.7#

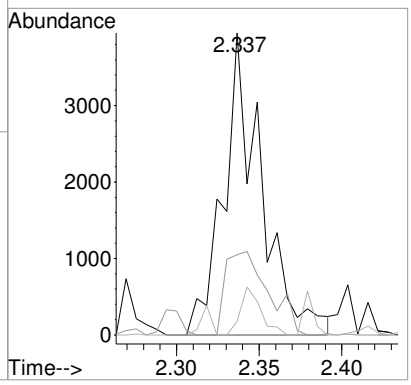


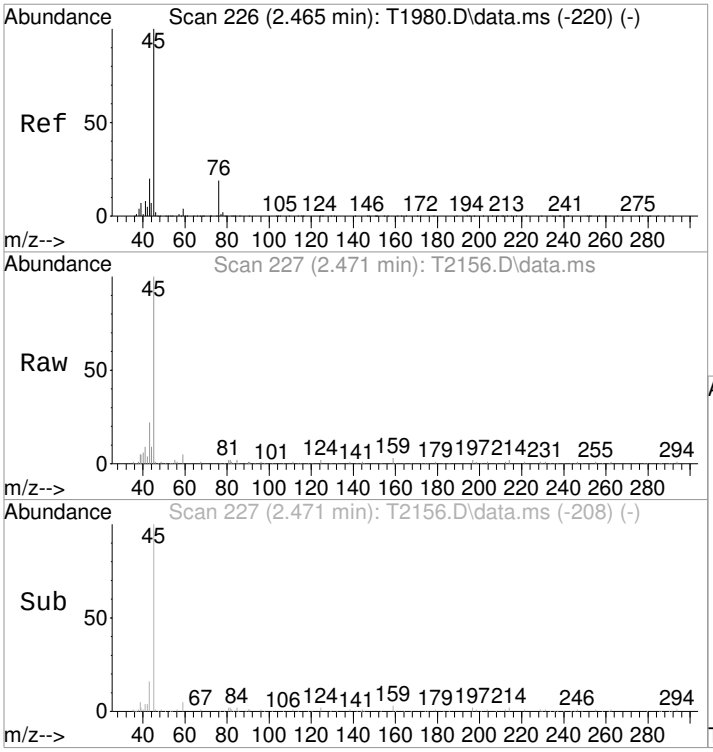


#15
Acetone
Concen: 3.59 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2156.D
Acq: 24 Sep 2020 4:08 pm

Tgt Ion: 43 Resp: 6236

Ion	Ratio	Lower	Upper
43	100		
58	22.4	6.1	46.1
42	3.8	0.0	29.3

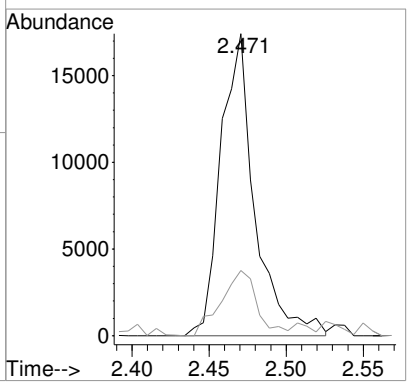


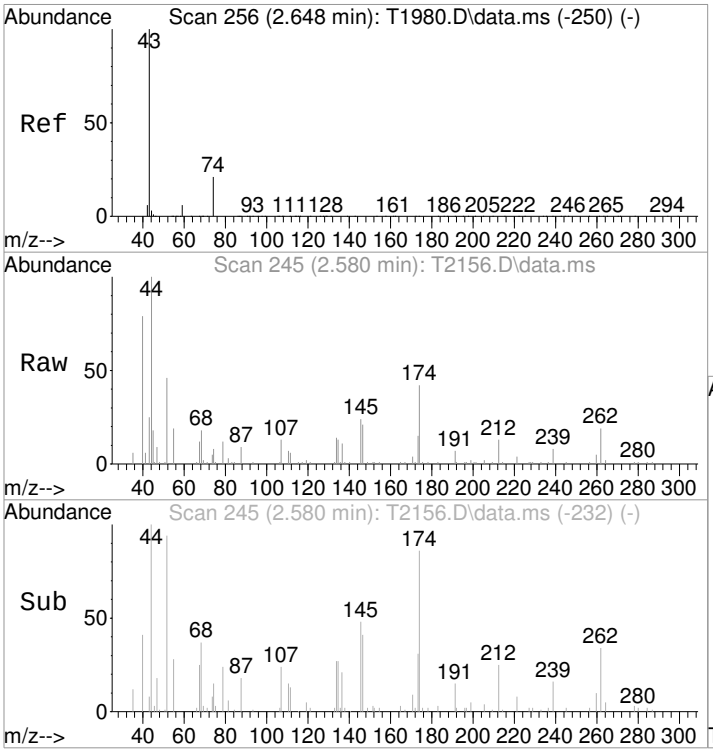


#16
2-Propanol
Concen: 64.03 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.006 min
Lab File: T2156.D
Acq: 24 Sep 2020 4:08 pm

Tgt Ion: 45 Resp: 26682

Ion	Ratio	Lower	Upper
45	100		
43	21.5	0.0	39.8

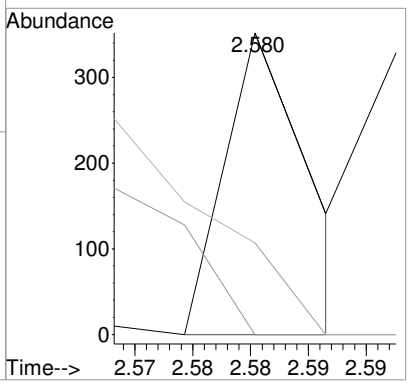


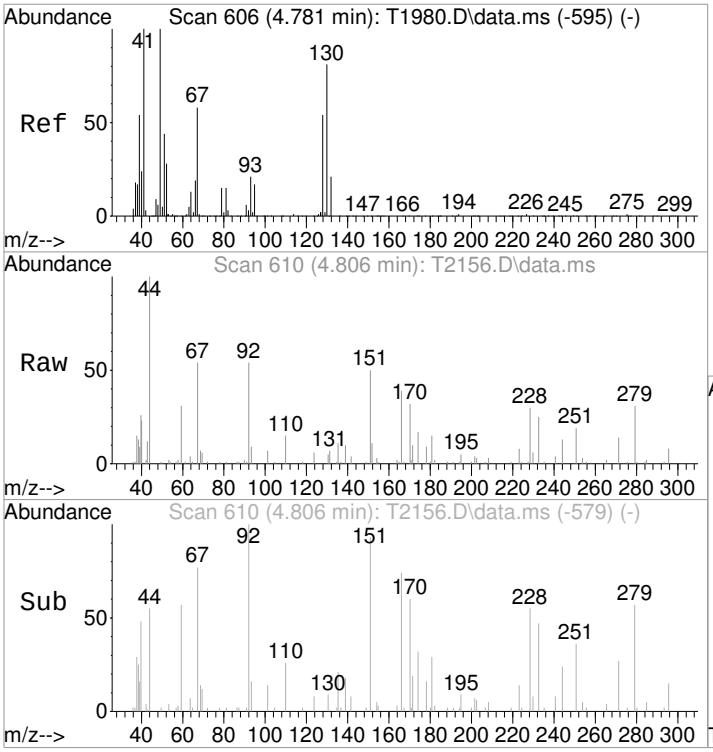


#21
Methyl Acetate
Concen: Below Cal
RT: 2.580 min Scan# 245
Delta R.T. -0.067 min
Lab File: T2156.D
Acq: 24 Sep 2020 4:08 pm

Tgt Ion: 43 Resp: 180

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	30.4	0.6	40.6

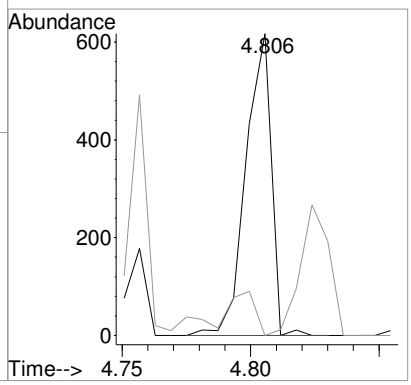


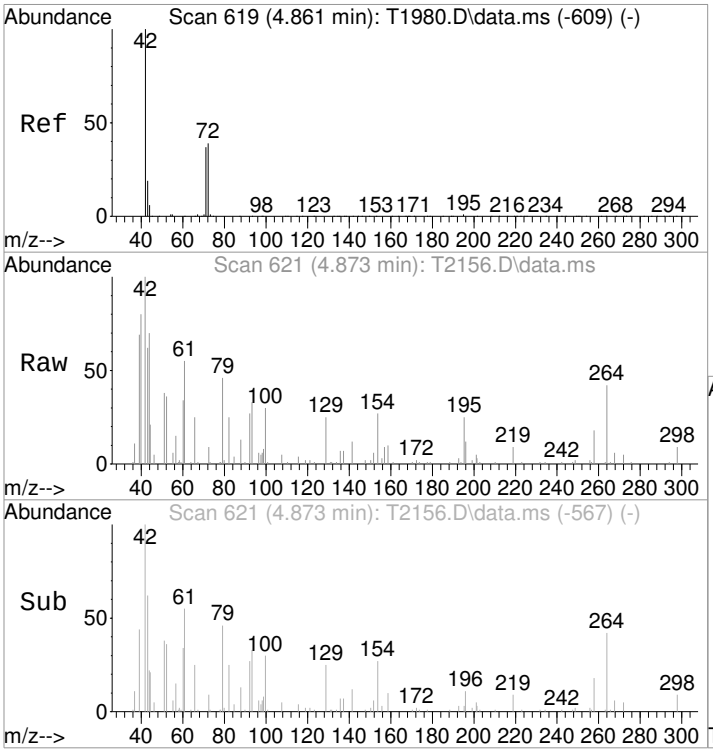


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.806 min Scan# 610
Delta R.T. 0.025 min
Lab File: T2156.D
Acq: 24 Sep 2020 4:08 pm

Tgt Ion: 67 Resp: 424

Ion	Ratio	Lower	Upper
67	100		
41	0.0	154.0	194.0#

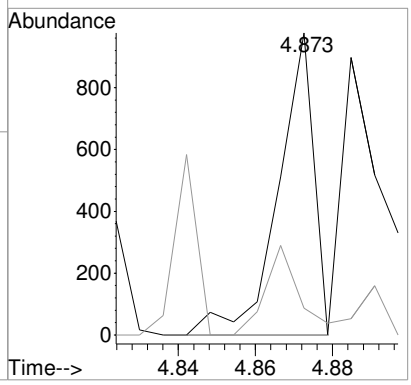


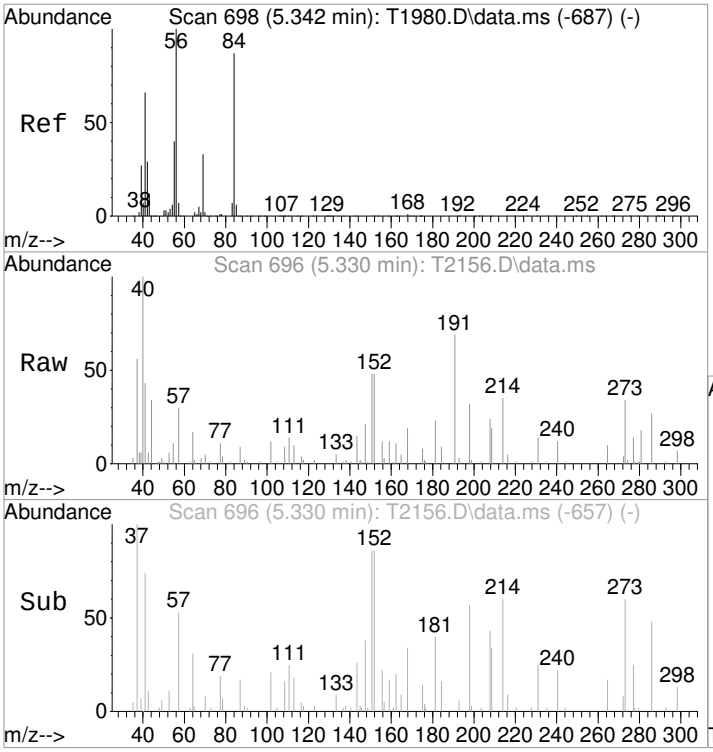


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.873 min Scan# 621
Delta R.T. 0.013 min
Lab File: T2156.D
Acq: 24 Sep 2020 4:08 pm

Tgt Ion: 42 Resp: 626

Ion	Ratio	Lower	Upper
42	100		
72	8.9	18.3	58.3#

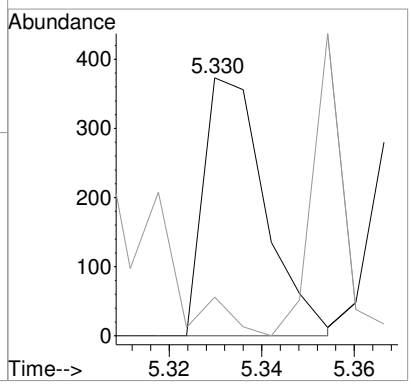


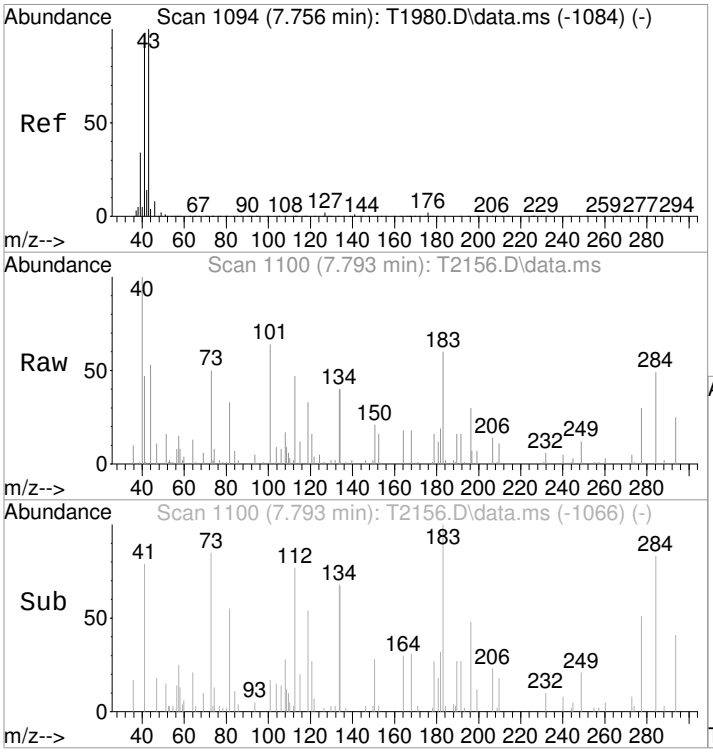


#42
Cyclohexane
Concen: Below Cal
RT: 5.330 min Scan# 696
Delta R.T. -0.012 min
Lab File: T2156.D
Acq: 24 Sep 2020 4:08 pm

Tgt Ion: 41 Resp: 343

Ion	Ratio	Lower	Upper
41	100		
39	15.0	21.9	61.9#

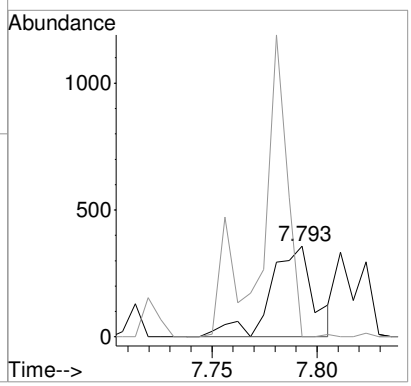




#60
2-Nitropropane
Concen: Below Cal
RT: 7.793 min Scan# 1100
Delta R.T. 0.037 min
Lab File: T2156.D
Acq: 24 Sep 2020 4:08 pm

Tgt Ion: 41 Resp: 510

Ion	Ratio	Lower	Upper
41	100		
43	0.0	84.5	124.5#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 16:57:15 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

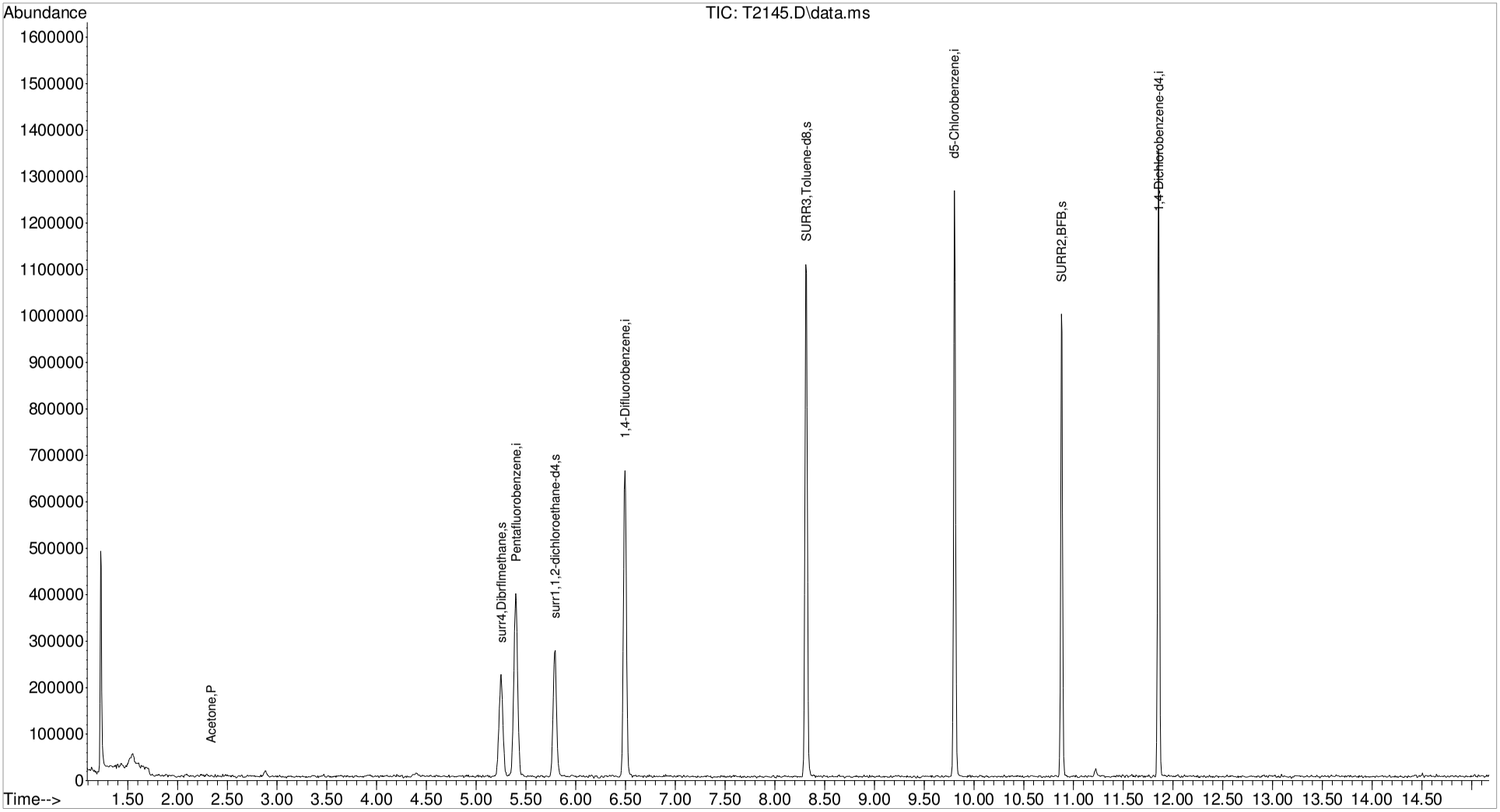
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	370137	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	565066	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	517284	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	249868	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	169801	49.47	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.94%				
46) surr1,1,2-dichloroetha...	5.793	65	220549	54.10	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 108.20%				
64) SURR3,Toluene-d8	8.317	98	664561	50.38	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.76%				
69) SURR2,BFB	10.878	95	237834	45.74	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.48%				
Target Compounds							Qvalue
15) Acetone	2.337	43	2160	1.19	ug/L		89
21) Methyl Acetate	2.568	43	622	Below Cal			64
38) Tetrahydrofuran	4.867	42	321	Below Cal		#	25
60) 2-Nitropropane	7.726	41	327	Below Cal		#	50

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

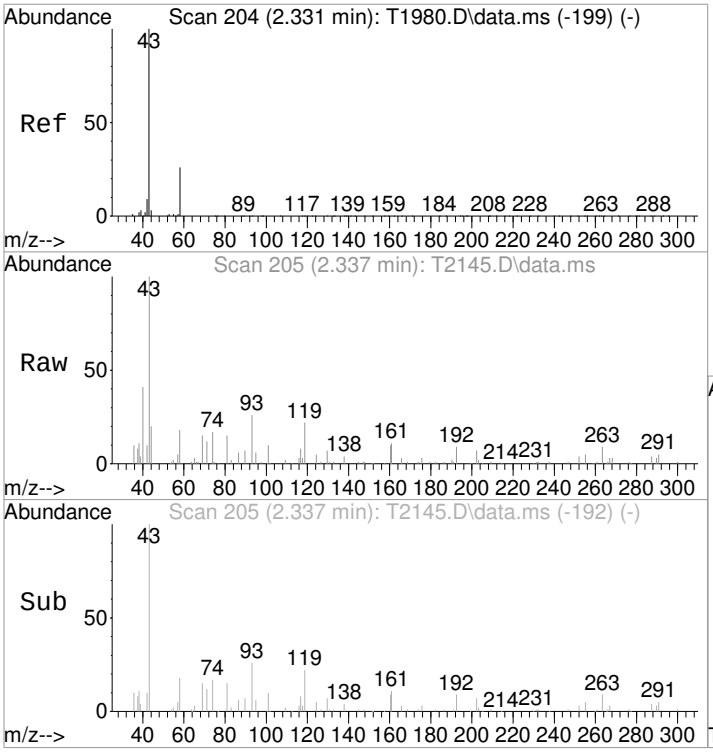
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 25 16:57:15 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



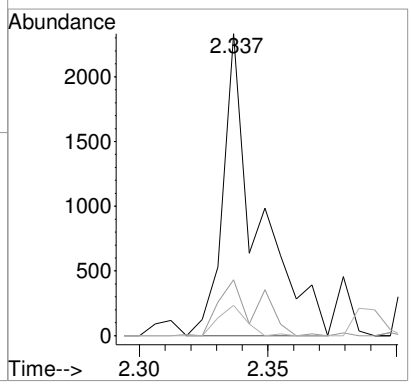
1st FJ 09/25/20
2nd 09/26/20

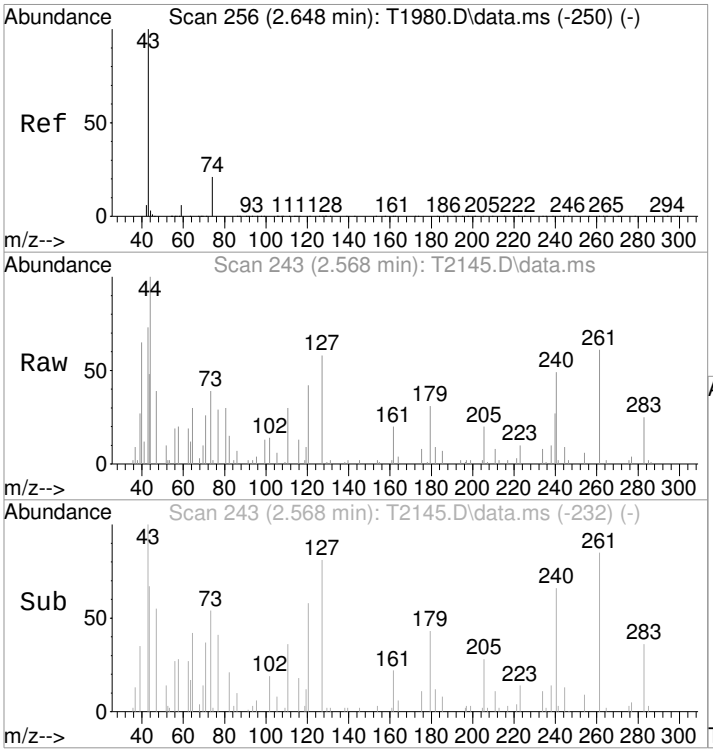


#15
Acetone
Concen: 1.19 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2145.D
Acq: 24 Sep 2020 12:08 pm

Tgt Ion: 43 Resp: 2160

Ion	Ratio	Lower	Upper
43	100		
58	18.9	6.1	46.1
42	10.0	0.0	29.3

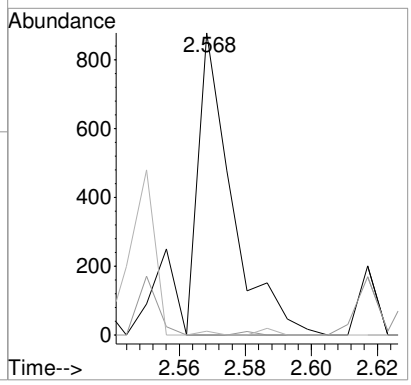


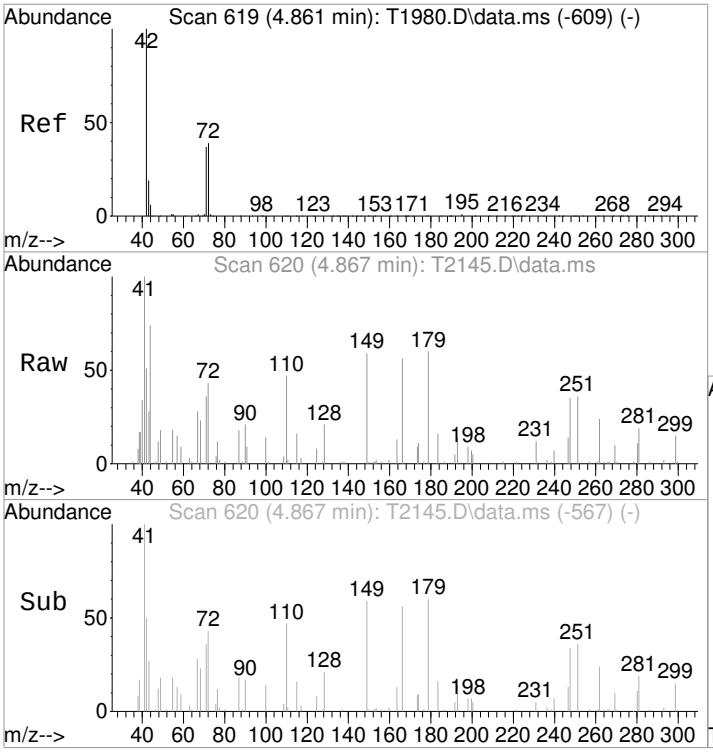


#21
Methyl Acetate
Concen: Below Cal
RT: 2.568 min Scan# 243
Delta R.T. -0.079 min
Lab File: T2145.D
Acq: 24 Sep 2020 12:08 pm

Tgt Ion: 43 Resp: 622

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	1.3	0.6	40.6

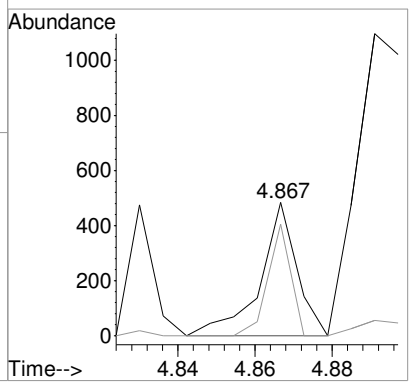


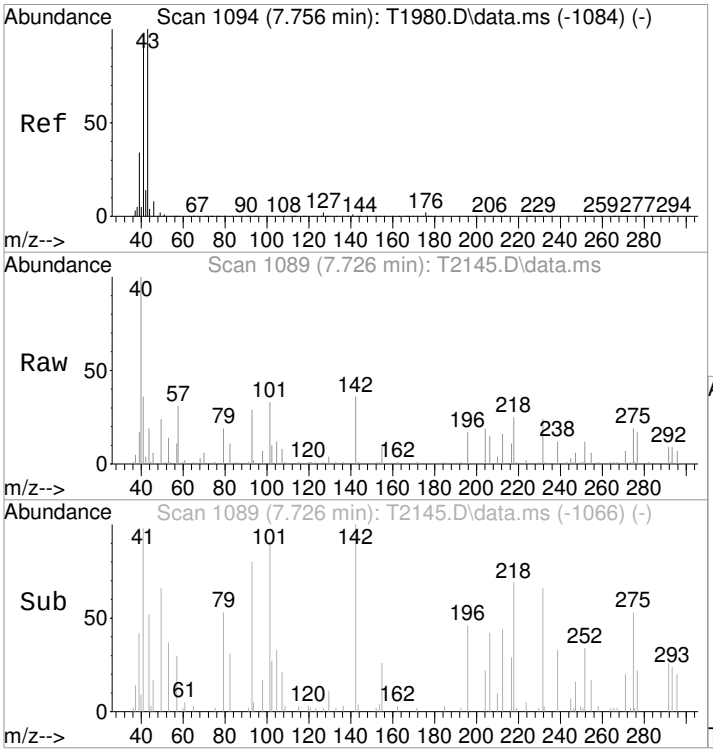


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.867 min Scan# 620
Delta R.T. 0.007 min
Lab File: T2145.D
Acq: 24 Sep 2020 12:08 pm

Tgt Ion: 42 Resp: 321

Ion	Ratio	Lower	Upper
42	100		
72	83.7	18.3	58.3#

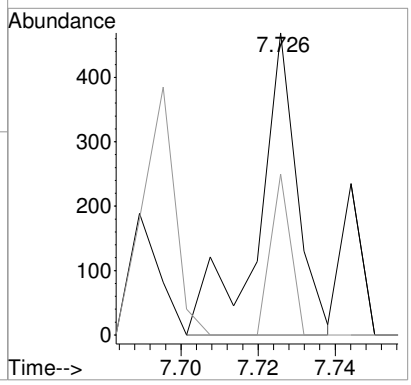




#60
2-Nitropropane
Concen: Below Cal
RT: 7.726 min Scan# 1089
Delta R.T. -0.030 min
Lab File: T2145.D
Acq: 24 Sep 2020 12:08 pm

Tgt Ion: 41 Resp: 327

Ion	Ratio	Lower	Upper
41	100		
43	53.3	84.5	124.5#



LSC Area Percent Report

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
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\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge

Signal : TIC: T2145.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.227	20	23	32	rBV	475937	524361	28.50%	4.851%
2	1.526	66	72	73	rBV6	19312	35602	1.93%	0.329%
3	2.885	288	295	302	rVB4	13864	30657	1.67%	0.284%
4	5.251	671	683	694	rBV2	219761	598647	32.53%	5.539%
5	5.397	696	707	716	rBV2	392233	1043217	56.69%	9.652%
6	5.793	761	772	783	rBV2	273088	667004	36.25%	6.171%
7	6.494	878	887	896	rBV	660112	1362812	74.06%	12.609%
8	8.311	1178	1185	1194	rBV	1102994	1840150	100.00%	17.025%
9	9.805	1423	1430	1444	rVB	1262431	1703292	92.56%	15.759%
10	10.878	1601	1606	1616	rBV	997066	1307332	71.04%	12.095%
11	11.225	1657	1663	1670	rBV8	17724	29017	1.58%	0.268%
12	11.853	1761	1766	1772	rBV	1352548	1666406	90.56%	15.418%

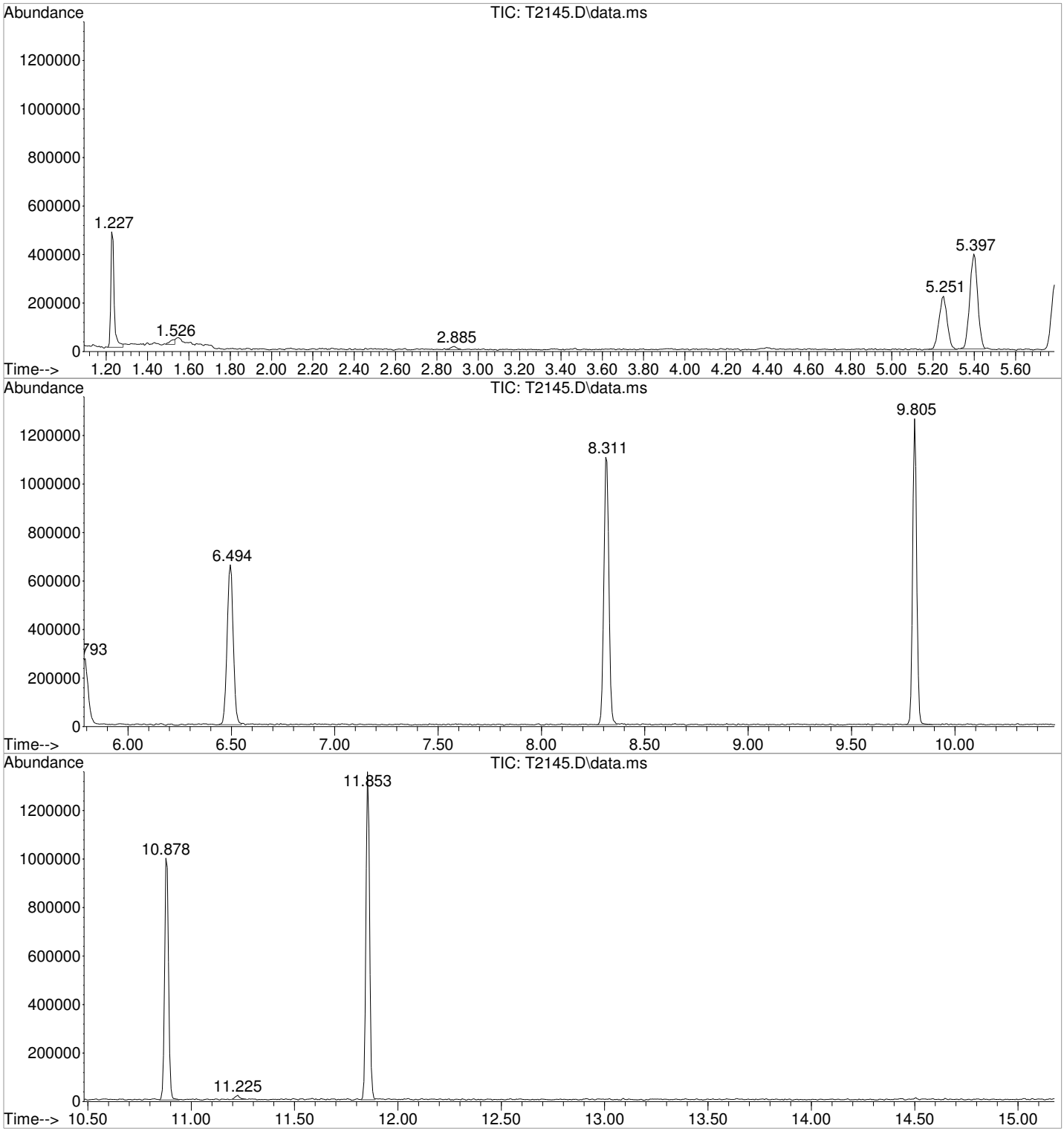
Sum of corrected areas: 10808497

LSC Report - Integrated Chromatogram

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.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\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

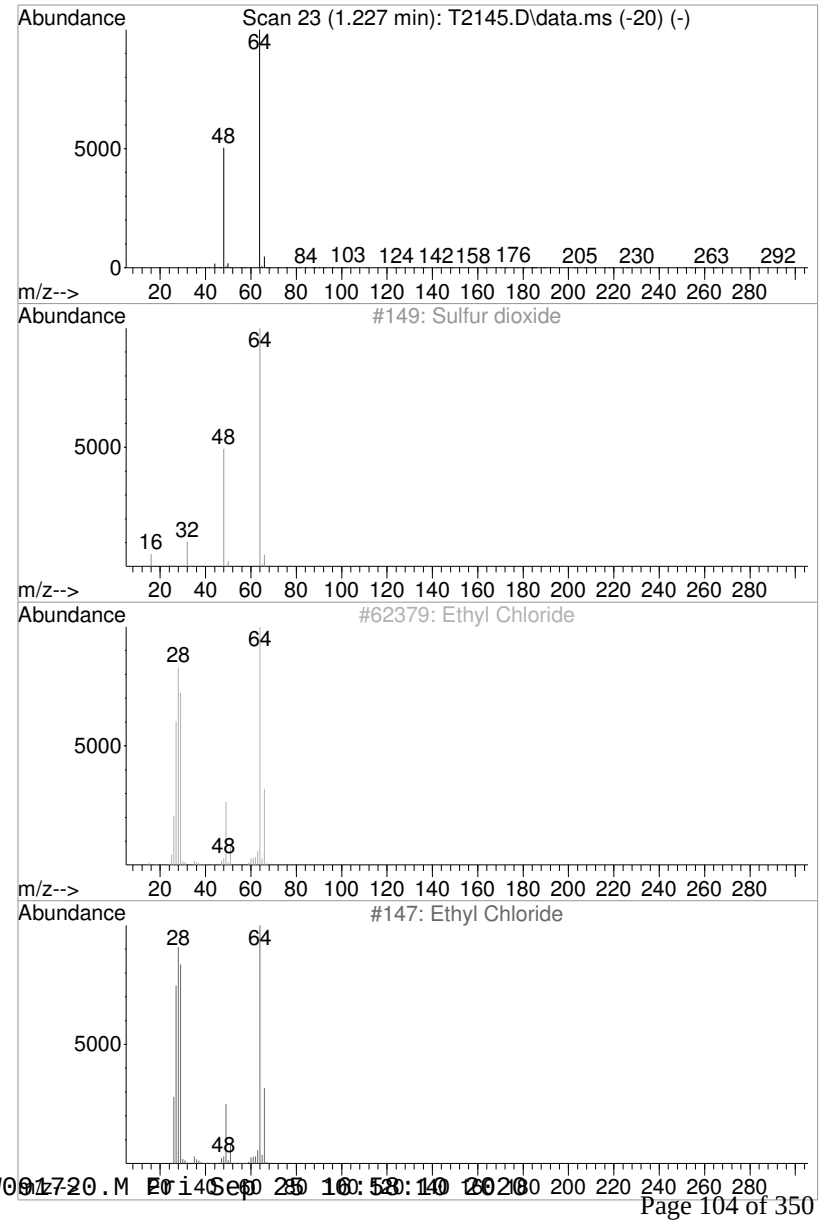
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

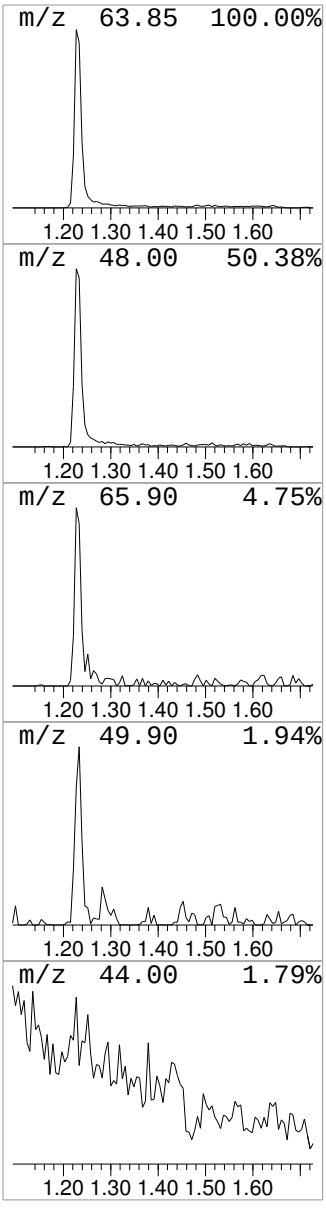
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.227	25.13 ug/L	524361	Pentafluorobenzene	5.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	3
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	3
4	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	3
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	3





Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2145.D
Acq On : 24 Sep 2020 12:08 pm
Operator : F.NAEGLER
Sample : MBLK-FP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.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
Sulfur dioxide	1.227	25.1	ug/L	524361	1	5.397	1043220	50.0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2142.D
Acq On : 24 Sep 2020 10:55 am
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 11:11:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	390229	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	589787	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	538554	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	284912	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.239	113	187047	52.21	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 104.42%				
46) surr1,1,2-dichloroetha...	5.787	65	238915	56.15	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 112.30%				
64) SURR3,Toluene-d8	8.311	98	706731	51.33	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.66%				
69) SURR2,BFB	10.878	95	270037	49.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.52%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	83884	20.81	ug/L		99
3) Chloromethane	1.282	50	120031	21.44	ug/L		92
4) Vinyl Chloride	1.361	62	105018	22.24	ug/L		99
5) Bromomethane	1.587	94	76484	20.29	ug/L		96
6) Chloroethane	1.666	64	54200	18.60	ug/L		90
7) Freon 21	1.818	67	141998	19.04	ug/L		99
8) Trichlorofluoromethane	1.867	101	96441	16.84	ug/L		91
9) Diethyl Ether	2.099	59	70664	18.40	ug/L		89
10) Freon 123a	2.099	67	78774	18.61	ug/L		98
11) Freon 123	2.154	83	93631	17.96	ug/L		99
12) Acrolein	2.203	56	33871	28.59	ug/L		88
13) 1,1-Diclethene	2.294	96	57796	19.95	ug/L		88
14) Freon 113	2.294	101	59982	16.98	ug/L		88
15) Acetone	2.337	43	39871	20.80	ug/L		95
16) 2-Propanol	2.465	45	164478	357.50	ug/L		98
17) Iodomethane	2.422	142	91222	18.77	ug/L		84
18) Carbon Disulfide	2.483	76	200930	18.63	ug/L		99
19) Acetonitrile	2.587	41	89089	104.40	ug/L		90
20) Allyl Chloride	2.623	76	38572	17.86	ug/L	#	88
21) Methyl Acetate	2.648	43	87547	18.06	ug/L		90
22) Methylene Chloride	2.739	84	75453	18.04	ug/L		90
23) TBA	2.867	59	226807	335.41	ug/L		94
24) Acrylonitrile	2.995	53	205720	99.93	ug/L		88
25) Methyl-t-Butyl Ether	3.038	73	250318	20.89	ug/L		95
26) trans-1,2-Dichloroethene	3.032	96	65577	20.08	ug/L	#	84
27) 1,1-Diclethane	3.532	63	131654	19.44	ug/L		98
28) Vinyl Acetate	3.629	86	14906	19.98	ug/L	#	63
29) DIPE	3.666	45	306137	22.60	ug/L		89
30) 2-Chloro-1,3-Butadiene	3.660	53	110256	17.23	ug/L		86
31) ETBE	4.190	59	246202	21.45	ug/L		92
32) 2,2-Dichloropropane	4.373	77	95012	17.35	ug/L		95
33) cis-1,2-Dichloroethene	4.379	96	72845	18.54	ug/L		96
34) 2-Butanone	4.428	43	53196	18.77	ug/L		93
35) Propionitrile	4.501	54	77321	89.18	ug/L		99
36) Bromochloromethane	4.775	130	50047	19.38	ug/L	#	80
37) Methacrylonitrile	4.769	67	36052	16.85	ug/L	#	85
38) Tetrahydrofuran	4.867	42	33705	15.79	ug/L		92
39) Chloroform	4.958	83	123595	18.83	ug/L		91
40) 1,1,1-Trichloroethane	5.263	97	92948	16.80	ug/L		80

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2142.D
Acq On : 24 Sep 2020 10:55 am
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 11:11:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	88471	23.21	ug/L		86
44) Carbontetrachloride	5.531	117	70841	16.47	ug/L		92
45) 1,1-Dichloropropene	5.549	75	84983	18.02	ug/L		95
47) Benzene	5.866	78	274642	19.15	ug/L		96
48) 1,2-Dichloroethane	5.909	62	103373	19.99	ug/L		91
49) Iso-Butyl Alcohol	5.879	43	98197	318.78	ug/L	#	77
50) TAME	6.104	73	220658	20.31	ug/L		94
51) n-Heptane	6.360	43	89766	17.71	ug/L		93
52) 1-Butanol	6.854	56	151487	874.64	ug/L		98
53) Trichloroethene	6.817	130	58299	16.52	ug/L		88
54) Methylcyclohexane	7.061	55	107711	21.47	ug/L	#	81
55) 1,2-Diclpropane	7.104	63	82822	19.94	ug/L		91
56) Dibromomethane	7.244	93	49231	18.09	ug/L	#	67
57) 1,4-Dioxane	7.311	88	24404	327.87	ug/L		97
58) Methyl Methacrylate	7.336	69	57733	17.86	ug/L		87
59) Bromodichloromethane	7.470	83	92650	18.10	ug/L		98
60) 2-Nitropropane	7.756	41	48380	37.36	ug/L		89
62) cis-1,3-Dichloropropene	8.018	75	105697	17.82	ug/L		94
63) 4-Methyl-2-pentanone	8.226	43	101015	18.44	ug/L		88
65) Toluene	8.390	91	280224	18.17	ug/L		94
66) trans-1,3-Dichloropropene	8.659	75	100387	17.78	ug/L		92
67) Ethyl Methacrylate	8.799	69	107199	17.48	ug/L		100
68) 1,1,2-Trichloroethane	8.841	97	67627	18.47	ug/L		95
71) Tetrachloroethene	8.982	164	44277	15.66	ug/L		88
72) 2-Hexanone	9.134	43	75668	19.55	ug/L		93
73) 1,3-Dichloropropane	9.012	76	114478	19.14	ug/L		93
74) Dibromochloromethane	9.238	129	71636	18.40	ug/L		84
75) N-Butyl Acetate	9.293	43	160910	18.86	ug/L		93
76) 1,2-Dibromoethane	9.341	107	64385	16.39	ug/L		85
77) 3-Chlorobenzotrifluoride	9.847	180	98989	19.41	ug/L		97
78) Chlorobenzene	9.835	112	174800	17.91	ug/L		89
79) 4-Chlorobenzotrifluoride	9.902	180	88982	20.47	ug/L		85
80) 1,1,1,2-Tetrachloroethane	9.921	131	61887	17.66	ug/L	#	81
81) Ethylbenzene	9.951	106	86494	17.21	ug/L	#	84
82) (m+p)Xylene	10.067	106	211415	34.78	ug/L		88
83) o-Xylene	10.420	106	112102	17.82	ug/L		99
84) Styrene	10.439	104	184176	17.69	ug/L		95
85) Bromoform	10.585	173	50593	16.63	ug/L		86
86) 2-Chlorobenzotrifluoride	10.664	180	94254	19.21	ug/L		94
87) Isopropylbenzene	10.756	105	255843	16.88	ug/L		99
88) Cyclohexanone	10.817	55	71951	80.70	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.061	53	22005	15.92	ug/L	#	66
91) 1,1,2,2-Tetrachloroethane	11.018	83	109560	21.09	ug/L		99
92) Bromobenzene	11.000	156	75828	17.29	ug/L		89
93) 1,2,3-Trichloropropane	11.048	110	25469	17.75	ug/L	#	79
94) n-Propylbenzene	11.115	91	347077	19.54	ug/L		100
95) 2-Chlorotoluene	11.176	91	197939	17.25	ug/L		93
96) 3-Chlorotoluene	11.225	91	221761	18.77	ug/L		98
97) 4-Chlorotoluene	11.268	91	233214	18.20	ug/L		90
98) 1,3,5-Trimethylbenzene	11.262	105	220819	17.70	ug/L		93
99) tert-Butylbenzene	11.536	119	182458	16.97	ug/L		96
100) 1,2,4-Trimethylbenzene	11.579	105	231180	18.55	ug/L		96
101) 3,4-Dichlorobenzotrifl...	11.634	214	79534	18.82	ug/L		92
102) sec-Butylbenzene	11.719	105	278556	17.83	ug/L		97
103) p-Isopropyltoluene	11.841	119	218944	16.90	ug/L		97
104) 1,3-Dclbenz	11.804	146	145573	18.34	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2142.D
Acq On : 24 Sep 2020 10:55 am
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 11:11:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

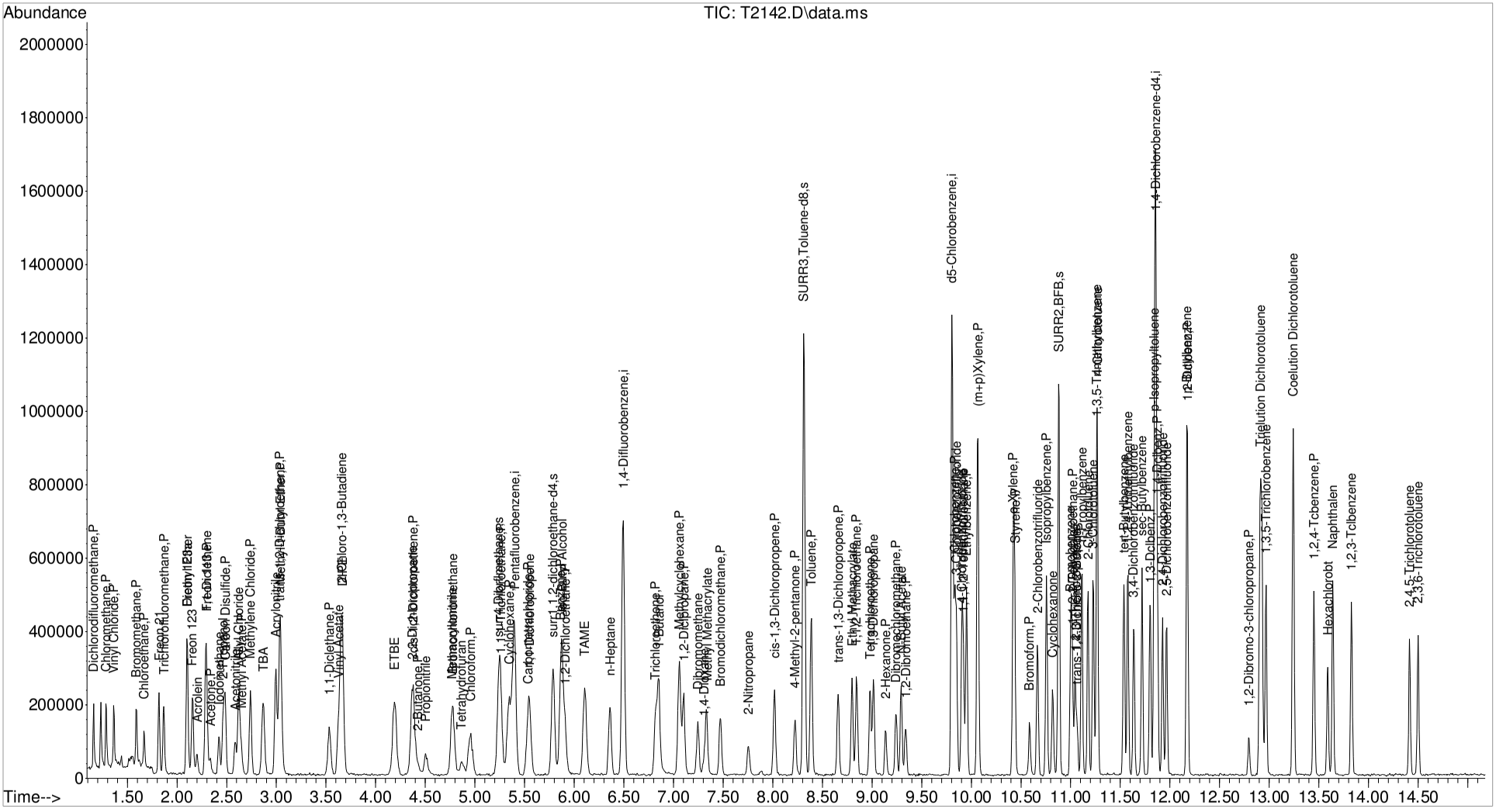
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.871	146	146649	17.45	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	76421	20.93	ug/L	95
107) 2,5-Dichlorobenzotrifl...	11.969	214	77189	18.32	ug/L	99
108) n-Butylbenzene	12.170	91	220407	18.08	ug/L	90
109) 1,2-Dclbenz	12.176	146	149048	18.99	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.792	157	21070	15.86	ug/L	88
111) Trielution Dichlorotol...	12.914	125	386502	60.30	ug/L	94
112) 1,3,5-Trichlorobenzene	12.969	180	116969	20.61	ug/L	90
113) Coelution Dichlorotoluene	13.243	125	279486	39.21	ug/L	93
114) 1,2,4-Tcbenzene	13.450	180	111830	20.04	ug/L	96
115) Hexachlorobt	13.591	225	45642	18.87	ug/L	93
116) Naphthalen	13.639	128	301961	21.77	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	102642	19.50	ug/L	93
118) 2,4,5-Trichlorotoluene	14.414	159	70718	21.43	ug/L	96
119) 2,3,6-Trichlorotoluene	14.499	159	71490	24.56	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2142.D
Acq On : 24 Sep 2020 10:55 am
Operator : F.NAEGLER
Sample : LCS-FP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 11:11:00 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



1st FJ 09/25/20
2nd 09/26/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2166.D
Acq On : 24 Sep 2020 7:46 pm
Operator : F.NAEGLER
Sample : R2008657-002MS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 25 17:41:32 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	379649	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	571184	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	544530	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	322928	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	189007	54.48	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 108.96%				
46) surr1,1,2-dichloroetha...	5.787	65	241132	58.52	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 117.04%				
64) SURR3,Toluene-d8	8.311	98	698289	52.37	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.74%				
69) SURR2,BFB	10.878	95	293637	55.87	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 111.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	224882	57.34	ug/L		97
3) Chloromethane	1.282	50	338653	62.18	ug/L		92
4) Vinyl Chloride	1.361	62	287367	62.56	ug/L		98
5) Bromomethane	1.587	94	180374	49.19	ug/L		94
6) Chloroethane	1.666	64	154933	54.66	ug/L		94
7) Freon 21	1.818	67	285064	39.30	ug/L		99
8) Trichlorofluoromethane	1.861	101	281171	50.48	ug/L		99
9) Diethyl Ether	2.099	59	179329	47.99	ug/L		95
10) Freon 123a	2.105	67	163061	39.76	ug/L		95
11) Freon 123	2.154	83	190455	37.56	ug/L		98
12) Acrolein	2.196	56	59723	51.81	ug/L		92
13) 1,1-Diclethene	2.288	96	162952	57.82	ug/L		94
14) Freon 113	2.294	101	164072	47.74	ug/L		98
15) Acetone	2.331	43	112227	60.18	ug/L		88
16) 2-Propanol	2.465	45	405763	906.53	ug/L		96
17) Iodomethane	2.422	142	284043	55.37	ug/L		94
18) Carbon Disulfide	2.483	76	521575	49.72	ug/L		99
19) Acetonitrile	2.587	41	188196	226.68	ug/L		97
20) Allyl Chloride	2.623	76	101146	48.14	ug/L		95
21) Methyl Acetate	2.641	43	121906	26.42	ug/L		95
22) Methylene Chloride	2.739	84	199913	49.12	ug/L		94
23) TBA	2.867	59	629979	957.61	ug/L		93
24) Acrylonitrile	2.995	53	515888	257.59	ug/L		94
25) Methyl-t-Butyl Ether	3.044	73	606601	52.04	ug/L		98
26) trans-1,2-Dichloroethene	3.038	96	179678	56.55	ug/L		93
27) 1,1-Diclethane	3.532	63	369373	56.07	ug/L		98
28) Vinyl Acetate	3.629	86	20357	28.05	ug/L	#	38
29) DIPE	3.660	45	742864	56.37	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.660	53	303419	48.73	ug/L		95
31) ETBE	4.184	59	584539	52.36	ug/L		94
32) 2,2-Dichloropropane	4.367	77	129797	24.36	ug/L		93
33) cis-1,2-Dichloroethene	4.379	96	201339	52.66	ug/L		98
34) 2-Butanone	4.422	43	138520	50.25	ug/L		95
35) Propionitrile	4.507	54	205193	243.26	ug/L		94
36) Bromochloromethane	4.775	130	124529	49.57	ug/L	#	73
37) Methacrylonitrile	4.781	67	104154	52.10	ug/L	#	77
38) Tetrahydrofuran	4.861	42	89317	46.13	ug/L		89
39) Chloroform	4.952	83	326851	51.19	ug/L		95
40) 1,1,1-Trichloroethane	5.257	97	282083	52.41	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2166.D
Acq On : 24 Sep 2020 7:46 pm
Operator : F.NAEGLER
Sample : R2008657-002MS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 25 17:41:32 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.336	41	175321	48.37	ug/L		82
44) Carbontetrachloride	5.543	117	222011	53.29	ug/L		98
45) 1,1-Dichloropropene	5.549	75	245376	53.72	ug/L		93
47) Benzene	5.866	78	768499	55.32	ug/L		95
48) 1,2-Dichloroethane	5.909	62	270520	54.02	ug/L		98
49) Iso-Butyl Alcohol	5.885	43	289235	969.53	ug/L		86
50) TAME	6.110	73	541811	51.48	ug/L		99
51) n-Heptane	6.360	43	159496	32.49	ug/L		93
52) 1-Butanol	6.854	56	418209	2493.27	ug/L		99
53) Trichloroethene	6.817	130	169758	49.67	ug/L	#	81
54) Methylcyclohexane	7.055	55	216290	44.52	ug/L		84
55) 1,2-Diclpropane	7.104	63	216563	53.84	ug/L		98
56) Dibromomethane	7.244	93	125835	47.75	ug/L		92
57) 1,4-Dioxane	7.299	88	66710	925.46	ug/L		90
58) Methyl Methacrylate	7.330	69	166636	54.00	ug/L		95
59) Bromodichloromethane	7.476	83	241554	48.73	ug/L		93
60) 2-Nitropropane	7.756	41	137934	111.56	ug/L		95
62) cis-1,3-Dichloropropene	8.018	75	246057	42.83	ug/L		96
63) 4-Methyl-2-pentanone	8.226	43	286937	54.08	ug/L		93
65) Toluene	8.390	91	814553	54.54	ug/L		99
66) trans-1,3-Dichloropropene	8.659	75	230386	42.13	ug/L		99
67) Ethyl Methacrylate	8.799	69	286399	48.23	ug/L		97
68) 1,1,2-Trichloroethane	8.841	97	177731	50.11	ug/L		95
71) Tetrachloroethene	8.982	164	151533	53.02	ug/L		93
72) 2-Hexanone	9.134	43	199188	50.90	ug/L		99
73) 1,3-Dichloropropane	9.018	76	305576	50.54	ug/L		94
74) Dibromochloromethane	9.238	129	192769	48.98	ug/L		95
75) N-Butyl Acetate	9.293	43	215356	24.97	ug/L		95
76) 1,2-Dibromoethane	9.335	107	189057	47.59	ug/L		94
77) 3-Chlorobenzotrifluoride	9.853	180	237303	46.02	ug/L		98
78) Chlorobenzene	9.835	112	493185	49.96	ug/L		95
79) 4-Chlorobenzotrifluoride	9.908	180	209495	47.66	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.921	131	174290	49.19	ug/L		94
81) Ethylbenzene	9.951	106	268299	52.79	ug/L		92
82) (m+p)Xylene	10.067	106	655261	106.60	ug/L		91
83) o-Xylene	10.420	106	331506	52.11	ug/L		89
84) Styrene	10.439	104	549786	52.22	ug/L		97
85) Bromoform	10.591	173	136744	44.46	ug/L		89
86) 2-Chlorobenzotrifluoride	10.664	180	262096	52.83	ug/L		96
87) Isopropylbenzene	10.756	105	863188	56.33	ug/L		97
88) Cyclohexanone	10.817	55	217274	241.01	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.067	53	46576	33.32	ug/L		84
91) 1,1,2,2-Tetrachloroethane	11.018	83	322313	54.75	ug/L		89
92) Bromobenzene	11.006	156	222516	44.77	ug/L	#	85
93) 1,2,3-Trichloropropane	11.042	110	77666	47.75	ug/L	#	87
94) n-Propylbenzene	11.115	91	1084110	53.85	ug/L		96
95) 2-Chlorotoluene	11.176	91	653478	50.24	ug/L		99
96) 3-Chlorotoluene	11.225	91	663128	49.52	ug/L		91
97) 4-Chlorotoluene	11.268	91	749654	51.62	ug/L		99
98) 1,3,5-Trimethylbenzene	11.268	105	745723	52.72	ug/L		99
99) tert-Butylbenzene	11.536	119	644626	52.90	ug/L		97
100) 1,2,4-Trimethylbenzene	11.579	105	766636	54.26	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.640	214	196775	41.07	ug/L		95
102) sec-Butylbenzene	11.719	105	941642	53.18	ug/L		98
103) p-Isopropyltoluene	11.841	119	755927	51.48	ug/L		95
104) 1,3-Dclbenz	11.798	146	438241	48.70	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2166.D
Acq On : 24 Sep 2020 7:46 pm
Operator : F.NAEGLER
Sample : R2008657-002MS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 25 17:41:32 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

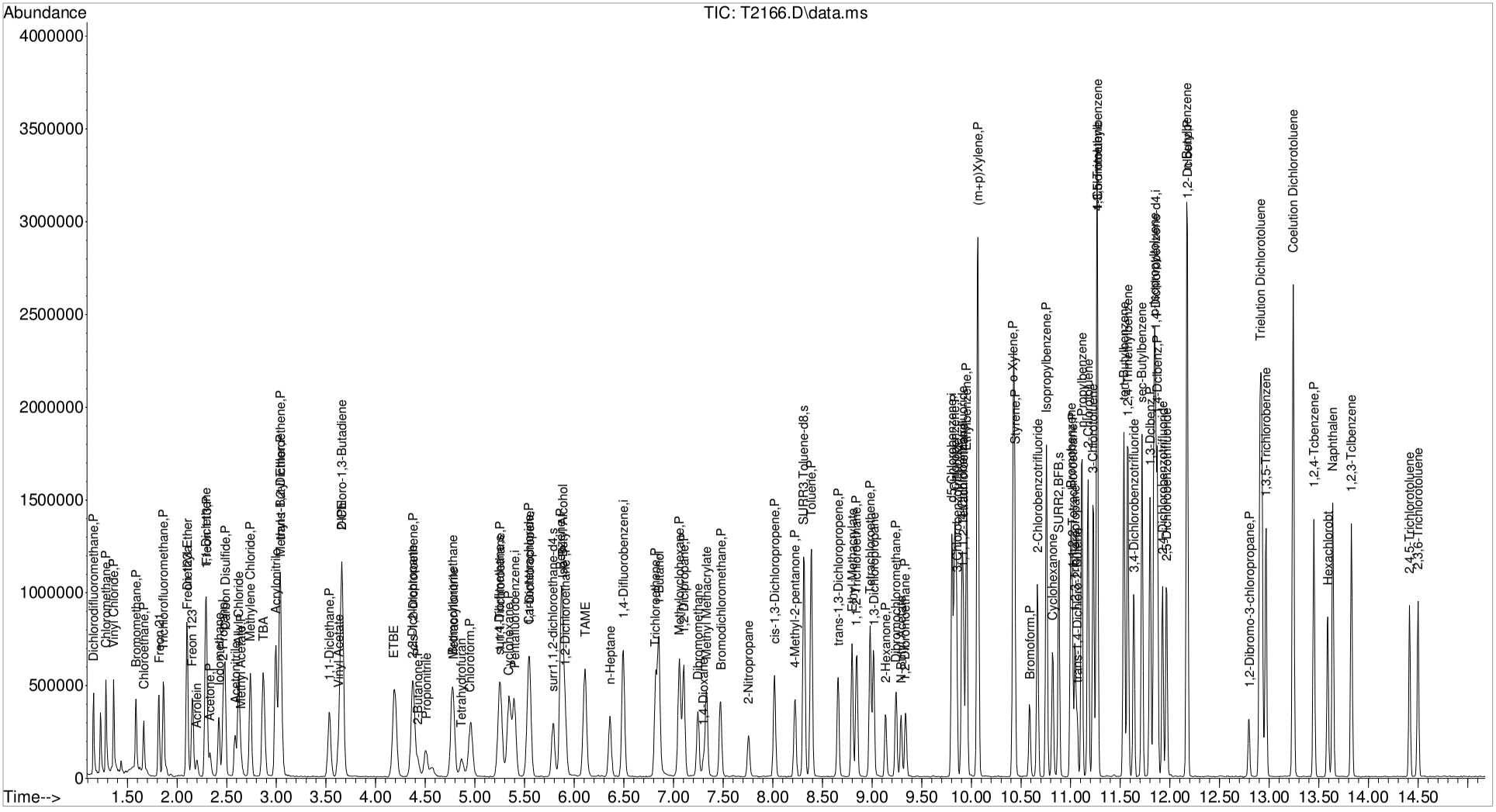
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.871	146	458403	48.12	ug/L	93
106) 2,4-Dichlorobenzotrifl...	11.926	214	187656	45.35	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	219498	45.96	ug/L	98
108) n-Butylbenzene	12.170	91	732668	53.02	ug/L	97
109) 1,2-Dclbenz	12.176	146	440149	49.48	ug/L	94
110) 1,2-Dibromo-3-chloropr...	12.798	157	61392	40.76	ug/L	90
111) Trielution Dichlorotol...	12.914	125	1045460	143.91	ug/L	92
112) 1,3,5-Trichlorobenzene	12.969	180	310703	48.31	ug/L	97
113) Coelution Dichlorotoluene	13.243	125	775671	96.01	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	304072	48.09	ug/L	91
115) Hexachlorobt	13.591	225	125217	45.66	ug/L	97
116) Naphthalen	13.639	128	823272	52.37	ug/L	96
117) 1,2,3-Tclbenzene	13.828	180	295402	49.50	ug/L	96
118) 2,4,5-Trichlorotoluene	14.414	159	163933	42.48	ug/L	92
119) 2,3,6-Trichlorotoluene	14.499	159	160883	48.75	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2166.D
Acq On : 24 Sep 2020 7:46 pm
Operator : F.NAEGLER
Sample : R2008657-002MS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 25 17:41:32 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



1st 09/25/20
2nd 09/26/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2167.D
Acq On : 24 Sep 2020 8:08 pm
Operator : F.NAEGLER
Sample : R2008657-002DMS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 25 06:06:23 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	376887	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	582108	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	530021	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	324466	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	181137	51.23	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.46%				
46) surr1,1,2-dichloroetha...	5.787	65	234392	55.81	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 111.62%				
64) SURR3,Toluene-d8	8.317	98	727858	53.56	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 107.12%				
69) SURR2,BFB	10.878	95	290528	54.24	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 108.48%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	244190	62.72	ug/L		97
3) Chloromethane	1.282	50	332356	61.47	ug/L		97
4) Vinyl Chloride	1.361	62	291161	63.86	ug/L		98
5) Bromomethane	1.587	94	176026	48.35	ug/L		96
6) Chloroethane	1.666	64	148162	52.66	ug/L		94
7) Freon 21	1.818	67	296402	41.16	ug/L		93
8) Trichlorofluoromethane	1.867	101	288656	52.20	ug/L		97
9) Diethyl Ether	2.099	59	184757	49.81	ug/L		89
10) Freon 123a	2.105	67	175649	43.13	ug/L		90
11) Freon 123	2.154	83	206554	41.03	ug/L		99
12) Acrolein	2.202	56	62394	54.53	ug/L		84
13) 1,1-Diclethene	2.288	96	170895	61.09	ug/L		97
14) Freon 113	2.294	101	156067	45.74	ug/L		94
15) Acetone	2.330	43	118043	63.77	ug/L		90
16) 2-Propanol	2.465	45	417241	939.01	ug/L		97
17) Iodomethane	2.422	142	289429	56.73	ug/L		98
18) Carbon Disulfide	2.483	76	537251	51.59	ug/L		98
19) Acetonitrile	2.586	41	208458	252.92	ug/L		92
20) Allyl Chloride	2.623	76	103825	49.78	ug/L		95
21) Methyl Acetate	2.647	43	125140	27.37	ug/L		99
22) Methylene Chloride	2.739	84	205016	50.74	ug/L		97
23) TBA	2.867	59	671340	1027.96	ug/L		98
24) Acrylonitrile	2.995	53	555766	279.54	ug/L		96
25) Methyl-t-Butyl Ether	3.044	73	640822	55.38	ug/L		99
26) trans-1,2-Dichloroethene	3.038	96	187241	59.36	ug/L		97
27) 1,1-Diclethane	3.537	63	375213	57.37	ug/L		91
28) Vinyl Acetate	3.629	86	20416	28.33	ug/L	#	37
29) DIPE	3.666	45	770686	58.91	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.659	53	319654	51.71	ug/L		87
31) ETBE	4.196	59	600832	54.21	ug/L		95
32) 2,2-Dichloropropane	4.367	77	126031	23.83	ug/L		96
33) cis-1,2-Dichloroethene	4.385	96	202815	53.44	ug/L		87
34) 2-Butanone	4.428	43	149984	54.81	ug/L		92
35) Propionitrile	4.507	54	221991	265.10	ug/L		100
36) Bromochloromethane	4.775	130	133930	53.71	ug/L		87
37) Methacrylonitrile	4.787	67	110688	55.91	ug/L	#	63
38) Tetrahydrofuran	4.866	42	87947	45.73	ug/L		93
39) Chloroform	4.958	83	341946	53.95	ug/L		95
40) 1,1,1-Trichloroethane	5.263	97	277394	51.91	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2167.D
Acq On : 24 Sep 2020 8:08 pm
Operator : F.NAEGLER
Sample : R2008657-002DMS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 25 06:06:23 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	186991	50.69	ug/L		90
44) Carbontetrachloride	5.537	117	230133	54.21	ug/L		92
45) 1,1-Dichloropropene	5.549	75	253836	54.53	ug/L		94
47) Benzene	5.866	78	784957	55.45	ug/L		98
48) 1,2-Dichloroethane	5.909	62	275591	53.99	ug/L		94
49) Iso-Butyl Alcohol	5.878	43	310031	1019.74	ug/L		87
50) TAME	6.110	73	568663	53.02	ug/L		97
51) n-Heptane	6.366	43	164633	32.91	ug/L		92
52) 1-Butanol	6.848	56	451834	2643.18	ug/L		98
53) Trichloroethene	6.817	130	180516	51.83	ug/L		95
54) Methylcyclohexane	7.061	55	217648	43.96	ug/L		89
55) 1,2-Diclpropane	7.098	63	221106	53.93	ug/L		89
56) Dibromomethane	7.250	93	132100	49.18	ug/L		96
57) 1,4-Dioxane	7.305	88	72963	993.21	ug/L		95
58) Methyl Methacrylate	7.329	69	164077	52.16	ug/L		88
59) Bromodichloromethane	7.470	83	246850	48.87	ug/L		96
60) 2-Nitropropane	7.756	41	139692	110.88	ug/L		85
62) cis-1,3-Dichloropropene	8.018	75	262308	44.80	ug/L		97
63) 4-Methyl-2-pentanone	8.226	43	294731	54.50	ug/L		93
65) Toluene	8.390	91	810534	53.25	ug/L		97
66) trans-1,3-Dichloropropene	8.658	75	241090	43.26	ug/L		97
67) Ethyl Methacrylate	8.799	69	294059	48.59	ug/L		93
68) 1,1,2-Trichloroethane	8.841	97	186175	51.50	ug/L		92
71) Tetrachloroethene	8.982	164	146936	52.82	ug/L		95
72) 2-Hexanone	9.140	43	208442	54.72	ug/L		89
73) 1,3-Dichloropropane	9.018	76	306118	52.01	ug/L		97
74) Dibromochloromethane	9.244	129	195010	50.90	ug/L		95
75) N-Butyl Acetate	9.292	43	223756	26.65	ug/L		98
76) 1,2-Dibromoethane	9.341	107	186176	48.15	ug/L		99
77) 3-Chlorobenzotrifluoride	9.853	180	244669	48.75	ug/L		97
78) Chlorobenzene	9.835	112	495410	51.56	ug/L		92
79) 4-Chlorobenzotrifluoride	9.908	180	219953	51.41	ug/L		92
80) 1,1,1,2-Tetrachloroethane	9.920	131	169254	49.08	ug/L		94
81) Ethylbenzene	9.951	106	274006	55.38	ug/L	#	91
82) (m+p)Xylene	10.067	106	681345	113.88	ug/L		96
83) o-Xylene	10.420	106	346176	55.90	ug/L		97
84) Styrene	10.439	104	555903	54.25	ug/L		98
85) Bromoform	10.585	173	138940	46.41	ug/L		100
86) 2-Chlorobenzotrifluoride	10.664	180	265661	55.01	ug/L		94
87) Isopropylbenzene	10.756	105	868652	58.24	ug/L		98
88) Cyclohexanone	10.817	55	248231	282.89	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.067	53	48704	35.79	ug/L	#	79
91) 1,1,2,2-Tetrachloroethane	11.018	83	316200	53.45	ug/L		99
92) Bromobenzene	10.999	156	226923	45.44	ug/L	#	81
93) 1,2,3-Trichloropropane	11.042	110	77049	47.14	ug/L		89
94) n-Propylbenzene	11.115	91	1088086	53.79	ug/L		96
95) 2-Chlorotoluene	11.176	91	656403	50.22	ug/L		96
96) 3-Chlorotoluene	11.231	91	687426	51.09	ug/L		97
97) 4-Chlorotoluene	11.268	91	768698	52.68	ug/L		96
98) 1,3,5-Trimethylbenzene	11.268	105	755078	53.13	ug/L		100
99) tert-Butylbenzene	11.536	119	637212	52.04	ug/L		98
100) 1,2,4-Trimethylbenzene	11.573	105	763595	53.79	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	213019	44.25	ug/L		92
102) sec-Butylbenzene	11.719	105	978911	55.02	ug/L		100
103) p-Isopropyltoluene	11.841	119	773250	52.41	ug/L		99
104) 1,3-Dclbenz	11.798	146	460692	50.95	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2167.D
Acq On : 24 Sep 2020 8:08 pm
Operator : F.NAEGLER
Sample : R2008657-002DMS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 25 06:06:23 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

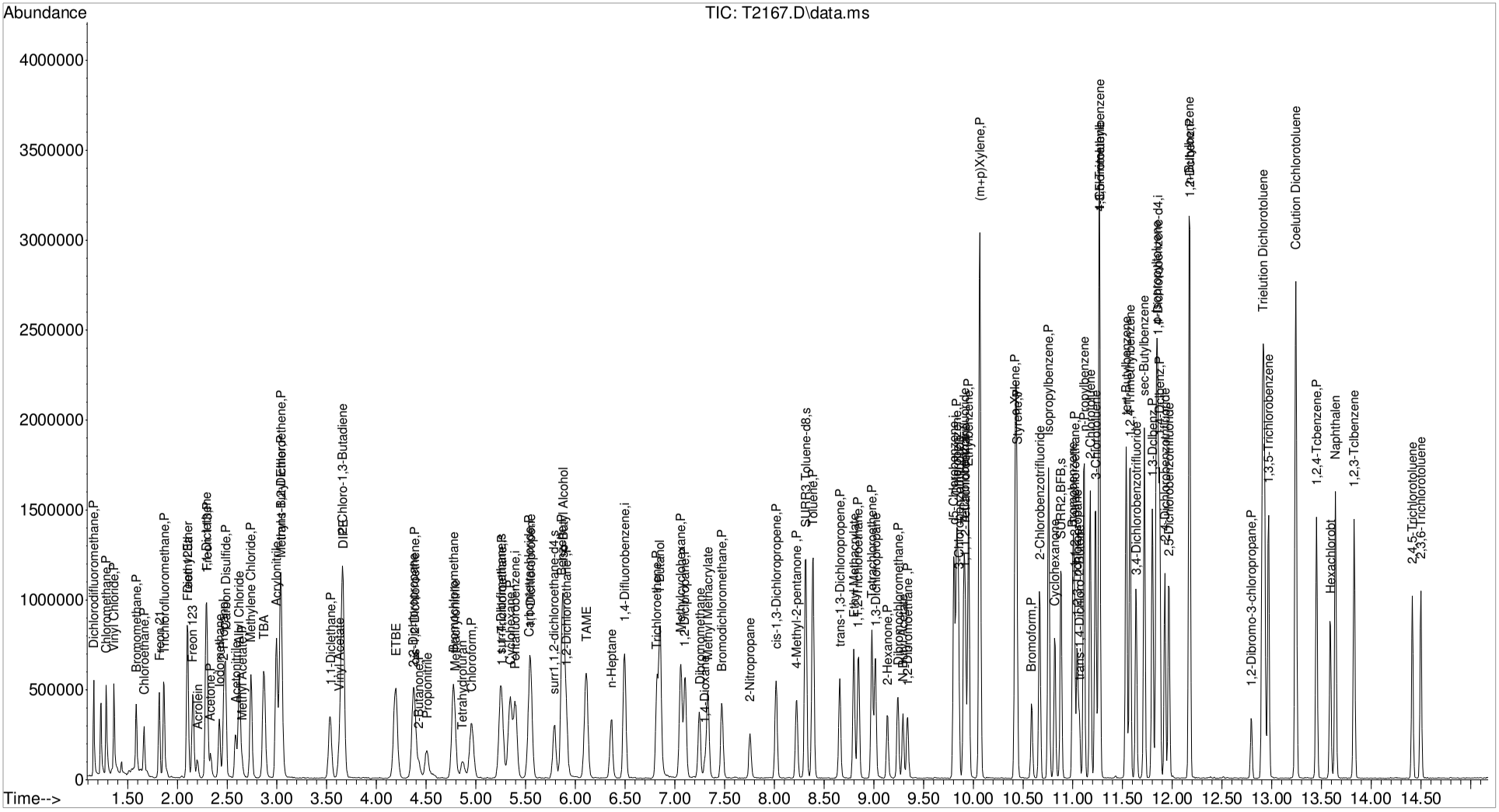
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,4-Dclbenz	11.871	146	472395	49.35	ug/L		97
106) 2,4-Dichlorobenzotrifl...	11.926	214	202104	48.61	ug/L		96
107) 2,5-Dichlorobenzotrifl...	11.969	214	225493	47.00	ug/L		94
108) n-Butylbenzene	12.170	91	729773	52.56	ug/L		97
109) 1,2-Dclbenz	12.176	146	460393	51.51	ug/L		96
110) 1,2-Dibromo-3-chloropr...	12.792	157	62392	41.23	ug/L	#	74
111) Trielution Dichlorotol...	12.914	125	1123660	153.94	ug/L		94
112) 1,3,5-Trichlorobenzene	12.969	180	327714	50.71	ug/L		96
113) Coelution Dichlorotoluene	13.243	125	826018	101.75	ug/L		96
114) 1,2,4-Tcbenzene	13.450	180	320516	50.45	ug/L		94
115) Hexachlorobt	13.590	225	124521	45.19	ug/L		91
116) Naphthalen	13.639	128	861407	54.54	ug/L		99
117) 1,2,3-Tclbenzene	13.828	180	314579	52.47	ug/L		94
118) 2,4,5-Trichlorotoluene	14.413	159	188209	48.19	ug/L		88
119) 2,3,6-Trichlorotoluene	14.499	159	179325	54.09	ug/L		93

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2167.D
Acq On : 24 Sep 2020 8:08 pm
Operator : F.NAEGLER
Sample : R2008657-002DMS|1.0 Inst : MSVOA10
Misc : VERINA 6646 T4
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 25 06:06:23 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

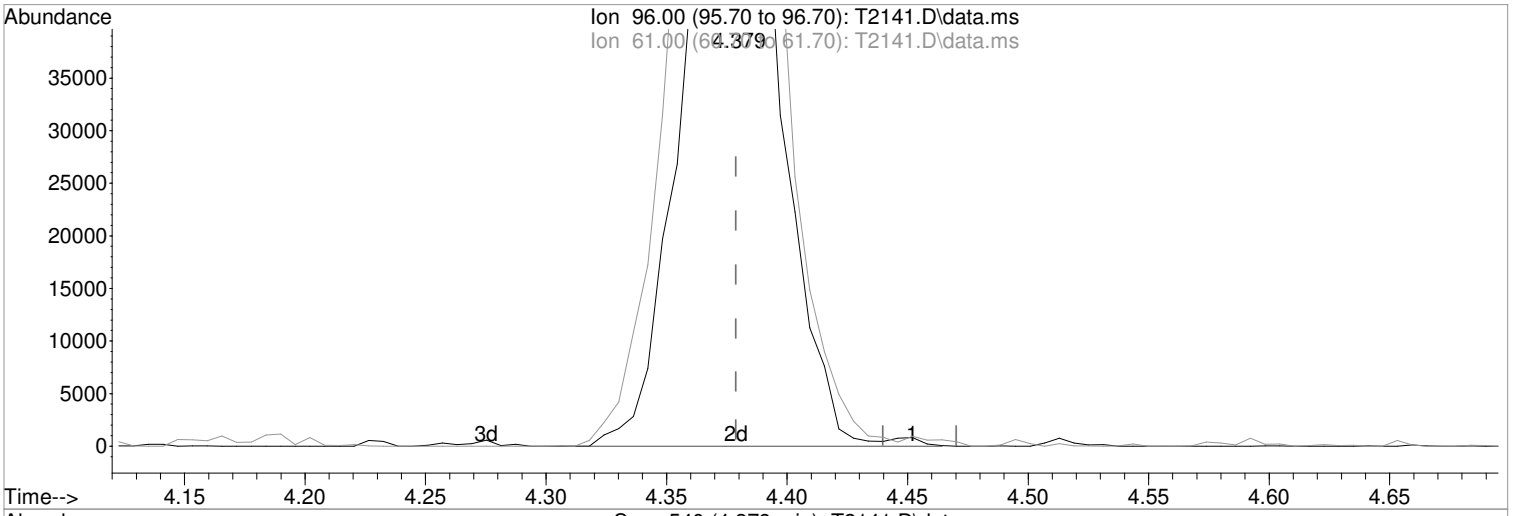


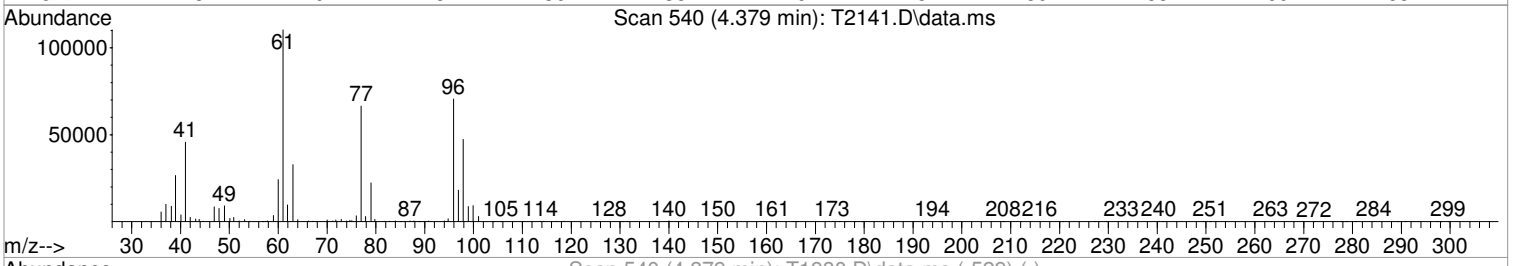
1st FJ 09/25/20
2nd 09/26/20

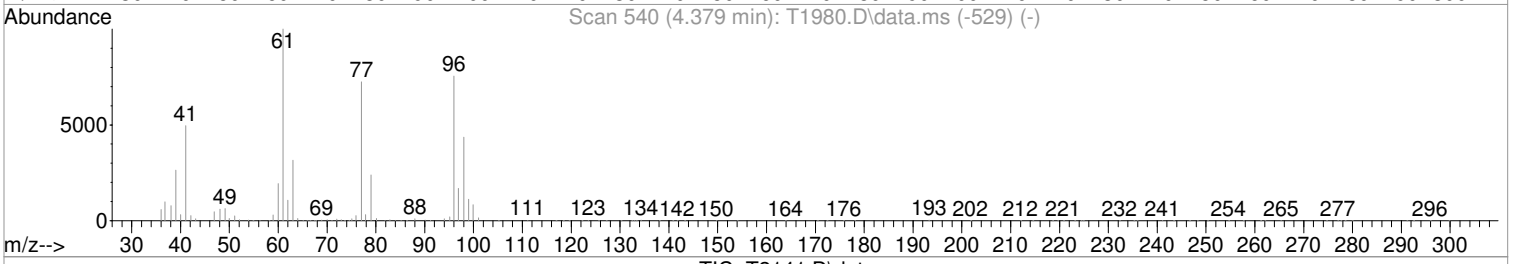
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:31:52 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2141.D\data.ms

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

4.379min (-0.000) 48.11 ug/L m

response 182565

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	156.50#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

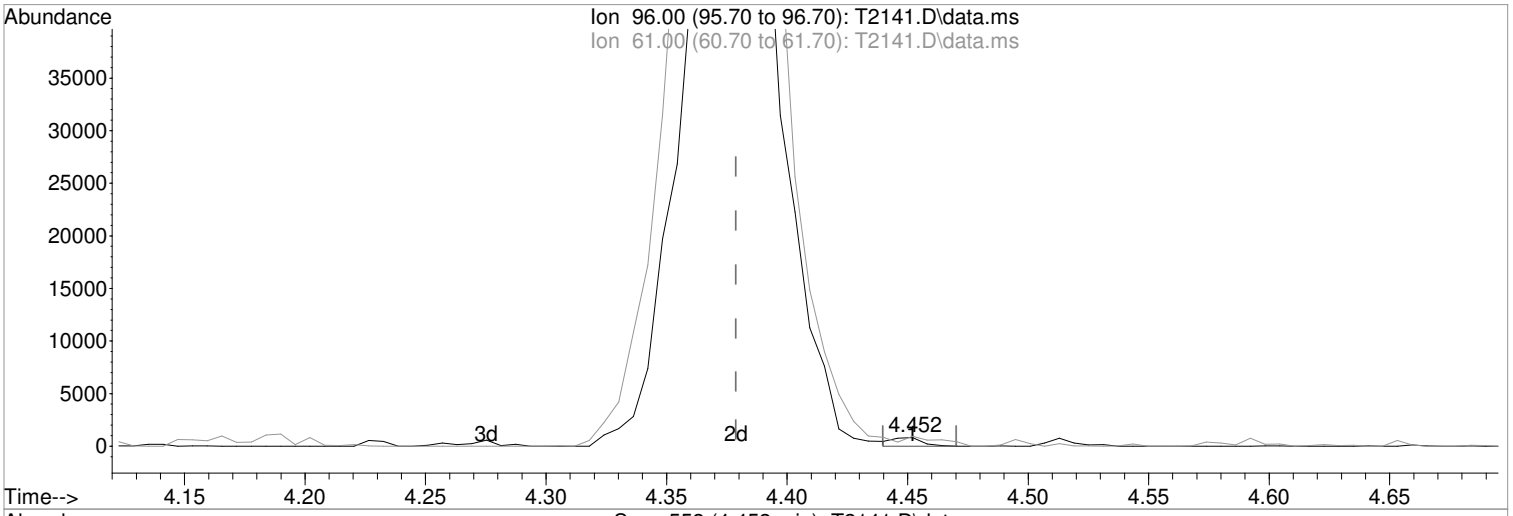
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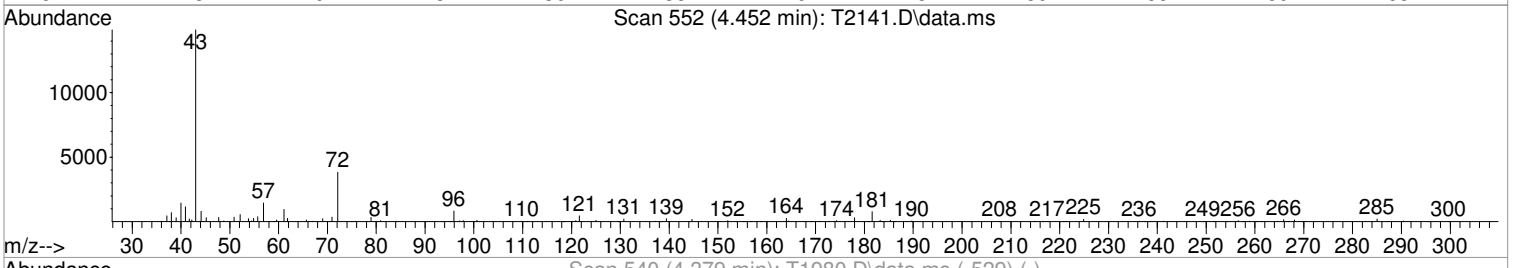
09/24/20

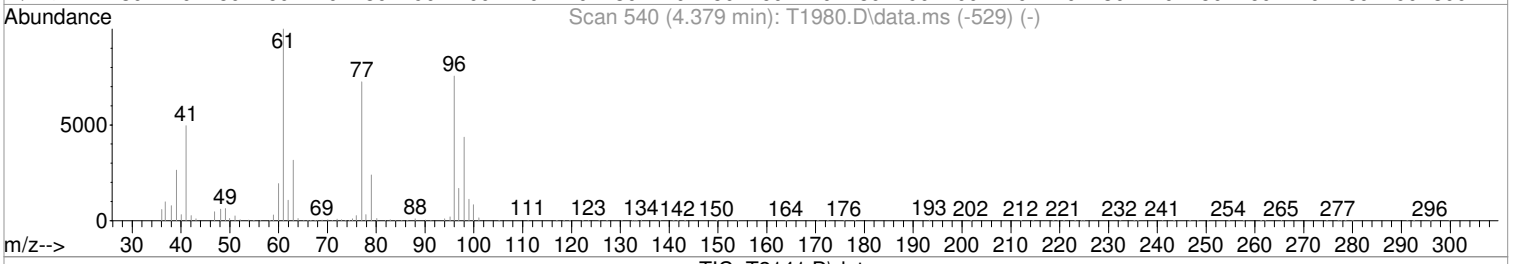
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:31:52 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2141.D\data.ms

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

4.452min (+0.073) 0.18 ug/L

response 681

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	114.20
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/24/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	132	0.00
2	P	Dichlorodifluoromethane	50.000	51.382	-2.8	120	0.00
3	P	Chloromethane	50.000	52.215	-4.4	135	0.00
4	P	Vinyl Chloride	50.000	59.129	-18.3	145	0.00
5	P	Bromomethane	50.000	51.455	-2.9	164	0.00
6	P	Chloroethane	50.000	47.742	4.5	152	0.00
7		Freon 21	50.000	55.143	-10.3	164	0.00
8	P	Trichlorofluoromethane	50.000	38.661	22.7#	104	0.00
9		Diethyl Ether	50.000	49.430	1.1	144	0.00
10		Freon 123a	50.000	63.364	-26.7#	175	0.00
11		Freon 123	50.000	55.466	-10.9	167	0.00
12		Acrolein	250.000	237.122	5.2	135	0.00
13		1,1-Diclethene	50.000	41.363	17.3	117	0.00
14	P	Freon 113	50.000	40.528	18.9	113	0.00
15	P	Acetone	50.000	54.375	-8.8	151	0.00
16		2-Propanol	1000.000	1001.511	-0.2	140	0.00
17		Iodomethane	50.000	55.383	-10.8	141	0.00
18	P	Carbon Disulfide	50.000	53.519	-7.0	135	0.00
19		Acetonitrile	250.000	267.155	-6.9	158	0.00
20		Allyl Chloride	50.000	42.946	14.1	119	0.00
21	P	Methyl Acetate	50.000	53.436	-6.9	146	0.00
22	P	Methylene Chloride	50.000	46.357	7.3	131	0.00
23		TBA	1000.000	975.083	2.5	137	0.00
24		Acrylonitrile	250.000	276.329	-10.5	147	0.00
25	P	Methyl-t-Butyl Ether	50.000	52.200	-4.4	138	0.00
26	P	trans-1,2-Dichloroethene	50.000	45.951	8.1	123	0.00
27	P	1,1-Diclethane	50.000	47.632	4.7	123	0.00
28		Vinyl Acetate	50.000	56.479	-13.0	166	0.00
29		DIPE	50.000	54.131	-8.3	154	0.00
30		2-Chloro-1,3-Butadiene	50.000	50.563	-1.1	138	0.00
31		ETBE	50.000	53.765	-7.5	139	0.00
32		2,2-Dichloropropane	50.000	44.412	11.2	120	0.00
33	P	cis-1,2-Dichloroethene	50.000	48.113	3.8	125	0.00
34	P	2-Butanone	50.000	51.144	-2.3	143	0.00
35		Propionitrile	250.000	248.120	0.8	136	0.00
36		Bromochloromethane	50.000	47.614	4.8	129	0.00
37		Methacrylonitrile	50.000	54.287	-8.6	147	0.00
38		Tetrahydrofuran	50.000	47.401	5.2	130	0.00
39	P	Chloroform	50.000	48.412	3.2	131	0.00
40	P	1,1,1-Trichloroethane	50.000	42.132	15.7	111	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	131	0.00
42	P	Cyclohexane	50.000	58.376	-16.8	165	0.00
43	s	surr4,Dibrflmethane	50.000	55.422	-10.8	148	0.00
44	P	Carbontetrachloride	50.000	43.455	13.1	106	0.00
45		1,1-Dichloropropene	50.000	44.450	11.1	116	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	53.961	-7.9	143	0.00
47	P	Benzene	50.000	47.268	5.5	121	0.00
48	P	1,2-Dichloroethane	50.000	53.584	-7.2	145	0.00
49		Iso-Butyl Alcohol	1000.000	1032.474	-3.2	145	0.00
50		TAME	50.000	50.674	-1.3	137	0.00
51		n-Heptane	50.000	43.552	12.9	111	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	2627.036	-5.1	138	0.00
53	P	Trichloroethene	50.000	43.980	12.0	111	0.00
54	P	Methylcyclohexane	50.000	56.950	-13.9	178	0.00
55	P	1,2-Diclpropane	50.000	46.973	6.1	128	0.00
56		Dibromomethane	50.000	49.485	1.0	137	0.00
57		1,4-Dioxane	1000.000	958.185	4.2	136	0.00
58		Methyl Methacrylate	50.000	52.941	-5.9	138	0.00
59	P	Bromodichloromethane	50.000	49.184	1.6	134	0.00
60		2-Nitropropane	100.000	107.603	-7.6	138	0.00
61		2-Chloroethylvinyl Ether	50.000	34.464	31.1#	99	0.00
62	P	cis-1,3-Dichloropropene	50.000	51.695	-3.4	133	0.00
63	P	4-Methyl-2-pentanone	50.000	49.566	0.9	142	0.00
64	s	SURR3,Toluene-d8	50.000	53.311	-6.6	138	0.00
65	P	Toluene	50.000	45.213	9.6	117	0.00
66	P	trans-1,3-Dichloropropene	50.000	50.791	-1.6	137	0.00
67		Ethyl Methacrylate	50.000	48.616	2.8	133	0.00
68	P	1,1,2-Trichloroethane	50.000	48.507	3.0	131	0.00
69	s	SURR2,BFB	50.000	58.205	-16.4	147	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	135	0.00
71	P	Tetrachloroethene	50.000	43.203	13.6	119	0.00
72	P	2-Hexanone	50.000	50.718	-1.4	143	0.00
73		1,3-Dichloropropane	50.000	48.759	2.5	136	0.00
74	P	Dibromochloromethane	50.000	46.919	6.2	121	0.00
75		N-Butyl Acetate	50.000	51.013	-2.0	142	0.00
76	P	1,2-Dibromoethane	50.000	47.859	4.3	132	0.00
77		3-Chlorobenzotrifluoride	50.000	48.788	2.4	139	0.00
78	P	Chlorobenzene	50.000	45.116	9.8	122	0.00
79		4-Chlorobenzotrifluoride	50.000	51.841	-3.7	142	0.00
80		1,1,1,2-Tetrachloroethane	50.000	43.857	12.3	114	0.00
81	P	Ethylbenzene	50.000	45.163	9.7	115	0.00
82	P	(m+p)Xylene	100.000	90.458	9.5	112	0.00
83	P	o-Xylene	50.000	44.360	11.3	115	0.00
84	P	Styrene	50.000	49.420	1.2	124	0.00
85	P	Bromoform	50.000	45.063	9.9	131	0.00
86		2-Chlorobenzotrifluoride	50.000	51.754	-3.5	137	0.00
87	P	Isopropylbenzene	50.000	44.081	11.8	107	0.00
88		Cyclohexanone	1000.000	934.703	6.5	131	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	48.664	2.7	159	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	139	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	49.960	0.1	148	0.00
92		Bromobenzene	50.000	42.714	14.6	122	0.00
93		1,2,3-Trichloropropane	50.000	45.946	8.1	129	0.00
94		n-Propylbenzene	50.000	43.098	13.8	117	0.00
95		2-Chlorotoluene	50.000	43.243	13.5	123	0.00
96		3-Chlorotoluene	50.000	47.791	4.4	143	0.00
97		4-Chlorotoluene	50.000	45.547	8.9	130	0.00
98		1,3,5-Trimethylbenzene	50.000	43.850	12.3	116	0.00
99		tert-Butylbenzene	50.000	39.439	21.1#	105	0.00
100		1,2,4-Trimethylbenzene	50.000	45.095	9.8	116	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	50.392	-0.8	153	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	41.928	16.1	108	0.00
103		p-Isopropyltoluene	50.000	42.120	15.8	108	0.00
104	P	1,3-Dclbenz	50.000	45.056	9.9	122	0.00
105	P	1,4-Dclbenz	50.000	44.622	10.8	124	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	54.749	-9.5	157	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	51.588	-3.2	156	0.00
108		n-Butylbenzene	50.000	44.672	10.7	121	0.00
109	P	1,2-Dclbenz	50.000	46.655	6.7	124	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	41.071	17.9	118	0.00
111		Trielution Dichlorotoluene	150.000	150.594	-0.4	137	0.00
112		1,3,5-Trichlorobenzene	50.000	52.109	-4.2	148	0.00
113		Coelution Dichlorotoluene	100.000	100.422	-0.4	139	0.00
114	P	1,2,4-Tcbenzene	50.000	48.037	3.9	128	0.00
115		Hexachlorobt	50.000	39.493	21.0#	111	0.00
116		Naphthalen	50.000	51.832	-3.7	132	0.00
117		1,2,3-Tclbenzene	50.000	52.069	-4.1	135	0.00
118		2,4,5-Trichlorotoluene	50.000	51.696	-3.4	140	0.00
119		2,3,6-Trichlorotoluene	50.000	56.135	-12.3	137	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	376811	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	581339	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	552445	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	331849	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	195699	55.42	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 110.84%				
46) surr1,1,2-dichloroetha...	5.787	65	226308	53.96	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.92%				
64) SURR3,Toluene-d8	8.317	98	723534	53.31	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 106.62%				
69) SURR2,BFB	10.878	95	311363	58.20	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 116.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	199995	51.38	ug/L		95
3) Chloromethane	1.282	50	282251	52.22	ug/L		94
4) Vinyl Chloride	1.361	62	269555	59.13	ug/L		97
5) Bromomethane	1.587	94	187276	51.46	ug/L		98
6) Chloroethane	1.666	64	134306	47.74	ug/L		99
7) Freon 21	1.818	67	397012	55.14	ug/L		98
8) Trichlorofluoromethane	1.867	101	213736	38.66	ug/L		83
9) Diethyl Ether	2.099	59	183322	49.43	ug/L		93
10) Freon 123a	2.099	67	258709	63.36	ug/L		93
11) Freon 123	2.154	83	279147	55.47	ug/L		92
12) Acrolein	2.196	56	271277	237.12	ug/L		97
13) 1,1-Diclethene	2.288	96	115693	41.36	ug/L		93
14) Freon 113	2.294	101	138252	40.53	ug/L		88
15) Acetone	2.330	43	100639	54.38	ug/L		96
16) 2-Propanol	2.465	45	444924	1001.51	ug/L		99
17) Iodomethane	2.422	142	281989	55.38	ug/L		90
18) Carbon Disulfide	2.483	76	557285	53.52	ug/L		98
19) Acetonitrile	2.580	41	220146	267.16	ug/L		92
20) Allyl Chloride	2.623	76	89549	42.95	ug/L	#	87
21) Methyl Acetate	2.641	43	235662	53.44	ug/L		98
22) Methylene Chloride	2.739	84	187271	46.36	ug/L		94
23) TBA	2.867	59	636679	975.08	ug/L		94
24) Acrylonitrile	2.989	53	549280	276.33	ug/L		98
25) Methyl-t-Butyl Ether	3.044	73	603873	52.20	ug/L		98
26) trans-1,2-Dichloroethene	3.038	96	144918	45.95	ug/L		99
27) 1,1-Diclethane	3.531	63	311456	47.63	ug/L		95
28) Vinyl Acetate	3.629	86	40686	56.48	ug/L	#	74
29) DIPE	3.659	45	708006	54.13	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.653	53	312508	50.56	ug/L		89
31) ETBE	4.196	59	595788	53.77	ug/L		95
32) 2,2-Dichloropropane	4.367	77	234867	44.41	ug/L		91
33) cis-1,2-Dichloroethene	4.379	96	182565m	48.11	ug/L		
34) 2-Butanone	4.415	43	139935	51.14	ug/L		86
35) Propionitrile	4.507	54	207732	248.12	ug/L		99
36) Bromochloromethane	4.775	130	118715	47.61	ug/L	#	79
37) Methacrylonitrile	4.775	67	107560	54.29	ug/L	#	83
38) Tetrahydrofuran	4.860	42	90919	47.40	ug/L		94
39) Chloroform	4.952	83	306799	48.41	ug/L		96
40) 1,1,1-Trichloroethane	5.257	97	225078	42.13	ug/L		98

1st FNJ 09/24/20
2nd 09/26/20

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	214249	58.38	ug/L		91
44) Carbontetrachloride	5.543	117	184245	43.46	ug/L		91
45) 1,1-Dichloropropene	5.543	75	206630	44.45	ug/L		87
47) Benzene	5.866	78	668297	47.27	ug/L		97
48) 1,2-Dichloroethane	5.903	62	273130	53.58	ug/L		94
49) Iso-Butyl Alcohol	5.885	43	313489	1032.47	ug/L		81
50) TAME	6.104	73	542782	50.67	ug/L		99
51) n-Heptane	6.354	43	217591	43.55	ug/L		90
52) 1-Butanol	6.848	56	448481	2627.04	ug/L		95
53) Trichloroethene	6.817	130	152974	43.98	ug/L		90
54) Methylcyclohexane	7.055	55	281566	56.95	ug/L		95
55) 1,2-Diclpropane	7.098	63	192317	46.97	ug/L		98
56) Dibromomethane	7.244	93	132739	49.49	ug/L		88
57) 1,4-Dioxane	7.305	88	70297	958.18	ug/L		90
58) Methyl Methacrylate	7.330	69	166292	52.94	ug/L		87
59) Bromodichloromethane	7.470	83	248119	49.18	ug/L		98
60) 2-Nitropropane	7.750	41	135319	107.60	ug/L		94
61) 2-Chloroethylvinyl Ether	7.884	63	63795	34.46	ug/L		87
62) cis-1,3-Dichloropropene	8.018	75	302294	51.69	ug/L		94
63) 4-Methyl-2-pentanone	8.220	43	267679	49.57	ug/L		91
65) Toluene	8.390	91	687251	45.21	ug/L		99
66) trans-1,3-Dichloropropene	8.659	75	282675	50.79	ug/L		96
67) Ethyl Methacrylate	8.799	69	293834	48.62	ug/L		100
68) 1,1,2-Trichloroethane	8.847	97	175108	48.51	ug/L		93
71) Tetrachloroethene	8.982	164	125279	43.20	ug/L		89
72) 2-Hexanone	9.134	43	201373	50.72	ug/L		91
73) 1,3-Dichloropropane	9.012	76	299114	48.76	ug/L		94
74) Dibromochloromethane	9.238	129	187358	46.92	ug/L		95
75) N-Butyl Acetate	9.293	43	446431	51.01	ug/L		99
76) 1,2-Dibromoethane	9.335	107	192895	47.86	ug/L		100
77) 3-Chlorobenzotrifluoride	9.853	180	255232	48.79	ug/L		97
78) Chlorobenzene	9.835	112	451800	45.12	ug/L		95
79) 4-Chlorobenzotrifluoride	9.908	180	231190	51.84	ug/L		94
80) 1,1,1,2-Tetrachloroethane	9.920	131	157640	43.86	ug/L		93
81) Ethylbenzene	9.951	106	232892	45.16	ug/L		99
82) (m+p)Xylene	10.067	106	564117	90.46	ug/L		91
83) o-Xylene	10.420	106	286312	44.36	ug/L		98
84) Styrene	10.439	104	527866	49.42	ug/L		96
85) Bromoform	10.585	173	140602	45.06	ug/L		86
86) 2-Chlorobenzotrifluoride	10.664	180	260494	51.75	ug/L		97
87) Isopropylbenzene	10.756	105	685248	44.08	ug/L		98
88) Cyclohexanone	10.817	55	854893	934.70	ug/L		94
89) trans-1,4-Dichloro-2-B...	11.067	53	69016	48.66	ug/L	#	72
91) 1,1,2,2-Tetrachloroethane	11.018	83	302254	49.96	ug/L		92
92) Bromobenzene	11.006	156	218171	42.71	ug/L	#	88
93) 1,2,3-Trichloropropane	11.042	110	76803	45.95	ug/L	#	64
94) n-Propylbenzene	11.115	91	891645	43.10	ug/L		95
95) 2-Chlorotoluene	11.176	91	578035	43.24	ug/L		98
96) 3-Chlorotoluene	11.225	91	657665	47.79	ug/L		94
97) 4-Chlorotoluene	11.268	91	679730	45.55	ug/L		99
98) 1,3,5-Trimethylbenzene	11.268	105	637353	43.85	ug/L		98
99) tert-Butylbenzene	11.536	119	493884	39.44	ug/L		95
100) 1,2,4-Trimethylbenzene	11.579	105	654719	45.10	ug/L		96
101) 3,4-Dichlorobenzotrifl...	11.640	214	248087	50.39	ug/L		97
102) sec-Butylbenzene	11.719	105	762969	41.93	ug/L		95
103) p-Isopropyltoluene	11.841	119	635560	42.12	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

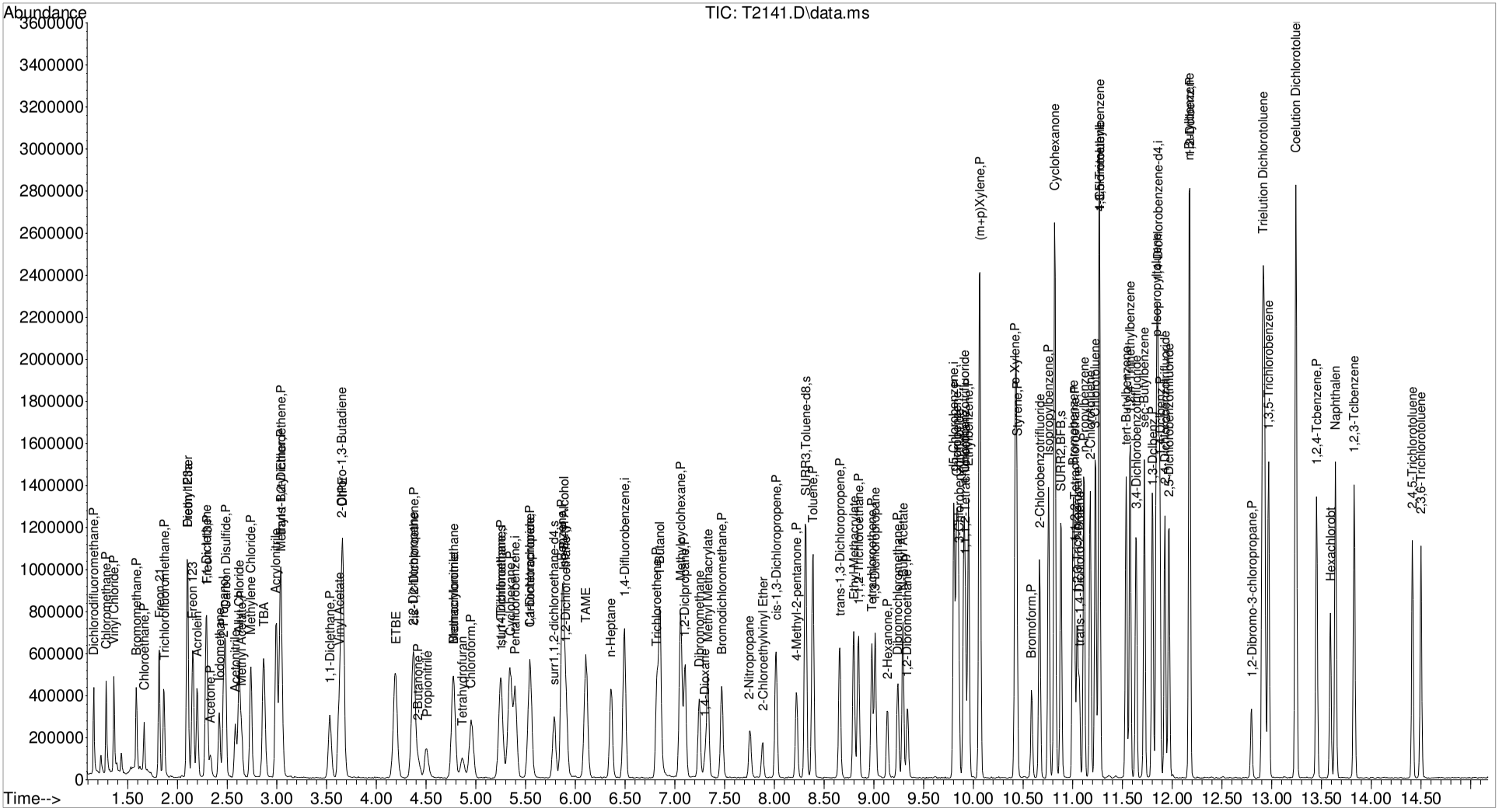
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	416663	45.06	ug/L	99
105) 1,4-Dclbenz	11.877	146	436831	44.62	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.926	214	232802	54.75	ug/L	94
107) 2,5-Dichlorobenzotrifl...	11.969	214	253163	51.59	ug/L	100
108) n-Butylbenzene	12.170	91	634315	44.67	ug/L	96
109) 1,2-Dclbenz	12.176	146	426492	46.66	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.798	157	63563	41.07	ug/L	94
111) Trielution Dichlorotol...	12.914	125	1124272	150.59	ug/L	93
112) 1,3,5-Trichlorobenzene	12.969	180	344383	52.11	ug/L	95
113) Coelution Dichlorotoluene	13.243	125	833755	100.42	ug/L	94
114) 1,2,4-Tcbenzene	13.450	180	312157	48.04	ug/L	98
115) Hexachlorobt	13.590	225	111290	39.49	ug/L	99
116) Naphthalen	13.639	128	837250	51.83	ug/L	95
117) 1,2,3-Tclbenzene	13.828	180	319289	52.07	ug/L	94
118) 2,4,5-Trichlorotoluene	14.413	159	207368	51.70	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	190354	56.14	ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2141.D
Acq On : 24 Sep 2020 10:15 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 10:33:07 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



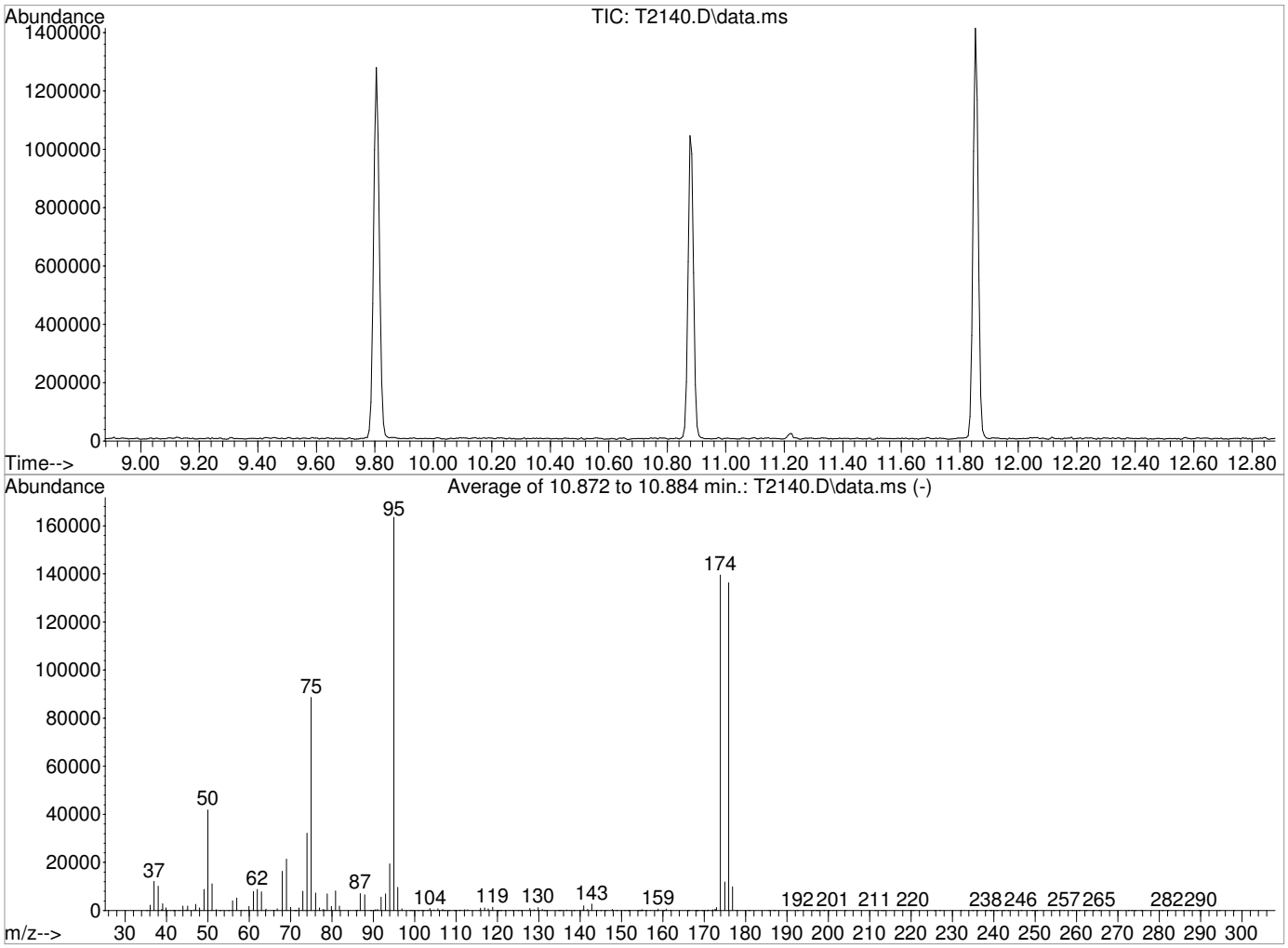
1st FJ 09/24/20
2nd 09/26/20

1st FJ 09/24/20
2nd 09/26/20

Data Path : I:\ACQUDATA\msvoa10\data\092420\
Data File : T2140.D
Acq On : 24 Sep 2020 9:42 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 17 16:48:28 2020



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1598

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	41898	PASS
75	95	30	60	54.2	88597	PASS
95	95	100	100	100.0	163533	PASS
96	95	5	9	5.9	9648	PASS
173	174	0.00	2	0.9	1221	PASS
174	95	50	120	85.3	139556	PASS
175	174	5	9	8.5	11836	PASS
176	174	95	101	97.6	136264	PASS
177	176	5	9	7.2	9850	PASS

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 9/17/20 11:24

ICAL Tune Summary

Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\091720\T1973.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	20.7	23707	PASS
75	95	30	60	47.5	54444	PASS
95	95	100	100	100.0	114586	PASS
96	95	5	9	6.9	7858	PASS
173	174	0	2	1.5	1286	PASS
174	95	50	120	73.1	83755	PASS
175	174	5	9	7.1	5943	PASS
176	174	95	101	97.4	81579	PASS
177	176	5	9	6.3	5113	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICALBLK	ICALBLK	I:\ACQUDATA\msvoa10\data\091720\T1974.D	9/17/20 11:52	
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1975.D	9/17/20 12:47	
1 PPB STD	1 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1976.D	9/17/20 13:09	
2 PPB STD	2 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1977.D	9/17/20 13:31	
5 PPB STD	5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1978.D	9/17/20 13:53	
20 PPB STD	20 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1979.D	9/17/20 14:14	
50 PPB STD	50 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1980.D	9/17/20 14:36	
100 PPB STD	100 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1981.D	9/17/20 14:58	
200 PPB STD	200 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1983.D	9/17/20 15:42	
150 PPB STD	150 PPB STD	I:\ACQUDATA\MSVOA10\DATA\091720\T1985.D	9/17/20 16:26	
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091720\T1988.D	9/17/20 17:31	

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 9/18/20 11:48

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA10\DATA\091820\T1993.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	18.8	28311	PASS
75	95	30	60	48.4	72757	PASS
95	95	100	100	100.0	150464	PASS
96	95	5	9	6.1	9247	PASS
173	174	0	2	1.8	2228	PASS
174	95	50	120	84.0	126456	PASS
175	174	5	9	8.4	10683	PASS
176	174	95	101	96.3	121784	PASS
177	176	5	9	5.8	7069	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091820\T1995.D	9/18/20 12:54	

1st FW 09/18/20
2nd WR 09/19/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091820\
Data File : T1995.D
Acq On : 18 Sep 2020 12:54 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 14:23:57 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

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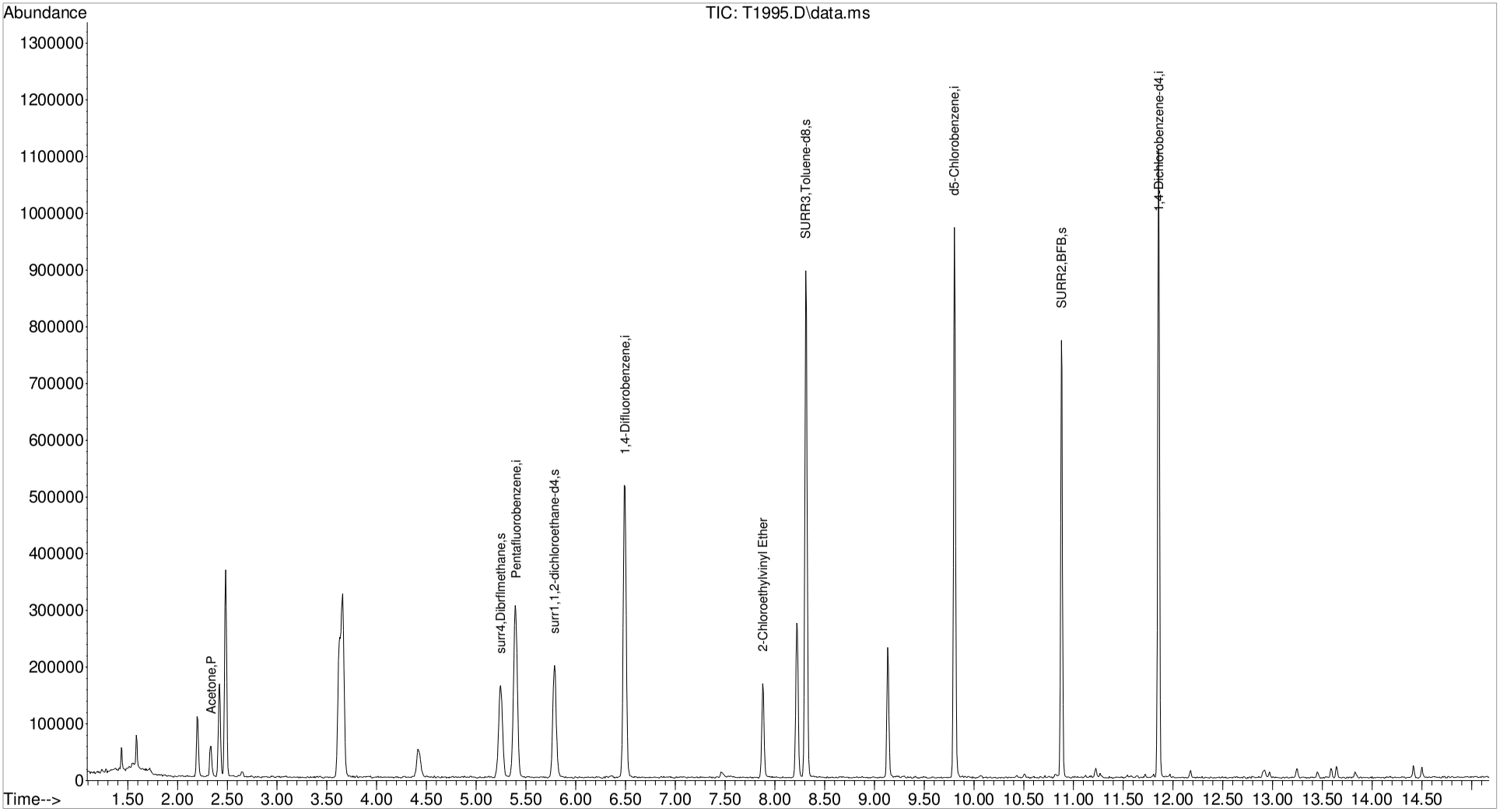
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	280929	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	443360	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	416648	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	210035	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	134548	49.96	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.92%				
46) surr1,1,2-dichloroetha...	5.787	65	165103	51.62	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.24%				
64) SURR3,Toluene-d8	8.311	98	523435	50.57	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.14%				
69) SURR2,BFB	10.878	95	199985	49.02	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.04%				
Target Compounds							Qvalue
10) Freon 123a	2.117	67	306	Below Cal		#	20
15) Acetone	2.337	43	55385	40.14	ug/L		92
37) Methacrylonitrile	4.684	67	290	Below Cal		#	1
38) Tetrahydrofuran	4.867	42	770	Below Cal			70
42) Cyclohexane	5.348	41	370	Below Cal		#	52
58) Methyl Methacrylate	7.421	69	290	Below Cal		#	40
60) 2-Nitropropane	7.750	41	1516	Below Cal		#	15
61) 2-Chloroethylvinyl Ether	7.878	63	63472	44.96	ug/L		98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091820\
Data File : T1995.D
Acq On : 18 Sep 2020 12:54 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 14:23:57 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



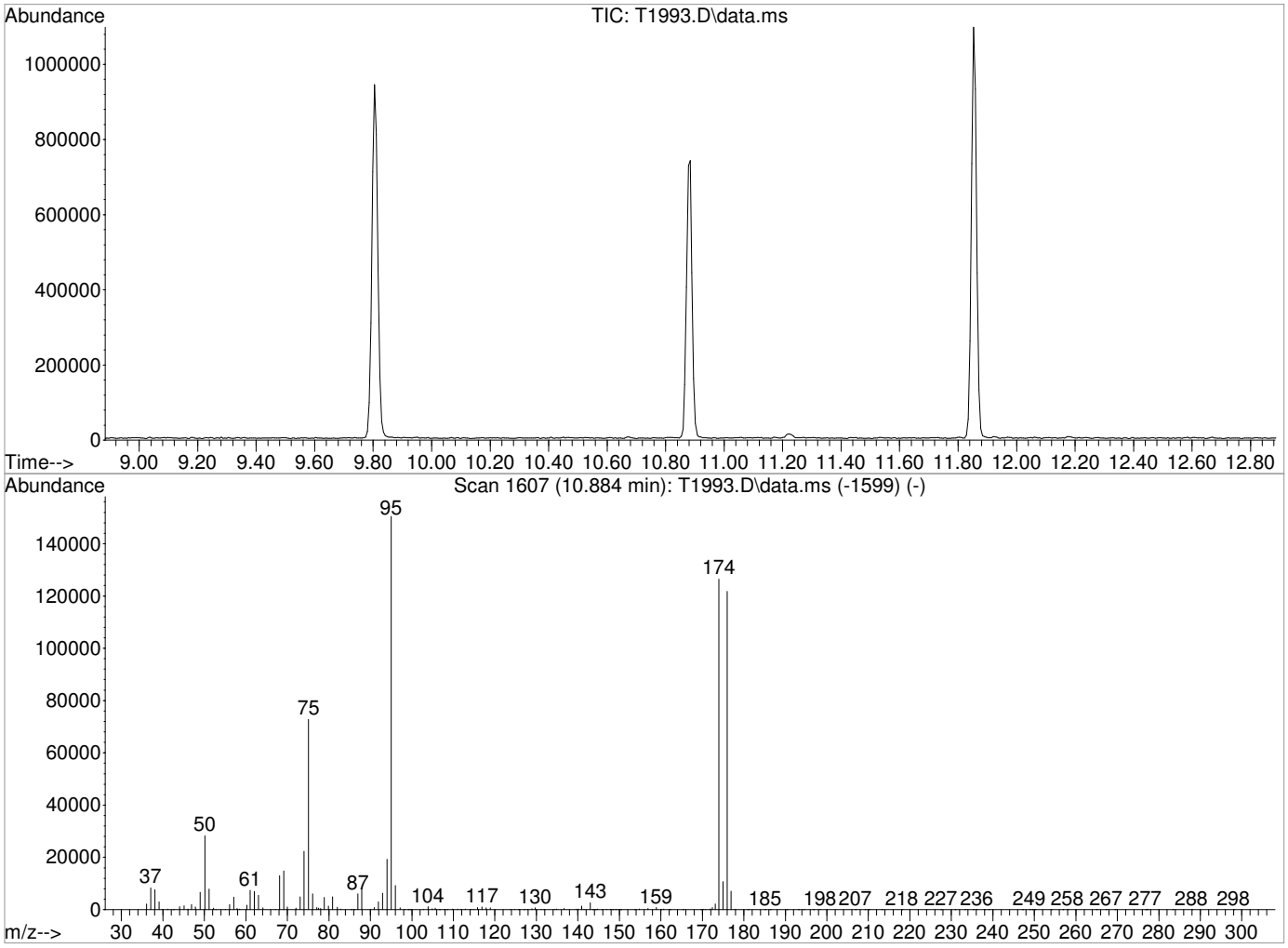
1st 09/18/20
2nd 09/19/20

1st FJ 09/18/20
2nd 09/19/20

Data Path : I:\ACQUDATA\msvoa10\data\091820\
Data File : T1993.D
Acq On : 18 Sep 2020 11:48 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 17 16:48:28 2020



Spectrum Information: Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	28311	PASS
75	95	30	60	48.4	72757	PASS
95	95	100	100	100.0	150464	PASS
96	95	5	9	6.1	9247	PASS
173	174	0.00	2	1.8	2228	PASS
174	95	50	120	84.0	126456	PASS
175	174	5	9	8.4	10683	PASS
176	174	95	101	96.3	121784	PASS
177	176	5	9	5.8	7069	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	284967	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	437144	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	397544	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	234731	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	136328	51.34	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.68%				
46) surr1,1,2-dichloroetha...	5.787	65	163039	51.70	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.40%				
64) SURR3,Toluene-d8	8.317	98	535167	52.44	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.88%				
69) SURR2,BFB	10.884	95	209002	51.96	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 103.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	136180	46.26	ug/L		95
3) Chloromethane	1.282	50	183939	44.99	ug/L		94
4) Vinyl Chloride	1.361	62	153082	44.40	ug/L		95
5) Bromomethane	1.581	94	149779	54.42	ug/L		97
6) Chloroethane	1.666	64	83364	39.18	ug/L		97
7) Freon 21	1.812	67	252122	46.30	ug/L		98
8) Trichlorofluoromethane	1.861	101	177475	42.45	ug/L		95
9) Diethyl Ether	2.099	59	131050	46.72	ug/L		90
10) Freon 123a	2.099	67	140404	45.59	ug/L		87
11) Freon 123	2.154	83	177286	46.58	ug/L		99
12) Acrolein	2.196	56	76518	88.44	ug/L		99
13) 1,1-Diclethene	2.288	96	108607	51.34	ug/L	#	79
14) Freon 113	2.294	101	100727	39.04	ug/L		97
15) Acetone	2.330	43	94240	67.33	ug/L		94
16) 2-Propanol	2.465	45	360048	1071.67	ug/L		96
17) Iodomethane	2.422	142	146412	39.00	ug/L		98
18) Carbon Disulfide	2.483	76	345207	43.84	ug/L		99
19) Acetonitrile	2.587	41	151222	242.66	ug/L		95
20) Allyl Chloride	2.623	76	66615	42.24	ug/L	#	85
21) Methyl Acetate	2.641	43	171942	51.44	ug/L		96
22) Methylene Chloride	2.739	84	137336	44.95	ug/L		93
23) TBA	2.867	59	504834	1022.35	ug/L		99
24) Acrylonitrile	2.995	53	384293	255.64	ug/L		98
25) Methyl-t-Butyl Ether	3.044	73	453586	51.85	ug/L		99
26) trans-1,2-Dichloroethene	3.038	96	115030	48.23	ug/L		93
27) 1,1-Diclethane	3.531	63	233224	47.16	ug/L		95
28) Vinyl Acetate	3.617	86	31488	57.80	ug/L	#	46
29) DIPE	3.659	45	496916	50.24	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.659	53	186124	39.82	ug/L		97
31) ETBE	4.196	59	427374	51.00	ug/L		97
32) 2,2-Dichloropropane	4.367	77	177395	44.36	ug/L		94
33) cis-1,2-Dichloroethene	4.379	96	133602	46.56	ug/L		95
34) 2-Butanone	4.422	43	112557	54.40	ug/L		85
35) Propionitrile	4.507	54	159257	251.53	ug/L		91
36) Bromochloromethane	4.775	130	88809	47.10	ug/L		87
37) Methacrylonitrile	4.775	67	77718	51.78	ug/L		87
38) Tetrahydrofuran	4.867	42	65160	44.74	ug/L		93
39) Chloroform	4.952	83	214614	44.78	ug/L		97
40) 1,1,1-Trichloroethane	5.257	97	174277	43.14	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	148199	53.57	ug/L		90
44) Carbontetrachloride	5.543	117	143843	45.12	ug/L		96
45) 1,1-Dichloropropene	5.555	75	154551	44.21	ug/L		92
47) Benzene	5.866	78	486808	45.79	ug/L		99
48) 1,2-Dichloroethane	5.909	62	177879	46.41	ug/L		95
49) Iso-Butyl Alcohol	5.879	43	225259	986.61	ug/L		90
50) TAME	6.104	73	431120	53.53	ug/L		99
51) n-Heptane	6.360	43	167415	44.56	ug/L		97
52) 1-Butanol	6.854	56	348592	2715.47	ug/L		98
53) Trichloroethene	6.823	130	117876	45.07	ug/L		97
54) Methylcyclohexane	7.061	55	191373	51.48	ug/L		94
55) 1,2-Diclpropane	7.098	63	133285	43.29	ug/L		97
56) Dibromomethane	7.250	93	90290	44.76	ug/L		94
57) 1,4-Dioxane	7.305	88	54600	989.71	ug/L		93
58) Methyl Methacrylate	7.329	69	123647	52.34	ug/L		91
59) Bromodichloromethane	7.470	83	168486	44.42	ug/L		99
60) 2-Nitropropane	7.756	41	102422	108.30	ug/L		91
61) 2-Chloroethylvinyl Ether	7.884	63	20814	14.95	ug/L		91
62) cis-1,3-Dichloropropene	8.018	75	209489	47.64	ug/L		98
63) 4-Methyl-2-pentanone	8.226	43	203832	50.19	ug/L		90
65) Toluene	8.384	91	521547	45.63	ug/L		97
66) trans-1,3-Dichloropropene	8.659	75	194464	46.47	ug/L		97
67) Ethyl Methacrylate	8.799	69	222834	49.03	ug/L		97
68) 1,1,2-Trichloroethane	8.841	97	129748	47.80	ug/L		96
71) Tetrachloroethene	8.982	164	88838	42.57	ug/L		95
72) 2-Hexanone	9.134	43	157967	55.29	ug/L		94
73) 1,3-Dichloropropane	9.012	76	215824	48.89	ug/L		97
74) Dibromochloromethane	9.244	129	144204	50.18	ug/L		99
75) N-Butyl Acetate	9.293	43	321541	51.06	ug/L		100
76) 1,2-Dibromoethane	9.335	107	137016	47.24	ug/L		92
77) 3-Chlorobenzotrifluoride	9.853	180	179234	47.61	ug/L		94
78) Chlorobenzene	9.835	112	339109	47.06	ug/L		94
79) 4-Chlorobenzotrifluoride	9.908	180	158465	49.38	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.920	131	126777	49.01	ug/L		94
81) Ethylbenzene	9.951	106	176687	47.61	ug/L		97
82) (m+p)Xylene	10.067	106	439991	98.04	ug/L		100
83) o-Xylene	10.420	106	217697	46.87	ug/L		93
84) Styrene	10.439	104	376823	49.03	ug/L		96
85) Bromoform	10.585	173	105294	46.90	ug/L		94
86) 2-Chlorobenzotrifluoride	10.670	180	181928	50.23	ug/L		94
87) Isopropylbenzene	10.756	105	541081	48.37	ug/L		99
88) Cyclohexanone	10.817	55	659584	1002.16	ug/L		100
89) trans-1,4-Dichloro-2-B...	11.067	53	45032	44.13	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.018	83	212300	49.61	ug/L		94
92) Bromobenzene	10.999	156	158494	43.87	ug/L	#	82
93) 1,2,3-Trichloropropane	11.048	110	57496	48.63	ug/L	#	90
94) n-Propylbenzene	11.115	91	664099	45.38	ug/L		97
95) 2-Chlorotoluene	11.176	91	409047	43.26	ug/L		99
96) 3-Chlorotoluene	11.231	91	437266	44.92	ug/L		99
97) 4-Chlorotoluene	11.268	91	461849	43.75	ug/L		98
98) 1,3,5-Trimethylbenzene	11.262	105	478528	46.54	ug/L		98
99) tert-Butylbenzene	11.536	119	407006	45.95	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	496664	48.36	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.640	214	159181	45.71	ug/L		97
102) sec-Butylbenzene	11.719	105	605991	47.08	ug/L		99
103) p-Isopropyltoluene	11.841	119	490845	45.99	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

