VERINA Engineering, P.C.

2020 PERIODIC REVIEW REPORT

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



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

January 2021

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INTRODUCTION

On behalf of Dover Corporation (Dover), Verina Engineering, PC has prepared this Periodic Review Report (PRR) to document the remedial activities implemented in 2020 at the former Binghamton Plastics site in Binghamton, Broome County, New York, New York State Department of Conservation (NYSDEC) Site No. 7-04-024.

The activities implemented in 2020 include:

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

The project was implemented in accordance with the executed Order on Consent between Dover and the New York State of Environmental Conservation (NYSDEC), dated January 19, 2001, and the NYSDEC-approved Site Management Plan (SMP), dated April 14, 2017.

SITE HISTORY AND BACKGROUND

The former Binghamton Plastics site is located at 498 Conklin Avenue in Binghamton, Broome County, New York. The site occupies approximately two acres and consists of a one-story industrial building (approximately 44,800 square feet [ft^2]) with associated parking, landscaping, and storage areas. The site is located in a combined industrial and residential setting. Figure 1 is the site location map. A site map is presented on Figure 2.

Binghamton Plastics operated the facility until the early 1980s when Universal Instruments Corporation (UIC), a former subsidiary of Dover, purchased the property and converted the facility into a circuit board manufacturing plant. UIC operated the facility until it was taken over by Dover Electronics Corporation in the late 1980s. Manufacturing activities ceased at the site in the early 1990s. In 1993 Dover Electronics was separated from Dover and re-named Dovatron, Inc. In 1996, Dovatron, Inc. changed its name to DII Group.

In the early 1990s, the property was transferred to Flextronics International, Inc. but UIC retained responsibilities for the remediation of pre-existing environmental conditions. From the early 1990s until August 2001, the facility was leased to and used by McIntosh Laboratories for electronics repair operations. The site was then sold to TeamWorld, Inc., and the building is now used for silk screening, embroidery, packaging of clothing, and storage.

REMEDIAL ACTIVITIES

Remedial actions were implemented following the approval of the Remedial Design (RD) Package (BBL 2002) by the NYSDEC on June 29, 2002. The remedial action consisted of excavating the main source areas of constituents of concern (COCs) within the perched groundwater zone. Excavation and groundwater extraction activities were conducted to remove residual contamination in the form of phase-separated hydrocarbons (PSH), adsorbed volatile organic compounds (VOCs), and impacted groundwater.

Groundwater that drained from the excavated perched-zone soil during the remedial action or that accumulated in the open excavations was removed for offsite treatment and disposal.

Since 2004, the groundwater monitoring program has been implemented to assess the effectiveness of the remedial action in remediating COC concentrations within the perched groundwater at the site. The groundwater monitoring program consists of a baseline groundwater monitoring event that was conducted on April 1, 2002 prior to remedial activities and subsequent post-remedial quarterly groundwater monitoring events. The groundwater monitoring frequency was reduced from a quarterly to a semi-annual basis in 2011 based on the NYSDEC approval on December 23, 2010.

Pursuant to approval from NYSDEC in its letter dated November 14, 2008, the ISCO injection program was initiated in June 2009 to further reduce the residual COCs in groundwater. The injection of sodium permanganate solution has been conducted in the upgradient monitoring wells (MW-9, MW-10, and MW-17) as well as in the source area (MW-8, MW-11, and MW-16). The injection frequency was reduced from quarterly to semi-annual basis in 2011, but returned to a quarterly injection schedule in 2012. Additionally, one direct-push injection event within the plume area was conducted at the site in May 2013. Based upon a comparison of the March and September 2017 groundwater data, elevated levels of COCs in groundwater were still observed within several site monitoring wells and therefore VERINA continued the quarterly manual injection schedule in 2018. With NYSDEC's approval, the sodium permanganate injections were suspended in 2019 due to the decreases observed in COC concentrations since the remedial action was implemented in June 2009. Since June 2009, a total of 36 rounds of sodium permanganate manual injections have been conducted at the site.

In accordance with the 2012 Remedial Design Work Plan - Active Sub-slab Depressurization (ASD) System (VERINA 2012), an ASD system was installed at the site in July 2012 to mitigate the degradation of indoor air quality at the site. Monthly inspections of the ASD system were implemented since its full-time operation in July 2012.

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

2020 GROUNDWATER MONITORING PROGRAM

GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring events were conducted semi-annually in 2020 to monitor site groundwater conditions and to assess the effectiveness of the prior ISCO injection program to remediate COCs at the site. The first groundwater sampling event was conducted between March 20 and 22, 2020 and the second groundwater sampling event was conducted on September 23, 2020.

Prior to each sampling event, the depth to groundwater was measured from all accessible monitoring wells (DMW-3, DMW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-16, MW-17, and TMP-A) on site and recorded on VERINA's groundwater gauging logs in order to establish groundwater elevations and groundwater flow direction at the site. Water level measurements were taken with a Solinst® brand laser-marked water level meter equipped with a stainless steel probe and measuring tape graduated in units of 0.01 foot. Groundwater elevation measurements from March 2020 and September 2020 are summarized in Tables 1 and 2, respectively. A map showing the perched groundwater elevation isocontours and groundwater flow direction is included as Figure 3 for the March 2020 event and as Figure 4 for the September 2020 event.

After well gauging was completed, select monitoring wells including MW-8, MW-9, MW-10, MW-16, and MW-17 were sampled in March 2020. In addition to these wells, monitoring wells DMW-3, MW-11, and MW-13 were also included during the September 2020 sampling event. Groundwater sampling was conducted using low-flow methodology and groundwater quality parameters, including pH, dissolved oxygen (DO), conductivity, temperature, turbidity, and oxidation-reduction potential (ORP), were measured via a YSI® 600XL or 556 water quality instrument coupled with a flow-through cell. In addition to measuring field parameters, the purged groundwater from each well was visually inspected for the presence of a purple or pink color, which would indicate the presence of un-reacted permanganate within the groundwater. A change in color of the water in the wells from dark purple to light pink (i.e., > visual concentration of 0.5 milligrams per liter [mg/L]) or clear (i.e., < visual concentration of 0.5 mg/L) indicates that the permanganate would have been consumed, diluted, or transported with groundwater.

Groundwater samples from monitoring wells that exhibited residual permanganate, as indicated by a pink or purple color of the purge water, were collected in laboratory-provided unpreserved vials pre-charged in the field with sodium thiosulfate. The sodium thiosulfate was added to neutralize the residual permanganate in the groundwater sample as it may influence the performance of the laboratory's analytical instruments. During the March 2020 sampling event, monitoring wells MW-16, and MW-17 exhibited residual permanganate and monitoring wells MW-11 and MW-16 exhibited residual permanganate during the September 2020 sampling event. These wells were analyzed for residual sodium permanganate concentration in the field subsequent to site-specific parameter list (SSPL) VOC sampling using a Hach® DR890 or DR2800 colorimeter. A summary of the residual sodium permanganate groundwater concentrations is presented in Table 3.

As part of the quality assurance/quality control (QA/QC) procedures, one trip blank, one duplicate sample, one matrix spike sample, one matrix spike duplicate sample, and one equipment blank sample per sampling date were also collected during each sampling event. All samples were collected in laboratory-supplied glassware, packaged on ice, and shipped to ALS Environmental (formerly Columbia Analytical Services, Inc.), of Rochester, New York (New York Laboratory Certification 10145) for analysis. All samples were analyzed for SSPL VOCs using United States Environmental Protection Agency (USEPA) Method 8260C. The SSPL VOCs analyzed for were: tetrachloroethylene (PCE); trichloroethylene (TCE); 1,1,1-trichloroethane (TCA); 1,1-dichloroethane (1,1-DCA); 1,1-dichloroethene (1,1-DCE); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-1,2-DCE); and vinyl chloride (VC).

GROUNDWATER ELEVATION AND FLOW DIRECTIONS

The groundwater elevation data from March and September 2020 are summarized in Tables 1 and 2, respectively. The groundwater elevation contour map for the March and September 2020 events are provided as Figure 3 and Figure 4, respectively.

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

GROUNDWATER MONITORING ANALYTICAL RESULTS

The groundwater analytical data for the March and September 2020 monitoring events are summarized in Tables 4 and 5, respectively. The historical distribution of SSPL VOCs, including pre-full scale ISCO injection initiation sampling results, is summarized in Table 6. An isoconcentration map comparing the total molar concentration of PCE and its daughter products as chloride equivalents from June 2009, prior to the start of injection at the site, at the midpoint of injections in September 2015, and the plume as of September 2019 and September 2020 is presented as Figure 5. A graphical depiction of the decreasing trend of TCE concentrations, the site contaminant of concern with the highest observed historic concentrations, is presented as Figure 6. The groundwater sampling field logs for both the March and September 2020 sampling events are provided in Appendix A. The complete laboratory data reports for the groundwater sampling events are presented in Appendix B. The electronic data deliverables (EDDs) for each groundwater sampling event have previously been submitted to the NYSDEC.

Based on the information collected during 2020 semi-annual groundwater monitoring events, VERINA makes the following conclusions:

- In comparing the September 2020 to the June 2009 total molar concentration of PCE and its daughter products, the plume size of the highest molar concentration as chloride equivalents observed within the source zone near MW-8 and MW-16 has decreased significantly. This indicates an overall COC mass reduction (as represented by both PCE and daughter products)

within the perched groundwater beneath the site. Approximately 84% mass reduction of COCs in groundwater was estimated since the ISCO injection was implemented in 2009.

- In comparing the September 2019 and September 2020 contaminant concentrations, decreases in concentrations are noted in wells MW-16 and MW-17 while increases are noted in wells MW-8 and MW-11. The observed changes in groundwater plume isoconcentration geometry supports the existence of a perched groundwater zone beneath the site. VERINA will continue to monitor the progress of natural attenuation at the site.

- The plume of PCE and its daughter products continue to be contained within the perched groundwater on site.

- Several VOCs were detected above their respective NYSDEC groundwater quality standards in wells MW-8, MW-9, MW-10, MW-16 and MW-17 during the March 2020 sampling event. These VOCs consist of 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, 1,1,1-TCA, TCE and/or VC.

- During the September 2020 sampling event, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, 1,1,1-TCA, TCE and/or VC were detected above their respective NYSDEC groundwater quality standards in wells MW-8, MW-9, MW-10, MW-16 and/or MW-17.

- PCE was not detected above its NYSDEC groundwater quality standard in any of the monitoring wells sampled in 2020.

- The COC concentrations have followed a decreasing trend in the monitoring wells which indicate natural attenuation of COCs in groundwater is occurring at the site.

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

ASD SYSTEM INSPECTIONS

In accordance with the approved 2012 Remedial Design Work Plan – Active Sub-Slab Depressurization System (VERINA 2012), an ASD system was installed at the site. This system, shown on Figure 7, was installed in July 2012 to serve as a mitigation measure for elevated COC concentrations (specifically PCE and TCE) detected in the indoor air at the facility. Since installation and start-up, the ASD system has been operated continuously without disruption until December 2017 (see discussion below). Two rounds of indoor air sampling were conducted following implementation of the ASD system, on December 19, 2012 and December 10, 2013.

The ASD system has been effective at reducing the indoor air concentrations of COCs when comparing the December 2012 and December 2013 indoor air sampling results to the indoor air sampling results collected in March 2009 prior to the installation of the ASD system. Since no site specific COC concentrations in the indoor air samples exceeded the New York State Department of Health (NYSDOH)'s Indoor Air Guidance Values since 2012, NYSDEC approved in August 2014 that no additional indoor air sampling events need to be conducted unless changes or modifications to the ASD system and/or to the building are identified during the monthly ASD system inspections.

During 2020, monthly inspections of the ASD system were implemented including observing and documenting the conditions of ASD system components and any structural changes or modifications to the building, as well as recording the pressure gauge measurements at each of the four vapor extraction points. Monthly ASD inspection logs are included as Appendix C.

CONCLUSIONS AND RECOMMENDATIONS

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

- Based on the analytical results of the historic and current groundwater sampling events, COCs have not been detected in monitoring wells DMW-3, TMP-A, MW-11, MW-13, and MW-14 during several of the recent sampling events. This data supports the conclusion that the COC plume is contained at the site.

- A comparison of the 2020 groundwater sampling results to the historical baseline sampling results indicates that the total VOC mass in the groundwater at the site has decreased by 84%. The overall total mass of COCs in groundwater has decreased significantly since the remedial action was implemented in June 2009.

- The 2020 groundwater monitoring results indicated several COCs still exceed their respective NYSDEC groundwater quality standards. Those COCs whose detected concentrations are greater than one order of magnitude of their respective NYSDEC groundwater quality standards include cis-1,2-DCE and TCE in well MW-8 during both the March and September 2020 sampling events.

- The overall decreasing trends of COCs in groundwater indicate the COCs have been naturally attenuated at the site.

- The ASD system inspections indicated that the ASD system has been operated properly through 2020. No changes in system components nor building structures occurred in 2020.

Based on these conclusions, we recommend the following:

- VERINA will continue the semi-annual groundwater sampling program in March and September 2021. In March 2021, the wells to be sampled will include MW-8, MW-9, MW-10, MW-16, and MW-17. In addition to these wells, monitoring wells DMW-3, TMP-A, MW-11, and MW-13 will also be sampled during the September 2021 event, as shown on Table 7.

- VERINA will continue to assess the groundwater data in 2021 in accordance with the SMP.

- VERINA will continue monthly inspections of the ASD system in 2021.

The next PRR documenting site activities completed for 2021 along with IC/EC Certification will be submitted to the NYSDEC in January 2022.

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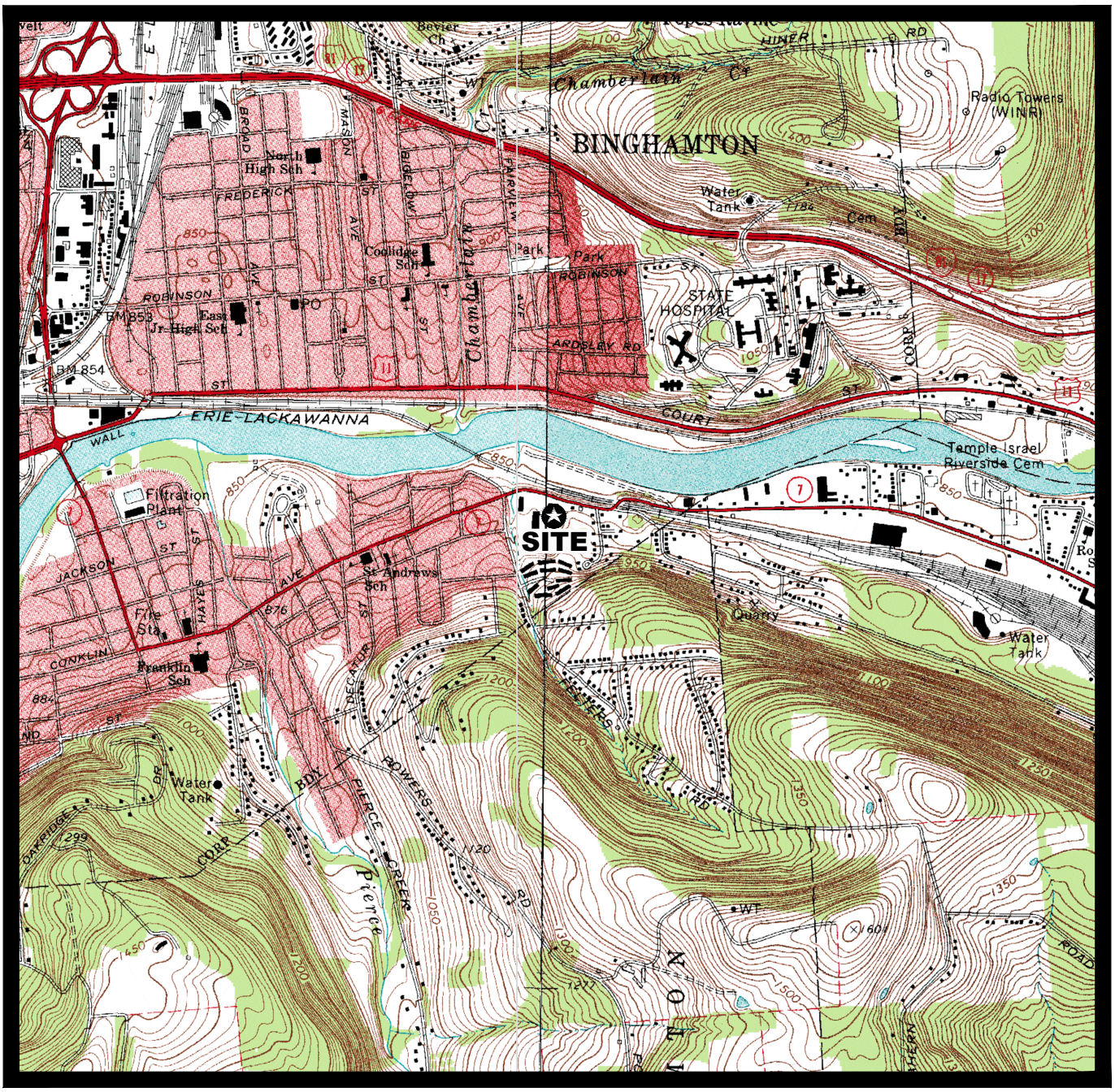
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Figures



WEST BINGHAMTON AND
EAST BINGHAMTON QUADRANGLES
7.5–MINUTE SERIES

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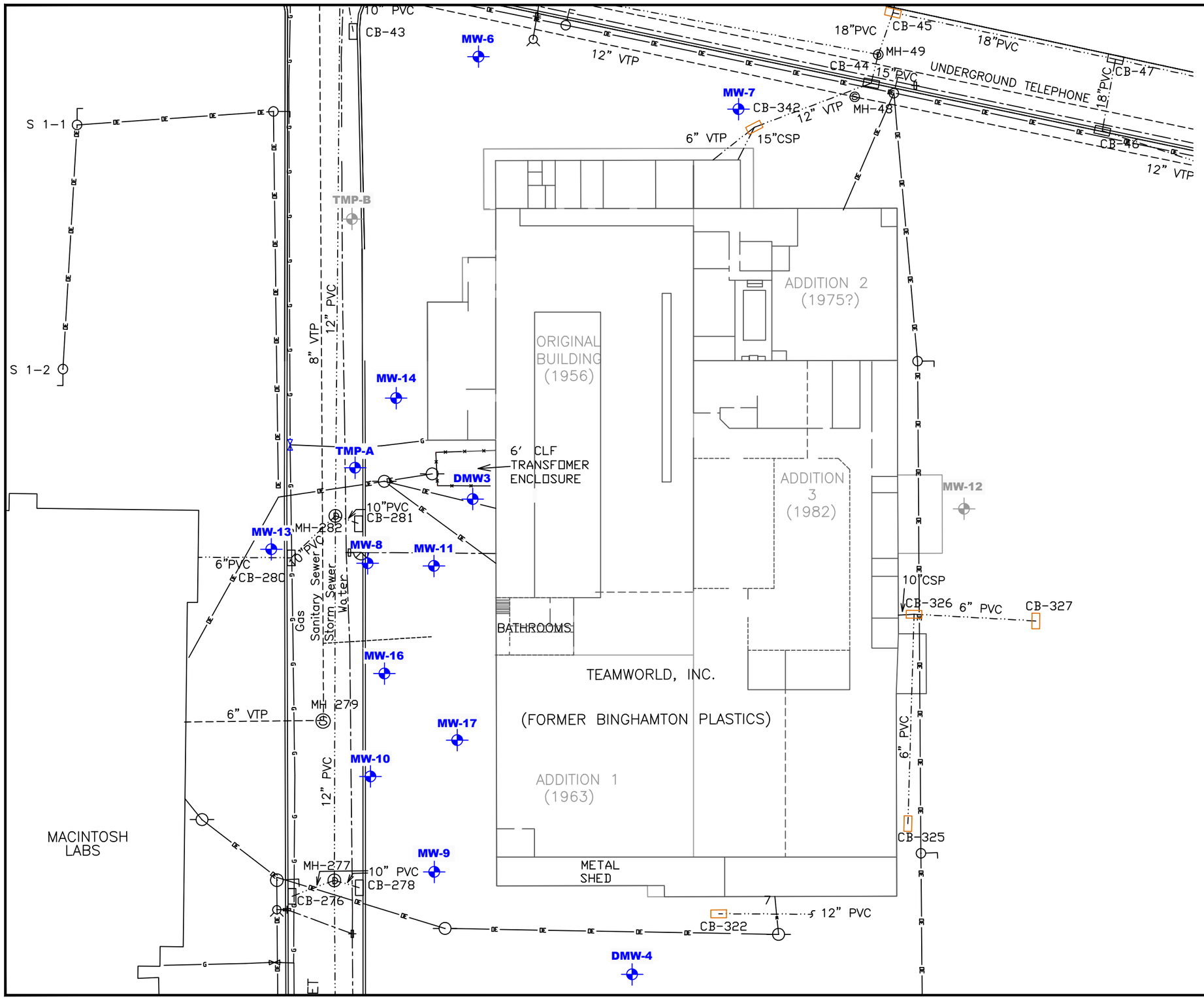
APPROXIMATE SCALE

FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

REGIONAL LOCATION MAP

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1



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EXPLANATION

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

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

0 40 FT.
APPROXIMATE SCALE

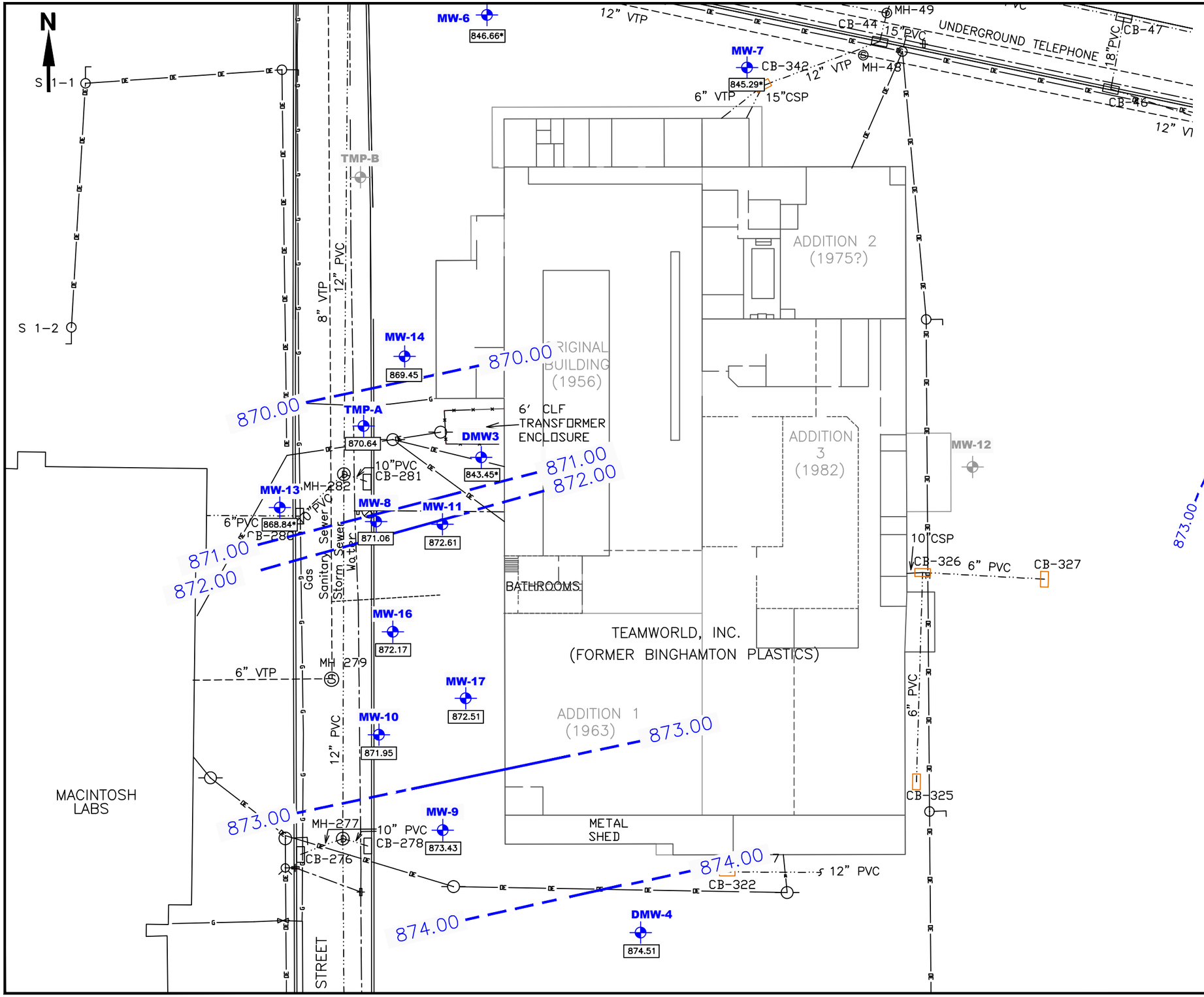
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

SITE MAP WITH MONITORING WELL LOCATIONS

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2

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EXPLANATION

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

CONTOUR INTERVAL = 1.0 FT., MSL
AVERAGE HYDRAULIC GRADIENT = 0.08 FT/FT

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

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

0 40 FT.
APPROXIMATE SCALE

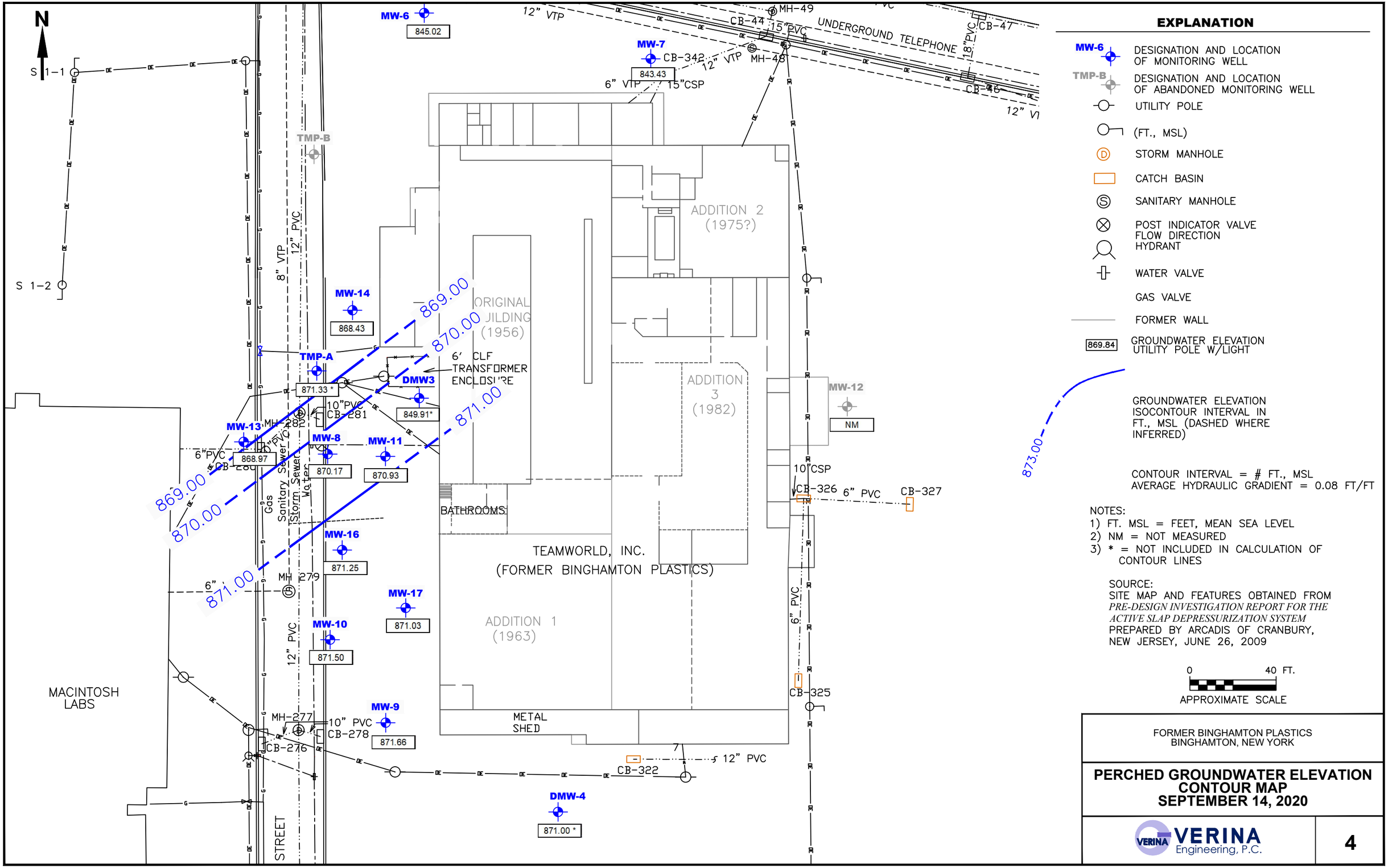
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

PERCHED GROUNDWATER ELEVATION CONTOUR MAP MARCH 25, 2020

VERINA Engineering, P.C.

3

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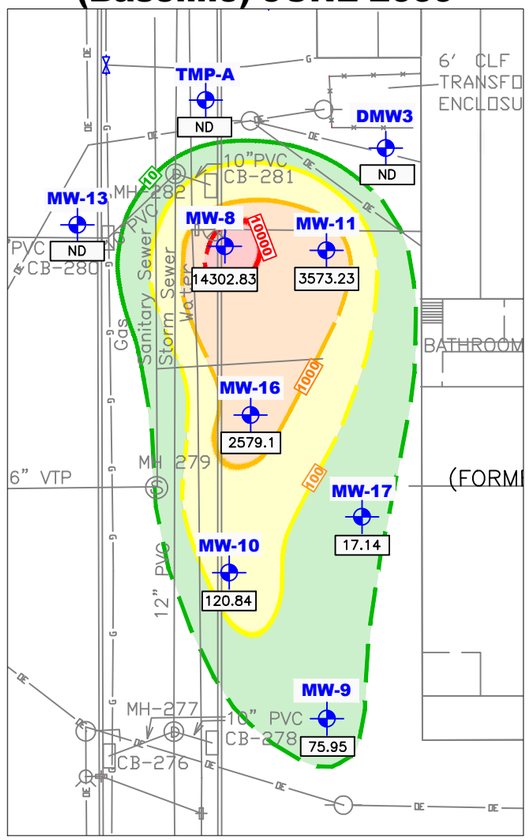
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

PERCHED GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 14, 2020

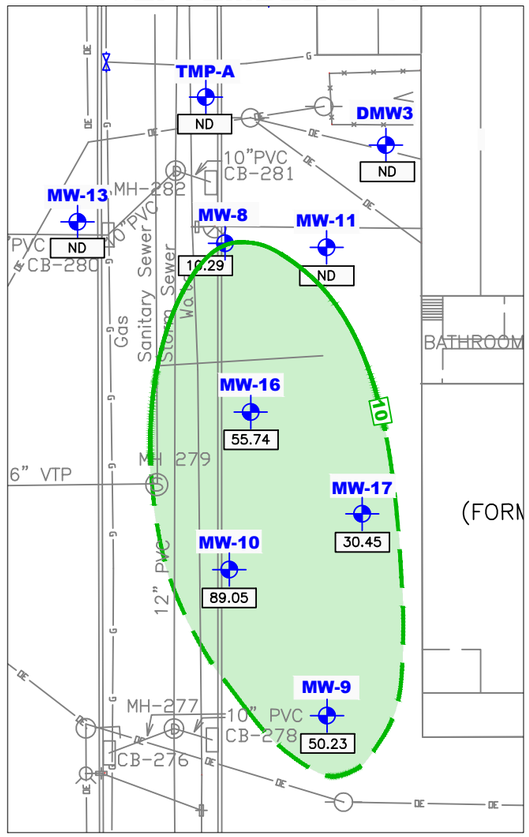
VERINA Engineering, P.C.

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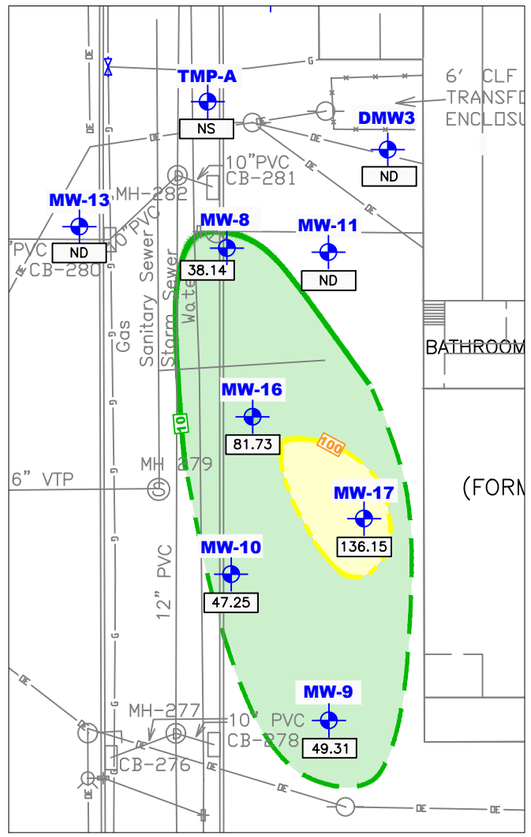
(Baseline) JUNE 2009



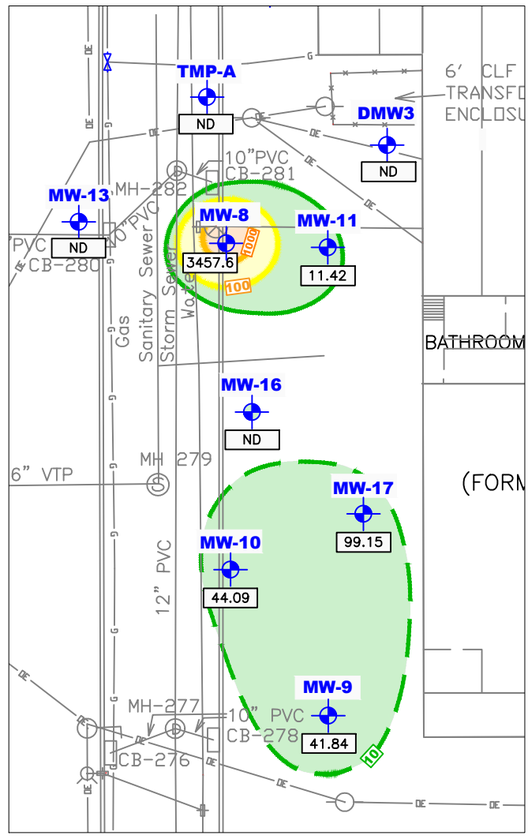
SEPTEMBER 2014



SEPTEMBER 2019



SEPTEMBER 2020



0 40 FT.

APPROXIMATE SCALE

EXPLANATION

- MOLAR CONCENTRATION > 10 (mol x 10^8)/L (AS CHLORIDE EQUIVALENTS)
- MOLAR CONCENTRATION > 100 (mol x 10^8)/L (AS CHLORIDE EQUIVALENTS)
- MOLAR CONCENTRATION > 1000 (mol x 10^8)/L (AS CHLORIDE EQUIVALENTS)
- MOLAR CONCENTRATION > 10000 (mol x 10^8)/L (AS CHLORIDE EQUIVALENTS)

NOTE:

CONTOUR LINES ARE DASHED WHERE INFERRED

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

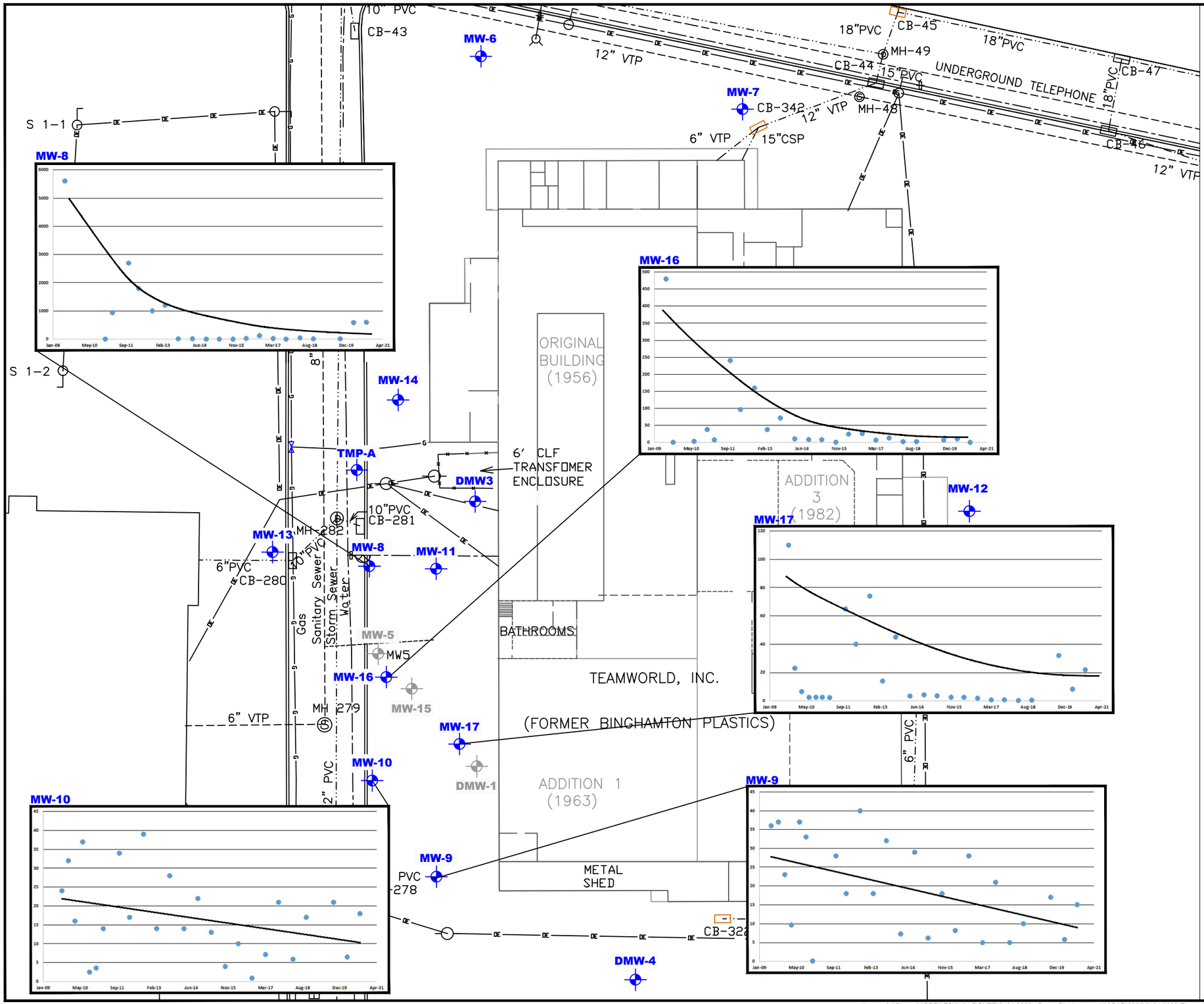
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

ESTIMATED PCE AND DAUGHTER PRODUCTS TOTAL MOLAR ISOCONCENTRATION PLUME MAPS AS CHLORIDE EQUIVALENTS, BASELINE TO SEPTEMBER 2020

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5

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EXPLANATION

- MW-6 — DESIGNATION AND LOCATION OF MONITORING WELL
- TMP-B — DESIGNATION AND LOCATION OF DESTROYED MONITORING WELL
- UTILITY POLE
- UTILITY POLE W/LIGHT
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- WATER VALVE
- GAS VALVE
- FORMER WALL

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

0 40 FT.
APPROXIMATE SCALE

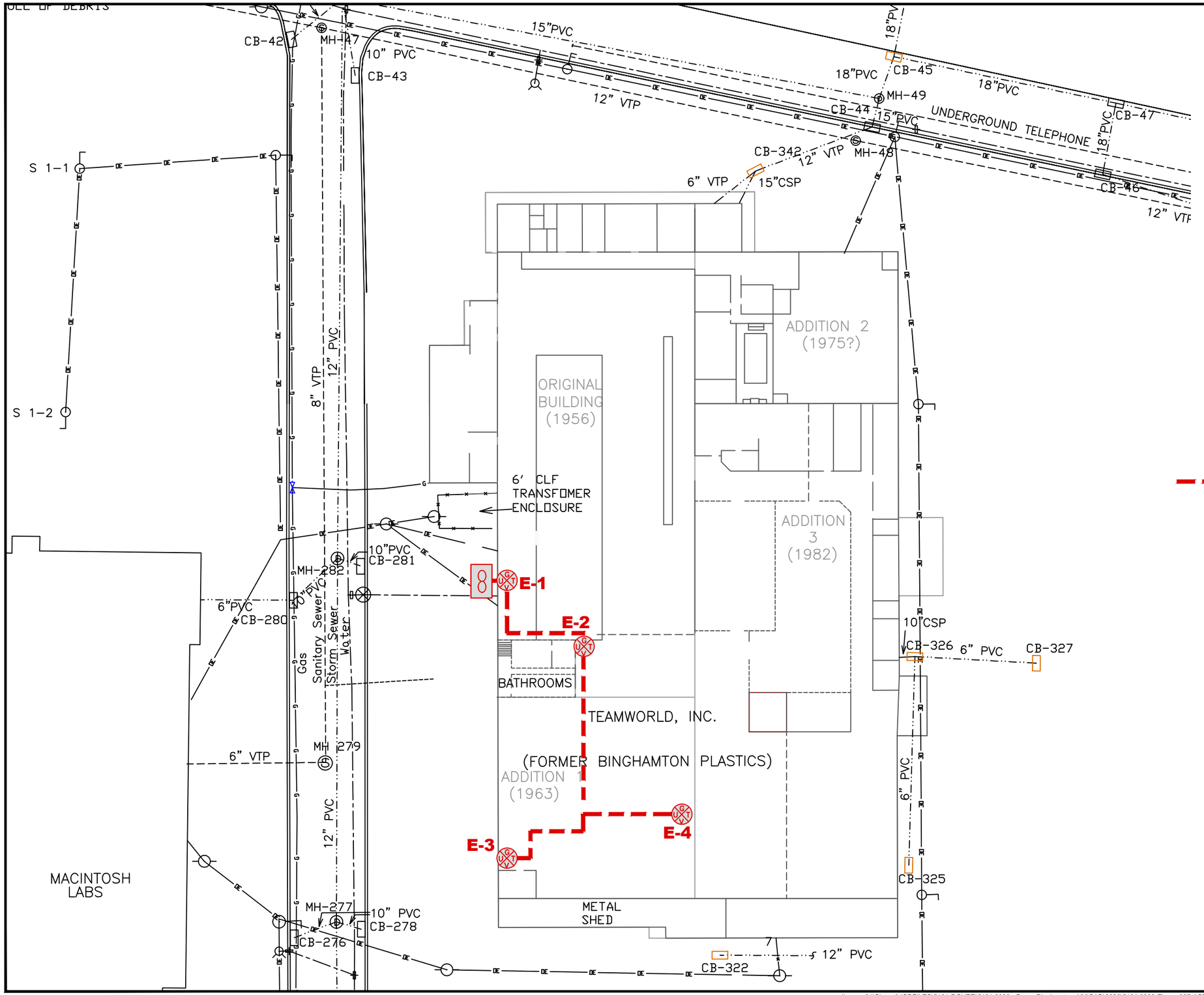
FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

TCE TREND ANALYSIS AT SELECT WELLS

VERINA Engineering, P.C.

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EXPLANATION

- UTILITY POLE
- UTILITY POLE W/LIGHT
- STORM MANHOLE
- CATCH BASIN
- SANITARY MANHOLE
- POST INDICATOR VALVE
- HYDRANT
- WATER VALVE
- GAS VALVE
- FORMER WALL
- E-1 DESIGNATION AND APPROXIMATE LOCATION OF SUCTION POINT WITH GATE VALVE AND VACUUM GAUGE
- APPROXIMATE LOCATION OF EXHAUST FAN
- APPROXIMATE LOCATION OF PIPE ROUTE

SOURCE:
1) SITE MAP AND FEATURES OBTAINED FROM *PRE-DESIGN INVESTIGATION REPORT FOR THE ACTIVE SLAP DEPRESSURIZATION SYSTEM* PREPARED BY ARCADIS OF CRANBURY, NEW JERSEY, JUNE 26, 2009
2) ASD SYSTEM LAYOUT OBTAINED FROM *SUB SLAB DEPRESSURIZATION AS BUILT SKETCH* PREPARED BY KEYSTONE MATERIAL TESTING, LLC OF BINGHAMTON, NEW YORK, AUGUST 1, 2012

0 40 FT.
APPROXIMATE SCALE

FORMER BINGHAMTON PLASTICS
BINGHAMTON, NEW YORK

ASD SYSTEM LAYOUT

VERINA Engineering, P.C.

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Tables

Table 1 - Groundwater Elevation Data - March 2020, Former Binghamton Plastics, Binghamton, New York

Monitoring Well	Well Diameter (in)	Total Depth (ft, bg)	Screened Interval (ft, bg)	Surface Elevation (ft, msl)	Top of Casing Elevation (ft, msl)	Top of PVC Elevation (ft, msl)	Depth to Water (ft, TOC)	Groundwater Elevation (ft, msl)
DMW-1	4	NA	5-15	876.19	876.44	874.21	Abandoned	NA
DMW-3	2	48.88	41-48	875.16	875.16	874.22	30.77	843.45
DMW-4	2	15.81	4-14	878.32	878.38	877.91	3.40	874.51
MW-5	2	NA	10-20	874.18	874.17	873.83	Abandoned	NA
MW-6	2	40.22	30-40	869.62	869.63	869.37	22.71	846.66
MW-7	2	39.92	30-40	869.96	869.99	869.60	24.31	845.29
MW-8	2	13.86	5-15	873.22	873.18	872.83	1.77	871.06
MW-9	2	14.53	5-15	875.02	875.04	874.76	1.33	873.43
MW-10	2	14.52	5-15	875.70	875.71	875.47	3.52	871.95
MW-11	2	19.33	10-20	874.53	874.52	874.14	1.53	872.61
MW-12	2	NA	35-45	873.70	873.70	873.38	Abandoned	NA
MW-13	2	14.00	5-15	874.08	874.09	873.60	4.76	868.84
MW-14	2	14.43	5-15	871.06	871.07	870.57	1.12	869.45
MW-15	2	NA	5-15	874.06	874.16	873.69	Abandoned	NA
MW-16	2	13.31	5-15	874.56	NS	874.11	1.94	872.17
MW-17	2	14.03	5-15	874.03	NS	873.74	1.23	872.51
TMP-A	1	7.32	3-8	871.59	NS	871.39	0.75	870.64
TMP-B	1	NA	5-10	869.57	NS	869.36	Abandoned	NA

NOTES:

Elevation is surveyed to National Vertical Datum - 1929

in = Inches

ft, bg = Feet below grade

ft, msl = Feet above mean sea level

ft, TOC = Feet from top of inner well casing

NA = Not available

NM = Not measured

NS = Not surveyed

Groundwater elevation measured on March 24, 2020

Table 2 - Groundwater Elevation Data - September 2020, Former Binghamton Plastics, Binghamton, New York

Monitoring Well	Well Diameter (in)	Total Depth (ft, bg)	Screened Interval (ft, bg)	Surface Elevation (ft, msl)	Top of Casing Elevation (ft, msl)	Top of PVC Elevation (ft, msl)	Depth to Water (ft, TOC)	Groundwater Elevation (ft, msl)
DMW-1	4		5-15	876.19	876.44	874.21	Abandoned	NA
DMW-3	2	48.51	41-48	875.16	875.16	874.22	24.31	849.91
DMW-4	2	15.35	4-14	878.32	878.38	877.91	6.91	871.00
MW-5	2		10-20	874.18	874.17	873.83	Abandoned	NA
MW-6	2	40.26	30-40	869.62	869.63	869.37	24.35	845.02
MW-7	2	39.92	30-40	869.96	869.99	869.60	26.17	843.43
MW-8	2	13.80	5-15	873.22	873.18	872.83	2.66	870.17
MW-9	2	14.41	5-15	875.02	875.04	874.76	3.10	871.66
MW-10	2	14.28	5-15	875.70	875.71	875.47	3.97	871.50
MW-11	2	19.04	10-20	874.53	874.52	874.14	3.21	870.93
MW-12	2	NM	35-45	873.70	873.70	873.38	NM	NM
MW-13	2	14.78	5-15	874.08	874.09	873.60	4.63	868.97
MW-14	2	14.44	5-15	871.06	871.07	870.57	2.14	868.43
MW-15	2		5-15	874.06	874.16	873.69	Abandoned	NA
MW-16	2	13.17	5-15	874.56	NS	874.11	2.86	871.25
MW-17	2	14.83	5-15	874.03	NS	873.74	2.71	871.03
TMP-A	1	7.12	3-8	871.59	NS	871.39	0.06	871.33
TMP-B	1		5-10	869.57	NS	869.36	Abandoned	NA

NOTES:

Elevation is surveyed to National Vertical Datum - 1929

in = Inches

ft, bg = Feet below grade

ft, msl = Feet above mean sea level

ft, TOC = Feet from top of inner well casing

NA = Not available

NM = Not measured

NS = Not surveyed

Groundwater elevation measured on September 14, 2020

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

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	December 2009	March 2010	June 2010	September 2010	December 2010	March 2011
MW-8	131.5	149	105.50	9.56	>19.8	3.74
MW-9	0.30	1.736	1.47	10.04	NS	18.91
MW-10	3.07	4.268	NS	3.57	>19.8	156.34
MW-11	132.2	149.1	151.70	120.80	>19.8	155.98
MW-16	29.71	95.1	76.99	105.60	>19.8	0.835
MW-17	NS	NS	103.00	11.21	>19.8	155.98

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	October 2011	March 2012	September 2012	March 2013	September 2013	March 2014
MW-8	0.16	17.2	1.3	0.5	70	14
MW-9	NS	7.3	NS	0.2	NS	3.0
MW-10	NS	2.4	NS	NS	NS	NS
MW-11	35.80	26.1	10.7	30	34	20
MW-16	146.46	4.6	1.7	1.1	1.3	3.1
MW-17	NS	NS	4.7	2.5	1.0	2.9

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	March 2014	September 2014	March 2015	September 2015	March 2016	September 2016
MW-8	14.0	10.0	10.3	164	102	35.1
MW-9	3.0	1.1	1.0	24	29	93.8
MW-10	NS	NS	NS	0.8	NS	NS
MW-11	20.0	11.1	NS	6.0	NS	221.2
MW-16	3.1	114	110.8	8.0	12	67
MW-17	2.9	24.4	23.7	104	99	112

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	March 2017	September 2017	March 2018	September 2018	March 2019	September 2019
MW-8	81.9	68.6	93.6	1.2	99.1	19.6
MW-9	13.7	8.7	16.8	0.1	33.7	NA
MW-10	NS	NS	NS	NS	23.7	NA
MW-11	NS	315.2	NS	22.7	NS	147.2
MW-16	160.0	302.4	93	0.1	354.0	149.6
MW-17	12.0	238.5	84.6	2.4	231.9	3.5

Well ID No.	Residual Sodium Permanganate by Permanganate Ion Analysis (ppm)					
	March 2020	September 2020				
MW-8	NS	NS				
MW-9	NS	NS				
MW-10	NS	NS				
MW-11	NS	166.4				
MW-16	183.9	97.7				
MW-17	67.6	NS				

NOTES:

ppm = parts per million

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

NS = Not sampled due to no pink or purple color in water

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

Table 4 - Groundwater Analytical Data - March 2020, Former Binghamton Plastics, Binghamton, New York

Sample ID		MW-8 032520	MW-9 032520	MW-10 032520	MW-16 032620	DUP-032620
Laboratory ID		R2002580-002	R2002580-004	R2002580-003	R2002580-007	R2002580-010
Date Sampled	NYSDEC	3/25/2020	3/25/2020	3/25/2020	3/26/2020	3/26/2020
Units	GWQS	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	3.0	1.0 U	0.47 J	**15**	**17**
1,1-Dichloroethene	5	**5.3**	1.0 U	1.0 U	0.29 J	0.74 J
cis-1,2-Dichloroethene	5	**480 D**	0.34 J	1.9	**34**	**44**
trans-1,2-Dichloroethene	5	**8.6**	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	0.42 J	1.0 U	0.23 J
1,1,1-Trichloroethane	5	2.4	1.0 U	0.53 J	**6.7**	**6.6**
Trichloroethene	5	**580 D**	**6.5**	**5.8**	**10**	**17**
Vinyl Chloride	2	**2.2**	1.0 U	1.0 U	1.0 U	1.0 U

Sample ID		MW-17 032620	FB-032520	FB-032620	TB-032520	TB-032620
Laboratory ID		R2002580-008	R2002580-005	R2002580-009	R2002580-001	R2002580-006
Date Sampled	NYSDEC	3/26/2020	3/25/2020	3/26/2020	3/25/2020	3/26/2020
Units	GWQS	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Dichloroethane	5	**6.9**	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	0.26 J	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	**19**	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
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	0.86 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	**8.3**	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

J = Estimated value

µg/l = micrograms per liter

Bold = concentration exceeds NYSDEC GWQS

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

NYSDEC = New York State Department of Environmental Conservation

GWQS = Ground Water Quality Standards

"FB" indicates the sample is a field blank sample

"TB" indicates samples is a trip blank sample

Table 5 - Groundwater Analytical Data - September 2020, Former Binghamton Plastics, Binghamton, New York

Sample ID		MW-8	MW-9 09142020	MW-10 09142020	MW-11 09142020	MW-13 09142020	MW-16 09142020
Laboratory ID		R2008811-010	R2008811-005	R2008811-003	R2008811-002	R2008811-011	R2008811-006
Date Sampled	NYSDEC	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Units	GWQS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	5	**6.0**	1.0 U	0.83 J	1.0 U	1.0 U	**21**
1,1-Dichloroethene	5	**9.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	**1000 D**	0.36 J	3.6	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	**12**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	5.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	3.0 J	0.70 J	2.3	1.0 U	1.0 U	**6.6**
Trichloroethene	5	**600**	**18**	**15**	5.0 J	1.0 U	1.0 U
Vinyl Chloride	2	**14**	1.0 U	0.26 J	1.0 U	1.0 U	1.0 U

Sample ID		DUP 09142020	MW-17 09142020	DMW-3 09142020	TMP-A 09142020	FB 09142020	TB 09142020
Laboratory ID		R2008811-012	R2008811-008	R2008811-007	R2008811-004	R2008811-009	R2008811-001
Date Sampled	NYSDEC	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Units	GWQS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	5	**23**	**38**	1.0 U	0.76 J	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	0.30 J	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	**23**	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	0.61 J	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5	**7.0**	4.7	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	**22**	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	1.0 U	1.0 U

Notes:

J = Estimated value

µg/l = micrograms per liter

Bold = concentration exceeds NYSDEC GWQS

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

NYSDEC = New York State Department of Environmental Conservation

GWQS = Ground Water Quality Standards

"FB" indicates the sample is a field blank sample

"TB" indicates samples is a trip blank sample

D = Result obtained from a sample dilution

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

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

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
DMW-1	2/8/1999	1000	< 180	< 360	8200	71
DMW-3	12/10/1998	<2.5	<2.5	<0.5	1.1 J	<10
	9/18/2001	< 0.5	< 0.5	< 0.5	0.5 J	< 0.5
	4/1/2002	0.03 J	< 0.5	< 0.5	0.3 J	< 0.5
	9/19/2002	0.2 J	<0.5	0.07 J	0.3 J	<0.5
	3/28/2003	<0.5	<0.5	0.2 J	0.1 J	<0.5
	6/19/2003	0.8	<0.5	0.3 J	0.8	<0.5
	9/16/2003	<0.5	<0.5	0.3 J	0.08 J	<0.5
	1/6/2004	<0.5	0.091 J	0.31 J	0.16 J	<0.5
	4/6/2004	0.2 J	<0.5	0.25 J	0.15 J	<0.5
	6/24/2004	<0.5	<0.5	0.17	<0.5	<0.5
	9/20/2004	<0.5	<0.5	0.23 J	0.13 J	<0.5
	3/23/2005	<0.5	<0.5	<0.5	0.13J	<0.5
	9/27/2005	<2	<2	<1	<1	<2
	3/7/2006	<5	<5	0.43J	<5	<5
	5/25/2006	<5	<5	<5	<5	<5
	9/19/2006	<5	<5	<5	<5	<5
	4/2/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	8/28/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	10/15/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	3/24/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	7/22/2008	<5.0	<5.0	<5.0	0.88 J	<5.0
	10/7/2008	<5.0	<5.0	<5.0	0.40 J	<5.0
	12/2/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	6/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	12/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	6/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/14/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2019	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2020	<1.0	<1.0	<1.0	<1.0	<1.0
DMW-4	12/9/1998	< 2.5	< 2.5	< 5	1.2J	< 10
TMP-A	3/22/2005	<0.5	<0.5	<0.5	<0.5	<0.5
	9/27/2005	<2	<2	<1	<2	<2
	3/7/2006	<5	<5	<5	<5	<5
	5/25/2006	<5	<5	<5	<5	<5
	9/19/2006	<5	<5	<5	<5	<5
	4/2/2007	<5	<5	<5	<5	<5
	7/23/2008	<5	<5	<5	<5	<5
	10/7/2008	<5	<5	<5	<5	<5
	3/9/2009	<5	<5	<5	<5	<5
	6/9/2009	<5	<5	<5	<5	<5
	9/16/2009	<5	<5	<5	<5	<5
	3/8/2010	<5	<5	<5	<5	<5
	10/27/2011	<5	<5	<5	<5	<5
	3/13/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/5/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2020	<1.0	<1.0	<1.0	<1.0	<1.0
MW-2	12/10/1998	7.9	< 2.5	1.3 J	86	< 10
MW-5	12/10/1998	480	11	1	17,000	20
	9/18/2001	370 J	< 500	<500	23,000	< 500
	4/1/2002	0.3 J	< 0.5	0.06 J	48	< 0.5
MW-6	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10
MW-7	12/8/1998	< 2.5	< 2.5	< 5	< 5	< 10
MW-8	12/10/1998	0.25	< 5	< 0.01	0.35	<20
	9/18/2001	650	< 25	< 25	100	44
	4/1/2002	170	2	6	230	6
	9/18/2002	240	3 J	<6	560	<6
	3/28/2003	370	4	0.4 J	420	16
	6/19/2003	1,000	19	<13	810	36
	9/16/2003	960	14 J	<31	250	240
	1/6/2004	670	7.3 J	<18	500	7.7 J
	4/6/2004	1,900	12 J	<50	420	300
	6/24/2004	2,500	27	83	170	430
	9/20/2004	6,200	75	<210	380	740
	3/23/2005	4,000	44 J	<0.5	930	490
	6/14/2005	<2	<2	<1	<1	<2
	9/27/2005	<2	<2	<1	<1	<2
	3/7/2006	<50	<50	<50	<50	<50
	4/2/2007	110	0.69J	<5.0	360D	<5.0
	10/15/2007	640 D	9.8 J	<13	2700 D	66
	3/24/2008	170	3.3 J	<13	790 D	4.2 J
	7/22/2008	900	14 J	<100	3400	120
	10/7/2008	640	18 J	<100	3200	82 J
	12/2/2008	440	6.4 J	<25	2200 D	3.6 J
	3/10/2009	450	<100	<100	2200	38 J
	6/9/2009	680	14 J	<50	5600 D	53
	9/14/2009	NS	NS	NS	NS	NS
	12/8/2009	NS	NS	NS	NS	NS
	3/8/2010	NS	NS	NS	NS	NS
	6/21/2010	NS	NS	NS	NS	NS
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	100	0.43 J	<5.0	940 D	3.9 J
	10/27/2011	330 D	1.6 J	<5.0	2700 D	21
	3/13/2012	290	3.2 J	<50	1800	32 J
	9/17/2012	360	<50	<50	1000	33 J
	3/11/2013	210	11 J	<50	1200	5.3 J
	9/2/2013	1.7 J	<5.0	<5.0	16	<5.0
	3/17/2014	0.85 J	<5.0	<5.0	12	<5.0
	9/20/2014	0.67 J	<5.0	<5.0	3.9 J	<5.0
	3/18/2015	0.75 J	<5.0	<5.0	6.4	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	3/17/2016	9.1	<1.0	<1.0	27	<1.0
	9/15/2016	71	<1.0	<1.0	120	<1.0
	3/22/2017	29	<1.0	<1.0	26	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
	3/22/2018	67	0.33 J	<1.0	50	<1.0
	9/20/2018	11 (15)	<1.0	<1.0 (<1.0)	8.7 (9.7)	<1.0 (<1.0)
	3/20/2019	92	<10.0	<10.0	24	<10.0
	9/23/2019	4.1	<1.0	<1.0	13	<1.0
	3/25/2020	480 D	8.6	<1.0	580 D	2.2
	9/14/2020	1000 D	12	<5.0	600	14

See notes on last page.

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
MW-9	12/10/1998	7.3	< 2.5	1.2J	77	< 10
	4/1/2002	0.6	< 0.5	0.2 J	20	< 0.5
	9/18/2002	7	0.08 J	1	57 J	0.9 J
	3/28/2003	1	<0.5	0.4 J	16	<0.5
	6/19/2003	3	0.04 J	0.5	26	0.09 J
	916/2003	4.1	<1.3	0.61 J	40	<1.3
	1/6/2004	2.4	0.083 J	0.48 J	23	<0.5
	4/6/2004	0.8 J	<1	0.61 J	30	<1
	6/24/2004	4.7	<0.5	0.53	27	0.52
	9/20/2004	6.2	<2.0	0.79 J	57	<2.0
	3/23/2005	0.78	<0.5	0.23 J	17	<0.5
	9/27/2005	5.5	<2	<2	46	<2
	3/7/2006	<5	<5	<5	<5	<5
	4/2/2007	0.85J	<5.0	<5.0	24	<5.0
	8/28/2007	8.4	<5.0	0.88 J	55	0.67 J
	10/15/2007	10	<5.0	0.81 J	55	<5.0
	3/24/2008	0.44 J	<5.0	<5.0	19	<5.0
	7/21/2008	12	<5.0	0.55 J	45	0.55 J
	10/8/2008	7.1	<5.0	0.59 J	49	<5.0
	12/2/2008	5.8	<5.0	0.47 J	49	<5.0
	3/10/2009	2.1 J	<5.0	<5.0	24	<5.0
	6/10/2009	1.4 J	<5.0	<5.0	32	<5.0
	9/16/2009	1.9 J	<5.0	0.83 J	24	<5.0
	12/8/2009	2.2 J	<5.0	0.43 J	32	<5.0
	3/8/2010	0.78 J	<5.0	<5.0	16	<5.0
	6/21/2010	1.60 J	<5.0	<5.0	37	<5.0
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/16/2010	<5.0	<5.0	<5.0	3.6 J	<5.0
	3/23/2011	<5.0	<5.0	<5.0	14	<5.0
	10/26/2011	0.76 J	<5.0	0.38 J	34	<5.0
	3/13/2012	0.21 J	<5.0	<5.0	17	<5.0
	9/18/2012	1.1 J	<5.0	0.39 J	39	<5.0
	3/11/2013	<5.0	<5.0	<5.0	14	<5.0
	9/5/2013	0.94 J	<5.0	0.31 J	28	<5.0
	3/17/2014	0.41 J	<5.0	<5.0	14	<5.0
	9/21/2014	<5.0	<5.0	<5.0	22	<5.0
	3/19/2015	0.92 J	<5.0	<5.0	13	<5.0
	9/23/2015	<5.0	<5.0	<5.0	4.0 J	<5.0
	3/17/2016	0.31 J	<1.0	<1.0	10	<1.0
	9/15/2016	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	0.95 J (0.91 J)	<1.0 (<1.0)
	3/21/2017	<1.0	<1.0	<1.0	7.1	<1.0
	9/14/2017	0.92 J	<1.0	0.30 J	21	<1.0
	3/22/2018	<1.0	<1.0	<1.0	5.9	<1.0
	9/20/2018	<1.0	<1.0	<1.0	17	<1.0
	3/20/2019	<10.0	<10.0	<10.0	5.3 J	<10.0
	9/23/2019	0.32 J	<1.0	0.29 J	21	<1.0
	3/25/2020	0.34 J	<1.0	<1.0	6.5	<1.0
	9/14/2020	0.36 J	<1.0	<1.0	18	<1.0
MW-10	12/10/1998	18	< 2.5	54	64	2.3 J
	9/18/2001	10	< 1.4	2	21	18
	4/1/2002	11	0.3 J	1	16	2
	9/18/2002	14	0.4 J	4	53 J	21
	3/28/2003	11	0.2 J	2	25	2
	6/19/2003	13	0.5 J	3	32	9
	9/16/2003	15	0.39 J	2.4	42	12
	1/6/2004	4.3	0.26 J	1.6	13	0.43 J
	4/6/2004	4.7	<0.5	0.89	13	0.38 J
	6/24/2004	16	0.65	2.6	45	8.6
	9/20/2004	3.4	0.15 J	2.7	16	0.9
	3/23/2005	3.8	0.11 J	1.1	12	0.57
	9/27/2005	13	<2	3	50	6.6
	3/7/2006	9.3	<5	1.6J	27	2.5J
	9/19/2006	17	0.48J	2.2J	32	5.9
	8/28/2007	12	0.33 J	2.2 J	31	5.9
	10/15/2007	4.8 J	<5.0	2.1 J	16	1.7 J
	3/24/2008	3.9 J	<5.0	0.53 J	6.6	<5.0
	7/21/2008	3.7 J	<5.0	0.45 J	5.3	0.72 J
	10/8/2008	12	0.26 J	1.4 J	25	5.3
	12/2/2008	4.4 J	<5.0	1.2 J	9.4	<5.0
	3/10/2009	4.3 J	<5.0	0.77 J	9.2	<5.0
	6/8/2009	15	<5.0	1.6 J	36	2.4 J
	9/14/2009	18	<5.0	2.0 J	37	4.8 J
	12/9/2009	13	<5.0	1.3 J	23	1.1 J
	3/8/2010	5.3	<5.0	0.71 J	9.7	<5.0
	6/22/2010	19	0.29 J	1.6 J	37	3.5 J
	9/21/2010	18	0.32 J	1.8 J	33	4.5 J
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	86	<5.0	0.67 J	180	1.8 J
	10/26/2011	11	0.21 J	1.7 J	28	2.2 J
	3/13/2012	6	<5.0	0.81 J	18	0.46 J
	9/17/2012	14	<5.0	1.8 J	40	2.7 J
	3/11/2013	7.9	<5.0	0.72 J	18	0.49 J
	9/2/2013	11	<5.0	1.7 J	32	1.1 J
	3/17/2014	3.4 J	<5.0	0.63 J	7.3	<5.0
	9/21/2014	8.9	<5.0	1.4 J	29	0.69 J
	3/18/2015	2.1 J	<5.0	0.66 J	6.2	<5.0
	9/23/2015	3.2 J (3.1 J)	<5.0 (<5.0)	1.5 J (1.3 J)	18 (17)	<5.0 (<5.0)
	3/17/2016	2.9	<1.0	0.76 J	8.2	<1.0
	9/15/2016	6.3	<1.0	1.6	28	0.36 J
	3/21/2017	2.6	<1.0	0.70 J	5.0	<1.0
	9/14/2017	5.1 (4.9)	<1.0 (<1.0)	1.3 (1.4)	21 (21)	0.38 J (<1.0)
	3/20/2018	2.2	<1.0	0.52 J	5.0	<1.0
	9/20/2018	2.6	<1.0	0.87 J	10	<1.0
	3/20/2019	2	<1.0	0.52 J	7.0	<1.0
	9/23/2019	2.8	<1.0	1.1	17	<1.0
	3/25/2020	1.9	<1.0	0.42 J	5.8	<1.0
	9/14/2020	3.6	<1.0	1.0	15	0.26 J

See notes on last page.

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

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
MW-11	12/9/1998	1,100	11	< 5	1,400	140
	9/18/2001	850	< 31	<31	700	77
	4/1/2002	1,100	12	<50	1,500	23
	9/19/2002	1,600	12 J	<25	2,100	82
	3/28/2003	1,200	11	0.2 J	2,400	58
	6/19/2003	1,300	10 J	<25	2,500	24 J
	9/16/2003	1,700	13 J	<83	2,500	170
	1/6/2004	1,200	31 J	<53	1,500	28 J
	4/6/2004	1,700	17	<83	2,300	6.8
	6/24/2004	1,600	18	<63	1,900	29
	9/20/2004	2,300 D	26 DJ	<63	2,200 D	58 DJ
	3/23/2005	1,500 D	21	<0.5	1,300 D	7.8
	6/14/2005	<2	<2	<1	<1	<2
	9/27/2005	<2	<2	<1	<1	<2
	3/7/2006	<500	<500	<500	<500	<500
	10/15/2007	<5.0	<5.0	<5.0	<5.0	< 5.0
	3/24/2008	130	<25	<25	520	5.2 J
	7/22/2008	1900	15 J	<100	2900	140
	10/7/2008	NS	NS	NS	NS	NS
	12/2/2008	NS	NS	NS	NS	NS
	3/11/2009	990	9.1 J	<25	3200 D	67
	6/8/2009	NS	NS	NS	NS	NS
	9/14/2009	NS	NS	NS	NS	NS
	12/8/2009	NS	NS	NS	NS	NS
	3/9/2010	NS	NS	NS	NS	NS
	6/21/2010	NS	NS	NS	NS	NS
	9/20/2010	NS	NS	NS	NS	NS
	12/16/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/27/2011	<5.0	<5.0	<5.0	0.57 J	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/17/2012	<5.0	<5.0	<5.0	0.62 J	<5.0
	3/11/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/2/2013	1.2 J	<5.0	<5.0	4.3 J	<5.0
	3/18/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<25	<25	<25	<25	<25
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<10	<10	<10	<10	<10
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2019	<10	<10	<10	<10	<10
	9/14/2020	<1.0	<1.0	<1.0	5.0 J	<1.0
MW-12	12/7/1998	< 2.5	< 2.5	< 5	< 5	< 10
MW-13	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10
	3/24/2008	NS	NS	NS	NS	NS
	7/23/2008	NS	NS	NS	NS	NS
	10/9/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	12/2/2008	<5.0	<5.0	<5.0	0.96 J	<5.0
	3/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	6/10/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	12/7/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/16/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	3/14/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2016	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2017	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2019	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2020	<1.0	<1.0	<1.0	<1.0	<1.0
MW-14	12/9/1998	< 2.5	< 2.5	< 5	< 5	< 10
	9/18/2001	< 0.5	< 0.5	< 0.5	0.2J	< 0.5
	3/28/2003	<0.5	<0.5	0.08 J	<0.5	<0.5
	6/19/2003	<0.5	<0.5	0.3 J	0.04 J	<0.5
	9/16/2003	<0.5	<0.5	0.087 J	<0.5	<0.5
	1/6/2004	<0.5	<0.5	<0.5	0.064 J	<0.5
	4/6/2004	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2004	2.1	<0.5	0.27 J	6.5	<0.5
	9/20/2004	<0.5	<0.5	<0.5	<0.5	<0.5
	3/23/2005	<0.5	<0.5	<0.5	<0.5	<0.5
	3/7/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	5/25/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	9/19/2006	<5.0	<5.0	<5.0	<5.0	<5.0
	4/2/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	8/28/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	10/15/2007	<5.0	<5.0	<5.0	<5.0	<5.0
	3/24/2008	<5.0	<5.0	<5.0	0.62 J	<5.0
	7/23/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	10/7/2008	<5.0	<5.0	<5.0	0.32 J	<5.0
	12/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	6/10/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	9/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	12/9/2009	<5.0	<5.0	<5.0	<5.0	<5.0
	3/9/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/14/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/18/2012	<5.0	<5.0	<5.0	<5.0	<5.0
	9/6/2013	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2014	<5.0	<5.0	<5.0	<5.0	<5.0

See notes on last page.