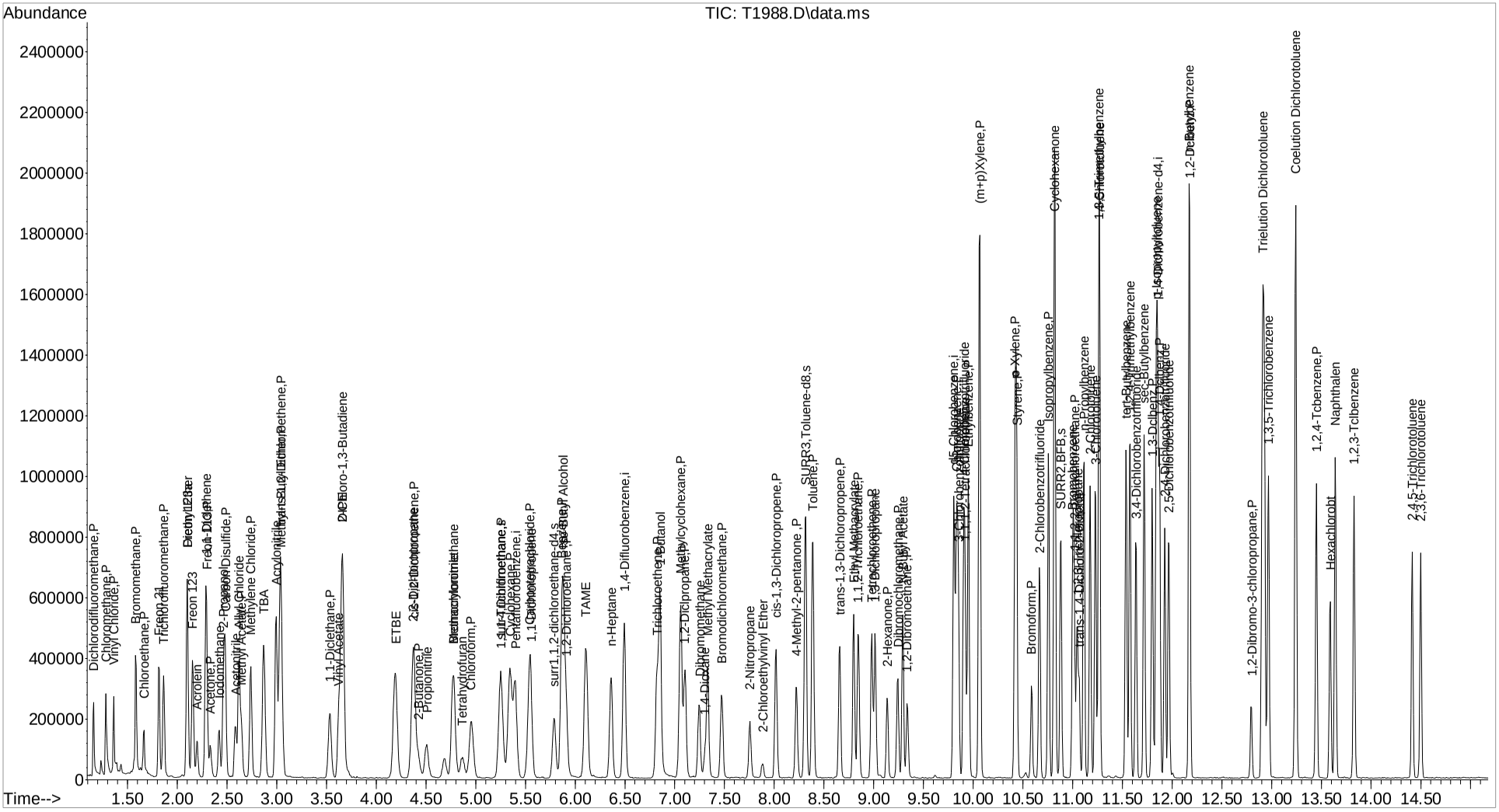
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	300151	45.89	ug/L	99
105) 1,4-Dclbenz	11.871	146	308646	44.57	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	144155	47.93	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	165186	47.59	ug/L	97
108) n-Butylbenzene	12.170	91	447057	44.51	ug/L	97
109) 1,2-Dclbenz	12.176	146	306810	47.45	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	54831	50.09	ug/L	90
111) Trielution Dichlorotol...	12.914	125	800860	151.66	ug/L	98
112) 1,3,5-Trichlorobenzene	12.969	180	230268	49.26	ug/L	97
113) Coelution Dichlorotoluene	13.243	125	593722	101.10	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	221354	48.16	ug/L	96
115) Hexachlorobt	13.590	225	86881	43.59	ug/L	93
116) Naphthalen	13.639	128	618161	54.10	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	206793	47.68	ug/L	98
118) 2,4,5-Trichlorotoluene	14.413	159	146930	51.78	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	137628	57.38	ug/L	92

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

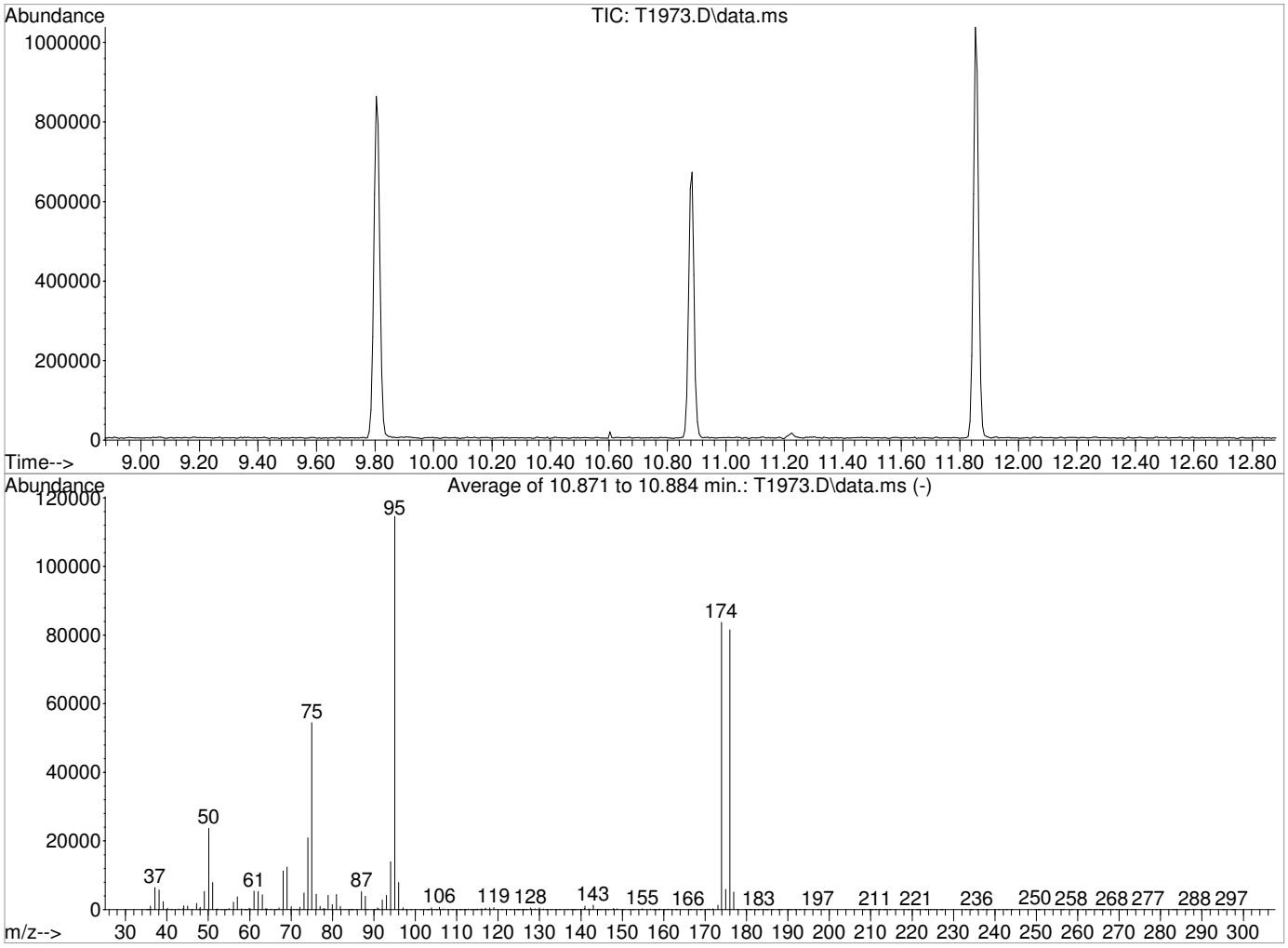


1st FJ 09/18/20
2nd 09/19/20

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1973.D
Acq On : 17 Sep 2020 11:24 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Tue Sep 15 14:18:43 2020



AutoFind: Scans 1605, 1606, 1607; 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	20.7	23707	PASS
75	95	30	60	47.5	54444	PASS
95	95	100	100	100.0	114586	PASS
96	95	5	9	6.9	7858	PASS
173	174	0.00	2	1.5	1286	PASS
174	95	50	120	73.1	83755	PASS
175	174	5	9	7.1	5943	PASS
176	174	95	101	97.4	81579	PASS
177	176	5	9	6.3	5113	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1974.D
Acq On : 17 Sep 2020 11:52 am
Operator : F.NAEGLER
Sample : ICALBLK Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 10:53:54 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

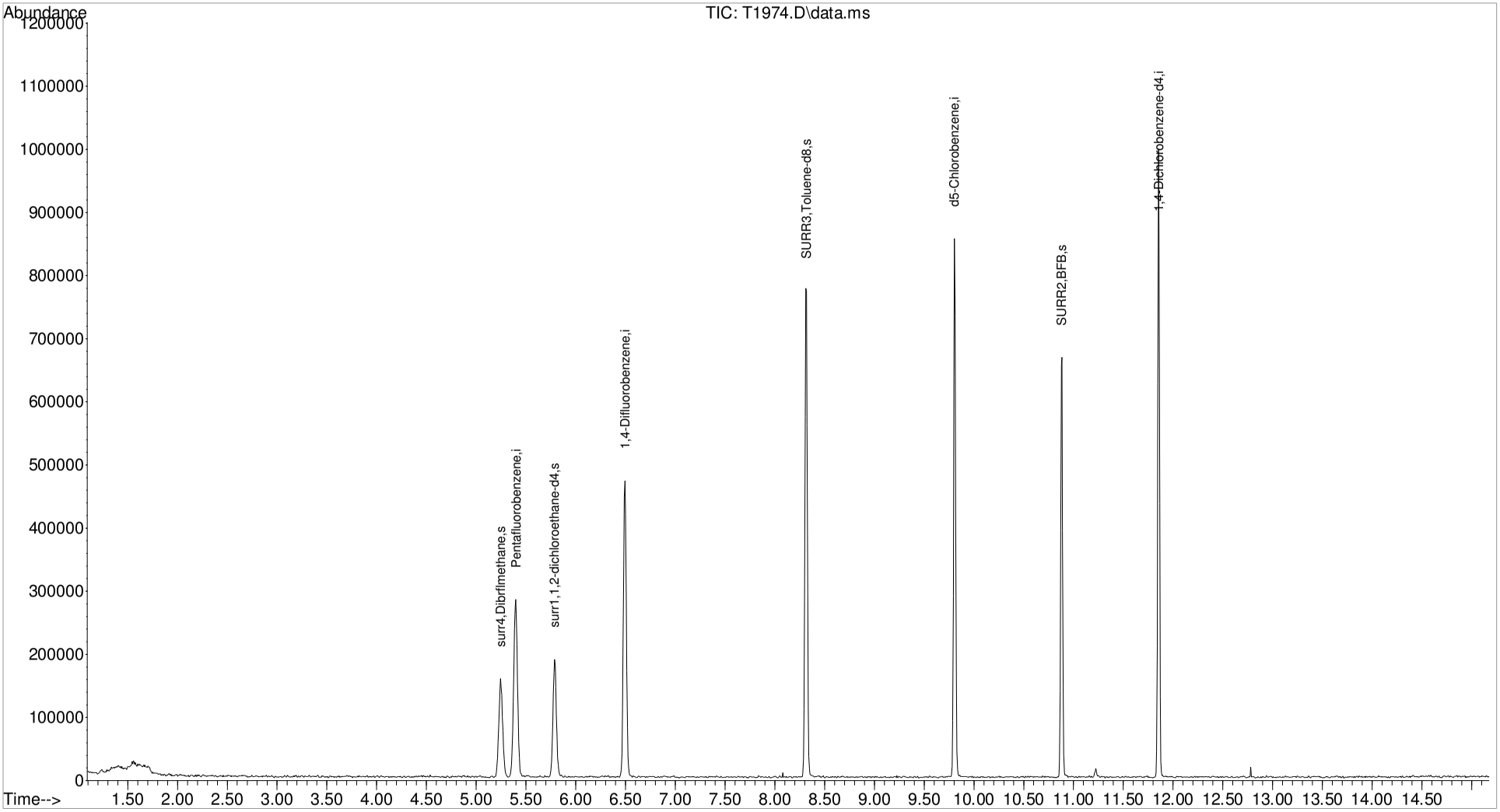
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	258131	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	403305	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	366513	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	184582	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	126482	51.63	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.26%			
46) surr1,1,2-dichloroetha...	5.787	65	152552	52.43	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.86%			
64) SURR3,Toluene-d8	8.317	98	481505	51.14	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.28%			
69) SURR2,BFB	10.884	95	178999	48.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.46%			
Target Compounds						Qvalue
10) Freon 123a	2.136	67	277	Below Cal	#	29
21) Methyl Acetate	2.593	43	798	Below Cal		68
37) Methacrylonitrile	4.690	67	454	Below Cal	#	1
42) Cyclohexane	5.330	41	434	Below Cal		94
60) 2-Nitropropane	7.756	41	900	Below Cal	#	22

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1974.D
Acq On : 17 Sep 2020 11:52 am
Operator : F.NAEGLER
Sample : ICALBLK Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 10:53:54 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



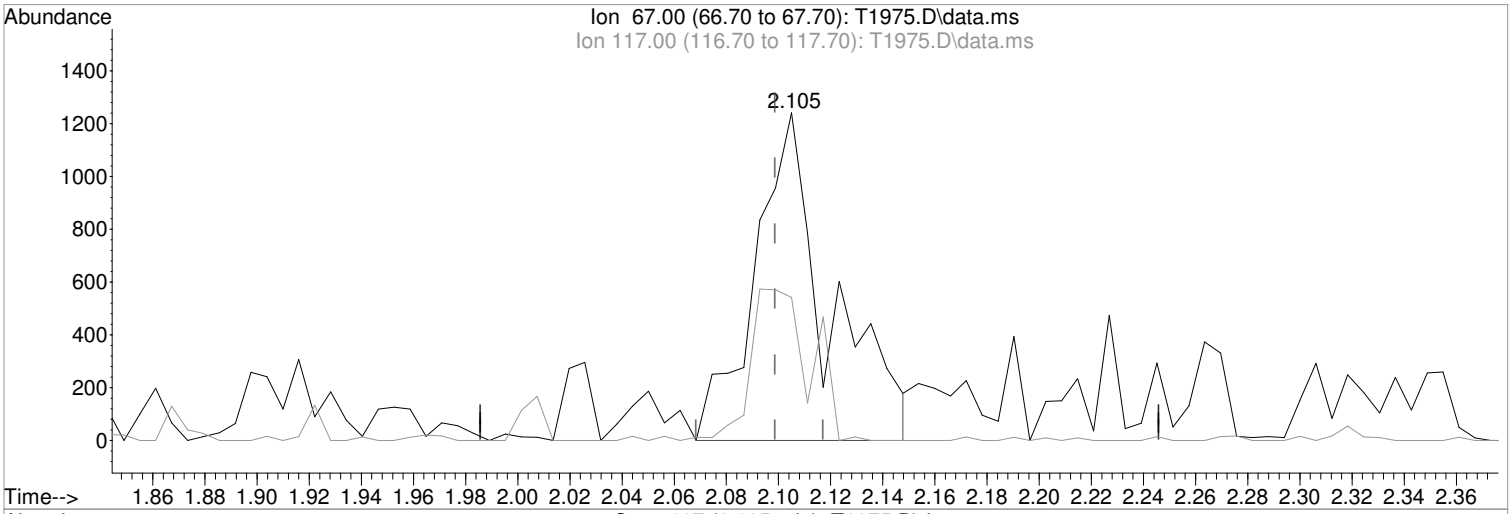
1st FJ 09/18/20
2nd 09/19/20

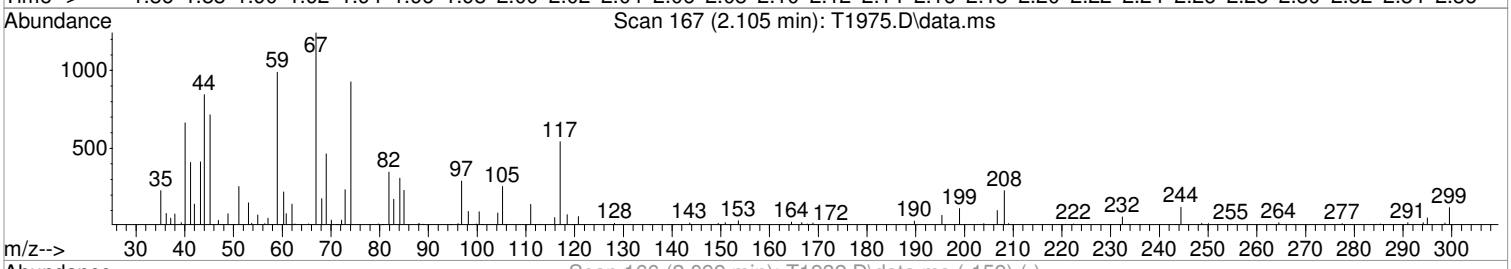
1st FW 09/18/20
2nd WR 09/19/20

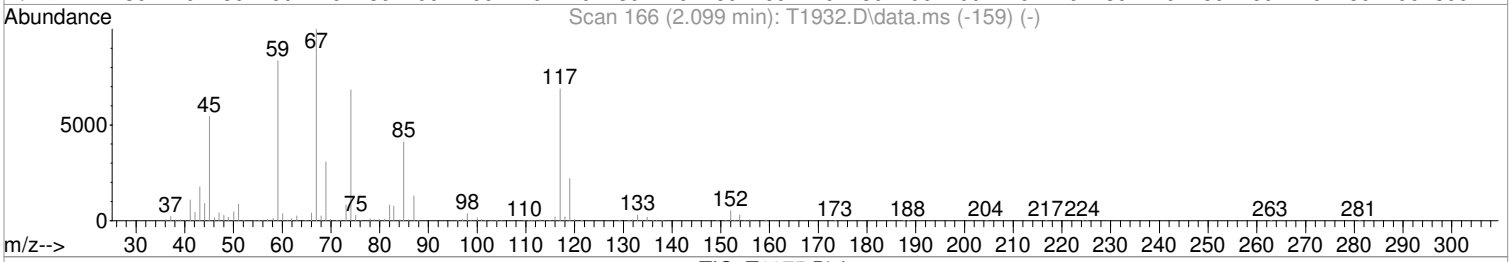
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(10) Freon 123a

2.105min (+0.006) 0.92 ug/L m

response 2432

Ion	Exp%	Act%
67.00	100	100
117.00	69.50	43.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

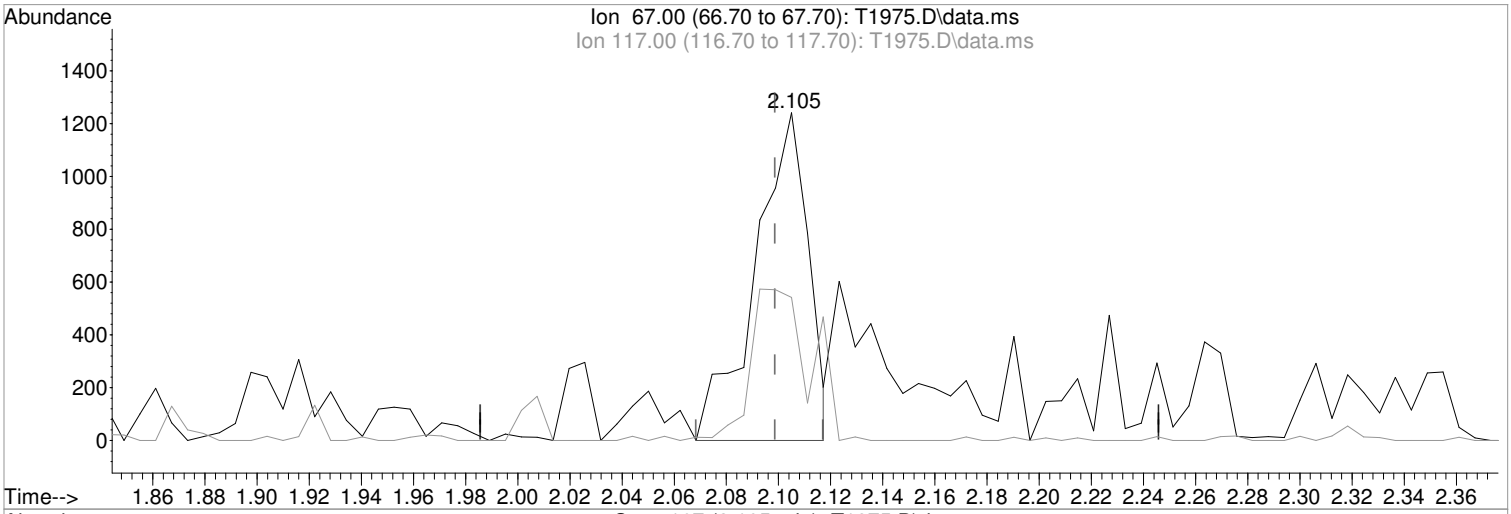
09/17/20

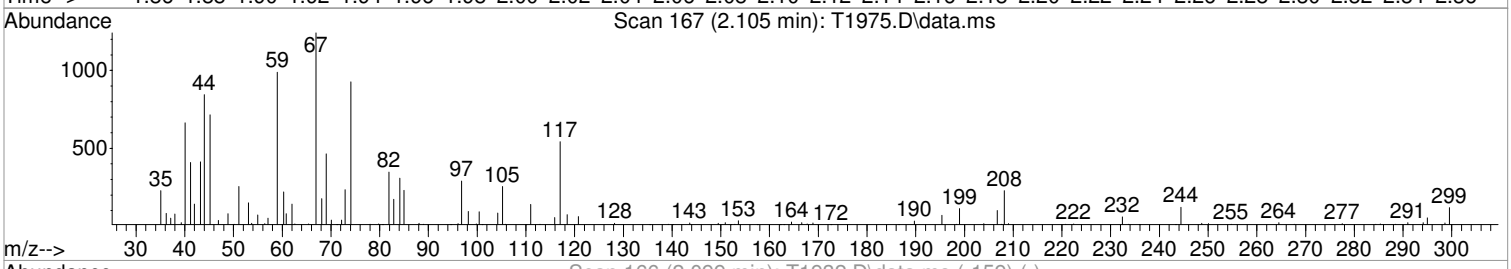
1st FJ 09/18/20
2nd 09/19/20

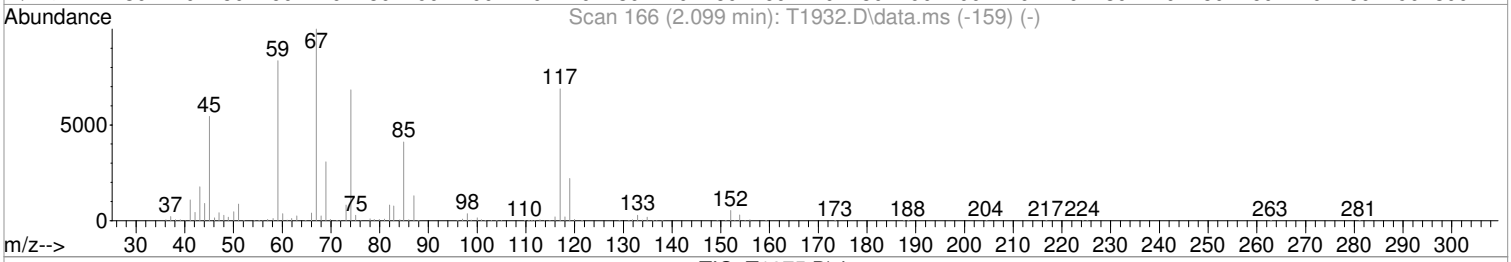
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(10) Freon 123a

2.105min (+0.006) 0.67 ug/L

response 1756

Ion	Exp%	Act%
67.00	100	100
117.00	69.50	43.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

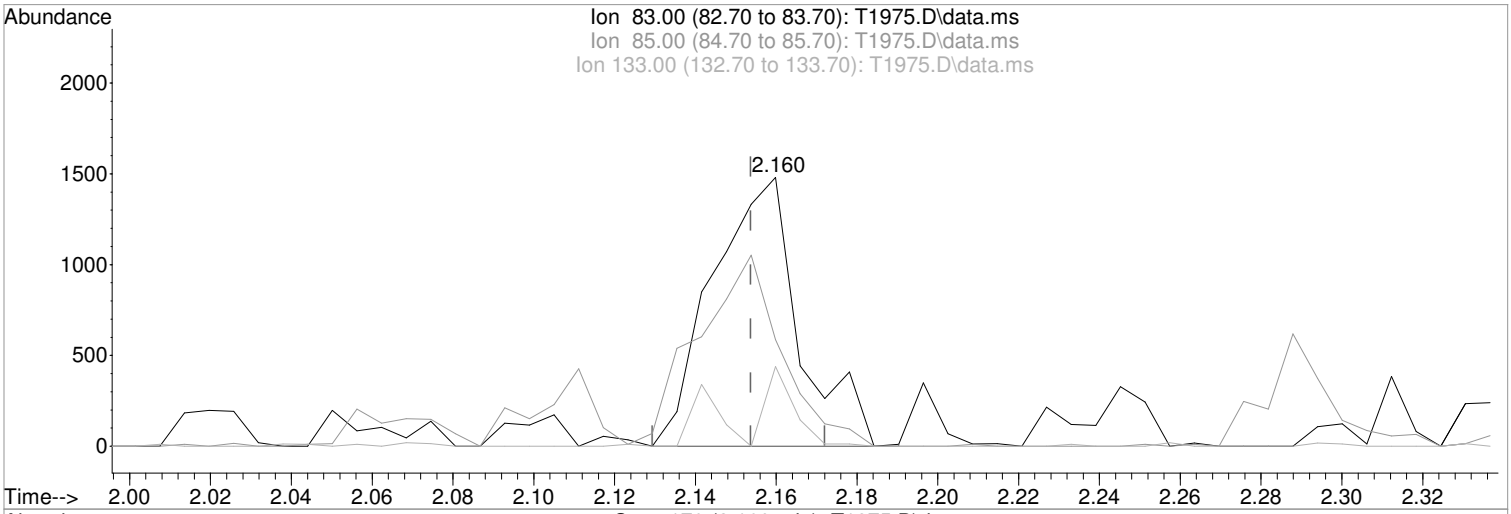
Before

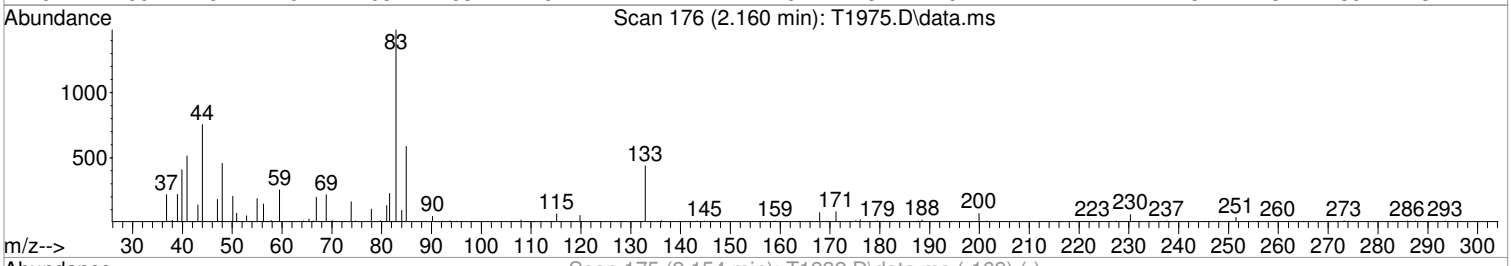
09/17/20

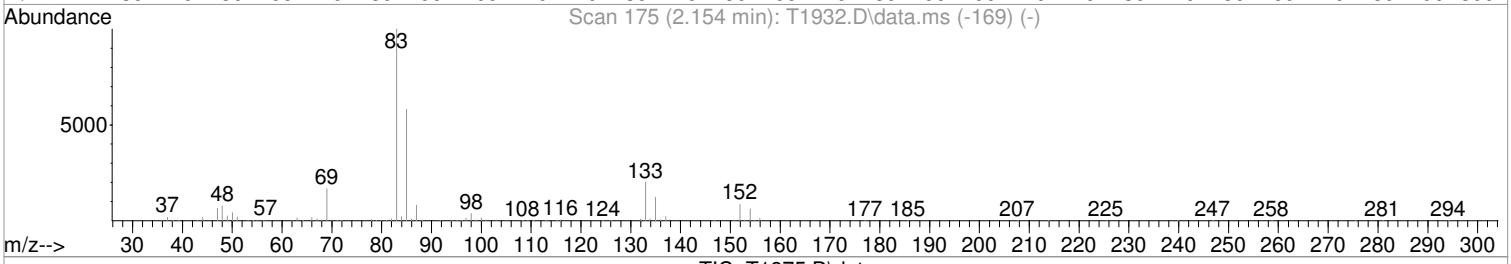
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(11) Freon 123

2.160min (+0.006) 0.71 ug/L m

response 2213

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	39.57#
133.00	20.20	29.57
0.00	0.00	0.00

Manual Integration:

After

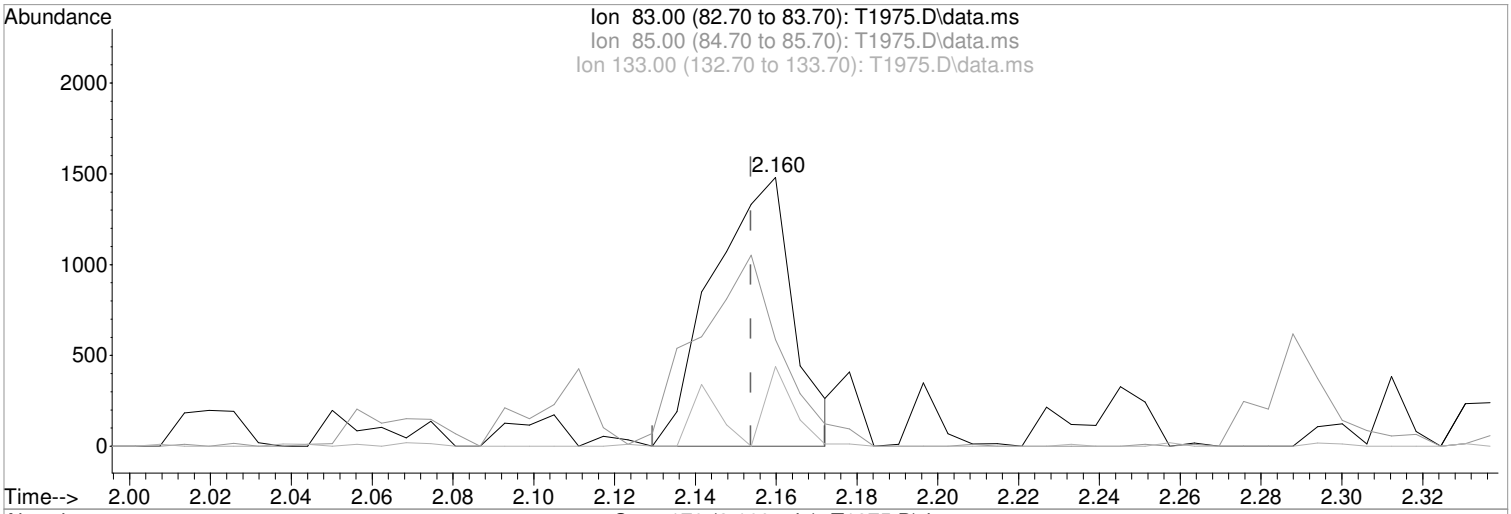
Poor integration.

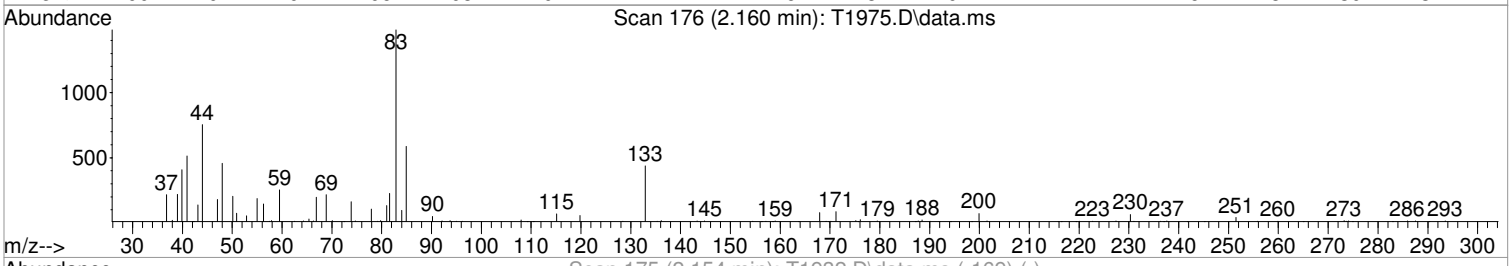
09/17/20

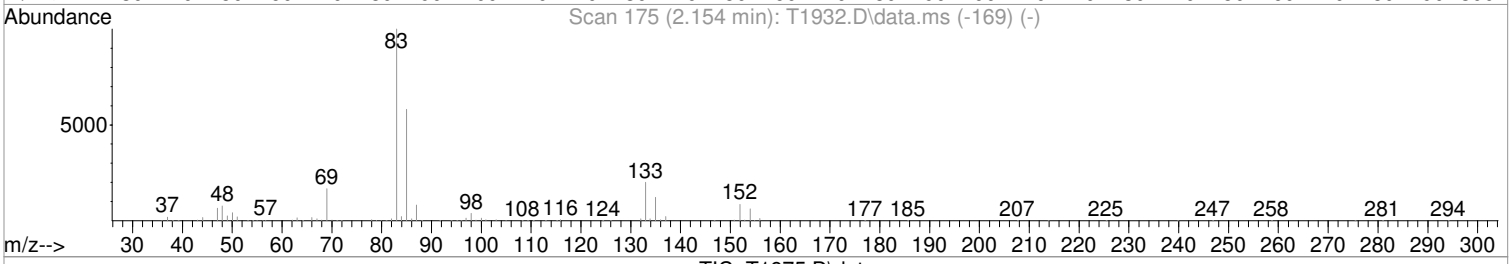
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(11) Freon 123

2.160min (+0.006) 0.67 ug/L

response 2060

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	39.57#
133.00	20.20	29.57
0.00	0.00	0.00

Manual Integration:

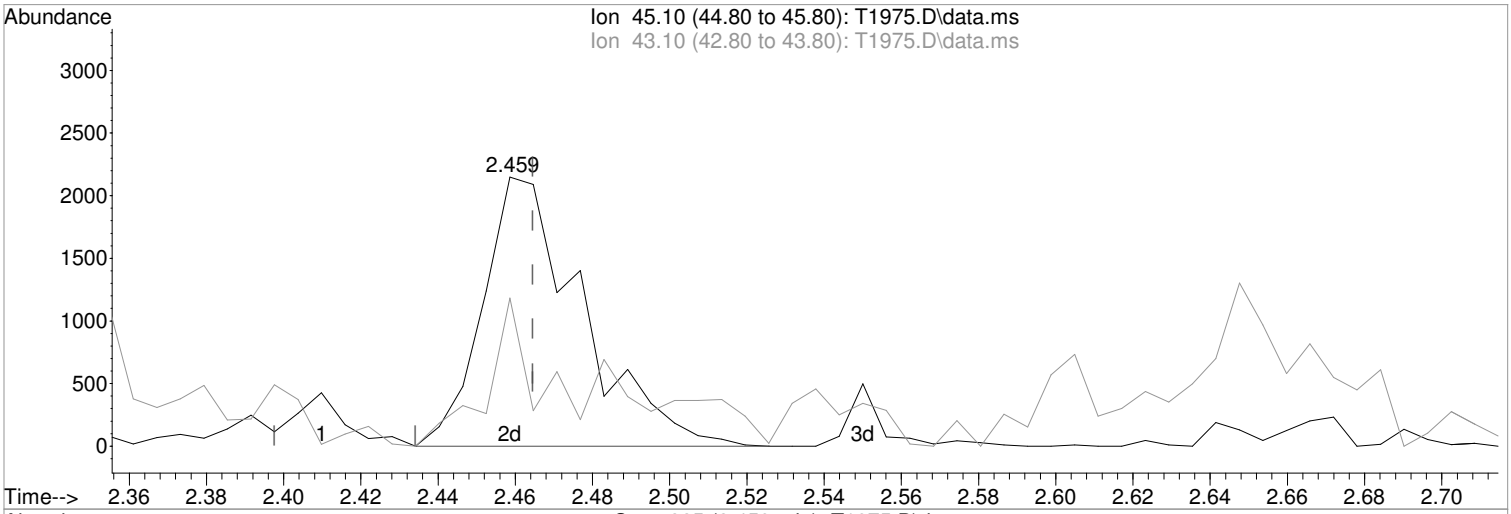
Before

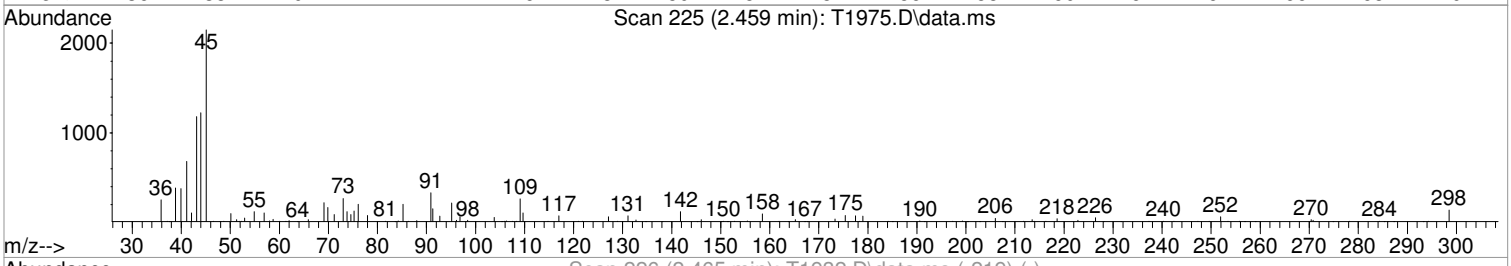
09/17/20

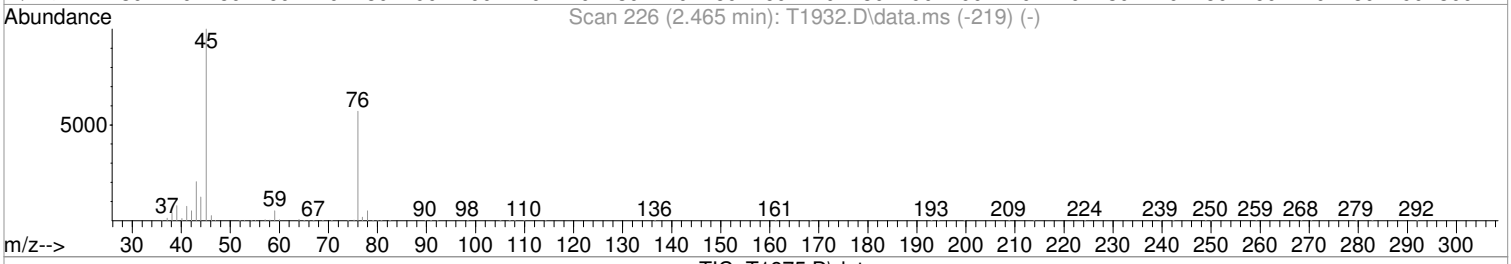
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(16) 2-Propanol

2.459min (-0.006) 18.81 ug/L m

response 3813

Ion	Exp%	Act%
45.10	100	100
43.10	20.50	55.03#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

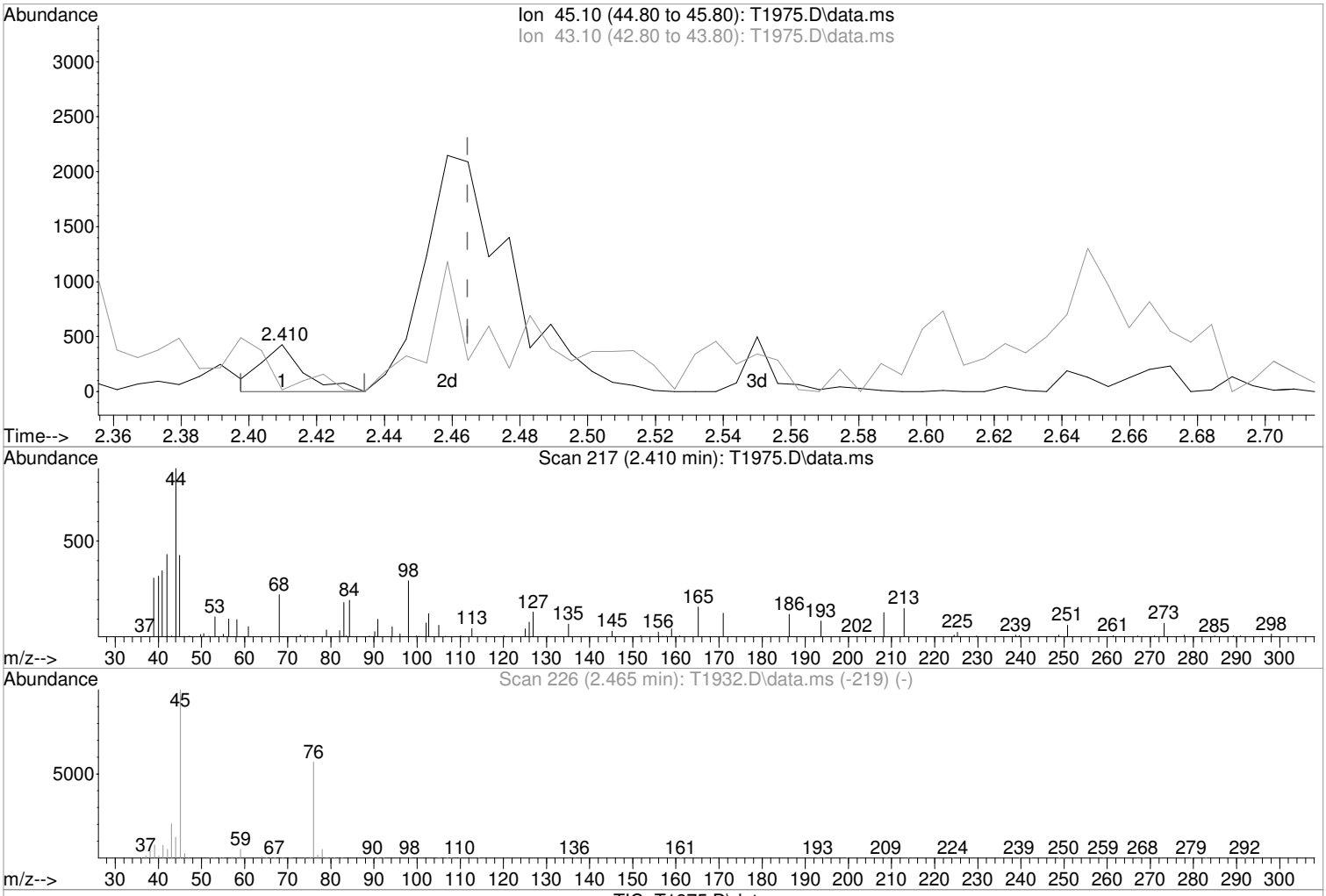
Peak not found.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration



TIC: T1975.D\data.ms

(16) 2-Propanol

2.410min (-0.055) 1.80 ug/L

response 364

Ion	Exp%	Act%
45.10	100	100
43.10	20.50	3.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

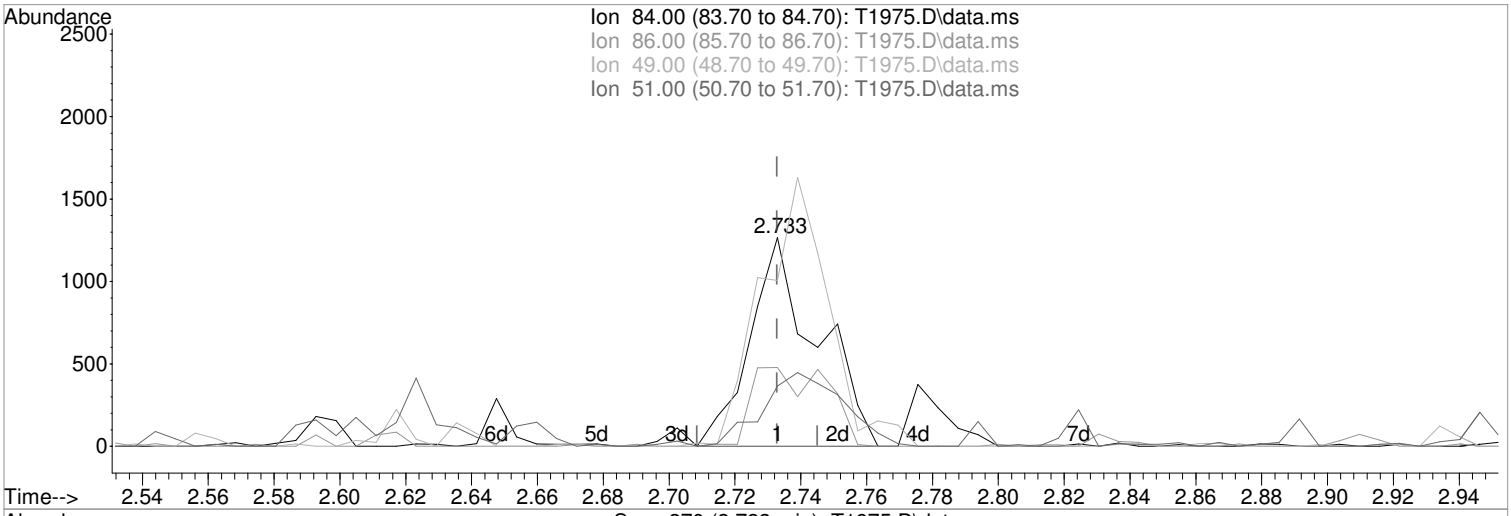
Before

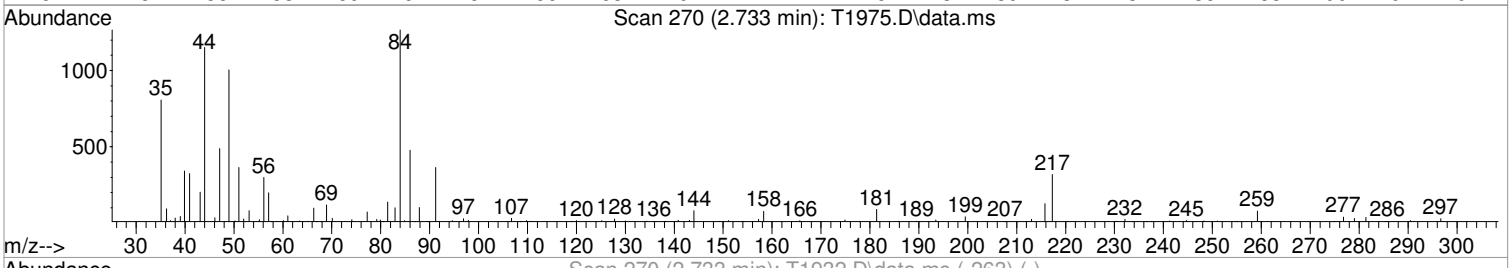
09/17/20

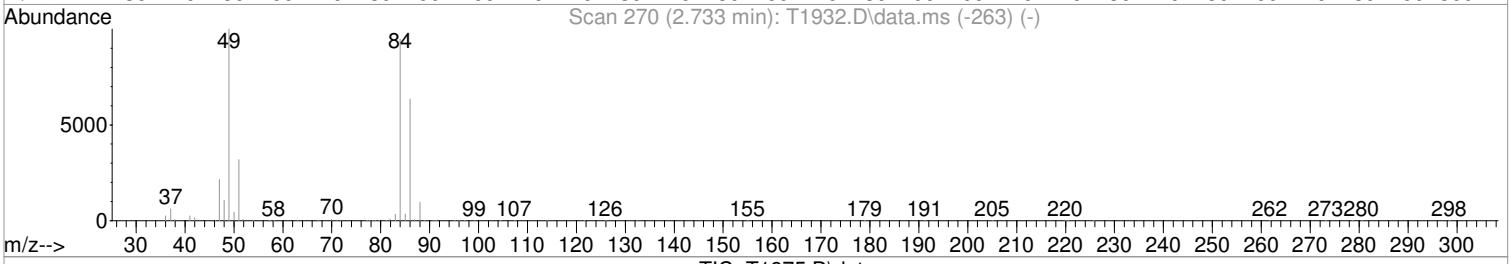
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(22) Methylene Chloride (P)

2.733min (+0.000) 0.74 ug/L m

response 1790

Ion	Exp%	Act%
84.00	100	100
86.00	67.00	37.76#
49.00	105.50	79.38#
51.00	33.60	28.83

Manual Integration:

After

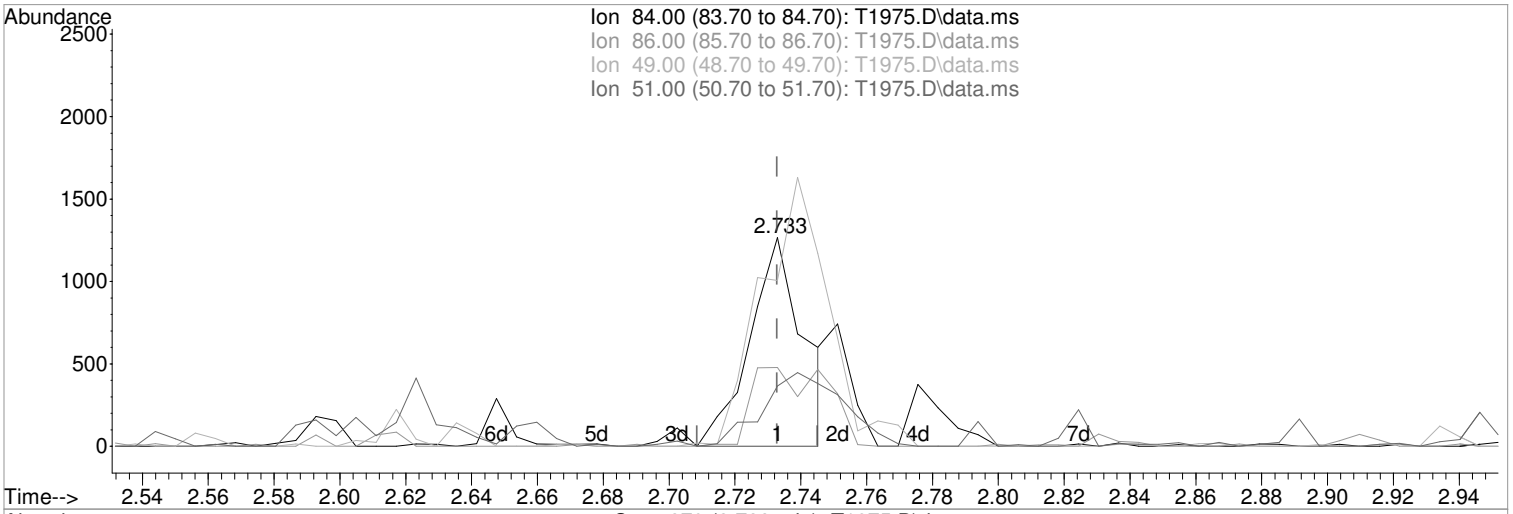
Poor integration.

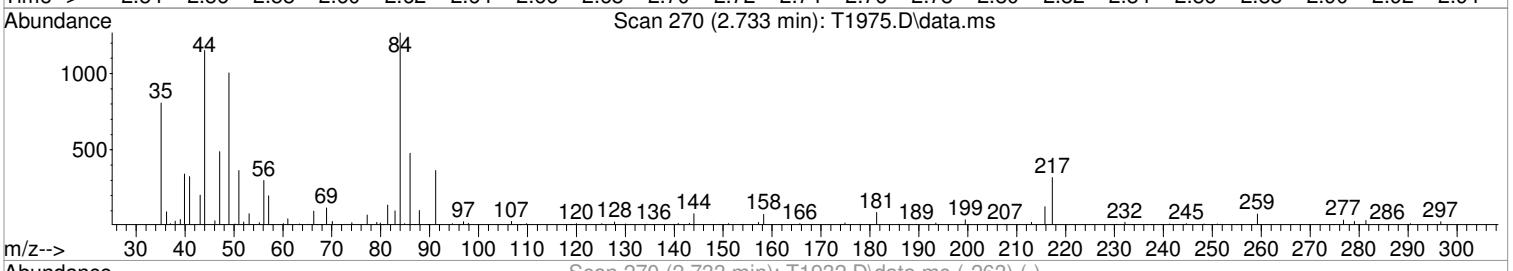
09/17/20

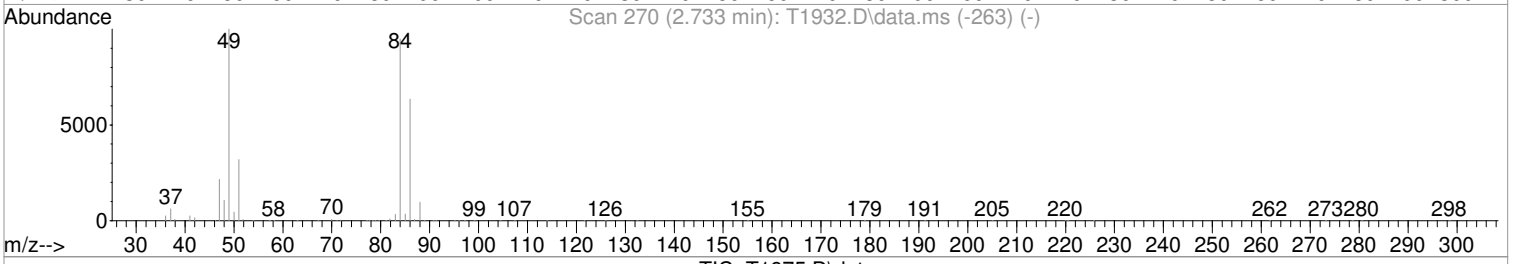
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(22) Methylene Chloride (P)

2.733min (+0.000) 0.59 ug/L

response 1428

Ion	Exp%	Act%
84.00	100	100
86.00	67.00	37.76#
49.00	105.50	79.38#
51.00	33.60	28.83

Manual Integration:

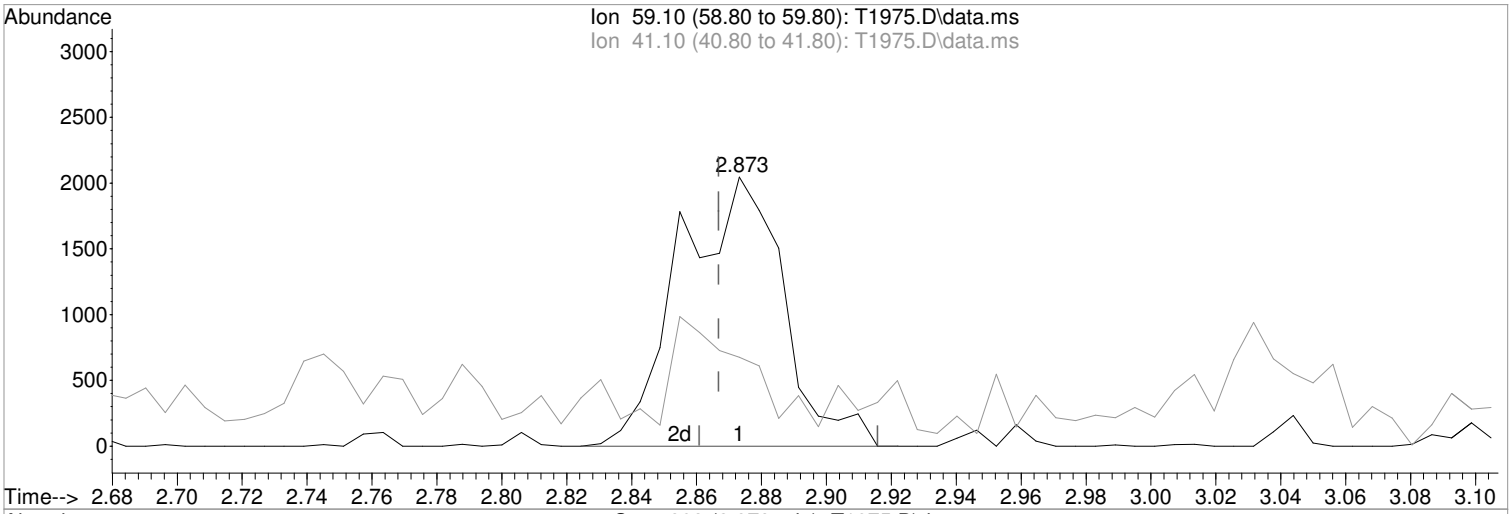
Before

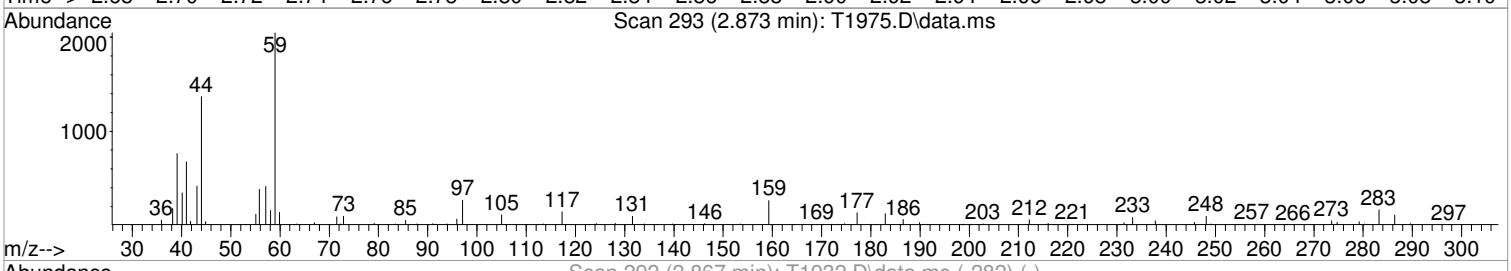
09/17/20

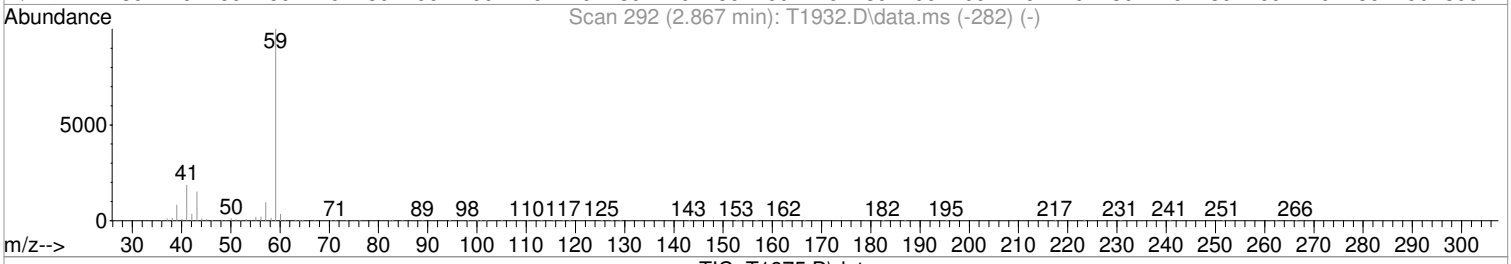
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(23) TBA

2.873min (+0.006) 11.74 ug/L m

response 4524

Ion	Exp%	Act%
59.10	100	100
41.10	18.70	33.01
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

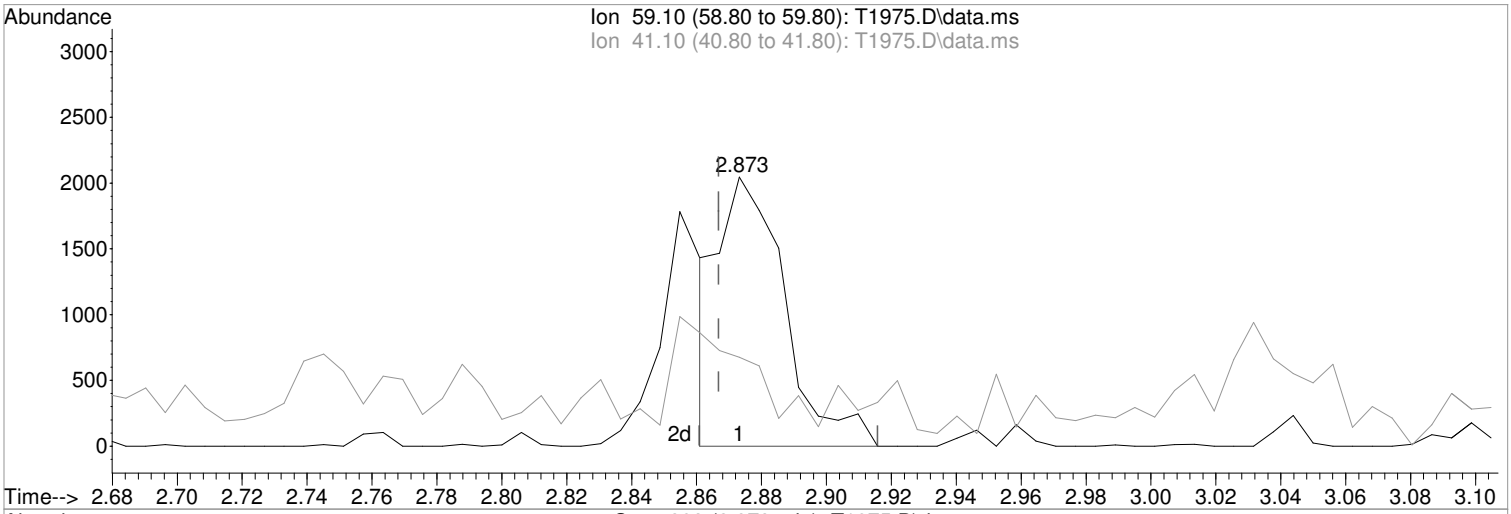
Poor integration.

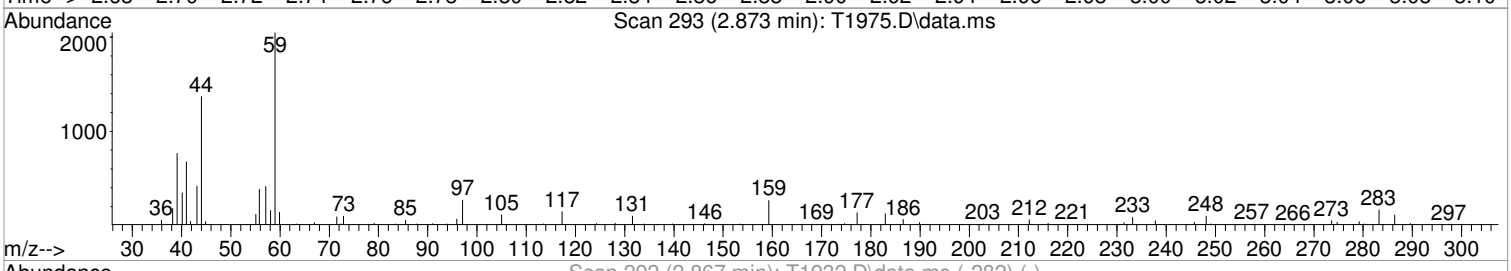
09/17/20

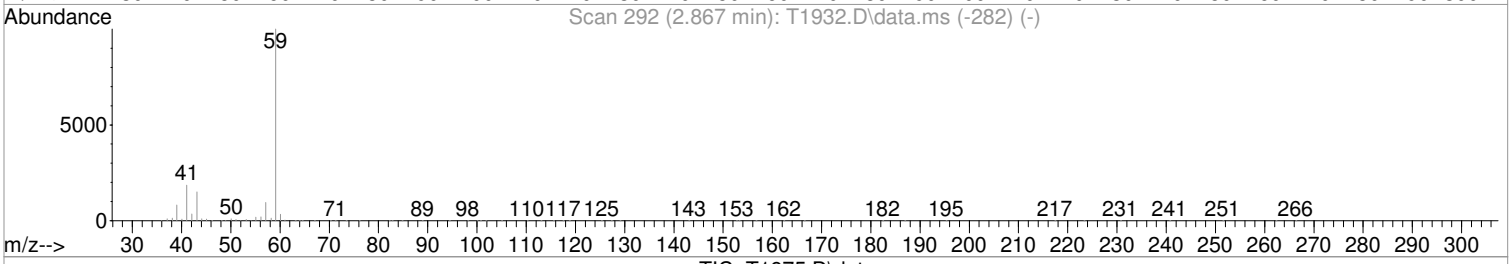
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(23) TBA

2.873min (+0.006) 7.53 ug/L

response 2901

Ion	Exp%	Act%
59.10	100	100
41.10	18.70	35.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

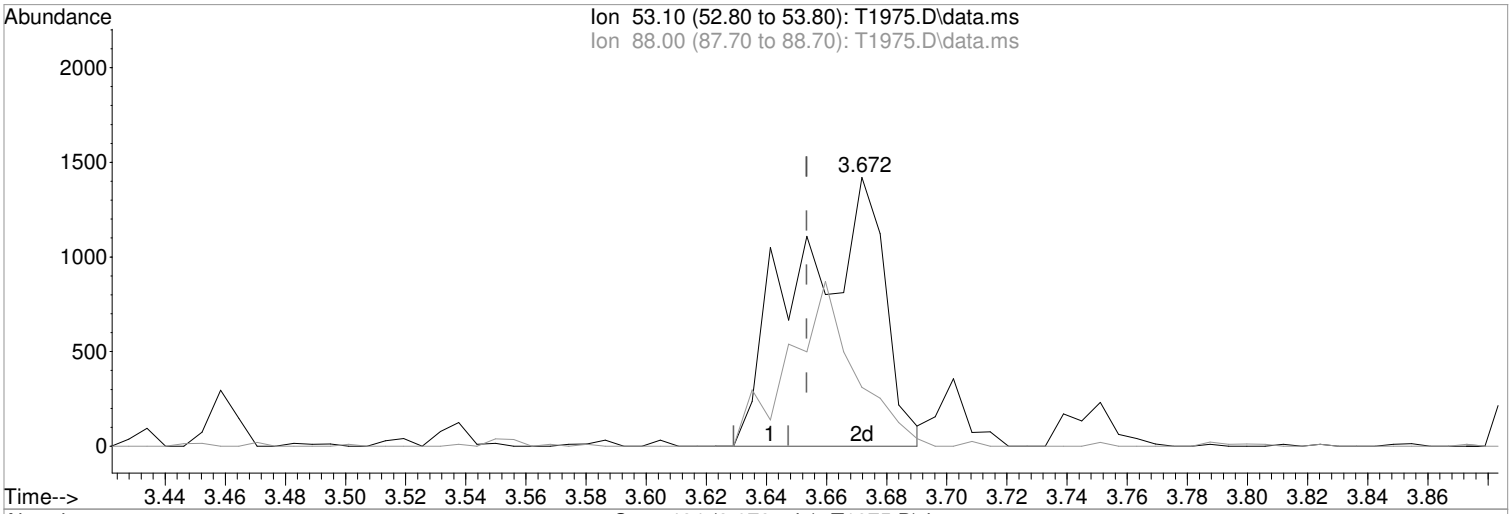
09/17/20

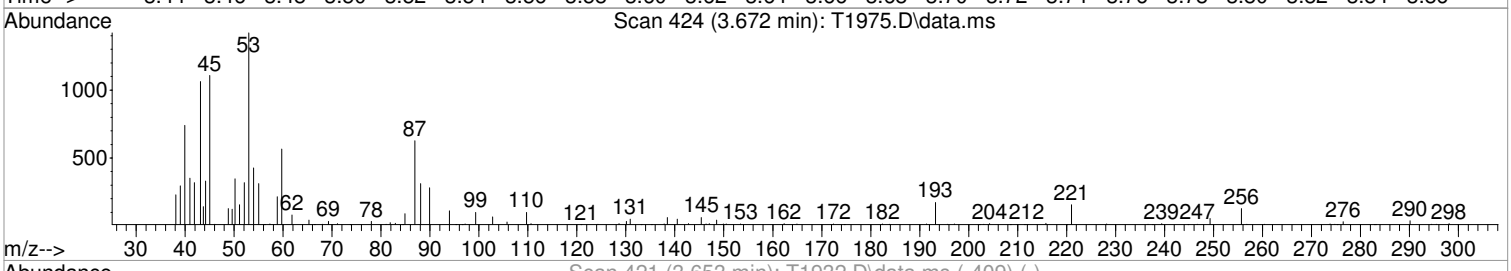
1st FN 09/18/20
2nd 09/19/20

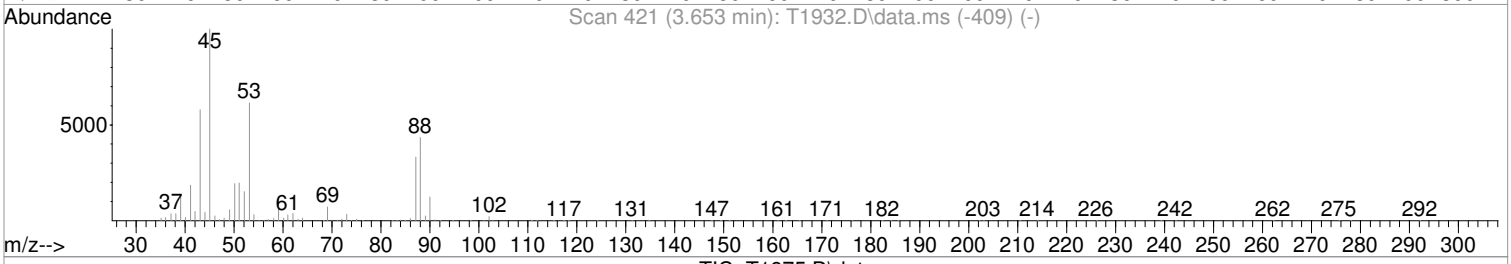
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.672min (+0.018) 0.89 ug/L m

response 2760

Ion	Exp%	Act%
53.10	100	100
88.00	70.60	21.96#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

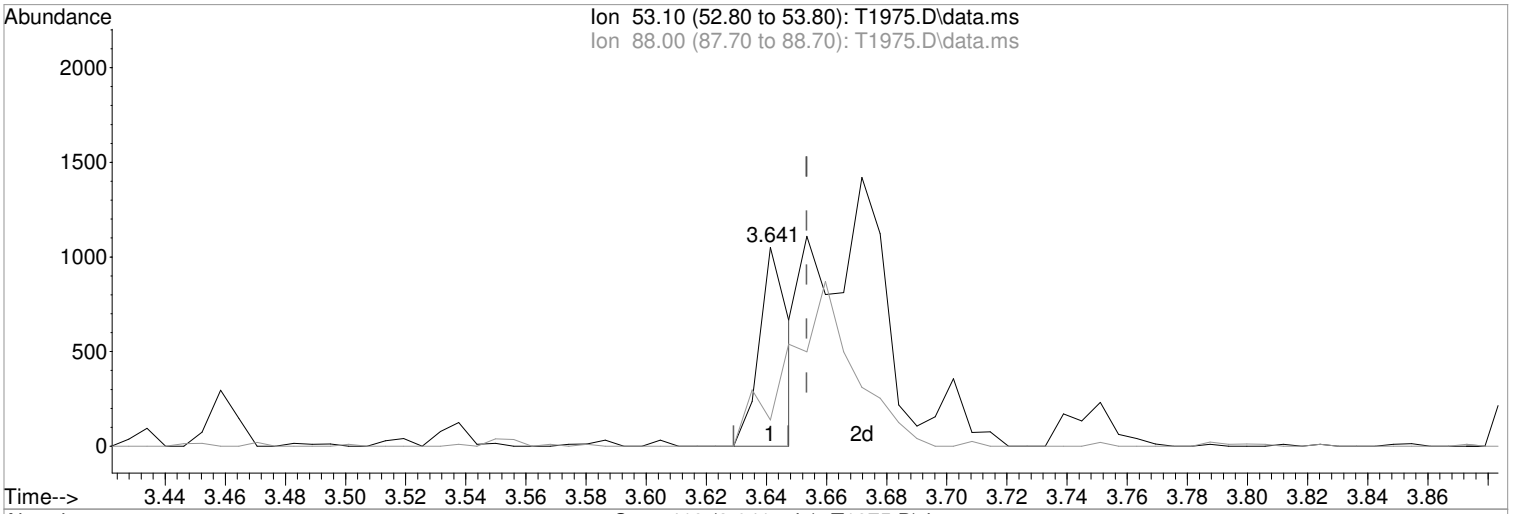
Poor integration.

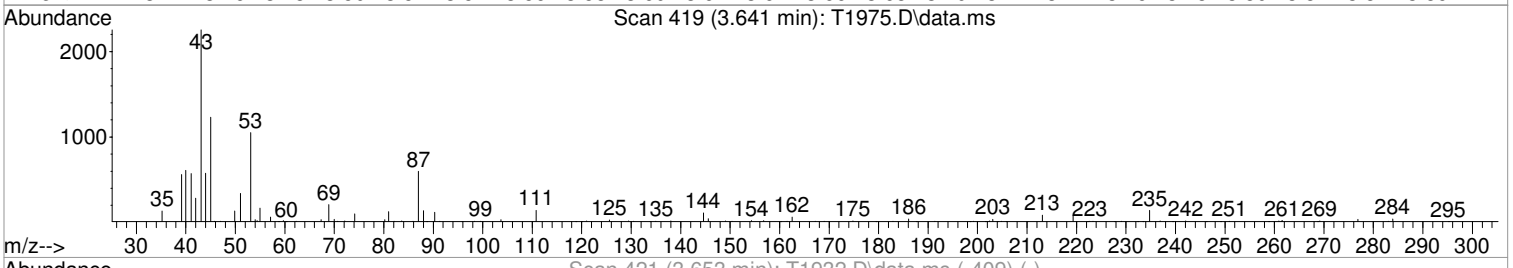
09/17/20

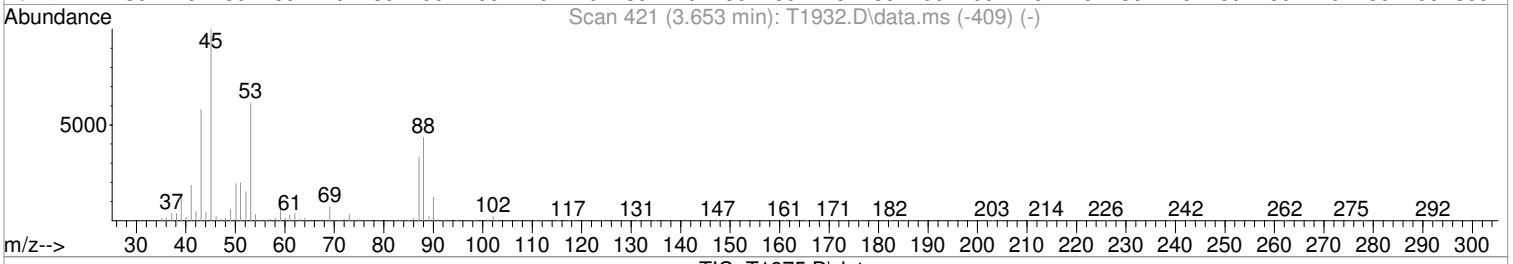
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.641min (-0.012) 0.23 ug/L

response 714

Ion	Exp%	Act%
53.10	100	100
88.00	70.60	14.19#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

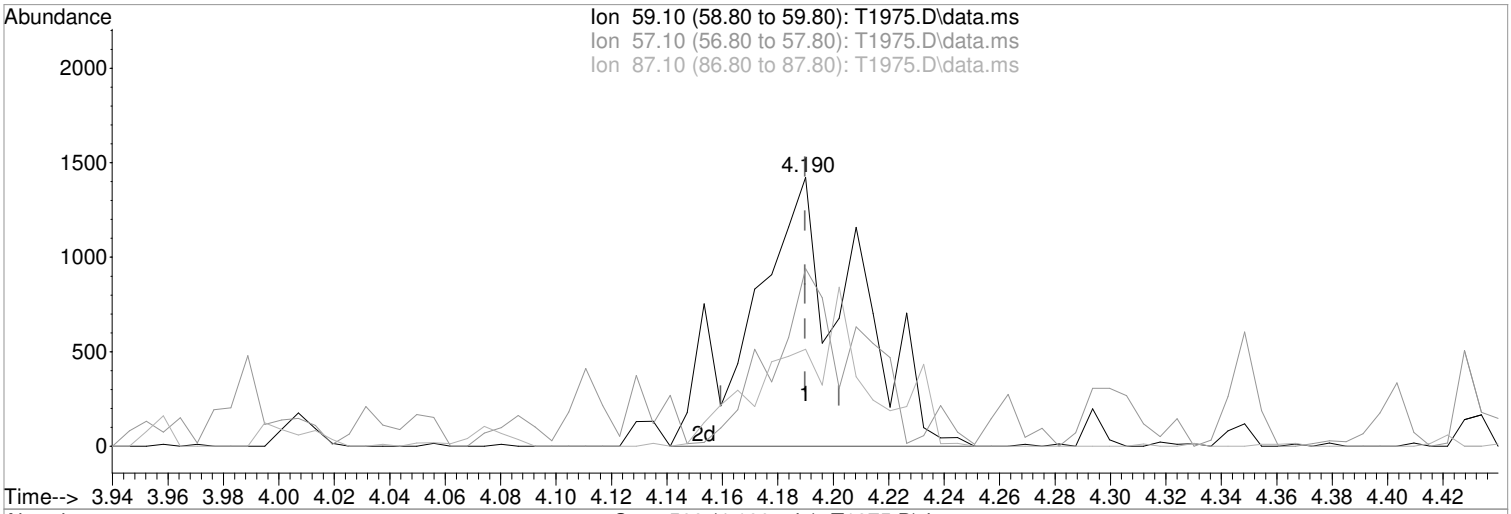
Before

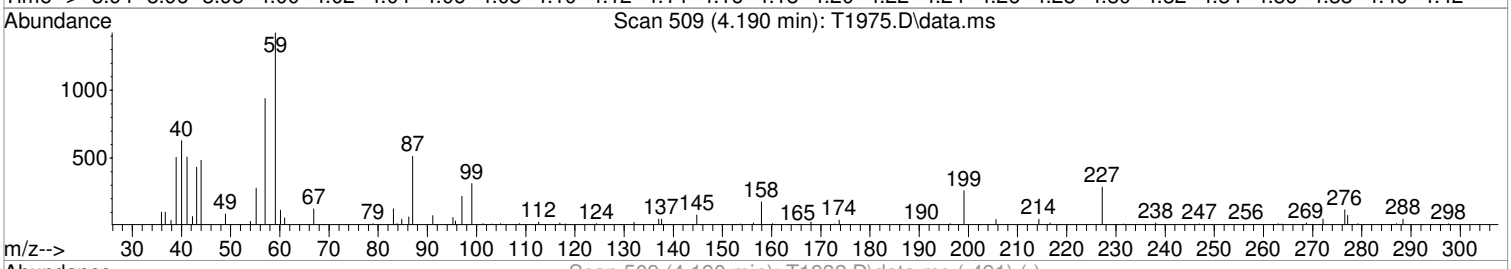
09/17/20

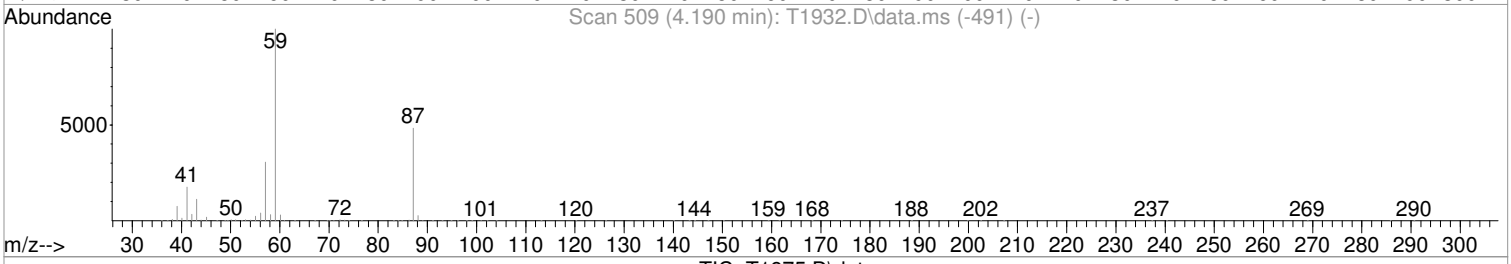
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(31) ETBE

4.190min (+0.000) 0.57 ug/L m

response 3690

Ion	Exp%	Act%
59.10	100	100
57.10	30.60	66.06#
87.10	48.20	36.05
0.00	0.00	0.00

Manual Integration:

After

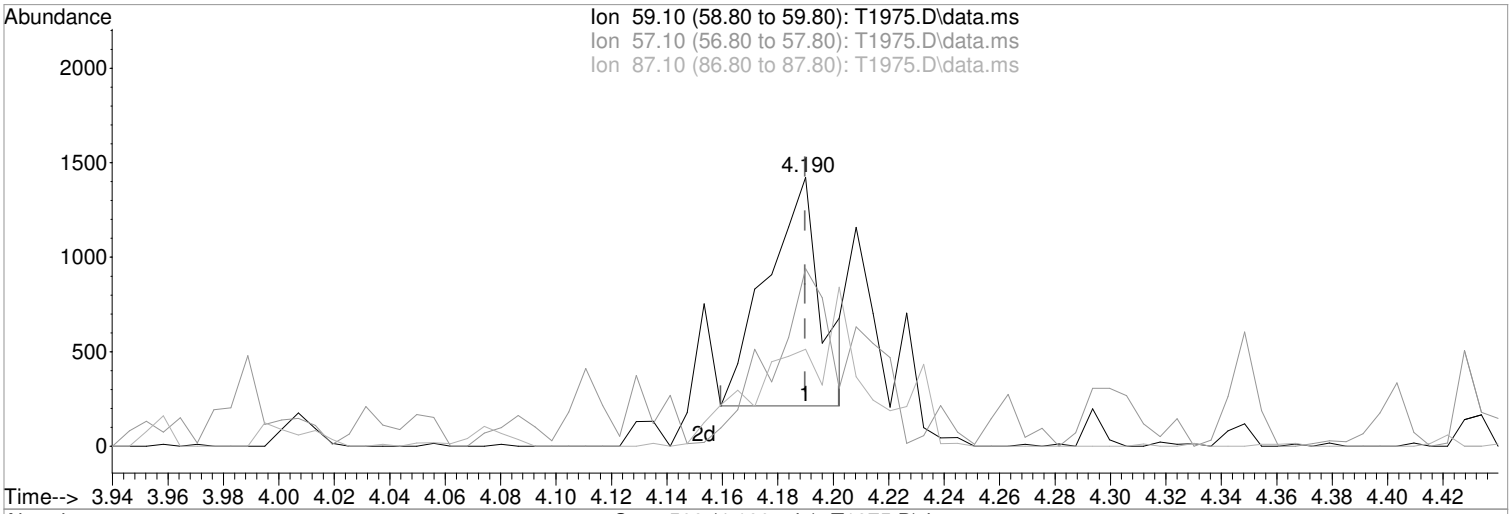
Poor integration.

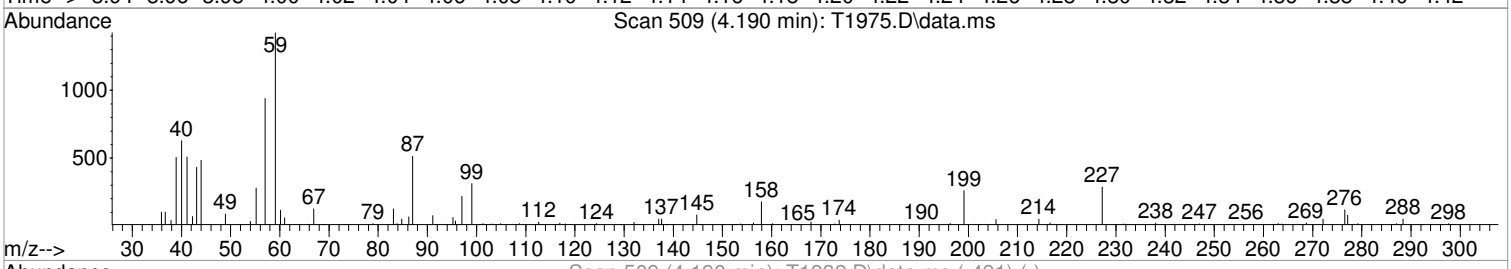
09/17/20

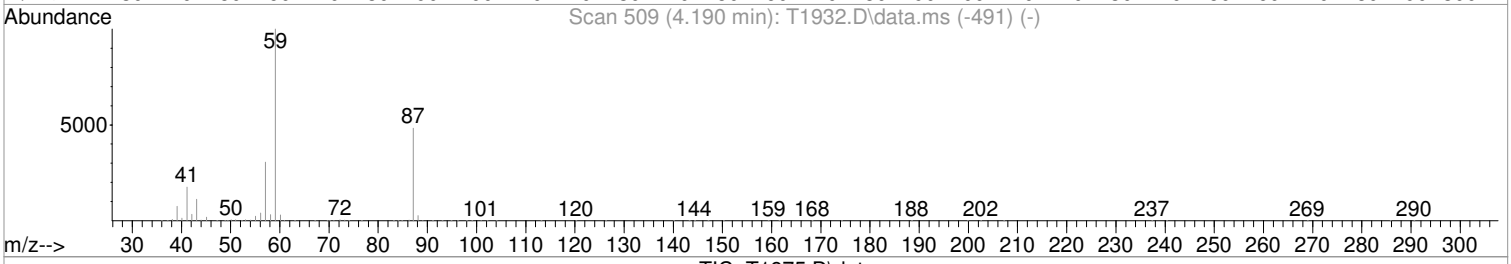
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(31) ETBE

4.190min (+0.000) 0.25 ug/L

response 1643

Ion	Exp%	Act%
59.10	100	100
57.10	30.60	66.06#
87.10	48.20	36.05
0.00	0.00	0.00

Manual Integration:

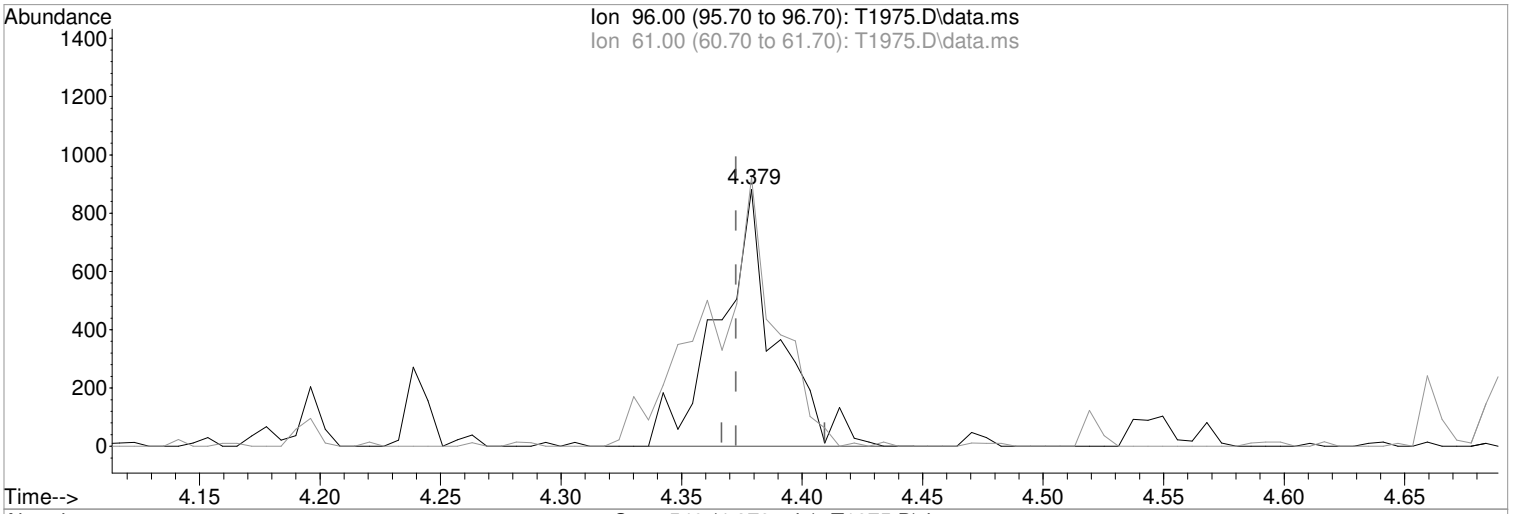
Before

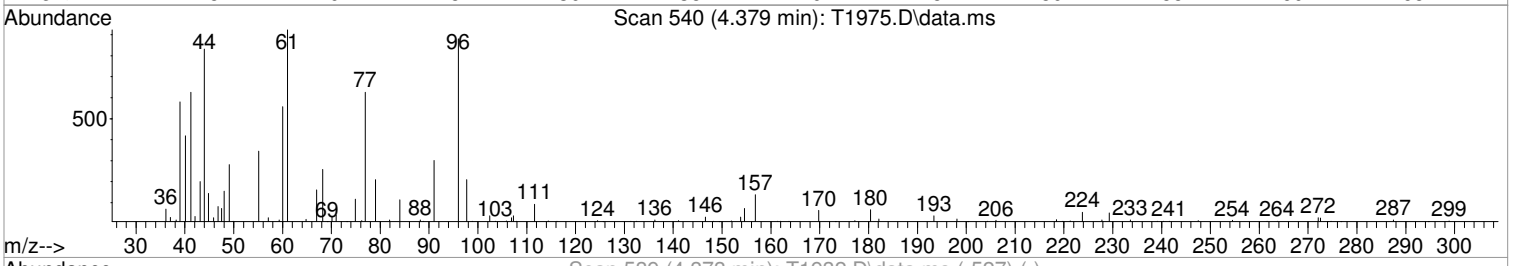
09/17/20

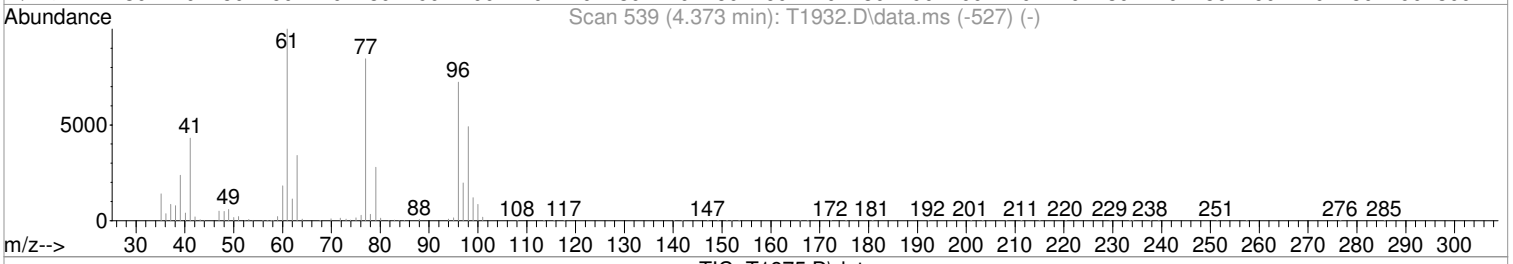
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

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

4.379min (+0.006) 0.60 ug/L m

response 1464

Ion	Exp%	Act%
96.00	100	100
61.00	138.40	104.77#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

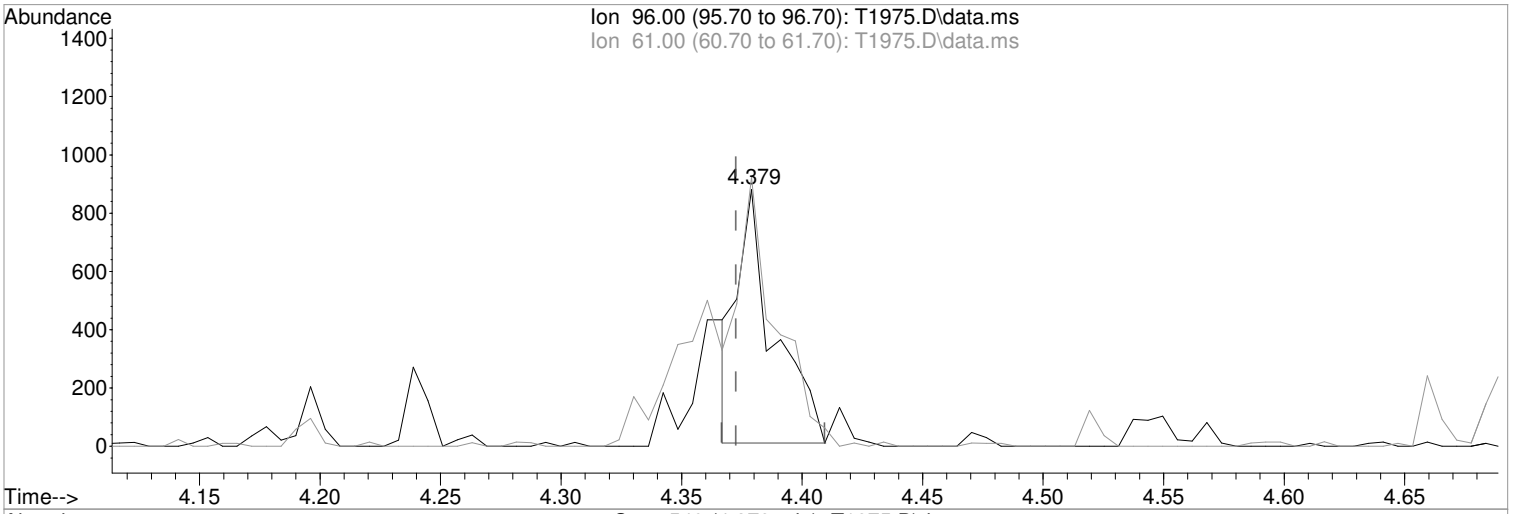
Poor integration.

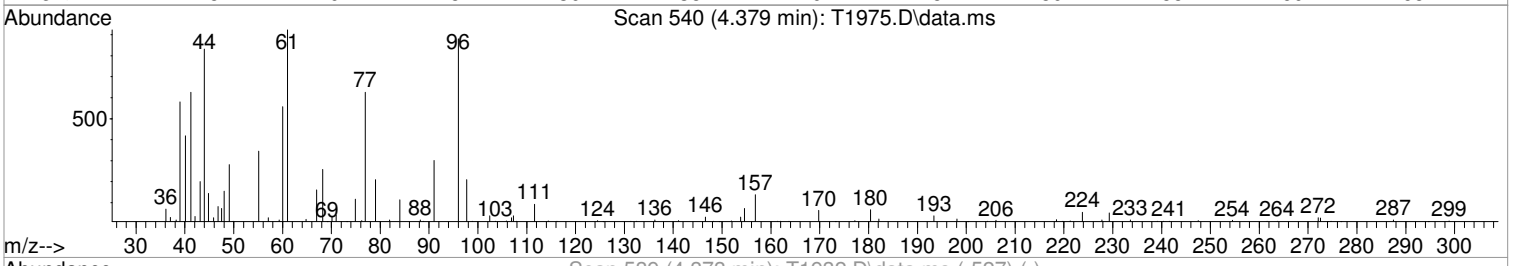
09/17/20

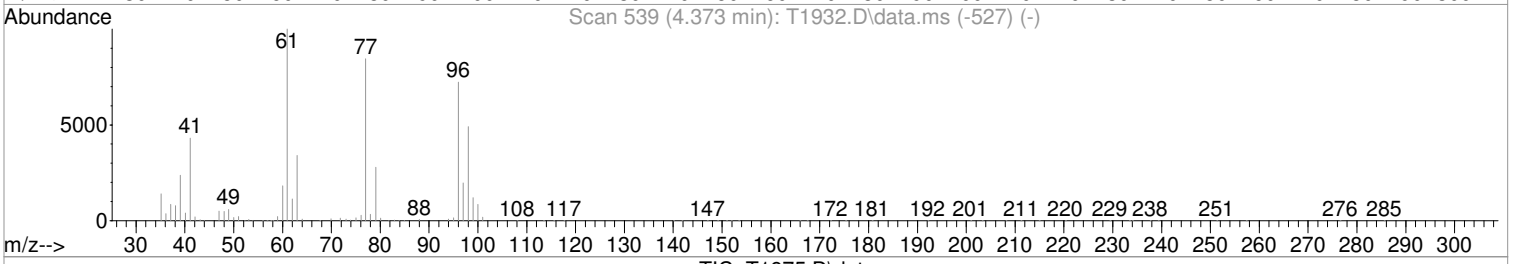
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

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

4.379min (+0.006) 0.37 ug/L

response 912

Ion	Exp%	Act%
96.00	100	100
61.00	138.40	104.77#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

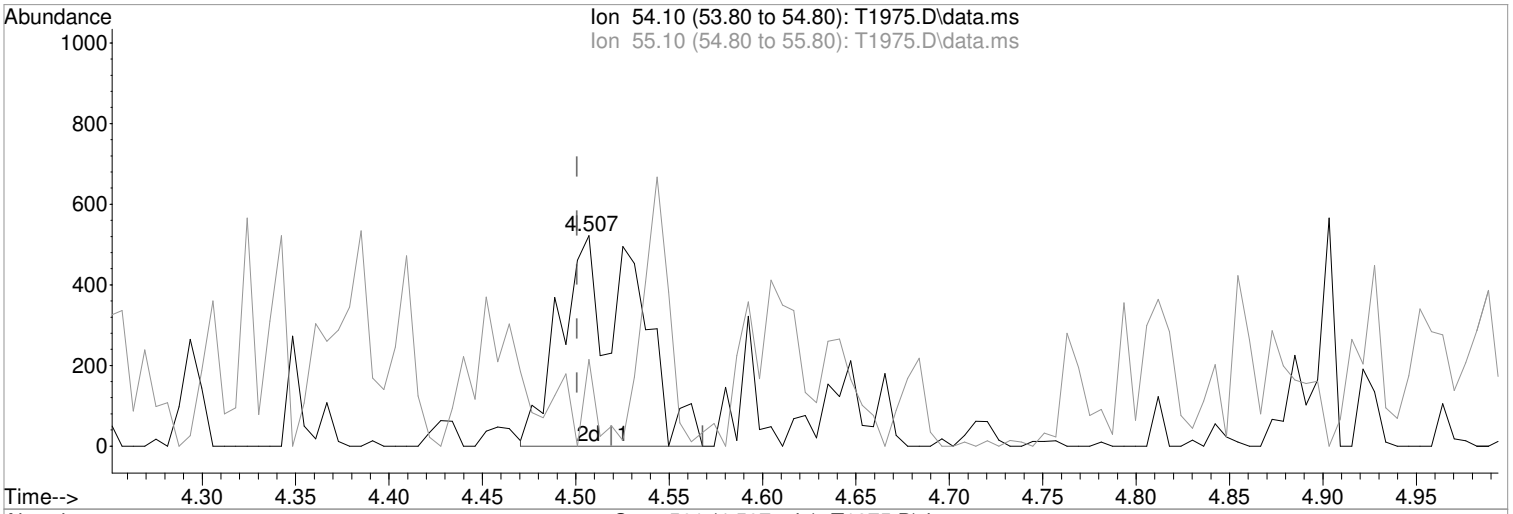
Before

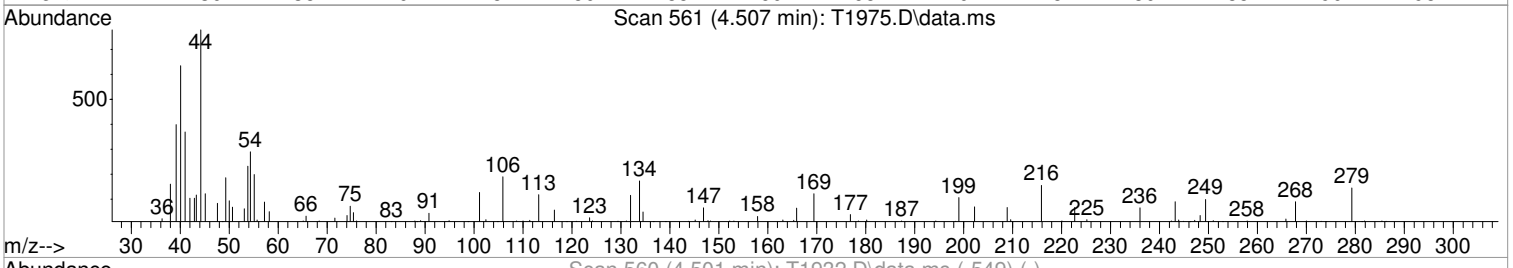
09/17/20

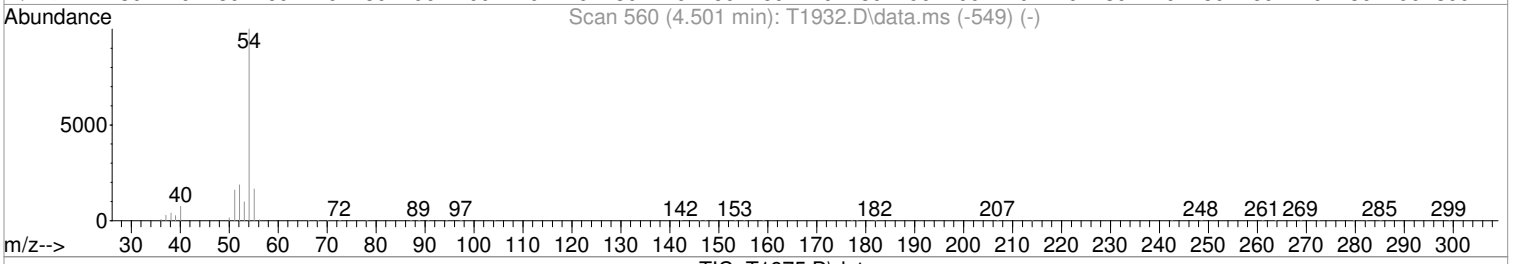
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(35) Propionitrile

4.507min (+0.006) 3.45 ug/L m

response 1451

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	68.28#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

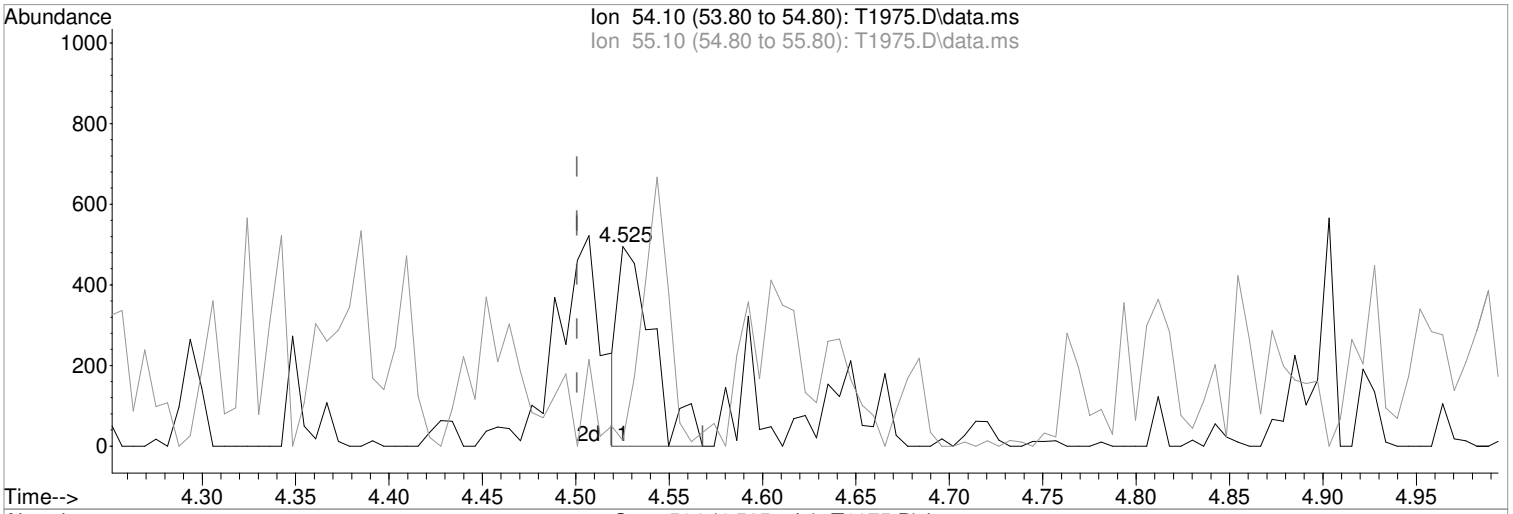
Peak not found.

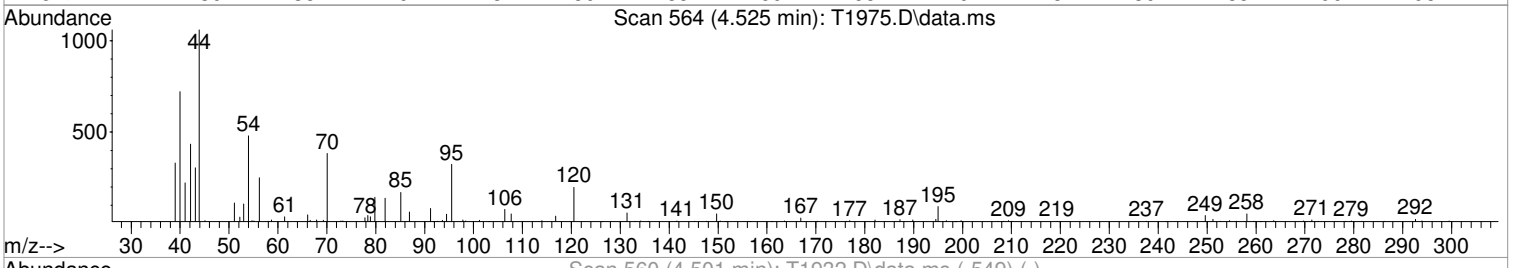
09/17/20

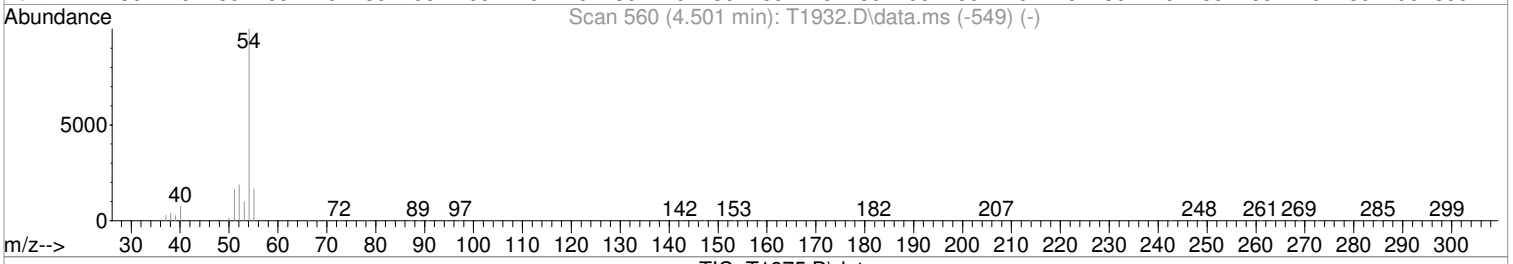
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(35) Propionitrile

4.525min (+0.024) 1.50 ug/L

response 631

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	2.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

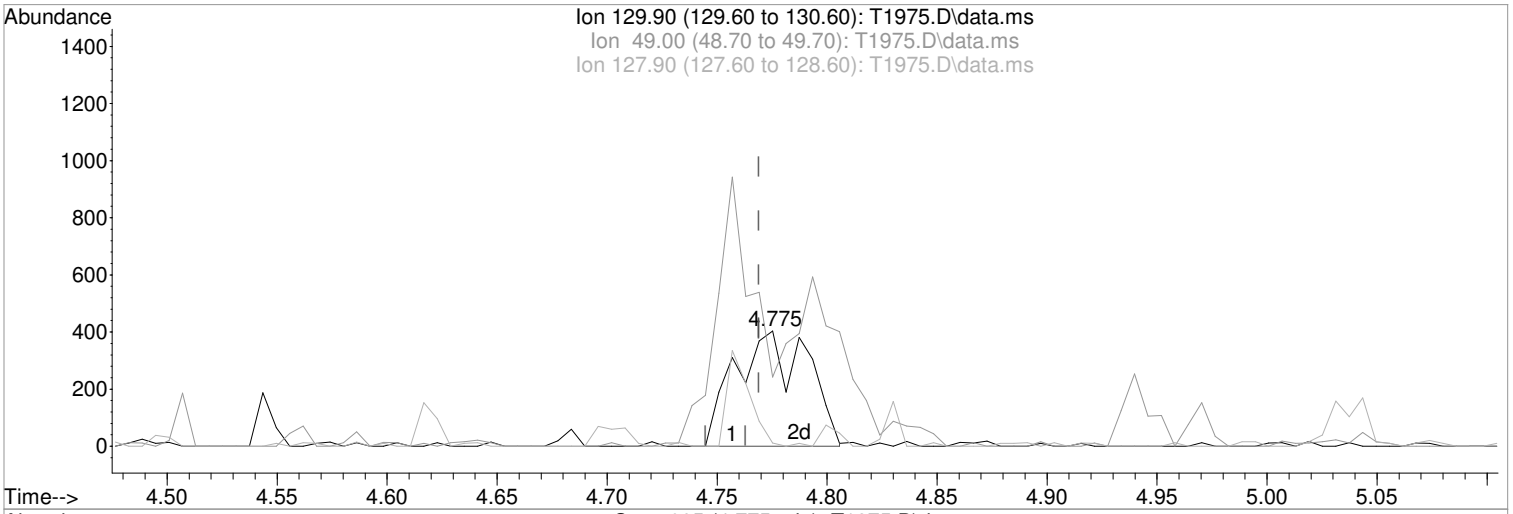
Before

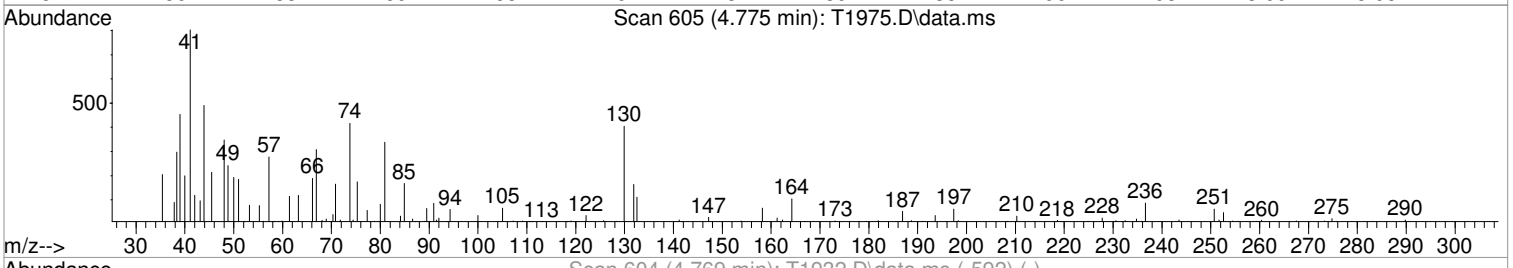
09/17/20

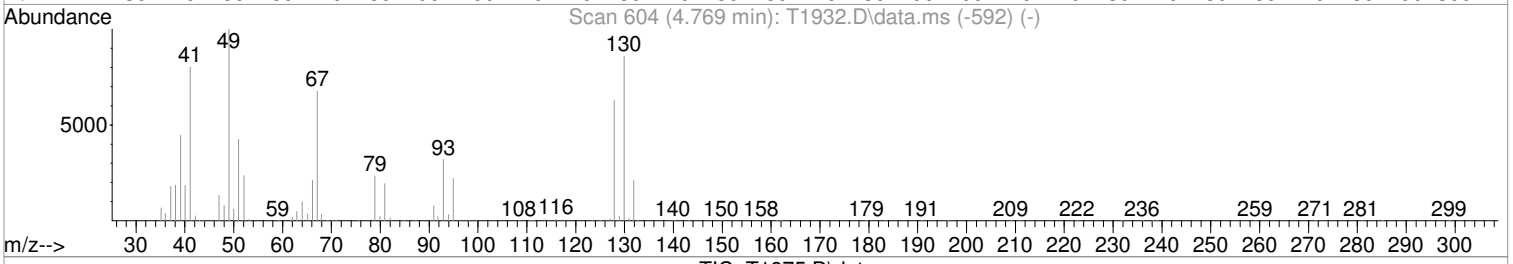
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(36) Bromochloromethane

4.775min (+0.006) 0.61 ug/L m

response 923

Ion	Exp%	Act%
129.90	100	100
49.00	116.60	59.90#
127.90	73.10	2.72#
0.00	0.00	0.00

Manual Integration:

After

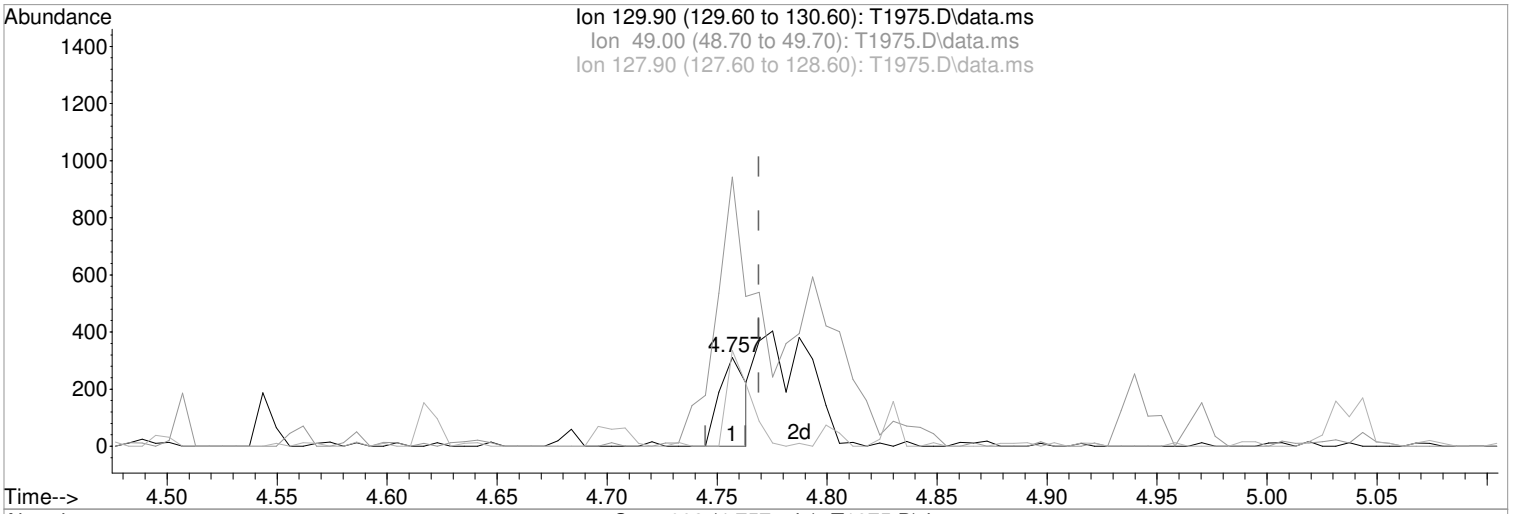
Poor integration.

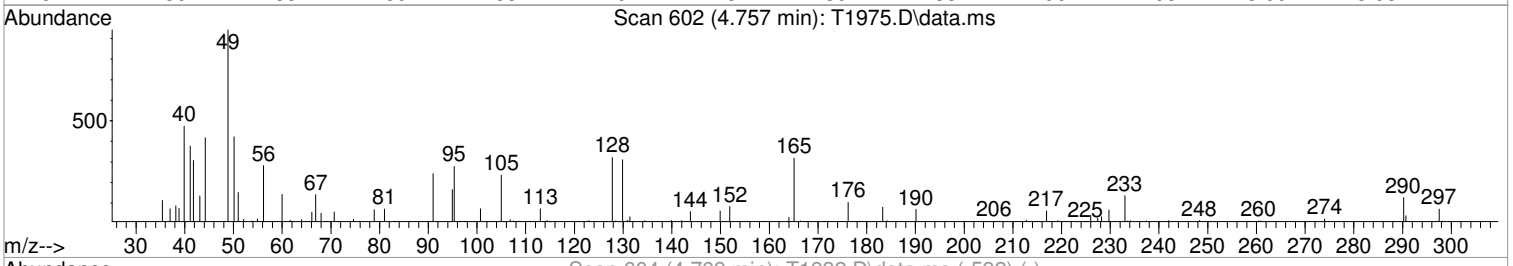
09/17/20

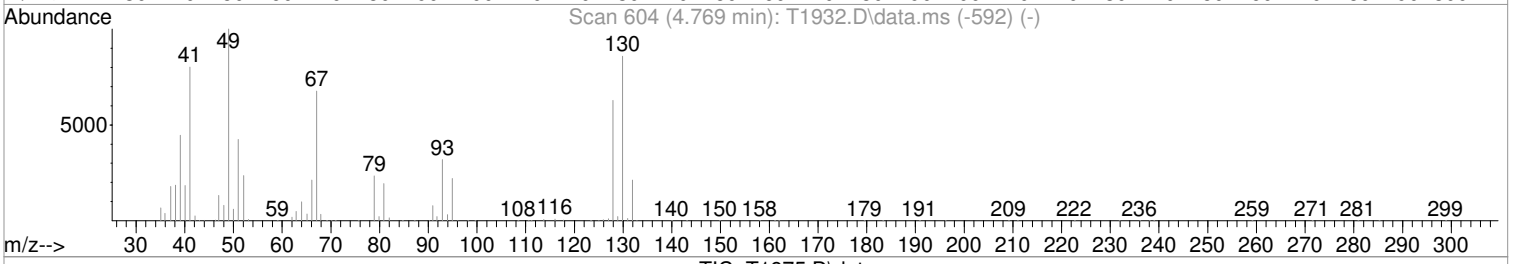
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(36) Bromochloromethane

4.757min (-0.012) 0.17 ug/L

response 264

Ion	Exp%	Act%
129.90	100	100
49.00	116.60	302.89#
127.90	73.10	107.72#
0.00	0.00	0.00

Manual Integration:

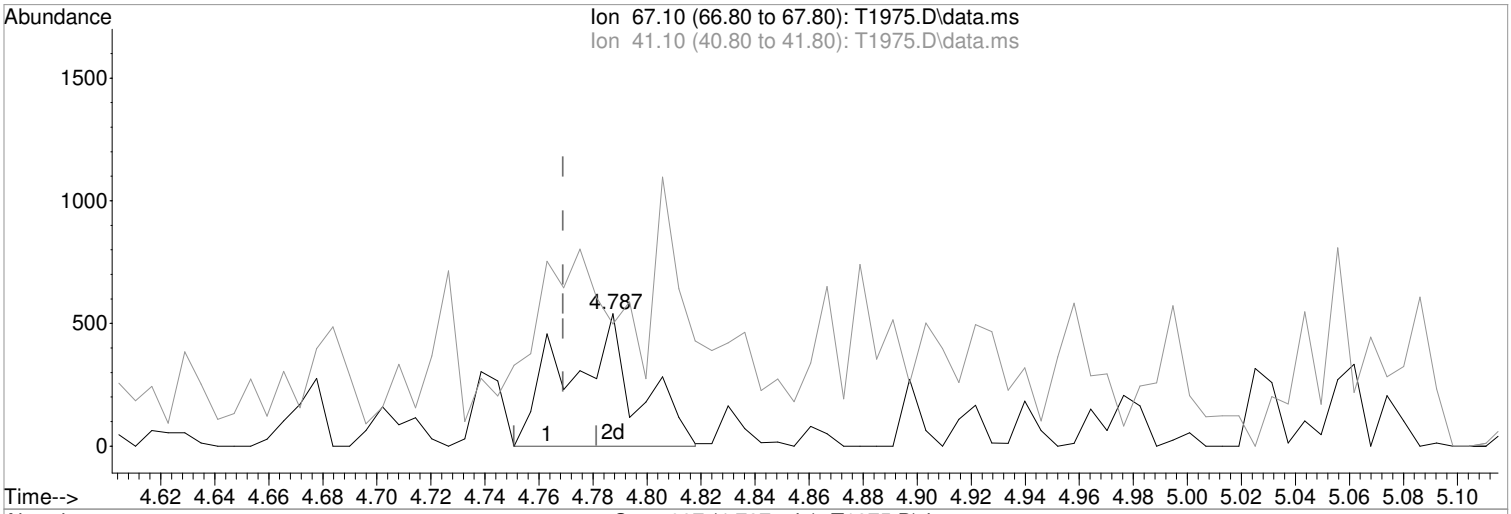
Before

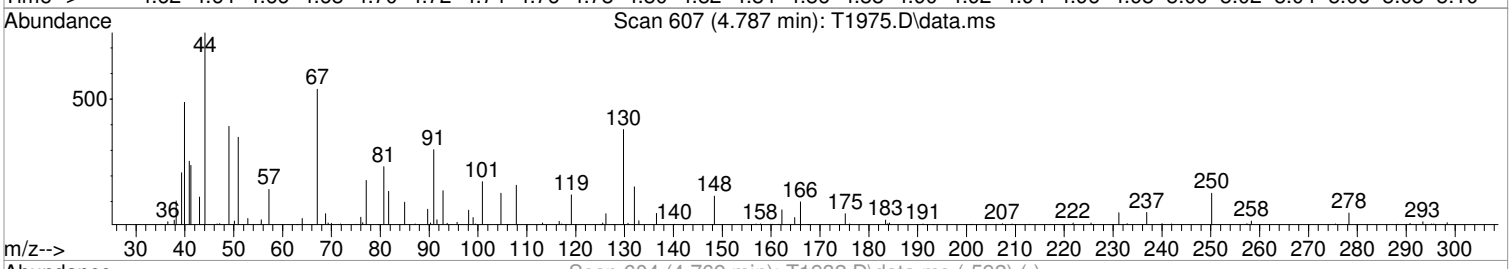
09/17/20

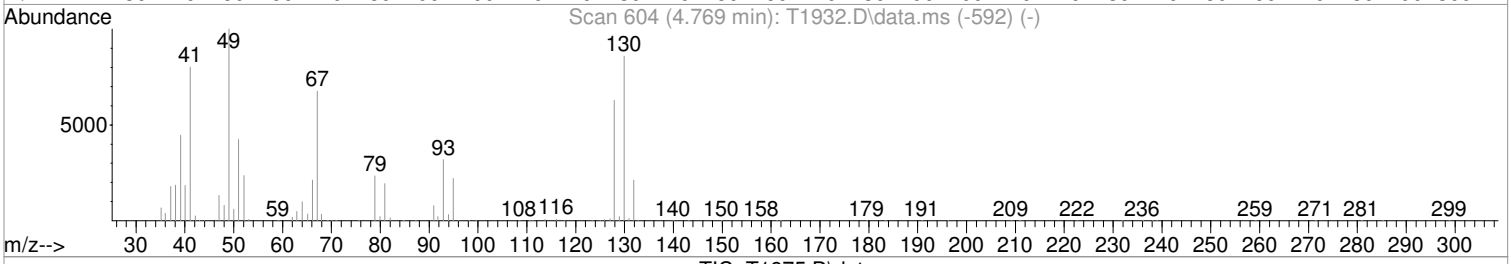
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(37) Methacrylonitrile

4.787min (+0.018) 0.79 ug/L m

response 971

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	47.68#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

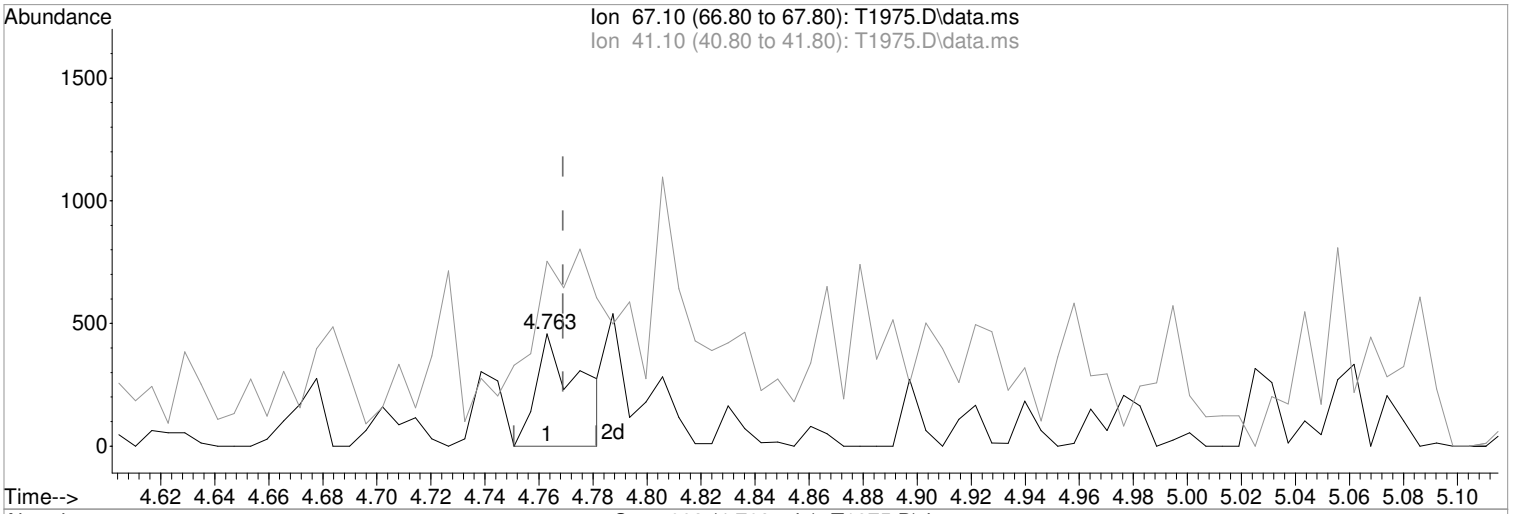
09/17/20

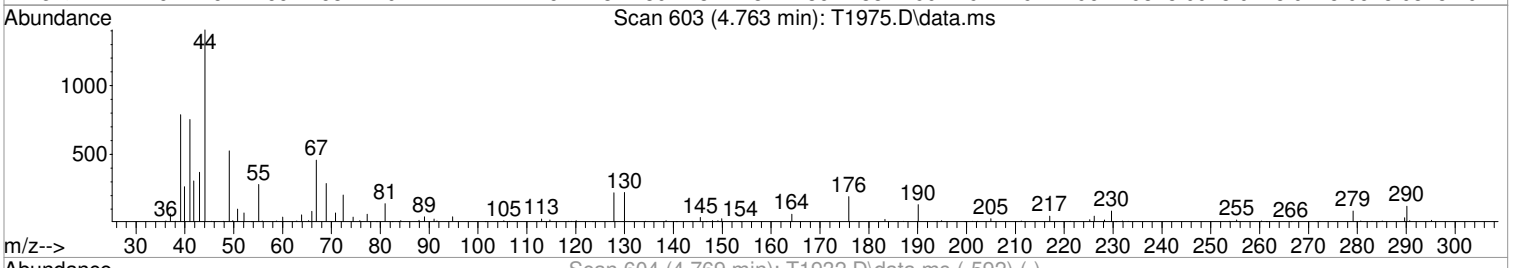
1st FW 09/18/20
2nd WR 09/19/20

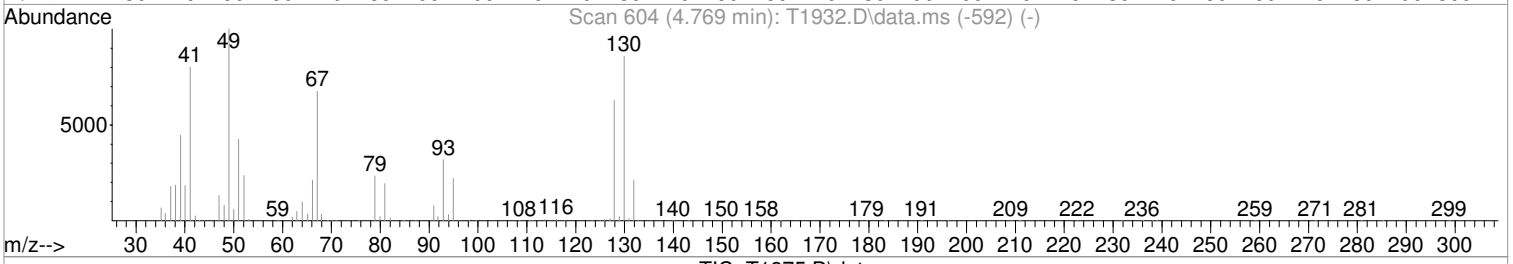
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(37) Methacrylonitrile

4.763min (-0.006) 0.42 ug/L

response 516

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	231.73#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

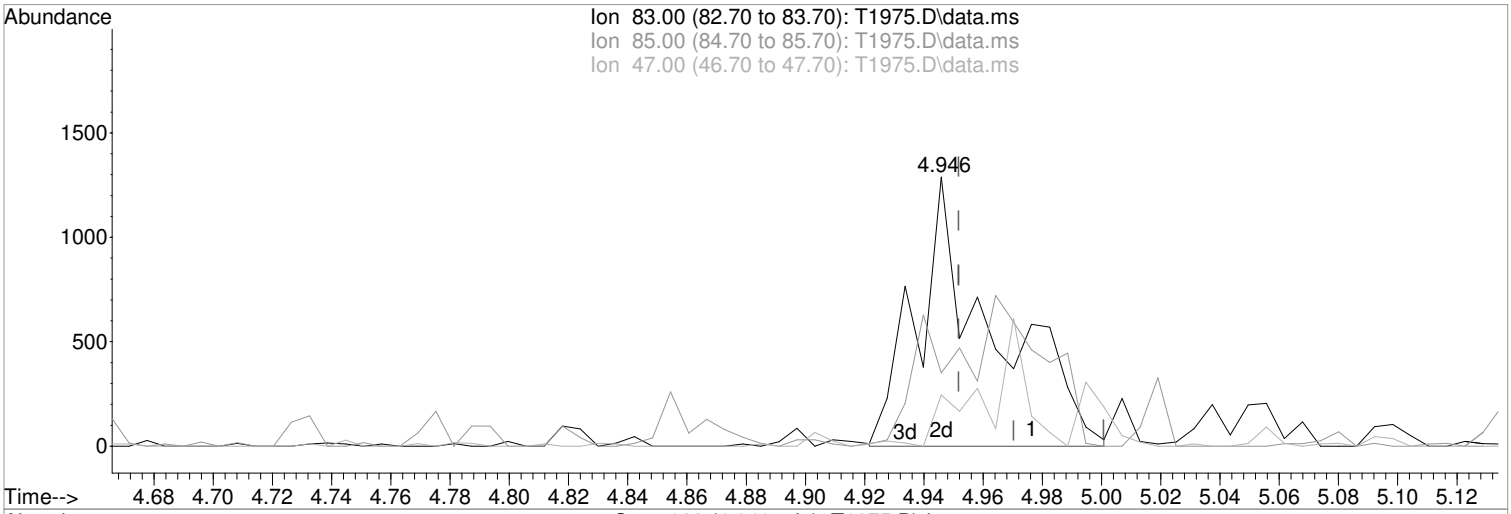
Before

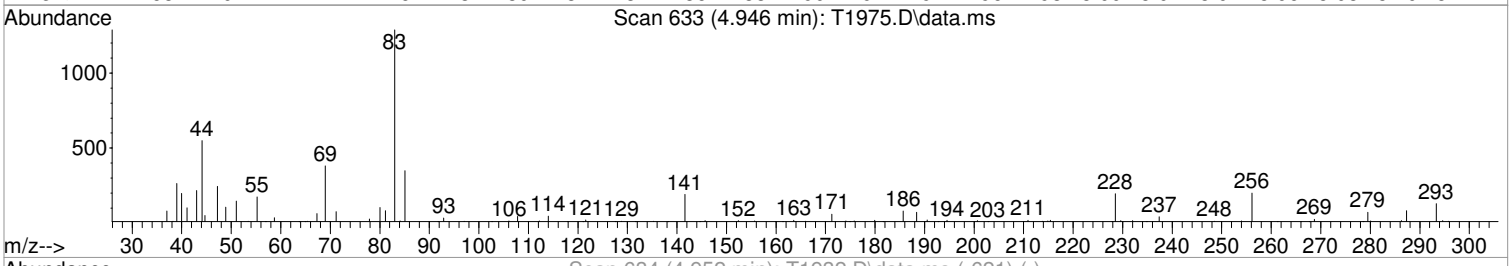
09/17/20

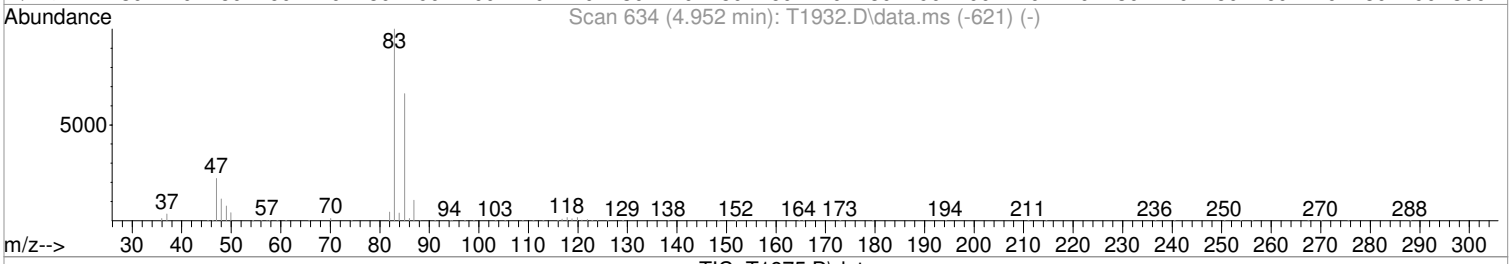
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(39) Chloroform (P)

4.946min (-0.006) 0.55 ug/L m

response 2297

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	27.17#
47.00	22.10	19.02
0.00	0.00	0.00

Manual Integration:

After

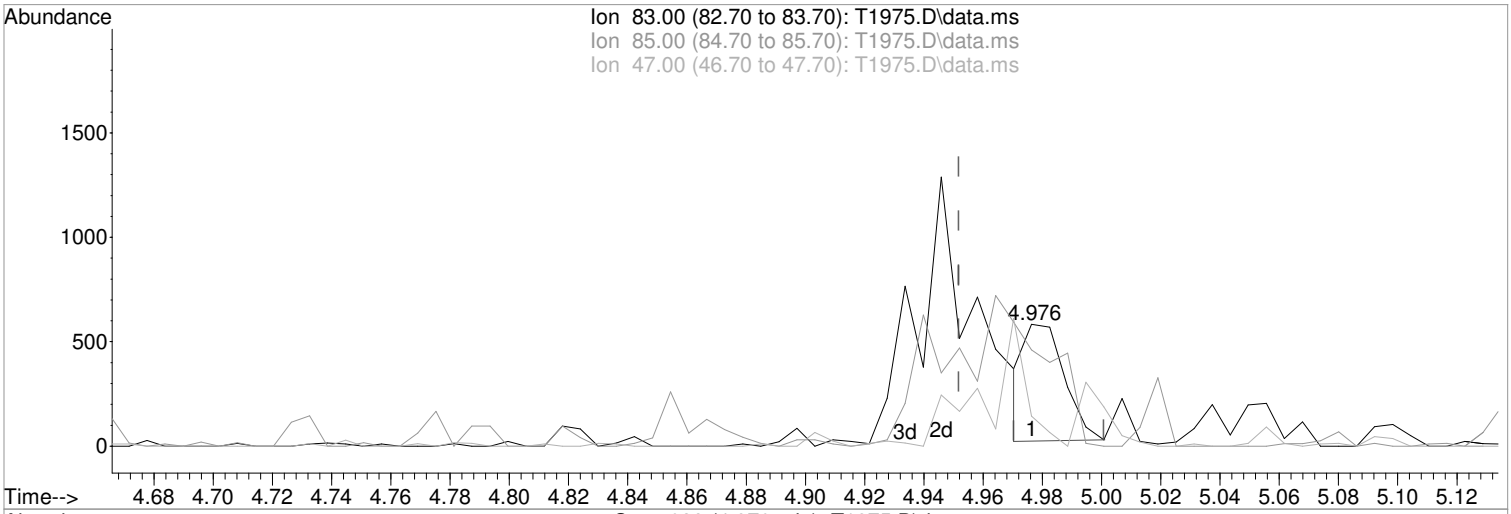
Poor integration.

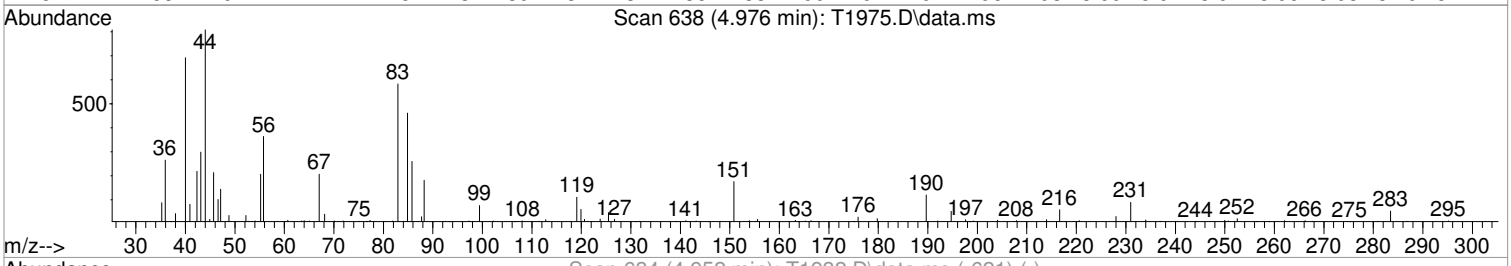
09/17/20

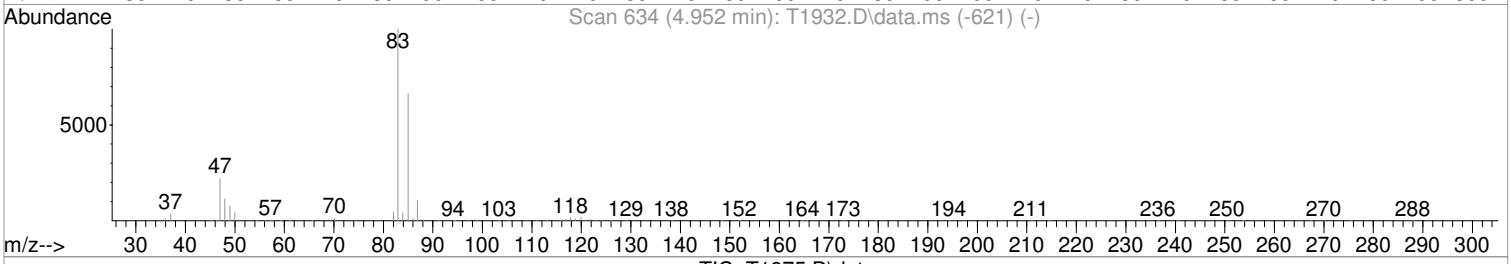
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(39) Chloroform (P)

4.976min (+0.025) 0.12 ug/L

response 520

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	79.07
47.00	22.10	24.70
0.00	0.00	0.00

Manual Integration:

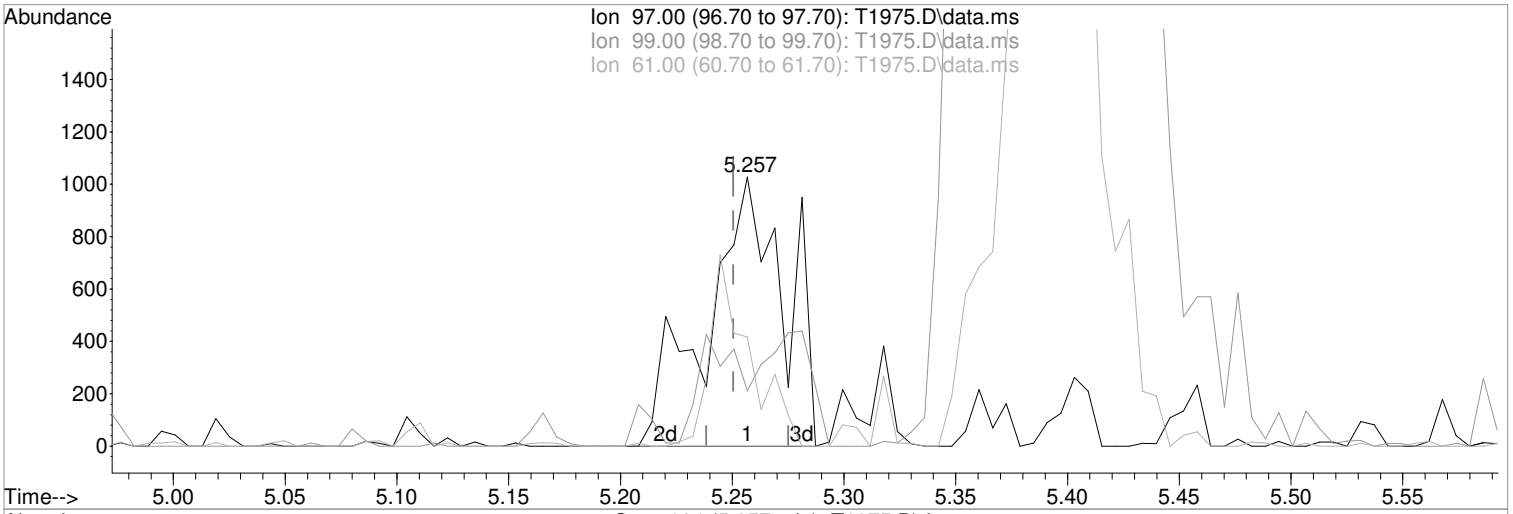
Before

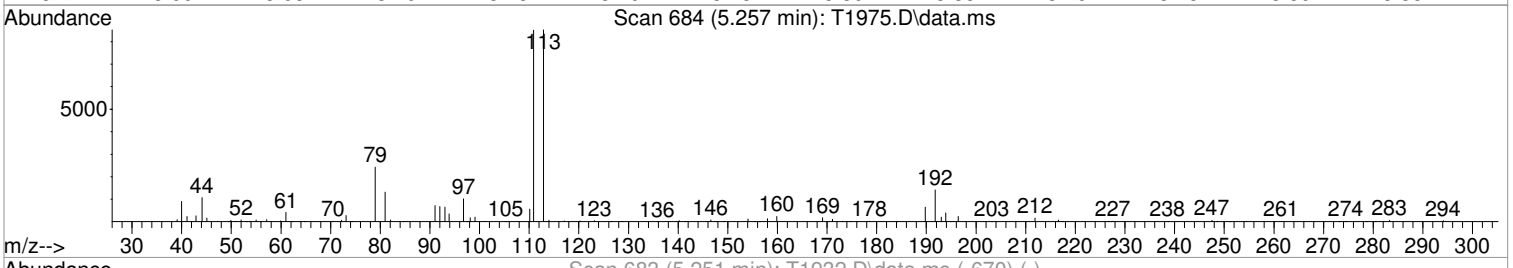
09/17/20

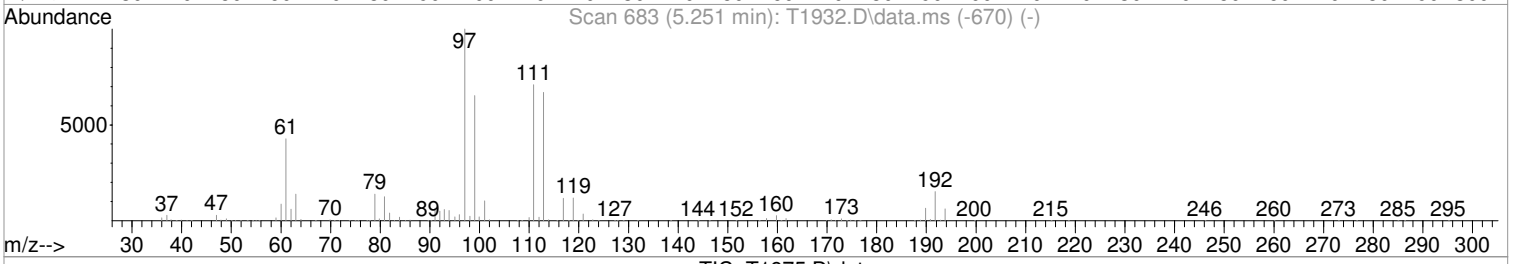
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

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

5.257min (+0.006) 0.67 ug/L m

response 2471

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	20.77#
61.00	42.70	40.94
0.00	0.00	0.00

Manual Integration:

After

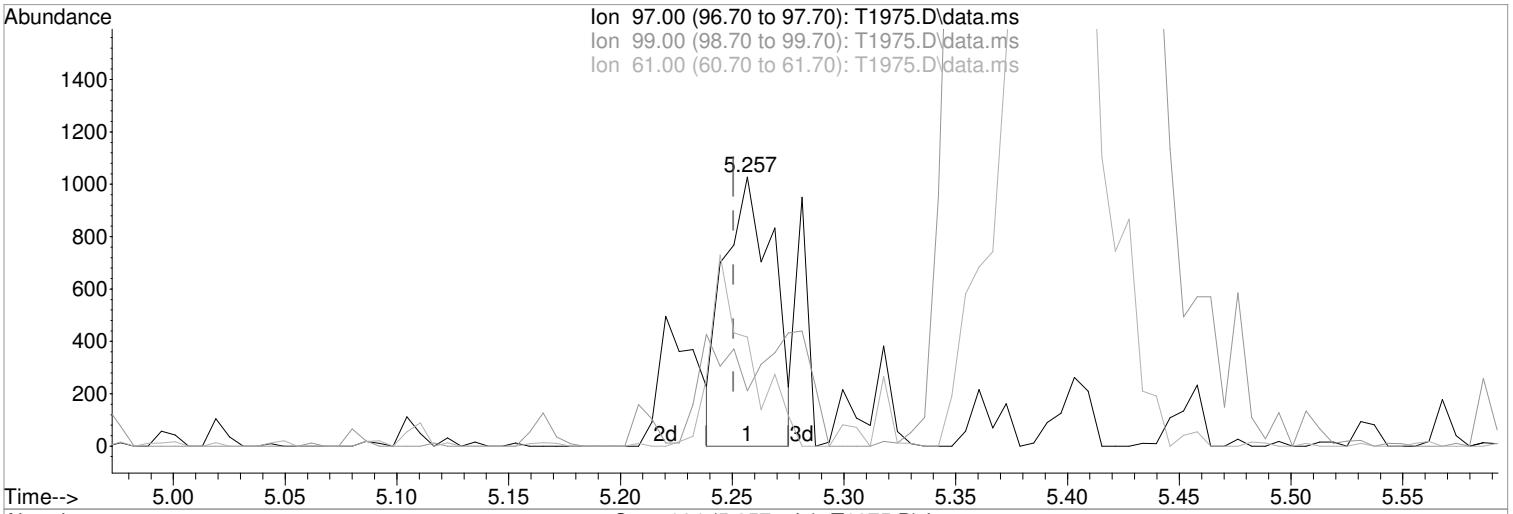
Poor integration.

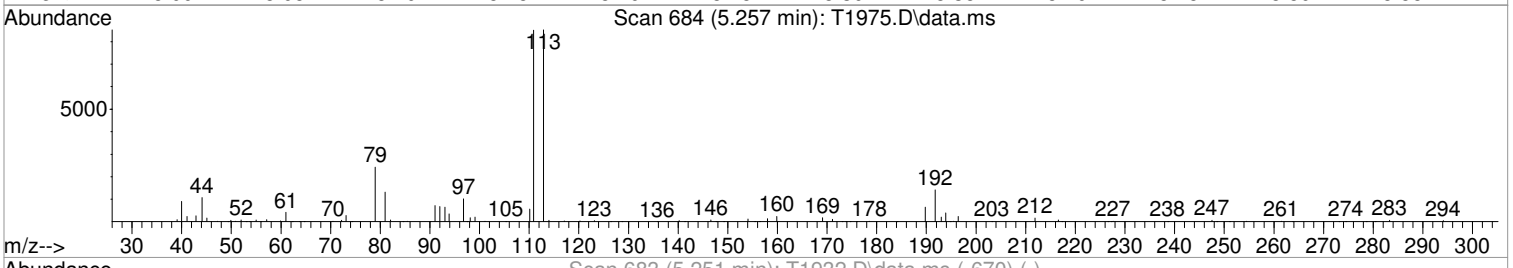
09/17/20

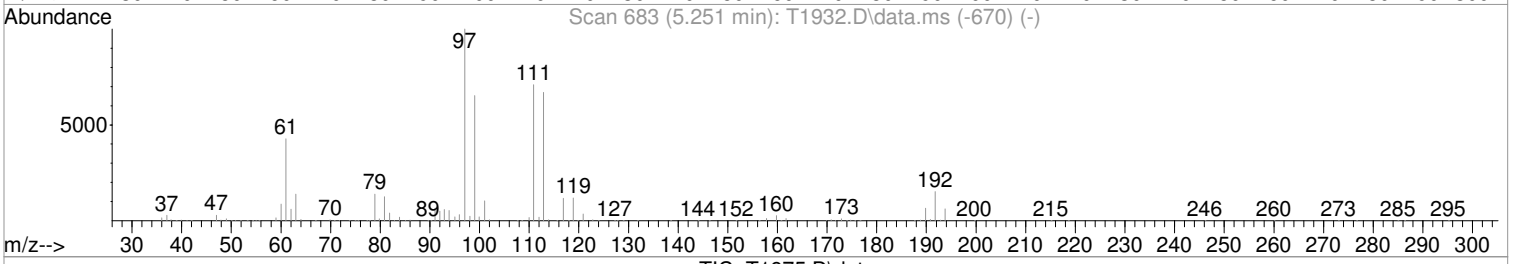
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

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

5.257min (+0.006) 0.43 ug/L

response 1558

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	20.55#
61.00	42.70	40.51
0.00	0.00	0.00

Manual Integration:

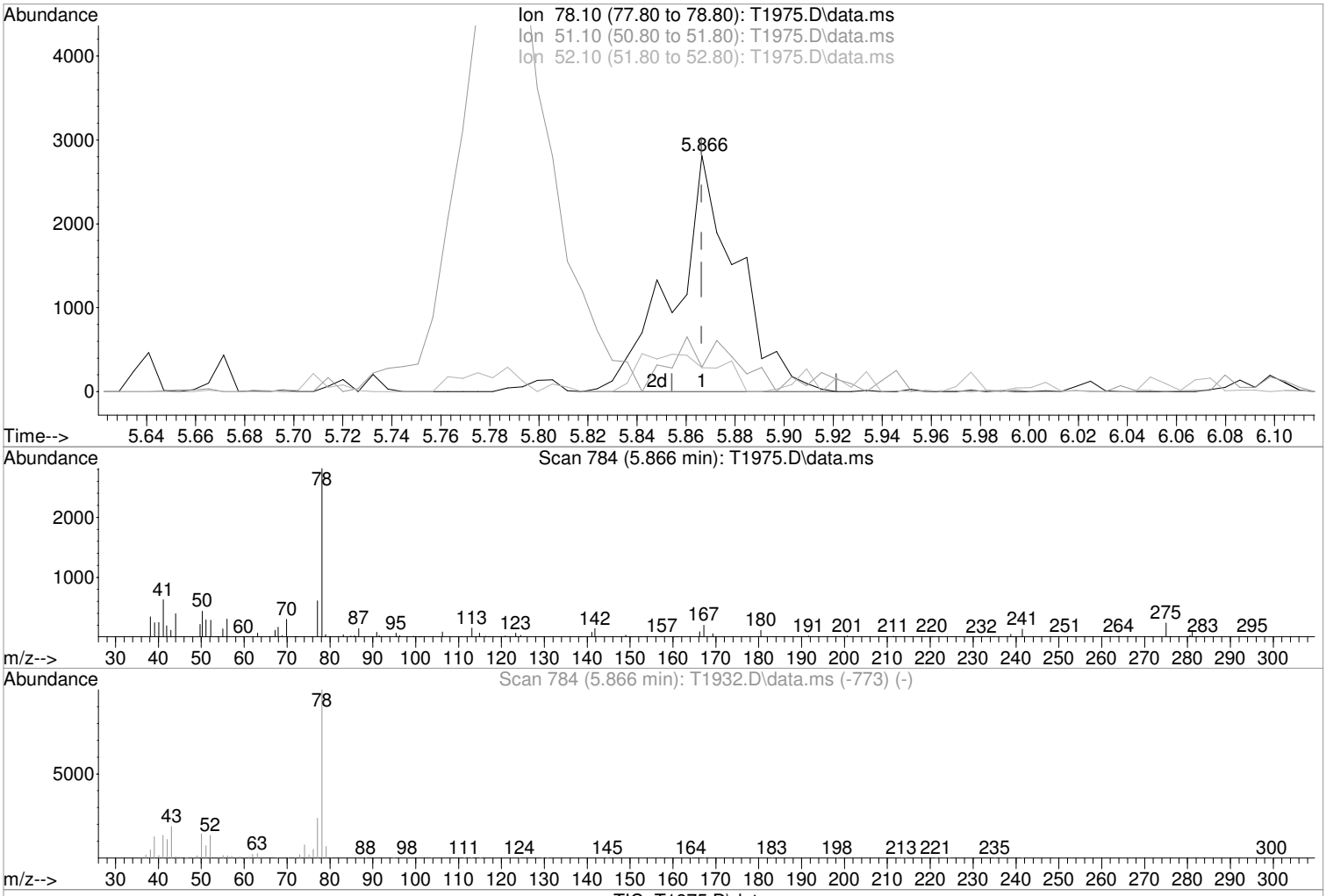
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration



TIC: T1975.D\data.ms

(47) Benzene (P)

5.866min (+0.000) 0.51 ug/L m

response 5017

Ion	Exp%	Act%
78.10	100	100
51.10	14.70	10.41
52.10	13.60	10.16
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

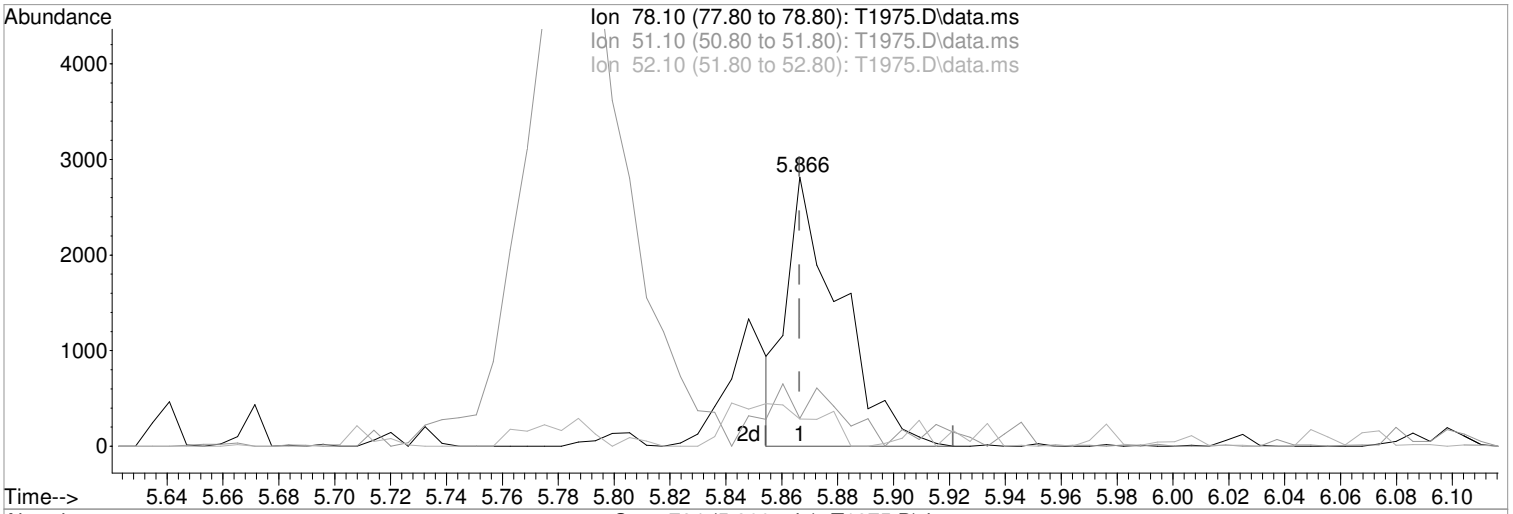
09/17/20

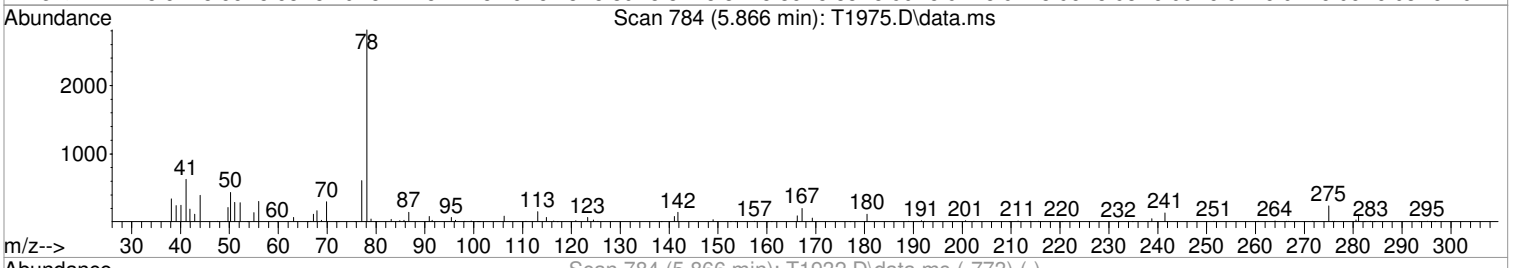
1st FN 09/18/20
2nd 09/19/20

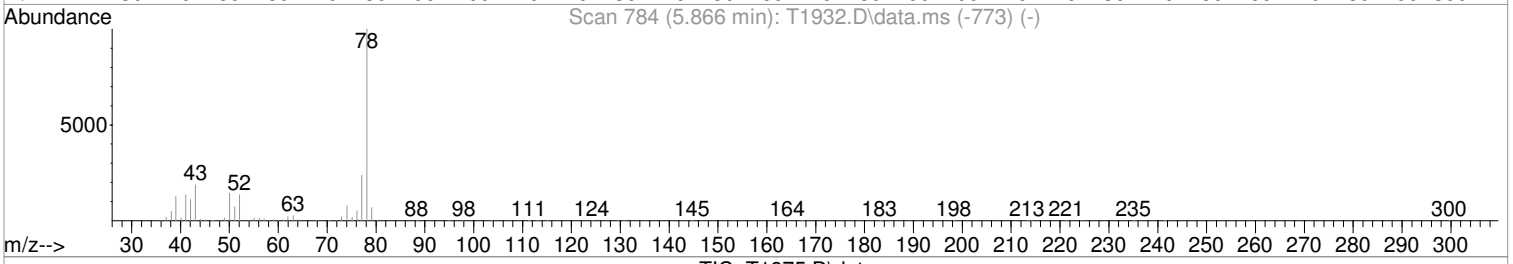
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(47) Benzene (P)

5.866min (+0.000) 0.38 ug/L

response 3718

Ion	Exp%	Act%
78.10	100	100
51.10	14.70	10.41
52.10	13.60	10.16
0.00	0.00	0.00

Manual Integration:

Before

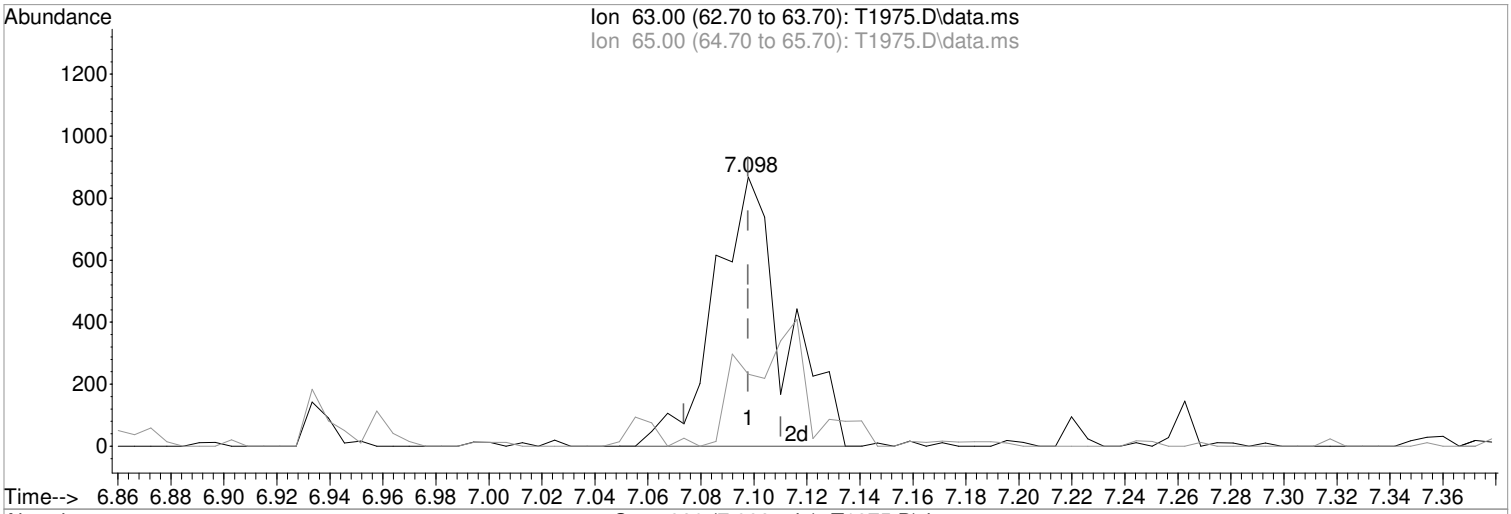
09/17/20

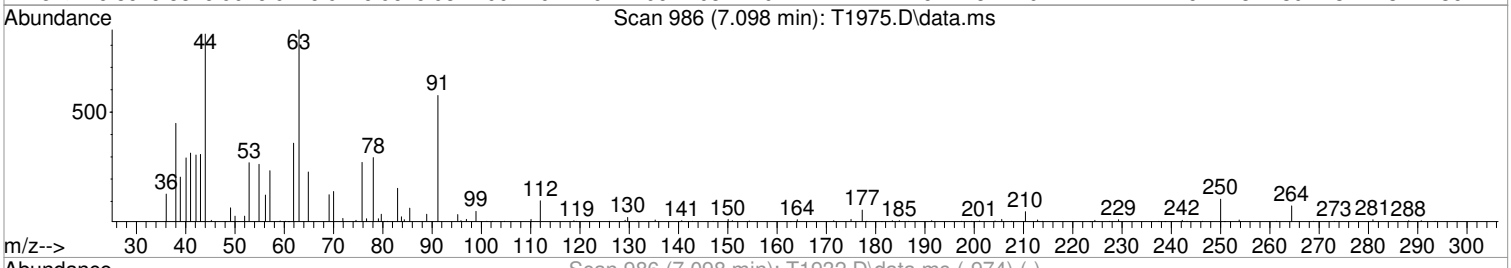
1st FW 09/18/20
2nd WR 09/19/20

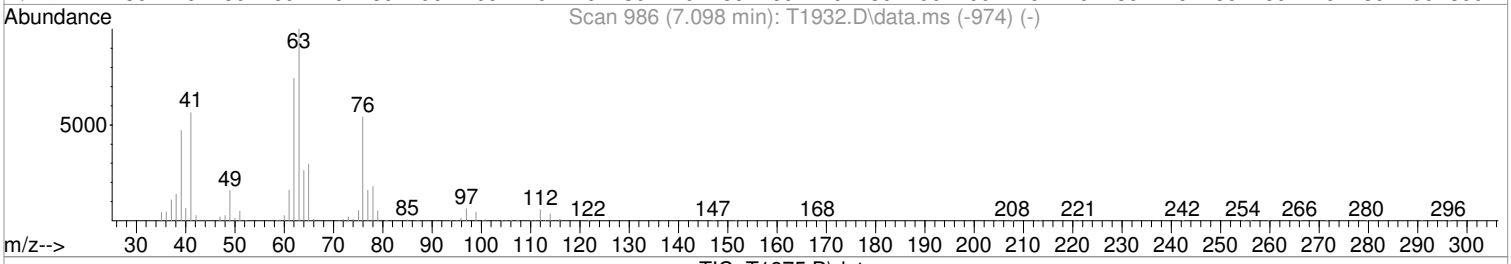
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(55) 1,2-Diclpropane (P)

7.098min (+0.000) 0.67 ug/L m

response 1580

Ion	Exp%	Act%
63.00	100	100
65.00	29.80	26.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

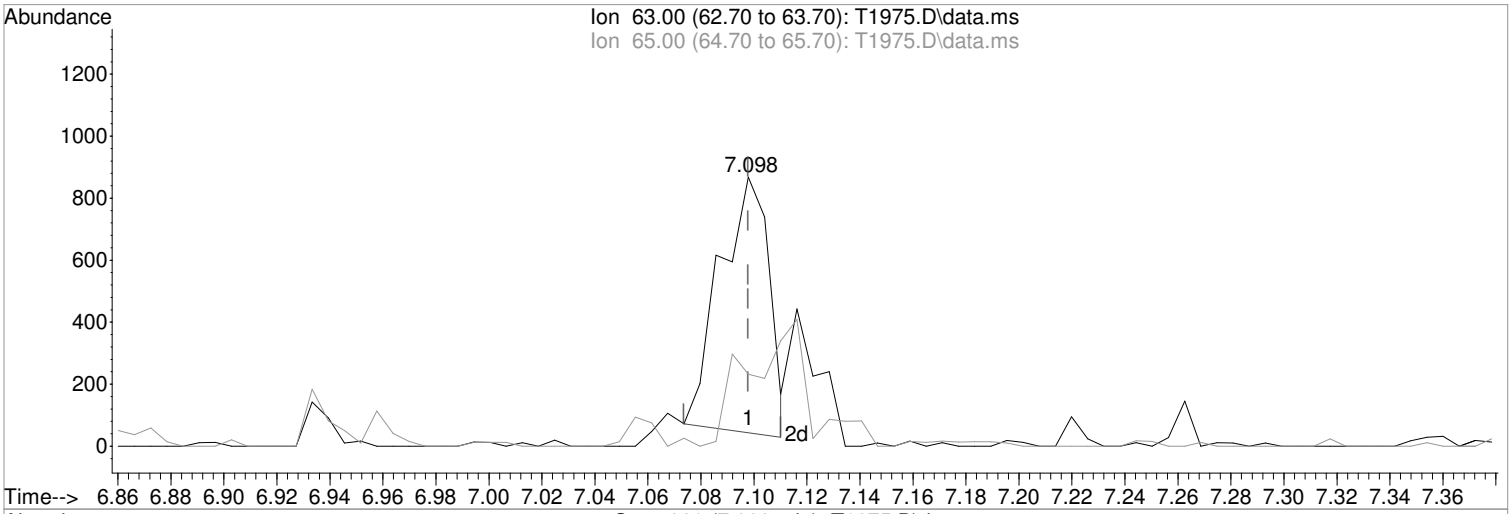
Poor integration.

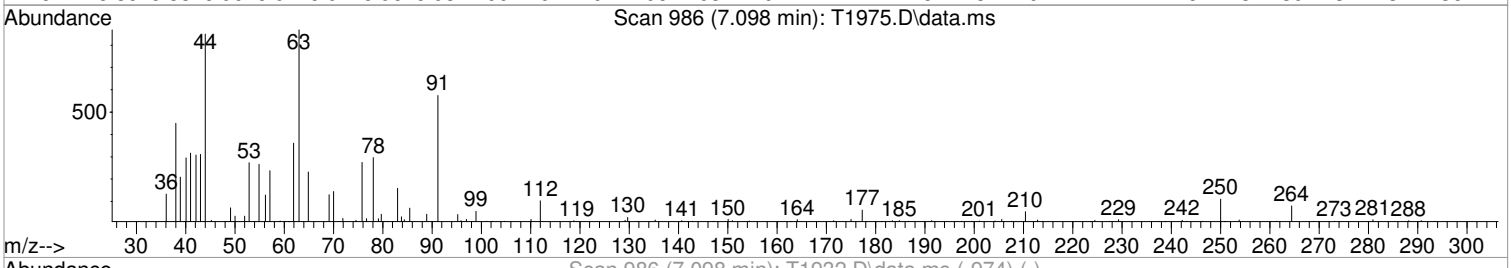
09/17/20

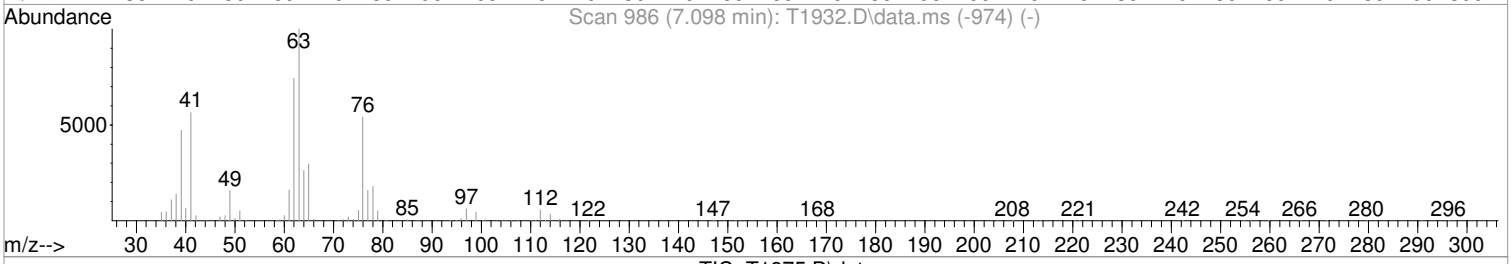
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(55) 1,2-Diclpropane (P)

7.098min (+0.000) 0.45 ug/L

response 1055

Ion	Exp%	Act%
63.00	100	100
65.00	29.80	26.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

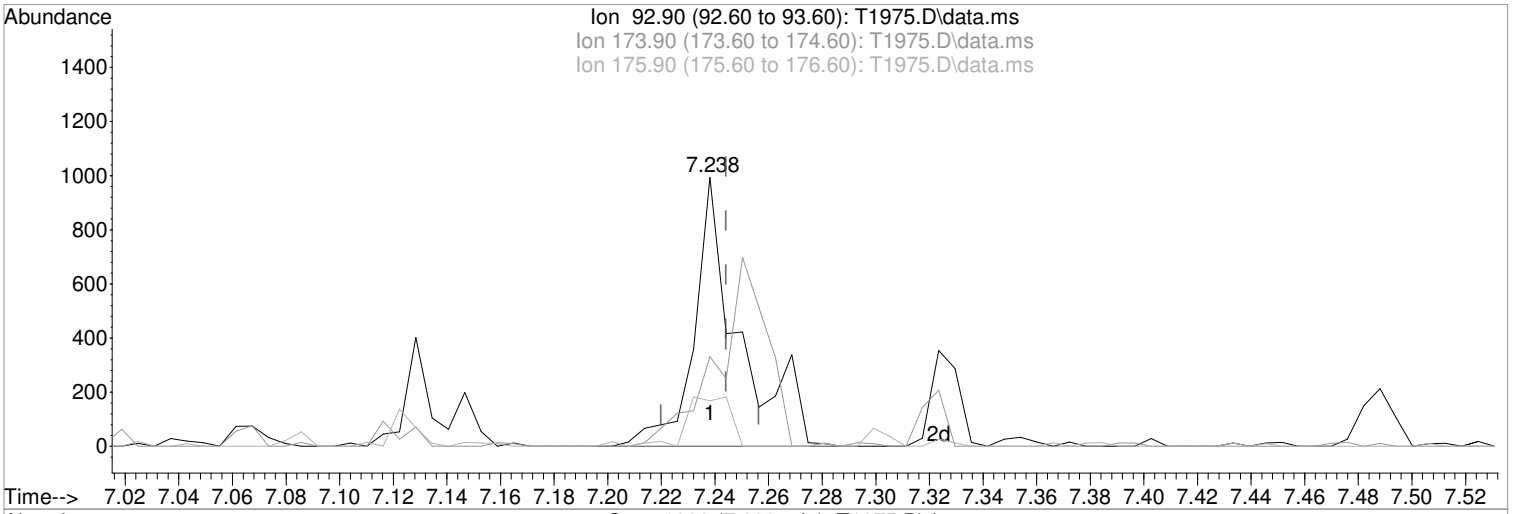
Before

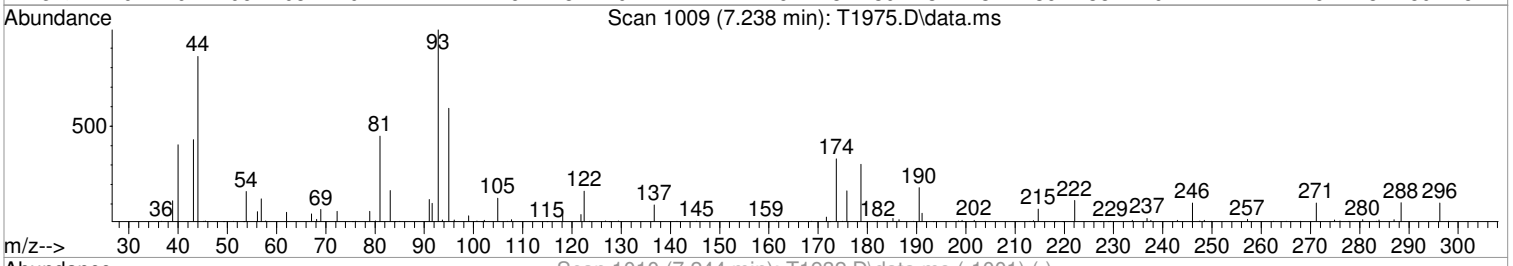
09/17/20

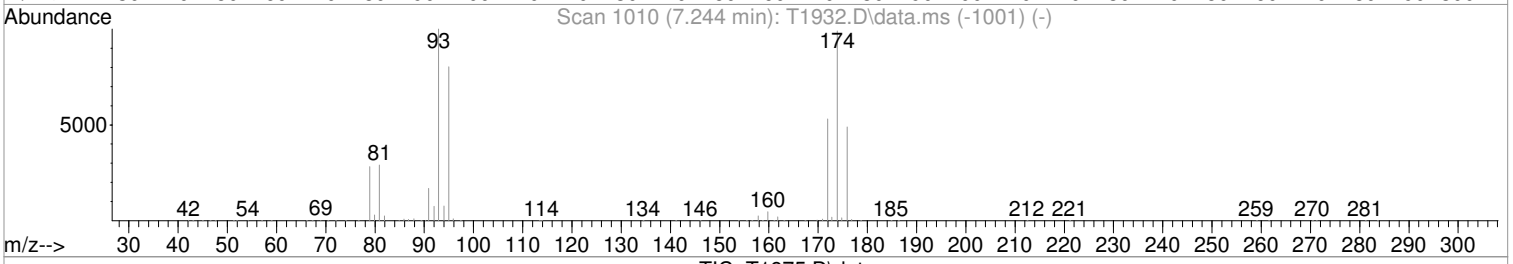
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(56) Dibromomethane

7.238min (-0.006) 0.66 ug/L m

response 1149

Ion	Exp%	Act%
92.90	100	100
173.90	99.00	33.40#
175.90	49.00	16.90#
0.00	0.00	0.00

Manual Integration:

After

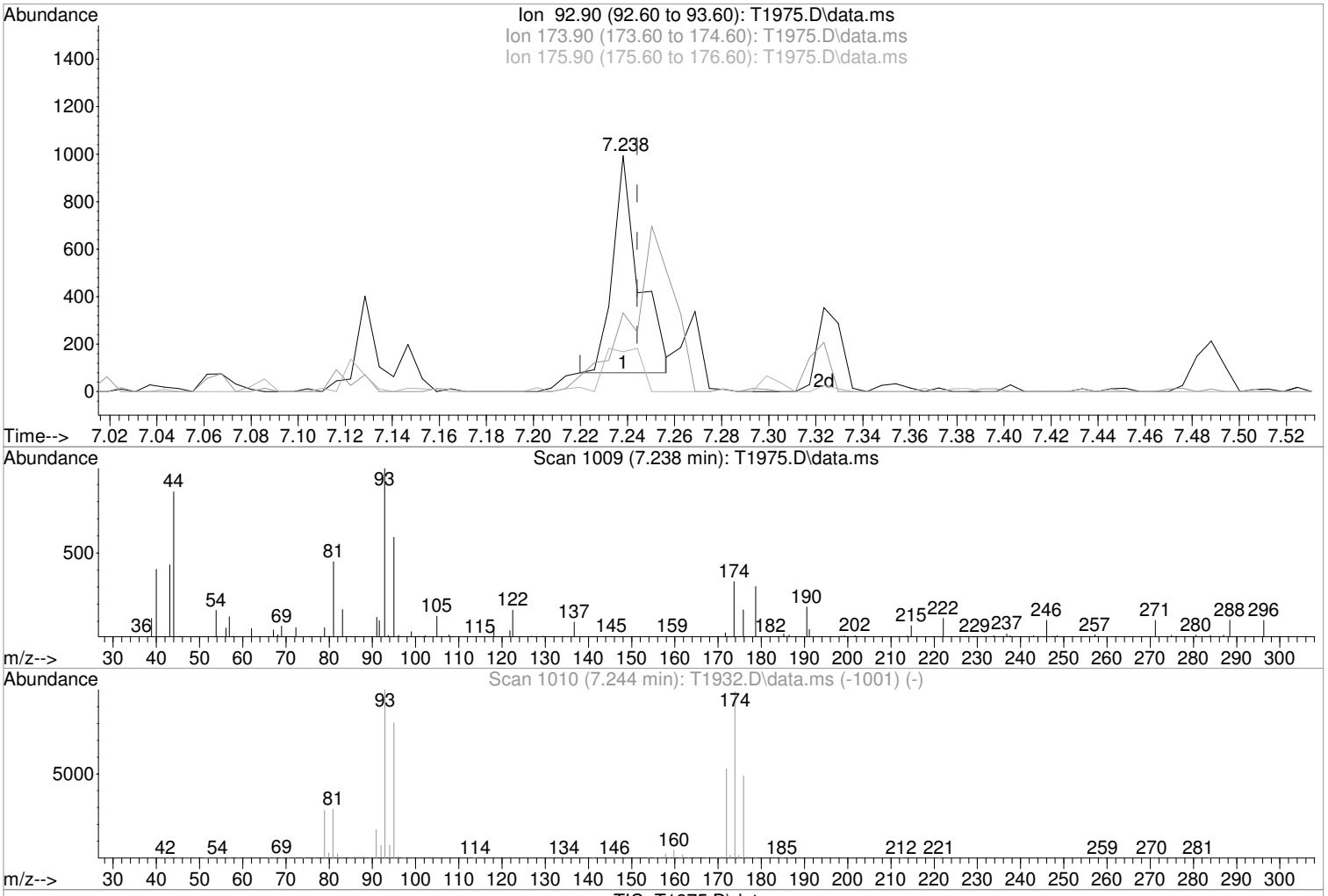
Poor integration.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration



TIC: T1975.D\data.ms

(56) Dibromomethane

7.238min (-0.006) 0.41 ug/L

response 713

Ion	Exp%	Act%
92.90	100	100
173.90	99.00	33.40#
175.90	49.00	16.90#
0.00	0.00	0.00

Manual Integration:

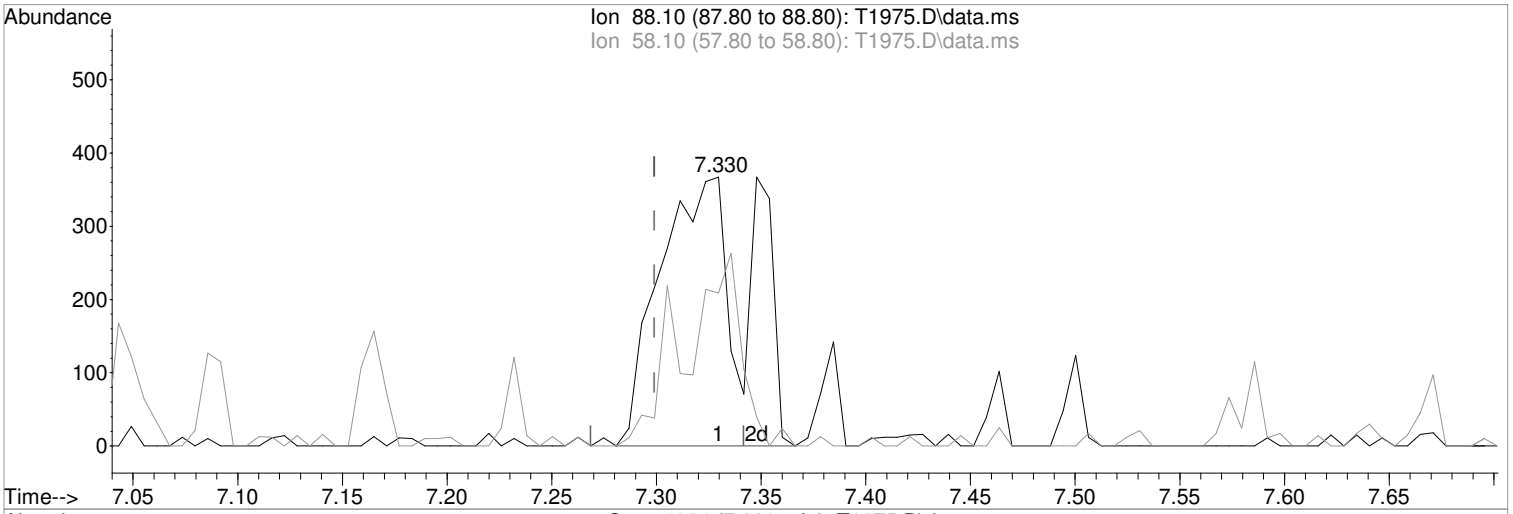
Before

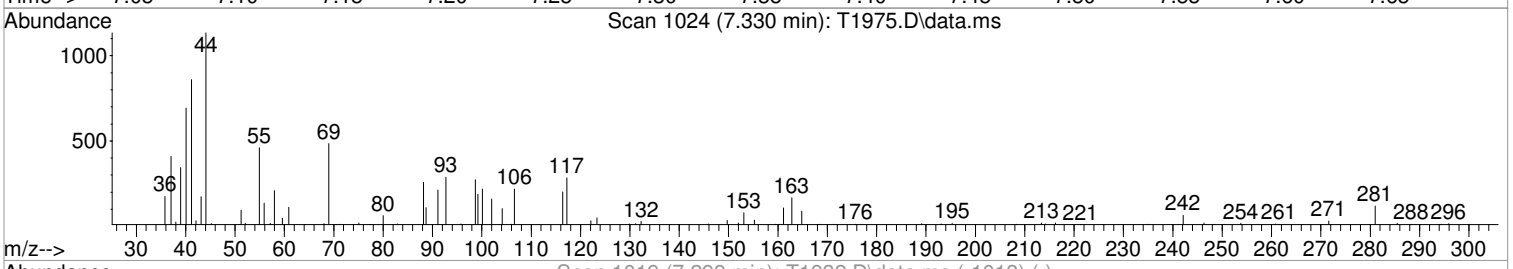
09/17/20

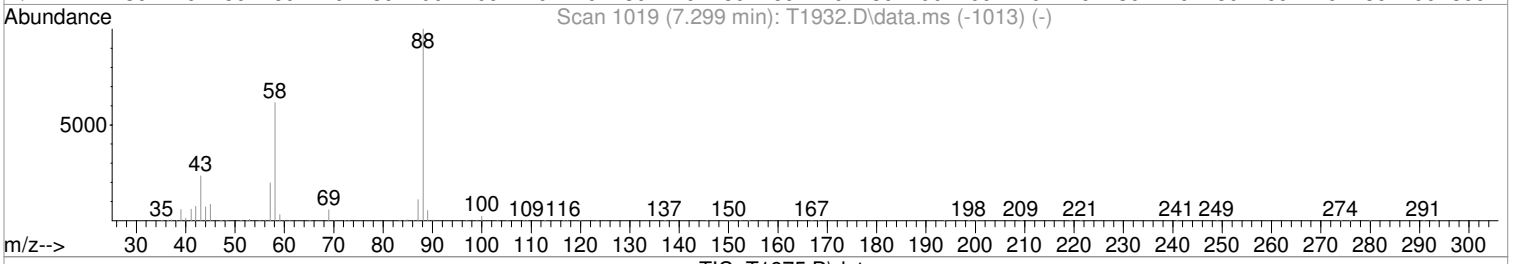
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(57) 1,4-Dioxane

7.330min (+0.031) 21.31 ug/L m

response 1085

Ion	Exp%	Act%
88.10	100	100
58.10	61.40	81.32
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

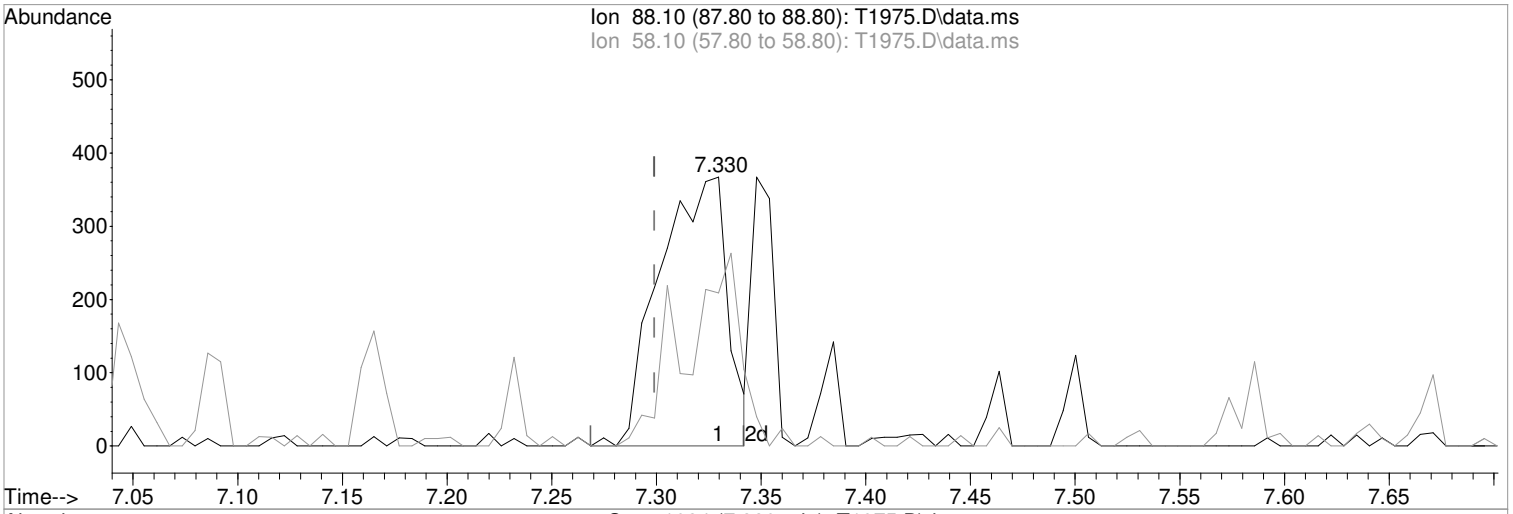
09/17/20

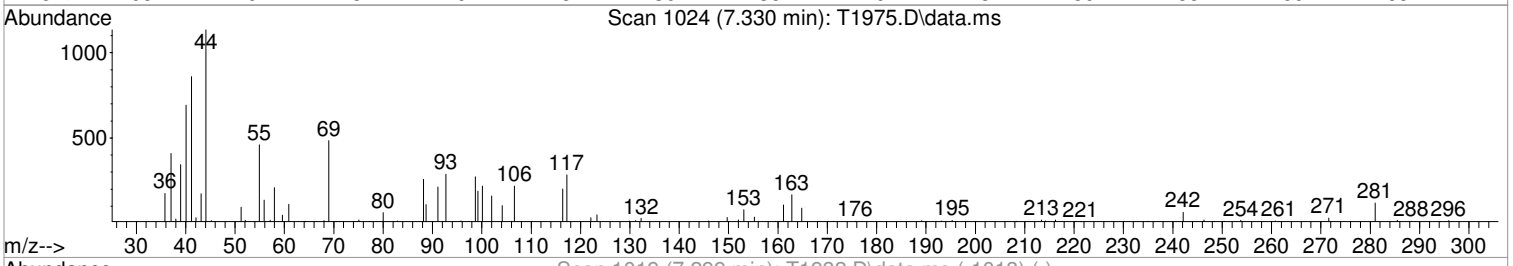
1st FW 09/18/20
2nd 09/19/20

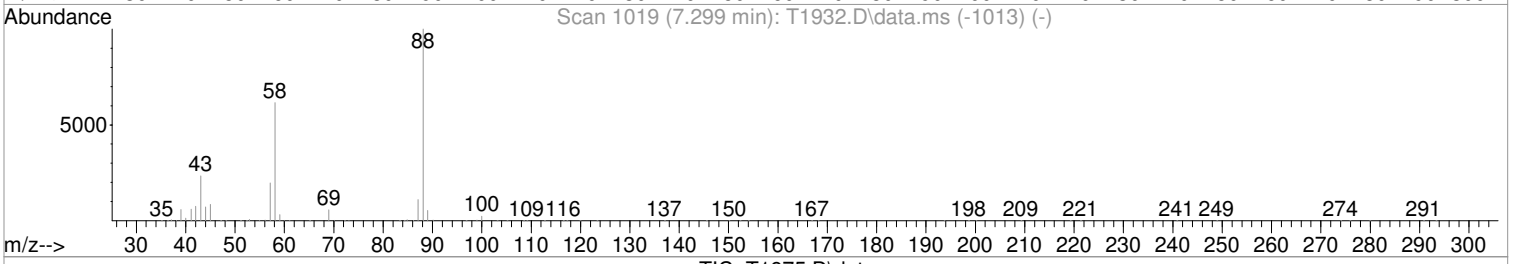
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(57) 1,4-Dioxane

7.330min (+0.031) 16.24 ug/L

response 827

Ion	Exp%	Act%
88.10	100	100
58.10	61.40	56.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

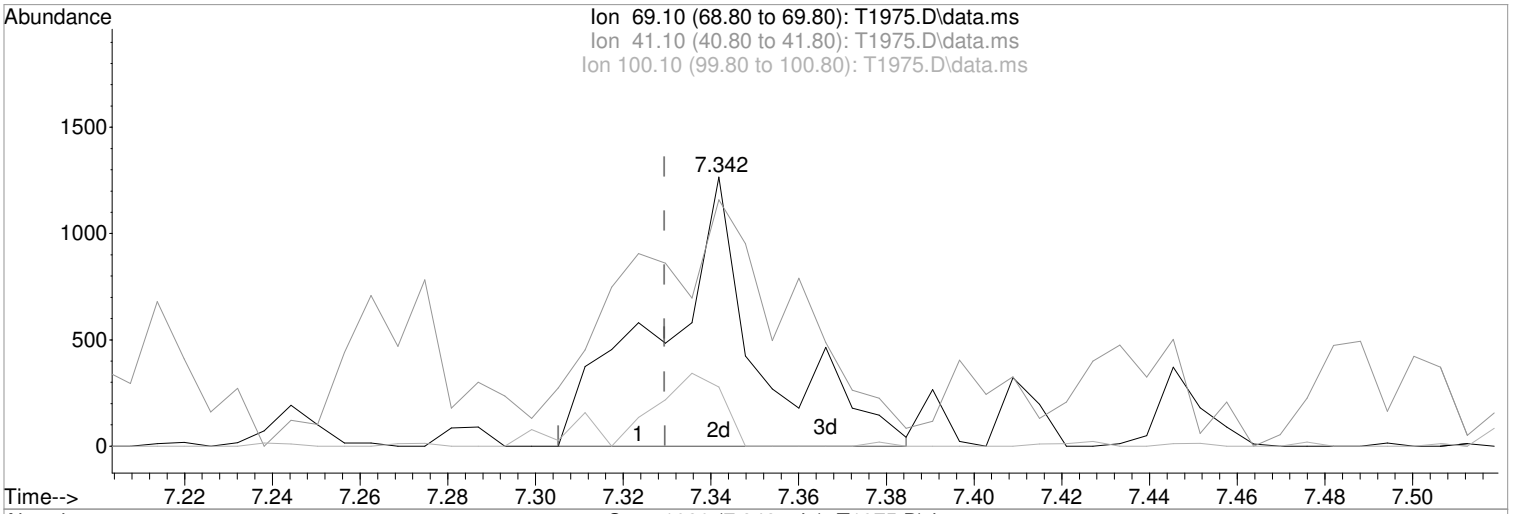
Before

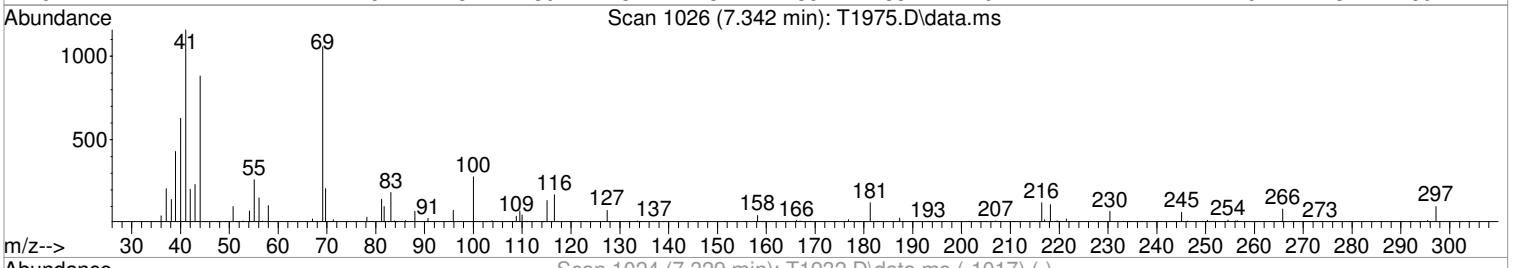
09/17/20

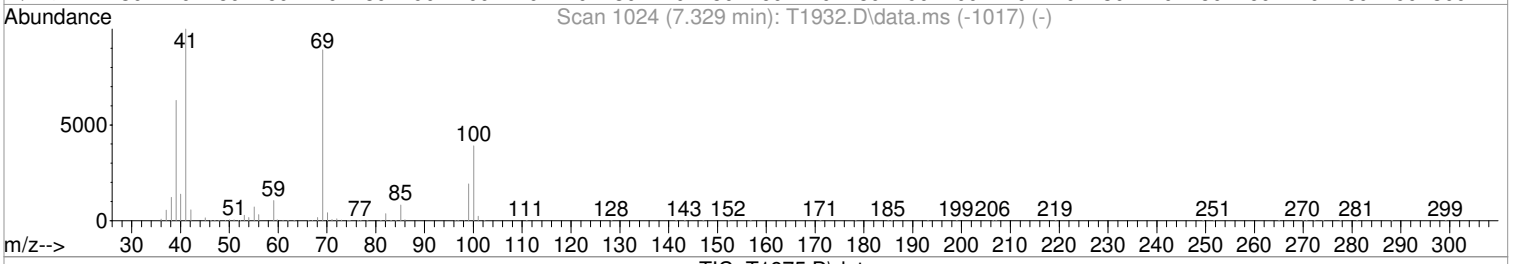
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.012) 0.86 ug/L m

response 1991

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	109.56
100.10	43.80	26.30
0.00	0.00	0.00

Manual Integration:

After

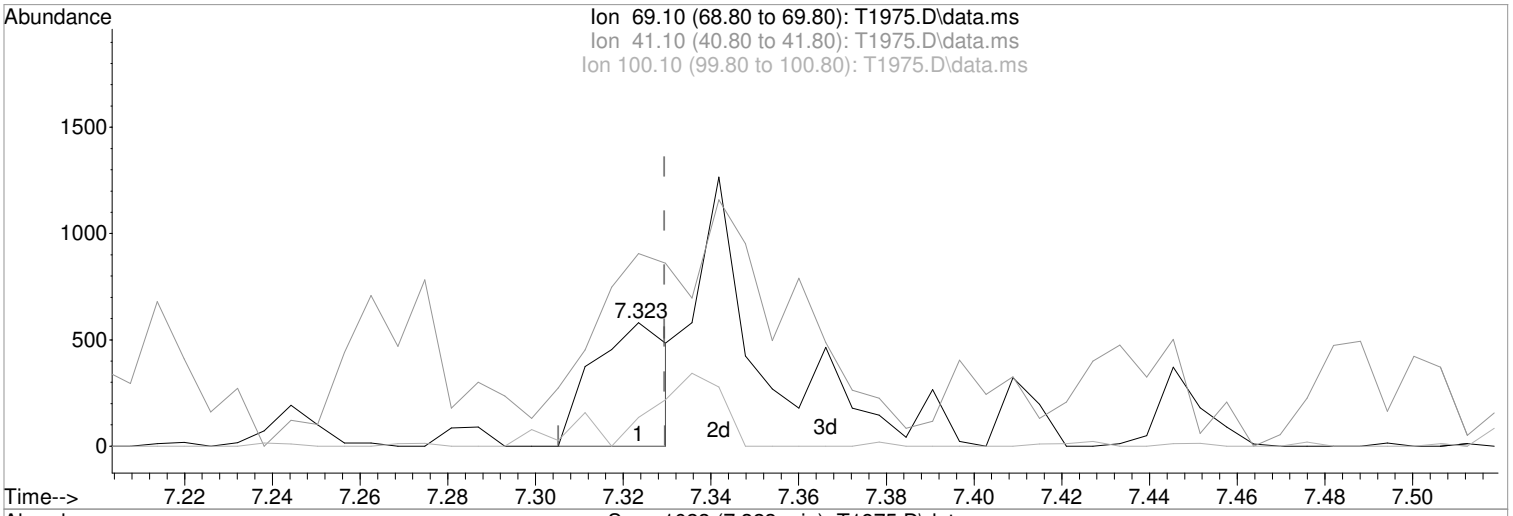
Poor integration.

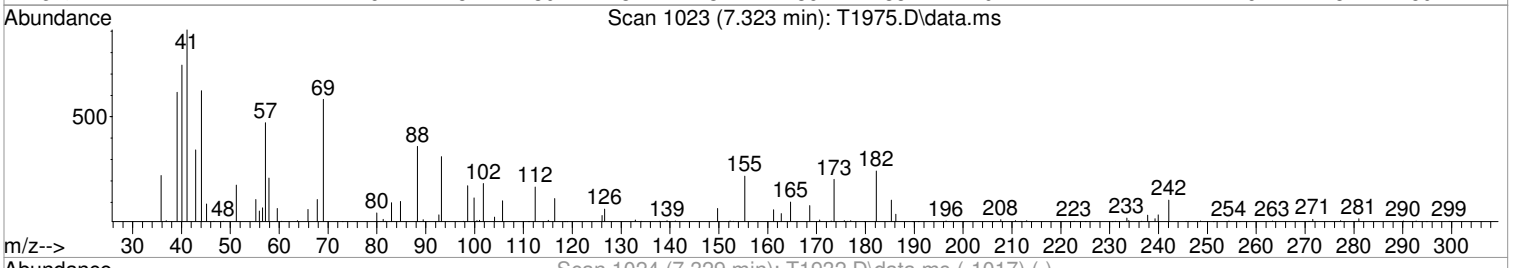
09/17/20

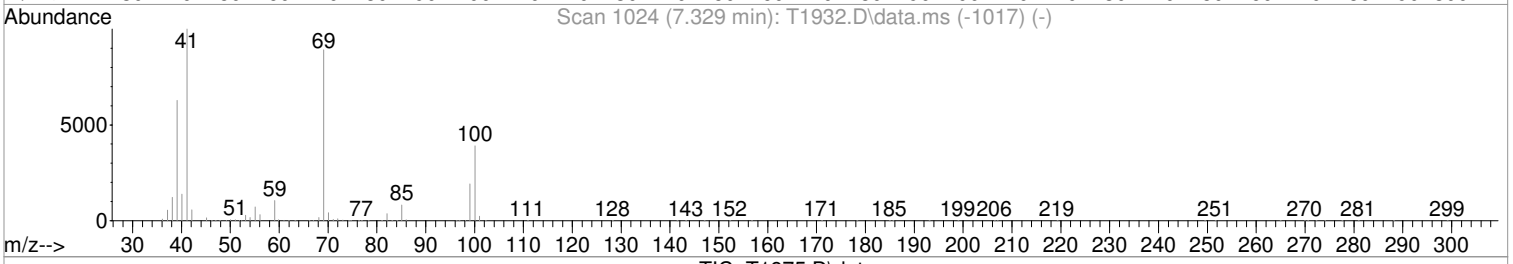
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(58) Methyl Methacrylate

7.323min (-0.006) 0.30 ug/L

response 693

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	155.94#
100.10	43.80	23.24#
0.00	0.00	0.00

Manual Integration:

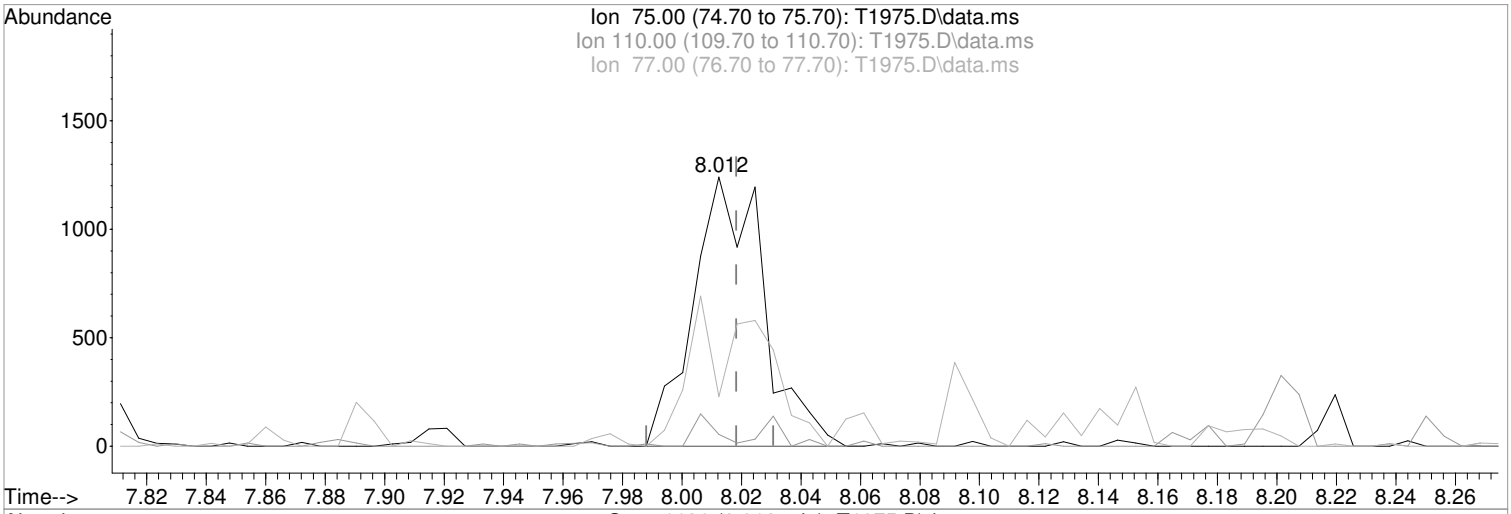
Before

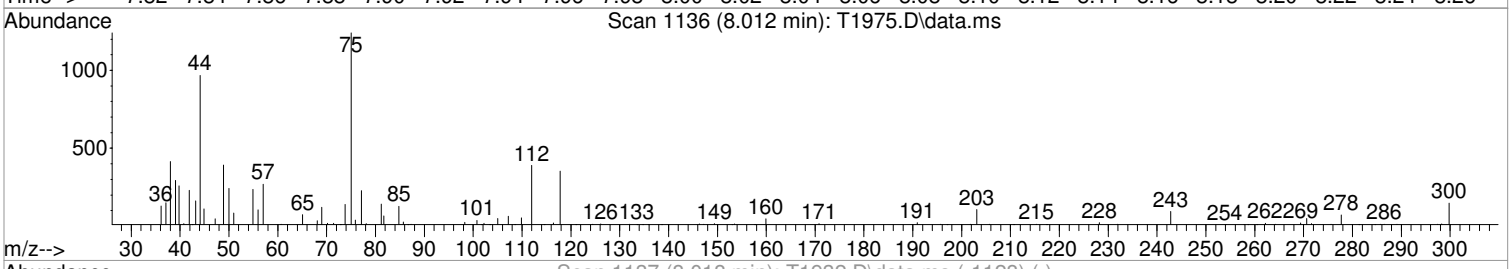
09/17/20

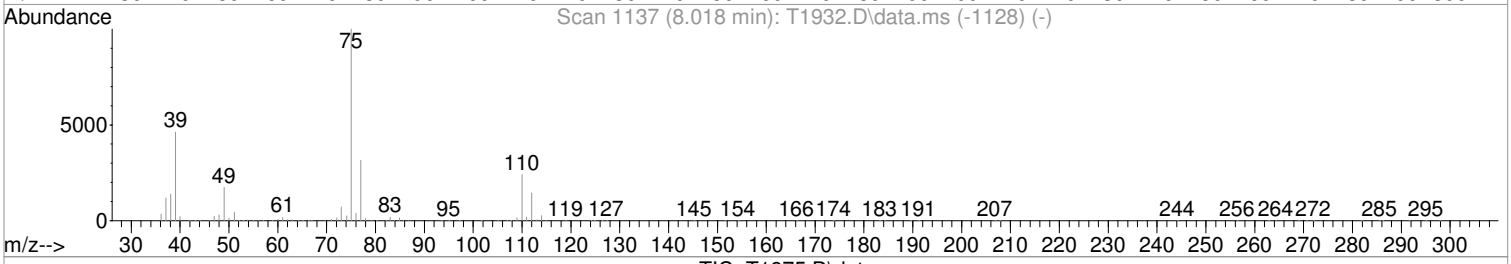
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(62) cis-1,3-Dichloropropene (P)

8.012min (-0.006) 0.50 ug/L m

response 2037

Ion	Exp%	Act%
75.00	100	100
110.00	24.10	4.35
77.00	31.50	18.39
0.00	0.00	0.00

Manual Integration:

After

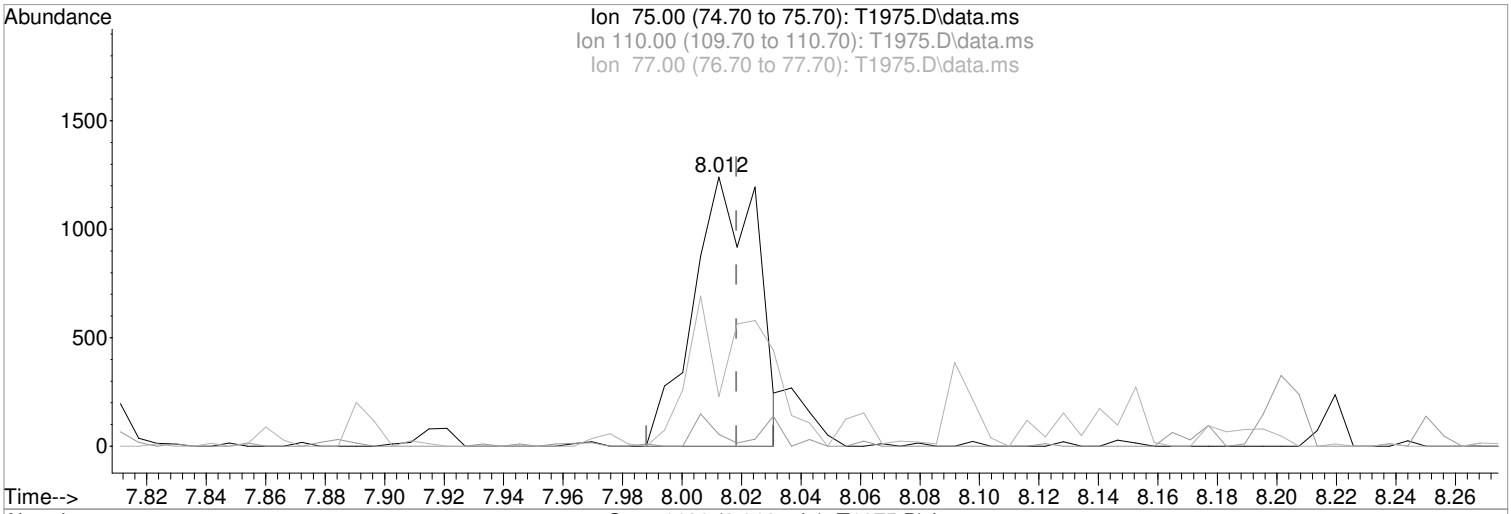
Poor integration.

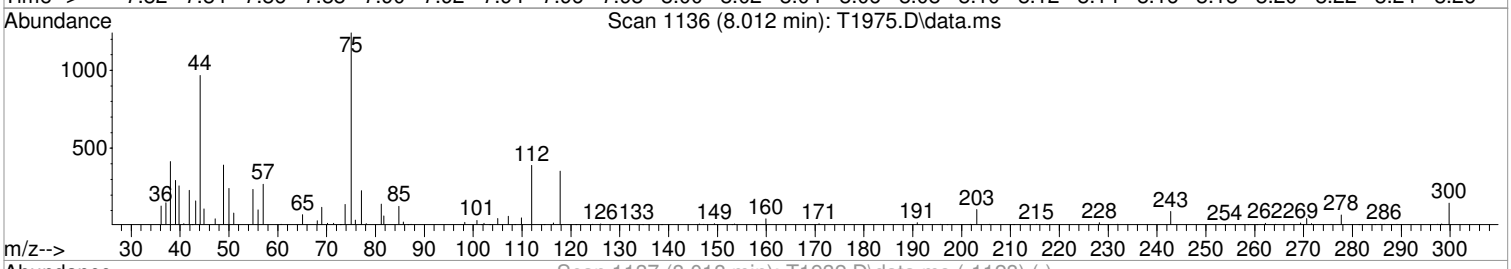
09/17/20

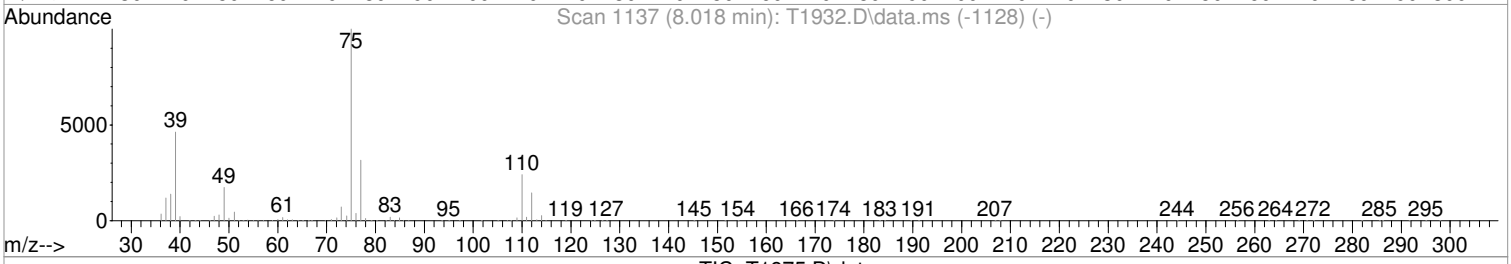
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(62) cis-1,3-Dichloropropene (P)

8.012min (-0.006) 0.45 ug/L

response 1862

Ion	Exp%	Act%
75.00	100	100
110.00	24.10	4.35
77.00	31.50	18.39
0.00	0.00	0.00

Manual Integration:

Before

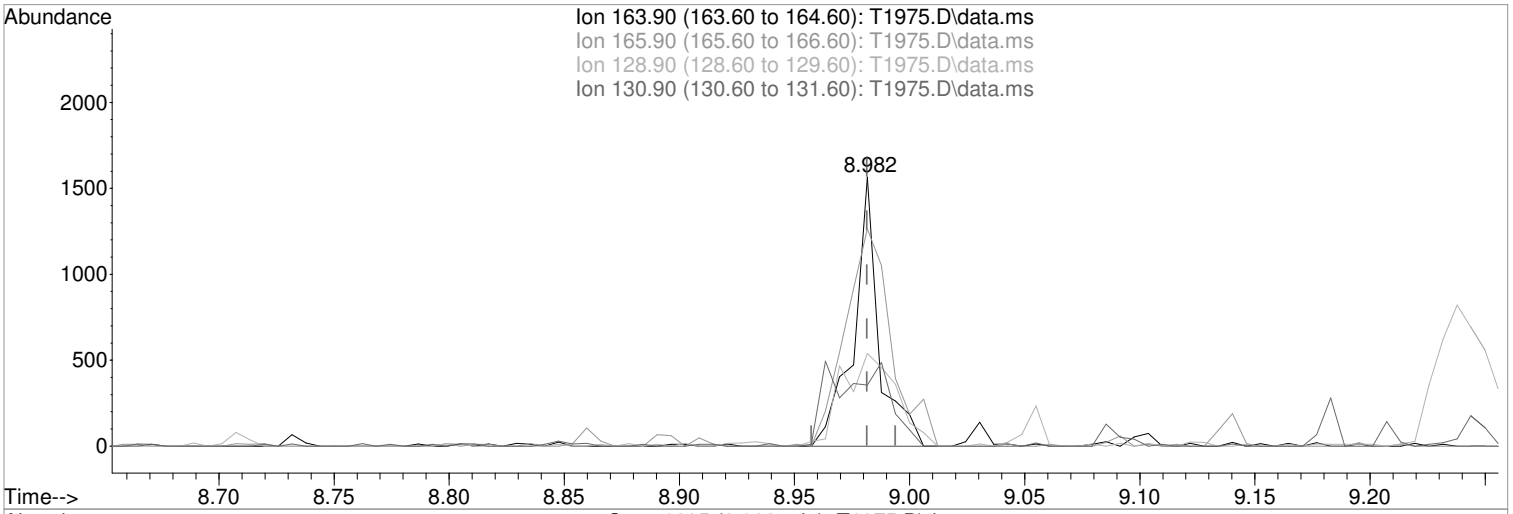
09/17/20

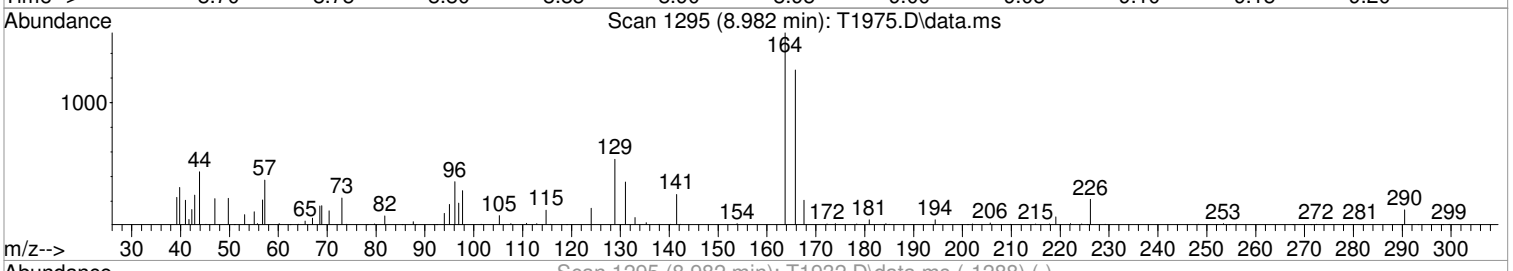
1st FN 09/18/20
2nd 09/19/20

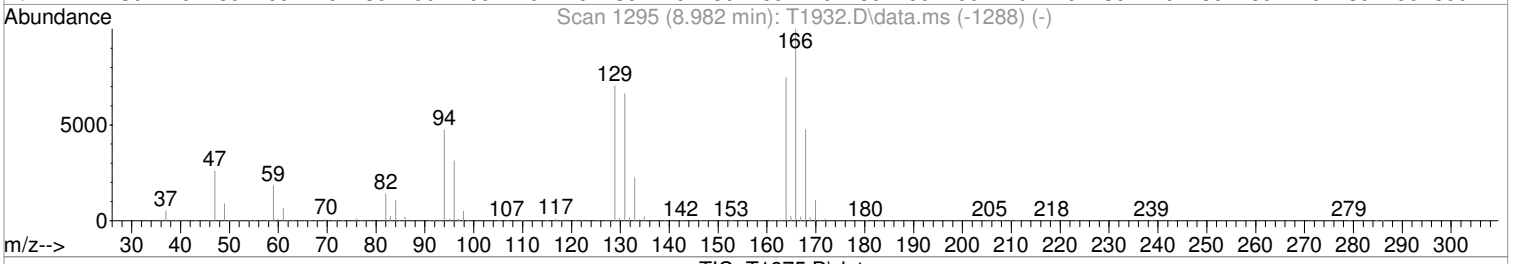
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(71) Tetrachloroethene (P)

8.982min (+0.000) 0.65 ug/L m

response 1212

Ion	Exp%	Act%
163.90	100	100
165.90	134.00	80.77#
128.90	94.40	34.50#
130.90	88.90	22.75#

Manual Integration:

After

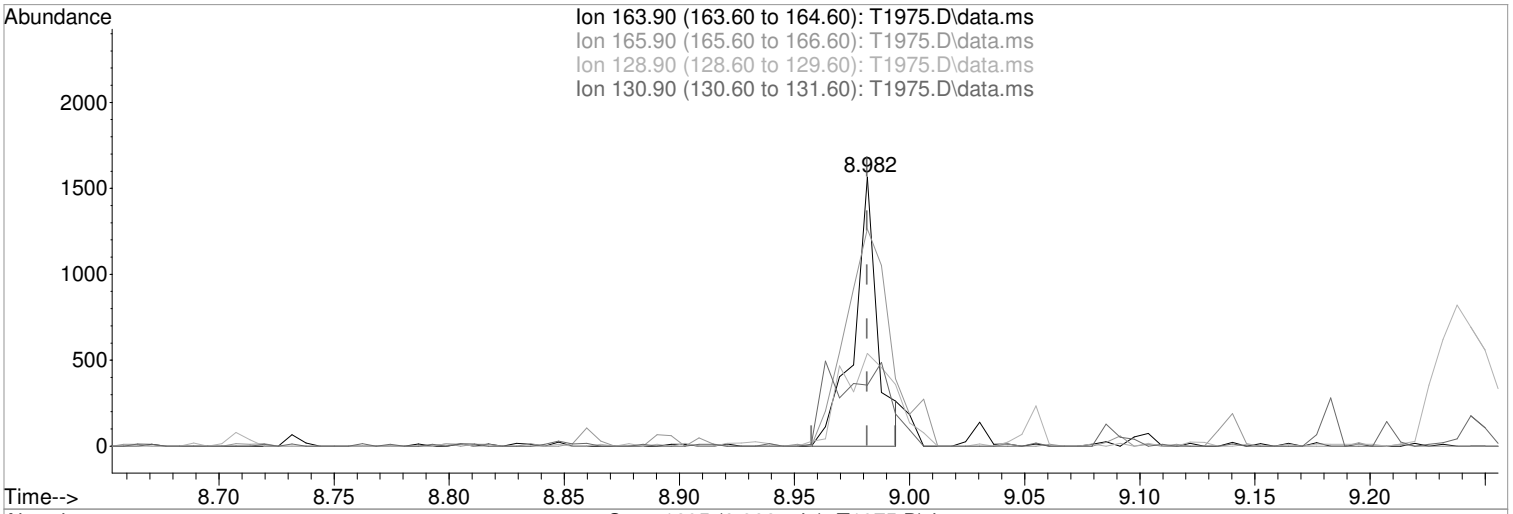
Poor integration.

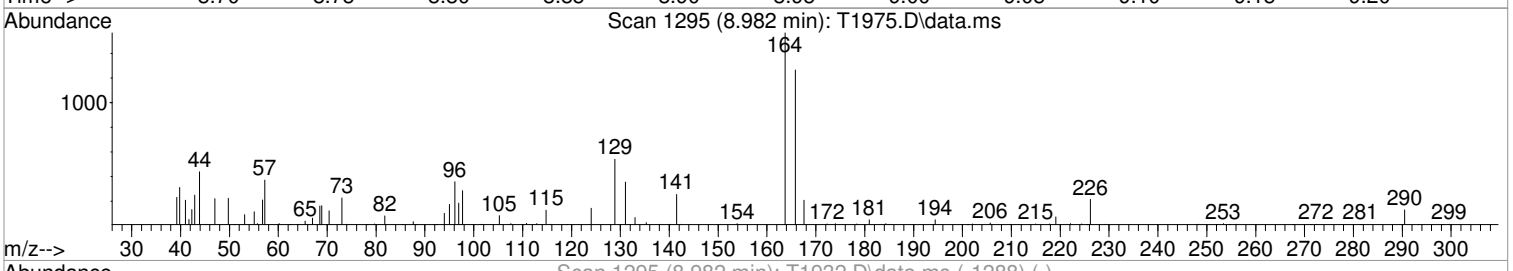
09/17/20

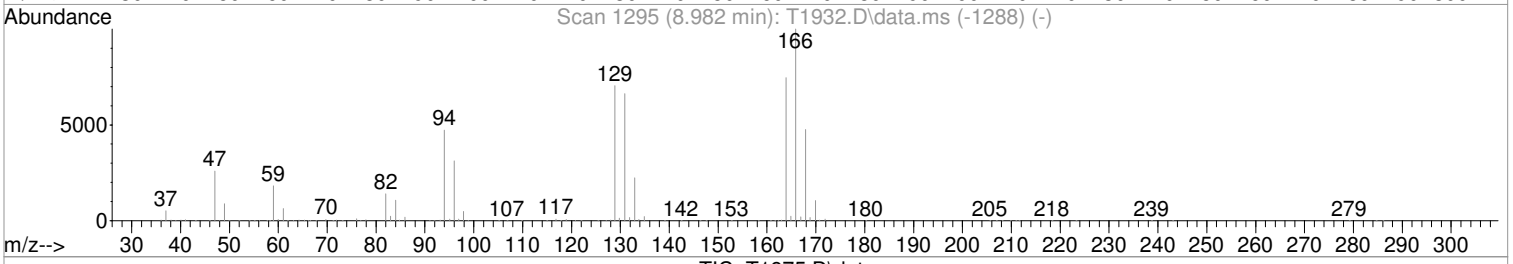
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(71) Tetrachloroethene (P)

8.982min (+0.000) 0.61 ug/L

response 1145

Ion	Exp%	Act%
163.90	100	100
165.90	134.00	80.77#
128.90	94.40	34.50#
130.90	88.90	22.75#

Manual Integration:

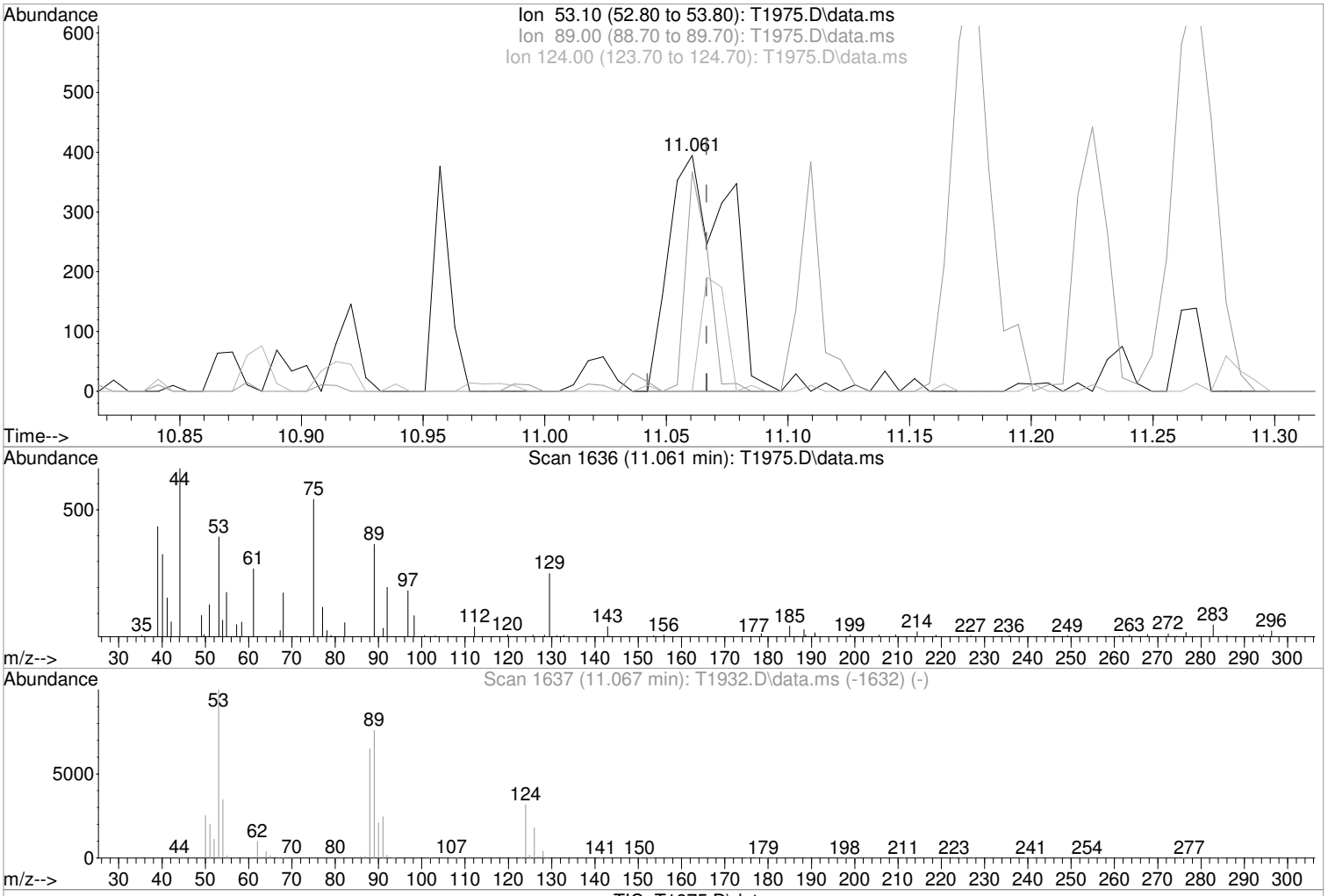
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration



TIC: T1975.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.061min (-0.006) 0.86 ug/L m

response 679

Ion	Exp%	Act%
53.10	100	100
89.00	76.00	92.91
124.00	31.50	0.00#
0.00	0.00	0.00

Manual Integration:

After

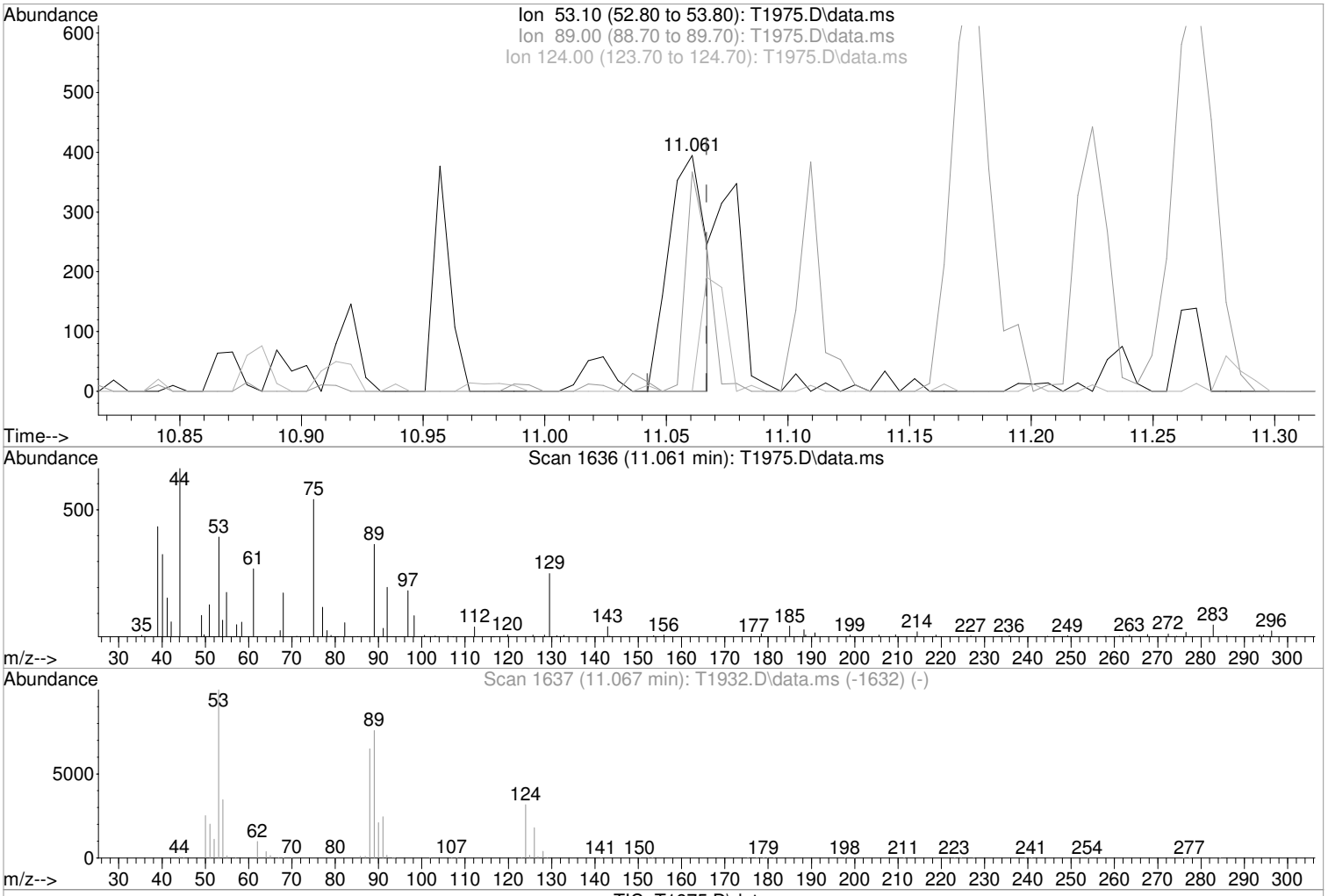
Poor integration.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration



TIC: T1975.D\data.ms

(89) trans-1,4-Dichloro-2-Butene

11.061min (-0.006) 0.53 ug/L

response 422

Ion	Exp%	Act%
53.10	100	100
89.00	76.00	92.91
124.00	31.50	0.00#
0.00	0.00	0.00

Manual Integration:

Before

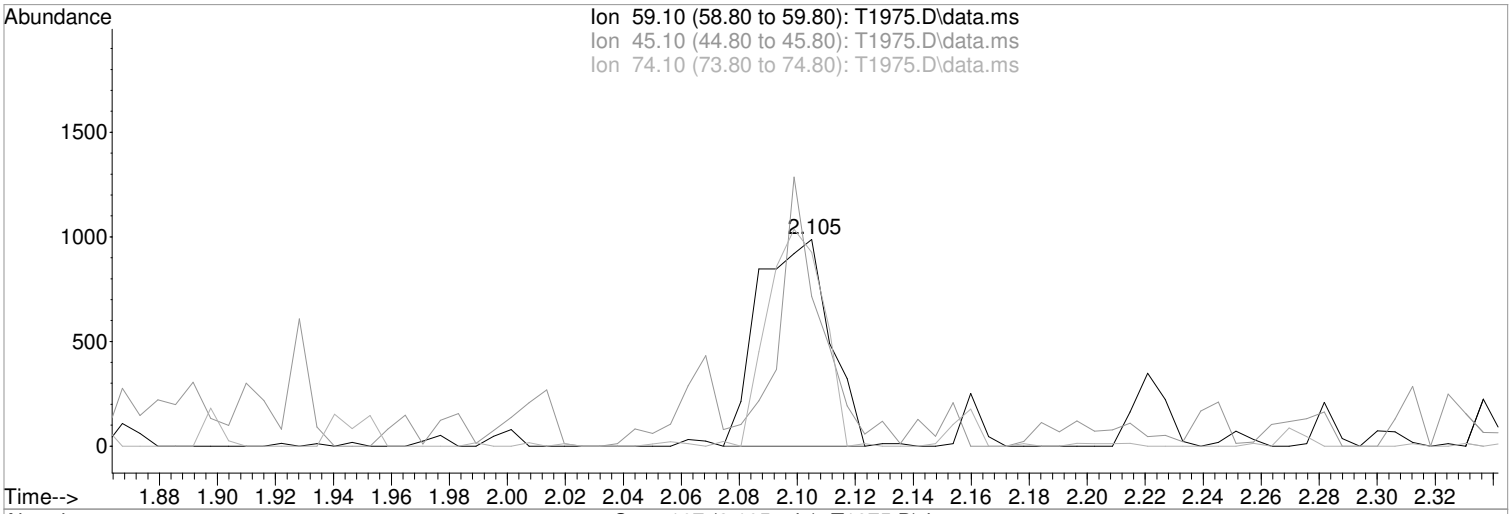
09/17/20

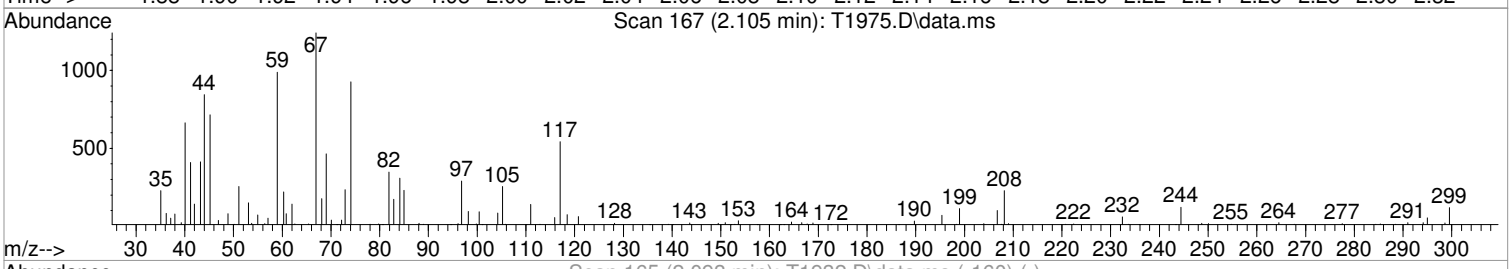
1st FW 09/18/20
2nd 09/19/20

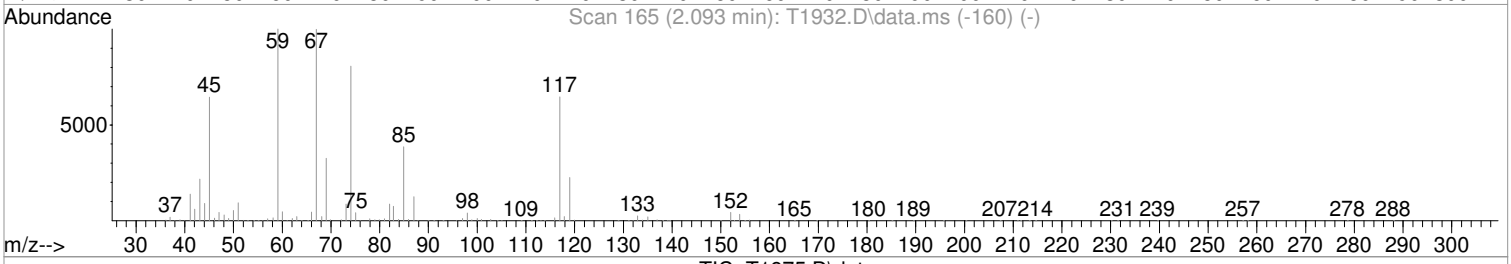
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:03 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(9) Diethyl Ether

2.105min (+0.012) 0.91 ug/L m

response 1693

Ion	Exp%	Act%
59.10	100	100
45.10	64.50	72.37
74.10	80.60	93.72
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

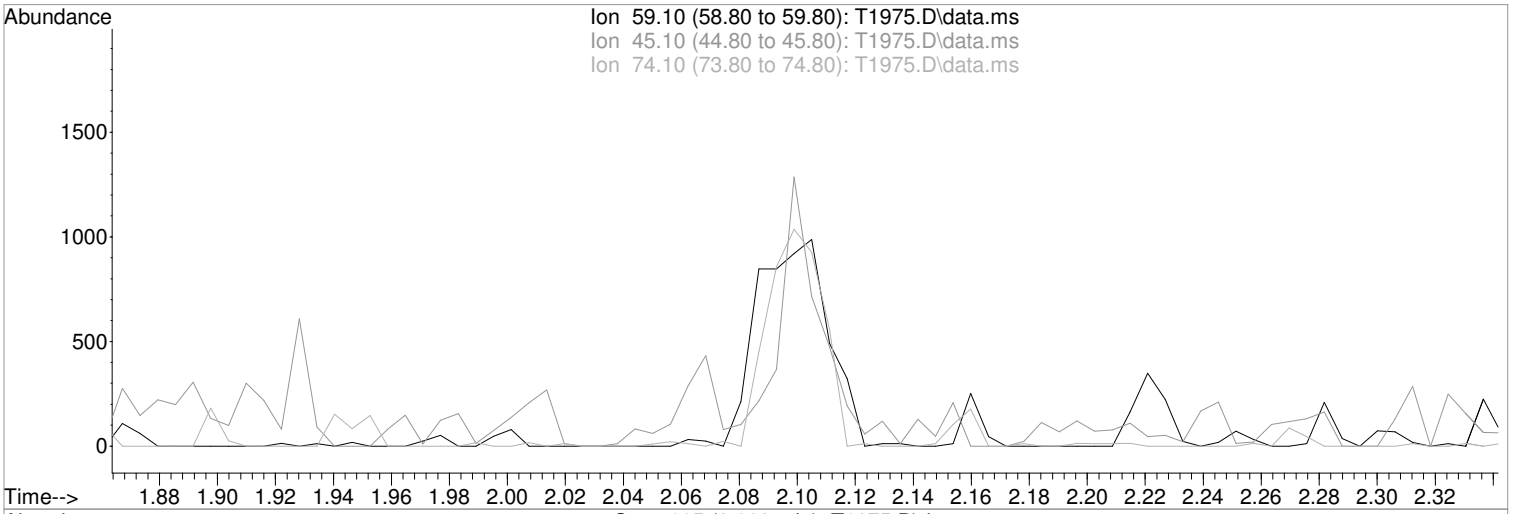
09/17/20

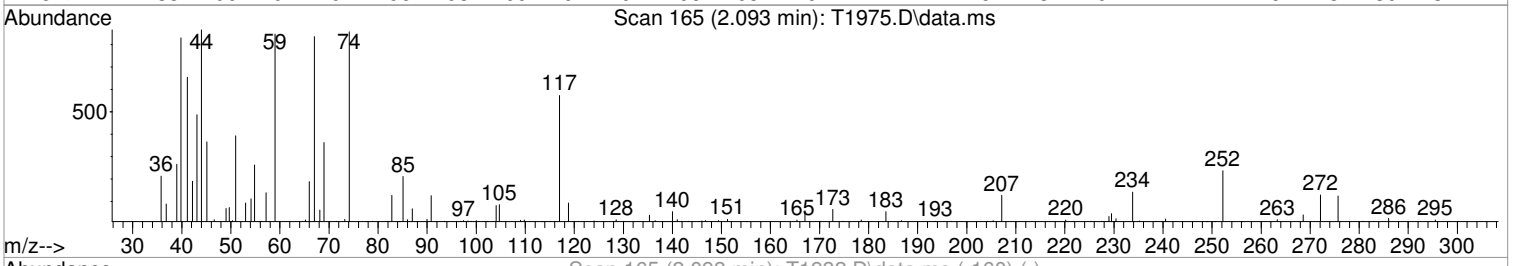
1st FN 09/18/20
2nd 09/19/20

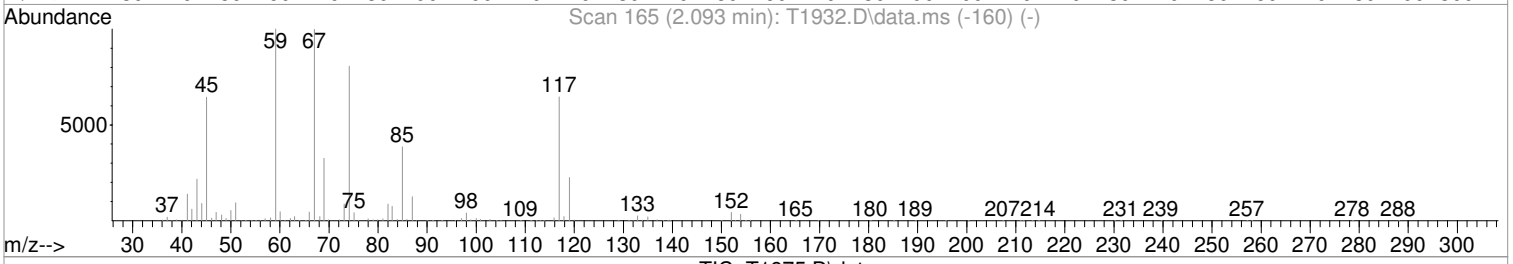
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:03 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(9) Diethyl Ether

2.093min (-2.093) 0.00 ug/L

response 0

Ion	Exp%	Act%
59.10	100	0.00
45.10	64.50	0.00#
74.10	80.60	0.00#
0.00	0.00	0.00

Manual Integration:

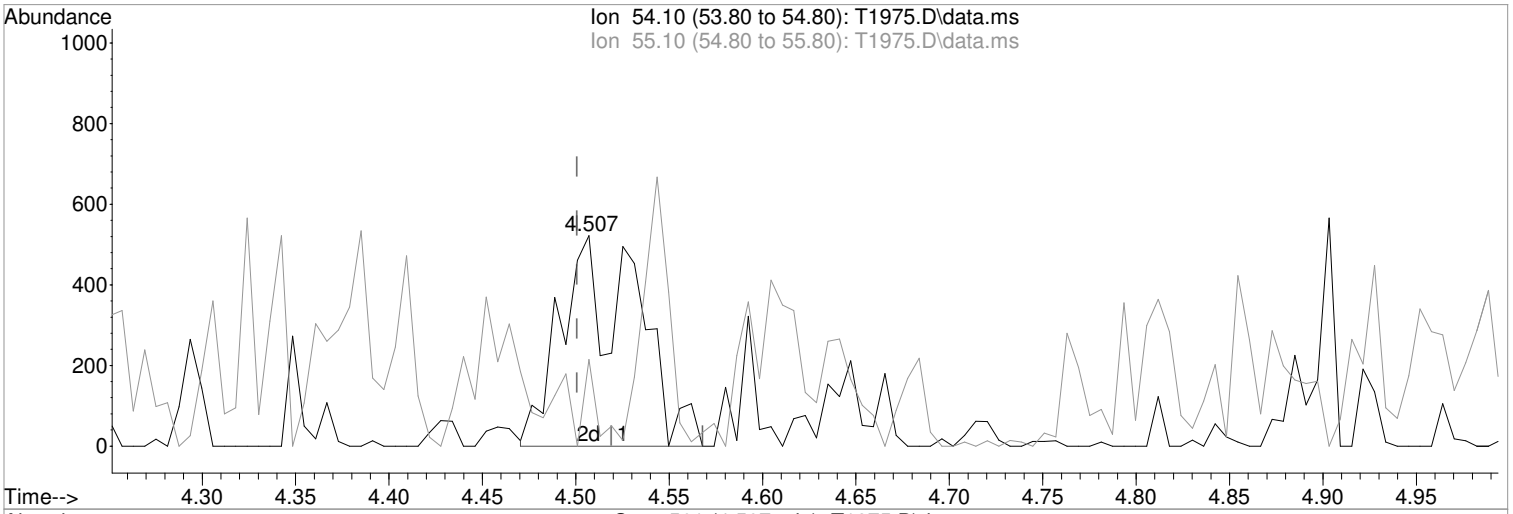
Before

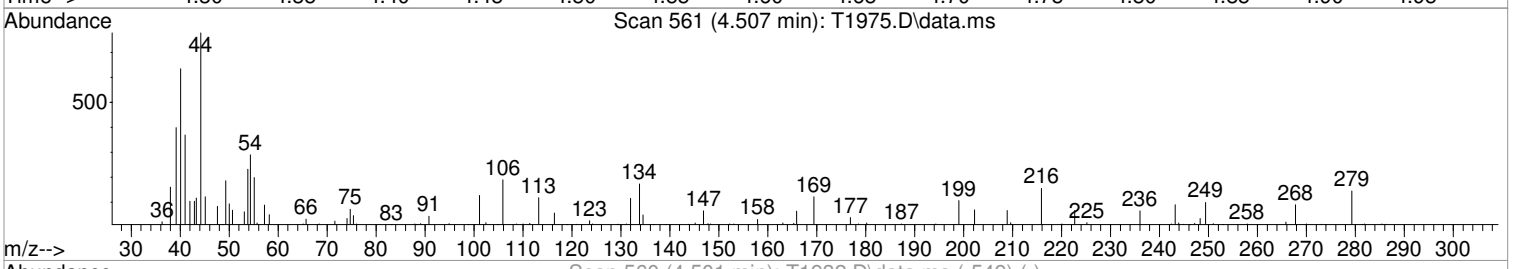
09/17/20

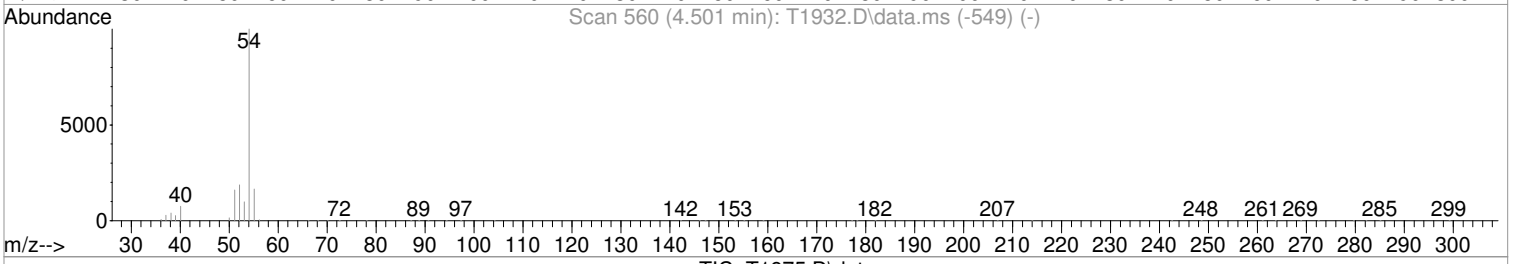
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 14:57:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration







TIC: T1975.D\data.ms

(35) Propionitrile

4.507min (+0.006) 3.45 ug/L m

response 1451

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	68.28#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 15:03:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	247889	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	404910	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	371963	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	185038	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.257	113	25219	9.98	ug/L		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 19.96%#				
46) surr1,1,2-dichloroetha...	5.793	65	31510	9.59	ug/L		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 19.18%#				
64) SURR3,Toluene-d8	8.311	98	101972	10.24	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.48%#				
69) SURR2,BFB	10.878	95	38594	9.70	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 19.40%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	1092	0.35	ug/L		82
3) Chloromethane	1.282	50	2334	1.00	ug/L		74
4) Vinyl Chloride	1.361	62	1550	0.65	ug/L		76
5) Bromomethane	1.593	94	2386	1.31	ug/L		92
6) Chloroethane	1.672	64	937	0.76	ug/L	#	61
7) Freon 21	1.818	67	2647	0.65	ug/L		64
8) Trichlorofluoromethane	1.867	101	2071	0.59	ug/L	#	69
9) Diethyl Ether	2.105	59	1693m	0.91	ug/L		
10) Freon 123a	2.105	67	2432m	0.92	ug/L		
11) Freon 123	2.160	83	2213m	0.71	ug/L		
12) Acrolein	2.196	56	1796	3.41	ug/L		99
13) 1,1-Diclethene	2.294	96	1114	0.67	ug/L	#	69
14) Freon 113	2.300	101	1371	0.71	ug/L	#	58
15) Acetone	2.337	43	2723	2.93	ug/L		83
16) 2-Propanol	2.459	45	3813m	18.81	ug/L		
18) Carbon Disulfide	2.489	76	3643	0.62	ug/L		91
19) Acetonitrile	2.587	41	1490	4.49	ug/L		86
20) Allyl Chloride	2.623	76	1011	0.91	ug/L	#	64
21) Methyl Acetate	2.648	43	2467	1.23	ug/L		81
22) Methylene Chloride	2.733	84	1790m	0.74	ug/L		
23) TBA	2.873	59	4524m	11.74	ug/L		
24) Acrylonitrile	2.995	53	3238	3.38	ug/L		83
25) Methyl-t-Butyl Ether	3.044	73	4267	0.57	ug/L		88
26) trans-1,2-Dichloroethene	3.032	96	918	0.48	ug/L	#	63
27) 1,1-Diclethane	3.519	63	2273	0.60	ug/L		82
29) DIPE	3.660	45	4996	0.86	ug/L	#	60
30) 2-Chloro-1,3-Butadiene	3.672	53	2760m	0.89	ug/L		
31) ETBE	4.190	59	3690m	0.57	ug/L		
32) 2,2-Dichloropropane	4.361	77	1978	0.56	ug/L		68
33) cis-1,2-Dichloroethene	4.379	96	1464m	0.60	ug/L		
35) Propionitrile	4.507	54	1451m	3.45	ug/L		
36) Bromochloromethane	4.775	130	923m	0.61	ug/L		
37) Methacrylonitrile	4.787	67	971m	0.79	ug/L		
39) Chloroform	4.946	83	2297m	0.55	ug/L		
40) 1,1,1-Trichloroethane	5.257	97	2471m	0.67	ug/L		
44) Carbontetrachloride	5.537	117	1174	0.37	ug/L	#	54
45) 1,1-Dichloropropene	5.556	75	1730	0.53	ug/L	#	72
47) Benzene	5.866	78	5017m	0.51	ug/L		
48) 1,2-Dichloroethane	5.915	62	2289	0.61	ug/L		83

1st FNJ 09/18/20
2nd WR 09/19/20

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 15:03:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) TAME	6.104	73	3798	0.49	ug/L	#	70
51) n-Heptane	6.360	43	3911	1.58	ug/L	#	49
53) Trichloroethene	6.811	130	1366	0.55	ug/L	#	61
55) 1,2-Diclpropane	7.098	63	1580m	0.67	ug/L		
56) Dibromomethane	7.238	93	1149m	0.66	ug/L		
57) 1,4-Dioxane	7.330	88	1085m	21.31	ug/L		
58) Methyl Methacrylate	7.342	69	1991m	0.86	ug/L		
59) Bromodichloromethane	7.470	83	1947	0.54	ug/L		76
62) cis-1,3-Dichloropropene	8.012	75	2037m	0.50	ug/L		
65) Toluene	8.384	91	5834	0.57	ug/L		85
66) trans-1,3-Dichloropropene	8.665	75	2308	0.58	ug/L	#	50
67) Ethyl Methacrylate	8.799	69	2821	0.69	ug/L		77
68) 1,1,2-Trichloroethane	8.835	97	1225	0.49	ug/L		89
71) Tetrachloroethene	8.982	164	1212m	0.65	ug/L		
73) 1,3-Dichloropropane	9.012	76	1883	0.43	ug/L	#	38
74) Dibromochloromethane	9.238	129	1244	0.48	ug/L	#	43
75) N-Butyl Acetate	9.293	43	3415	0.76	ug/L		97
76) 1,2-Dibromoethane	9.329	107	1191	0.45	ug/L		89
77) 3-Chlorobenzotrifluoride	9.860	180	1482	0.41	ug/L		94
78) Chlorobenzene	9.829	112	2971	0.45	ug/L	#	61
79) 4-Chlorobenzotrifluoride	9.902	180	1074	0.34	ug/L		82
80) 1,1,1,2-Tetrachloroethane	9.921	131	928	0.38	ug/L	#	66
81) Ethylbenzene	9.945	106	1594	0.44	ug/L	#	47
82) (m+p)Xylene	10.073	106	3371	0.75	ug/L	#	72
83) o-Xylene	10.427	106	2377	0.53	ug/L		97
84) Styrene	10.439	104	3348	0.44	ug/L		87
85) Bromoform	10.591	173	748	0.43	ug/L	#	44
86) 2-Chlorobenzotrifluoride	10.664	180	1387	0.39	ug/L		93
87) Isopropylbenzene	10.750	105	4405	0.38	ug/L		97
88) Cyclohexanone	10.823	55	5960	12.16	ug/L		98
89) trans-1,4-Dichloro-2-B...	11.061	53	679m	0.86	ug/L		
91) 1,1,2,2-Tetrachloroethane	11.012	83	1857	0.51	ug/L		98
92) Bromobenzene	11.012	156	1756	0.60	ug/L	#	35
93) 1,2,3-Trichloropropane	11.042	110	374	0.30	ug/L	#	51
94) n-Propylbenzene	11.109	91	5873	0.48	ug/L		92
95) 2-Chlorotoluene	11.176	91	4347	0.54	ug/L		99
96) 3-Chlorotoluene	11.225	91	4533	0.55	ug/L		90
97) 4-Chlorotoluene	11.268	91	4366	0.49	ug/L		85
98) 1,3,5-Trimethylbenzene	11.268	105	3525	0.38	ug/L		86
99) tert-Butylbenzene	11.536	119	3633	0.47	ug/L		97
100) 1,2,4-Trimethylbenzene	11.573	105	3684	0.39	ug/L		84
101) 3,4-Dichlorobenzotrifl...	11.634	214	1484	0.55	ug/L	#	81
102) sec-Butylbenzene	11.719	105	5109	0.45	ug/L		84
103) p-Isopropyltoluene	11.841	119	3997	0.44	ug/L	#	49
104) 1,3-Dclbenz	11.810	146	2376	0.44	ug/L	#	62
105) 1,4-Dclbenz	11.877	146	3250	0.59	ug/L	#	70
106) 2,4-Dichlorobenzotrifl...	11.926	214	1100	0.46	ug/L		88
107) 2,5-Dichlorobenzotrifl...	11.969	214	1458	0.54	ug/L	#	58
108) n-Butylbenzene	12.176	91	4405	0.53	ug/L		97
109) 1,2-Dclbenz	12.170	146	2315	0.43	ug/L		84
110) 1,2-Dibromo-3-chloropr...	12.798	157	461	0.54	ug/L	#	67
111) Trielution Dichlorotol...	12.920	125	5870	1.25	ug/L		94
112) 1,3,5-Trichlorobenzene	12.969	180	1868	0.48	ug/L	#	72
113) Coelution Dichlorotoluene	13.243	125	4623	0.91	ug/L		91
114) 1,2,4-Tcbenzene	13.450	180	1488	0.40	ug/L	#	59
115) Hexachlorobt	13.591	225	758	0.48	ug/L	#	40

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 15:03:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration

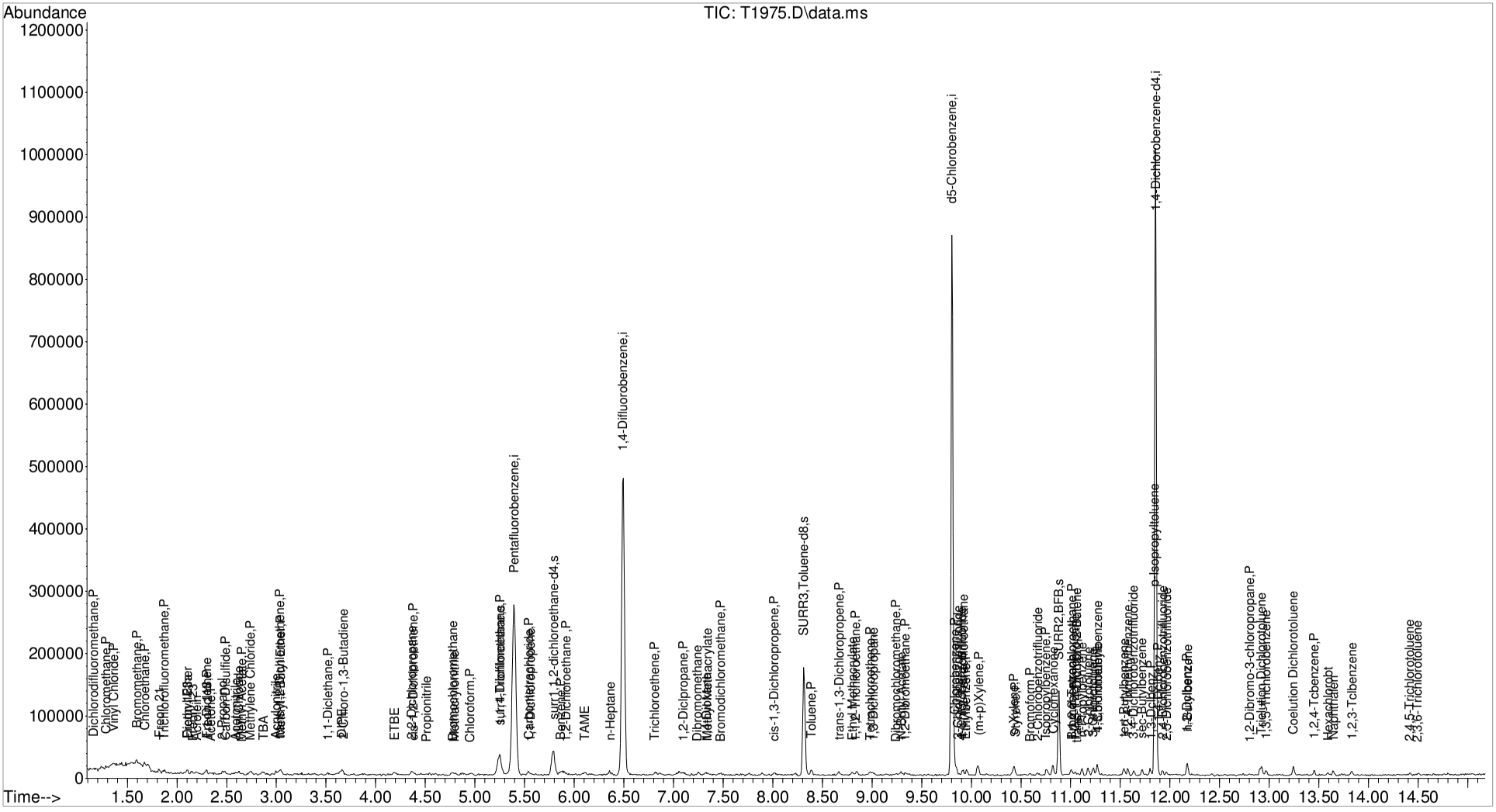
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
116) Naphthalen	13.645	128	3333	0.34	ug/L		79
117) 1,2,3-Tclbenzene	13.834	180	1590	0.44	ug/L	#	71
118) 2,4,5-Trichlorotoluene	14.414	159	707	0.30	ug/L	#	76
119) 2,3,6-Trichlorotoluene	14.493	159	786	0.36	ug/L	#	60

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1975.D
Acq On : 17 Sep 2020 12:47 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 15:03:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Tue Sep 15 14:18:43 2020
Response via : Initial Calibration

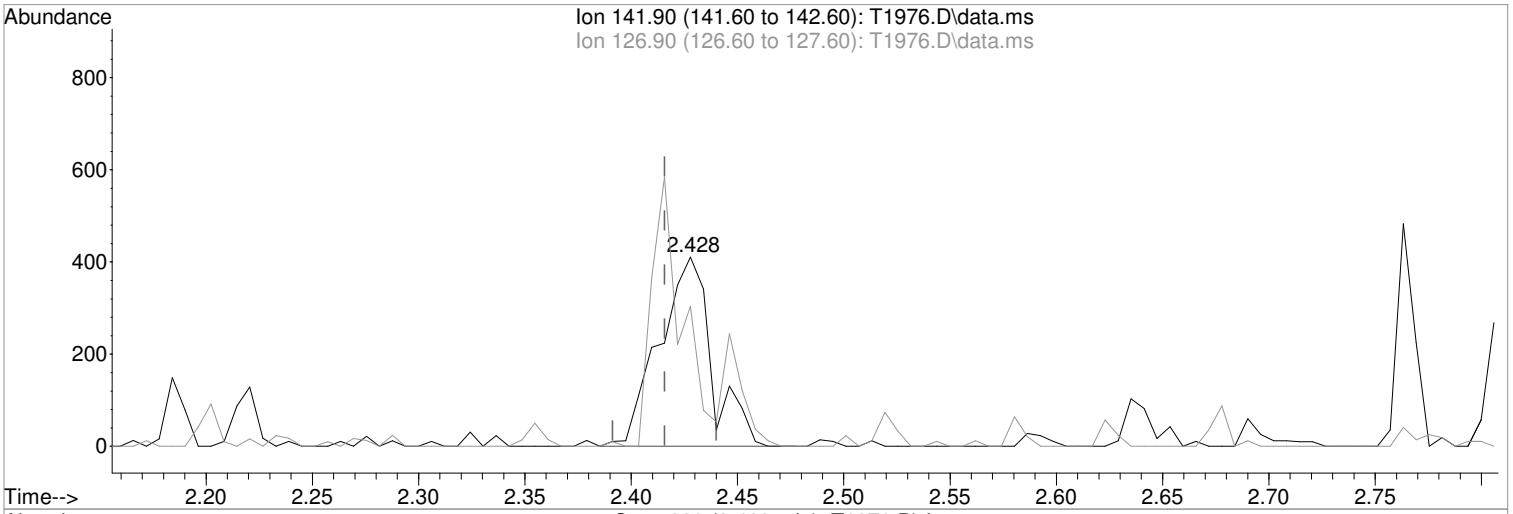


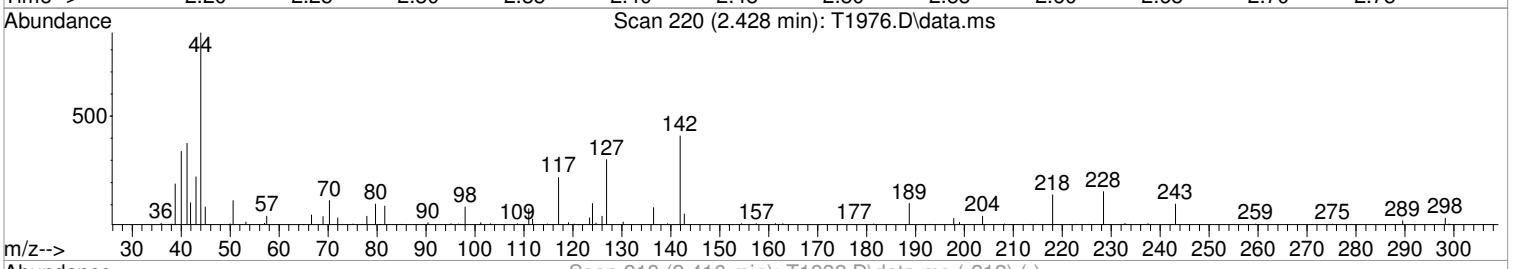
1st FN 09/18/20
2nd 09/16/20

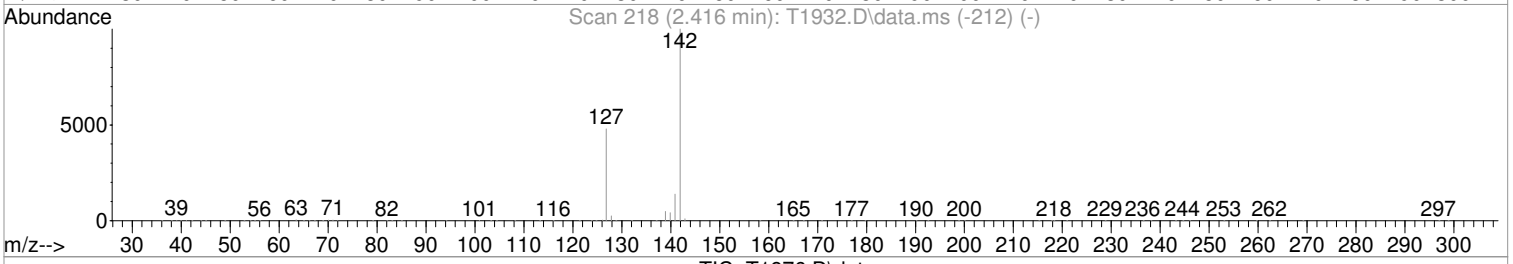
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(17) Iodomethane

2.428min (+0.012) 0.22 ug/L m

response 707

Ion	Exp%	Act%
141.90	100	100
126.90	48.00	73.97#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

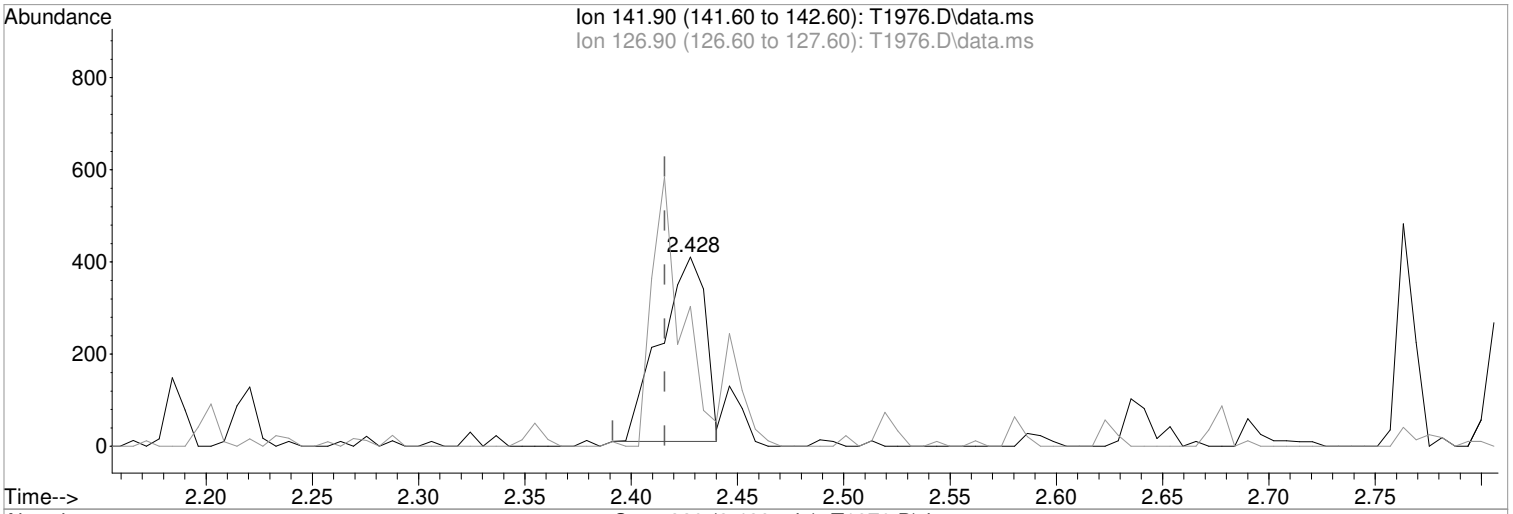
Poor integration.