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

Sample Location Units:	Sampling Date	cis-1,2-Dichloroethene µg/l	trans-1,2-Dichloroethene µg/l	Tetrachloroethene µg/l	Trichloroethene µg/l	Vinyl Chloride µg/l
MW-15	12/10/1998	960	11	14	6,900	23
	9/18/2001	790	< 84	< 84	4,000	68 J
	4/1/2002	510	10	17	3,400	34
MW-16	9/19/2002	1,500	11 J	<32	340	38
	3/28/2003	440	7	0.2 J	15	59
	6/19/2003	400	12	0.3 J	48	58
	9/16/2003	87	4.8	0.323 J	9	24
	1/6/2004	68	3.3	<2.5	6.6	20
	4/6/2004	22	1.1	0.23 J	2.6	5.6
	6/24/2004	6.8	2	0.23 J	4.1	2.3
	9/20/2004	78 D	5.2 D	<2.5	17	27 D
	3/23/2005	9.3	5.4	<0.5	0.95	4.4
	9/25/2005	12	5.4	<1	6.2	11
	3/7/2006	<500	<500	<500	<500	<500
	10/15/2007	240 D	13	0.64 J	110	140
	3/24/2008	NS	NS	NS	NS	NS
	7/22/2008	240	8.7 J	<13	69	87
	10/8/2008	710	13 J	1.1 J	330	180
	12/2/2008	450 D	10	0.94 J	320	88
	3/10/2009	270	4.6 J	1.1 J	280	42
	6/10/2009	650	10 J	<25	480	76
	9/15/2009	<5	<5	0.55 J	<5	<5
	12/8/2009	NS	NS	NS	NS	NS
	3/9/2010	NS	NS	NS	NS	NS
	6/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2010	NS	NS	NS	NS	NS
	12/16/2010	16	<5.0	<5.0	38	<5.0
	3/23/2011	4.1 J	<5.0	0.70 J	7.4	<5.0
	10/27/2011	140	5.6	1.8 J	240 D	<5.0
	3/13/2012	94	2.7 J	0.44 J	96	10
	9/17/2012	140	2.0 J	0.71 J	160	11
	3/11/2013	96	7.5	0.34 J	38	1.9 J
	9/5/2013	170	10	0.50 J	72	9.3
	3/17/2014	49	1.4 J	<5.0	10	14
	9/21/2014	17	<5.0	0.43 J	8.6	<5.0
	3/18/2015	31	0.35 J	<5.0	7.1	15
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	3/17/2016	87 (88)	1.4 (1.7)	0.89 J (0.70 J)	24 (24)	1.2 (0.96 J)
	9/15/2016	83	0.87 J	0.61 J	26	4.9
	3/22/2017	30 (40)	<1.0 (<1.0)	<1.0 (<1.0)	6.1 (7.3)	8.1 (8.7)
	9/14/2017	67	<1.0	0.30 J	13	2.7
	3/22/2018	15 (14)	<1.0 (<1.0)	<1.0 (<1.0)	2.4 (2.3)	<1.0 (<1.0)
	9/20/2018	1.5	<1.0	160	1.6	<1.0
	3/20/2019	68 (59)	<1.0 (<1.0)	0.23 J (0.30 J)	18 (16)	<1.0 (<1.0)
	9/23/2019	32 (35)	<1.0 (<1.0)	0.27 J (0.27 J)	6.6 (7.1)	<1.0 (<1.0)
	3/252020	34 (44)	<1.0 (<1.0)	<1.0 (0.23 J)	10 (17)	<1.0 (<1.0)
	9/14/2020	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
MW-17	9/19/2002	1,800	18 J	<42	2,800	38 J
	3/28/2003	280	11	0.3 J	2	180
	6/19/2003	50	13	<6	1	65
	9/16/2003	4	11	1.6 J	0.74 J	9.1
	1/6/2004	3.3 J	6.4	<4.2	0.81 J	2.4 J
	4/6/2004	3 J	6.8	<5	1.6 J	4.5 J
	6/24/2004	<4.2	9.8	2.2	1.1	1.5
	9/20/2004	3.3 J	11	2.1 J	<5.0	6.7
	3/25/2005	7.9	7.3	<0.5	0.8	5.9
	9/27/2005	150	8	<1	71	24
	3/7/2006	<50	<50	<50	<50	<50
	9/19/2006	0.33	24	3.2	31	17
	8/28/2007	55	2.4 J	0.82 J	110	82
	10/15/2007	37	1.5 J	0.38 J	73	6.6
	3/24/2008	3.0 J	0.33 J	<5.0	1.2 J	0.93 J
	7/21/2008	2.4 J	0.94 J	<5.0	0.66 J	1.1 J
	10/8/2008	16	1.6 J	0.21 J	35	5.7
	12/2/2008	6.6	0.46 J	<5.0	15	1.3 J
	3/10/2009	3.7 J	0.46 J	<5.0	4.4 J	1.9 J
	6/9/2009	2.8 J	0.78 J	<5.0	3.5 J	1.1 J
	9/14/2009	38	2.5 J	0.60 J	110	9.1
	12/8/2009	7.4	0.61 J	<5.0	23	2.1 J
	3/9/2010	4.5 J	<5.0	<5.0	6.5	1.1 J
	6/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	9/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	12/15/2010	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/2011	5.6	<5.0	<5.0	2.2 J	<5.0
	10/26/2011	87	4.2 J	0.53 J	65	20
	3/14/2012	77	3.3 J	0.27 J	40	18
	9/17/2012	200	10	0.44 J	74	8.2
	3/11/2013	53	2.8 J	<5.0	14	0.41 J
	9/5/2013	84	3.6 J	<5.0	45	1.3 J
	3/17/2014	18	1.0 J	<5.0	3.3 J	<5.0
	9/21/2014	10	<5.0	<5.0	4.3 J	<5.0
	3/18/2015	5.8 (7.8)	<5.0 (<5.0)	<5.0 (<5.0)	3.5 J (4.6 J)	<5.0 (<5.0)
	9/23/2015	<5.0	<5.0	<5.0	<5.0	<5.0
	3/17/2016	3.7	<1.0	<1.0	2.4	<1.0
	9/15/2016	1.4	<1.0	0.30 J	1.7	<1.0
	3/21/2017	0.78 J	<1.0	<1.0	0.78 J	<1.0
	9/14/2017	0.40 J	<1.0	<1.0	0.61 J	<1.0
	3/22/2018	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0
	3/20/2019	<10.0	<10.0	<10.0	<10.0	<10.0
	9/23/2019	66	<1.0	<1.0	32	0.25 J
	3/25/2020	19	<1.0	<1.0	8.3	0.69 J
	9/14/2020	23	<1.0	0.61 J	22	<1.0

NOTES:

J = Estimated value; compound detected below Detection Limit.

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

= Baseline result

NS=Not sampled

µg/l = Micrograms per liter

< = Not detected above laboratory reporting limit given

Table 7 - Proposed 2021 Groundwater Monitoring Matrix, Former Binghamton Plactics, Binghamton, New York

Implemented Monitoring Matrix in 2020		
Well ID	Monitoring Schedule	Analysis
DMW-3	Annual	SSPL VOCs
TMP-A	Annual	SSPL VOCs
MW-8	Semiannual	SSPL VOCs
MW-9	Semiannual	SSPL VOCs
MW-10	Semiannual	SSPL VOCs
MW-11	Annual	SSPL VOCs
MW-13	Annual	SSPL VOCs
MW-14	Annual	SSPL VOCs
MW-16	Semiannual	SSPL VOCs
MW-17	Semiannual	SSPL VOCs

Proposed Monitoring Matrix to be Implemented in 2021		
Well ID	Monitoring Schedule	Analysis
DMW-3	Annual	SSPL VOCs
TMP-A	Annual	SSPL VOCs
MW-8	Semiannual	SSPL VOCs
MW-9	Semiannual	SSPL VOCs
MW-10	Semiannual	SSPL VOCs
MW-11	Annual	SSPL VOCs
MW-13	Annual	SSPL VOCs
MW-14	Annual	SSPL VOCs
MW-16	Semiannual	SSPL VOCs
MW-17	Semiannual	SSPL VOCs

Notes:

SSPL VOCs include:

- 1,1-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- Tetrachloroethene
- 1,1,1-Trichloroethane
- Trichloroethene
- Vinyl Chloride

Appendix A

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-8	Date:	3/25/2020	
Field Personnel:	ARB/RDA	Weather:	30s, cold, snow	

PRE-PURGE INFO:

Well Depth (ft btoc):	~15	Depth to Water (ft btoc):	1.87
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Brown/Turbid	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~5	Sample ID:	MW-8 032520
Final Depth to Water (ft btoc):	5.50	Sample Time:	10:30

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
9:35	8.25	6.89	1.935	321.0	9.90	--	4.69	0.95	450	water too cloudy to read turbidity
9:40	8.25	7.34	1.928	357.1	8.66	--	4.52	0.97	450	
9:45	7.82	7.43	1.385	385.0	7.38	--	475	0.69	450	
9:50	7.75	7.42	1.327	375.7	6.64	73.3	4.84	0.67	450	
9:55	7.75	7.43	1.363	343.7	5.89	25.9	4.97	0.68	450	
10:00	7.79	7.45	1.363	322.5	5.07	19.8	5.38	0.68	450	
10:05	7.77	7.45	1.334	304.6	4.73	23.1	5.91	0.68	450	
10:10	7.80	7.47	1.367	285.4	4.30	35.3	5.31	0.69	200	
10:15	7.82	7.48	1.439	269.8	4.20	39.7	5.47	0.73	200	
10:20	7.82	7.49	1.479	264.7	4.16	42.1	5.43	0.83	200	
10:25	7.87	7.49	1.481	263.8	4.13	40.8	5.47	0.86	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-9	Date:	3/25/2020	
Field Personnel:	RDA/ARB	Weather:	30s, cloudy, cold	

PRE-PURGE INFO:

Well Depth (ft btoc):	15.00	Depth to Water (ft btoc):	1.50
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Brown/Turbid	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~3.5	Sample ID:	MW-9 032520
Final Depth to Water (ft btoc):	1.48	Sample Time:	12:35

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
12:00	8.24	7.09	1.503	458.3	9.48	--	1.47	0.76	200	
12:05	8.51	6.96	1.521	480.2	10.30	--	1.47	0.77	200	
12:10	8.49	6.99	1.522	489.1	11.01	--	1.48	0.77	200	
12:15	8.47	7.01	1.520	497.5	11.31	--	1.47	0.77	200	water too cloudy to read turbidity
12:20	8.47	7.02	1.518	503.6	11.39	--	1.48	0.77	200	
12:25	8.46	7.02	1.517	507.0	11.38	--	1.48	0.77	200	
12:30	8.45	7.02	1.517	508.3	11.38	--	1.50	0.77	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-10	Date:	3/25/2020	
Field Personnel:	ARB/RDA	Weather:	35, cloudy, snow	

PRE-PURGE INFO:

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

POST-PURGE INFO:

Color:	Brown/Turbid	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~2.5	Sample ID:	MW-10 032520
Final Depth to Water (ft btoc):	3.11	Sample Time:	11:35

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
11:00	7.78	7.38	1.020	330.8	8.23	--	2.87	0.51	200	
11:05	7.97	7.02	1.078	320.0	5.28	--	3.94	0.54	200	water too cloudy to read turbidity
11:10	7.78	6.88	1.071	303.9	4.69	--	3.03	0.53	200	
11:15	7.59	6.86	1.070	298.5	4.65	36.2	3.01	0.53	200	
11:20	7.50	6.84	1.077	291.7	4.22	25.9	3.03	0.54	200	
11:25	7.48	6.84	1.079	287.1	4.02	19.5	3.05	0.54	200	
11:30	7.46	6.83	1.080	284.2	3.83	28.7	3.06	0.54	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-16	Date:	3/26/2020	
Field Personnel:	ARB/RDA	Weather:	30s, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	~15	Depth to Water (ft btoc):	2.31
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Dark purple	Mn/MnO4 (mg/L):	183.9
Volume Purged (gal):	~3.5	Sample ID:	MW-16 032620/ DUP032620
Final Depth to Water (ft btoc):	3.61	Sample Time:	9:25

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	
8:40	7.03	8.24	1.572	561.6	13.91	--	2.98	0.87	200	
8:45	8.12	7.57	0.824	589.1	12.88	--	3.68	0.40	200	
8:50	8.16	7.40	0.832	598.0	12.15	--	3.71	0.41	200	
8:55	8.17	7.32	0.859	603.0	11.17	--	3.71	0.43	200	
9:00	8.18	7.30	0.879	605.4	10.49	--	3.71	0.44	200	Water too dark to read turbidity
9:05	8.19	7.28	0.902	607.5	9.59	--	3.81	0.45	200	
9:10	8.20	7.28	0.912	609.7	8.54	--	3.79	0.45	200	
9:15	8.25	7.28	0.928	610.2	7.77	--	3.79	0.46	200	
9:20	8.24	7.28	0.926	610.9	7.87	--	3.72	0.46	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-17	Date:	3/26/2020	
Field Personnel:	RDA/ARB	Weather:	30s, cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	~15	Depth to Water (ft btoc):	1.03
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Brown/Purple	Mn/MnO4 (mg/L):	67.6
Volume Purged (gal):	~3.5	Sample ID:	MW-17 032620
Final Depth to Water (ft btoc):	2.05	Sample Time:	10:35

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
10:00	7.68	7.52	0.666	580.8	5.78	--	1.85	0.33	200	
10:05	9.52	7.10	0.712	559.2	5.62	--	2.20	0.35	200	
10:10	9.56	7.09	0.724	565.9	5.32	--	3.00	0.36	200	
10:15	9.74	7.11	0.791	580.2	4.98	--	3.31	0.39	200	Water too dark to read turbidity
10:20	9.89	7.14	0.845	583.7	4.19	--	2.91	0.42	200	
10:25	9.87	7.14	0.847	584.3	4.34	--	2.66	0.42	200	
10:30	9.74	7.14	0.850	585.4	4.41	--	2.16	0.42	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-8	Date:	9/14/2020	
Field Personnel:	CJP	Weather:	70s, sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	13.82	Depth to Water (ft btoc):	2.75
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	light purple/clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~4.5	Sample ID:	MW-8 09142020
Final Depth to Water (ft btoc):	3.30	Sample Time:	17:45

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
16:35	20.58	7.70	0.908	199.9	2.83	66.40	2.75	0.95	200	
16:40	20.05	7.64	1.032	500.1	1.18	69.40	2.75	0.97	200	
16:45	20.04	7.62	1.020	491.7	0.84	75.00	2.75	0.69	200	
16:50	20.20	7.55	0.935	477.6	0.99	66.6	2.75	0.67	200	
16:55	20.61	7.46	0.735	470.4	2.39	49.1	2.75	0.68	200	
17:00	20.68	7.44	0.700	467.1	2.37	38.7	2.90	0.68	200	
17:05	20.72	7.41	0.694	466.9	2.08	30.3	2.90	0.68	200	
17:10	20.74	7.38	0.708	464.8	2.04	15.7	2.90	0.69	200	
17:15	20.73	7.38	0.730	462.9	1.03	15.1	3.00	0.73	200	
17:20	20.70	7.38	0.760	457.9	0.66	7.3	3.00	0.68	200	
17:25	20.67	7.39	0.781	453.4	0.58	13.0	3.10	0.69	200	
17:30	20.64	7.40	0.780	451.4	0.57	16.1	3.10	0.73	200	
17:35	20.65	7.41	0.778	451.2	0.57	15.8	3.15	0.83	200	
17:40	20.67	7.43	0.775	453.1	0.57	15.3	3.15	0.86	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-9	Date:	9/14/2020	
Field Personnel:	RDA	Weather:	60's, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.49	Depth to Water (ft btoc):	3.10
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Turbid then clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~3.5	Sample ID:	MW-9 09142020
Final Depth to Water (ft btoc):	3.07	Sample Time:	16:05

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	
15:25	19.52	6.81	1.418	606.7	7.75	85.6	3.10	0.72	250	
15:30	19.21	6.78	1.421	602.2	7.31	73.2	3.10	0.72	250	
15:35	19.41	6.78	1.382	587.2	6.62	77.6	3.11	0.69	300	
15:40	19.70	6.76	1.307	572.2	6.08	60.6	3.11	0.65	300	
15:45	19.79	6.75	1.275	560.2	5.55	43.2	3.12	0.64	300	
15:50	19.81	6.75	1.268	552.5	5.08	47.9	3.12	0.63	300	
15:55	19.80	6.75	1.267	548.3	4.70	41.4	3.11	0.63	300	
16:00	19.80	6.75	1.268	546.7	4.45	39.7	3.12	0.63	300	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-11	Date:	9/14/2020	
Field Personnel:	RDA	Weather:	60's, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	19.04	Depth to Water (ft btoc):	3.21
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	10-20
Pump Used:	Bladder	Depth of Pump (ft btoc):	~15

POST-PURGE INFO:

Color:	Dark purple	Mn/MnO4 (mg/L):	166.4
Volume Purged (gal):	~3.5	Sample ID:	MW-17 091420
Final Depth to Water (ft btoc):	9.93	Sample Time:	15:00

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	
14:05	21.12	7.66	2.590	559.2	14.17	--	8.47	1.38	200	
14:10	19.84	7.98	3.089	579.6	17.08	--	8.54	1.38	200	
14:15	19.99	7.88	2.089	958.1	17.05	--	8.74	1.05	200	
14:20	19.90	7.85	1.819	584.3	17.05	--	8.91	0.90	200	
14:25	19.85	7.79	1.379	586.2	17.00	--	9.11	0.69	200	
14:30	19.89	7.77	1.186	587.3	16.87	--	9.53	0.52	200	Too dark to read turbidity
14:35	19.92	7.77	1.089	587.9	16.87	--	9.73	0.54	200	
14:40	19.86	7.80	1.096	587.7	16.99	--	9.88	0.55	200	
14:45	19.50	7.86	1.233	588.7	17.15	--	9.91	0.62	200	
14:50	19.44	7.87	1.247	588.5	17.39	--	9.97	0.63	200	
14:55	19.43	7.88	1.257	588.3	17.33	--	10.11	0.64	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-10	Date:	9/14/2020	
Field Personnel:	CJP	Weather:	65, sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.35	Depth to Water (ft btoc):	4.30
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Brown/turbid	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~0.5	Sample ID:	MW-10 091429
Final Depth to Water (ft btoc):	3.93	Sample Time:	15:10

WELL PURGE DATA:

Time 5 minute intervals	**Temperature (°C)**	**pH (units)**	**Conductivity (ms/cm)**	**REDOX (Eh-mV)**	**DO (mg/L)**	**Turbidity (NTU)**	**Depth to Water (ft)**	**Salinity (PPT)**	**Pumping Rate (ml/min)**	**Comment**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading			
	3%	0.1 unit	3%	10 mV	10%	10%	0.3 ft		100 - 500	
14:30	22.83	6.85	0.969	388.0	3.05	68	4.03		120	
14:35	20.91	6.74	1.006	386.0	1.20	70.4	4.03		120	
14:40	20.65	6.74	1.013	358.1	0.91	69.3	4.03		120	
14:45	20.62	6.74	1.014	345.3	0.89	67.1	4.03		120	
14:50	20.60	6.75	1.009	334.0	0.86	65.38	4.03		120	
14:55	20.58	6.75	1.008	341.3	0.88	62.41	4.01		120	
15:00	20.58	6.75	1.003	356.5	0.85	55.4	4.00		120	
15:05	20.60	6.76	1.001	361.4	0.87	53.49	3.95		120	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-13	Date:	9/14/2020	
Field Personnel:	CF	Weather:	60's, partly cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	~15	Depth to Water (ft btoc):	4.54
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Clear/ slightly turbid	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~1	Sample ID:	MW-13 091420
Final Depth to Water (ft btoc):	4.91	Sample Time:	17:50

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	
17:10	17.1	7.57	5.599	120.2	2.99	78.5	5.13	3.06	500	
17:15	17.32	7.08	5.774	122.6	2.23	56.8	5.04	3.15	125	
17:20	17.54	6.97	5.781	139.3	2.89	41.6	5.04	3.15	125	
17:25	17.72	6.93	5.766	143.3	2.80	24.8	5.04	3.14	125	
17:30	17.83	6.92	5.739	144.7	2.55	24.2	5.05	3.12	125	
17:35	17.9	6.91	5.704	137.9	2.40	28.5	5.03	3.10	125	
17:40	17.76	6.92	5.620	131.6	2.38	29.2	5.04	3.05	125	
17:45	17.66	6.93	5.509	128.1	2.58	27.7	5.04	2.07	125	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-16	Date:	9/14/2020	
Field Personnel:	CJP	Weather:	60'S, sunny	

PRE-PURGE INFO:

Well Depth (ft btoc):	13.42	Depth to Water (ft btoc):	2.94
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Slightly purple	Mn/MnO4 (mg/L):	97.7
Volume Purged (gal):	~3.5	Sample ID:	MW-16 091420/ DUP091420
Final Depth to Water (ft btoc):	3.61	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	
15:25	19.78	7.40	0.611	561.3	4.31	834 AU	2.94		225	
15:40	19.4	7.35	0.584	565.2	3.38	-39	2.94		225	
15:45	19.38	7.37	0.573	566.7	2.94	-56	2.98		250	
15:50	19.41	7.37	0.596	570.1	2.67	18.3	3.05		250	
15:55	19.47	7.36	0.628	575.9	2.91	15.8	3.48		250	
16:00	19.48	7.36	0.650	575.7	2.85	14.4	4.01		250	
16:05	19.46	7.36	0.670	577.8	2.80	13.3	4.25		250	
16:10	19.45	7.36	0.675	578.9	2.78	13.0	4.30		250	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	MW-17	Date:	9/14/2020	
Field Personnel:	RDA	Weather:	60's, clear skies	

PRE-PURGE INFO:

Well Depth (ft btoc):	14.83	Depth to Water (ft btoc):	2.71
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	5-15
Pump Used:	Bladder	Depth of Pump (ft btoc):	~10

POST-PURGE INFO:

Color:	Turbid	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~3.5	Sample ID:	MW-17 091420/MS/MSD
Final Depth to Water (ft btoc):	5.09	Sample Time:	17:05

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	
16:30	20.23	7.16	0.761	475.7	3.59	45.1	3.62	0.38	200	
16:35	19.92	7.08	0.867	587.7	2.48	53.6	4.11	0.43	200	
16:40	19.71	7.12	1.087	633.3	2.13	42.7	4.40	0.54	200	
16:45	19.66	7.13	1.127	632.7	1.90	59.8	4.97	0.56	200	
16:50	19.57	7.13	1.214	633.7	1.89	37.8	5.06	0.61	200	
16:55	19.53	7.15	1.235	631.7	1.68	49.6	5.01	0.63	200	
17:00	19.45	7.16	1.207	633.3	1.80	40.7	5.11	0.66	200	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	TMP-A	Date:	9/14/2020	
Field Personnel:	CF	Weather:	60's, partly cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	~8	Depth to Water (ft btoc):	0.86
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	3-8
Pump Used:	Bladder	Depth of Pump (ft btoc):	~6

POST-PURGE INFO:

Color:	Clear/cloudy	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~1	Sample ID:	TMP-A 091420
Final Depth to Water (ft btoc):	2.85	Sample Time:	15:20

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	
14:45	22.27	5.71	2.546	109.6	1.44	81.4	2.74	1.32	100	
14:50	22.12	5.68	2.616	115.5	1.29	68.4	2.67	1.36	100	
14:55	22.05	5.64	2.694	107.4	1.07	44.2	2.73	1.40	100	
15:00	22.01	5.60	2.728	110.2	0.99	28.5	2.73	1.42	100	
15:05	21.97	5.56	2.733	111.6	0.95	14.2	2.67	1.42	100	
15:10	21.84	5.55	2.729	113.1	0.93	14	2.70	1.42	100	
15:15	21.75	5.55	2.721	113.6	0.92	13.2	2.76	1.41	100	

LOW FLOW GROUND WATER PURGE/SAMPLING LOG

Former Binghamton Plastics Site, Binghamton, NY (5101.0003)

Project Name:	Dover-Binghamton	Project #:	5101.0003	Page 1 of 1
Monitoring Well:	DMW-3	Date:	9/14/2020	
Field Personnel:	CF	Weather:	60's, partly cloudy	

PRE-PURGE INFO:

Well Depth (ft btoc):	~48	Depth to Water (ft btoc):	23.73
PID Beneath PVC Cap (ppm):	NA	Screened/Open Interval (ft btoc):	41-48
Pump Used:	Bladder	Depth of Pump (ft btoc):	~45

POST-PURGE INFO:

Color:	Clear	Mn/MnO4 (mg/L):	NA
Volume Purged (gal):	~2	Sample ID:	DMW-3 091420
Final Depth to Water (ft btoc):	29.50	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	
15:55	16.95	11.88	3.322	-64.1	5.73	32.0	24.89	1.86	175	
16:00	16.02	11.80	4.420	-80.9	3.57	9.6	25.77	2.38	175	
16:05	15.85	11.83	4.568	-39.1	3.00	5.00	26.83	2.45	175	
16:10	15.82	11.90	4.588	-33.0	3.05	4.58	27.41	2.46	175	
16:15	15.88	11.96	4.586	-28.6	3.08	4.12	28.19	2.46	175	
16:20	15.86	12.02	4.552	-25.5	3.03	4.53	28.90	2.45	175	
16:25	15.80	12.05	4.511	-26.7	3.09	4.36	29.53	2.42	175	

Appendix B

April 03, 2020 Service Request No:R2002580

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

Laboratory Results for: Dover - Binghamton

Dear Ms.MacCarter,

Enclosed are the results of the sample(s) submitted to our laboratory March 26, 2020
For your reference, these analyses have been assigned our service request number **R2002580.**

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 - Binghamton
Sample Matrix: Water

Service Request: R2002580
Date Received: 03/26/2020 - 03/27/2020

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:

Ten water samples were received for analysis at ALS Environmental on 03/26/2020 - 03/27/2020. 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, 03/27/2020: 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. *applies only to the unpreserved samples in this run, a separate LCS was analyzed for the preserved samples.*

Approved by _____ Date 04/03/2020

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-8 032520			Lab ID: R2002580-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	2.4		0.21	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	3.0		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	5.3		0.25	1.0	ug/L	8260C
Trichloroethene (TCE)	580	D	1.0	5.0	ug/L	8260C
Vinyl Chloride	2.2		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	480	D	1.2	5.0	ug/L	8260C
trans-1,2-Dichloroethene	8.6		0.20	1.0	ug/L	8260C

CLIENT ID: MW-10 032520			Lab ID: R2002580-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	0.53	J	0.21	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	0.47	J	0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.42	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	5.8		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	1.9		0.23	1.0	ug/L	8260C

CLIENT ID: MW-9 032520			Lab ID: R2002580-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	6.5		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.34	J	0.23	1.0	ug/L	8260C

CLIENT ID: MW-16 032620			Lab ID: R2002580-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	6.7		0.21	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	15		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	0.29	J	0.25	1.0	ug/L	8260C
Trichloroethene (TCE)	10		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	34		0.23	1.0	ug/L	8260C

CLIENT ID: MW-17 032620			Lab ID: R2002580-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	0.86	J	0.21	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	6.9		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	0.26	J	0.25	1.0	ug/L	8260C
Trichloroethene (TCE)	8.3		0.20	1.0	ug/L	8260C
Vinyl Chloride	0.69	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	19		0.23	1.0	ug/L	8260C

CLIENT ID: DUP032620			Lab ID: R2002580-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	6.6		0.21	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	17		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	0.74	J	0.25	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.23	J	0.21	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: DUP032620			Lab ID: R2002580-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	17		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	44		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:**R2002580
Project: Dover - Binghamton/5101.0003

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2002580-001	TB 032520	3/25/2020	
R2002580-002	MW-8 032520	3/25/2020	1030
R2002580-003	MW-10 032520	3/25/2020	1135
R2002580-004	MW-9 032520	3/25/2020	1235
R2002580-005	FB 032520	3/25/2020	1300
R2002580-006	TB 032620	3/26/2020	
R2002580-007	MW-16 032620	3/26/2020	0925
R2002580-008	MW-17 032620	3/26/2020	1035
R2002580-009	FB 032620	3/26/2020	1100
R2002580-010	DUP032620	3/26/2020	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 60735

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- Binghamton	Project Number: 5101.0003
Project Manager: Sarah Maccarter	Report CC:
Company/Address: 1011 US Highway 22, Bridgewater, NJ 08807	
Phone #: 908-864-4400	Email: smaccarter@vcg-llc.com
Sampler's Signature: [signature]	Sampler's Printed Name: Amber Bartlett

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	SSPL VOCs
~~TB~~ 032520		3/25/20	—	~~GW~~ TB		X
MW-8 032520		3/25/20	10:30	GW		X
MW-10 032520		3/25/20	11:35	GW		X
MW-9 032520		3/25/20	12:35	GW		X
FB 032520		3/25/20	13:00	~~GW~~ FB		X

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)

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 include:

◦ 1,1-DCA ◦ 1,1-DCE ◦ cis-1,2-DCE ◦ trans-1,2-DCE

◦ PCE ◦ TCE ◦ 1,1,1-TCA ◦ VC

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED: New Jersey

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 # 5101.0003

BILL TO: Verina

1011 US Hway 22

Bridgewater NJ

08807

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: [signature]	Signature: [signature]	Signature:	Signature:	Signature:	Signature:
Printed Name: Rita DeAmado	Printed Name: Gary Bolan	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Verina	Firm: ALS	Firm:	Firm:	Firm:	Firm:
Date/Time: 03/25/20 16:00pm	Date/Time: 3/26/2020 0730	Date/Time:	Date/Time:	Date/Time:	Date/Time:

R2002580 5

Verina Consulting Group, LLC
Dover - Binghamton

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

Cooler Receipt and Preservation Check Form

R2002580 5
Verina Consulting Group, LLC
Dover - Binghamton

Project/Client Dover - Binghampton Folder Number

Cooler received on 3/26/2020 by: GB **COURIER:** ALS UPS (FEDEX) VELOCITY CLIENT

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

8. Temperature Readings Date: 3/26/20 Time: 0812 ID: IR#7 (IR#10) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	2.3						
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: R002 by GB on 3/26 at 0815
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 3/26/2020 Time: 1230 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 (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: 2502-13
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: DW
PC Secondary Review: JMH 3/26/20 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 60734

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 - Binghamton	Project Number: 5101.0003
Project Manager: Sarah MacCarter	Report CC:
Company/Address: Verina Consulting Group 1011 US Highway 22 Bridgewater NJ 08807	
Phone #: 908 864 4400	Email: smaccarter@vcg-llc.com
Sampler's Signature:	Sampler's Printed Name: Rita DeAlmeida / Amber Bartlett

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

PRESERVATIVE: 0 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	SSPL VOCs	SSPL VOCs
TB 032620		03/26/20		TB			X
MW-16 032620			0925	GW		X	
MW-17 - 032620			1035	GW		X	
FB 032620		↓	1100	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 _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals
SSPL VOCs:
- 1,1-DCA
- 1,1-DCE
- cis-1,2-DCE
- trans-1,2-DCE
- PCE
- TCE
- 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
✓ 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 # 5101.0003
BILL TO: Verina Consulting Group

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	
Printed Name: Rita DeAlmeida	Printed Name: Gregory O. Esmerian	Printed Name:	Printed Name:	Printed Name:	
Firm: Verina	Firm: ALS	Firm:	Firm:	Firm:	
Date/Time: 3/26/20 12pm	Date/Time: 3/27/20 07:40	Date/Time:	Date/Time:	Date/Time:	

R2002580 5
Verina Consulting Group, LLC
Dover - Binghamton

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

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R2002580 5
Verina Consulting Group, LLC
Dover - Binghamton

Cooler Receipt and Preservation Check Form

Project/Client Verina Consulting Folder Number _____.

Cooler received on 3-27-2020 by: KZ

COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

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

5a	**Perchlorate** samples have required headspace?	Y N (NA)	
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	(Y) N NA	* KZ 3-27-2020
6	Where did the bottles originate?	(ALS/ROC) CLIENT	ALS Roch
7	Soil VOA received as:	Bulk Encore 5035set NA	

8. Temperature Readings Date: 3-27-2020 Time: 08:25 ID: IR#7 (IR#10) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	5.2						
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 KZ on 3-27-20 at 08:30
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 3/27/2020 Time: 1306 by: (AD)

9.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
10.	Did all bottle labels and tags agree with custody papers?	(YES)	(NO)
11.	Were correct containers used for the tests indicated?	(YES)	NO
12.	Were 5035 vials acceptable (no extra labels, not leaking)?	YES	NO (N/A)
13.	Air Samples: Cassettes / Tubes Intact 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: 2502-13, 9-315-001
Explain all Discrepancies/ Other Comments:

* Trip Blank: 2 of 3 vials

Rec'd DUP032620 location not on COC.

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: (AD)
PC Secondary Review: VMD 3/30/20 *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:** R2002580
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2002580-001.01					
	8260C				
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-001.02					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
R2002580-001.03					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
R2002580-002.01					
	8260C				
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-002.02					
	8260C				
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
		3/30/2020	1225	In Lab / KRUEST	
		3/30/2020	1309	R-001-S12 / KRUEST	
R2002580-002.03					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
R2002580-003.01					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-003.02					
	8260C				
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
		3/30/2020	1225	In Lab / KRUEST	

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		3/30/2020	1309	R-001-S12 / KRUEST	
R2002580-003.03					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
R2002580-004.01					
	8260C				
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-004.02					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
R2002580-004.03					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
R2002580-005.01					
	8260C				
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-005.02					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
R2002580-005.03					
		3/26/2020	1235	SMO / GLAFORCE	
		3/26/2020	1240	R-001 / GLAFORCE	
R2002580-006.01					
	8260C				
		3/27/2020	1143	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2002580-006.02					
		3/27/2020	1143	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
R2002580-006.03					
		3/27/2020	1143	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
R2002580-007.01					
		3/27/2020	1144	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-007.02					
	8260C				
		3/27/2020	1144	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
		3/30/2020	1225	In Lab / KRUEST	
		3/30/2020	1309	R-001-S12 / KRUEST	
R2002580-007.03					
		3/27/2020	1144	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
R2002580-008.01					
	8260C				
		3/27/2020	1144	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-008.02					
		3/27/2020	1144	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
R2002580-008.03					
		3/27/2020	1144	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
R2002580-009.01					
	8260C				
		3/27/2020	1144	SMO / JJANSON	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		3/27/2020	1310	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-009.02					
		3/27/2020	1144	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
R2002580-009.03					
		3/27/2020	1144	SMO / JJANSON	
		3/27/2020	1310	R-001 / GLAFORCE	
R2002580-010.01					
	8260C				
		3/27/2020	1309	SMO / GLAFORCE	
		3/27/2020	1310	R-001 / GLAFORCE	
		3/27/2020	1445	In Lab / KRUEST	
		3/27/2020	1529	R-001-S12 / KRUEST	
R2002580-010.02					
		3/27/2020	1309	SMO / GLAFORCE	
		3/27/2020	1310	R-001 / GLAFORCE	
R2002580-010.03					
		3/27/2020	1309	SMO / GLAFORCE	
		3/27/2020	1310	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:**	R2002580
Project:	Dover - Binghamton/5101.0003		

Sample Name:	TB 032520	**Date Collected:**	03/25/20
Lab Code:	R2002580-001	**Date Received:**	03/26/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-8 032520	**Date Collected:**	03/25/20
Lab Code:	R2002580-002	**Date Received:**	03/26/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-8 032520	**Date Collected:**	03/25/20
Lab Code:	R2002580-002.R01	**Date Received:**	03/26/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-10 032520	**Date Collected:**	03/25/20
Lab Code:	R2002580-003	**Date Received:**	03/26/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-9 032520	**Date Collected:**	03/25/20
Lab Code:	R2002580-004	**Date Received:**	03/26/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003		

Sample Name:	FB 032520	**Date Collected:**	03/25/20
Lab Code:	R2002580-005	**Date Received:**	03/26/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	TB 032620	**Date Collected:**	03/26/20
Lab Code:	R2002580-006	**Date Received:**	03/27/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-16 032620	**Date Collected:**	03/26/20
Lab Code:	R2002580-007	**Date Received:**	03/27/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-17 032620	**Date Collected:**	03/26/20
Lab Code:	R2002580-008	**Date Received:**	03/27/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	FB 032620	**Date Collected:**	03/26/20
Lab Code:	R2002580-009	**Date Received:**	03/27/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003		

Sample Name:	DUP032620	**Date Collected:**	03/26/20
Lab Code:	R2002580-010	**Date Received:**	03/27/20
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
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Volatile Organic Compounds by GC/MS

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www.alsglobal.com

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20 10:30
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	MW-8 032520	**Units:**	ug/L
Lab Code:	R2002580-002	**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)	**2.4**		1.0	0.21	1	03/27/20 20:31	
1,1-Dichloroethane (1,1-DCA)	**3.0**		1.0	0.20	1	03/27/20 20:31	
1,1-Dichloroethene (1,1-DCE)	**5.3**		1.0	0.25	1	03/27/20 20:31	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	03/27/20 20:31	
Trichloroethene (TCE)	**580**	**D**	5.0	1.0	5	03/30/20 15:17	
Vinyl Chloride	**2.2**		1.0	0.20	1	03/27/20 20:31	
cis-1,2-Dichloroethene	**480**	**D**	5.0	1.2	5	03/30/20 15:17	
trans-1,2-Dichloroethene	**8.6**		1.0	0.20	1	03/27/20 20:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/27/20 20:31	
Dibromofluoromethane	94	89 - 119	03/27/20 20:31	
Toluene-d8	99	87 - 121	03/27/20 20:31	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20 11:35
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	MW-10 032520	**Units:**	ug/L
Lab Code:	R2002580-003	**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)	**0.53 J**	1.0	0.21	1	03/30/20 14:55	
1,1-Dichloroethane (1,1-DCA)	**0.47 J**	1.0	0.20	1	03/30/20 14:55	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/30/20 14:55	
Tetrachloroethene (PCE)	**0.42 J**	1.0	0.21	1	03/30/20 14:55	
Trichloroethene (TCE)	**5.8**	1.0	0.20	1	03/30/20 14:55	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/30/20 14:55	
cis-1,2-Dichloroethene	**1.9**	1.0	0.23	1	03/30/20 14:55	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/30/20 14:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/30/20 14:55	
Dibromofluoromethane	92	89 - 119	03/30/20 14:55	
Toluene-d8	97	87 - 121	03/30/20 14:55	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20 12:35
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	MW-9 032520	**Units:**	ug/L
Lab Code:	R2002580-004	**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	0.21	1	03/27/20 21:14	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	03/27/20 21:14	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.25	1	03/27/20 21:14	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	03/27/20 21:14	
Trichloroethene (TCE)	**6.5**		1.0	0.20	1	03/27/20 21:14	
Vinyl Chloride	1.0	U	1.0	0.20	1	03/27/20 21:14	
cis-1,2-Dichloroethene	**0.34**	**J**	1.0	0.23	1	03/27/20 21:14	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	03/27/20 21:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/27/20 21:14	
Dibromofluoromethane	93	89 - 119	03/27/20 21:14	
Toluene-d8	98	87 - 121	03/27/20 21:14	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	TB 032620	**Units:**	ug/L
Lab Code:	R2002580-006	**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	0.21	1	03/27/20 19:47	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 19:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 19:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 19:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 19:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 19:47	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 19:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 19:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/27/20 19:47	
Dibromofluoromethane	92	89 - 119	03/27/20 19:47	
Toluene-d8	98	87 - 121	03/27/20 19:47	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20 11:00
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	FB 032620	**Units:**	ug/L
Lab Code:	R2002580-009	**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	0.21	1	03/27/20 20:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 20:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 20:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 20:09	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 20:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 20:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 20:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 20:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	03/27/20 20:09	
Dibromofluoromethane	90	89 - 119	03/27/20 20:09	
Toluene-d8	97	87 - 121	03/27/20 20:09	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	TB 032520	**Units:**	ug/L
Lab Code:	R2002580-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.21	1	03/27/20 19:04	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 19:04	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 19:04	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 19:04	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 19:04	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 19:04	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 19:04	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 19:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/27/20 19:04	
Dibromofluoromethane	95	89 - 119	03/27/20 19:04	
Toluene-d8	99	87 - 121	03/27/20 19:04	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20 13:00
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	FB 032520	**Units:**	ug/L
Lab Code:	R2002580-005	**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	0.21	1	03/27/20 19:26	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 19:26	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 19:26	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 19:26	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 19:26	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 19:26	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 19:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 19:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	03/27/20 19:26	
Dibromofluoromethane	91	89 - 119	03/27/20 19:26	
Toluene-d8	95	87 - 121	03/27/20 19:26	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20 09:25
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	MW-16 032620	**Units:**	ug/L
Lab Code:	R2002580-007	**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)	**6.7**		1.0	0.21	1	03/30/20 14:34	
1,1-Dichloroethane (1,1-DCA)	**15**		1.0	0.20	1	03/30/20 14:34	
1,1-Dichloroethene (1,1-DCE)	**0.29**	**J**	1.0	0.25	1	03/30/20 14:34	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	03/30/20 14:34	
Trichloroethene (TCE)	**10**		1.0	0.20	1	03/30/20 14:34	
Vinyl Chloride	1.0	U	1.0	0.20	1	03/30/20 14:34	
cis-1,2-Dichloroethene	**34**		1.0	0.23	1	03/30/20 14:34	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	03/30/20 14:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/30/20 14:34	
Dibromofluoromethane	94	89 - 119	03/30/20 14:34	
Toluene-d8	98	87 - 121	03/30/20 14:34	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20 10:35
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	MW-17 032620	**Units:**	ug/L
Lab Code:	R2002580-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.86**	**J**	1.0	0.21	1	03/27/20 21:58	
1,1-Dichloroethane (1,1-DCA)	**6.9**		1.0	0.20	1	03/27/20 21:58	
1,1-Dichloroethene (1,1-DCE)	**0.26**	**J**	1.0	0.25	1	03/27/20 21:58	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	03/27/20 21:58	
Trichloroethene (TCE)	**8.3**		1.0	0.20	1	03/27/20 21:58	
Vinyl Chloride	**0.69**	**J**	1.0	0.20	1	03/27/20 21:58	
cis-1,2-Dichloroethene	**19**		1.0	0.23	1	03/27/20 21:58	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	03/27/20 21:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	03/27/20 21:58	
Dibromofluoromethane	90	89 - 119	03/27/20 21:58	
Toluene-d8	93	87 - 121	03/27/20 21:58	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	DUP032620	**Units:**	ug/L
Lab Code:	R2002580-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**6.6**		1.0	0.21	1	03/27/20 22:19	
1,1-Dichloroethane (1,1-DCA)	**17**		1.0	0.20	1	03/27/20 22:19	
1,1-Dichloroethene (1,1-DCE)	**0.74**	**J**	1.0	0.25	1	03/27/20 22:19	
Tetrachloroethene (PCE)	**0.23**	**J**	1.0	0.21	1	03/27/20 22:19	
Trichloroethene (TCE)	**17**		1.0	0.20	1	03/27/20 22:19	
Vinyl Chloride	1.0	U	1.0	0.20	1	03/27/20 22:19	
cis-1,2-Dichloroethene	**44**		1.0	0.23	1	03/27/20 22:19	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	03/27/20 22:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/27/20 22:19	
Dibromofluoromethane	94	89 - 119	03/27/20 22:19	
Toluene-d8	98	87 - 121	03/27/20 22:19	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 89-119	Toluene-d8 87-121
MW-8 032520	R2002580-002	92	94	99
MW-10 032520	R2002580-003	90	92	97
MW-9 032520	R2002580-004	90	93	98
TB 032620	R2002580-006	90	92	98
FB 032620	R2002580-009	89	90	97
Method Blank	RQ2003022-06	91	92	96
Method Blank	RQ2003069-06	93	98	99
Lab Control Sample	RQ2003022-03	95	97	99
Lab Control Sample	RQ2003069-03	94	95	97

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Analyzed:**	03/27/20 14:34
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:	RQ2003022-06	**File ID:**	I:\ACQUDATA\msvoa12\Data\032720\P34397.D\
Analysis Method:	8260C	**Analysis Lot:**	674997
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2003022-03	I:\ACQUDATA\msvoa12\Data\032720\P34393.D\	03/27/20 12:45
TB 032620	R2002580-006	I:\ACQUDATA\msvoa12\Data\032720\P34410.D\	03/27/20 19:47
FB 032620	R2002580-009	I:\ACQUDATA\msvoa12\Data\032720\P34411.D\	03/27/20 20:09
MW-8 032520	R2002580-002	I:\ACQUDATA\msvoa12\Data\032720\P34412.D\	03/27/20 20:31
MW-9 032520	R2002580-004	I:\ACQUDATA\msvoa12\Data\032720\P34414.D\	03/27/20 21:14

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Analyzed:**	03/30/20 12:59
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: RQ2003069-06 **File ID:** I:\ACQUDATA\msvoa12\Data\033020\P34429.D\

Analysis Method: 8260C **Analysis Lot:** 675104

Prep Method: EPA 5030C

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2003069-03	I:\ACQUDATA\msvoa12\Data\033020\P34425.D\	03/30/20 11:24
MW-10 032520	R2002580-003	I:\ACQUDATA\msvoa12\Data\033020\P34434.D\	03/30/20 14:55
MW-8 032520	R2002580-002	I:\ACQUDATA\msvoa12\Data\033020\P34435.D\	03/30/20 15:17

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2003022-06	**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	0.21	1	03/27/20 14:34	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 14:34	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 14:34	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 14:34	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 14:34	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 14:34	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 14:34	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 14:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/27/20 14:34	
Dibromofluoromethane	92	89 - 119	03/27/20 14:34	
Toluene-d8	96	87 - 121	03/27/20 14:34	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2003069-06	**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	0.21	1	03/30/20 12:59	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/30/20 12:59	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/30/20 12:59	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/30/20 12:59	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/30/20 12:59	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/30/20 12:59	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/30/20 12:59	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/30/20 12:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/30/20 12:59	
Dibromofluoromethane	98	89 - 119	03/30/20 12:59	
Toluene-d8	99	87 - 121	03/30/20 12:59	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Analyzed:**	03/27/20 12:45
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:	RQ2003022-03	**File ID:**	I:\ACQUDATA\msvoa12\Data\032720\P34393.D\
Analysis Method:	8260C	**Analysis Lot:**	674997
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2003022-06	I:\ACQUDATA\msvoa12\Data\032720\P34397.D\	03/27/20 14:34
TB 032620	R2002580-006	I:\ACQUDATA\msvoa12\Data\032720\P34410.D\	03/27/20 19:47
FB 032620	R2002580-009	I:\ACQUDATA\msvoa12\Data\032720\P34411.D\	03/27/20 20:09
MW-8 032520	R2002580-002	I:\ACQUDATA\msvoa12\Data\032720\P34412.D\	03/27/20 20:31
MW-9 032520	R2002580-004	I:\ACQUDATA\msvoa12\Data\032720\P34414.D\	03/27/20 21:14

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Analyzed:**	03/30/20 11:24
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-12
Lab Code:	RQ2003069-03	**File ID:**	I:\ACQUDATA\msvoa12\Data\033020\P34425.D\
Analysis Method:	8260C	**Analysis Lot:**	675104
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2003069-06	I:\ACQUDATA\msvoa12\Data\033020\P34429.D\	03/30/20 12:59
MW-10 032520	R2002580-003	I:\ACQUDATA\msvoa12\Data\033020\P34434.D\	03/30/20 14:55
MW-8 032520	R2002580-002	I:\ACQUDATA\msvoa12\Data\033020\P34435.D\	03/30/20 15:17

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

Service Request: R2002580
Date Analyzed: 03/27/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2003022-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	21.6	20.0	108	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	23.5	20.0	117	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	22.2	20.0	111	71-118
Tetrachloroethene (PCE)	8260C	22.6	20.0	113	72-125
Trichloroethene (TCE)	8260C	20.6	20.0	103	74-122
Vinyl Chloride	8260C	23.5	20.0	117	74-159
cis-1,2-Dichloroethene	8260C	20.8	20.0	104	80-121
trans-1,2-Dichloroethene	8260C	21.5	20.0	107	73-118

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

Service Request: R2002580
Date Analyzed: 03/30/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2003069-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.7	20.0	93	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	21.0	20.0	105	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.2	20.0	96	71-118
Tetrachloroethene (PCE)	8260C	18.2	20.0	91	72-125
Trichloroethene (TCE)	8260C	18.7	20.0	94	74-122
Vinyl Chloride	8260C	21.0	20.0	105	74-159
cis-1,2-Dichloroethene	8260C	19.5	20.0	97	80-121
trans-1,2-Dichloroethene	8260C	20.0	20.0	100	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/27/20 11:50

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\032720\P34391.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-12 **Analysis Lot:** 674997

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.80	26349	Pass
75	95	30	60	47.72	74824	Pass
95	95	100	100	100.00	156811	Pass
96	95	5	9	6.33	9927	Pass
173	174	0	2	0.48	627	Pass
174	95	50	120	83.01	130165	Pass
175	174	5	9	7.10	9236	Pass
176	174	95	101	99.42	129411	Pass
177	176	5	9	6.40	8285	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2003022-02	I:\ACQUDATA\msvoa12\Data\032720\P34392.D\	03/27/20 12:20	
Lab Control Sample	RQ2003022-03	I:\ACQUDATA\msvoa12\Data\032720\P34393.D\	03/27/20 12:45	
Method Blank	RQ2003022-06	I:\ACQUDATA\msvoa12\Data\032720\P34397.D\	03/27/20 14:34	
TB 032620	R2002580-006	I:\ACQUDATA\msvoa12\Data\032720\P34410.D\	03/27/20 19:47	
FB 032620	R2002580-009	I:\ACQUDATA\msvoa12\Data\032720\P34411.D\	03/27/20 20:09	
MW-8 032520	R2002580-002	I:\ACQUDATA\msvoa12\Data\032720\P34412.D\	03/27/20 20:31	
MW-9 032520	R2002580-004	I:\ACQUDATA\msvoa12\Data\032720\P34414.D\	03/27/20 21:14	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/30/20 10:25

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\033020\P34423.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-12 **Analysis Lot:** 675104

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.40	26232	Pass
75	95	30	60	47.96	72304	Pass
95	95	100	100	100.00	150765	Pass
96	95	5	9	6.74	10161	Pass
173	174	0	2	0.53	658	Pass
174	95	50	120	82.69	124661	Pass
175	174	5	9	7.26	9048	Pass
176	174	95	101	97.41	121427	Pass
177	176	5	9	6.78	8229	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2003069-02	I:\ACQUDATA\msvoa12\Data\033020\P34424.D\	03/30/20 10:55	
Lab Control Sample	RQ2003069-03	I:\ACQUDATA\msvoa12\Data\033020\P34425.D\	03/30/20 11:24	
Method Blank	RQ2003069-06	I:\ACQUDATA\msvoa12\Data\033020\P34429.D\	03/30/20 12:59	
MW-10 032520	R2002580-003	I:\ACQUDATA\msvoa12\Data\033020\P34434.D\	03/30/20 14:55	
MW-8 032520	R2002580-002	I:\ACQUDATA\msvoa12\Data\033020\P34435.D\	03/30/20 15:17	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/27/20 12:20

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

File ID: I:\ACQUDATA\msvoa12\Data\032720\P34392.D\ **Lab Code:**RQ2003022-02
Instrument ID: R-MS-12 **Analysis Lot:**674997
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	269,355	11.83	552,904	6.52	486,564	9.80
	Upper Limit ==>	538,710	12.33	1,105,808	7.02	973,128	10.30
	Lower Limit ==>	134,678	11.33	276,452	6.02	243,282	9.30
Associated Analyses							
Lab Control Sample	RQ2003022-03	266710	11.83	544730	6.52	486377	9.80
Method Blank	RQ2003022-06	255067	11.83	535038	6.52	474024	9.80
TB 032620	R2002580-006	247170	11.83	529769	6.52	460781	9.80
FB 032620	R2002580-009	256489	11.83	539451	6.52	471027	9.80
MW-8 032520	R2002580-002	249856	11.83	530112	6.52	466487	9.80
MW-9 032520	R2002580-004	248669	11.83	515988	6.52	459257	9.80

ALS Group USA, Corp.
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QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/27/20 12:20

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

File ID: I:\ACQUDATA\msvoa12\Data\032720\P34392.D\ **Lab Code:**RQ2003022-02
Instrument ID: R-MS-12 **Analysis Lot:**674997
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	366,289	5.43
	Upper Limit ==>	732,578	5.93
	Lower Limit ==>	183,145	4.93
Associated Analyses			
Lab Control Sample	RQ2003022-03	358311	5.44
Method Blank	RQ2003022-06	352486	5.44
TB 032620	R2002580-006	347719	5.44
FB 032620	R2002580-009	357683	5.44
MW-8 032520	R2002580-002	350247	5.44
MW-9 032520	R2002580-004	338756	5.45

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/30/20 10:55

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

File ID: I:\ACQUDATA\msvoa12\Data\033020\P34424.D\ **Lab Code:**RQ2003069-02
Instrument ID: R-MS-12 **Analysis Lot:**675104
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	273,724	11.83	544,786	6.52	491,637	9.80
	Upper Limit ==>	547,448	12.33	1,089,572	7.02	983,274	10.30
	Lower Limit ==>	136,862	11.33	272,393	6.02	245,819	9.30
Associated Analyses							
Lab Control Sample	RQ2003069-03	264202	11.83	532854	6.52	478612	9.80
Method Blank	RQ2003069-06	244174	11.83	521009	6.52	458952	9.80
MW-10 032520	R2002580-003	255785	11.83	531652	6.52	471216	9.80
MW-8 032520	R2002580-002	253718	11.83	531486	6.52	465666	9.80

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/30/20 10:55

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

File ID: I:\ACQUDATA\msvoa12\Data\033020\P34424.D\ **Lab Code:**RQ2003069-02
Instrument ID: R-MS-12 **Analysis Lot:**675104
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	359,924	5.45
	Upper Limit ==>	719,848	5.95
	Lower Limit ==>	179,962	4.95
Associated Analyses			
Lab Control Sample	RQ2003069-03	351387	5.45
Method Blank	RQ2003069-06	341509	5.46
MW-10 032520	R2002580-003	342646	5.45
MW-8 032520	R2002580-002	344054	5.44

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

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

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 89-119	Toluene-d8 87-121
TB 032520	R2002580-001	93	95	99
FB 032520	R2002580-005	88	91	95
MW-16 032620	R2002580-007	91	94	98
MW-17 032620	R2002580-008	88	90	93
DUP032620	R2002580-010	93	94	98
Method Blank	RQ2003022-05	95	97	99
Method Blank	RQ2003069-05	91	94	98
Lab Control Sample	RQ2003022-04	92	97	97
Lab Control Sample	RQ2003069-04	96	97	98

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Analyzed:**	03/27/20 14:12
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:	RQ2003022-05	**File ID:**	I:\ACQUDATA\msvoa12\Data\032720\P34396.D\
Analysis Method:	8260C	**Analysis Lot:**	674997
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2003022-04	I:\ACQUDATA\msvoa12\Data\032720\P34394.D\	03/27/20 13:07
TB 032520	R2002580-001	I:\ACQUDATA\msvoa12\Data\032720\P34408.D\	03/27/20 19:04
FB 032520	R2002580-005	I:\ACQUDATA\msvoa12\Data\032720\P34409.D\	03/27/20 19:26
MW-17 032620	R2002580-008	I:\ACQUDATA\msvoa12\Data\032720\P34416.D\	03/27/20 21:58
DUP032620	R2002580-010	I:\ACQUDATA\msvoa12\Data\032720\P34417.D\	03/27/20 22:19

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Analyzed:**	03/30/20 12:37
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:	RQ2003069-05	**File ID:**	I:\ACQUDATA\msvoa12\Data\033020\P34428.D\
Analysis Method:	8260C	**Analysis Lot:**	675104
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2003069-04	I:\ACQUDATA\msvoa12\Data\033020\P34426.D\	03/30/20 11:46
MW-16 032620	R2002580-007	I:\ACQUDATA\msvoa12\Data\033020\P34433.D\	03/30/20 14:34

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2003022-05	**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	0.21	1	03/27/20 14:12	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 14:12	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 14:12	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 14:12	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 14:12	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 14:12	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 14:12	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 14:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/27/20 14:12	
Dibromofluoromethane	97	89 - 119	03/27/20 14:12	
Toluene-d8	99	87 - 121	03/27/20 14:12	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2003069-05	**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	0.21	1	03/30/20 12:37	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/30/20 12:37	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/30/20 12:37	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/30/20 12:37	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/30/20 12:37	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/30/20 12:37	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/30/20 12:37	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/30/20 12:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/30/20 12:37	
Dibromofluoromethane	94	89 - 119	03/30/20 12:37	
Toluene-d8	98	87 - 121	03/30/20 12:37	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Analyzed:**	03/27/20 13:07
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-12
Lab Code:	RQ2003022-04	**File ID:**	I:\ACQUDATA\msvoa12\Data\032720\P34394.D\
Analysis Method:	8260C	**Analysis Lot:**	674997
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2003022-05	I:\ACQUDATA\msvoa12\Data\032720\P34396.D\	03/27/20 14:12
TB 032520	R2002580-001	I:\ACQUDATA\msvoa12\Data\032720\P34408.D\	03/27/20 19:04
FB 032520	R2002580-005	I:\ACQUDATA\msvoa12\Data\032720\P34409.D\	03/27/20 19:26
MW-17 032620	R2002580-008	I:\ACQUDATA\msvoa12\Data\032720\P34416.D\	03/27/20 21:58
DUP032620	R2002580-010	I:\ACQUDATA\msvoa12\Data\032720\P34417.D\	03/27/20 22:19

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Analyzed:**	03/30/20 11:46
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-12
Lab Code:	RQ2003069-04	**File ID:**	I:\ACQUDATA\msvoa12\Data\033020\P34426.D\
Analysis Method:	8260C	**Analysis Lot:**	675104
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2003069-05	I:\ACQUDATA\msvoa12\Data\033020\P34428.D\	03/30/20 12:37
MW-16 032620	R2002580-007	I:\ACQUDATA\msvoa12\Data\033020\P34433.D\	03/30/20 14:34

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

Service Request: R2002580
Date Analyzed: 03/27/20

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2003022-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	22.9	20.0	115	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	24.7	20.0	123	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	23.7	20.0	119 *	71-118
Tetrachloroethene (PCE)	8260C	21.8	20.0	109	72-125
Trichloroethene (TCE)	8260C	22.0	20.0	110	74-122
Vinyl Chloride	8260C	24.5	20.0	123	74-159
cis-1,2-Dichloroethene	8260C	21.9	20.0	110	80-121
trans-1,2-Dichloroethene	8260C	22.4	20.0	112	73-118

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

Service Request: R2002580
Date Analyzed: 03/30/20

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

Units:ug/L
Basis:NA

Lab Control Sample
RQ2003069-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.0	20.0	100	75-125
1,1-Dichloroethane (1,1-DCA)	8260C	22.4	20.0	112	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.8	20.0	104	71-118
Tetrachloroethene (PCE)	8260C	20.4	20.0	102	72-125
Trichloroethene (TCE)	8260C	19.9	20.0	99	74-122
Vinyl Chloride	8260C	22.8	20.0	114	74-159
cis-1,2-Dichloroethene	8260C	20.9	20.0	105	80-121
trans-1,2-Dichloroethene	8260C	20.6	20.0	103	73-118

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/27/20 11:50

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa12\Data\032720\P34391.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-12 **Analysis Lot:** 674997

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.80	26349	Pass
75	95	30	60	47.72	74824	Pass
95	95	100	100	100.00	156811	Pass
96	95	5	9	6.33	9927	Pass
173	174	0	2	0.48	627	Pass
174	95	50	120	83.01	130165	Pass
175	174	5	9	7.10	9236	Pass
176	174	95	101	99.42	129411	Pass
177	176	5	9	6.40	8285	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2003022-02	I:\ACQUDATA\msvoa12\Data\032720\P34392.D\	03/27/20 12:20	
Lab Control Sample	RQ2003022-04	I:\ACQUDATA\msvoa12\Data\032720\P34394.D\	03/27/20 13:07	
Method Blank	RQ2003022-05	I:\ACQUDATA\msvoa12\Data\032720\P34396.D\	03/27/20 14:12	
TB 032520	R2002580-001	I:\ACQUDATA\msvoa12\Data\032720\P34408.D\	03/27/20 19:04	
FB 032520	R2002580-005	I:\ACQUDATA\msvoa12\Data\032720\P34409.D\	03/27/20 19:26	
MW-17 032620	R2002580-008	I:\ACQUDATA\msvoa12\Data\032720\P34416.D\	03/27/20 21:58	
DUP032620	R2002580-010	I:\ACQUDATA\msvoa12\Data\032720\P34417.D\	03/27/20 22:19	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/30/20 10:25

Tune Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa12\Data\033020\P34423.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-12 **Analysis Lot:** 675104

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.40	26232	Pass
75	95	30	60	47.96	72304	Pass
95	95	100	100	100.00	150765	Pass
96	95	5	9	6.74	10161	Pass
173	174	0	2	0.53	658	Pass
174	95	50	120	82.69	124661	Pass
175	174	5	9	7.26	9048	Pass
176	174	95	101	97.41	121427	Pass
177	176	5	9	6.78	8229	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2003069-02	I:\ACQUDATA\msvoa12\Data\033020\P34424.D\	03/30/20 10:55	
Lab Control Sample	RQ2003069-04	I:\ACQUDATA\msvoa12\Data\033020\P34426.D\	03/30/20 11:46	
Method Blank	RQ2003069-05	I:\ACQUDATA\msvoa12\Data\033020\P34428.D\	03/30/20 12:37	
MW-16 032620	R2002580-007	I:\ACQUDATA\msvoa12\Data\033020\P34433.D\	03/30/20 14:34	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/27/20 12:20

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

File ID: I:\ACQUDATA\msvoa12\Data\032720\P34392.D\ **Lab Code:**RQ2003022-02
Instrument ID: R-MS-12 **Analysis Lot:**674997
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	269,355	11.83	552,904	6.52	486,564	9.80
	Upper Limit ==>	538,710	12.33	1,105,808	7.02	973,128	10.30
	Lower Limit ==>	134,678	11.33	276,452	6.02	243,282	9.30
Associated Analyses							
Lab Control Sample	RQ2003022-04	249837	11.83	519248	6.52	449611	9.80
Method Blank	RQ2003022-05	254827	11.83	531224	6.52	477915	9.80
TB 032520	R2002580-001	249006	11.83	527917	6.52	460740	9.80
FB 032520	R2002580-005	262637	11.83	534190	6.52	473081	9.80
MW-17 032620	R2002580-008	264071	11.83	556179	6.52	486444	9.80
DUP032620	R2002580-010	253961	11.83	521507	6.52	460373	9.80

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:**03/27/20 12:20

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

File ID: I:\ACQUDATA\msvoa12\Data\032720\P34392.D\ **Lab Code:**RQ2003022-02
Instrument ID: R-MS-12 **Analysis Lot:**674997
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	366,289	5.43
	Upper Limit ==>	732,578	5.93
	Lower Limit ==>	183,145	4.93
Associated Analyses			
Lab Control Sample	RQ2003022-04	339741	5.45
Method Blank	RQ2003022-05	355131	5.44
TB 032520	R2002580-001	349280	5.44
FB 032520	R2002580-005	362275	5.45
MW-17 032620	R2002580-008	367634	5.44
DUP032620	R2002580-010	337174	5.45

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:** 03/30/20 10:55

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

File ID: I:\ACQUDATA\msvoa12\Data\033020\P34424.D\ **Lab Code:** RQ2003069-02
Instrument ID: R-MS-12 **Analysis Lot:** 675104
Analysis Method: 8260C **Signal ID:** 1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	273,724	11.83	544,786	6.52	491,637	9.80
	Upper Limit ==>	547,448	12.33	1,089,572	7.02	983,274	10.30
	Lower Limit ==>	136,862	11.33	272,393	6.02	245,819	9.30
Associated Analyses							
Lab Control Sample	RQ2003069-04	254186	11.83	532074	6.52	466637	9.80
Method Blank	RQ2003069-05	257152	11.83	545401	6.52	487874	9.80
MW-16 032620	R2002580-007	262892	11.83	557522	6.52	488655	9.80

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton/5101.0003 **Date Analyzed:** 03/30/20 10:55

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

File ID: I:\ACQUDATA\msvoa12\Data\033020\P34424.D\ **Lab Code:** RQ2003069-02
Instrument ID: R-MS-12 **Analysis Lot:** 675104
Analysis Method: 8260C **Signal ID:** 1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	359,924	5.45
	Upper Limit ==>	719,848	5.95
	Lower Limit ==>	179,962	4.95
Associated Analyses			
Lab Control Sample	RQ2003069-04	347171	5.45
Method Blank	RQ2003069-05	355788	5.44
MW-16 032620	R2002580-007	365205	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
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	TB 032520	**Units:**	ug/L
Lab Code:	R2002580-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.21	1	03/27/20 19:04	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 19:04	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 19:04	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 19:04	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 19:04	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 19:04	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 19:04	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 19:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/27/20 19:04	
Dibromofluoromethane	95	89 - 119	03/27/20 19:04	
Toluene-d8	99	87 - 121	03/27/20 19:04	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20 13:00
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	FB 032520	**Units:**	ug/L
Lab Code:	R2002580-005	**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	0.21	1	03/27/20 19:26	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 19:26	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 19:26	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 19:26	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 19:26	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 19:26	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 19:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 19:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	03/27/20 19:26	
Dibromofluoromethane	91	89 - 119	03/27/20 19:26	
Toluene-d8	95	87 - 121	03/27/20 19:26	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20 09:25
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	MW-16 032620	**Units:**	ug/L
Lab Code:	R2002580-007	**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)	**6.7**		1.0	0.21	1	03/30/20 14:34	
1,1-Dichloroethane (1,1-DCA)	**15**		1.0	0.20	1	03/30/20 14:34	
1,1-Dichloroethene (1,1-DCE)	**0.29**	**J**	1.0	0.25	1	03/30/20 14:34	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	03/30/20 14:34	
Trichloroethene (TCE)	**10**		1.0	0.20	1	03/30/20 14:34	
Vinyl Chloride	1.0	U	1.0	0.20	1	03/30/20 14:34	
cis-1,2-Dichloroethene	**34**		1.0	0.23	1	03/30/20 14:34	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	03/30/20 14:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/30/20 14:34	
Dibromofluoromethane	94	89 - 119	03/30/20 14:34	
Toluene-d8	98	87 - 121	03/30/20 14:34	

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20 10:35
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	MW-17 032620	**Units:**	ug/L
Lab Code:	R2002580-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.86**	**J**	1.0	0.21	1	03/27/20 21:58	
1,1-Dichloroethane (1,1-DCA)	**6.9**		1.0	0.20	1	03/27/20 21:58	
1,1-Dichloroethene (1,1-DCE)	**0.26**	**J**	1.0	0.25	1	03/27/20 21:58	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	03/27/20 21:58	
Trichloroethene (TCE)	**8.3**		1.0	0.20	1	03/27/20 21:58	
Vinyl Chloride	**0.69**	**J**	1.0	0.20	1	03/27/20 21:58	
cis-1,2-Dichloroethene	**19**		1.0	0.23	1	03/27/20 21:58	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	03/27/20 21:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	03/27/20 21:58	
Dibromofluoromethane	90	89 - 119	03/27/20 21:58	
Toluene-d8	93	87 - 121	03/27/20 21:58	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	DUP032620	**Units:**	ug/L
Lab Code:	R2002580-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**6.6**		1.0	0.21	1	03/27/20 22:19	
1,1-Dichloroethane (1,1-DCA)	**17**		1.0	0.20	1	03/27/20 22:19	
1,1-Dichloroethene (1,1-DCE)	**0.74**	**J**	1.0	0.25	1	03/27/20 22:19	
Tetrachloroethene (PCE)	**0.23**	**J**	1.0	0.21	1	03/27/20 22:19	
Trichloroethene (TCE)	**17**		1.0	0.20	1	03/27/20 22:19	
Vinyl Chloride	1.0	U	1.0	0.20	1	03/27/20 22:19	
cis-1,2-Dichloroethene	**44**		1.0	0.23	1	03/27/20 22:19	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	03/27/20 22:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/27/20 22:19	
Dibromofluoromethane	94	89 - 119	03/27/20 22:19	
Toluene-d8	98	87 - 121	03/27/20 22:19	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34408.D
Acq On : 27 Mar 2020 7:04 pm
Operator : K.Ruest
Sample : R2002580-001|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 31 16:34:04 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

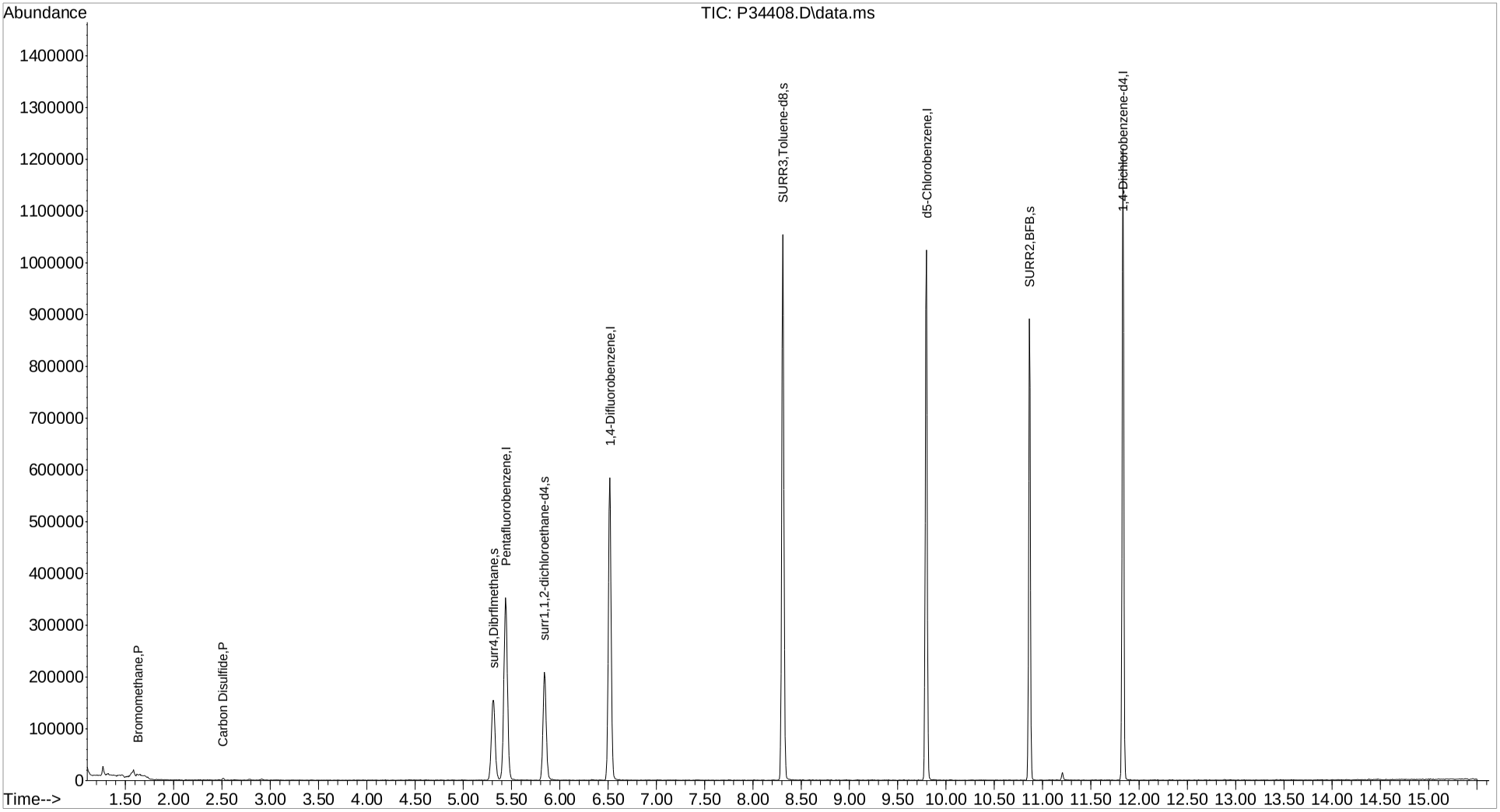
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.438	168	349280	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.517	114	527917	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	460740	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	249006	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.310	113	131853	47.29	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 94.58%			
48) surr1,1,2-dichloroetha...	5.840	65	169412	50.10	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.20%			
65) SURR3,Toluene-d8	8.309	98	647274	49.73	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.46%			
70) SURR2,BFB	10.864	95	233943	46.55	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.10%			
Target Compounds						Qvalue
5) Bromomethane	1.628	94	1264	0.37	ppb	92
18) Carbon Disulfide	2.512	76	3493	0.42	ppb	92

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

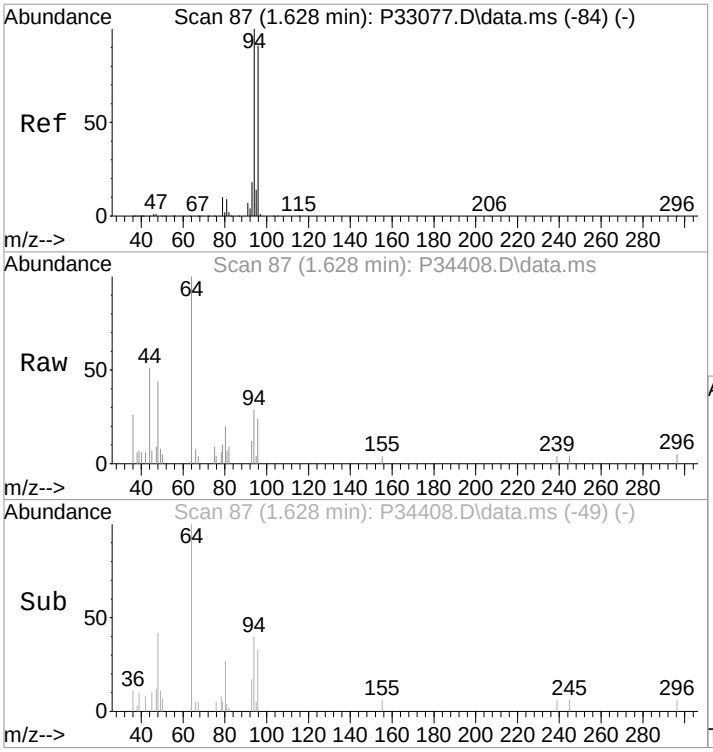
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34408.D
Acq On : 27 Mar 2020 7:04 pm
Operator : K.Ruest
Sample : R2002580-001|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 31 16:34:04 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



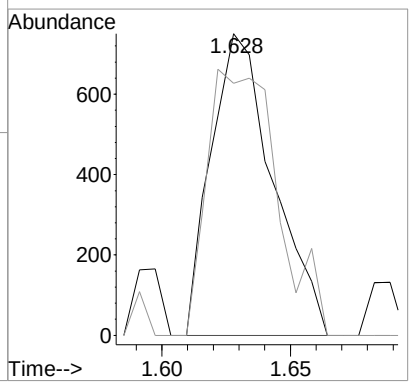
1st 03/31/20
2nd 04/02/20

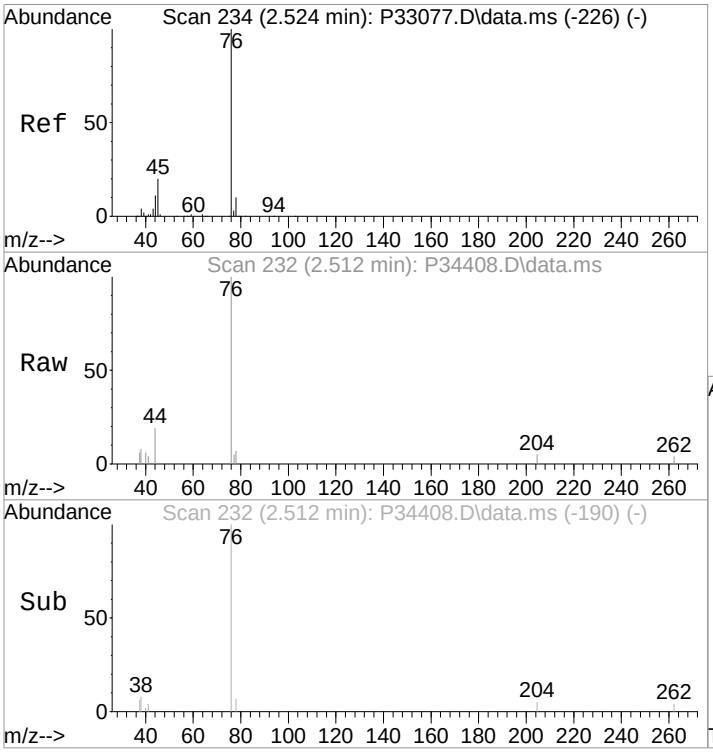


#5
Bromomethane
Concen: 0.37 ppb
RT: 1.628 min Scan# 87
Delta R.T. 0.006 min
Lab File: P34408.D
Acq: 27 Mar 2020 7:04 pm

Tgt Ion: 94 Resp: 1264

Ion	Ratio	Lower	Upper
94	100		
96	83.5	71.1	111.1

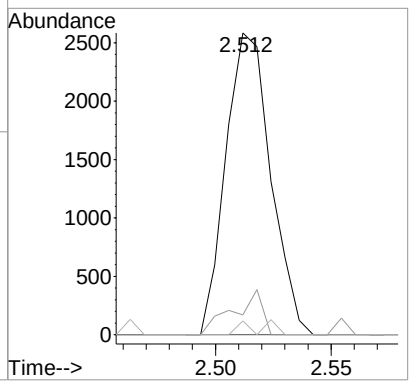




#18
Carbon Disulfide
Concen: 0.42 ppb
RT: 2.512 min Scan# 232
Delta R.T. 0.000 min
Lab File: P34408.D
Acq: 27 Mar 2020 7:04 pm

Tgt Ion: 76 Resp: 3493

Ion	Ratio	Lower	Upper
76	100		
78	6.6	0.0	29.9
77	4.6	0.0	22.7

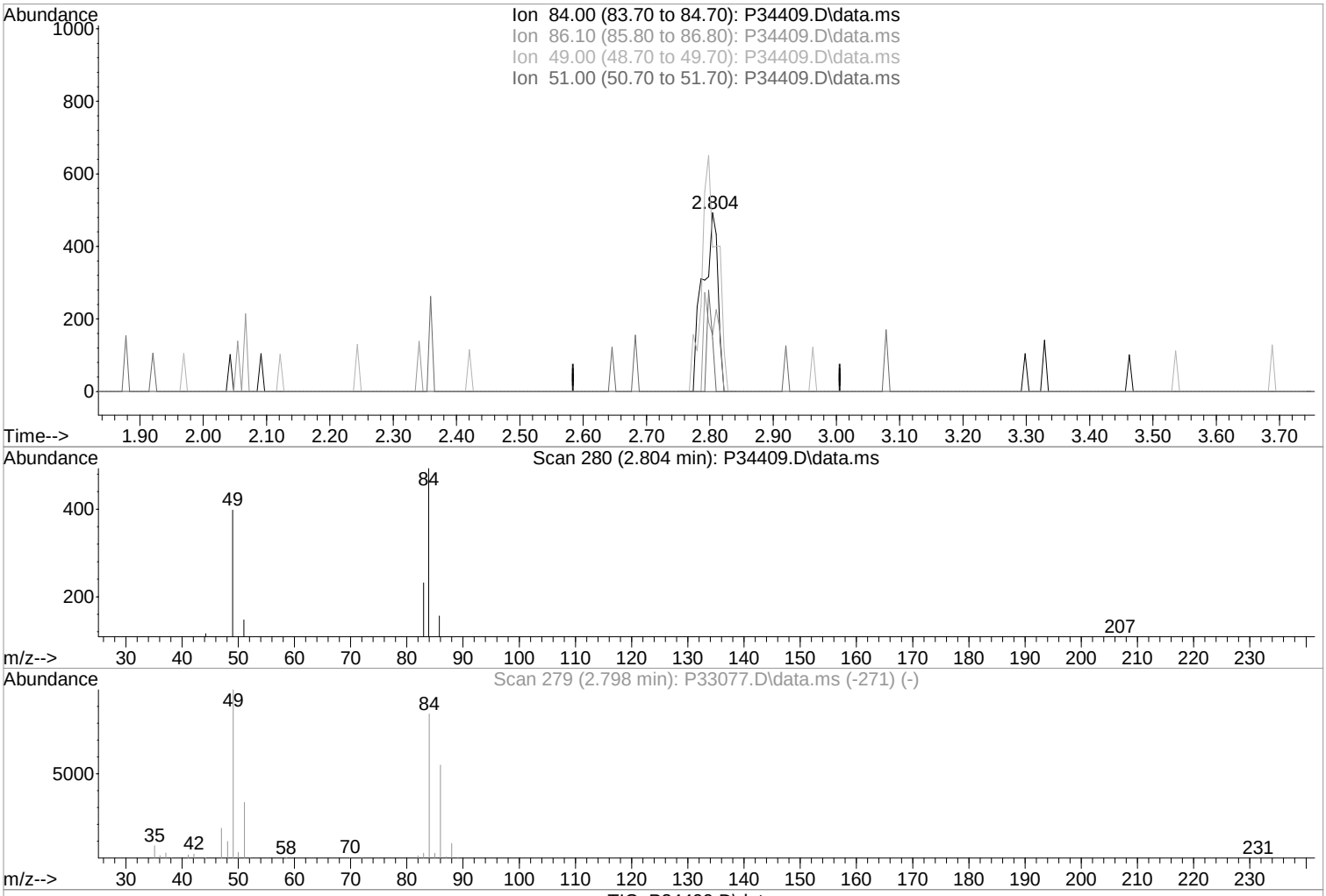


1st 03/31/20
2nd 04/02/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34409.D
Acq On : 27 Mar 2020 7:26 pm
Operator : K.Ruest
Sample : R2002580-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 10:18:45 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34409.D\data.ms

(22) Methylene Chloride (P)

2.804min (+0.018) 0.22 ppb m

response 817

Ion	Exp%	Act%
84.00	100	100
86.10	64.50	31.64#
49.00	116.80	80.73#
51.00	38.50	29.82

Manual Integration:

After

Peak not found.

03/31/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34409.D
Acq On : 27 Mar 2020 7:26 pm
Operator : K.Ruest
Sample : R2002580-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 31 16:35:54 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

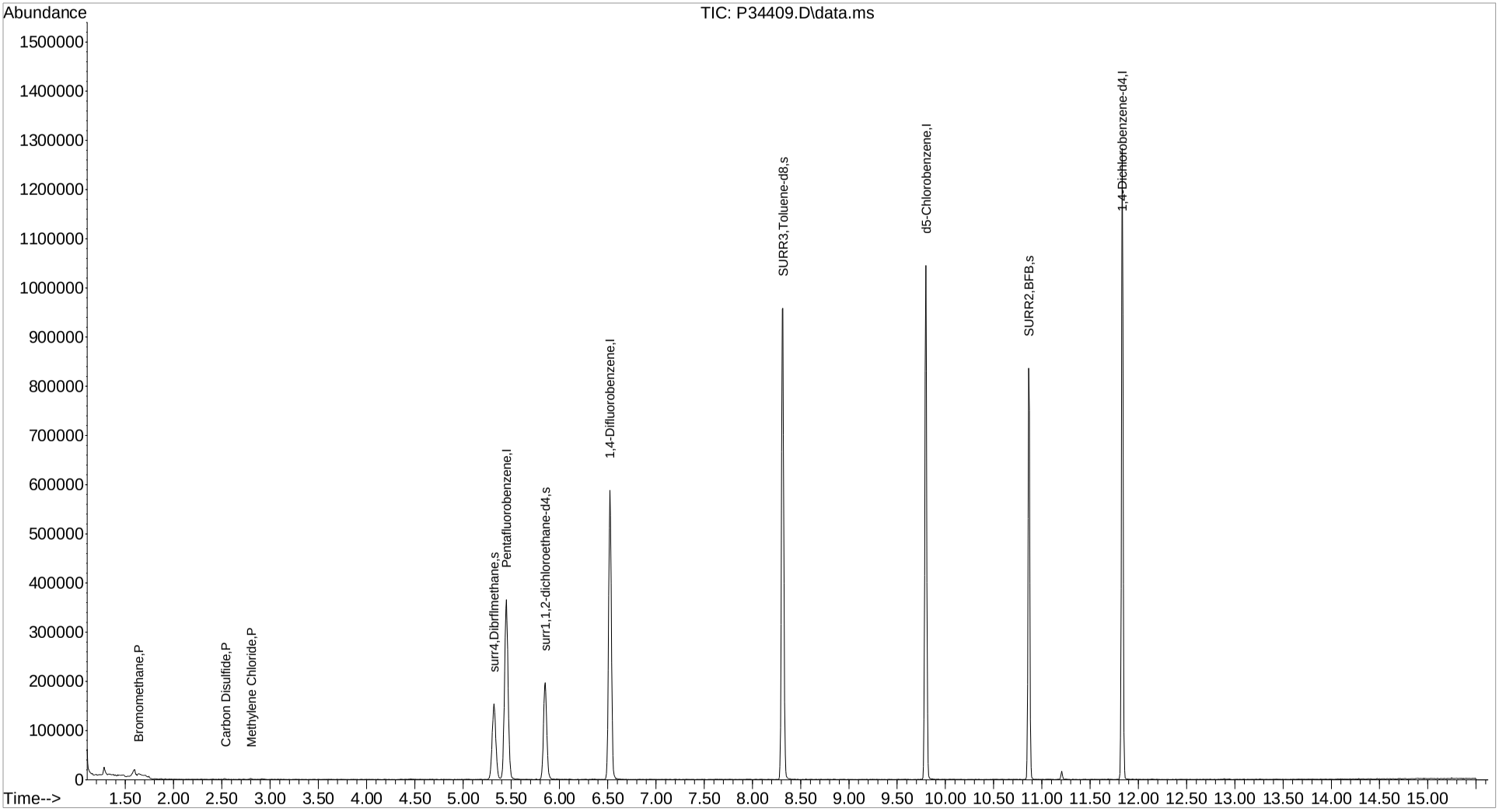
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	362275	50.00	ppb	0.01
43) 1,4-Difluorobenzene	6.523	114	534190	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	473081	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	262637	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.322	113	127714	45.27	ppb	0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.54%			
48) surr1,1,2-dichloroetha...	5.852	65	160761	46.98	ppb	0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 93.96%			
65) SURR3,Toluene-d8	8.315	98	625854	47.52	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.04%			
70) SURR2,BFB	10.864	95	224300	44.10	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 88.20%			
Target Compounds						Qvalue
5) Bromomethane	1.634	94	1162	0.33	ppb	97
18) Carbon Disulfide	2.536	76	2145	0.25	ppb	95
22) Methylene Chloride	2.804	84	817m	0.22	ppb	

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

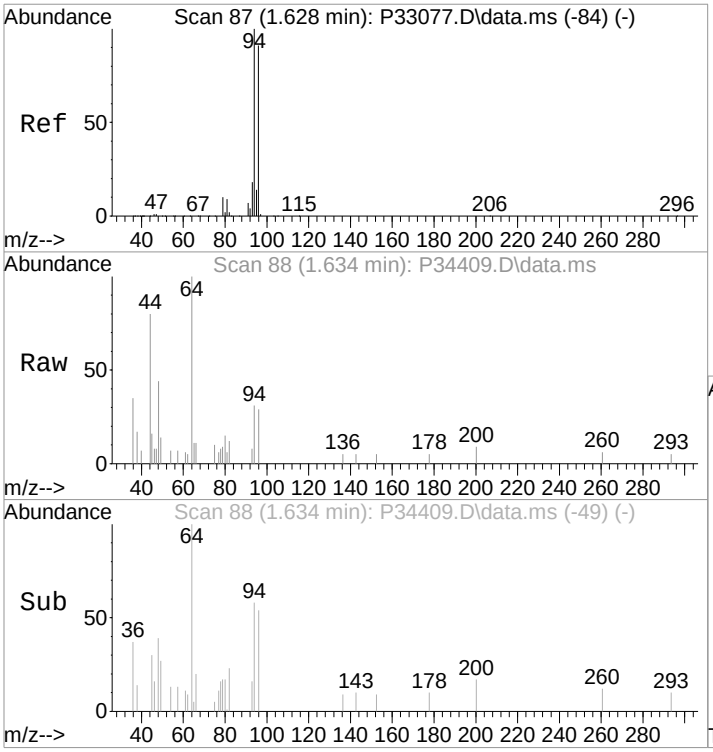
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34409.D
Acq On : 27 Mar 2020 7:26 pm
Operator : K.Ruest
Sample : R2002580-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 31 16:35:54 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



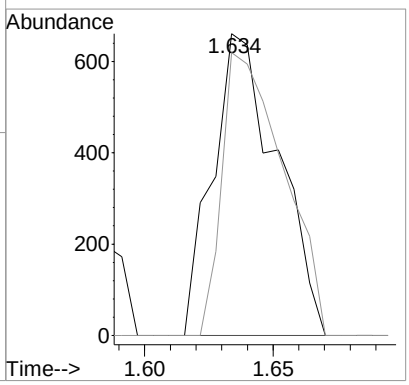
1st 03/31/20
2nd 04/02/20

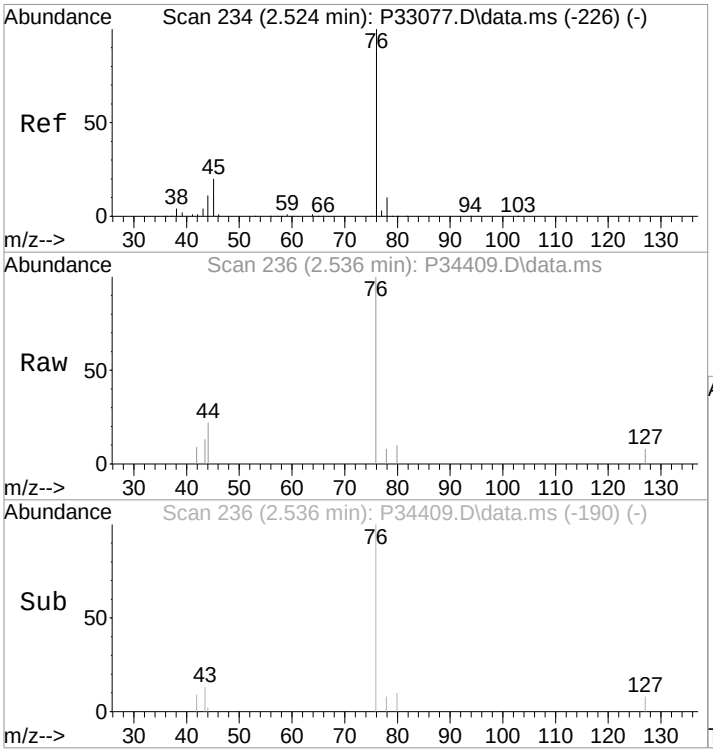


#5
Bromomethane
Concen: 0.33 ppb
RT: 1.634 min Scan# 88
Delta R.T. 0.012 min
Lab File: P34409.D
Acq: 27 Mar 2020 7:26 pm

Tgt Ion: 94 Resp: 1162

Ion	Ratio	Lower	Upper
94	100		
96	93.6	71.1	111.1

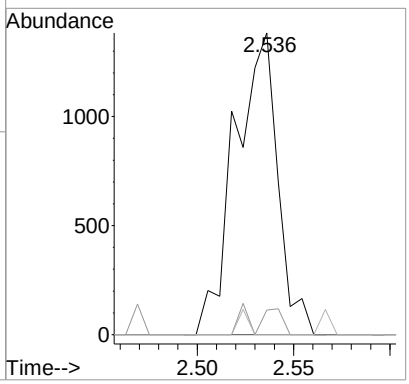


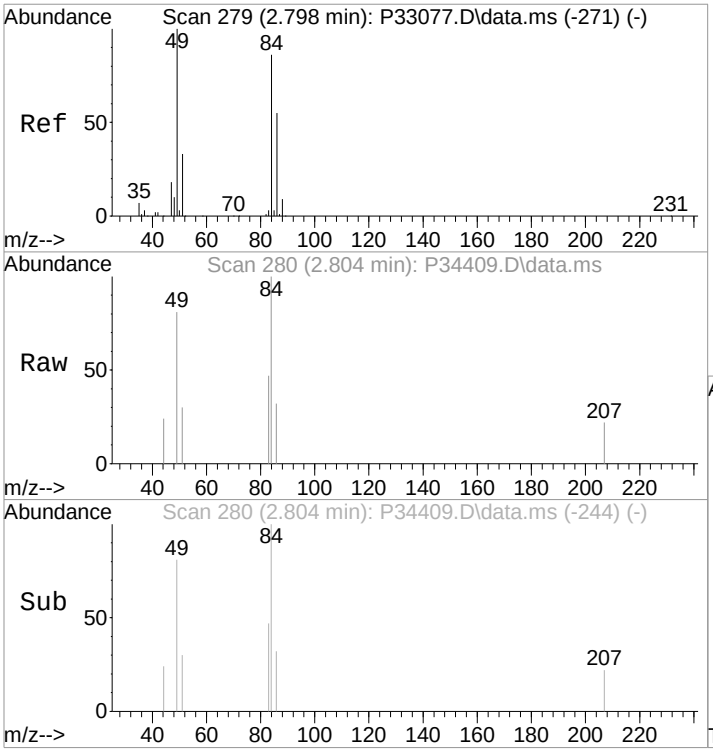


#18
Carbon Disulfide
Concen: 0.25 ppb
RT: 2.536 min Scan# 236
Delta R.T. 0.024 min
Lab File: P34409.D
Acq: 27 Mar 2020 7:26 pm

Tgt Ion: 76 Resp: 2145

Ion	Ratio	Lower	Upper
76	100		
78	8.2	0.0	29.9
77	0.0	0.0	22.7

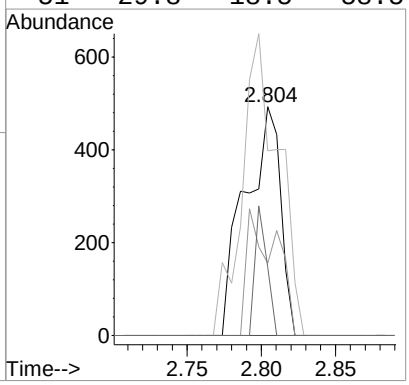




#22
Methylene Chloride
Concen: 0.22 ppb m
RT: 2.804 min Scan# 280
Delta R.T. 0.018 min
Lab File: P34409.D
Acq: 27 Mar 2020 7:26 pm

Tgt Ion: 84 Resp: 817

Ion	Ratio	Lower	Upper
84	100		
86	31.6	44.5	84.5#
49	80.7	96.8	136.8#
51	29.8	18.5	58.5



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34433.D
Acq On : 30 Mar 2020 2:34 pm
Operator : K.Ruest
Sample : R2002580-007|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 16:42:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

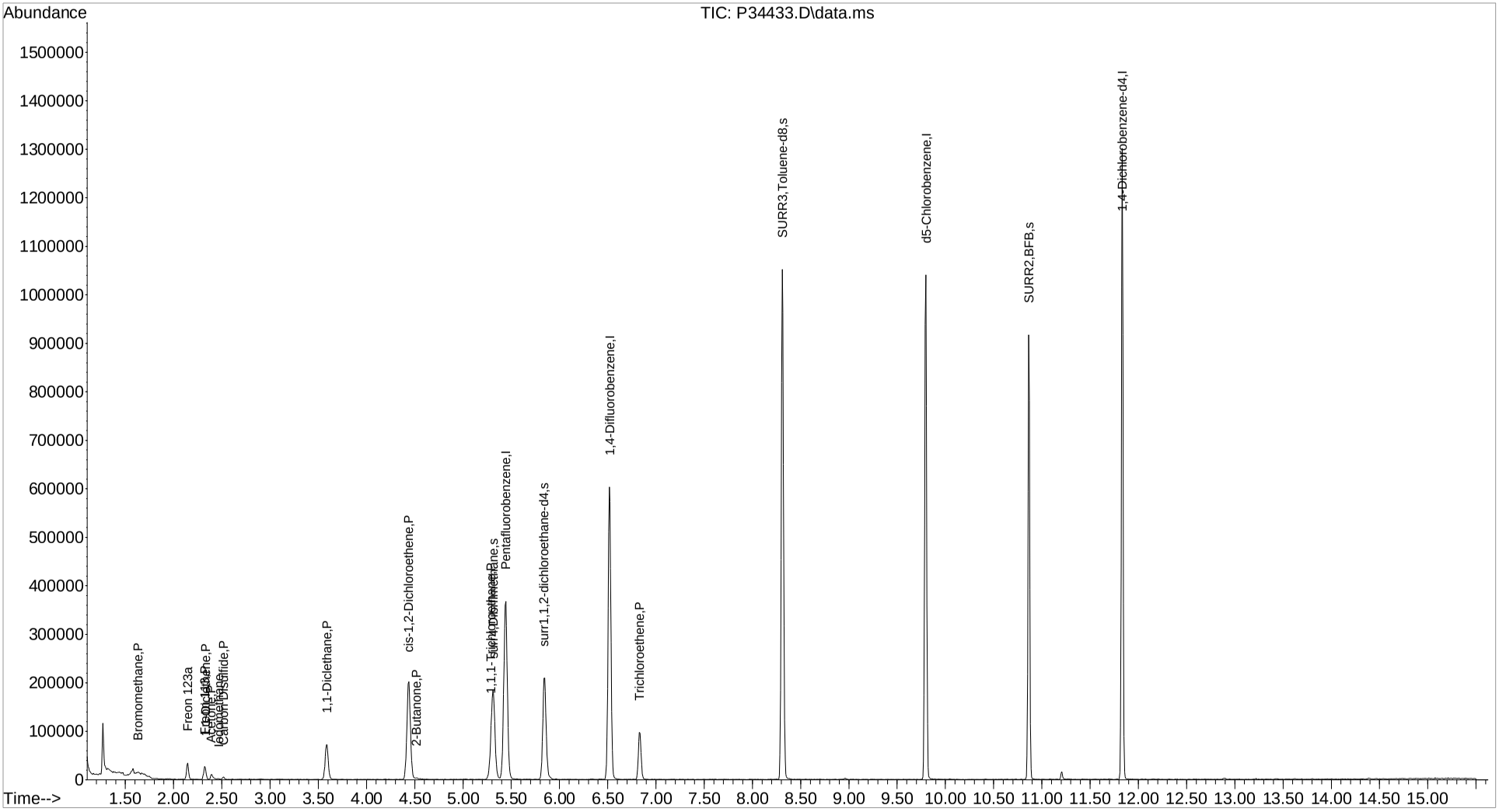
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	365205	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	557522	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	488655	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	262892	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	138166	46.92	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.84%				
48) surr1,1,2-dichloroetha...	5.840	65	176793	49.50	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.00%				
65) SURR3,Toluene-d8	8.309	98	675262	49.12	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.24%				
70) SURR2,BFB	10.864	95	242414	45.67	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.34%				
Target Compounds							Qvalue
5) Bromomethane	1.628	94	1694	0.48	ppb		87
10) Freon 123a	2.146	67	13443	4.03	ppb		95
13) 1,1-Diclethene	2.329	96	822	0.29	ppb	#	77
14) Freon 113	2.323	101	8956	3.34	ppb		79
15) Acetone	2.390	43	11625	7.57	ppb		93
17) Iodomethane	2.469	142	406	2.05	ppb		81
18) Carbon Disulfide	2.518	76	4971	0.57	ppb		87
28) 1,1-Diclethane	3.591	63	83528	15.28	ppb		97
34) cis-1,2-Dichloroethene	4.432	96	124001	33.81	ppb		98
35) 2-Butanone	4.517	43	3705	1.64	ppb		78
41) 1,1,1-Trichloroethane	5.292	97	28960	6.67	ppb		97
54) Trichloroethene	6.828	130	36546	10.42	ppb		95

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

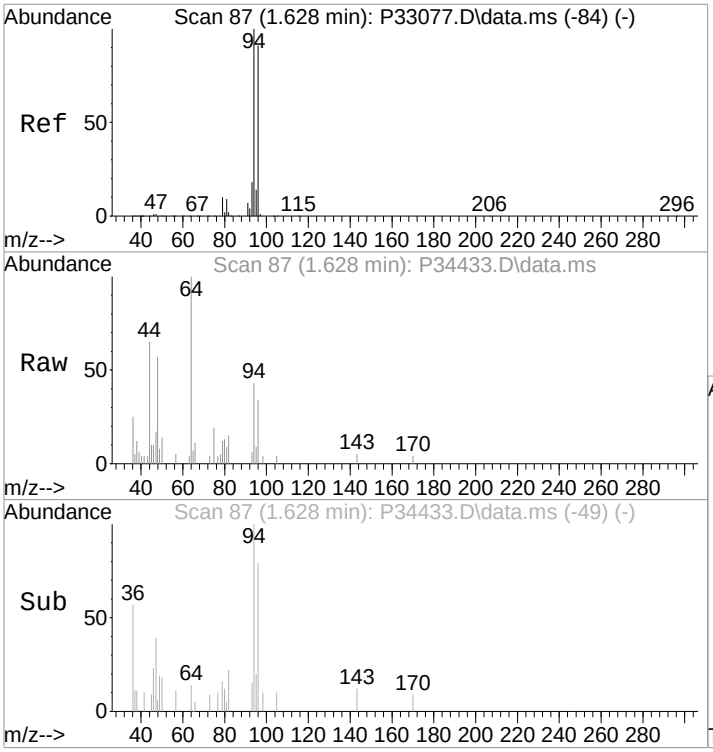
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34433.D
Acq On : 30 Mar 2020 2:34 pm
Operator : K.Ruest
Sample : R2002580-007|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 16:42:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



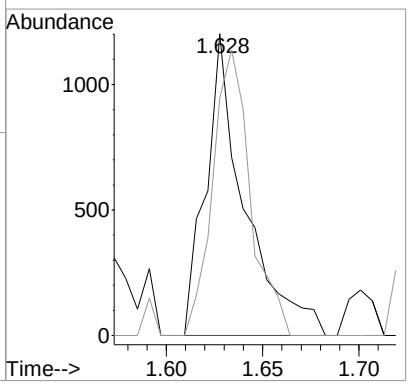
1st 04/01/20
2nd 04/03/20

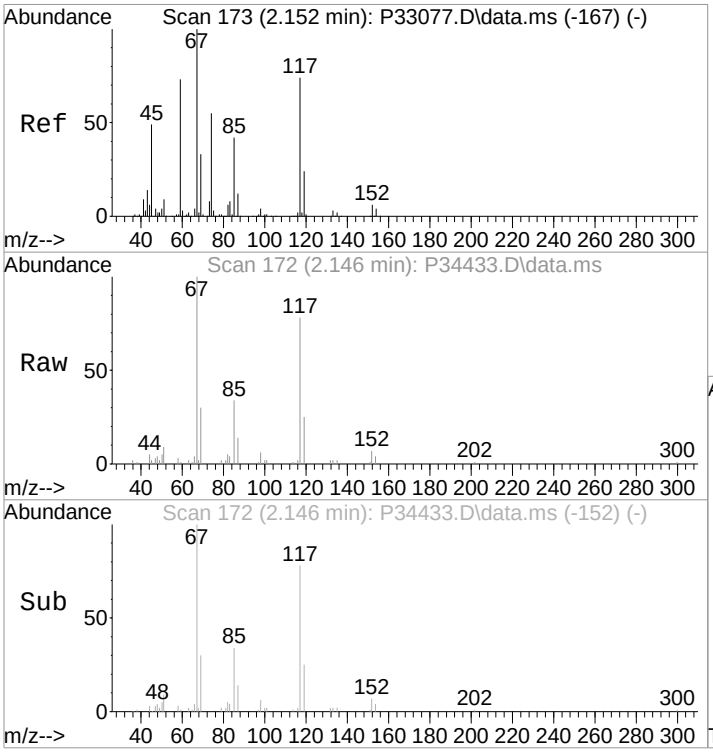


#5
Bromomethane
Concen: 0.48 ppb
RT: 1.628 min Scan# 87
Delta R.T. 0.006 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 94 Resp: 1694

Ion	Ratio	Lower	Upper
94	100		
96	78.6	71.1	111.1

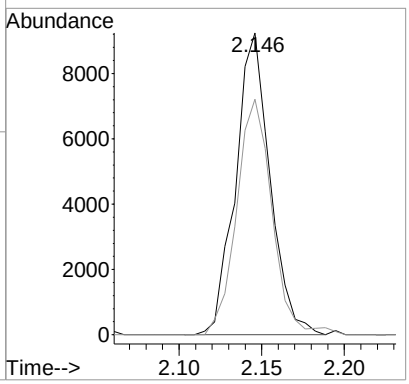


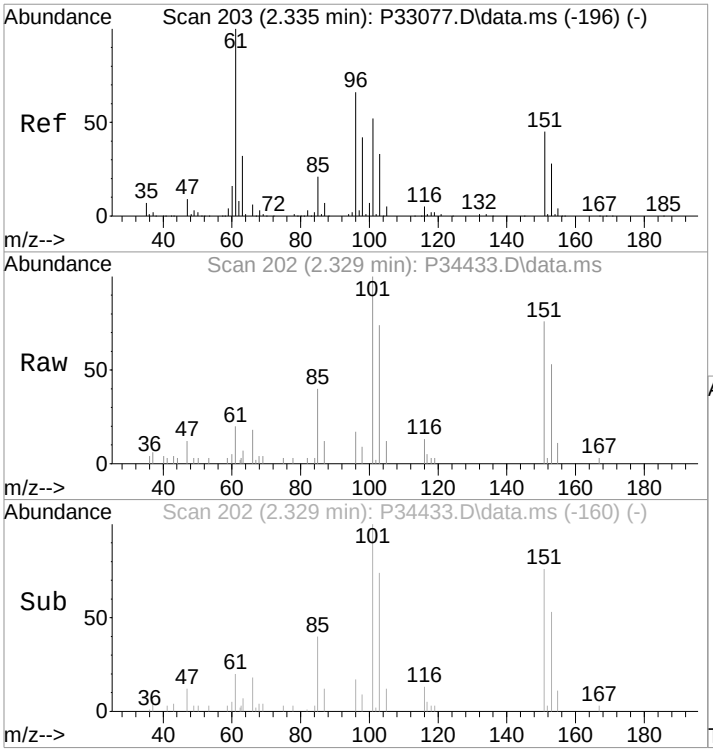


#10
Freon 123a
Concen: 4.03 ppb
RT: 2.146 min Scan# 172
Delta R.T. 0.006 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 67 Resp: 13443

Ion	Ratio	Lower	Upper
67	100		
117	78.0	53.9	93.9

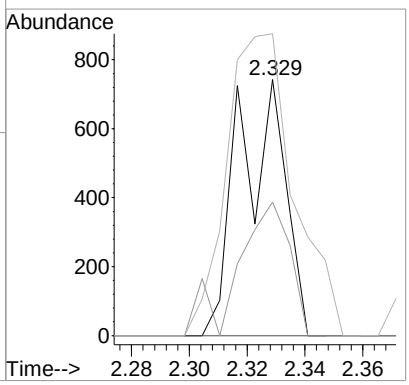


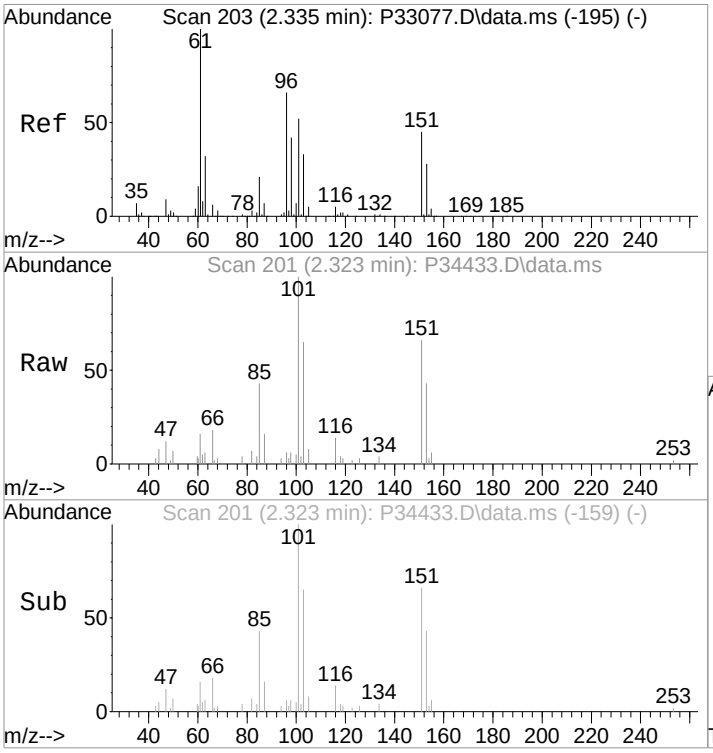


#13
1,1-Diclethene
Concen: 0.29 ppb
RT: 2.329 min Scan# 202
Delta R.T. 0.006 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 96 Resp: 822

Ion	Ratio	Lower	Upper
96	100		
98	52.1	43.5	83.5
61	117.9	131.4	171.4#

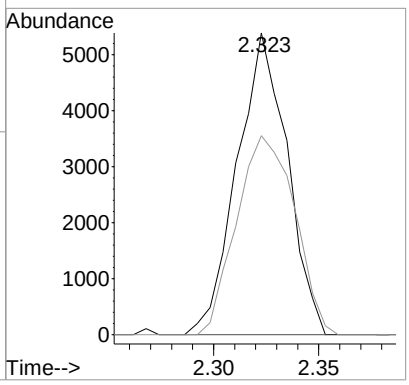


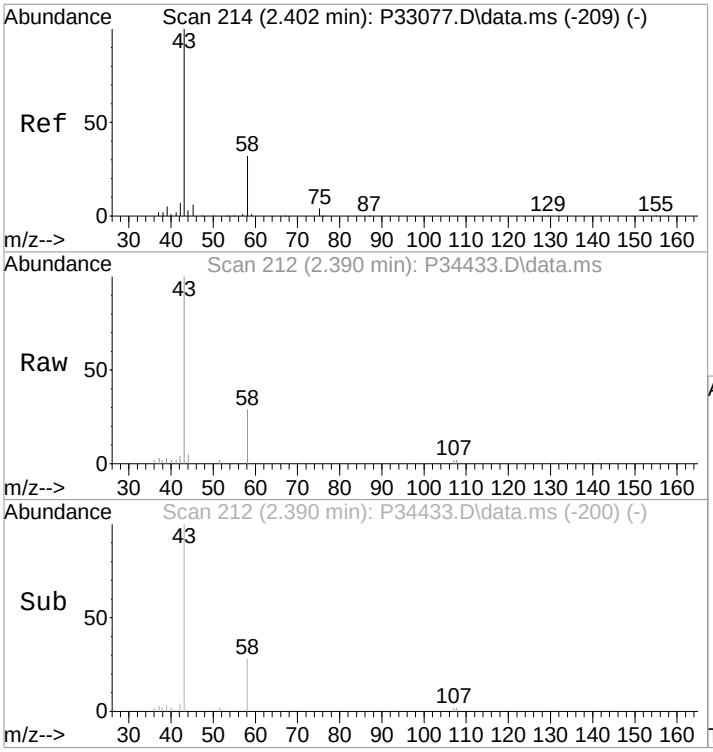


#14
Freon 113
Concen: 3.34 ppb
RT: 2.323 min Scan# 201
Delta R.T. -0.000 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion:101 Resp: 8956

Ion	Ratio	Lower	Upper
101	100		
151	66.0	65.2	105.2

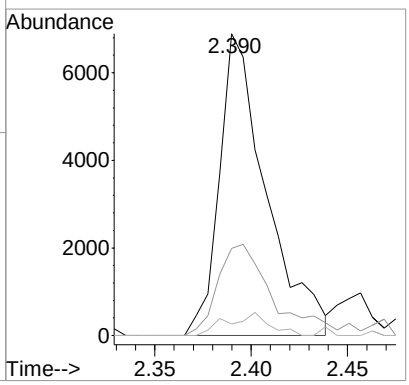


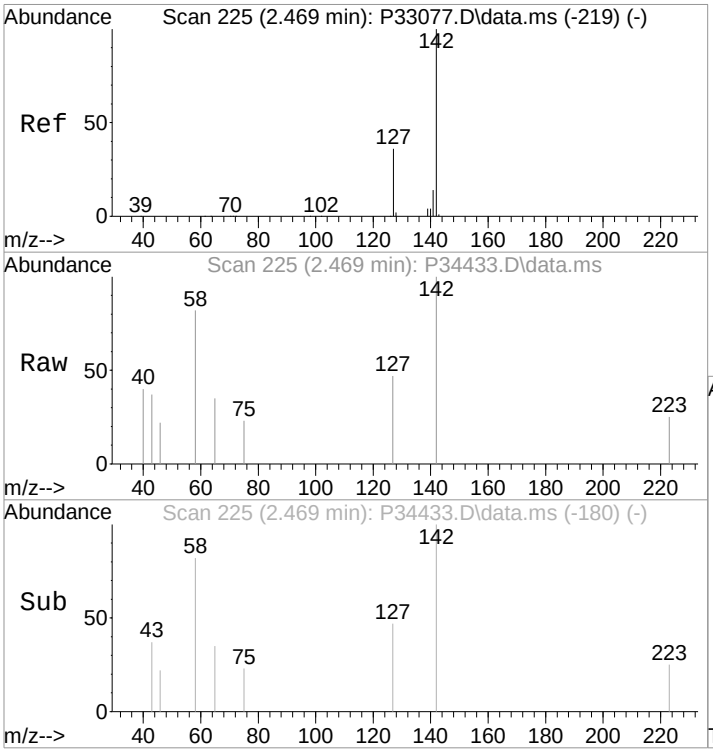


#15
Acetone
Concen: 7.57 ppb
RT: 2.390 min Scan# 212
Delta R.T. -0.000 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 43 Resp: 11625

Ion	Ratio	Lower	Upper
43	100		
58	28.9	12.3	52.3
42	3.8	0.0	27.0

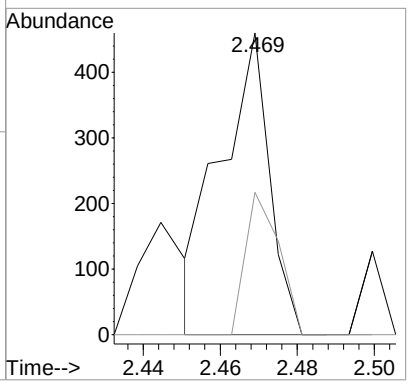


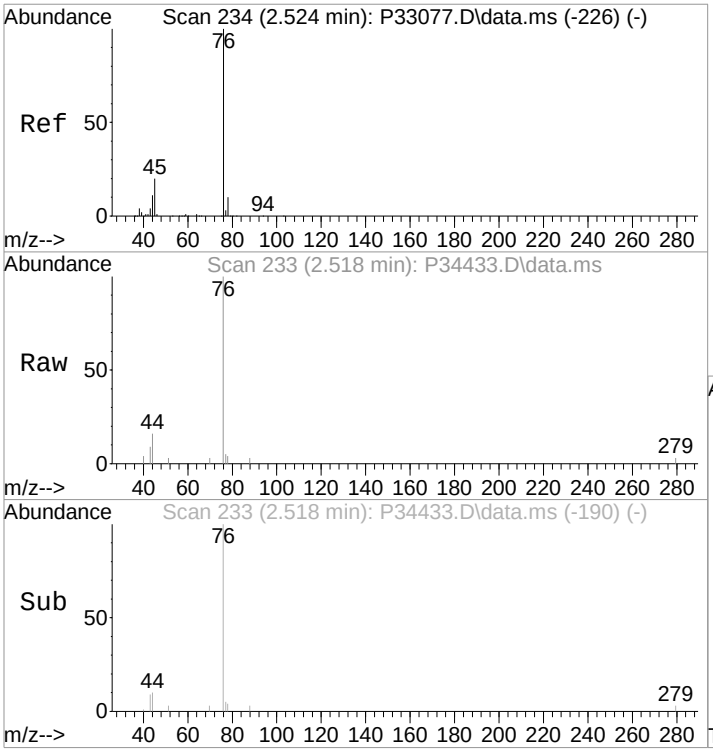


#17
Iodomethane
Concen: 2.05 ppb
RT: 2.469 min Scan# 225
Delta R.T. 0.013 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion:142 Resp: 406

Ion	Ratio	Lower	Upper
142	100		
127	47.2	15.8	55.8

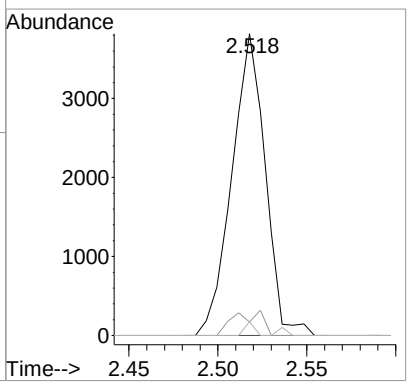


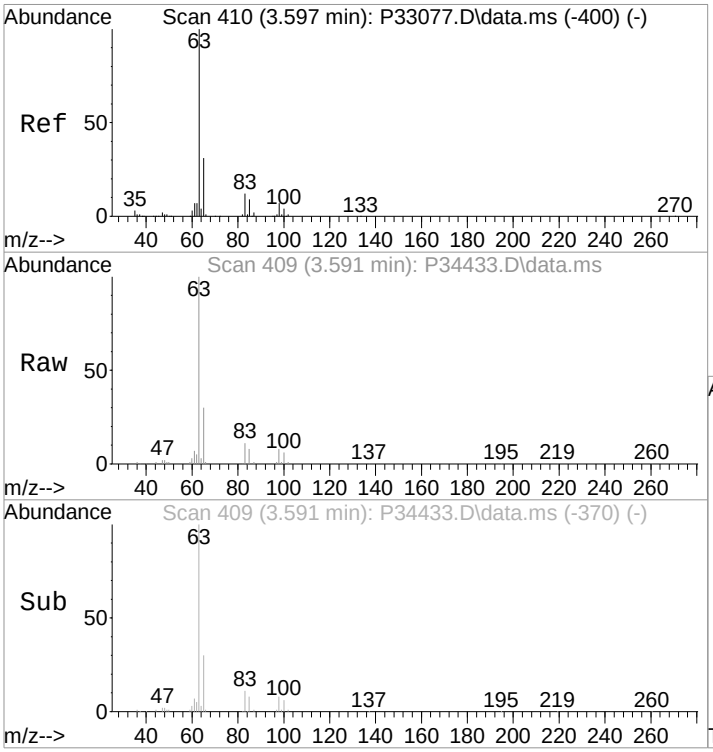


#18
Carbon Disulfide
Concen: 0.57 ppb
RT: 2.518 min Scan# 233
Delta R.T. 0.006 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 76 Resp: 4971

Ion	Ratio	Lower	Upper
76	100		
78	4.4	0.0	29.9
77	4.5	0.0	22.7

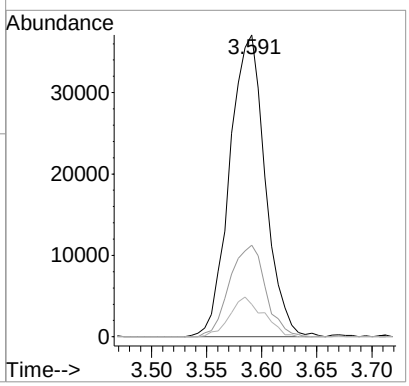


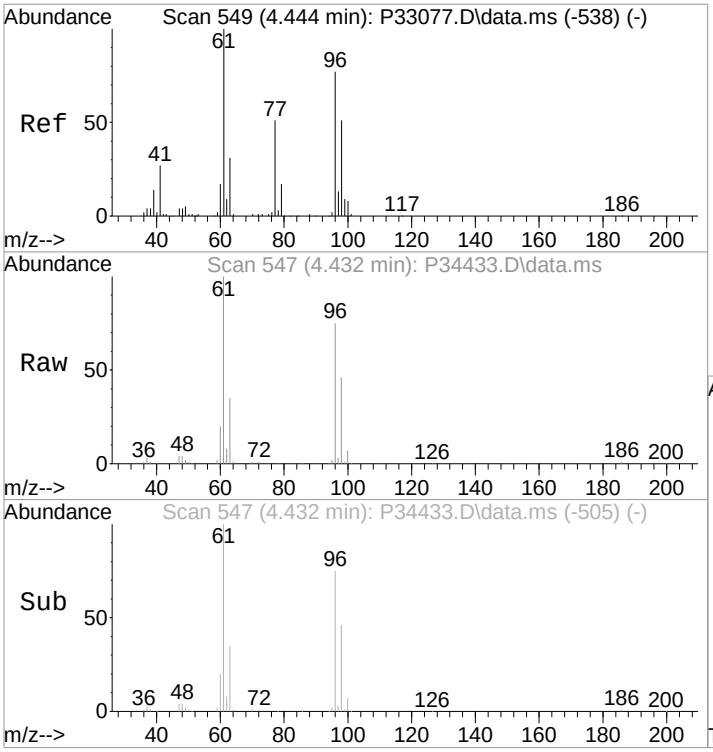


#28
1,1-Diclethane
Concen: 15.28 ppb
RT: 3.591 min Scan# 409
Delta R.T. 0.012 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 63 Resp: 83528

Ion	Ratio	Lower	Upper
63	100		
65	30.3	11.4	51.4
83	10.7	0.0	32.4

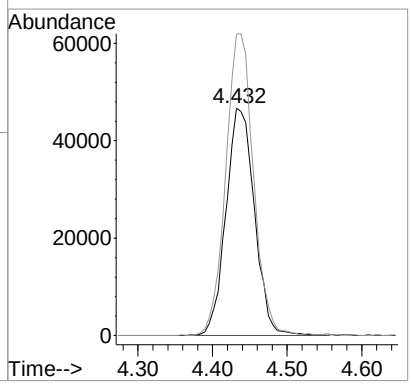


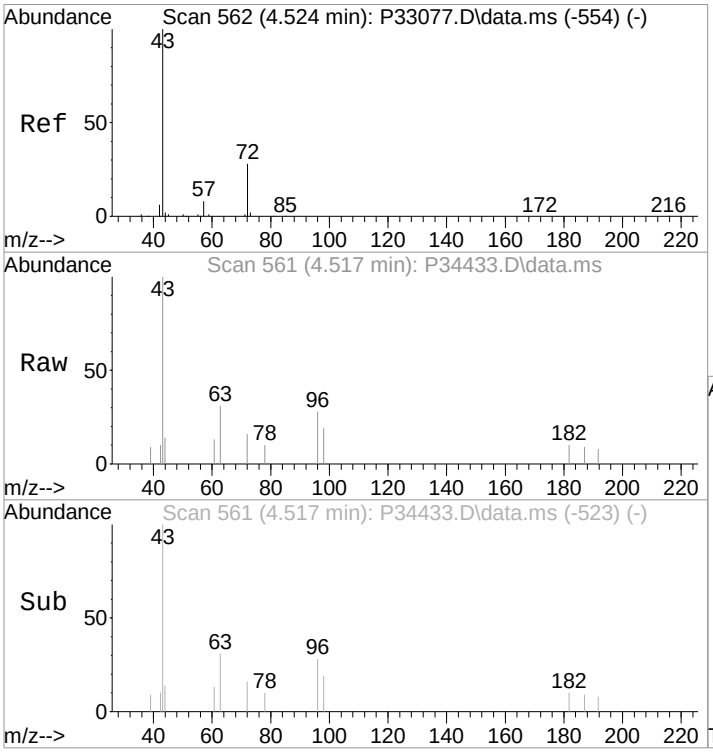


#34
cis-1,2-Dichloroethene
Concen: 33.81 ppb
RT: 4.432 min Scan# 547
Delta R.T. -0.000 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 96 Resp: 124001

Ion	Ratio	Lower	Upper
96	100		
61	132.7	110.1	150.1

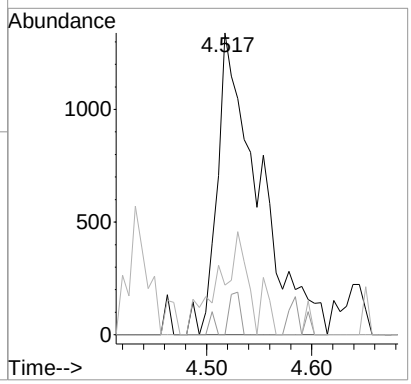


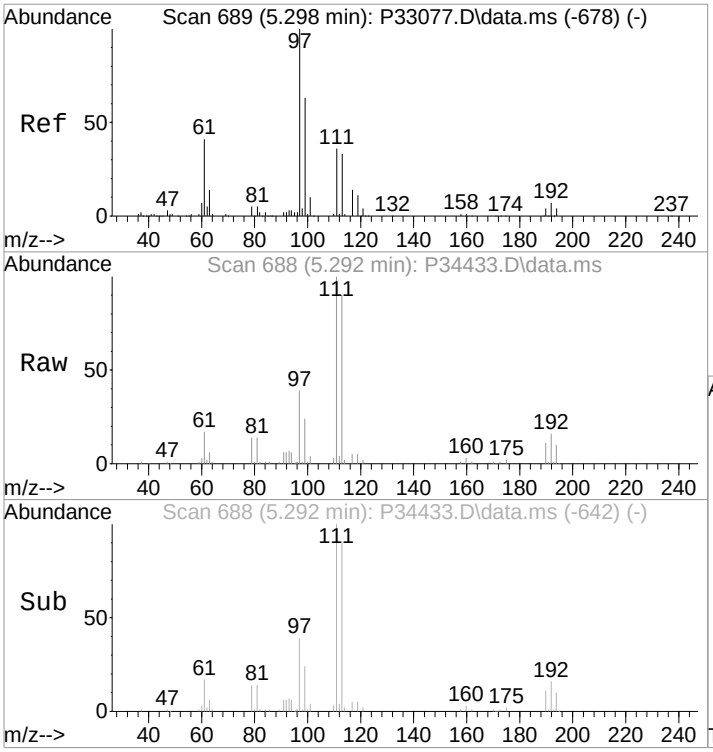


#35
2-Butanone
Concen: 1.64 ppb
RT: 4.517 min Scan# 561
Delta R.T. 0.006 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 43 Resp: 3705

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.2
72	16.5	8.0	48.0

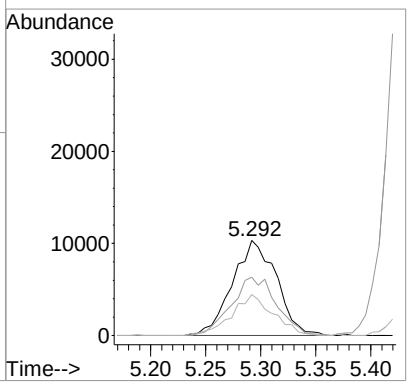


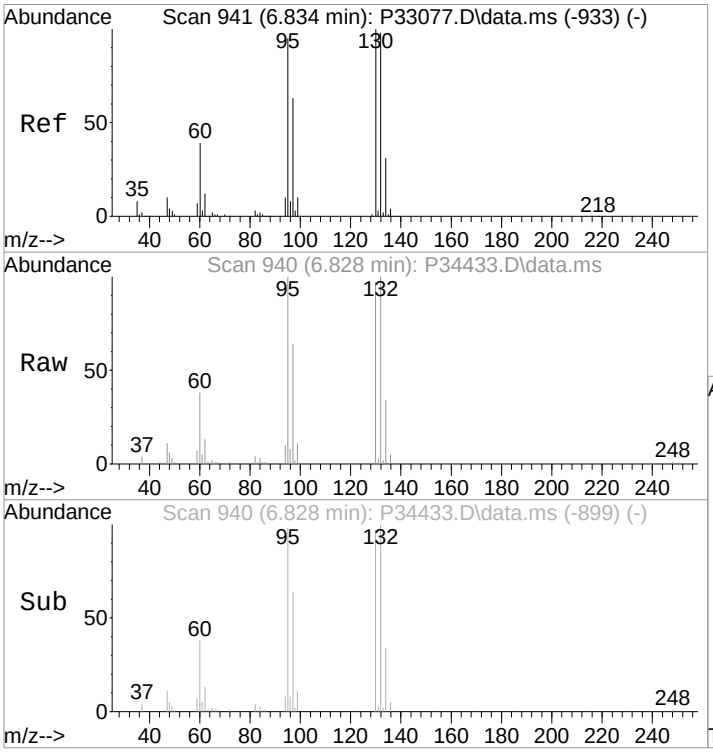


#41
1,1,1-Trichloroethane
Concen: 6.67 ppb
RT: 5.292 min Scan# 688
Delta R.T. -0.000 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion: 97 Resp: 28960

Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.2	83.2
61	43.1	20.9	60.9

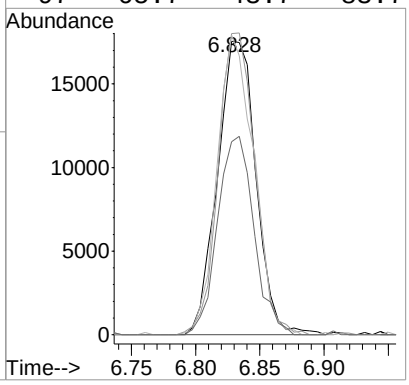




#54
Trichloroethene
Concen: 10.42 ppb
RT: 6.828 min Scan# 940
Delta R.T. -0.000 min
Lab File: P34433.D
Acq: 30 Mar 2020 2:34 pm

Tgt Ion:130 Resp: 36546

Ion	Ratio	Lower	Upper
130	100		
132	102.6	78.5	118.5
95	102.1	74.5	114.5
97	65.7	43.7	83.7

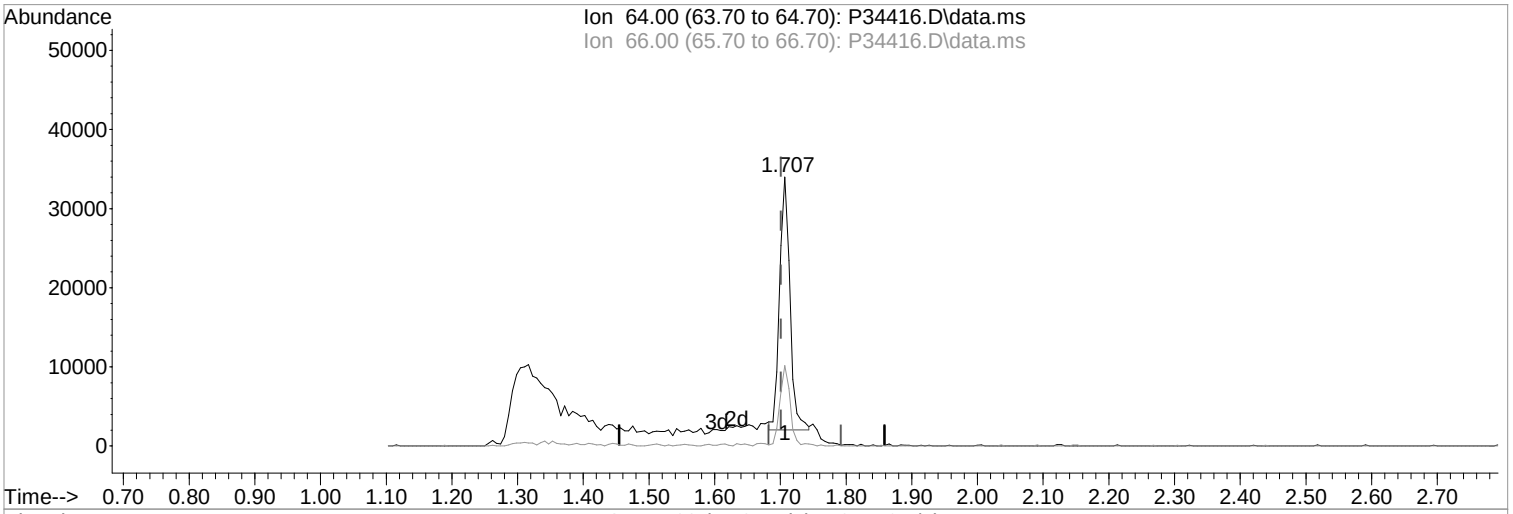


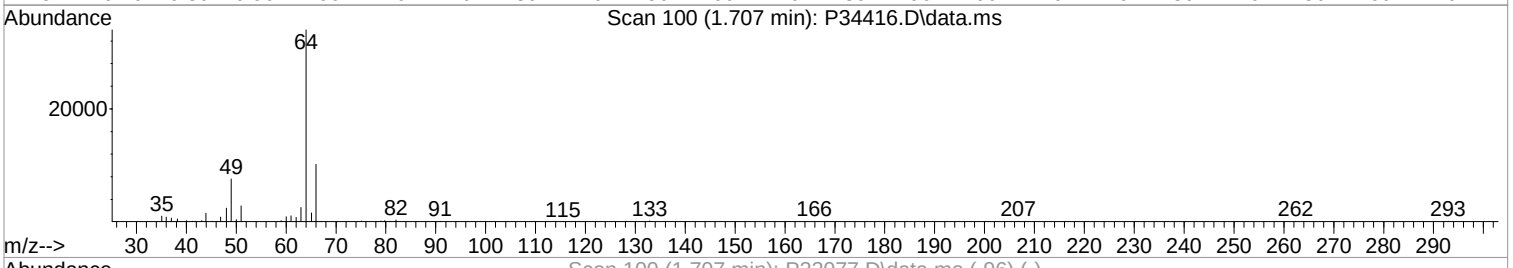
1st 03/31/20
2nd 04/02/20

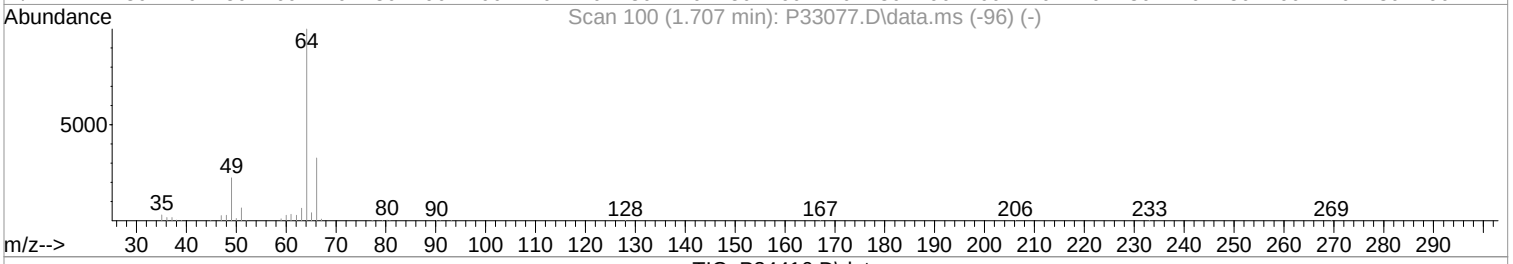
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34416.D
Acq On : 27 Mar 2020 9:58 pm
Operator : K.Ruest
Sample : R2002580-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 30 10:27:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34416.D\data.ms

(6) Chloroethane (P)

1.707min (+0.006) 12.11 ppb m

response 35150

Ion	Exp%	Act%
64.00	100	100
66.00	32.80	29.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

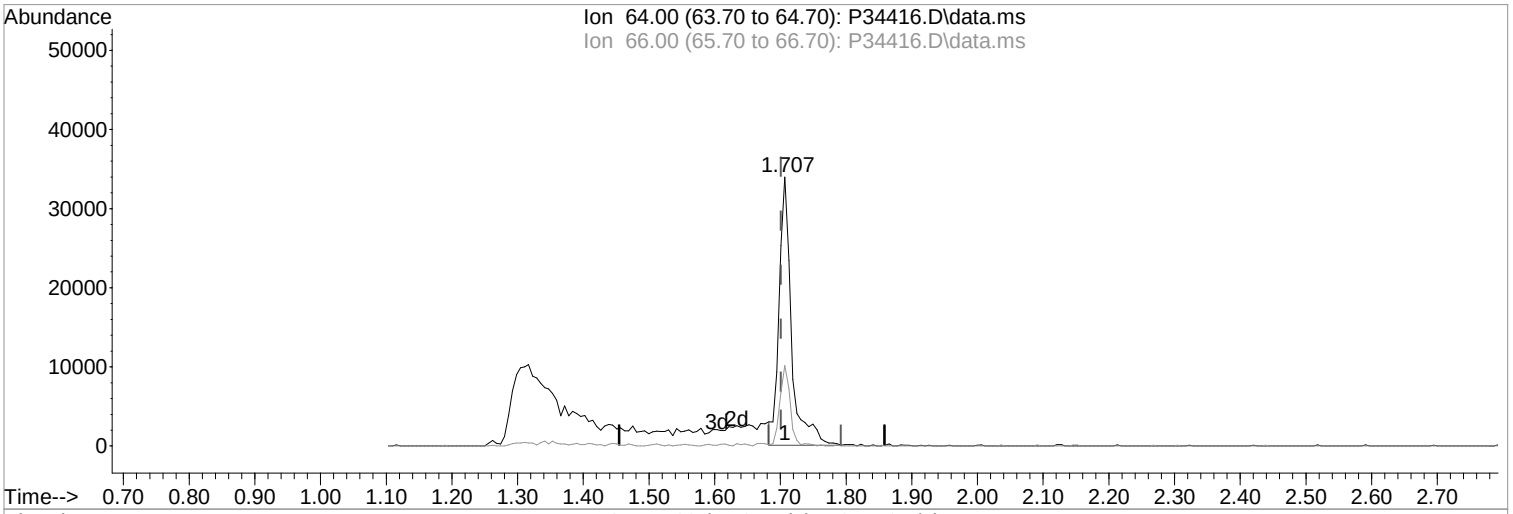
03/31/20

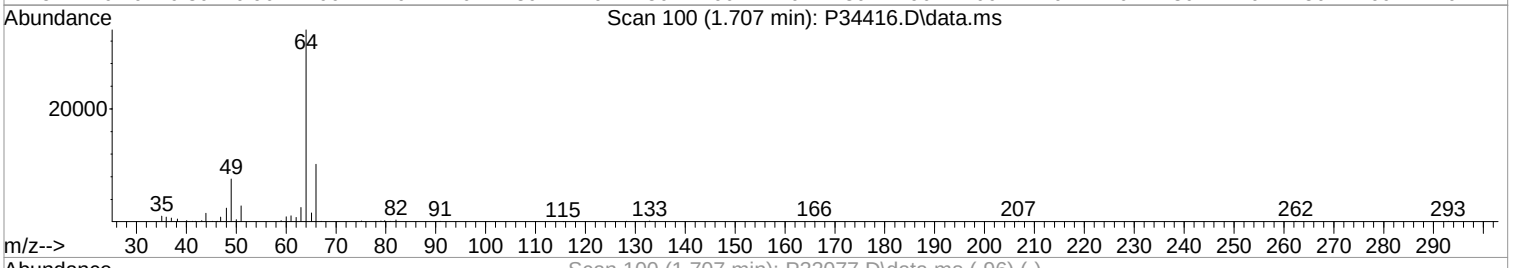
1st 03/31/20
2nd 04/02/20

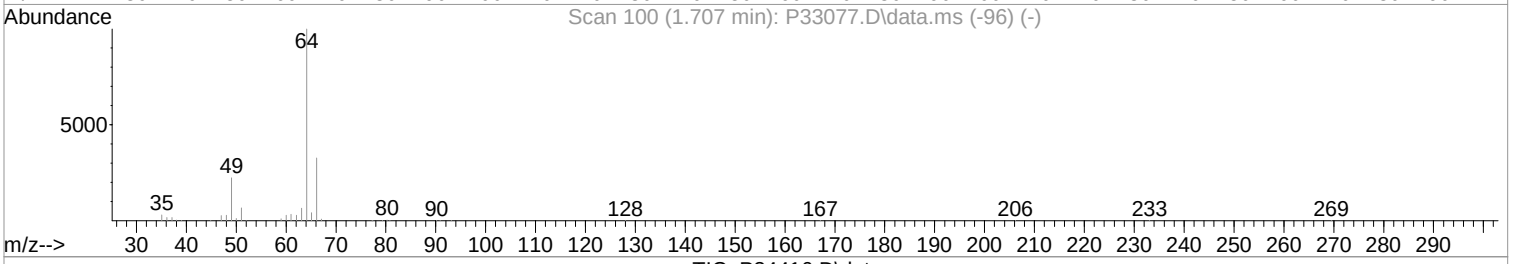
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34416.D
Acq On : 27 Mar 2020 9:58 pm
Operator : K.Ruest
Sample : R2002580-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 30 10:27:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34416.D\data.ms

(6) Chloroethane (P)

1.707min (+0.006) 15.39 ppb

response 44682

Ion	Exp%	Act%
64.00	100	100
66.00	32.80	29.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/31/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34416.D
Acq On : 27 Mar 2020 9:58 pm
Operator : K.Ruest
Sample : R2002580-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 31 16:47:36 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

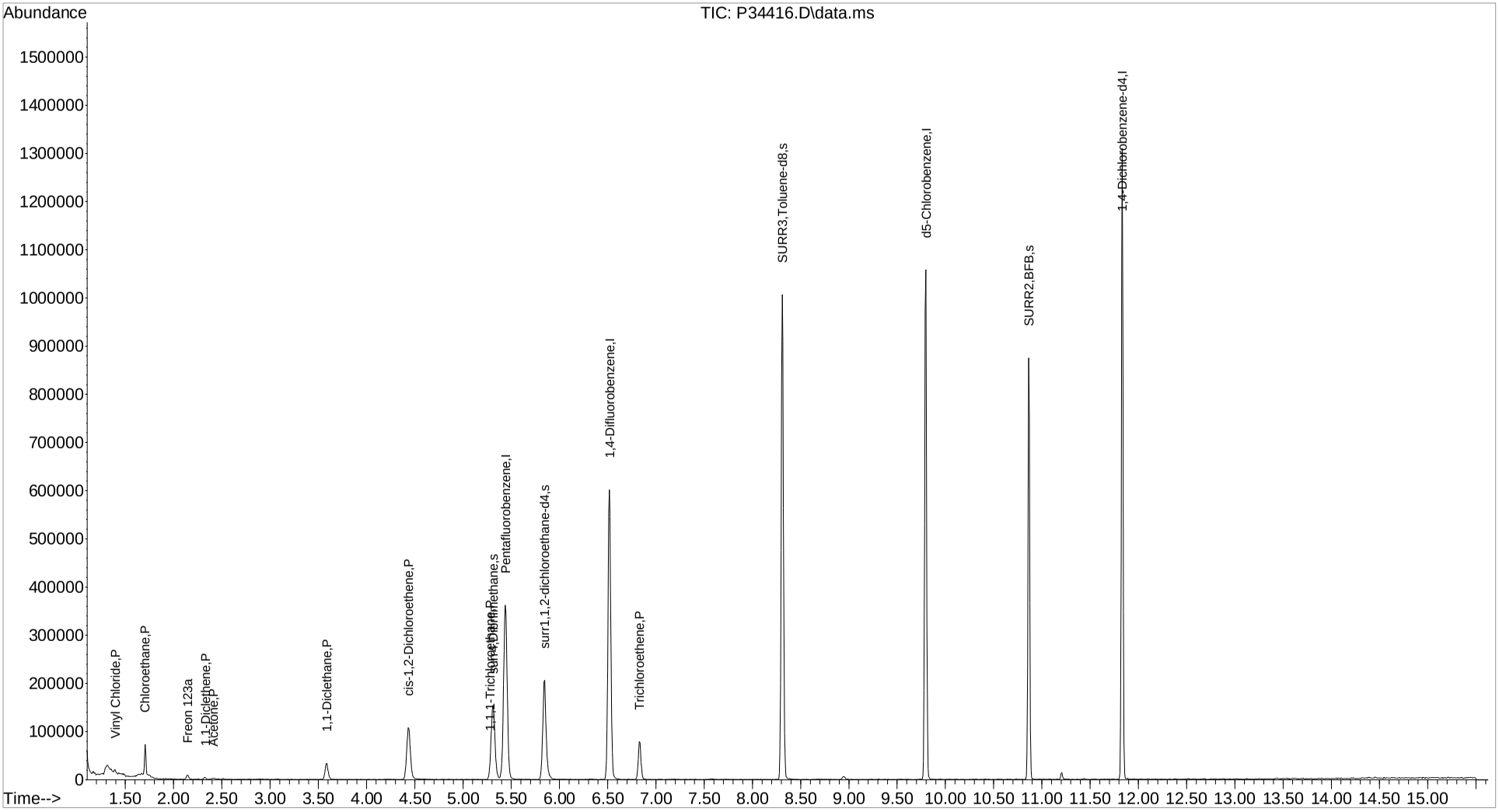
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.438	168	367634	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	556179	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	486444	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	264071	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	132580	45.13	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.26%				
48) surr1,1,2-dichloroetha...	5.846	65	171238	48.06	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.12%				
65) SURR3,Toluene-d8	8.309	98	636767	46.43	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 92.86%				
70) SURR2,BFB	10.864	95	233425	44.08	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 88.16%				
Target Compounds							Qvalue
4) Vinyl Chloride	1.396	62	3214	0.69	ppb	#	1
6) Chloroethane	1.707	64	35150m	12.11	ppb		
10) Freon 123a	2.146	67	4238	1.26	ppb		79
13) 1,1-Diclethene	2.329	96	753	0.26	ppb	#	77
15) Acetone	2.408	43	5108	3.30	ppb		82
28) 1,1-Diclethane	3.591	63	37701	6.85	ppb		95
34) cis-1,2-Dichloroethene	4.432	96	68419	18.53	ppb		95
41) 1,1,1-Trichloroethane	5.279	97	3753	0.86	ppb		76
54) Trichloroethene	6.828	130	28887	8.26	ppb		95

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

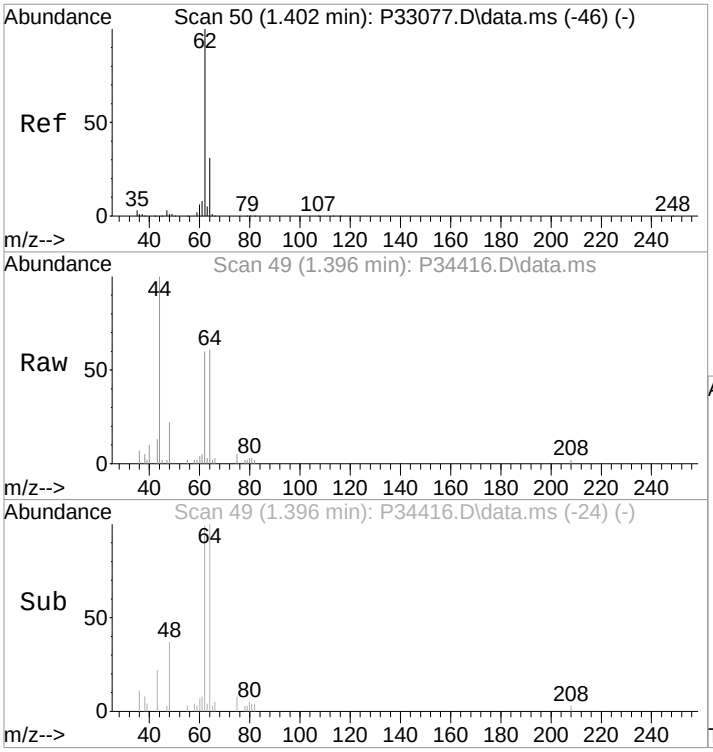
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34416.D
Acq On : 27 Mar 2020 9:58 pm
Operator : K.Ruest
Sample : R2002580-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 31 16:47:36 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



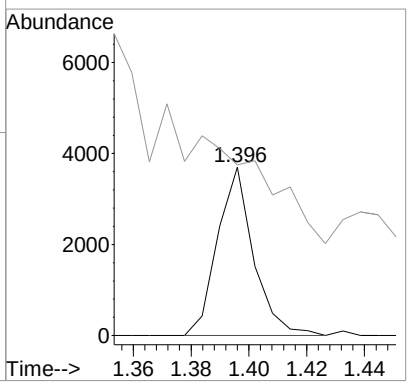
1st 03/31/20
2nd 04/02/20

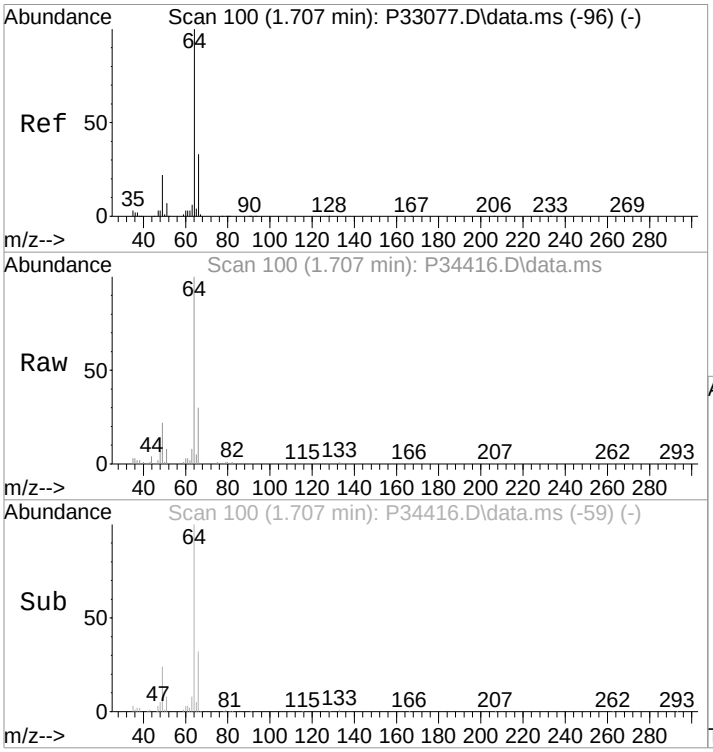


#4
Vinyl Chloride
Concen: 0.69 ppb
RT: 1.396 min Scan# 49
Delta R.T. 0.006 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion: 62 Resp: 3214