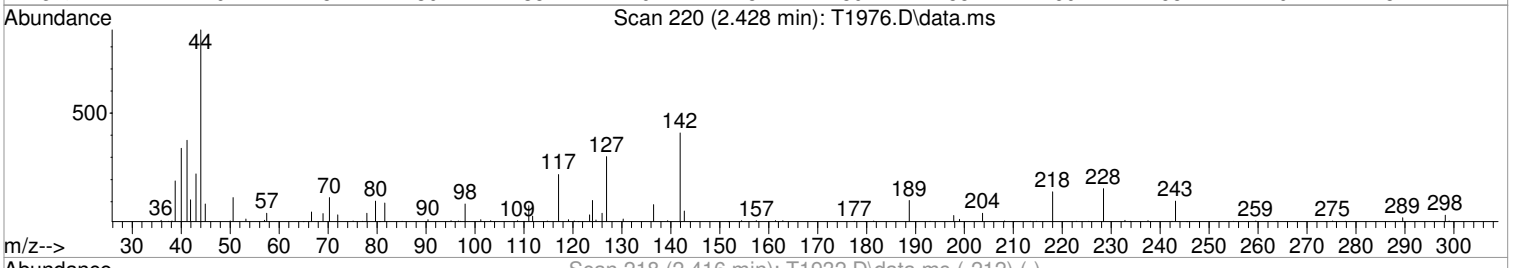
09/17/20

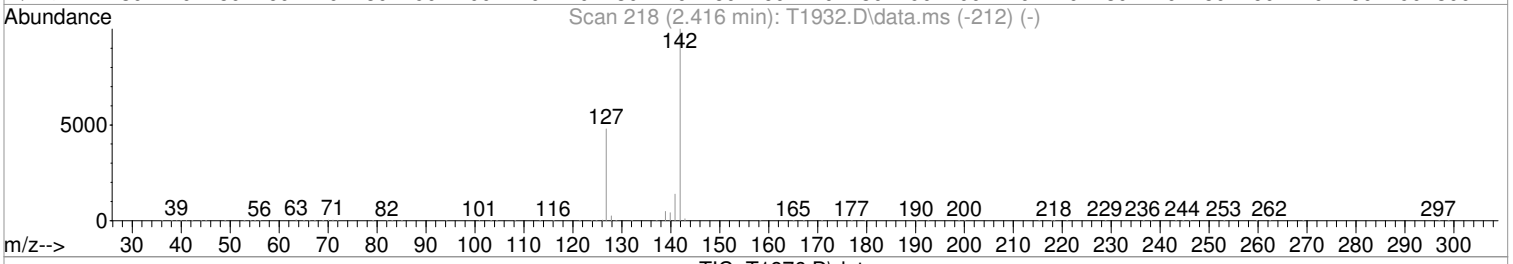
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(17) Iodomethane

2.428min (+0.012) 0.19 ug/L

response 589

Ion	Exp%	Act%
141.90	100	100
126.90	48.00	73.97#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

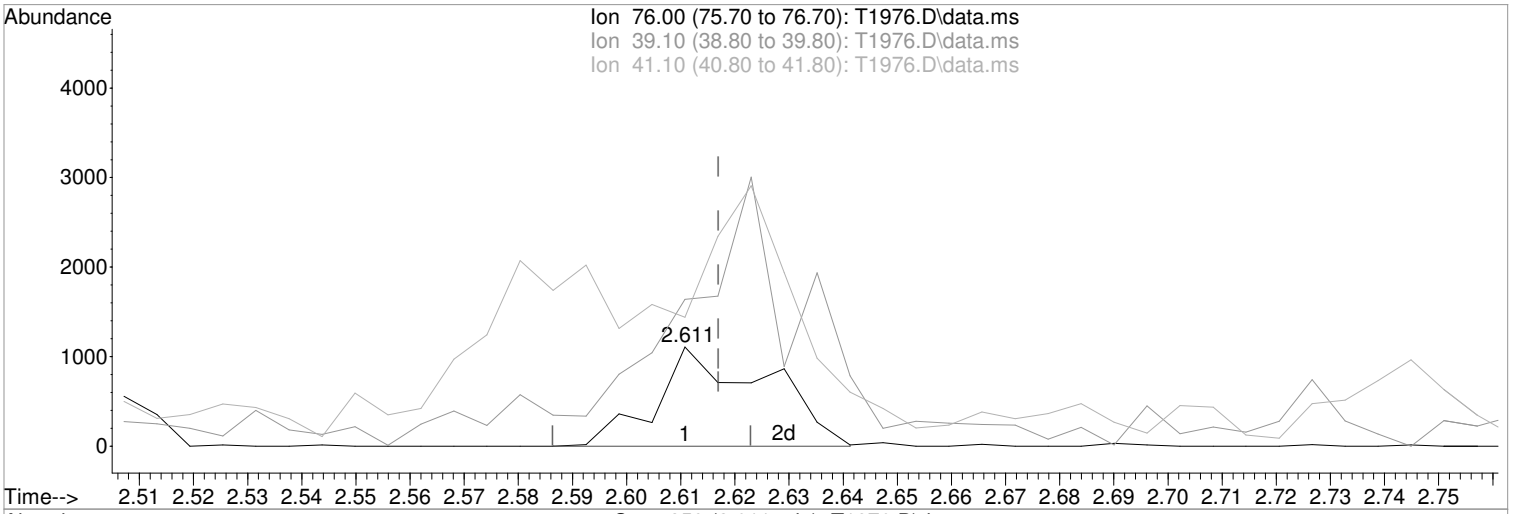
Before

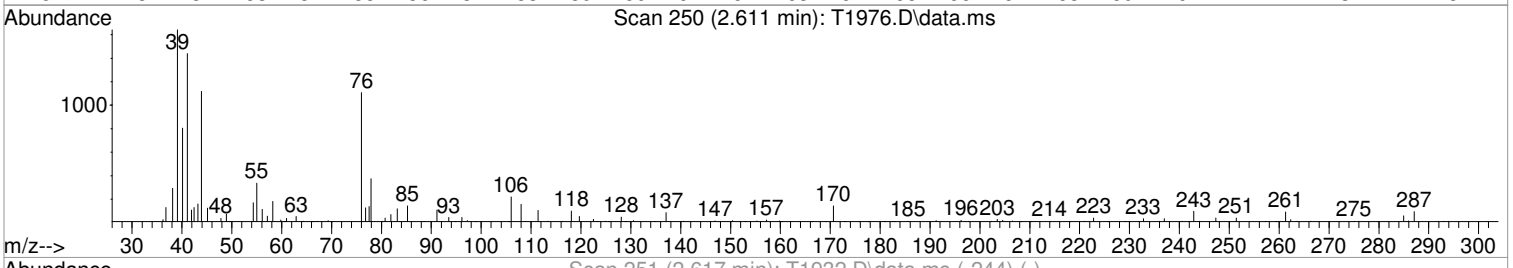
09/17/20

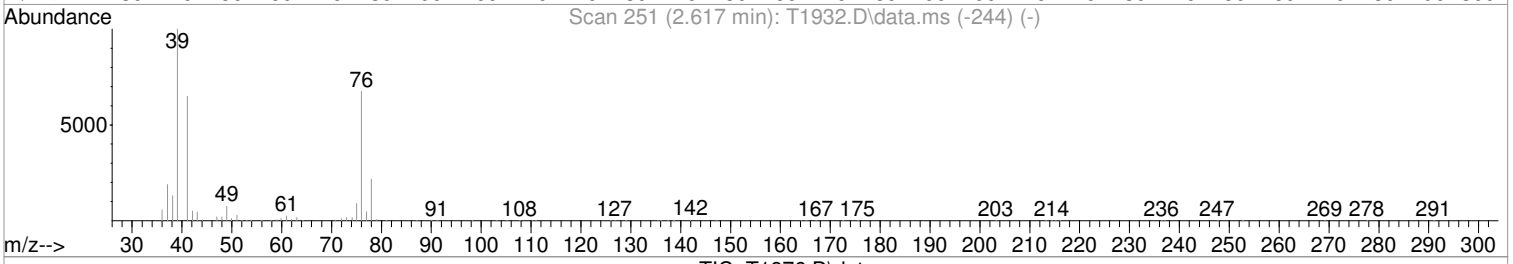
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(20) Allyl Chloride

2.611min (-0.006) 1.19 ug/L m

response 1580

Ion	Exp%	Act%
76.00	100	100
39.10	172.60	148.10#
41.10	226.40	129.87#
0.00	0.00	0.00

Manual Integration:

After

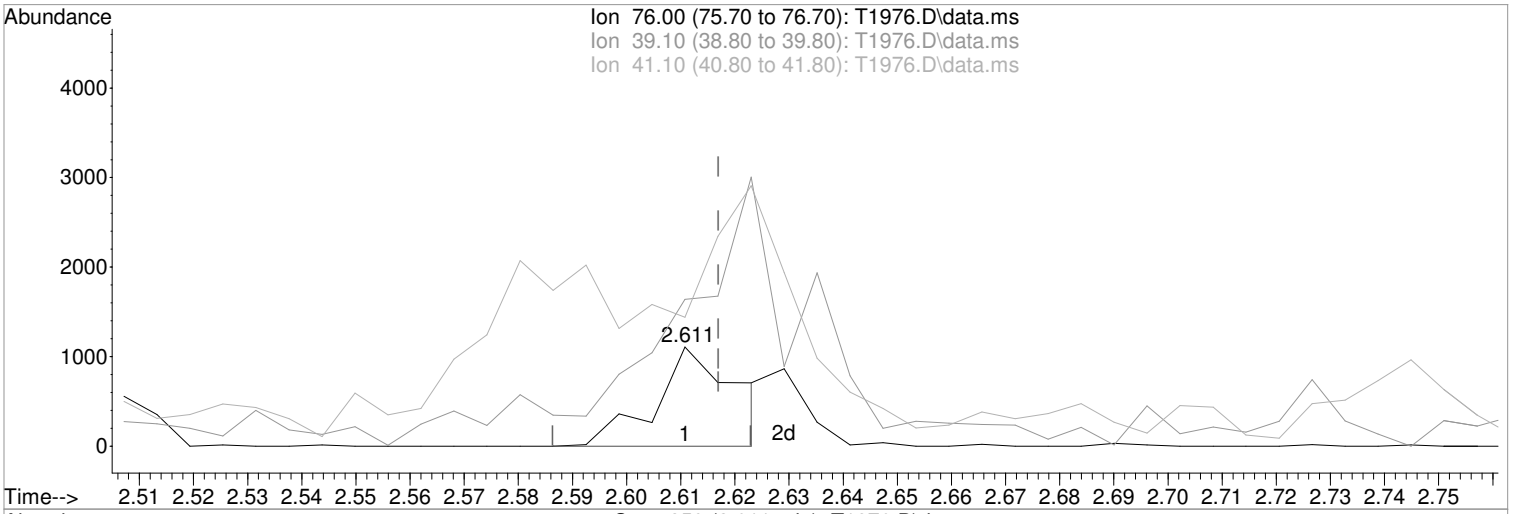
Poor integration.

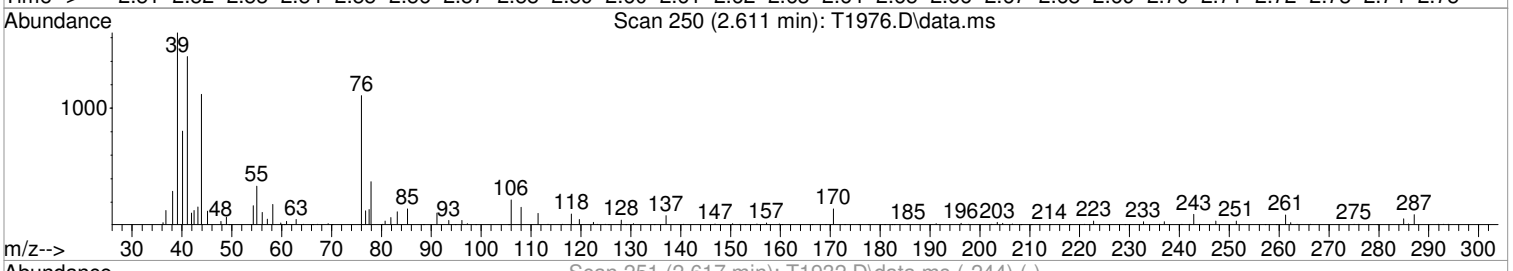
09/17/20

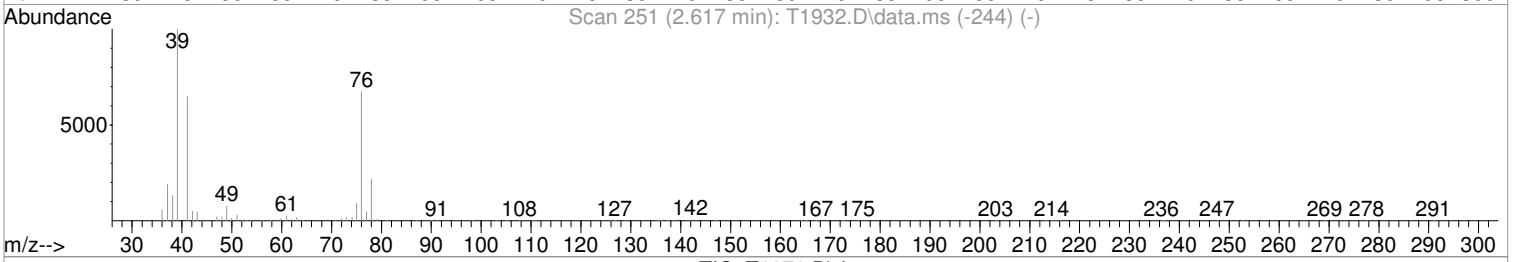
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(20) Allyl Chloride

2.611min (-0.006) 0.88 ug/L

response 1160

Ion	Exp%	Act%
76.00	100	100
39.10	172.60	148.10#
41.10	226.40	129.87#
0.00	0.00	0.00

Manual Integration:

Before

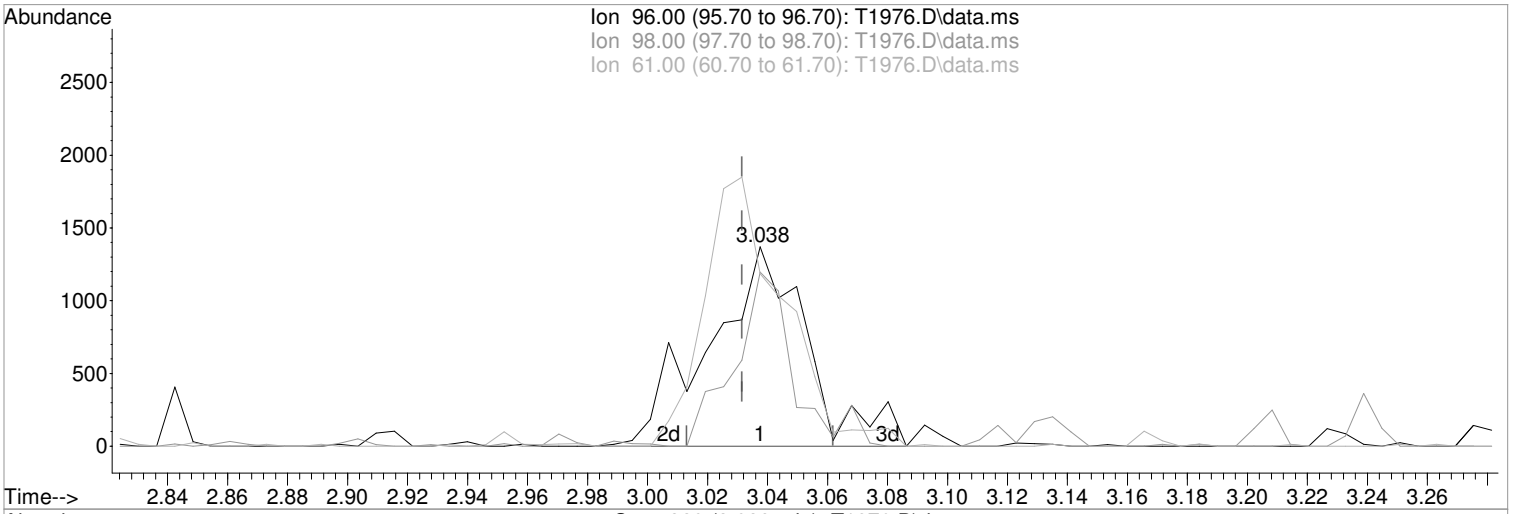
09/17/20

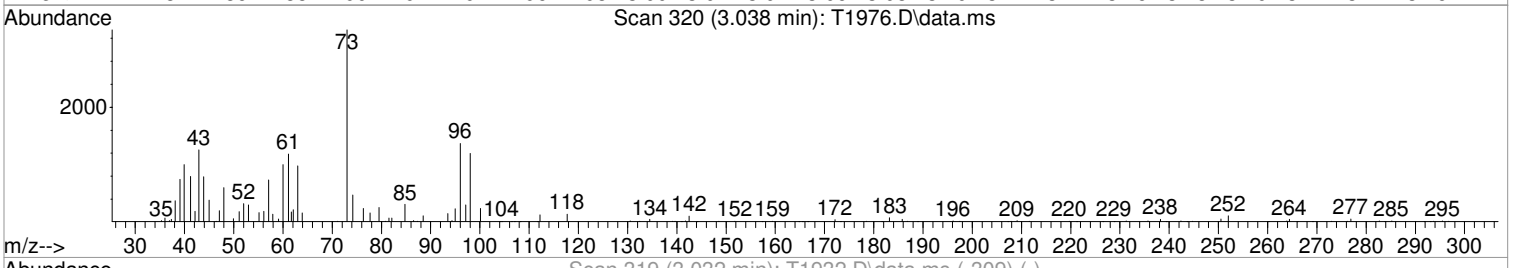
1st FN 09/18/20
2nd 09/19/20

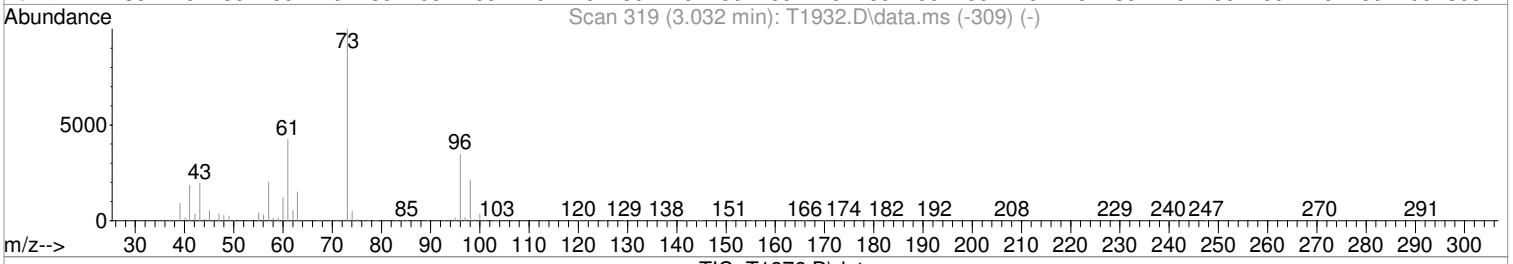
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

3.038min (+0.006) 1.52 ug/L m

response 3113

Ion	Exp%	Act%
96.00	100	100
98.00	61.60	87.31#
61.00	122.00	86.51#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

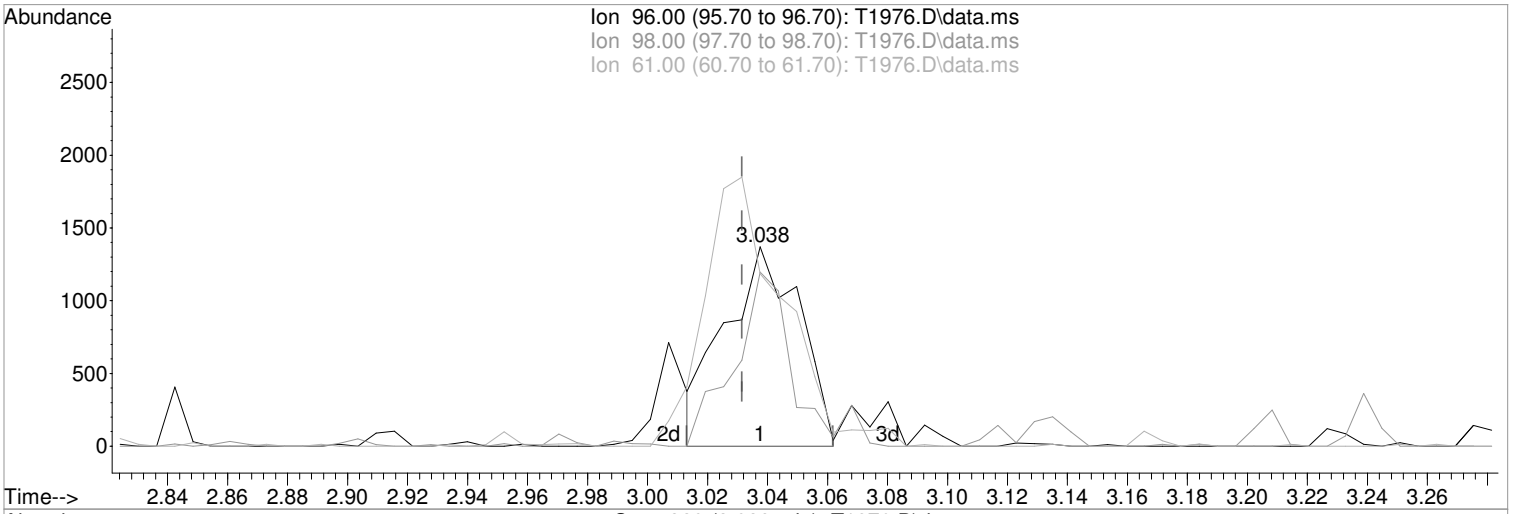
09/17/20

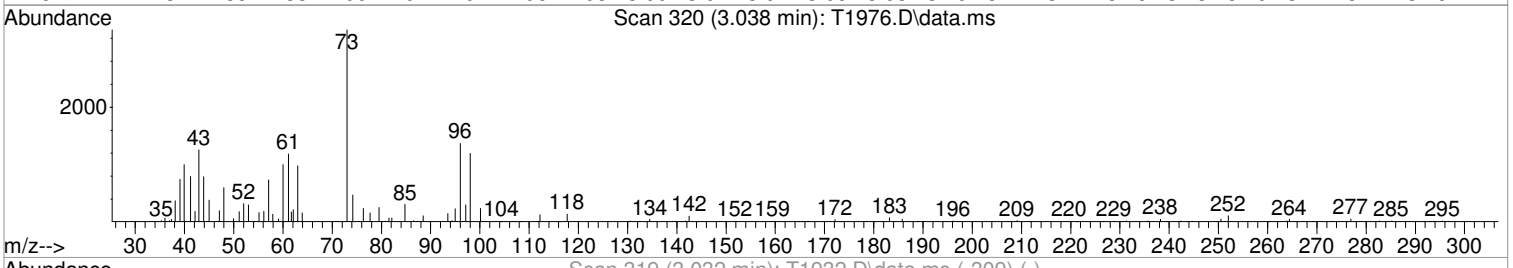
1st FN 09/18/20
2nd 09/19/20

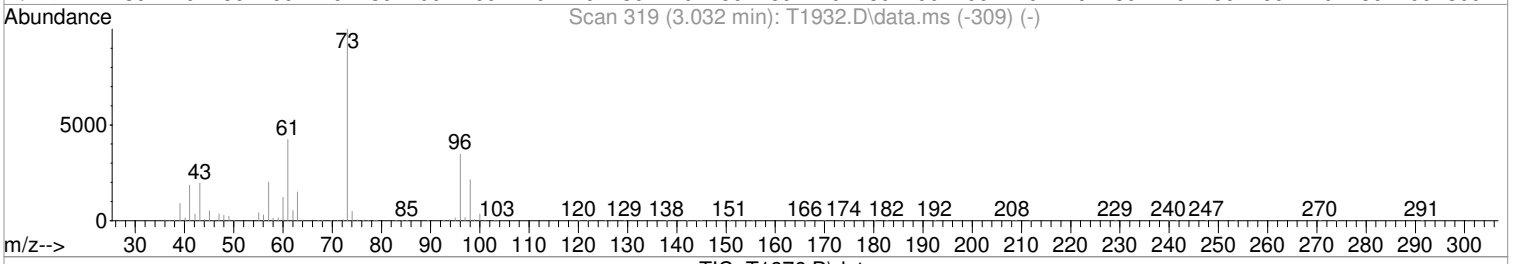
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

3.038min (+0.006) 1.16 ug/L

response 2367

Ion	Exp%	Act%
96.00	100	100
98.00	61.60	87.31#
61.00	122.00	99.56#
0.00	0.00	0.00

Manual Integration:

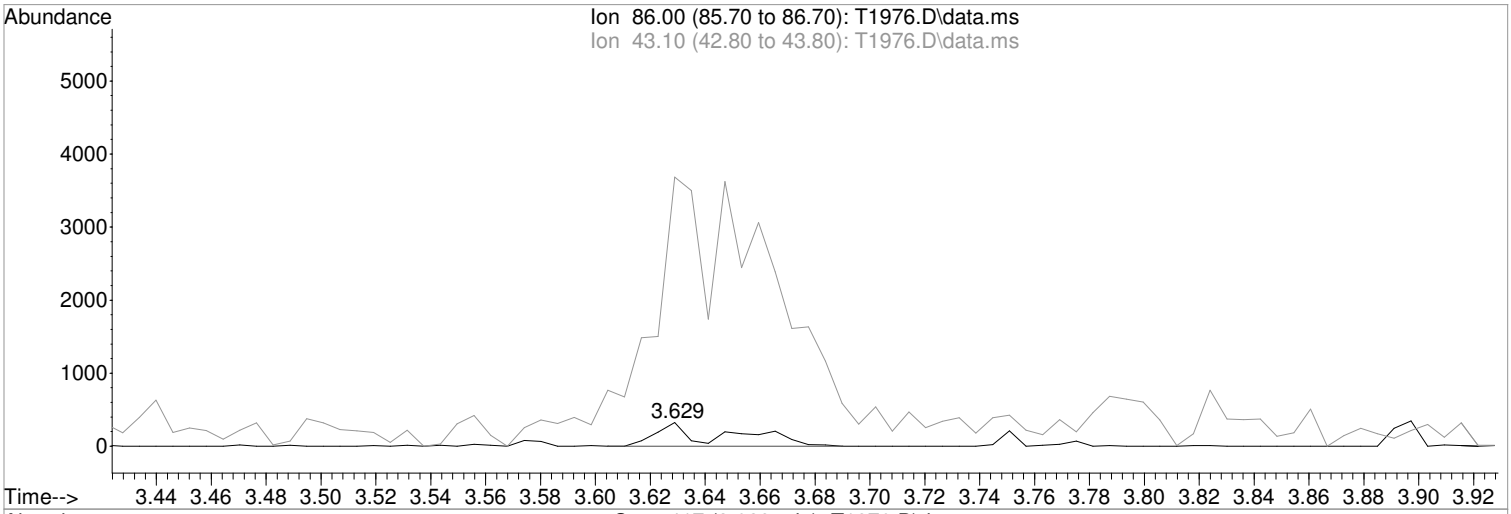
Before

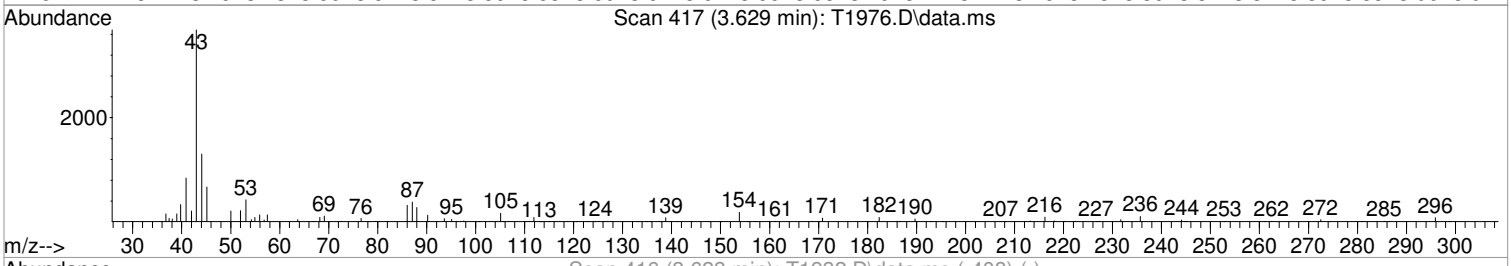
09/17/20

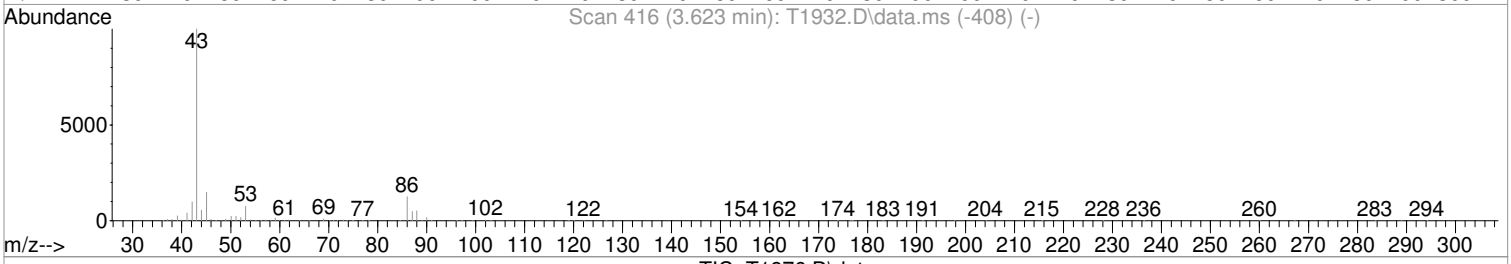
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(28) Vinyl Acetate

3.629min (+0.006) 1.29 ug/L m

response 574

Ion	Exp%	Act%
86.00	100	100
43.10	800.10	1140.25#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

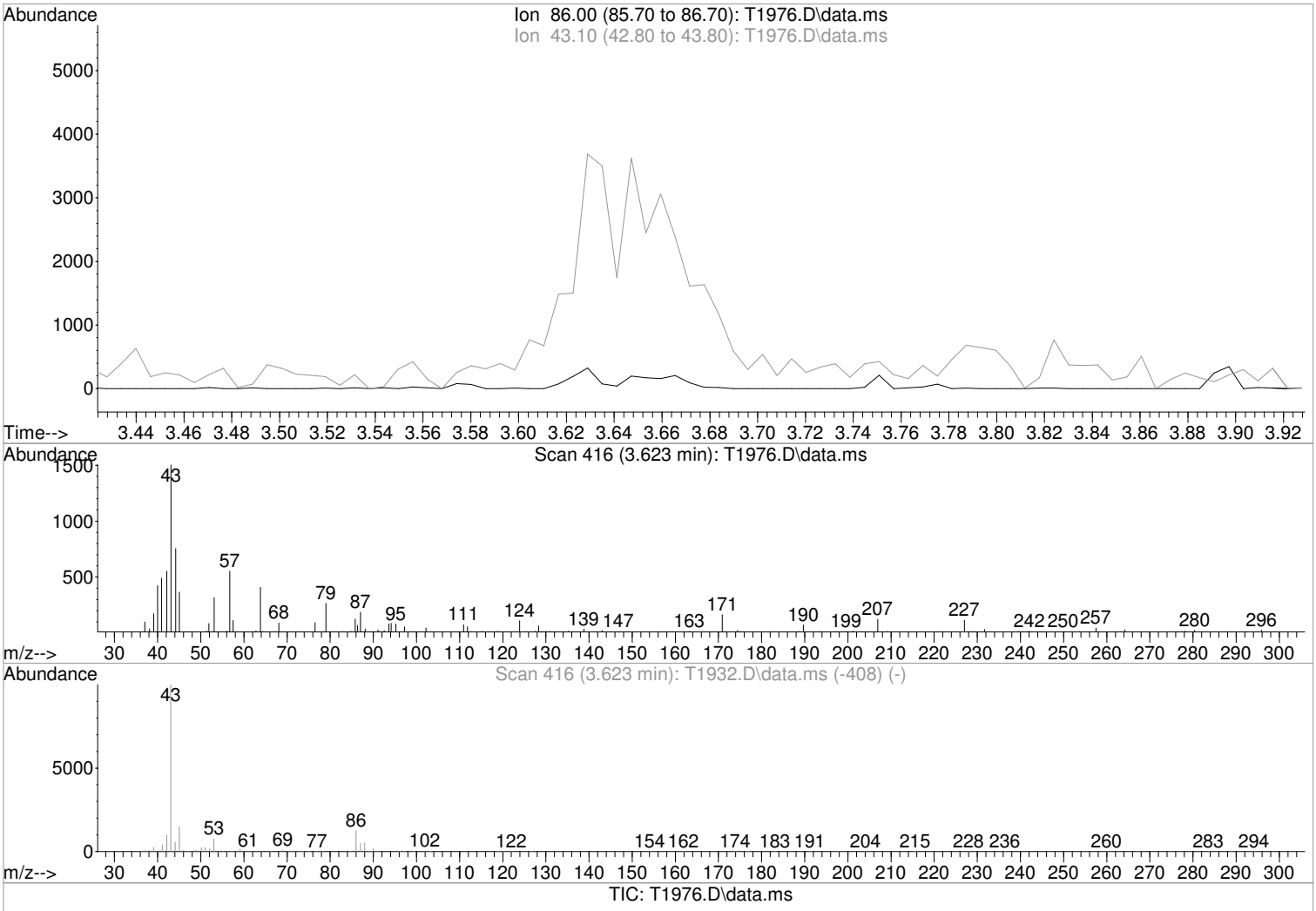
Peak not found.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(28) Vinyl Acetate

3.623min (-3.623) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.00	100	0.00
43.10	800.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

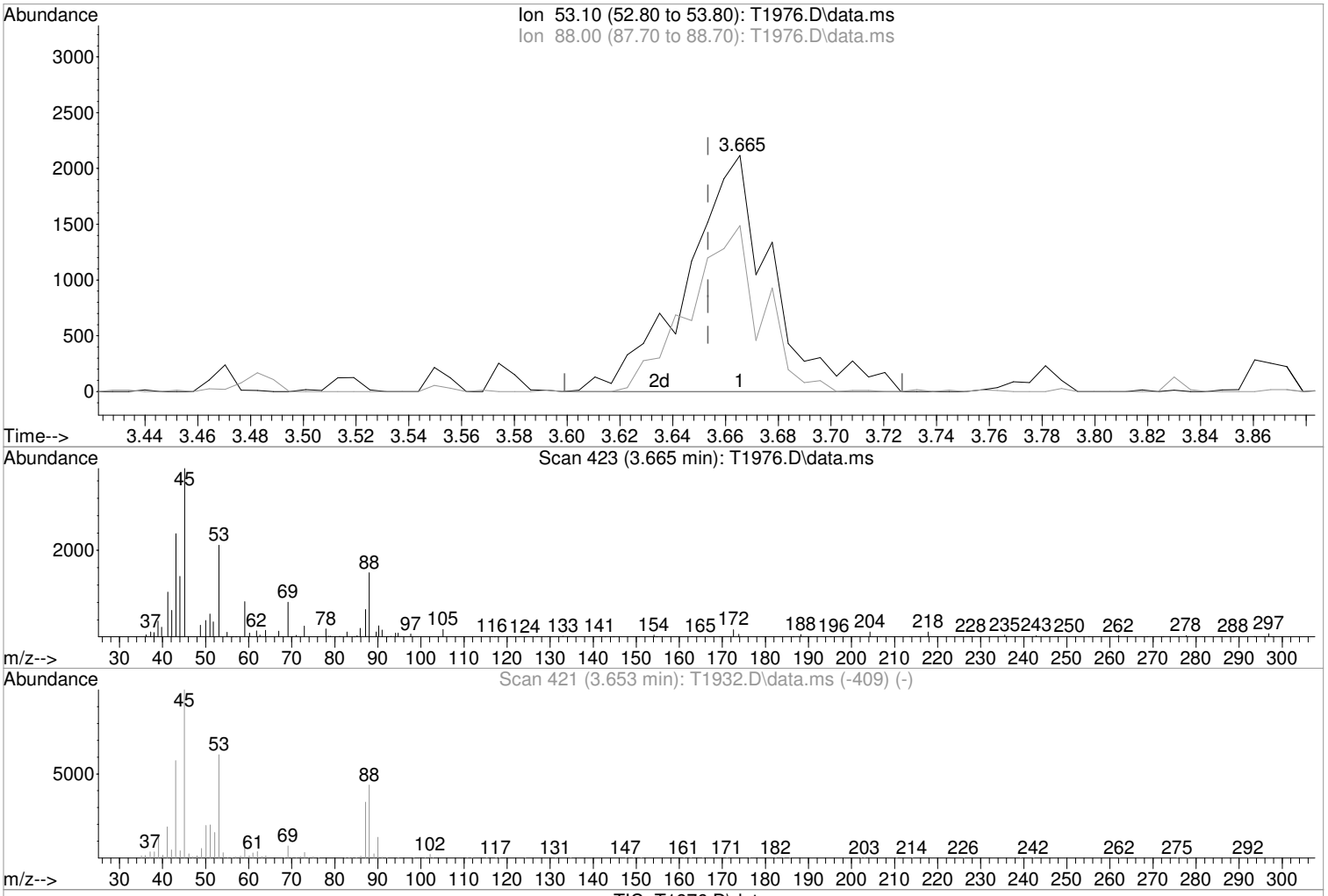
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.665min (+0.012) 1.32 ug/L m

response 4758

Ion	Exp%	Act%
53.10	100	100
88.00	70.60	70.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

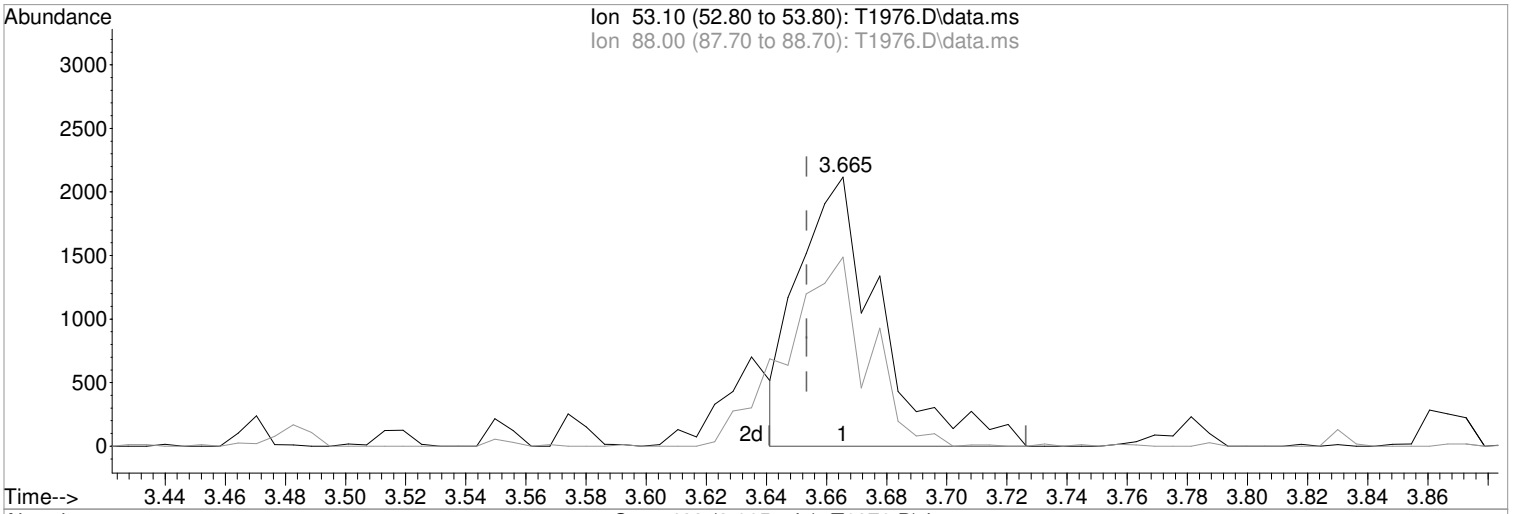
Poor integration.

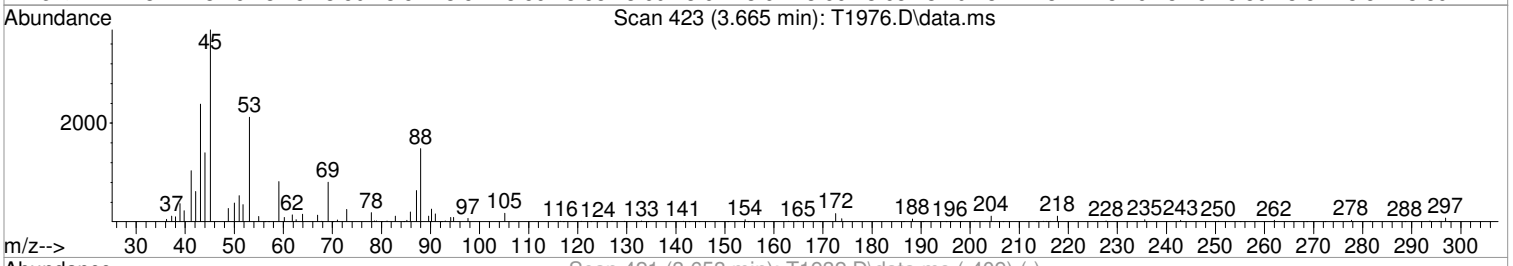
09/17/20

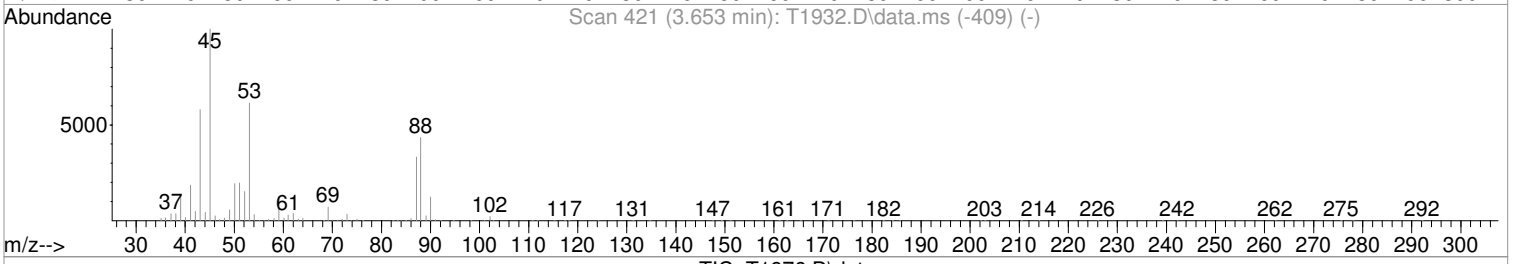
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.665min (+0.012) 1.10 ug/L

response 3957

Ion	Exp%	Act%
53.10	100	100
88.00	70.60	70.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

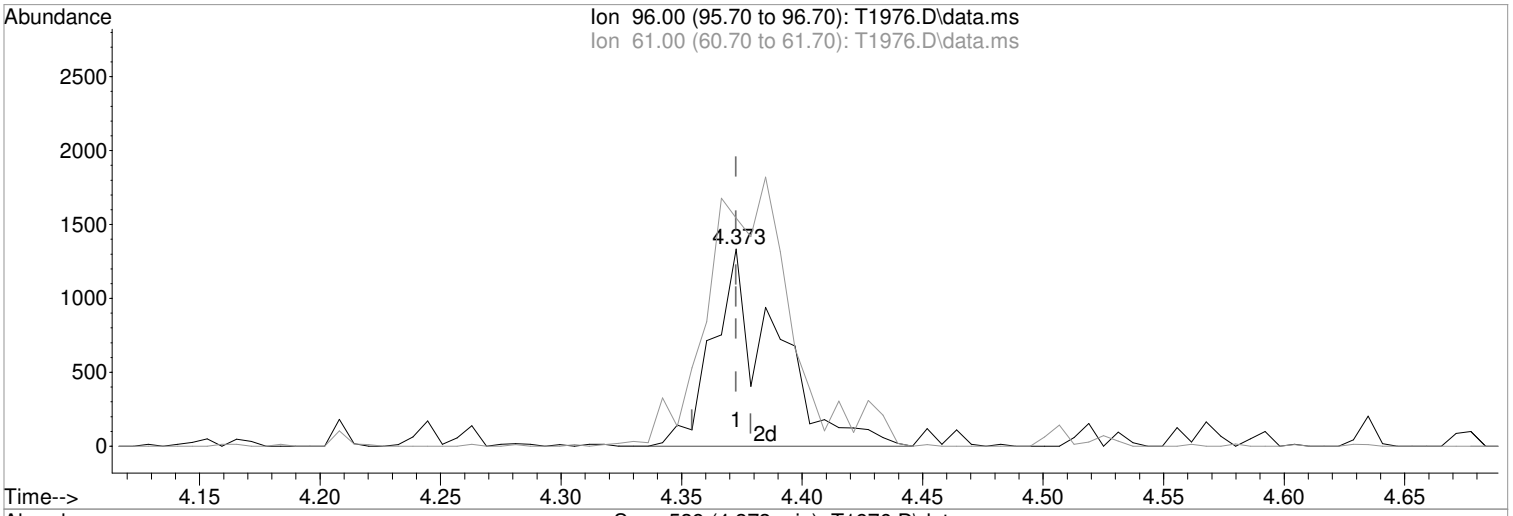
Before

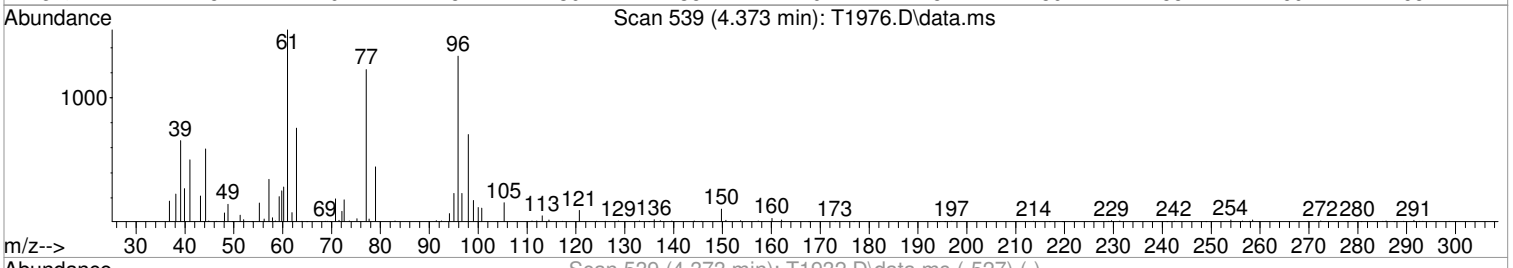
09/17/20

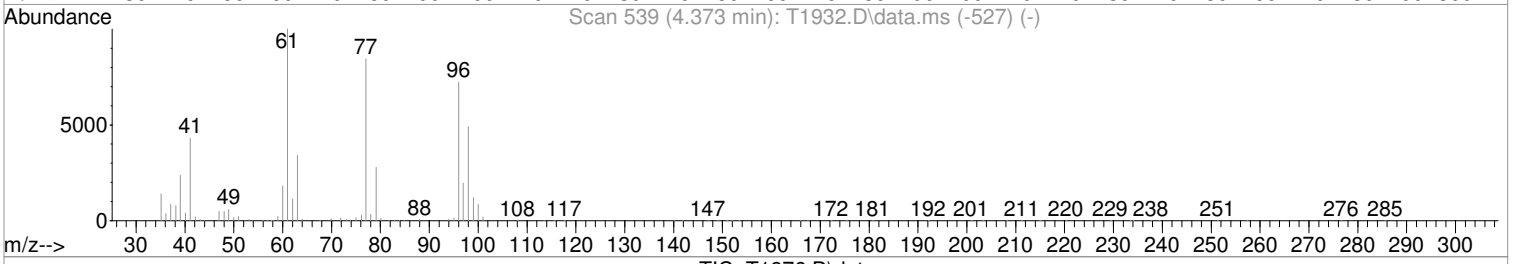
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

4.373min (-0.000) 0.91 ug/L m

response 2411

Ion	Exp%	Act%
96.00	100	100
61.00	138.40	115.75#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

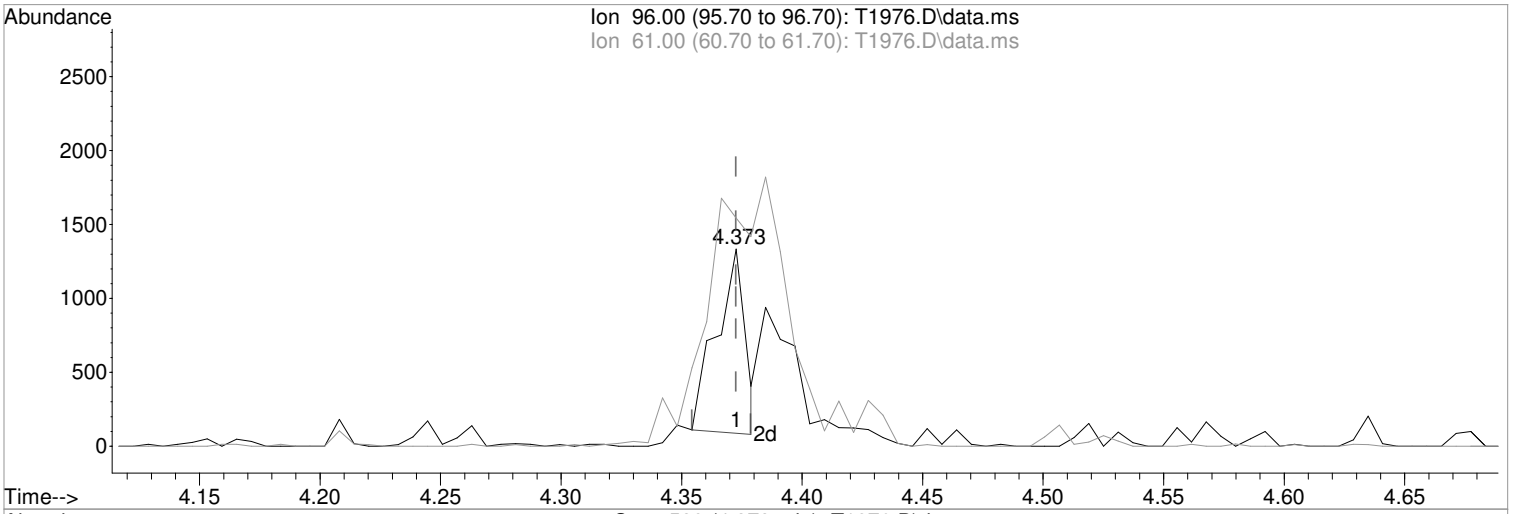
Poor integration.

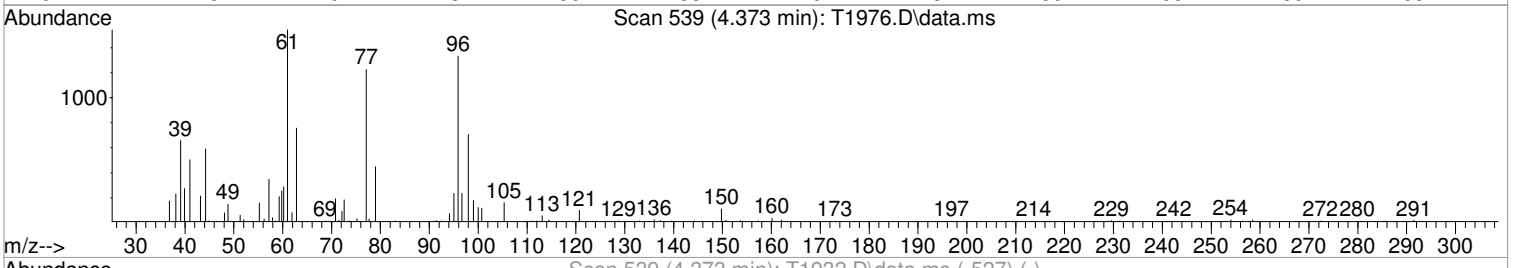
09/17/20

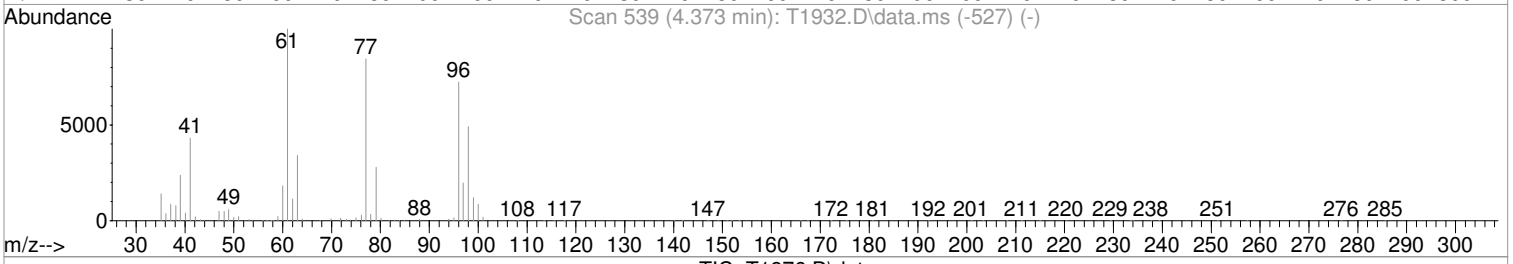
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

4.373min (-0.000) 0.39 ug/L

response 1032

Ion	Exp%	Act%
96.00	100	100
61.00	138.40	98.34#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

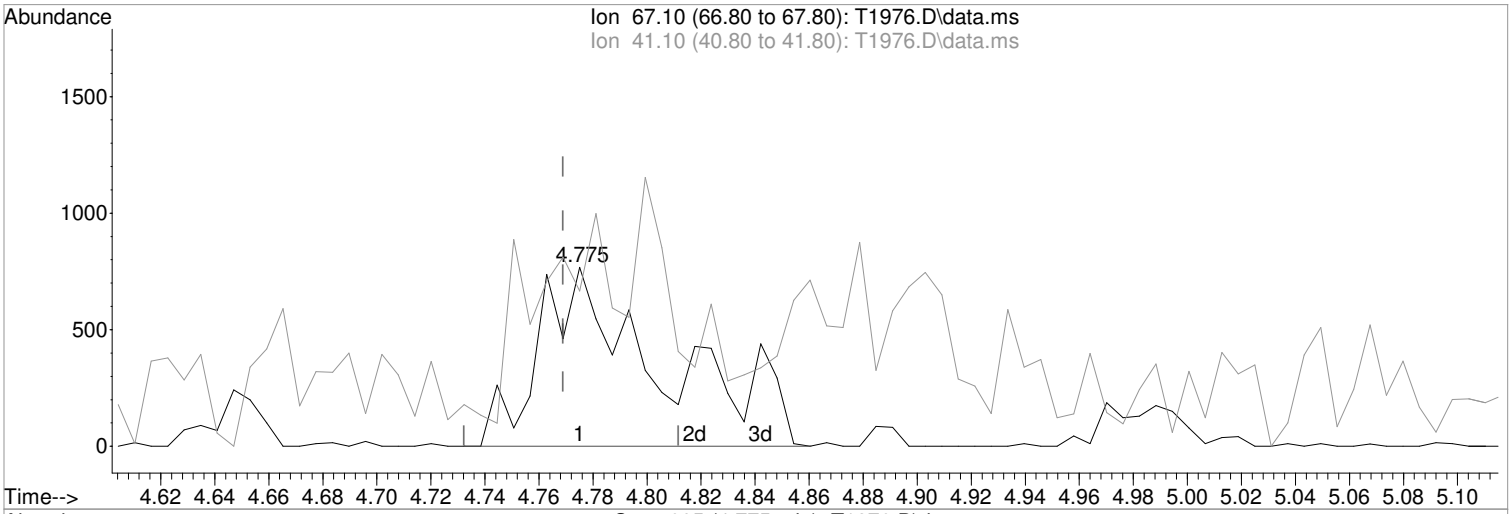
Before

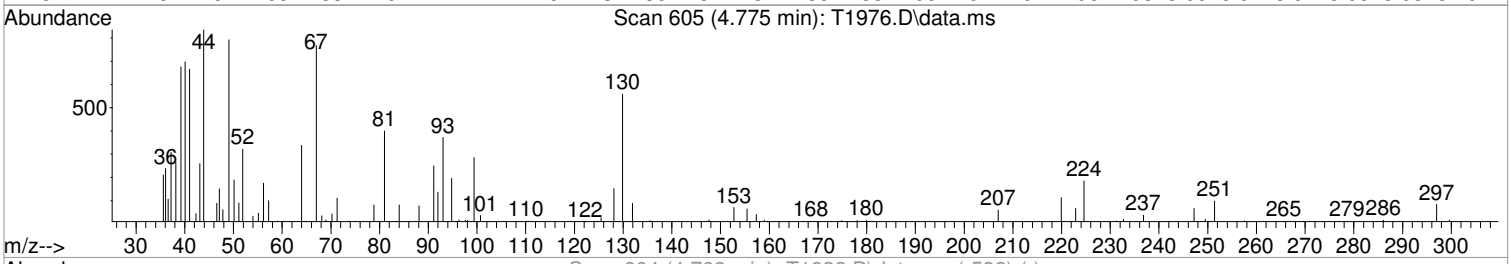
09/17/20

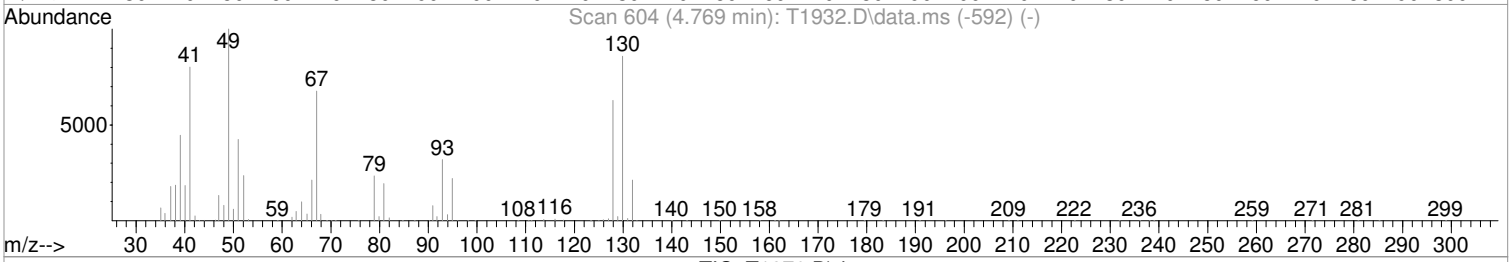
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(37) Methacrylonitrile

4.775min (+0.006) 1.83 ug/L m

response 2454

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	86.72#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

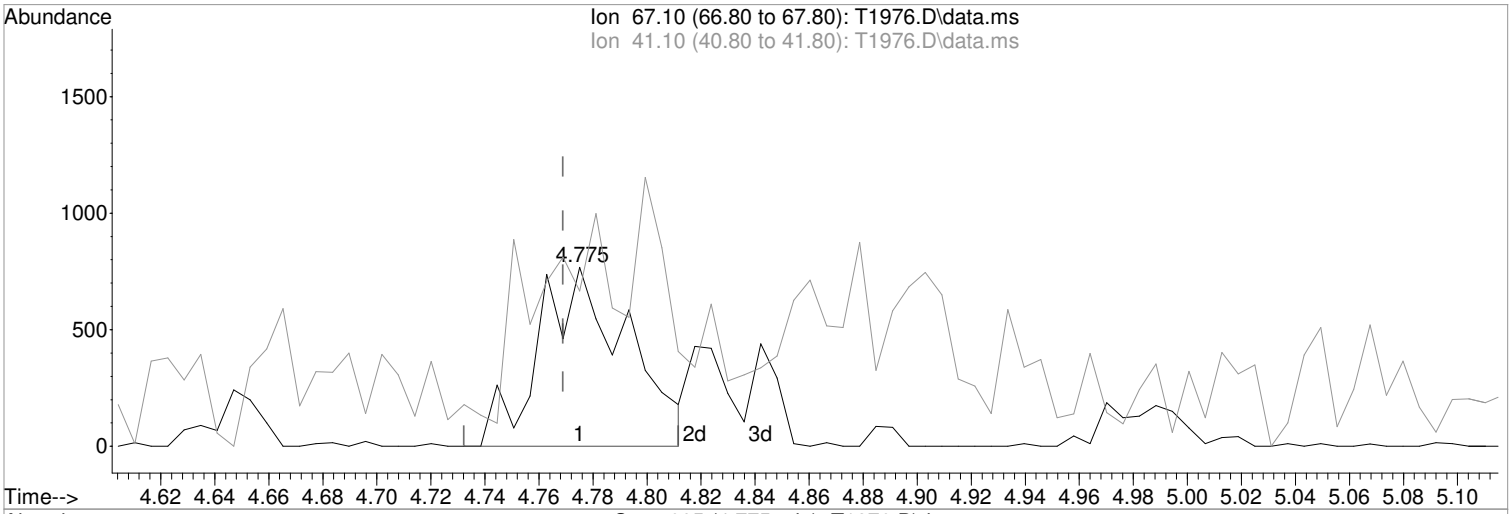
Poor integration.

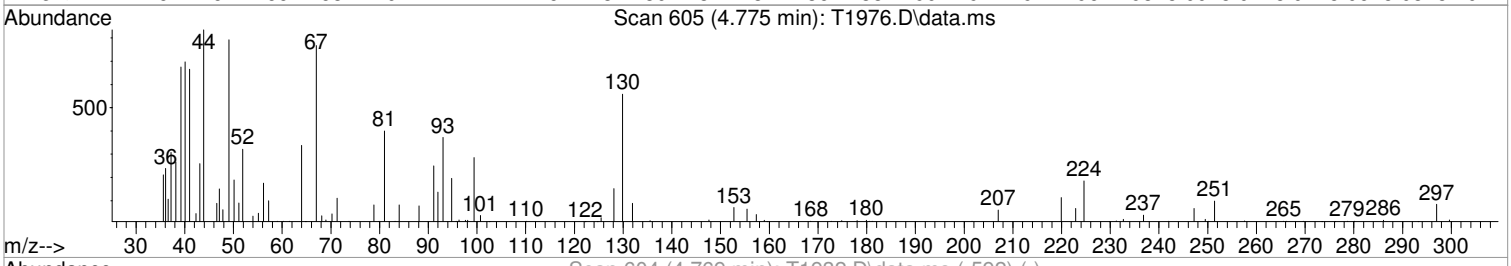
09/17/20

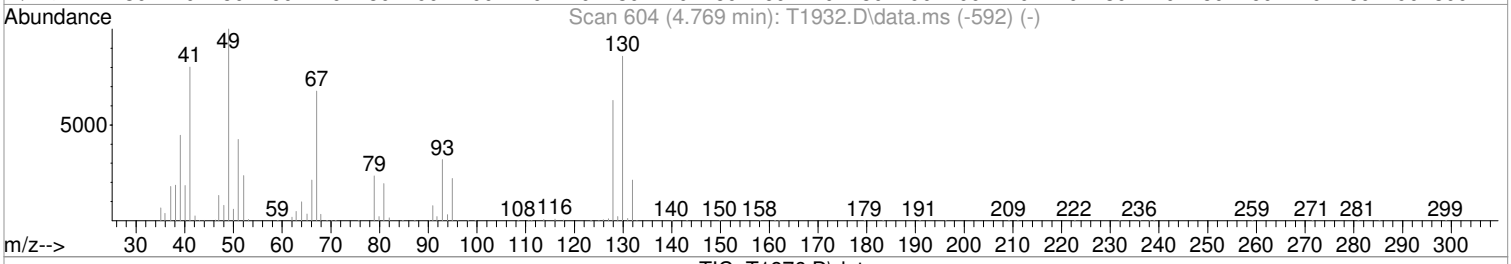
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(37) Methacrylonitrile

4.775min (+0.006) 1.31 ug/L

response 1751

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	86.72#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

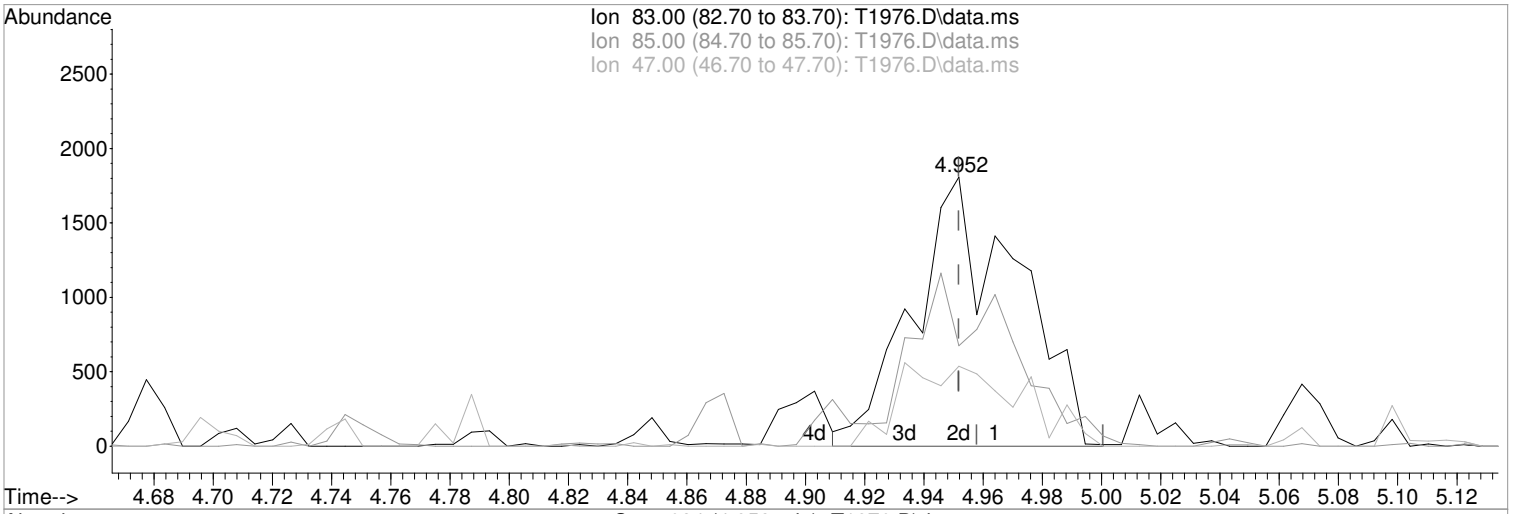
Before

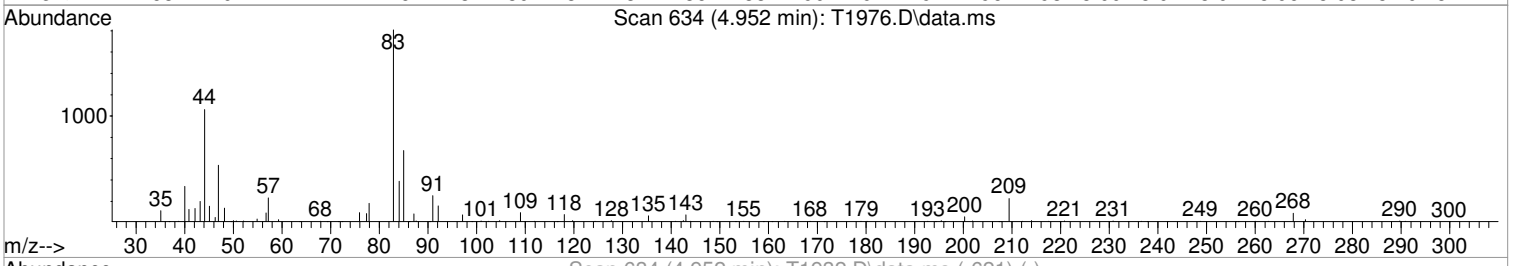
09/17/20

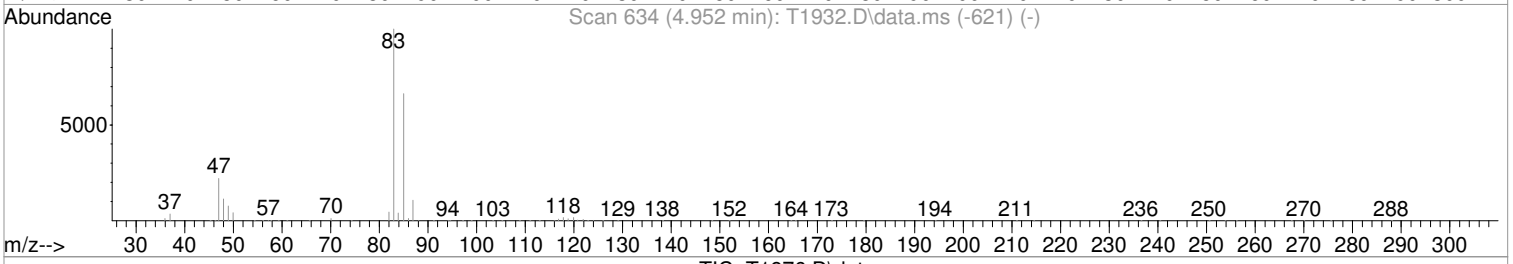
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(39) Chloroform (P)

4.952min (-0.000) 0.97 ug/L m

response 4434

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	37.39#
47.00	22.10	29.76
0.00	0.00	0.00

Manual Integration:

After

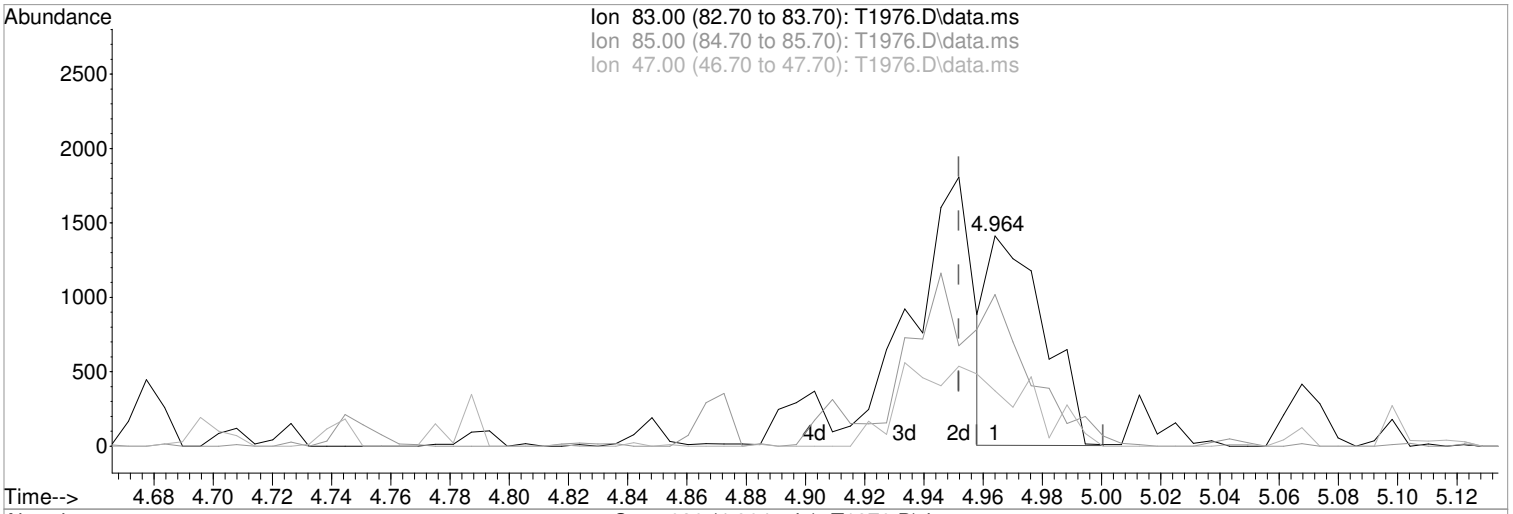
Poor integration.

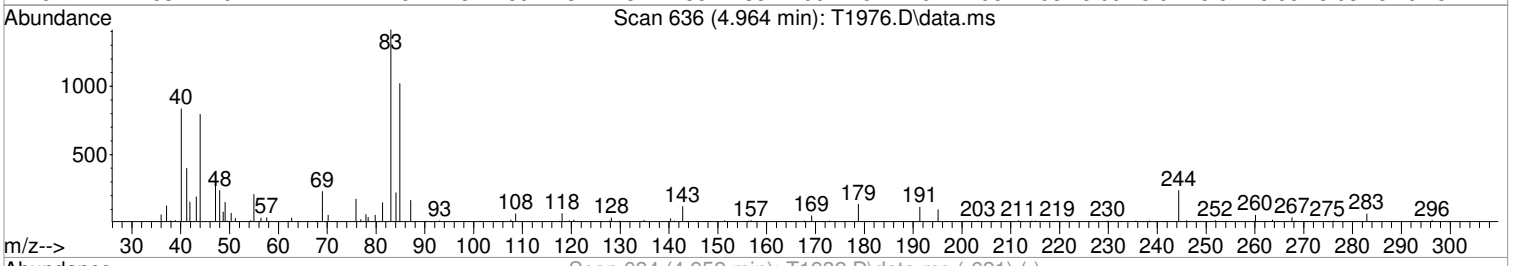
09/17/20

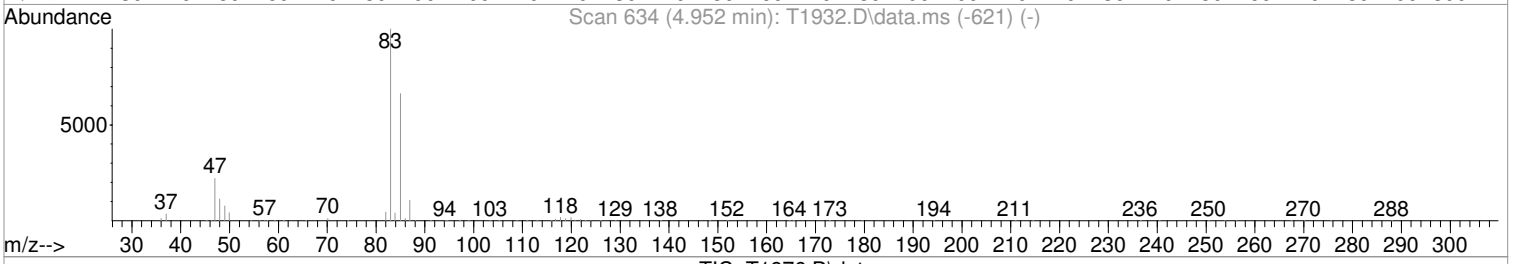
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(39) Chloroform (P)

4.964min (+0.012) 0.41 ug/L

response 1857

Ion	Exp%	Act%
83.00	100	100
85.00	66.40	72.17
47.00	22.10	26.27
0.00	0.00	0.00

Manual Integration:

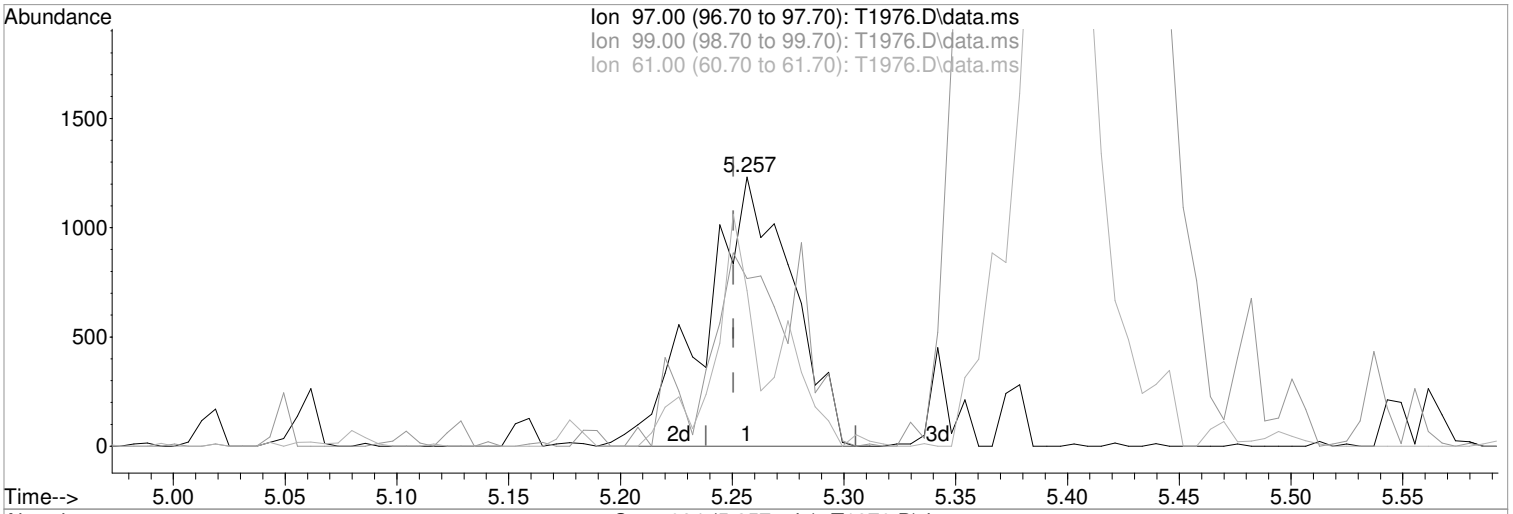
Before

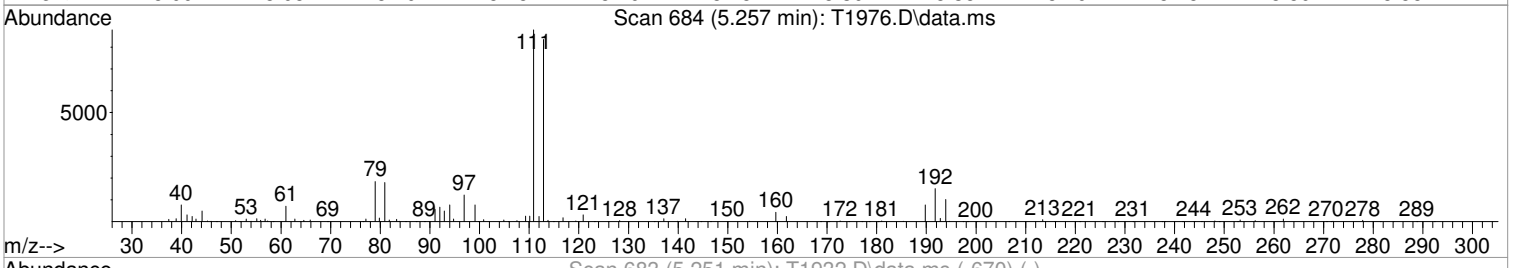
09/17/20

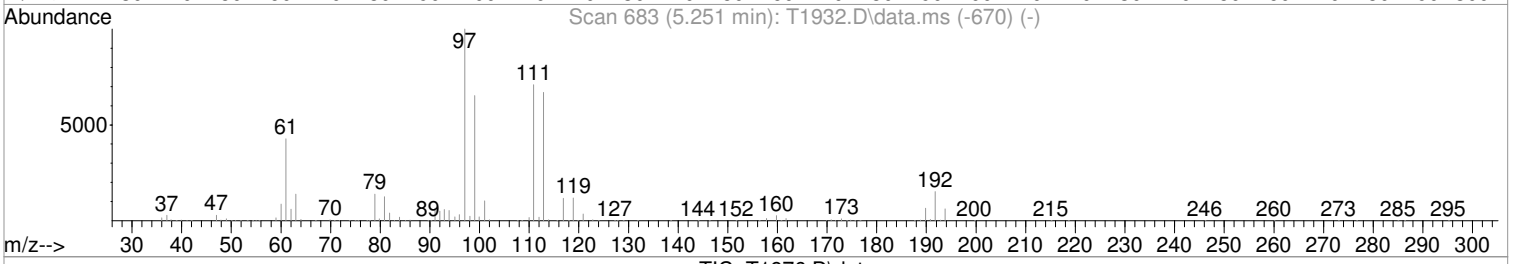
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

5.257min (+0.006) 0.82 ug/L m

response 3346

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	62.31
61.00	42.70	57.76
0.00	0.00	0.00

Manual Integration:

After

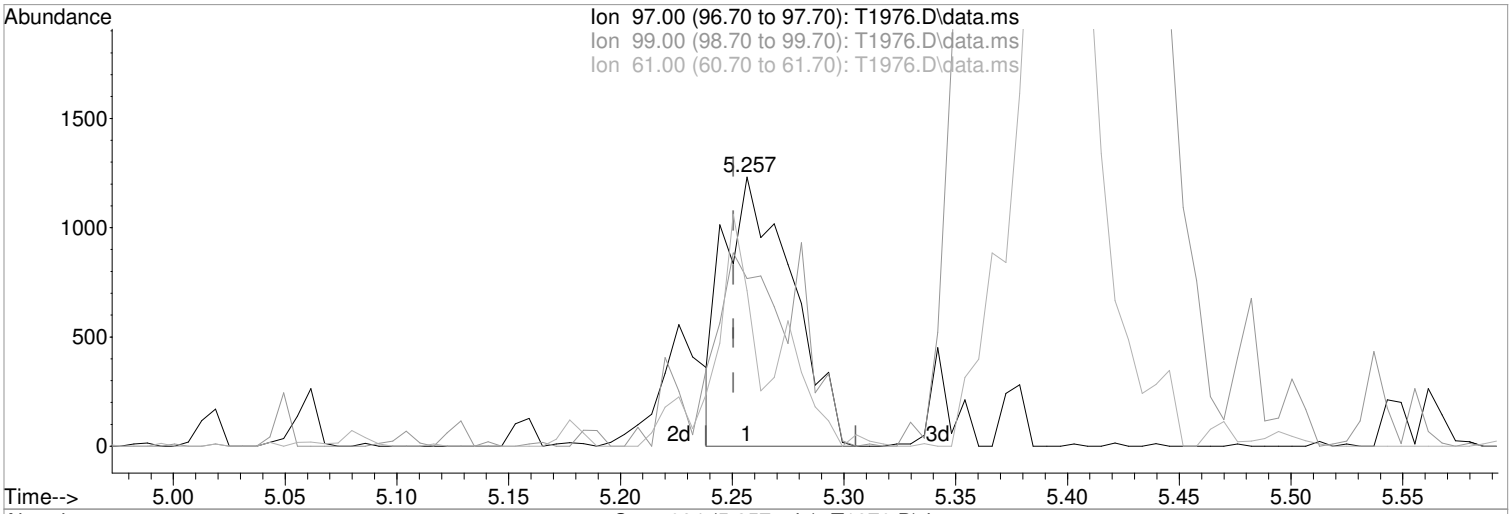
Poor integration.

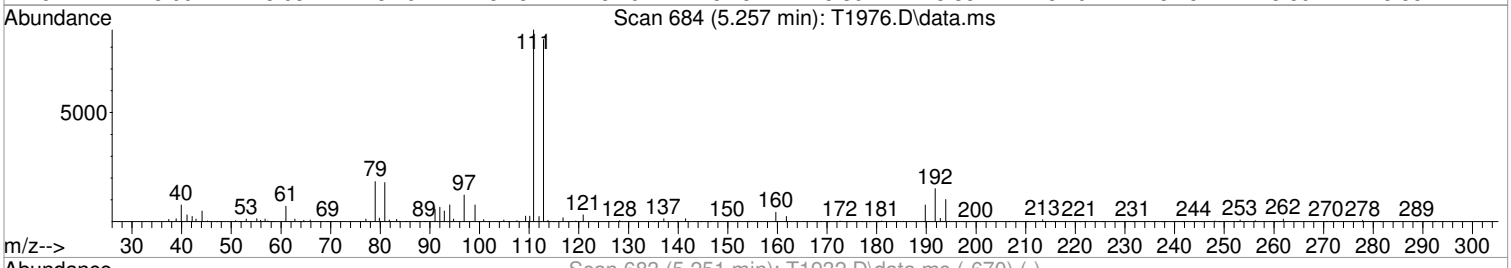
09/17/20

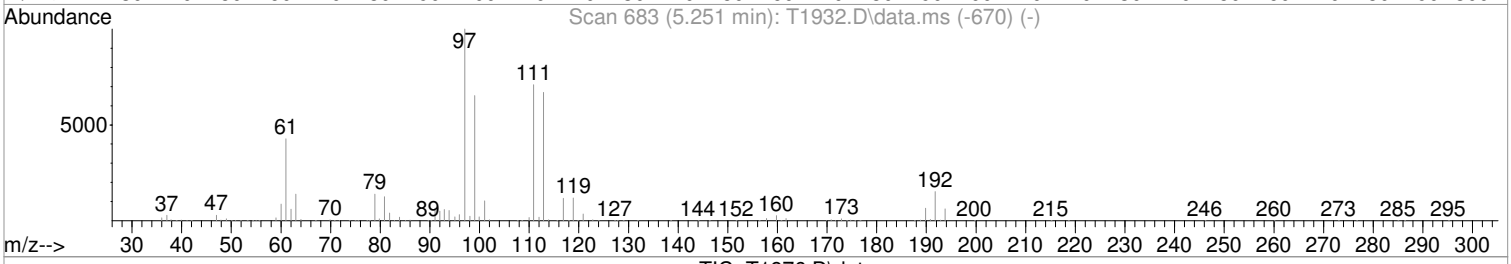
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

5.257min (+0.006) 0.64 ug/L

response 2623

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	62.31
61.00	42.70	57.76
0.00	0.00	0.00

Manual Integration:

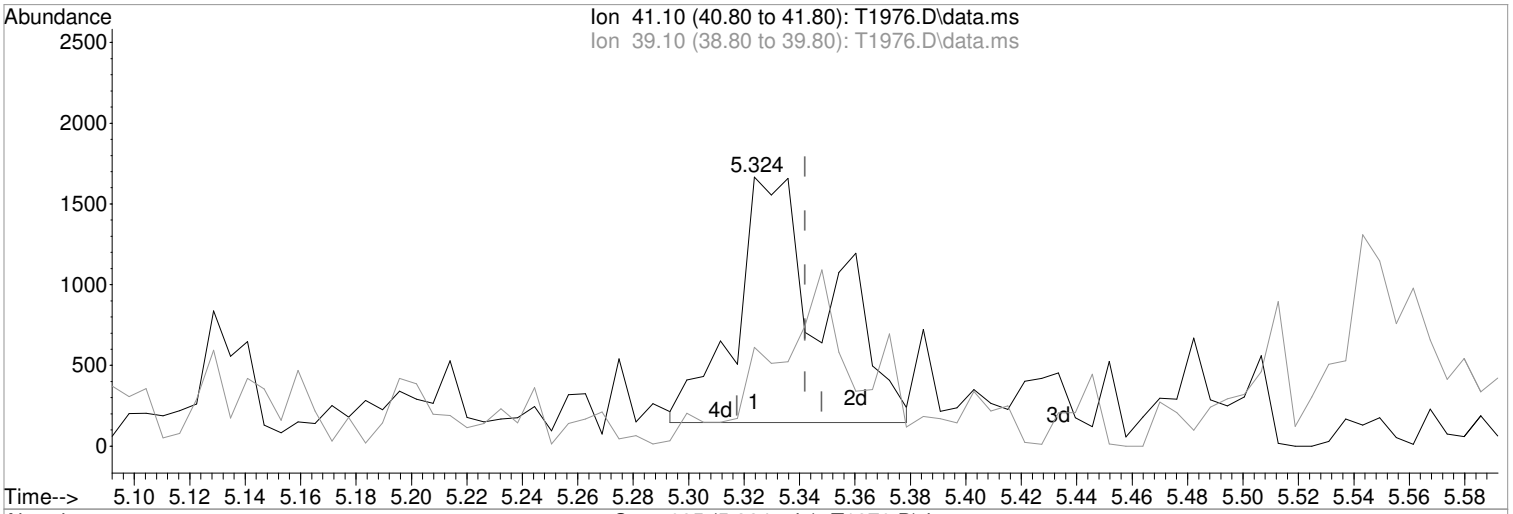
Before

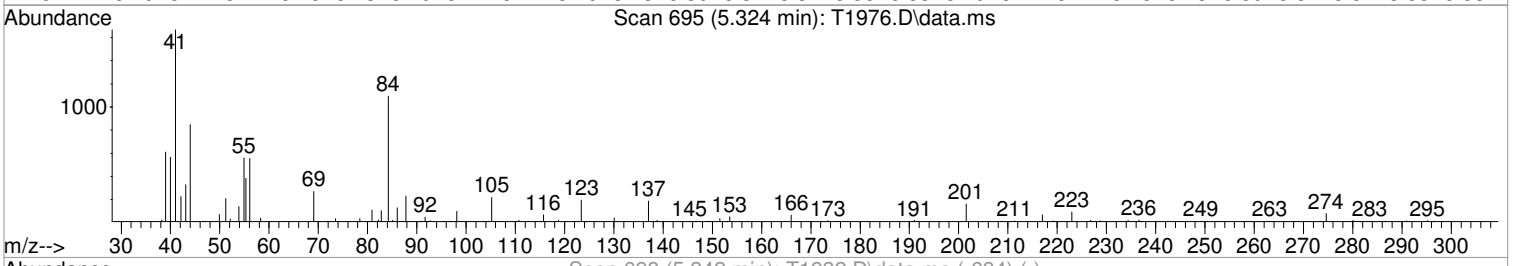
09/17/20

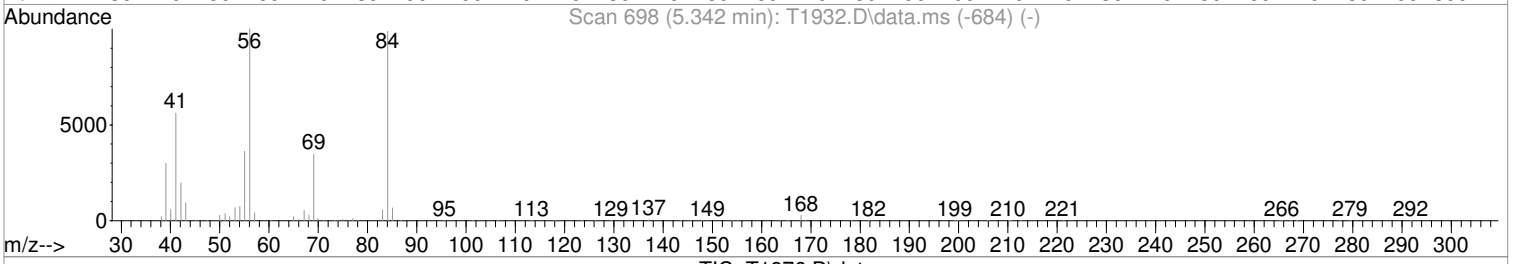
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(42) Cyclohexane (P)

5.324min (-0.018) 1.60 ug/L m

response 3509

Ion	Exp%	Act%
41.10	100	100
39.10	53.20	36.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

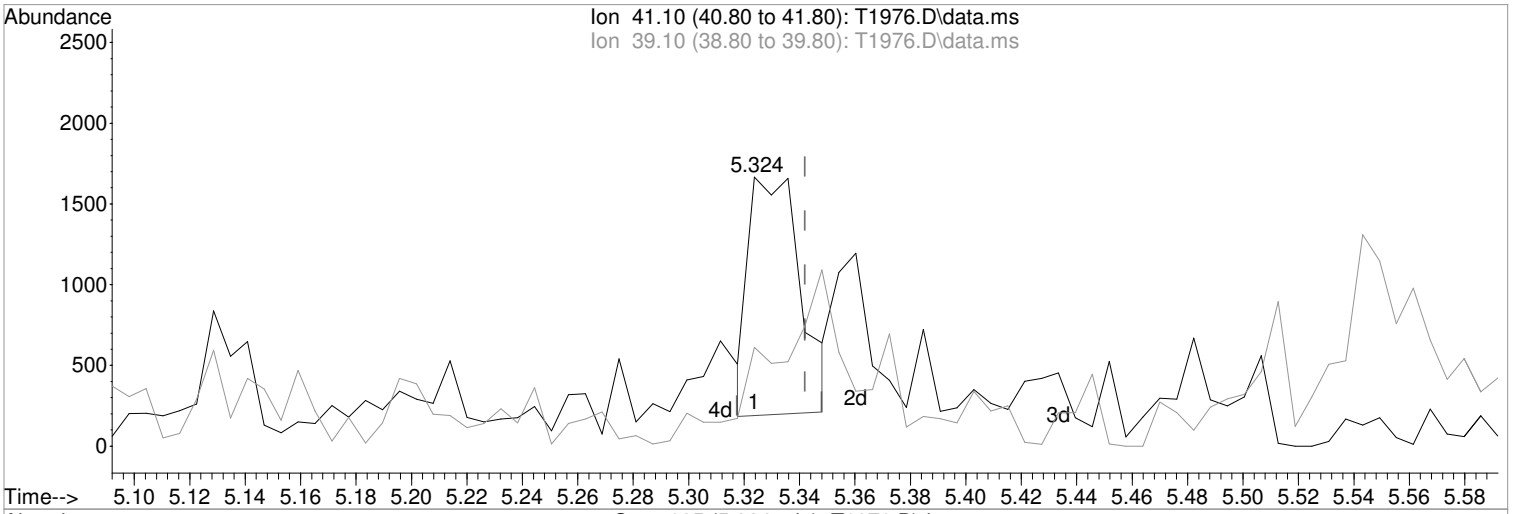
Peak not found.

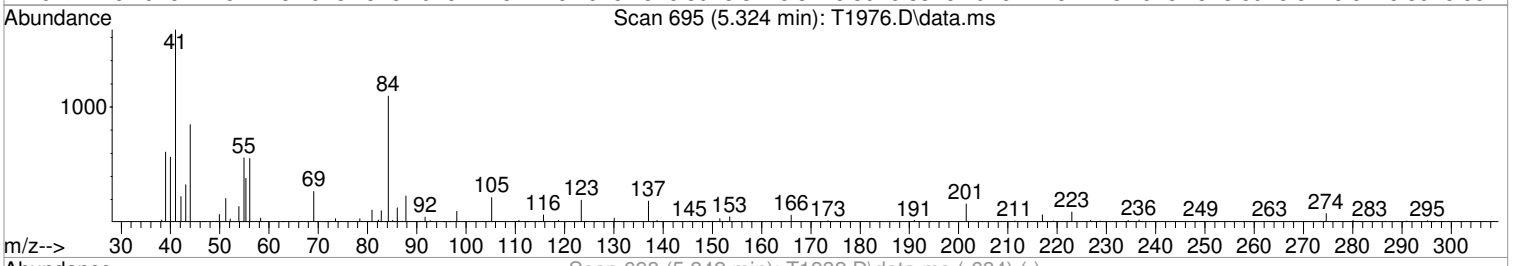
09/17/20

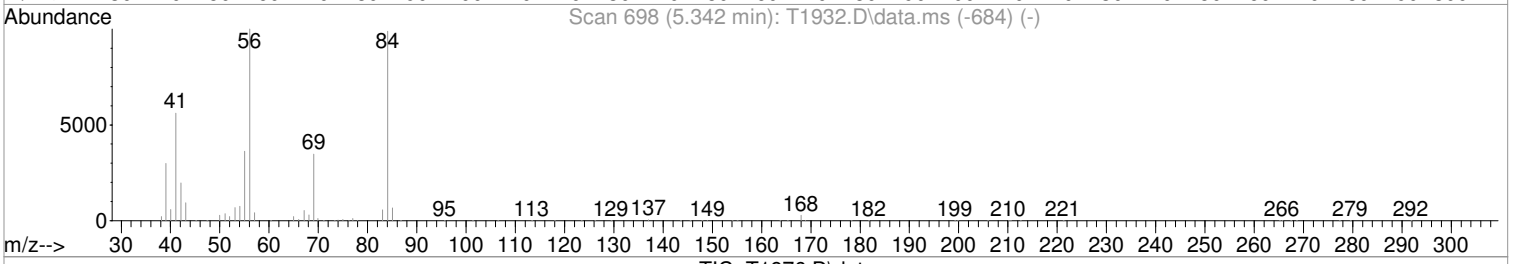
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(42) Cyclohexane (P)

5.324min (-0.018) 0.88 ug/L

response 1915

Ion	Exp%	Act%
41.10	100	100
39.10	53.20	36.67
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

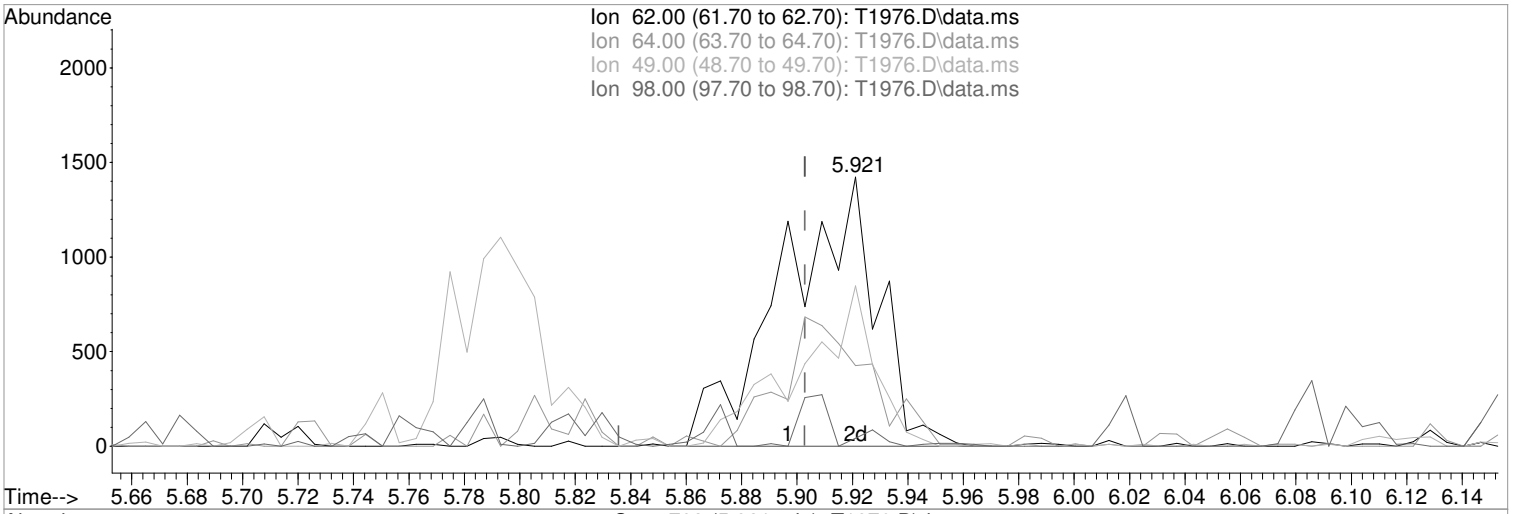
09/17/20

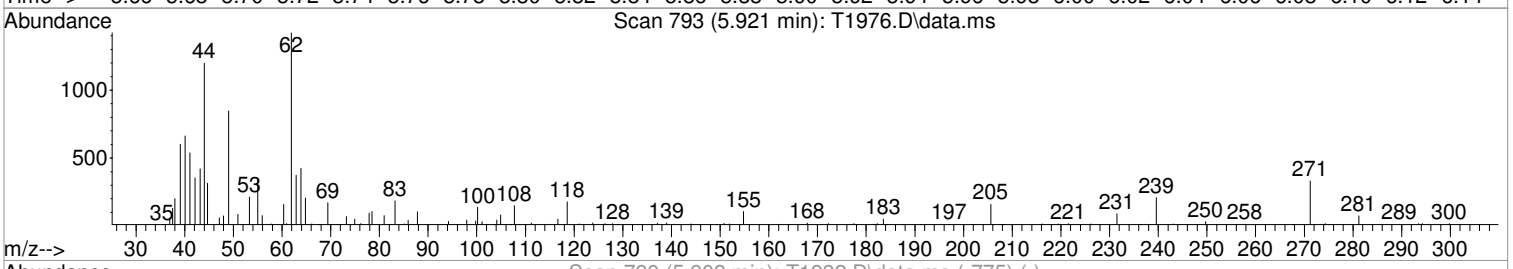
1st FW 09/18/20
2nd 09/19/20

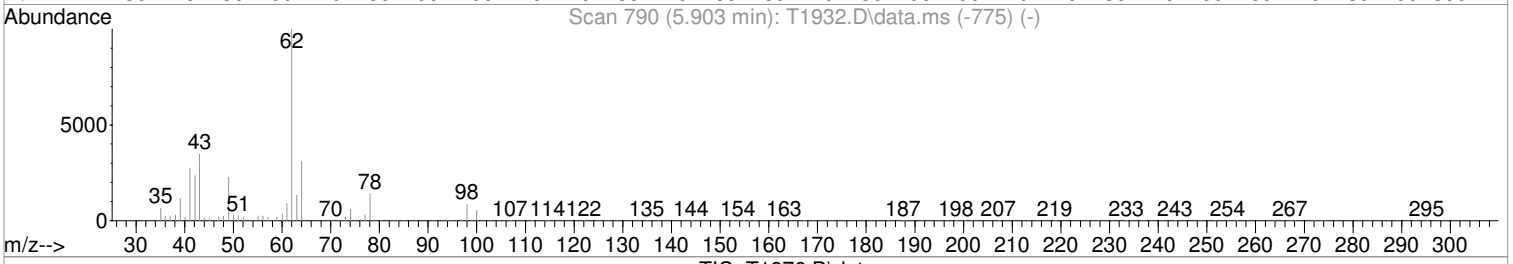
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(48) 1,2-Dichloroethane (P)

5.921min (+0.018) 0.87 ug/L m

response 3415

Ion	Exp%	Act%
62.00	100	100
64.00	31.70	29.96
49.00	23.50	59.63#
98.00	8.60	2.95

Manual Integration:

After

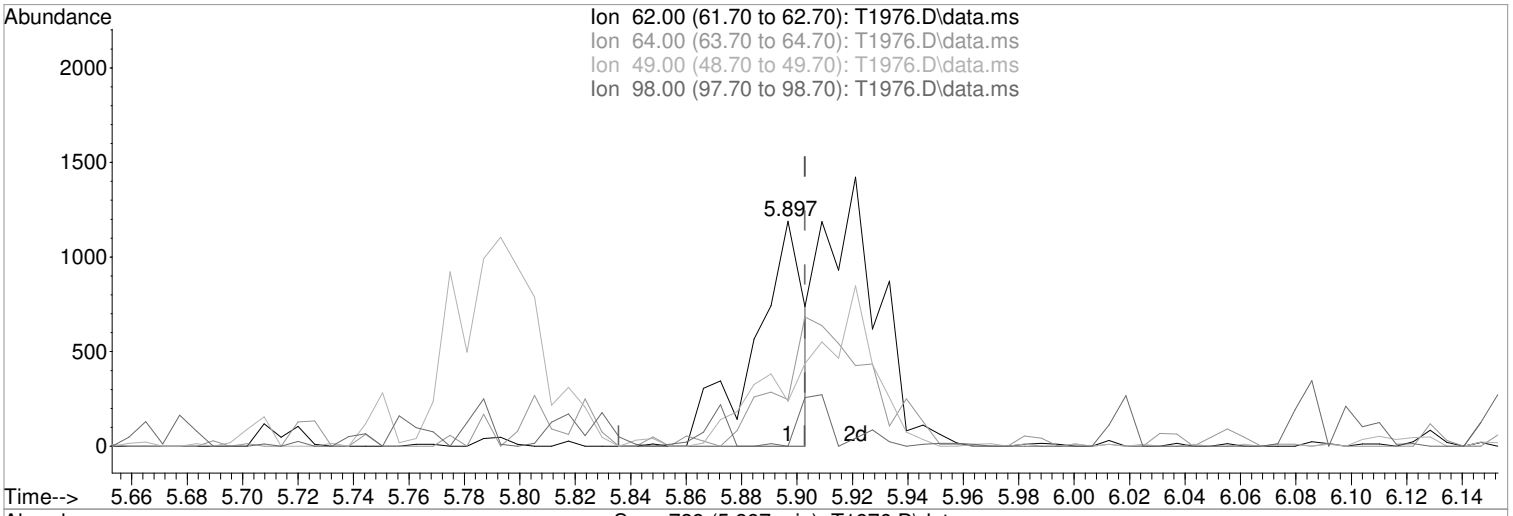
Poor integration.

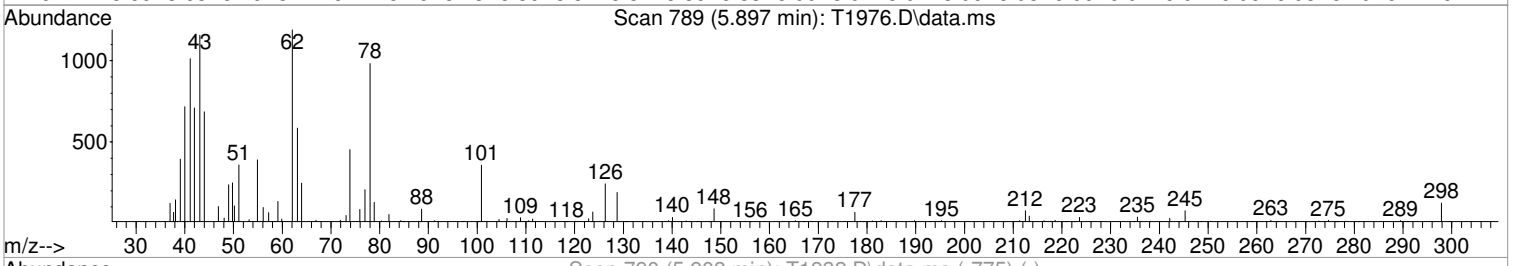
09/17/20

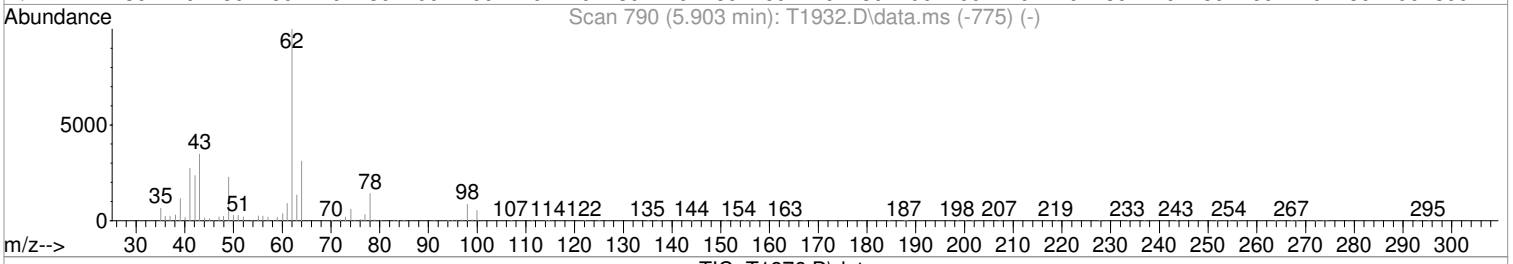
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(48) 1,2-Dichloroethane (P)

5.897min (-0.006) 0.38 ug/L

response 1479

Ion	Exp%	Act%
62.00	100	100
64.00	31.70	20.76
49.00	23.50	19.92
98.00	8.60	0.00

Manual Integration:

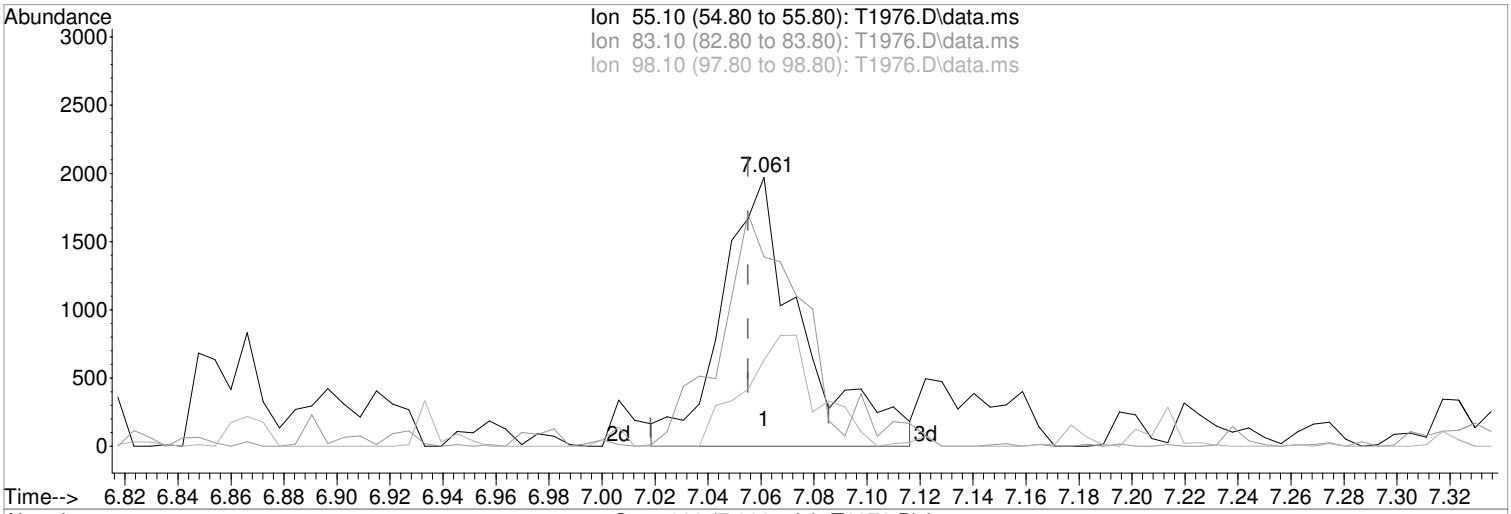
Before

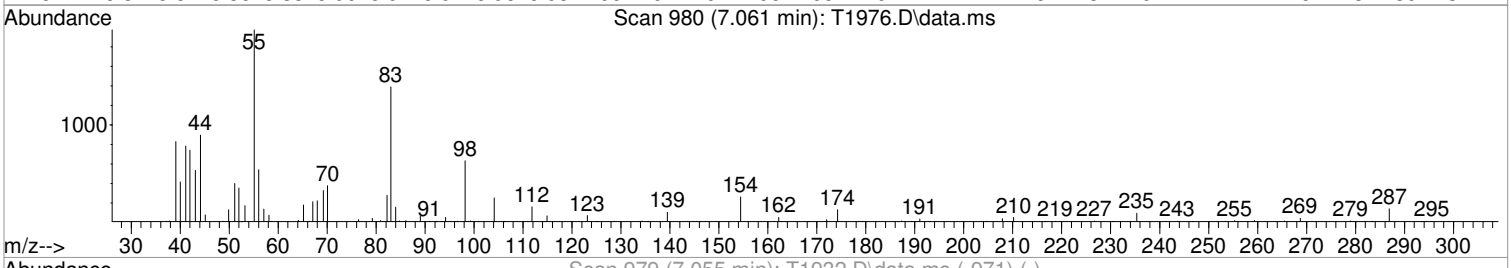
09/17/20

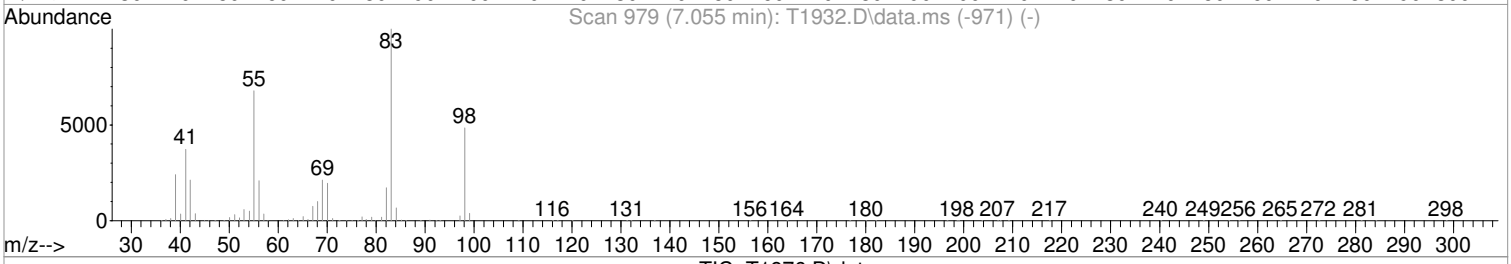
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(54) Methylcyclohexane (P)

7.061min (+0.006) 1.43 ug/L m

response 4110

Ion	Exp%	Act%
55.10	100	100
83.10	147.30	70.39#
98.10	71.40	32.05#
0.00	0.00	0.00

Manual Integration:

After

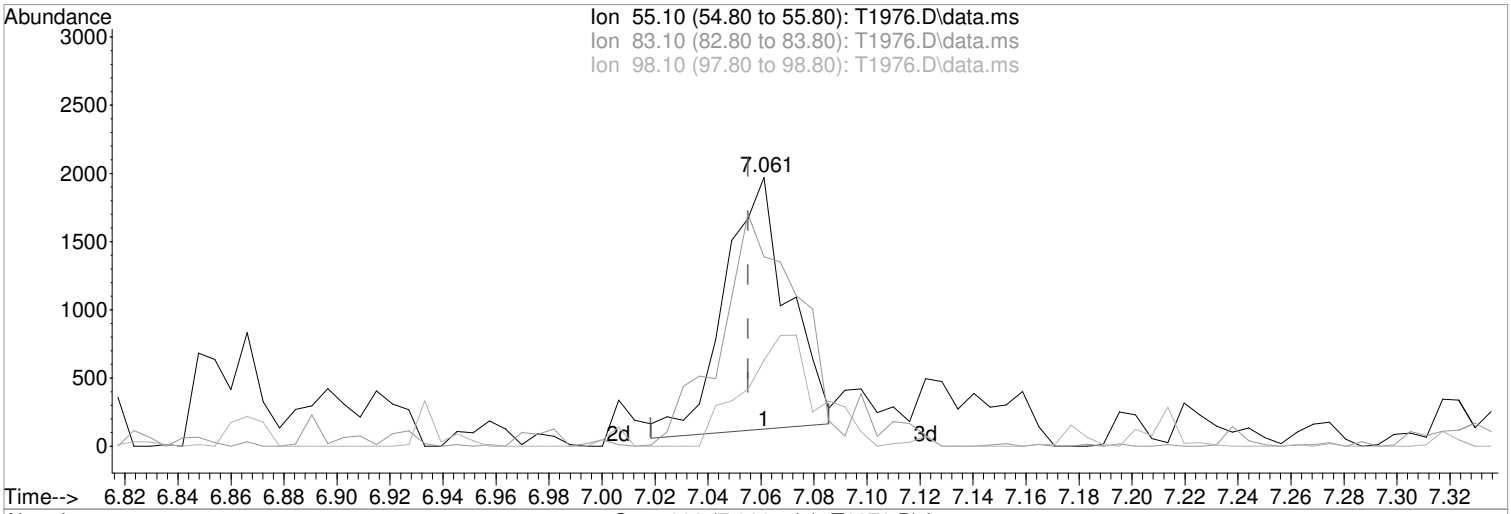
Poor integration.

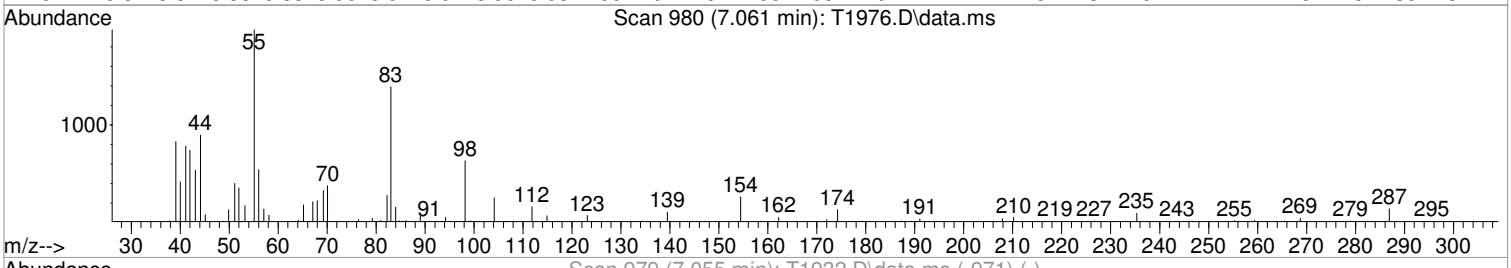
09/17/20

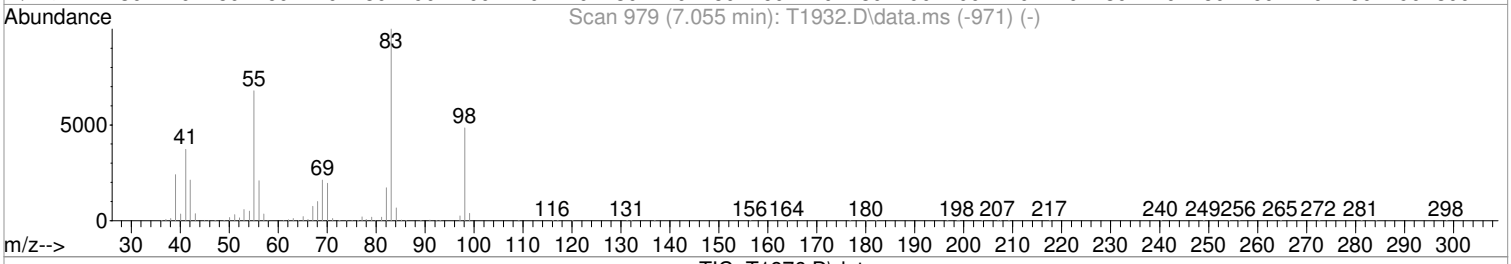
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(54) Methylcyclohexane (P)

7.061min (+0.006) 1.08 ug/L

response 3095

Ion	Exp%	Act%
55.10	100	100
83.10	147.30	70.39#
98.10	71.40	32.05#
0.00	0.00	0.00

Manual Integration:

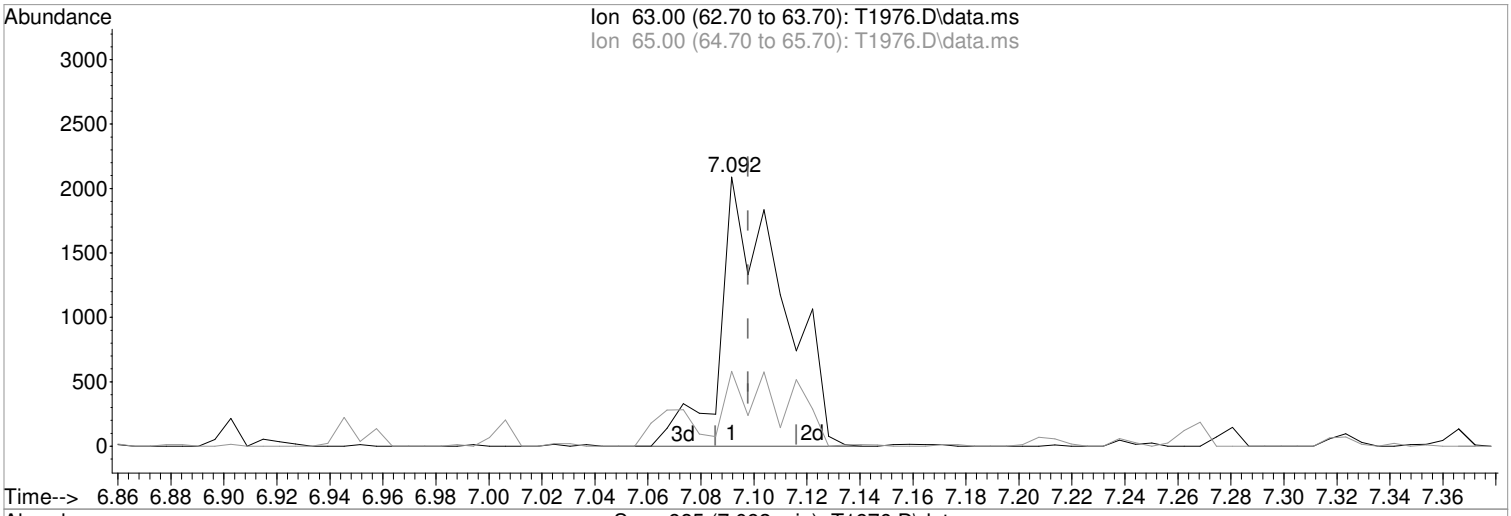
Before

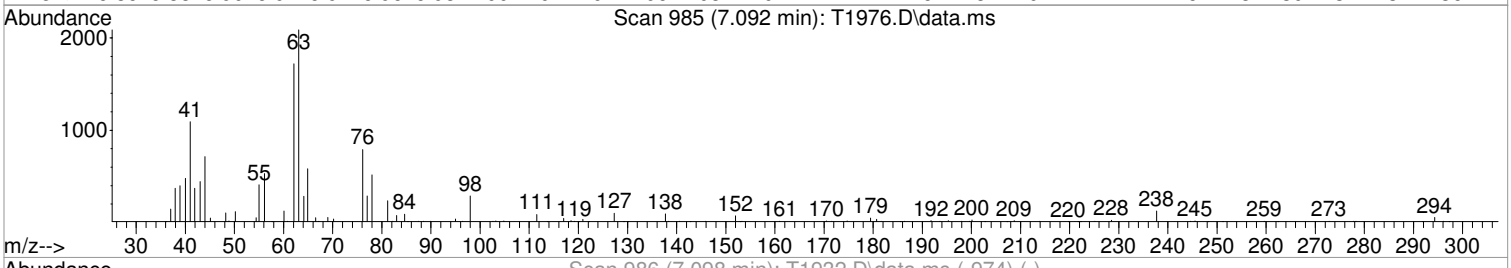
09/17/20

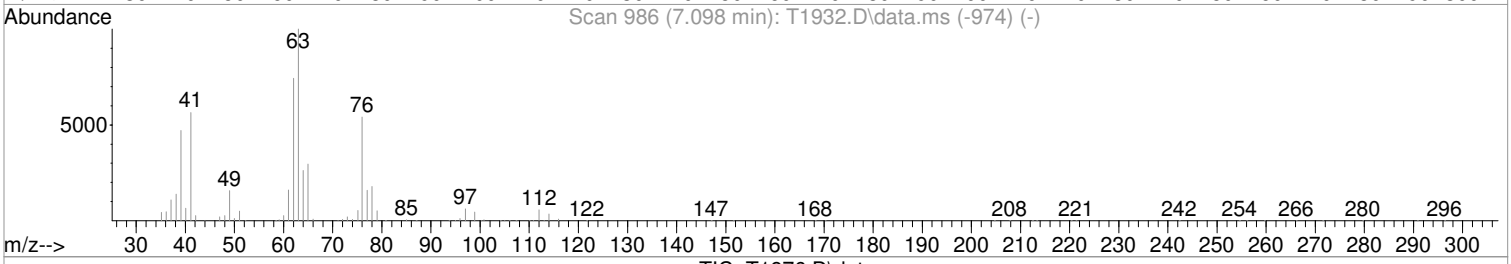
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(55) 1,2-Diclpropane (P)

7.092min (-0.006) 1.35 ug/L m

response 3401

Ion	Exp%	Act%
63.00	100	100
65.00	29.80	27.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

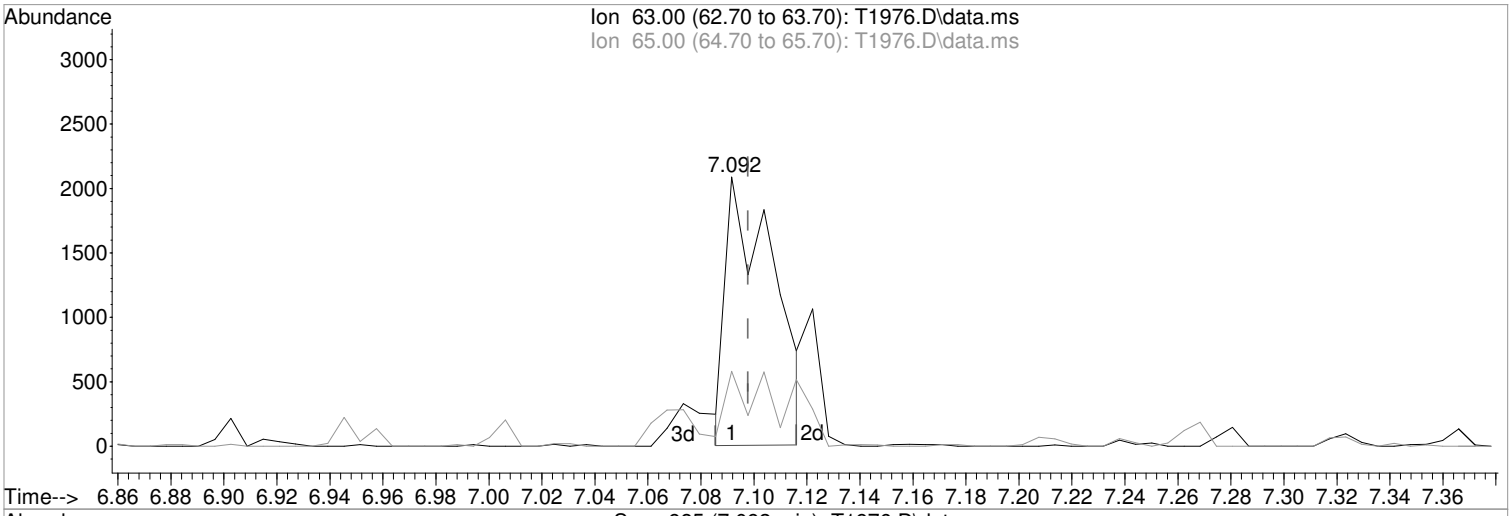
Poor integration.

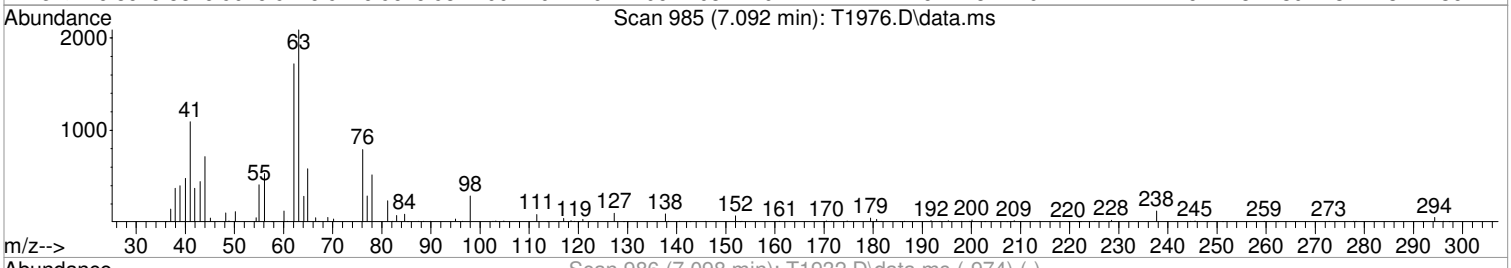
09/17/20

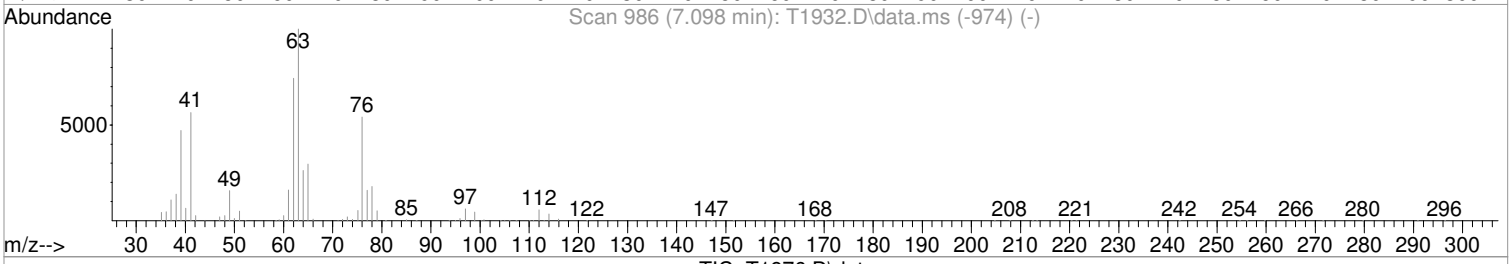
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(55) 1,2-Diclpropane (P)

7.092min (-0.006) 1.03 ug/L

response 2609

Ion	Exp%	Act%
63.00	100	100
65.00	29.80	27.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

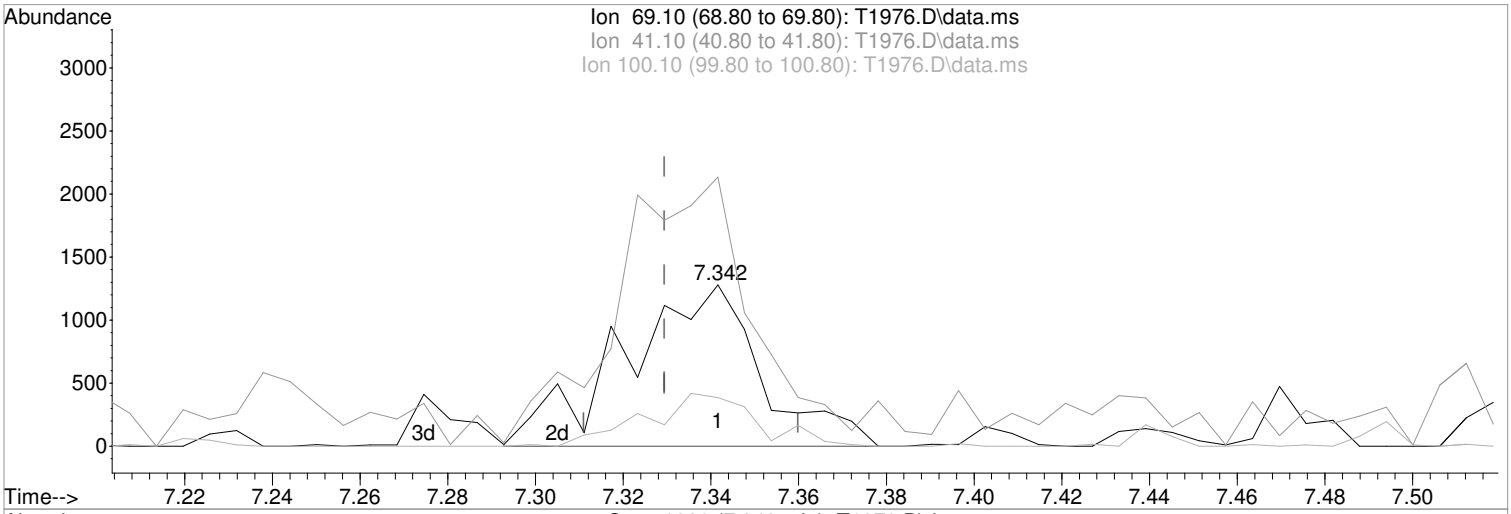
Before

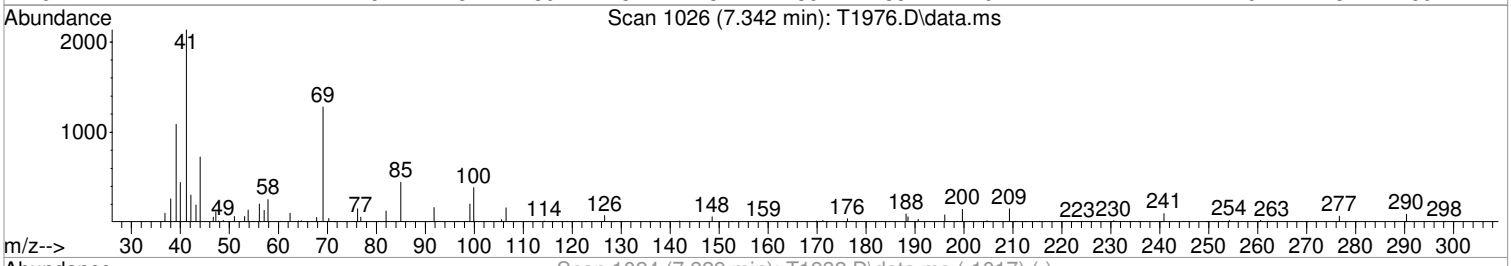
09/17/20

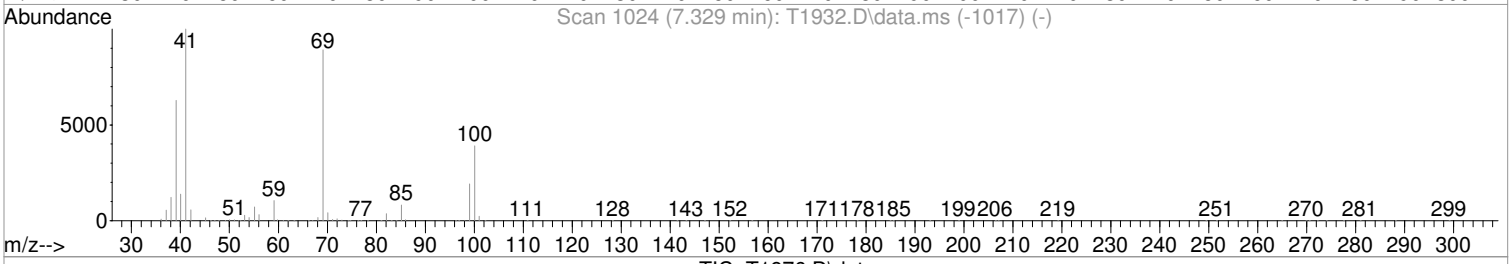
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.012) 1.08 ug/L m

response 2811

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	166.64#
100.10	43.80	30.16
0.00	0.00	0.00

Manual Integration:

After

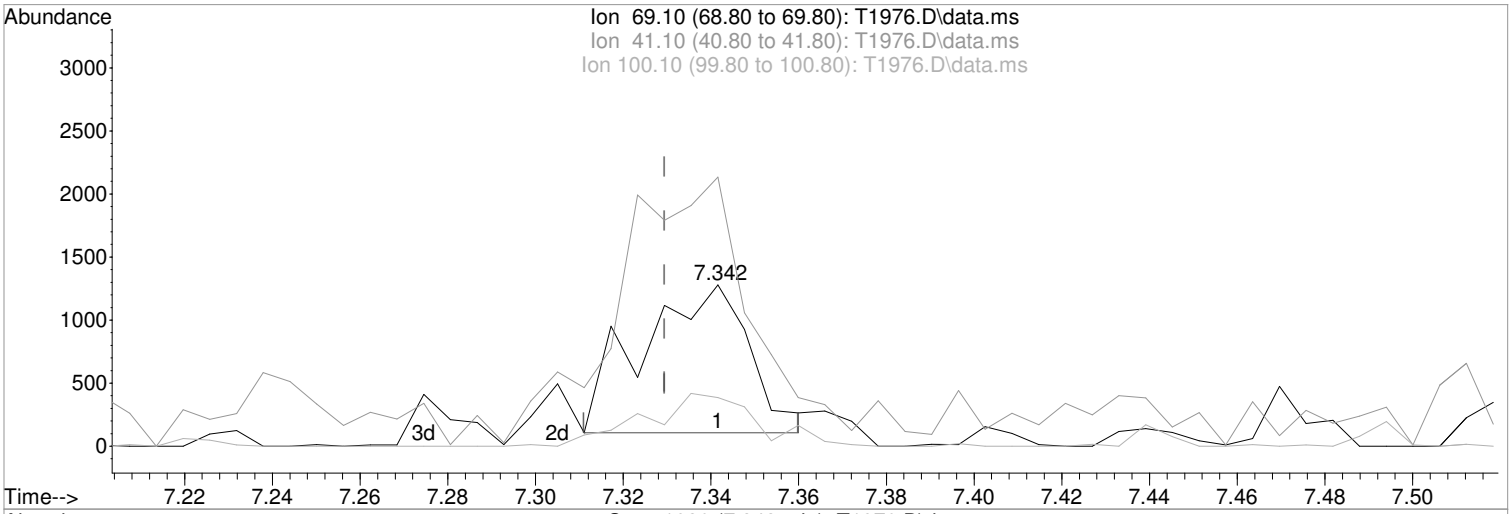
Poor integration.

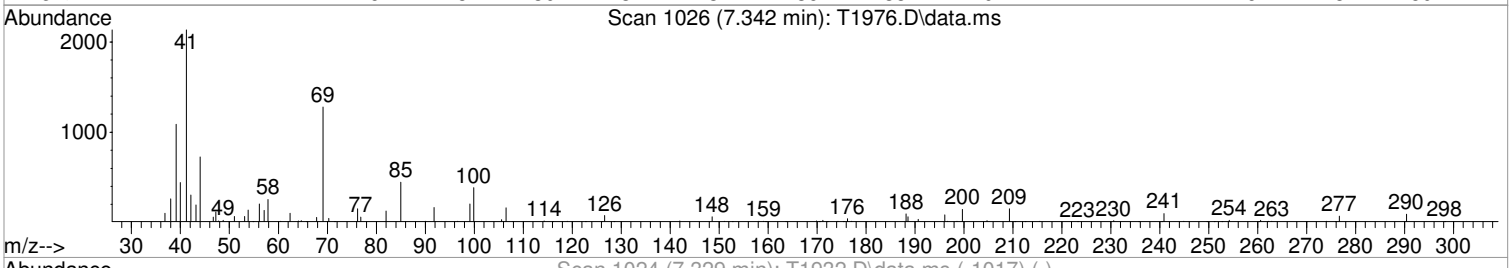
09/17/20

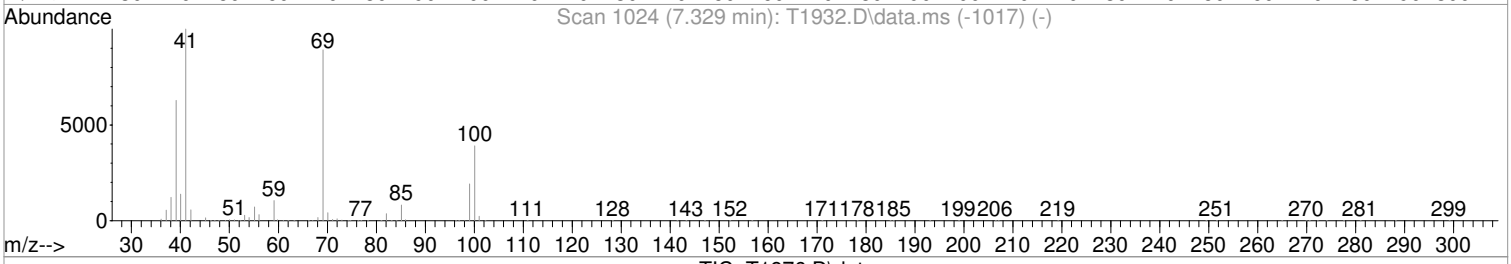
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(58) Methyl Methacrylate

7.342min (+0.012) 0.78 ug/L

response 2015

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	166.64#
100.10	43.80	30.16
0.00	0.00	0.00

Manual Integration:

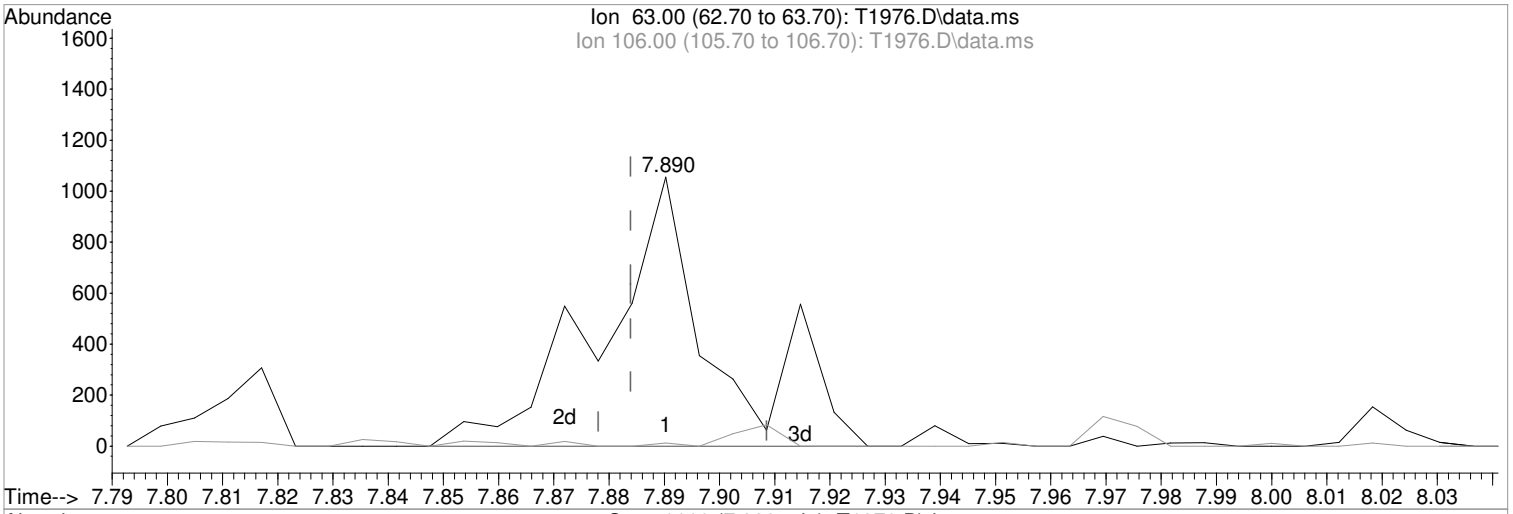
Before

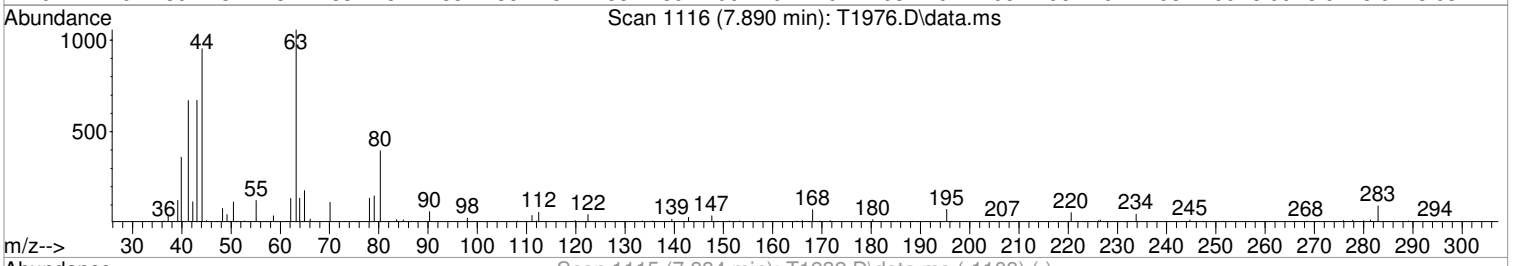
09/17/20

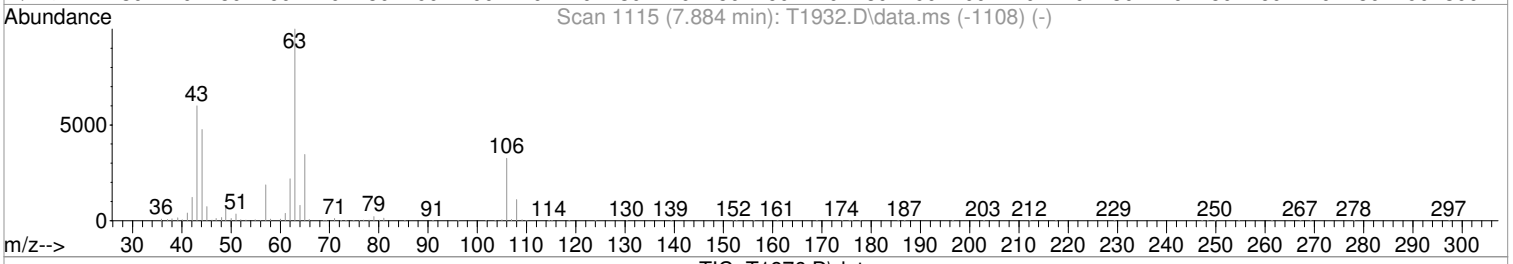
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.890min (+0.006) 1.27 ug/L m

response 1533

Ion	Exp%	Act%
63.00	100	100
106.00	32.60	1.14#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

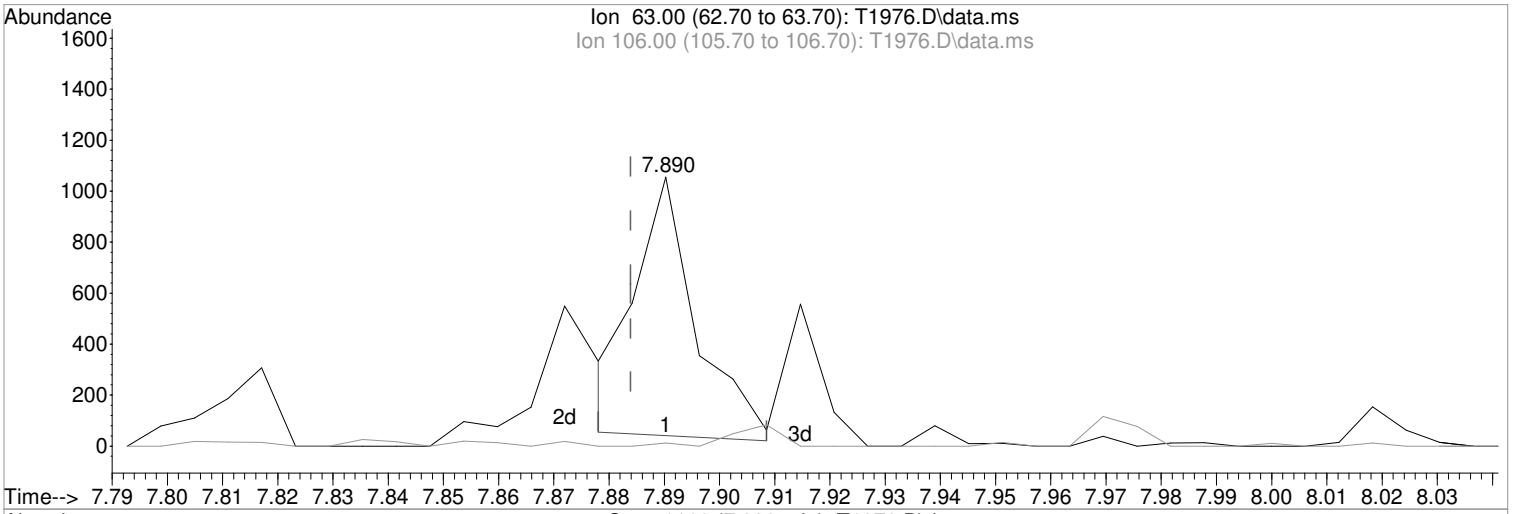
Poor integration.

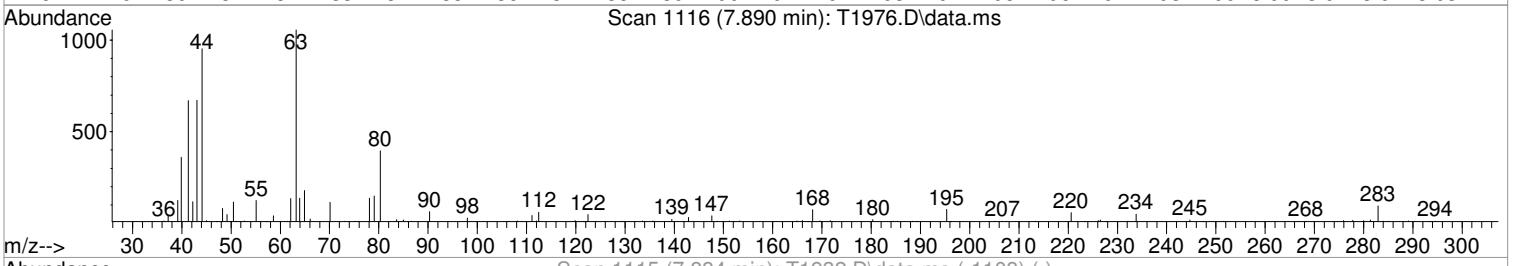
09/17/20

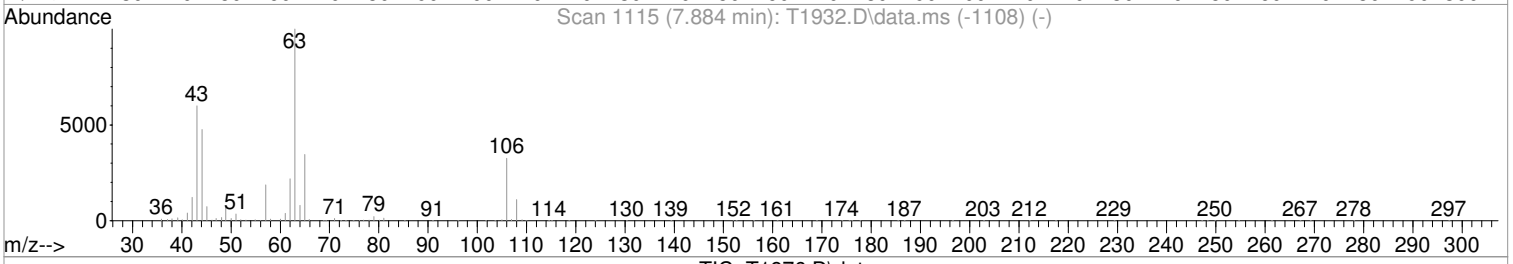
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.890min (+0.006) 0.64 ug/L

response 770

Ion	Exp%	Act%
63.00	100	100
106.00	32.60	1.14#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

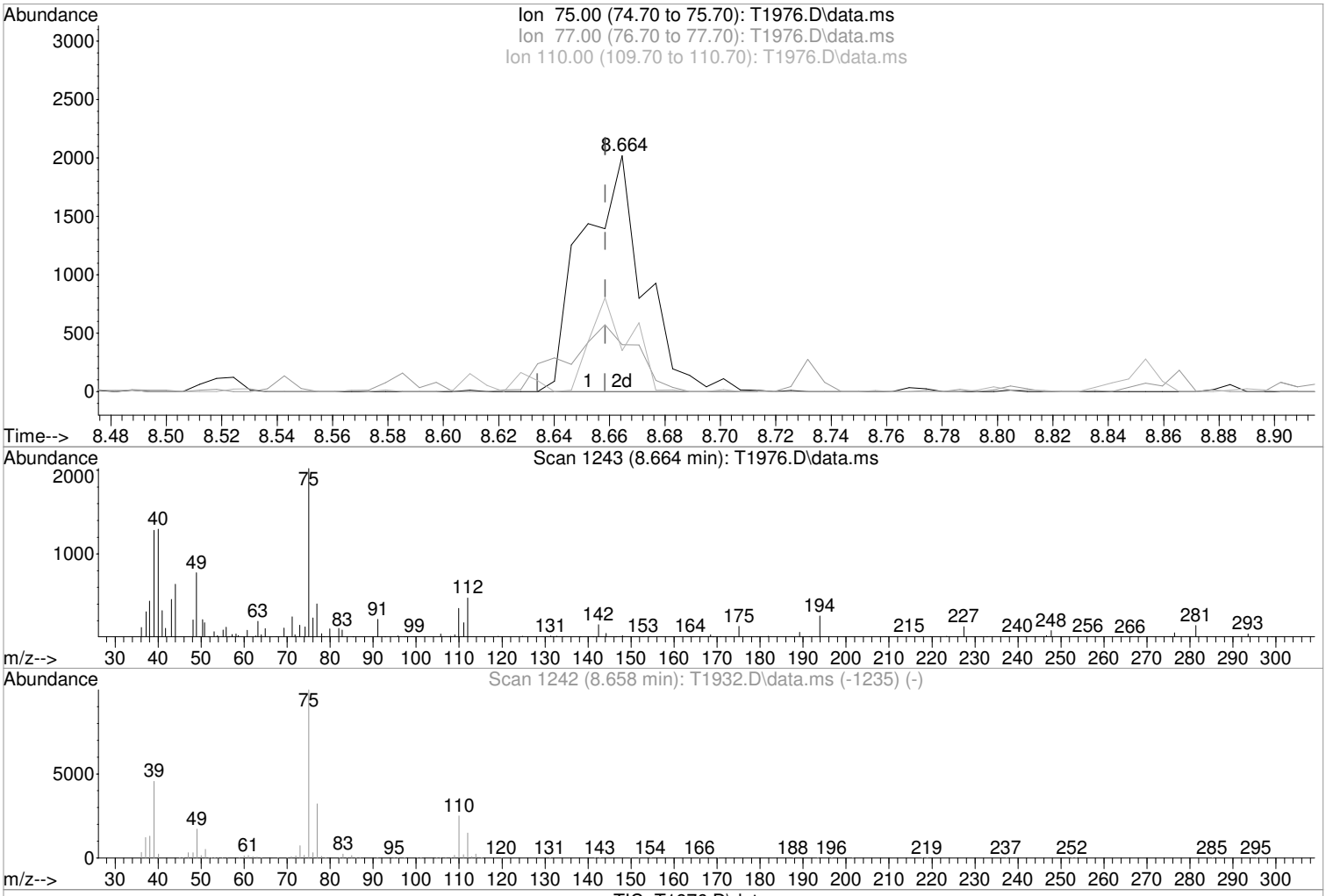
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

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

8.664min (+0.006) 0.75 ug/L m

response 3087

Ion	Exp%	Act%
75.00	100	100
77.00	32.20	19.89
110.00	25.00	17.32
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

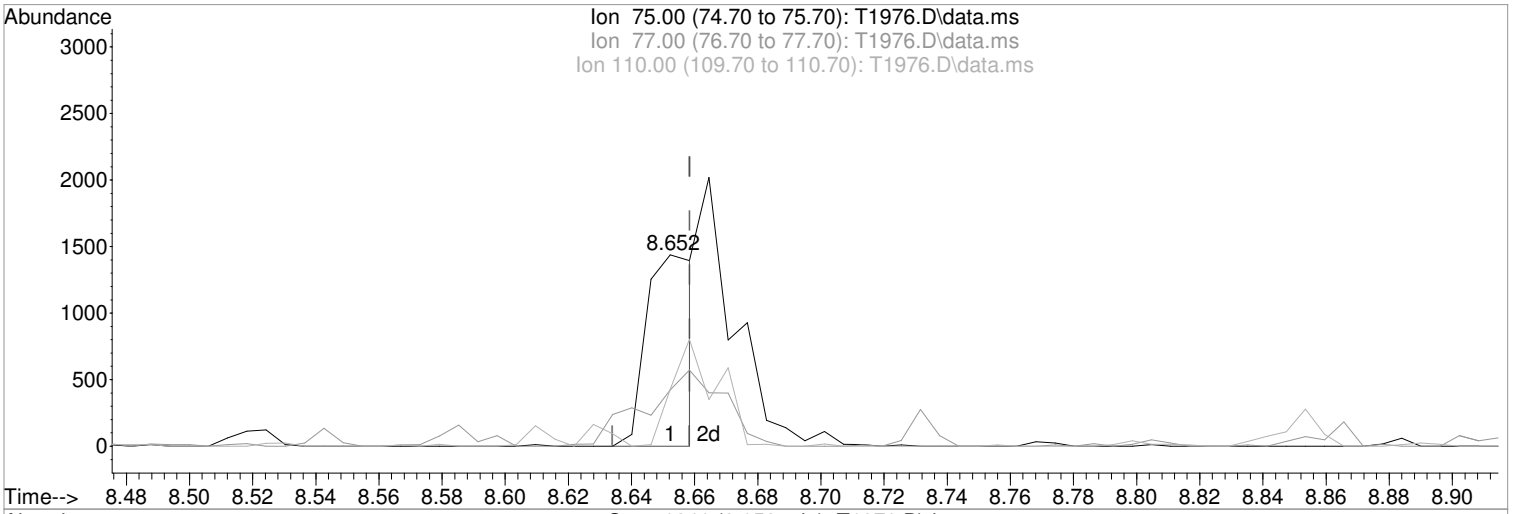
09/17/20

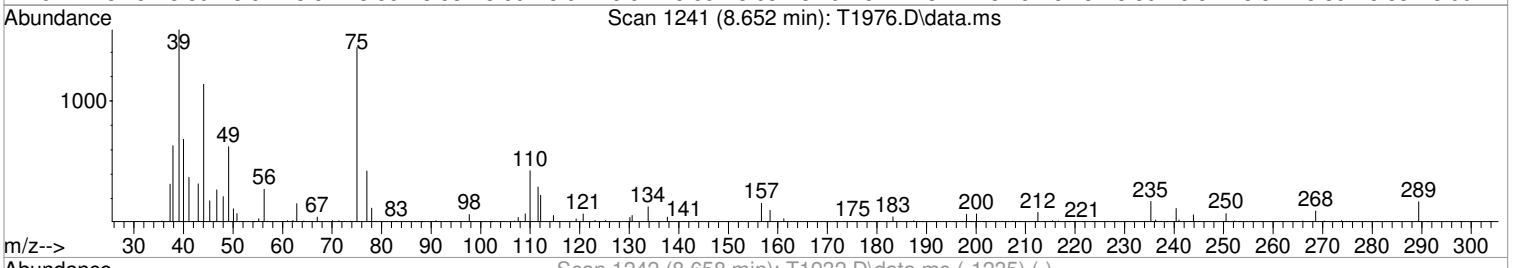
1st FW 09/18/20
2nd 09/19/20

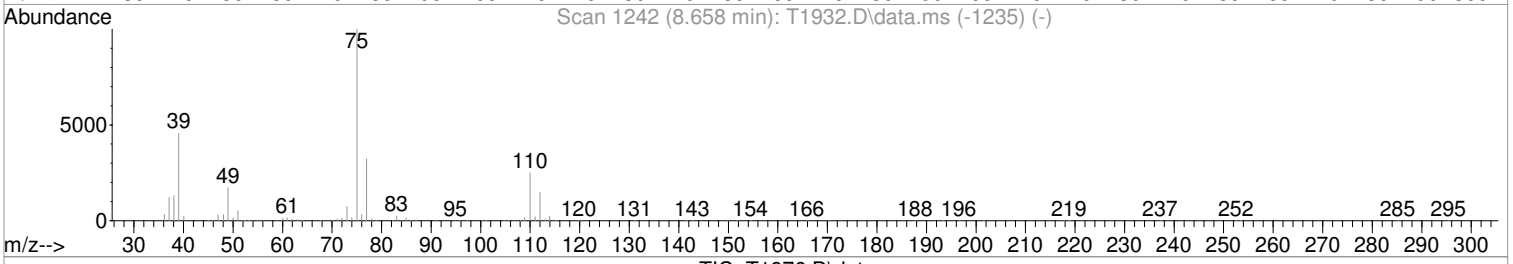
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

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

8.652min (-0.006) 0.37 ug/L

response 1528

Ion	Exp%	Act%
75.00	100	100
77.00	32.20	29.46
110.00	25.00	29.81
0.00	0.00	0.00

Manual Integration:

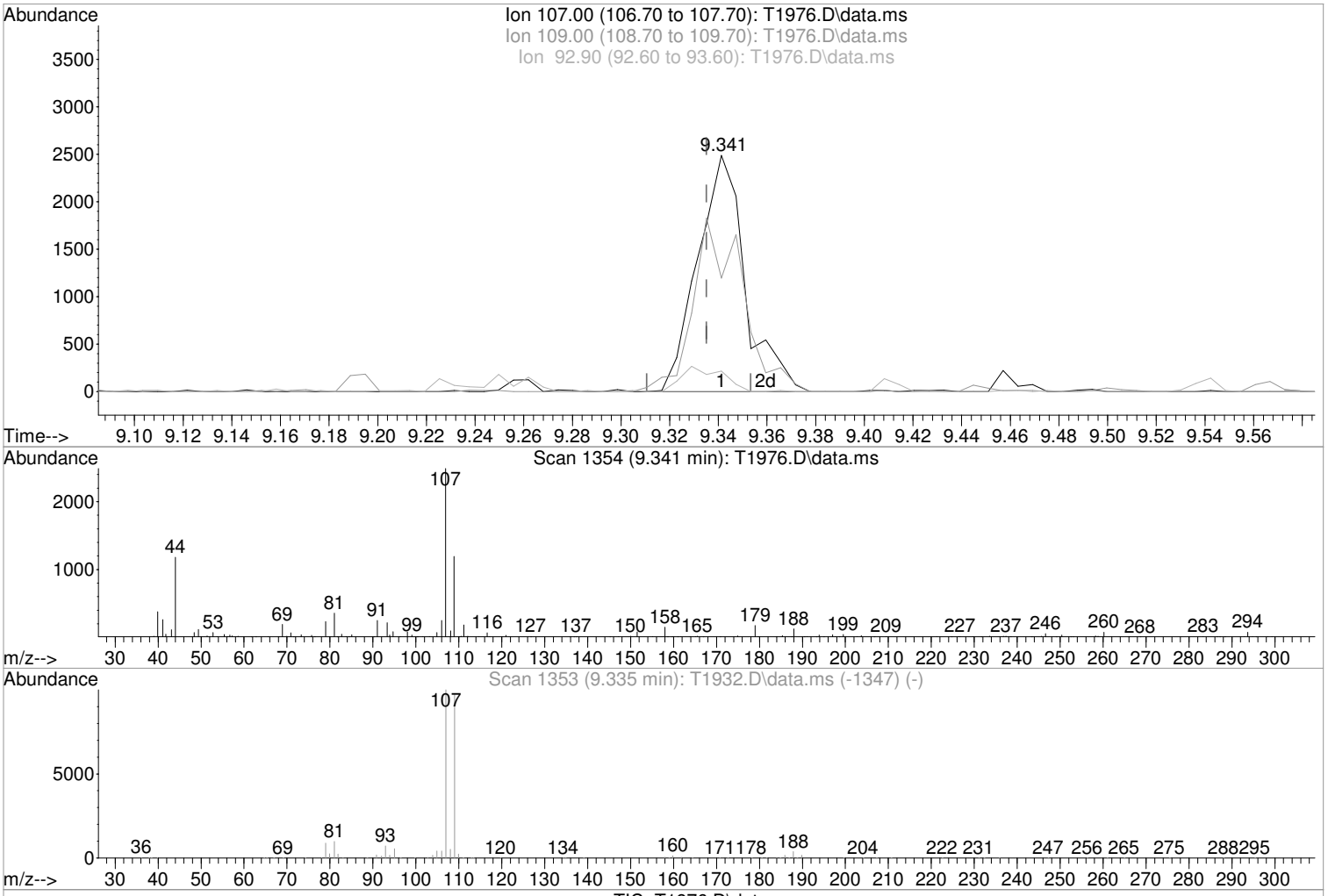
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(76) 1,2-Dibromoethane (P)

9.341min (+0.006) 1.29 ug/L m

response 3375

Ion	Exp%	Act%
107.00	100	100
109.00	97.00	47.99#
92.90	7.20	8.72
0.00	0.00	0.00

Manual Integration:

After

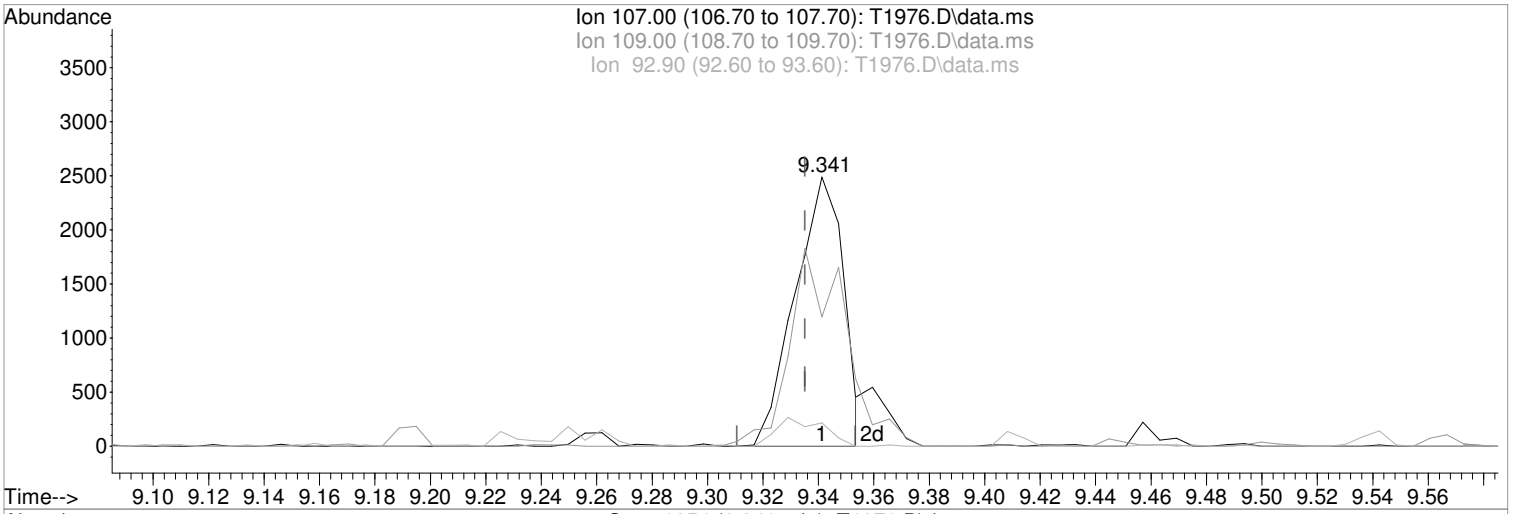
Poor integration.

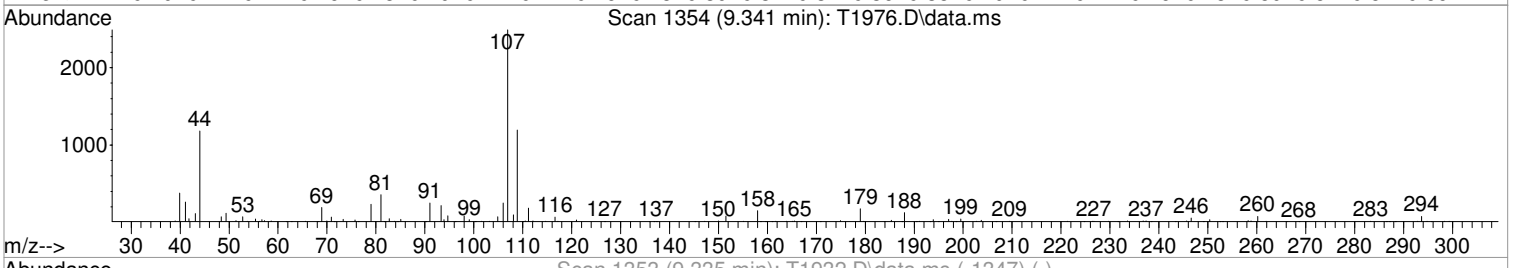
09/17/20

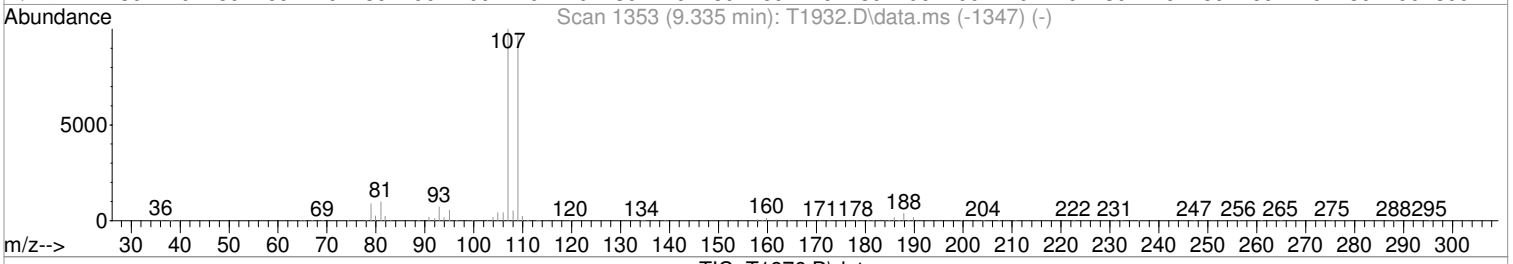
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(76) 1,2-Dibromoethane (P)

9.341min (+0.006) 1.16 ug/L

response 3035

Ion	Exp%	Act%
107.00	100	100
109.00	97.00	47.99#
92.90	7.20	8.72
0.00	0.00	0.00

Manual Integration:

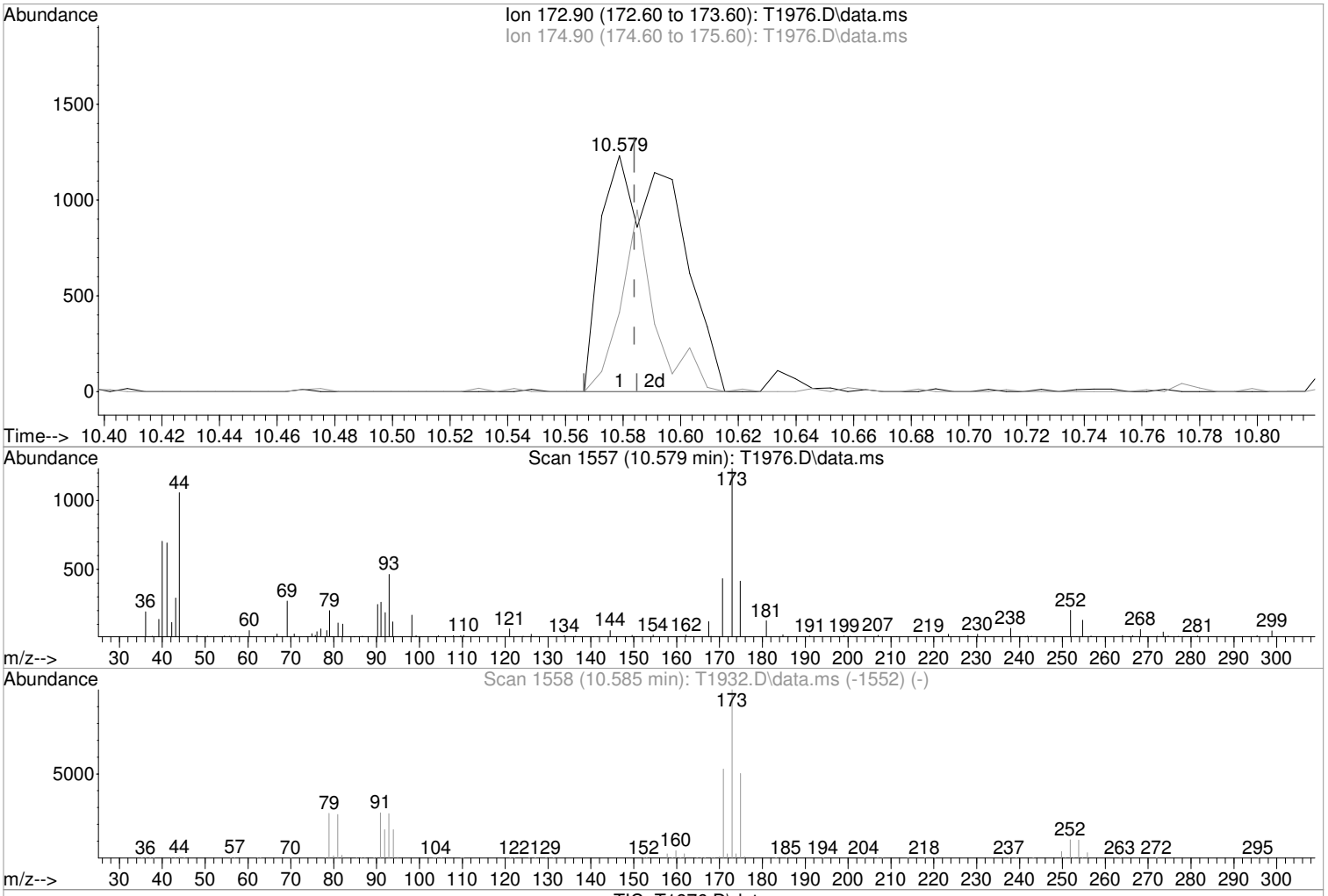
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



(85) Bromoform (P)

10.579min (-0.005) 1.30 ug/L m

response 2272

Ion	Exp%	Act%
172.90	100	100
174.90	50.30	33.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

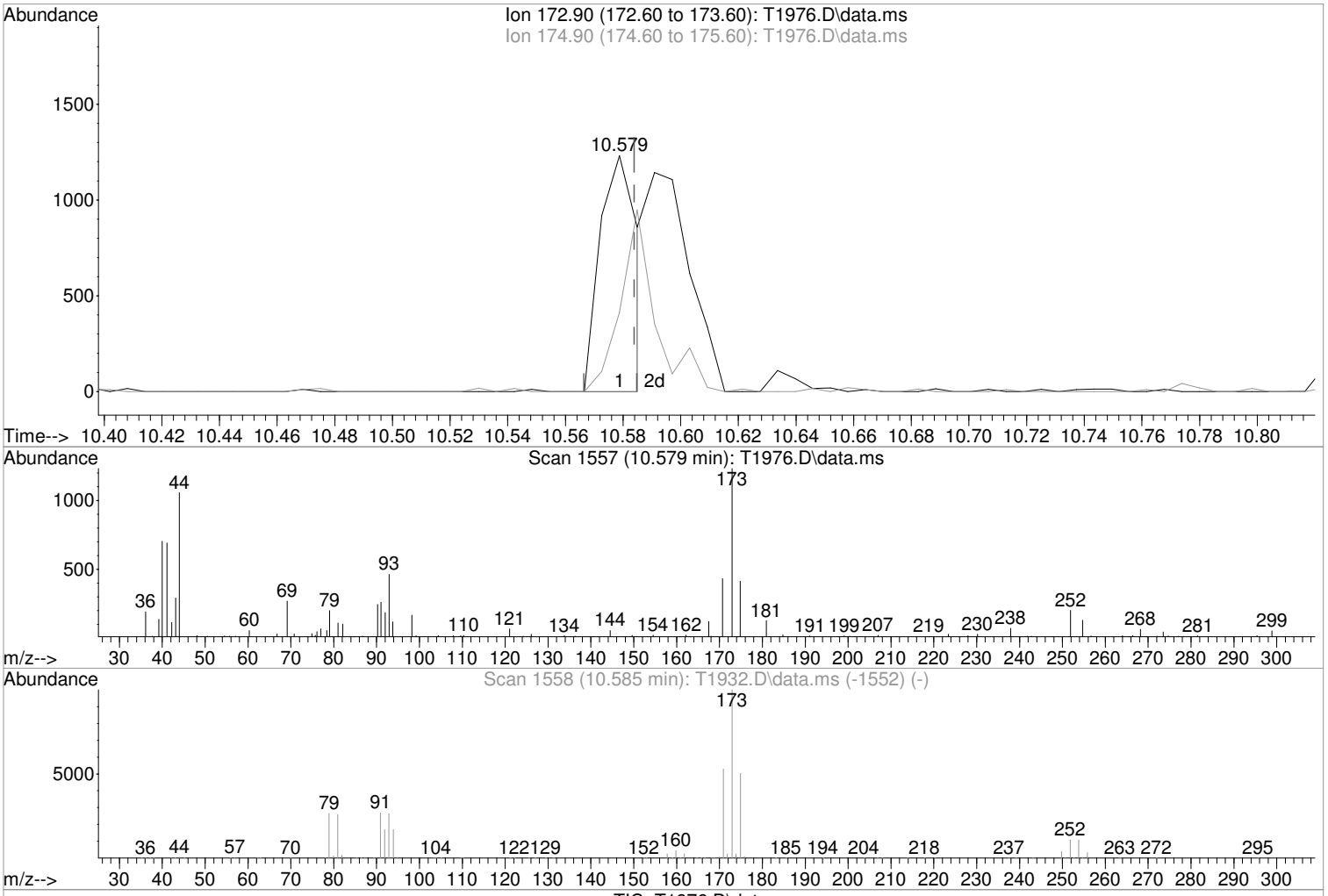
Poor integration.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1976.D\data.ms

(85) Bromoform (P)

10.579min (-0.005) 0.63 ug/L

response 1100

Ion	Exp%	Act%
172.90	100	100
174.90	50.30	33.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

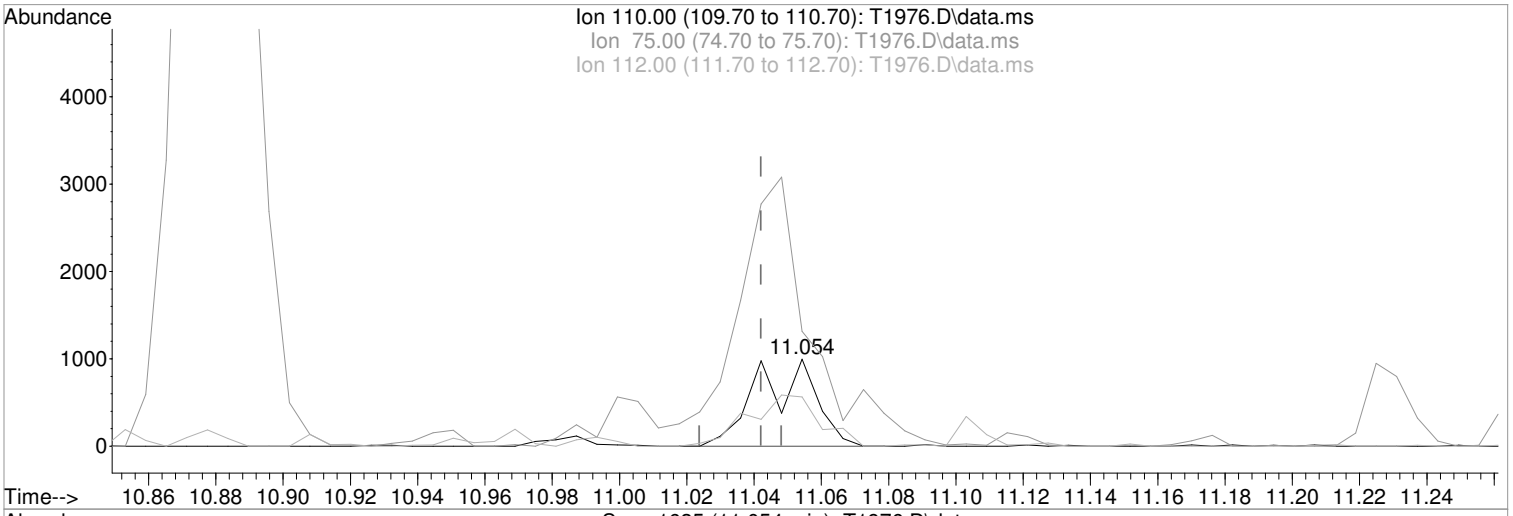
Before

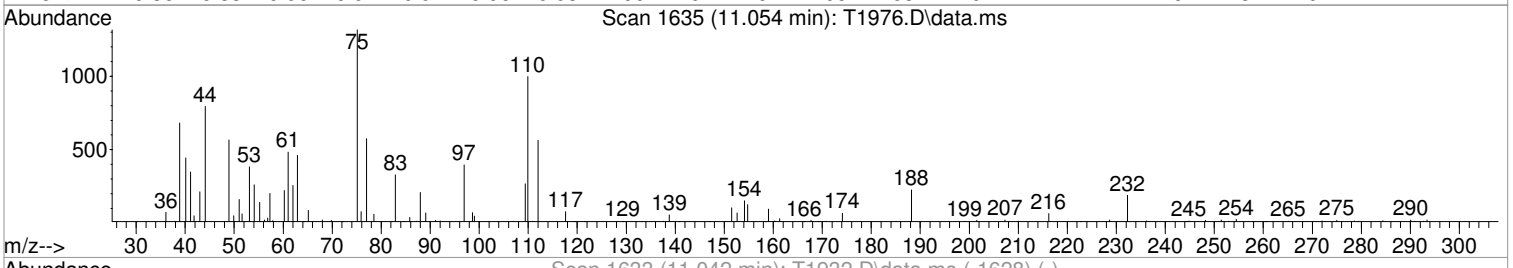
09/17/20

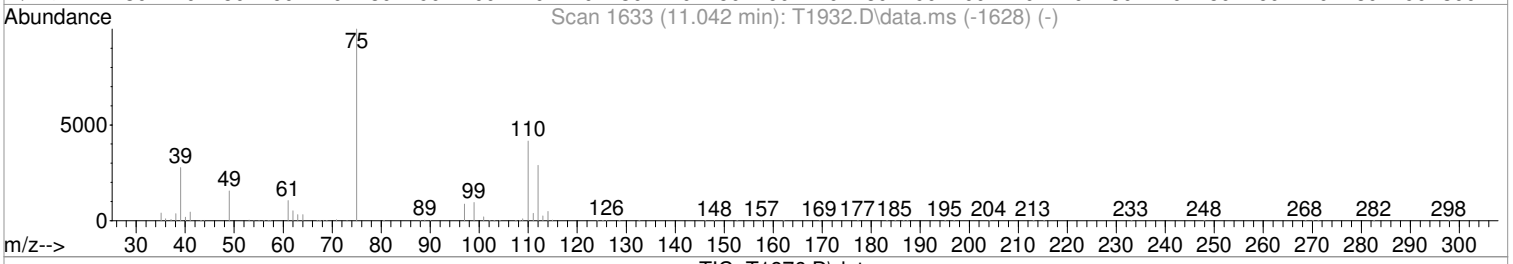
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(93) 1,2,3-Trichloropropane

11.054min (+0.012) 1.02 ug/L m

response 1200

Ion	Exp%	Act%
110.00	100	100
75.00	254.90	131.86#
112.00	69.30	56.51
0.00	0.00	0.00

Manual Integration:

After

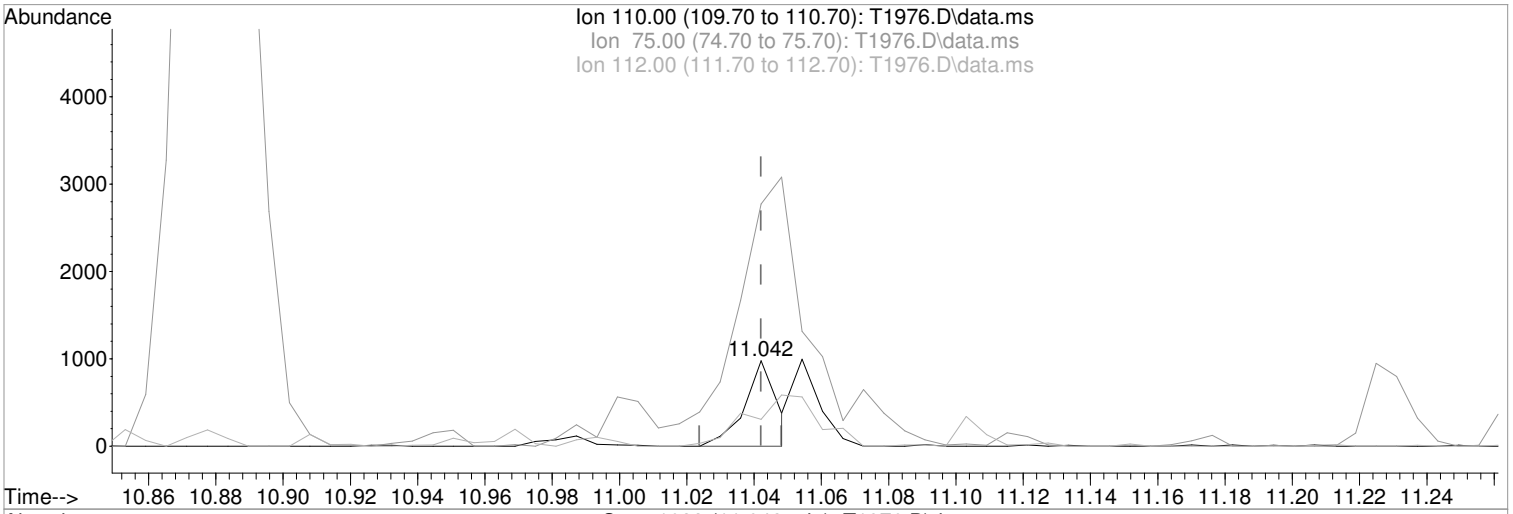
Poor integration.

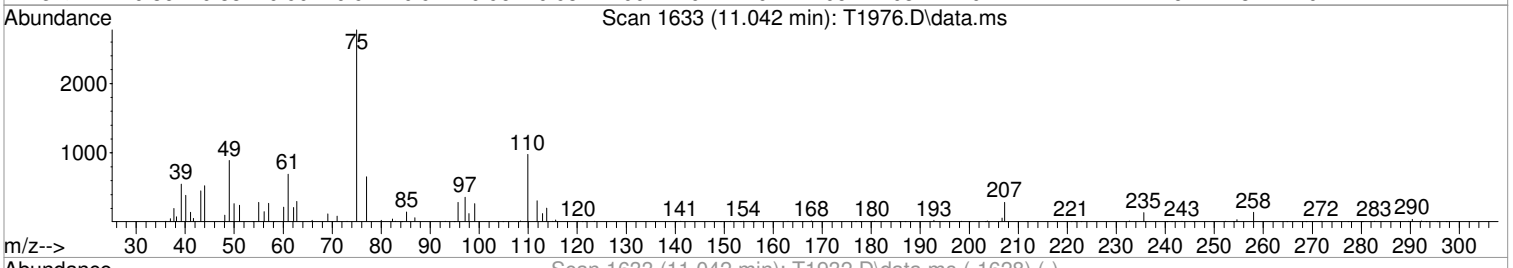
09/17/20

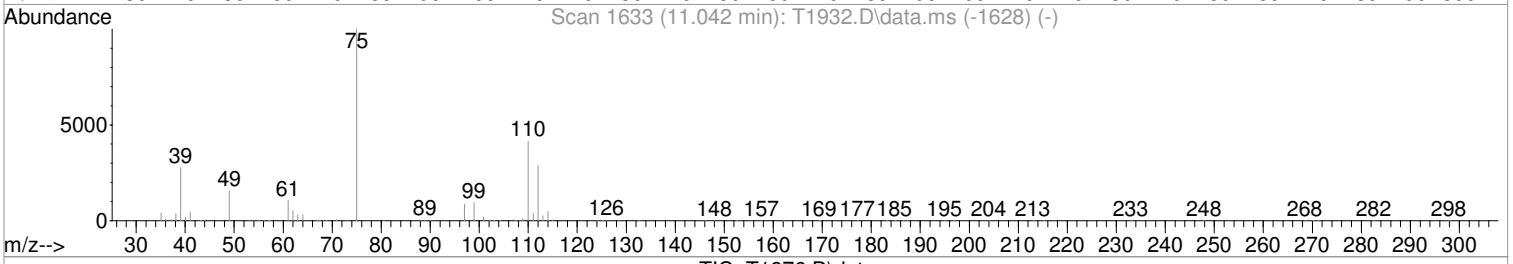
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:06:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1976.D\data.ms

(93) 1,2,3-Trichloropropane

11.042min (-0.000) 0.56 ug/L

response 657

Ion	Exp%	Act%
110.00	100	100
75.00	254.90	283.35#
112.00	69.30	31.46#
0.00	0.00	0.00

Manual Integration:

Before

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:11:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	268773	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	416692	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	371139	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	186892	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.238	113	27055	10.40	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 20.80%#				
46) surr1,1,2-dichloroetha...	5.787	65	30766	9.10	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 18.20%#				
64) SURR3,Toluene-d8	8.311	98	102800	10.03	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.06%#				
69) SURR2,BFB	10.877	95	37796	9.23	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 18.46%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	2756	0.86	ug/L		89
3) Chloromethane	1.282	50	4066	1.46	ug/L		99
4) Vinyl Chloride	1.361	62	3612	1.35	ug/L		79
5) Bromomethane	1.593	94	3151	1.36	ug/L	#	79
6) Chloroethane	1.666	64	2200	1.51	ug/L		93
7) Freon 21	1.818	67	5419	1.20	ug/L		91
8) Trichlorofluoromethane	1.861	101	3733	0.98	ug/L		96
9) Diethyl Ether	2.099	59	2267	1.03	ug/L	#	70
10) Freon 123a	2.099	67	2741	0.89	ug/L		81
11) Freon 123	2.147	83	3464	0.99	ug/L		86
12) Acrolein	2.202	56	4329	7.41	ug/L		84
13) 1,1-Diclethene	2.288	96	1961	1.05	ug/L		94
14) Freon 113	2.300	101	2384	1.09	ug/L		90
15) Acetone	2.336	43	2062	2.05	ug/L		86
16) 2-Propanol	2.464	45	6189	28.16	ug/L		97
17) Iodomethane	2.428	142	707m	0.22	ug/L		
18) Carbon Disulfide	2.489	76	7174	1.10	ug/L		83
19) Acetonitrile	2.580	41	4176	11.62	ug/L		87
20) Allyl Chloride	2.611	76	1580m	1.19	ug/L		
21) Methyl Acetate	2.647	43	3165	1.46	ug/L	#	67
22) Methylene Chloride	2.745	84	3477	1.30	ug/L	#	74
23) TBA	2.867	59	9066	21.70	ug/L		73
24) Acrylonitrile	3.001	53	6237	5.77	ug/L		95
25) Methyl-t-Butyl Ether	3.044	73	8591	1.03	ug/L		85
26) trans-1,2-Dichloroethene	3.038	96	3113m	1.52	ug/L		
27) 1,1-Diclethane	3.537	63	4671	1.12	ug/L		67
28) Vinyl Acetate	3.629	86	574m	1.29	ug/L		
29) DIPE	3.659	45	10484	1.54	ug/L		80
30) 2-Chloro-1,3-Butadiene	3.665	53	4758m	1.32	ug/L		
31) ETBE	4.190	59	7512	1.04	ug/L		80
32) 2,2-Dichloropropane	4.360	77	3730	0.98	ug/L		90
33) cis-1,2-Dichloroethene	4.373	96	2411m	0.91	ug/L		
35) Propionitrile	4.519	54	3236	6.88	ug/L		83
36) Bromochloromethane	4.781	130	1710	1.00	ug/L	#	86
37) Methacrylonitrile	4.775	67	2454m	1.83	ug/L		
38) Tetrahydrofuran	4.879	42	3447	3.34	ug/L		80
39) Chloroform	4.952	83	4434m	0.97	ug/L		
40) 1,1,1-Trichloroethane	5.257	97	3346m	0.82	ug/L		
42) Cyclohexane	5.324	41	3509m	1.60	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:11:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) Carbontetrachloride	5.525	117	2781	0.88 ug/L #	77
45) 1,1-Dichloropropene	5.555	75	3262	0.97 ug/L	96
47) Benzene	5.866	78	11331	1.12 ug/L	93
48) 1,2-Dichloroethane	5.921	62	3415m	0.87 ug/L	
49) Iso-Butyl Alcohol	5.909	43	4734	31.71 ug/L	83
50) TAME	6.104	73	8189	1.04 ug/L	87
51) n-Heptane	6.360	43	4066	1.59 ug/L #	64
52) 1-Butanol	6.860	56	5664	54.58 ug/L	97
53) Trichloroethene	6.829	130	2014	0.77 ug/L	90
54) Methylcyclohexane	7.061	55	4110m	1.43 ug/L	
55) 1,2-Diclpropane	7.092	63	3401m	1.35 ug/L	
56) Dibromomethane	7.244	93	2200	1.21 ug/L	89
57) 1,4-Dioxane	7.317	88	582	11.11 ug/L #	41
58) Methyl Methacrylate	7.342	69	2811m	1.08 ug/L	
59) Bromodichloromethane	7.476	83	3728	1.00 ug/L	88
60) 2-Nitropropane	7.756	41	3900	4.21 ug/L	98
61) 2-Chloroethylvinyl Ether	7.890	63	1533m	1.27 ug/L	
62) cis-1,3-Dichloropropene	8.018	75	3608	0.85 ug/L	71
63) 4-Methyl-2-pentanone	8.226	43	4073	1.43 ug/L	89
65) Toluene	8.390	91	10322	0.96 ug/L	78
66) trans-1,3-Dichloropropene	8.664	75	3087m	0.75 ug/L	
67) Ethyl Methacrylate	8.805	69	4234	0.97 ug/L	97
68) 1,1,2-Trichloroethane	8.847	97	2662	1.04 ug/L	86
71) Tetrachloroethene	8.982	164	1840	0.95 ug/L #	66
72) 2-Hexanone	9.134	43	2662	1.29 ug/L #	62
73) 1,3-Dichloropropane	9.018	76	4235	0.99 ug/L	88
74) Dibromochloromethane	9.231	129	2647	1.02 ug/L #	63
75) N-Butyl Acetate	9.292	43	6161	1.38 ug/L	82
76) 1,2-Dibromoethane	9.341	107	3375m	1.29 ug/L	
77) 3-Chlorobenzotrifluoride	9.859	180	3145	0.90 ug/L #	83
78) Chlorobenzene	9.835	112	7279	1.11 ug/L	95
79) 4-Chlorobenzotrifluoride	9.908	180	3070	1.02 ug/L #	61
80) 1,1,1,2-Tetrachloroethane	9.920	131	2389	1.00 ug/L #	76
81) Ethylbenzene	9.951	106	3523	0.99 ug/L #	66
82) (m+p)Xylene	10.061	106	7570	1.74 ug/L #	80
83) o-Xylene	10.426	106	3999	0.88 ug/L	98
84) Styrene	10.439	104	7211	0.95 ug/L	89
85) Bromoform	10.579	173	2272m	1.30 ug/L	
86) 2-Chlorobenzotrifluoride	10.664	180	3049	0.87 ug/L	88
87) Isopropylbenzene	10.756	105	9265	0.84 ug/L	96
88) Cyclohexanone	10.817	55	11999	24.54 ug/L	81
89) trans-1,4-Dichloro-2-B...	11.066	53	987	1.18 ug/L #	57
91) 1,1,2,2-Tetrachloroethane	11.018	83	3716	1.04 ug/L	90
92) Bromobenzene	11.005	156	3021	1.00 ug/L #	78
93) 1,2,3-Trichloropropane	11.054	110	1200m	1.02 ug/L	
94) n-Propylbenzene	11.115	91	11619	0.94 ug/L	93
95) 2-Chlorotoluene	11.182	91	7460	0.91 ug/L	76
96) 3-Chlorotoluene	11.225	91	9247	1.10 ug/L	99
97) 4-Chlorotoluene	11.274	91	9536	1.07 ug/L	98
98) 1,3,5-Trimethylbenzene	11.262	105	8629	0.96 ug/L	75
99) tert-Butylbenzene	11.536	119	7675	1.00 ug/L	89
100) 1,2,4-Trimethylbenzene	11.579	105	7530	0.82 ug/L	91
101) 3,4-Dichlorobenzotrifl...	11.633	214	3009	1.12 ug/L #	79
102) sec-Butylbenzene	11.719	105	10557	0.94 ug/L	94
103) p-Isopropyltoluene	11.841	119	7805	0.85 ug/L	88
104) 1,3-Dclbenz	11.798	146	5219	0.98 ug/L	80

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:11:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

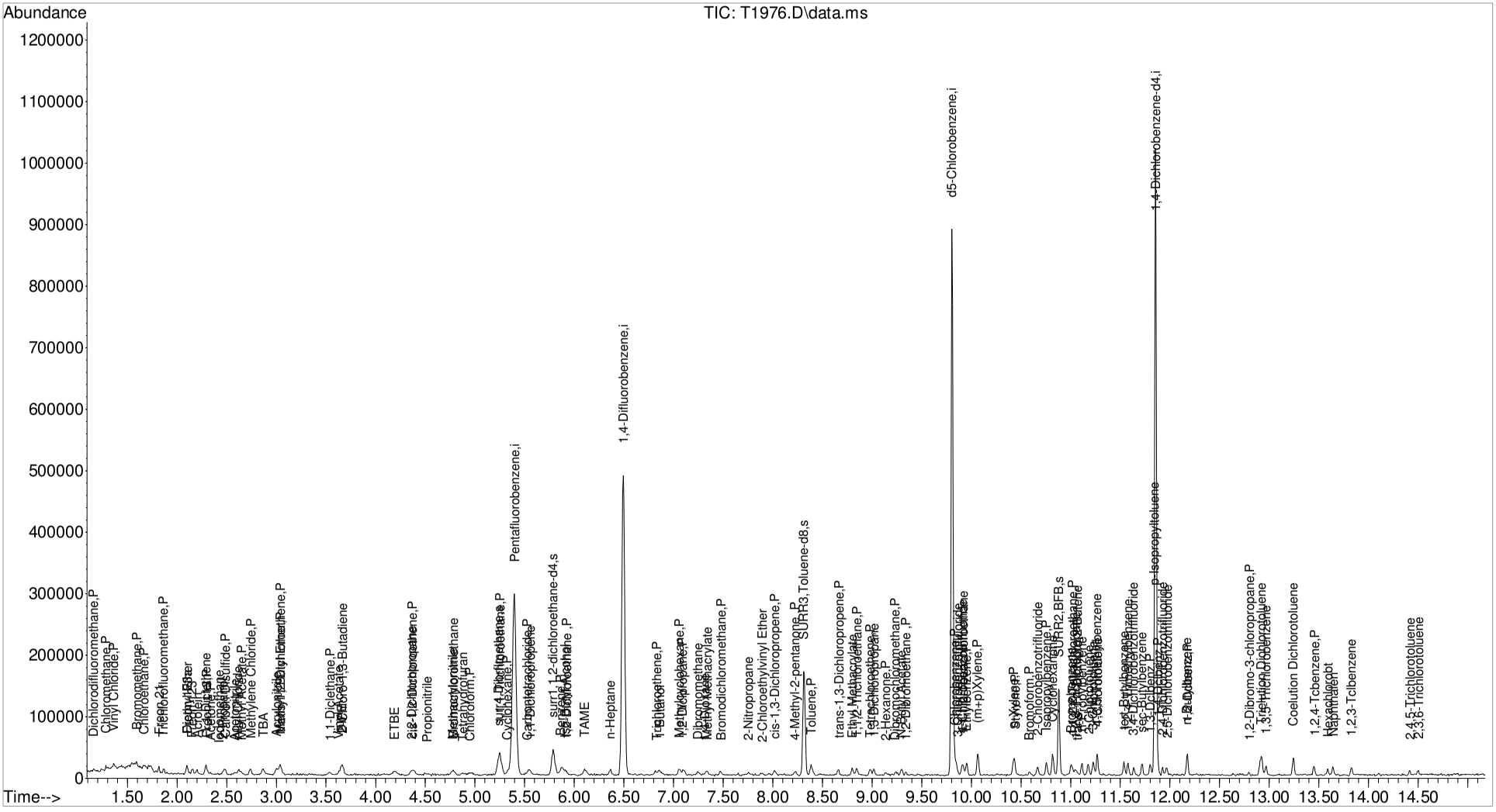
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,4-Dclbenz	11.877	146	6090	1.08	ug/L		84
106) 2,4-Dichlorobenzotrifl...	11.926	214	2260	0.95	ug/L	#	62
107) 2,5-Dichlorobenzotrifl...	11.975	214	2847	1.06	ug/L	#	76
108) n-Butylbenzene	12.170	91	7810	0.94	ug/L		95
109) 1,2-Dclbenz	12.176	146	5174	0.98	ug/L		97
110) 1,2-Dibromo-3-chloropr...	12.798	157	850	0.97	ug/L	#	64
111) Trielution Dichlorotol...	12.920	125	12916	2.79	ug/L		94
112) 1,3,5-Trichlorobenzene	12.969	180	3578	0.93	ug/L		81
113) Coelution Dichlorotoluene	13.243	125	9772	1.92	ug/L		90
114) 1,2,4-Tcbenzene	13.456	180	3662	1.01	ug/L	#	71
115) Hexachlorobt	13.590	225	2047	1.28	ug/L	#	79
116) Naphthalen	13.645	128	7567	0.77	ug/L		91
117) 1,2,3-Tclbenzene	13.828	180	2648	0.72	ug/L		89
118) 2,4,5-Trichlorotoluene	14.419	159	1270	0.54	ug/L		91
119) 2,3,6-Trichlorotoluene	14.505	159	1142	0.54	ug/L		87

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1976.D
Acq On : 17 Sep 2020 1:09 pm
Operator : F.NAEGLER
Sample : 1 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 15:11:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

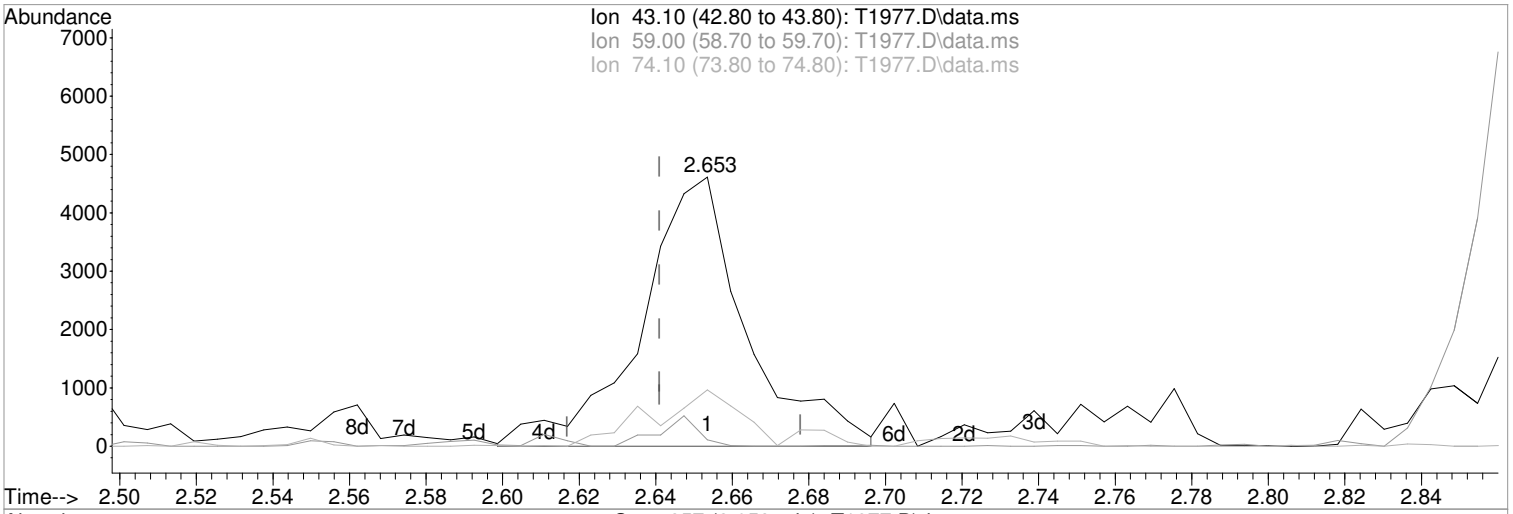


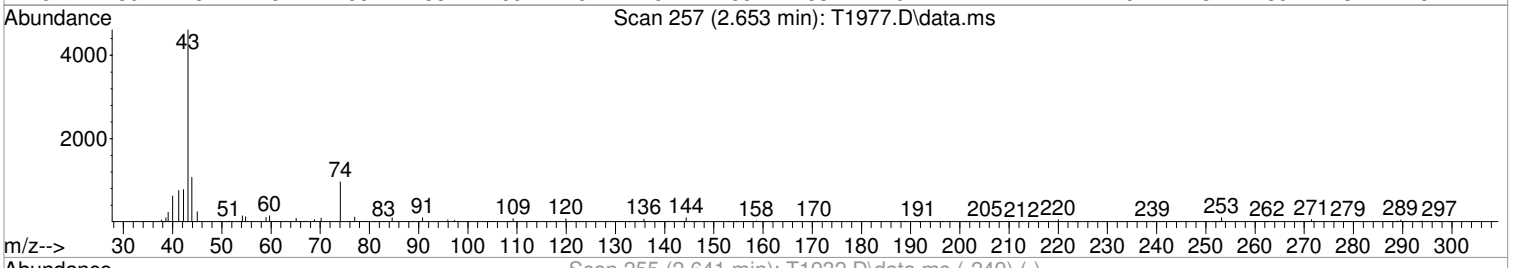
1st FJ 09/18/20
2nd 09/19/20

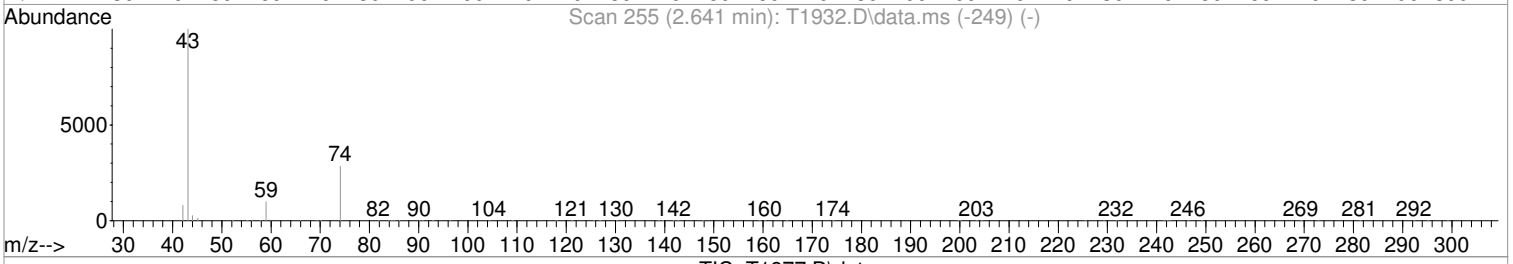
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(21) Methyl Acetate (P)

2.653min (+0.012) 4.36 ug/L m

response 8890

Ion	Exp%	Act%
43.10	100	100
59.00	9.90	3.19
74.10	28.40	20.95
0.00	0.00	0.00

Manual Integration:

After

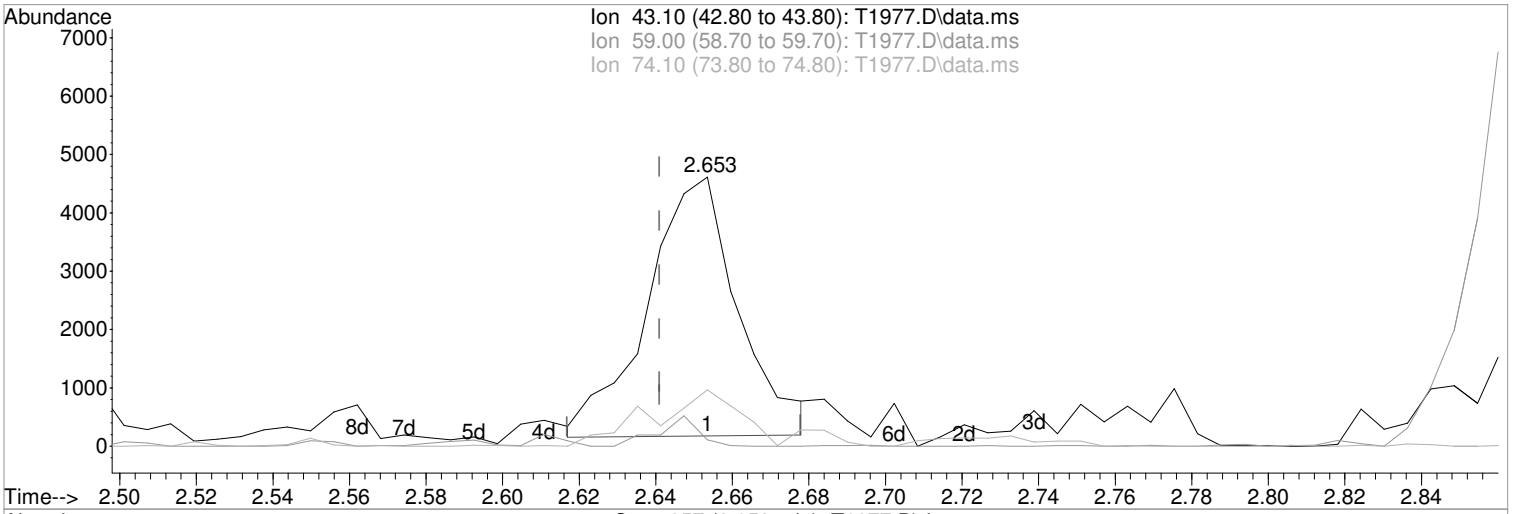
Poor integration.

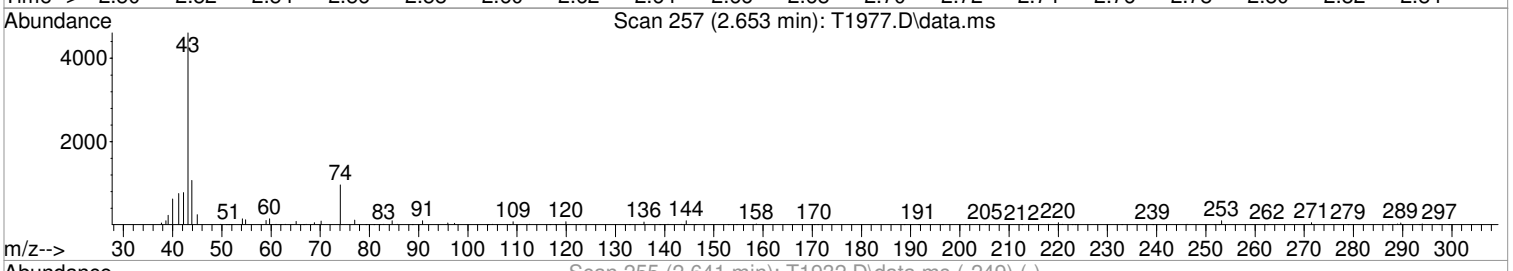
09/17/20

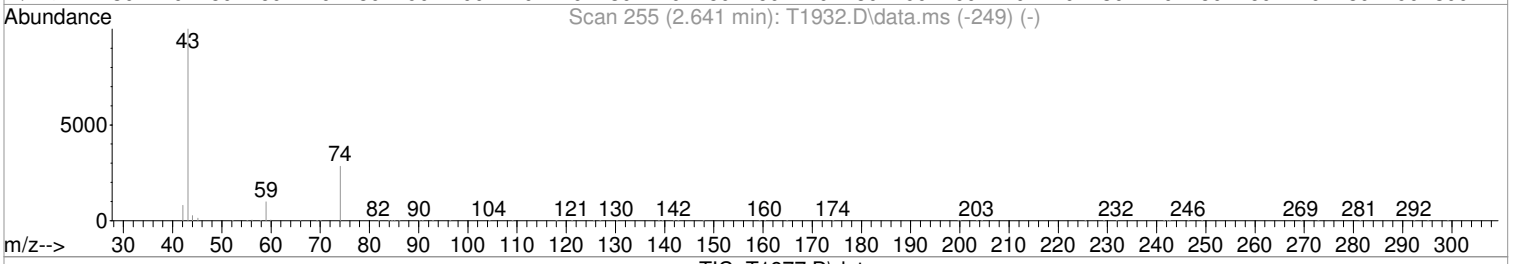
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(21) Methyl Acetate (P)

2.653min (+0.012) 3.59 ug/L

response 7319

Ion	Exp%	Act%
43.10	100	100
59.00	9.90	5.51
74.10	28.40	20.95
0.00	0.00	0.00

Manual Integration:

Before

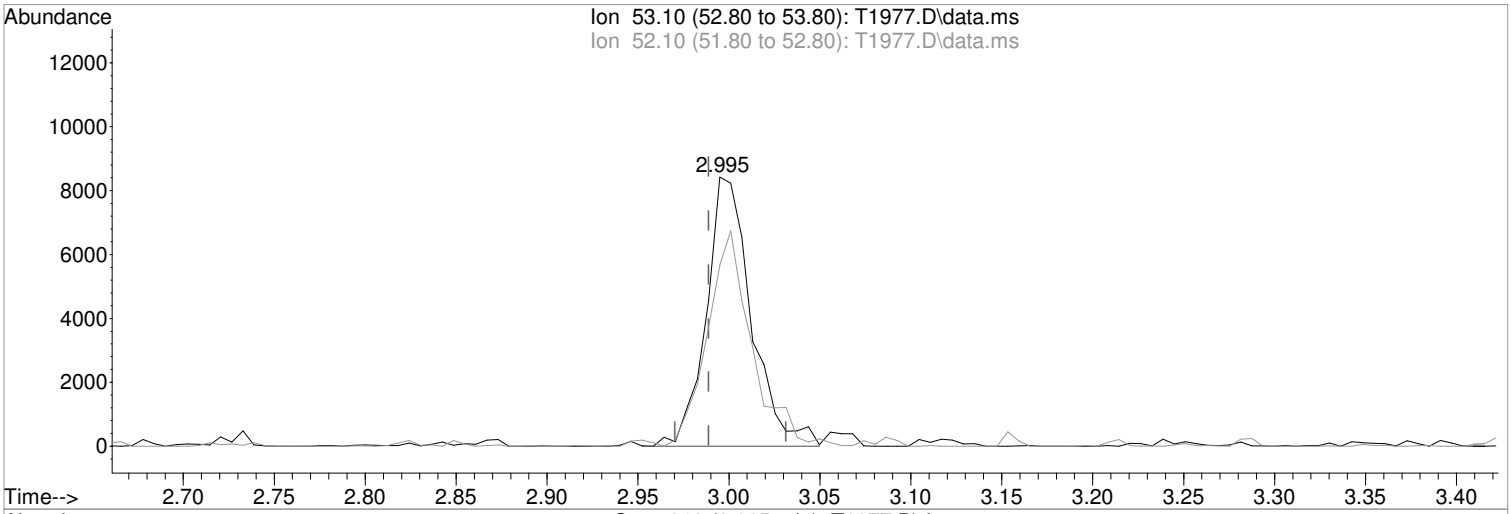
09/17/20

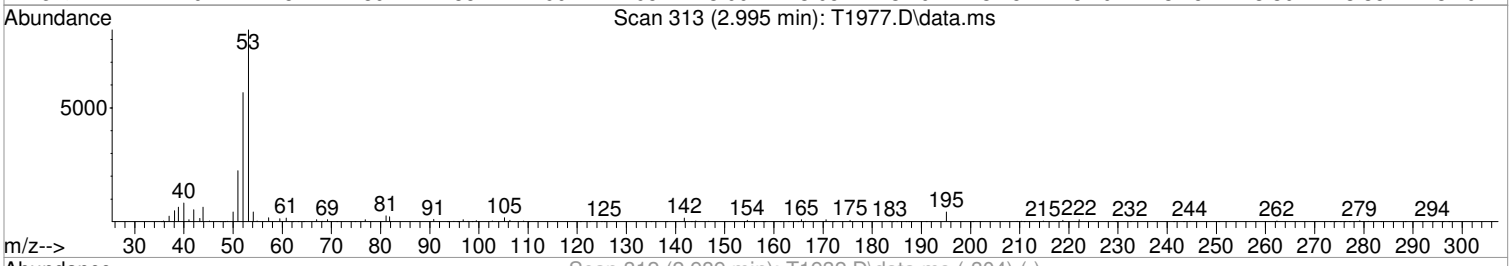
1st FN 09/18/20
2nd 09/19/20

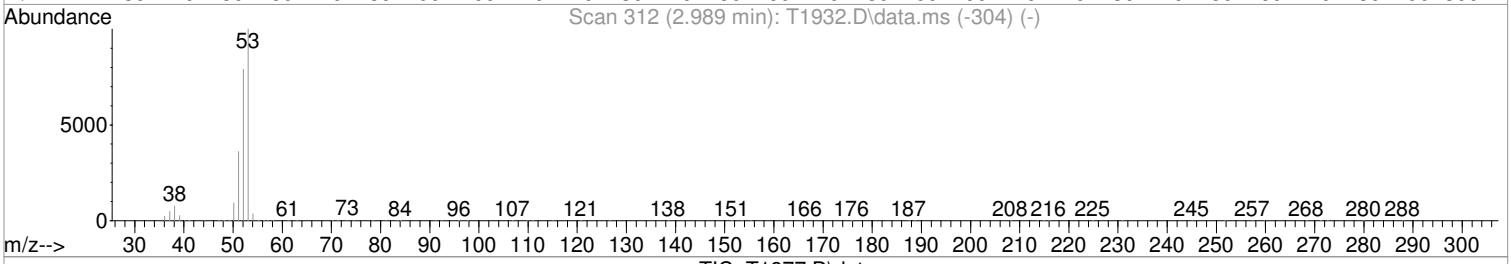
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(24) Acrylonitrile

2.995min (+0.006) 14.36 ug/L m

response 14586

Ion	Exp%	Act%
53.10	100	100
52.10	79.00	67.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

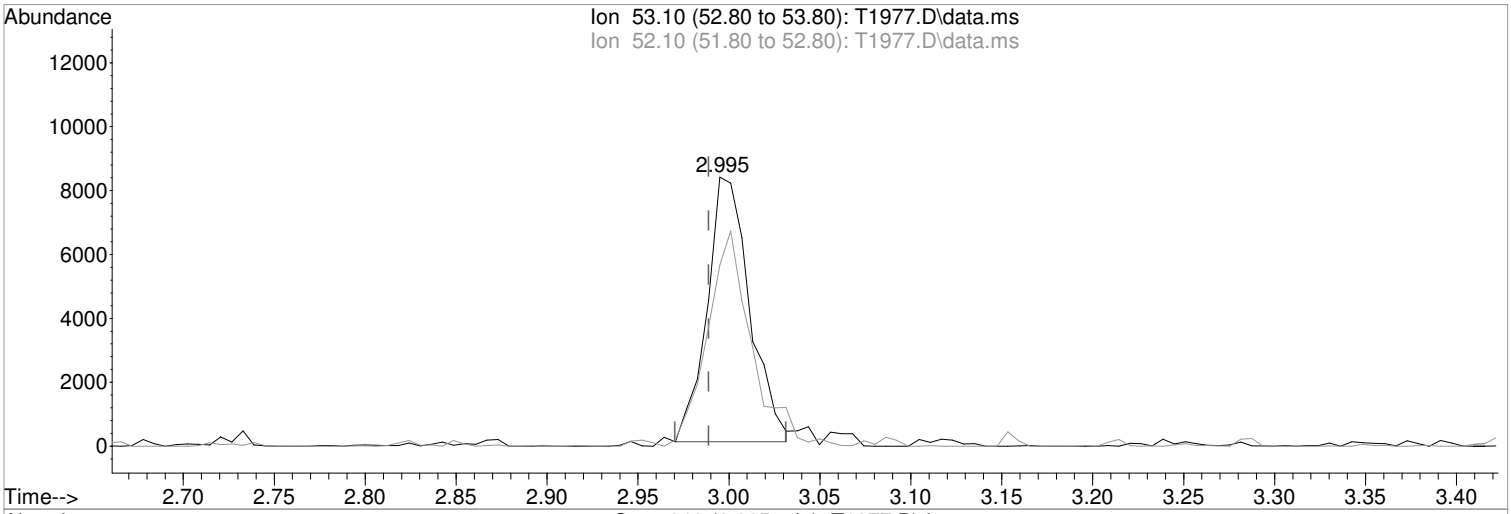
Poor integration.

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1977.D\data.ms

(24) Acrylonitrile

2.995min (+0.006) 13.29 ug/L

response 13497

Ion	Exp%	Act%
53.10	100	100
52.10	79.00	67.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

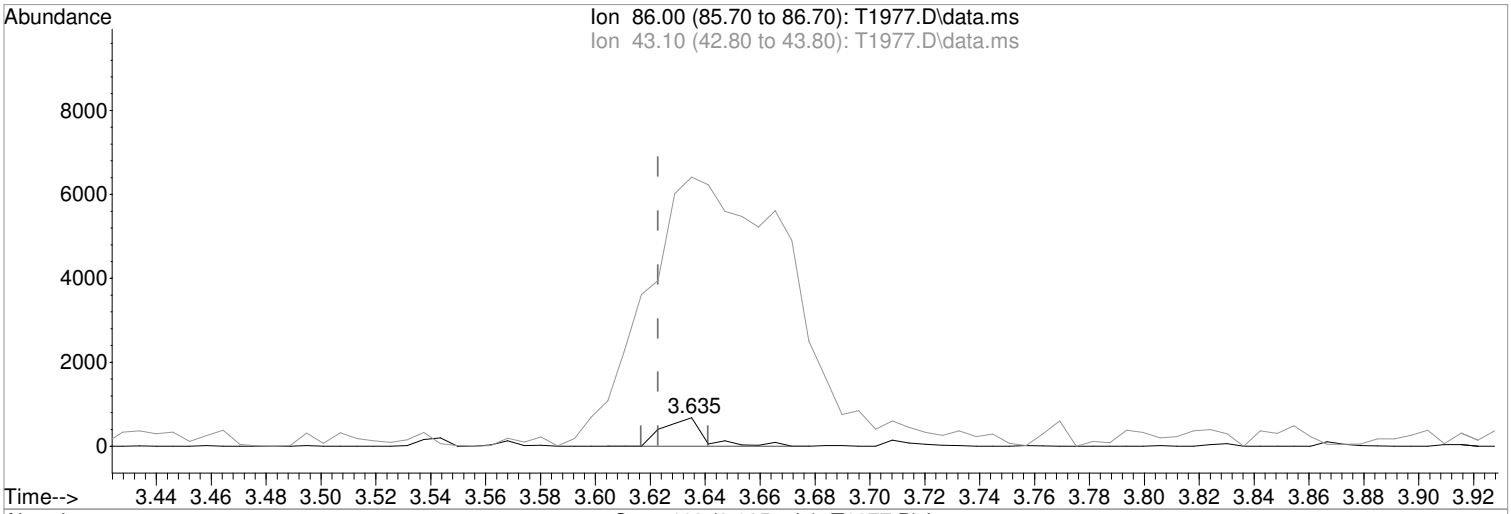
Before

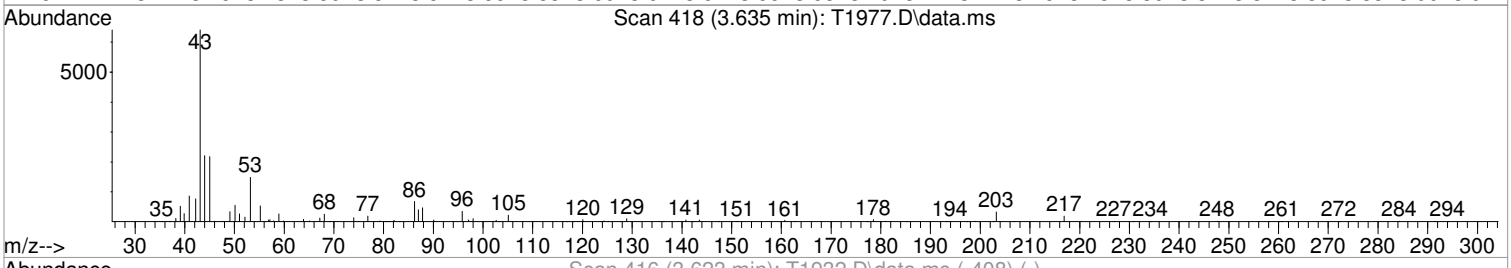
09/17/20

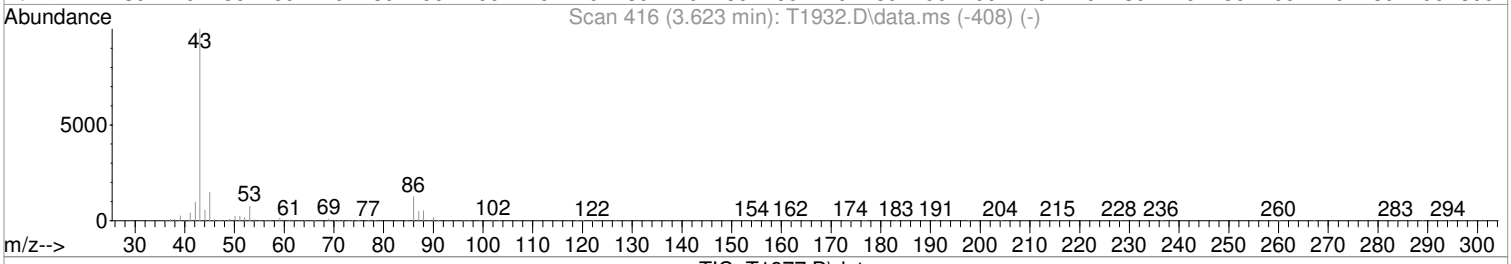
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(28) Vinyl Acetate

3.635min (+0.012) 1.71 ug/L m

response 716

Ion	Exp%	Act%
86.00	100	100
43.10	800.10	939.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

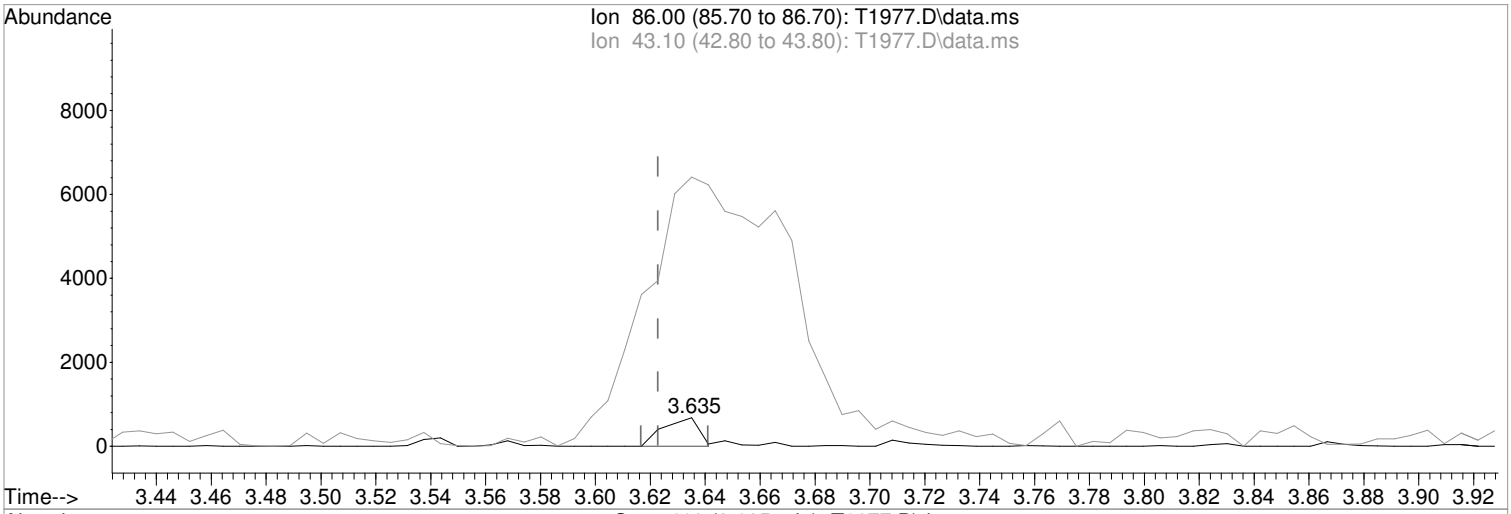
Poor integration.

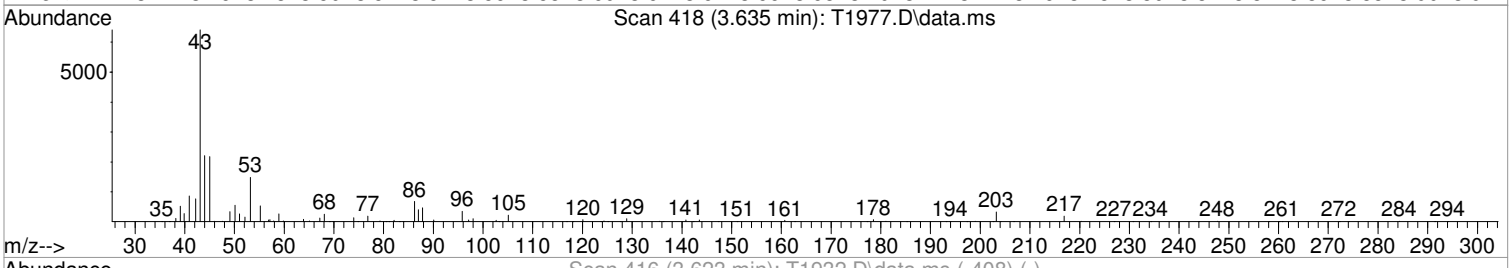
09/17/20

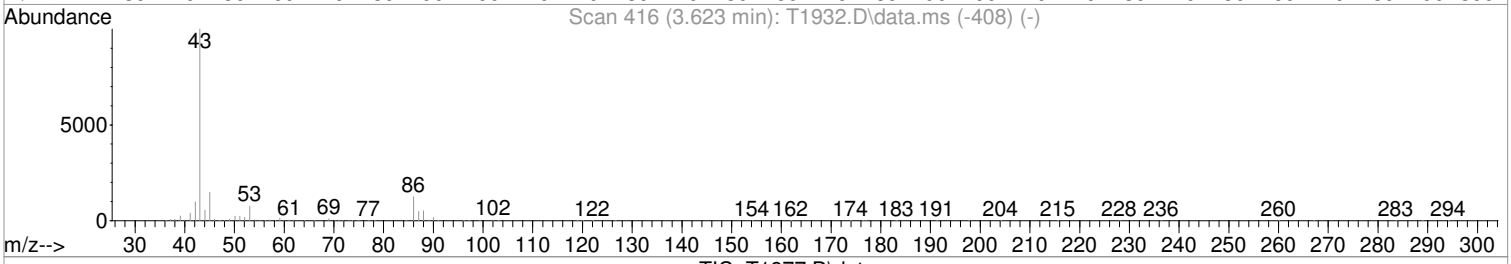
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(28) Vinyl Acetate

3.635min (+0.012) 1.47 ug/L

response 615

Ion	Exp%	Act%
86.00	100	100
43.10	800.10	939.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

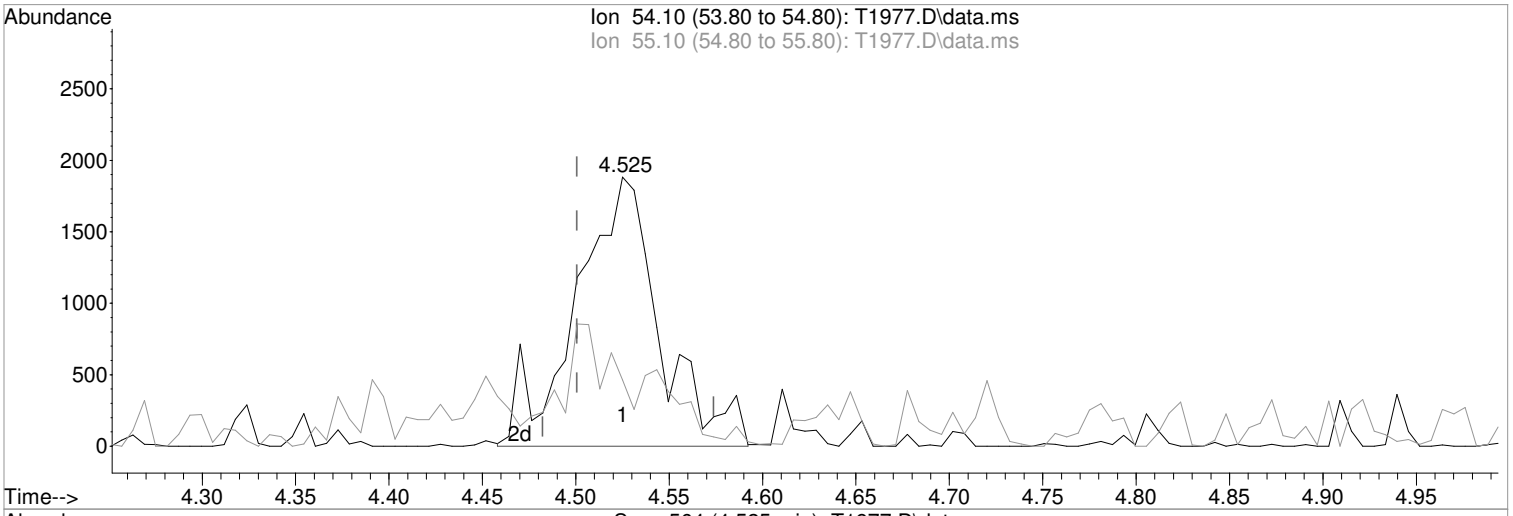
Before

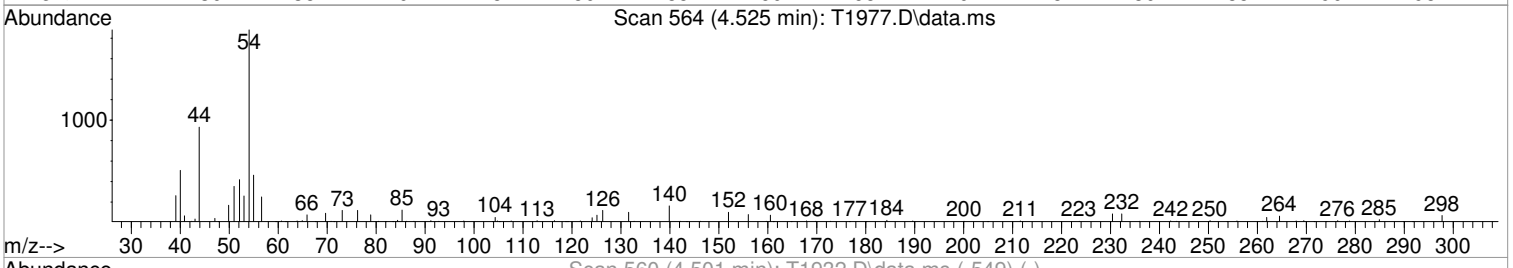
09/17/20

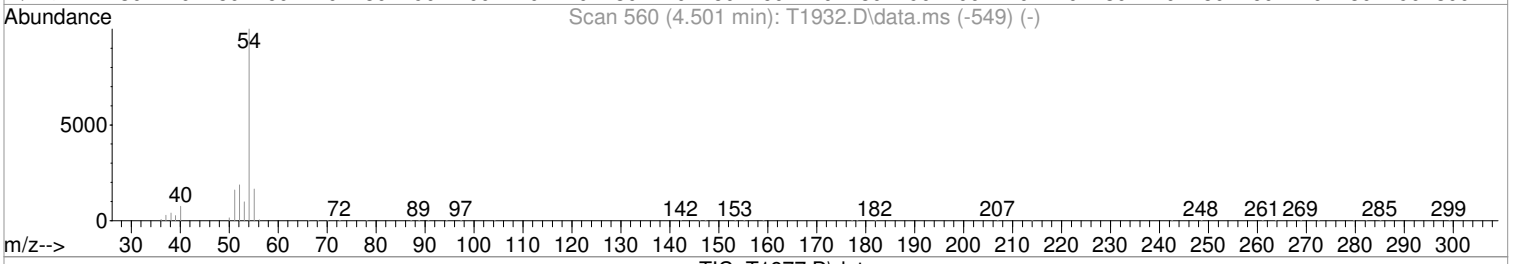
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(35) Propionitrile

4.525min (+0.024) 13.27 ug/L m

response 5870

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	24.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

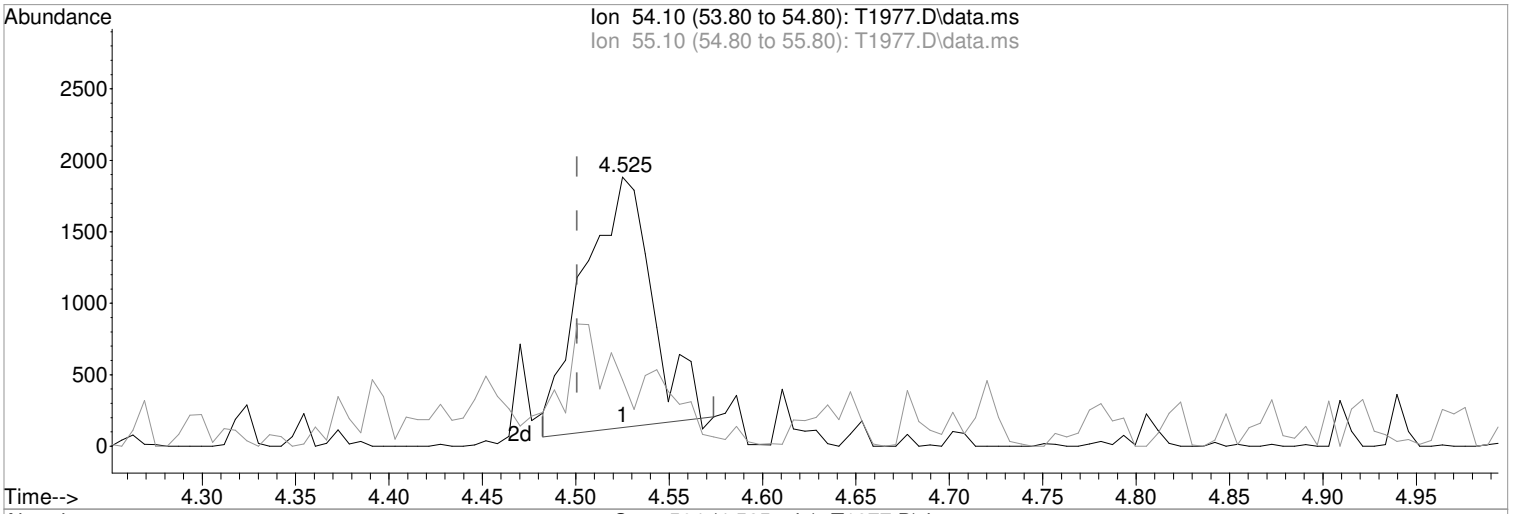
Poor integration.

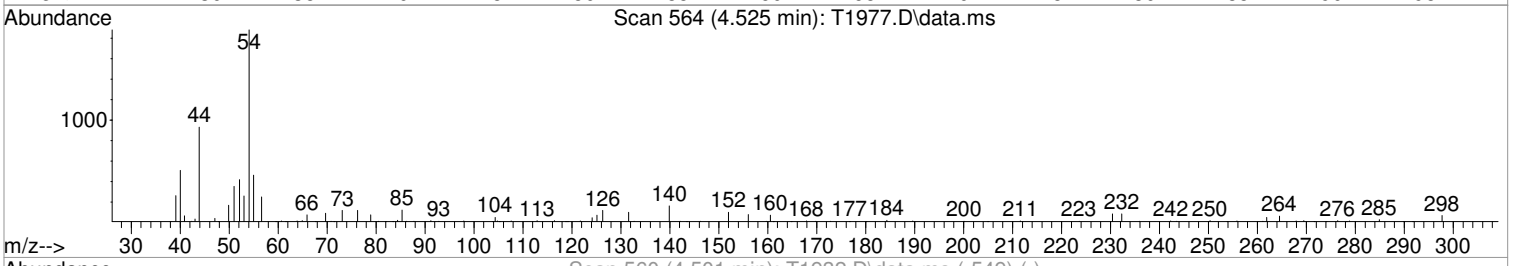
09/17/20

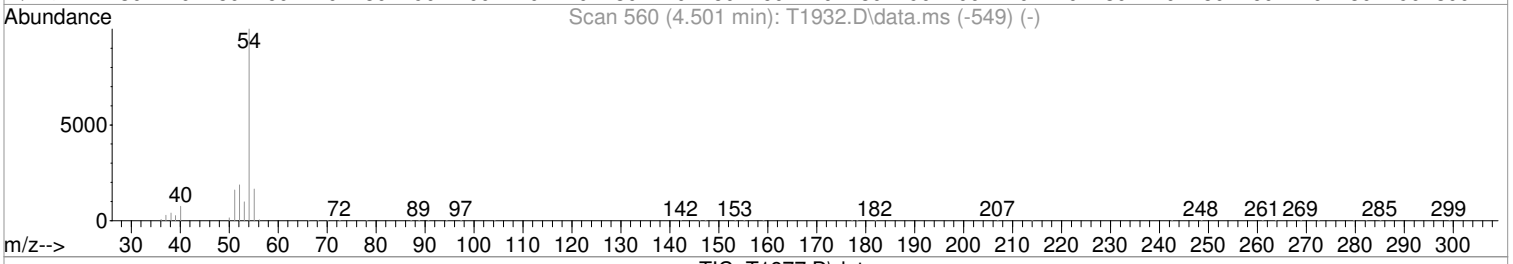
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(35) Propionitrile

4.525min (+0.024) 10.10 ug/L

response 4468

Ion	Exp%	Act%
54.10	100	100
55.10	17.00	24.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

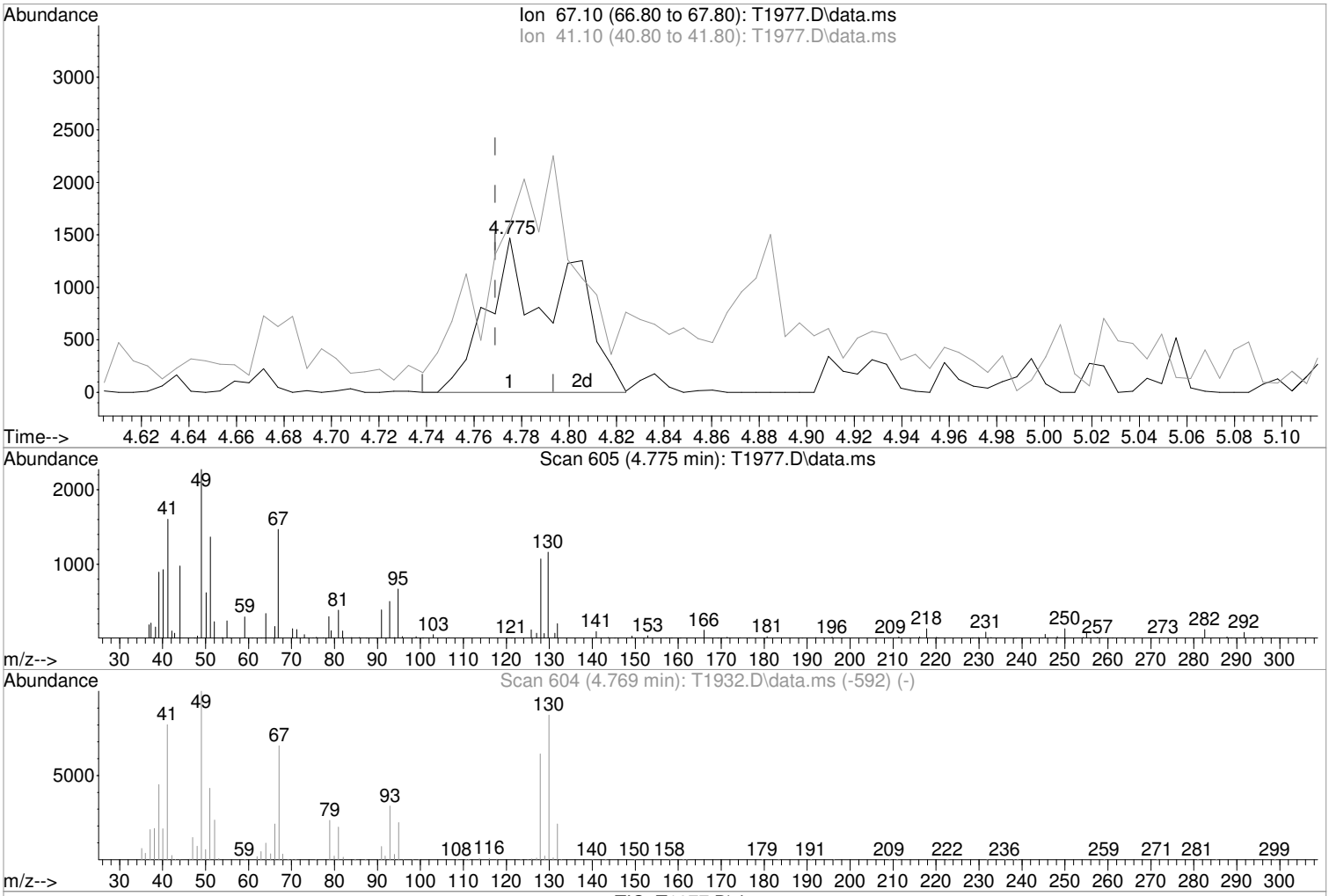
Before

09/17/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1977.D\data.ms

(37) Methacrylonitrile

4.775min (+0.006) 2.59 ug/L m

response 3263

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	109.33
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

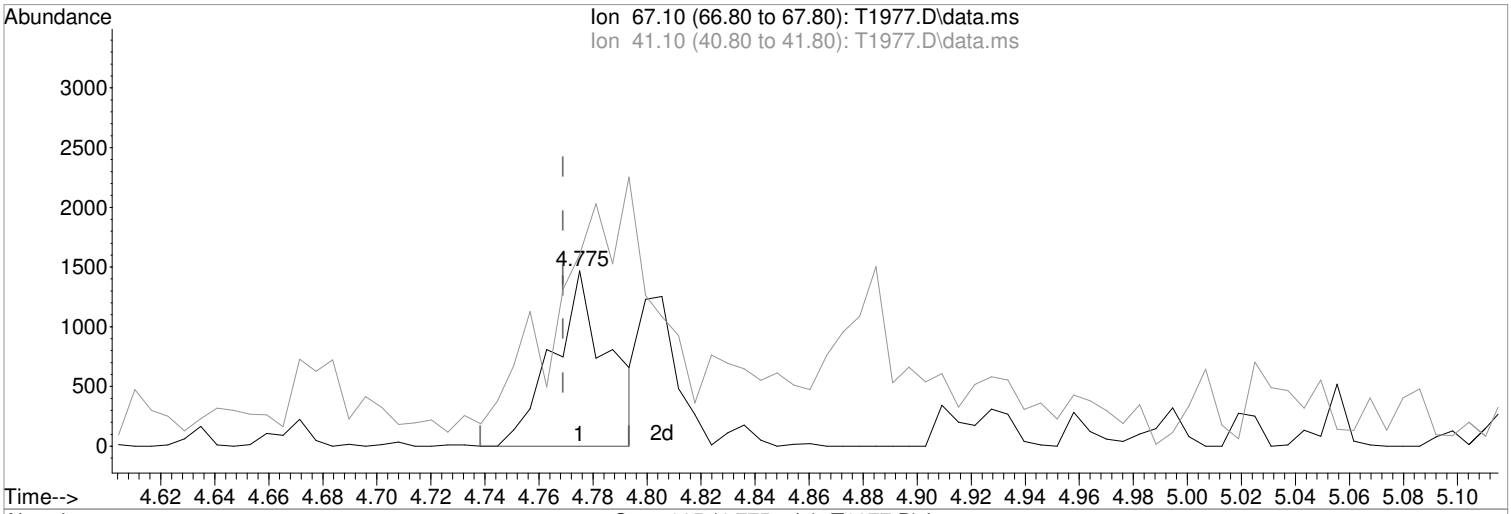
Poor integration.

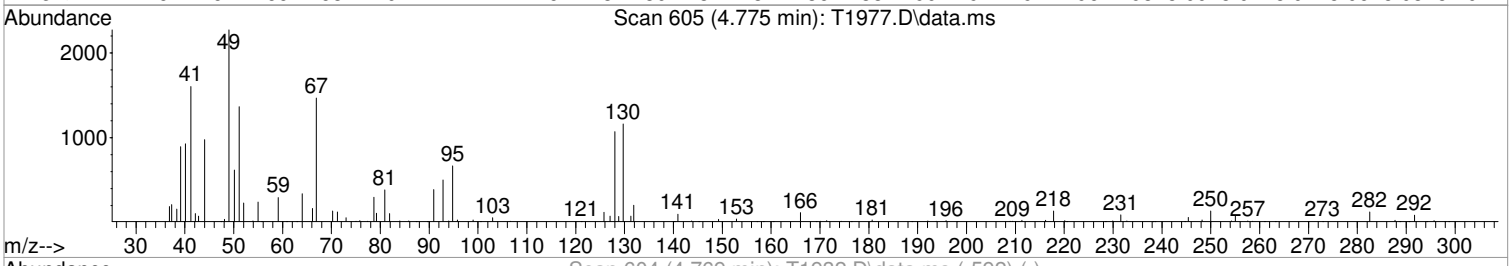
09/17/20

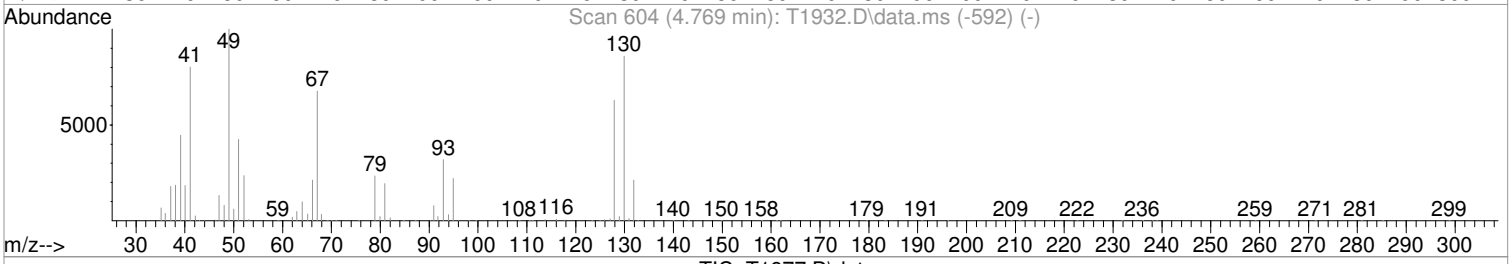
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(37) Methacrylonitrile

4.775min (+0.006) 1.65 ug/L

response 2077

Ion	Exp%	Act%
67.10	100	100
41.10	119.50	109.33
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

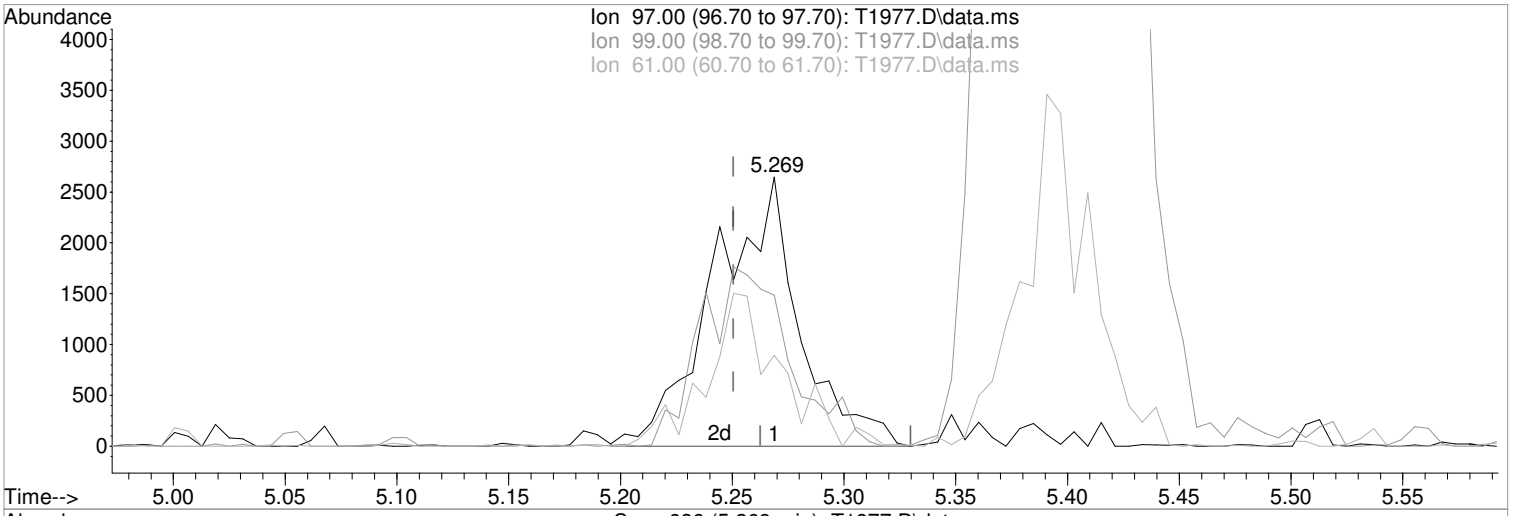
09/17/20

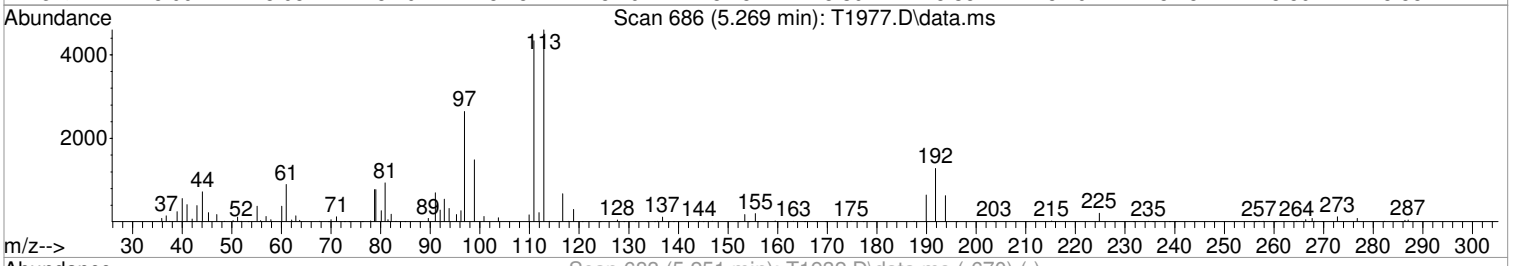
1st FN 09/18/20
2nd 09/19/20

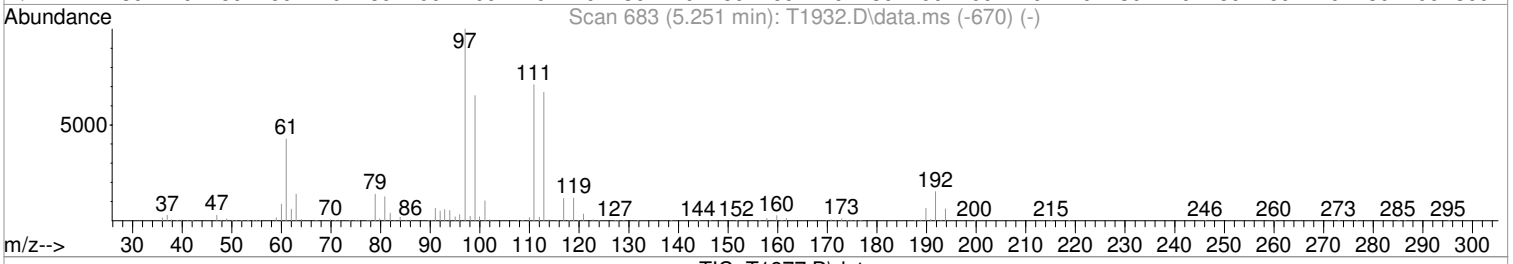
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

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

5.269min (+0.018) 1.84 ug/L m

response 7065

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	56.12
61.00	42.70	33.82
0.00	0.00	0.00

Manual Integration:

After

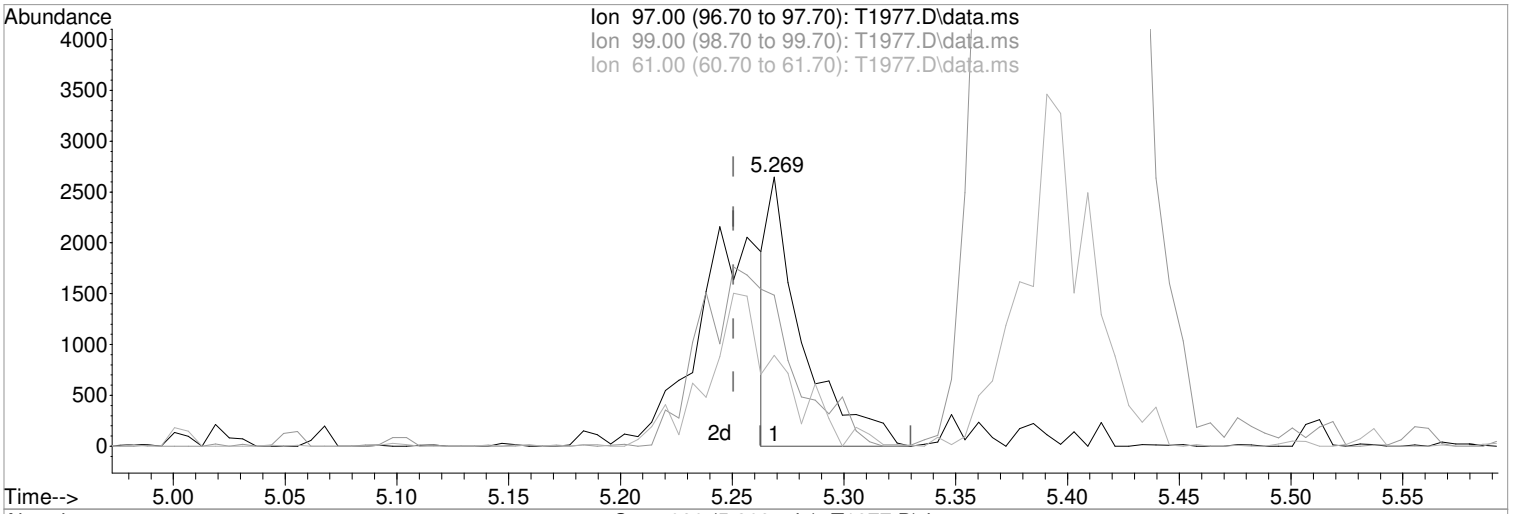
Poor integration.

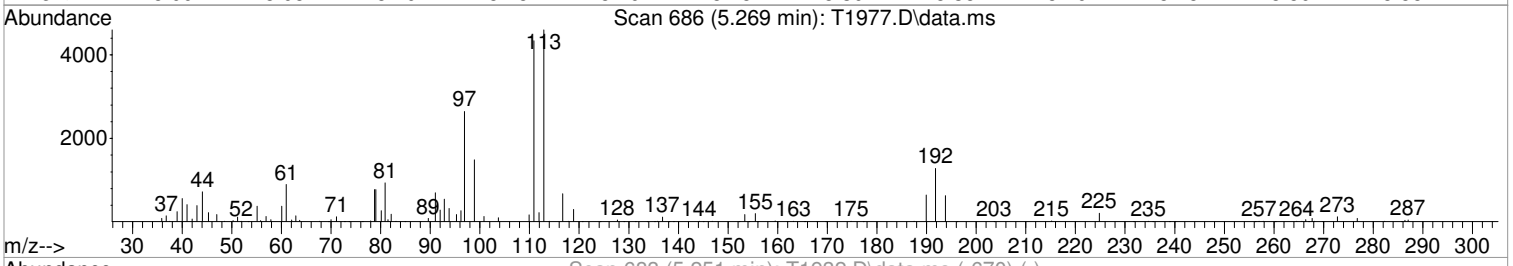
09/17/20

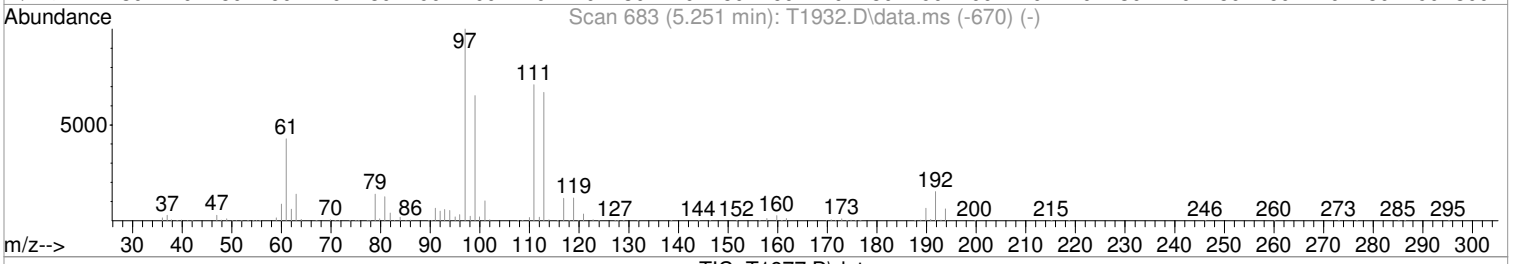
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

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

5.269min (+0.018) 0.73 ug/L

response 2806

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	56.12
61.00	42.70	33.82
0.00	0.00	0.00

Manual Integration:

Before

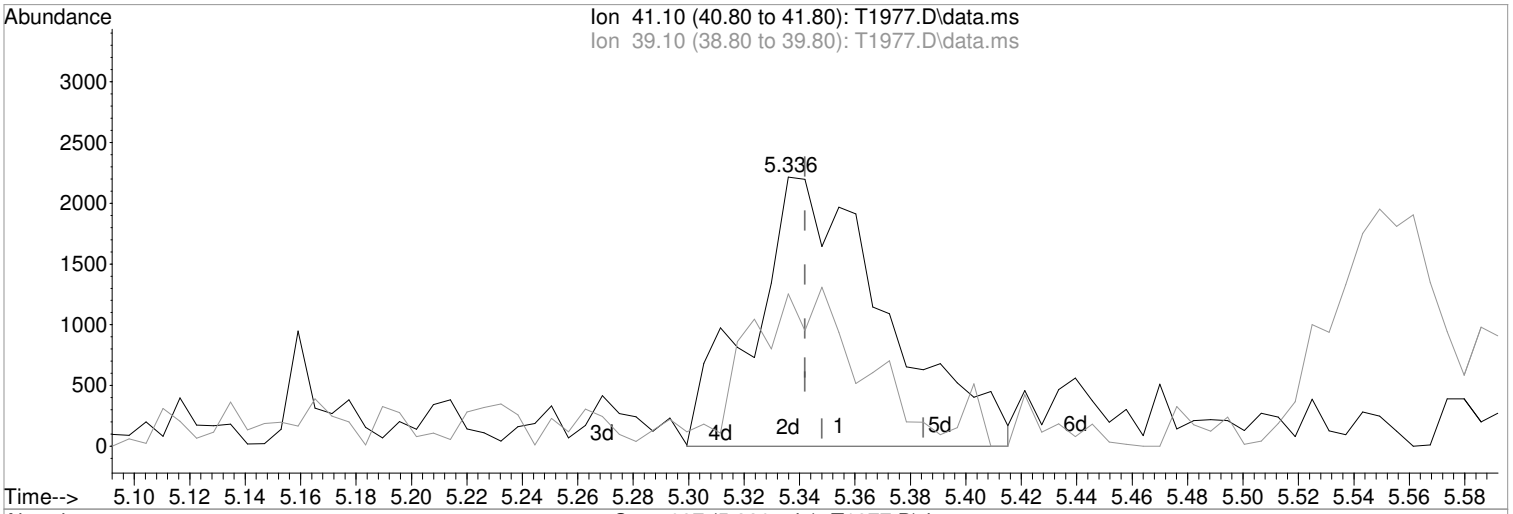
09/17/20

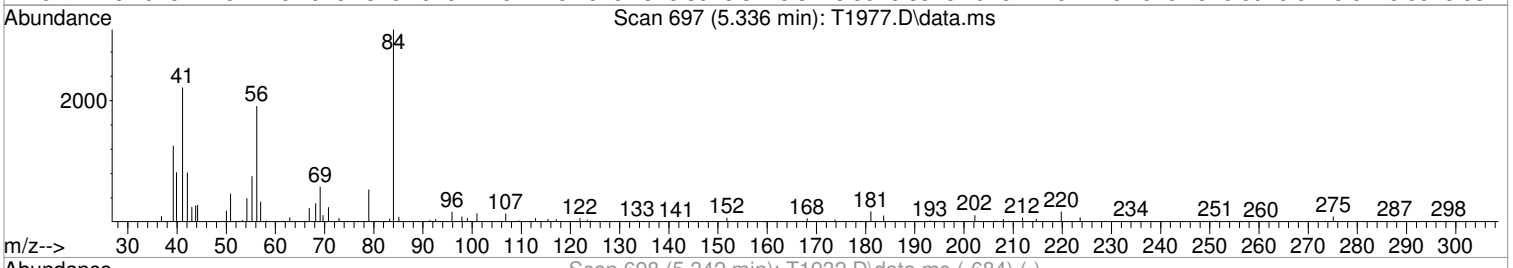
1st FN 09/18/20
2nd 09/19/20

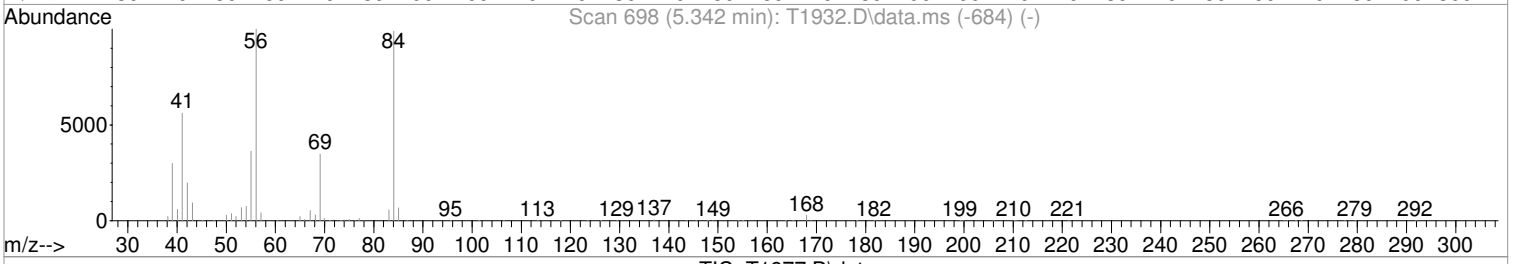
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(42) Cyclohexane (P)

5.336min (-0.006) 3.60 ug/L m

response 7400

Ion	Exp%	Act%
41.10	100	100
39.10	53.20	56.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

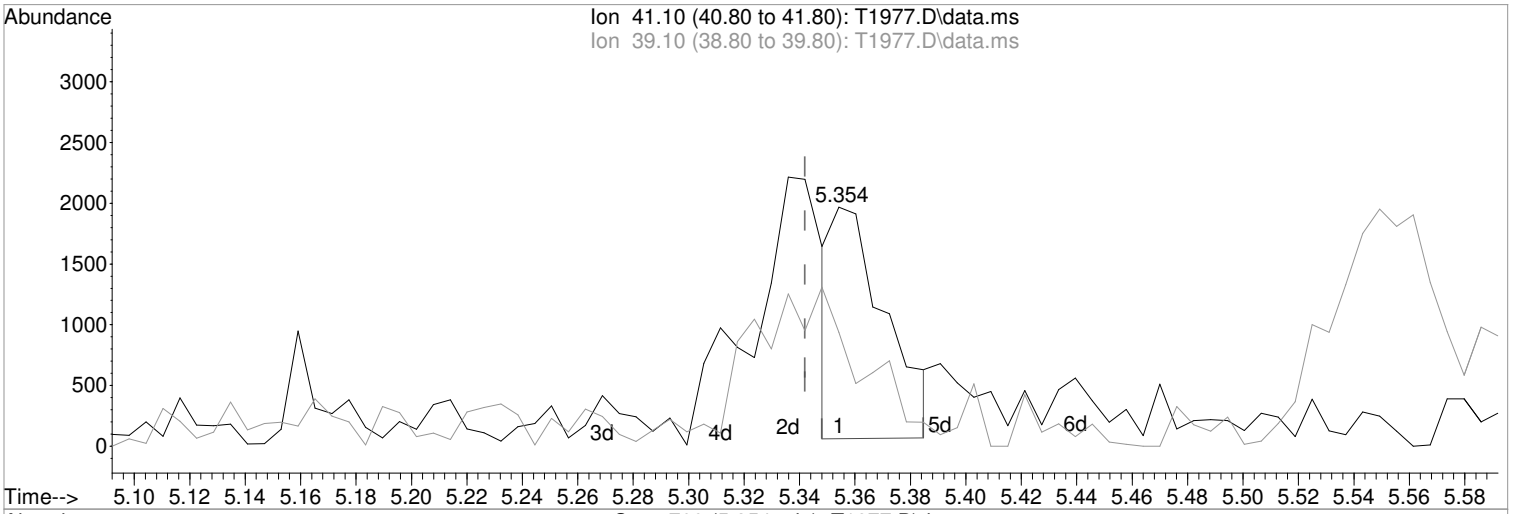
09/17/20

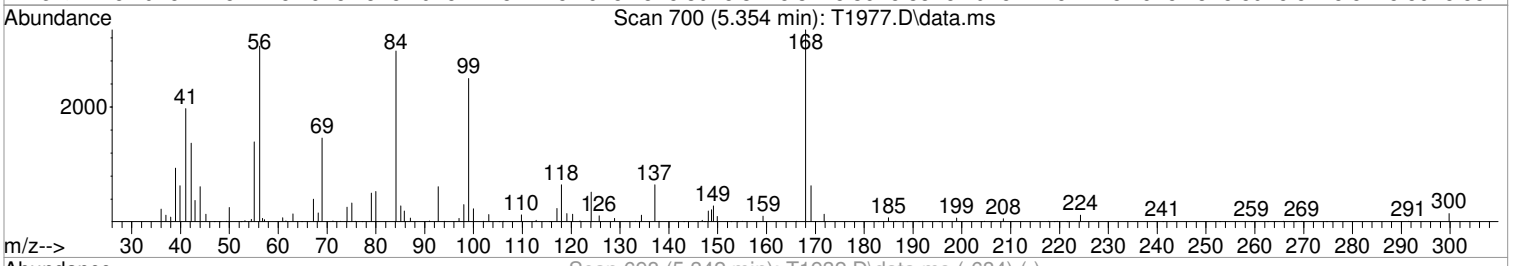
1st FW 09/18/20
2nd WR 09/19/20

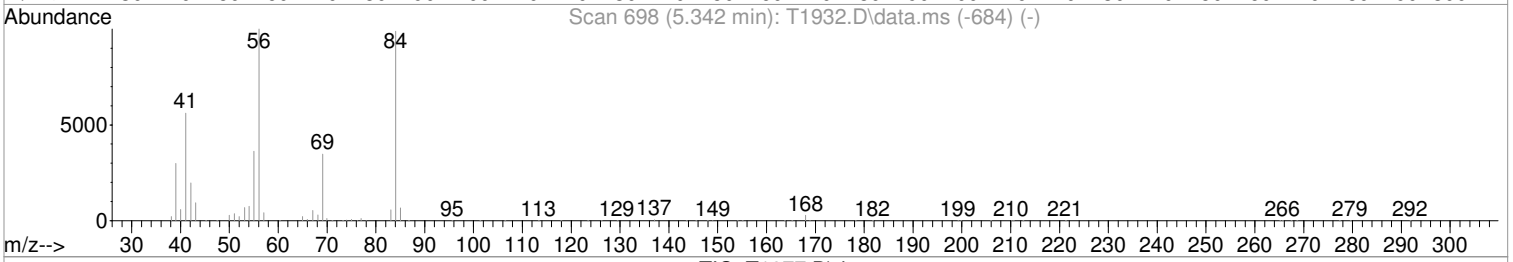
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(42) Cyclohexane (P)

5.354min (+0.012) 1.25 ug/L

response 2563

Ion	Exp%	Act%
41.10	100	100
39.10	53.20	47.61
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

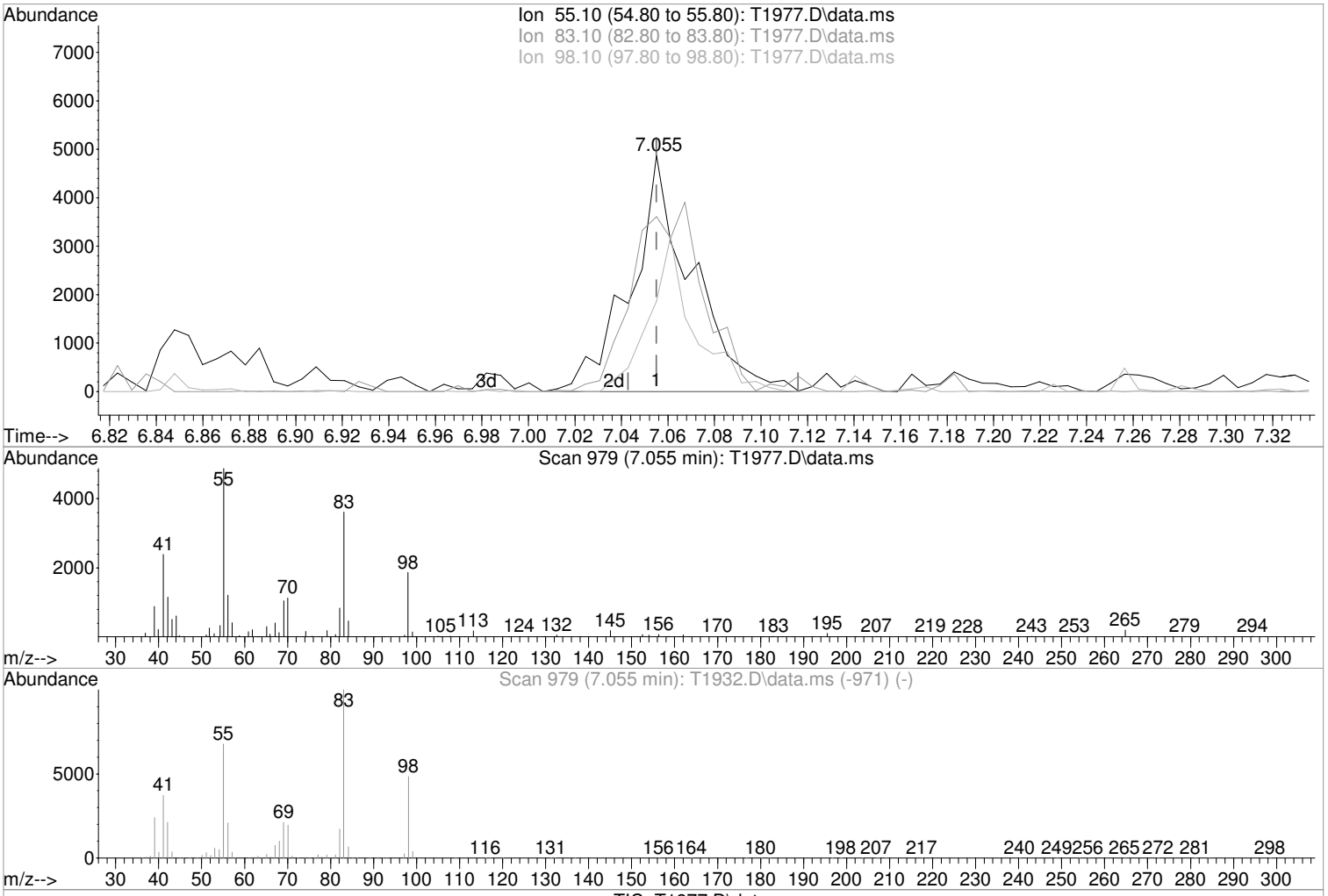
09/17/20

1st FJ 09/18/20
2nd 09/19/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



TIC: T1977.D\data.ms

(54) Methylcyclohexane (P)

7.055min (-0.000) 3.31 ug/L m

response 8906

Ion	Exp%	Act%
55.10	100	100
83.10	147.30	74.15#
98.10	71.40	38.31#
0.00	0.00	0.00

Manual Integration:

After

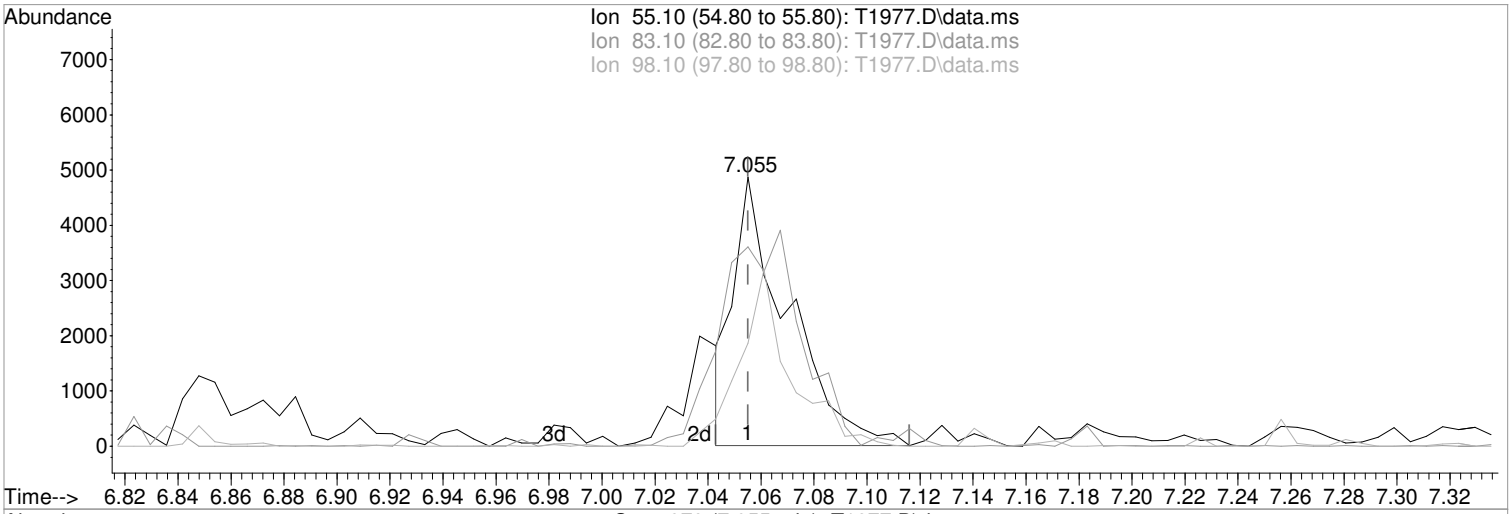
Poor integration.