Ion	Ratio	Lower	Upper
62	100		
64	101.3	10.8	50.8#

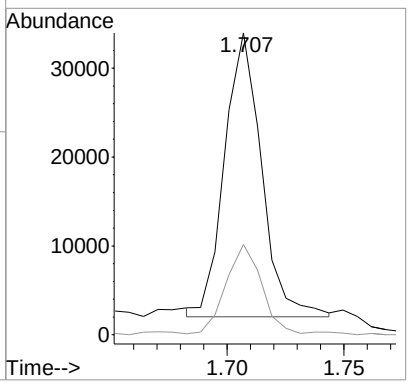


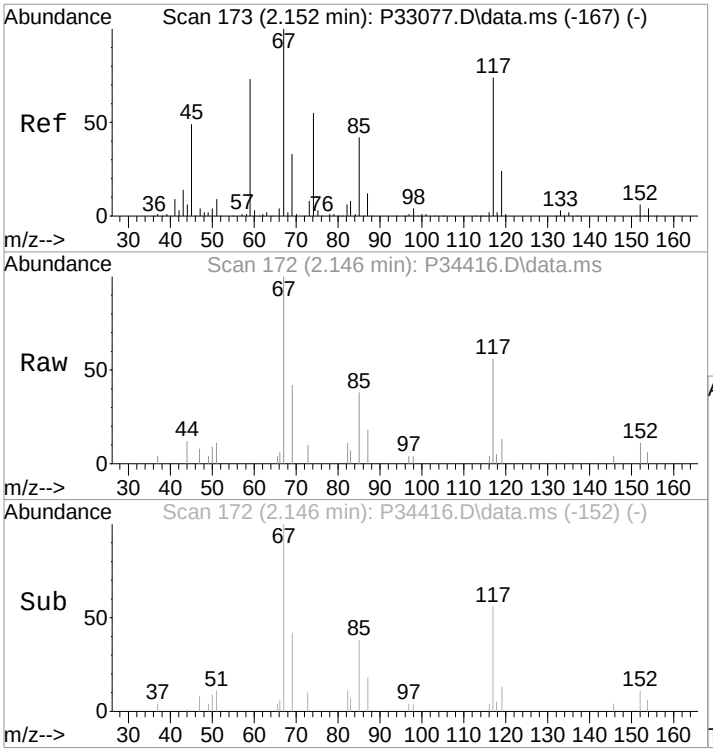


#6
Chloroethane
Concen: 12.11 ppb m
RT: 1.707 min Scan# 100
Delta R.T. 0.006 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion: 64 Resp: 35150

Ion	Ratio	Lower	Upper
64	100		
66	29.9	12.8	52.8

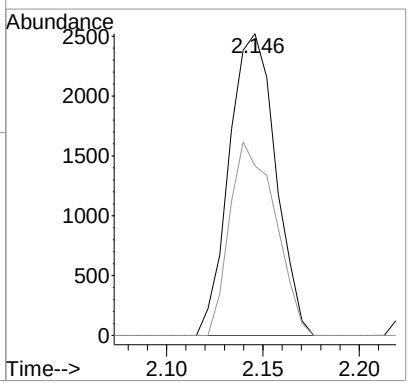


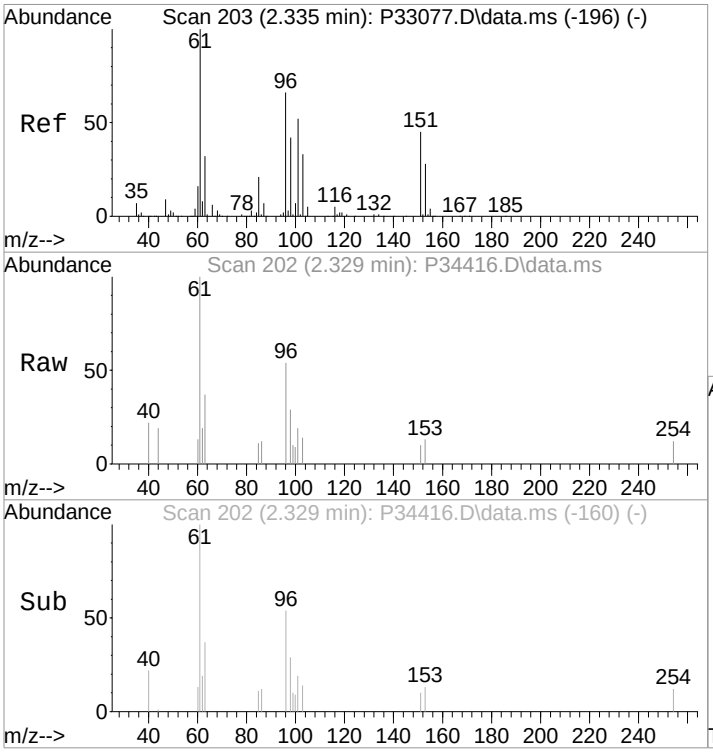


#10
Freon 123a
Concen: 1.26 ppb
RT: 2.146 min Scan# 172
Delta R.T. 0.006 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion: 67 Resp: 4238

Ion	Ratio	Lower	Upper
67	100		
117	56.2	53.9	93.9

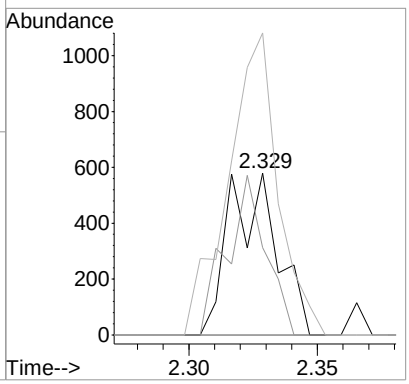


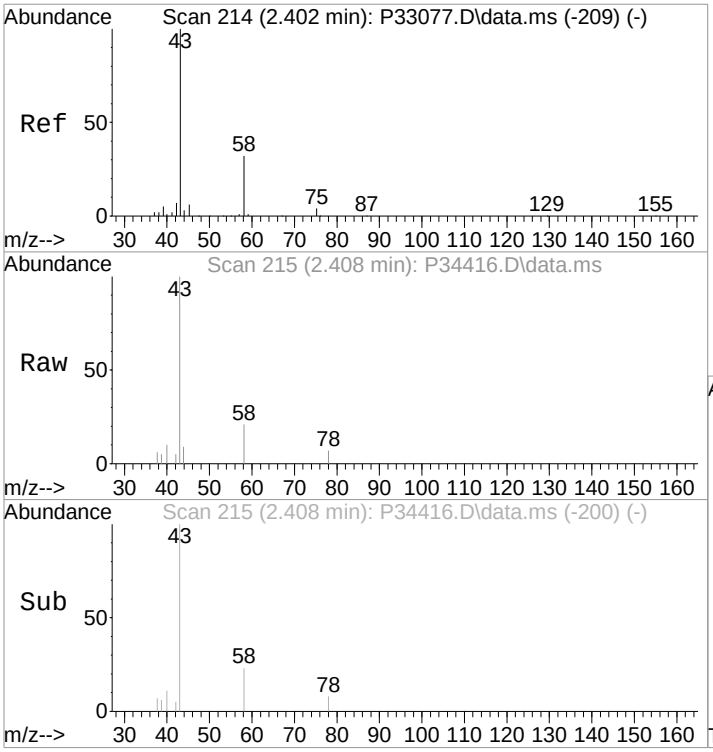


#13
1,1-Diclethene
Concen: 0.26 ppb
RT: 2.329 min Scan# 202
Delta R.T. 0.006 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion: 96 Resp: 753

Ion	Ratio	Lower	Upper
96	100		
98	54.1	43.5	83.5
61	186.9	131.4	171.4#

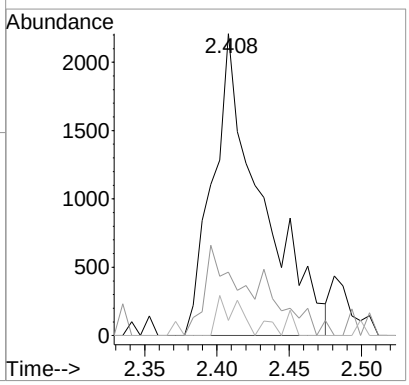


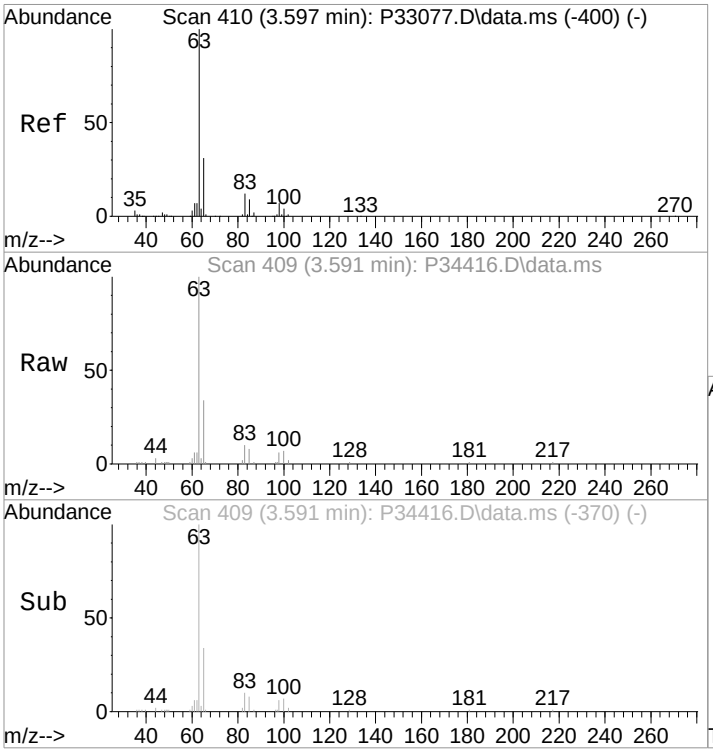


#15
Acetone
Concen: 3.30 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.018 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion: 43 Resp: 5108

Ion	Ratio	Lower	Upper
43	100		
58	21.0	12.3	52.3
42	5.0	0.0	27.0

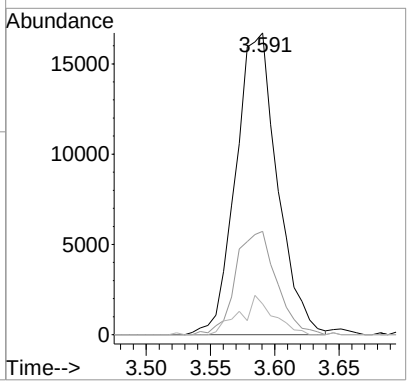


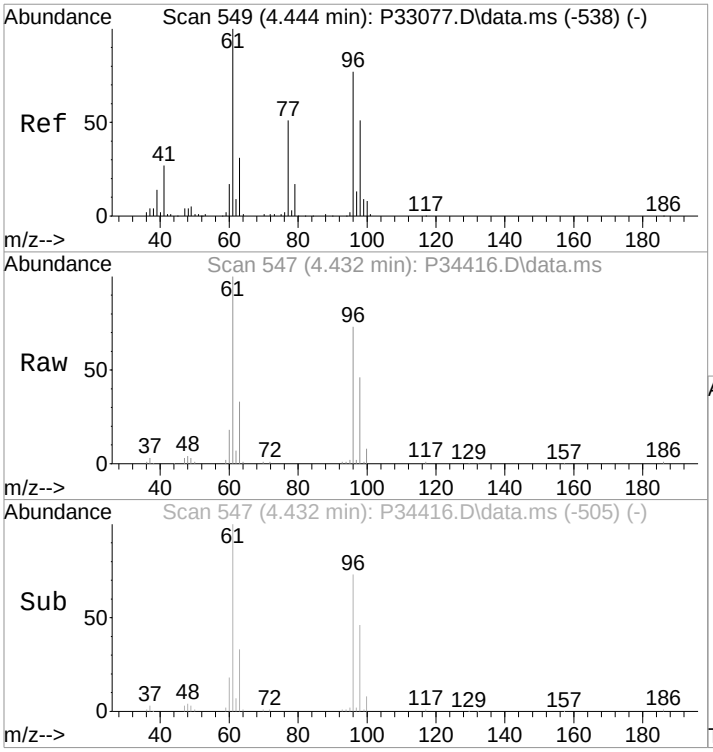


#28
1,1-Diclethane
Concen: 6.85 ppb
RT: 3.591 min Scan# 409
Delta R.T. 0.012 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion: 63 Resp: 37701

Ion	Ratio	Lower	Upper
63	100		
65	34.2	11.4	51.4
83	10.2	0.0	32.4

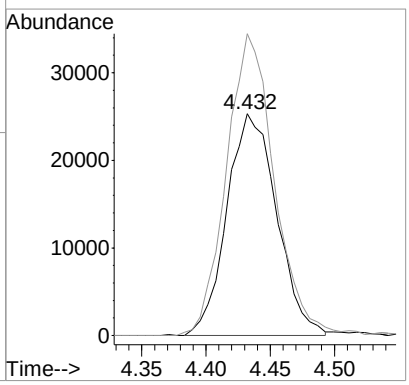


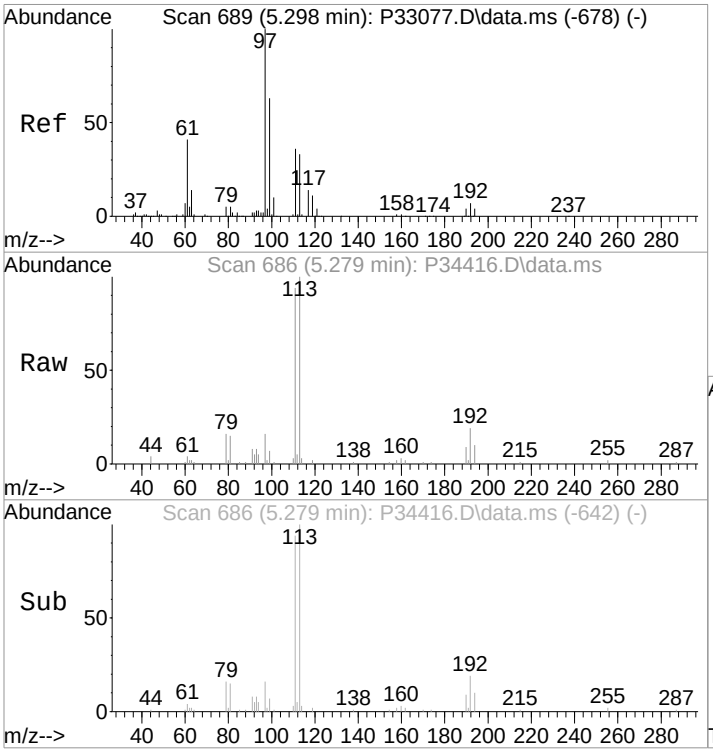


#34
cis-1,2-Dichloroethene
Concen: 18.53 ppb
RT: 4.432 min Scan# 547
Delta R.T. -0.000 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion: 96 Resp: 68419

Ion	Ratio	Lower	Upper
96	100		
61	136.1	110.1	150.1

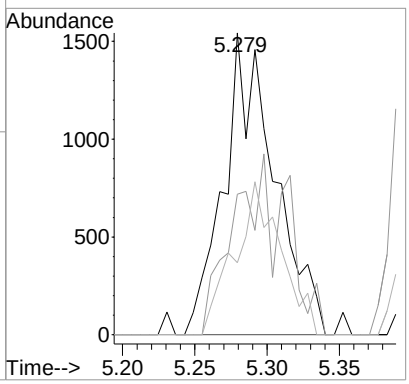


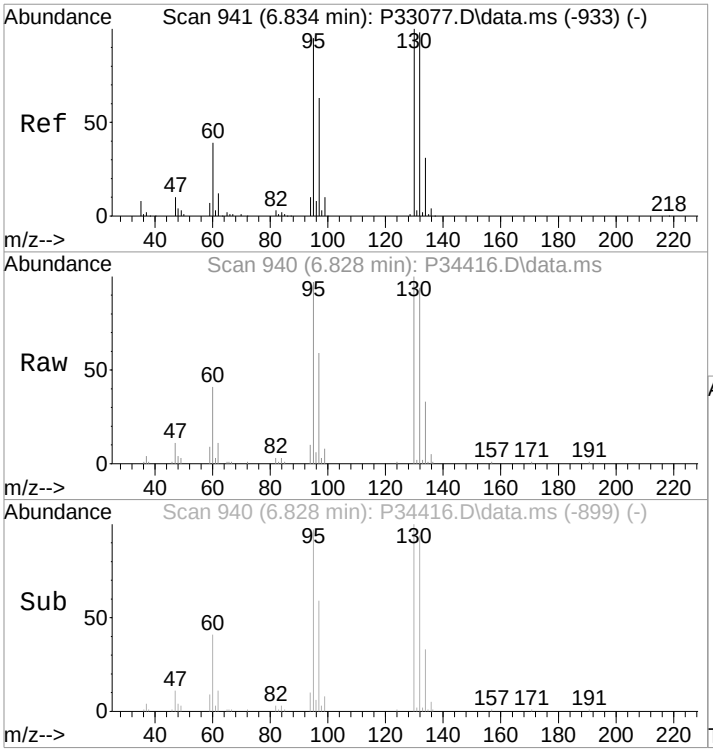


#41
1,1,1-Trichloroethane
Concen: 0.86 ppb
RT: 5.279 min Scan# 686
Delta R.T. -0.012 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion: 97 Resp: 3753

Ion	Ratio	Lower	Upper
97	100		
99	46.6	43.2	83.2
61	23.8	20.9	60.9

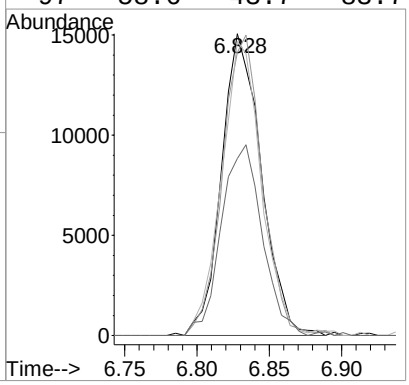




#54
Trichloroethene
Concen: 8.26 ppb
RT: 6.828 min Scan# 940
Delta R.T. -0.000 min
Lab File: P34416.D
Acq: 27 Mar 2020 9:58 pm

Tgt Ion:130 Resp: 28887

Ion	Ratio	Lower	Upper
130	100		
132	93.7	78.5	118.5
95	97.5	74.5	114.5
97	58.6	43.7	83.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34417.D
Acq On : 27 Mar 2020 10:19 pm
Operator : K.Ruest
Sample : R2002580-010|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 31 17:00:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

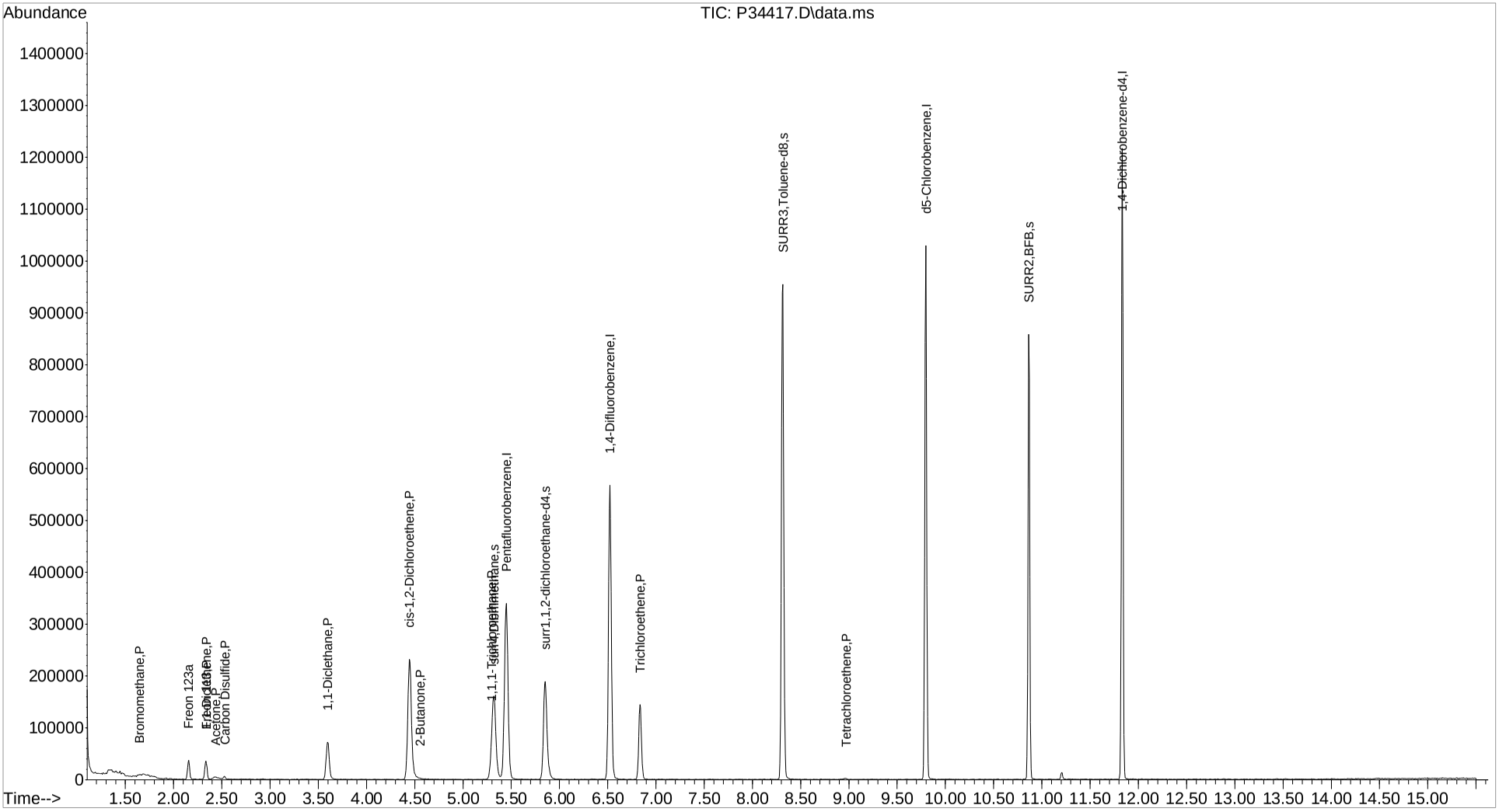
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	337174	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.523	114	521507	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	460373	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	253961	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	128778	46.75	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.50%				
48) surr1,1,2-dichloroetha...	5.852	65	169289	50.68	ppb		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.36%				
65) SURR3,Toluene-d8	8.315	98	629151	48.93	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.86%				
70) SURR2,BFB	10.864	95	230631	46.45	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.90%				
Target Compounds							Qvalue
5) Bromomethane	1.646	94	913	0.28	ppb		87
10) Freon 123a	2.158	67	15049	4.89	ppb		97
13) 1,1-Diclethene	2.335	96	1948	0.74	ppb		94
14) Freon 113	2.335	101	10703	4.32	ppb		99
15) Acetone	2.432	43	11230	7.92	ppb		94
18) Carbon Disulfide	2.530	76	6054	0.75	ppb		98
28) 1,1-Diclethane	3.597	63	85337	16.90	ppb		98
34) cis-1,2-Dichloroethene	4.444	96	150099	44.33	ppb		92
35) 2-Butanone	4.554	43	3435	1.65	ppb		78
41) 1,1,1-Trichloroethane	5.298	97	26423	6.60	ppb		96
54) Trichloroethene	6.834	130	54736	16.68	ppb		96
72) Tetrachloroethene	8.974	164	587	0.23	ppb	#	74

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

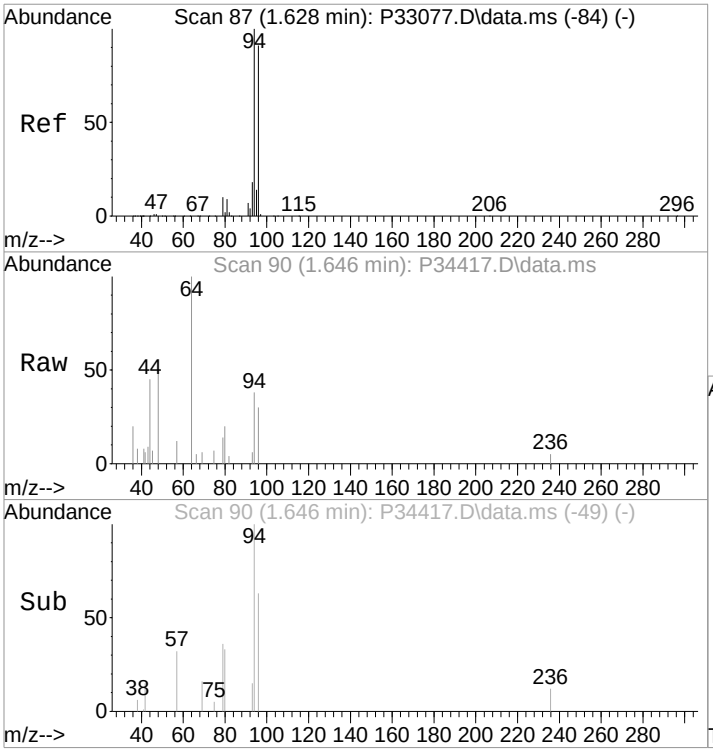
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34417.D
Acq On : 27 Mar 2020 10:19 pm
Operator : K.Ruest
Sample : R2002580-010|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 31 17:00:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



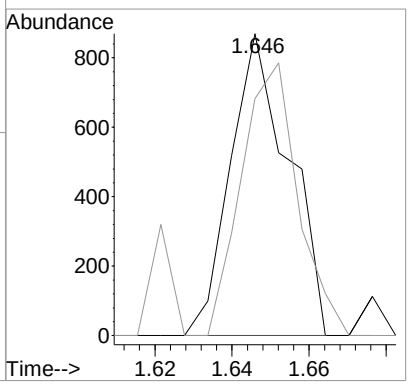
1st 03/31/20
2nd 04/02/20

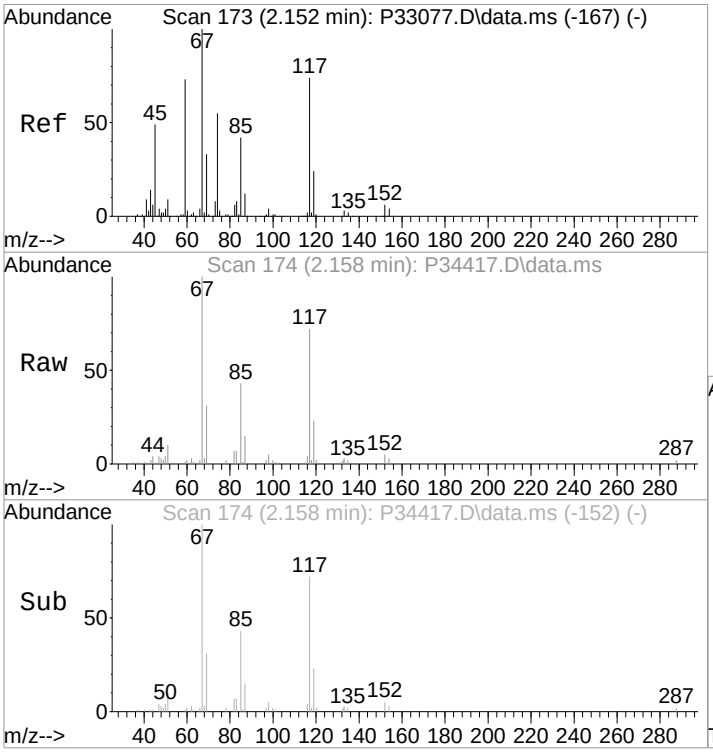


#5
Bromomethane
Concen: 0.28 ppb
RT: 1.646 min Scan# 90
Delta R.T. 0.024 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 94 Resp: 913

Ion	Ratio	Lower	Upper
94	100		
96	78.4	71.1	111.1

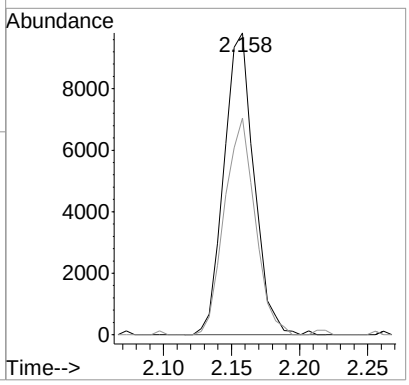


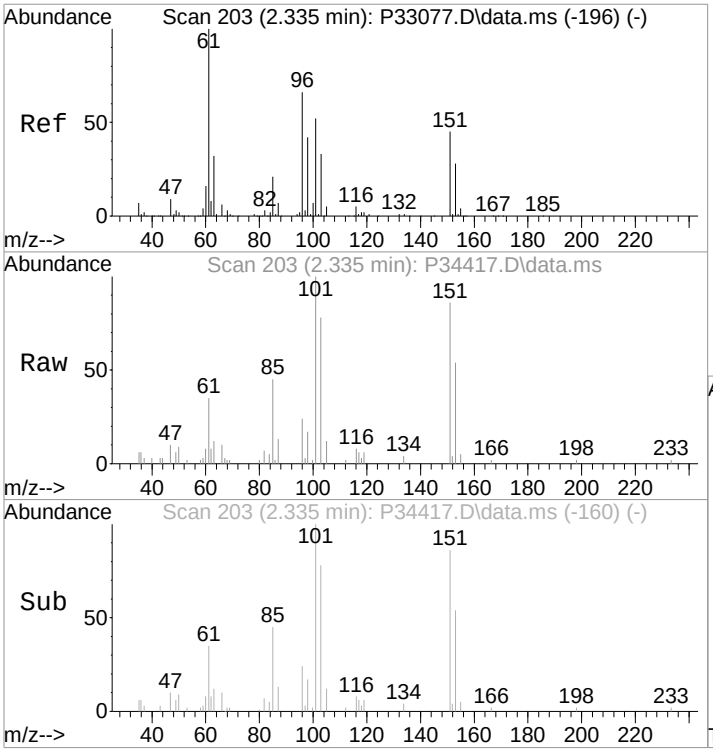


#10
Freon 123a
Concen: 4.89 ppb
RT: 2.158 min Scan# 174
Delta R.T. 0.018 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 67 Resp: 15049

Ion	Ratio	Lower	Upper
67	100		
117	71.7	53.9	93.9

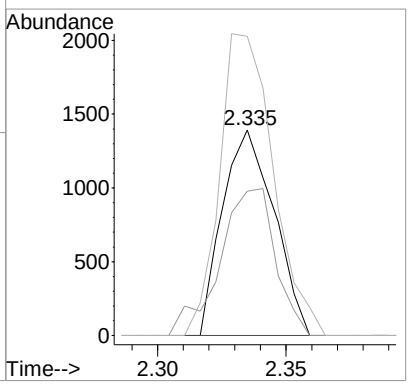


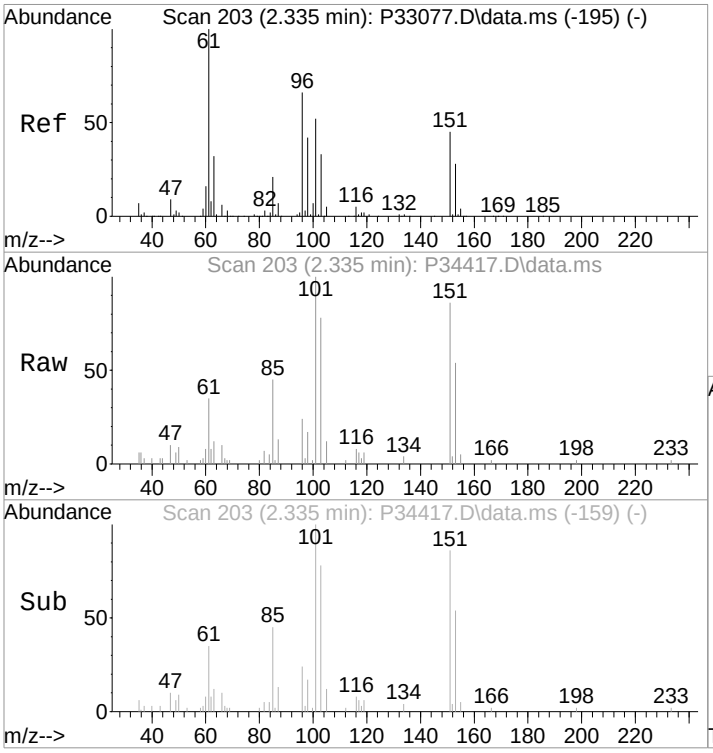


#13
1,1-Diclethene
Concen: 0.74 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 96 Resp: 1948

Ion	Ratio	Lower	Upper
96	100		
98	70.3	43.5	83.5
61	145.7	131.4	171.4

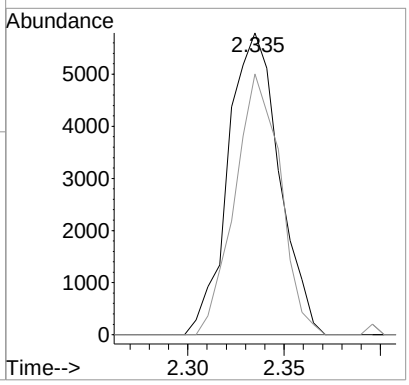


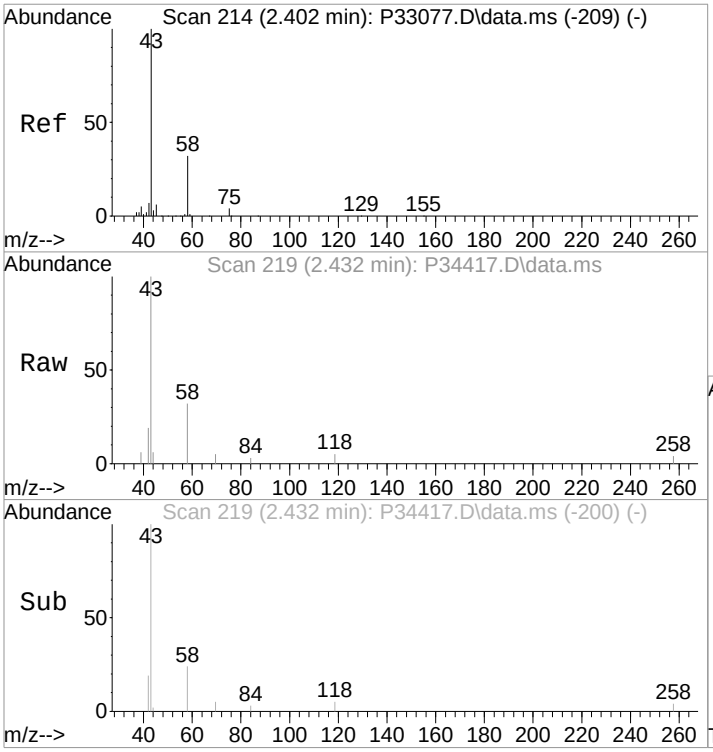


#14
Freon 113
Concen: 4.32 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion:101 Resp: 10703

Ion	Ratio	Lower	Upper
101	100		
151	86.4	65.2	105.2

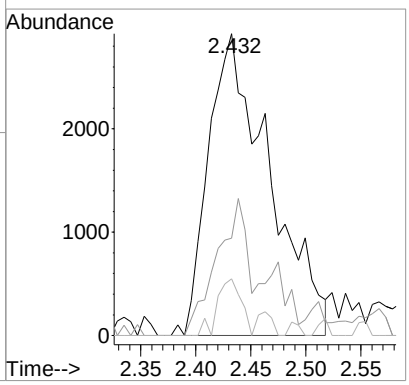


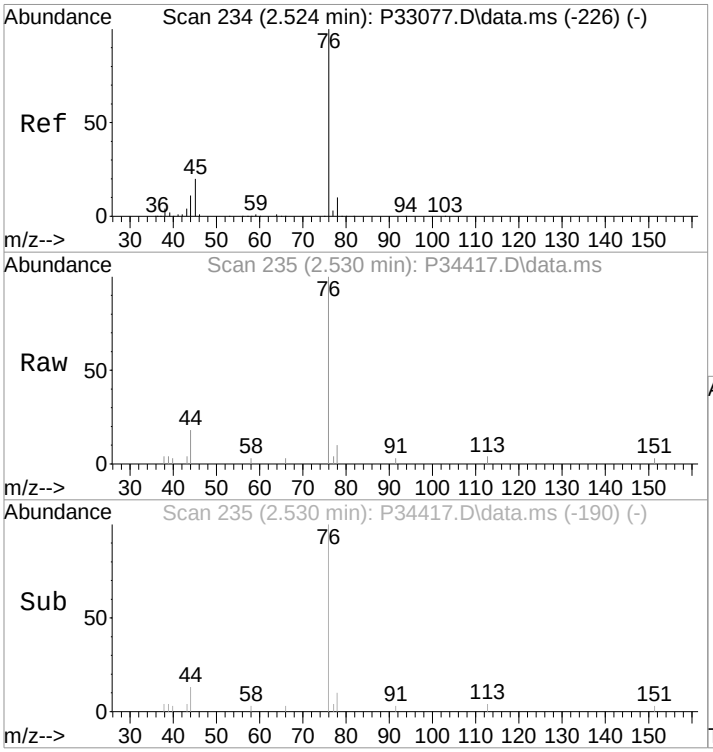


#15
Acetone
Concen: 7.92 ppb
RT: 2.432 min Scan# 219
Delta R.T. 0.043 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 43 Resp: 11230

Ion	Ratio	Lower	Upper
43	100		
58	32.2	12.3	52.3
42	18.8	0.0	27.0

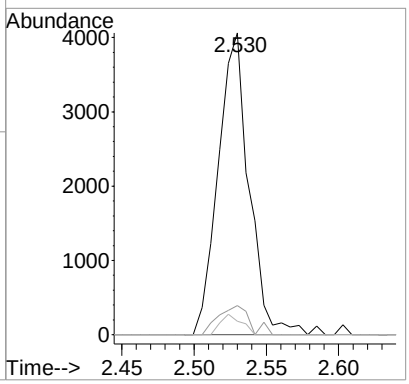


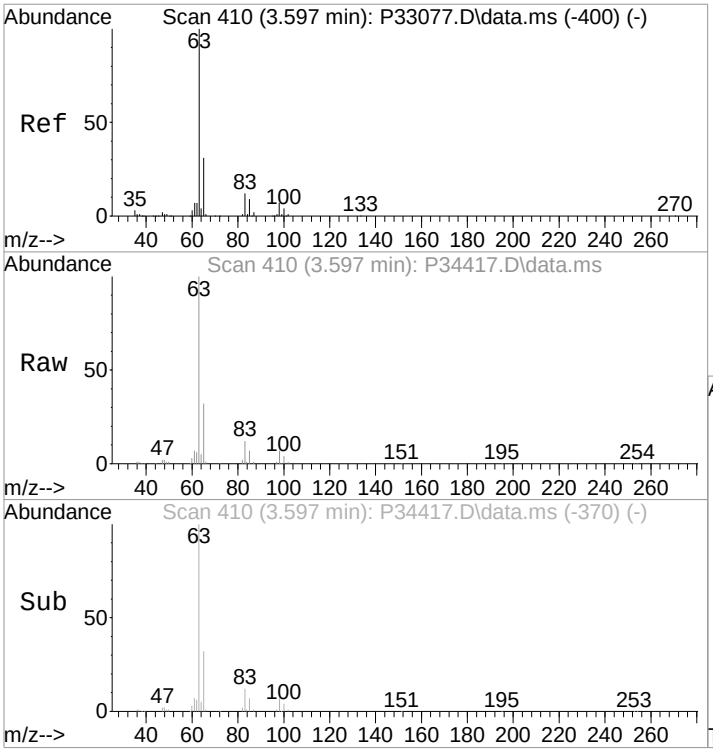


#18
Carbon Disulfide
Concen: 0.75 ppb
RT: 2.530 min Scan# 235
Delta R.T. 0.018 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 76 Resp: 6054

Ion	Ratio	Lower	Upper
76	100		
78	9.6	0.0	29.9
77	4.4	0.0	22.7

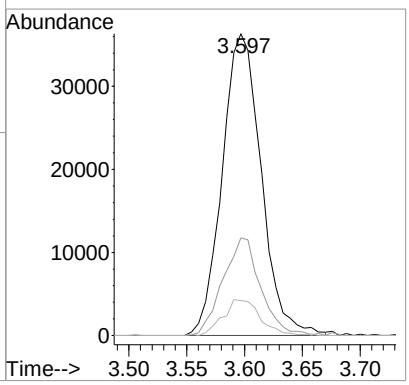


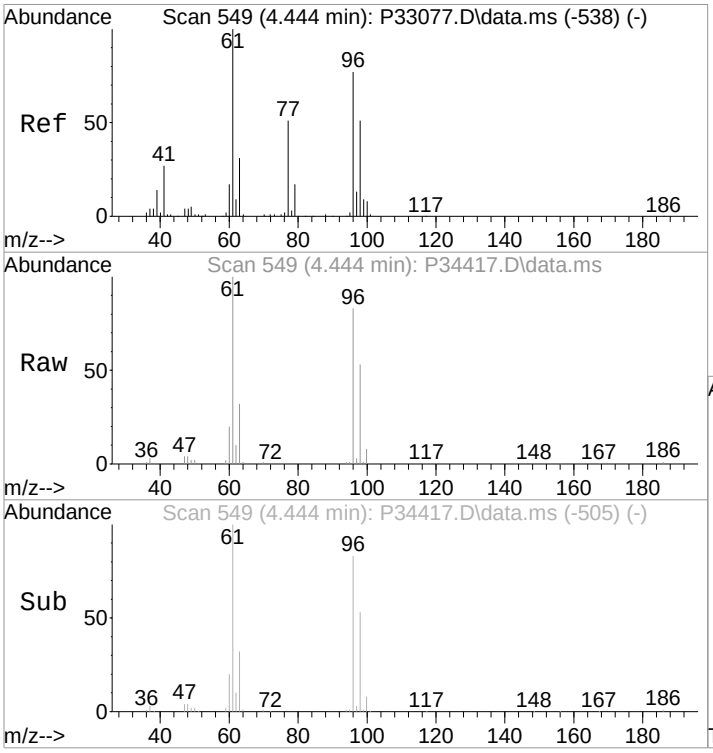


#28
1,1-Diclethane
Concen: 16.90 ppb
RT: 3.597 min Scan# 410
Delta R.T. 0.018 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 63 Resp: 85337

Ion	Ratio	Lower	Upper
63	100		
65	32.4	11.4	51.4
83	11.6	0.0	32.4

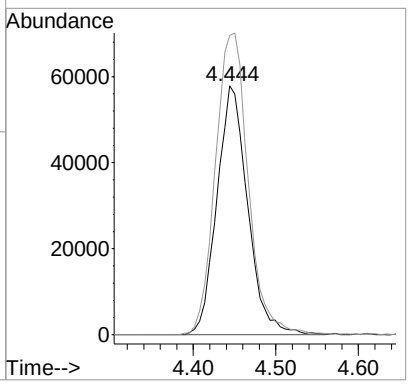


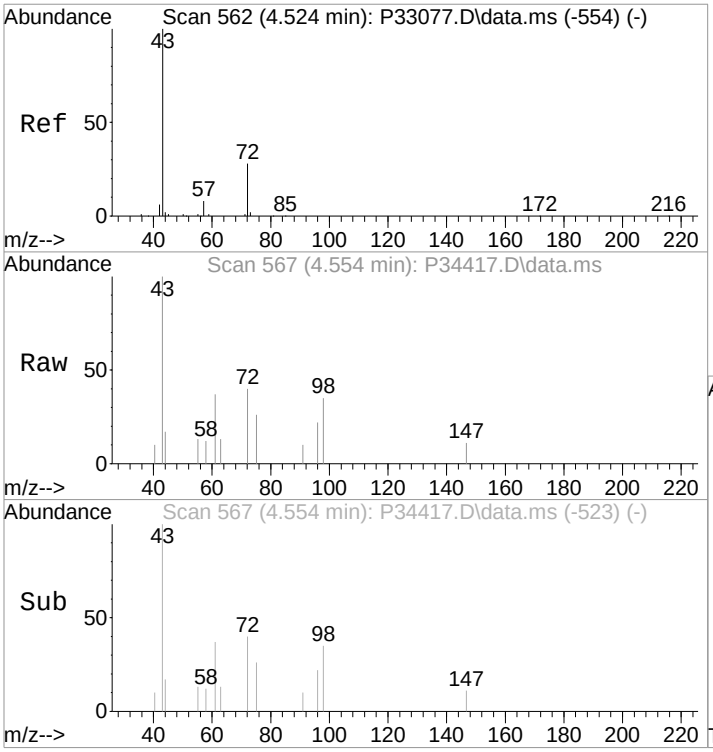


#34
cis-1,2-Dichloroethene
Concen: 44.33 ppb
RT: 4.444 min Scan# 549
Delta R.T. 0.012 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 96 Resp: 150099

Ion	Ratio	Lower	Upper
96	100		
61	120.2	110.1	150.1

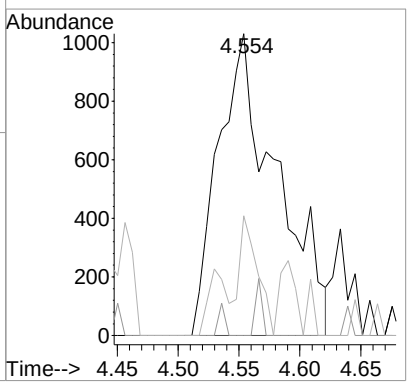


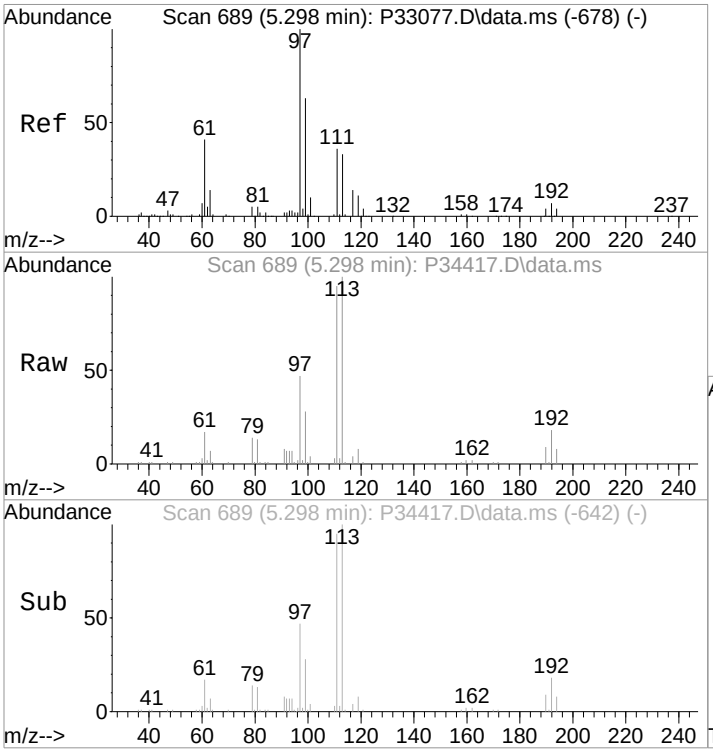


#35
2-Butanone
Concen: 1.65 ppb
RT: 4.554 min Scan# 567
Delta R.T. 0.043 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 43 Resp: 3435

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	28.2
72	39.7	8.0	48.0

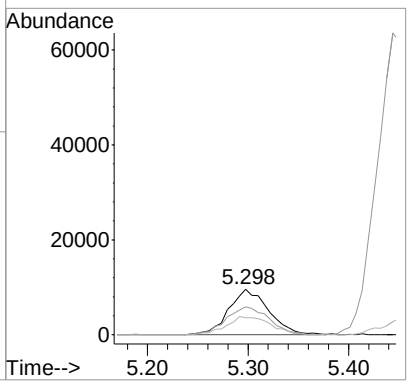


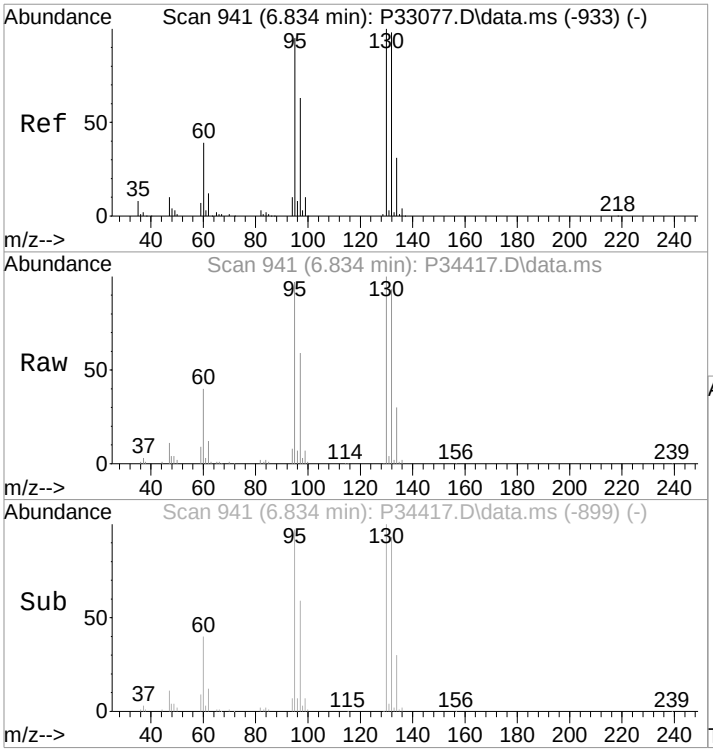


#41
1,1,1-Trichloroethane
Concen: 6.60 ppb
RT: 5.298 min Scan# 689
Delta R.T. 0.006 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion: 97 Resp: 26423

Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.2	83.2
61	37.3	20.9	60.9

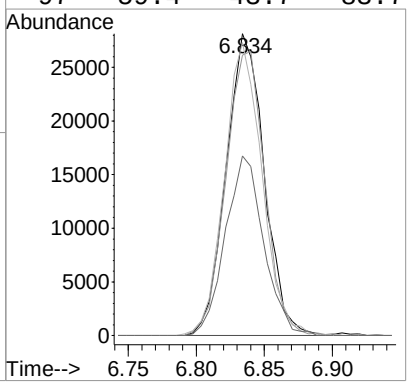


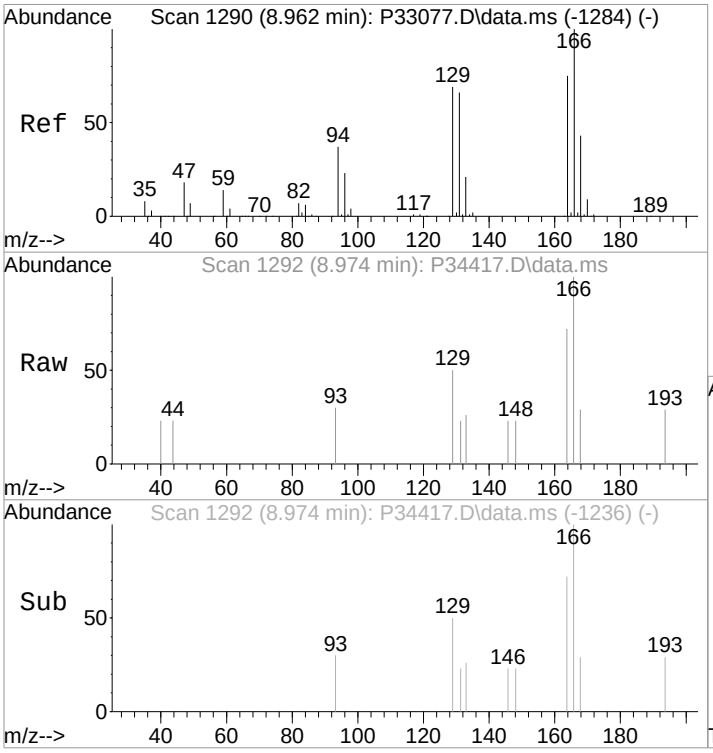


#54
Trichloroethene
Concen: 16.68 ppb
RT: 6.834 min Scan# 941
Delta R.T. 0.006 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion:130 Resp: 54736

Ion	Ratio	Lower	Upper
130	100		
132	92.9	78.5	118.5
95	96.9	74.5	114.5
97	59.4	43.7	83.7

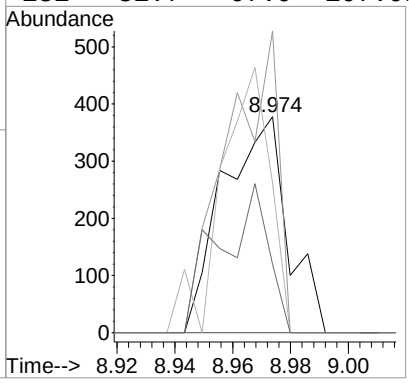




#72
Tetrachloroethene
Concen: 0.23 ppb
RT: 8.974 min Scan# 1292
Delta R.T. 0.012 min
Lab File: P34417.D
Acq: 27 Mar 2020 10:19 pm

Tgt Ion:164 Resp: 587

Ion	Ratio	Lower	Upper
164	100		
166	139.7	113.7	153.7
129	69.3	72.2	112.2#
131	31.7	67.9	107.9#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34396.D
Acq On : 27 Mar 2020 2:12 pm
Operator : K.Ruest
Sample : MBLK-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 14:53:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

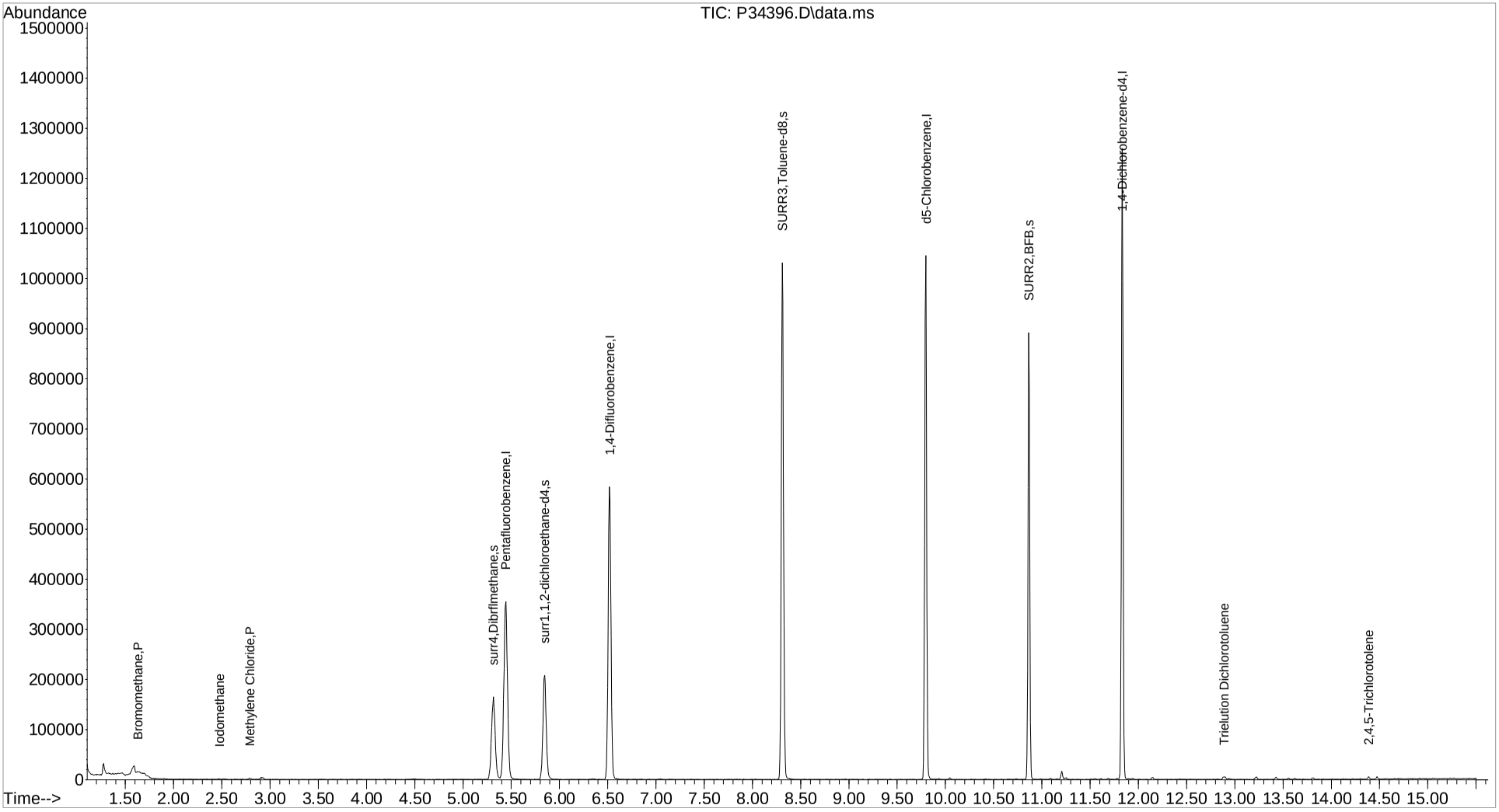
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	355131	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	531224	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	477915	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	254827	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	135928	48.45	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.90%				
48) surr1,1,2-dichloroetha...	5.846	65	168968	49.66	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.32%				
65) SURR3,Toluene-d8	8.309	98	649611	49.59	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.18%				
70) SURR2,BFB	10.864	95	239980	47.45	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.90%				
Target Compounds							Qvalue
5) Bromomethane	1.628	94	1533	0.44	ppb	#	72
17) Iodomethane	2.475	142	1122	2.21	ppb		95
22) Methylene Chloride	2.786	84	952	0.27	ppb	#	54
112) Trielution Dichlorotol...	12.888	125	2592	0.38	ppb	#	81
119) 2,4,5-Trichlorotolene	14.387	159	930	0.22	ppb	#	72

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

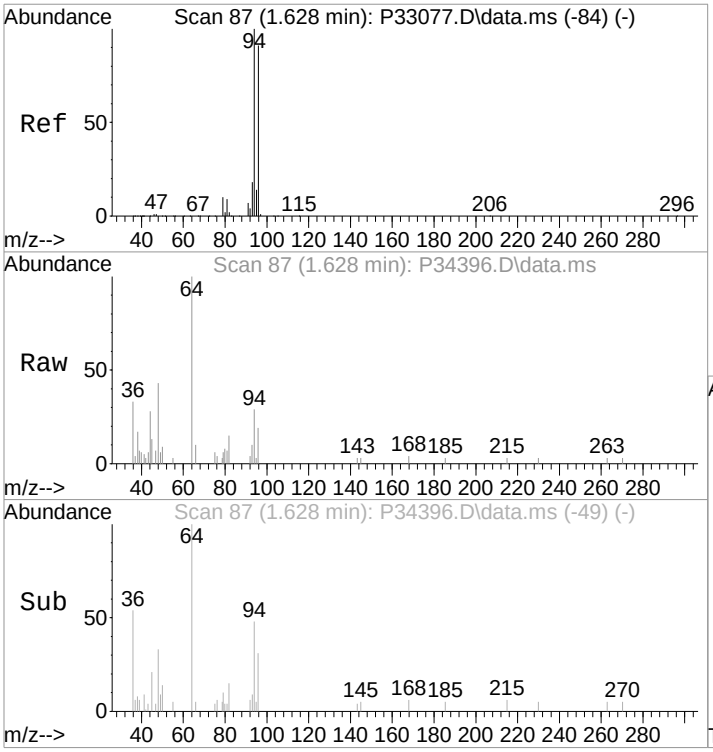
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34396.D
Acq On : 27 Mar 2020 2:12 pm
Operator : K.Ruest
Sample : MBLK-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 14:53:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



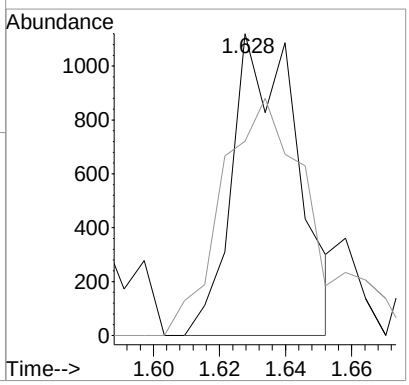
1st 03/27/20
2nd 04/02/20

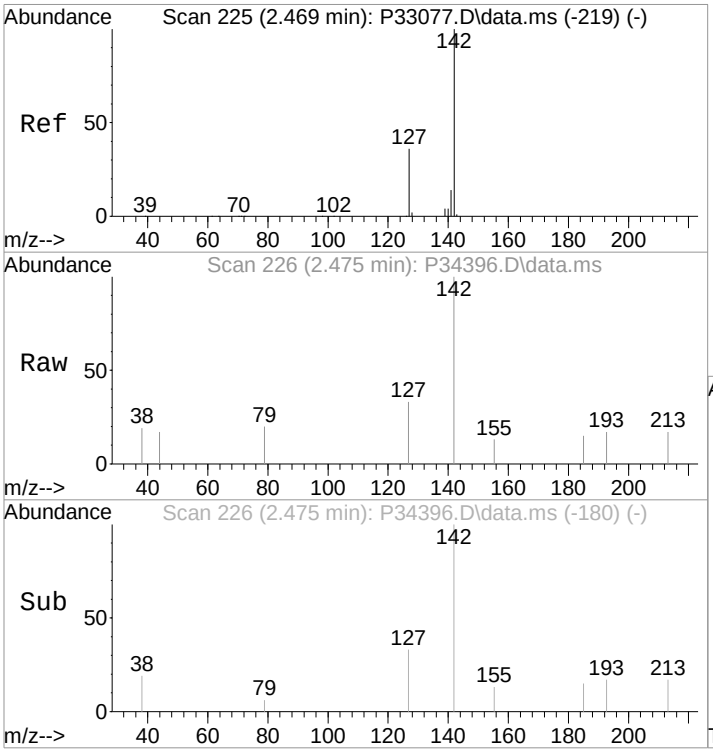


#5
Bromomethane
Concen: 0.44 ppb
RT: 1.628 min Scan# 87
Delta R.T. 0.006 min
Lab File: P34396.D
Acq: 27 Mar 2020 2:12 pm

Tgt Ion: 94 Resp: 1533

Ion	Ratio	Lower	Upper
94	100		
96	64.3	71.1	111.1#

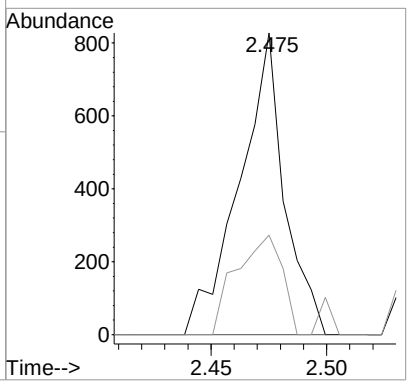


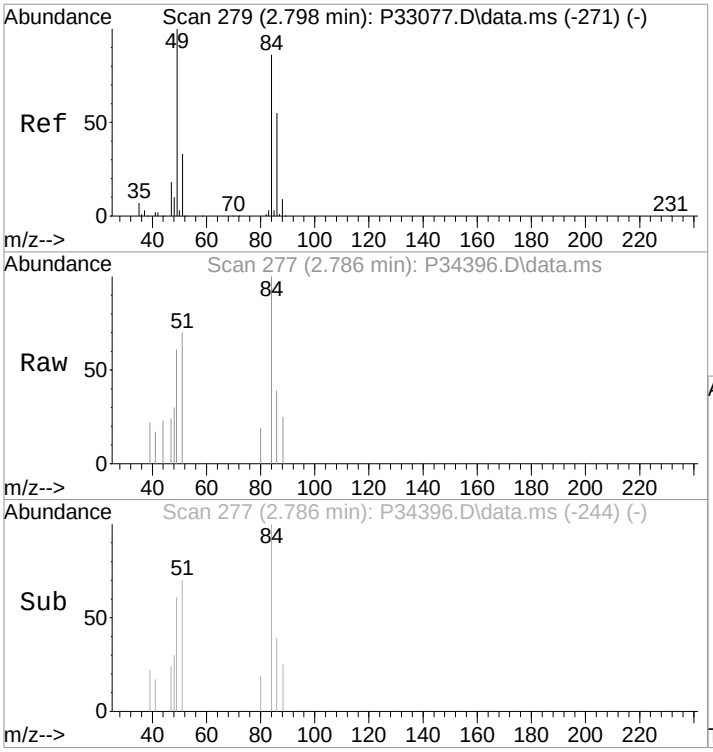


#17
Iodomethane
Concen: 2.21 ppb
RT: 2.475 min Scan# 226
Delta R.T. 0.019 min
Lab File: P34396.D
Acq: 27 Mar 2020 2:12 pm

Tgt Ion:142 Resp: 1122

Ion	Ratio	Lower	Upper
142	100		
127	33.0	15.8	55.8

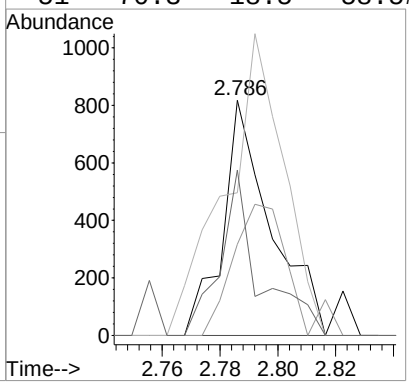


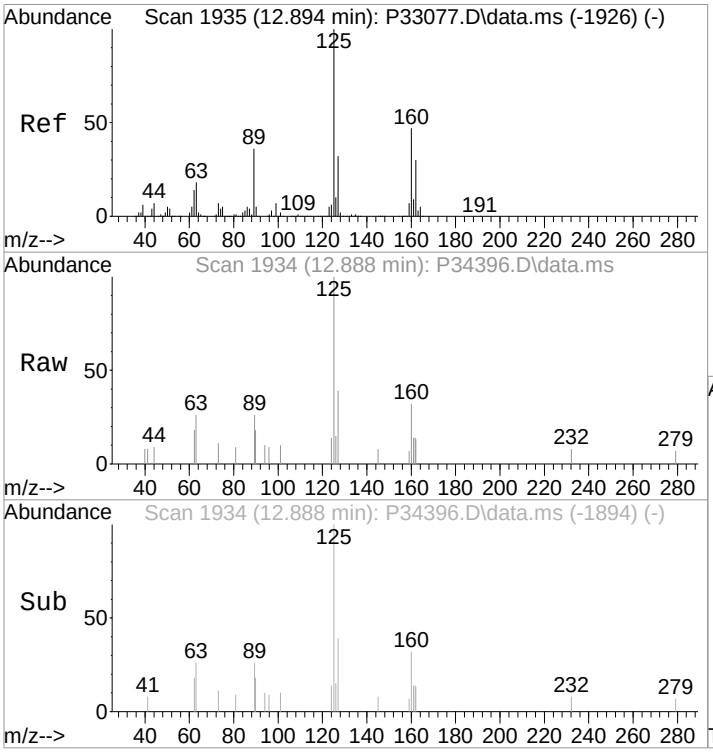


#22
Methylene Chloride
Concen: 0.27 ppb
RT: 2.786 min Scan# 277
Delta R.T. -0.000 min
Lab File: P34396.D
Acq: 27 Mar 2020 2:12 pm

Tgt Ion: 84 Resp: 952

Ion	Ratio	Lower	Upper
84	100		
86	38.8	44.5	84.5#
49	60.6	96.8	136.8#
51	70.3	18.5	58.5#

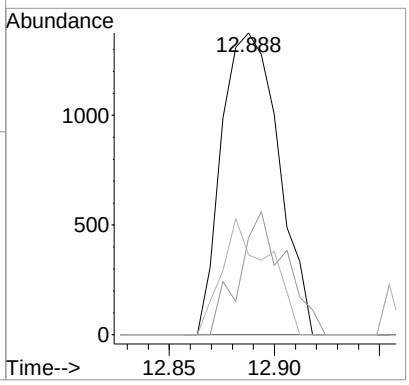


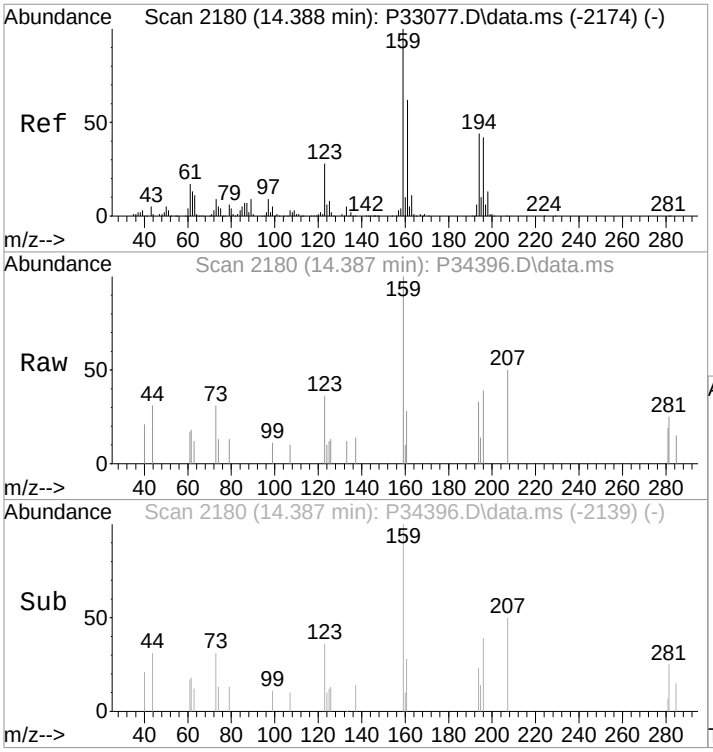


#112
Trielution Dichlorotoluene
Concen: 0.38 ppb
RT: 12.888 min Scan# 1934
Delta R.T. -0.006 min
Lab File: P34396.D
Acq: 27 Mar 2020 2:12 pm

Tgt Ion:125 Resp: 2592

Ion	Ratio	Lower	Upper
125	100		
160	32.2	37.5	56.3#
89	26.4	28.5	42.7#

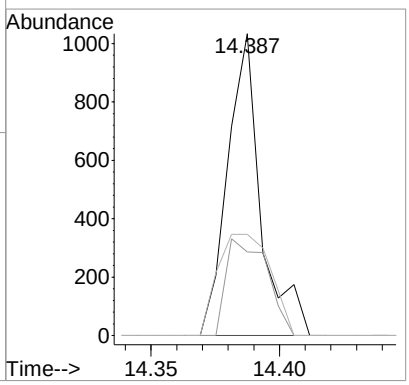




#119
2,4,5-Trichlorotolene
Concen: 0.22 ppb
RT: 14.387 min Scan# 2180
Delta R.T. -0.000 min
Lab File: P34396.D
Acq: 27 Mar 2020 2:12 pm

Tgt Ion:159 Resp: 930

Ion	Ratio	Lower	Upper
159	100		
161	27.7	49.8	74.6#
194	47.6	35.3	52.9

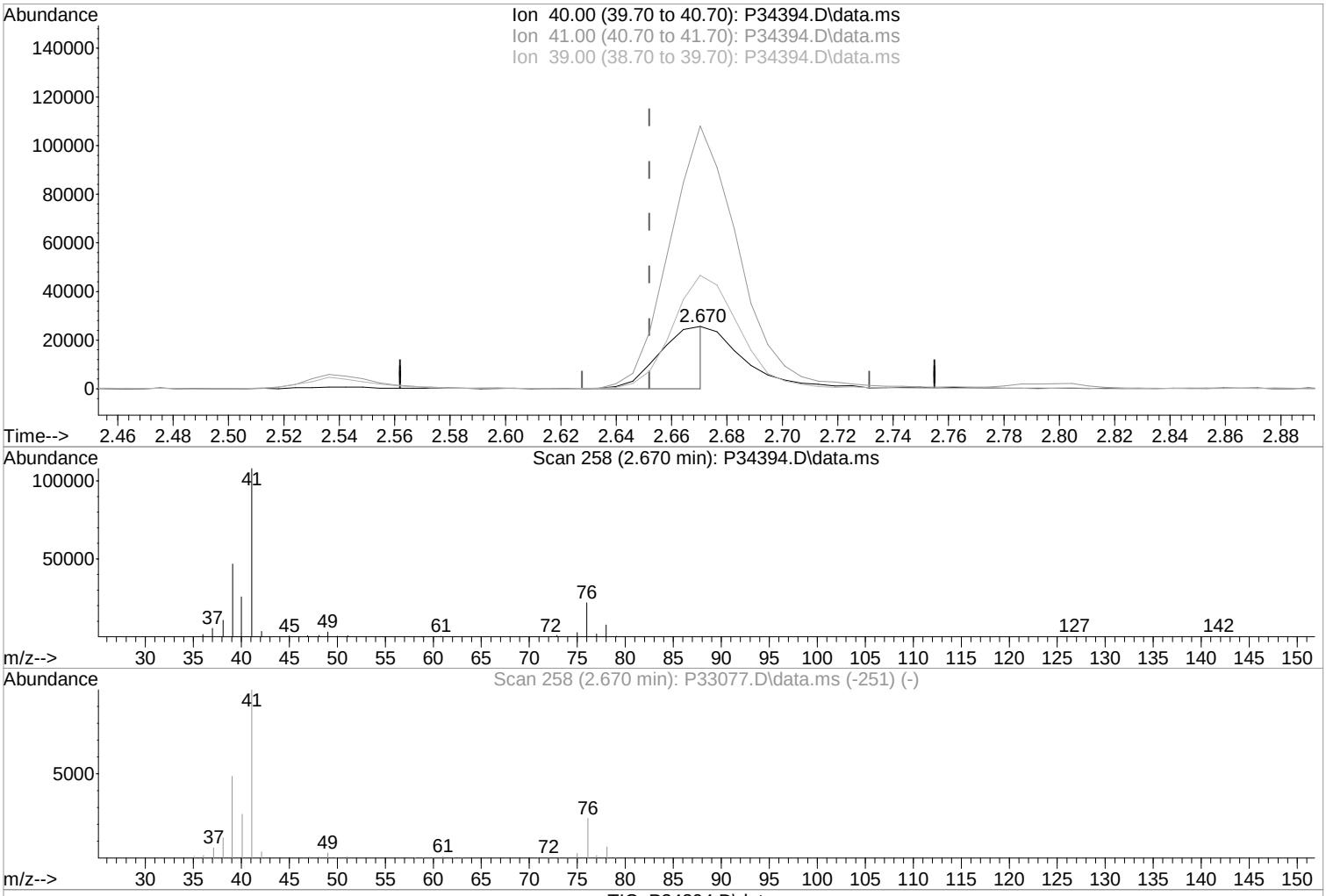


1st 03/27/20
2nd 04/02/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34394.D
Acq On : 27 Mar 2020 1:07 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 13:24:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34394.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 127.16 ppb m

response 30090

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	420.90#
39.00	187.40	181.59
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