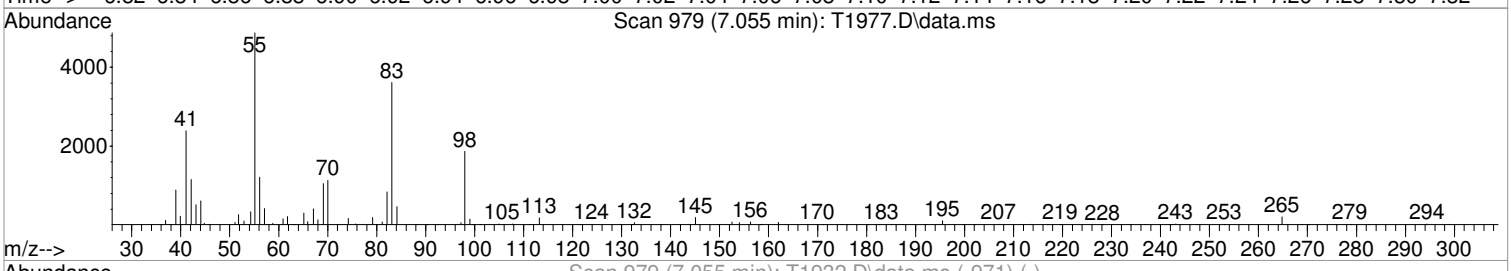
09/17/20

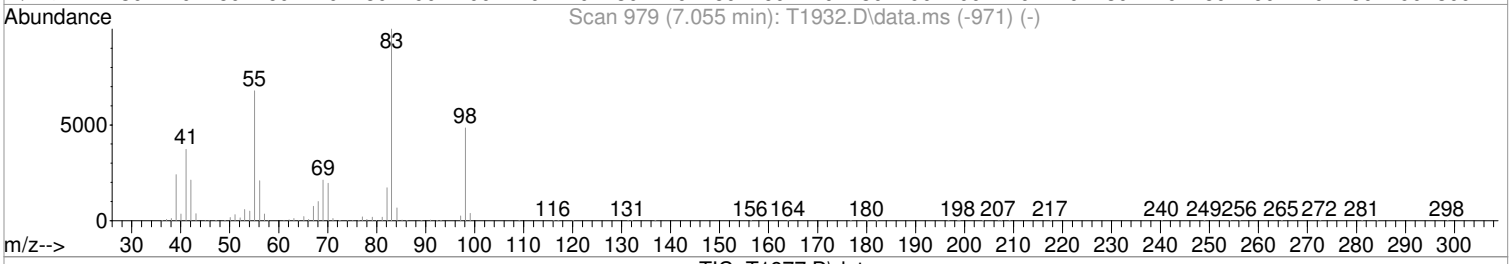
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(54) Methylcyclohexane (P)

7.055min (-0.000) 2.57 ug/L

response 6910

Ion	Exp%	Act%
55.10	100	100
83.10	147.30	74.15#
98.10	71.40	38.31#
0.00	0.00	0.00

Manual Integration:

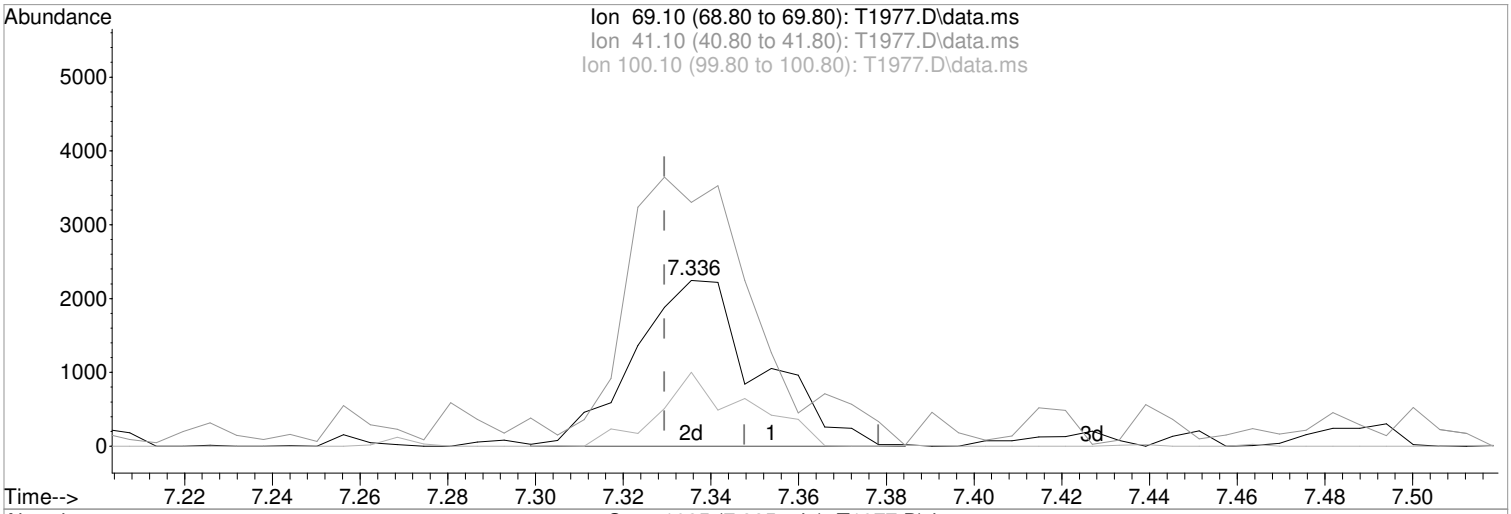
Before

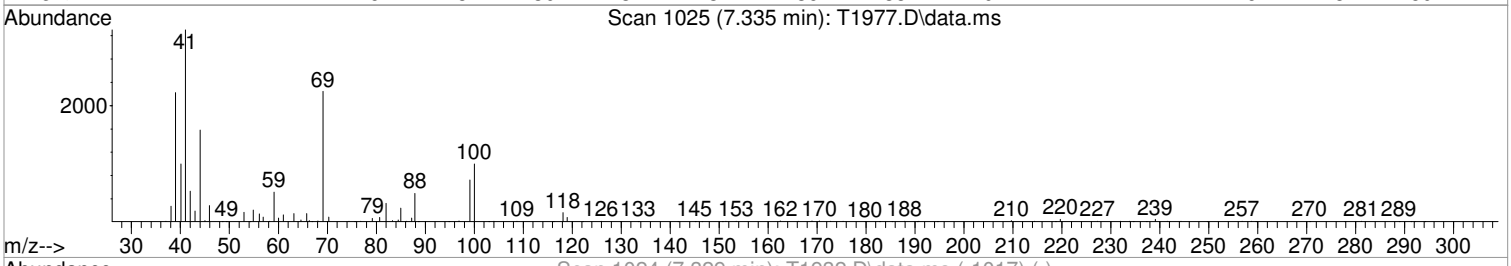
09/17/20

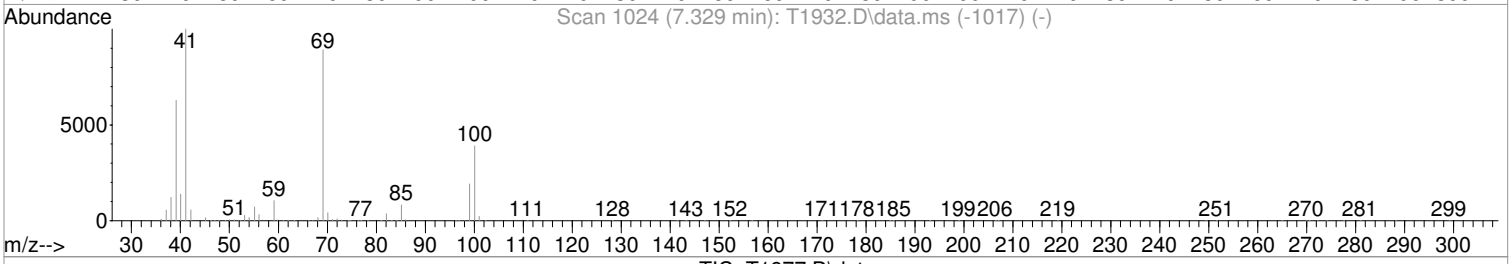
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(58) Methyl Methacrylate

7.335min (+0.006) 1.84 ug/L m

response 4479

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	146.97#
100.10	43.80	44.57
0.00	0.00	0.00

Manual Integration:

After

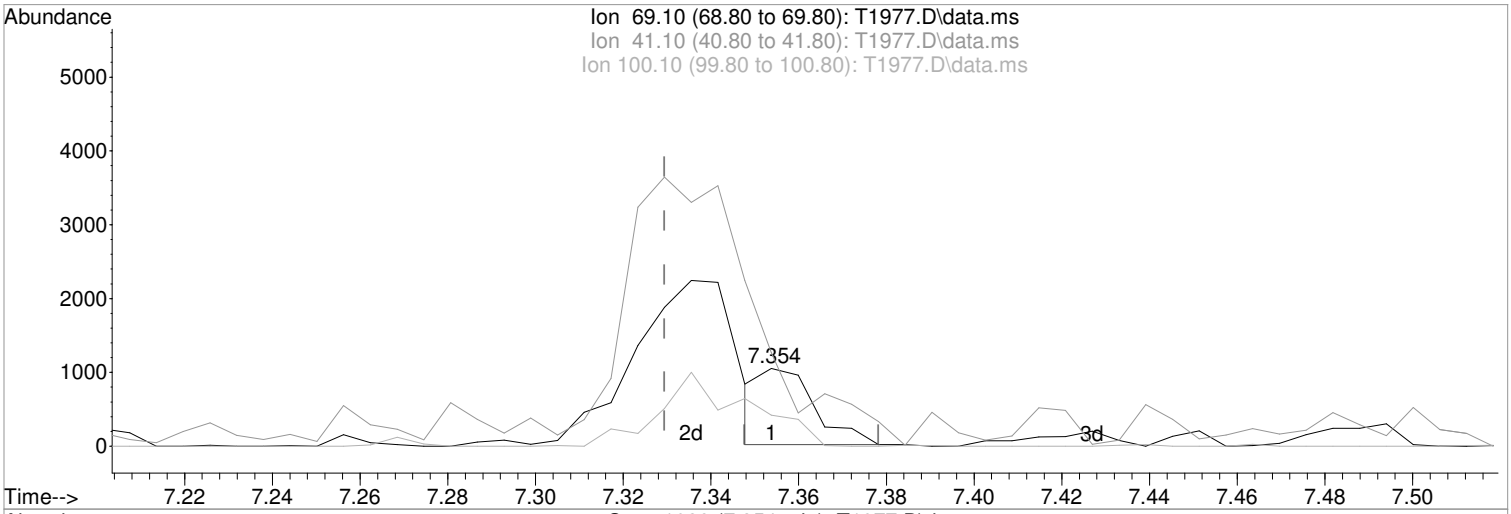
Poor integration.

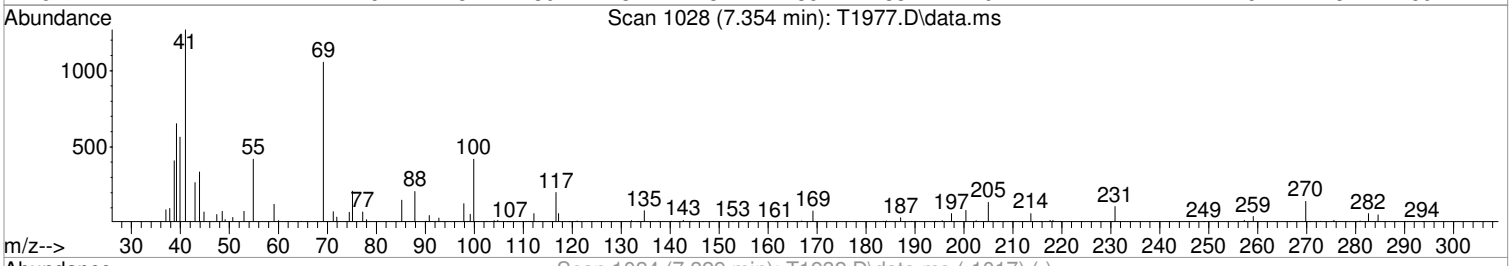
09/17/20

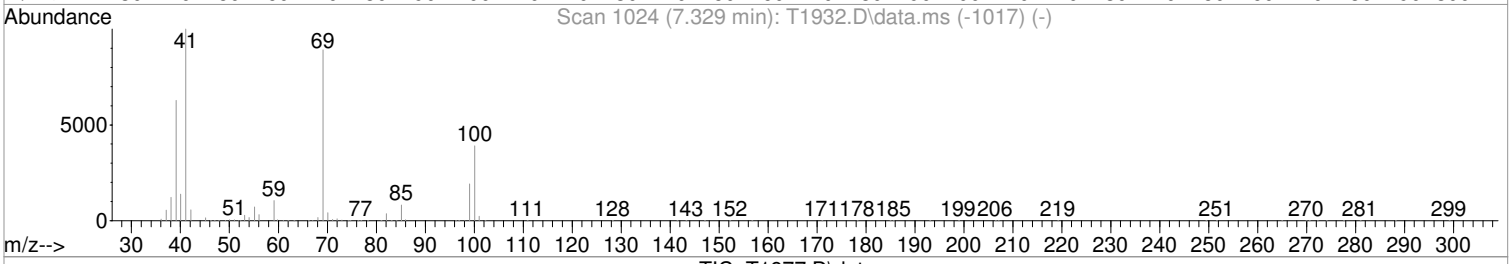
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:13:45 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1977.D\data.ms

(58) Methyl Methacrylate

7.354min (+0.024) 0.37 ug/L

response 893

Ion	Exp%	Act%
69.10	100	100
41.10	112.90	120.19
100.10	43.80	39.72
0.00	0.00	0.00

Manual Integration:

Before

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:16:04 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.403	168	252682	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.500	114	391060	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	346367	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	174503	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	24366	9.98	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 19.96%#				
46) surr1,1,2-dichloroetha...	5.787	65	32362	10.20	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.40%#				
64) SURR3,Toluene-d8	8.317	98	101460	10.55	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.10%#				
69) SURR2,BFB	10.878	95	35511	9.24	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 18.48%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	5095	1.69	ug/L		89
3) Chloromethane	1.282	50	7620	2.91	ug/L		73
4) Vinyl Chloride	1.361	62	6162	2.45	ug/L	#	32
5) Bromomethane	1.587	94	6566	3.01	ug/L		87
6) Chloroethane	1.666	64	3508	2.57	ug/L		84
7) Freon 21	1.818	67	10582	2.48	ug/L		79
8) Trichlorofluoromethane	1.867	101	7181	2.01	ug/L		90
9) Diethyl Ether	2.099	59	5413	2.61	ug/L		88
10) Freon 123a	2.099	67	6909	2.39	ug/L		81
11) Freon 123	2.154	83	6960	2.12	ug/L		84
12) Acrolein	2.202	56	9262	16.87	ug/L		96
13) 1,1-Diclethene	2.294	96	3644	2.08	ug/L	#	81
14) Freon 113	2.300	101	4521	2.20	ug/L		84
15) Acetone	2.336	43	4183	4.42	ug/L		82
16) 2-Propanol	2.465	45	13190	63.84	ug/L		69
17) Iodomethane	2.416	142	2812	0.95	ug/L	#	58
18) Carbon Disulfide	2.483	76	14508	2.38	ug/L		90
19) Acetonitrile	2.593	41	5723	16.94	ug/L		93
20) Allyl Chloride	2.629	76	2532	2.03	ug/L		93
21) Methyl Acetate	2.653	43	8890m	4.36	ug/L		
22) Methylene Chloride	2.745	84	4923	1.96	ug/L	#	69
23) TBA	2.867	59	19291	49.12	ug/L		95
24) Acrylonitrile	2.995	53	14586m	14.36	ug/L		
25) Methyl-t-Butyl Ether	3.038	73	14531	1.86	ug/L		62
26) trans-1,2-Dichloroethene	3.031	96	4207	2.19	ug/L		84
27) 1,1-Diclethane	3.544	63	8977	2.29	ug/L		85
28) Vinyl Acetate	3.635	86	716m	1.71	ug/L		
29) DIPE	3.659	45	19520	3.06	ug/L		87
30) 2-Chloro-1,3-Butadiene	3.665	53	8721	2.58	ug/L		83
31) ETBE	4.196	59	16995	2.51	ug/L		81
32) 2,2-Dichloropropane	4.373	77	7890	2.20	ug/L	#	75
33) cis-1,2-Dichloroethene	4.373	96	5312	2.14	ug/L	#	83
34) 2-Butanone	4.434	43	5936	4.37	ug/L		86
35) Propionitrile	4.525	54	5870m	13.27	ug/L		
36) Bromochloromethane	4.769	130	3399	2.12	ug/L		89
37) Methacrylonitrile	4.775	67	3263m	2.59	ug/L		
38) Tetrahydrofuran	4.879	42	3871	3.99	ug/L		79
39) Chloroform	4.970	83	10023	2.33	ug/L	#	74
40) 1,1,1-Trichloroethane	5.269	97	7065m	1.84	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:16:04 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.336	41	7400m	3.60	ug/L		
44) Carbontetrachloride	5.531	117	6074	2.04	ug/L	#	54
45) 1,1-Dichloropropene	5.549	75	6620	2.09	ug/L		89
47) Benzene	5.878	78	19586	2.07	ug/L		87
48) 1,2-Dichloroethane	5.909	62	6920	1.89	ug/L		85
49) Iso-Butyl Alcohol	5.891	43	9154	65.34	ug/L		77
50) TAME	6.116	73	14934	2.02	ug/L		85
51) n-Heptane	6.360	43	7036	2.94	ug/L		87
52) 1-Butanol	6.854	56	10326	106.02	ug/L		97
53) Trichloroethene	6.823	130	4444	1.81	ug/L	#	73
54) Methylcyclohexane	7.055	55	8906m	3.31	ug/L		
55) 1,2-Diclpropane	7.110	63	5843	2.46	ug/L		85
56) Dibromomethane	7.250	93	3691	2.16	ug/L	#	69
57) 1,4-Dioxane	7.323	88	2302	46.81	ug/L		77
58) Methyl Methacrylate	7.335	69	4479m	1.84	ug/L		
59) Bromodichloromethane	7.476	83	7175	2.05	ug/L		76
60) 2-Nitropropane	7.756	41	4386	5.05	ug/L	#	65
61) 2-Chloroethylvinyl Ether	7.890	63	2286	2.02	ug/L	#	49
62) cis-1,3-Dichloropropene	8.024	75	8603	2.17	ug/L		93
63) 4-Methyl-2-pentanone	8.219	43	8406	3.15	ug/L		84
65) Toluene	8.384	91	21283	2.11	ug/L		83
66) trans-1,3-Dichloropropene	8.658	75	8281	2.13	ug/L		96
67) Ethyl Methacrylate	8.799	69	8092	1.98	ug/L		94
68) 1,1,2-Trichloroethane	8.841	97	4994	2.08	ug/L		84
71) Tetrachloroethene	8.982	164	3462	1.92	ug/L	#	81
72) 2-Hexanone	9.140	43	5663	2.93	ug/L		94
73) 1,3-Dichloropropane	9.024	76	8988	2.26	ug/L		90
74) Dibromochloromethane	9.244	129	4566	1.88	ug/L	#	75
75) N-Butyl Acetate	9.292	43	10794	2.60	ug/L		92
76) 1,2-Dibromoethane	9.335	107	5381	2.21	ug/L	#	81
77) 3-Chlorobenzotrifluoride	9.847	180	7773	2.37	ug/L	#	73
78) Chlorobenzene	9.835	112	14321	2.34	ug/L		90
79) 4-Chlorobenzotrifluoride	9.908	180	5865	2.09	ug/L		75
80) 1,1,1,2-Tetrachloroethane	9.920	131	4641	2.07	ug/L	#	76
81) Ethylbenzene	9.957	106	6650	2.00	ug/L		94
82) (m+p)Xylene	10.067	106	17644	4.35	ug/L		89
83) o-Xylene	10.420	106	7847	1.85	ug/L		98
84) Styrene	10.439	104	11924	1.68	ug/L		99
85) Bromoform	10.591	173	3395	2.09	ug/L	#	67
86) 2-Chlorobenzotrifluoride	10.670	180	5340	1.64	ug/L		83
87) Isopropylbenzene	10.756	105	22020	2.14	ug/L		88
88) Cyclohexanone	10.823	55	23649	51.82	ug/L		87
89) trans-1,4-Dichloro-2-B...	11.066	53	1914	2.45	ug/L	#	50
91) 1,1,2,2-Tetrachloroethane	11.018	83	6696	2.02	ug/L		89
92) Bromobenzene	11.006	156	5010	1.78	ug/L	#	80
93) 1,2,3-Trichloropropane	11.042	110	1765	1.61	ug/L	#	75
94) n-Propylbenzene	11.115	91	25618	2.21	ug/L		95
95) 2-Chlorotoluene	11.176	91	17535	2.29	ug/L		93
96) 3-Chlorotoluene	11.231	91	16422	2.08	ug/L		94
97) 4-Chlorotoluene	11.268	91	17109	2.06	ug/L		95
98) 1,3,5-Trimethylbenzene	11.262	105	17206	2.05	ug/L		94
99) tert-Butylbenzene	11.536	119	14475	2.02	ug/L		85
100) 1,2,4-Trimethylbenzene	11.579	105	17021	1.97	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	6060	2.41	ug/L		82
102) sec-Butylbenzene	11.719	105	21059	2.01	ug/L		97
103) p-Isopropyltoluene	11.841	119	18538	2.17	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:16:04 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

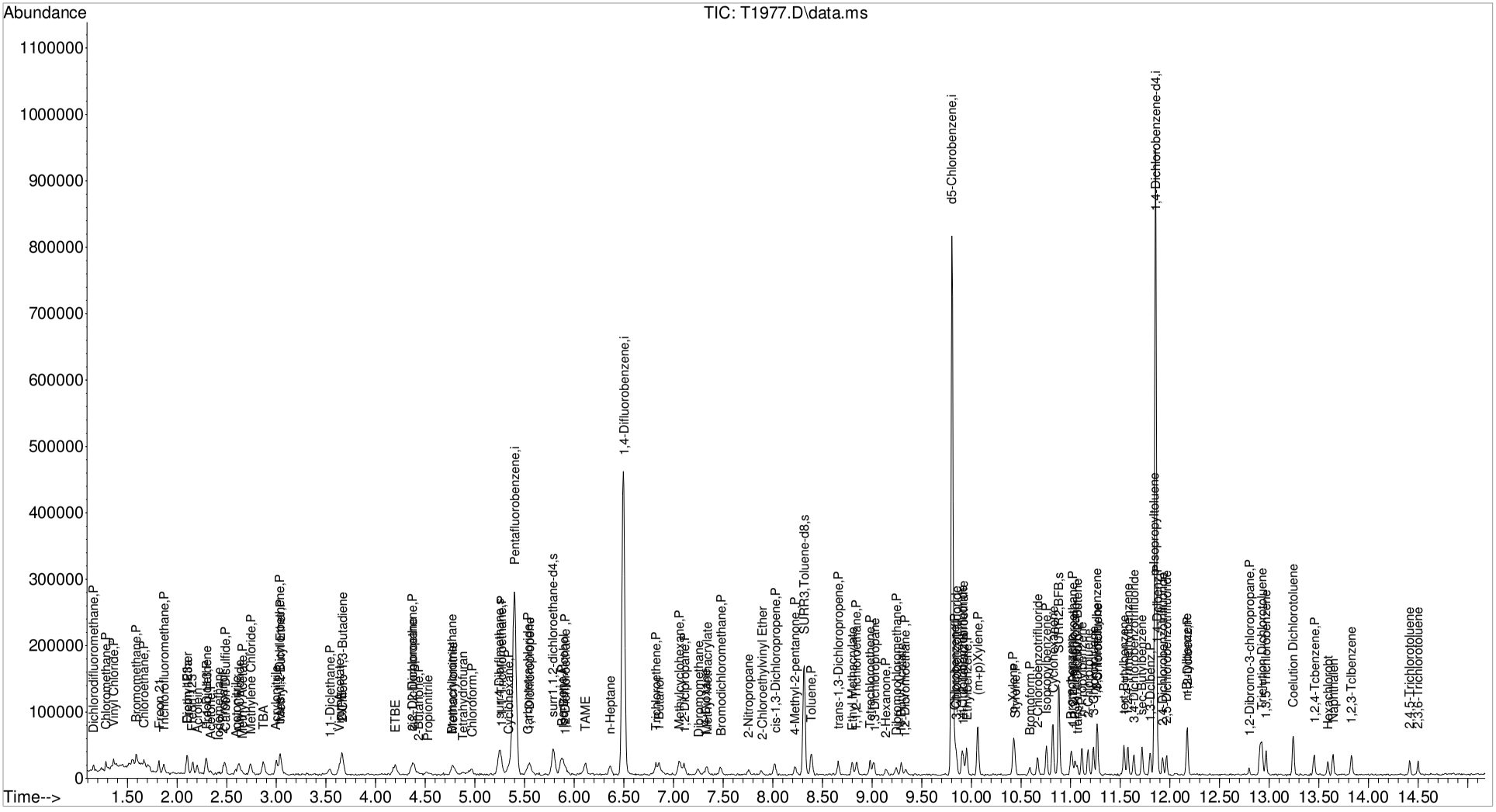
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.798	146	10264	2.07	ug/L		79
105) 1,4-Dclbenz	11.871	146	10468	1.99	ug/L		80
106) 2,4-Dichlorobenzotrifl...	11.926	214	4170	1.88	ug/L		79
107) 2,5-Dichlorobenzotrifl...	11.969	214	5297	2.10	ug/L	#	65
108) n-Butylbenzene	12.170	91	17155	2.21	ug/L		90
109) 1,2-Dclbenz	12.176	146	10007	2.02	ug/L		91
110) 1,2-Dibromo-3-chloropr...	12.798	157	1376	1.68	ug/L		94
111) Trielution Dichlorotol...	12.926	125	24905	5.76	ug/L		90
112) 1,3,5-Trichlorobenzene	12.969	180	6839	1.90	ug/L		88
113) Coelution Dichlorotoluene	13.237	125	17817	3.75	ug/L		90
114) 1,2,4-Tcbenzene	13.456	180	6495	1.91	ug/L		88
115) Hexachlorobt	13.590	225	2866	1.93	ug/L		86
116) Naphthalen	13.645	128	17144	1.87	ug/L		95
117) 1,2,3-Tclbenzene	13.828	180	6607	1.93	ug/L		89
118) 2,4,5-Trichlorotoluene	14.413	159	3715	1.70	ug/L		89
119) 2,3,6-Trichlorotoluene	14.499	159	3324	1.67	ug/L		92

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1977.D
Acq On : 17 Sep 2020 1:31 pm
Operator : F.NAEGLER
Sample : 2 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 15:16:04 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

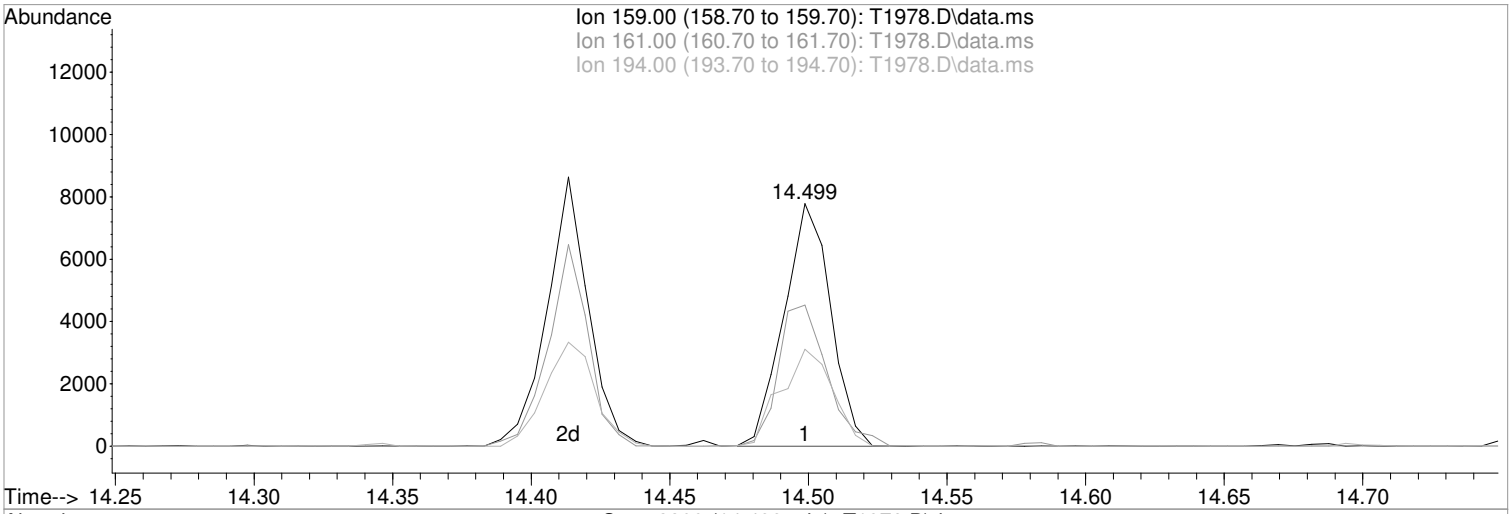


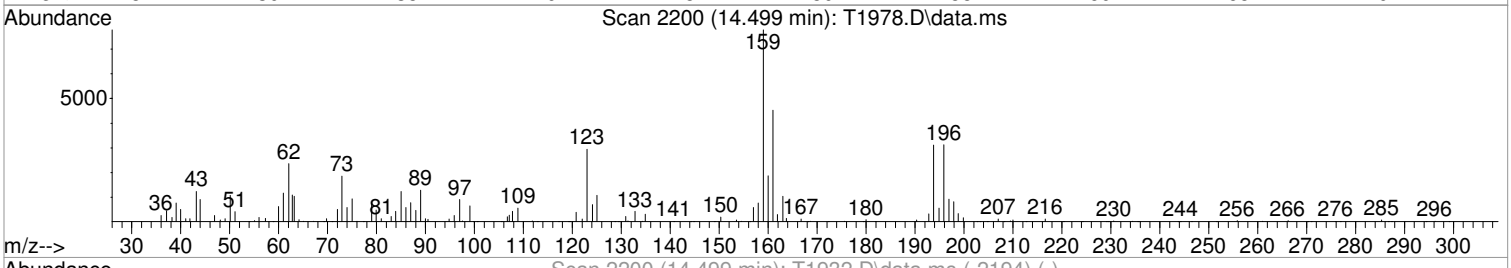
1st FJ 09/18/20
2nd 09/16/20

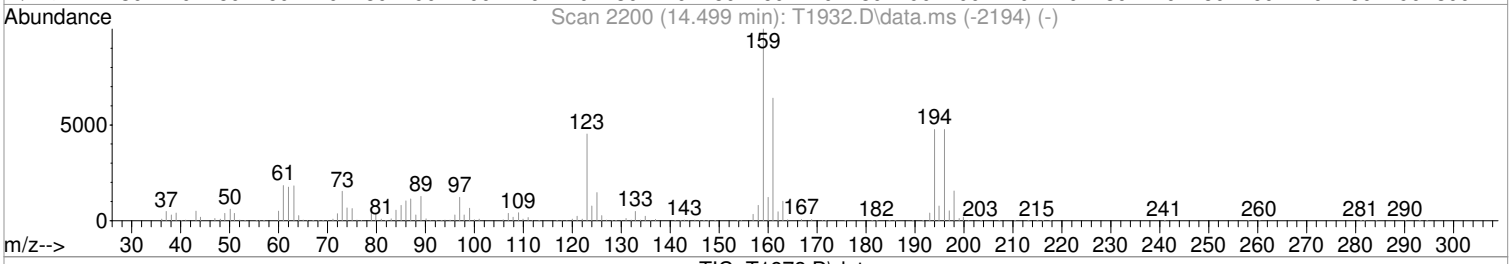
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:16:51 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration







TIC: T1978.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.499min (-0.000) 4.26 ug/L m

response 9140

Ion	Exp%	Act%
159.00	100	100
161.00	63.80	58.13
194.00	47.70	40.02
0.00	0.00	0.00

Manual Integration:

After

Other - deleted on mistake

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:17:59 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	255153	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	386830	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	354807	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	188215	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	26293	10.89	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.78%#				
46) surr1,1,2-dichloroetha...	5.787	65	32007	10.20	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.40%#				
64) SURR3,Toluene-d8	8.317	98	101814	10.70	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 21.40%#				
69) SURR2,BFB	10.877	95	37098	9.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 19.52%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	12650	4.14	ug/L		83
3) Chloromethane	1.282	50	18859	7.14	ug/L		91
4) Vinyl Chloride	1.361	62	15930	6.27	ug/L		96
5) Bromomethane	1.587	94	11755	5.33	ug/L		87
6) Chloroethane	1.666	64	7968	5.78	ug/L		88
7) Freon 21	1.818	67	25195	5.85	ug/L		96
8) Trichlorofluoromethane	1.861	101	19398	5.37	ug/L		98
9) Diethyl Ether	2.099	59	12681	6.07	ug/L	#	83
10) Freon 123a	2.105	67	16604	5.69	ug/L		88
11) Freon 123	2.154	83	16241	4.91	ug/L	#	74
12) Acrolein	2.202	56	19639	35.42	ug/L		97
13) 1,1-Diclethene	2.294	96	9161	5.19	ug/L		95
14) Freon 113	2.294	101	11535	5.56	ug/L		80
15) Acetone	2.336	43	6580	6.89	ug/L		73
16) 2-Propanol	2.471	45	31532	151.13	ug/L		96
17) Iodomethane	2.422	142	10154	3.40	ug/L		77
18) Carbon Disulfide	2.483	76	35604	5.77	ug/L		99
19) Acetonitrile	2.586	41	12902	37.81	ug/L		87
20) Allyl Chloride	2.623	76	7502	5.97	ug/L	#	90
21) Methyl Acetate	2.647	43	17625	8.57	ug/L		78
22) Methylene Chloride	2.739	84	13742	5.41	ug/L		91
23) TBA	2.873	59	45452	114.62	ug/L		96
24) Acrylonitrile	3.001	53	36501	35.60	ug/L		96
25) Methyl-t-Butyl Ether	3.044	73	40272	5.10	ug/L		88
26) trans-1,2-Dichloroethene	3.038	96	10588	5.46	ug/L		97
27) 1,1-Diclethane	3.531	63	23686	5.99	ug/L		95
28) Vinyl Acetate	3.635	86	2945	6.95	ug/L	#	73
29) DIPE	3.665	45	48144	7.47	ug/L		91
30) 2-Chloro-1,3-Butadiene	3.665	53	20847	6.10	ug/L	#	72
31) ETBE	4.196	59	39469	5.78	ug/L	#	73
32) 2,2-Dichloropropane	4.360	77	18741	5.18	ug/L		92
33) cis-1,2-Dichloroethene	4.379	96	13795	5.50	ug/L		89
34) 2-Butanone	4.428	43	10964	7.99	ug/L		97
35) Propionitrile	4.513	54	14402	32.23	ug/L		85
36) Bromochloromethane	4.775	130	9057	5.60	ug/L		89
37) Methacrylonitrile	4.781	67	7455	5.87	ug/L		94
38) Tetrahydrofuran	4.866	42	8291	8.45	ug/L	#	57
39) Chloroform	4.952	83	22735	5.24	ug/L		83
40) 1,1,1-Trichloroethane	5.263	97	18950	4.88	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:17:59 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	13721	6.76	ug/L		81
44) Carbontetrachloride	5.537	117	14450	4.90	ug/L		97
45) 1,1-Dichloropropene	5.543	75	16851	5.39	ug/L		89
47) Benzene	5.878	78	45163	4.82	ug/L		93
48) 1,2-Dichloroethane	5.903	62	17356	4.78	ug/L		91
49) Iso-Butyl Alcohol	5.891	43	19769	142.65	ug/L		91
50) TAME	6.116	73	37695	5.16	ug/L		94
51) n-Heptane	6.360	43	17285	7.30	ug/L	#	72
52) 1-Butanol	6.854	56	31782	329.88	ug/L		97
53) Trichloroethene	6.823	130	12058	4.97	ug/L	#	88
54) Methylcyclohexane	7.061	55	17663	6.63	ug/L	#	70
55) 1,2-Diclpropane	7.110	63	13724	5.85	ug/L		90
56) Dibromomethane	7.244	93	8113	4.80	ug/L		91
57) 1,4-Dioxane	7.311	88	5588	114.88	ug/L		88
58) Methyl Methacrylate	7.329	69	11129	4.62	ug/L		90
59) Bromodichloromethane	7.476	83	17107	4.94	ug/L		92
60) 2-Nitropropane	7.762	41	9907	11.52	ug/L		96
61) 2-Chloroethylvinyl Ether	7.884	63	5773	5.17	ug/L		94
62) cis-1,3-Dichloropropene	8.018	75	20094	5.12	ug/L		88
63) 4-Methyl-2-pentanone	8.219	43	20650	7.82	ug/L		87
65) Toluene	8.390	91	54153	5.43	ug/L		98
66) trans-1,3-Dichloropropene	8.658	75	18782	4.89	ug/L		90
67) Ethyl Methacrylate	8.799	69	19211	4.76	ug/L	#	60
68) 1,1,2-Trichloroethane	8.847	97	13318	5.62	ug/L		87
71) Tetrachloroethene	8.982	164	8820	4.79	ug/L		90
72) 2-Hexanone	9.140	43	13216	6.68	ug/L		86
73) 1,3-Dichloropropane	9.018	76	22061	5.41	ug/L		96
74) Dibromochloromethane	9.238	129	12194	4.91	ug/L		90
75) N-Butyl Acetate	9.292	43	31121	7.30	ug/L		85
76) 1,2-Dibromoethane	9.335	107	12833	5.14	ug/L		93
77) 3-Chlorobenzotrifluoride	9.853	180	17182	5.12	ug/L		90
78) Chlorobenzene	9.829	112	32279	5.14	ug/L		96
79) 4-Chlorobenzotrifluoride	9.908	180	14150	4.93	ug/L		90
80) 1,1,1,2-Tetrachloroethane	9.920	131	11259	4.91	ug/L		89
81) Ethylbenzene	9.951	106	17607	5.17	ug/L	#	78
82) (m+p)Xylene	10.067	106	43093	10.37	ug/L		97
83) o-Xylene	10.420	106	21706	5.00	ug/L		92
84) Styrene	10.439	104	35917	4.93	ug/L		96
85) Bromoform	10.585	173	8113	4.87	ug/L		84
86) 2-Chlorobenzotrifluoride	10.664	180	16401	4.92	ug/L		89
87) Isopropylbenzene	10.756	105	51619	4.89	ug/L		97
88) Cyclohexanone	10.817	55	67195	143.75	ug/L		96
89) trans-1,4-Dichloro-2-B...	11.066	53	4180	5.22	ug/L		81
91) 1,1,2,2-Tetrachloroethane	11.012	83	17992	5.02	ug/L		96
92) Bromobenzene	11.006	156	14489	4.78	ug/L	#	80
93) 1,2,3-Trichloropropane	11.042	110	4423	3.74	ug/L	#	80
94) n-Propylbenzene	11.115	91	63965	5.12	ug/L		91
95) 2-Chlorotoluene	11.176	91	37742	4.56	ug/L		96
96) 3-Chlorotoluene	11.225	91	41509	4.88	ug/L		99
97) 4-Chlorotoluene	11.268	91	47957	5.35	ug/L		94
98) 1,3,5-Trimethylbenzene	11.262	105	45603	5.03	ug/L		96
99) tert-Butylbenzene	11.536	119	35227	4.55	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	43919	4.72	ug/L		94
101) 3,4-Dichlorobenzotrifl...	11.640	214	11350	4.19	ug/L		88
102) sec-Butylbenzene	11.719	105	52990	4.69	ug/L		94
103) p-Isopropyltoluene	11.841	119	41464	4.50	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:17:59 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

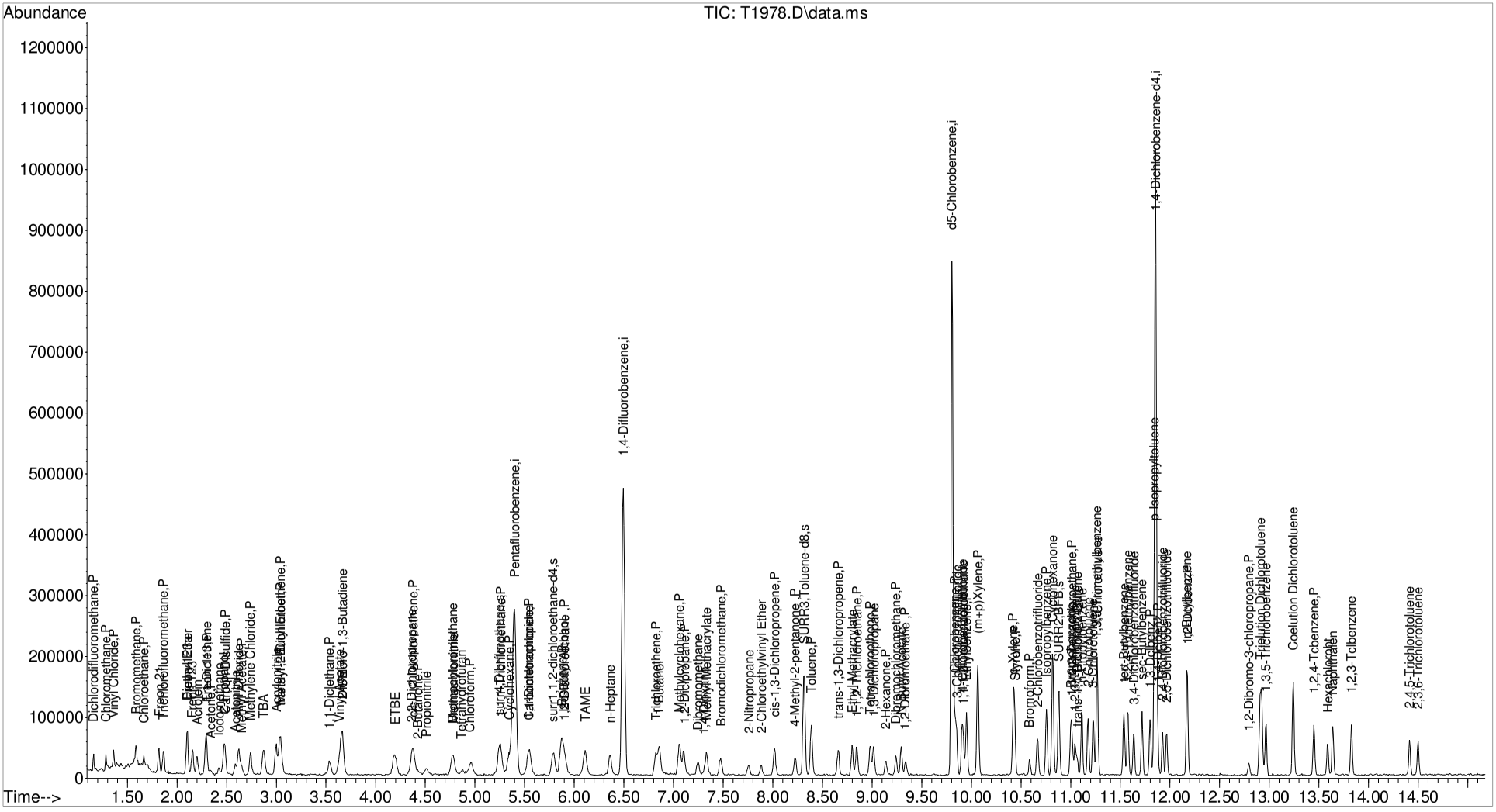
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.798	146	28519	5.33	ug/L		89
105) 1,4-Dclbenz	11.877	146	26132	4.61	ug/L		99
106) 2,4-Dichlorobenzotrifl...	11.926	214	10867	4.54	ug/L		86
107) 2,5-Dichlorobenzotrifl...	11.969	214	12569	4.63	ug/L		94
108) n-Butylbenzene	12.170	91	40336	4.82	ug/L		96
109) 1,2-Dclbenz	12.176	146	26718	5.00	ug/L		93
110) 1,2-Dibromo-3-chloropr...	12.792	157	4303	4.87	ug/L		87
111) Trielution Dichlorotol...	12.914	125	63992	13.73	ug/L		92
112) 1,3,5-Trichlorobenzene	12.969	180	18353	4.73	ug/L		83
113) Coelution Dichlorotoluene	13.243	125	47573	9.29	ug/L		97
114) 1,2,4-Tcbenzene	13.450	180	19198	5.24	ug/L		94
115) Hexachlorobt	13.590	225	7534	4.69	ug/L	#	79
116) Naphthalen	13.639	128	45687	4.61	ug/L		97
117) 1,2,3-Tclbenzene	13.828	180	15958	4.32	ug/L	#	77
118) 2,4,5-Trichlorotoluene	14.413	159	9009	3.82	ug/L		88
119) 2,3,6-Trichlorotoluene	14.499	159	9140m	4.26	ug/L		

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1978.D
Acq On : 17 Sep 2020 1:53 pm
Operator : F.NAEGLER
Sample : 5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 15:17:59 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



1st FJ 09/18/20
2nd 09/16/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1979.D
Acq On : 17 Sep 2020 2:14 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 15:18:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	261622	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	402210	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	365461	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	202008	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	44554	17.74	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 35.48%#				
46) surr1,1,2-dichloroetha...	5.793	65	55627	17.04	ug/L		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 34.08%#				
64) SURR3,Toluene-d8	8.317	98	174765	17.67	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 35.34%#				
69) SURR2,BFB	10.878	95	68525	17.33	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 34.66%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	62978	20.12	ug/L		92
3) Chloromethane	1.282	50	81790	30.19	ug/L		94
4) Vinyl Chloride	1.361	62	74764	28.72	ug/L		97
5) Bromomethane	1.593	94	46668	20.65	ug/L		89
6) Chloroethane	1.666	64	38371	27.14	ug/L		89
7) Freon 21	1.818	67	88313	20.01	ug/L		98
8) Trichlorofluoromethane	1.867	101	76199	20.57	ug/L		98
9) Diethyl Ether	2.099	59	51366	23.97	ug/L	#	79
10) Freon 123a	2.099	67	55760	18.63	ug/L		78
11) Freon 123	2.154	83	60489	17.83	ug/L		92
12) Acrolein	2.202	56	81558	143.48	ug/L		96
13) 1,1-Diclethene	2.288	96	37986	20.97	ug/L	#	77
14) Freon 113	2.294	101	46487	21.87	ug/L		93
15) Acetone	2.337	43	29283	29.90	ug/L		97
16) 2-Propanol	2.465	45	135866	635.10	ug/L		97
17) Iodomethane	2.422	142	70521	23.00	ug/L		91
18) Carbon Disulfide	2.483	76	158732	25.10	ug/L		99
19) Acetonitrile	2.587	41	61281	175.16	ug/L		99
20) Allyl Chloride	2.623	76	28954	22.47	ug/L	#	24
21) Methyl Acetate	2.647	43	68534	32.48	ug/L		86
22) Methylene Chloride	2.739	84	56270	21.59	ug/L	#	80
23) TBA	2.867	59	199912	491.66	ug/L		92
24) Acrylonitrile	2.995	53	157158	149.48	ug/L		97
25) Methyl-t-Butyl Ether	3.044	73	178456	22.03	ug/L		89
26) trans-1,2-Dichloroethene	3.038	96	44098	22.19	ug/L		88
27) 1,1-Diclethane	3.531	63	99659	24.60	ug/L		94
28) Vinyl Acetate	3.629	86	11611	26.72	ug/L	#	17
29) DIPE	3.659	45	184481	27.93	ug/L		91
30) 2-Chloro-1,3-Butadiene	3.659	53	90150	25.71	ug/L		79
31) ETBE	4.190	59	165600	23.65	ug/L		90
32) 2,2-Dichloropropane	4.373	77	76660	20.65	ug/L		97
33) cis-1,2-Dichloroethene	4.379	96	54387	21.15	ug/L		95
34) 2-Butanone	4.422	43	44017	31.28	ug/L		87
35) Propionitrile	4.507	54	65507	142.99	ug/L		88
36) Bromochloromethane	4.775	130	33537	20.22	ug/L		92
37) Methacrylonitrile	4.775	67	31880	24.48	ug/L		99
38) Tetrahydrofuran	4.867	42	28764	28.61	ug/L		88
39) Chloroform	4.958	83	92404	20.79	ug/L		89
40) 1,1,1-Trichloroethane	5.263	97	71723	18.00	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1979.D
Acq On : 17 Sep 2020 2:14 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 15:18:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	45543	21.57	ug/L		86
44) Carbontetrachloride	5.543	117	60751	19.83	ug/L		92
45) 1,1-Dichloropropene	5.555	75	67293	20.69	ug/L		94
47) Benzene	5.872	78	213114	21.90	ug/L		90
48) 1,2-Dichloroethane	5.909	62	74203	19.66	ug/L		96
49) Iso-Butyl Alcohol	5.885	43	90758	629.86	ug/L		96
50) TAME	6.110	73	156807	20.66	ug/L		91
51) n-Heptane	6.360	43	75159	30.54	ug/L		83
52) 1-Butanol	6.848	56	127445	1272.21	ug/L		82
53) Trichloroethene	6.817	130	47732	18.92	ug/L		95
54) Methylcyclohexane	7.061	55	58914	21.28	ug/L		82
55) 1,2-Diclpropane	7.098	63	60465	24.79	ug/L		97
56) Dibromomethane	7.244	93	36855	20.99	ug/L		97
57) 1,4-Dioxane	7.305	88	19240	380.42	ug/L		80
58) Methyl Methacrylate	7.336	69	51753	20.66	ug/L		83
59) Bromodichloromethane	7.476	83	71104	19.74	ug/L		98
60) 2-Nitropropane	7.756	41	38687	43.28	ug/L		88
61) 2-Chloroethylvinyl Ether	7.884	63	25605	22.04	ug/L		82
62) cis-1,3-Dichloropropene	8.018	75	88988	21.82	ug/L		95
63) 4-Methyl-2-pentanone	8.226	43	76067	27.70	ug/L		81
65) Toluene	8.390	91	224107	21.62	ug/L		92
66) trans-1,3-Dichloropropene	8.659	75	81911	20.52	ug/L		95
67) Ethyl Methacrylate	8.799	69	86173	20.55	ug/L		83
68) 1,1,2-Trichloroethane	8.847	97	51857	21.04	ug/L		91
71) Tetrachloroethene	8.976	164	37479	19.75	ug/L		91
72) 2-Hexanone	9.134	43	56255	27.59	ug/L		91
73) 1,3-Dichloropropane	9.012	76	86509	20.60	ug/L		84
74) Dibromochloromethane	9.238	129	55576	21.73	ug/L		94
75) N-Butyl Acetate	9.293	43	130192	29.67	ug/L		92
76) 1,2-Dibromoethane	9.341	107	53168	20.69	ug/L		99
77) 3-Chlorobenzotrifluoride	9.853	180	63566	18.38	ug/L		93
78) Chlorobenzene	9.835	112	137017	21.19	ug/L		95
79) 4-Chlorobenzotrifluoride	9.908	180	54360	18.39	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.920	131	52889	22.39	ug/L		88
81) Ethylbenzene	9.951	106	71201	20.29	ug/L	#	90
82) (m+p)Xylene	10.067	106	185133	43.25	ug/L		97
83) o-Xylene	10.420	106	90004	20.13	ug/L		93
84) Styrene	10.439	104	153812	20.51	ug/L		94
85) Bromoform	10.591	173	41043	23.92	ug/L		87
86) 2-Chlorobenzotrifluoride	10.664	180	62489	18.19	ug/L		98
87) Isopropylbenzene	10.756	105	221911	20.41	ug/L		98
88) Cyclohexanone	10.817	55	274432	569.97	ug/L		95
89) trans-1,4-Dichloro-2-B...	11.067	53	18395	22.31	ug/L		80
91) 1,1,2,2-Tetrachloroethane	11.018	83	77840	20.24	ug/L		94
92) Bromobenzene	11.006	156	58122	17.86	ug/L		93
93) 1,2,3-Trichloropropane	11.048	110	22629	17.81	ug/L		91
94) n-Propylbenzene	11.115	91	280356	20.90	ug/L		98
95) 2-Chlorotoluene	11.176	91	174333	19.64	ug/L		100
96) 3-Chlorotoluene	11.231	91	157552	17.26	ug/L		93
97) 4-Chlorotoluene	11.268	91	191912	19.94	ug/L		98
98) 1,3,5-Trimethylbenzene	11.268	105	191377	19.68	ug/L		97
99) tert-Butylbenzene	11.536	119	160054	19.26	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	196060	19.65	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.640	214	47399	16.29	ug/L		92
102) sec-Butylbenzene	11.719	105	236171	19.47	ug/L		97
103) p-Isopropyltoluene	11.841	119	194834	19.68	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1979.D
Acq On : 17 Sep 2020 2:14 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 15:18:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

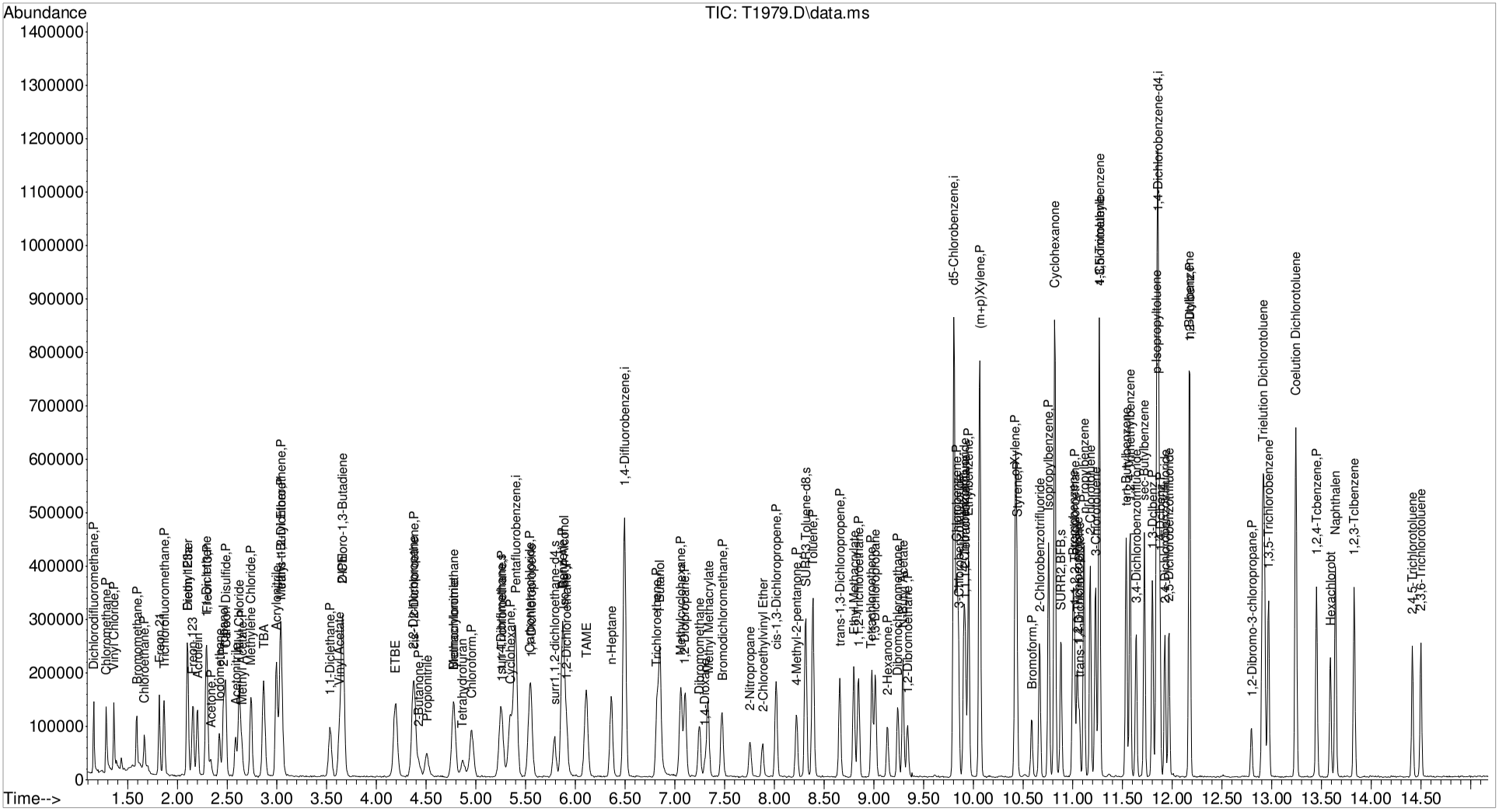
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	112758	19.65	ug/L	98
105) 1,4-Dclbenz	11.877	146	114319	18.79	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	46590	18.14	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	53115	18.23	ug/L	92
108) n-Butylbenzene	12.170	91	177775	19.78	ug/L	94
109) 1,2-Dclbenz	12.176	146	118439	20.67	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.798	157	20248	21.37	ug/L	94
111) Trielution Dichlorotol...	12.914	125	268797	53.74	ug/L	97
112) 1,3,5-Trichlorobenzene	12.969	180	73603	17.69	ug/L	89
113) Coelution Dichlorotoluene	13.243	125	206774	37.64	ug/L	94
114) 1,2,4-Tcbenzene	13.450	180	79608	20.25	ug/L	89
115) Hexachlorobt	13.590	225	30653	17.79	ug/L	97
116) Naphthalen	13.639	128	224979	21.16	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	76266	19.25	ug/L	90
118) 2,4,5-Trichlorotoluene	14.413	159	46114	18.22	ug/L	96
119) 2,3,6-Trichlorotoluene	14.499	159	42539	18.46	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1979.D
Acq On : 17 Sep 2020 2:14 pm
Operator : F.NAEGLER
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 15:18:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration



1st FJ 09/18/20
2nd 09/19/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1980.D
Acq On : 17 Sep 2020 2:36 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 15:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	284959	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	444744	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	408616	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	238647	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	132554	47.74	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 95.48%				
46) surr1,1,2-dichloroetha...	5.787	65	158785	44.00	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 88.00%				
64) SURR3,Toluene-d8	8.311	98	525044	48.00	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.00%				
69) SURR2,BFB	10.878	95	211321	48.34	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	166815	48.93	ug/L		96
3) Chloromethane	1.282	50	209292	70.92	ug/L		96
4) Vinyl Chloride	1.361	62	186304	65.70	ug/L		98
5) Bromomethane	1.587	94	113913	46.27	ug/L		99
6) Chloroethane	1.666	64	88501	57.47	ug/L		92
7) Freon 21	1.818	67	242789	50.51	ug/L		99
8) Trichlorofluoromethane	1.861	101	205892	51.03	ug/L		98
9) Diethyl Ether	2.099	59	127167	54.47	ug/L	#	85
10) Freon 123a	2.105	67	147655	45.30	ug/L		89
11) Freon 123	2.154	83	167207	45.25	ug/L		96
12) Acrolein	2.203	56	200321	323.54	ug/L		97
13) 1,1-Diclethene	2.288	96	98753	50.06	ug/L	#	76
14) Freon 113	2.294	101	122605	52.96	ug/L		93
15) Acetone	2.331	43	66567	62.41	ug/L		95
16) 2-Propanol	2.465	45	317016	1360.52	ug/L		99
17) Iodomethane	2.422	142	199374	59.69	ug/L		94
18) Carbon Disulfide	2.483	76	412882	59.95	ug/L		99
19) Acetonitrile	2.587	41	139734	366.70	ug/L		98
20) Allyl Chloride	2.623	76	75257	53.63	ug/L	#	66
21) Methyl Acetate	2.648	43	161625	70.33	ug/L		87
22) Methylene Chloride	2.739	84	142676	50.26	ug/L	#	75
23) TBA	2.867	59	466032	1052.28	ug/L		95
24) Acrylonitrile	2.995	53	373586	326.24	ug/L		92
25) Methyl-t-Butyl Ether	3.044	73	438189	49.66	ug/L		91
26) trans-1,2-Dichloroethene	3.038	96	117574	54.31	ug/L	#	85
27) 1,1-Diclethane	3.538	63	252256	57.17	ug/L		95
28) Vinyl Acetate	3.629	86	24557	51.88	ug/L	#	1
29) DIPE	3.660	45	460765	64.04	ug/L		92
30) 2-Chloro-1,3-Butadiene	3.660	53	225863	59.14	ug/L		87
31) ETBE	4.196	59	427838	56.11	ug/L		92
32) 2,2-Dichloropropane	4.367	77	195143	48.26	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	146101	52.17	ug/L		96
34) 2-Butanone	4.422	43	97722	63.77	ug/L		83
35) Propionitrile	4.501	54	152514	305.65	ug/L		94
36) Bromochloromethane	4.781	130	92068	50.95	ug/L		93
37) Methacrylonitrile	4.781	67	72936	51.43	ug/L	#	51
38) Tetrahydrofuran	4.861	42	69731	63.67	ug/L		88
39) Chloroform	4.952	83	234234	48.37	ug/L		92
40) 1,1,1-Trichloroethane	5.251	97	203361	46.85	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1980.D
Acq On : 17 Sep 2020 2:36 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 15:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	129555	55.48	ug/L		84
44) Carbontetrachloride	5.537	117	173448	51.19	ug/L		98
45) 1,1-Dichloropropene	5.549	75	178209	49.56	ug/L		97
47) Benzene	5.873	78	551244	51.22	ug/L		94
48) 1,2-Dichloroethane	5.909	62	188988	45.29	ug/L		93
49) Iso-Butyl Alcohol	5.885	43	216550	1359.13	ug/L		92
50) TAME	6.110	73	396186	47.20	ug/L		90
51) n-Heptane	6.360	43	196435	72.18	ug/L	#	84
52) 1-Butanol	6.854	56	324181	2926.63	ug/L		86
53) Trichloroethene	6.817	130	137970	49.45	ug/L		89
54) Methylcyclohexane	7.061	55	157887	51.57	ug/L	#	82
55) 1,2-Diclpropane	7.104	63	149676	55.49	ug/L		99
56) Dibromomethane	7.244	93	96797	49.86	ug/L		93
57) 1,4-Dioxane	7.299	88	51566	922.08	ug/L		90
58) Methyl Methacrylate	7.336	69	120512	43.51	ug/L		86
59) Bromodichloromethane	7.470	83	185834	46.66	ug/L		98
60) 2-Nitropropane	7.756	41	97752	98.89	ug/L		92
61) 2-Chloroethylvinyl Ether	7.878	63	64752	50.41	ug/L		81
62) cis-1,3-Dichloropropene	8.018	75	227280	50.40	ug/L		98
63) 4-Methyl-2-pentanone	8.226	43	188923	62.21	ug/L		90
65) Toluene	8.390	91	586035	51.13	ug/L		97
66) trans-1,3-Dichloropropene	8.659	75	206583	46.81	ug/L		97
67) Ethyl Methacrylate	8.799	69	220746	47.61	ug/L		77
68) 1,1,2-Trichloroethane	8.848	97	134022	49.18	ug/L		99
71) Tetrachloroethene	8.982	164	105485	49.71	ug/L		95
72) 2-Hexanone	9.134	43	141030	61.86	ug/L		81
73) 1,3-Dichloropropane	9.018	76	219895	46.83	ug/L		88
74) Dibromochloromethane	9.244	129	155383	54.34	ug/L		96
75) N-Butyl Acetate	9.293	43	313687	63.93	ug/L		91
76) 1,2-Dibromoethane	9.335	107	146471	50.97	ug/L		93
77) 3-Chlorobenzotrifluoride	9.853	180	183354	47.42	ug/L		97
78) Chlorobenzene	9.835	112	369162	51.07	ug/L		92
79) 4-Chlorobenzotrifluoride	9.908	180	162871	49.28	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.921	131	138623	52.48	ug/L		95
81) Ethylbenzene	9.951	106	203396	51.84	ug/L		94
82) (m+p)Xylene	10.067	106	502921	105.09	ug/L		98
83) o-Xylene	10.420	106	249496	49.91	ug/L		96
84) Styrene	10.439	104	425863	50.80	ug/L		95
85) Bromoform	10.585	173	107115	55.84	ug/L		97
86) 2-Chlorobenzotrifluoride	10.664	180	189585	49.35	ug/L		96
87) Isopropylbenzene	10.756	105	641720	52.78	ug/L		97
88) Cyclohexanone	10.817	55	653150	1213.27	ug/L		97
89) trans-1,4-Dichloro-2-B...	11.067	53	43509	47.20	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.018	83	204725	45.07	ug/L		95
92) Bromobenzene	11.006	156	178448	46.43	ug/L	#	81
93) 1,2,3-Trichloropropane	11.042	110	59524	39.65	ug/L		97
94) n-Propylbenzene	11.115	91	764605	48.25	ug/L		98
95) 2-Chlorotoluene	11.176	91	471547	44.97	ug/L		95
96) 3-Chlorotoluene	11.231	91	458483	42.53	ug/L		93
97) 4-Chlorotoluene	11.268	91	524848	46.17	ug/L		99
98) 1,3,5-Trimethylbenzene	11.268	105	550279	47.90	ug/L		97
99) tert-Butylbenzene	11.536	119	469492	47.81	ug/L		99
100) 1,2,4-Trimethylbenzene	11.579	105	565556	47.97	ug/L		100
101) 3,4-Dichlorobenzotrifl...	11.640	214	162081	47.15	ug/L		93
102) sec-Butylbenzene	11.719	105	707385	49.36	ug/L		99
103) p-Isopropyltoluene	11.841	119	589113	50.38	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1980.D
Acq On : 17 Sep 2020 2:36 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 15:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

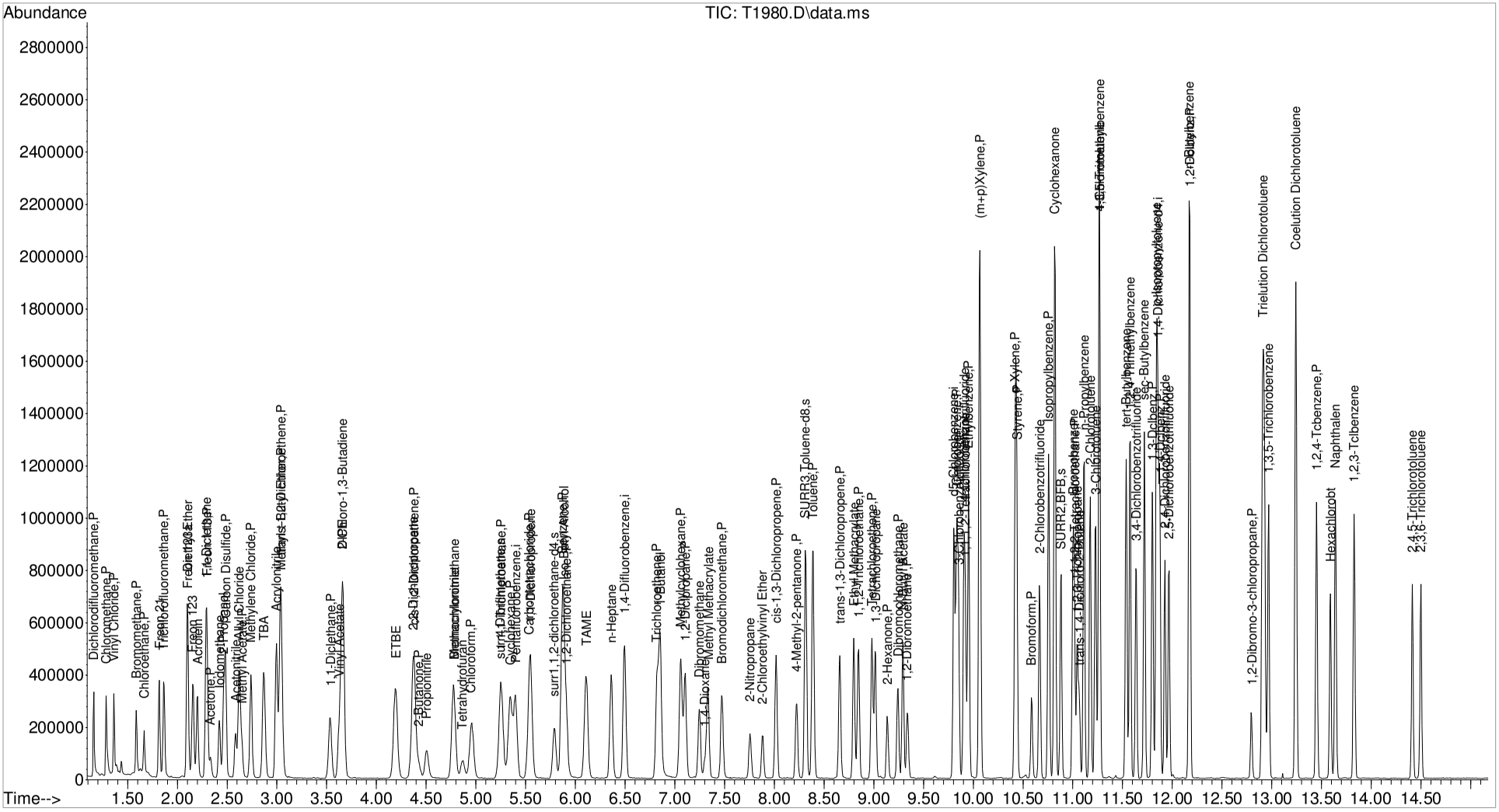
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	342128	50.48	ug/L	97
105) 1,4-Dclbenz	11.877	146	351987	48.98	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	148185	48.84	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.969	214	162024	47.07	ug/L	98
108) n-Butylbenzene	12.170	91	523722	49.34	ug/L	97
109) 1,2-Dclbenz	12.176	146	342807	50.64	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	54088	48.31	ug/L	92
111) Trielution Dichlorotol...	12.914	125	818278	138.49	ug/L	95
112) 1,3,5-Trichlorobenzene	12.969	180	233110	47.41	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	600938	92.59	ug/L	96
114) 1,2,4-Tcbenzene	13.450	180	244735	52.70	ug/L	97
115) Hexachlorobt	13.591	225	100619	49.43	ug/L	96
116) Naphthalen	13.639	128	634415	50.51	ug/L	97
117) 1,2,3-Tclbenzene	13.828	180	236631	50.56	ug/L	95
118) 2,4,5-Trichlorotoluene	14.414	159	147655	49.39	ug/L	98
119) 2,3,6-Trichlorotoluene	14.499	159	138823	51.00	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1980.D
Acq On : 17 Sep 2020 2:36 pm
Operator : F.NAEGLER
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 15:19:38 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:06:18 2020
Response via : Initial Calibration

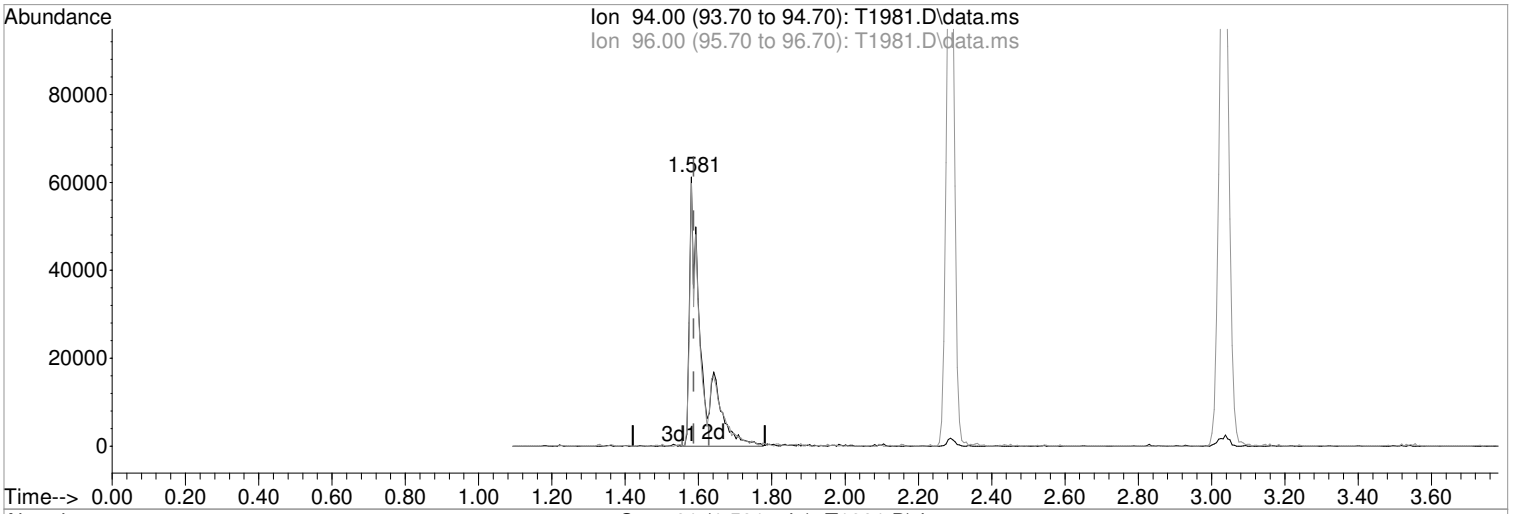


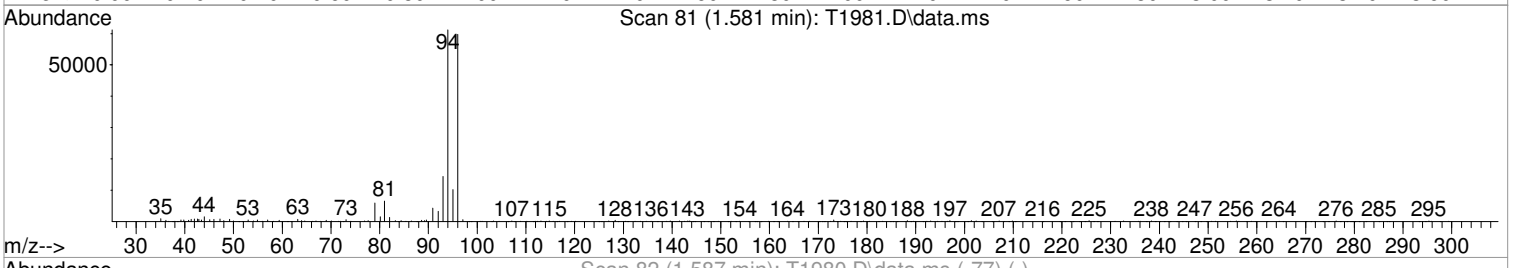
1st FJ 09/18/20
2nd 09/19/20

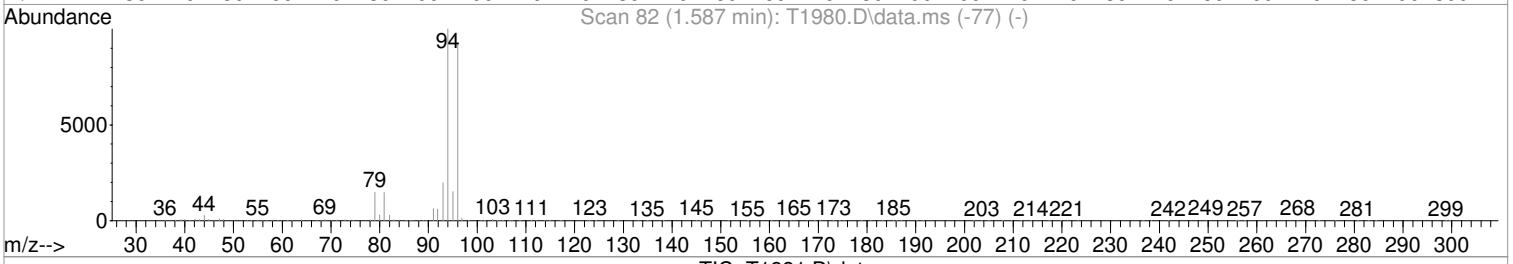
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:22:08 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration







TIC: T1981.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 37.93 ug/L m

response 139949

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	97.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

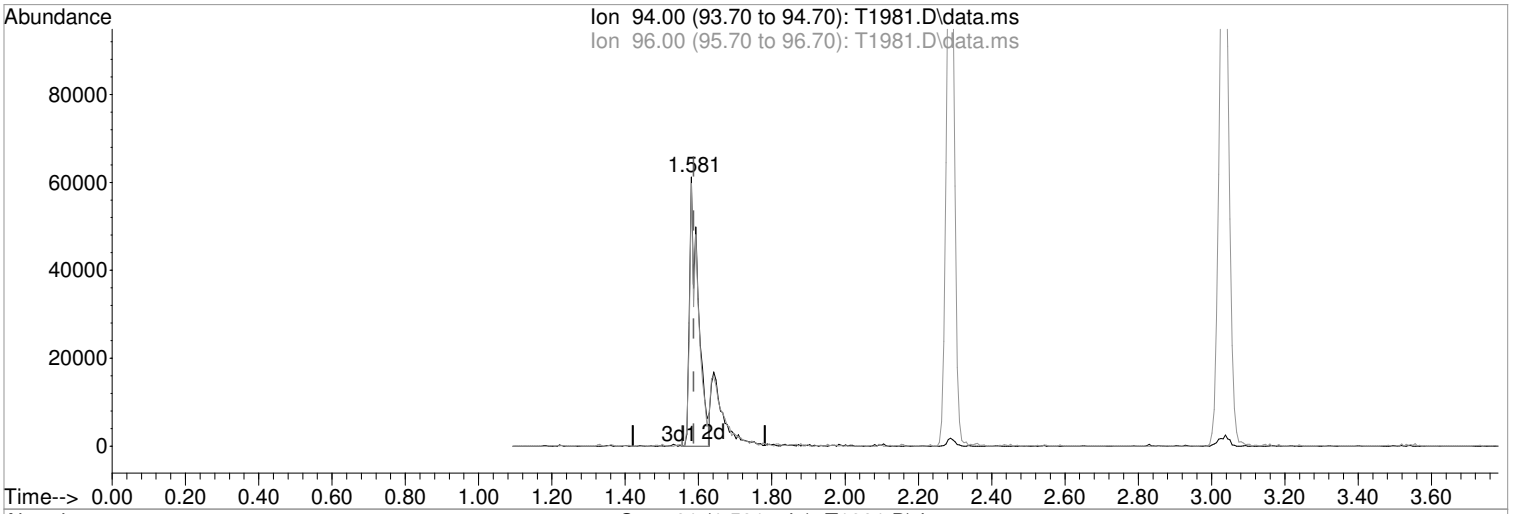
Poor integration.

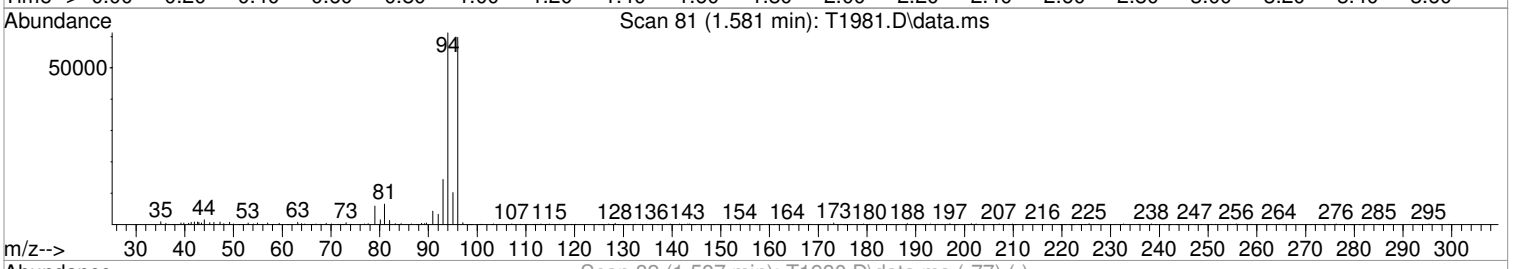
09/17/20

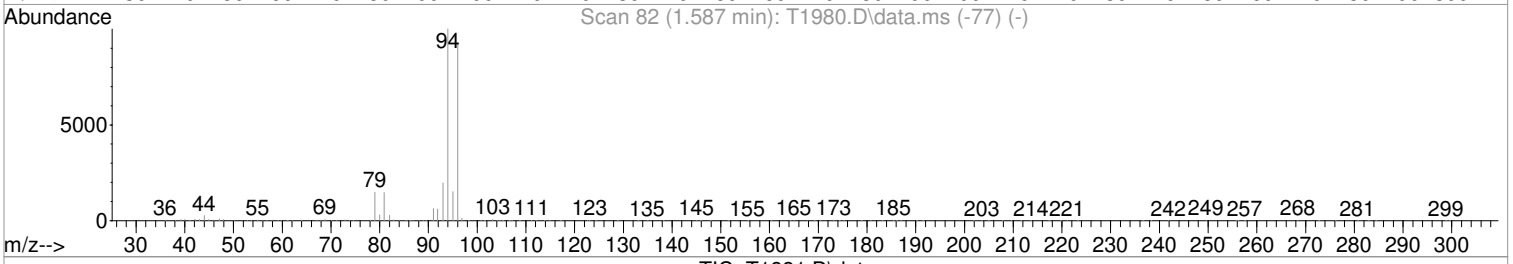
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:22:08 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration







TIC: T1981.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 27.37 ug/L

response 100993

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	97.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/17/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:24:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	315859	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	483135	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	448792	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	269669	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	295142	100.16	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 200.32%#				
46) surr1,1,2-dichloroetha...	5.787	65	337795	93.93	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 187.86%#				
64) SURR3,Toluene-d8	8.317	98	1115285	96.65	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 193.30%#				
69) SURR2,BFB	10.884	95	447565	100.65	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 201.30%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	317601	96.06	ug/L		96
3) Chloromethane	1.282	50	398927	80.50	ug/L		97
4) Vinyl Chloride	1.361	62	345577	84.17	ug/L		97
5) Bromomethane	1.581	94	139949m	37.93	ug/L		
6) Chloroethane	1.660	64	273256	122.20	ug/L		97
7) Freon 21	1.812	67	568637	93.02	ug/L		98
8) Trichlorofluoromethane	1.861	101	387959	82.78	ug/L		99
9) Diethyl Ether	2.099	59	269162	83.15	ug/L		88
10) Freon 123a	2.099	67	359393	88.06	ug/L		99
11) Freon 123	2.154	83	403862	95.25	ug/L		97
12) Acrolein	2.196	56	414307	418.78	ug/L		99
13) 1,1-Diclethene	2.288	96	200269	84.79	ug/L		94
14) Freon 113	2.294	101	227463	77.98	ug/L		98
15) Acetone	2.337	43	138920	85.53	ug/L		89
16) 2-Propanol	2.471	45	698799	1787.20	ug/L		97
17) Iodomethane	2.422	142	468107	144.61	ug/L		97
18) Carbon Disulfide	2.483	76	868717	95.93	ug/L		100
19) Acetonitrile	2.586	41	299484	405.24	ug/L		99
20) Allyl Chloride	2.617	76	143761	76.41	ug/L		92
21) Methyl Acetate	2.647	43	347546	78.81	ug/L		98
22) Methylene Chloride	2.739	84	295480	81.75	ug/L		90
23) TBA	2.873	59	1054086	1844.85	ug/L		99
24) Acrylonitrile	2.995	53	792223	461.46	ug/L		97
25) Methyl-t-Butyl Ether	3.044	73	904065	89.65	ug/L		97
26) trans-1,2-Dichloroethene	3.031	96	235342	85.49	ug/L		97
27) 1,1-Diclethane	3.531	63	491875	85.88	ug/L		99
28) Vinyl Acetate	3.629	86	52325	84.49	ug/L	#	89
29) DIPE	3.659	45	959096	81.60	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.659	53	463098	82.48	ug/L		97
31) ETBE	4.190	59	871191	89.96	ug/L		97
32) 2,2-Dichloropropane	4.373	77	367900	78.98	ug/L		98
33) cis-1,2-Dichloroethene	4.379	96	297398	90.02	ug/L		91
34) 2-Butanone	4.421	43	208944	83.16	ug/L		93
35) Propionitrile	4.507	54	321818	437.44	ug/L		97
36) Bromochloromethane	4.775	130	197915	92.82	ug/L	#	79
37) Methacrylonitrile	4.775	67	160835	78.00	ug/L	#	82
38) Tetrahydrofuran	4.860	42	141673	73.08	ug/L		93
39) Chloroform	4.958	83	472321	84.02	ug/L		91
40) 1,1,1-Trichloroethane	5.251	97	384691	81.92	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:24:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.348	41	304409	86.40	ug/L		93
44) Carbontetrachloride	5.543	117	323652	93.34	ug/L		94
45) 1,1-Dichloropropene	5.549	75	331121	82.36	ug/L		91
47) Benzene	5.866	78	1063267	87.07	ug/L		98
48) 1,2-Dichloroethane	5.909	62	377447	85.16	ug/L		99
49) Iso-Butyl Alcohol	5.891	43	482870	1861.80	ug/L		89
50) TAME	6.110	73	844556	91.76	ug/L		96
51) n-Heptane	6.360	43	295639	66.70	ug/L		98
52) 1-Butanol	6.854	56	698846	4910.07	ug/L		99
53) Trichloroethene	6.817	130	277938	96.86	ug/L		97
54) Methylcyclohexane	7.061	55	382384	88.32	ug/L		96
55) 1,2-Diclpropane	7.104	63	291145	80.74	ug/L		100
56) Dibromomethane	7.244	93	203924	87.92	ug/L		92
57) 1,4-Dioxane	7.305	88	110886	1922.25	ug/L		99
58) Methyl Methacrylate	7.336	69	255479	79.49	ug/L		94
59) Bromodichloromethane	7.470	83	383792	88.63	ug/L		96
60) 2-Nitropropane	7.756	41	210690	148.86	ug/L		92
61) 2-Chloroethylvinyl Ether	7.884	63	152206	100.45	ug/L		94
62) cis-1,3-Dichloropropene	8.018	75	460608	93.18	ug/L		97
63) 4-Methyl-2-pentanone	8.226	43	415964	87.46	ug/L		98
65) Toluene	8.390	91	1110756	84.62	ug/L		98
66) trans-1,3-Dichloropropene	8.658	75	440245	93.33	ug/L		96
67) Ethyl Methacrylate	8.799	69	461048	88.07	ug/L		99
68) 1,1,2-Trichloroethane	8.847	97	284651	92.58	ug/L		95
71) Tetrachloroethene	8.982	164	209197	88.13	ug/L		98
72) 2-Hexanone	9.134	43	299121	88.21	ug/L		87
73) 1,3-Dichloropropane	9.012	76	457008	87.86	ug/L		95
74) Dibromochloromethane	9.244	129	329043	103.52	ug/L		95
75) N-Butyl Acetate	9.292	43	663214	89.14	ug/L		97
76) 1,2-Dibromoethane	9.341	107	310446	92.35	ug/L		96
77) 3-Chlorobenzotrifluoride	9.853	180	433118	105.24	ug/L		97
78) Chlorobenzene	9.835	112	748895	89.98	ug/L		98
79) 4-Chlorobenzotrifluoride	9.908	180	382133	111.31	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.920	131	287131	99.72	ug/L		94
81) Ethylbenzene	9.951	106	371783	86.77	ug/L		99
82) (m+p)Xylene	10.067	106	911596	176.34	ug/L		99
83) o-Xylene	10.420	106	473575	88.37	ug/L		96
84) Styrene	10.439	104	831720	95.22	ug/L		98
85) Bromoform	10.585	173	265720	111.91	ug/L		100
86) 2-Chlorobenzotrifluoride	10.670	180	449092	119.00	ug/L		97
87) Isopropylbenzene	10.756	105	1134354	88.53	ug/L		99
88) Cyclohexanone	10.823	55	1367406	1752.47	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.067	53	99856	83.04	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.018	83	438591	85.09	ug/L		95
92) Bromobenzene	11.006	156	383192	90.47	ug/L		96
93) 1,2,3-Trichloropropane	11.048	110	127287	91.92	ug/L	#	88
94) n-Propylbenzene	11.115	91	1351969	75.11	ug/L		99
95) 2-Chlorotoluene	11.176	91	875047	74.91	ug/L		98
96) 3-Chlorotoluene	11.231	91	963410	80.27	ug/L		97
97) 4-Chlorotoluene	11.268	91	979094	75.20	ug/L		96
98) 1,3,5-Trimethylbenzene	11.268	105	981471	79.26	ug/L		99
99) tert-Butylbenzene	11.536	119	819946	76.59	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	1034135	84.76	ug/L		96
101) 3,4-Dichlorobenzotrifl...	11.640	214	403264	103.27	ug/L		96
102) sec-Butylbenzene	11.719	105	1194606	76.80	ug/L		99
103) p-Isopropyltoluene	11.841	119	1048391	83.39	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:24:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration

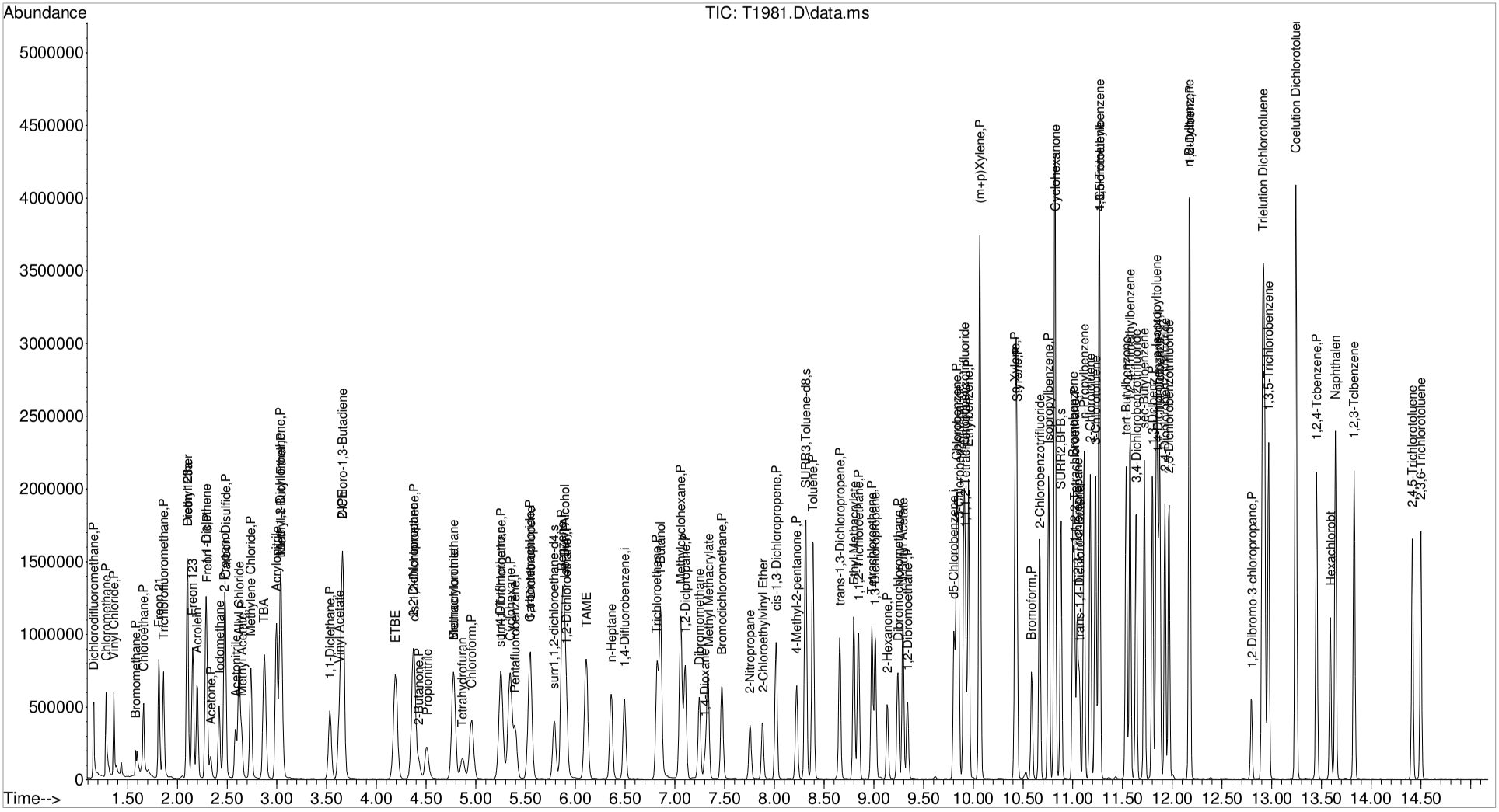
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	692620	90.70	ug/L	99
105) 1,4-Dclbenz	11.871	146	706064	85.72	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	372199	115.94	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.969	214	409559	105.65	ug/L	98
108) n-Butylbenzene	12.170	91	888782	73.43	ug/L	99
109) 1,2-Dclbenz	12.176	146	706110	93.62	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	123492	99.59	ug/L	99
111) Trielution Dichlorotol...	12.914	125	1781203	292.10	ug/L	98
112) 1,3,5-Trichlorobenzene	12.969	180	547473	104.84	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	1289010	187.82	ug/L	99
114) 1,2,4-Tcbenzene	13.450	180	503542	97.51	ug/L	96
115) Hexachlorobt	13.590	225	167234	72.41	ug/L	93
116) Naphthalen	13.639	128	1396276	109.76	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	509850	107.07	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	351003	133.63	ug/L	99
119) 2,3,6-Trichlorotoluene	14.499	159	310919	123.52	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1981.D
Acq On : 17 Sep 2020 2:58 pm
Operator : F.NAEGLER
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 15:24:20 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:21:25 2020
Response via : Initial Calibration

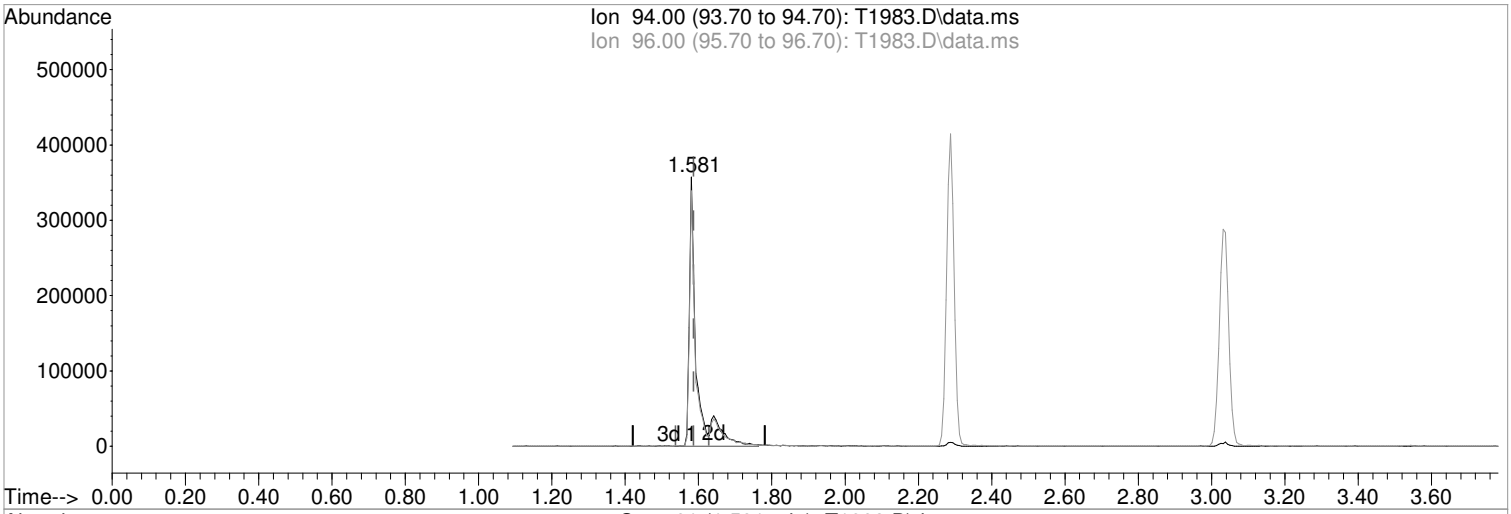


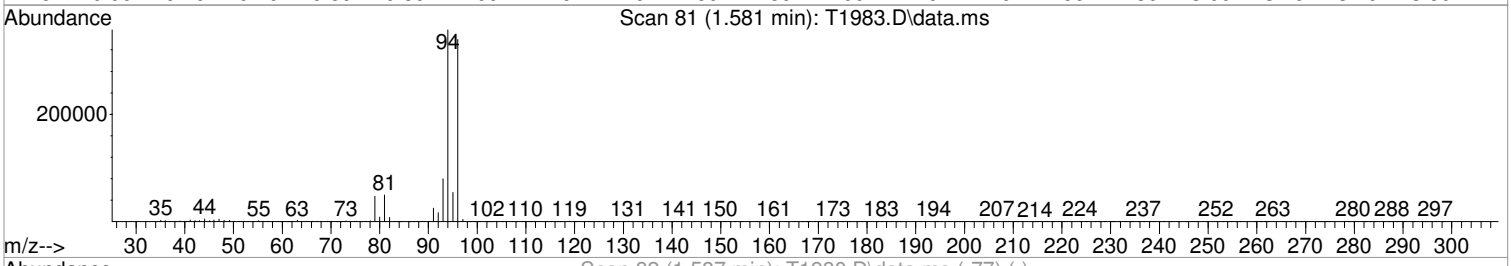
1st FJ 09/18/20
2nd 09/19/20

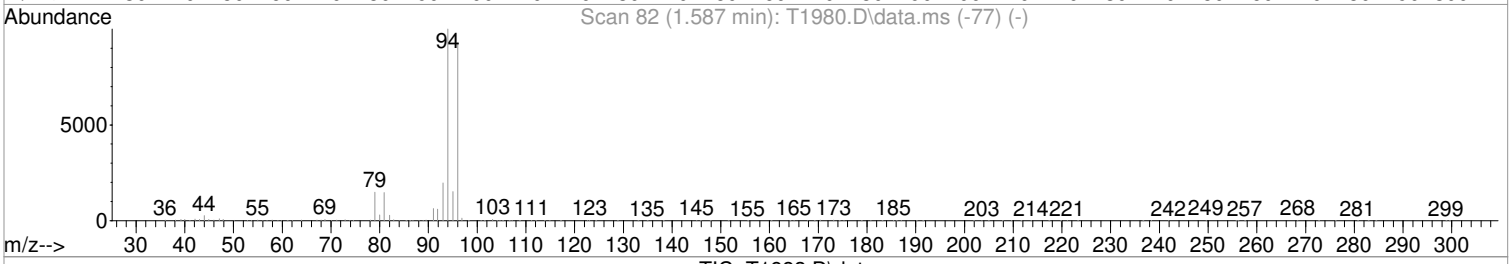
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 15:57:14 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration







TIC: T1983.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 148.17 ug/L m

response 493956

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	94.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

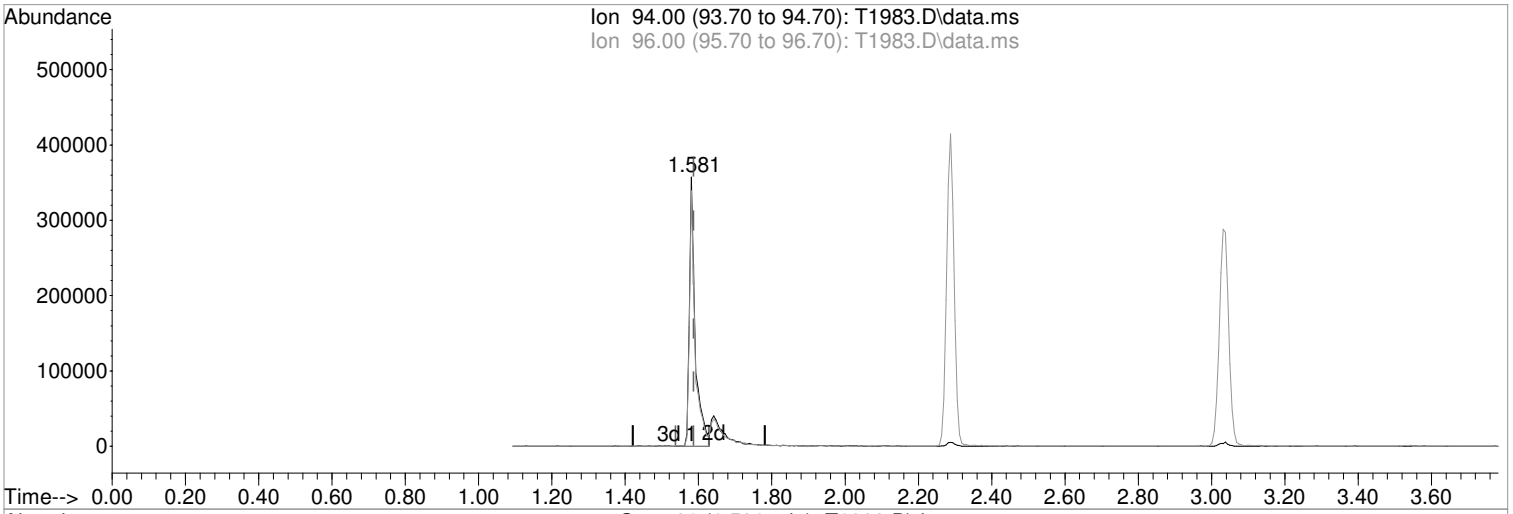
Poor integration.

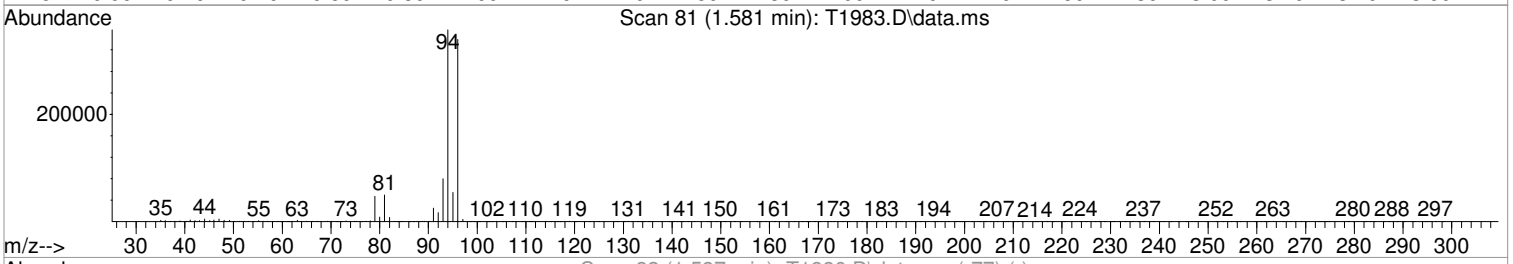
09/18/20

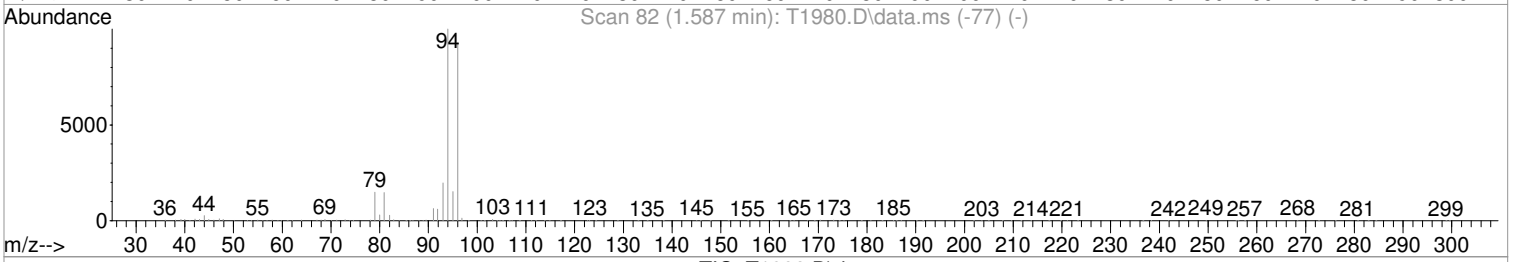
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 15:57:14 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration







TIC: T1983.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 118.72 ug/L

response 395773

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	94.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 09:37:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	347018	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	503149	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	468417	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	282604	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	161827	52.93	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 105.86%				
46) surr1,1,2-dichloroetha...	5.787	65	174560	48.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.32%				
64) SURR3,Toluene-d8	8.317	98	601161	51.21	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.42%				
69) SURR2,BFB	10.884	95	238013	51.33	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.66%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	784189	223.74	ug/L		96
3) Chloromethane	1.282	50	851041	169.70	ug/L		99
4) Vinyl Chloride	1.361	62	763175	181.77	ug/L		98
5) Bromomethane	1.581	94	493956m	148.17	ug/L		
6) Chloroethane	1.660	64	591479	240.23	ug/L		95
7) Freon 21	1.812	67	1413840	215.74	ug/L		96
8) Trichlorofluoromethane	1.861	101	1157099	234.99	ug/L		97
9) Diethyl Ether	2.099	59	709472	209.88	ug/L		91
10) Freon 123a	2.099	67	874660	202.39	ug/L		89
11) Freon 123	2.154	83	1017896	222.54	ug/L		98
12) Acrolein	2.202	56	1148225	1101.69	ug/L		99
13) 1,1-Diclethene	2.288	96	592857	238.63	ug/L	#	87
14) Freon 113	2.294	101	713761	234.63	ug/L		91
15) Acetone	2.337	43	379104	225.86	ug/L		94
16) 2-Propanol	2.477	45	1553791	3713.49	ug/L		100
17) Iodomethane	2.416	142	1126718	281.17	ug/L		94
18) Carbon Disulfide	2.483	76	1684327	173.88	ug/L		100
19) Acetonitrile	2.587	41	675072	875.62	ug/L		94
20) Allyl Chloride	2.623	76	321904	166.28	ug/L		95
21) Methyl Acetate	2.648	43	727617	161.96	ug/L		98
22) Methylene Chloride	2.739	84	634449	168.67	ug/L		89
23) TBA	2.879	59	2252108	3663.23	ug/L		99
24) Acrylonitrile	2.995	53	1688871	911.89	ug/L		96
25) Methyl-t-Butyl Ether	3.044	73	1887727	175.61	ug/L		99
26) trans-1,2-Dichloroethene	3.032	96	515883	178.03	ug/L		95
27) 1,1-Diclethane	3.531	63	1053120	174.26	ug/L		96
28) Vinyl Acetate	3.629	86	119566	180.84	ug/L	#	85
29) DIPE	3.660	45	1946313	158.23	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.660	53	868290	149.04	ug/L		97
31) ETBE	4.190	59	1791020	173.62	ug/L		98
32) 2,2-Dichloropropane	4.367	77	835215	172.04	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	614189	175.53	ug/L		91
34) 2-Butanone	4.422	43	451044	174.69	ug/L		89
35) Propionitrile	4.513	54	688844	878.33	ug/L		96
36) Bromochloromethane	4.775	130	436540	190.24	ug/L		94
37) Methacrylonitrile	4.781	67	340273	160.71	ug/L		90
38) Tetrahydrofuran	4.860	42	303020	155.82	ug/L		99
39) Chloroform	4.952	83	992441	169.04	ug/L		96
40) 1,1,1-Trichloroethane	5.257	97	873562	178.15	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 09:37:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	582997	165.43	ug/L		96
44) Carbontetrachloride	5.537	117	786167	220.06	ug/L		97
45) 1,1-Dichloropropene	5.549	75	735695	183.57	ug/L		95
47) Benzene	5.866	78	2213991	181.07	ug/L		98
48) 1,2-Dichloroethane	5.909	62	770395	173.27	ug/L		97
49) Iso-Butyl Alcohol	5.891	43	1023315	3820.81	ug/L		89
50) TAME	6.110	73	1704619	182.24	ug/L		95
51) n-Heptane	6.360	43	791787	184.43	ug/L		98
52) 1-Butanol	6.860	56	1490260	9984.05	ug/L		98
53) Trichloroethene	6.817	130	626740	212.43	ug/L		93
54) Methylcyclohexane	7.055	55	726931	167.26	ug/L		95
55) 1,2-Diclpropane	7.104	63	604193	169.10	ug/L		99
56) Dibromomethane	7.244	93	421155	180.44	ug/L		96
57) 1,4-Dioxane	7.305	88	247590	4104.11	ug/L		99
58) Methyl Methacrylate	7.336	69	536471	168.63	ug/L		90
59) Bromodichloromethane	7.476	83	803543	184.14	ug/L		94
60) 2-Nitropropane	7.756	41	467920	339.77	ug/L		97
61) 2-Chloroethylvinyl Ether	7.878	63	330762	207.52	ug/L		94
62) cis-1,3-Dichloropropene	8.018	75	946267	187.24	ug/L		96
63) 4-Methyl-2-pentanone	8.226	43	860132	180.89	ug/L		96
65) Toluene	8.390	91	2391878	182.03	ug/L		95
66) trans-1,3-Dichloropropene	8.659	75	900956	186.61	ug/L		97
67) Ethyl Methacrylate	8.799	69	947438	179.27	ug/L		98
68) 1,1,2-Trichloroethane	8.848	97	592764	189.53	ug/L		96
71) Tetrachloroethene	8.982	164	508992	211.12	ug/L		97
72) 2-Hexanone	9.134	43	639102	187.09	ug/L		93
73) 1,3-Dichloropropane	9.018	76	925139	176.29	ug/L		99
74) Dibromochloromethane	9.244	129	722222	216.15	ug/L		96
75) N-Butyl Acetate	9.293	43	1353874	179.61	ug/L		99
76) 1,2-Dibromoethane	9.335	107	652234	190.50	ug/L		94
77) 3-Chlorobenzotrifluoride	9.853	180	977064	224.11	ug/L		96
78) Chlorobenzene	9.835	112	1613315	190.63	ug/L		97
79) 4-Chlorobenzotrifluoride	9.908	180	867349	234.42	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.920	131	631340	209.81	ug/L		97
81) Ethylbenzene	9.957	106	841133	193.76	ug/L	#	89
82) (m+p)Xylene	10.067	106	2019906	384.40	ug/L		95
83) o-Xylene	10.426	106	1038426	191.06	ug/L		88
84) Styrene	10.439	104	1759446	195.51	ug/L		98
85) Bromoform	10.585	173	615191	238.48	ug/L		93
86) 2-Chlorobenzotrifluoride	10.670	180	1020596	246.33	ug/L		97
87) Isopropylbenzene	10.762	105	2593000	198.96	ug/L		96
88) Cyclohexanone	10.823	55	2807397	3545.67	ug/L		96
89) trans-1,4-Dichloro-2-B...	11.067	53	220284	181.52	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.018	83	904748	173.81	ug/L		94
92) Bromobenzene	11.006	156	827324	191.47	ug/L		96
93) 1,2,3-Trichloropropane	11.048	110	272228	190.90	ug/L		97
94) n-Propylbenzene	11.115	91	3009059	170.10	ug/L		98
95) 2-Chlorotoluene	11.176	91	1912100	166.96	ug/L		97
96) 3-Chlorotoluene	11.231	91	1942354	163.13	ug/L		98
97) 4-Chlorotoluene	11.268	91	2133313	166.79	ug/L		96
98) 1,3,5-Trimethylbenzene	11.268	105	2227275	180.24	ug/L		97
99) tert-Butylbenzene	11.536	119	1913357	180.08	ug/L		98
100) 1,2,4-Trimethylbenzene	11.579	105	2288118	185.94	ug/L		94
101) 3,4-Dichlorobenzotrifl...	11.640	214	890005	215.76	ug/L		94
102) sec-Butylbenzene	11.719	105	2806731	181.51	ug/L		96
103) p-Isopropyltoluene	11.841	119	2453816	193.02	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 09:37:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration

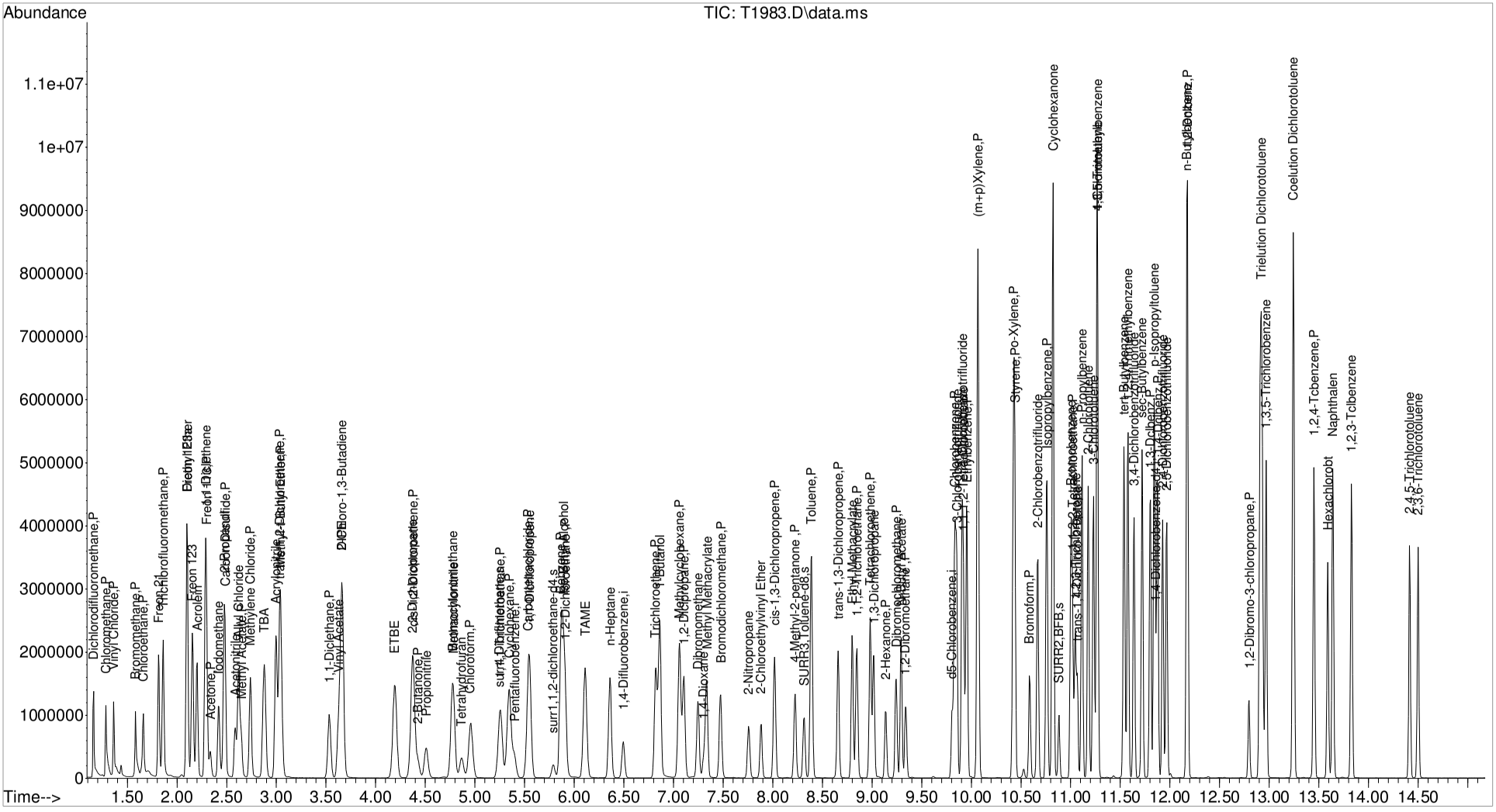
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	1515505	194.10	ug/L	97
105) 1,4-Dclbenz	11.877	146	1547920	185.98	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	838600	239.31	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	893128	216.19	ug/L	97
108) n-Butylbenzene	12.170	91	2227128	184.97	ug/L	98
109) 1,2-Dclbenz	12.176	146	1458273	188.03	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	284445	217.08	ug/L	90
111) Trielution Dichlorotol...	12.920	125	3615902	567.62	ug/L	94
112) 1,3,5-Trichlorobenzene	12.969	180	1174836	210.62	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	2652569	373.29	ug/L	95
114) 1,2,4-Tcbenzene	13.450	180	1172454	215.32	ug/L	100
115) Hexachlorobt	13.591	225	530865	227.58	ug/L	98
116) Naphthalen	13.639	128	2947134	215.48	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	1136067	221.48	ug/L	99
118) 2,4,5-Trichlorotoluene	14.414	159	781957	260.57	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	692853	246.40	ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1983.D
Acq On : 17 Sep 2020 3:42 pm
Operator : F.NAEGLER
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 09:37:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 15:49:29 2020
Response via : Initial Calibration

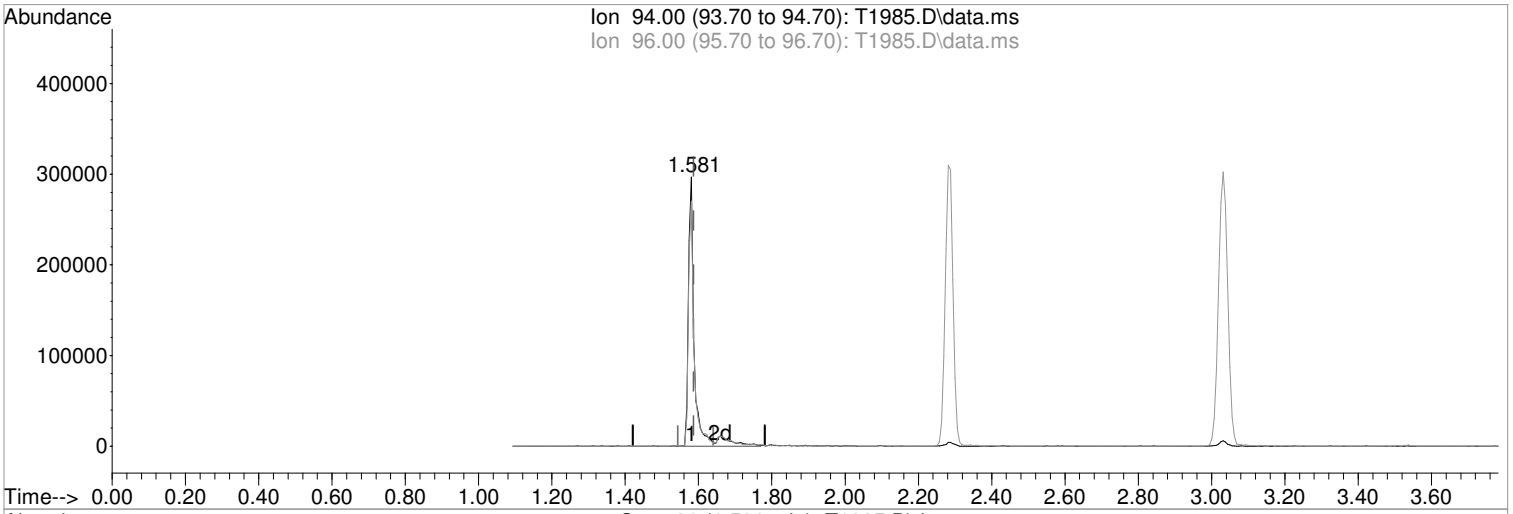


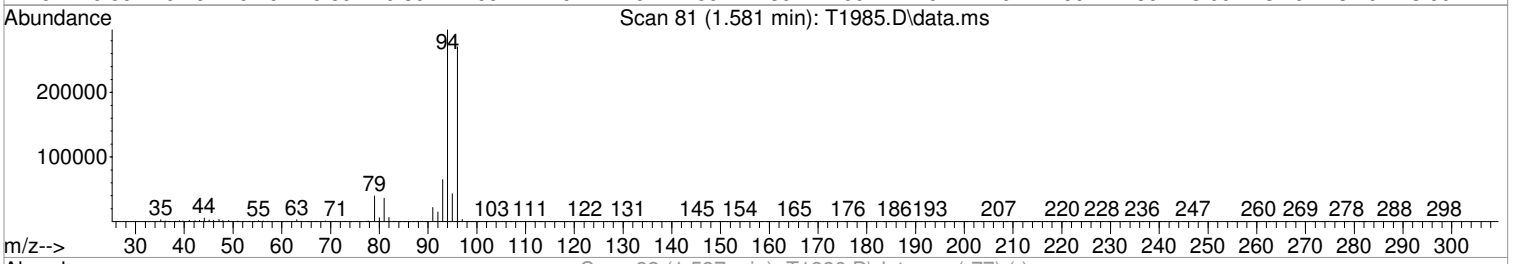
1st 09/18/20
2nd 09/19/20

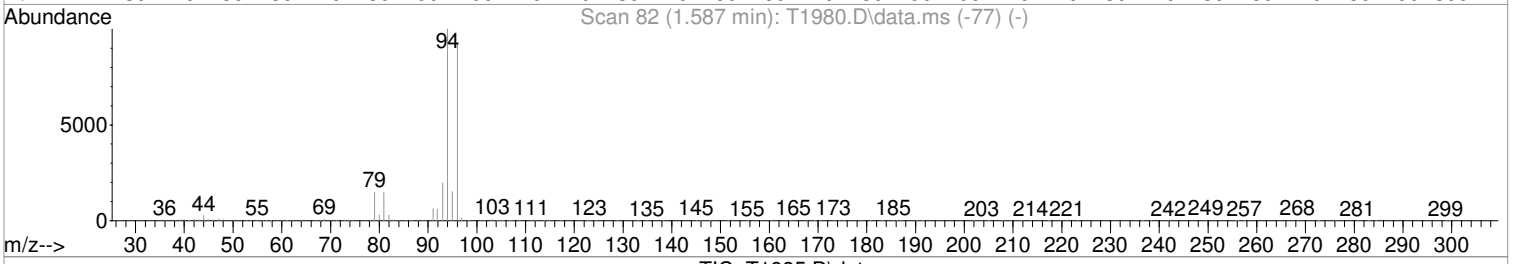
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 17 16:47:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration







TIC: T1985.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 79.08 ug/L m

response 344893

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	91.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

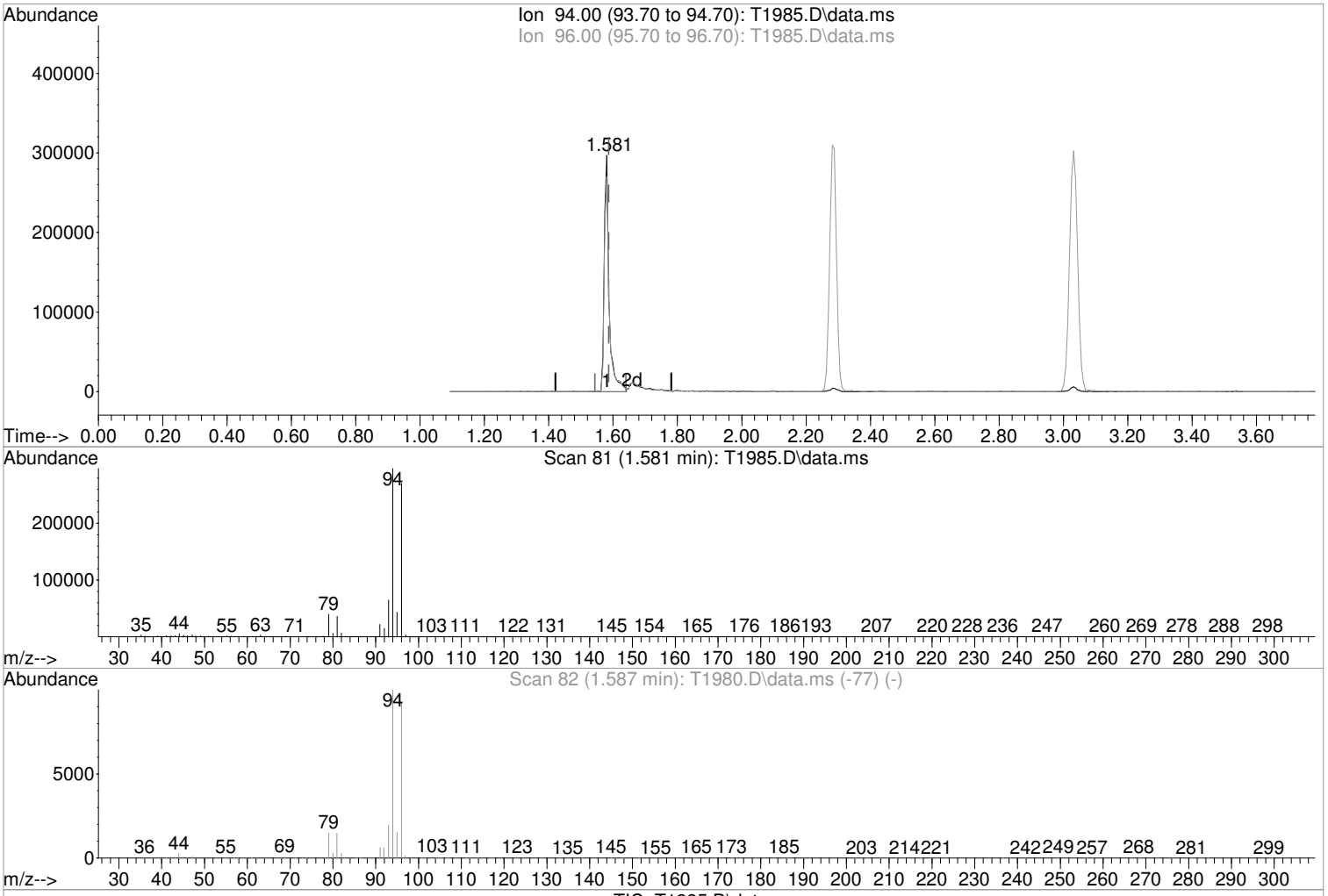
Poor integration.

09/18/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 17 16:47:29 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration



TIC: T1985.D\data.ms

(5) Bromomethane (P)

1.581min (-0.006) 71.29 ug/L

response 310925

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	91.11
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

09/18/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 09:38:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	434881	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	657466	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	629146	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	374245	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	784300	195.52	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 391.04%#				
46) surr1,1,2-dichloroetha...	5.787	65	887558	184.16	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 368.32%#				
64) SURR3,Toluene-d8	8.317	98	2891466	185.68	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 371.36%#				
69) SURR2,BFB	10.884	95	1201055	198.16	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 396.32%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	574461	125.57	ug/L		97
3) Chloromethane	1.282	50	657343	101.59	ug/L		99
4) Vinyl Chloride	1.361	62	584397	107.58	ug/L		100
5) Bromomethane	1.581	94	344893m	79.08	ug/L		
6) Chloroethane	1.654	64	491880	151.69	ug/L		96
7) Freon 21	1.812	67	1139230	135.65	ug/L		97
8) Trichlorofluoromethane	1.855	101	917549	143.07	ug/L		98
9) Diethyl Ether	2.099	59	544720	124.90	ug/L		91
10) Freon 123a	2.099	67	708800	128.45	ug/L		89
11) Freon 123	2.154	83	796614	135.70	ug/L		97
12) Acrolein	2.196	56	847946	630.88	ug/L		99
13) 1,1-Diclethene	2.282	96	460301	141.72	ug/L		97
14) Freon 113	2.288	101	559935	141.31	ug/L		98
15) Acetone	2.337	43	272953	124.11	ug/L		97
16) 2-Propanol	2.483	45	1403374	2697.74	ug/L		100
17) Iodomethane	2.416	142	878717	168.27	ug/L		95
18) Carbon Disulfide	2.477	76	1625520	133.62	ug/L		100
19) Acetonitrile	2.587	41	637485	660.29	ug/L		96
20) Allyl Chloride	2.617	76	317827	130.13	ug/L	#	92
21) Methyl Acetate	2.647	43	692025	123.46	ug/L		98
22) Methylene Chloride	2.739	84	608761	128.49	ug/L		93
23) TBA	2.879	59	2091327	2740.98	ug/L		98
24) Acrylonitrile	2.995	53	1625051	703.48	ug/L		100
25) Methyl-t-Butyl Ether	3.044	73	1886382	140.27	ug/L		98
26) trans-1,2-Dichloroethene	3.032	96	531672	145.59	ug/L		100
27) 1,1-Diclethane	3.531	63	1084867	143.02	ug/L		97
28) Vinyl Acetate	3.623	86	137733	168.17	ug/L	#	68
29) DIPE	3.659	45	2003568	130.85	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.653	53	900164	123.74	ug/L		100
31) ETBE	4.190	59	1782148	138.12	ug/L		99
32) 2,2-Dichloropropane	4.367	77	922645	151.32	ug/L		98
33) cis-1,2-Dichloroethene	4.373	96	626934	142.35	ug/L		88
34) 2-Butanone	4.428	43	429740	133.61	ug/L		93
35) Propionitrile	4.513	54	652026	666.45	ug/L		96
36) Bromochloromethane	4.769	130	423337	146.77	ug/L		81
37) Methacrylonitrile	4.775	67	326985	123.44	ug/L		93
38) Tetrahydrofuran	4.860	42	294414	121.61	ug/L		95
39) Chloroform	4.958	83	999868	135.21	ug/L		94
40) 1,1,1-Trichloroethane	5.257	97	889276	143.54	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 09:38:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	641919	140.75	ug/L		94
44) Carbontetrachloride	5.537	117	795508	168.13	ug/L		96
45) 1,1-Dichloropropene	5.549	75	776457	147.41	ug/L		96
47) Benzene	5.866	78	2290656	142.46	ug/L		97
48) 1,2-Dichloroethane	5.909	62	828321	142.93	ug/L		98
49) Iso-Butyl Alcohol	5.897	43	987341	2855.50	ug/L		95
50) TAME	6.110	73	1686637	137.99	ug/L		98
51) n-Heptane	6.360	43	877489	156.09	ug/L		97
52) 1-Butanol	6.860	56	1434138	7417.77	ug/L		97
53) Trichloroethene	6.817	130	614673	157.08	ug/L		93
54) Methylcyclohexane	7.055	55	798060	141.74	ug/L		97
55) 1,2-Diclpropane	7.104	63	648386	138.87	ug/L		99
56) Dibromomethane	7.244	93	425841	139.26	ug/L		97
57) 1,4-Dioxane	7.311	88	233661	2980.20	ug/L		98
58) Methyl Methacrylate	7.330	69	528007	127.14	ug/L	#	82
59) Bromodichloromethane	7.476	83	827650	144.47	ug/L		93
60) 2-Nitropropane	7.756	41	452909	251.77	ug/L		90
61) 2-Chloroethylvinyl Ether	7.878	63	330782	159.22	ug/L		95
62) cis-1,3-Dichloropropene	8.018	75	1006073	152.40	ug/L		98
63) 4-Methyl-2-pentanone	8.226	43	837657	135.22	ug/L		97
65) Toluene	8.390	91	2519986	146.17	ug/L		98
66) trans-1,3-Dichloropropene	8.659	75	938528	149.00	ug/L		96
67) Ethyl Methacrylate	8.799	69	946691	137.18	ug/L		99
68) 1,1,2-Trichloroethane	8.848	97	584013	142.22	ug/L		98
71) Tetrachloroethene	8.982	164	510711	155.25	ug/L		98
72) 2-Hexanone	9.140	43	622680	135.86	ug/L		91
73) 1,3-Dichloropropane	9.018	76	975482	138.43	ug/L		98
74) Dibromochloromethane	9.244	129	709583	156.82	ug/L		98
75) N-Butyl Acetate	9.293	43	1378792	136.82	ug/L		96
76) 1,2-Dibromoethane	9.341	107	645505	139.54	ug/L		94
77) 3-Chlorobenzotrifluoride	9.853	180	955728	161.82	ug/L		97
78) Chlorobenzene	9.835	112	1695365	148.49	ug/L		99
79) 4-Chlorobenzotrifluoride	9.908	180	847559	169.26	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.920	131	653624	160.98	ug/L		97
81) Ethylbenzene	9.951	106	893010	152.32	ug/L		92
82) (m+p)Xylene	10.067	106	2179192	307.71	ug/L		93
83) o-Xylene	10.426	106	1119924	152.66	ug/L	#	86
84) Styrene	10.439	104	1879863	155.13	ug/L		96
85) Bromoform	10.585	173	588985	168.28	ug/L		98
86) 2-Chlorobenzotrifluoride	10.670	180	1004304	178.97	ug/L		99
87) Isopropylbenzene	10.756	105	2736147	155.14	ug/L		96
88) Cyclohexanone	10.823	55	2887410	2742.33	ug/L		98
89) trans-1,4-Dichloro-2-B...	11.067	53	231424	142.49	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.018	83	961292	139.83	ug/L		95
92) Bromobenzene	11.006	156	866801	150.54	ug/L		98
93) 1,2,3-Trichloropropane	11.048	110	280048	148.38	ug/L		99
94) n-Propylbenzene	11.115	91	3212669	136.30	ug/L		96
95) 2-Chlorotoluene	11.176	91	2039515	133.65	ug/L		94
96) 3-Chlorotoluene	11.231	91	2024684	128.37	ug/L		94
97) 4-Chlorotoluene	11.268	91	2302035	135.29	ug/L		94
98) 1,3,5-Trimethylbenzene	11.268	105	2407092	146.46	ug/L		95
99) tert-Butylbenzene	11.536	119	2086141	147.44	ug/L		99
100) 1,2,4-Trimethylbenzene	11.579	105	2439119	148.84	ug/L		92
101) 3,4-Dichlorobenzotrifl...	11.640	214	894710	162.66	ug/L		95
102) sec-Butylbenzene	11.719	105	3001798	145.82	ug/L		94
103) p-Isopropyltoluene	11.841	119	2650082	156.48	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 09:38:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration

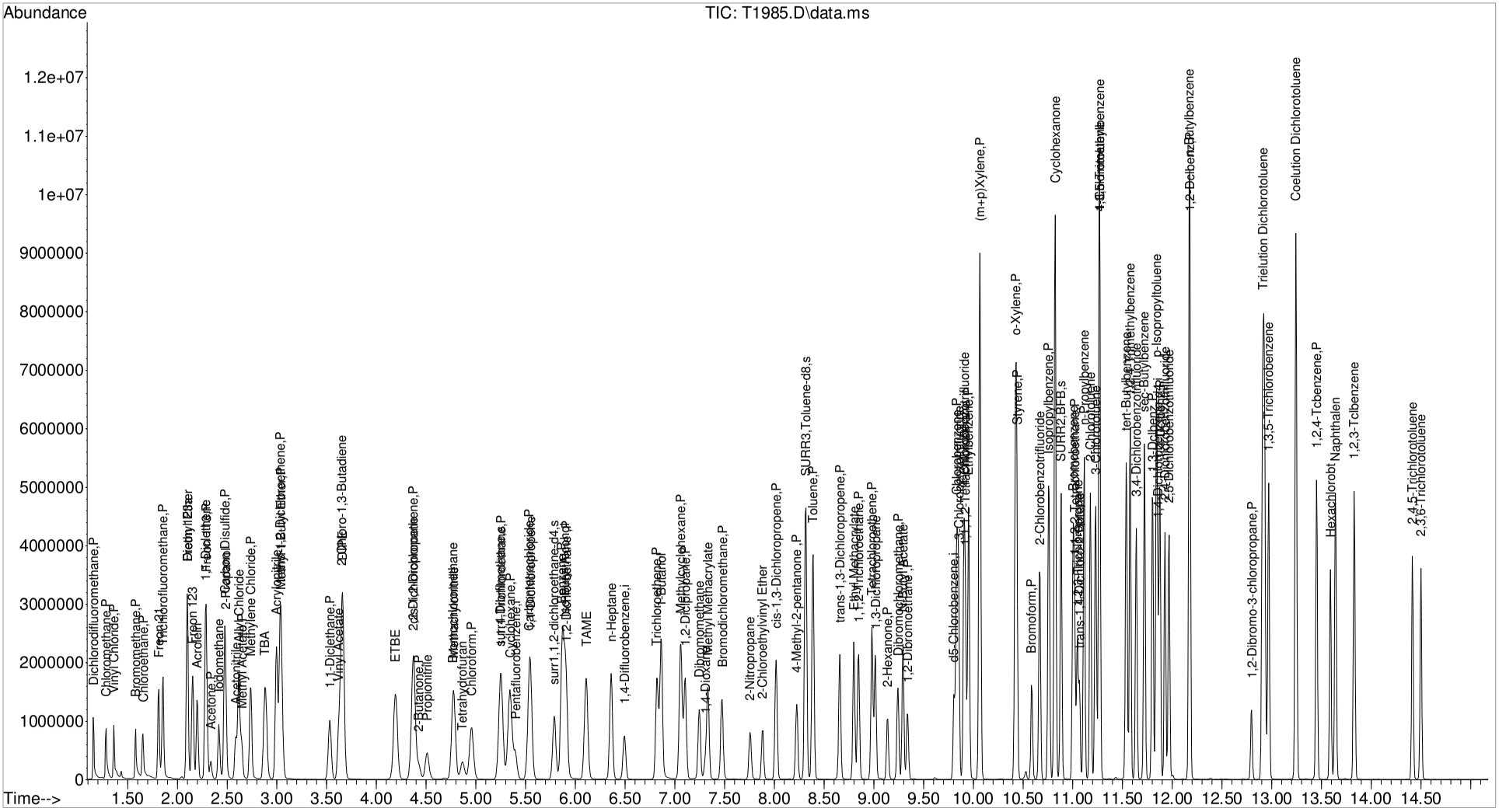
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	1594391	153.25	ug/L	96
105) 1,4-Dclbenz	11.877	146	1608912	145.22	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.926	214	856334	182.93	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	889829	162.24	ug/L	96
108) n-Butylbenzene	12.170	91	2438036	152.53	ug/L	96
109) 1,2-Dclbenz	12.176	146	1578537	153.52	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	267822	153.89	ug/L	96
111) Trielution Dichlorotol...	12.914	125	3950217	471.70	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	1233024	167.59	ug/L	97
113) Coelution Dichlorotoluene	13.243	125	2818773	301.18	ug/L	96
114) 1,2,4-Tcbenzene	13.450	180	1230479	170.45	ug/L	97
115) Hexachlorobt	13.590	225	530405	169.28	ug/L	100
116) Naphthalen	13.639	128	2870125	158.55	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	1198525	176.74	ug/L	98
118) 2,4,5-Trichlorotoluene	14.413	159	754966	189.21	ug/L	95
119) 2,3,6-Trichlorotoluene	14.499	159	683322	183.06	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1985.D
Acq On : 17 Sep 2020 4:26 pm
Operator : F.NAEGLER
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 09:38:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:17:43 2020
Response via : Initial Calibration



1st 09/18/20
2nd 09/19/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	46.263	7.5	82	0.00
3	P	Chloromethane	50.000	44.995	10.0	88	0.00
4	P	Vinyl Chloride	50.000	44.402	11.2	82	0.00
5	P	Bromomethane	50.000	54.416	-8.8	131	0.00
6	P	Chloroethane	50.000	39.185	21.6#	94	0.00
7		Freon 21	50.000	46.304	7.4	104	0.00
8	P	Trichlorofluoromethane	50.000	42.448	15.1	86	0.00
9		Diethyl Ether	50.000	46.724	6.6	103	0.00
10		Freon 123a	50.000	45.588	8.8	95	0.00
11		Freon 123	50.000	46.580	6.8	106	0.00
12		Acrolein	250.000	88.441	64.6#	38	0.00
13		1,1-Diclethene	50.000	51.345	-2.7	110	0.00
14	P	Freon 113	50.000	39.044	21.9#	82	0.00
15	P	Acetone	50.000	67.328	-34.7#	142	0.00
16		2-Propanol	1000.000	1071.666	-7.2	114	0.00
17		Iodomethane	50.000	39.003	22.0#	73	0.00
18	P	Carbon Disulfide	50.000	43.837	12.3	84	0.00
19		Acetonitrile	250.000	242.659	2.9	108	0.00
20		Allyl Chloride	50.000	42.244	15.5	89	0.00
21	P	Methyl Acetate	50.000	51.441	-2.9	106	0.00
22	P	Methylene Chloride	50.000	44.953	10.1	96	0.00
23		TBA	1000.000	1022.347	-2.2	108	0.00
24		Acrylonitrile	250.000	255.637	-2.3	103	0.00
25	P	Methyl-t-Butyl Ether	50.000	51.845	-3.7	104	0.00
26	P	trans-1,2-Dichloroethene	50.000	48.229	3.5	98	0.00
27	P	1,1-Diclethane	50.000	47.164	5.7	92	0.00
28		Vinyl Acetate	50.000	57.798	-15.6	128	-0.01
29		DIPE	50.000	50.237	-0.5	108	0.00
30		2-Chloro-1,3-Butadiene	50.000	39.820	20.4#	82	0.00
31		ETBE	50.000	50.997	-2.0	100	0.00
32		2,2-Dichloropropane	50.000	44.355	11.3	91	0.00
33	P	cis-1,2-Dichloroethene	50.000	46.557	6.9	91	0.00
34	P	2-Butanone	50.000	54.397	-8.8	115	0.00
35		Propionitrile	250.000	251.528	-0.6	104	0.00
36		Bromochloromethane	50.000	47.099	5.8	96	0.00
37		Methacrylonitrile	50.000	51.784	-3.6	107	0.00
38		Tetrahydrofuran	50.000	44.743	10.5	93	0.00
39	P	Chloroform	50.000	44.780	10.4	92	0.00
40	P	1,1,1-Trichloroethane	50.000	43.136	13.7	86	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
42	P	Cyclohexane	50.000	53.572	-7.1	114	0.00
43	s	surr4,Dibrflmethane	50.000	51.343	-2.7	103	0.00
44	P	Carbontetrachloride	50.000	45.117	9.8	83	0.00
45		1,1-Dichloropropene	50.000	44.214	11.6	87	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	51.698	-3.4	103	0.00
47	P	Benzene	50.000	45.789	8.4	88	0.00
48	P	1,2-Dichloroethane	50.000	46.408	7.2	94	0.00
49		Iso-Butyl Alcohol	1000.000	986.607	1.3	104	0.00
50		TAME	50.000	53.525	-7.0	109	0.00
51		n-Heptane	50.000	44.563	10.9	85	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	2715.466	-8.6	108	0.00
53	P	Trichloroethene	50.000	45.068	9.9	85	0.00
54	P	Methylcyclohexane	50.000	51.475	-3.0	121	0.00
55	P	1,2-Diclpropane	50.000	43.293	13.4	89	0.00
56		Dibromomethane	50.000	44.763	10.5	93	0.00
57		1,4-Dioxane	1000.000	989.715	1.0	106	0.00
58		Methyl Methacrylate	50.000	52.345	-4.7	103	0.00
59	P	Bromodichloromethane	50.000	44.415	11.2	91	0.00
60		2-Nitropropane	100.000	108.297	-8.3	105	0.00
61		2-Chloroethylvinyl Ether	50.000	14.953	70.1#	32	0.00
62	P	cis-1,3-Dichloropropene	50.000	47.641	4.7	92	0.00
63	P	4-Methyl-2-pentanone	50.000	50.194	-0.4	108	0.00
64	s	SURR3,Toluene-d8	50.000	52.439	-4.9	102	0.00
65	P	Toluene	50.000	45.630	8.7	89	0.00
66	P	trans-1,3-Dichloropropene	50.000	46.467	7.1	94	0.00
67		Ethyl Methacrylate	50.000	49.030	1.9	101	0.00
68	P	1,1,2-Trichloroethane	50.000	47.797	4.4	97	0.00
69	s	SURR2,BFB	50.000	51.957	-3.9	99	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	97	0.00
71	P	Tetrachloroethene	50.000	42.574	14.9	84	0.00
72	P	2-Hexanone	50.000	55.288	-10.6	112	0.00
73		1,3-Dichloropropane	50.000	48.890	2.2	98	0.00
74	P	Dibromochloromethane	50.000	50.183	-0.4	93	0.00
75		N-Butyl Acetate	50.000	51.058	-2.1	103	0.00
76	P	1,2-Dibromoethane	50.000	47.241	5.5	94	0.00
77		3-Chlorobenzotrifluoride	50.000	47.610	4.8	98	0.00
78	P	Chlorobenzene	50.000	47.057	5.9	92	0.00
79		4-Chlorobenzotrifluoride	50.000	49.379	1.2	97	0.00
80		1,1,1,2-Tetrachloroethane	50.000	49.014	2.0	91	0.00
81	P	Ethylbenzene	50.000	47.614	4.8	87	0.00
82	P	(m+p)Xylene	100.000	98.045	2.0	87	0.00
83	P	o-Xylene	50.000	46.871	6.3	87	0.00
84	P	Styrene	50.000	49.025	2.0	88	0.00
85	P	Bromoform	50.000	46.896	6.2	98	0.00
86		2-Chlorobenzotrifluoride	50.000	50.229	-0.5	96	0.00
87	P	Isopropylbenzene	50.000	48.369	3.3	84	0.00
88		Cyclohexanone	1000.000	1002.157	-0.2	101	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	44.125	11.8	104	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	49.610	0.8	104	0.00
92		Bromobenzene	50.000	43.869	12.3	89	0.00
93		1,2,3-Trichloropropane	50.000	48.627	2.7	97	0.00
94		n-Propylbenzene	50.000	45.381	9.2	87	0.00
95		2-Chlorotoluene	50.000	43.262	13.5	87	0.00
96		3-Chlorotoluene	50.000	44.922	10.2	95	0.00
97		4-Chlorotoluene	50.000	43.752	12.5	88	0.00
98		1,3,5-Trimethylbenzene	50.000	46.544	6.9	87	0.00
99		tert-Butylbenzene	50.000	45.949	8.1	87	0.00
100		1,2,4-Trimethylbenzene	50.000	48.363	3.3	88	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	45.711	8.6	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\091720\
Data File : T1988.D
Acq On : 17 Sep 2020 5:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 10:04:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	47.079	5.8	86	0.00
103		p-Isopropyltoluene	50.000	45.988	8.0	83	0.00
104	P	1,3-Dclbenz	50.000	45.886	8.2	88	0.00
105	P	1,4-Dclbenz	50.000	44.573	10.9	88	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	47.928	4.1	97	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	47.588	4.8	102	0.00
108		n-Butylbenzene	50.000	44.510	11.0	85	0.00
109	P	1,2-Dclbenz	50.000	47.449	5.1	89	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	50.087	-0.2	101	0.00
111		Trielution Dichlorotoluene	150.000	151.657	-1.1	98	0.00
112		1,3,5-Trichlorobenzene	50.000	49.258	1.5	99	0.00
113		Coelution Dichlorotoluene	100.000	101.098	-1.1	99	0.00
114	P	1,2,4-Tcbenzene	50.000	48.157	3.7	90	0.00
115		Hexachlorobt	50.000	43.587	12.8	86	0.00
116		Naphthalen	50.000	54.102	-8.2	97	0.00
117		1,2,3-Tclbenzene	50.000	47.676	4.6	87	0.00
118		2,4,5-Trichlorotoluene	50.000	51.779	-3.6	100	0.00
119		2,3,6-Trichlorotoluene	50.000	57.379	-14.8	99	0.00

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

Analysis: 8260/624 | Analyst: F.Naegler | pH strips: — | Tune Method: W091720.M

Date: 09/17/2020 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS 10 | 50 mL Class A used for dilution FV | Syringes: 177417 / 202105 | LIMS Run# : —

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	TUNE							T1973	Y	
1	ICAL BLK							74	Y	
2	0.5 ppb std							75	Y	
3	1.0							76	Y	
4	2.0							77	Y	
5	5.0							78	Y	
6	20							79	Y	
7	50							80	Y	
8	100							81	Y	
9	150							82	(N)	Rpt
10	200 ↓							83	Y	
11	BLK							84	Y	
12	150 ppb std							85	Y	
13	BLK							86	Y	
14	BLK							87	Y	
15	50 ppb ICV							88	Y	acetone ↑, 2-dcve ↓ ; Rpt
16	BLK							89	Y	
17	BLK							90	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° TIG = 212581	10mL/1mL 5mL/5mL	10mL/5mL	20mL/5mL	50mL/5mL	2mL/5mL	5mL/5mL	10mL/5mL	15mL/5mL	20mL/5mL
1° HSL = 212582	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 212280	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 211502	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples 5 mL + 5 uL combined IS/Surr. 5 mL purged

Primary SEE TABLE ABOVE

Primary ↓

Primary

Primary

Primary

Fr Secondary 200 : 211981 - 12.5uL

T/G Secondary 50 : 212050 - 5uL

HSL Secondary ↓ : 212140 ↓

OCC Secondary ↓ : 211504 ↓

Secondary :

5mL (ICV)

Combined IS/Surr : —

Surrogate 50 : 212475

Internal Std 50 : 212476

Reagents: —

Analysis: 8260 | 624 Analyst: F.Naeglen pH strips: 221419 Tune Method: W091720.M

Date: 09|18|2020 Balance ID: — ResCl strips: 040820F Run Method: ↓

Instr. MS 10 50 mL Class A used for dilution FV Syringes: 177417 | 202105 LIMS Run# :

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							T1991	Y	
2	BLK							92	Y	
3	TUNE							93	Y	
1	CCV							94	Y	
2	50 ppb ICV							95	Y	acetone + 2-cleve

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr —:—

Surrogate 50 : 212475

Internal Std 50 : 212476

Reagents: —

T/G Primary 500 : 212581 - 5uL | 5mL

HSL Primary : 212582 -

Fr Primary : 212280 - (CCV)

OCC Primary : 211502 -

Primary :

Fr Secondary 200 : 211981 - 5uL

T/G Secondary 500 : 212050 - 2uL

HSL Secondary : 212600 -

OCC Secondary : 211504 -

EK Secondary 200 : 212379 - 5uL | 5mL (LCS)

-125uL -5uL | 5mL (SPK)

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2000142-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1975.D	09/17/2020 12:47
02	RC2000142-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1976.D	09/17/2020 13:09
03	RC2000142-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1977.D	09/17/2020 13:31
04	RC2000142-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1978.D	09/17/2020 13:53
05	RC2000142-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1979.D	09/17/2020 14:14
06	RC2000142-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1980.D	09/17/2020 14:36
07	RC2000142-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1981.D	09/17/2020 14:58
08	RC2000142-08	200 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1983.D	09/17/2020 15:42
09	RC2000142-09	150 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1985.D	09/17/2020 16:26

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9968	02	1.000	0.6225	03	2.000	0.699	04	5.000	0.7427
05	20.000	0.6854	06	50.000	0.7137	07	100.000	0.609	09	150.000	0.6816
08	200.000	0.6293									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9169	02	1.000	0.8689	03	2.000	0.8882	04	5.000	0.9283
05	20.000	0.9523	06	50.000	0.8852	07	100.000	0.7786	09	150.000	0.8315
08	200.000	0.7587									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4494	02	1.000	0.3648	03	2.000	0.3605	04	5.000	0.359
05	20.000	0.363	06	50.000	0.3466	07	100.000	0.317	09	150.000	0.3528
08	200.000	0.4271									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4795	05	20.000	0.4259	06	50.000	0.4752	07	100.000	0.4632
09	200.000	0.4567									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3399	05	20.000	0.2769	06	50.000	0.298	07	100.000	0.3054
09	200.000	0.2982									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3258	02	1.000	0.2479	03	2.000	0.2499	04	5.000	0.2486
05	20.000	0.2564	06	50.000	0.2582	07	100.000	0.2331	09	150.000	0.2706
08	200.000	0.2717									

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.316	05	20.000	1.086	06	50.000	1.181	07	100.000	1.154
09	200.000	1.099									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3374	02	1.000	0.2417	03	2.000	0.2841	04	5.000	0.3117
05	20.000	0.2967	06	50.000	0.3102	07	100.000	0.2876	09	150.000	0.3116
08	200.000	0.3114									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6253	02	1.000	0.6719	03	2.000	0.6097	04	5.000	0.6243
05	20.000	0.7144	06	50.000	0.6538	07	100.000	0.547	09	150.000	0.4479
08	200.000	0.5498									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5906	02	1.000	0.4485	03	2.000	0.5256	04	5.000	0.5407
05	20.000	0.5197	06	50.000	0.5127	07	100.000	0.4708	09	150.000	0.4805
08	200.000	0.4425									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3703	02	1.000	0.5791	03	2.000	0.4162	04	5.000	0.415
05	20.000	0.4214	06	50.000	0.4126	07	100.000	0.3725	09	150.000	0.4075
08	200.000	0.3717									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000142 **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	16.5	≤20	0.7089	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.6	≤20	0.8676	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	11.1	≤20	0.3711	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	4.6	≤20	0.4601	
Dibromofluoromethane	SURR	Average RF	% RSD	7.5	≤20	0.3037	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.1	≤20	0.2624	0.200
Toluene-d8	SURR	Average RF	% RSD	7.9	≤20	1.167	
Trichloroethene (TCE)	TRG	Average RF	% RSD	8.9	≤20	0.2992	0.200
Vinyl Chloride	TRG	Average RF	% RSD	13.2	≤20	0.6049	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	9.5	≤20	0.5035	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	15.3	≤20	0.4185	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2000142-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091720\T1988.D	09/17/2020 17:31
11	RC2000142-11	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091820\T1995.D	09/18/2020 12:54

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.1	7.089E-1	6.116E-1	-13.727	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.2	8.676E-1	8.184E-1	-5.673	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	51.3	3.711E-1	3.811E-1	2.69	±30	Average RF
Tetrachloroethene (PCE)	50.0	42.6	2.624E-1	2.235E-1	-14.853	±30	Average RF
Trichloroethene (TCE)	50.0	45.1	2.992E-1	2.697E-1	-9.864	±30	Average RF
Vinyl Chloride	50.0	44.4	6.049E-1	5.372E-1	-11.195	±30	Average RF
cis-1,2-Dichloroethene	50.0	46.6	5.035E-1	4.688E-1	-6.886	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.2	4.185E-1	4.037E-1	-3.542	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.0	4.601E-1	4.781E-1	3.92	±30	Average RF
Dibromofluoromethane	50.0	51.3	3.037E-1	3.119E-1	2.69	±30	Average RF
Toluene-d8	50.0	52.4	1.167E0	1.224E0	4.88	±30	Average RF

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

Service Request: R2008657
Date Analyzed: 09/24/20 10:15

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\092420\T2141.D\
Signal ID: 1

Calibration Date: 9/17/2020
Calibration ID: RC2000142
Analysis Lot: 696421
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	42.1	0.7089	0.5973	-15.7	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.6	0.8676	0.8266	-4.7	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	41.4	0.3711	0.307	-17.3	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	43.2	0.2624	0.2268	-13.6	NA	±20	Average RF
Trichloroethene (TCE)	50.0	44.0	0.2992	0.2631	-12.0	NA	±20	Average RF
Vinyl Chloride	50.0	59.1	0.6049	0.7154	18.3	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.1	0.5035	0.4845	-3.8	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	46.0	0.4185	0.3846	-8.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	58.2	0.4601	0.5356	16.4	NA	±20	Average RF
Dibromofluoromethane	50.0	55.4	0.3037	0.3366	10.8	NA	±20	Average RF
Toluene-d8	50.0	53.3	1.1673	1.2446	6.6	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**696421
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092420\T2140.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	09:42:00	
I:\ACQUDATA\msvoa10\data\092420\T2141.D\	Continuing Calibration Verification	RQ2011255-02	9/24/2020	10:15:00	
I:\ACQUDATA\msvoa10\data\092420\T2142.D\	Lab Control Sample	RQ2011255-03	9/24/2020	10:55:00	
I:\ACQUDATA\msvoa10\data\092420\T2145.D\	Method Blank	RQ2011255-04	9/24/2020	12:08:00	
I:\ACQUDATA\msvoa10\data\092420\T2146.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	12:30:00	
I:\ACQUDATA\msvoa10\data\092420\T2147.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	12:51:00	
I:\ACQUDATA\msvoa10\data\092420\T2148.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	13:13:00	
I:\ACQUDATA\msvoa10\data\092420\T2149.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	13:35:00	
I:\ACQUDATA\msvoa10\data\092420\T2150.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	13:57:00	
I:\ACQUDATA\msvoa10\data\092420\T2151.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	14:19:00	
I:\ACQUDATA\msvoa10\data\092420\T2152.D\	TB 09172020	R2008657-001	9/24/2020	14:41:00	
I:\ACQUDATA\msvoa10\data\092420\T2153.D\	MW-13 09172020	R2008657-002	9/24/2020	15:02:00	
I:\ACQUDATA\msvoa10\data\092420\T2154.D\	MW-22 09172020	R2008657-003	9/24/2020	15:24:00	
I:\ACQUDATA\msvoa10\data\092420\T2155.D\	MW-27 09172020	R2008657-007	9/24/2020	15:46:00	
I:\ACQUDATA\msvoa10\data\092420\T2156.D\	FB 09172020	R2008657-008	9/24/2020	16:08:00	
I:\ACQUDATA\msvoa10\data\092420\T2157.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	16:30:00	
I:\ACQUDATA\msvoa10\data\092420\T2158.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	16:51:00	
I:\ACQUDATA\msvoa10\data\092420\T2159.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	17:13:00	
I:\ACQUDATA\msvoa10\data\092420\T2160.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	17:35:00	
I:\ACQUDATA\msvoa10\data\092420\T2161.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	17:57:00	
I:\ACQUDATA\msvoa10\data\092420\T2162.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	18:19:00	
I:\ACQUDATA\msvoa10\data\092420\T2163.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	18:41:00	
I:\ACQUDATA\msvoa10\data\092420\T2164.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	19:02:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**696421
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092420\T2165.D\	ZZZZZZZ	ZZZZZZZ	9/24/2020	19:24:00	
I:\ACQUDATA\msvoa10\data\092420\T2166.D\	MW-13 09172020 MS	RQ2011255-05	9/24/2020	19:46:00	
I:\ACQUDATA\msvoa10\data\092420\T2167.D\	MW-13 09172020 DMS	RQ2011255-06	9/24/2020	20:08:00	

Analysis: 8260 | Analyst: F.Naegler | pH strips: 221419 | Tune Method: W091720.M

Date: 09/24/2020 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS10 | 50 mL Class A used for dilution FV | Syringes: 177417/202105 | LIMS Run#: 696421

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							T21237	Y	
2	BLK							38	Y	
3	TUNE							39	(N)	
1	TUNE							40	Y	
1	CCV							41	Y	
2	LCS-FP							42	Y	
3	BLK							43	(N)	
4	MBLK-VHP							44	Y	
5	MBLK-FP							45	Y	
6	R2008546-001	1.0		6813	2	1	<2	46	Y	
7	-002	1.0		↓	↓	1	<2	47	Y	
8	-005	1.0		↓	↓	1	<2	48	Y	
9	R2008598-004	5.0	10/50mL	6656	4	2	<2	49	Y	DL +TICs
10	R2008517-001	50.0	1/50mL	8524	2	1	<2	50	Y	Foamy!
11	↓ -002	50.0	1/50mL	↓	↓	1	(5)	51	Y	Foamy!
12	R2008657-001	1.0		6646	4	1	<2	52	Y	
13	-002	1.0		↓	↓	1	<2	53	Y	
14	-003	1.0		↓	↓	1	<2	54	Y	
15	-007	1.0		↓	↓	1	<2	55	Y	
16	↓ -008	1.0		↓	↓	1	<2	56	Y	
17	R2008604-001	1.0		6646	4	1	<2	57	Y	
18	-004	1.0		↓	↓	1	<2	58	Y	
19	-006	1.0		↓	↓	1	<2	59	Y	
20	-009	1.0		↓	↓	1	<2	60	Y	
21	-010	5.0	10/50mL	↓	↓	1	<2	61	Y	Foamy!
22	-012	1.0		↓	↓	1	<2	62	Y	
23	-014	1.0		↓	↓	1	<2	63	Y	
24	-007	2.5	20/50mL	↓	↓	1	<2	64	Y	
25	↓ -008	1.0		↓	↓	1	<2	65	Y	
26	R2008657-002MS	1.0		6646	4	2	<2	66	Y	
27	↓ -002MSD	1.0		↓	↓	3	<2	67	Y	
28	BLK							↓ 68	Y	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

T/G Primary 500 : 212581 — 5mL/5mL

HSL Primary ↓ : 212582 —

Fr Primary ↓ : 212280 —

OCL Primary ↓ : 211502 — ↓ (CCV)

Primary :

Fr Secondary 200 : ~~211487~~ 212773 — 2mL

T/G Secondary 500 : 212050 — 2mL

HSL Secondary ↓ : 212600 — ↓

OCL Secondary ↓ : 211504 — ↓ (LCS)

Secondary :

5mL ↓ (SPK)

-12.5mL -5mL

Combined IS/Surr — : —

Surrogate 50 : 212475

Internal Std 50 : 212476

Reagents:

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 10:30
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-25R 09172020	**Units:**	ug/L
Lab Code:	R2008657-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 18:44	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 18:44	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 18:44	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 18:44	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 18:44	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 18:44	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 18:44	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 18:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/21/20 18:44	
Dibromofluoromethane	102	89 - 119	09/21/20 18:44	
Toluene-d8	108	87 - 121	09/21/20 18:44	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 11:45
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MP-14 09172020	**Units:**	ug/L
Lab Code:	R2008657-005	**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	09/21/20 18:00	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/21/20 18:00	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/21/20 18:00	
Tetrachloroethene (PCE)	**6.1**		1.0	0.21	1	09/21/20 18:00	
Trichloroethene (TCE)	**0.25**	**J**	1.0	0.20	1	09/21/20 18:00	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/21/20 18:00	
cis-1,2-Dichloroethene	1.0	U	1.0	0.23	1	09/21/20 18:00	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/21/20 18:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	09/21/20 18:00	
Dibromofluoromethane	97	89 - 119	09/21/20 18:00	
Toluene-d8	108	87 - 121	09/21/20 18:00	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008657
Project:	Dover - Kirkwood/5101.0002	**Date Collected:**	09/17/20 12:05
Sample Matrix:	Water	**Date Received:**	09/18/20 08:30
Sample Name:	MW-24 09172020	**Units:**	ug/L
Lab Code:	R2008657-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

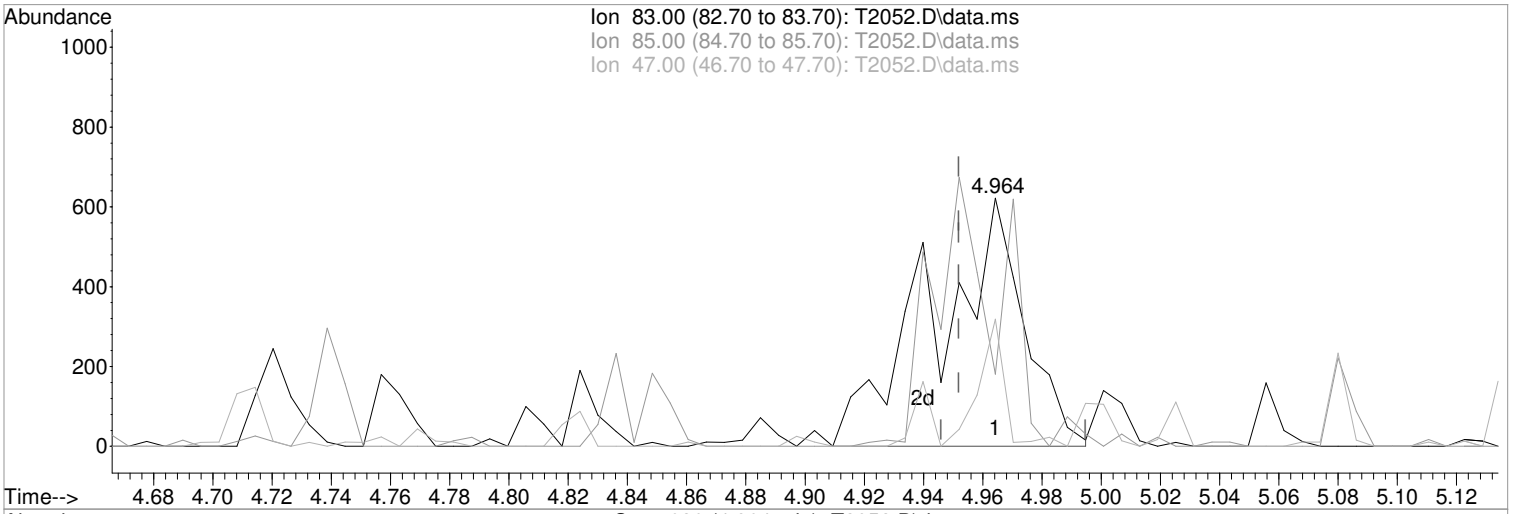
Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	09/21/20 18:22	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/21/20 18:22	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/21/20 18:22	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/21/20 18:22	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/21/20 18:22	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/21/20 18:22	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/21/20 18:22	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/21/20 18:22	

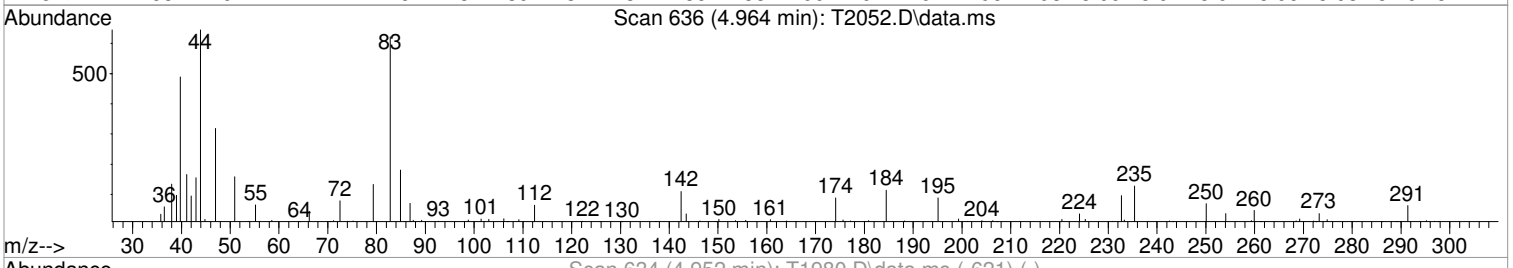
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	85 - 122	09/21/20 18:22	
Dibromofluoromethane	107	89 - 119	09/21/20 18:22	
Toluene-d8	112	87 - 121	09/21/20 18:22	

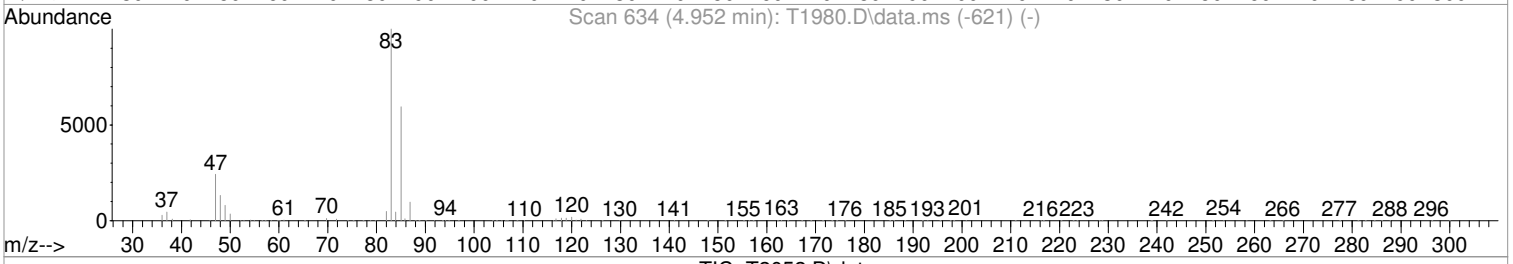
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2052.D
Acq On : 21 Sep 2020 6:44 pm
Operator : F.NAEGLER
Sample : R2008657-004|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 22 08:44:16 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2052.D\data.ms

(39) Chloroform (P)

4.964min (+0.012) 0.32 ug/L m

response 1332

Ion	Exp%	Act%
83.00	100	100
85.00	59.50	29.10#
47.00	24.20	51.29#
0.00	0.00	0.00

Manual Integration:

After

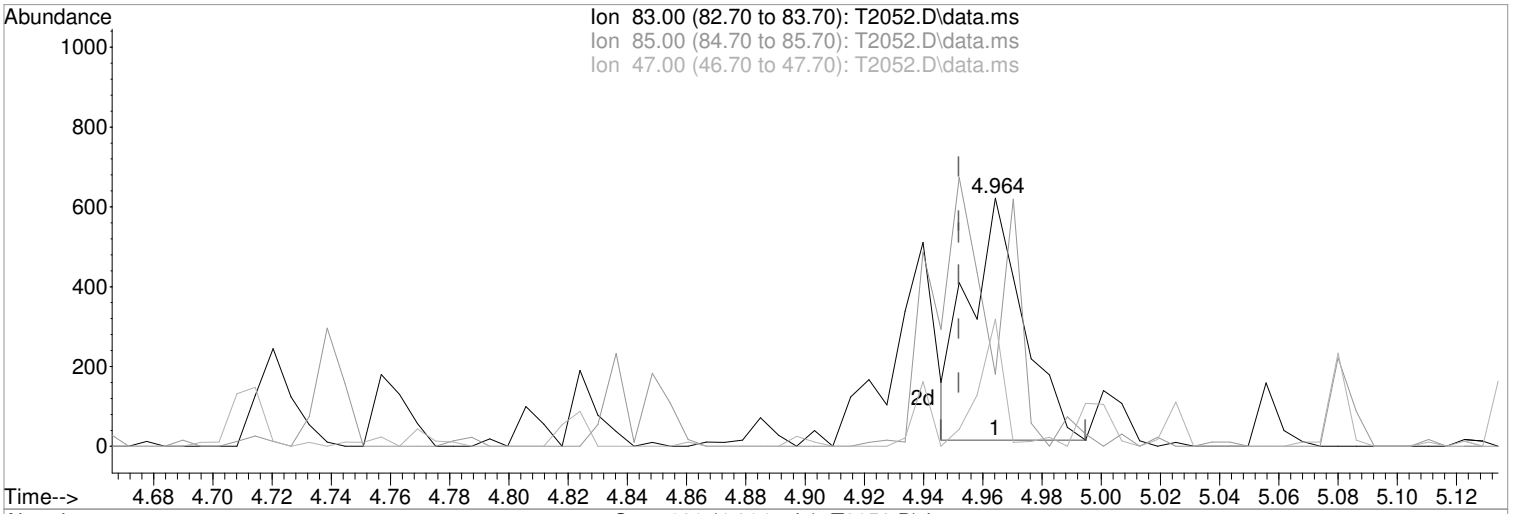
Poor integration.

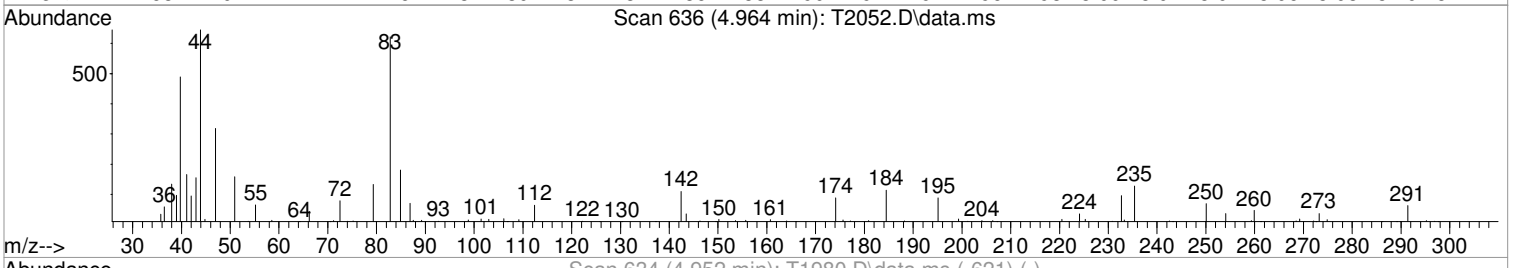
09/23/20

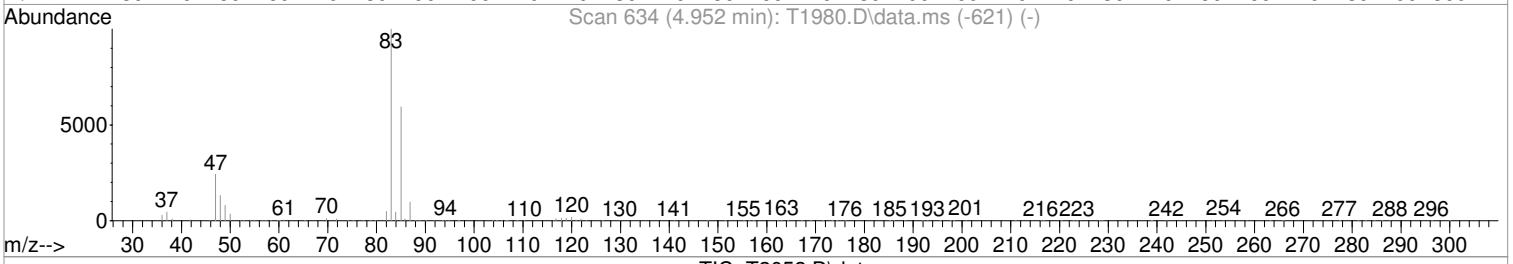
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2052.D
Acq On : 21 Sep 2020 6:44 pm
Operator : F.NAEGLER
Sample : R2008657-004|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 22 08:44:16 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2052.D\data.ms

(39) Chloroform (P)

4.964min (+0.012) 0.18 ug/L

response 772

Ion	Exp%	Act%
83.00	100	100
85.00	59.50	29.10#
47.00	24.20	51.29#
0.00	0.00	0.00

Manual Integration:

Before

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2052.D
Acq On : 21 Sep 2020 6:44 pm
Operator : F.NAEGLER
Sample : R2008657-004|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 23 15:13:13 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

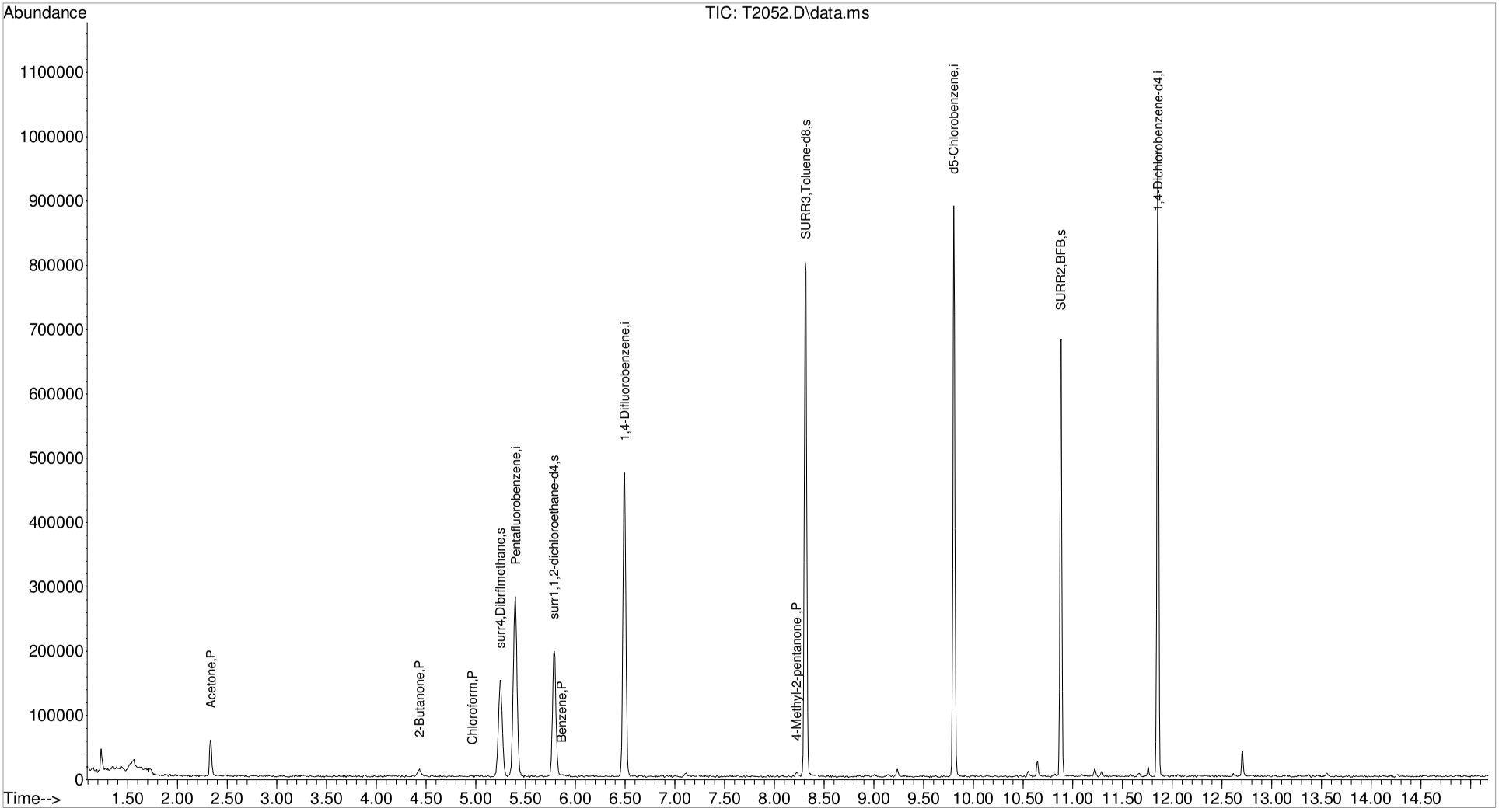
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	248231	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	385817	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	358087	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	172591	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	119751	51.10	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.20%			
46) surr1,1,2-dichloroetha...	5.787	65	159754	57.40	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 114.80%			
64) SURR3,Toluene-d8	8.317	98	484394	53.78	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 107.56%			
69) SURR2,BFB	10.878	95	179364	50.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.04%			
Target Compounds						Qvalue
10) Freon 123a	2.123	67	266	Below Cal	#	20
15) Acetone	2.337	43	59216	48.57	ug/L	97
21) Methyl Acetate	2.654	43	575	Below Cal		81
34) 2-Butanone	4.434	43	18963	10.52	ug/L	92
39) Chloroform	4.964	83	1332m	0.32	ug/L	
42) Cyclohexane	5.360	41	439	Below Cal	#	44
47) Benzene	5.866	78	2638	0.28	ug/L	79
60) 2-Nitropropane	7.689	41	416	Below Cal	#	29
63) 4-Methyl-2-pentanone	8.226	43	3479	0.97	ug/L	81

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

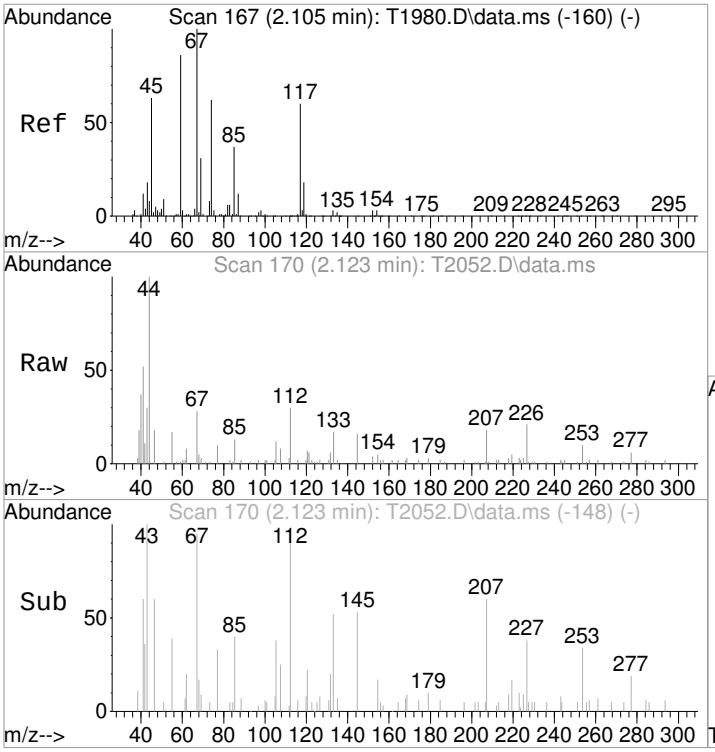
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2052.D
Acq On : 21 Sep 2020 6:44 pm
Operator : F.NAEGLER
Sample : R2008657-004|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 24 Sample Multiplier: 1

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Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



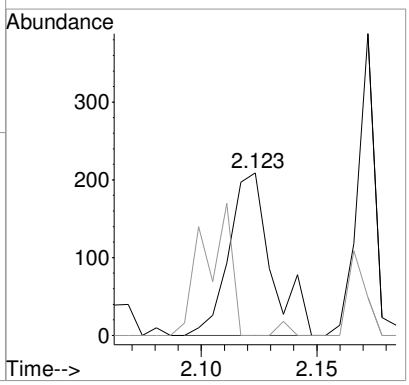
1st FJ 09/23/20

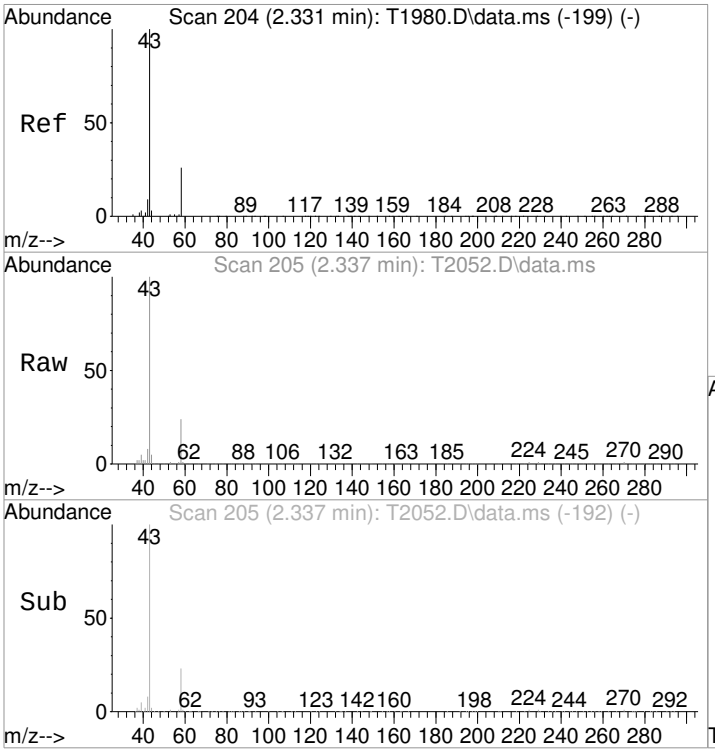


#10
Freon 123a
Concen: Below Cal
RT: 2.123 min Scan# 170
Delta R.T. 0.018 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 67 Resp: 266

Ion	Ratio	Lower	Upper
67	100		
117	0.0	40.7	80.7#

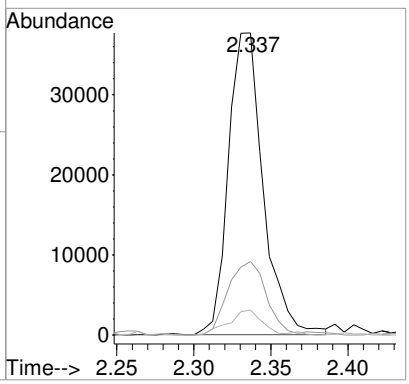


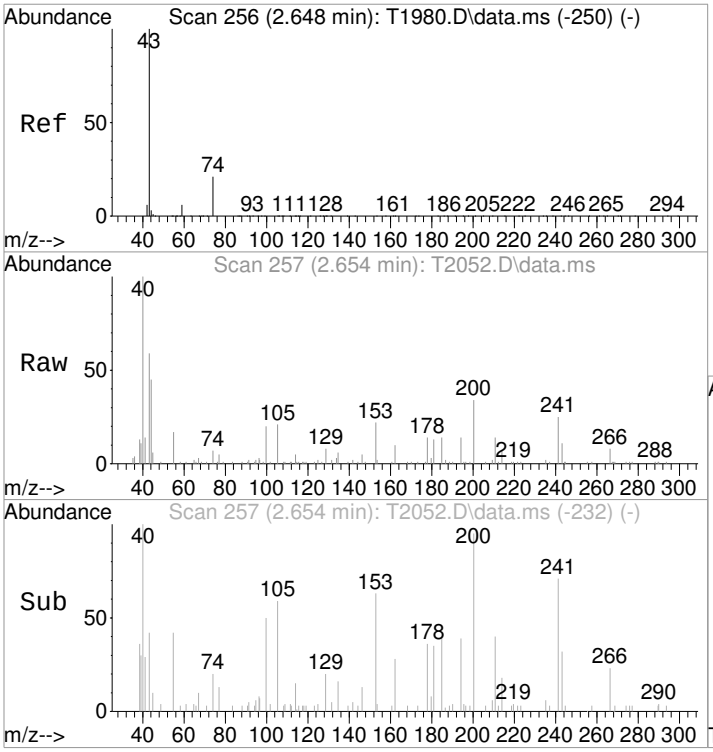


#15
Acetone
Concen: 48.57 ug/L
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 43 Resp: 59216

Ion	Ratio	Lower	Upper
43	100		
58	24.3	6.1	46.1
42	8.2	0.0	29.3

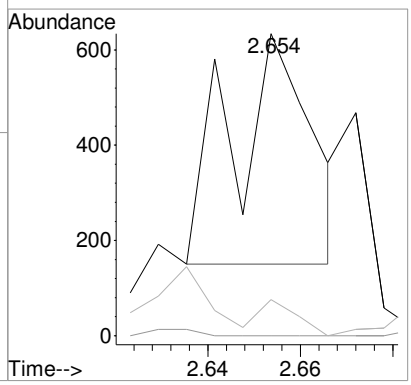


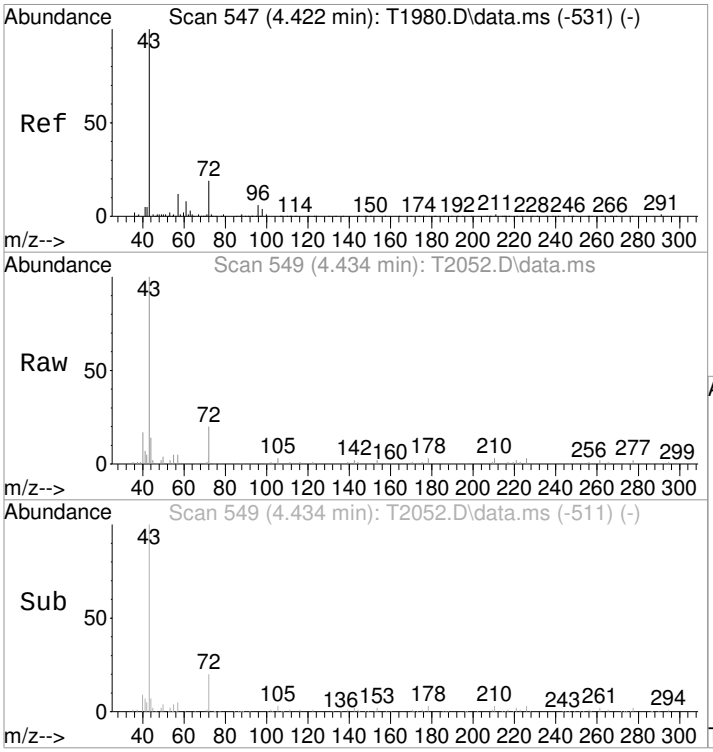


#21
Methyl Acetate
Concen: Below Cal
RT: 2.654 min Scan# 257
Delta R.T. 0.007 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 43 Resp: 575

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	12.0	0.6	40.6

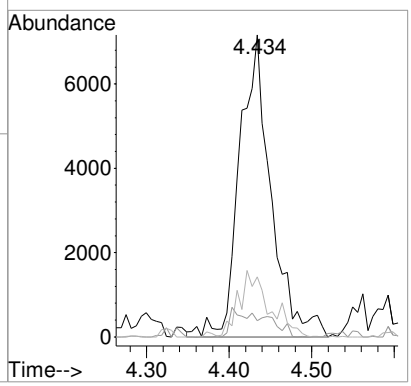


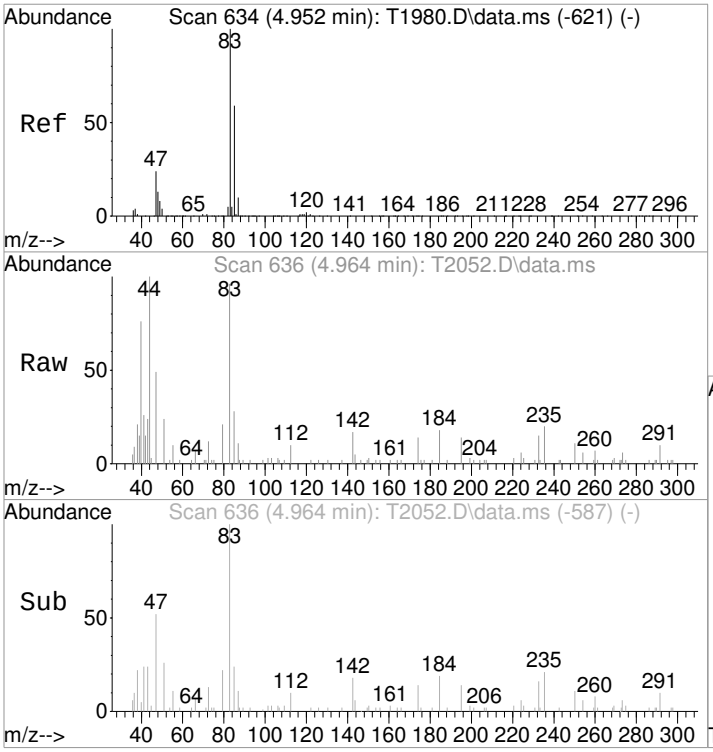


#34
2-Butanone
Concen: 10.52 ug/L
RT: 4.434 min Scan# 549
Delta R.T. 0.012 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 43 Resp: 18963

Ion	Ratio	Lower	Upper
43	100		
57	5.4	0.0	32.7
72	19.9	0.0	39.4

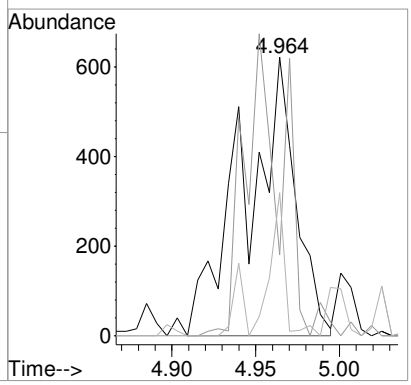


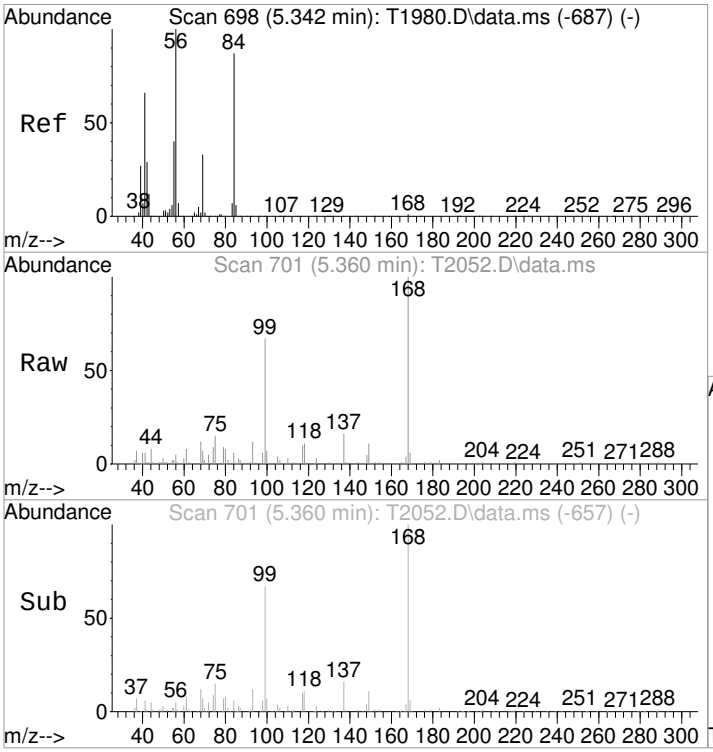


#39
Chloroform
Concen: 0.32 ug/L m
RT: 4.964 min Scan# 636
Delta R.T. 0.012 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 83 Resp: 1332

Ion	Ratio	Lower	Upper
83	100		
85	29.1	39.5	79.5#
47	51.3	4.2	44.2#

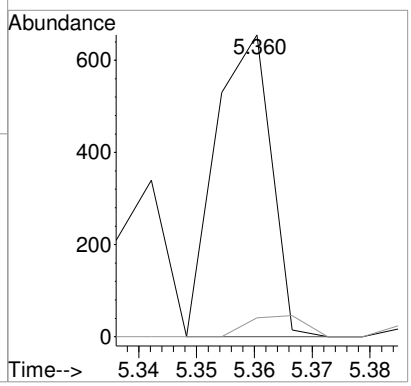


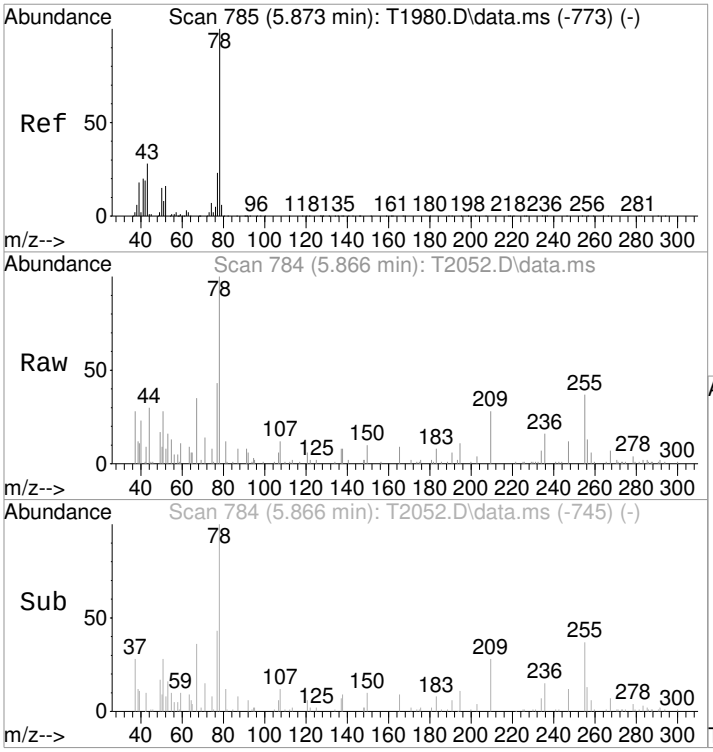


#42
Cyclohexane
Concen: Below Cal
RT: 5.360 min Scan# 701
Delta R.T. 0.018 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 41 Resp: 439

Ion	Ratio	Lower	Upper
41	100		
39	6.3	21.9	61.9#

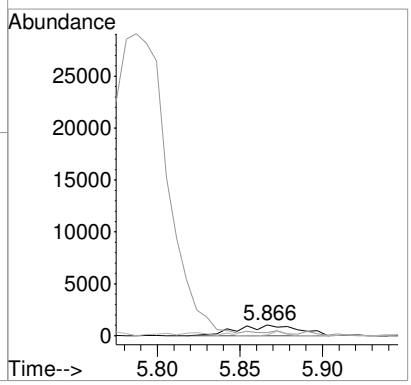


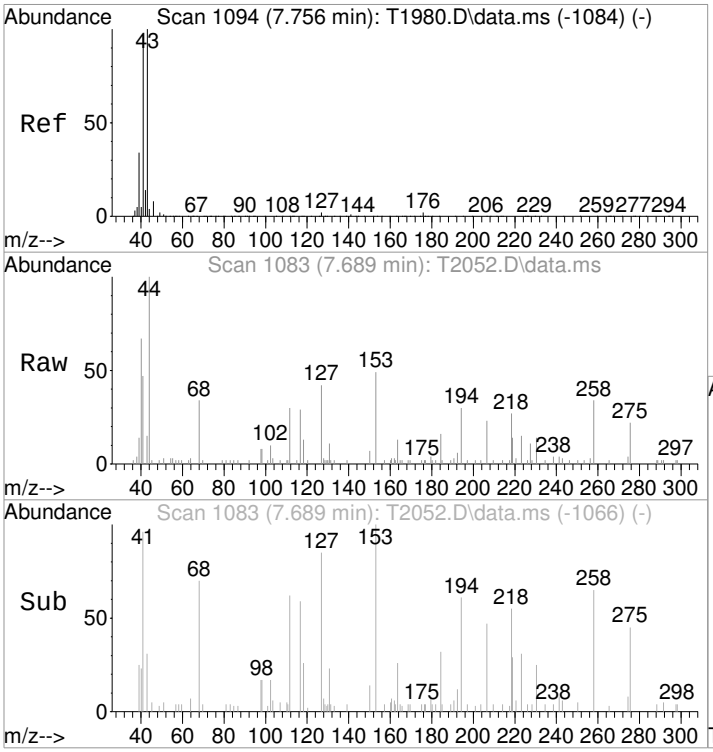


#47
Benzene
Concen: 0.28 ug/L
RT: 5.866 min Scan# 784
Delta R.T. -0.006 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 78 Resp: 2638

Ion	Ratio	Lower	Upper
78	100		
51	27.9	0.0	37.5
52	8.0	0.0	35.7

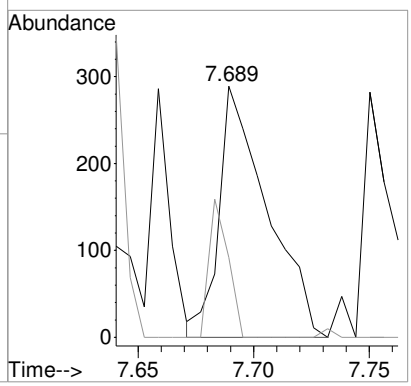


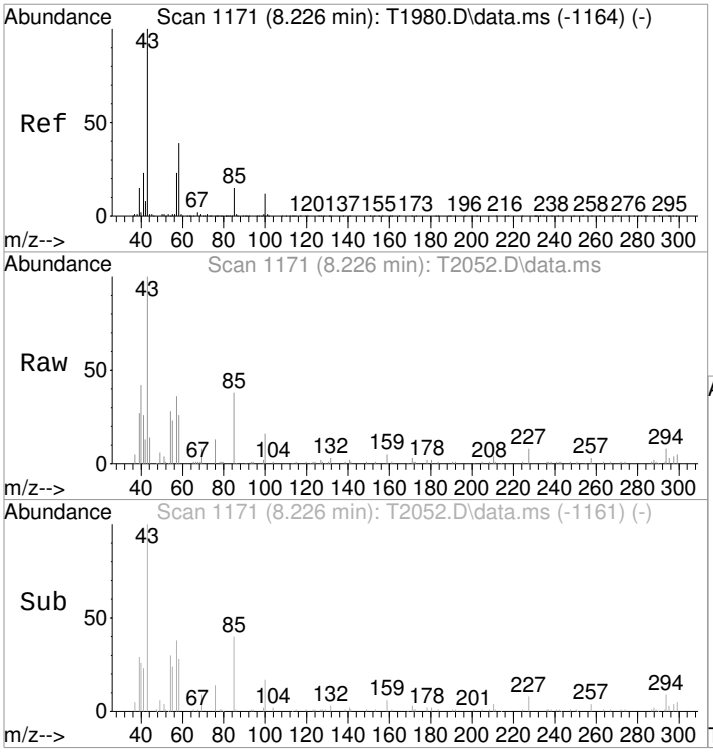


#60
2-Nitropropane
Concen: Below Cal
RT: 7.689 min Scan# 1083
Delta R.T. -0.067 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 41 Resp: 416

Ion	Ratio	Lower	Upper
41	100		
43	31.8	84.5	124.5#

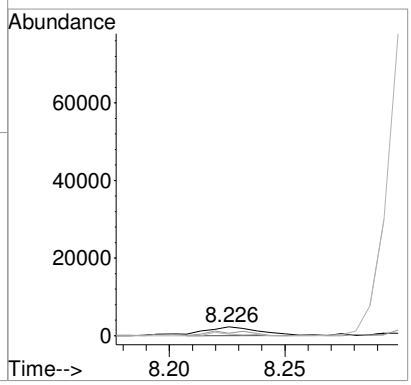




#63
4-Methyl-2-pentanone
Concen: 0.97 ug/L
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: T2052.D
Acq: 21 Sep 2020 6:44 pm

Tgt Ion: 43 Resp: 3479

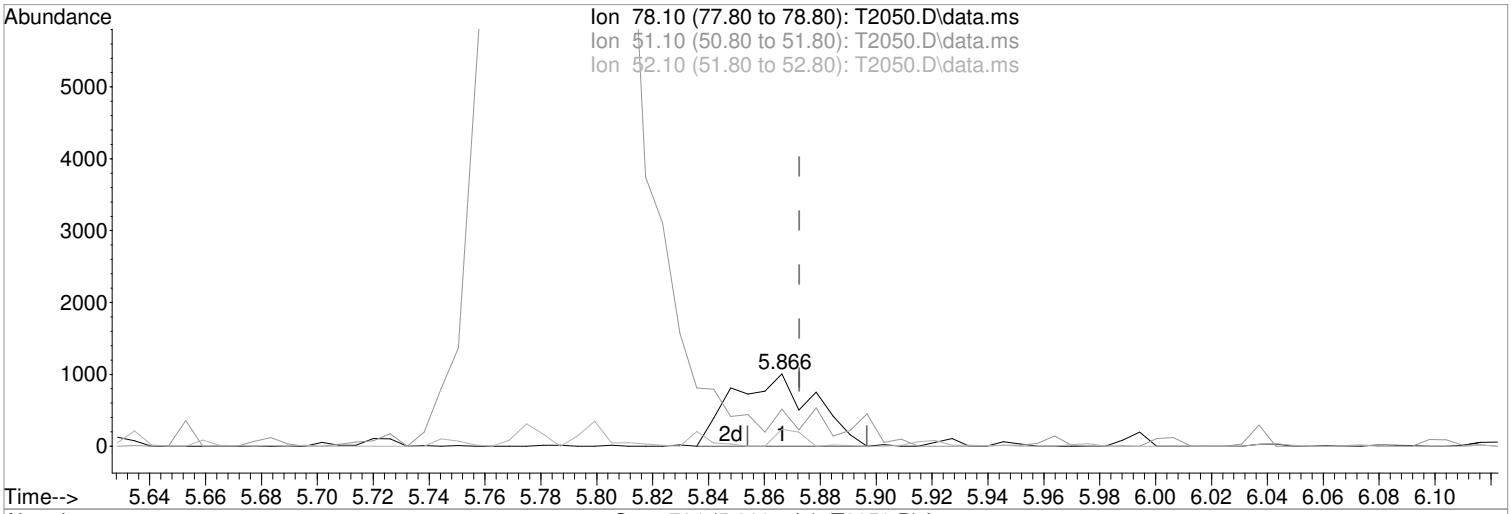
Ion	Ratio	Lower	Upper
43	100		
58	26.4	19.3	59.3
100	16.0	0.0	31.8

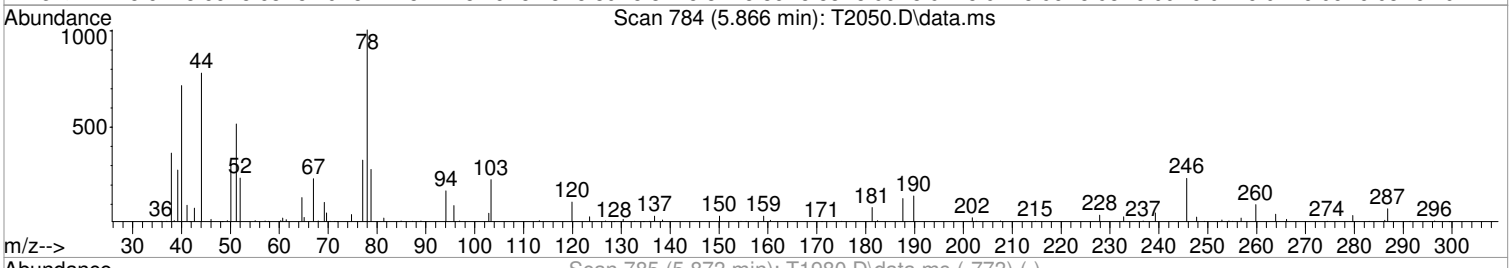


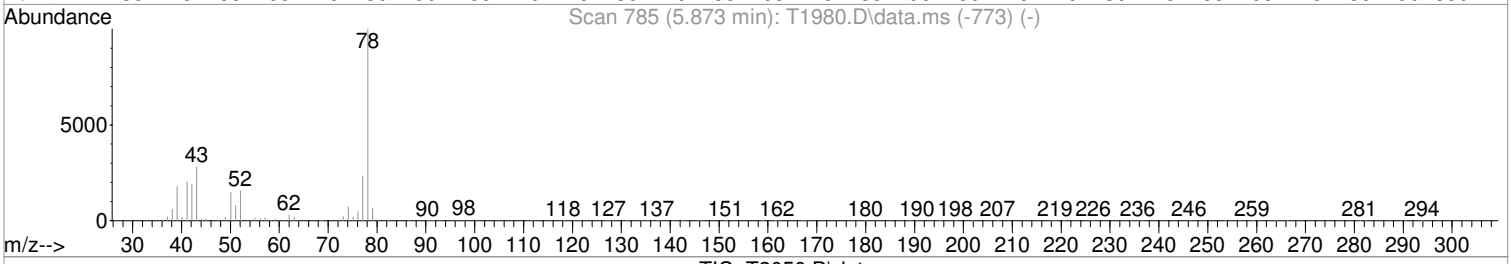
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2050.D
Acq On : 21 Sep 2020 6:00 pm
Operator : F.NAEGLER
Sample : R2008657-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 22 08:43:37 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration







TIC: T2050.D\data.ms

(47) Benzene (P)

5.866min (-0.006) 0.21 ug/L m

response 2022

Ion	Exp%	Act%
78.10	100	100
51.10	17.50	51.44#
52.10	15.70	23.48
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

09/23/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2050.D
Acq On : 21 Sep 2020 6:00 pm
Operator : F.NAEGLER
Sample : R2008657-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 23 15:09:44 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

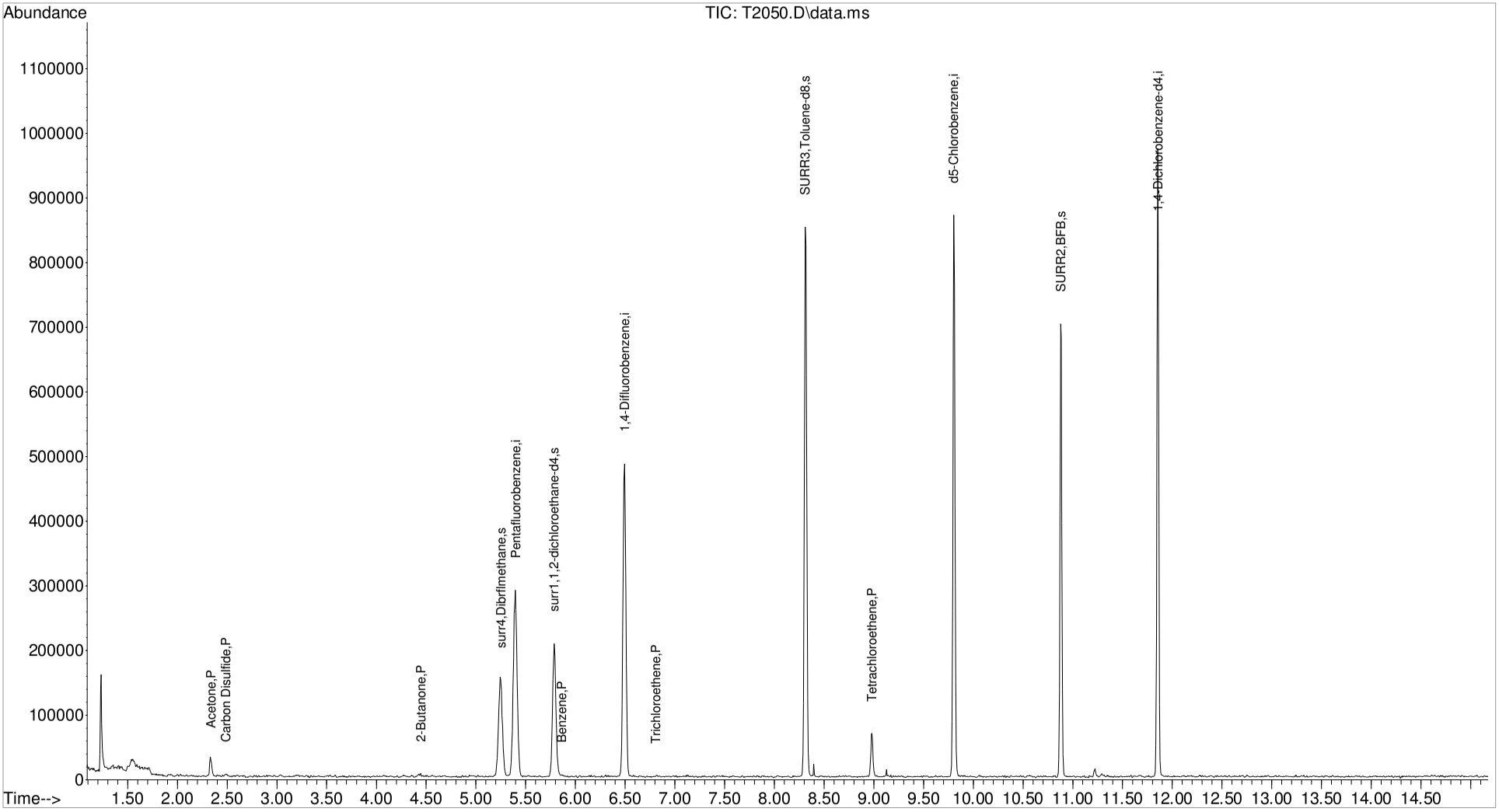
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	253409	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	404638	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	362253	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	169930	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	119682	48.70	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.40%				
46) surr1,1,2-dichloroetha...	5.787	65	167342	57.33	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 114.66%				
64) SURR3,Toluene-d8	8.311	98	511964	54.19	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 108.38%				
69) SURR2,BFB	10.877	95	179690	48.26	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.52%				
Target Compounds							Qvalue
15) Acetone	2.336	43	25610	20.58	ug/L		96
18) Carbon Disulfide	2.483	76	3899	0.56	ug/L		86
21) Methyl Acetate	2.647	43	644	Below Cal			83
34) 2-Butanone	4.446	43	5753	3.13	ug/L		85
42) Cyclohexane	5.360	41	441	Below Cal		#	61
47) Benzene	5.866	78	2022m	0.21	ug/L		
53) Trichloroethene	6.811	130	594	0.25	ug/L	#	11
60) 2-Nitropropane	7.732	41	328	Below Cal		#	54
71) Tetrachloroethene	8.982	164	11685	6.15	ug/L		88

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

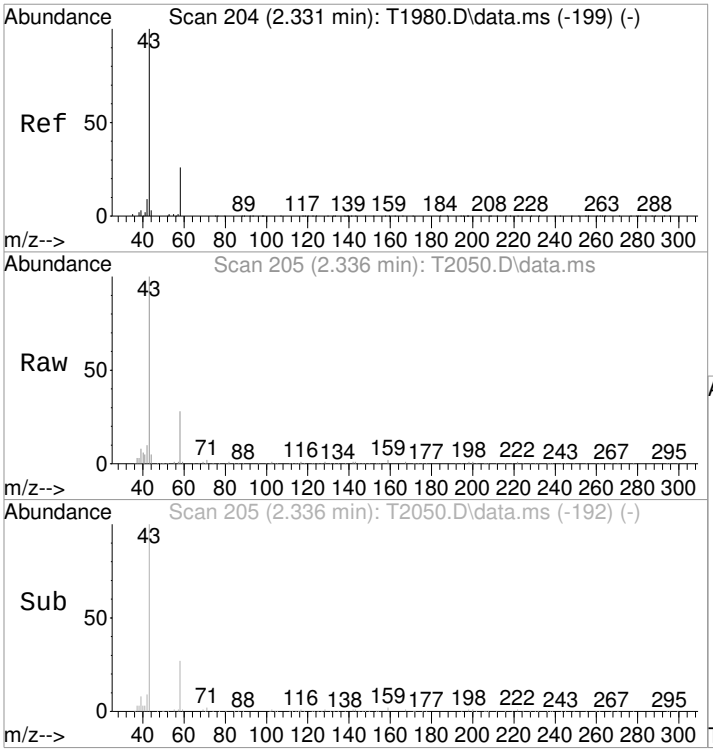
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2050.D
Acq On : 21 Sep 2020 6:00 pm
Operator : F.NAEGLER
Sample : R2008657-005|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 23 15:09:44 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



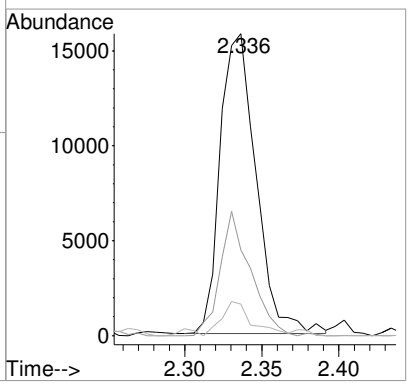
1st FJ 09/23/20

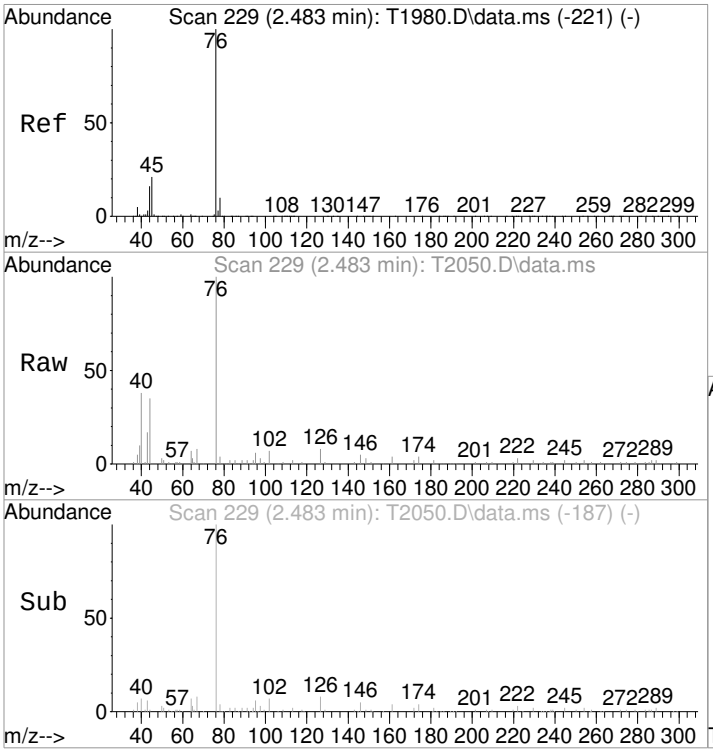


#15
Acetone
Concen: 20.58 ug/L
RT: 2.336 min Scan# 205
Delta R.T. 0.006 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion: 43 Resp: 25610

Ion	Ratio	Lower	Upper
43	100		
58	28.4	6.1	46.1
42	10.4	0.0	29.3

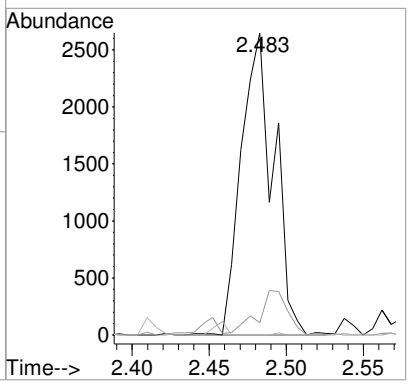


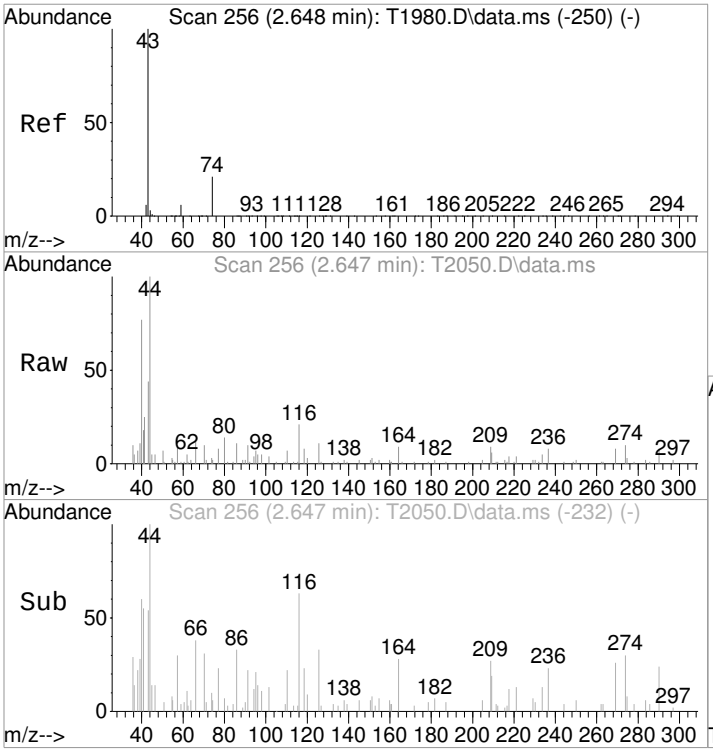


#18
Carbon Disulfide
Concen: 0.56 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion: 76 Resp: 3899

Ion	Ratio	Lower	Upper
76	100		
78	4.0	0.0	29.6
77	0.0	0.0	22.5

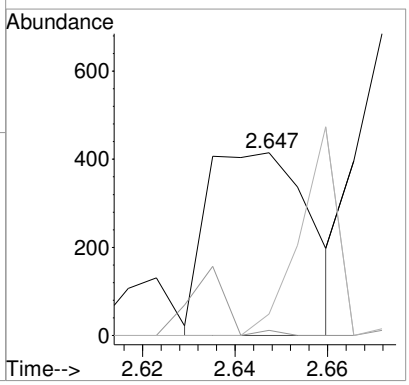


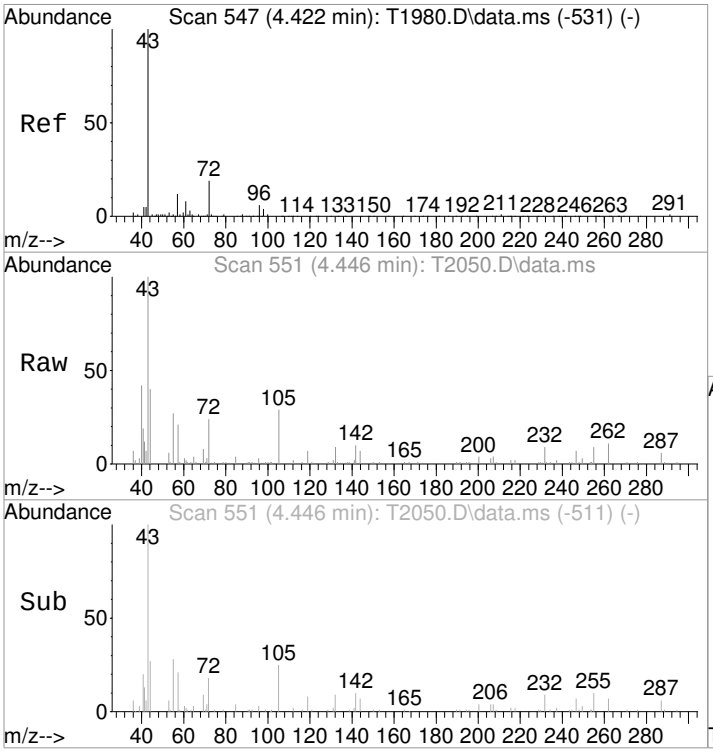


#21
Methyl Acetate
Concen: Below Cal
RT: 2.647 min Scan# 256
Delta R.T. 0.000 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion: 43 Resp: 644

Ion	Ratio	Lower	Upper
43	100		
59	2.9	0.0	26.4
74	11.8	0.6	40.6

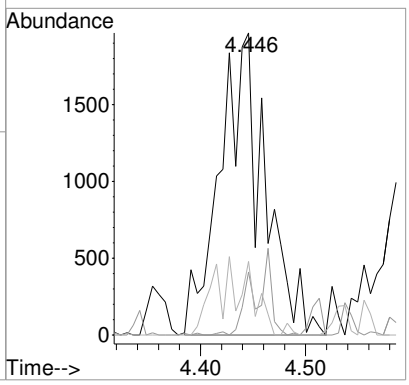


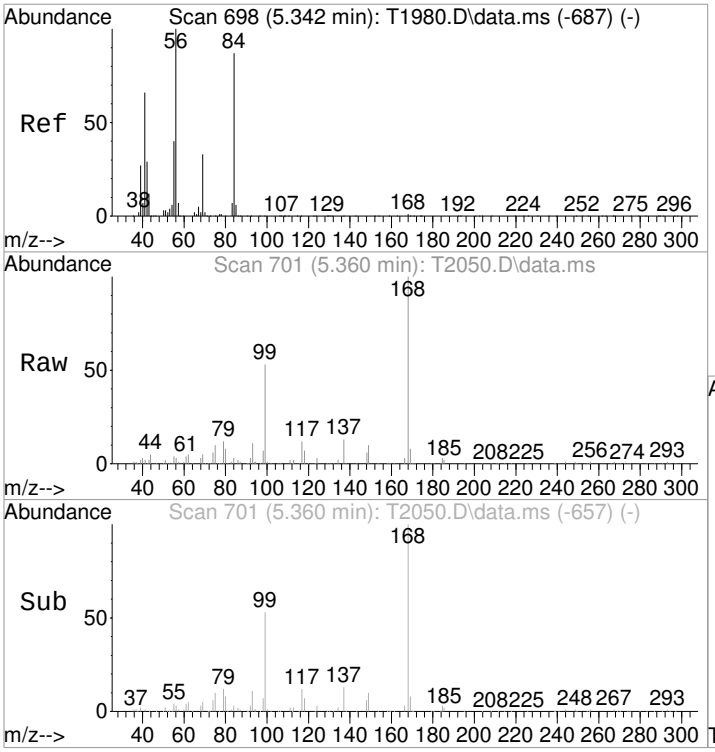


#34
2-Butanone
Concen: 3.13 ug/L
RT: 4.446 min Scan# 551
Delta R.T. 0.024 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion: 43 Resp: 5753

Ion	Ratio	Lower	Upper
43	100		
57	20.8	0.0	32.7
72	24.4	0.0	39.4

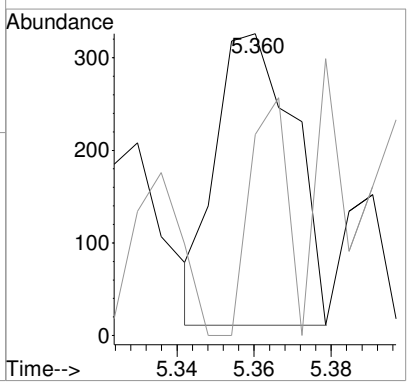


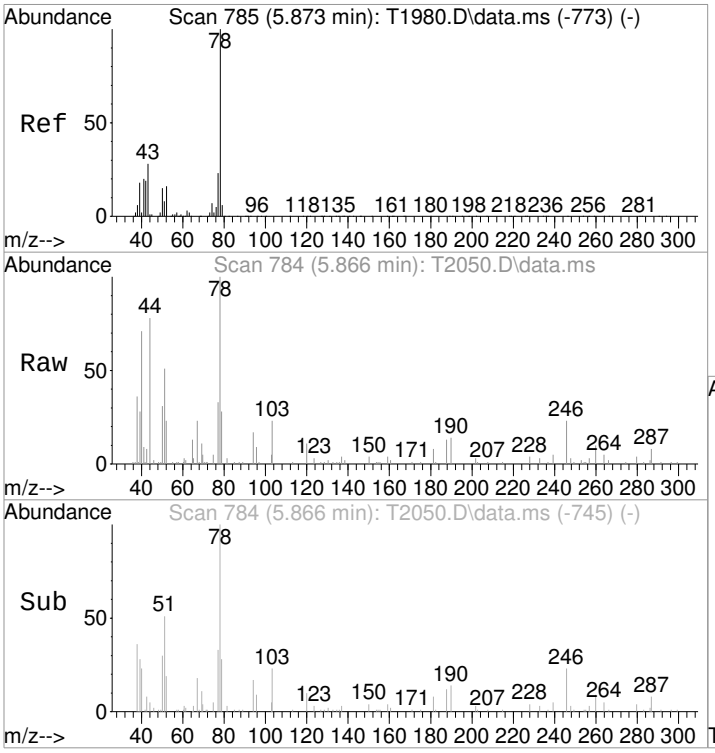


#42
Cyclohexane
Concen: Below Cal
RT: 5.360 min Scan# 701
Delta R.T. 0.018 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion: 41 Resp: 441

Ion	Ratio	Lower	Upper
41	100		
39	66.6	21.9	61.9#

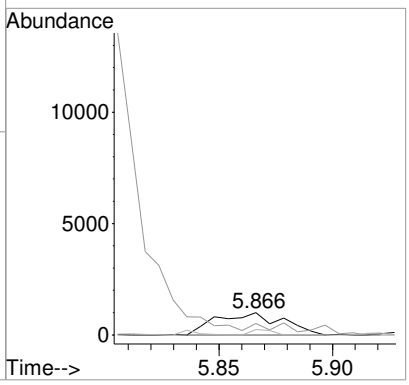


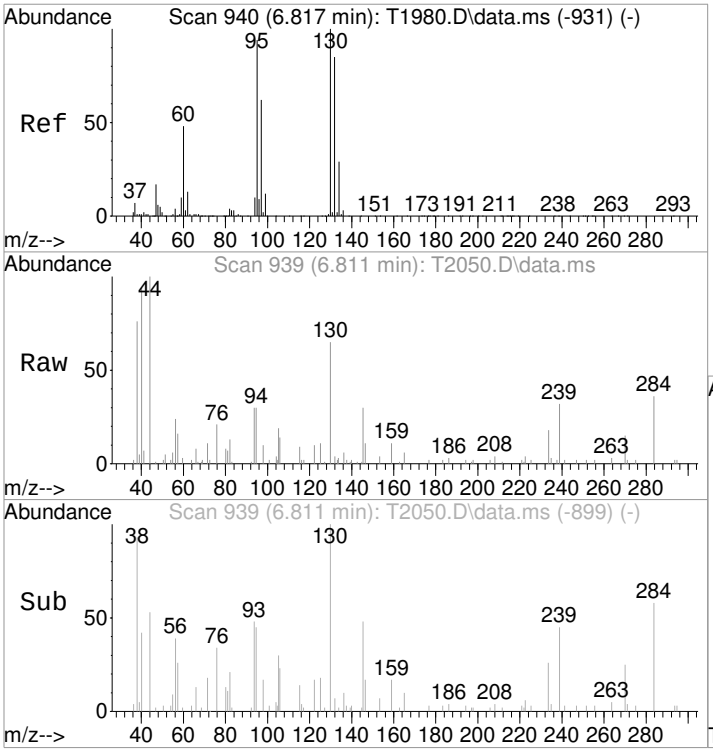


#47
Benzene
Concen: 0.21 ug/L m
RT: 5.866 min Scan# 784
Delta R.T. -0.006 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion: 78 Resp: 2022

Ion	Ratio	Lower	Upper
78	100		
51	51.4	0.0	37.5#
52	23.5	0.0	35.7

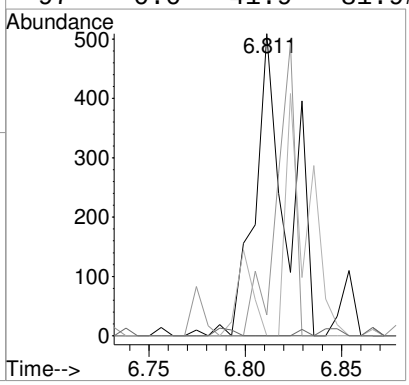


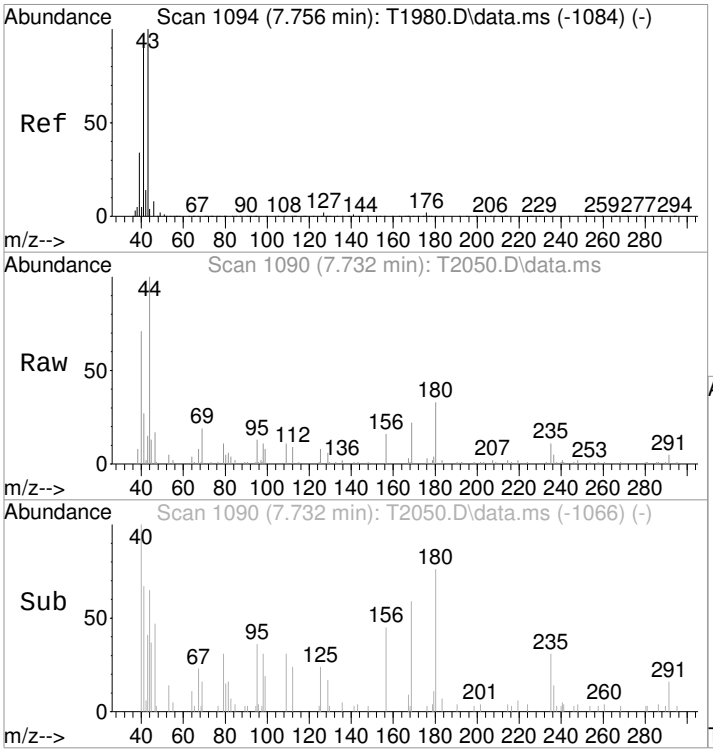


#53
Trichloroethene
Concen: 0.25 ug/L
RT: 6.811 min Scan# 939
Delta R.T. -0.006 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion:130 Resp: 594

Ion	Ratio	Lower	Upper
130	100		
132	6.9	65.4	105.4#
95	0.0	73.7	113.7#
97	0.0	41.9	81.9#

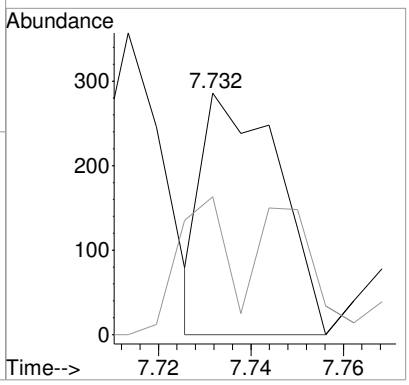


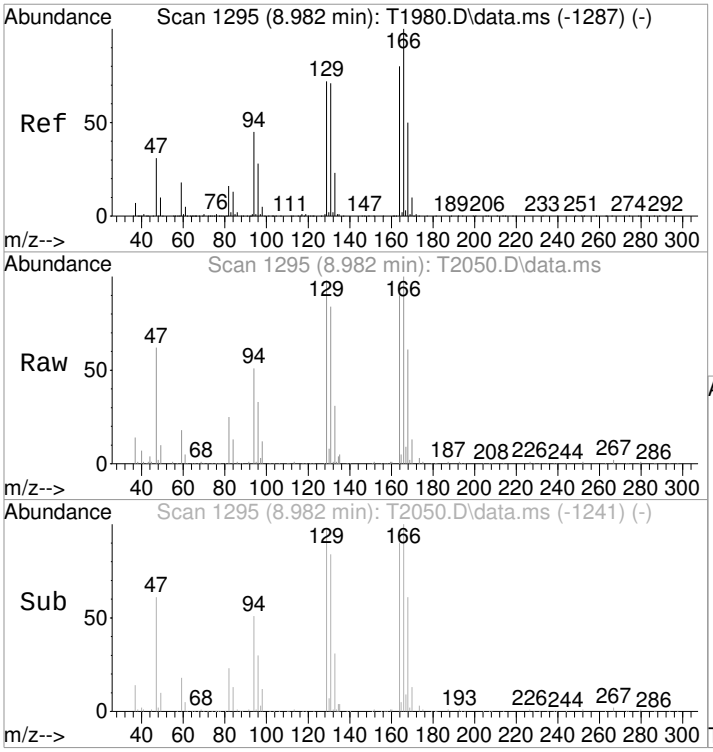


#60
2-Nitropropane
Concen: Below Cal
RT: 7.732 min Scan# 1090
Delta R.T. -0.024 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion: 41 Resp: 328

Ion	Ratio	Lower	Upper
41	100		
43	57.0	84.5	124.5#

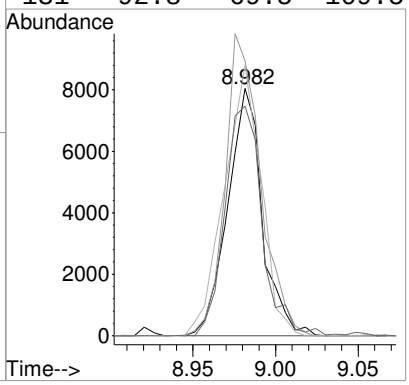




#71
Tetrachloroethene
Concen: 6.15 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: T2050.D
Acq: 21 Sep 2020 6:00 pm

Tgt Ion:164 Resp: 11685

Ion	Ratio	Lower	Upper
164	100		
166	111.2	105.6	145.6
129	109.4	69.9	109.9
131	92.8	69.5	109.5



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2051.D
Acq On : 21 Sep 2020 6:22 pm
Operator : F.NAEGLER
Sample : R2008657-006|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 15:11:08 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

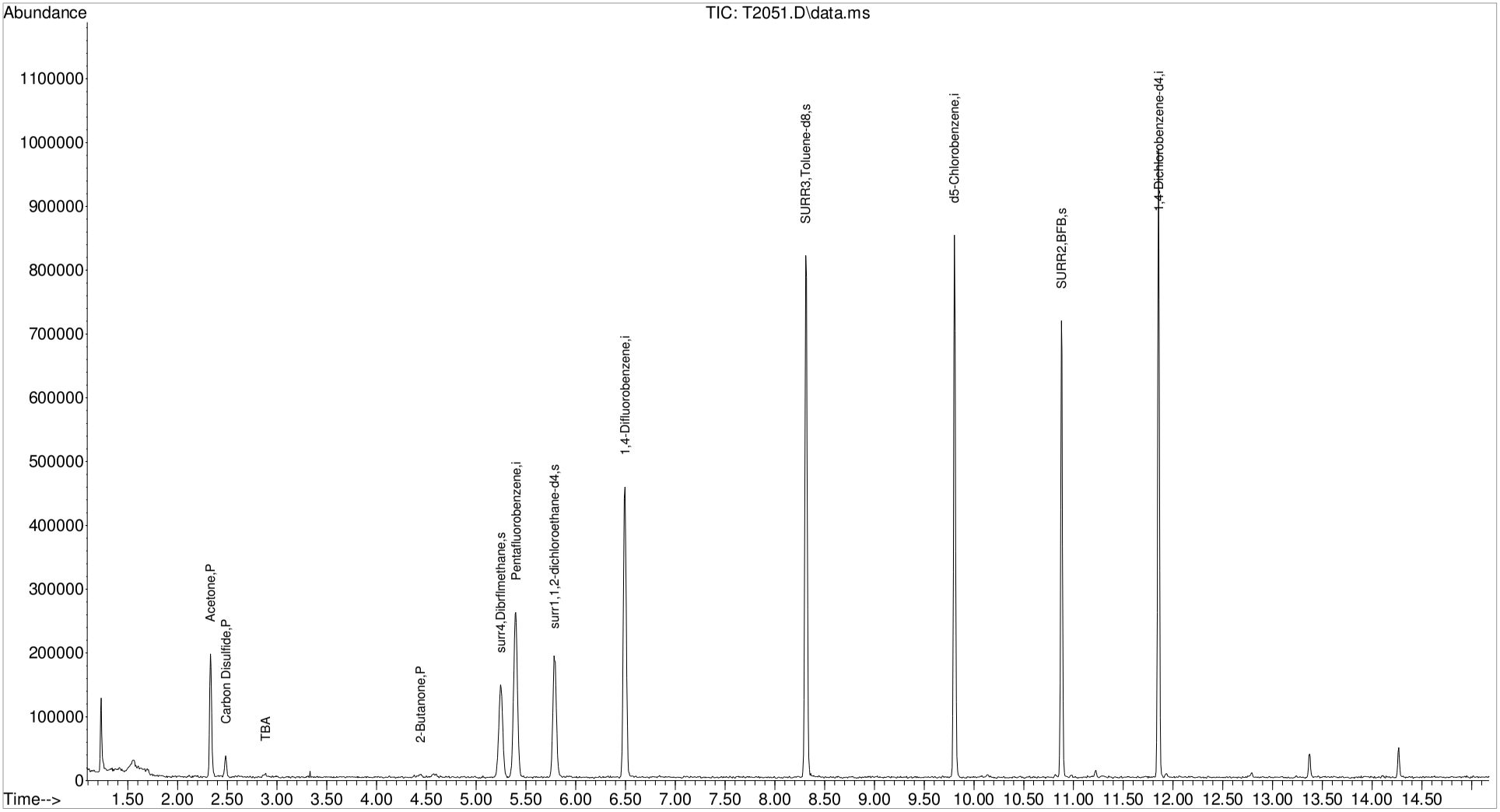
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	233668	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	370250	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	341401	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	170933	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	119935	53.33	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 106.66%			
46) surr1,1,2-dichloroetha...	5.787	65	161073	60.30	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 120.60%			
64) SURR3,Toluene-d8	8.311	98	481984	55.76	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 111.52%			
69) SURR2,BFB	10.878	95	180268	52.91	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.82%			
Target Compounds						Qvalue
15) Acetone	2.330	43	178132	155.20	ug/L	86
18) Carbon Disulfide	2.483	76	33564	5.20	ug/L	95
21) Methyl Acetate	2.672	43	361	Below Cal		64
23) TBA	2.885	59	3530	8.72	ug/L	88
34) 2-Butanone	4.440	43	6399	3.77	ug/L	95
38) Tetrahydrofuran	4.848	42	383	Below Cal	#	37
42) Cyclohexane	5.348	41	308	Below Cal		91
60) 2-Nitropropane	7.756	41	354	Below Cal	#	1

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

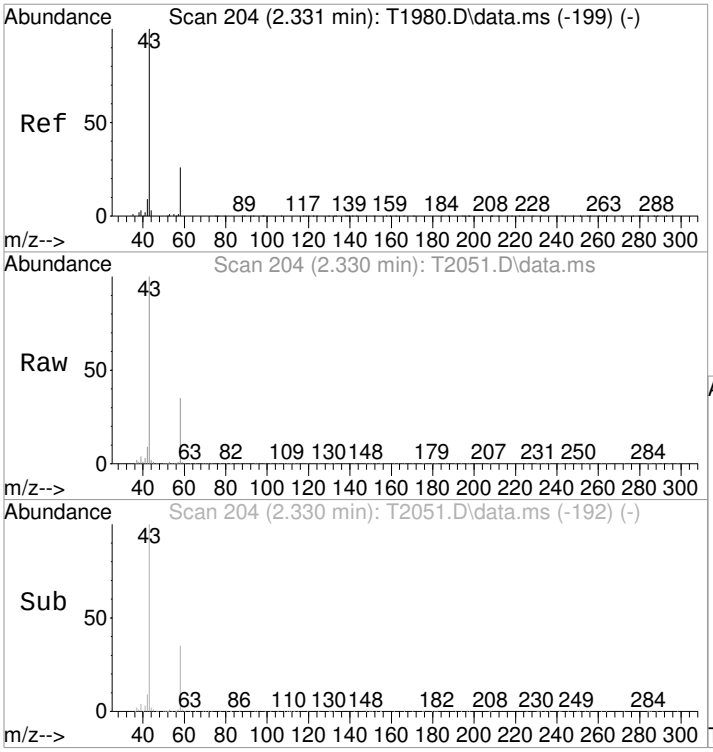
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2051.D
Acq On : 21 Sep 2020 6:22 pm
Operator : F.NAEGLER
Sample : R2008657-006|1.0 Inst : MSVOA10
Misc : VERINA 7979 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 15:11:08 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



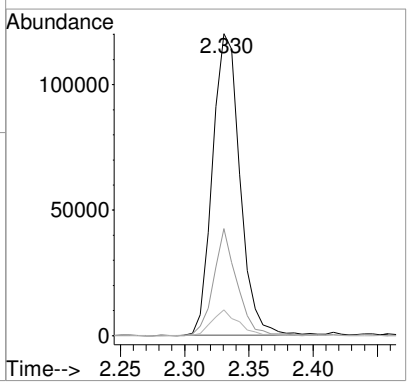
1st FJ 09/23/20

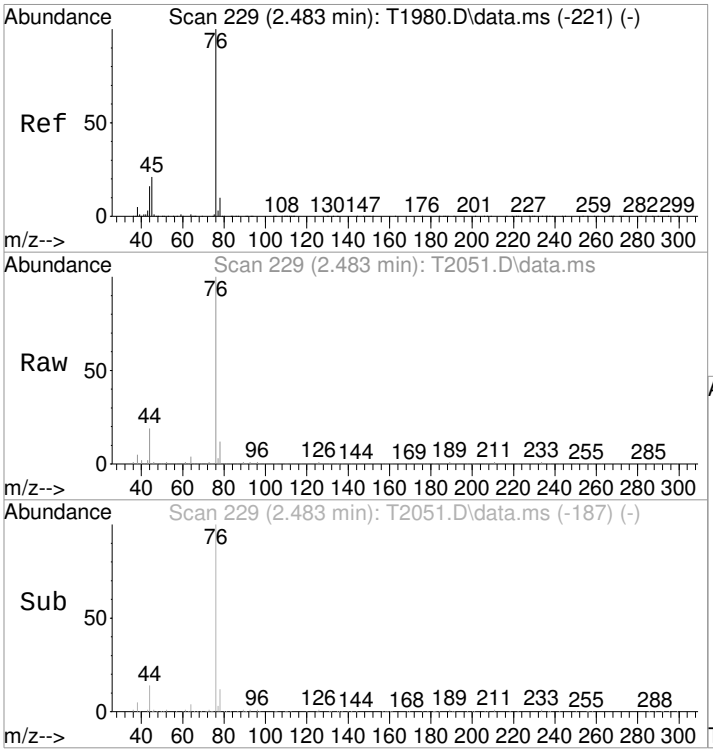


#15
Acetone
Concen: 155.20 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: T2051.D
Acq: 21 Sep 2020 6:22 pm

Tgt Ion: 43 Resp: 178132

Ion	Ratio	Lower	Upper
43	100		
58	35.5	6.1	46.1
42	8.5	0.0	29.3

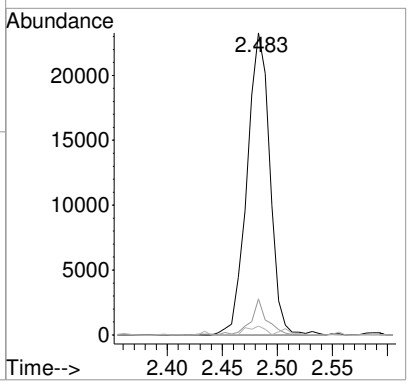


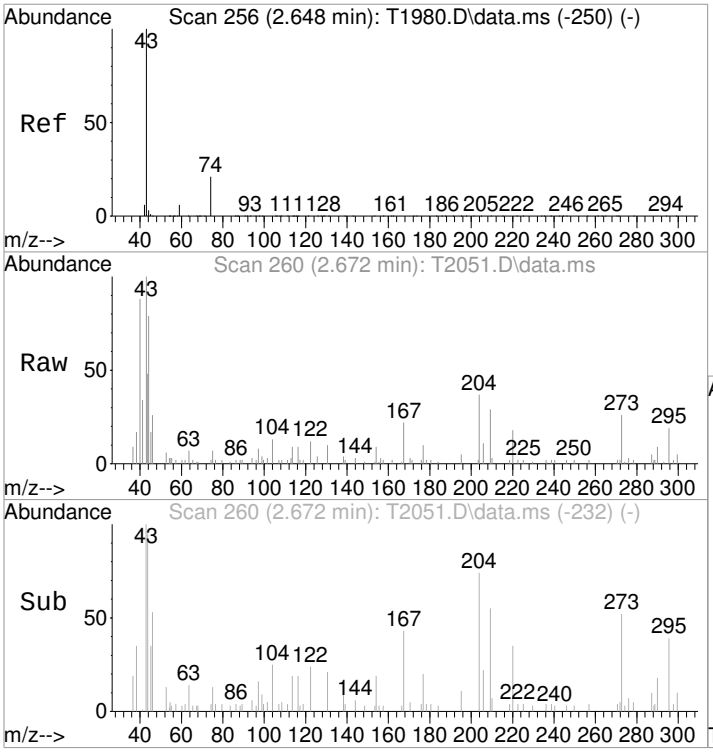


#18
Carbon Disulfide
Concen: 5.20 ug/L
RT: 2.483 min Scan# 229
Delta R.T. -0.000 min
Lab File: T2051.D
Acq: 21 Sep 2020 6:22 pm

Tgt Ion: 76 Resp: 33564

Ion	Ratio	Lower	Upper
76	100		
78	11.9	0.0	29.6
77	3.0	0.0	22.5

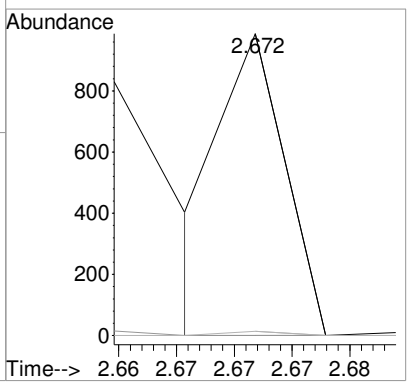


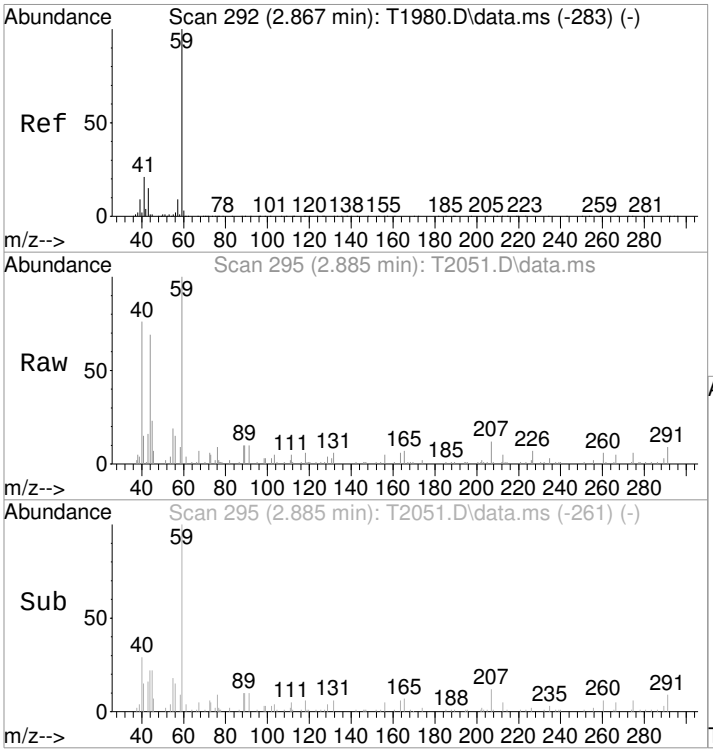


#21
Methyl Acetate
Concen: Below Cal
RT: 2.672 min Scan# 260
Delta R.T. 0.025 min
Lab File: T2051.D
Acq: 21 Sep 2020 6:22 pm

Tgt Ion: 43 Resp: 361

Ion	Ratio	Lower	Upper
43	100		
59	0.0	0.0	26.4
74	1.4	0.6	40.6

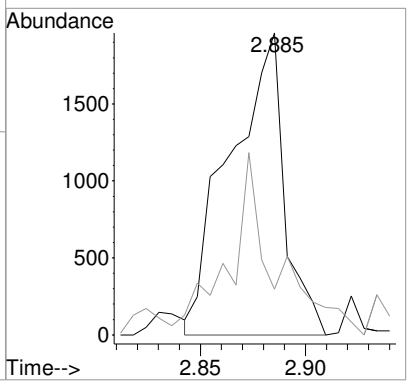


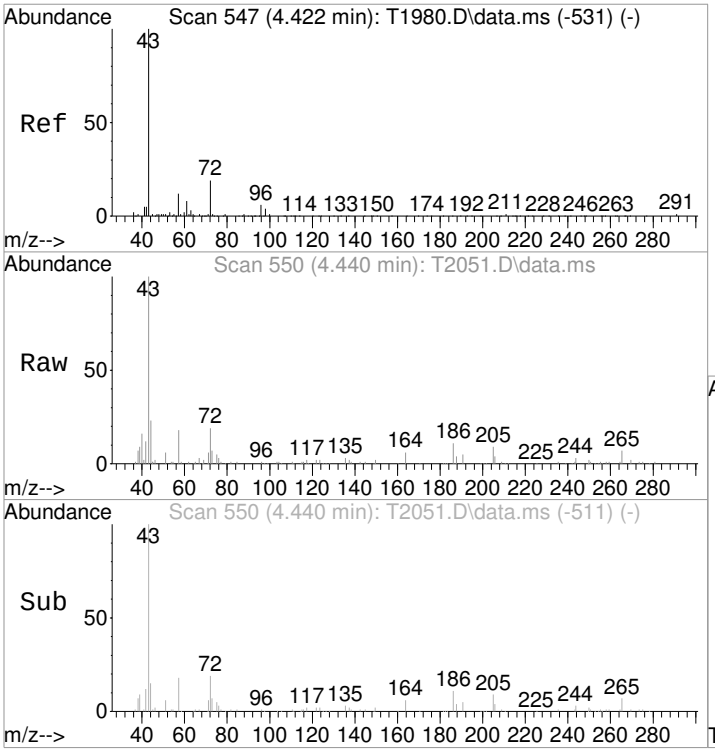


#23
TBA
Concen: 8.72 ug/L
RT: 2.885 min Scan# 295
Delta R.T. 0.018 min
Lab File: T2051.D
Acq: 21 Sep 2020 6:22 pm

Tgt Ion: 59 Resp: 3530

Ion	Ratio	Lower	Upper
59	100		
41	15.1	0.8	40.8

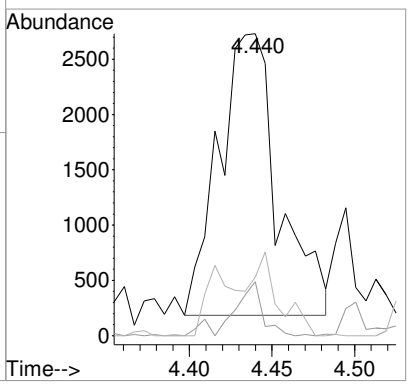


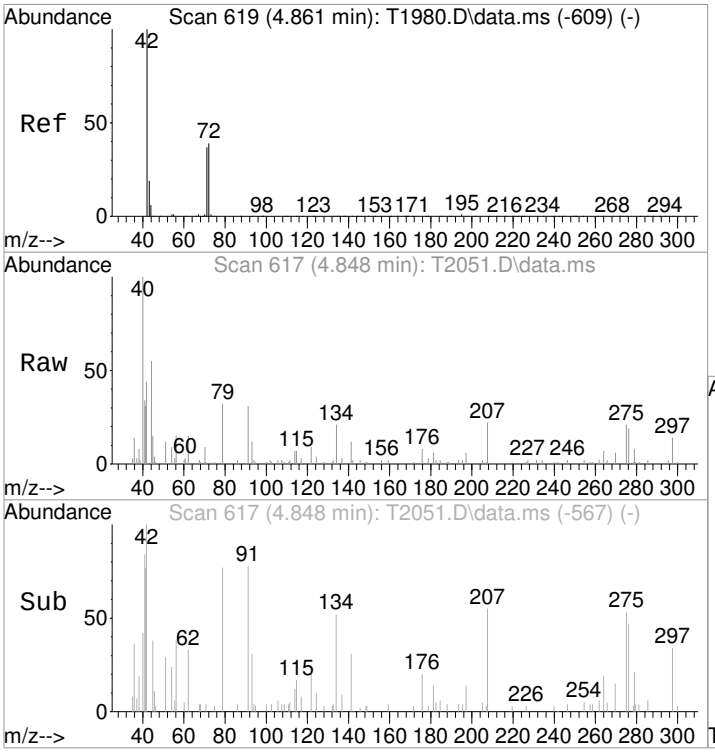


#34
2-Butanone
Concen: 3.77 ug/L
RT: 4.440 min Scan# 550
Delta R.T. 0.018 min
Lab File: T2051.D
Acq: 21 Sep 2020 6:22 pm

Tgt Ion: 43 Resp: 6399

Ion	Ratio	Lower	Upper
43	100		
57	17.9	0.0	32.7
72	19.3	0.0	39.4

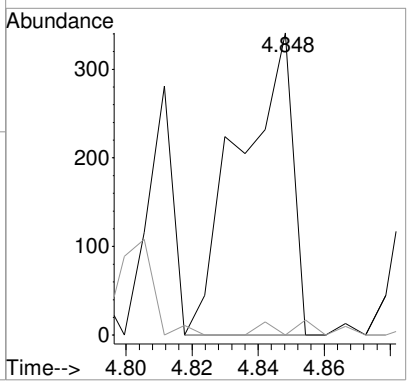


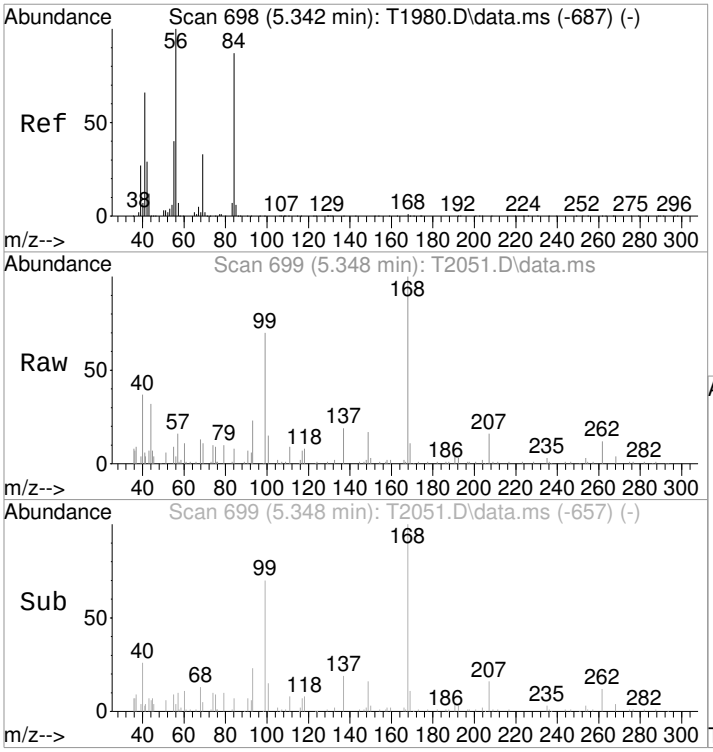


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.848 min Scan# 617
Delta R.T. -0.012 min
Lab File: T2051.D
Acq: 21 Sep 2020 6:22 pm

Tgt Ion: 42 Resp: 383

Ion	Ratio	Lower	Upper
42	100		
72	0.0	18.3	58.3#

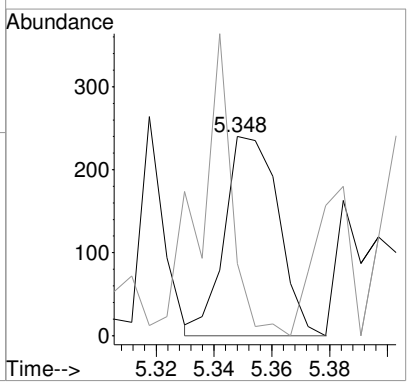


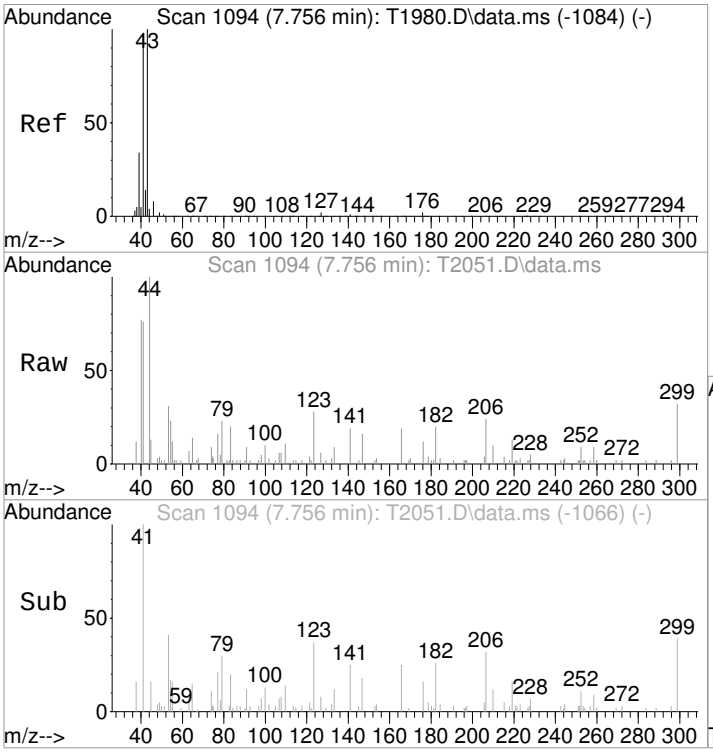


#42
Cyclohexane
Concen: Below Cal
RT: 5.348 min Scan# 699
Delta R.T. 0.006 min
Lab File: T2051.D
Acq: 21 Sep 2020 6:22 pm

Tgt Ion: 41 Resp: 308

Ion	Ratio	Lower	Upper
41	100		
39	36.3	21.9	61.9

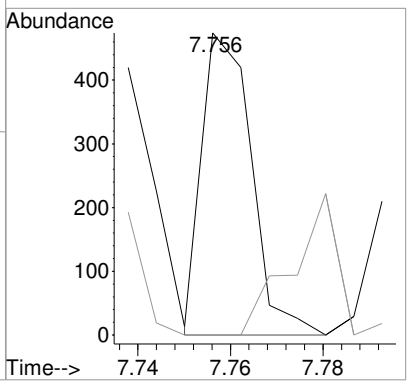




#60
2-Nitropropane
Concen: Below Cal
RT: 7.756 min Scan# 1094
Delta R.T. 0.000 min
Lab File: T2051.D
Acq: 21 Sep 2020 6:22 pm

Tgt Ion: 41 Resp: 354

Ion	Ratio	Lower	Upper
41	100		
43	0.0	84.5	124.5#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2033.D
Acq On : 21 Sep 2020 11:50 am
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 17:35:06 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

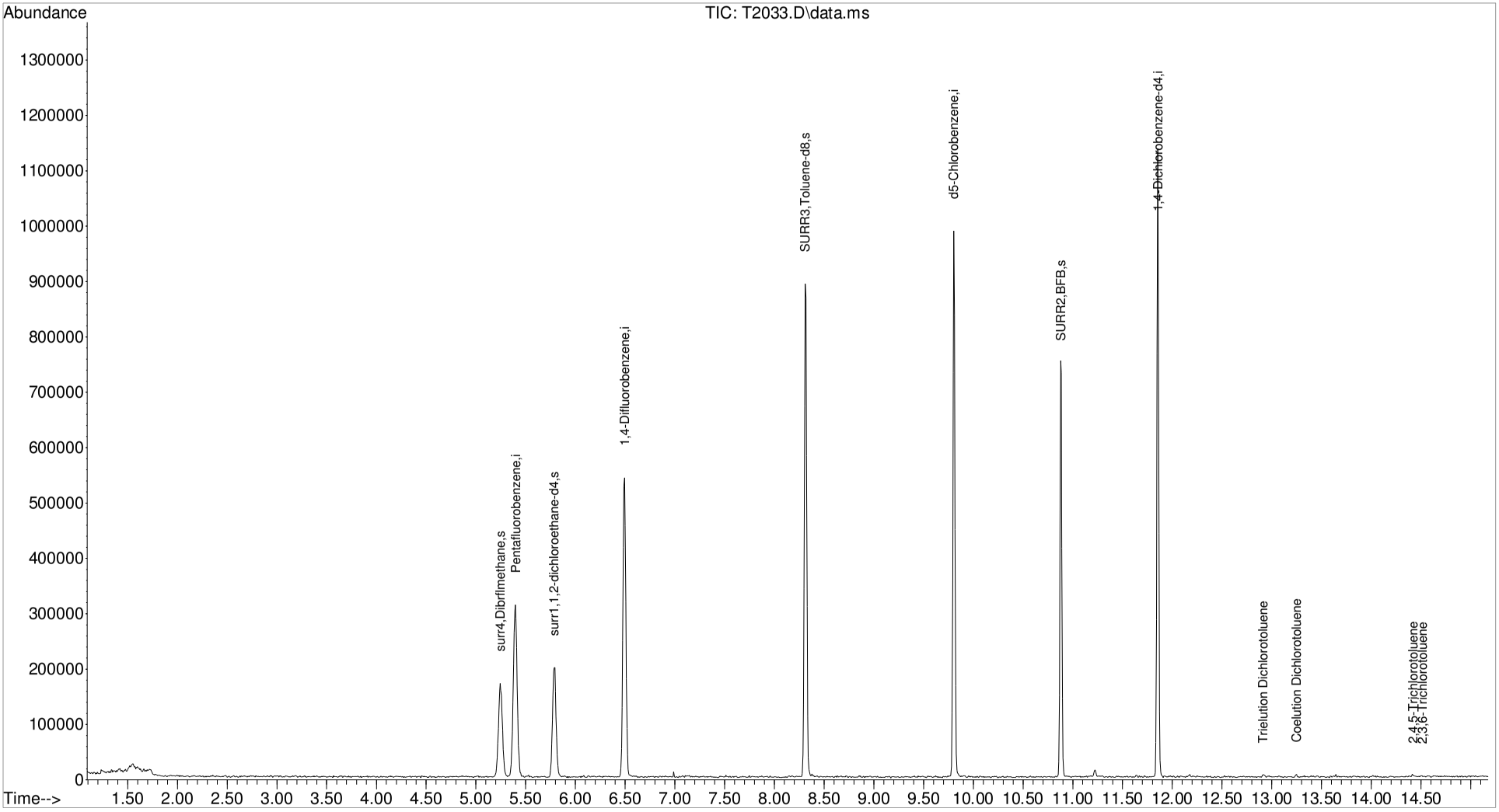
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	279478	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.494	114	449347	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	412654	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	206168	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	136079	49.86	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.72%				
46) surr1,1,2-dichloroetha...	5.787	65	167678	51.73	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.46%				
64) SURR3,Toluene-d8	8.311	98	538673	51.35	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.70%				
69) SURR2,BFB	10.884	95	199213	48.18	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.36%				
Target Compounds							Qvalue
10) Freon 123a	2.026	67	432	Below Cal		#	20
21) Methyl Acetate	2.678	43	515	Below Cal			70
37) Methacrylonitrile	4.720	67	368	Below Cal		#	40
38) Tetrahydrofuran	4.879	42	1349	Below Cal		#	53
42) Cyclohexane	5.427	41	264	Below Cal			77
58) Methyl Methacrylate	7.262	69	282	Below Cal		#	21
60) 2-Nitropropane	7.750	41	488	Below Cal		#	36
111) Trielution Dichlorotol...	12.908	125	1881	0.41	ug/L		73
113) Coelution Dichlorotoluene	13.249	125	1850	0.36	ug/L	#	64
118) 2,4,5-Trichlorotoluene	14.419	159	677	0.66	ug/L	#	55
119) 2,3,6-Trichlorotoluene	14.511	159	546	0.26	ug/L	#	30