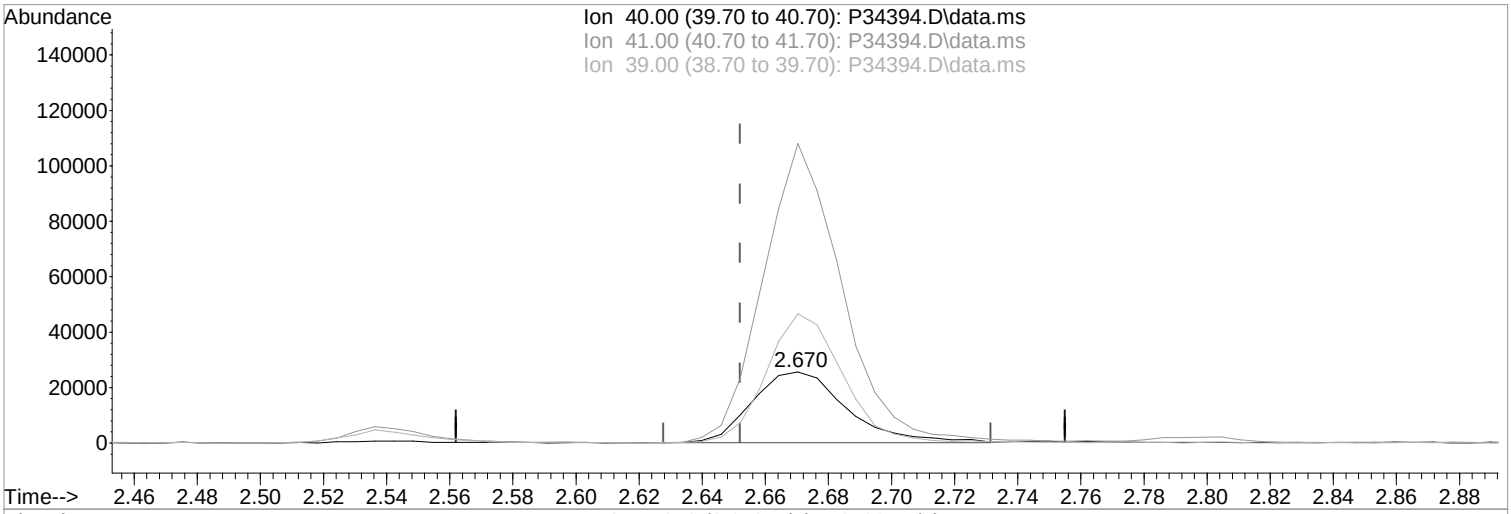
03/27/20

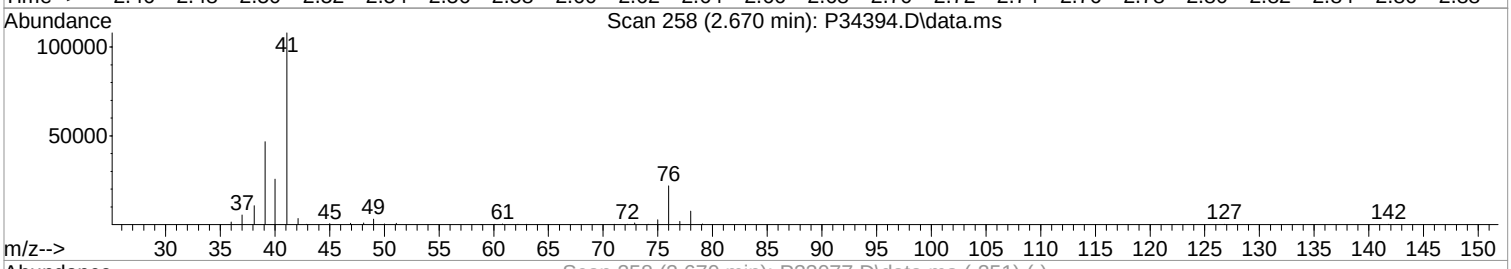
1st 03/27/20
2nd 04/02/20

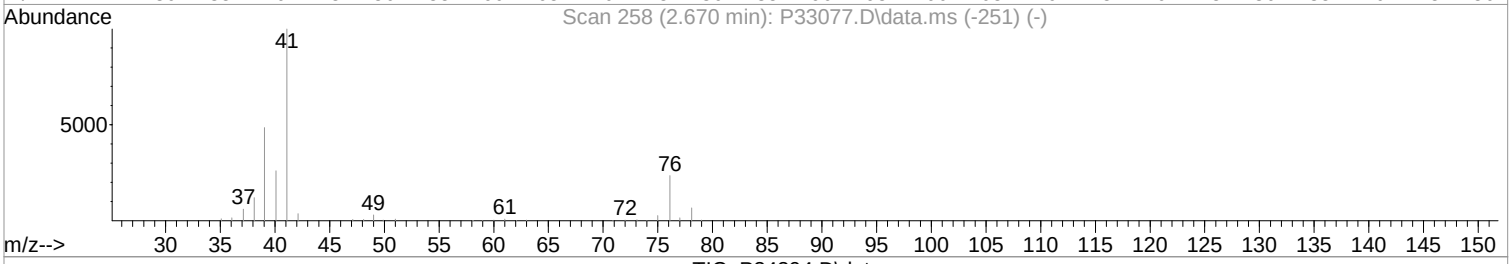
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34394.D
Acq On : 27 Mar 2020 1:07 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 13:24:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34394.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 224.00 ppb

response 53005

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	420.90#
39.00	187.40	181.59
0.00	0.00	0.00

Manual Integration:

Before

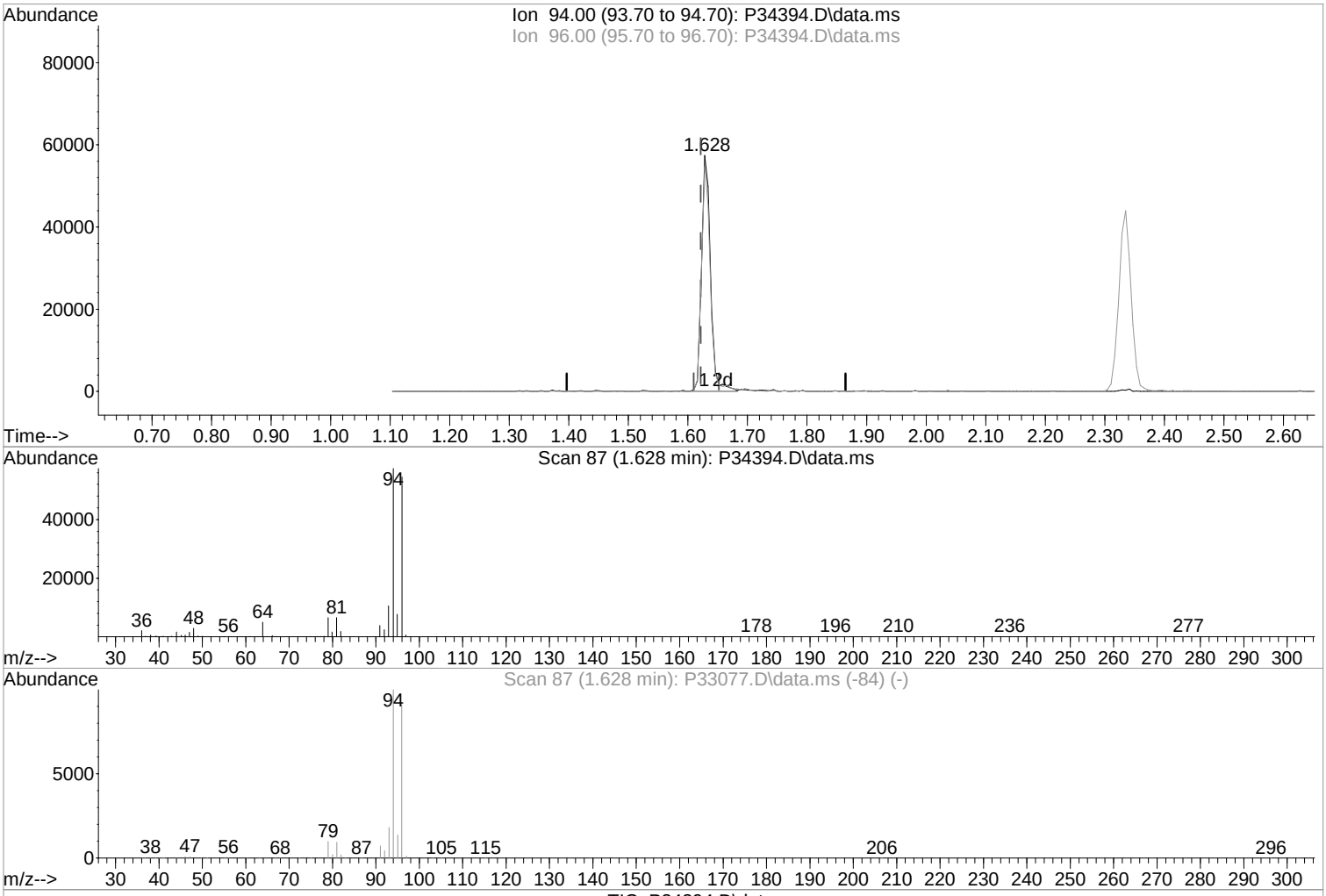
03/27/20

1st 03/27/20
2nd 04/02/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34394.D
Acq On : 27 Mar 2020 1:07 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 13:24:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34394.D\data.ms

(5) Bromomethane (P)

1.628min (+0.006) 18.50 ppb m

response 61111

Ion	Exp%	Act%
94.00	100	100
96.00	91.10	94.99
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

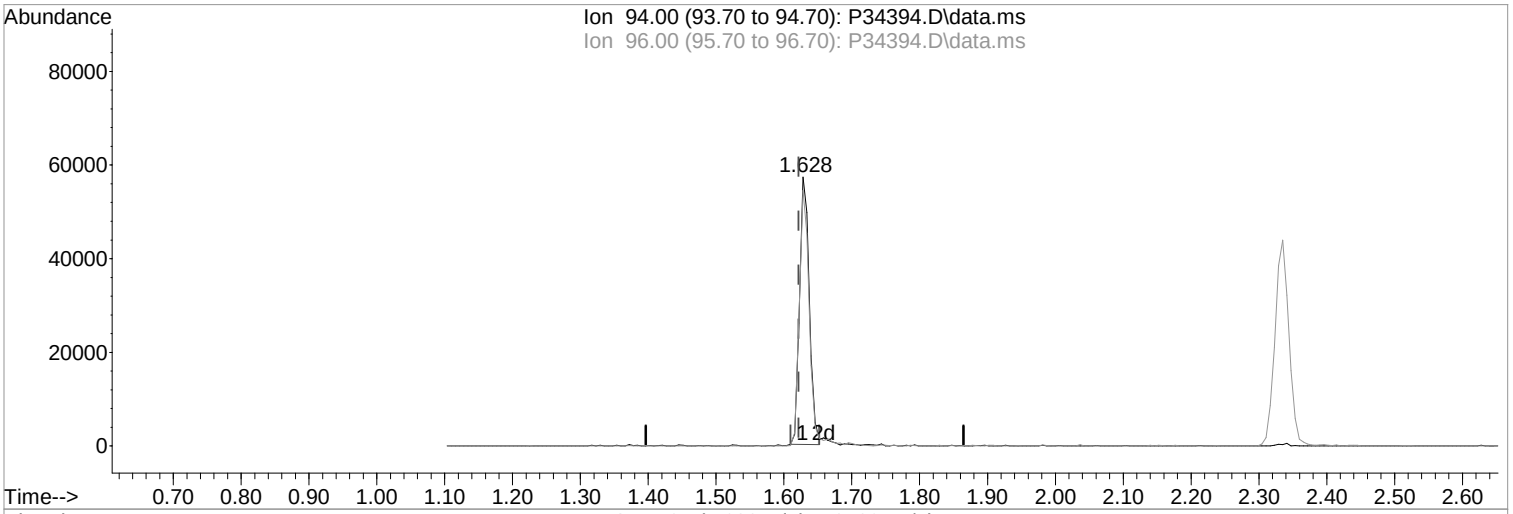
03/27/20

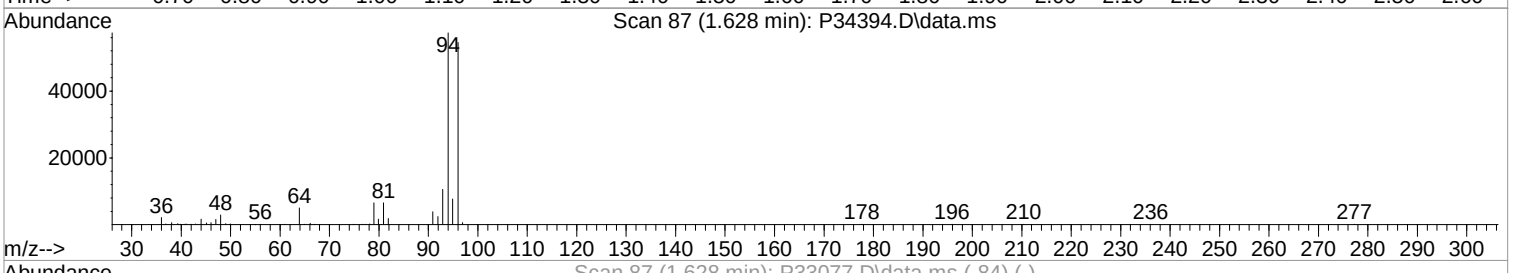
1st 03/27/20
2nd 04/02/20

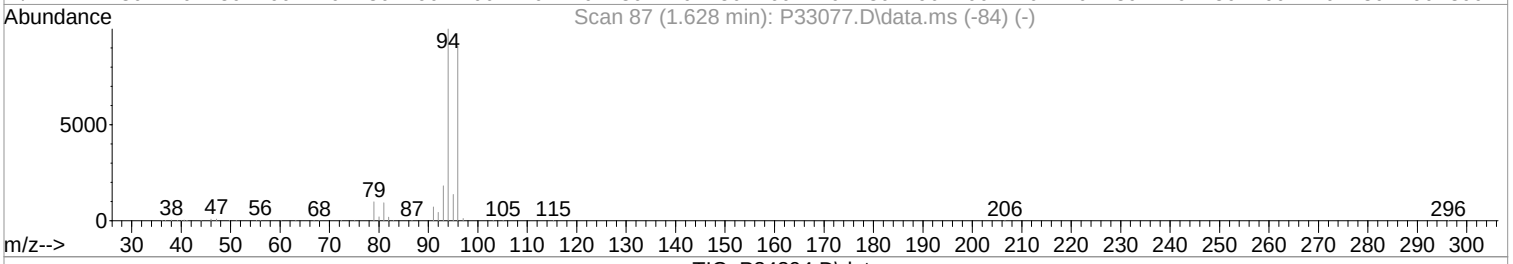
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34394.D
Acq On : 27 Mar 2020 1:07 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 13:24:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34394.D\data.ms

(5) Bromomethane (P)

1.628min (+0.006) 17.65 ppb

response 58308

Ion	Exp%	Act%
94.00	100	100
96.00	91.10	94.99
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/27/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34394.D
Acq On : 27 Mar 2020 1:07 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 13:31:05 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	339741	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.523	114	519248	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	449611	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	249837	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	133137	48.55	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.10%				
48) surr1,1,2-dichloroetha...	5.853	65	160760	48.33	ppb		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.66%				
65) SURR3,Toluene-d8	8.316	98	619303	48.37	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.74%				
70) SURR2,BFB	10.864	95	227542	46.03	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.06%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	88550	23.38	ppb		97
3) Chloromethane	1.329	50	104534	25.22	ppb		99
4) Vinyl Chloride	1.402	62	105537	24.50	ppb		98
5) Bromomethane	1.628	94	61111m	18.50	ppb		
6) Chloroethane	1.707	64	63767	23.77	ppb		96
7) Freon 21	1.866	67	101858	21.17	ppb		98
8) Trichlorofluoromethane	1.902	101	94774	24.78	ppb		98
9) Diethyl Ether	2.146	59	67900	22.77	ppb		98
10) Freon 123a	2.152	67	56949	18.35	ppb		84
11) Freon 123	2.207	83	70318	18.56	ppb		96
12) Acrolein	2.262	56	34874	39.77	ppb		91
13) 1,1-Diclethene	2.335	96	62857	23.71	ppb		99
14) Freon 113	2.335	101	58786	23.56	ppb		95
15) Acetone	2.402	43	33636	23.55	ppb		96
16) 2-Propanol	2.542	45	136588	474.14	ppb		97
17) Iodomethane	2.469	142	56722	15.19	ppb		96
18) Carbon Disulfide	2.524	76	185889	22.96	ppb		96
19) Acetonitrile	2.670	40	30090m	127.16	ppb		
20) Allyl Chloride	2.676	76	37162	24.21	ppb	#	87
21) Methyl Acetate	2.707	43	75953	23.11	ppb		99
22) Methylene Chloride	2.798	84	72432	21.08	ppb		99
23) TBA	2.945	59	225279	480.67	ppb		99
24) Acrylonitrile	3.079	53	202117	115.49	ppb		100
25) Methyl-t-Butyl Ether	3.091	73	233714	22.51	ppb		97
26) trans-1,2-Dichloroethene	3.085	96	65644	22.38	ppb		93
28) 1,1-Diclethane	3.591	63	125542	24.68	ppb		97
29) Vinyl Acetate	3.695	86	18550	25.59	ppb		96
30) DIPE	3.701	45	220494	25.35	ppb		90
31) 2-Chloro-1,3-Butadiene	3.707	53	103931	22.33	ppb		94
32) ETBE	4.231	59	204497	23.19	ppb		98
33) 2,2-Dichloropropane	4.426	77	86290	21.89	ppb		97
34) cis-1,2-Dichloroethene	4.444	96	74771	21.92	ppb		88
35) 2-Butanone	4.530	43	50075	23.88	ppb		98
36) Propionitrile	4.639	54	83969	119.87	ppb		99
37) Bromochloromethane	4.847	130	45260	21.75	ppb		91
38) Methacrylonitrile	4.889	67	41940	21.85	ppb	#	74
39) Tetrahydrofuran	4.963	42	32093	22.11	ppb		89
40) Chloroform	5.030	83	112151	21.56	ppb		100
41) 1,1,1-Trichloroethane	5.304	97	92599	22.94	ppb		98

1st 03/27/20
2nd 04/02/20

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34394.D
Acq On : 27 Mar 2020 1:07 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 13:31:05 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.133	73	196171	21.10	ppb		95
44) Cyclohexane	5.359	41	63991	22.24	ppb		90
46) Carbontetrachloride	5.554	117	63451	21.50	ppb		93
47) 1,1-Dichloropropene	5.584	75	93648	24.17	ppb		97
49) Benzene	5.901	78	296558	23.09	ppb		98
50) 1,2-Dichloroethane	5.968	62	87384	21.10	ppb		98
51) Iso-Butyl Alcohol	5.962	43	99201	565.23	ppb		97
52) n-Heptane	6.353	43	96949	24.12	ppb		97
53) 1-Butanol	6.907	56	158776	1525.04	ppb		100
54) Trichloroethene	6.840	130	71882	22.00	ppb		89
55) Methylcyclohexane	7.048	55	90527	21.36	ppb		94
56) 1,2-Diclpropane	7.127	63	76246	23.49	ppb		99
57) Dibromomethane	7.273	93	42402	22.19	ppb		93
58) 1,4-Dioxane	7.346	88	29813	418.60	ppb		100
59) Methyl Methacrylate	7.352	69	68573	22.67	ppb		97
60) Bromodichloromethane	7.499	83	77836	22.08	ppb		99
61) 2-Nitropropane	7.803	41	17964	47.00	ppb		96
62) 2-Chloroethylvinyl Ether	7.901	63	30046	15.16	ppb		88
63) cis-1,3-Dichloropropene	8.029	75	105008	21.99	ppb		96
64) 4-Methyl-2-pentanone	8.242	43	95249	23.02	ppb		98
66) Toluene	8.389	91	322414	23.09	ppb		96
67) trans-1,3-Dichloropropene	8.669	75	93726	21.70	ppb		97
68) Ethyl Methacrylate	8.797	69	115932	23.41	ppb		97
69) 1,1,2-Trichloroethane	8.858	97	69199	20.86	ppb		90
72) Tetrachloroethene	8.962	164	54526	21.75	ppb		90
73) 2-Hexanone	9.145	43	71776	24.45	ppb		90
74) 1,3-Dichloropropane	9.023	76	124033	22.97	ppb		97
75) Dibromochloromethane	9.248	129	57414	23.37	ppb		90
76) N-Butyl Acetate	9.291	43	136592	25.57	ppb		98
77) 1,2-Dibromoethane	9.340	107	67718	22.16	ppb		96
78) Chlorobenzene	9.821	112	206629	23.52	ppb		99
79) 3-CBTF	9.840	180	101444	20.05	ppb		96
80) 4-CBTF	9.895	180	96614	20.75	ppb		95
81) 1,1,1,2-Tetrachloroethane	9.913	131	61089	23.21	ppb		97
82) Ethylbenzene	9.937	106	111168	22.91	ppb		97
83) (m+p)Xylene	10.047	106	280425	48.54	ppb		96
84) o-Xylene	10.407	106	136822	23.55	ppb		100
85) Styrene	10.419	104	229336	23.02	ppb		97
87) Bromoform	10.583	173	39261	25.11	ppb		95
88) 2-CBTF	10.657	180	102118	20.13	ppb		96
89) Isopropylbenzene	10.736	105	351494	24.20	ppb		98
90) Cyclohexanone	10.821	55	94540	121.08	ppb		95
91) trans-1,4-Dichloro-2-B...	11.059	53	21993	22.53	ppb		85
92) 1,1,2,2-Tetrachloroethane	11.010	83	106518	24.53	ppb		99
93) Bromobenzene	10.986	156	86046	21.99	ppb		96
94) 1,2,3-Trichloropropane	11.041	110	31844	21.92	ppb	#	89
95) n-Propylbenzene	11.089	91	415338	24.11	ppb		99
96) 2-Chlorotoluene	11.156	91	248925	23.43	ppb		98
97) 3-Chlorotoluene	11.211	91	234842	21.17	ppb		99
98) 4-Chlorotoluene	11.248	91	268895	23.09	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	300828	24.60	ppb		97
100) tert-Butylbenzene	11.510	119	259557	23.41	ppb		99
101) 1,2,4-Trimethylbenzene	11.553	105	295916	23.09	ppb		98
102) 3,4-DCBTF	11.614	214	81582	18.77	ppb		99
103) sec-Butylbenzene	11.693	105	383872	24.46	ppb		99
104) p-Isopropyltoluene	11.815	119	320154	23.52	ppb		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34394.D
Acq On : 27 Mar 2020 1:07 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 13:31:05 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

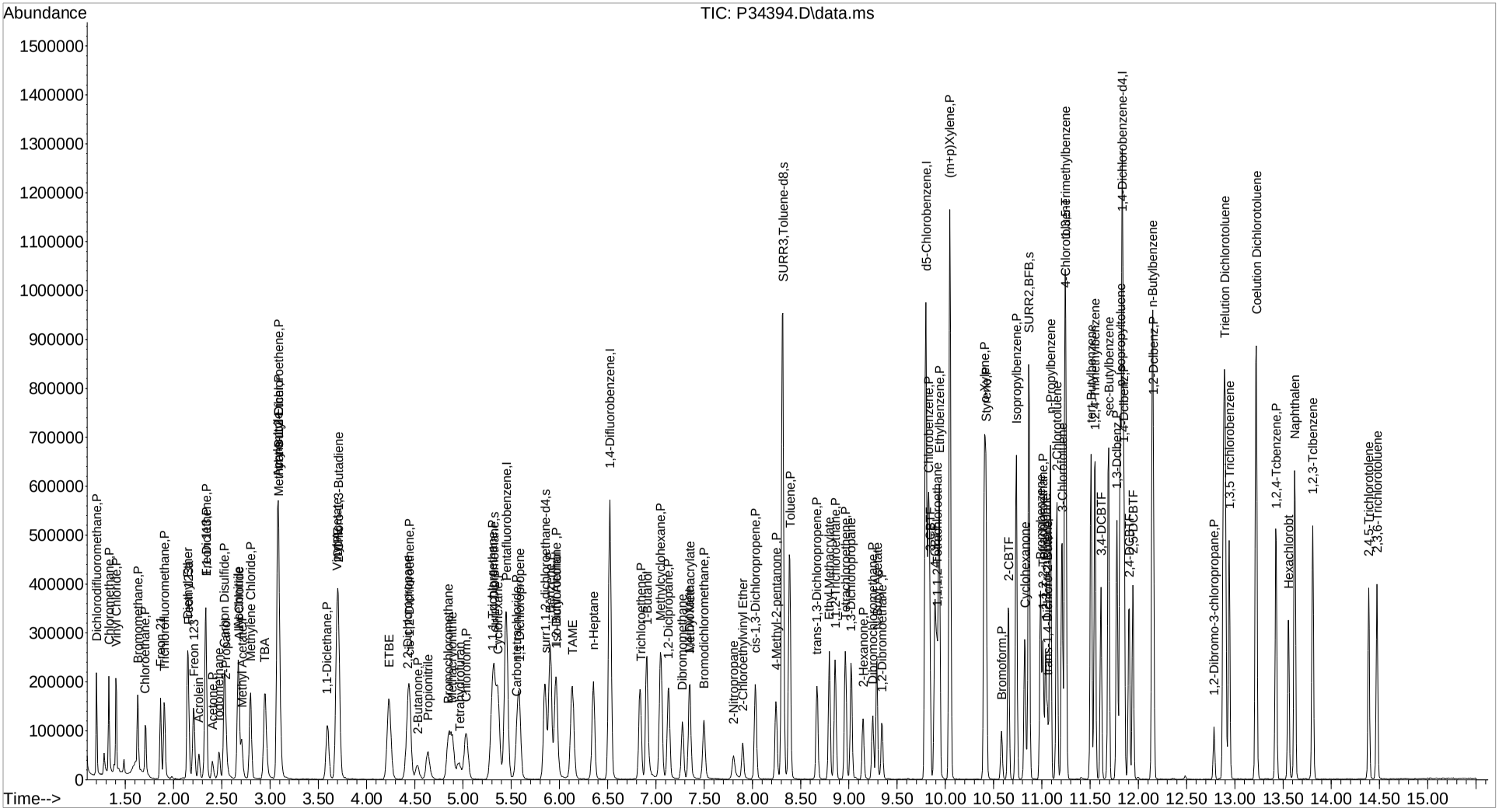
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	168421	22.21	ppb	97
106) 1,4-Dclbenz	11.851	146	175906	22.37	ppb	98
107) 2,4-DCBTF	11.906	214	75625	18.77	ppb	98
108) 2,5-DCBTF	11.943	214	86579	19.42	ppb	93
109) n-Butylbenzene	12.144	91	290490	23.87	ppb	97
110) 1,2-Dclbenz	12.156	146	173025	22.37	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.784	157	21387	20.71	ppb	96
112) Trielution Dichlorotol...	12.894	125	416099	62.37	ppb	99
113) 1,3,5 Trichlorobenzene	12.943	180	122239	19.84	ppb	97
114) Coelution Dichlorotoluene	13.223	125	306151	41.88	ppb	97
115) 1,2,4-Tcbenzene	13.430	180	131575	22.07	ppb	98
116) Hexachlorobt	13.558	225	52188	21.83	ppb	98
117) Naphthalen	13.619	128	401994	24.26	ppb	98
118) 1,2,3-Tclbenzene	13.808	180	125719	21.40	ppb	97
119) 2,4,5-Trichlorotolene	14.388	159	79643	19.07	ppb	98
120) 2,3,6-Trichlorotoluene	14.473	159	75197	19.28	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34394.D
Acq On : 27 Mar 2020 1:07 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 13:31:05 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

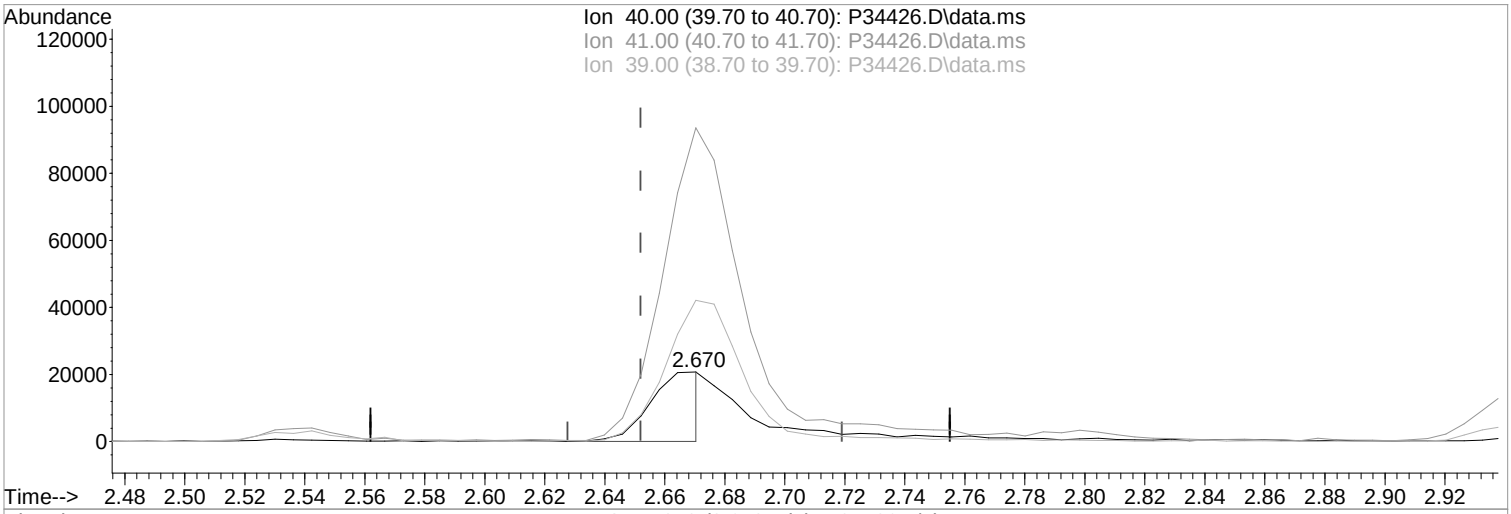


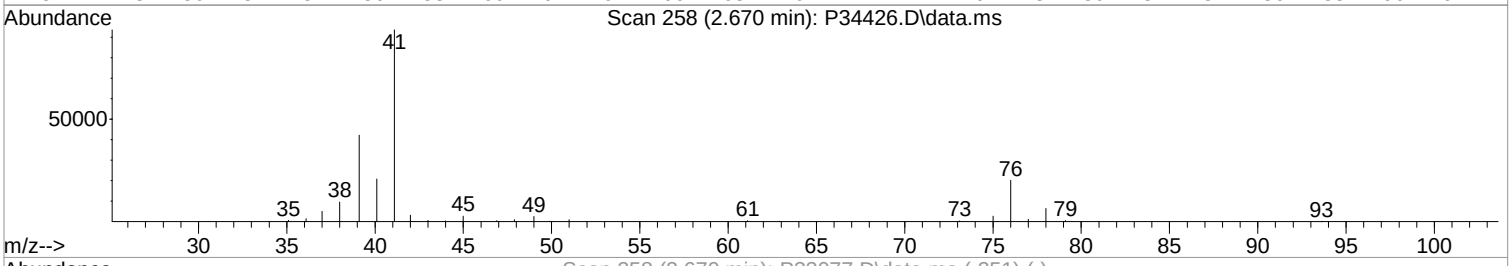
1st 03/30/20
2nd 04/03/20

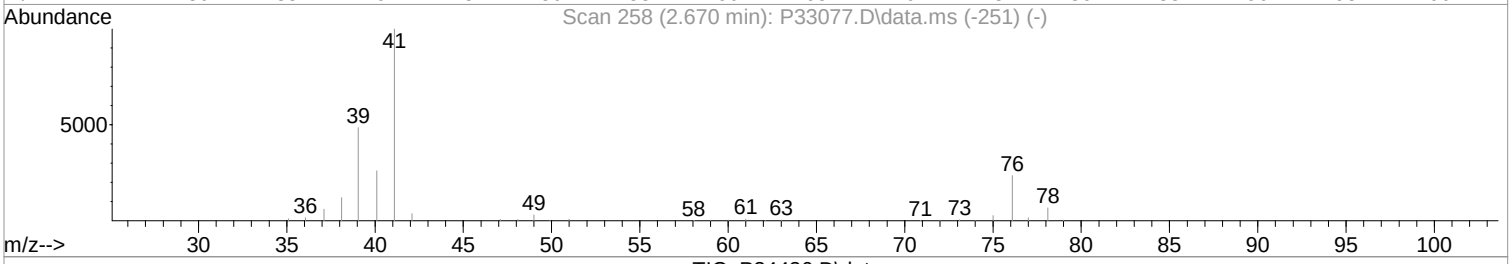
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34426.D
Acq On : 30 Mar 2020 11:46 am
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 12:04:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34426.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 102.65 ppb m

response 24820

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	450.04#
39.00	187.40	202.62
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

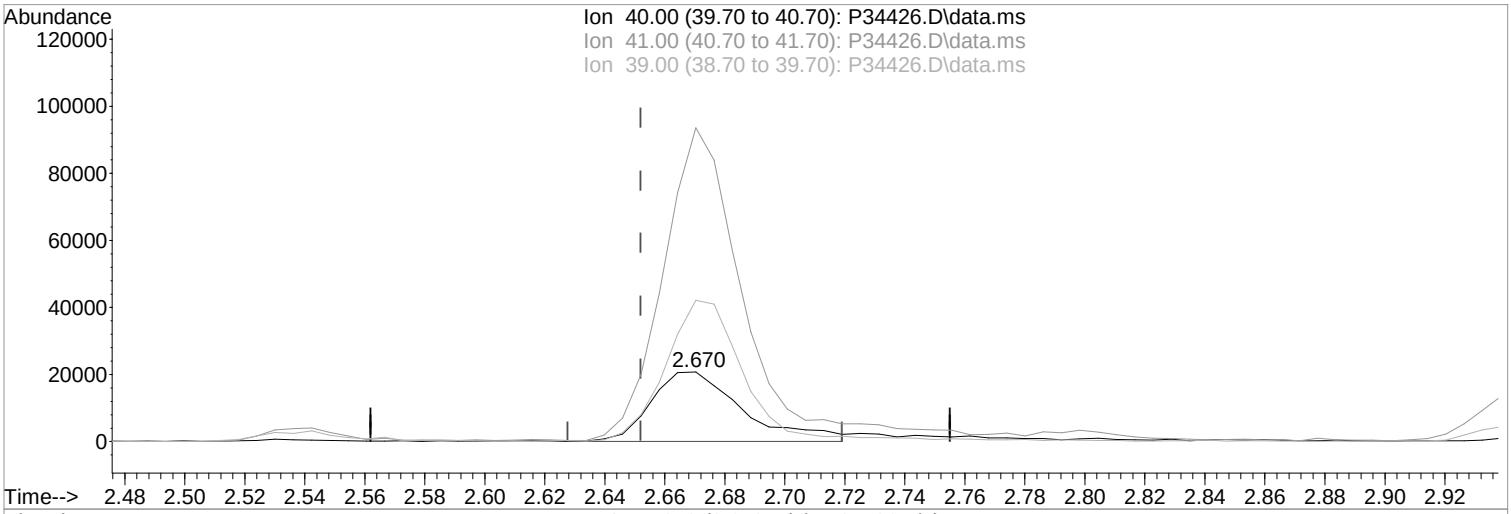
03/30/20

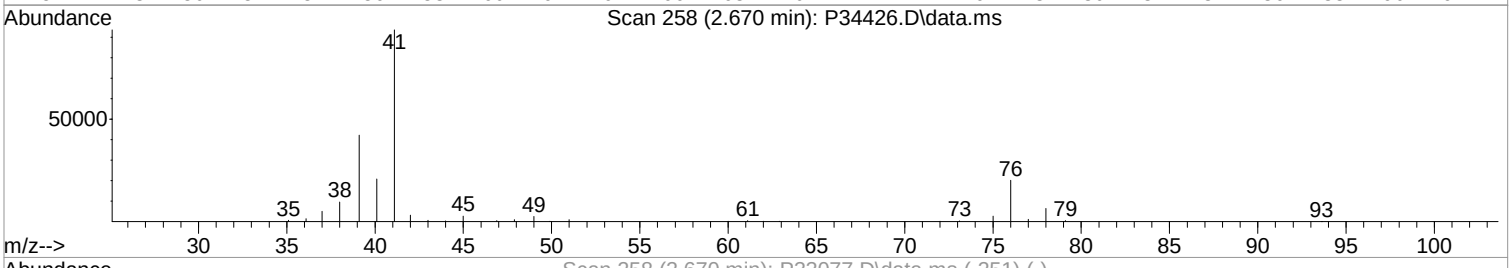
1st 03/30/20
2nd 04/03/20

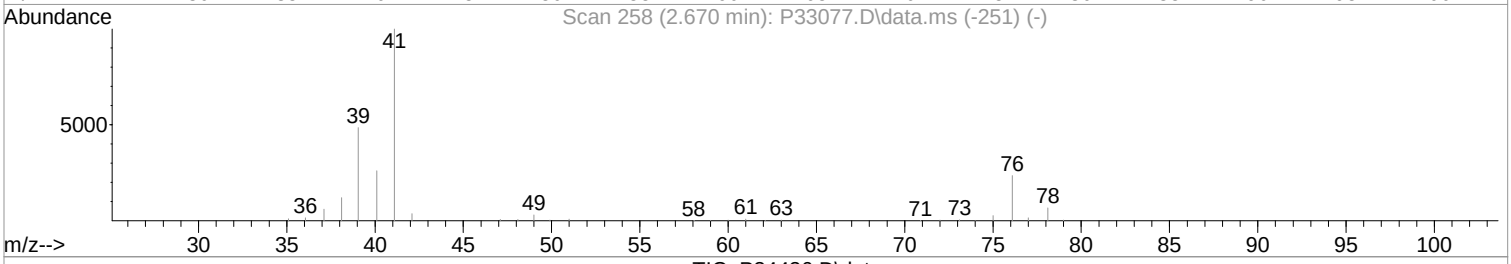
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34426.D
Acq On : 30 Mar 2020 11:46 am
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 12:04:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34426.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 184.08 ppb

response 44510

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	450.04#
39.00	187.40	202.62
0.00	0.00	0.00

Manual Integration:

Before

03/30/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34426.D
Acq On : 30 Mar 2020 11:46 am
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 12:04:49 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	347171	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.523	114	532074	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	466637	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	254186	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	136439	48.55	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.10%				
48) surr1,1,2-dichloroetha...	5.847	65	169471	49.72	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.44%				
65) SURR3,Toluene-d8	8.316	98	644535	49.13	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.26%				
70) SURR2,BFB	10.864	95	242479	47.87	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	85320	22.04	ppb		98
3) Chloromethane	1.329	50	104185	24.59	ppb		94
4) Vinyl Chloride	1.402	62	100380	22.81	ppb		95
5) Bromomethane	1.634	94	57564	17.05	ppb		98
6) Chloroethane	1.713	64	61306	22.37	ppb		91
7) Freon 21	1.866	67	97930	19.91	ppb		96
8) Trichlorofluoromethane	1.908	101	88324	22.60	ppb		98
9) Diethyl Ether	2.146	59	66186	21.72	ppb		94
10) Freon 123a	2.158	67	52793	16.65	ppb		99
11) Freon 123	2.207	83	64603	16.68	ppb		96
12) Acrolein	2.262	56	30159	33.66	ppb		91
13) 1,1-Diclethene	2.335	96	56426	20.83	ppb		93
14) Freon 113	2.335	101	52822	20.72	ppb		92
15) Acetone	2.402	43	32596	22.33	ppb		95
16) 2-Propanol	2.536	45	116574	396.01	ppb		99
17) Iodomethane	2.475	142	64208	16.62	ppb		96
18) Carbon Disulfide	2.524	76	167103	20.20	ppb		98
19) Acetonitrile	2.670	40	24820m	102.65	ppb		
20) Allyl Chloride	2.676	76	35664	22.73	ppb		94
21) Methyl Acetate	2.707	43	73008	21.74	ppb		91
22) Methylene Chloride	2.798	84	67424	19.20	ppb		91
23) TBA	2.951	59	201454	420.64	ppb		97
24) Acrylonitrile	3.079	53	198761	111.14	ppb		96
25) Methyl-t-Butyl Ether	3.097	73	227865	21.48	ppb		96
26) trans-1,2-Dichloroethene	3.085	96	61799	20.62	ppb		95
28) 1,1-Diclethane	3.597	63	116439	22.40	ppb		97
29) Vinyl Acetate	3.688	86	16232	21.92	ppb	#	72
30) DIPE	3.701	45	229569	25.82	ppb		96
31) 2-Chloro-1,3-Butadiene	3.713	53	94062	19.77	ppb		99
32) ETBE	4.231	59	213901	23.74	ppb		95
33) 2,2-Dichloropropane	4.432	77	80781	20.05	ppb		96
34) cis-1,2-Dichloroethene	4.444	96	72866	20.90	ppb		95
35) 2-Butanone	4.524	43	53096	24.78	ppb		97
36) Propionitrile	4.639	54	85264	119.11	ppb		97
37) Bromochloromethane	4.853	130	43558	20.48	ppb	#	85
38) Methacrylonitrile	4.889	67	39678	20.22	ppb		87
39) Tetrahydrofuran	4.956	42	32422	21.86	ppb		88
40) Chloroform	5.036	83	105421	19.84	ppb		97
41) 1,1,1-Trichloroethane	5.304	97	82385	19.97	ppb		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34426.D
Acq On : 30 Mar 2020 11:46 am
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 12:04:49 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.127	73	210251	22.13	ppb		96
44) Cyclohexane	5.359	41	59377	20.14	ppb		93
46) Carbontetrachloride	5.560	117	59101	19.54	ppb		97
47) 1,1-Dichloropropene	5.590	75	86573	21.80	ppb		91
49) Benzene	5.907	78	284476	21.61	ppb		99
50) 1,2-Dichloroethane	5.968	62	88939	20.95	ppb		96
51) Iso-Butyl Alcohol	5.962	43	86512	486.68	ppb		95
52) n-Heptane	6.353	43	89891	21.83	ppb		97
53) 1-Butanol	6.901	56	140180	1333.24	ppb		97
54) Trichloroethene	6.834	130	66527	19.87	ppb		98
55) Methylcyclohexane	7.048	55	86415	19.90	ppb		98
56) 1,2-Diclpropane	7.133	63	72606	21.83	ppb		99
57) Dibromomethane	7.273	93	40296	20.58	ppb		96
58) 1,4-Dioxane	7.346	88	27523	377.13	ppb		91
59) Methyl Methacrylate	7.352	69	64309	20.75	ppb		91
60) Bromodichloromethane	7.499	83	73664	20.39	ppb		98
61) 2-Nitropropane	7.803	41	18371	46.90	ppb		97
62) 2-Chloroethylvinyl Ether	7.901	63	31740	15.63	ppb		95
63) cis-1,3-Dichloropropene	8.029	75	103087	21.07	ppb		97
64) 4-Methyl-2-pentanone	8.242	43	96065	22.66	ppb		98
66) Toluene	8.383	91	299816	20.95	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	87373	19.74	ppb		97
68) Ethyl Methacrylate	8.797	69	108481	21.38	ppb		96
69) 1,1,2-Trichloroethane	8.858	97	68333	20.10	ppb		96
72) Tetrachloroethene	8.968	164	53034	20.39	ppb		92
73) 2-Hexanone	9.145	43	68489	22.48	ppb		93
74) 1,3-Dichloropropane	9.023	76	117541	20.97	ppb		96
75) Dibromochloromethane	9.248	129	57942	22.73	ppb		93
76) N-Butyl Acetate	9.285	43	128785	23.23	ppb		95
77) 1,2-Dibromoethane	9.346	107	66913	21.10	ppb		98
78) Chlorobenzene	9.821	112	196390	21.54	ppb		97
79) 3-CBTF	9.840	180	114475	21.80	ppb		91
80) 4-CBTF	9.895	180	103484	21.41	ppb		99
81) 1,1,1,2-Tetrachloroethane	9.913	131	55315	20.25	ppb		98
82) Ethylbenzene	9.937	106	102654	20.38	ppb		98
83) (m+p)Xylene	10.047	106	267066	44.54	ppb		99
84) o-Xylene	10.407	106	128667	21.34	ppb		97
85) Styrene	10.419	104	216325	20.92	ppb		99
87) Bromoform	10.583	173	35521	22.33	ppb		93
88) 2-CBTF	10.657	180	110911	21.49	ppb		99
89) Isopropylbenzene	10.736	105	325815	22.05	ppb		98
90) Cyclohexanone	10.827	55	131462	165.49	ppb		95
91) trans-1,4-Dichloro-2-B...	11.059	53	20967	21.11	ppb		86
92) 1,1,2,2-Tetrachloroethane	11.010	83	100388	22.72	ppb		96
93) Bromobenzene	10.986	156	79845	20.06	ppb		96
94) 1,2,3-Trichloropropane	11.041	110	30046	20.33	ppb	#	79
95) n-Propylbenzene	11.089	91	390519	22.28	ppb		98
96) 2-Chlorotoluene	11.156	91	233826	21.63	ppb		99
97) 3-Chlorotoluene	11.211	91	251463	22.28	ppb		99
98) 4-Chlorotoluene	11.248	91	253098	21.36	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	271285	21.81	ppb		98
100) tert-Butylbenzene	11.510	119	237905	21.09	ppb		99
101) 1,2,4-Trimethylbenzene	11.553	105	275207	21.10	ppb		98
102) 3,4-DCBTF	11.614	214	94312	21.33	ppb		97
103) sec-Butylbenzene	11.693	105	350756	21.97	ppb		99
104) p-Isopropyltoluene	11.815	119	291894	21.07	ppb		100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34426.D
Acq On : 30 Mar 2020 11:46 am
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 12:04:49 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	164350	21.30	ppb	99
106) 1,4-Dclbenz	11.851	146	164177	20.52	ppb	98
107) 2,4-DCBTF	11.906	214	85908	20.95	ppb	99
108) 2,5-DCBTF	11.943	214	95903	21.15	ppb	98
109) n-Butylbenzene	12.144	91	265275	21.42	ppb	98
110) 1,2-Dclbenz	12.156	146	163246	20.74	ppb	100
111) 1,2-Dibromo-3-chloropr...	12.784	157	20338	19.36	ppb	89
112) Trielution Dichlorotol...	12.894	125	456307	67.23	ppb	96
113) 1,3,5 Trichlorobenzene	12.943	180	130348	20.80	ppb	99
114) Coelution Dichlorotoluene	13.223	125	333985	44.91	ppb	98
115) 1,2,4-Tcbenzene	13.424	180	124304	20.49	ppb	99
116) Hexachlorobt	13.552	225	50643	20.83	ppb	92
117) Naphthalen	13.619	128	379676	22.52	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	123150	20.60	ppb	99
119) 2,4,5-Trichlorotolene	14.388	159	89232	21.00	ppb	99
120) 2,3,6-Trichlorotoluene	14.473	159	83610	21.07	ppb	98

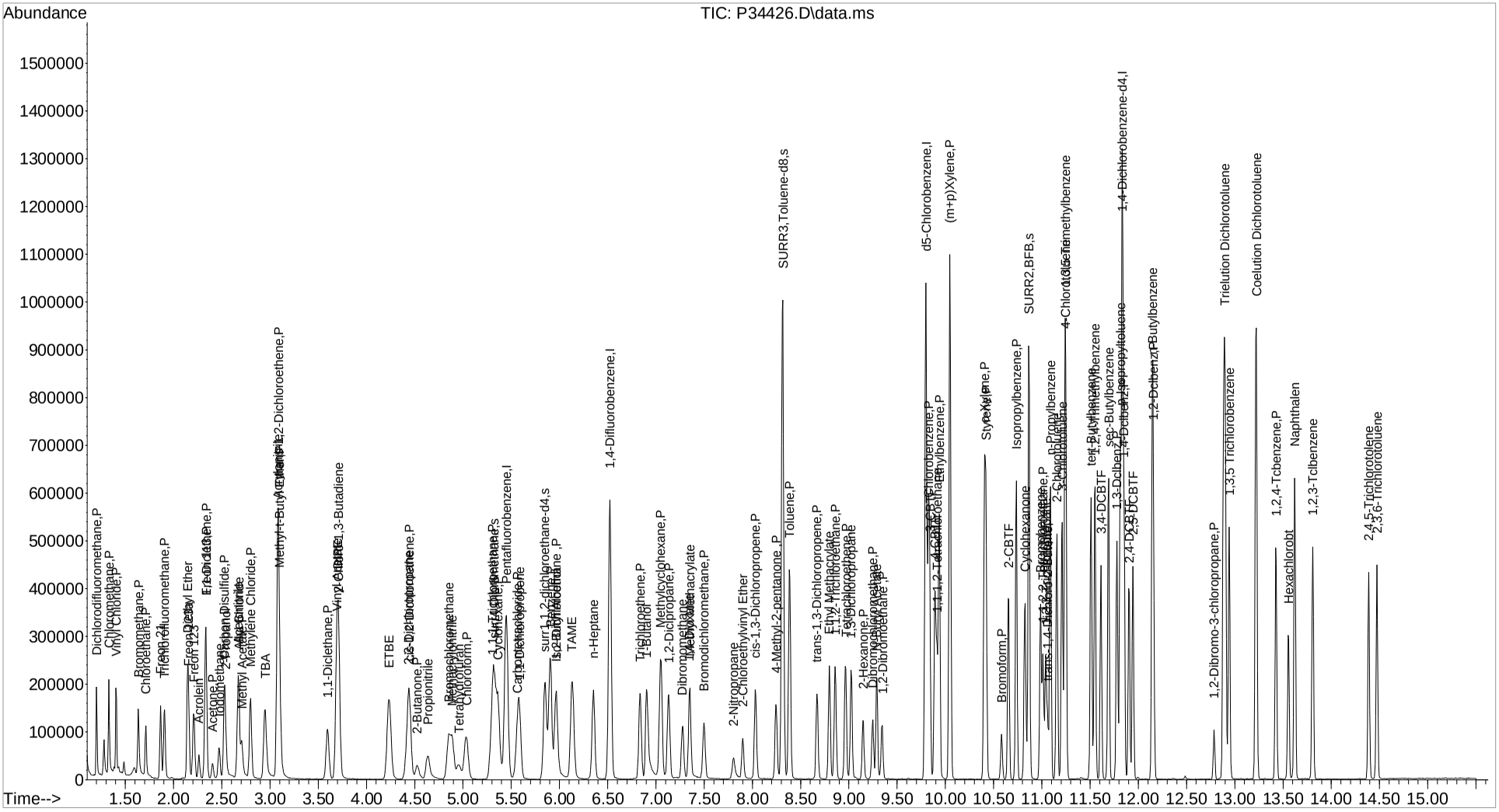
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34426.D
Acq On : 30 Mar 2020 11:46 am
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 2 Sample Multiplier: 1

1st 03/30/20
2nd 04/03/20

Quant Time: Mar 30 12:04:49 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

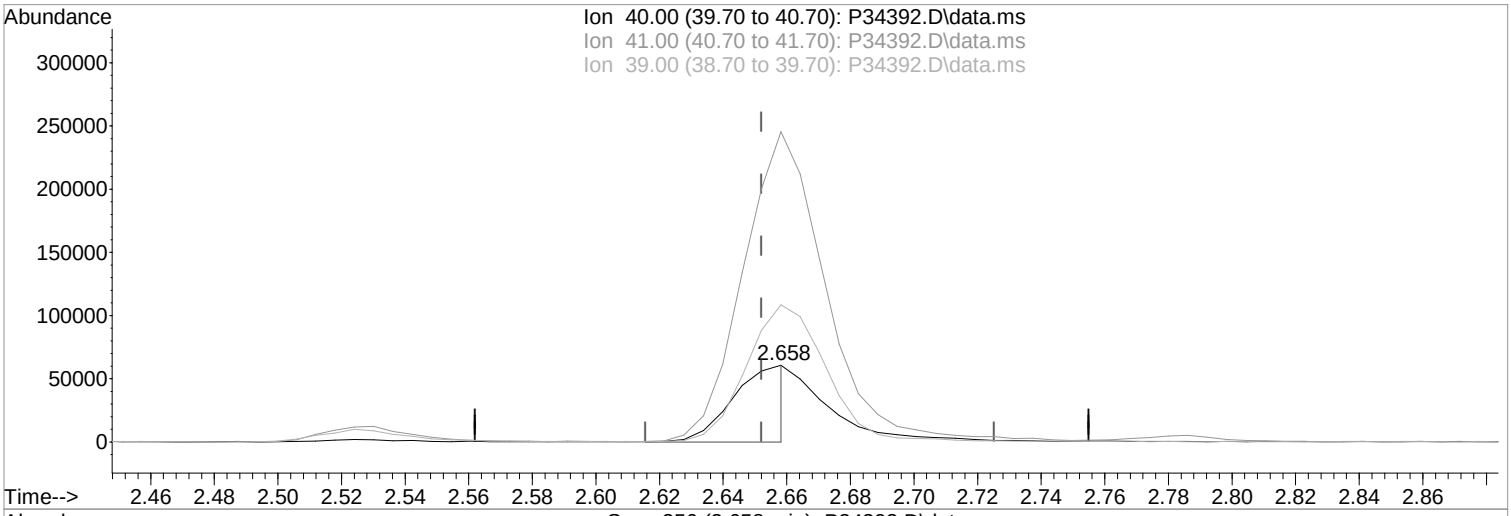


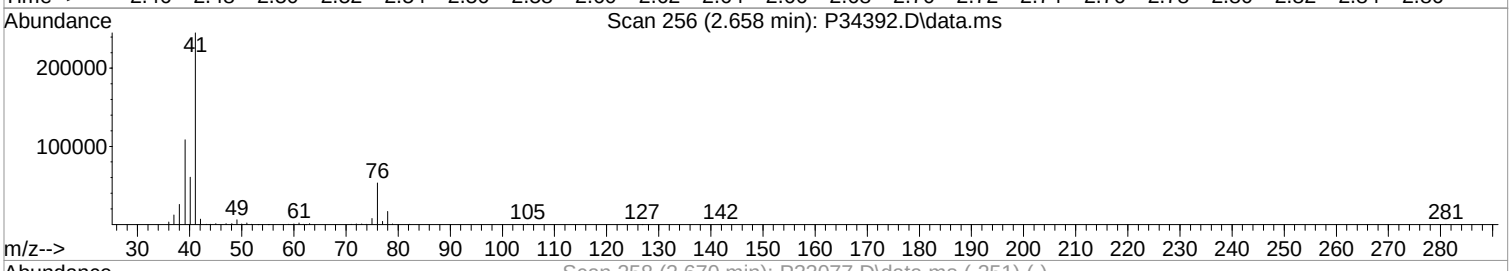
1st 03/27/20
2nd 04/02/20

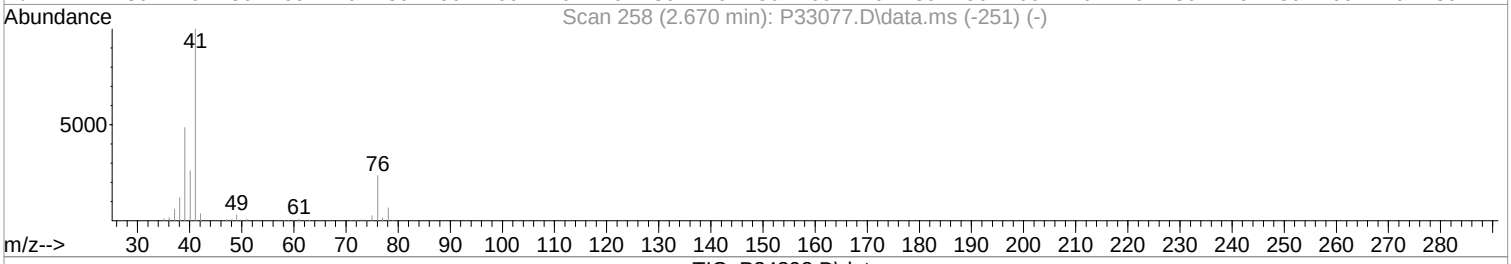
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:38:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34392.D\data.ms

(19) Acetonitrile

2.658min (+0.006) 281.80 ppb m

response 71892

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	404.43
39.00	187.40	178.72
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

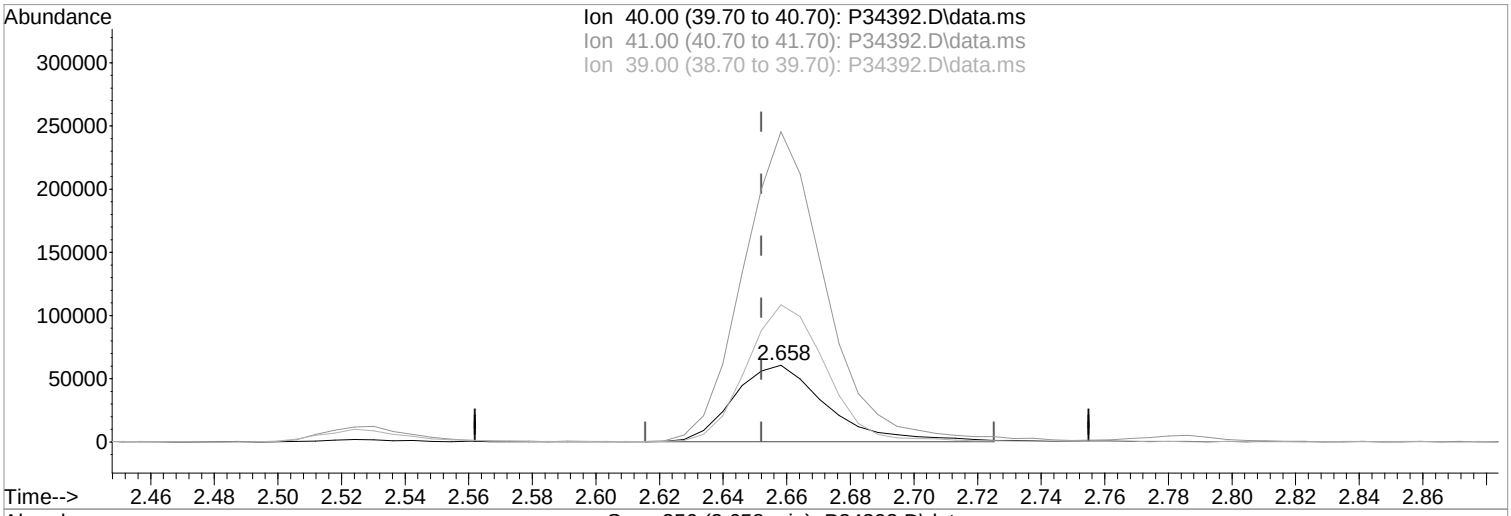
03/27/20

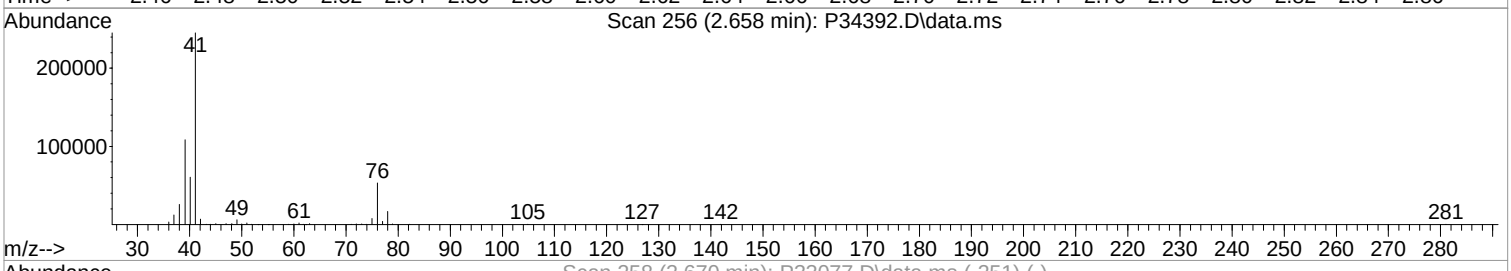
1st 03/27/20
2nd 04/02/20

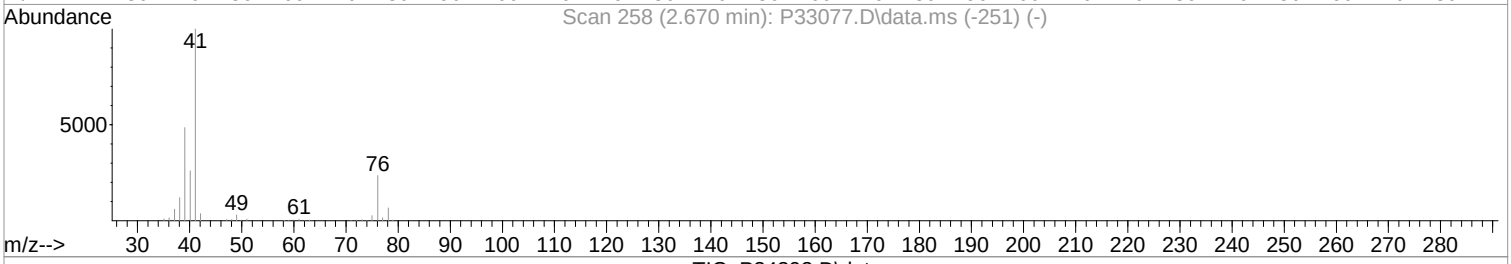
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:38:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34392.D\data.ms

(19) Acetonitrile

2.658min (+0.006) 481.11 ppb

response 122738

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	404.43
39.00	187.40	178.72
0.00	0.00	0.00

Manual Integration:

Before

03/27/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	105	0.00
2	P	Dichlorodifluoromethane	50.0000	49.0508	1.9	89	0.00
3	P	Chloromethane	50.0000	56.4438	-12.9	104	0.00
4	P	Vinyl Chloride	50.0000	55.4621	-10.9	98	0.00
5	P	Bromomethane	50.0000	38.8335	22.3#	96	0.00
6	P	Chloroethane	50.0000	54.8002	-9.6	106	0.00
7		Freon 21	50.0000	56.8484	-13.7	106	0.00
8	P	Trichlorofluoromethane	50.0000	54.1761	-8.4	96	0.00
9		Diethyl Ether	50.0000	53.2411	-6.5	103	0.00
10		Freon 123a	50.0000	55.6487	-11.3	105	0.00
11		Freon 123	50.0000	51.9881	-4.0	100	0.00
12		Acrolein	250.0000	244.3271	2.3	100	0.00
13	P	1,1-Diclethene	50.0000	51.5573	-3.1	95	0.00
14	P	Freon 113	50.0000	54.3837	-8.8	97	0.00
15	P	Acetone	50.0000	46.5628	6.9	99	0.00
16		2-Propanol	1000.0000	1046.4840	-4.6	107	0.00
17		Iodomethane	50.0000	31.8202	36.4#	60	0.00
18	P	Carbon Disulfide	50.0000	49.5923	0.8	96	0.00
19		Acetonitrile	250.0000	281.8022	-12.7	105	0.00
20		Allyl Chloride	50.0000	52.5315	-5.1	109	0.00
21	P	Methyl Acetate	50.0000	49.7048	0.6	101	0.00
22	P	Methylene Chloride	50.0000	46.1021	7.8	99	0.00
23		TBA	1000.0000	1030.1835	-3.0	104	0.00
24		Acrylonitrile	250.0000	261.9215	-4.8	105	0.00
25	P	Methyl-t-Butyl Ether	50.0000	49.7698	0.5	98	0.00
26	P	trans-1,2-Dichloroethene	50.0000	50.9007	-1.8	95	0.00
27		Halothane	-1.0000	0.0000	0.0	0	-4.22#
28	P	1,1-Diclethane	50.0000	54.7954	-9.6	103	0.00
29		Vinyl Acetate	50.0000	56.9754	-14.0	116	0.00
30		DIPE	50.0000	62.7552	-25.5#	118	0.00
31		2-Chloro-1,3-Butadiene	50.0000	53.6620	-7.3	104	0.00
32		ETBE	50.0000	57.3288	-14.7	112	0.00
33		2,2-Dichloropropane	50.0000	50.7780	-1.6	94	0.00
34	P	cis-1,2-Dichloroethene	50.0000	49.5472	0.9	97	0.00
35	P	2-Butanone	50.0000	49.8201	0.4	106	0.00
36		Propionitrile	250.0000	260.1221	-4.0	100	0.00
37		Bromochloromethane	50.0000	49.3915	1.2	100	0.00
38		Methacrylonitrile	50.0000	48.0269	3.9	98	0.00
39		Tetrahydrofuran	50.0000	51.7140	-3.4	107	0.00
40	P	Chloroform	50.0000	47.1876	5.6	98	0.00
41	P	1,1,1-Trichloroethane	50.0000	49.0339	1.9	92	-0.01
42		TAME	50.0000	52.9234	-5.8	103	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	106	0.00
44	P	Cyclohexane	50.0000	53.6743	-7.3	106	0.00
45	s	surr4,Dibrflmethane	50.0000	48.2392	3.5	99	0.00
46	P	Carbontetrachloride	50.0000	50.2107	-0.4	95	0.00
47		1,1-Dichloropropene	50.0000	53.5143	-7.0	99	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	48.5535	2.9	102	0.00
49	P	Benzene	50.0000	52.2053	-4.4	98	0.00
50	P	1,2-Dichloroethane	50.0000	50.6091	-1.2	104	0.00
51		Iso-Butyl Alcohol	1000.0000	1189.7306	-19.0	121	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	58.7688	-17.5	110	0.00
53		1-Butanol	2500.0000	3042.6020	-21.7#	120	0.00
54	P	Trichloroethene	50.0000	51.7637	-3.5	101	0.00
55	P	Methylcyclohexane	50.0000	53.4175	-6.8	104	0.00
56	P	1,2-Diclpropane	50.0000	53.5909	-7.2	105	0.00
57		Dibromomethane	50.0000	49.7087	0.6	99	0.00
58		1,4-Dioxane	1000.0000	909.2825	9.1	93	0.00
59		Methyl Methacrylate	50.0000	49.9305	0.1	101	0.00
60	P	Bromodichloromethane	50.0000	50.2727	-0.5	99	0.00
61		2-Nitropropane	100.0000	110.3445	-10.3	119	0.00
62		2-Chloroethylvinyl Ether	50.0000	38.8525	22.3#	79	0.00
63	P	cis-1,3-Dichloropropene	50.0000	54.5937	-9.2	102	0.00
64	P	4-Methyl-2-pentanone	50.0000	50.6233	-1.2	103	0.00
65	s	SURR3,Toluene-d8	50.0000	49.6630	0.7	103	0.00
66	P	Toluene	50.0000	51.8452	-3.7	99	0.00
67	P	trans-1,3-Dichloropropene	50.0000	53.8315	-7.7	102	0.00
68		Ethyl Methacrylate	50.0000	54.5471	-9.1	103	0.00
69	P	1,1,2-Trichloroethane	50.0000	47.2292	5.5	98	0.00
70	s	SURR2,BFB	50.0000	47.4493	5.1	100	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	103	0.00
72	P	Tetrachloroethene	50.0000	52.9225	-5.8	100	0.00
73	P	2-Hexanone	50.0000	52.2138	-4.4	106	0.00
74		1,3-Dichloropropane	50.0000	52.8056	-5.6	103	0.00
75	P	Dibromochloromethane	50.0000	53.0687	-6.1	99	0.00
76		N-Butyl Acetate	50.0000	58.9266	-17.9	112	0.00
77	P	1,2-Dibromoethane	50.0000	50.8906	-1.8	98	0.00
78	P	Chlorobenzene	50.0000	52.3975	-4.8	99	0.00
79		3-CBTF	50.0000	52.2850	-4.6	96	0.00
80		4-CBTF	50.0000	51.4955	-3.0	97	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	51.6738	-3.3	95	0.00
82	P	Ethylbenzene	50.0000	50.9190	-1.8	97	0.00
83	P	(m+p)Xylene	100.0000	109.3216	-9.3	98	0.00
84	P	o-Xylene	50.0000	53.3203	-6.6	98	0.00
85	P	Styrene	50.0000	54.5202	-9.0	98	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	106	0.00
87	P	Bromoform	50.0000	52.9614	-5.9	102	0.00
88		2-CBTF	50.0000	50.8271	-1.7	97	0.00
89	P	Isopropylbenzene	50.0000	56.2605	-12.5	99	0.00
90		Cyclohexanone	1000.0000	856.0029	14.4	81	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	54.8796	-9.8	98	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	53.2907	-6.6	102	0.00
93		Bromobenzene	50.0000	51.9707	-3.9	100	0.00
94		1,2,3-Trichloropropane	50.0000	47.4346	5.1	90	0.00
95		n-Propylbenzene	50.0000	54.1903	-8.4	97	0.00
96		2-Chlorotoluene	50.0000	52.3999	-4.8	97	0.00
97		3-Chlorotoluene	50.0000	52.3182	-4.6	97	0.00
98		4-Chlorotoluene	50.0000	53.0598	-6.1	98	0.00
99		1,3,5-Trimethylbenzene	50.0000	54.8632	-9.7	98	0.00
100		tert-Butylbenzene	50.0000	53.1721	-6.3	99	0.00
101		1,2,4-Trimethylbenzene	50.0000	53.2178	-6.4	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	50.4340	-0.9	97	0.00
103		sec-Butylbenzene	50.0000	54.5609	-9.1	98	0.00
104		p-Isopropyltoluene	50.0000	55.3956	-10.8	99	0.00
105	P	1,3-Dclbenz	50.0000	51.5801	-3.2	97	0.00
106	P	1,4-Dclbenz	50.0000	51.4034	-2.8	99	0.00
107		2,4-DCBTF	50.0000	50.3374	-0.7	96	0.00
108		2,5-DCBTF	50.0000	50.2411	-0.5	97	0.00
109		n-Butylbenzene	50.0000	56.0881	-12.2	100	0.00
110	P	1,2-Dclbenz	50.0000	51.3343	-2.7	99	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	50.5600	-1.1	96	0.00
112		Trielution Dichlorotoluene	150.0000	158.2705	-5.5	96	0.00
113		1,3,5 Trichlorobenzene	50.0000	50.4528	-0.9	96	0.00
114		Coelution Dichlorotoluene	100.0000	107.0259	-7.0	97	0.00
115	P	1,2,4-Tcbenzene	50.0000	51.8194	-3.6	101	0.00
116		Hexachlorobt	50.0000	52.2039	-4.4	95	0.00
117		Naphthalen	50.0000	54.8655	-9.7	97	0.00
118		1,2,3-Tclbenzene	50.0000	51.8399	-3.7	98	0.00
119		2,4,5-Trichlorotolene	50.0000	50.4126	-0.8	91	0.00
120		2,3,6-Trichlorotoluene	50.0000	47.9703	4.1	89	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.432	168	366289	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	552904	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	486564	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	269355	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	140872	48.24	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.48%				
48) surr1,1,2-dichloroetha...	5.840	65	171961	48.55	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.10%				
65) SURR3,Toluene-d8	8.309	98	677050	49.66	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.32%				
70) SURR2,BFB	10.864	95	249770	47.45	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	200315	49.05	ppb		99
3) Chloromethane	1.317	50	252275	56.44	ppb		97
4) Vinyl Chloride	1.396	62	257563	55.46	ppb		97
5) Bromomethane	1.622	94	138336	38.83	ppb		98
6) Chloroethane	1.701	64	158474	54.80	ppb		96
7) Freon 21	1.853	67	294957	56.85	ppb		100
8) Trichlorofluoromethane	1.896	101	223353	54.18	ppb		96
9) Diethyl Ether	2.134	59	171188	53.24	ppb		98
10) Freon 123a	2.140	67	186166	55.65	ppb		93
11) Freon 123	2.195	83	212411	51.99	ppb		97
12) Acrolein	2.250	56	230973	244.33	ppb		96
13) 1,1-Diclethene	2.323	96	147381	51.56	ppb		94
14) Freon 113	2.323	101	146269	54.38	ppb		93
15) Acetone	2.390	43	71715	46.56	ppb		97
16) 2-Propanol	2.524	45	325021	1046.48	ppb		98
17) Iodomethane	2.457	142	137978	31.82	ppb		100
18) Carbon Disulfide	2.512	76	432912	49.59	ppb		99
19) Acetonitrile	2.658	40	71892m	281.80	ppb		
20) Allyl Chloride	2.658	76	86952	52.53	ppb	#	89
21) Methyl Acetate	2.695	43	176127	49.70	ppb		99
22) Methylene Chloride	2.786	84	170797	46.10	ppb		94
23) TBA	2.932	59	520549	1030.18	ppb		98
24) Acrylonitrile	3.067	53	494192	261.92	ppb		99
25) Methyl-t-Butyl Ether	3.079	73	557065	49.77	ppb		97
26) trans-1,2-Dichloroethene	3.073	96	160971	50.90	ppb		95
28) 1,1-Diclethane	3.585	63	300499	54.80	ppb		95
29) Vinyl Acetate	3.676	86	44524	56.98	ppb	#	85
30) DIPE	3.688	45	588607	62.76	ppb		98
31) 2-Chloro-1,3-Butadiene	3.695	53	269331	53.66	ppb		98
32) ETBE	4.219	59	545083	57.33	ppb		96
33) 2,2-Dichloropropane	4.414	77	215829	50.78	ppb		99
34) cis-1,2-Dichloroethene	4.432	96	182242	49.55	ppb		94
35) 2-Butanone	4.505	43	112618	49.82	ppb		97
36) Propionitrile	4.621	54	196460	260.12	ppb		99
37) Bromochloromethane	4.835	130	110827	49.39	ppb	#	87
38) Methacrylonitrile	4.877	67	99410	48.03	ppb		92
39) Tetrahydrofuran	4.938	42	80928	51.71	ppb		73
40) Chloroform	5.017	83	264593	47.19	ppb		97
41) 1,1,1-Trichloroethane	5.280	97	213392	49.03	ppb		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.121	73	530581	52.92	ppb		96
44) Cyclohexane	5.347	41	164457	53.67	ppb		95
46) Carbontetrachloride	5.548	117	157799	50.21	ppb		92
47) 1,1-Dichloropropene	5.572	75	220795	53.51	ppb		97
49) Benzene	5.895	78	714090	52.21	ppb		99
50) 1,2-Dichloroethane	5.956	62	223225	50.61	ppb		99
51) Iso-Butyl Alcohol	5.950	43	240086	1189.73	ppb		94
52) n-Heptane	6.346	43	251493	58.77	ppb		99
53) 1-Butanol	6.895	56	374526	3042.60	ppb		99
54) Trichloroethene	6.828	130	180056	51.76	ppb		94
55) Methylcyclohexane	7.041	55	241071	53.42	ppb		98
56) 1,2-Diclpropane	7.127	63	185216	53.59	ppb		98
57) Dibromomethane	7.267	93	101134	49.71	ppb		98
58) 1,4-Dioxane	7.334	88	68957	909.28	ppb		100
59) Methyl Methacrylate	7.346	69	160840	49.93	ppb		96
60) Bromodichloromethane	7.493	83	188697	50.27	ppb		98
61) 2-Nitropropane	7.797	41	44910	110.34	ppb		97
62) 2-Chloroethylvinyl Ether	7.895	63	81990	38.85	ppb		99
63) cis-1,3-Dichloropropene	8.029	75	277559	54.59	ppb		99
64) 4-Methyl-2-pentanone	8.242	43	223013	50.62	ppb		99
66) Toluene	8.383	91	770991	51.85	ppb		98
67) trans-1,3-Dichloropropene	8.669	75	247628	53.83	ppb		98
68) Ethyl Methacrylate	8.797	69	287616	54.55	ppb		98
69) 1,1,2-Trichloroethane	8.858	97	166813	47.23	ppb		99
72) Tetrachloroethene	8.962	164	143557	52.92	ppb		94
73) 2-Hexanone	9.145	43	165866	52.21	ppb		94
74) 1,3-Dichloropropane	9.023	76	308591	52.81	ppb		98
75) Dibromochloromethane	9.248	129	141083	53.07	ppb		92
76) N-Butyl Acetate	9.285	43	340671	58.93	ppb		100
77) 1,2-Dibromoethane	9.340	107	168266	50.89	ppb		98
78) Chlorobenzene	9.821	112	498143	52.40	ppb		98
79) 3-CBTF	9.834	180	286247	52.29	ppb		95
80) 4-CBTF	9.888	180	259488	51.50	ppb		97
81) 1,1,1,2-Tetrachloroethane	9.913	131	147203	51.67	ppb		97
82) Ethylbenzene	9.937	106	267384	50.92	ppb		94
83) (m+p)Xylene	10.047	106	683433	109.32	ppb		97
84) o-Xylene	10.407	106	335204	53.32	ppb		95
85) Styrene	10.419	104	587853	54.52	ppb		99
87) Bromoform	10.583	173	89265	52.96	ppb		98
88) 2-CBTF	10.657	180	277953	50.83	ppb		96
89) Isopropylbenzene	10.736	105	880885	56.26	ppb		99
90) Cyclohexanone	10.821	55	720588	856.00	ppb		98
91) trans-1,4-Dichloro-2-B...	11.059	53	57769	54.88	ppb		89
92) 1,1,2,2-Tetrachloroethane	11.010	83	249489	53.29	ppb		98
93) Bromobenzene	10.986	156	219203	51.97	ppb		98
94) 1,2,3-Trichloropropane	11.041	110	74287	47.43	ppb	#	84
95) n-Propylbenzene	11.089	91	1006566	54.19	ppb		100
96) 2-Chlorotoluene	11.156	91	600226	52.40	ppb		97
97) 3-Chlorotoluene	11.211	91	625780	52.32	ppb		99
98) 4-Chlorotoluene	11.248	91	666314	53.06	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	723228	54.86	ppb		99
100) tert-Butylbenzene	11.510	119	635731	53.17	ppb		100
101) 1,2,4-Trimethylbenzene	11.553	105	735397	53.22	ppb		100
102) 3,4-DCBTF	11.614	214	236356	50.43	ppb		99
103) sec-Butylbenzene	11.693	105	923266	54.56	ppb		100
104) p-Isopropyltoluene	11.815	119	813030	55.40	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