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

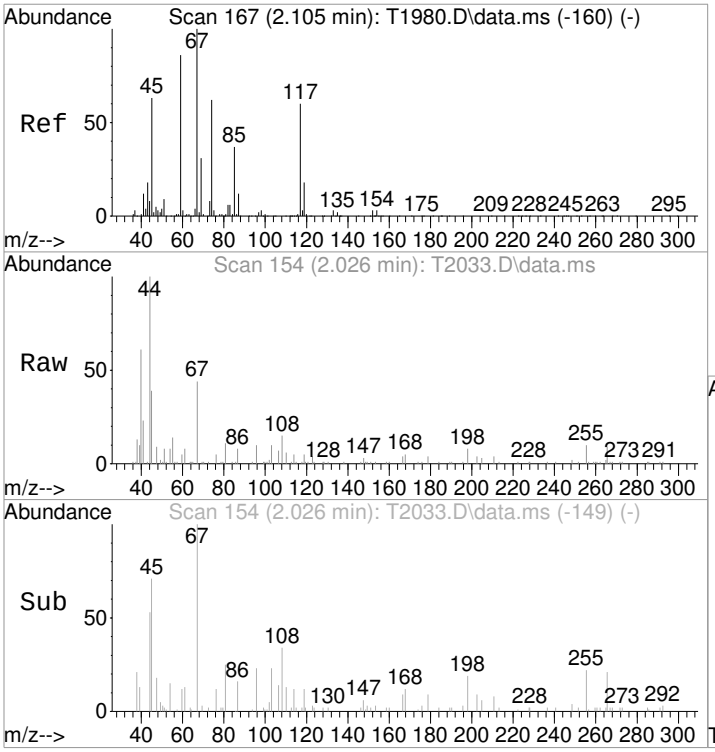
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2033.D
Acq On : 21 Sep 2020 11:50 am
Operator : F.NAEGLER
Sample : MBLK-UNP Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 17:35:06 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



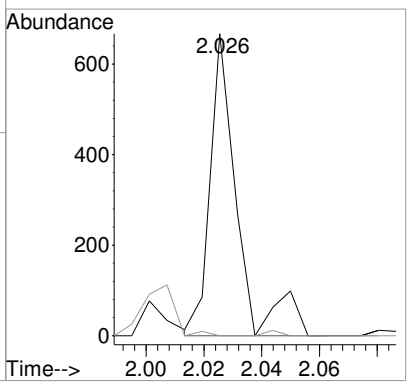
1st FJ 09/22/20

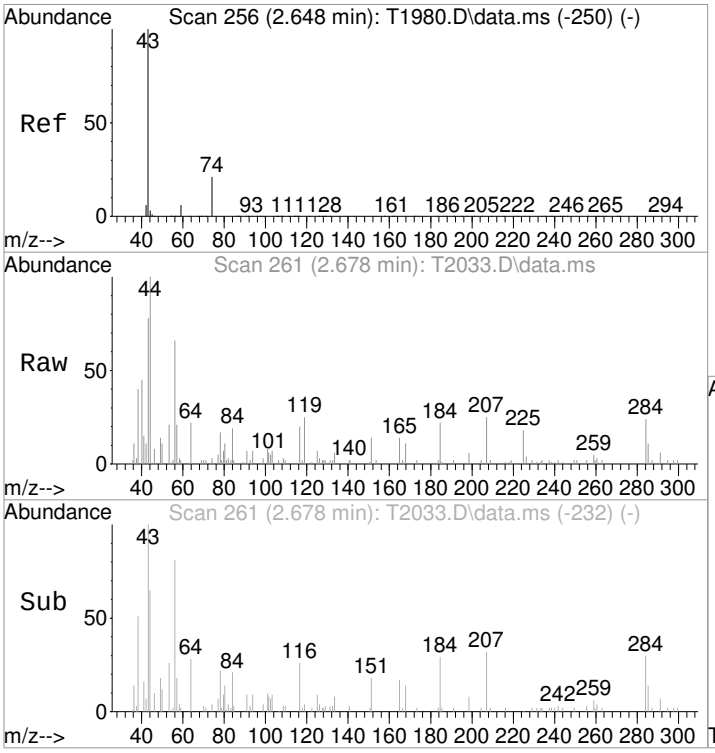


#10
Freon 123a
Concen: Below Cal
RT: 2.026 min Scan# 154
Delta R.T. -0.079 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 67 Resp: 432

Ion	Ratio	Lower	Upper
67	100		
117	0.0	40.7	80.7#

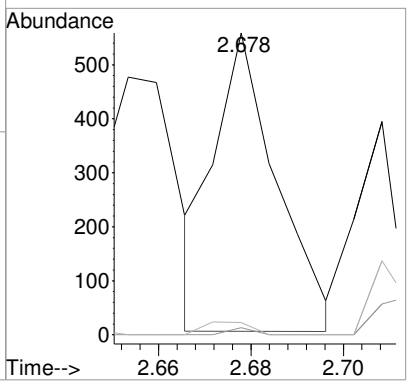


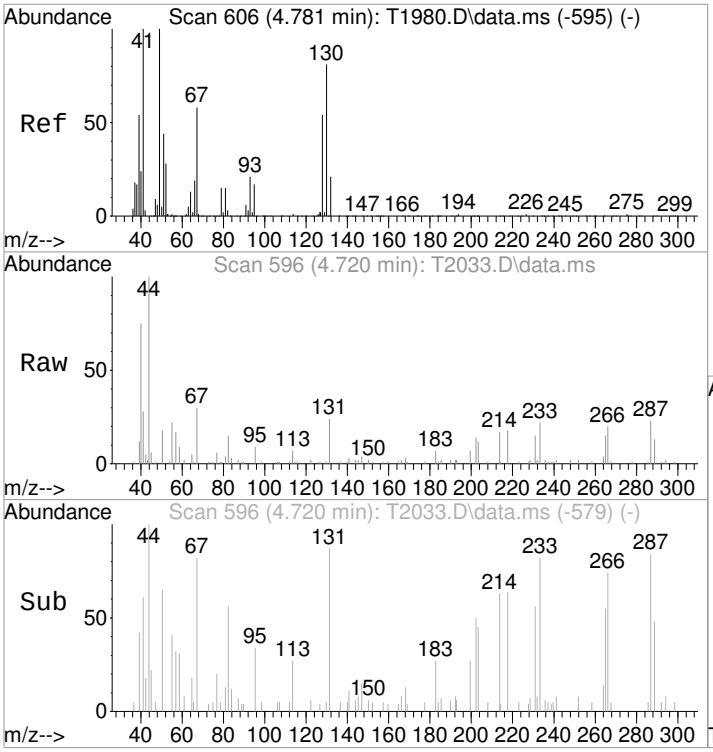


#21
Methyl Acetate
Concen: Below Cal
RT: 2.678 min Scan# 261
Delta R.T. 0.031 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 43 Resp: 515

Ion	Ratio	Lower	Upper
43	100		
59	2.3	0.0	26.4
74	4.1	0.6	40.6

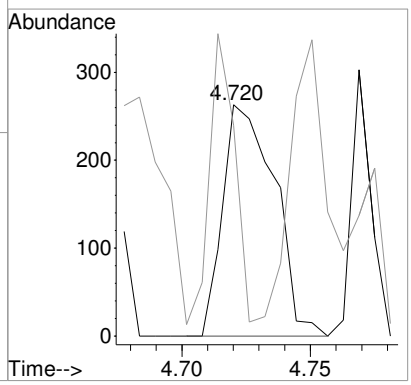


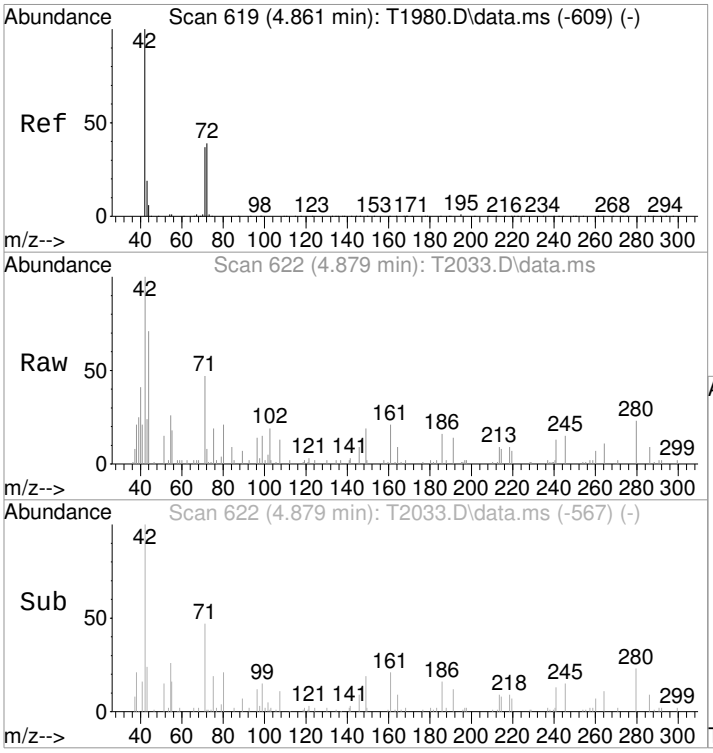


#37
Methacrylonitrile
Concen: Below Cal
RT: 4.720 min Scan# 596
Delta R.T. -0.061 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 67 Resp: 368

Ion	Ratio	Lower	Upper
67	100		
41	91.3	154.0	194.0#

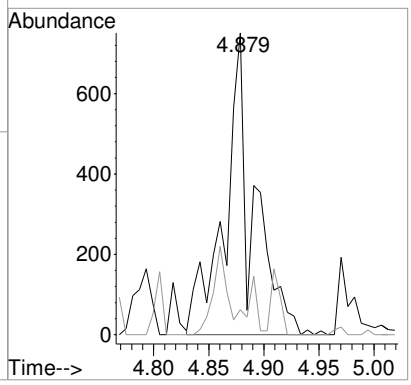


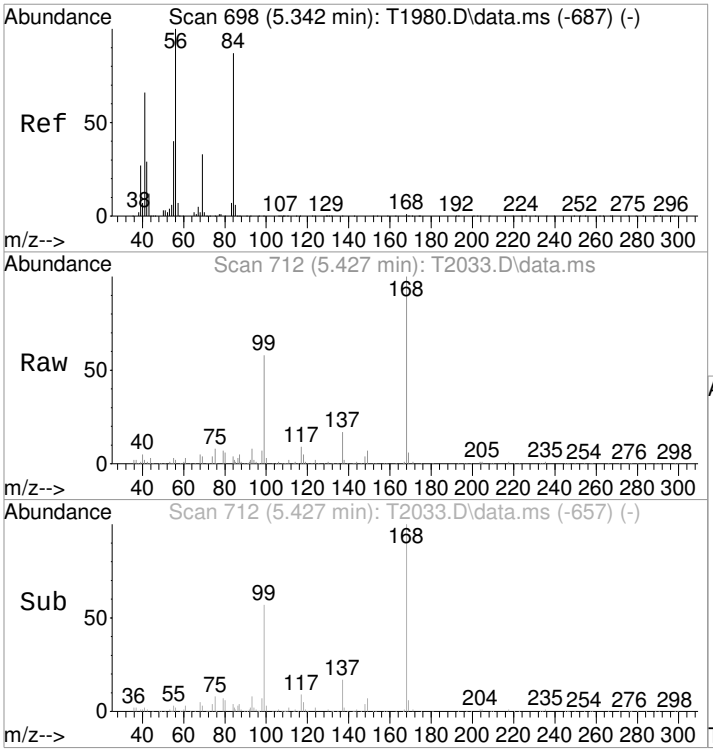


#38
Tetrahydrofuran
Concen: Below Cal
RT: 4.879 min Scan# 622
Delta R.T. 0.019 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 42 Resp: 1349

Ion	Ratio	Lower	Upper
42	100		
72	9.6	18.3	58.3#

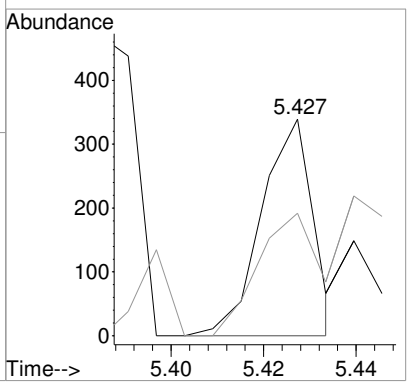


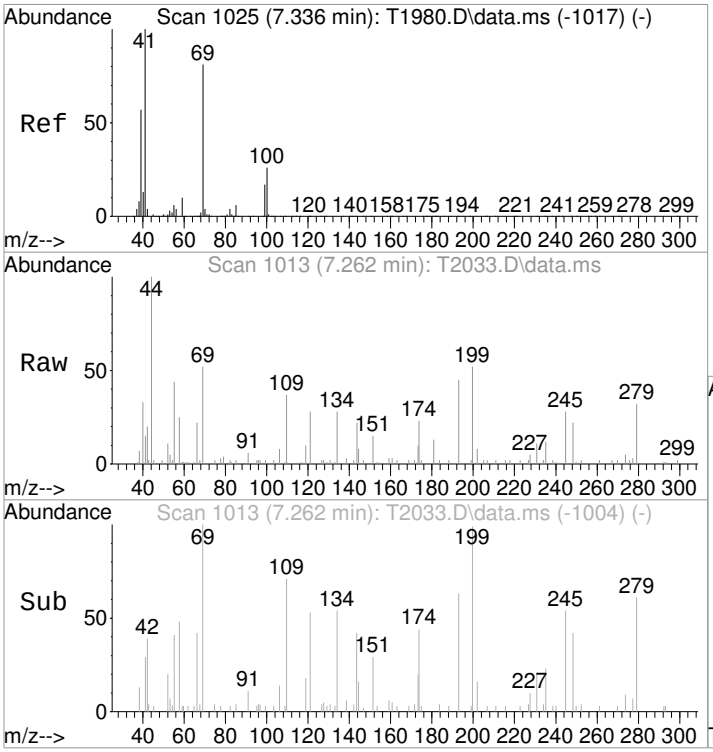


#42
Cyclohexane
Concen: Below Cal
RT: 5.427 min Scan# 712
Delta R.T. 0.085 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 41 Resp: 264

Ion	Ratio	Lower	Upper
41	100		
39	56.6	21.9	61.9

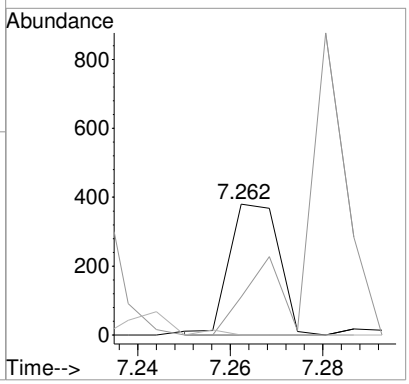


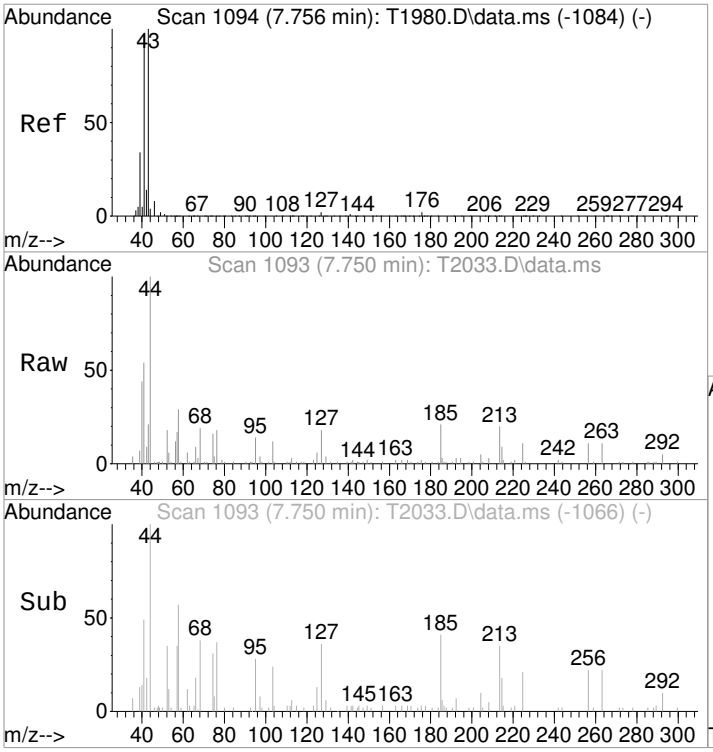


#58
Methyl Methacrylate
Concen: Below Cal
RT: 7.262 min Scan# 1013
Delta R.T. -0.073 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 69 Resp: 282

Ion	Ratio	Lower	Upper
69	100		
41	29.2	105.7	145.7#
100	0.0	12.5	52.5#

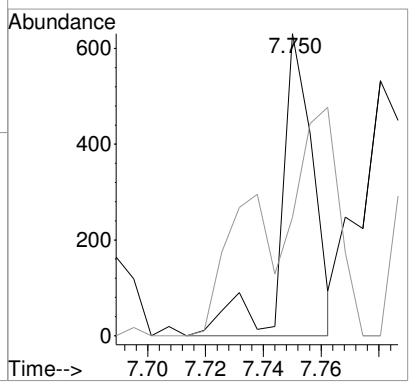


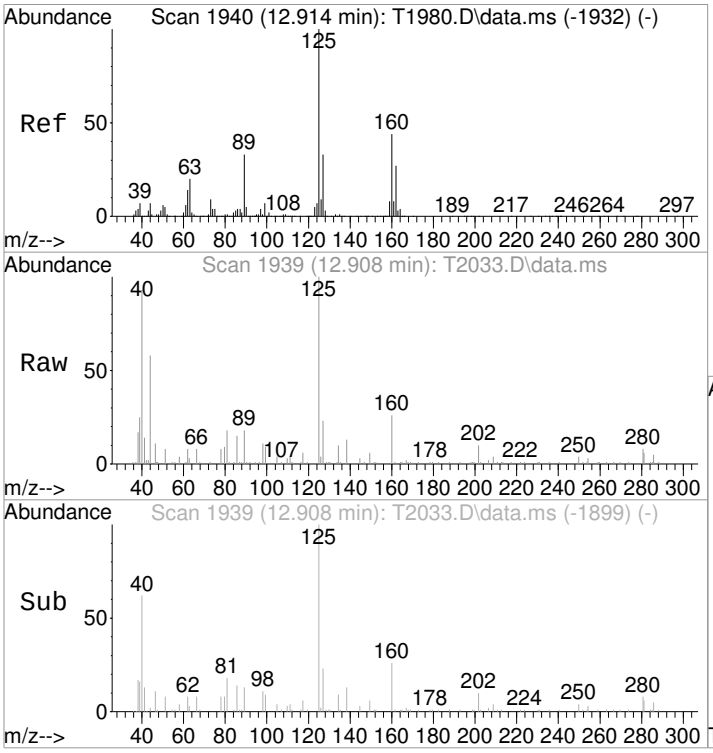


#60
2-Nitropropane
Concen: Below Cal
RT: 7.750 min Scan# 1093
Delta R.T. -0.006 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion: 41 Resp: 488

Ion	Ratio	Lower	Upper
41	100		
43	39.1	84.5	124.5#

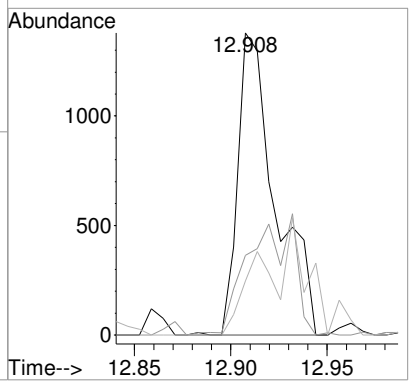


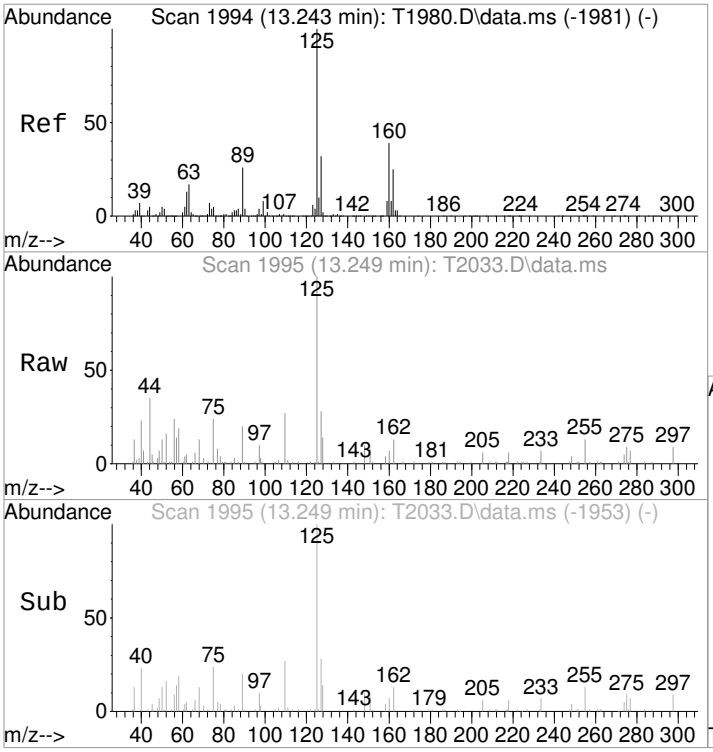


#111
Trielution Dichlorotoluene
Concen: 0.41 ug/L
RT: 12.908 min Scan# 1939
Delta R.T. -0.006 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion:125 Resp: 1881

Ion	Ratio	Lower	Upper
125	100		
160	26.4	24.5	64.5
89	17.9	12.9	52.9

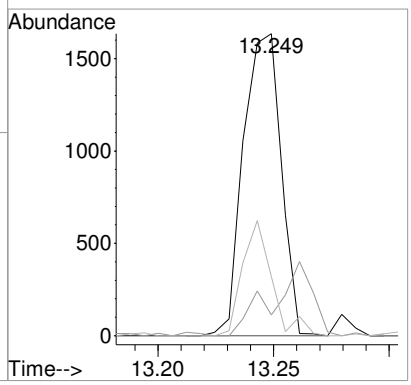


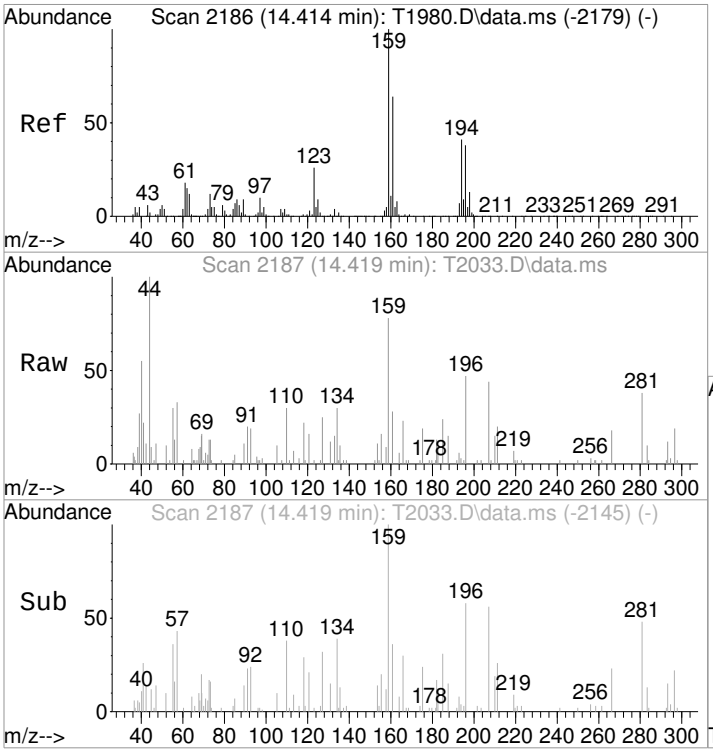


#113
Coelution Dichlorotoluene
Concen: 0.36 ug/L
RT: 13.249 min Scan# 1995
Delta R.T. 0.006 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion:125 Resp: 1850

Ion	Ratio	Lower	Upper
125	100		
160	6.9	18.9	58.9#
89	20.4	6.1	46.1

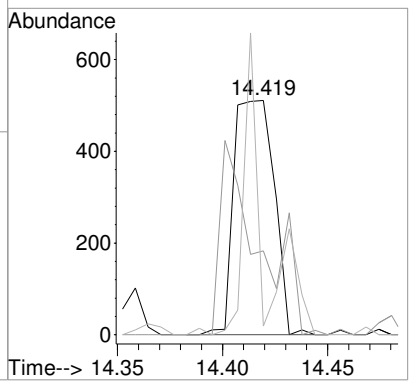


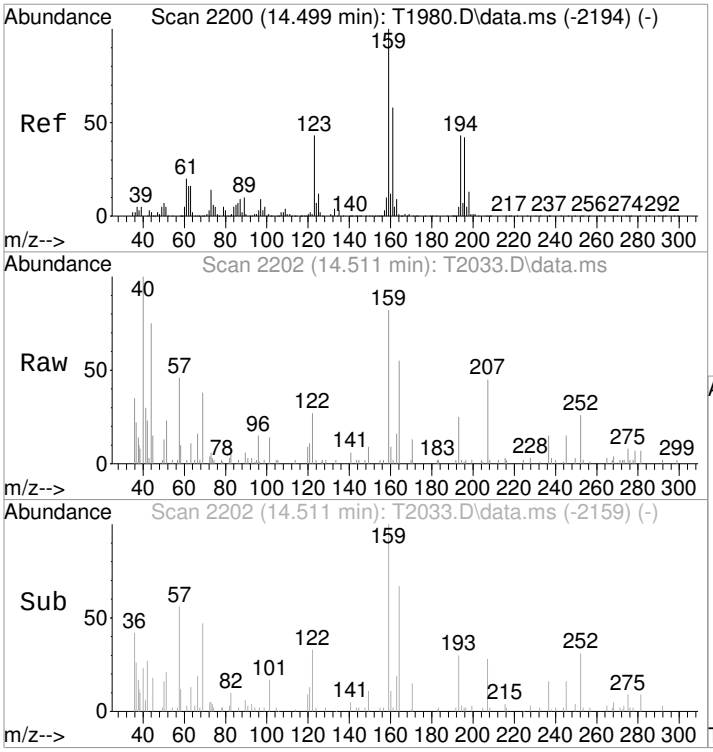


#118
2,4,5-Trichlorotoluene
Concen: 0.66 ug/L
RT: 14.419 min Scan# 2187
Delta R.T. 0.006 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion:159 Resp: 677

Ion	Ratio	Lower	Upper
159	100		
161	35.8	43.8	83.8#
194	3.7	20.8	60.8#

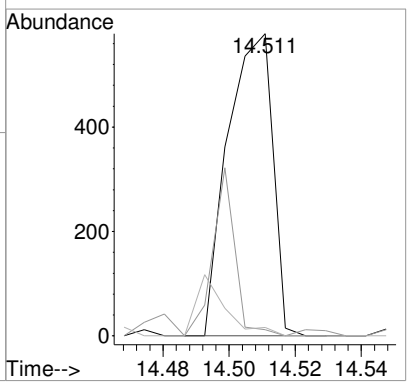




#119
2,3,6-Trichlorotoluene
Concen: 0.26 ug/L
RT: 14.511 min Scan# 2202
Delta R.T. 0.012 min
Lab File: T2033.D
Acq: 21 Sep 2020 11:50 am

Tgt Ion:159 Resp: 546

Ion	Ratio	Lower	Upper
159	100		
161	2.1	37.8	77.8#
194	2.8	22.8	62.8#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2030.D
Acq On : 21 Sep 2020 10:31 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 10:58:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	306889	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	481351	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	438918	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	237064	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	148191	50.69	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.38%			
46) surr1,1,2-dichloroetha...	5.781	65	177426	51.09	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.18%			
64) SURR3,Toluene-d8	8.311	98	574529	51.13	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.26%			
69) SURR2,BFB	10.877	95	218199	49.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	77174	24.34	ug/L	97
3) Chloromethane	1.282	50	93220	21.17	ug/L	99
4) Vinyl Chloride	1.361	62	81567	21.97	ug/L	93
5) Bromomethane	1.587	94	54491	18.38	ug/L	97
6) Chloroethane	1.666	64	41095	17.94	ug/L	95
7) Freon 21	1.818	67	110648	18.87	ug/L	98
8) Trichlorofluoromethane	1.861	101	89199	19.81	ug/L	94
9) Diethyl Ether	2.099	59	58772	19.46	ug/L	82
10) Freon 123a	2.105	67	60404	18.14	ug/L	94
11) Freon 123	2.154	83	71558	17.46	ug/L	93
12) Acrolein	2.202	56	30818	33.08	ug/L	96
13) 1,1-Diclethene	2.288	96	53945	23.68	ug/L	96
14) Freon 113	2.294	101	55003	19.80	ug/L	98
15) Acetone	2.330	43	28009	18.58	ug/L	98
16) 2-Propanol	2.464	45	131251	362.76	ug/L	96
17) Iodomethane	2.422	142	76313	19.87	ug/L	94
18) Carbon Disulfide	2.483	76	177867	20.97	ug/L	99
19) Acetonitrile	2.586	41	64283	95.78	ug/L	91
20) Allyl Chloride	2.623	76	33328	19.63	ug/L	97
21) Methyl Acetate	2.647	43	74336	19.60	ug/L	97
22) Methylene Chloride	2.739	84	63340	19.25	ug/L	91
23) TBA	2.867	59	193106	363.13	ug/L	98
24) Acrylonitrile	2.995	53	154224	95.26	ug/L	96
25) Methyl-t-Butyl Ether	3.044	73	194827	20.68	ug/L	99
26) trans-1,2-Dichloroethene	3.031	96	57569	22.41	ug/L	89
27) 1,1-Diclethane	3.525	63	111363	20.91	ug/L	87
28) Vinyl Acetate	3.623	86	13403	22.84	ug/L #	86
29) DIPE	3.653	45	225810	21.20	ug/L	92
30) 2-Chloro-1,3-Butadiene	3.653	53	93113	18.50	ug/L	93
31) ETBE	4.190	59	188202	20.85	ug/L	98
32) 2,2-Dichloropropane	4.367	77	88032	20.44	ug/L	93
33) cis-1,2-Dichloroethene	4.373	96	60639	19.62	ug/L #	75
34) 2-Butanone	4.421	43	42893	19.25	ug/L	84
35) Propionitrile	4.507	54	59844	87.76	ug/L	75
36) Bromochloromethane	4.775	130	39798	19.60	ug/L #	83
37) Methacrylonitrile	4.775	67	34652	20.78	ug/L	90
38) Tetrahydrofuran	4.860	42	27887	16.68	ug/L	82
39) Chloroform	4.952	83	100932	19.56	ug/L	93
40) 1,1,1-Trichloroethane	5.257	97	83381	19.16	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2030.D
Acq On : 21 Sep 2020 10:31 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 10:58:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	59274	18.94	ug/L		98
44) Carbontetrachloride	5.531	117	67992	19.37	ug/L		96
45) 1,1-Dichloropropene	5.543	75	75592	19.64	ug/L		94
47) Benzene	5.866	78	241717	20.65	ug/L		99
48) 1,2-Dichloroethane	5.903	62	79822	18.91	ug/L		96
49) Iso-Butyl Alcohol	5.878	43	86434	343.80	ug/L		84
50) TAME	6.104	73	191653	21.61	ug/L		97
51) n-Heptane	6.360	43	86445	20.90	ug/L		96
52) 1-Butanol	6.848	56	123981	877.09	ug/L		100
53) Trichloroethene	6.817	130	53980	18.74	ug/L		97
54) Methylcyclohexane	7.055	55	77648	18.97	ug/L		86
55) 1,2-Diclpropane	7.104	63	63114	18.62	ug/L		95
56) Dibromomethane	7.250	93	40257	18.13	ug/L		87
57) 1,4-Dioxane	7.305	88	20703	340.81	ug/L		95
58) Methyl Methacrylate	7.329	69	50569	19.20	ug/L		91
59) Bromodichloromethane	7.476	83	76706	18.36	ug/L		99
60) 2-Nitropropane	7.750	41	41289	39.15	ug/L		94
61) 2-Chloroethylvinyl Ether	7.884	63	31634	20.64	ug/L		96
62) cis-1,3-Dichloropropene	8.018	75	94191	19.45	ug/L		95
63) 4-Methyl-2-pentanone	8.226	43	84417	18.88	ug/L		98
65) Toluene	8.384	91	251406	19.98	ug/L		96
66) trans-1,3-Dichloropropene	8.658	75	84599	18.36	ug/L		92
67) Ethyl Methacrylate	8.799	69	86217	17.23	ug/L		98
68) 1,1,2-Trichloroethane	8.847	97	53995	18.06	ug/L		96
71) Tetrachloroethene	8.982	164	41300	17.93	ug/L		96
72) 2-Hexanone	9.140	43	59539	18.87	ug/L		98
73) 1,3-Dichloropropane	9.012	76	89955	18.46	ug/L		91
74) Dibromochloromethane	9.238	129	62415	19.67	ug/L		96
75) N-Butyl Acetate	9.292	43	123746	17.80	ug/L		98
76) 1,2-Dibromoethane	9.335	107	57688	18.01	ug/L		95
77) 3-Chlorobenzotrifluoride	9.847	180	80406	19.35	ug/L		98
78) Chlorobenzene	9.829	112	156462	19.67	ug/L		97
79) 4-Chlorobenzotrifluoride	9.902	180	72452	20.45	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.920	131	53963	18.90	ug/L		93
81) Ethylbenzene	9.951	106	80712	19.70	ug/L	#	84
82) (m+p)Xylene	10.067	106	206809	41.74	ug/L		95
83) o-Xylene	10.420	106	101595	19.81	ug/L		95
84) Styrene	10.432	104	165994	19.56	ug/L		92
85) Bromoform	10.585	173	41289	16.66	ug/L		94
86) 2-Chlorobenzotrifluoride	10.664	180	75905	18.98	ug/L		90
87) Isopropylbenzene	10.756	105	256243	20.75	ug/L		99
88) Cyclohexanone	10.817	55	251153	345.63	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.066	53	19320	17.15	ug/L		83
91) 1,1,2,2-Tetrachloroethane	11.018	83	87526	20.25	ug/L		95
92) Bromobenzene	11.006	156	68567	18.79	ug/L		94
93) 1,2,3-Trichloropropane	11.048	110	21410	17.93	ug/L	#	84
94) n-Propylbenzene	11.109	91	313188	21.19	ug/L		92
95) 2-Chlorotoluene	11.176	91	190738	19.97	ug/L		95
96) 3-Chlorotoluene	11.231	91	193299	19.66	ug/L		95
97) 4-Chlorotoluene	11.268	91	206970	19.41	ug/L		93
98) 1,3,5-Trimethylbenzene	11.268	105	218246	21.02	ug/L		96
99) tert-Butylbenzene	11.536	119	184519	20.63	ug/L		91
100) 1,2,4-Trimethylbenzene	11.579	105	226275	21.82	ug/L		97
101) 3,4-Dichlorobenzotrifl...	11.640	214	63478	18.05	ug/L		93
102) sec-Butylbenzene	11.719	105	274837	21.14	ug/L		99
103) p-Isopropyltoluene	11.841	119	226379	21.00	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2030.D
Acq On : 21 Sep 2020 10:31 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 10:58:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

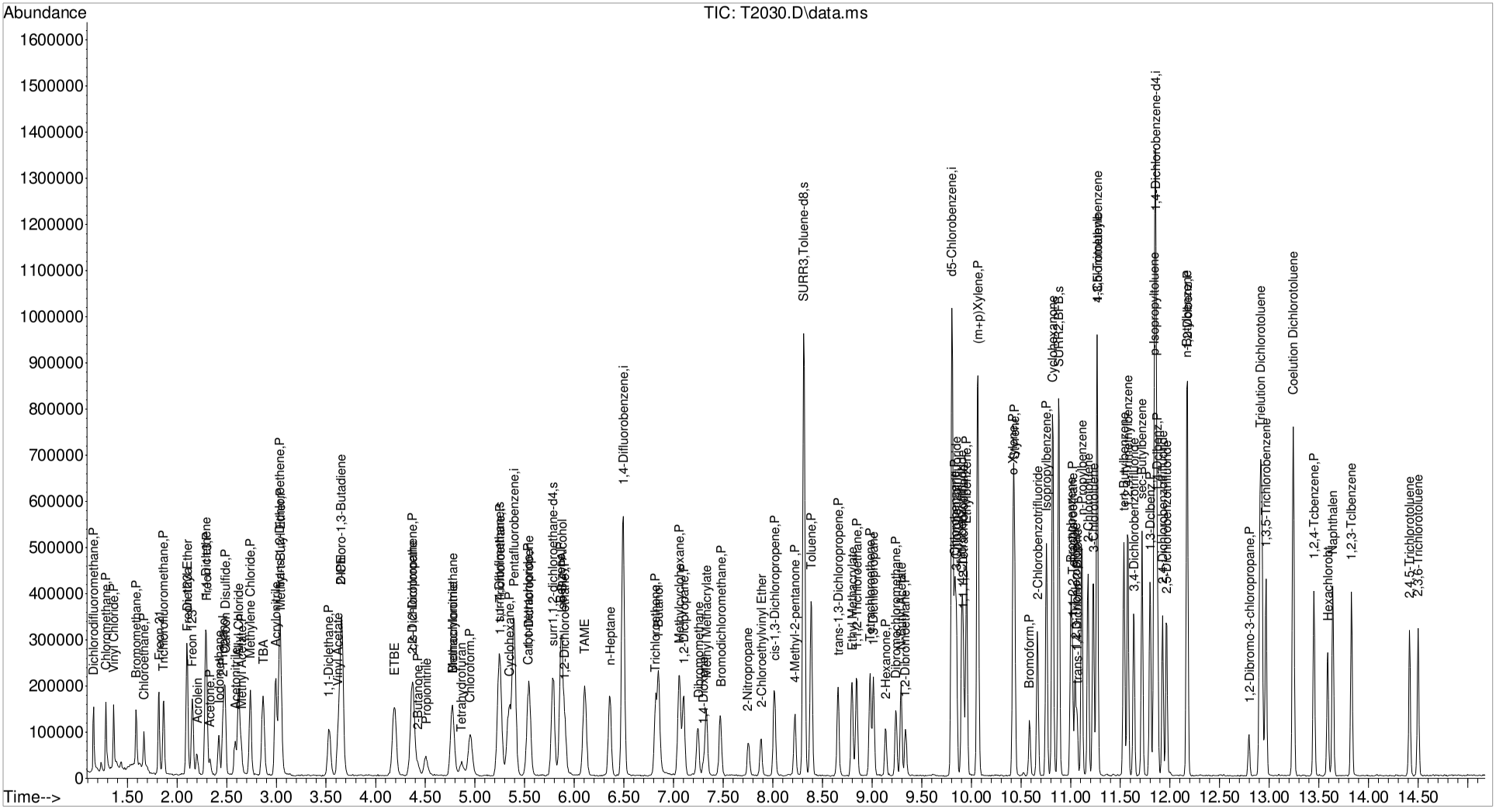
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.798	146	129520	19.61	ug/L		92
105) 1,4-Dclbenz	11.871	146	128795	18.42	ug/L		99
106) 2,4-Dichlorobenzotrifl...	11.926	214	56768	18.69	ug/L		95
107) 2,5-Dichlorobenzotrifl...	11.969	214	64063	18.27	ug/L		97
108) n-Butylbenzene	12.170	91	209301	20.63	ug/L		97
109) 1,2-Dclbenz	12.176	146	120388	18.44	ug/L		99
110) 1,2-Dibromo-3-chloropr...	12.798	157	17588	15.91	ug/L	#	70
111) Trielution Dichlorotol...	12.914	125	333516	62.54	ug/L		93
112) 1,3,5-Trichlorobenzene	12.969	180	90631	19.20	ug/L		91
113) Coelution Dichlorotoluene	13.243	125	237519	40.05	ug/L		95
114) 1,2,4-Tcbenzene	13.450	180	88998	19.17	ug/L		93
115) Hexachlorobt	13.590	225	38017	18.89	ug/L		84
116) Naphthalen	13.639	128	238172	20.64	ug/L		96
117) 1,2,3-Tclbenzene	13.828	180	84429	19.27	ug/L		96
118) 2,4,5-Trichlorotoluene	14.413	159	58036	21.15	ug/L		90
119) 2,3,6-Trichlorotoluene	14.499	159	54359	22.44	ug/L		90

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2030.D
Acq On : 21 Sep 2020 10:31 am
Operator : F.NAEGLER
Sample : LCS-UNP Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 10:58:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



1st FJ 09/21/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	118	0.00
2	P	Dichlorodifluoromethane	50.000	54.659	-9.3	114	0.00
3	P	Chloromethane	50.000	52.641	-5.3	121	0.00
4	P	Vinyl Chloride	50.000	56.379	-12.8	123	0.00
5	P	Bromomethane	50.000	43.822	12.4	125	0.00
6	P	Chloroethane	50.000	45.892	8.2	130	0.00
7		Freon 21	50.000	50.527	-1.1	134	0.00
8	P	Trichlorofluoromethane	50.000	46.489	7.0	111	0.00
9		Diethyl Ether	50.000	47.646	4.7	124	0.00
10		Freon 123a	50.000	54.761	-9.5	135	0.00
11		Freon 123	50.000	48.534	2.9	130	0.00
12		Acrolein	250.000	217.065	13.2	111	0.00
13		1,1-Diclethene	50.000	47.376	5.2	120	0.00
14	P	Freon 113	50.000	45.790	8.4	114	0.00
15	P	Acetone	50.000	45.061	9.9	112	0.00
16		2-Propanol	1000.000	874.194	12.6	109	0.00
17		Iodomethane	50.000	48.724	2.6	110	0.00
18	P	Carbon Disulfide	50.000	47.237	5.5	106	0.00
19		Acetonitrile	250.000	226.160	9.5	119	0.00
20		Allyl Chloride	50.000	47.021	6.0	116	0.00
21	P	Methyl Acetate	50.000	46.315	7.4	114	0.00
22	P	Methylene Chloride	50.000	48.592	2.8	123	0.00
23		TBA	1000.000	862.241	13.8	108	0.00
24		Acrylonitrile	250.000	248.765	0.5	118	0.00
25	P	Methyl-t-Butyl Ether	50.000	49.985	0.0	118	0.00
26	P	trans-1,2-Dichloroethene	50.000	47.764	4.5	114	0.00
27	P	1,1-Diclethane	50.000	50.278	-0.6	116	0.00
28		Vinyl Acetate	50.000	52.191	-4.4	137	0.00
29		DIPE	50.000	49.833	0.3	126	0.00
30		2-Chloro-1,3-Butadiene	50.000	42.943	14.1	105	0.00
31		ETBE	50.000	52.306	-4.6	121	-0.01
32		2,2-Dichloropropane	50.000	50.337	-0.7	122	0.00
33	P	cis-1,2-Dichloroethene	50.000	46.544	6.9	108	0.00
34	P	2-Butanone	50.000	43.756	12.5	109	0.00
35		Propionitrile	250.000	227.097	9.2	111	0.00
36		Bromochloromethane	50.000	49.358	1.3	119	0.00
37		Methacrylonitrile	50.000	46.469	7.1	113	0.00
38		Tetrahydrofuran	50.000	40.035	19.9	99	0.00
39	P	Chloroform	50.000	47.934	4.1	116	0.00
40	P	1,1,1-Trichloroethane	50.000	45.201	9.6	106	0.00
41	i	1,4-Difluorobenzene	50.000	50.000	0.0	117	0.00
42	P	Cyclohexane	50.000	51.303	-2.6	131	0.00
43	s	surr4,Dibrflmethane	50.000	51.618	-3.2	123	0.00
44	P	Carbontetrachloride	50.000	47.570	4.9	104	0.00
45		1,1-Dichloropropene	50.000	47.130	5.7	110	0.00
46	s	surr1,1,2-dichloroethane-d4	50.000	50.019	-0.0	119	0.00
47	P	Benzene	50.000	49.093	1.8	113	0.00
48	P	1,2-Dichloroethane	50.000	48.905	2.2	118	0.00
49		Iso-Butyl Alcohol	1000.000	832.066	16.8	105	0.00
50		TAME	50.000	50.140	-0.3	122	0.00
51		n-Heptane	50.000	46.457	7.1	106	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	2201.518	11.9	104	0.00
53	P	Trichloroethene	50.000	47.820	4.4	108	0.00
54	P	Methylcyclohexane	50.000	48.621	2.8	137	0.00
55	P	1,2-Diclpropane	50.000	46.814	6.4	115	0.00
56		Dibromomethane	50.000	47.393	5.2	118	0.00
57		1,4-Dioxane	1000.000	823.851	17.6	105	0.00
58		Methyl Methacrylate	50.000	49.901	0.2	117	0.00
59	P	Bromodichloromethane	50.000	48.767	2.5	119	0.00
60		2-Nitropropane	100.000	98.585	1.4	114	0.00
61		2-Chloroethylvinyl Ether	50.000	45.839	8.3	118	0.00
62	P	cis-1,3-Dichloropropene	50.000	51.076	-2.2	118	0.00
63	P	4-Methyl-2-pentanone	50.000	40.801	18.4	105	0.00
64	s	SURR3,Toluene-d8	50.000	51.510	-3.0	119	0.00
65	P	Toluene	50.000	48.246	3.5	112	0.00
66	P	trans-1,3-Dichloropropene	50.000	49.162	1.7	119	0.00
67		Ethyl Methacrylate	50.000	47.119	5.8	116	0.00
68	P	1,1,2-Trichloroethane	50.000	48.262	3.5	117	0.00
69	s	SURR2,BFB	50.000	52.660	-5.3	120	0.00
70	i	d5-Chlorobenzene	50.000	50.000	0.0	116	0.00
71	P	Tetrachloroethene	50.000	45.139	9.7	107	0.00
72	P	2-Hexanone	50.000	43.282	13.4	105	0.00
73		1,3-Dichloropropane	50.000	49.134	1.7	118	0.00
74	P	Dibromochloromethane	50.000	49.340	1.3	109	0.00
75		N-Butyl Acetate	50.000	45.367	9.3	109	0.00
76	P	1,2-Dibromoethane	50.000	48.277	3.4	114	0.00
77		3-Chlorobenzotrifluoride	50.000	50.562	-1.1	124	0.00
78	P	Chlorobenzene	50.000	49.981	0.0	117	0.00
79		4-Chlorobenzotrifluoride	50.000	53.707	-7.4	127	0.00
80		1,1,1,2-Tetrachloroethane	50.000	48.947	2.1	109	0.00
81	P	Ethylbenzene	50.000	49.241	1.5	107	0.00
82	P	(m+p)Xylene	100.000	102.145	-2.1	109	0.00
83	P	o-Xylene	50.000	49.242	1.5	110	0.00
84	P	Styrene	50.000	52.127	-4.3	113	0.00
85	P	Bromoform	50.000	48.016	4.0	120	0.00
86		2-Chlorobenzotrifluoride	50.000	53.955	-7.9	123	0.00
87	P	Isopropylbenzene	50.000	50.436	-0.9	105	0.00
88		Cyclohexanone	1000.000	811.276	18.9	98	0.00
89		trans-1,4-Dichloro-2-Butene	50.000	42.522	15.0	119	0.00
90	i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	121	0.00
91	P	1,1,2,2-Tetrachloroethane	50.000	45.108	9.8	116	0.00
92		Bromobenzene	50.000	43.650	12.7	109	0.00
93		1,2,3-Trichloropropane	50.000	46.234	7.5	113	0.00
94		n-Propylbenzene	50.000	45.805	8.4	108	0.00
95		2-Chlorotoluene	50.000	44.289	11.4	110	0.00
96		3-Chlorotoluene	50.000	46.943	6.1	123	0.00
97		4-Chlorotoluene	50.000	45.451	9.1	113	0.00
98		1,3,5-Trimethylbenzene	50.000	46.955	6.1	108	0.00
99		tert-Butylbenzene	50.000	42.830	14.3	100	0.00
100		1,2,4-Trimethylbenzene	50.000	47.401	5.2	106	0.00
101		3,4-Dichlorobenzotrifluorid	50.000	46.947	6.1	124	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
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	44.596	10.8	100	0.00
103		p-Isopropyltoluene	50.000	45.126	9.7	101	0.00
104	P	1,3-Dclbenz	50.000	47.696	4.6	112	0.00
105	P	1,4-Dclbenz	50.000	46.511	7.0	113	0.00
106		2,4-Dichlorobenzotrifluorid	50.000	51.641	-3.3	129	0.00
107		2,5-Dichlorobenzotrifluorid	50.000	48.311	3.4	128	0.00
108		n-Butylbenzene	50.000	43.066	13.9	102	0.00
109	P	1,2-Dclbenz	50.000	47.705	4.6	111	0.00
110	P	1,2-Dibromo-3-chloropropane	50.000	43.014	14.0	107	0.00
111		Trielution Dichlorotoluene	150.000	153.875	-2.6	122	0.00
112		1,3,5-Trichlorobenzene	50.000	48.770	2.5	121	0.00
113		Coelution Dichlorotoluene	100.000	97.675	2.3	118	0.00
114	P	1,2,4-Tcbenzene	50.000	46.495	7.0	108	0.00
115		Hexachlorobt	50.000	38.509	23.0#	94	0.00
116		Naphthalen	50.000	48.043	3.9	107	0.00
117		1,2,3-Tclbenzene	50.000	46.638	6.7	105	0.00
118		2,4,5-Trichlorotoluene	50.000	50.888	-1.8	120	0.00
119		2,3,6-Trichlorotoluene	50.000	53.862	-7.7	115	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	336520	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	521575	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.804	117	475401	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	289480	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	163527	51.62	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.24%				
46) surr1,1,2-dichloroetha...	5.787	65	188210	50.02	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.04%				
64) SURR3,Toluene-d8	8.311	98	627223	51.51	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.02%				
69) SURR2,BFB	10.877	95	252740	52.66	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.32%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	190001	54.66	ug/L		99
3) Chloromethane	1.282	50	254128	52.64	ug/L		98
4) Vinyl Chloride	1.361	62	229537	56.38	ug/L		98
5) Bromomethane	1.587	94	142438	43.82	ug/L		99
6) Chloroethane	1.666	64	115296	45.89	ug/L		92
7) Freon 21	1.818	67	324886	50.53	ug/L		98
8) Trichlorofluoromethane	1.861	101	229533	46.49	ug/L		99
9) Diethyl Ether	2.099	59	157810	47.65	ug/L		94
10) Freon 123a	2.099	67	199393	54.76	ug/L		91
11) Freon 123	2.154	83	218143	48.53	ug/L		99
12) Acrolein	2.196	56	221777	217.06	ug/L		94
13) 1,1-Diclethene	2.288	96	118341	47.38	ug/L		94
14) Freon 113	2.294	101	139501	45.79	ug/L		94
15) Acetone	2.330	43	74482	45.06	ug/L		97
16) 2-Propanol	2.464	45	346837	874.19	ug/L		95
17) Iodomethane	2.422	142	219461	48.72	ug/L		98
18) Carbon Disulfide	2.483	76	439275	47.24	ug/L		99
19) Acetonitrile	2.580	41	166437	226.16	ug/L		97
20) Allyl Chloride	2.617	76	87563	47.02	ug/L	#	81
21) Methyl Acetate	2.641	43	183889	46.32	ug/L		99
22) Methylene Chloride	2.733	84	175310	48.59	ug/L		88
23) TBA	2.867	59	502800	862.24	ug/L		100
24) Acrylonitrile	2.989	53	441615	248.77	ug/L		91
25) Methyl-t-Butyl Ether	3.044	73	516427	49.99	ug/L		99
26) trans-1,2-Dichloroethene	3.031	96	134529	47.76	ug/L		97
27) 1,1-Diclethane	3.531	63	293601	50.28	ug/L		99
28) Vinyl Acetate	3.623	86	33577	52.19	ug/L	#	86
29) DIPE	3.659	45	582089	49.83	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.659	53	237031	42.94	ug/L		90
31) ETBE	4.184	59	517638	52.31	ug/L		96
32) 2,2-Dichloropropane	4.367	77	237737	50.34	ug/L		99
33) cis-1,2-Dichloroethene	4.379	96	157729	46.54	ug/L		91
34) 2-Butanone	4.427	43	106919	43.76	ug/L		91
35) Propionitrile	4.507	54	169801	227.10	ug/L		93
36) Bromochloromethane	4.775	130	109905	49.36	ug/L		89
37) Methacrylonitrile	4.775	67	82655	46.47	ug/L		94
38) Tetrahydrofuran	4.866	42	69359	40.03	ug/L		91
39) Chloroform	4.952	83	271291	47.93	ug/L		95
40) 1,1,1-Trichloroethane	5.257	97	215657	45.20	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Cyclohexane	5.348	41	169528	51.30 ug/L	99
44) Carbontetrachloride	5.531	117	180958	47.57 ug/L	92
45) 1,1-Dichloropropene	5.549	75	196566	47.13 ug/L	94
47) Benzene	5.866	78	622743	49.09 ug/L	98
48) 1,2-Dichloroethane	5.903	62	223657	48.91 ug/L	96
49) Iso-Butyl Alcohol	5.878	43	226667	832.07 ug/L	88
50) TAME	6.104	73	481857	50.14 ug/L	95
51) n-Heptane	6.360	43	208242	46.46 ug/L	96
52) 1-Butanol	6.848	56	337200	2201.52 ug/L	95
53) Trichloroethene	6.823	130	149232	47.82 ug/L	93
54) Methylcyclohexane	7.055	55	215674	48.62 ug/L	90
55) 1,2-Diclpropane	7.098	63	171964	46.81 ug/L	94
56) Dibromomethane	7.244	93	114057	47.39 ug/L	84
57) 1,4-Dioxane	7.299	88	54228	823.85 ug/L	87
58) Methyl Methacrylate	7.329	69	140694	49.90 ug/L	93
59) Bromodichloromethane	7.470	83	220724	48.77 ug/L	94
60) 2-Nitropropane	7.756	41	111097	98.59 ug/L	98
61) 2-Chloroethylvinyl Ether	7.884	63	76128	45.84 ug/L	98
62) cis-1,3-Dichloropropene	8.018	75	267972	51.08 ug/L	98
63) 4-Methyl-2-pentanone	8.219	43	197688	40.80 ug/L	97
65) Toluene	8.384	91	657967	48.25 ug/L	98
66) trans-1,3-Dichloropropene	8.658	75	245481	49.16 ug/L	99
67) Ethyl Methacrylate	8.799	69	255512	47.12 ug/L	97
68) 1,1,2-Trichloroethane	8.841	97	156314	48.26 ug/L	97
71) Tetrachloroethene	8.981	164	112638	45.14 ug/L	93
72) 2-Hexanone	9.134	43	147880	43.28 ug/L	87
73) 1,3-Dichloropropane	9.012	76	259377	49.13 ug/L	95
74) Dibromochloromethane	9.238	129	169549	49.34 ug/L	94
75) N-Butyl Acetate	9.292	43	341658	45.37 ug/L	99
76) 1,2-Dibromoethane	9.335	107	167444	48.28 ug/L	96
77) 3-Chlorobenzotrifluoride	9.853	180	227623	50.56 ug/L	97
78) Chlorobenzene	9.835	112	430720	49.98 ug/L	96
79) 4-Chlorobenzotrifluoride	9.908	180	206108	53.71 ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.920	131	151399	48.95 ug/L	96
81) Ethylbenzene	9.951	106	218509	49.24 ug/L	96
82) (m+p)Xylene	10.067	106	548168	102.15 ug/L	98
83) o-Xylene	10.420	106	273497	49.24 ug/L	98
84) Styrene	10.438	104	479129	52.13 ug/L	99
85) Bromoform	10.585	173	128921	48.02 ug/L	95
86) 2-Chlorobenzotrifluoride	10.664	180	233699	53.96 ug/L	93
87) Isopropylbenzene	10.756	105	674691	50.44 ug/L	97
88) Cyclohexanone	10.816	55	638525	811.28 ug/L	97
89) trans-1,4-Dichloro-2-B...	11.066	53	51895	42.52 ug/L	96
91) 1,1,2,2-Tetrachloroethane	11.018	83	238055	45.11 ug/L	93
92) Bromobenzene	11.005	156	194486	43.65 ug/L	92
93) 1,2,3-Trichloropropane	11.048	110	67417	46.23 ug/L	94
94) n-Propylbenzene	11.109	91	826659	45.81 ug/L	94
95) 2-Chlorotoluene	11.176	91	516434	44.29 ug/L	98
96) 3-Chlorotoluene	11.231	91	563512	46.94 ug/L	98
97) 4-Chlorotoluene	11.268	91	591700	45.45 ug/L	96
98) 1,3,5-Trimethylbenzene	11.268	105	595342	46.95 ug/L	97
99) tert-Butylbenzene	11.536	119	467870	42.83 ug/L	100
100) 1,2,4-Trimethylbenzene	11.579	105	600325	47.40 ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.640	214	201616	46.95 ug/L	95
102) sec-Butylbenzene	11.719	105	707911	44.60 ug/L	98
103) p-Isopropyltoluene	11.841	119	593987	45.13 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

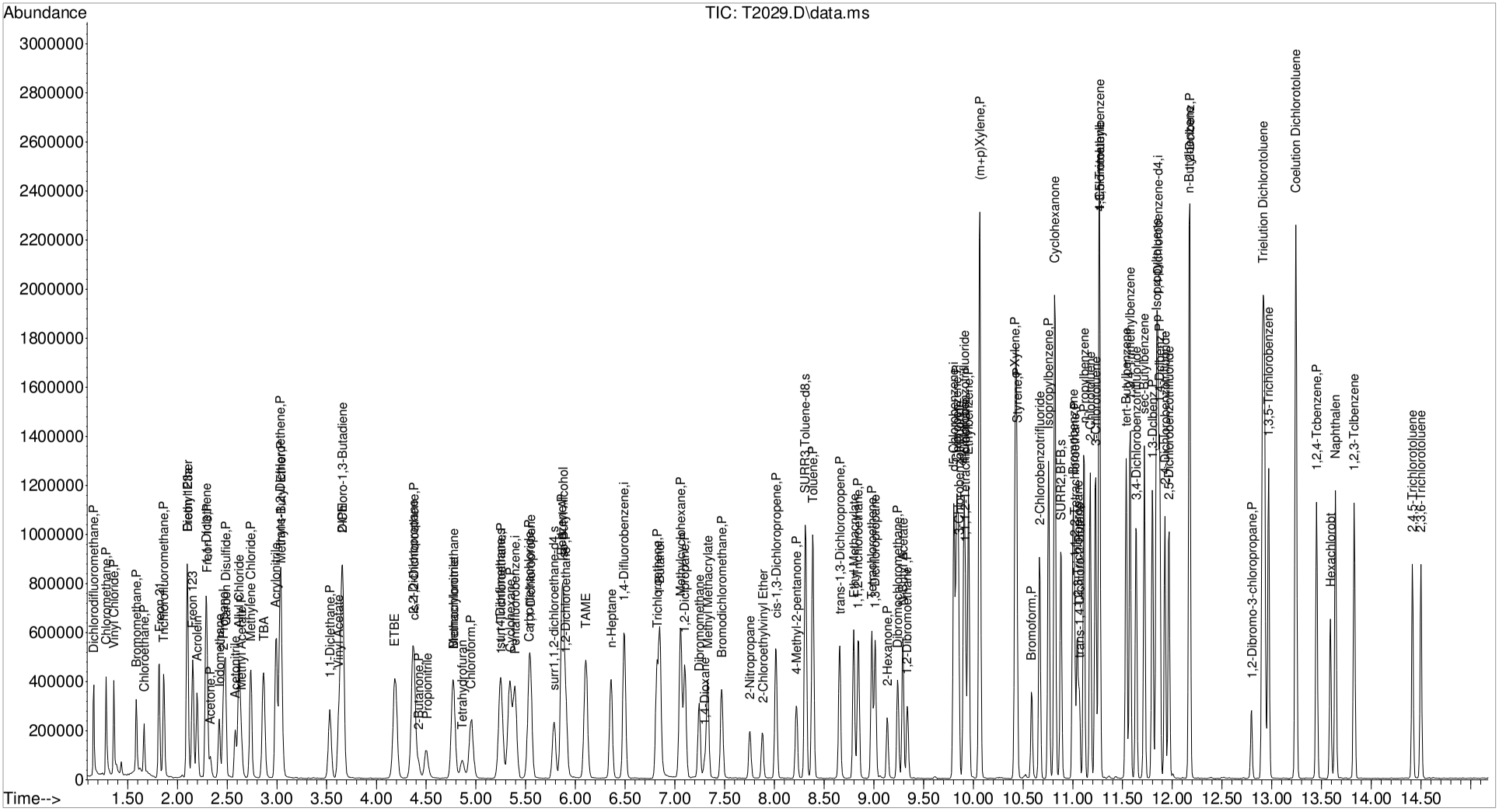
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	384755	47.70	ug/L	95
105) 1,4-Dclbenz	11.871	146	397184	46.51	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.926	214	191551	51.64	ug/L	95
107) 2,5-Dichlorobenzotrifl...	11.969	214	206810	48.31	ug/L	97
108) n-Butylbenzene	12.170	91	533445	43.07	ug/L	100
109) 1,2-Dclbenz	12.176	146	380410	47.71	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.798	157	58071	43.01	ug/L	90
111) Trielution Dichlorotol...	12.914	125	1002098	153.88	ug/L	96
112) 1,3,5-Trichlorobenzene	12.969	180	281165	48.77	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	707415	97.68	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	263561	46.50	ug/L	99
115) Hexachlorobt	13.590	225	94661	38.51	ug/L	98
116) Naphthalen	13.639	128	676957	48.04	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	249474	46.64	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	177892	50.89	ug/L	95
119) 2,3,6-Trichlorotoluene	14.499	159	159325	53.86	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2029.D
Acq On : 21 Sep 2020 9:58 am
Operator : F.NAEGLER
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 10:13:42 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

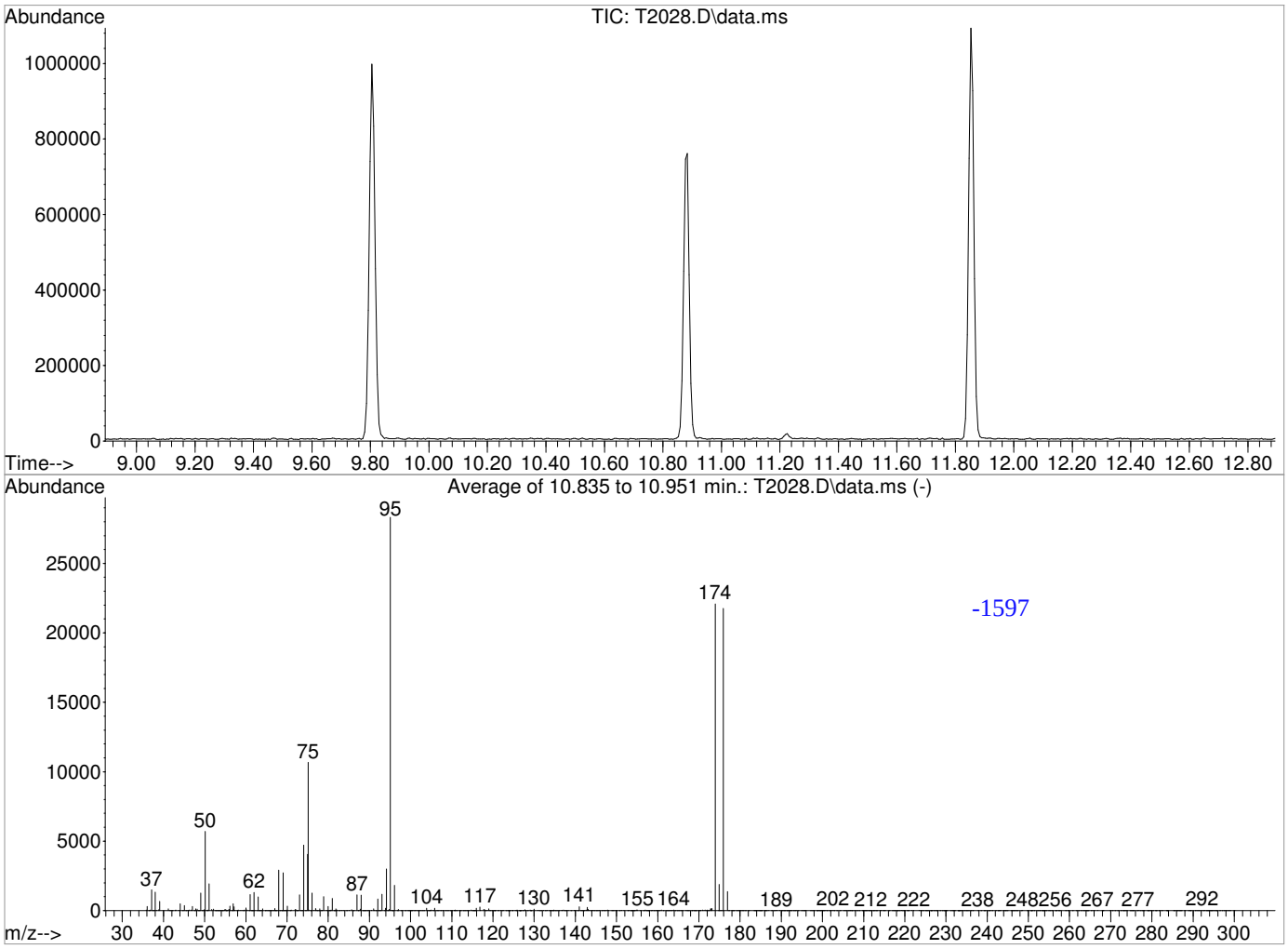


BFB

Data Path : I:\ACQUDATA\msvoa10\data\092120\
Data File : T2028.D
Acq On : 21 Sep 2020 9:23 am
Operator : F.NAEGLER
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W091720.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 17 16:48:28 2020



Spectrum Information: Average of 10.835 to 10.951 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	5693	PASS
75	95	30	60	37.7	10669	PASS
95	95	100	100	100.0	28317	PASS
96	95	5	9	6.5	1828	PASS
173	174	0.00	2	0.7	161	PASS
174	95	50	120	78.0	22080	PASS
175	174	5	9	8.6	1894	PASS
176	174	95	101	98.6	21768	PASS
177	176	5	9	6.3	1371	PASS

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2000142-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1975.D	09/17/2020 12:47
02	RC2000142-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1976.D	09/17/2020 13:09
03	RC2000142-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1977.D	09/17/2020 13:31
04	RC2000142-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1978.D	09/17/2020 13:53
05	RC2000142-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1979.D	09/17/2020 14:14
06	RC2000142-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1980.D	09/17/2020 14:36
07	RC2000142-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1981.D	09/17/2020 14:58
08	RC2000142-08	200 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1983.D	09/17/2020 15:42
09	RC2000142-09	150 PPB STD	I:\ACQUDATA\msvoa10\data\091720\T1985.D	09/17/2020 16:26

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9968	02	1.000	0.6225	03	2.000	0.699	04	5.000	0.7427
05	20.000	0.6854	06	50.000	0.7137	07	100.000	0.609	09	150.000	0.6816
08	200.000	0.6293									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9169	02	1.000	0.8689	03	2.000	0.8882	04	5.000	0.9283
05	20.000	0.9523	06	50.000	0.8852	07	100.000	0.7786	09	150.000	0.8315
08	200.000	0.7587									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4494	02	1.000	0.3648	03	2.000	0.3605	04	5.000	0.359
05	20.000	0.363	06	50.000	0.3466	07	100.000	0.317	09	150.000	0.3528
08	200.000	0.4271									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4795	05	20.000	0.4259	06	50.000	0.4752	07	100.000	0.4632
09	200.000	0.4567									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3399	05	20.000	0.2769	06	50.000	0.298	07	100.000	0.3054
09	200.000	0.2982									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3258	02	1.000	0.2479	03	2.000	0.2499	04	5.000	0.2486
05	20.000	0.2564	06	50.000	0.2582	07	100.000	0.2331	09	150.000	0.2706
08	200.000	0.2717									

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.316	05	20.000	1.086	06	50.000	1.181	07	100.000	1.154
09	200.000	1.099									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3374	02	1.000	0.2417	03	2.000	0.2841	04	5.000	0.3117
05	20.000	0.2967	06	50.000	0.3102	07	100.000	0.2876	09	150.000	0.3116
08	200.000	0.3114									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6253	02	1.000	0.6719	03	2.000	0.6097	04	5.000	0.6243
05	20.000	0.7144	06	50.000	0.6538	07	100.000	0.547	09	150.000	0.4479
08	200.000	0.5498									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5906	02	1.000	0.4485	03	2.000	0.5256	04	5.000	0.5407
05	20.000	0.5197	06	50.000	0.5127	07	100.000	0.4708	09	150.000	0.4805
08	200.000	0.4425									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3703	02	1.000	0.5791	03	2.000	0.4162	04	5.000	0.415
05	20.000	0.4214	06	50.000	0.4126	07	100.000	0.3725	09	150.000	0.4075
08	200.000	0.3717									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000142 **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	16.5	≤20	0.7089	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.6	≤20	0.8676	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	11.1	≤20	0.3711	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	4.6	≤20	0.4601	
Dibromofluoromethane	SURR	Average RF	% RSD	7.5	≤20	0.3037	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	10.1	≤20	0.2624	0.200
Toluene-d8	SURR	Average RF	% RSD	7.9	≤20	1.167	
Trichloroethene (TCE)	TRG	Average RF	% RSD	8.9	≤20	0.2992	0.200
Vinyl Chloride	TRG	Average RF	% RSD	13.2	≤20	0.6049	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	9.5	≤20	0.5035	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	15.3	≤20	0.4185	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2008657
Project: Dover - Kirkwood **Calibration Date:** 9/17/2020

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000142 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2000142-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091720\T1988.D	09/17/2020 17:31
11	RC2000142-11	50 PPB ICV	I:\ACQUDATA\msvoa10\data\091820\T1995.D	09/18/2020 12:54

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.1	7.089E-1	6.116E-1	-13.727	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.2	8.676E-1	8.184E-1	-5.673	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	51.3	3.711E-1	3.811E-1	2.69	±30	Average RF
Tetrachloroethene (PCE)	50.0	42.6	2.624E-1	2.235E-1	-14.853	±30	Average RF
Trichloroethene (TCE)	50.0	45.1	2.992E-1	2.697E-1	-9.864	±30	Average RF
Vinyl Chloride	50.0	44.4	6.049E-1	5.372E-1	-11.195	±30	Average RF
cis-1,2-Dichloroethene	50.0	46.6	5.035E-1	4.688E-1	-6.886	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.2	4.185E-1	4.037E-1	-3.542	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.0	4.601E-1	4.781E-1	3.92	±30	Average RF
Dibromofluoromethane	50.0	51.3	3.037E-1	3.119E-1	2.69	±30	Average RF
Toluene-d8	50.0	52.4	1.167E0	1.224E0	4.88	±30	Average RF

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

Service Request: R2008657
Date Analyzed: 09/21/20 09:58

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\092120\T2029.D\
Signal ID: 1

Calibration Date: 9/17/2020
Calibration ID: RC2000142
Analysis Lot: 695857
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	45.2	0.7089	0.6408	-9.6	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.3	0.8676	0.8725	0.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	47.4	0.3711	0.3517	-5.2	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	45.1	0.2624	0.2369	-9.7	NA	±20	Average RF
Trichloroethene (TCE)	50.0	47.8	0.2992	0.2861	-4.4	NA	±20	Average RF
Vinyl Chloride	50.0	56.4	0.6049	0.6821	12.8	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	46.5	0.5035	0.4687	-6.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	47.8	0.4185	0.3998	-4.5	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.7	0.4601	0.4846	5.3	NA	±20	Average RF
Dibromofluoromethane	50.0	51.6	0.3037	0.3135	3.2	NA	±20	Average RF
Toluene-d8	50.0	51.5	1.1673	1.2026	3.0	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**695857
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092120\T2028.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	09:23:00	
I:\ACQUDATA\msvoa10\data\092120\T2029.D\	Continuing Calibration Verification	RQ2011047-02	9/21/2020	09:58:00	
I:\ACQUDATA\msvoa10\data\092120\T2030.D\	Lab Control Sample	RQ2011047-03	9/21/2020	10:31:00	
I:\ACQUDATA\msvoa10\data\092120\T2031.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	10:52:00	
I:\ACQUDATA\msvoa10\data\092120\T2033.D\	Method Blank	RQ2011047-05	9/21/2020	11:50:00	
I:\ACQUDATA\msvoa10\data\092120\T2034.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	12:12:00	
I:\ACQUDATA\msvoa10\data\092120\T2035.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	12:33:00	
I:\ACQUDATA\msvoa10\data\092120\T2036.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	12:55:00	
I:\ACQUDATA\msvoa10\data\092120\T2037.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	13:17:00	
I:\ACQUDATA\msvoa10\data\092120\T2038.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	13:39:00	
I:\ACQUDATA\msvoa10\data\092120\T2039.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:01:00	
I:\ACQUDATA\msvoa10\data\092120\T2040.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:22:00	
I:\ACQUDATA\msvoa10\data\092120\T2041.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	14:44:00	
I:\ACQUDATA\msvoa10\data\092120\T2042.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	15:06:00	
I:\ACQUDATA\msvoa10\data\092120\T2043.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	15:28:00	
I:\ACQUDATA\msvoa10\data\092120\T2044.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	15:49:00	
I:\ACQUDATA\msvoa10\data\092120\T2045.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:11:00	
I:\ACQUDATA\msvoa10\data\092120\T2046.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:33:00	
I:\ACQUDATA\msvoa10\data\092120\T2047.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	16:55:00	
I:\ACQUDATA\msvoa10\data\092120\T2049.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	17:38:00	
I:\ACQUDATA\msvoa10\data\092120\T2050.D\	MP-14 09172020	R2008657-005	9/21/2020	18:00:00	
I:\ACQUDATA\msvoa10\data\092120\T2051.D\	MW-24 09172020	R2008657-006	9/21/2020	18:22:00	
I:\ACQUDATA\msvoa10\data\092120\T2052.D\	MW-25R 09172020	R2008657-004	9/21/2020	18:44:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008657
Project: Dover - Kirkwood/5101.0002

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**695857
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\092120\T2053.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	19:06:00	
I:\ACQUDATA\msvoa10\data\092120\T2054.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	19:27:00	
I:\ACQUDATA\msvoa10\data\092120\T2055.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	19:49:00	
I:\ACQUDATA\msvoa10\data\092120\T2056.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	20:11:00	
I:\ACQUDATA\msvoa10\data\092120\T2057.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	20:33:00	

Analysis: 8260/624	Analyst: F. Naegler	pH strips: 221419	Tune Method: W091720.M
Date: 09/21/2020	Balance ID: —	ResCl strips: 0408201F	Run Method: ↓
Instr. MS10	50 mL Class A used for dilution FV	Syringes: 177417 / 202105	LIMS Run#: 695857

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./		RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK								T2026	Y	
2	BLK								27	Y	
3	TUNE								28	Y	
1	CCV								29	Y	
2	LCS-UNP								30	Y	
3	LCS-FP								31	Y	
4	BLK								32	(N)	
5	MBLK-UNP								33	Y	
6	MBLK-FP			Resid Cl					34	Y	
7	R2008616-005	1.0		neg	14885	2	1	(5)	35	Y	OUT OF HOLD(3 DAY)
8	-001	1.0		neg			1	(7)	36	Y	
9	-002	1.0		neg			1	(7)	37	Y	
10	-003	1.0		neg			1	(7)	38	Y	
11	-004	1.0		neg			1	(7)	39	Y	
12	R2008610-001	1.0		neg	6139	2	1	(6)	40	Y	
13	R2008530-001	50.0	1/50mL	neg	9766	2	2	<2	41	Y	DL
14	R2008617-002	1.0		neg	18832	2	1	<2	42	Y	
15	-001	1.0		neg			1	<2	43	Y	
16	R2008618-003	1.0		neg	18711	2	1	<2	44	Y	
17	-002	1.0		neg			1	<2	45	Y	
18	-001	10.0	5/50mL	neg			1	<2	46	Y	
19	R2008537-005	25.0	2/50mL	neg	14838	2	2	<2	47	Y	DL
20	BLK								48	Y	
21	R2008604-002	1.0		—	7979	4	1	(7)	49	Y	
22	R2008657-005	1.0		—			1	(8)	50	Y	
23	-006	1.0		—			1	(8)	51	Y	
24	-004	1.0		—			1	(8)	52	Y	
25	R2008604-003	1.0		—			1	(7)	53	Y	
26	-005	1.0		—			1	(8)	54	Y	
27	-011	1.0		—			1	(7)	55	Y	
28	R2008530-001MS	50.0	1/5mL	neg	9766	2	2	<2	56	Y	
29	-001MSD	50.0	↓	neg	↓	↓	2	<2	57	Y	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr — : —

Surrogate 50 : 212475

Internal Std 50 : 212476

Reagents: —

T/G Primary 500 : 212581 – 5uL/50mL

HSL Primary : 212582 –

Fr Primary : 212280 –

OCC Primary : 211552 –

Primary :

(CCV)

Fr Secondary 200 : 211981 – 5uL

T/G Secondary 500 : 212050 – 2uL

HSL Secondary : 212600 –

OCC Secondary : 211554 –

Secondary :

50mL (LCS) -12.5uL -5uL 5mL (SPK)

Appendix D

VERINA Consulting Group, LLC

MONTHLY CAP INSPECTION CHECKLIST
Former Dover Electronics Site, Kirkwood, NY (5101.0002)

Date: 1/13/2020

Personnel: CF & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Can't tell under carpet.
2	1984 Building Addition floor slab in good condition?	--	--		Can't tell under carpet.
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: 2/10/2020

Personnel: CF & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Can't tell under carpet.
2	1984 Building Addition floor slab in good condition?	--	--		Can't tell under carpet.
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: 3/17/2020

Personnel: CF & CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Can't tell under carpet.
2	1984 Building Addition floor slab in good condition?	--	--		Can't tell under carpet.
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: 4/27/2020

Personnel: RPW, CJP

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Can't tell under carpet
2	1984 Building Addition floor slab in good condition?	--	--		Can't tell under carpet
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: 5/18/2020

Personnel: RDA, CF

Item No.	Description	Yes	No	Actions	Comments
1	1978 Building Addition floor slab in good condition?	--	--		Can't tell under carpet
2	1984 Building Addition floor slab in good condition?	--	--		Can't tell under carpet
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: 6/15/2020

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: 7/20/2020

Personnel: RDA, 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: 8/17/2020

Personnel: RDA, 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: 9/21/2020

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: 10/26/2020

Personnel: KEG & 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: 11/16/2020

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: 12/14/2020

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			

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	
1/13/2020	13:45	Y	1.25	0.50	0.38	1.00	0.63	-	2.75	4.38	ASD-6 was not accessible, values as shown on U-tubes
2/10/2020	14:35	Y	1.25	1.25	1.25	1.13	0.88	-	2.63	4.25	ASD-6 was not accessible, values as shown on U-tubes
3/17/2020	9:20	Y	1.13	1.06	0.81	1.00	0.75	-	2.50	4.31	ASD-6 was not accessible, values as shown on U-tubes
4/27/2020	13:45	Y	-	0.88	0.88	1.13	0.75	-	2.88	4.13	ASD-1 and ASD-6 were not accessible, values as shown on U-tubes
5/18/2020	16:55	Y	-	1.00	0.88	0.94	0.88	-	2.63	4.25	ASD-1 and ASD-6 were not accessible, values as shown on U-tubes
6/15/2020	13:50	Y	1.12	1.12	0.88	1.00	0.88	-	2.63	4.25	ASD-6 was not accessible, values as shown on U-tubes
7/20/2020	13:!5	Y	1.13	1.13	1.13	1.13	1.13	-	2.63	4.00	ASD-6 was not accessible, values as shown on U-tubes
8/17/2020	13:30	Y	1.13	1.13	1.13	1.13	1.13	-	2.75	4.75	ASD-6 was not accessible, values as shown on U-tubes
9/23/2020	8:30	Y	1.13	1.13	1.13	1.13	1.13	-	2.63	4.50	ASD-6 was not accessible, values as shown on U-tubes
10/26/2020	13:30	Y	1.13	1.00	1.00	1.13	1.00	-	2.75	4.38	ASD-6 was not accessible, values as shown on U-tubes
11/16/2020	14:15	Y	0.88	1.38	1.13	1.00	0.88	-	2.75	4.25	ASD-6 was not accessible, values as shown on U-tubes
12/14/2020	13:12	Y	1.13	0.88	0.50	0.88	0.63	-	2.63	4.25	ASD-6 was not accessible, values as shown on U-tubes

Appendix F

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

LABORATORY REPORT

April 13, 2020

Rita DeAlmeida
Verina Consulting Group, LLC
1011 US Highway 22, Suite 302
Bridgewater, NJ 08807

RE: Dover-Kirkwood / 5101.0002

Dear Rita:

Enclosed are the results of the samples submitted to our laboratory on March 30, 2020. For your reference, these analyses have been assigned our service request number P2001738.

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 9:32 am, Apr 13, 2020

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: P2001738
NJ Certification ID: CA009

CASE NARRATIVE

The samples were received intact under chain of custody on March 30, 2020 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criterion was exceeded for vinyl acetate, 1,2,4-trichlorobenzene and naphthalene in the Continuing Calibration Verification (CCV). 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 5.1 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	4068-007
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: P2001738
Project ID: Dover-Kirkwood / 5101.0002

Date Received: 3/30/2020
Time Received: 09:15

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-15 - VOC Cans
Office Area #2 - 032520	P2001738-001	Air	3/25/2020	15:09	AC02403	-0.03	3.87	X
Office Area #1 - 032520	P2001738-002	Air	3/25/2020	15:09	AC02144	-0.03	4.01	X
Cafeteria - 032520	P2001738-003	Air	3/25/2020	15:00	AC02127	-0.11	3.88	X
Computer Services - 032520	P2001738-004	Air	3/25/2020	15:05	AC00655	-1.51	3.93	X
A/C Area - 032520	P2001738-005	Air	3/25/2020	15:06	AC02119	0.02	3.65	X
Electrical Area - 032520	P2001738-006	Air	3/25/2020	15:01	AC02145	0.06	3.74	X
Hallway - 032520	P2001738-007	Air	3/25/2020	15:08	AS00811	-0.05	3.74	X
Background - 032520	P2001738-008	Air	3/25/2020	15:15	AC02030	-3.19	3.91	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. P001738

Company Name & Address (Reporting Information)	Verina Consulting Group, 1011 US Highway 22, Bridgewater NJ
Project Name	Daer - Kirkwood
Project Number	5101.0002
Project Manager	Sarah Maccarter
P.O. # / Billing Information	
Phone	908 864 4400
Fax	908 864 4401
Email Address for Result Reporting	smaccarter@vcg-llc.com
Sampler (Print & Sign)	Rita DeAlmeida
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 #2 - 032520	1	03/25/20	1509	AC02403	FCR00421	-27	0	6L	x		
Office Area #1 - 032520	2		1509	AC02144	FCR00435	-28	-8	6L	x		
Cafeteria - 032520	3		1500	AC02127	FCR00499	-29	0	6L	x		
Computer Services - 032520	4		1505	AC00655	FCR00494	-25	-3	6L	x		
A/C Area - 032520	5		1506	AC02119	FC00204	-28	-2	6L	x		
Electrical Area - 032520	6		1501	AC02145	FCR00493	-24	-6	6L	x		
Hallway - 032520	7		1508	AS00811	FCR00419	-28	0	6L	x		
Background - 032520	8		1515	AC02030	FCR00096	-29.5	-7	6L	x		

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) X
Tier III (Results + QC & Calibration 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)

	Date	Time		Date	Time
Relinquished by: (Signature)	03/26/20	15:30	Received by: (Signature)	3/30/20	915
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: P2001738

Project: Dover-Kirkwood / 5101.0002

Sample(s) received on: 3/30/20 Date opened: 3/30/20 by: DENISE.POSADA

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
P2001738-001.01	6.0 L Ambient Can					
P2001738-002.01	6.0 L Ambient Can					
P2001738-003.01	6.0 L Ambient Can					
P2001738-004.01	6.0 L Ambient Can					
P2001738-005.01	6.0 L Ambient Can					
P2001738-006.01	6.0 L Ambient Can					
P2001738-007.01	6.0 L Silonite Can					
P2001738-008.01	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 #2 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-001

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02403

Initial Pressure (psig): -0.03 Final Pressure (psig): 3.87

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.0**	0.67	**0.60**	0.14	
74-87-3	Chloromethane	ND	0.67	ND	0.33	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.67	ND	0.096	
75-01-4	Vinyl Chloride	ND	0.69	ND	0.27	
106-99-0	1,3-Butadiene	ND	0.67	ND	0.30	
74-83-9	Bromomethane	ND	0.69	ND	0.18	
75-00-3	Chloroethane	ND	0.69	ND	0.26	
64-17-5	Ethanol	**110**	6.6	**57**	3.5	
75-05-8	Acetonitrile	ND	0.67	ND	0.40	
107-02-8	Acrolein	ND	1.3	ND	0.55	
67-64-1	Acetone	**11**	6.7	**4.8**	2.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**9.7**	0.67	**1.7**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	**13**	2.7	**5.3**	1.1	
107-13-1	Acrylonitrile	ND	0.67	ND	0.31	
75-35-4	1,1-Dichloroethene	ND	0.69	ND	0.17	
75-09-2	Methylene Chloride	ND	0.67	ND	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.69	ND	0.22	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.69	ND	0.090	
75-15-0	Carbon Disulfide	ND	1.4	ND	0.45	
156-60-5	trans-1,2-Dichloroethene	ND	0.69	ND	0.17	
75-34-3	1,1-Dichloroethane	ND	0.70	ND	0.17	
1634-04-4	Methyl tert-Butyl Ether	ND	0.69	ND	0.19	
108-05-4	Vinyl Acetate	ND	6.9	ND	1.9	

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.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Office Area #2 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-001

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02403

Initial Pressure (psig): -0.03 Final Pressure (psig): 3.87

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**2.4**	1.4	**0.80**	0.47	
156-59-2	cis-1,2-Dichloroethene	ND	0.67	ND	0.17	
110-54-3	n-Hexane	ND	0.69	ND	0.19	
67-66-3	Chloroform	ND	0.69	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.69	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.69	ND	0.13	
71-43-2	Benzene	ND	0.67	ND	0.21	
56-23-5	Carbon Tetrachloride	**0.46**	0.14	**0.074**	0.022	
78-87-5	1,2-Dichloropropane	ND	0.69	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.69	ND	0.10	
79-01-6	Trichloroethene	ND	0.14	ND	0.026	
123-91-1	1,4-Dioxane	ND	0.69	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	0.66	ND	0.15	
108-10-1	4-Methyl-2-pentanone	ND	0.67	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.67	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.69	ND	0.13	
108-88-3	Toluene	**2.5**	0.69	**0.67**	0.18	
591-78-6	2-Hexanone	ND	0.69	ND	0.17	
124-48-1	Dibromochloromethane	ND	0.69	ND	0.081	
106-93-4	1,2-Dibromoethane	ND	0.69	ND	0.089	
123-86-4	n-Butyl Acetate	ND	0.70	ND	0.15	
127-18-4	Tetrachloroethene	**1.1**	0.66	**0.16**	0.097	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-001

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02403

Initial Pressure (psig): -0.03 Final Pressure (psig): 3.87

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.69	ND	0.15	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	
179601-23-1	m,p-Xylenes	ND	1.4	ND	0.32	
75-25-2	Bromoform	ND	0.69	ND	0.066	
100-42-5	Styrene	ND	0.67	ND	0.16	
95-47-6	o-Xylene	ND	0.69	ND	0.16	
111-84-2	n-Nonane	ND	0.69	ND	0.13	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.69	ND	0.10	
98-82-8	Cumene	ND	0.69	ND	0.14	
80-56-8	alpha-Pinene	ND	0.69	ND	0.12	
622-96-8	4-Ethyltoluene	ND	0.69	ND	0.14	
108-67-8	1,3,5-Trimethylbenzene	ND	0.67	ND	0.14	
95-63-6	1,2,4-Trimethylbenzene	ND	0.69	ND	0.14	
100-44-7	Benzyl Chloride	ND	1.4	ND	0.27	
541-73-1	1,3-Dichlorobenzene	ND	0.69	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.69	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.69	ND	0.11	
5989-27-5	d-Limonene	**1.2**	0.69	**0.21**	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.67	ND	0.070	
120-82-1	1,2,4-Trichlorobenzene	ND	0.69	ND	0.092	
91-20-3	Naphthalene	ND	0.66	ND	0.13	
87-68-3	Hexachlorobutadiene	ND	0.67	ND	0.063	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-002

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02144

Initial Pressure (psig): -0.03 Final Pressure (psig): 4.01

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)	**2.9**	0.68	**0.59**	0.14	
74-87-3	Chloromethane	ND	0.68	ND	0.33	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.68	ND	0.097	
75-01-4	Vinyl Chloride	ND	0.69	ND	0.27	
106-99-0	1,3-Butadiene	ND	0.68	ND	0.31	
74-83-9	Bromomethane	ND	0.69	ND	0.18	
75-00-3	Chloroethane	ND	0.69	ND	0.26	
64-17-5	Ethanol	**78**	6.7	**41**	3.5	
75-05-8	Acetonitrile	ND	0.68	ND	0.40	
107-02-8	Acrolein	**1.6**	1.3	**0.70**	0.56	
67-64-1	Acetone	**15**	6.8	**6.5**	2.9	
75-69-4	Trichlorofluoromethane (CFC 11)	**10**	0.68	**1.9**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	**12**	2.7	**4.8**	1.1	
107-13-1	Acrylonitrile	ND	0.68	ND	0.31	
75-35-4	1,1-Dichloroethene	ND	0.69	ND	0.17	
75-09-2	Methylene Chloride	ND	0.68	ND	0.20	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.69	ND	0.22	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.69	ND	0.090	
75-15-0	Carbon Disulfide	ND	1.4	ND	0.45	
156-60-5	trans-1,2-Dichloroethene	ND	0.69	ND	0.17	
75-34-3	1,1-Dichloroethane	ND	0.70	ND	0.17	
1634-04-4	Methyl tert-Butyl Ether	ND	0.69	ND	0.19	
108-05-4	Vinyl Acetate	ND	6.9	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: **Office Area #1 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-002

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02144

Initial Pressure (psig): -0.03 Final Pressure (psig): 4.01

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)	**3.8**	1.4	**1.3**	0.48	
156-59-2	cis-1,2-Dichloroethene	ND	0.68	ND	0.17	
110-54-3	n-Hexane	ND	0.69	ND	0.20	
67-66-3	Chloroform	ND	0.69	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.69	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.69	ND	0.13	
71-43-2	Benzene	ND	0.68	ND	0.21	
56-23-5	Carbon Tetrachloride	**0.46**	0.14	**0.073**	0.022	
78-87-5	1,2-Dichloropropane	ND	0.69	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.69	ND	0.10	
79-01-6	Trichloroethene	ND	0.14	ND	0.026	
123-91-1	1,4-Dioxane	ND	0.69	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	0.67	ND	0.15	
108-10-1	4-Methyl-2-pentanone	ND	0.68	ND	0.17	
10061-02-6	trans-1,3-Dichloropropene	ND	0.68	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.69	ND	0.13	
108-88-3	Toluene	**1.7**	0.69	**0.45**	0.18	
591-78-6	2-Hexanone	ND	0.69	ND	0.17	
124-48-1	Dibromochloromethane	ND	0.69	ND	0.081	
106-93-4	1,2-Dibromoethane	ND	0.69	ND	0.090	
123-86-4	n-Butyl Acetate	ND	0.70	ND	0.15	
127-18-4	Tetrachloroethene	**1.4**	0.67	**0.21**	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: **Office Area #1 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-002

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02144

Initial Pressure (psig): -0.03 Final Pressure (psig): 4.01

Canister Dilution Factor: 1.28

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.69	ND	0.15	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	
179601-23-1	m,p-Xylenes	ND	1.4	ND	0.32	
75-25-2	Bromoform	ND	0.69	ND	0.067	
100-42-5	Styrene	ND	0.68	ND	0.16	
95-47-6	o-Xylene	ND	0.69	ND	0.16	
111-84-2	n-Nonane	ND	0.69	ND	0.13	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.69	ND	0.10	
98-82-8	Cumene	ND	0.69	ND	0.14	
80-56-8	alpha-Pinene	ND	0.69	ND	0.12	
622-96-8	4-Ethyltoluene	ND	0.69	ND	0.14	
108-67-8	1,3,5-Trimethylbenzene	ND	0.68	ND	0.14	
95-63-6	1,2,4-Trimethylbenzene	ND	0.69	ND	0.14	
100-44-7	Benzyl Chloride	ND	1.4	ND	0.27	
541-73-1	1,3-Dichlorobenzene	ND	0.69	ND	0.12	
106-46-7	1,4-Dichlorobenzene	ND	0.69	ND	0.12	
95-50-1	1,2-Dichlorobenzene	ND	0.69	ND	0.12	
5989-27-5	d-Limonene	**1.2**	0.69	**0.22**	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.68	ND	0.070	
120-82-1	1,2,4-Trichlorobenzene	ND	0.69	ND	0.093	
91-20-3	Naphthalene	ND	0.67	ND	0.13	
87-68-3	Hexachlorobutadiene	ND	0.68	ND	0.064	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-003

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02127

Initial Pressure (psig): -0.11 Final Pressure (psig): 3.88

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.4**	0.67	**0.69**	0.14	
74-87-3	Chloromethane	ND	0.67	ND	0.33	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.67	ND	0.096	
75-01-4	Vinyl Chloride	ND	0.69	ND	0.27	
106-99-0	1,3-Butadiene	ND	0.67	ND	0.30	
74-83-9	Bromomethane	ND	0.69	ND	0.18	
75-00-3	Chloroethane	ND	0.69	ND	0.26	
64-17-5	Ethanol	**76**	6.6	**40**	3.5	
75-05-8	Acetonitrile	ND	0.67	ND	0.40	
107-02-8	Acrolein	**1.5**	1.3	**0.64**	0.55	
67-64-1	Acetone	**13**	6.7	**5.4**	2.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**9.3**	0.67	**1.7**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	**9.8**	2.7	**4.0**	1.1	
107-13-1	Acrylonitrile	ND	0.67	ND	0.31	
75-35-4	1,1-Dichloroethene	ND	0.69	ND	0.17	
75-09-2	Methylene Chloride	**1.1**	0.67	**0.33**	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.69	ND	0.22	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.69	ND	0.090	
75-15-0	Carbon Disulfide	ND	1.4	ND	0.45	
156-60-5	trans-1,2-Dichloroethene	ND	0.69	ND	0.17	
75-34-3	1,1-Dichloroethane	ND	0.70	ND	0.17	
1634-04-4	Methyl tert-Butyl Ether	ND	0.69	ND	0.19	
108-05-4	Vinyl Acetate	ND	6.9	ND	1.9	

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.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Cafeteria - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-003

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02127

Initial Pressure (psig): -0.11 Final Pressure (psig): 3.88

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**2.5**	1.4	**0.84**	0.47	
156-59-2	cis-1,2-Dichloroethene	ND	0.67	ND	0.17	
110-54-3	n-Hexane	ND	0.69	ND	0.19	
67-66-3	Chloroform	ND	0.69	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.69	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.69	ND	0.13	
71-43-2	Benzene	ND	0.67	ND	0.21	
56-23-5	Carbon Tetrachloride	**0.45**	0.14	**0.072**	0.022	
78-87-5	1,2-Dichloropropane	ND	0.69	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.69	ND	0.10	
79-01-6	Trichloroethene	ND	0.14	ND	0.026	
123-91-1	1,4-Dioxane	ND	0.69	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	0.66	ND	0.15	
108-10-1	4-Methyl-2-pentanone	ND	0.67	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.67	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.69	ND	0.13	
108-88-3	Toluene	**0.97**	0.69	**0.26**	0.18	
591-78-6	2-Hexanone	ND	0.69	ND	0.17	
124-48-1	Dibromochloromethane	ND	0.69	ND	0.081	
106-93-4	1,2-Dibromoethane	ND	0.69	ND	0.089	
123-86-4	n-Butyl Acetate	ND	0.70	ND	0.15	
127-18-4	Tetrachloroethene	**3.3**	0.66	**0.49**	0.097	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-003

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02127

Initial Pressure (psig): -0.11 Final Pressure (psig): 3.88

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.69	ND	0.15	
100-41-4	Ethylbenzene	ND	0.69	ND	0.16	
179601-23-1	m,p-Xylenes	ND	1.4	ND	0.32	
75-25-2	Bromoform	ND	0.69	ND	0.066	
100-42-5	Styrene	ND	0.67	ND	0.16	
95-47-6	o-Xylene	ND	0.69	ND	0.16	
111-84-2	n-Nonane	ND	0.69	ND	0.13	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.69	ND	0.10	
98-82-8	Cumene	ND	0.69	ND	0.14	
80-56-8	alpha-Pinene	ND	0.69	ND	0.12	
622-96-8	4-Ethyltoluene	ND	0.69	ND	0.14	
108-67-8	1,3,5-Trimethylbenzene	ND	0.67	ND	0.14	
95-63-6	1,2,4-Trimethylbenzene	ND	0.69	ND	0.14	
100-44-7	Benzyl Chloride	ND	1.4	ND	0.27	
541-73-1	1,3-Dichlorobenzene	ND	0.69	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.69	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.69	ND	0.11	
5989-27-5	d-Limonene	**0.85**	0.69	**0.15**	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.67	ND	0.070	
120-82-1	1,2,4-Trichlorobenzene	ND	0.69	ND	0.092	
91-20-3	Naphthalene	ND	0.66	ND	0.13	
87-68-3	Hexachlorobutadiene	ND	0.67	ND	0.063	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-004

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC00655

Initial Pressure (psig): -1.51 Final Pressure (psig): 3.93

Canister Dilution Factor: 1.41

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**4.0**	0.75	**0.80**	0.15	
74-87-3	Chloromethane	ND	0.75	ND	0.36	
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	0.76	ND	0.30	
106-99-0	1,3-Butadiene	ND	0.75	ND	0.34	
74-83-9	Bromomethane	ND	0.76	ND	0.20	
75-00-3	Chloroethane	ND	0.76	ND	0.29	
64-17-5	Ethanol	**270**	7.3	**140**	3.9	
75-05-8	Acetonitrile	ND	0.75	ND	0.45	
107-02-8	Acrolein	ND	1.4	ND	0.62	
67-64-1	Acetone	**18**	7.5	**7.8**	3.1	
75-69-4	Trichlorofluoromethane (CFC 11)	**6.4**	0.75	**1.1**	0.13	
67-63-0	2-Propanol (Isopropyl Alcohol)	**21**	3.0	**8.7**	1.2	
107-13-1	Acrylonitrile	ND	0.75	ND	0.34	
75-35-4	1,1-Dichloroethene	ND	0.76	ND	0.19	
75-09-2	Methylene Chloride	**1.1**	0.75	**0.32**	0.22	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.76	ND	0.24	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.76	ND	0.099	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	0.76	ND	0.19	
75-34-3	1,1-Dichloroethane	ND	0.78	ND	0.19	
1634-04-4	Methyl tert-Butyl Ether	ND	0.76	ND	0.21	
108-05-4	Vinyl Acetate	ND	7.6	ND	2.2	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-004

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC00655

Initial Pressure (psig): -1.51 Final Pressure (psig): 3.93

Canister Dilution Factor: 1.41

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**3.5**	1.6	**1.2**	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	0.75	ND	0.19	
110-54-3	n-Hexane	ND	0.76	ND	0.22	
67-66-3	Chloroform	ND	0.76	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	**0.92**	0.75	**0.29**	0.23	
56-23-5	Carbon Tetrachloride	**0.40**	0.16	**0.064**	0.025	
78-87-5	1,2-Dichloropropane	ND	0.76	ND	0.16	
75-27-4	Bromodichloromethane	ND	0.76	ND	0.11	
79-01-6	Trichloroethene	ND	0.16	ND	0.029	
123-91-1	1,4-Dioxane	ND	0.76	ND	0.21	
10061-01-5	cis-1,3-Dichloropropene	ND	0.73	ND	0.16	
108-10-1	4-Methyl-2-pentanone	ND	0.75	ND	0.18	
10061-02-6	trans-1,3-Dichloropropene	ND	0.75	ND	0.16	
79-00-5	1,1,2-Trichloroethane	ND	0.76	ND	0.14	
108-88-3	Toluene	**3.2**	0.76	**0.85**	0.20	
591-78-6	2-Hexanone	ND	0.76	ND	0.19	
124-48-1	Dibromochloromethane	ND	0.76	ND	0.089	
106-93-4	1,2-Dibromoethane	ND	0.76	ND	0.099	
123-86-4	n-Butyl Acetate	ND	0.78	ND	0.16	
127-18-4	Tetrachloroethene	**3.9**	0.73	**0.58**	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: **Computer Services - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-004

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC00655

Initial Pressure (psig): -1.51 Final Pressure (psig): 3.93

Canister Dilution Factor: 1.41

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.76	ND	0.17	
100-41-4	Ethylbenzene	ND	0.76	ND	0.18	
179601-23-1	m,p-Xylenes	ND	1.6	ND	0.36	
75-25-2	Bromoform	ND	0.76	ND	0.074	
100-42-5	Styrene	ND	0.75	ND	0.18	
95-47-6	o-Xylene	ND	0.76	ND	0.18	
111-84-2	n-Nonane	ND	0.76	ND	0.15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.76	ND	0.11	
98-82-8	Cumene	ND	0.76	ND	0.15	
80-56-8	alpha-Pinene	**1.6**	0.76	**0.28**	0.14	
622-96-8	4-Ethyltoluene	ND	0.76	ND	0.15	
108-67-8	1,3,5-Trimethylbenzene	ND	0.75	ND	0.15	
95-63-6	1,2,4-Trimethylbenzene	ND	0.76	ND	0.15	
100-44-7	Benzyl Chloride	ND	1.6	ND	0.30	
541-73-1	1,3-Dichlorobenzene	ND	0.76	ND	0.13	
106-46-7	1,4-Dichlorobenzene	ND	0.76	ND	0.13	
95-50-1	1,2-Dichlorobenzene	ND	0.76	ND	0.13	
5989-27-5	d-Limonene	**4.3**	0.76	**0.77**	0.14	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.75	ND	0.077	
120-82-1	1,2,4-Trichlorobenzene	ND	0.76	ND	0.10	
91-20-3	Naphthalene	ND	0.73	ND	0.14	
87-68-3	Hexachlorobutadiene	ND	0.75	ND	0.070	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-005

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02119

Initial Pressure (psig): 0.02 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.3**	0.66	**0.67**	0.13	
74-87-3	Chloromethane	ND	0.66	ND	0.32	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.66	ND	0.095	
75-01-4	Vinyl Chloride	ND	0.68	ND	0.26	
106-99-0	1,3-Butadiene	ND	0.66	ND	0.30	
74-83-9	Bromomethane	ND	0.68	ND	0.17	
75-00-3	Chloroethane	ND	0.68	ND	0.26	
64-17-5	Ethanol	**210**	6.5	**110**	3.5	
75-05-8	Acetonitrile	ND	0.66	ND	0.39	
107-02-8	Acrolein	**1.8**	1.3	**0.81**	0.55	
67-64-1	Acetone	**19**	6.6	**7.9**	2.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**9.5**	0.66	**1.7**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	**25**	2.6	**10**	1.1	
107-13-1	Acrylonitrile	ND	0.66	ND	0.31	
75-35-4	1,1-Dichloroethene	ND	0.68	ND	0.17	
75-09-2	Methylene Chloride	**1.8**	0.66	**0.53**	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.68	ND	0.22	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.68	ND	0.088	
75-15-0	Carbon Disulfide	ND	1.4	ND	0.44	
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	0.68	ND	0.19	
108-05-4	Vinyl Acetate	**7.9**	6.8	**2.3**	1.9	**V**

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **A/C Area - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-005

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02119

Initial Pressure (psig): 0.02 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**3.8**	1.4	**1.3**	0.47	
156-59-2	cis-1,2-Dichloroethene	ND	0.66	ND	0.17	
110-54-3	n-Hexane	ND	0.68	ND	0.19	
67-66-3	Chloroform	ND	0.68	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.68	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.68	ND	0.12	
71-43-2	Benzene	ND	0.66	ND	0.21	
56-23-5	Carbon Tetrachloride	**0.43**	0.14	**0.069**	0.022	
78-87-5	1,2-Dichloropropane	ND	0.68	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.68	ND	0.10	
79-01-6	Trichloroethene	ND	0.14	ND	0.026	
123-91-1	1,4-Dioxane	ND	0.68	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	0.65	ND	0.14	
108-10-1	4-Methyl-2-pentanone	ND	0.66	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.66	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.68	ND	0.12	
108-88-3	Toluene	**2.2**	0.68	**0.57**	0.18	
591-78-6	2-Hexanone	ND	0.68	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.68	ND	0.079	
106-93-4	1,2-Dibromoethane	ND	0.68	ND	0.088	
123-86-4	n-Butyl Acetate	ND	0.69	ND	0.14	
127-18-4	Tetrachloroethene	**3.2**	0.65	**0.48**	0.096	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-005

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02119

Initial Pressure (psig): 0.02 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.68	ND	0.15	
100-41-4	Ethylbenzene	ND	0.68	ND	0.16	
179601-23-1	m,p-Xylenes	ND	1.4	ND	0.32	
75-25-2	Bromoform	ND	0.68	ND	0.065	
100-42-5	Styrene	ND	0.66	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	0.098	
98-82-8	Cumene	ND	0.68	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	0.66	ND	0.13	
95-63-6	1,2,4-Trimethylbenzene	ND	0.68	ND	0.14	
100-44-7	Benzyl Chloride	ND	1.4	ND	0.27	
541-73-1	1,3-Dichlorobenzene	ND	0.68	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.68	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.68	ND	0.11	
5989-27-5	d-Limonene	ND	0.68	ND	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.66	ND	0.069	
120-82-1	1,2,4-Trichlorobenzene	ND	0.68	ND	0.091	
91-20-3	Naphthalene	ND	0.65	ND	0.12	
87-68-3	Hexachlorobutadiene	ND	0.66	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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-006

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02145

Initial Pressure (psig): 0.06 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.3**	0.66	**0.67**	0.13	
74-87-3	Chloromethane	ND	0.66	ND	0.32	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.66	ND	0.095	
75-01-4	Vinyl Chloride	ND	0.68	ND	0.26	
106-99-0	1,3-Butadiene	ND	0.66	ND	0.30	
74-83-9	Bromomethane	ND	0.68	ND	0.17	
75-00-3	Chloroethane	ND	0.68	ND	0.26	
64-17-5	Ethanol	**200**	6.5	**100**	3.5	
75-05-8	Acetonitrile	ND	0.66	ND	0.39	
107-02-8	Acrolein	**1.4**	1.3	**0.61**	0.55	
67-64-1	Acetone	**13**	6.6	**5.4**	2.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**7.8**	0.66	**1.4**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	**18**	2.6	**7.3**	1.1	
107-13-1	Acrylonitrile	ND	0.66	ND	0.31	
75-35-4	1,1-Dichloroethene	ND	0.68	ND	0.17	
75-09-2	Methylene Chloride	**0.84**	0.66	**0.24**	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.68	ND	0.22	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.74**	0.68	**0.096**	0.088	
75-15-0	Carbon Disulfide	ND	1.4	ND	0.44	
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	0.68	ND	0.19	
108-05-4	Vinyl Acetate	ND	6.8	ND	1.9	

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.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Electrical Area - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-006

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02145

Initial Pressure (psig): 0.06 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**2.7**	1.4	**0.91**	0.47	
156-59-2	cis-1,2-Dichloroethene	ND	0.66	ND	0.17	
110-54-3	n-Hexane	ND	0.68	ND	0.19	
67-66-3	Chloroform	ND	0.68	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.68	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.68	ND	0.12	
71-43-2	Benzene	**0.75**	0.66	**0.24**	0.21	
56-23-5	Carbon Tetrachloride	**0.46**	0.14	**0.073**	0.022	
78-87-5	1,2-Dichloropropane	ND	0.68	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.68	ND	0.10	
79-01-6	Trichloroethene	ND	0.14	ND	0.026	
123-91-1	1,4-Dioxane	ND	0.68	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	0.65	ND	0.14	
108-10-1	4-Methyl-2-pentanone	ND	0.66	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.66	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.68	ND	0.12	
108-88-3	Toluene	**2.2**	0.68	**0.57**	0.18	
591-78-6	2-Hexanone	ND	0.68	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.68	ND	0.079	
106-93-4	1,2-Dibromoethane	ND	0.68	ND	0.088	
123-86-4	n-Butyl Acetate	ND	0.69	ND	0.14	
127-18-4	Tetrachloroethene	**2.5**	0.65	**0.36**	0.096	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-006

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02145

Initial Pressure (psig): 0.06 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.68	ND	0.15	
100-41-4	Ethylbenzene	ND	0.68	ND	0.16	
179601-23-1	m,p-Xylenes	ND	1.4	ND	0.32	
75-25-2	Bromoform	ND	0.68	ND	0.065	
100-42-5	Styrene	ND	0.66	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	0.098	
98-82-8	Cumene	ND	0.68	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	0.66	ND	0.13	
95-63-6	1,2,4-Trimethylbenzene	ND	0.68	ND	0.14	
100-44-7	Benzyl Chloride	ND	1.4	ND	0.27	
541-73-1	1,3-Dichlorobenzene	ND	0.68	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.68	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.68	ND	0.11	
5989-27-5	d-Limonene	ND	0.68	ND	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.66	ND	0.069	
120-82-1	1,2,4-Trichlorobenzene	ND	0.68	ND	0.091	
91-20-3	Naphthalene	ND	0.65	ND	0.12	
87-68-3	Hexachlorobutadiene	ND	0.66	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: **Hallway - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-007

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00811

Initial Pressure (psig): -0.05 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.26

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**6.3**	0.67	**1.3**	0.14	
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	0.096	
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	0.68	ND	0.18	
75-00-3	Chloroethane	ND	0.68	ND	0.26	
64-17-5	Ethanol	**200**	6.6	**110**	3.5	
75-05-8	Acetonitrile	ND	0.67	ND	0.40	
107-02-8	Acrolein	ND	1.3	ND	0.55	
67-64-1	Acetone	**19**	6.7	**8.2**	2.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**8.7**	0.67	**1.6**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	**20**	2.6	**8.0**	1.1	
107-13-1	Acrylonitrile	ND	0.67	ND	0.31	
75-35-4	1,1-Dichloroethene	ND	0.68	ND	0.17	
75-09-2	Methylene Chloride	**1.0**	0.67	**0.29**	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.68	ND	0.22	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.71**	0.68	**0.092**	0.089	
75-15-0	Carbon Disulfide	ND	1.4	ND	0.45	
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	0.68	ND	0.19	
108-05-4	Vinyl Acetate	ND	6.8	ND	1.9	

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: **Hallway - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-007

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00811

Initial Pressure (psig): -0.05 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.26

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**3.6**	1.4	**1.2**	0.47	
156-59-2	cis-1,2-Dichloroethene	ND	0.67	ND	0.17	
110-54-3	n-Hexane	ND	0.68	ND	0.19	
67-66-3	Chloroform	ND	0.68	ND	0.14	
107-06-2	1,2-Dichloroethane	ND	0.68	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.68	ND	0.12	
71-43-2	Benzene	**1.3**	0.67	**0.42**	0.21	
56-23-5	Carbon Tetrachloride	**0.48**	0.14	**0.077**	0.022	
78-87-5	1,2-Dichloropropane	ND	0.68	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.68	ND	0.10	
79-01-6	Trichloroethene	ND	0.14	ND	0.026	
123-91-1	1,4-Dioxane	ND	0.68	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	0.66	ND	0.14	
108-10-1	4-Methyl-2-pentanone	ND	0.67	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.67	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.68	ND	0.12	
108-88-3	Toluene	**5.0**	0.68	**1.3**	0.18	
591-78-6	2-Hexanone	ND	0.68	ND	0.17	
124-48-1	Dibromochloromethane	ND	0.68	ND	0.080	
106-93-4	1,2-Dibromoethane	ND	0.68	ND	0.089	
123-86-4	n-Butyl Acetate	ND	0.69	ND	0.15	
127-18-4	Tetrachloroethene	**3.1**	0.66	**0.46**	0.097	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-007

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00811

Initial Pressure (psig): -0.05 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.26

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.68	ND	0.15	
100-41-4	Ethylbenzene	ND	0.68	ND	0.16	
179601-23-1	m,p-Xylenes	**1.9**	1.4	**0.45**	0.32	
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	**0.88**	0.68	**0.20**	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	0.68	ND	0.14	
80-56-8	alpha-Pinene	**4.2**	0.68	**0.75**	0.12	
622-96-8	4-Ethyltoluene	ND	0.68	ND	0.14	
108-67-8	1,3,5-Trimethylbenzene	ND	0.67	ND	0.14	
95-63-6	1,2,4-Trimethylbenzene	ND	0.68	ND	0.14	
100-44-7	Benzyl Chloride	ND	1.4	ND	0.27	
541-73-1	1,3-Dichlorobenzene	ND	0.68	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.68	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.68	ND	0.11	
5989-27-5	d-Limonene	**9.4**	0.68	**1.7**	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.67	ND	0.069	
120-82-1	1,2,4-Trichlorobenzene	ND	0.68	ND	0.092	
91-20-3	Naphthalene	ND	0.66	ND	0.13	
87-68-3	Hexachlorobutadiene	ND	0.67	ND	0.063	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-008

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02030

Initial Pressure (psig): -3.19 Final Pressure (psig): 3.91

Canister Dilution Factor: 1.62

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	0.86	**0.49**	0.17	
74-87-3	Chloromethane	ND	0.86	ND	0.42	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.86	ND	0.12	
75-01-4	Vinyl Chloride	ND	0.87	ND	0.34	
106-99-0	1,3-Butadiene	ND	0.86	ND	0.39	
74-83-9	Bromomethane	ND	0.87	ND	0.23	
75-00-3	Chloroethane	ND	0.87	ND	0.33	
64-17-5	Ethanol	**15**	8.4	**7.7**	4.5	
75-05-8	Acetonitrile	ND	0.86	ND	0.51	
107-02-8	Acrolein	ND	1.6	ND	0.71	
67-64-1	Acetone	ND	8.6	ND	3.6	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.4**	0.86	**0.25**	0.15	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	3.4	ND	1.4	
107-13-1	Acrylonitrile	ND	0.86	ND	0.40	
75-35-4	1,1-Dichloroethene	ND	0.87	ND	0.22	
75-09-2	Methylene Chloride	ND	0.86	ND	0.25	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.87	ND	0.28	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.87	ND	0.11	
75-15-0	Carbon Disulfide	ND	1.8	ND	0.57	
156-60-5	trans-1,2-Dichloroethene	ND	0.87	ND	0.22	
75-34-3	1,1-Dichloroethane	ND	0.89	ND	0.22	
1634-04-4	Methyl tert-Butyl Ether	ND	0.87	ND	0.24	
108-05-4	Vinyl Acetate	ND	8.7	ND	2.5	

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 - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-008

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02030

Initial Pressure (psig): -3.19 Final Pressure (psig): 3.91

Canister Dilution Factor: 1.62

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
78-93-3	2-Butanone (MEK)	**2.5**	1.8	**0.86**	0.60	
156-59-2	cis-1,2-Dichloroethene	ND	0.86	ND	0.22	
110-54-3	n-Hexane	ND	0.87	ND	0.25	
67-66-3	Chloroform	ND	0.87	ND	0.18	
107-06-2	1,2-Dichloroethane	ND	0.87	ND	0.22	
71-55-6	1,1,1-Trichloroethane	ND	0.87	ND	0.16	
71-43-2	Benzene	ND	0.86	ND	0.27	
56-23-5	Carbon Tetrachloride	**0.26**	0.18	**0.042**	0.028	
78-87-5	1,2-Dichloropropane	ND	0.87	ND	0.19	
75-27-4	Bromodichloromethane	ND	0.87	ND	0.13	
79-01-6	Trichloroethene	ND	0.18	ND	0.033	
123-91-1	1,4-Dioxane	ND	0.87	ND	0.24	
10061-01-5	cis-1,3-Dichloropropene	ND	0.84	ND	0.19	
108-10-1	4-Methyl-2-pentanone	ND	0.86	ND	0.21	
10061-02-6	trans-1,3-Dichloropropene	ND	0.86	ND	0.19	
79-00-5	1,1,2-Trichloroethane	ND	0.87	ND	0.16	
108-88-3	Toluene	ND	0.87	ND	0.23	
591-78-6	2-Hexanone	ND	0.87	ND	0.21	
124-48-1	Dibromochloromethane	ND	0.87	ND	0.10	
106-93-4	1,2-Dibromoethane	ND	0.87	ND	0.11	
123-86-4	n-Butyl Acetate	ND	0.89	ND	0.19	
127-18-4	Tetrachloroethene	ND	0.84	ND	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.

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Background - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-008

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Lusine Hakobyan Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02030

Initial Pressure (psig): -3.19 Final Pressure (psig): 3.91

Canister Dilution Factor: 1.62

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
108-90-7	Chlorobenzene	ND	0.87	ND	0.19	
100-41-4	Ethylbenzene	ND	0.87	ND	0.20	
179601-23-1	m,p-Xylenes	ND	1.8	ND	0.41	
75-25-2	Bromoform	ND	0.87	ND	0.085	
100-42-5	Styrene	ND	0.86	ND	0.20	
95-47-6	o-Xylene	ND	0.87	ND	0.20	
111-84-2	n-Nonane	ND	0.87	ND	0.17	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.87	ND	0.13	
98-82-8	Cumene	ND	0.87	ND	0.18	
80-56-8	alpha-Pinene	ND	0.87	ND	0.16	
622-96-8	4-Ethyltoluene	ND	0.87	ND	0.18	
108-67-8	1,3,5-Trimethylbenzene	ND	0.86	ND	0.17	
95-63-6	1,2,4-Trimethylbenzene	ND	0.87	ND	0.18	
100-44-7	Benzyl Chloride	ND	1.8	ND	0.34	
541-73-1	1,3-Dichlorobenzene	ND	0.87	ND	0.15	
106-46-7	1,4-Dichlorobenzene	ND	0.87	ND	0.15	
95-50-1	1,2-Dichlorobenzene	ND	0.87	ND	0.15	
5989-27-5	d-Limonene	ND	0.87	ND	0.16	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.86	ND	0.089	
120-82-1	1,2,4-Trichlorobenzene	ND	0.87	ND	0.12	
91-20-3	Naphthalene	ND	0.84	ND	0.16	
87-68-3	Hexachlorobutadiene	ND	0.86	ND	0.081	

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: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P200406-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: 4/6/20
Sample Type: 6.0 L Summa 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	0.53	ND	0.11	
74-87-3	Chloromethane	ND	0.53	ND	0.26	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.53	ND	0.076	
75-01-4	Vinyl Chloride	ND	0.54	ND	0.21	
106-99-0	1,3-Butadiene	ND	0.53	ND	0.24	
74-83-9	Bromomethane	ND	0.54	ND	0.14	
75-00-3	Chloroethane	ND	0.54	ND	0.20	
64-17-5	Ethanol	ND	5.2	ND	2.8	
75-05-8	Acetonitrile	ND	0.53	ND	0.32	
107-02-8	Acrolein	ND	1.0	ND	0.44	
67-64-1	Acetone	ND	5.3	ND	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.53	ND	0.094	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	2.1	ND	0.85	
107-13-1	Acrylonitrile	ND	0.53	ND	0.24	
75-35-4	1,1-Dichloroethene	ND	0.54	ND	0.14	
75-09-2	Methylene Chloride	ND	0.53	ND	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.54	ND	0.17	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.54	ND	0.070	
75-15-0	Carbon Disulfide	ND	1.1	ND	0.35	
156-60-5	trans-1,2-Dichloroethene	ND	0.54	ND	0.14	
75-34-3	1,1-Dichloroethane	ND	0.55	ND	0.14	
1634-04-4	Methyl tert-Butyl Ether	ND	0.54	ND	0.15	
108-05-4	Vinyl Acetate	ND	5.4	ND	1.5	

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: P2001738

Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P200406-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: 4/6/20

Sample Type: 6.0 L Summa 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	1.1	ND	0.37	
156-59-2	cis-1,2-Dichloroethene	ND	0.53	ND	0.13	
110-54-3	n-Hexane	ND	0.54	ND	0.15	
67-66-3	Chloroform	ND	0.54	ND	0.11	
107-06-2	1,2-Dichloroethane	ND	0.54	ND	0.13	
71-55-6	1,1,1-Trichloroethane	ND	0.54	ND	0.099	
71-43-2	Benzene	ND	0.53	ND	0.17	
56-23-5	Carbon Tetrachloride	ND	0.11	ND	0.017	
78-87-5	1,2-Dichloropropane	ND	0.54	ND	0.12	
75-27-4	Bromodichloromethane	ND	0.54	ND	0.081	
79-01-6	Trichloroethene	ND	0.11	ND	0.020	
123-91-1	1,4-Dioxane	ND	0.54	ND	0.15	
10061-01-5	cis-1,3-Dichloropropene	ND	0.52	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.53	ND	0.13	
10061-02-6	trans-1,3-Dichloropropene	ND	0.53	ND	0.12	
79-00-5	1,1,2-Trichloroethane	ND	0.54	ND	0.099	
108-88-3	Toluene	ND	0.54	ND	0.14	
591-78-6	2-Hexanone	ND	0.54	ND	0.13	
124-48-1	Dibromochloromethane	ND	0.54	ND	0.063	
106-93-4	1,2-Dibromoethane	ND	0.54	ND	0.070	
123-86-4	n-Butyl Acetate	ND	0.55	ND	0.12	
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: P2001738

Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P200406-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: 4/6/20

Sample Type: 6.0 L Summa 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	0.54	ND	0.12	
100-41-4	Ethylbenzene	ND	0.54	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.1	ND	0.25	
75-25-2	Bromoform	ND	0.54	ND	0.052	
100-42-5	Styrene	ND	0.53	ND	0.12	
95-47-6	o-Xylene	ND	0.54	ND	0.12	
111-84-2	n-Nonane	ND	0.54	ND	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.54	ND	0.079	
98-82-8	Cumene	ND	0.54	ND	0.11	
80-56-8	alpha-Pinene	ND	0.54	ND	0.097	
622-96-8	4-Ethyltoluene	ND	0.54	ND	0.11	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	ND	0.11	
95-63-6	1,2,4-Trimethylbenzene	ND	0.54	ND	0.11	
100-44-7	Benzyl Chloride	ND	1.1	ND	0.21	
541-73-1	1,3-Dichlorobenzene	ND	0.54	ND	0.090	
106-46-7	1,4-Dichlorobenzene	ND	0.54	ND	0.090	
95-50-1	1,2-Dichlorobenzene	ND	0.54	ND	0.090	
5989-27-5	d-Limonene	ND	0.54	ND	0.097	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.53	ND	0.055	
120-82-1	1,2,4-Trichlorobenzene	ND	0.54	ND	0.073	
91-20-3	Naphthalene	ND	0.52	ND	0.099	
87-68-3	Hexachlorobutadiene	ND	0.53	ND	0.050	

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: P2001738

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 3/25/20
Analyst: Wida Ang Date(s) Received: 3/30/20
Sample Type: 6.0 L Summa Canister(s) / 6.0 L Silonite Canister(s) Date(s) Analyzed: 4/6/20
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	P200406-MB	**96**	**101**	**116**	70-130	
Lab Control Sample	P200406-LCS	**92**	**103**	**119**	70-130	
Office Area #2 - 032520	P2001738-001	**96**	**102**	**118**	70-130	
Office Area #1 - 032520	P2001738-002	**95**	**102**	**118**	70-130	
Cafeteria - 032520	P2001738-003	**97**	**101**	**117**	70-130	
Computer Services - 032520	P2001738-004	**97**	**101**	**117**	70-130	
Computer Services - 032520	P2001738-004DUP	**96**	**102**	**117**	70-130	
A/C Area - 032520	P2001738-005	**95**	**102**	**117**	70-130	
Electrical Area - 032520	P2001738-006	**96**	**101**	**117**	70-130	
Hallway - 032520	P2001738-007	**96**	**101**	**118**	70-130	
Background - 032520	P2001738-008	**96**	**100**	**117**	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: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P200406-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: 4/6/20
Sample Type: 6.0 L Summa 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	**195**	**93**	64-115	
74-87-3	Chloromethane	212	**190**	**90**	49-127	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	**204**	**99**	65-114	
75-01-4	Vinyl Chloride	212	**192**	**91**	61-129	
106-99-0	1,3-Butadiene	212	**218**	**103**	54-140	
74-83-9	Bromomethane	212	**210**	**99**	68-120	
75-00-3	Chloroethane	214	**188**	**88**	63-123	
64-17-5	Ethanol	1,060	**811**	**77**	49-134	
75-05-8	Acetonitrile	214	**168**	**79**	50-137	
107-02-8	Acrolein	206	**205**	**100**	62-128	
67-64-1	Acetone	1,070	**874**	**82**	56-125	
75-69-4	Trichlorofluoromethane (CFC 11)	212	**204**	**96**	64-115	
67-63-0	2-Propanol (Isopropyl Alcohol)	422	**380**	**90**	57-133	
107-13-1	Acrylonitrile	212	**203**	**96**	64-136	
75-35-4	1,1-Dichloroethene	214	**215**	**100**	67-115	
75-09-2	Methylene Chloride	210	**199**	**95**	68-114	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	**184**	**86**	55-139	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	**222**	**103**	65-115	
75-15-0	Carbon Disulfide	212	**183**	**86**	68-113	
156-60-5	trans-1,2-Dichloroethene	214	**211**	**99**	65-122	
75-34-3	1,1-Dichloroethane	212	**192**	**91**	63-118	
1634-04-4	Methyl tert-Butyl Ether	214	**153**	**71**	57-131	
108-05-4	Vinyl Acetate	1,070	**1210**	**113**	71-128	

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: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P200406-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: 4/6/20
Sample Type: 6.0 L Summa 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)	212	**213**	**100**	67-123	
156-59-2	cis-1,2-Dichloroethene	212	**199**	**94**	64-120	
110-54-3	n-Hexane	216	**187**	**87**	58-125	
67-66-3	Chloroform	214	**204**	**95**	65-114	
107-06-2	1,2-Dichloroethane	214	**205**	**96**	59-119	
71-55-6	1,1,1-Trichloroethane	214	**220**	**103**	66-115	
71-43-2	Benzene	210	**185**	**88**	66-109	
56-23-5	Carbon Tetrachloride	208	**212**	**102**	66-119	
78-87-5	1,2-Dichloropropane	214	**196**	**92**	66-119	
75-27-4	Bromodichloromethane	218	**211**	**97**	71-119	
79-01-6	Trichloroethene	216	**222**	**103**	70-114	
123-91-1	1,4-Dioxane	216	**231**	**107**	71-117	
10061-01-5	cis-1,3-Dichloropropene	214	**219**	**102**	72-125	
108-10-1	4-Methyl-2-pentanone	212	**203**	**96**	68-130	
10061-02-6	trans-1,3-Dichloropropene	212	**219**	**103**	71-132	
79-00-5	1,1,2-Trichloroethane	214	**220**	**103**	70-117	
108-88-3	Toluene	212	**217**	**102**	67-113	
591-78-6	2-Hexanone	216	**205**	**95**	62-135	
124-48-1	Dibromochloromethane	214	**247**	**115**	73-126	
106-93-4	1,2-Dibromoethane	214	**244**	**114**	71-122	
123-86-4	n-Butyl Acetate	218	**232**	**106**	65-134	
127-18-4	Tetrachloroethene	208	**234**	**113**	64-120	

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: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P200406-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: 4/6/20
Sample Type: 6.0 L Summa 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	214	**219**	**102**	65-116	
100-41-4	Ethylbenzene	212	**226**	**107**	65-117	
179601-23-1	m,p-Xylenes	426	**442**	**104**	64-121	
75-25-2	Bromoform	214	**269**	**126**	72-130	
100-42-5	Styrene	212	**252**	**119**	72-126	
95-47-6	o-Xylene	214	**224**	**105**	64-120	
111-84-2	n-Nonane	214	**194**	**91**	56-132	
79-34-5	1,1,2,2-Tetrachloroethane	214	**220**	**103**	66-122	
98-82-8	Cumene	214	**228**	**107**	64-121	
80-56-8	alpha-Pinene	212	**236**	**111**	62-136	
622-96-8	4-Ethyltoluene	210	**219**	**104**	71-126	
108-67-8	1,3,5-Trimethylbenzene	212	**221**	**104**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**233**	**110**	63-129	
100-44-7	Benzyl Chloride	214	**254**	**119**	66-138	
541-73-1	1,3-Dichlorobenzene	214	**239**	**112**	65-127	
106-46-7	1,4-Dichlorobenzene	214	**242**	**113**	65-125	
95-50-1	1,2-Dichlorobenzene	214	**242**	**113**	67-128	
5989-27-5	d-Limonene	212	**234**	**110**	65-136	
96-12-8	1,2-Dibromo-3-chloropropane	214	**255**	**119**	73-133	
120-82-1	1,2,4-Trichlorobenzene	216	**275**	**127**	62-140	
91-20-3	Naphthalene	212	**263**	**124**	57-149	
87-68-3	Hexachlorobutadiene	214	**249**	**116**	57-129	

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 DUPLICATE SUMMARY RESULTS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Computer Services - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-004DUP

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC00655

Initial Pressure (psig): -1.51 Final Pressure (psig): 3.93

Canister Dilution Factor: 1.41

Compound	Sample Result µg/m³	Sample Result ppbV	Duplicate Sample Result µg/m³	Duplicate Sample Result ppbV	Average µg/m³	% RPD	RPD Limit	Data Qualifier
Dichlorodifluoromethane (CFC 12)	3.97	0.803	3.87	0.782	3.92	**3**	25	
Chloromethane	ND	ND	ND	ND	-	-	25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	ND	ND	ND	-	-	25	
Vinyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Butadiene	ND	ND	ND	ND	-	-	25	
Bromomethane	ND	ND	ND	ND	-	-	25	
Chloroethane	ND	ND	ND	ND	-	-	25	
Ethanol	269	143	268	142	268.5	**0.4**	25	
Acetonitrile	ND	ND	ND	ND	-	-	25	
Acrolein	ND	ND	ND	ND	-	-	25	
Acetone	18.4	7.77	18.2	7.68	18.3	**1**	25	
Trichlorofluoromethane	6.44	1.15	6.35	1.13	6.395	**1**	25	
2-Propanol (Isopropyl Alcohol)	21.3	8.68	21.0	8.54	21.15	**1**	25	
Acrylonitrile	ND	ND	ND	ND	-	-	25	
1,1-Dichloroethene	ND	ND	ND	ND	-	-	25	
Methylene Chloride	1.10	0.318	1.16	0.333	1.13	**5**	25	
3-Chloro-1-propene (Allyl Chloride)	ND	ND	ND	ND	-	-	25	
Trichlorotrifluoroethane	ND	ND	ND	ND	-	-	25	
Carbon Disulfide	ND	ND	ND	ND	-	-	25	
trans-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	
1,1-Dichloroethane	ND	ND	ND	ND	-	-	25	
Methyl tert-Butyl Ether	ND	ND	ND	ND	-	-	25	
Vinyl Acetate	ND	ND	ND	ND	-	-	25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Computer Services - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-004DUP

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC00655

Initial Pressure (psig): -1.51 Final Pressure (psig): 3.93

Canister Dilution Factor: 1.41

Compound	Sample Result µg/m³	Sample Result ppbV	Duplicate Sample Result **µg/m³**	Duplicate Sample Result **ppbV**	Average µg/m³	**% RPD**	RPD Limit	**Data Qualifier**
2-Butanone (MEK)	3.49	1.18	3.46	1.17	3.475	**0.9**	25	
cis-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	
n-Hexane	ND	ND	ND	ND	-	-	25	
Chloroform	ND	ND	ND	ND	-	-	25	
1,2-Dichloroethane	ND	ND	ND	ND	-	-	25	
1,1,1-Trichloroethane	ND	ND	ND	ND	-	-	25	
Benzene	0.915	0.287	0.942	0.295	0.9285	**3**	25	
Carbon Tetrachloride	0.400	0.0637	0.393	0.0626	0.3965	**2**	25	
1,2-Dichloropropane	ND	ND	ND	ND	-	-	25	
Bromodichloromethane	ND	ND	ND	ND	-	-	25	
Trichloroethene	ND	ND	ND	ND	-	-	25	
1,4-Dioxane	ND	ND	ND	ND	-	-	25	
cis-1,3-Dichloropropene	ND	ND	ND	ND	-	-	25	
4-Methyl-2-pentanone	ND	ND	ND	ND	-	-	25	
trans-1,3-Dichloropropene	ND	ND	ND	ND	-	-	25	
1,1,2-Trichloroethane	ND	ND	ND	ND	-	-	25	
Toluene	3.21	0.852	3.25	0.862	3.23	**1**	25	
2-Hexanone	ND	ND	ND	ND	-	-	25	
Dibromochloromethane	ND	ND	ND	ND	-	-	25	
1,2-Dibromoethane	ND	ND	ND	ND	-	-	25	
n-Butyl Acetate	ND	ND	ND	ND	-	-	25	
Tetrachloroethene	3.95	0.583	3.94	0.582	3.945	**0.3**	25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **Verina Consulting Group, LLC**
Client Sample ID: **Computer Services - 032520** ALS Project ID: P2001738
Client Project ID: **Dover-Kirkwood / 5101.0002** ALS Sample ID: P2001738-004DUP

Test Code: EPA TO-15 Date Collected: 3/25/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 3/30/20
Analyst: Wida Ang Date Analyzed: 4/6/20
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC00655

Initial Pressure (psig): -1.51 Final Pressure (psig): 3.93

Canister Dilution Factor: 1.41

Compound	Sample Result µg/m³	Sample Result ppbV	Duplicate Sample Result **µg/m³**	Duplicate Sample Result **ppbV**	Average µg/m³	**% RPD**	RPD Limit	**Data Qualifier**
Chlorobenzene	ND	ND	ND	ND	-	-	25	
Ethylbenzene	ND	ND	ND	ND	-	-	25	
m,p-Xylenes	ND	ND	ND	ND	-	-	25	
Bromoform	ND	ND	ND	ND	-	-	25	
Styrene	ND	ND	ND	ND	-	-	25	
o-Xylene	ND	ND	ND	ND	-	-	25	
n-Nonane	ND	ND	ND	ND	-	-	25	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	-	-	25	
Cumene	ND	ND	ND	ND	-	-	25	
alpha-Pinene	1.56	0.279	1.55	0.278	1.555	**0.6**	25	
4-Ethyltoluene	ND	ND	ND	ND	-	-	25	
1,3,5-Trimethylbenzene	ND	ND	ND	ND	-	-	25	
1,2,4-Trimethylbenzene	ND	ND	ND	ND	-	-	25	
Benzyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,4-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,2-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
d-Limonene	4.28	0.769	4.28	0.768	4.28	**0**	25	
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	-	-	25	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	-	-	25	
Naphthalene	ND	ND	ND	ND	-	-	25	
Hexachlorobutadiene	ND	ND	ND	ND	-	-	25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.