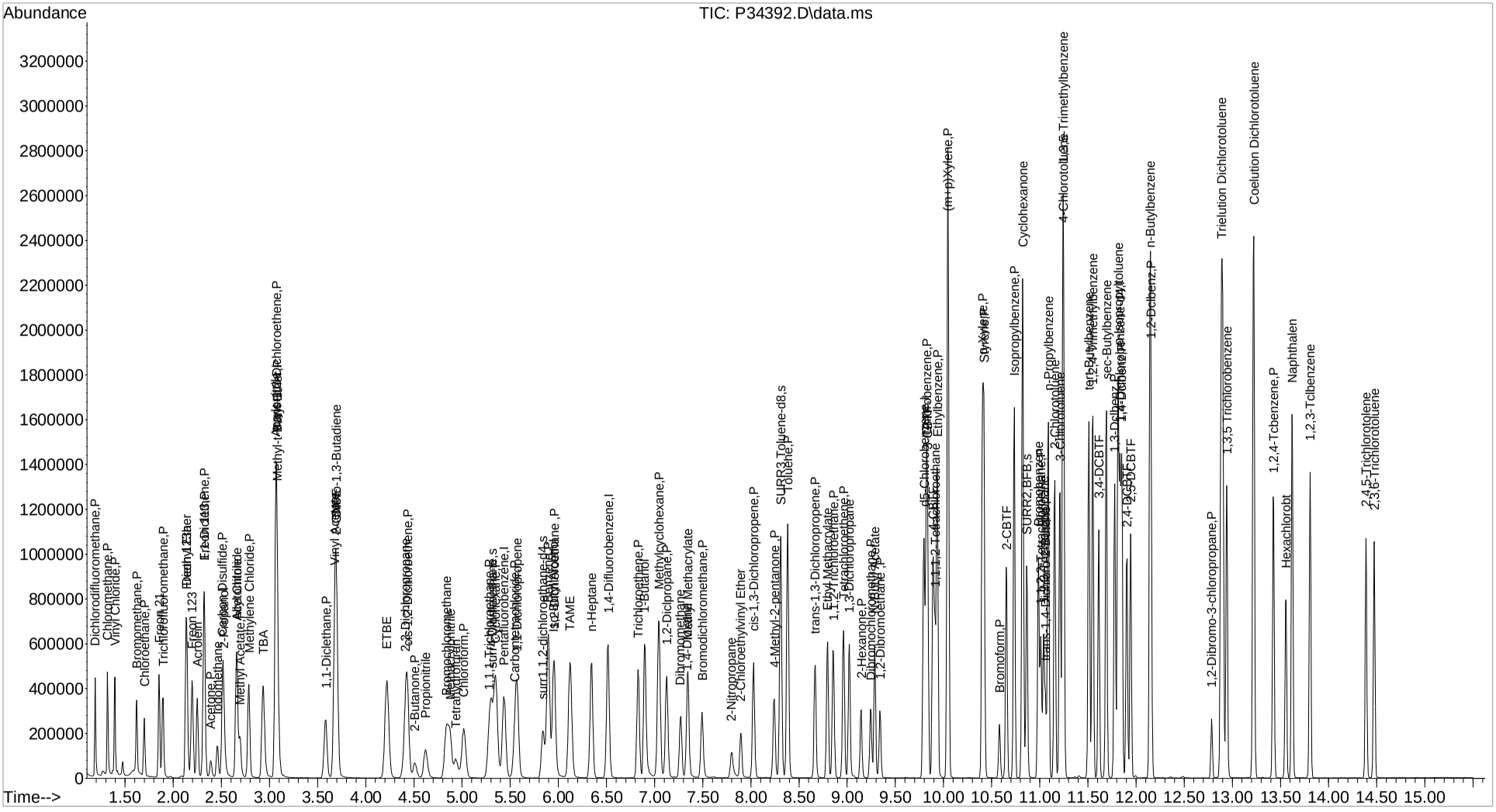
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	421760	51.58	ppb	98
106) 1,4-Dclbenz	11.851	146	435721	51.40	ppb	99
107) 2,4-DCBTF	11.906	214	218708	50.34	ppb	97
108) 2,5-DCBTF	11.943	214	241441	50.24	ppb	97
109) n-Butylbenzene	12.144	91	736035	56.09	ppb	99
110) 1,2-Dclbenz	12.156	146	428139	51.33	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	56286	50.56	ppb	97
112) Trielution Dichlorotol...	12.888	125	1138298	158.27	ppb	94
113) 1,3,5 Trichlorobenzene	12.943	180	335060	50.45	ppb	99
114) Coelution Dichlorotoluene	13.223	125	843473	107.03	ppb	97
115) 1,2,4-Tcbenzene	13.430	180	333060	51.82	ppb	99
116) Hexachlorobt	13.558	225	134525	52.20	ppb	97
117) Naphthalen	13.619	128	980113	54.87	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	328329	51.84	ppb	99
119) 2,4,5-Trichlorotolene	14.388	159	226964	50.41	ppb	99
120) 2,3,6-Trichlorotoluene	14.473	159	201741	47.97	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

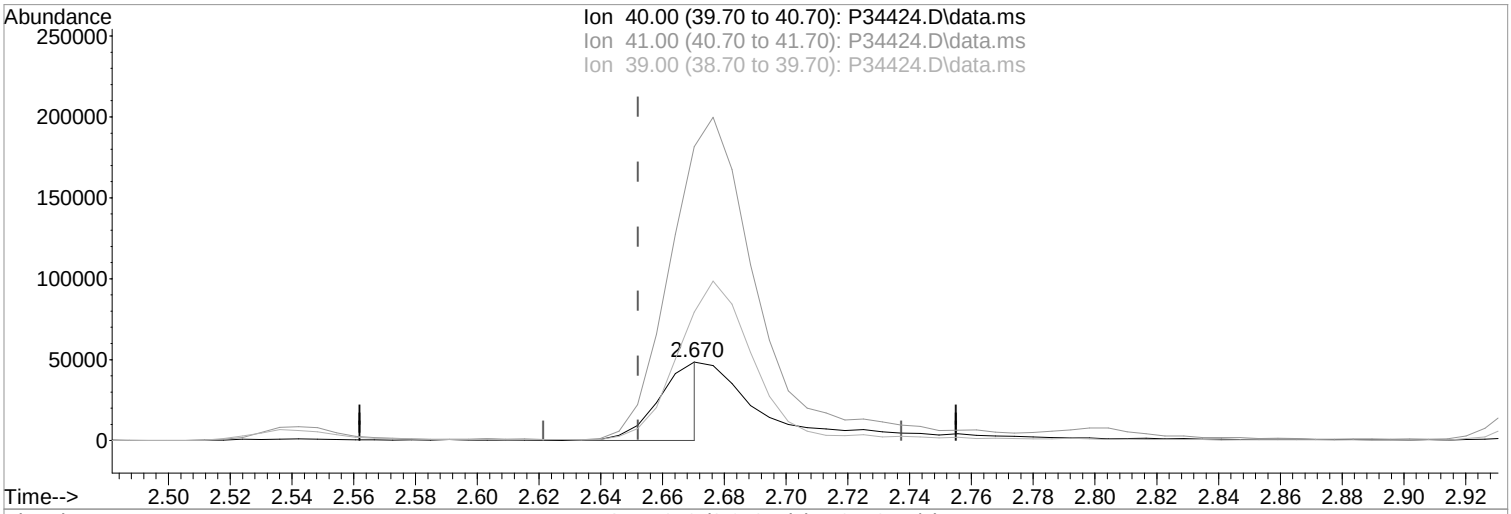


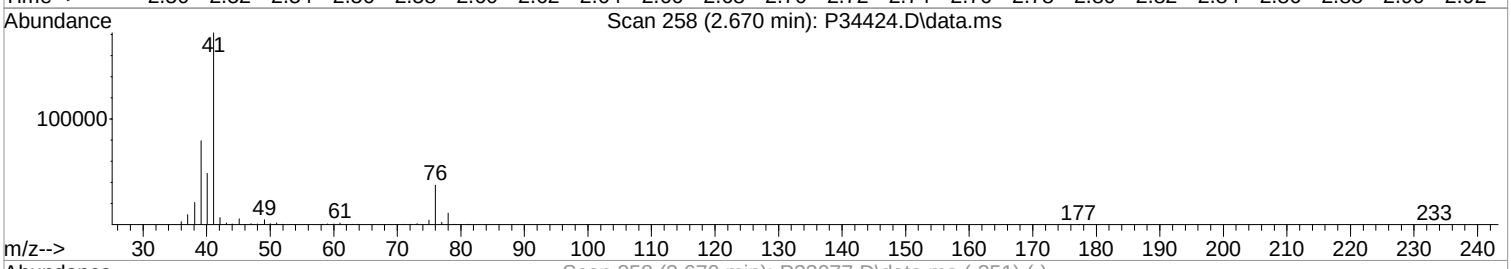
1st 03/30/20
2nd 04/03/20

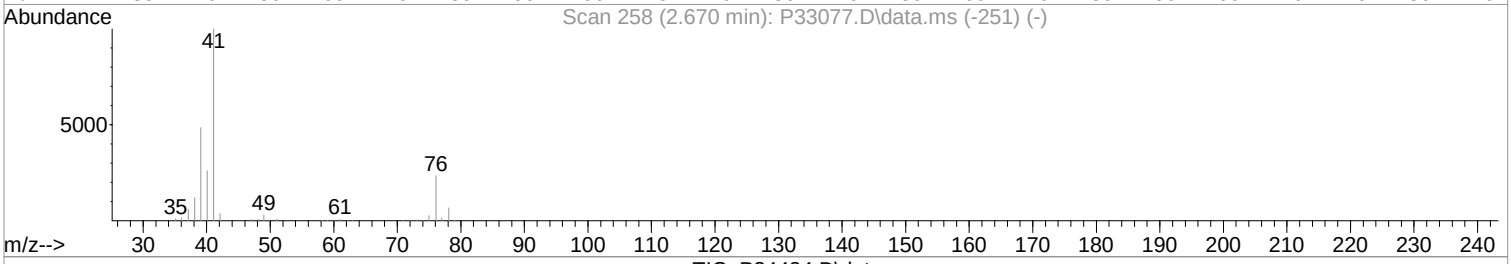
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34424.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 184.91 ppb m

response 46354

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	374.35
39.00	187.40	163.41#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

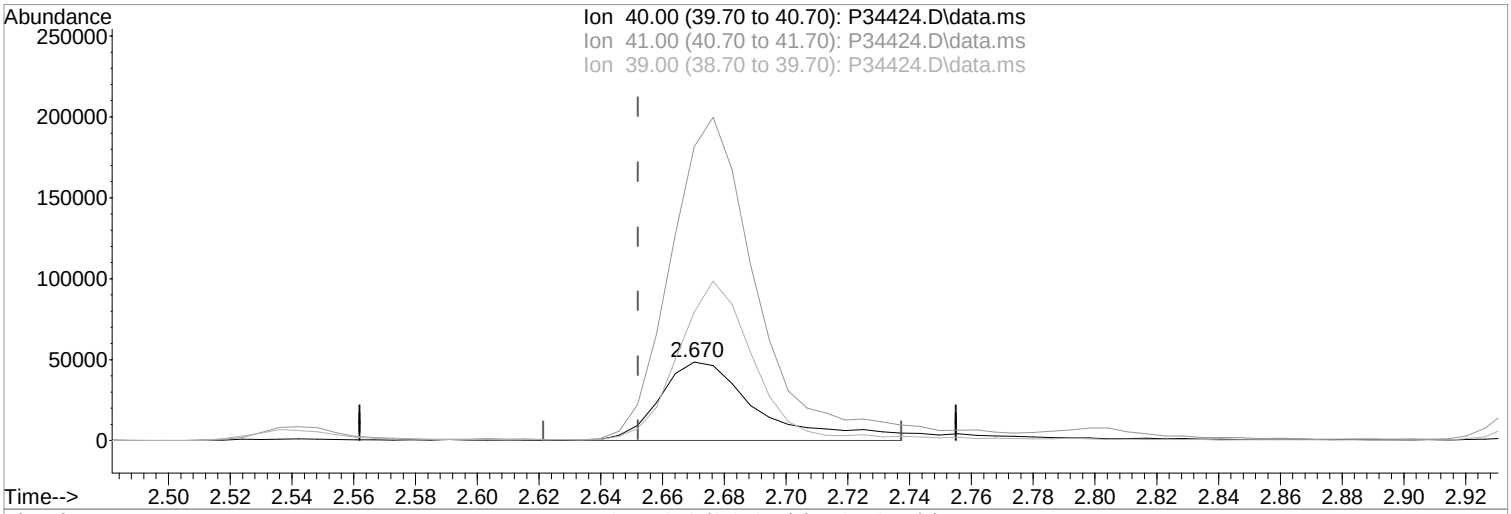
03/30/20

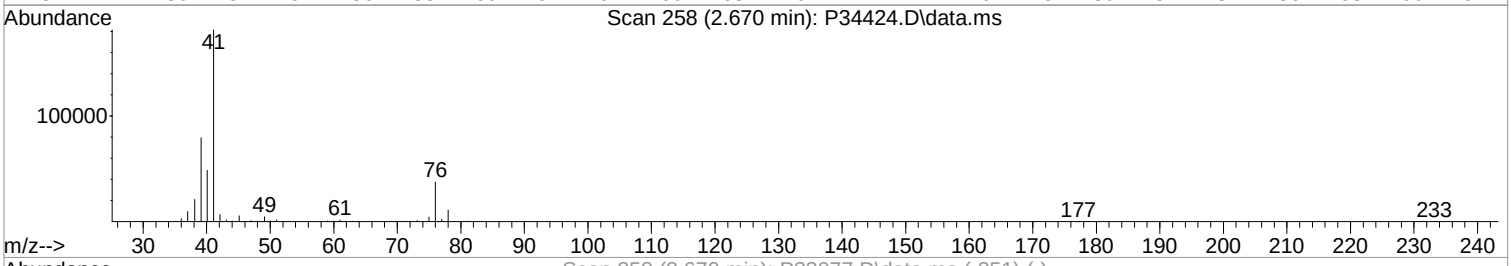
1st 03/30/20
2nd 04/03/20

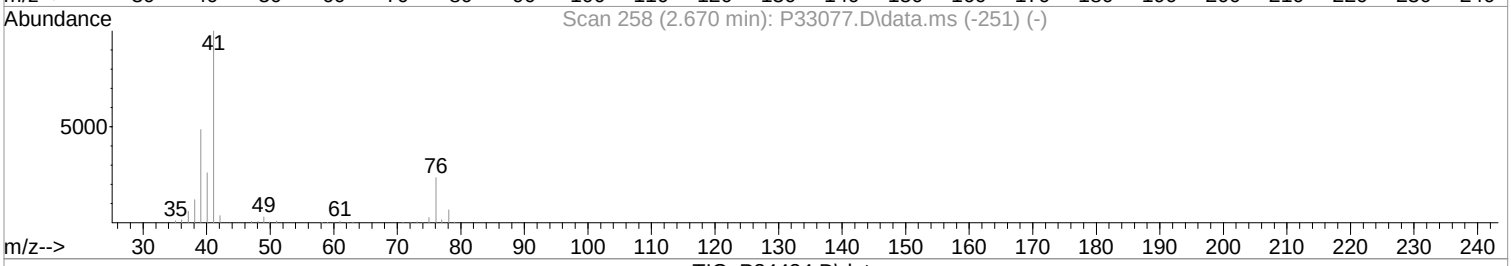
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34424.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 422.48 ppb

response 105908

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	374.35
39.00	187.40	163.41#
0.00	0.00	0.00

Manual Integration:

Before

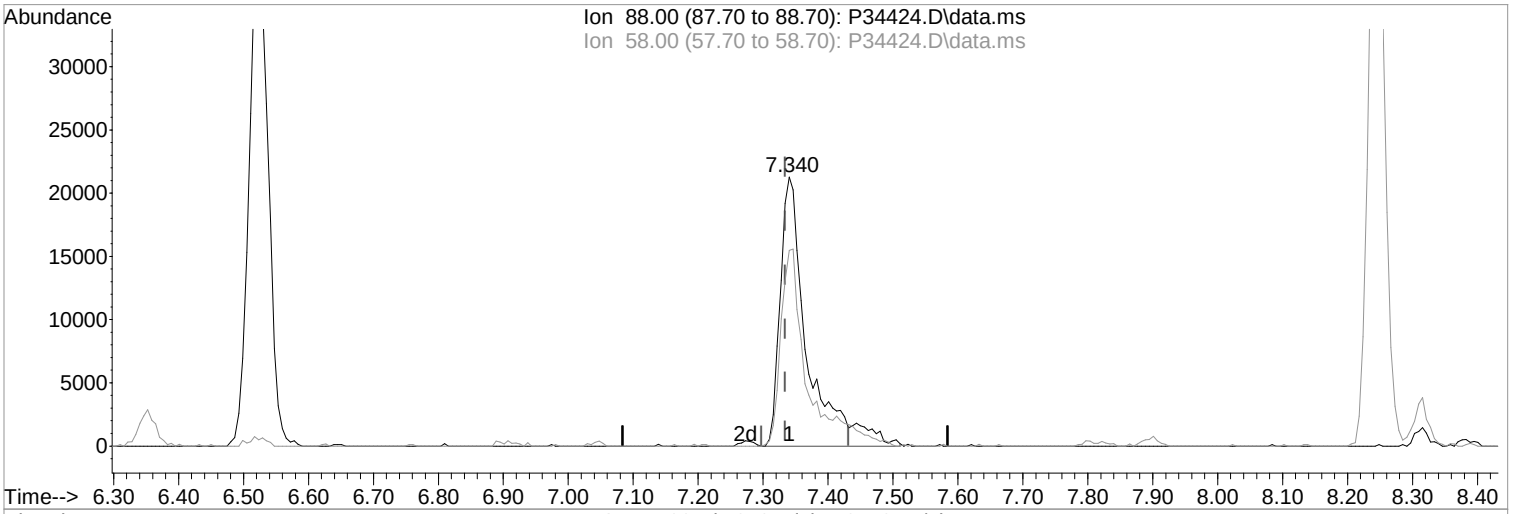
03/30/20

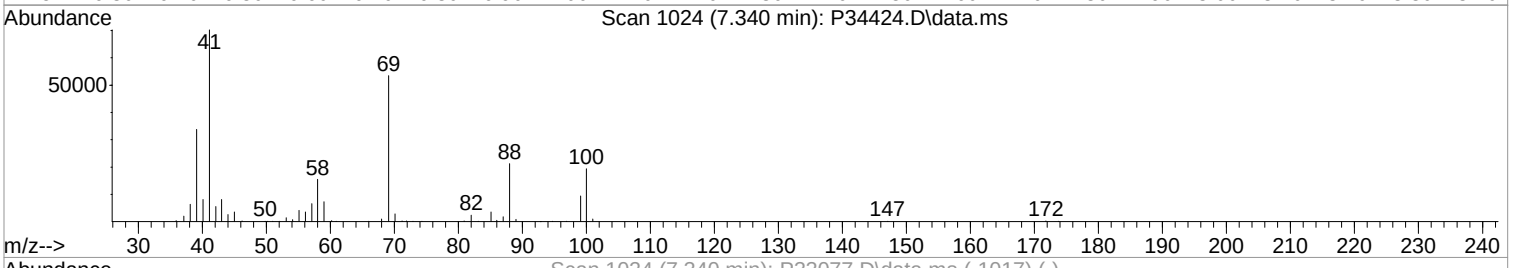
1st 03/30/20
2nd 04/03/20

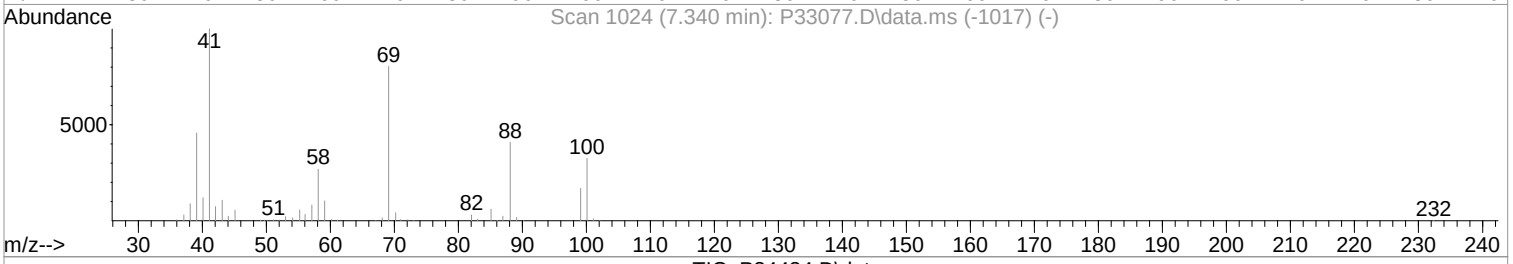
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
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Quant Time: Mar 30 11:25:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
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TIC: P34424.D\data.ms

(58) 1,4-Dioxane

7.340min (+0.006) 834.93 ppb m

response 62389

Ion	Exp%	Act%
88.00	100	100
58.00	65.70	72.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

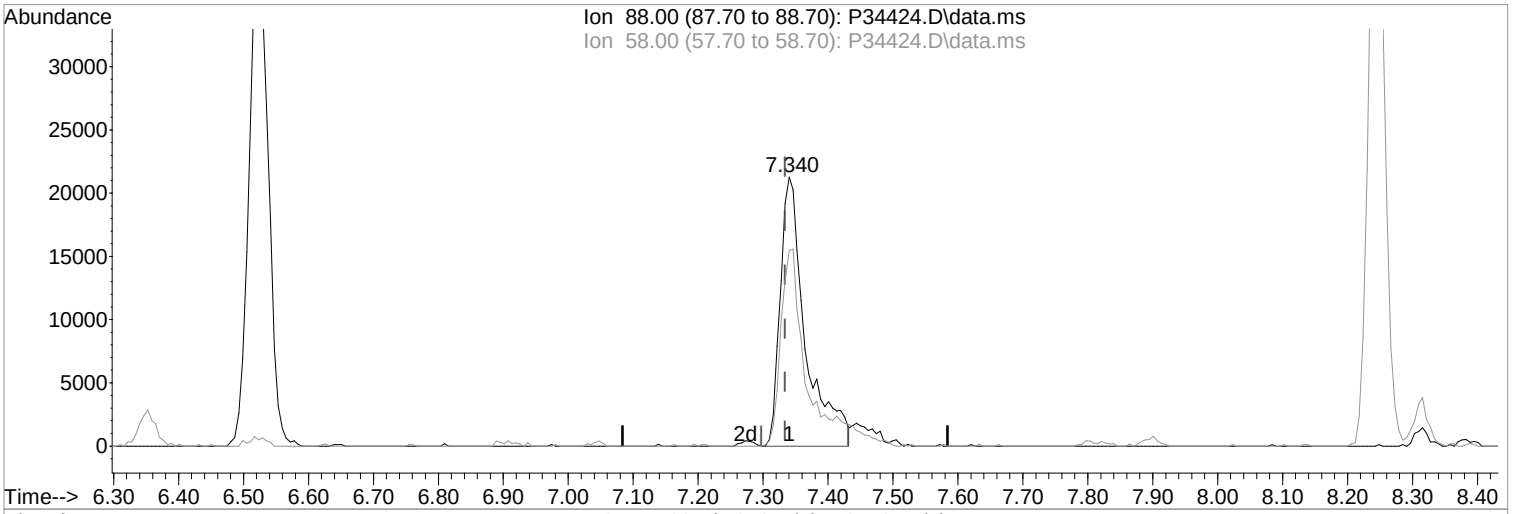
03/30/20

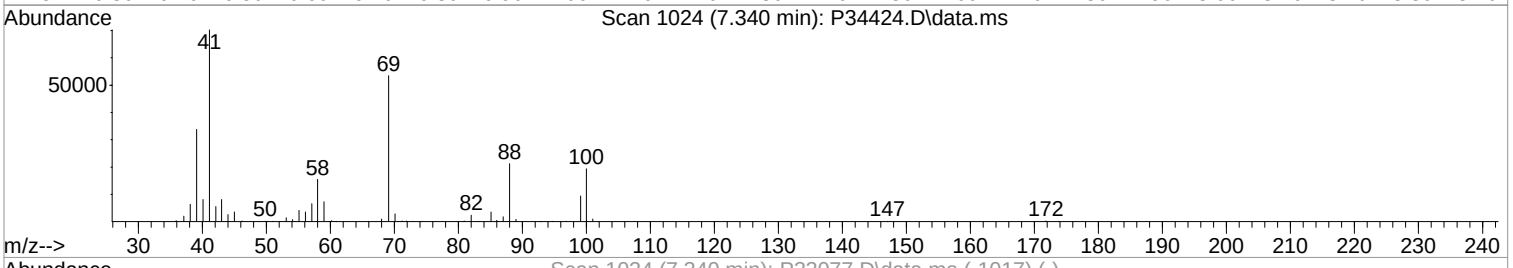
1st 03/30/20
2nd 04/03/20

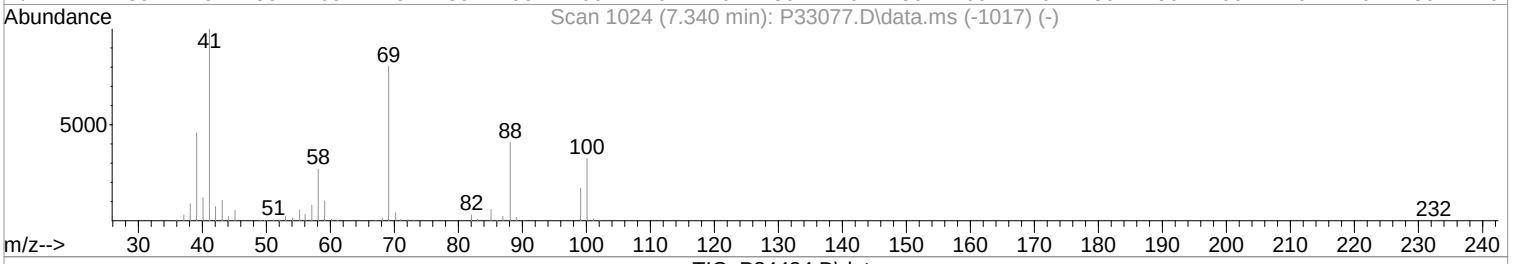
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34424.D\data.ms

(58) 1,4-Dioxane

7.340min (+0.006) 771.38 ppb

response 57640

Ion	Exp%	Act%
88.00	100	100
58.00	65.70	72.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/30/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	103	0.01
2	P	Dichlorodifluoromethane	50.0000	46.0215	8.0	82	0.02
3	P	Chloromethane	50.0000	54.3245	-8.6	99	0.02
4	P	Vinyl Chloride	50.0000	54.6271	-9.3	95	0.02
5	P	Bromomethane	50.0000	39.2705	21.5#	95	0.02
6	P	Chloroethane	50.0000	51.7462	-3.5	98	0.02
7		Freon 21	50.0000	49.9231	0.2	92	0.02
8	P	Trichlorofluoromethane	50.0000	50.2530	-0.5	87	0.01
9		Diethyl Ether	50.0000	49.4955	1.0	95	0.02
10		Freon 123a	50.0000	49.0596	1.9	91	0.02
11		Freon 123	50.0000	45.2246	9.6	85	0.02
12		Acrolein	250.0000	223.3571	10.7	89	0.02
13	P	1,1-Diclethene	50.0000	49.4530	1.1	89	0.02
14	P	Freon 113	50.0000	51.4882	-3.0	91	0.01
15	P	Acetone	50.0000	48.4150	3.2	101	0.02
16		2-Propanol	1000.0000	906.5464	9.3	91	0.02
17		Iodomethane	50.0000	35.9538	28.1#	68	0.02
18	P	Carbon Disulfide	50.0000	48.5993	2.8	92	0.02
19		Acetonitrile	250.0000	184.9116	26.0#	68	0.02
20		Allyl Chloride	50.0000	49.1536	1.7	100	0.01
21	P	Methyl Acetate	50.0000	47.6842	4.6	95	0.02
22	P	Methylene Chloride	50.0000	43.8960	12.2	93	0.02
23		TBA	1000.0000	870.7278	12.9	86	0.02
24		Acrylonitrile	250.0000	253.8949	-1.6	100	0.02
25	P	Methyl-t-Butyl Ether	50.0000	49.5255	0.9	96	0.02
26	P	trans-1,2-Dichloroethene	50.0000	48.7866	2.4	90	0.01
27		Halothane	-1.0000	0.0000	0.0	0	-4.22#
28	P	1,1-Diclethane	50.0000	52.5904	-5.2	97	0.02
29		Vinyl Acetate	50.0000	49.4426	1.1	99	0.02
30		DIPE	50.0000	63.4280	-26.9#	117	0.01
31		2-Chloro-1,3-Butadiene	50.0000	52.4110	-4.8	100	0.02
32		ETBE	50.0000	57.3570	-14.7	110	0.02
33		2,2-Dichloropropane	50.0000	47.3849	5.2	86	0.02
34	P	cis-1,2-Dichloroethene	50.0000	48.0395	3.9	93	0.02
35	P	2-Butanone	50.0000	51.9842	-4.0	108	0.00
36		Propionitrile	250.0000	260.3106	-4.1	99	0.02
37		Bromochloromethane	50.0000	48.3101	3.4	96	0.01
38		Methacrylonitrile	50.0000	46.4680	7.1	93	0.01
39		Tetrahydrofuran	50.0000	51.5328	-3.1	105	0.01
40	P	Chloroform	50.0000	45.3652	9.3	92	0.02
41	P	1,1,1-Trichloroethane	50.0000	46.8847	6.2	87	0.01
42		TAME	50.0000	53.5671	-7.1	102	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	104	0.00
44	P	Cyclohexane	50.0000	46.9958	6.0	92	0.00
45	s	surr4,Dibrflmethane	50.0000	46.8568	6.3	95	0.01
46	P	Carbontetrachloride	50.0000	46.4207	7.2	87	0.01
47		1,1-Dichloropropene	50.0000	51.7062	-3.4	94	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	47.7241	4.6	99	0.01
49	P	Benzene	50.0000	49.2127	1.6	91	0.01
50	P	1,2-Dichloroethane	50.0000	48.4312	3.1	99	0.01
51		Iso-Butyl Alcohol	1000.0000	1008.2209	-0.8	99	0.01

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	55.1553	-10.3	101	0.00
53		1-Butanol	2500.0000	2627.6568	-5.1	99	0.00
54	P	Trichloroethene	50.0000	49.1811	1.6	94	0.00
55	P	Methylcyclohexane	50.0000	47.4262	5.1	91	0.00
56	P	1,2-Diclpropane	50.0000	51.6567	-3.3	99	0.00
57		Dibromomethane	50.0000	47.2429	5.5	93	0.00
58		1,4-Dioxane	1000.0000	834.9343	16.5	84	0.00
59		Methyl Methacrylate	50.0000	48.1187	3.8	95	0.00
60	P	Bromodichloromethane	50.0000	48.3620	3.3	94	0.00
61		2-Nitropropane	100.0000	103.3035	-3.3	110	0.00
62		2-Chloroethylvinyl Ether	50.0000	43.4284	13.1	87	0.00
63	P	cis-1,3-Dichloropropene	50.0000	51.9422	-3.9	95	0.00
64	P	4-Methyl-2-pentanone	50.0000	50.7050	-1.4	101	0.00
65	s	SURR3,Toluene-d8	50.0000	48.7175	2.6	100	0.00
66	P	Toluene	50.0000	49.4777	1.0	93	0.00
67	P	trans-1,3-Dichloropropene	50.0000	50.4686	-0.9	94	0.00
68		Ethyl Methacrylate	50.0000	49.7321	0.5	93	0.00
69	P	1,1,2-Trichloroethane	50.0000	46.5046	7.0	95	0.00
70	s	SURR2,BFB	50.0000	46.3091	7.4	96	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	104	0.00
72	P	Tetrachloroethene	50.0000	49.5021	1.0	94	0.00
73	P	2-Hexanone	50.0000	49.9921	0.0	103	0.00
74		1,3-Dichloropropane	50.0000	49.4829	1.0	98	0.00
75	P	Dibromochloromethane	50.0000	50.7975	-1.6	96	0.00
76		N-Butyl Acetate	50.0000	52.3303	-4.7	100	0.00
77	P	1,2-Dibromoethane	50.0000	46.2746	7.5	90	0.00
78	P	Chlorobenzene	50.0000	50.0280	-0.1	96	0.00
79		3-CBTF	50.0000	51.7764	-3.6	97	0.00
80		4-CBTF	50.0000	50.9739	-1.9	97	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	49.1906	1.6	92	0.00
82	P	Ethylbenzene	50.0000	49.3983	1.2	95	0.00
83	P	(m+p)Xylene	100.0000	101.3280	-1.3	92	0.00
84	P	o-Xylene	50.0000	49.4764	1.0	92	0.00
85	P	Styrene	50.0000	50.2027	-0.4	91	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	108	0.00
87	P	Bromoform	50.0000	49.9559	0.1	98	0.00
88		2-CBTF	50.0000	49.3465	1.3	96	0.00
89	P	Isopropylbenzene	50.0000	51.2180	-2.4	91	0.00
90		Cyclohexanone	1000.0000	866.2897	13.4	84	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	48.8238	2.4	89	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	48.2870	3.4	94	0.00
93		Bromobenzene	50.0000	47.2562	5.5	93	0.00
94		1,2,3-Trichloropropane	50.0000	47.0030	6.0	91	0.00
95		n-Propylbenzene	50.0000	49.7093	0.6	90	0.00
96		2-Chlorotoluene	50.0000	48.7552	2.5	91	0.00
97		3-Chlorotoluene	50.0000	50.8610	-1.7	96	0.00
98		4-Chlorotoluene	50.0000	49.0834	1.8	92	0.00
99		1,3,5-Trimethylbenzene	50.0000	51.2086	-2.4	93	0.00
100		tert-Butylbenzene	50.0000	48.2991	3.4	91	0.00
101		1,2,4-Trimethylbenzene	50.0000	49.0099	2.0	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	48.9930	2.0	96	0.00
103		sec-Butylbenzene	50.0000	50.3592	-0.7	92	0.00
104		p-Isopropyltoluene	50.0000	50.9993	-2.0	93	0.00
105	P	1,3-Dclbenz	50.0000	48.5424	2.9	93	0.00
106	P	1,4-Dclbenz	50.0000	47.3686	5.3	93	0.00
107		2,4-DCBTF	50.0000	48.6113	2.8	94	0.00
108		2,5-DCBTF	50.0000	48.7872	2.4	96	0.00
109		n-Butylbenzene	50.0000	51.5698	-3.1	94	0.00
110	P	1,2-Dclbenz	50.0000	47.1254	5.7	92	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	46.6124	6.8	90	0.00
112		Trielution Dichlorotoluene	150.0000	156.3452	-4.2	96	0.00
113		1,3,5 Trichlorobenzene	50.0000	49.3372	1.3	95	0.00
114		Coelution Dichlorotoluene	100.0000	104.8742	-4.9	96	0.00
115	P	1,2,4-Tcbenzene	50.0000	49.6208	0.8	99	0.00
116		Hexachlorobt	50.0000	48.6101	2.8	90	0.00
117		Naphthalen	50.0000	52.3461	-4.7	94	0.00
118		1,2,3-Tclbenzene	50.0000	49.7720	0.5	96	0.00
119		2,4,5-Trichlorotolene	50.0000	51.8293	-3.7	96	0.00
120		2,3,6-Trichlorotoluene	50.0000	48.2351	3.5	91	0.00

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

Quantitation Report (QT Reviewed)

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QLast Update : Wed Jan 22 11:26:04 2020
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	359924	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.523	114	544786	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	491637	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	273724	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	134826	46.86	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.72%				
48) surr1,1,2-dichloroetha...	5.853	65	166542	47.72	ppb		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 95.44%				
65) SURR3,Toluene-d8	8.315	98	654409	48.72	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.44%				
70) SURR2,BFB	10.864	95	240189	46.31	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.62%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.207	85	184678	46.02	ppb		98
3) Chloromethane	1.335	50	238584	54.32	ppb		99
4) Vinyl Chloride	1.408	62	249277	54.63	ppb		100
5) Bromomethane	1.640	94	137462	39.27	ppb		98
6) Chloroethane	1.719	64	147042	51.75	ppb		97
7) Freon 21	1.872	67	254524	49.92	ppb		99
8) Trichlorofluoromethane	1.908	101	203579	50.25	ppb		96
9) Diethyl Ether	2.152	59	156379	49.50	ppb		97
10) Freon 123a	2.158	67	161271	49.06	ppb		96
11) Freon 123	2.213	83	181566	45.22	ppb		99
12) Acrolein	2.268	56	207480	223.36	ppb		93
13) 1,1-Diclethene	2.341	96	138909	49.45	ppb		95
14) Freon 113	2.335	101	136075	51.49	ppb		92
15) Acetone	2.408	43	73272	48.42	ppb		94
16) 2-Propanol	2.542	45	276666	906.55	ppb		96
17) Iodomethane	2.475	142	154348	35.95	ppb		99
18) Carbon Disulfide	2.530	76	416872	48.60	ppb		98
19) Acetonitrile	2.670	40	46354m	184.91	ppb		
20) Allyl Chloride	2.676	76	79947	49.15	ppb	#	91
21) Methyl Acetate	2.713	43	166031	47.68	ppb		96
22) Methylene Chloride	2.804	84	159798	43.90	ppb		96
23) TBA	2.951	59	432331	870.73	ppb		97
24) Acrylonitrile	3.085	53	470723	253.89	ppb		98
25) Methyl-t-Butyl Ether	3.097	73	544698	49.53	ppb		98
26) trans-1,2-Dichloroethene	3.085	96	151604	48.79	ppb		91
28) 1,1-Diclethane	3.597	63	283395	52.59	ppb		99
29) Vinyl Acetate	3.694	86	37966	49.44	ppb	#	69
30) DIPE	3.700	45	584580	63.43	ppb		93
31) 2-Chloro-1,3-Butadiene	3.713	53	258481	52.41	ppb		96
32) ETBE	4.237	59	535874	57.36	ppb		98
33) 2,2-Dichloropropane	4.432	77	197907	47.38	ppb		96
34) cis-1,2-Dichloroethene	4.450	96	173626	48.04	ppb		95
35) 2-Butanone	4.517	43	115468	51.98	ppb		92
36) Propionitrile	4.639	54	193186	260.31	ppb		98
37) Bromochloromethane	4.853	130	106517	48.31	ppb	#	87
38) Methacrylonitrile	4.889	67	94512	46.47	ppb		92
39) Tetrahydrofuran	4.956	42	79243	51.53	ppb		90
40) Chloroform	5.036	83	249954	45.37	ppb		99
41) 1,1,1-Trichloroethane	5.304	97	200493	46.88	ppb		96

Quantitation Report (QT Reviewed)

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Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.133	73	527702	53.57	ppb		97
44) Cyclohexane	5.359	41	141880	47.00	ppb		95
46) Carbontetrachloride	5.560	117	143746	46.42	ppb		98
47) 1,1-Dichloropropene	5.584	75	210203	51.71	ppb		99
49) Benzene	5.907	78	663273	49.21	ppb		99
50) 1,2-Dichloroethane	5.968	62	210482	48.43	ppb		98
51) Iso-Butyl Alcohol	5.962	43	196365	1008.22	ppb		100
52) n-Heptane	6.352	43	232564	55.16	ppb		94
53) 1-Butanol	6.901	56	310142	2627.66	ppb		94
54) Trichloroethene	6.834	130	168561	49.18	ppb		97
55) Methylcyclohexane	7.047	55	210890	47.43	ppb		94
56) 1,2-Diclpropane	7.133	63	175910	51.66	ppb		96
57) Dibromomethane	7.273	93	94706	47.24	ppb		93
58) 1,4-Dioxane	7.340	88	62389m	834.93	ppb		
59) Methyl Methacrylate	7.352	69	152728	48.12	ppb		98
60) Bromodichloromethane	7.499	83	178860	48.36	ppb		98
61) 2-Nitropropane	7.803	41	41427	103.30	ppb		89
62) 2-Chloroethylvinyl Ether	7.901	63	90301	43.43	ppb		96
63) cis-1,3-Dichloropropene	8.029	75	260201	51.94	ppb		97
64) 4-Methyl-2-pentanone	8.242	43	220093	50.70	ppb		98
66) Toluene	8.389	91	724981	49.48	ppb		97
67) trans-1,3-Dichloropropene	8.669	75	228750	50.47	ppb		95
68) Ethyl Methacrylate	8.797	69	258377	49.73	ppb		98
69) 1,1,2-Trichloroethane	8.858	97	161842	46.50	ppb		97
72) Tetrachloroethene	8.968	164	135679	49.50	ppb		97
73) 2-Hexanone	9.145	43	160464	49.99	ppb		94
74) 1,3-Dichloropropane	9.023	76	292188	49.48	ppb		97
75) Dibromochloromethane	9.248	129	136453	50.80	ppb		94
76) N-Butyl Acetate	9.291	43	305690	52.33	ppb		97
77) 1,2-Dibromoethane	9.340	107	154599	46.27	ppb		97
78) Chlorobenzene	9.821	112	480575	50.03	ppb		96
79) 3-CBTF	9.840	180	286418	51.78	ppb		97
80) 4-CBTF	9.894	180	259538	50.97	ppb		98
81) 1,1,1,2-Tetrachloroethane	9.913	131	141590	49.19	ppb		93
82) Ethylbenzene	9.937	106	262103	49.40	ppb		95
83) (m+p)Xylene	10.047	106	640065	101.33	ppb		100
84) o-Xylene	10.407	106	314282	49.48	ppb		99
85) Styrene	10.419	104	546944	50.20	ppb		100
87) Bromoform	10.583	173	85565	49.96	ppb		99
88) 2-CBTF	10.656	180	274233	49.35	ppb		99
89) Isopropylbenzene	10.736	105	814941	51.22	ppb		98
90) Cyclohexanone	10.821	55	741076	866.29	ppb		96
91) trans-1,4-Dichloro-2-B...	11.059	53	52228	48.82	ppb		85
92) 1,1,2,2-Tetrachloroethane	11.010	83	229730	48.29	ppb		100
93) Bromobenzene	10.986	156	202551	47.26	ppb		99
94) 1,2,3-Trichloropropane	11.041	110	74805	47.00	ppb	#	82
95) n-Propylbenzene	11.089	91	938309	49.71	ppb		98
96) 2-Chlorotoluene	11.156	91	567535	48.76	ppb		98
97) 3-Chlorotoluene	11.211	91	618217	50.86	ppb		100
98) 4-Chlorotoluene	11.248	91	626377	49.08	ppb		97
99) 1,3,5-Trimethylbenzene	11.242	105	686001	51.21	ppb		100
100) tert-Butylbenzene	11.510	119	586836	48.30	ppb		100
101) 1,2,4-Trimethylbenzene	11.553	105	688234	49.01	ppb		100
102) 3,4-DCBTF	11.614	214	233327	48.99	ppb		100
103) sec-Butylbenzene	11.693	105	865988	50.36	ppb		99
104) p-Isopropyltoluene	11.815	119	760647	51.00	ppb		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	403360	48.54	ppb	97
106) 1,4-Dclbenz	11.851	146	408033	47.37	ppb	100
107) 2,4-DCBTF	11.906	214	214634	48.61	ppb	98
108) 2,5-DCBTF	11.943	214	238257	48.79	ppb	97
109) n-Butylbenzene	12.144	91	687718	51.57	ppb	99
110) 1,2-Dclbenz	12.156	146	399411	47.13	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.784	157	52733	46.61	ppb	92
112) Trielution Dichlorotol...	12.894	125	1142690	156.35	ppb	96
113) 1,3,5 Trichlorobenzene	12.943	180	332966	49.34	ppb	97
114) Coelution Dichlorotoluene	13.223	125	839922	104.87	ppb	97
115) 1,2,4-Tcbenzene	13.430	180	324102	49.62	ppb	99
116) Hexachlorobt	13.558	225	127296	48.61	ppb	96
117) Naphthalen	13.619	128	950274	52.35	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	320345	49.77	ppb	100
119) 2,4,5-Trichlorotolene	14.387	159	237127	51.83	ppb	99
120) 2,3,6-Trichlorotoluene	14.473	159	206145	48.24	ppb	97

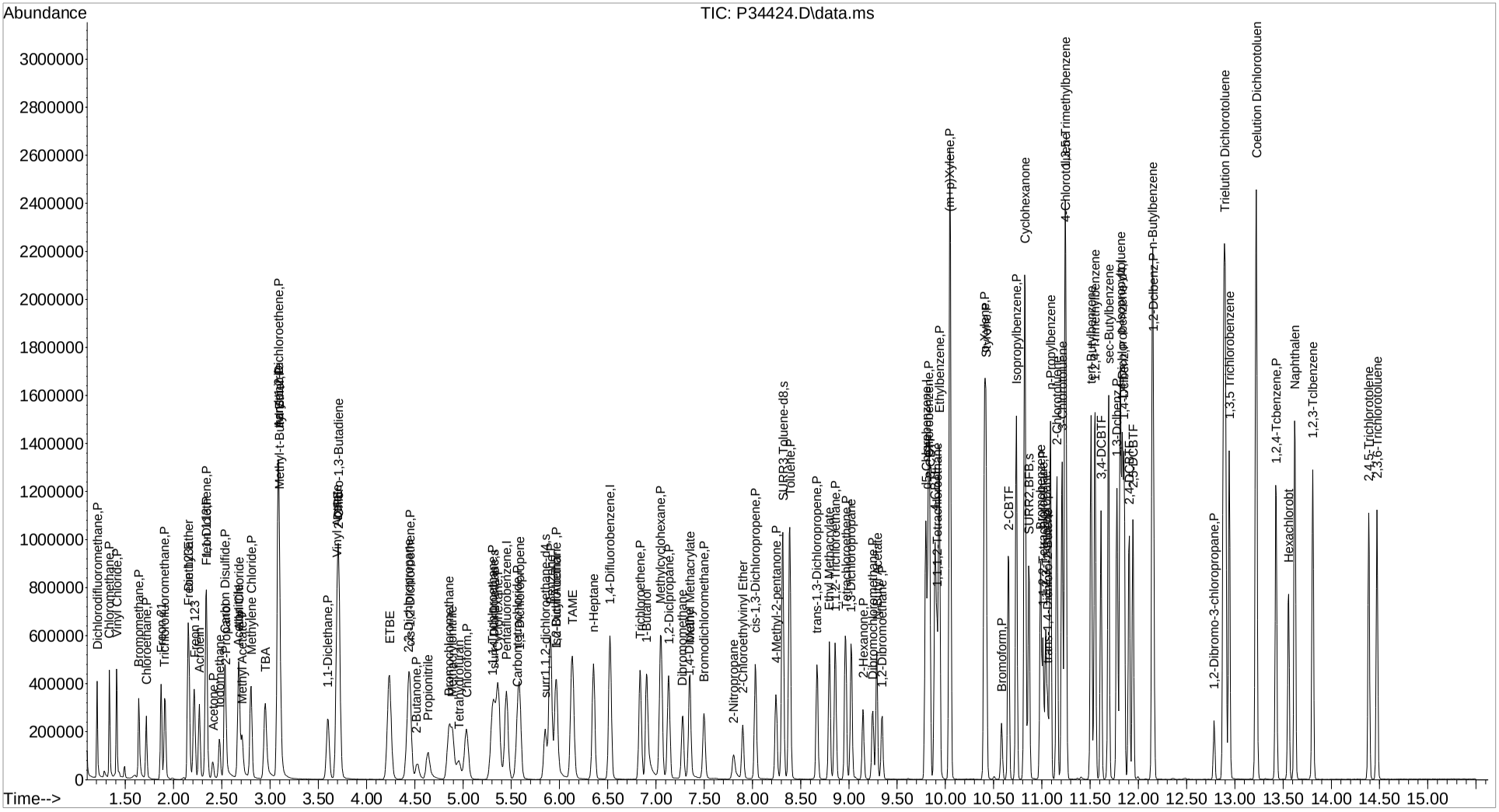
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

1st 03/30/20
2nd 04/03/20

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

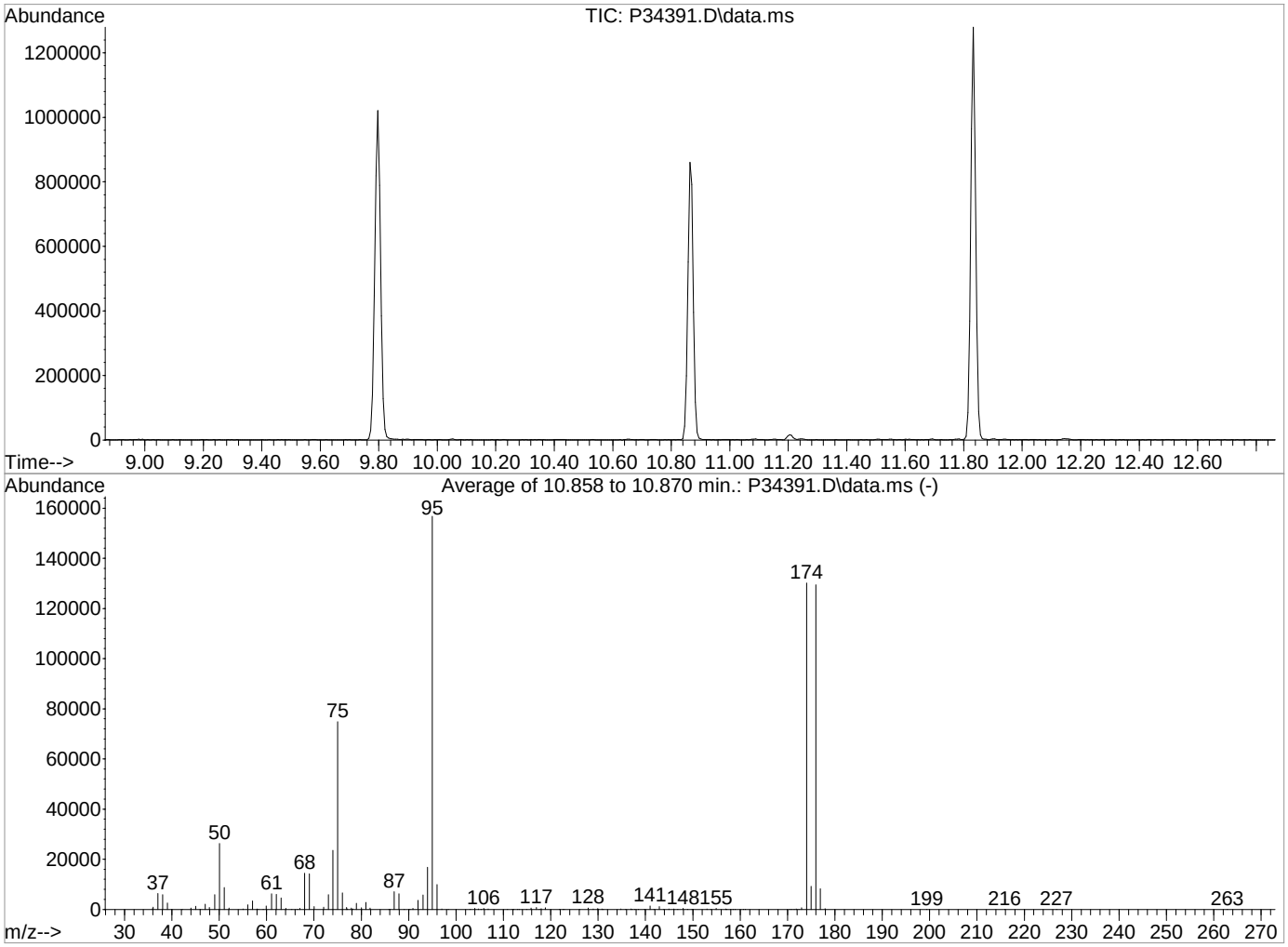


1st 03/27/20
2nd 04/02/20

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34391.D
Acq On : 27 Mar 2020 11:50 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\W012120.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Wed Jan 22 11:26:04 2020



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1594

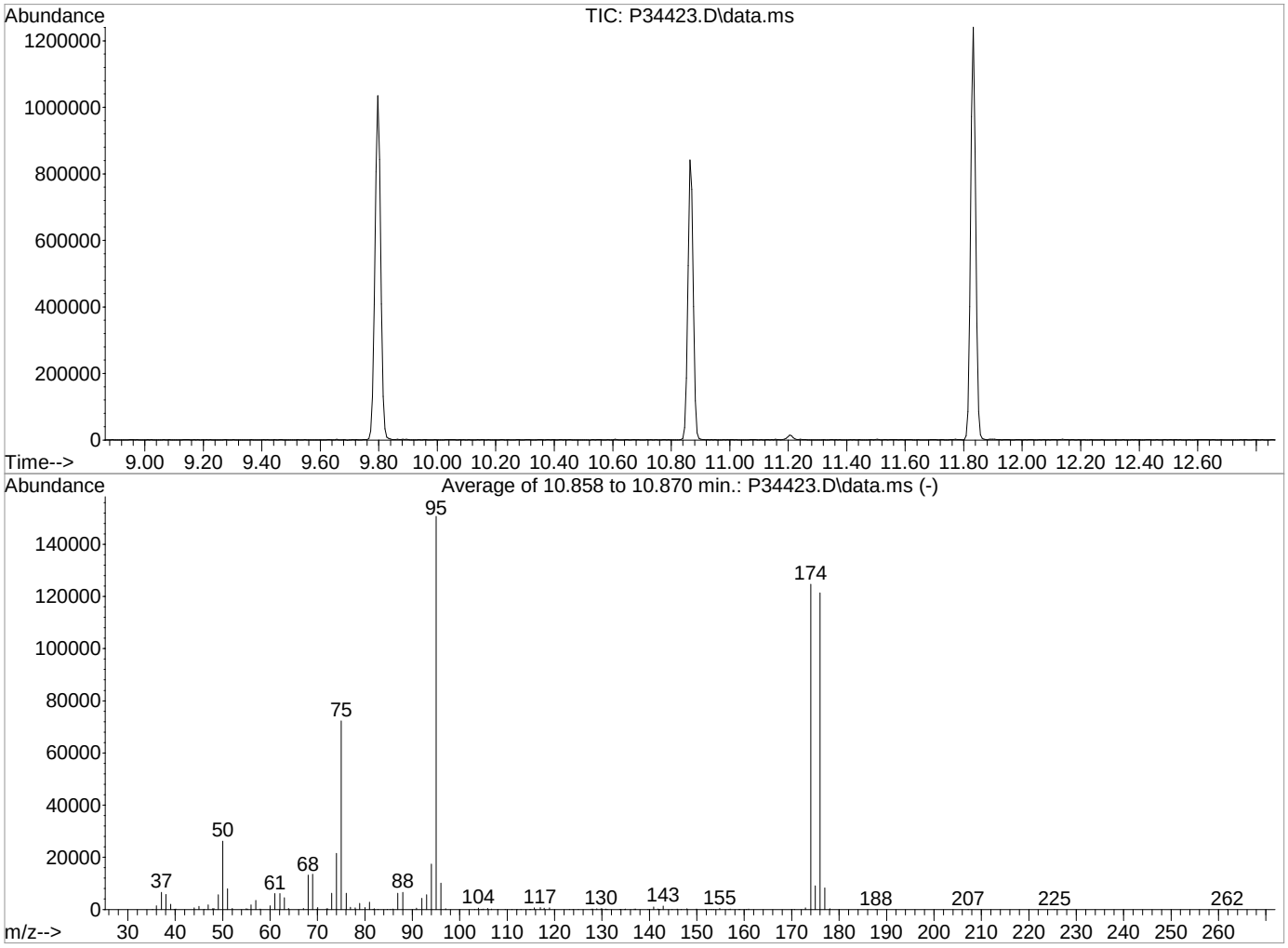
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	26349	PASS
75	95	30	60	47.7	74824	PASS
95	95	100	100	100.0	156811	PASS
96	95	5	9	6.3	9927	PASS
173	174	0.00	2	0.5	627	PASS
174	95	50	120	83.0	130165	PASS
175	174	5	9	7.1	9236	PASS
176	174	95	101	99.4	129411	PASS
177	176	5	9	6.4	8285	PASS

1st 03/30/20
2nd 04/03/20

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34423.D
Acq On : 30 Mar 2020 10:25 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\W012120.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Wed Jan 22 11:26:04 2020



AutoFind: Scans 1601, 1602, 1603; 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	26232	PASS
75	95	30	60	48.0	72304	PASS
95	95	100	100	100.0	150765	PASS
96	95	5	9	6.7	10161	PASS
173	174	0.00	2	0.5	658	PASS
174	95	50	120	82.7	124661	PASS
175	174	5	9	7.3	9048	PASS
176	174	95	101	97.4	121427	PASS
177	176	5	9	6.8	8229	PASS

Analysis: 8260 | 624 waters Analyst: Y. Perez pH strips: N/A Tune Method: W012120

Date: 1/21/2020 Balance ID: N/A ResCl strips: N/A Run Method: ↓

Instr. 12 50 mL Class A used for dilution FV Syringes: 205000 + 202106 LIMS Run#: - ICAL -

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./			RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK									P33064		P33065
2	↓									P33065		P33066
2	spent SD									P33066		P33067
3	test SD - new stds							VP		P33067		P33068
4	BLK									P33068		P33069
1	TUNE									P33069	YT	P33070 (auto) 12:27
2	1 BLK	5ppm	500ppm	Atomy 5uSD	FV					P33070	YB	P33071
3	0.5ppb	5uL	—	—	50mLs					P33072	Y	
4	1.0	10uL	—	—						P33073	Y	
5	2.0	20uL	—	—						P33074	Y	
6	5.0	50uL	—	1uL						P33075	Y	
7	20	—	2uL	2uL						P33076	Y	
8	50	—	5uL	5uL						P33077	Y	
9	100		10uL	10uL						P33078	Y	
10	150		15uL	20uL						P33079	Y	
11	200		20uL	—						P33080	Y	
12	BLK									P33081	—	
13	↓									P33082	—	
14										P33083	—	
15	ICV 50									P33084	N	Acrolein ↓ iodo ↓ rpt
16	BLK									P33085	—	

EOD 1/22/2020

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr

500 ↓ Primary Oct+ : 205302
Primary Ft+ : 205781 | 10uL → 1.0mL MeOH = 5ppm
Primary TG : 206302
Primary HSL : 206303
Primary :

200 Secondary Ft+ : 206211 - 12.5uL
500 ↓ Secondary Oct+ : 205737
Secondary TG : 205884 | 5uL
Secondary HSL : 205783
Secondary : } 50mLs = ICV 50

Surrogate 50 : 206067
Internal Std 50 : 206068
Reagents:

Runlog-MSVOAr4 1/17/17

Analysis: 8260 / 624 Waters Analyst: Quest pH strips: _____ Tune Method: W012120

Date: 1/22/2020 Balance ID: N/A ResCl strips: _____ Run Method: ↓

Instr. 12 50 mL Class A used for dilution FV Syringes: 205000 + 202106 LIMS Run# : _____

Data Path: j:\acqudata\msvoa(instID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							P33086		
2	↓							P33087		
3	TUNE							P33088	@	wrong spike atomx
1	↓							P33089	YT	(amt)
1	CCV							P33090	YC	
1	ICV/LCS (ump)							P33091	YQ	
2	LCS · FP							P33092	YQ	
3	BLK							P33093	@	rpt c/o
4	MBLK · ump							P33094	YB	
5	MBLK · FP		(KR)					P33095	YB	
1	R2000507 · 001	1.0	PE . 5ml/~~500~~ 100mls DI	19393				P33096	Y	
2	BLK							P33097	—	
3	R2000578 · 001	1.0	PE · 20mL / 100mls DI	16207				P33098		(F113+cyclohex. only)
4	BLK							P33099	—	
5	R2000514 · 011	1.0		98893	2	2	5	P33100		
6	012	1.0				2	7	P33101		
7	013	1.0				2	7	P33102		
8	022	1.0				2	7	P33103		

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr : _____

Surrogate 5D : 2060067

Internal Std 5D : 2060068

Reagents: _____

500 Primary Oct : 205302

Primary Ft : 205781 | 5ml → 50mls

Primary Tb : 206302 | = CCV

Primary HxL : 206303

Primary _____

200 Secondary Ft : 206211 - 12.5ml

500 Secondary Oct : 205737

Secondary Tb : 205884 | 5ml → 50mls = ICV/LCS 5D

Secondary HxL : 206368

Secondary _____

Runlog-MSVOAr4 1/17/17

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 1/21/20 12:27

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA12\DATA\012120\P33070.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	16.9	28525	PASS
75	95	30	60	46.5	78400	PASS
95	95	100	100	100.0	168469	PASS
96	95	5	9	6.8	11420	PASS
173	174	0	2	0.6	802	PASS
174	95	50	120	81.4	137080	PASS
175	174	5	9	7.4	10141	PASS
176	174	95	101	100.0	137101	PASS
177	176	5	9	6.5	8852	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
IBLK	IBLK	I:\ACQUDATA\msvoa12\Data\012120\P33071.D	1/21/20 12:48	
0.5ppb	0.5ppb	I:\ACQUDATA\MSVOA12\DATA\012120\P33072.D	1/21/20 13:10	
1.0ppb	1.0ppb	I:\ACQUDATA\MSVOA12\DATA\012120\P33073.D	1/21/20 13:32	
2.0ppb	2.0ppb	I:\ACQUDATA\MSVOA12\DATA\012120\P33074.D	1/21/20 13:53	
5.0ppb	5.0ppb	I:\ACQUDATA\msvoa12\Data\012120\P33075.D	1/21/20 14:15	
20ppb	20ppb	I:\ACQUDATA\MSVOA12\DATA\012120\P33076.D	1/21/20 14:37	
50ppb	50ppb	I:\ACQUDATA\msvoa12\Data\012120\P33077.D	1/21/20 14:58	
100ppb	100ppb	I:\ACQUDATA\msvoa12\Data\012120\P33078.D	1/21/20 15:20	
150ppb	150ppb	I:\ACQUDATA\msvoa12\Data\012120\P33079.D	1/21/20 15:42	
200ppb	200ppb	I:\ACQUDATA\msvoa12\Data\012120\P33080.D	1/21/20 16:04	

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 1/22/20 10:48

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA12\DATA\012220\P33089.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	16.8	27280	PASS
75	95	30	60	45.1	73387	PASS
95	95	100	100	100.0	162667	PASS
96	95	5	9	6.7	10957	PASS
173	174	0	2	0.6	779	PASS
174	95	50	120	83.2	135357	PASS
175	174	5	9	6.9	9330	PASS
176	174	95	101	95.1	128717	PASS
177	176	5	9	6.4	8295	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
CCV	CCV	I:\ACQUDATA\msvoa12\Data\012220\P33090.D	1/22/20 11:20	
ICV/LCS 50	ICV/LCS 50	I:\ACQUDATA\msvoa12\Data\012220\P33091.D	1/22/20 11:47	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33080.D
Acq On : 21 Jan 2020 4:04 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 10:57:59 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	348976	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	533075	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	483867	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	285360	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.322	113	136258	48.39	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.78%			
48) surr1,1,2-dichloroetha...	5.853	65	165285	48.40	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.80%			
65) SURR3,Toluene-d8	8.316	98	640650	48.74	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.48%			
70) SURR2,BFB	10.864	95	249530	49.17	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.201	85	736640	189.37	ppb	99
3) Chloromethane	1.329	50	805002	189.05	ppb	99
4) Vinyl Chloride	1.402	62	859788	194.33	ppb	99
5) Bromomethane	1.628	94	485038	142.91	ppb	96
6) Chloroethane	1.701	64	500892	181.80	ppb	96
7) Freon 21	1.866	67	916086	185.53	ppb	96
8) Trichlorofluoromethane	1.902	101	754046	191.97	ppb	97
9) Diethyl Ether	2.146	59	570502	186.23	ppb	99
10) Freon 123a	2.152	67	594021	186.45	ppb	100
11) Freon 123	2.207	83	715335	183.77	ppb	98
12) Acrolein	2.262	56	897671	996.68	ppb	95
13) 1,1-Diclethene	2.329	96	514607	188.95	ppb	98
14) Freon 113	2.329	101	478217	186.62	ppb	96
15) Acetone	2.402	43	264147	180.01	ppb	97
16) 2-Propanol	2.542	45	1337135	4683.08	ppb	97
17) Iodomethane	2.469	142	812467	237.06	ppb	100
18) Carbon Disulfide	2.524	76	1503970	180.83	ppb	99
19) Acetonitrile	2.670	40	240522m	1089.86	ppb	
20) Allyl Chloride	2.670	76	303417	192.40	ppb	98
21) Methyl Acetate	2.707	43	656372	194.42	ppb	99
22) Methylene Chloride	2.798	84	581544	164.76	ppb	99
23) TBA	2.951	59	2159460	4485.66	ppb	99
24) Acrylonitrile	3.079	53	1705327	948.66	ppb	98
25) Methyl-t-Butyl Ether	3.091	73	2008934	188.39	ppb	98
26) trans-1,2-Dichloroethene	3.085	96	567127	188.23	ppb	96
28) 1,1-Diclethane	3.591	63	994867	190.41	ppb	99
29) Vinyl Acetate	3.694	86	157746	211.88	ppb #	94
30) DIPE	3.701	45	1708600	191.20	ppb	92
31) 2-Chloro-1,3-Butadiene	3.707	53	869131	182.00	ppb	100
32) ETBE	4.231	59	1749577	193.14	ppb	97
33) 2,2-Dichloropropane	4.426	77	825490	203.85	ppb	98
34) cis-1,2-Dichloroethene	4.444	96	650069	185.51	ppb	98
35) 2-Butanone	4.524	43	414363	192.40	ppb	98
36) Propionitrile	4.633	54	715784	994.75	ppb	98
37) Bromochloromethane	4.853	130	384532	179.87	ppb	91
38) Methacrylonitrile	4.889	67	364210	184.69	ppb	97
39) Tetrahydrofuran	4.944	42	286447	192.12	ppb	92
40) Chloroform	5.030	83	934044	174.84	ppb	98
41) 1,1,1-Trichloroethane	5.298	97	789134	190.33	ppb	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33080.D
Acq On : 21 Jan 2020 4:04 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 10:57:59 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	TAME	6.133	73	1866287	195.40	ppb		98
44)	Cyclohexane	5.359	41	519798	175.96	ppb		100
46)	Carbontetrachloride	5.560	117	615638	204.71	ppb		98
47)	1,1-Dichloropropene	5.584	75	730934	183.75	ppb		95
49)	Benzene	5.901	78	2395703	181.66	ppb		99
50)	1,2-Dichloroethane	5.968	62	758005	178.25	ppb		99
51)	Iso-Butyl Alcohol	5.968	43	974699	5047.05	ppb		95
52)	n-Heptane	6.352	43	734299	177.97	ppb		96
53)	1-Butanol	6.913	56	1588021	13642.50	ppb		99
54)	Trichloroethene	6.834	130	603455	179.94	ppb		99
55)	Methylcyclohexane	7.047	55	778123	178.83	ppb		98
56)	1,2-Diclpropane	7.133	63	619940	186.05	ppb		98
57)	Dibromomethane	7.273	93	371701	189.49	ppb		98
58)	1,4-Dioxane	7.340	88	281060	3840.98	ppb		93
59)	Methyl Methacrylate	7.352	69	612429	197.19	ppb		98
60)	Bromodichloromethane	7.499	83	718040	198.42	ppb		99
61)	2-Nitropropane	7.803	41	192602	490.91	ppb		97
62)	2-Chloroethylvinyl Ether	7.901	63	430157	212.51	ppb		96
63)	cis-1,3-Dichloropropene	8.029	75	1012929	206.65	ppb		99
64)	4-Methyl-2-pentanone	8.242	43	835569	196.73	ppb		97
66)	Toluene	8.389	91	2497548	174.19	ppb		93
67)	trans-1,3-Dichloropropene	8.669	75	944738	213.01	ppb		99
68)	Ethyl Methacrylate	8.797	69	1090061	214.42	ppb		99
69)	1,1,2-Trichloroethane	8.858	97	618761	181.70	ppb		97
72)	Tetrachloroethene	8.968	164	489221	181.36	ppb		96
73)	2-Hexanone	9.145	43	628892	199.08	ppb		95
74)	1,3-Dichloropropane	9.023	76	1063838	183.06	ppb		99
75)	Dibromochloromethane	9.248	129	583691	220.78	ppb		90
76)	N-Butyl Acetate	9.285	43	1219046	212.03	ppb		96
77)	1,2-Dibromoethane	9.346	107	629421	191.42	ppb		99
78)	Chlorobenzene	9.821	112	1671884	176.84	ppb		97
79)	3-CBTF	9.840	180	1015095	186.45	ppb		95
80)	4-CBTF	9.894	180	916633	182.92	ppb		97
81)	1,1,1,2-Tetrachloroethane	9.913	131	597087	210.77	ppb		98
82)	Ethylbenzene	9.937	106	941689	180.33	ppb	#	72
83)	(m+p)Xylene	10.047	106	2218666	356.87	ppb	#	73
84)	o-Xylene	10.407	106	1166416	186.57	ppb		87
85)	Styrene	10.425	104	1990269	185.62	ppb		98
87)	Bromoform	10.583	173	423665	237.26	ppb		99
88)	2-CBTF	10.657	180	1019319	175.94	ppb		98
89)	Isopropylbenzene	10.736	105	2694624	162.45	ppb		87
90)	Cyclohexanone	10.827	55	3082149	3470.14	ppb		88
91)	trans-1,4-Dichloro-2-B...	11.059	53	263847	236.59	ppb		98
92)	1,1,2,2-Tetrachloroethane	11.016	83	955568	192.66	ppb		99
93)	Bromobenzene	10.986	156	785724	175.84	ppb		99
94)	1,2,3-Trichloropropane	11.041	110	300215	180.95	ppb		89
95)	n-Propylbenzene	11.089	91	2979219	151.40	ppb		84
96)	2-Chlorotoluene	11.156	91	2033086	167.53	ppb		94
97)	3-Chlorotoluene	11.211	91	2173599	171.53	ppb	#	94
98)	4-Chlorotoluene	11.248	91	2247859	168.96	ppb		93
99)	1,3,5-Trimethylbenzene	11.242	105	2343856	167.83	ppb		91
100)	tert-Butylbenzene	11.510	119	2073478	163.70	ppb		95
101)	1,2,4-Trimethylbenzene	11.553	105	2375245	162.25	ppb		88
102)	3,4-DCBTF	11.614	214	903862	182.05	ppb		98
103)	sec-Butylbenzene	11.693	105	2771098	154.57	ppb		88
104)	p-Isopropyltoluene	11.815	119	2501122	160.86	ppb		85

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33080.D
Acq On : 21 Jan 2020 4:04 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 10:57:59 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

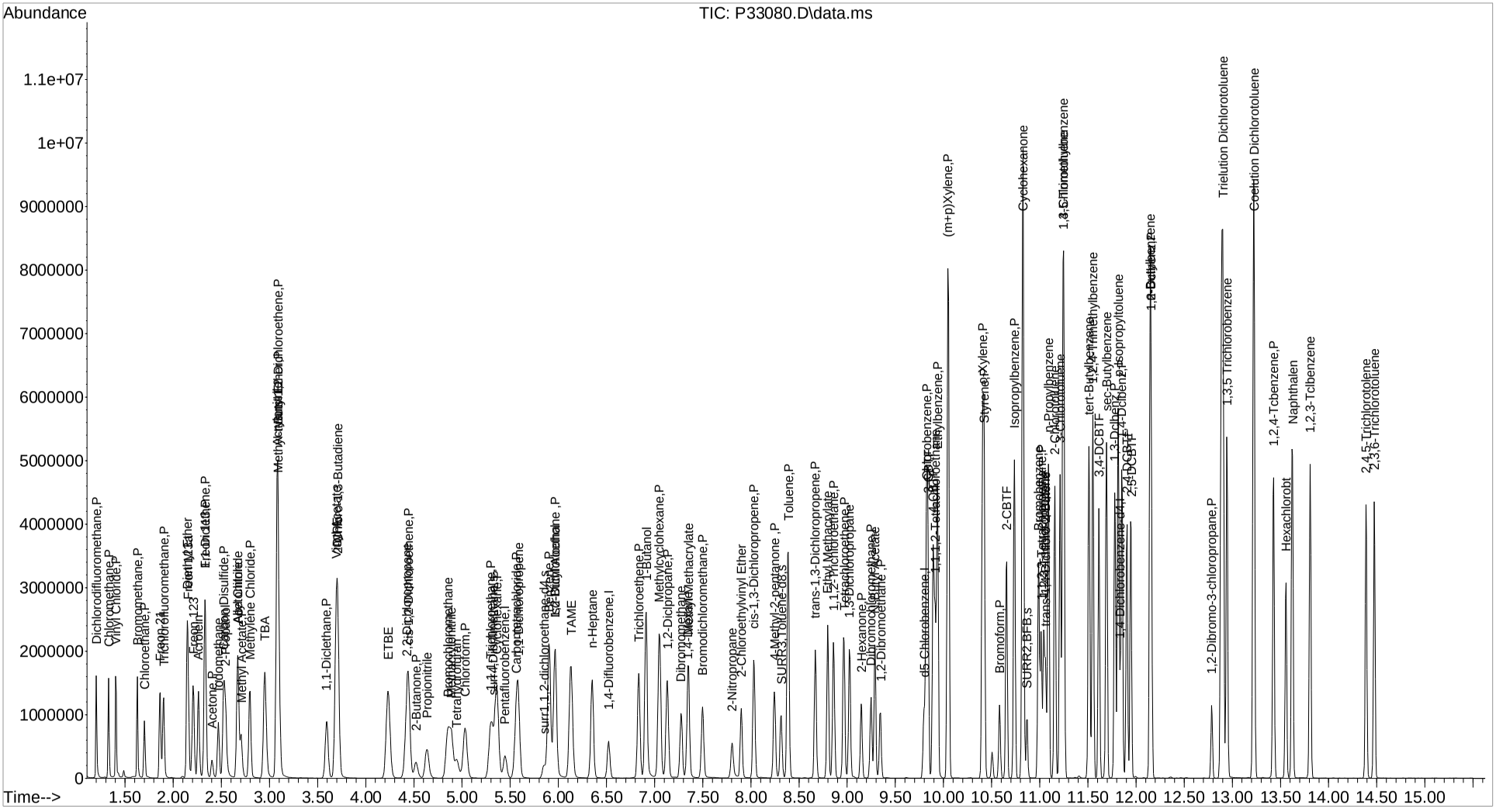
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,3-Dclbenz	11.778	146	1515613	174.96	ppb		96
106) 1,4-Dclbenz	11.851	146	1542500	171.77	ppb		96
107) 2,4-DCBTF	11.906	214	839688	182.43	ppb		99
108) 2,5-DCBTF	11.949	214	939904	184.61	ppb		97
109) n-Butylbenzene	12.144	91	2355840	169.45	ppb		89
110) 1,2-Dclbenz	12.156	146	1543311	174.67	ppb		97
111) 1,2-Dibromo-3-chloropr...	12.784	157	265555	225.16	ppb		93
112) Trielution Dichlorotol...	12.900	125	4092902	537.16	ppb		90
113) 1,3,5 Trichlorobenzene	12.943	180	1315225	186.94	ppb		98
114) Coelution Dichlorotoluene	13.223	125	2947650	353.04	ppb	#	87
115) 1,2,4-Tcbenzene	13.430	180	1212738	178.10	ppb		99
116) Hexachlorobt	13.558	225	491453	180.02	ppb		99
117) Naphthalen	13.625	128	3141106	165.97	ppb		91
118) 1,2,3-Tclbenzene	13.808	180	1211577	180.57	ppb		99
119) 2,4,5-Trichlorotolene	14.387	159	938840	196.84	ppb		99
120) 2,3,6-Trichlorotoluene	14.473	159	844254	189.49	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33080.D
Acq On : 21 Jan 2020 4:04 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 10:57:59 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

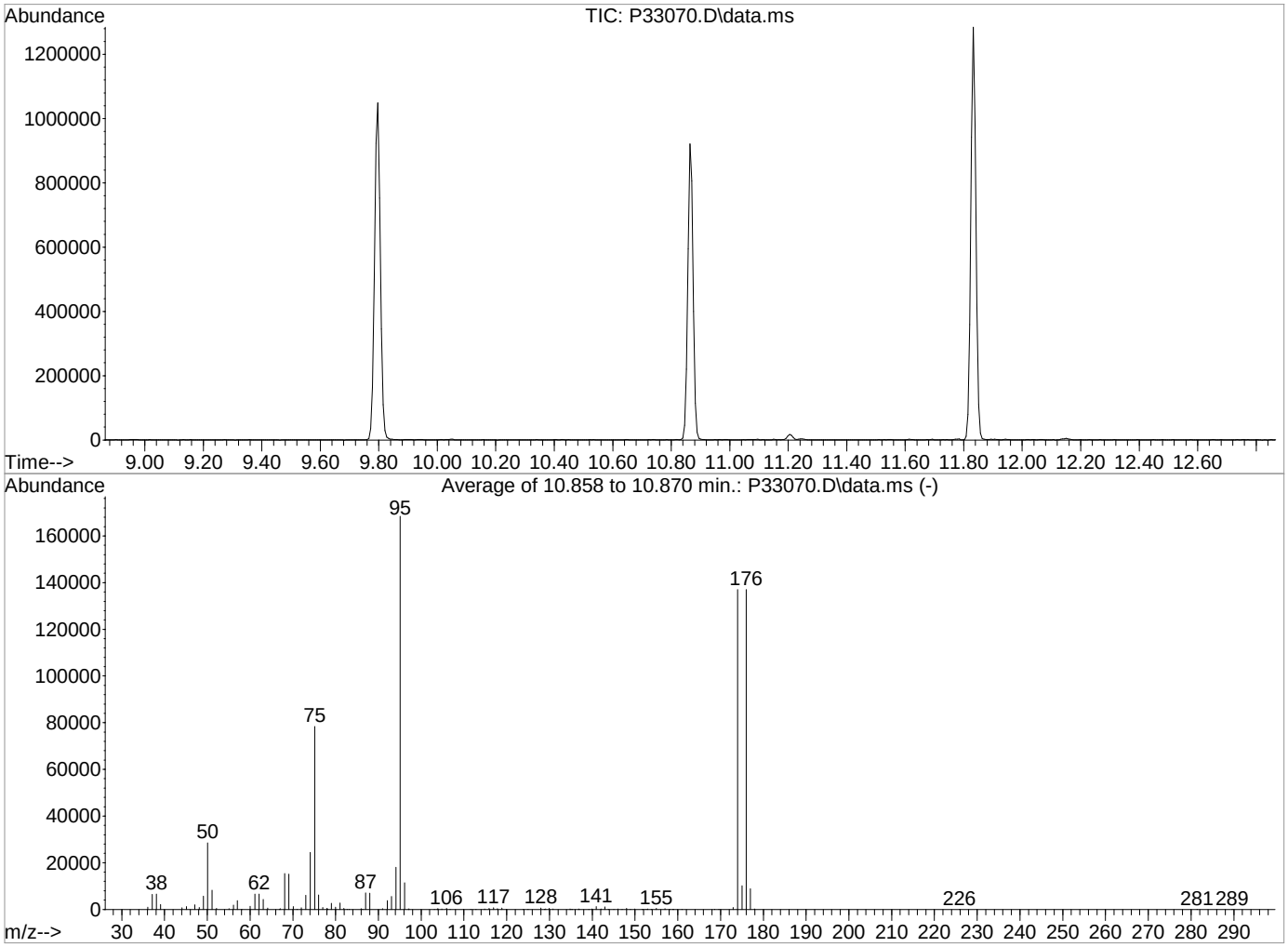


1st 01/22/20
2nd 01/22/20

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33070.D
Acq On : 21 Jan 2020 12:27 pm
Operator : K.Ruest
Sample : TUNE Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 1 Sample Multiplier: 1

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W110819.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Fri Nov 08 17:38:50 2019



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1594

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	28525	PASS
75	95	30	60	46.5	78400	PASS
95	95	100	100	100.0	168469	PASS
96	95	5	9	6.8	11420	PASS
173	174	0.00	2	0.6	802	PASS
174	95	50	120	81.4	137080	PASS
175	174	5	9	7.4	10141	PASS
176	174	95	101	100.0	137101	PASS
177	176	5	9	6.5	8852	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33071.D
Acq On : 21 Jan 2020 12:48 pm
Operator : K.Ruest
Sample : IBLK Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 14:31:09 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

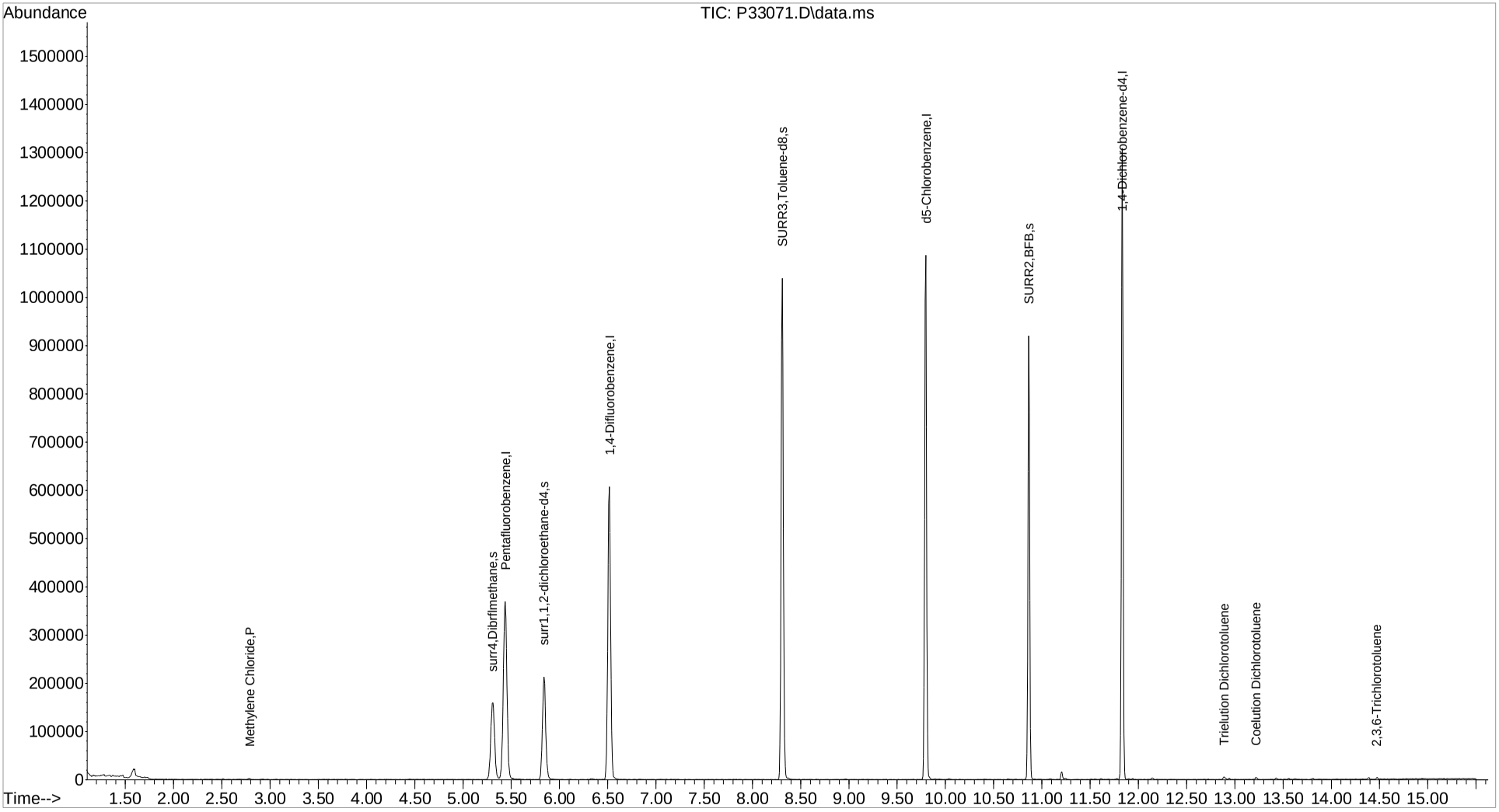
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.438	168	375436	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.517	114	570888	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	503633	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	264833	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.304	113	137027	45.44	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.88%			
48) surr1,1,2-dichloroetha...	5.840	65	174208	47.64	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 95.28%			
65) SURR3,Toluene-d8	8.309	98	665043	47.25	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 94.50%			
70) SURR2,BFB	10.864	95	245693	45.20	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.40%			
Target Compounds						Qvalue
22) Methylene Chloride	2.792	84	835	0.22	ppb	# 67
112) Trielution Dichlorotol...	12.888	125	2234	0.32	ppb	# 81
114) Coelution Dichlorotoluene	13.217	125	1622	0.21	ppb	# 78
120) 2,3,6-Trichlorotoluene	14.467	159	830	0.20	ppb	# 63

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

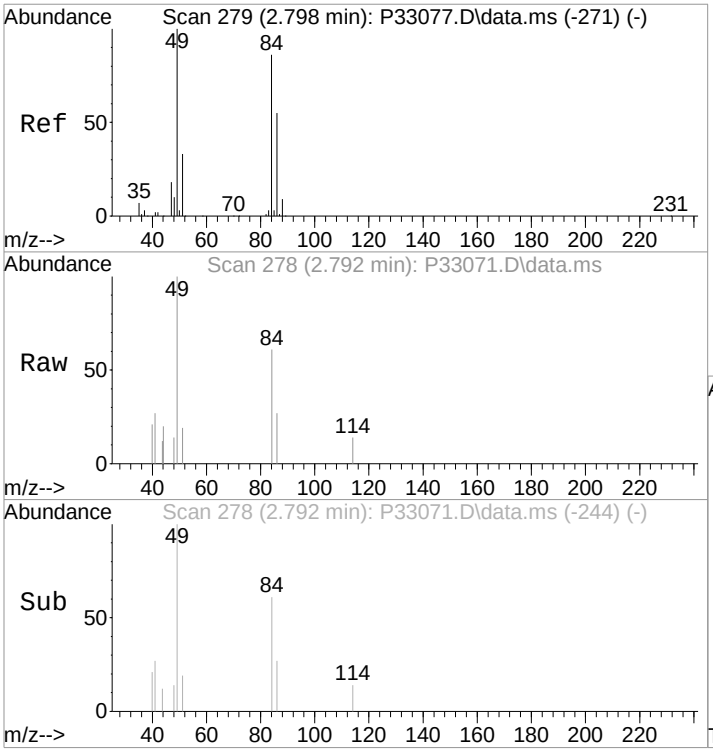
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33071.D
Acq On : 21 Jan 2020 12:48 pm
Operator : K.Ruest
Sample : IBLK Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 14:31:09 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



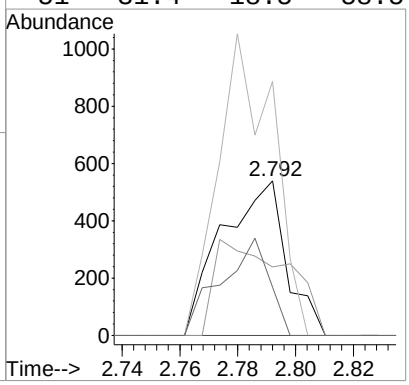
1st 01/22/20
2nd 01/22/20

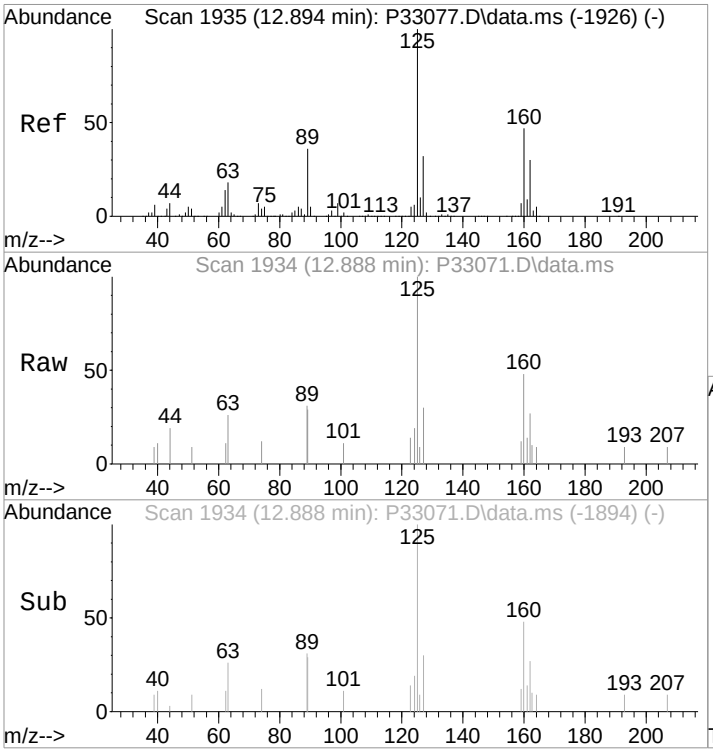


#22
Methylene Chloride
Concen: 0.22 ppb
RT: 2.792 min Scan# 278
Delta R.T. 0.006 min
Lab File: P33071.D
Acq: 21 Jan 2020 12:48 pm

Tgt Ion: 84 Resp: 835

Ion	Ratio	Lower	Upper
84	100		
86	44.3	44.5	84.5#
49	164.6	96.8	136.8#
51	31.4	18.5	58.5

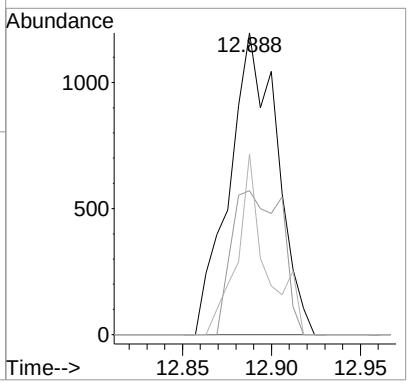


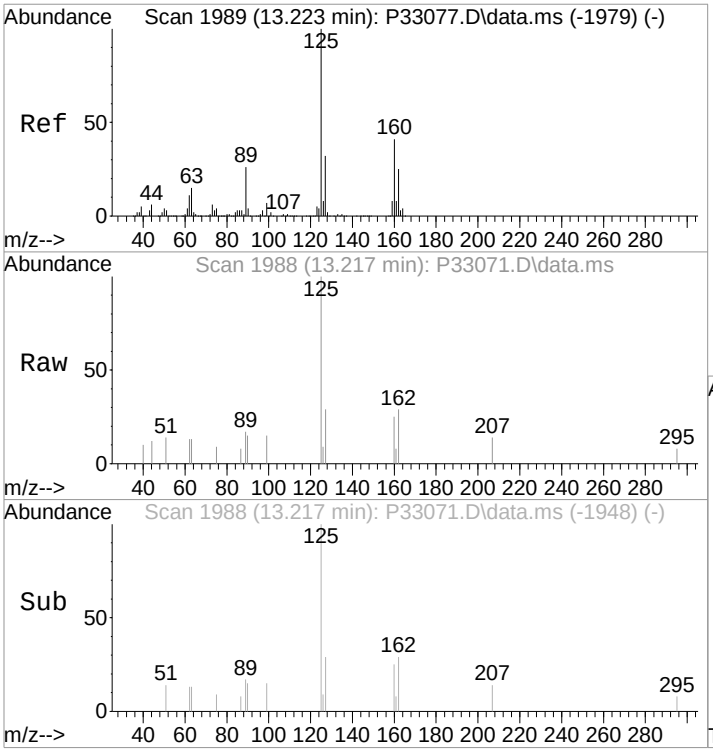


#112
Trielution Dichlorotoluene
Concen: 0.32 ppb
RT: 12.888 min Scan# 1934
Delta R.T. -0.006 min
Lab File: P33071.D
Acq: 21 Jan 2020 12:48 pm

Tgt Ion:125 Resp: 2234

Ion	Ratio	Lower	Upper
125	100		
160	47.7	37.5	56.3
89	59.9	28.5	42.7#

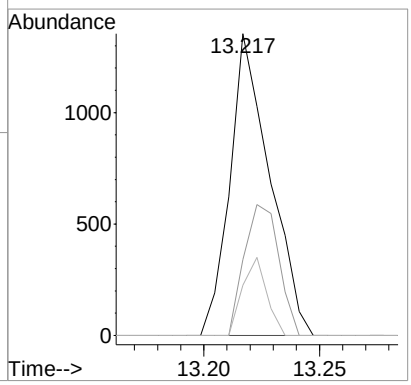


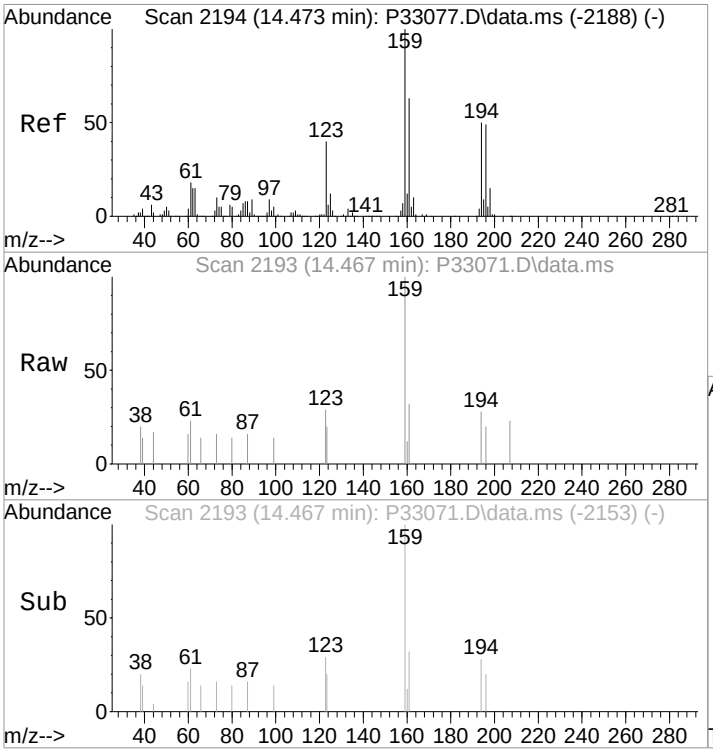


#114
Coelution Dichlorotoluene
Concen: 0.21 ppb
RT: 13.217 min Scan# 1988
Delta R.T. -0.006 min
Lab File: P33071.D
Acq: 21 Jan 2020 12:48 pm

Tgt Ion:125 Resp: 1622

Ion	Ratio	Lower	Upper
125	100		
160	25.2	32.6	48.8#
89	16.7	20.7	31.1#

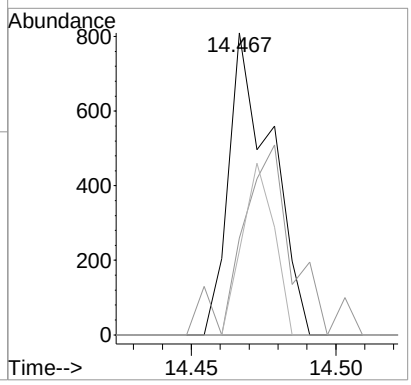




#120
2,3,6-Trichlorotoluene
Concen: 0.20 ppb
RT: 14.467 min Scan# 2193
Delta R.T. -0.006 min
Lab File: P33071.D
Acq: 21 Jan 2020 12:48 pm

Tgt Ion:159 Resp: 830

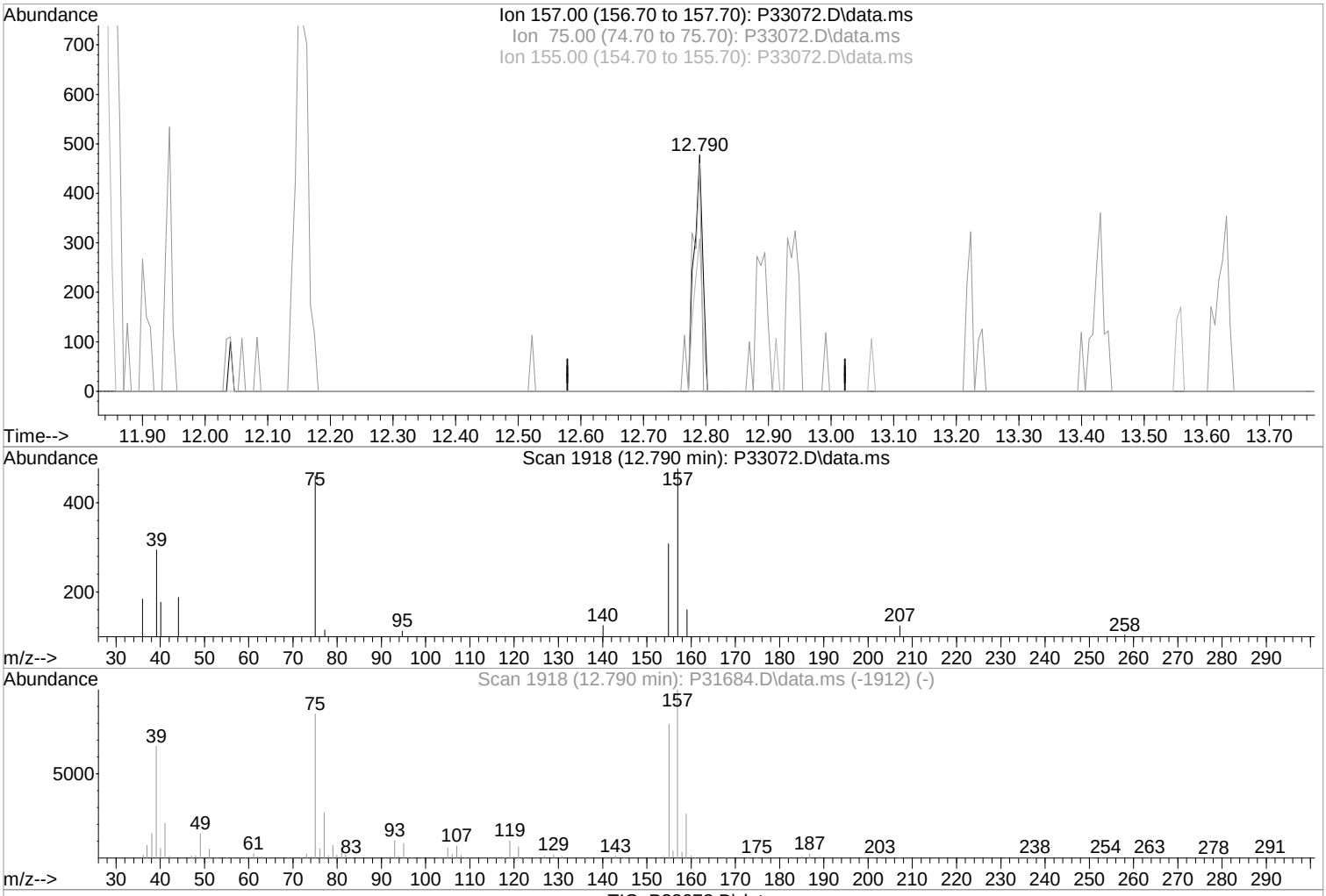
Ion	Ratio	Lower	Upper
159	100		
161	32.1	50.3	75.5#
194	27.8	40.3	60.5#



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33072.D\data.ms

(111) 1,2-Dibromo-3-chloropropane (P)

12.790min (+0.006) 0.43 ppb m

response 459

Ion	Exp%	Act%
157.00	100	100
75.00	81.40	96.44
155.00	73.40	64.57
0.00	0.00	0.00

Manual Integration:

After

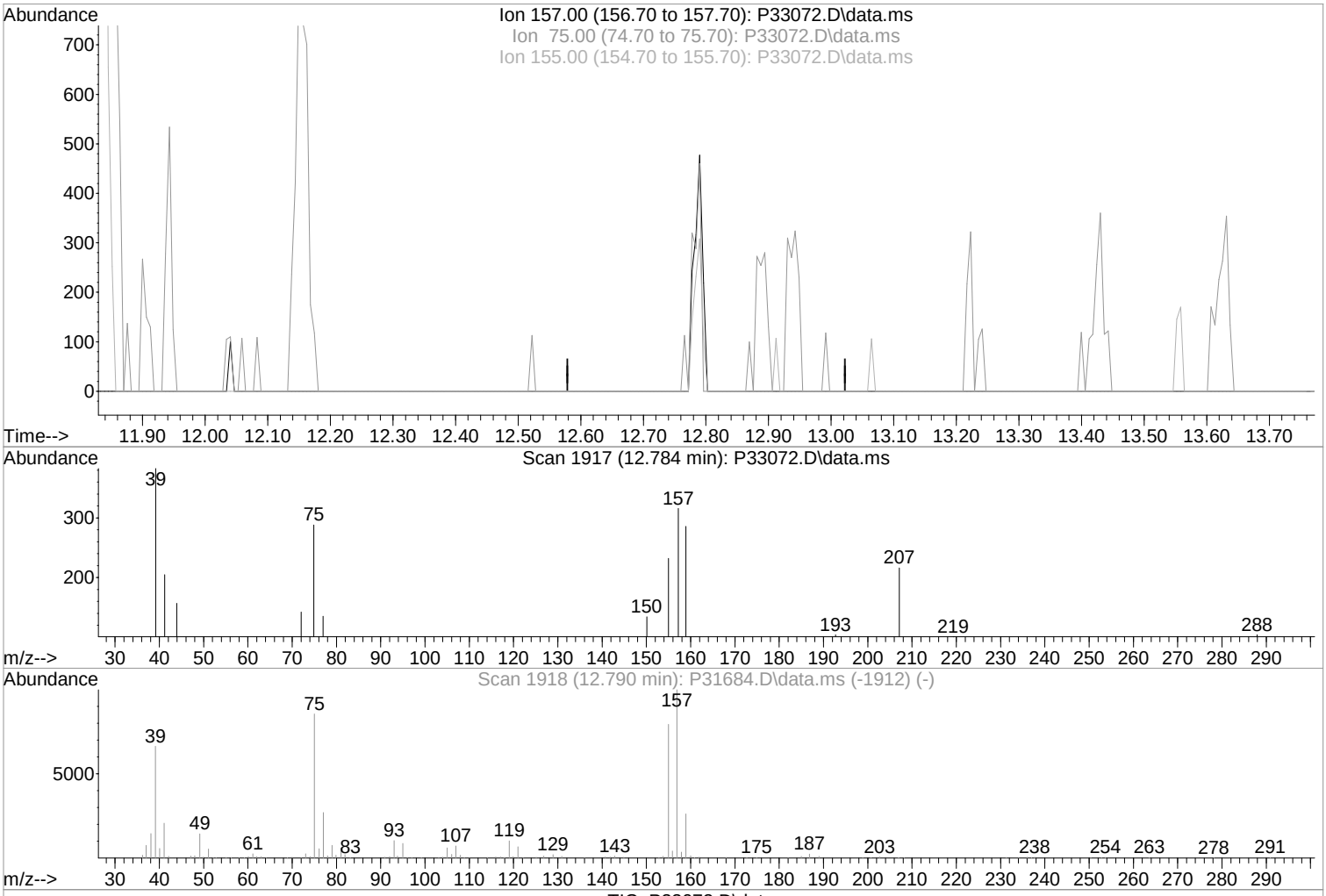
Peak not found.

01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33072.D\data.ms

(111) 1,2-Dibromo-3-chloropropane (P)

12.784min (-12.784) 0.00 ppb

response 0

Ion	Exp%	Act%
157.00	100	0.00
75.00	81.40	0.00#
155.00	73.40	0.00#
0.00	0.00	0.00

Manual Integration:

Before

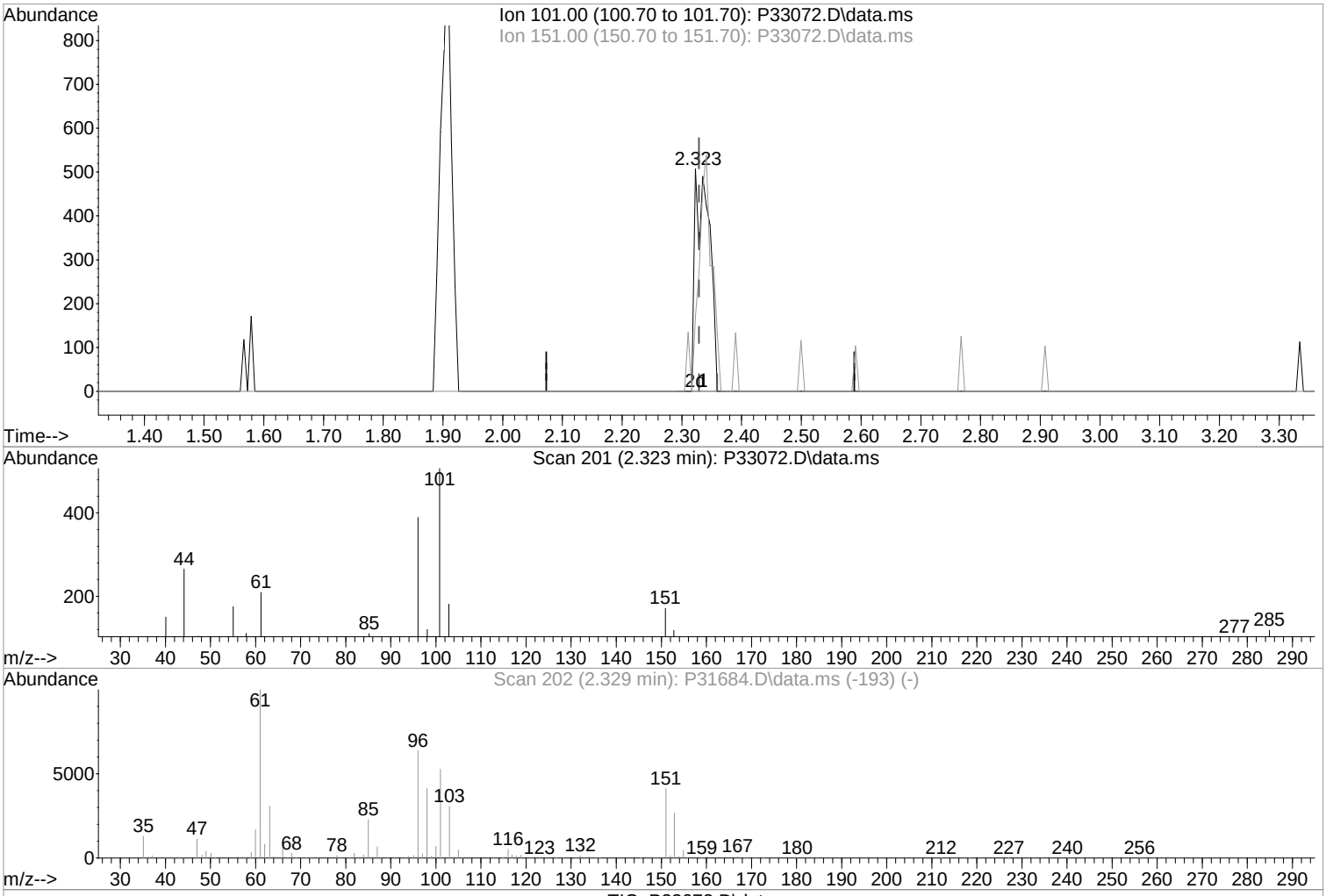
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33072.D\data.ms

(14) Freon 113 (P)

2.323min (-0.006) 0.34 ppb m

response 859

Ion	Exp%	Act%
101.00	100	100
151.00	85.20	33.73#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

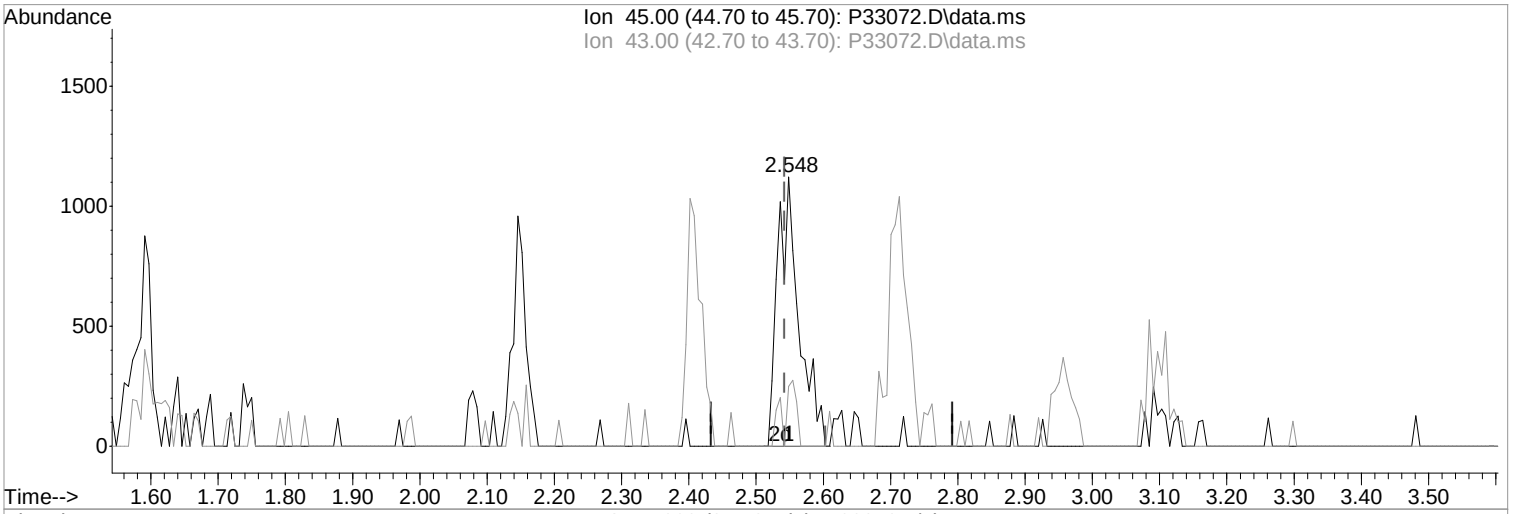
01/22/20

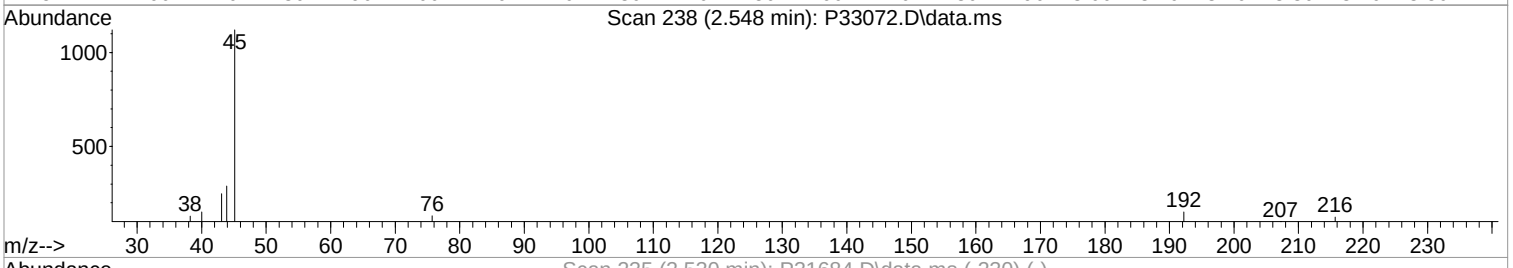
1st 01/22/20
2nd 01/22/20

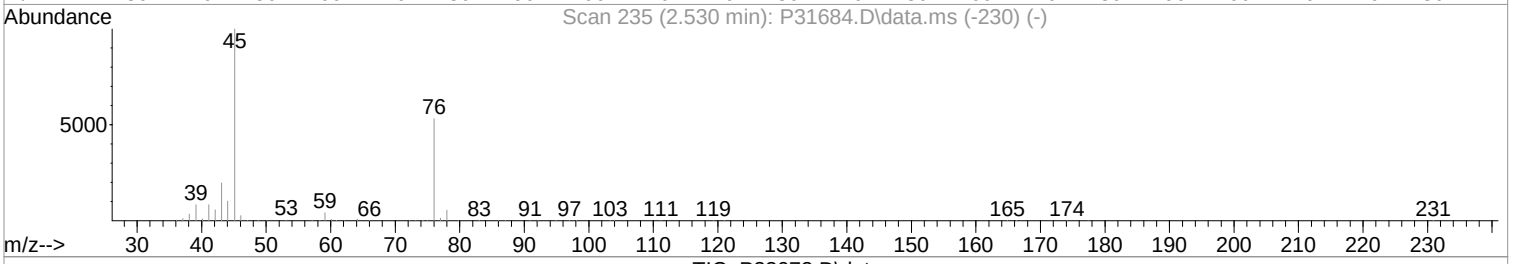
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(16) 2-Propanol

2.548min (+0.006) 8.72 ppb m

response 2491

Ion	Exp%	Act%
45.00	100	100
43.00	18.70	22.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

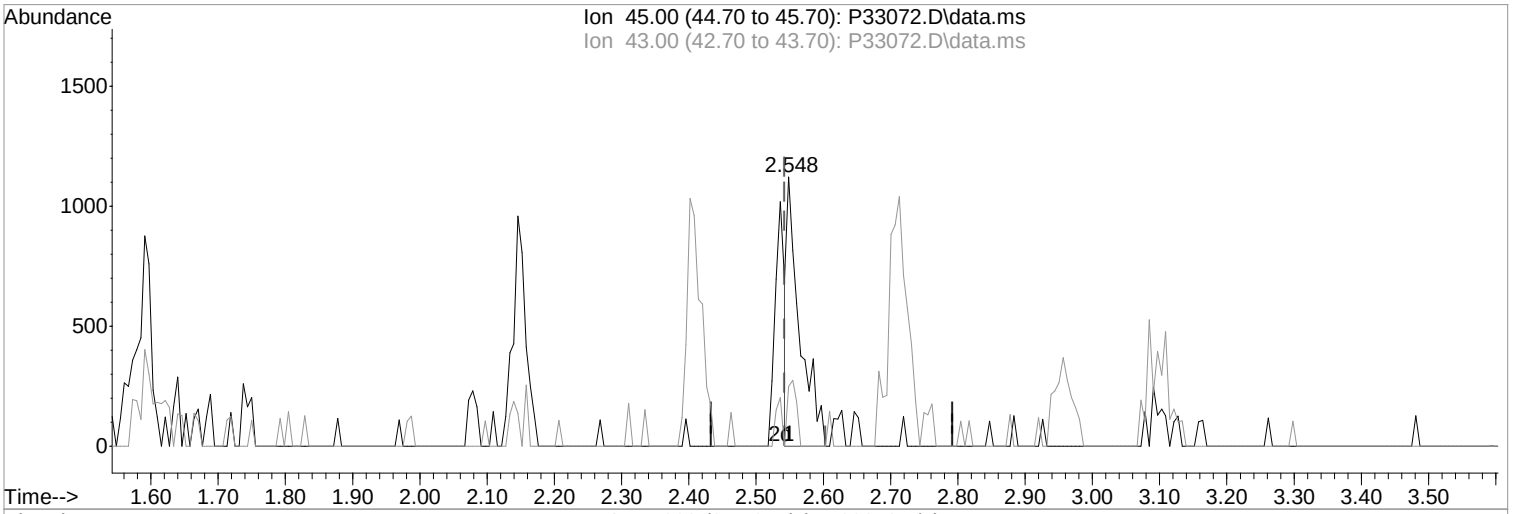
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33072.D\data.ms

(16) 2-Propanol

2.548min (+0.006) 5.29 ppb

response 1511

Ion	Exp%	Act%
45.00	100	100
43.00	18.70	22.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

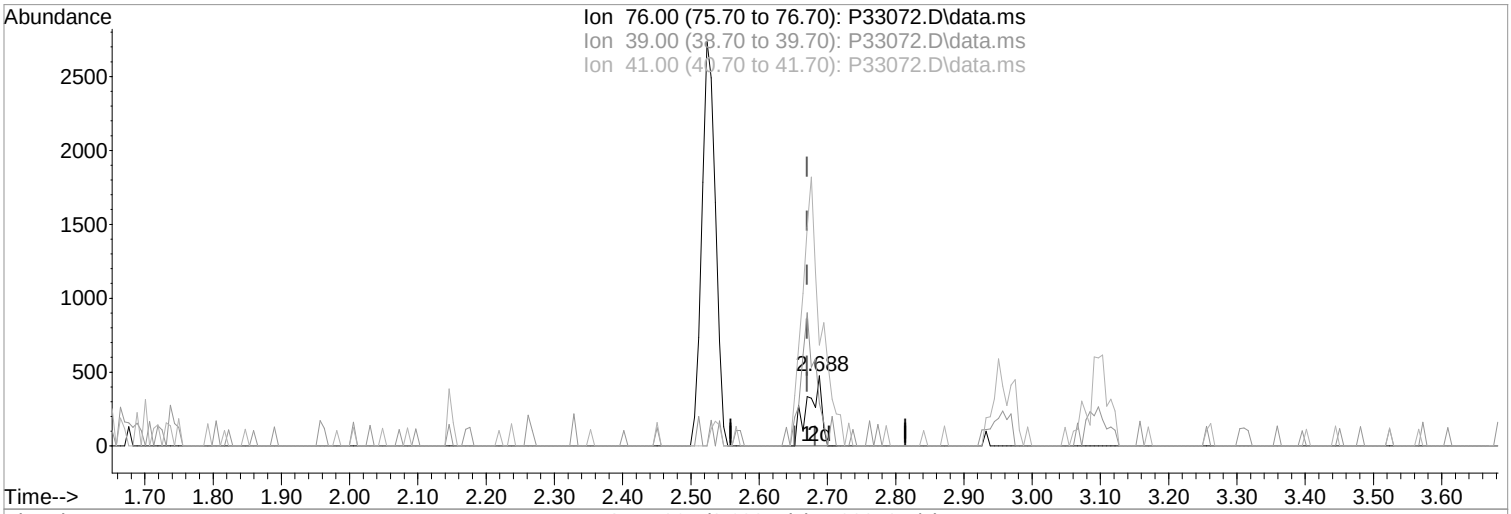
Before

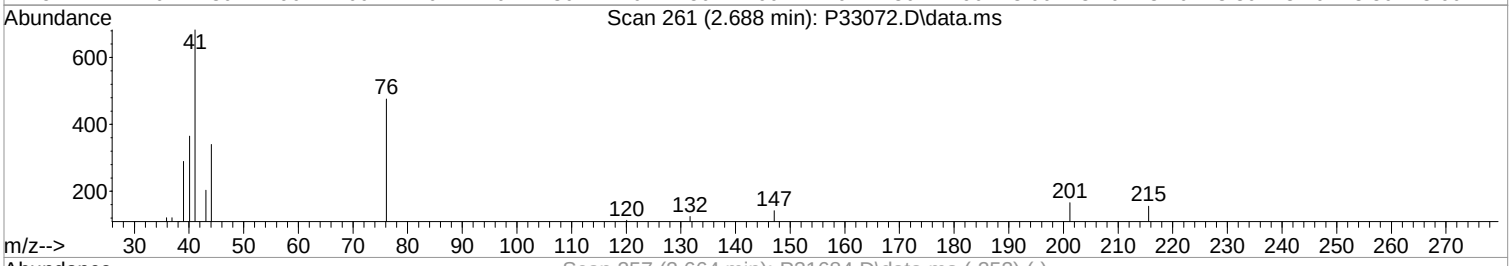
01/22/20

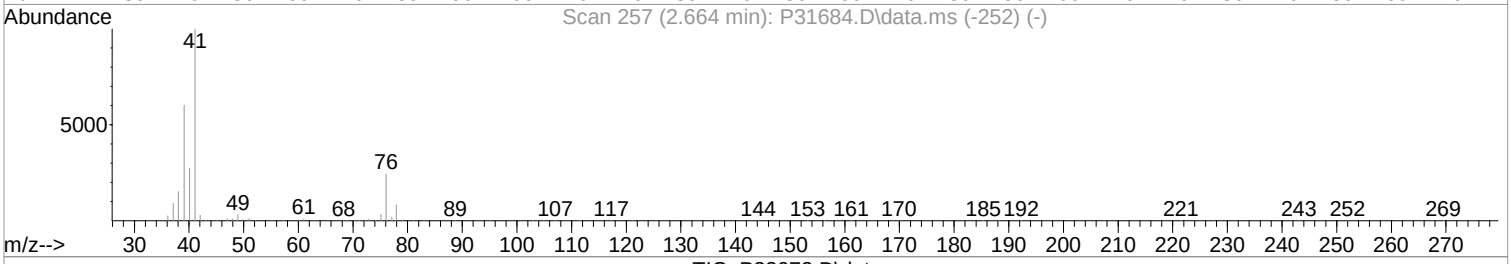
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(20) Allyl Chloride

2.688min (+0.018) 0.44 ppb m

response 693

Ion	Exp%	Act%
76.00	100	100
39.00	205.60	60.71#
41.00	422.70	143.49#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

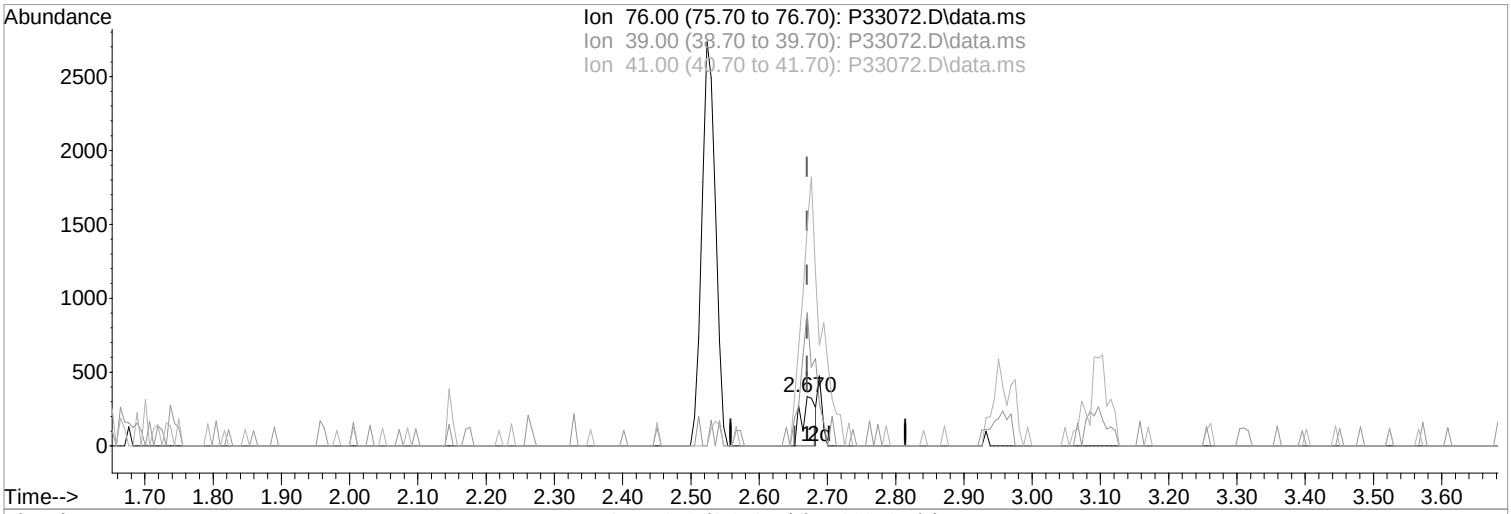
01/22/20

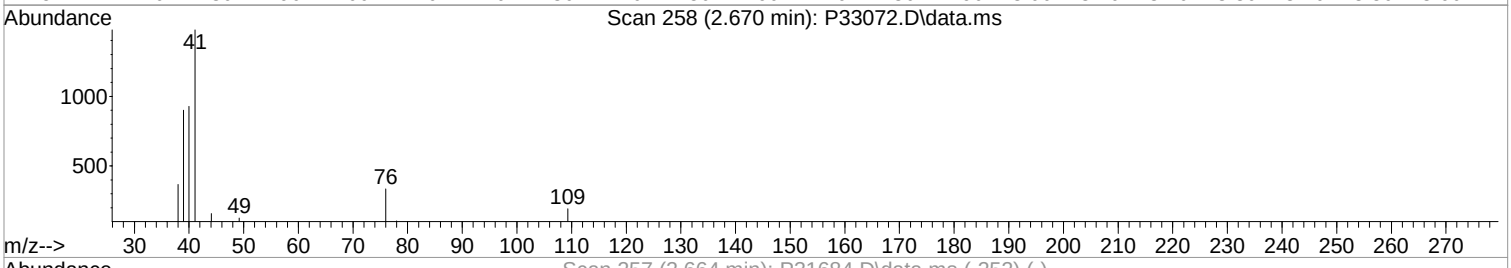
1st 01/22/20
2nd 01/22/20

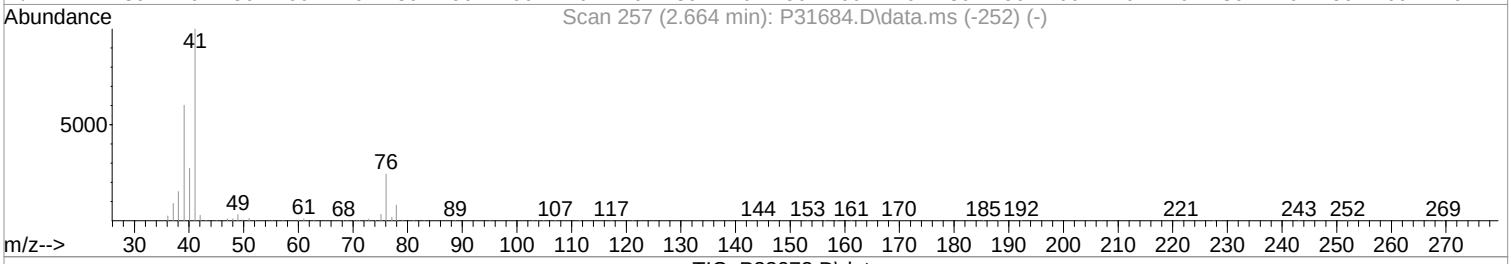
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(20) Allyl Chloride

2.670min (-0.000) 0.30 ppb

response 474

Ion	Exp%	Act%
76.00	100	100
39.00	205.60	268.96#
41.00	422.70	441.19
0.00	0.00	0.00

Manual Integration:

Before

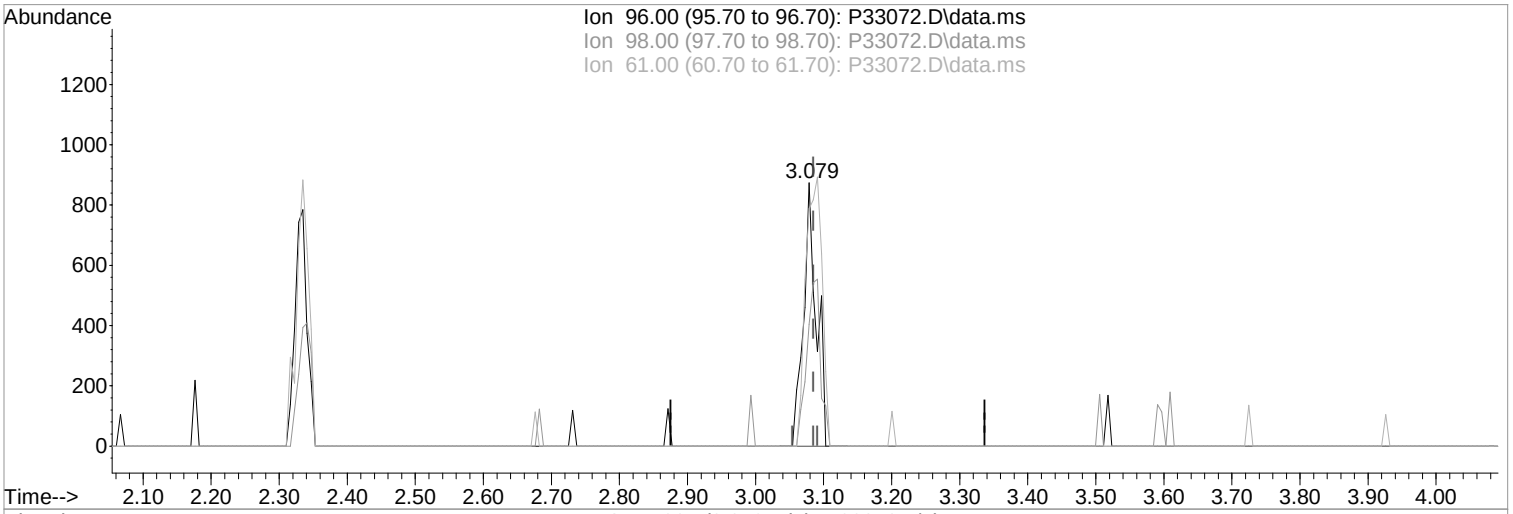
01/22/20

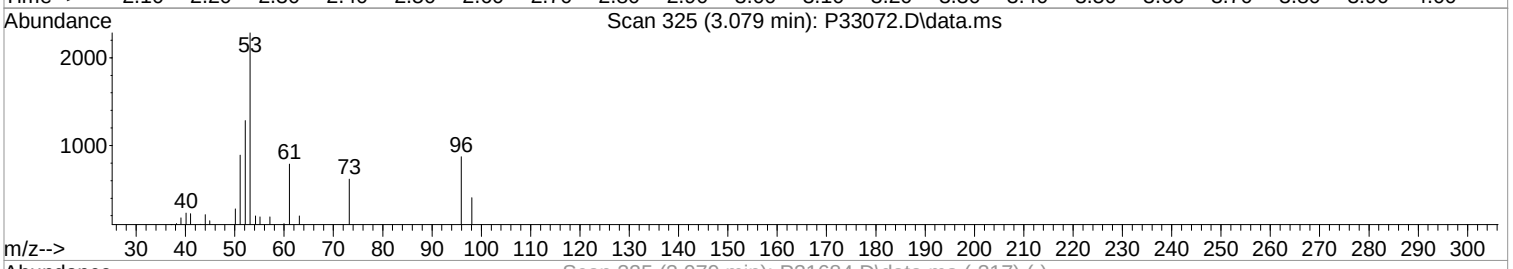
1st 01/22/20
2nd 01/22/20

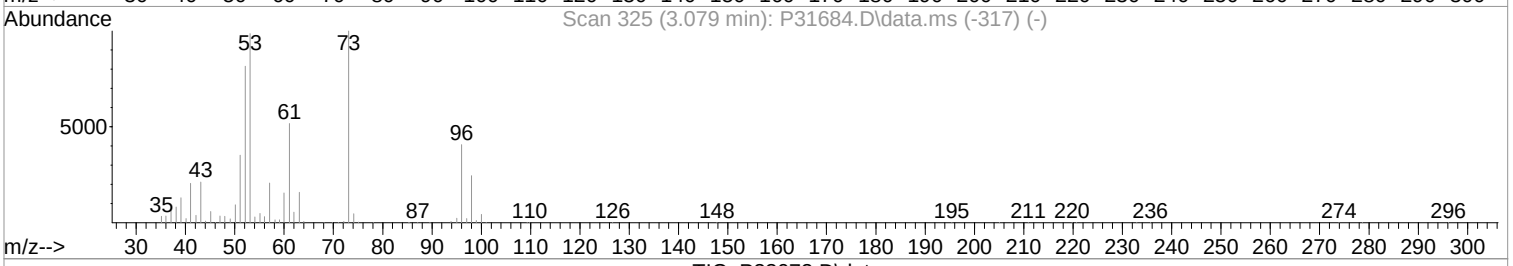
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

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

3.079min (-0.006) 0.38 ppb m

response 1148

Ion	Exp%	Act%
96.00	100	100
98.00	64.00	46.22
61.00	133.00	90.16#
0.00	0.00	0.00

Manual Integration:

After

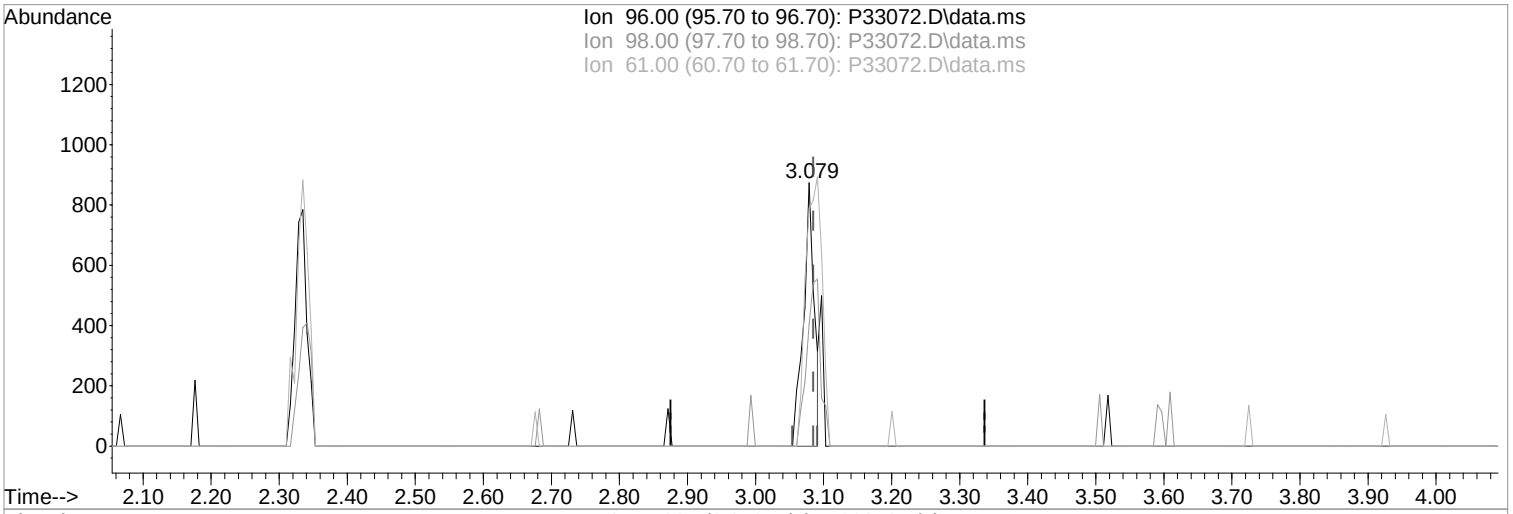
Split Peak

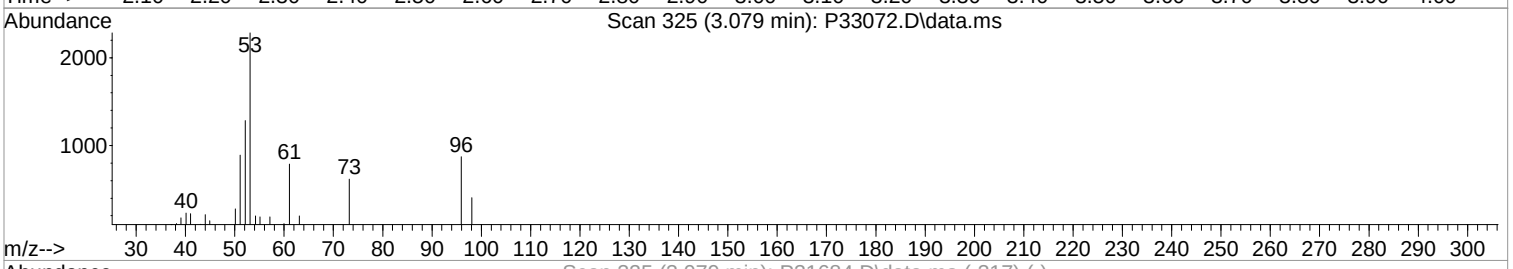
01/22/20

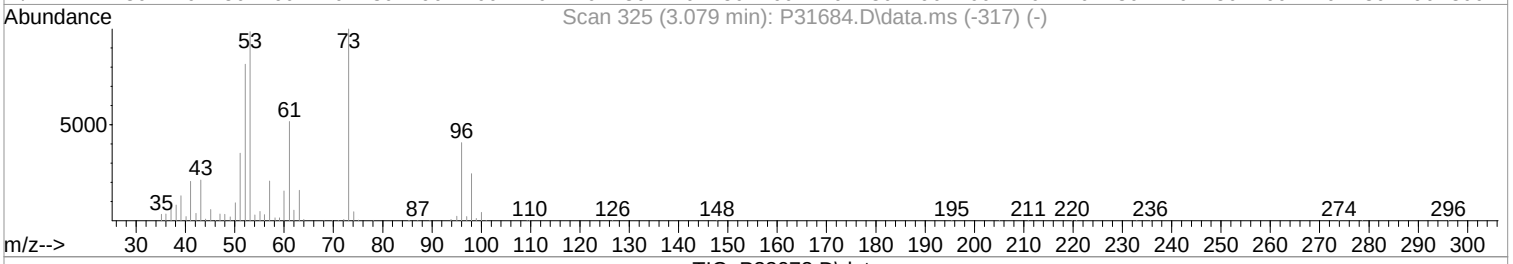
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

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

3.079min (-0.006) 0.32 ppb

response 965

Ion	Exp%	Act%
96.00	100	100
98.00	64.00	46.22
61.00	133.00	90.16#
0.00	0.00	0.00

Manual Integration:

Before

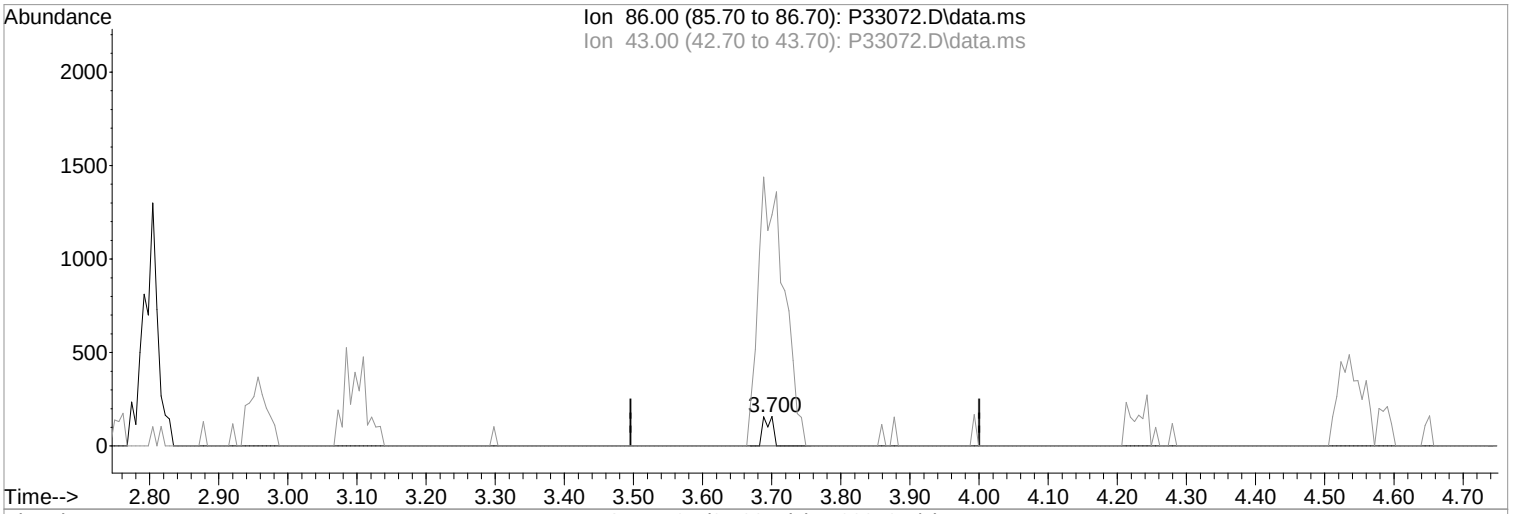
01/22/20

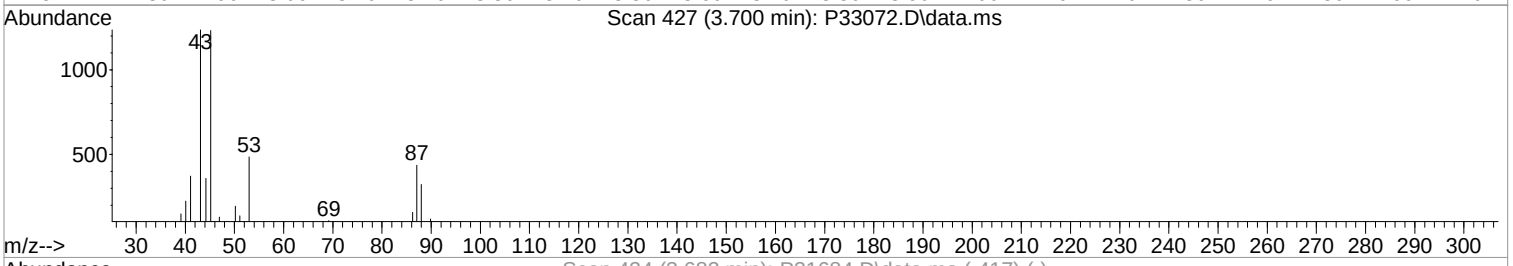
1st 01/22/20
2nd 01/22/20

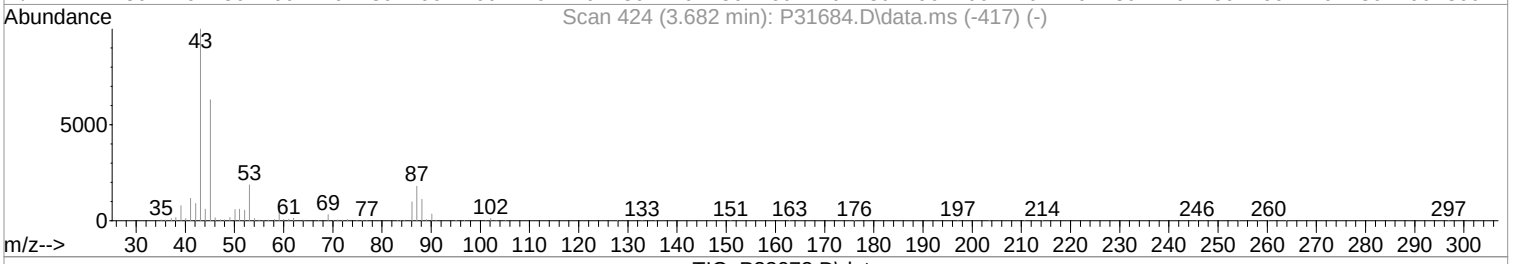
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(29) Vinyl Acetate

3.700min (+0.006) 0.20 ppb m

response 152

Ion	Exp%	Act%
86.00	100	100
43.00	1223.40	782.28#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

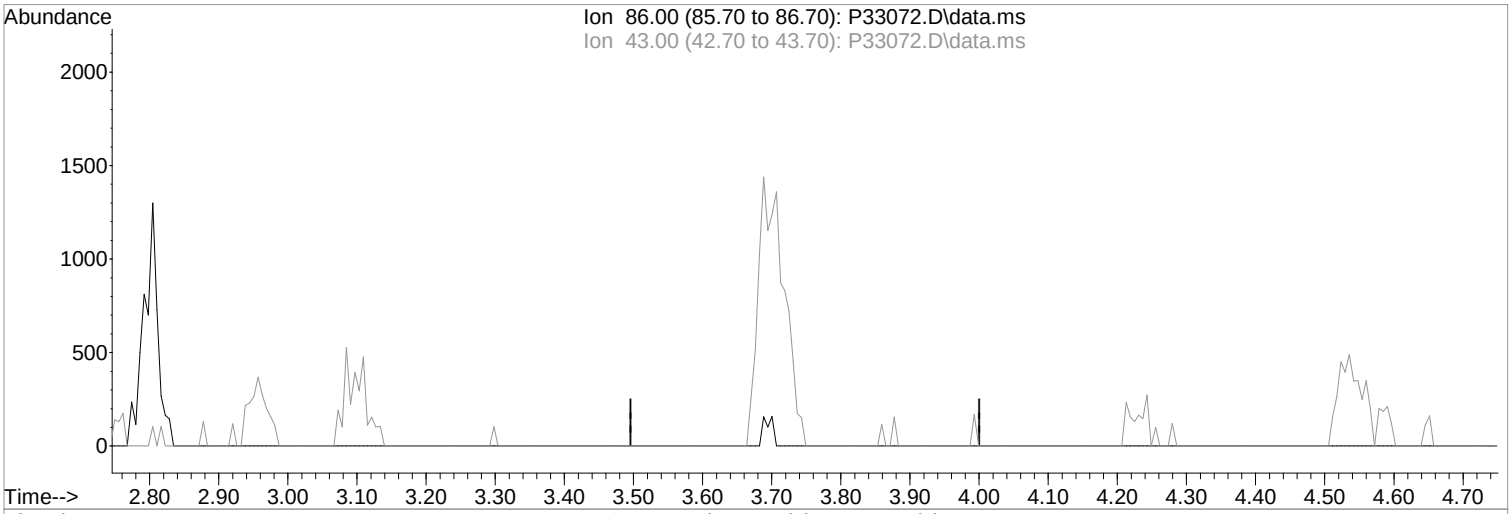
01/22/20

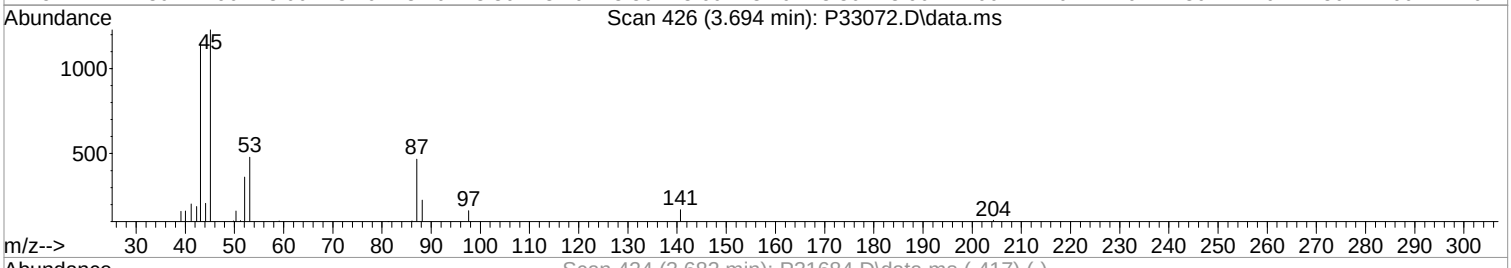
1st 01/22/20
2nd 01/22/20

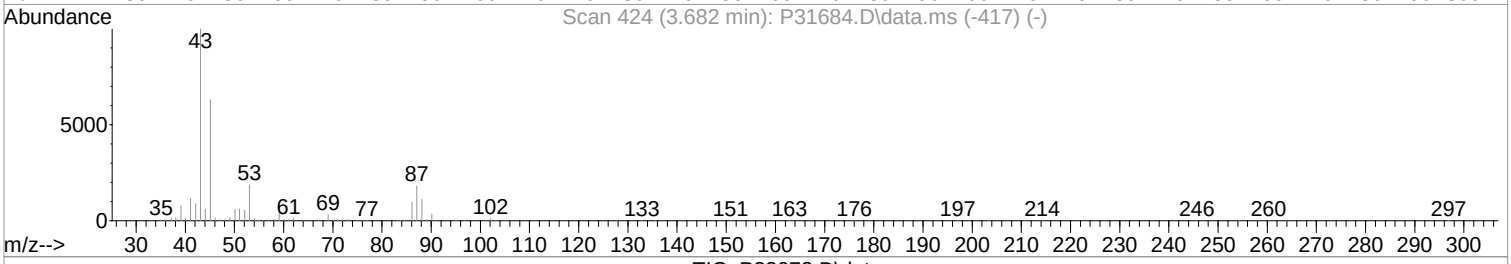
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(29) Vinyl Acetate

3.694min (-3.694) 0.00 ppb

response 0

Ion	Exp%	Act%
86.00	100	0.00
43.00	1223.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

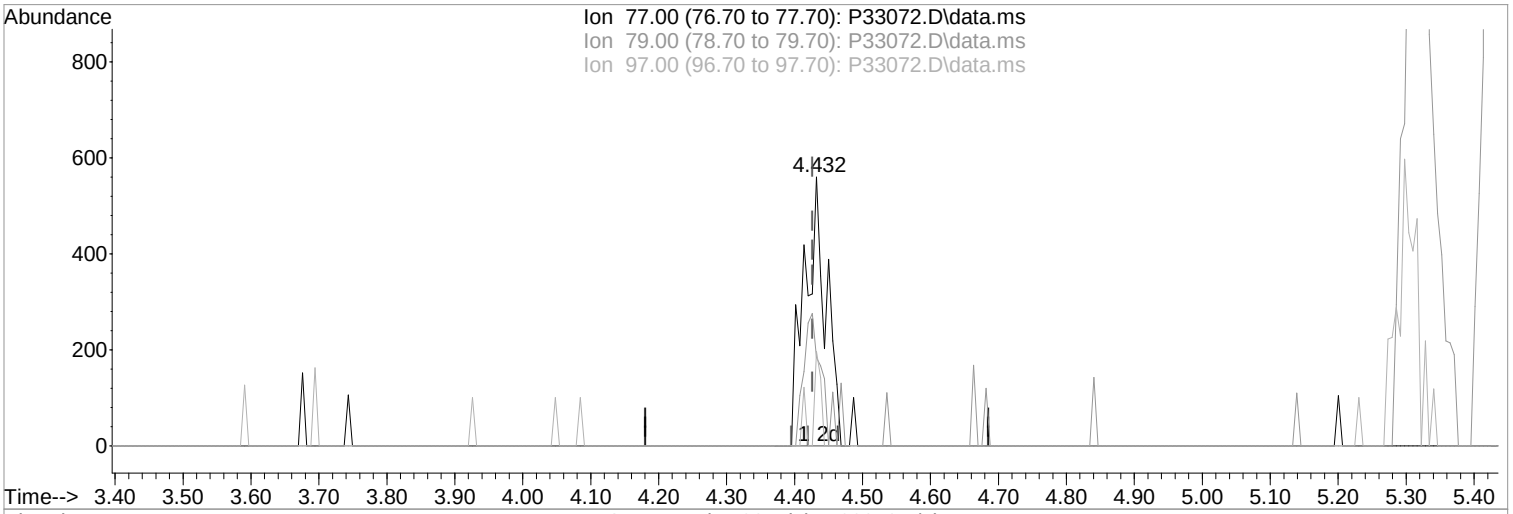
01/22/20

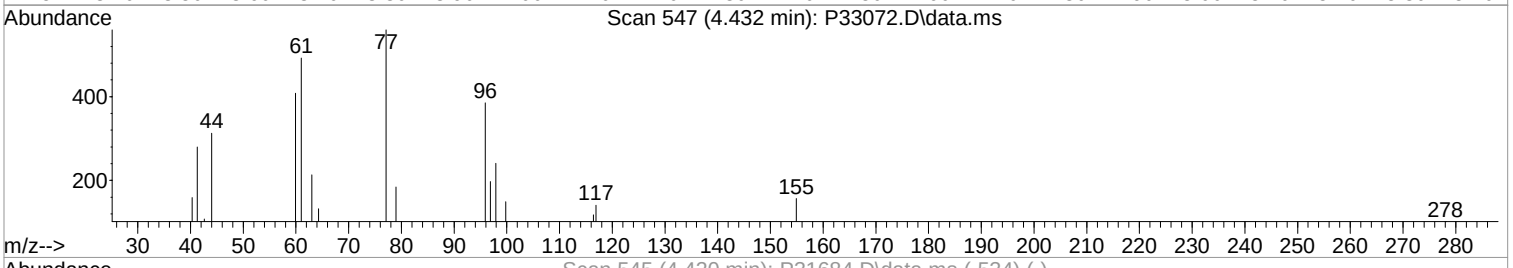
1st 01/22/20
2nd 01/22/20

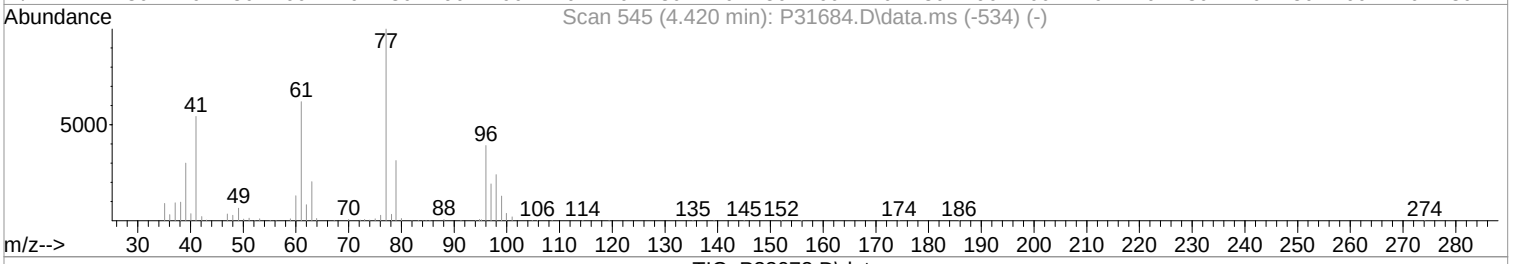
Quantitation Report (Qedit)

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Data File : P33072.D
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Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(33) 2,2-Dichloropropane

4.432min (+0.006) 0.31 ppb m

response 1246

Ion	Exp%	Act%
77.00	100	100
79.00	31.00	32.86
97.00	22.90	35.18
0.00	0.00	0.00

Manual Integration:

After

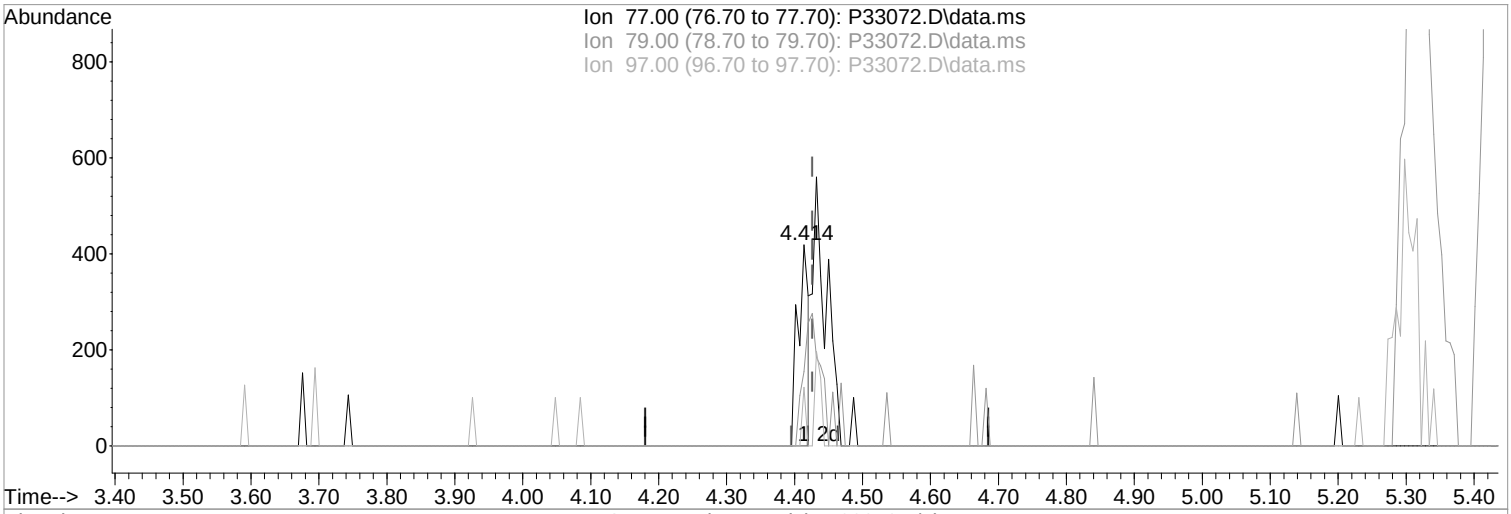
Split Peak

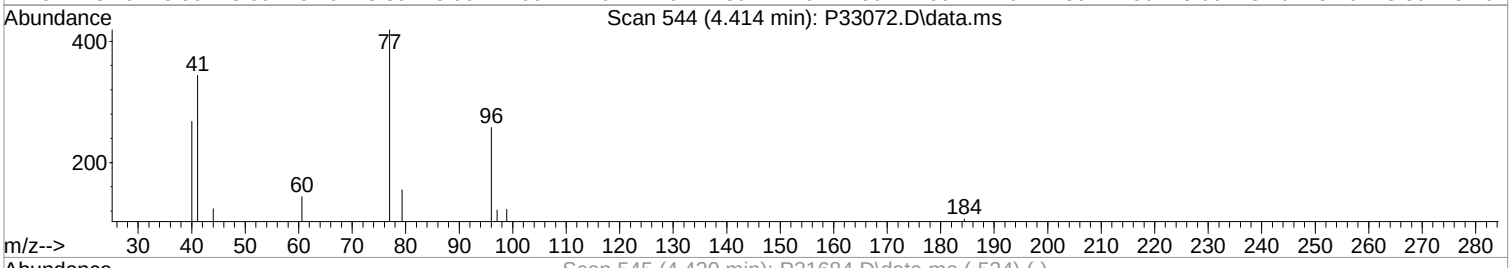
01/22/20

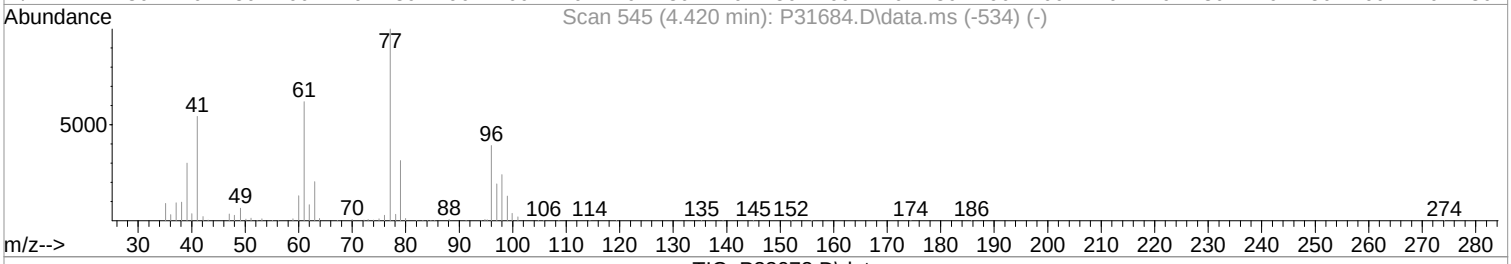
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(33) 2,2-Dichloropropane

4.414min (-0.012) 0.11 ppb

response 452

Ion	Exp%	Act%
77.00	100	100
79.00	31.00	36.99
97.00	22.90	29.12
0.00	0.00	0.00

Manual Integration:

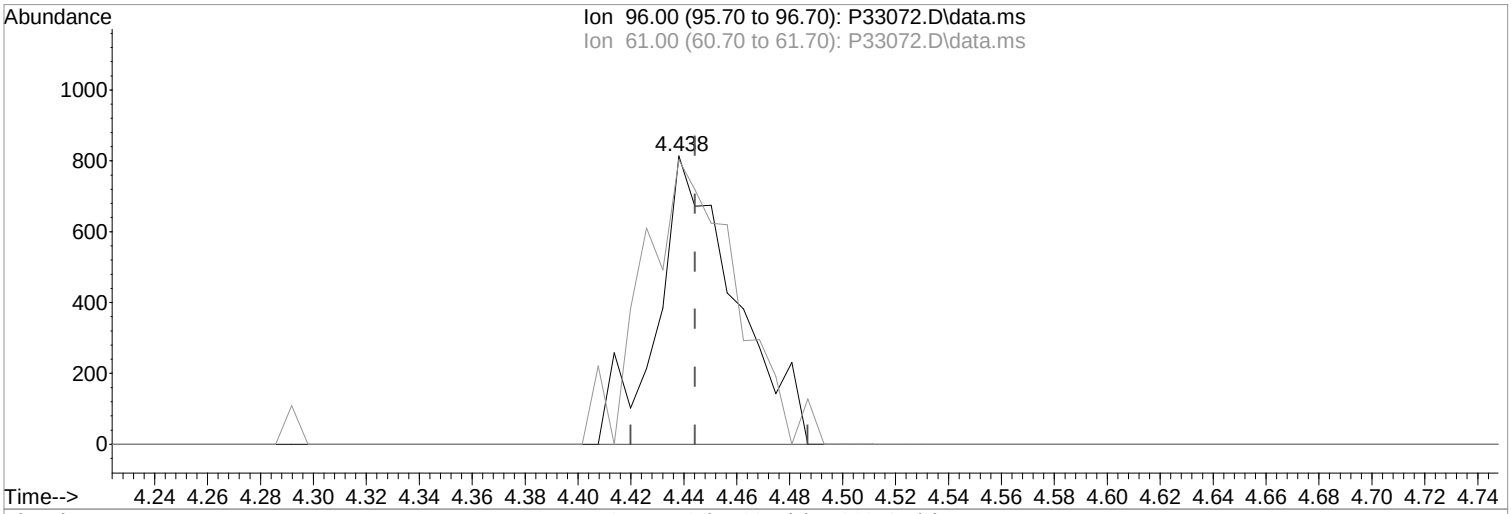
Before

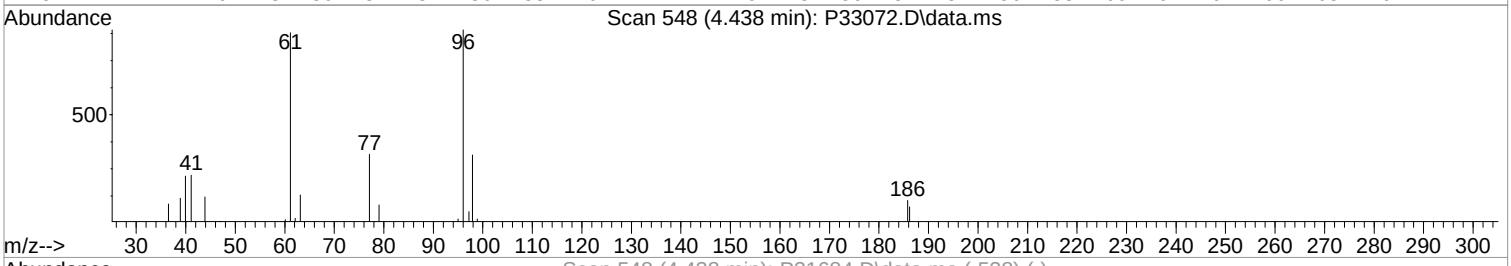
01/22/20

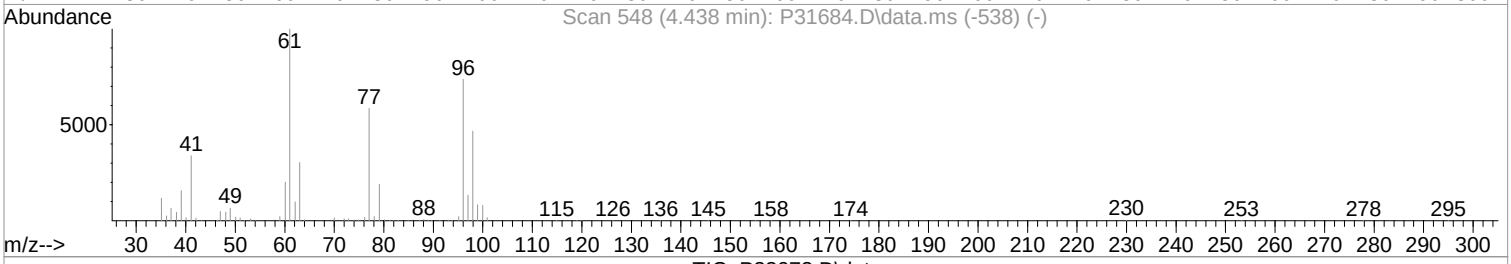
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

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

4.438min (-0.006) 0.48 ppb m

response 1674

Ion	Exp%	Act%
96.00	100	100
61.00	130.10	98.65#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

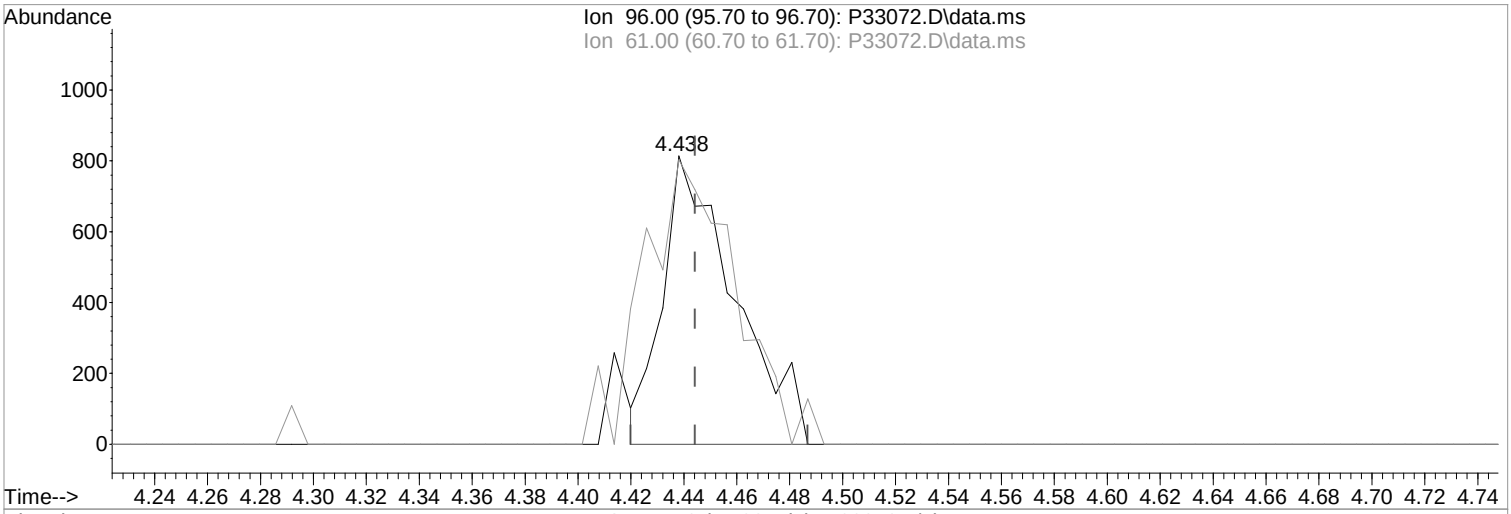
Poor integration.

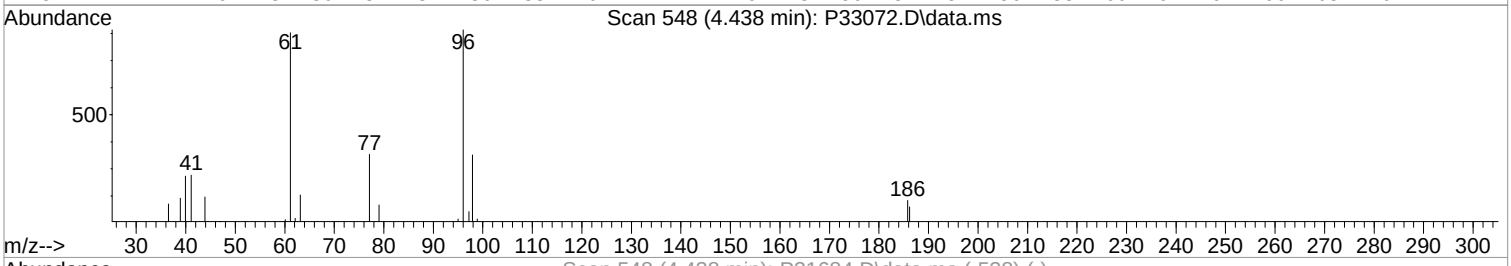
01/22/20

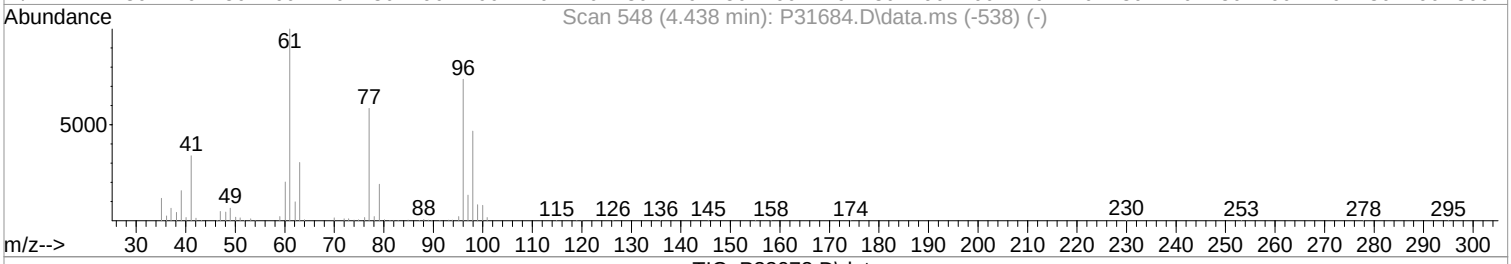
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

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

4.438min (-0.006) 0.44 ppb

response 1543

Ion	Exp%	Act%
96.00	100	100
61.00	130.10	98.65#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

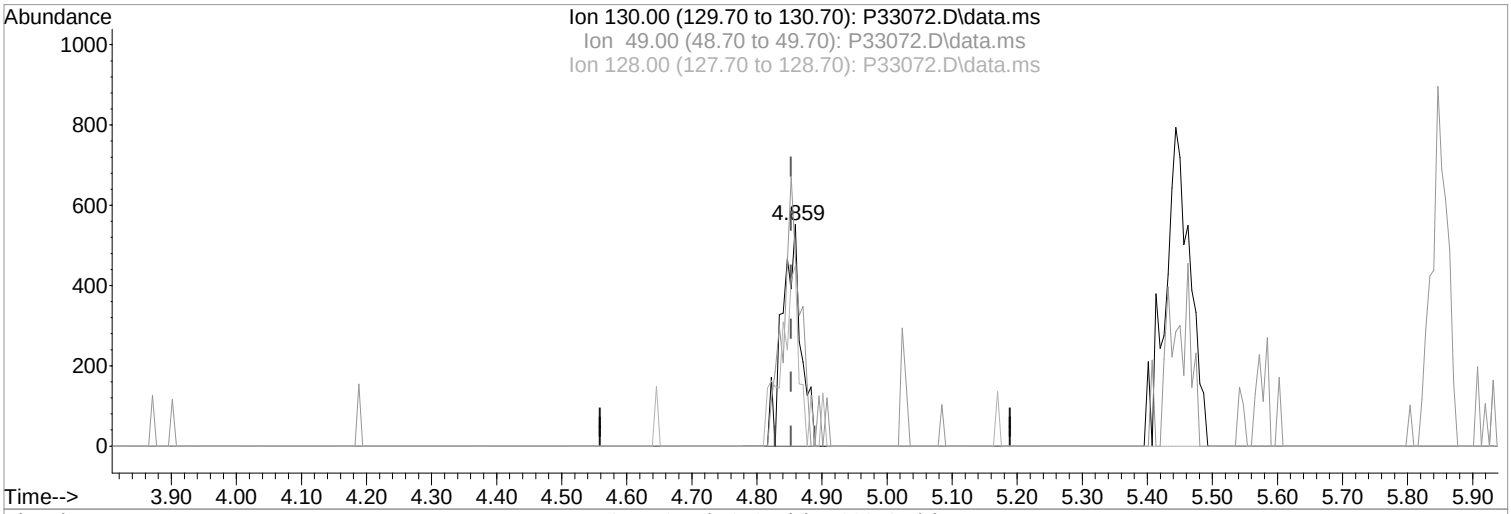
Before

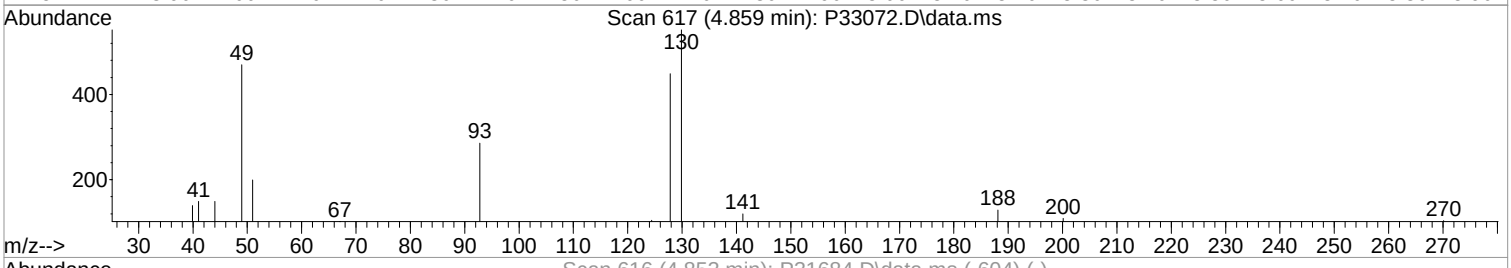
01/22/20

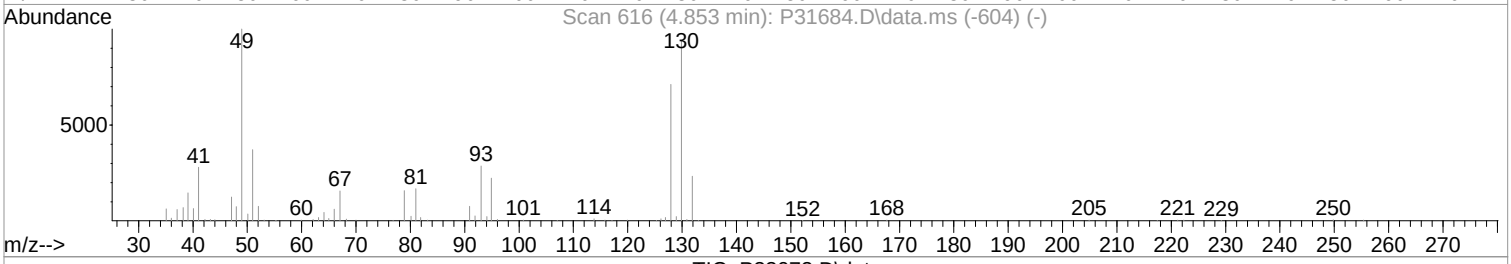
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(37) Bromochloromethane

4.859min (+0.006) 0.51 ppb m

response 1091

Ion	Exp%	Act%
130.00	100	100
49.00	117.10	85.14#
128.00	73.00	81.34
0.00	0.00	0.00

Manual Integration:

After

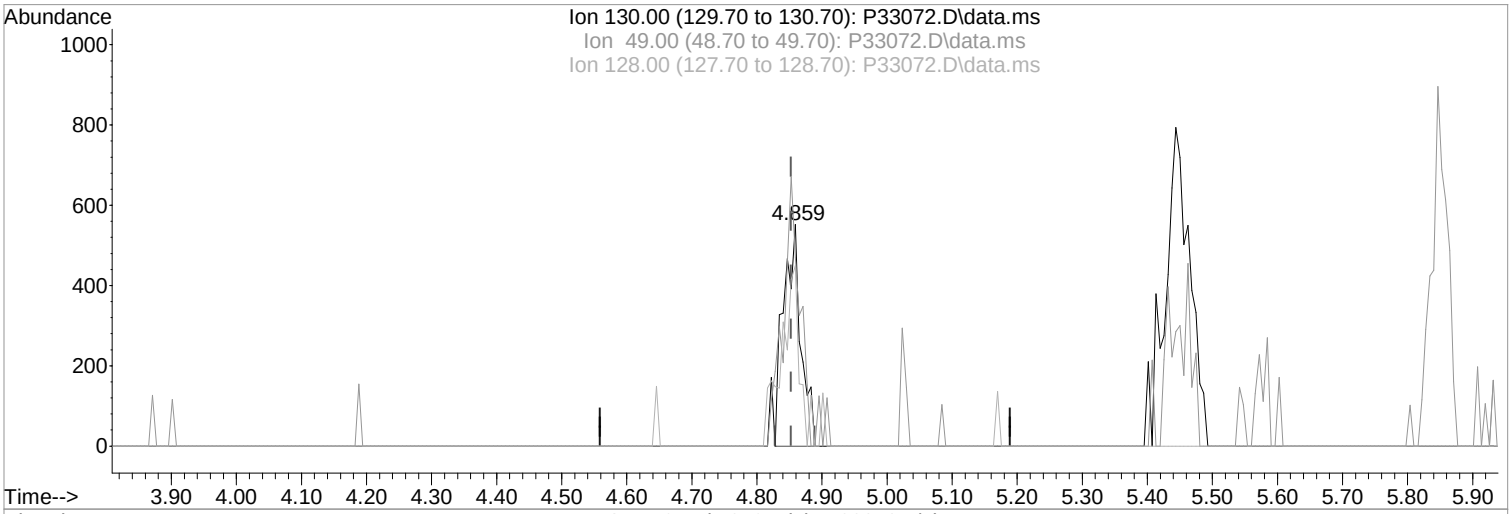
Poor integration.

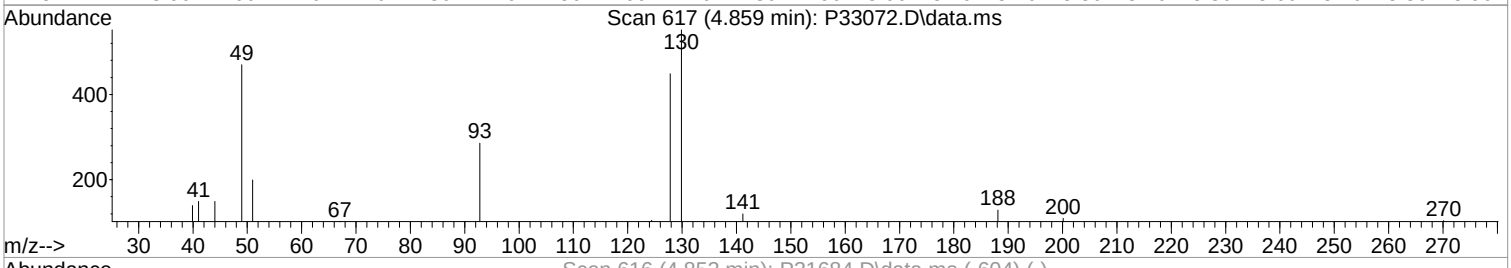
01/22/20

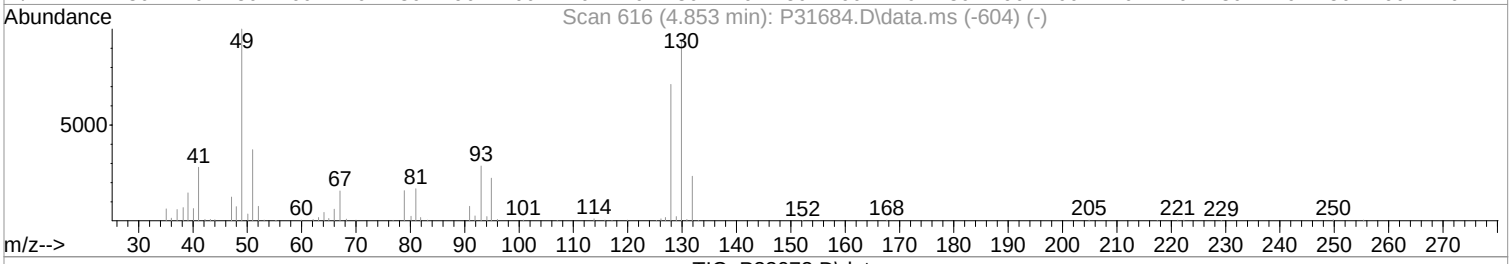
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(37) Bromochloromethane

4.859min (+0.006) 0.48 ppb

response 1028

Ion	Exp%	Act%
130.00	100	100
49.00	117.10	85.14#
128.00	73.00	81.34
0.00	0.00	0.00

Manual Integration:

Before

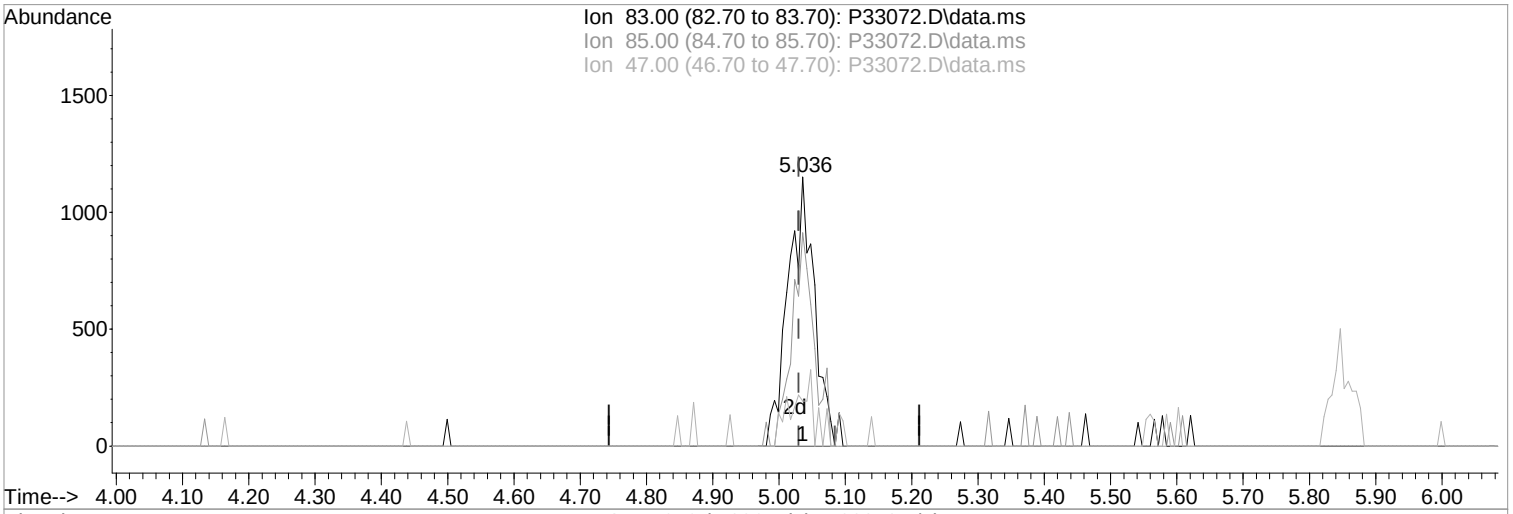
01/22/20

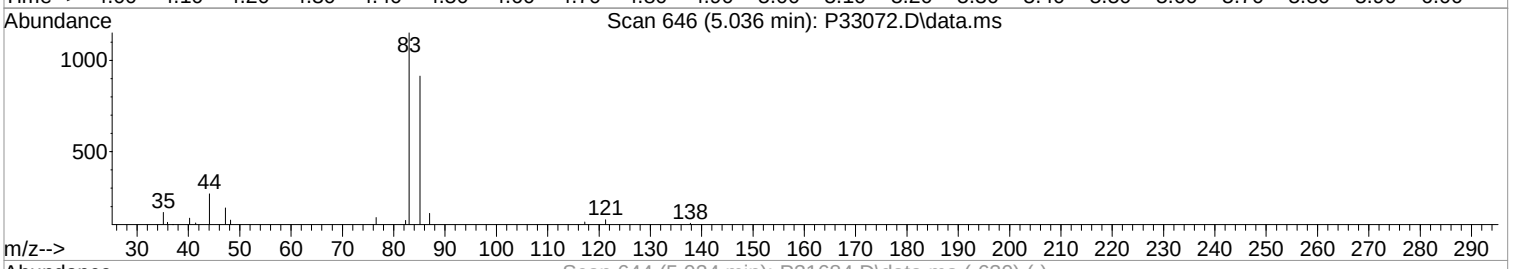
1st 01/22/20
2nd 01/22/20

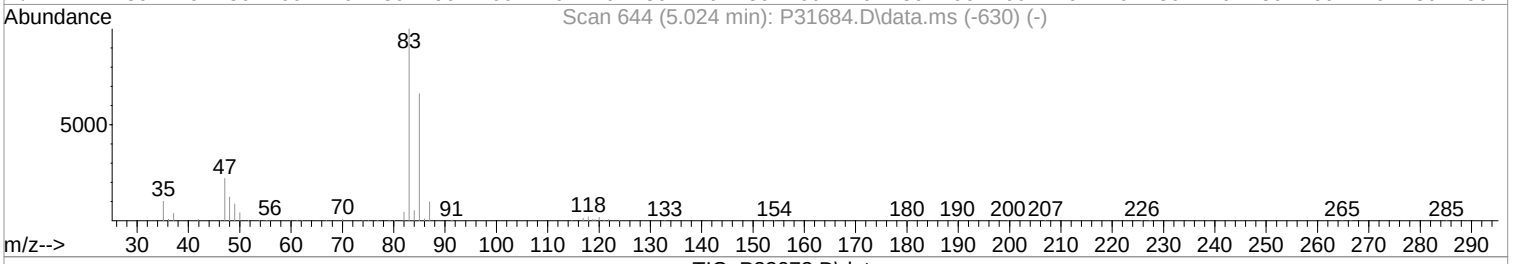
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(40) Chloroform (P)

5.036min (+0.006) 0.59 ppb m

response 3130

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	79.32
47.00	21.60	16.68
0.00	0.00	0.00

Manual Integration:

After

Split Peak

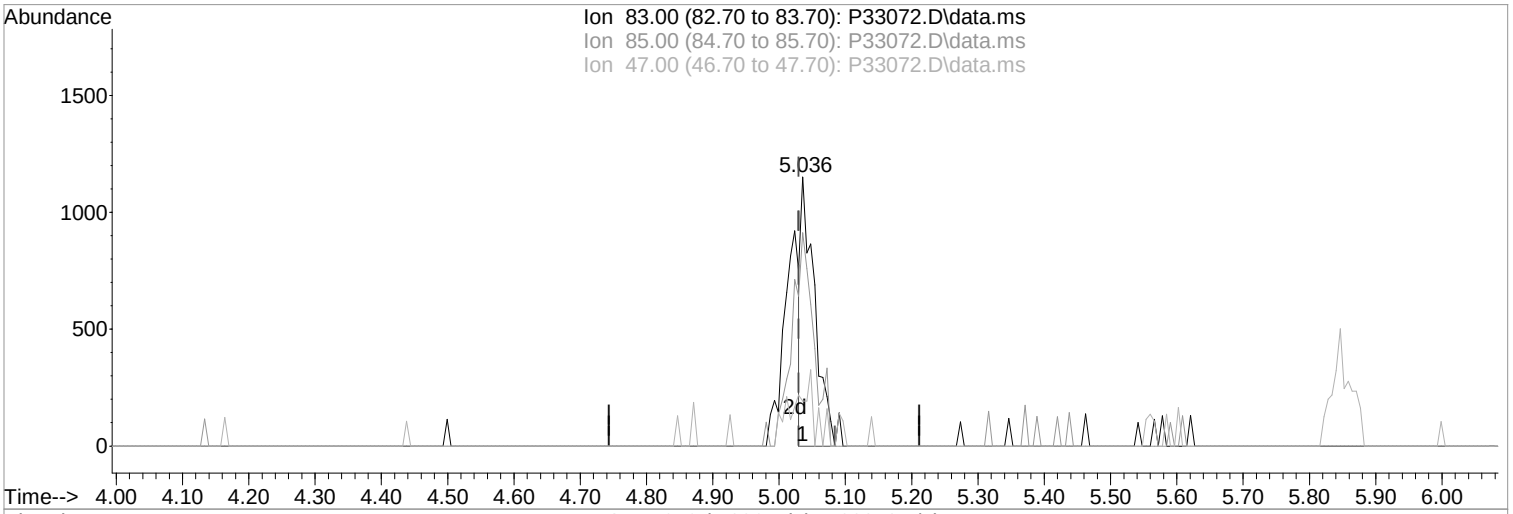
01/22/20

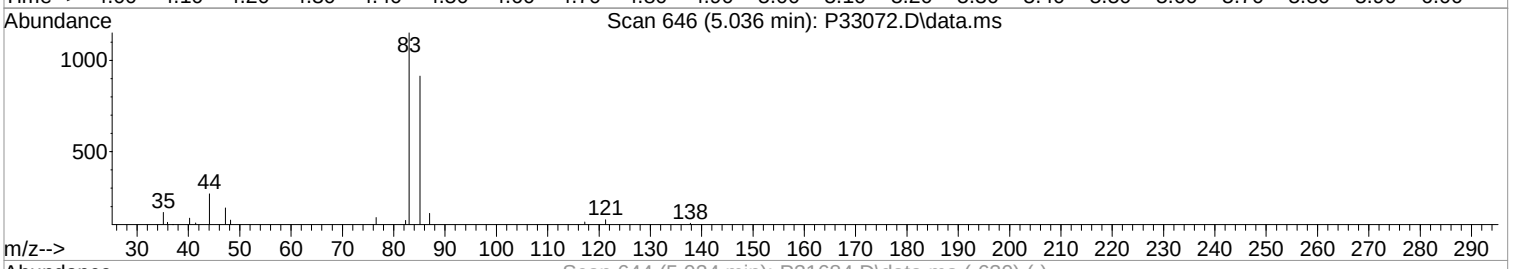
1st 01/22/20
2nd 01/22/20

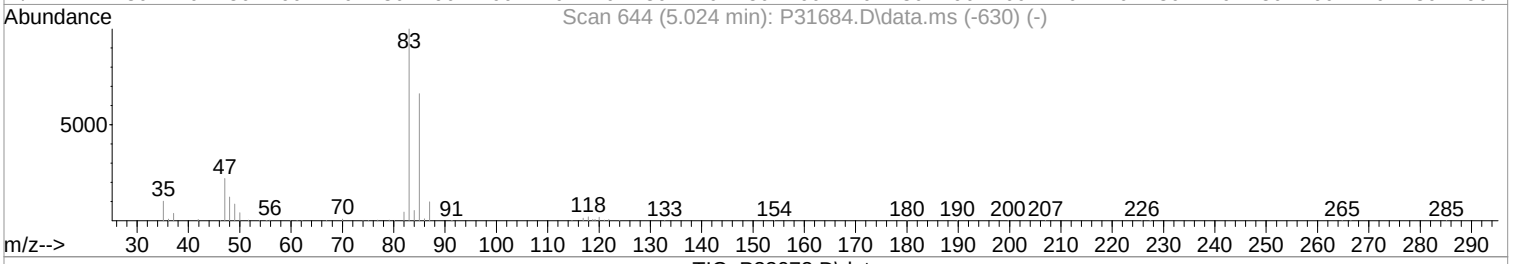
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(40) Chloroform (P)

5.036min (+0.006) 0.30 ppb

response 1625

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	79.32
47.00	21.60	16.68
0.00	0.00	0.00

Manual Integration:

Before

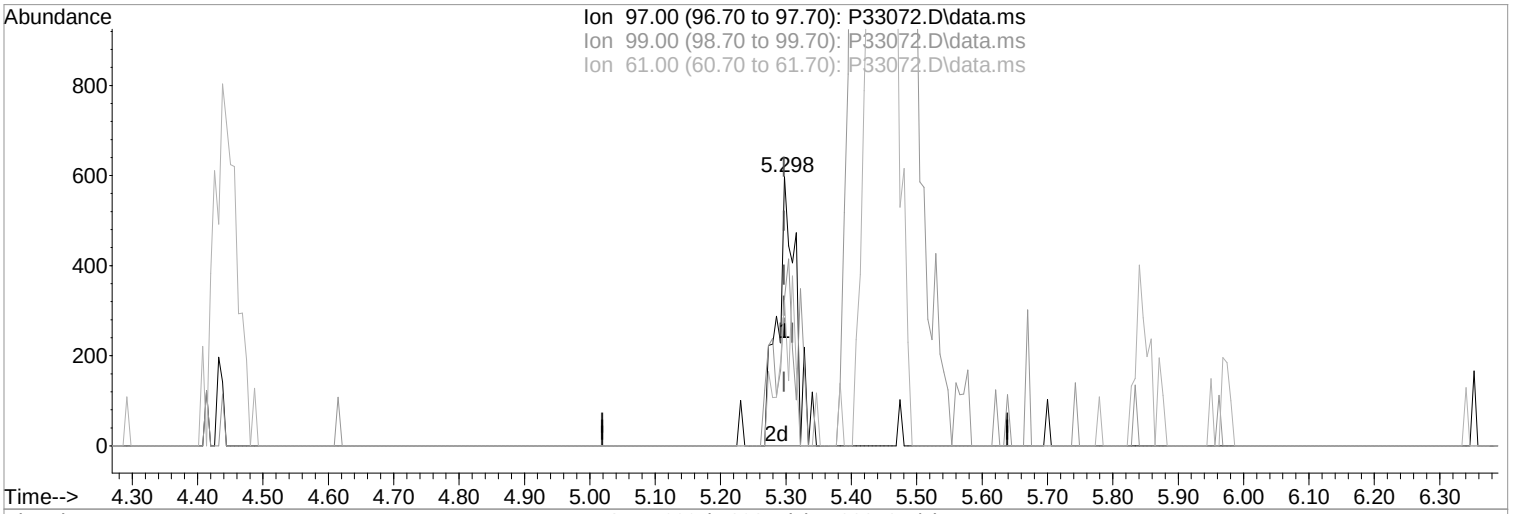
01/22/20

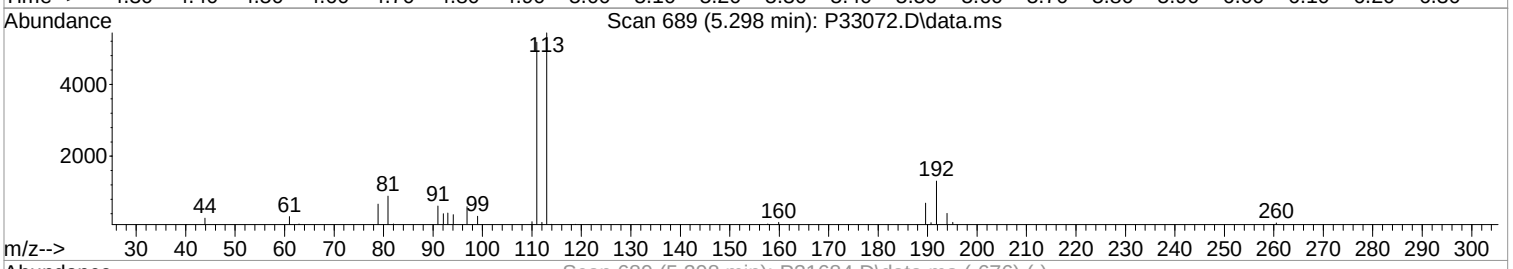
1st 01/22/20
2nd 01/22/20

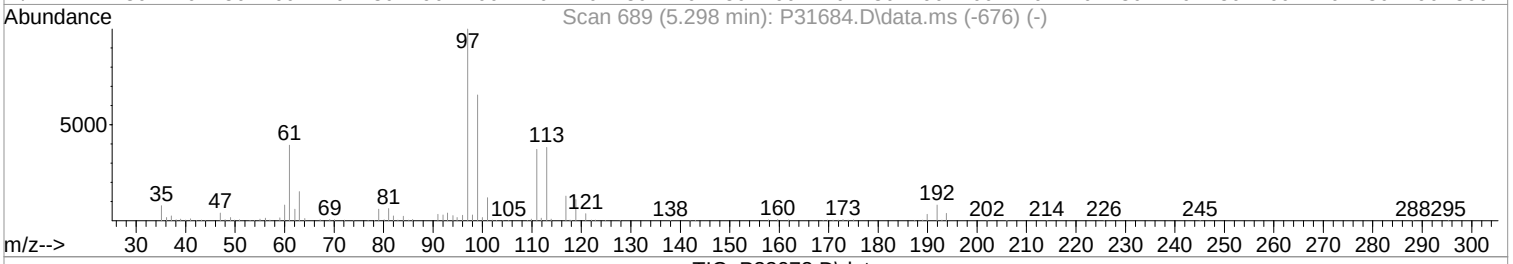
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

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

5.298min (+0.001) 0.28 ppb m

response 1179

Ion	Exp%	Act%
97.00	100	100
99.00	63.20	54.77
61.00	40.90	54.10
0.00	0.00	0.00

Manual Integration:

After

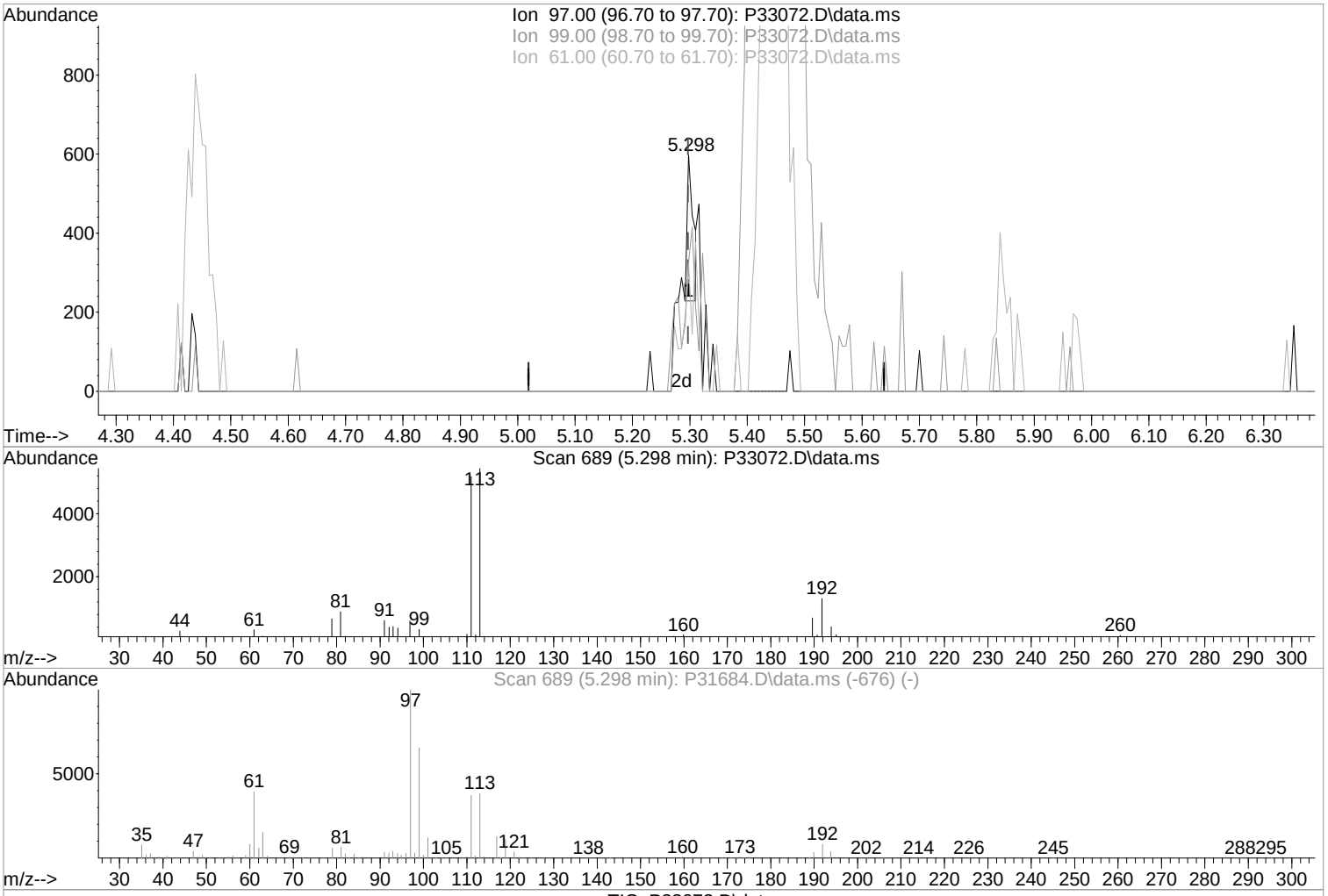
Poor integration.

01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33072.D\data.ms

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

5.298min (+0.001) 0.07 ppb

response 278

Ion	Exp%	Act%
97.00	100	100
99.00	63.20	54.77
61.00	40.90	54.10
0.00	0.00	0.00

Manual Integration:

Before

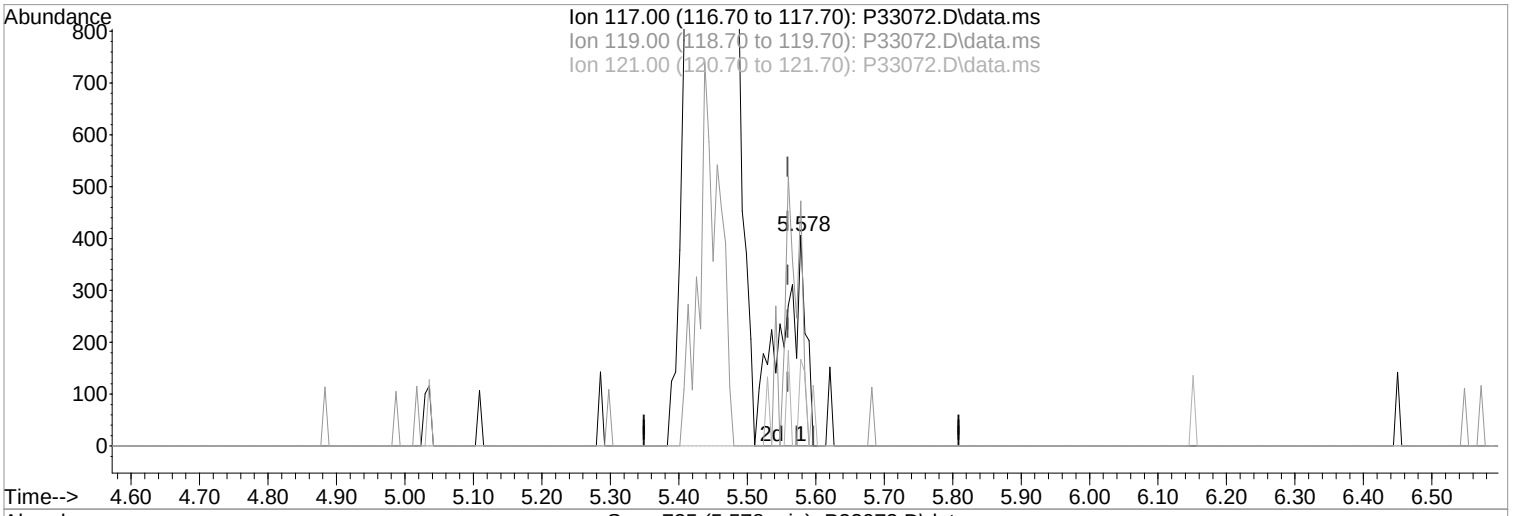
01/22/20

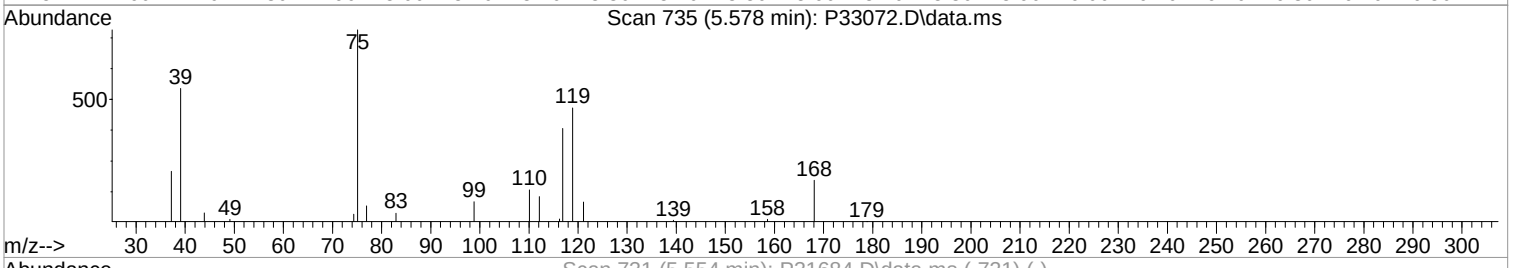
1st 01/22/20
2nd 01/22/20

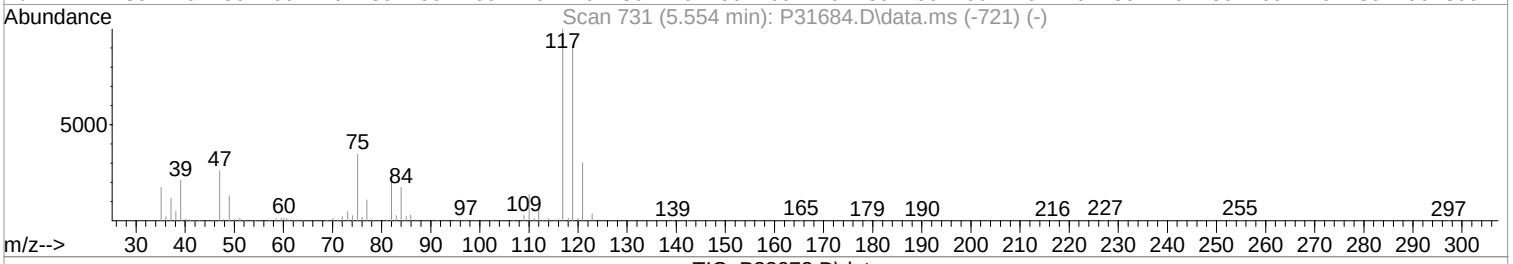
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(46) Carbontetrachloride (P)

5.578min (+0.019) 0.34 ppb m

response 1029

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	116.26#
121.00	31.70	41.13
0.00	0.00	0.00

Manual Integration:

After

Split Peak

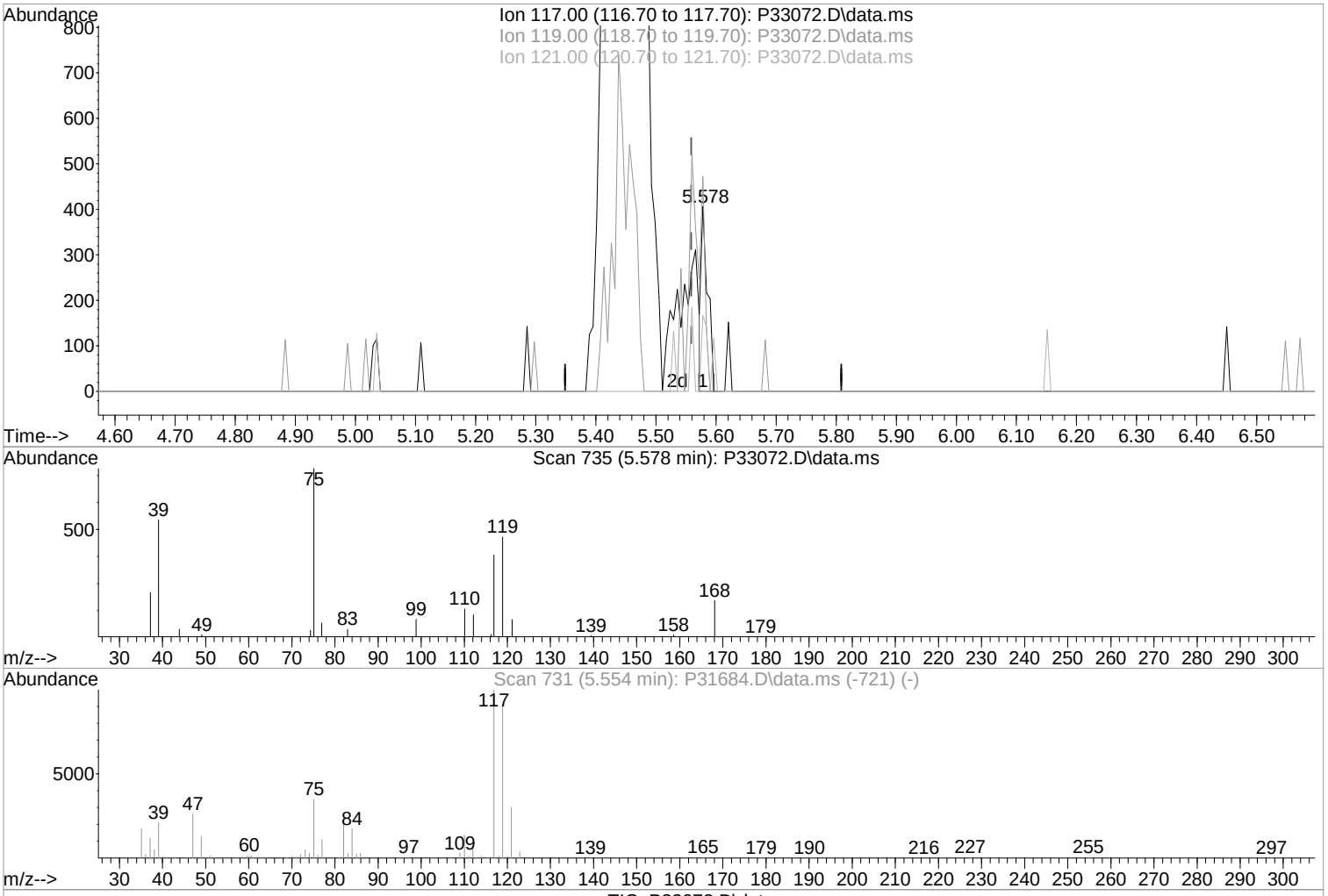
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33072.D\data.ms

(46) Carbontetrachloride (P)

5.578min (+0.019) 0.10 ppb

response 302

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	116.26#
121.00	31.70	41.13
0.00	0.00	0.00

Manual Integration:

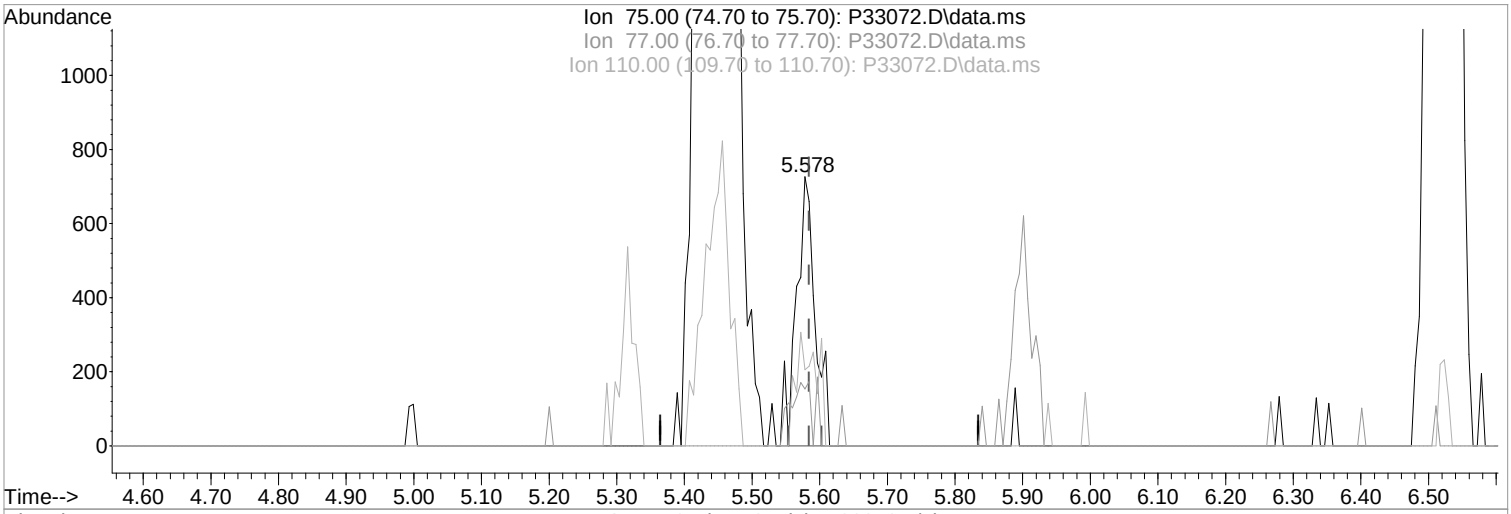
Before

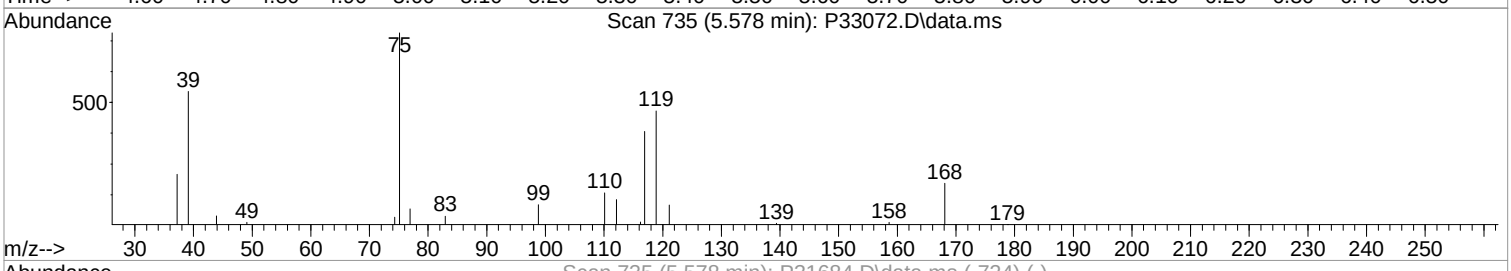
01/22/20

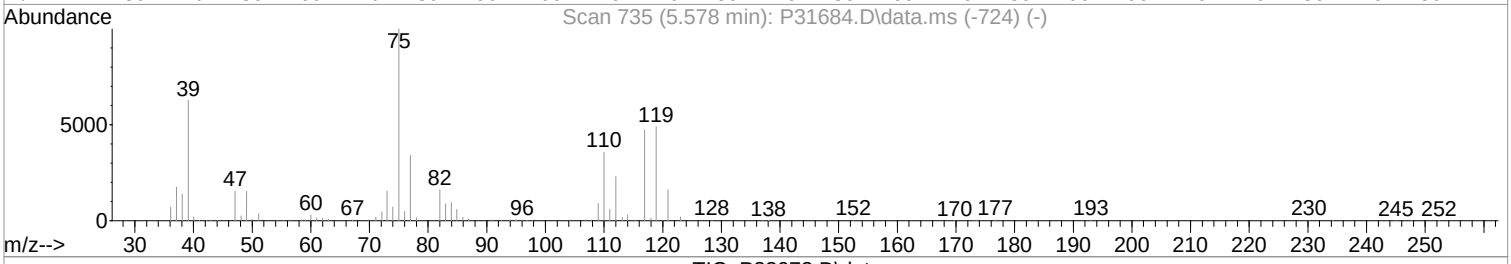
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(47) 1,1-Dichloropropene

5.578min (-0.006) 0.36 ppb m

response 1410

Ion	Exp%	Act%
75.00	100	100
77.00	33.10	21.21
110.00	33.10	28.37
0.00	0.00	0.00

Manual Integration:

After

Split Peak

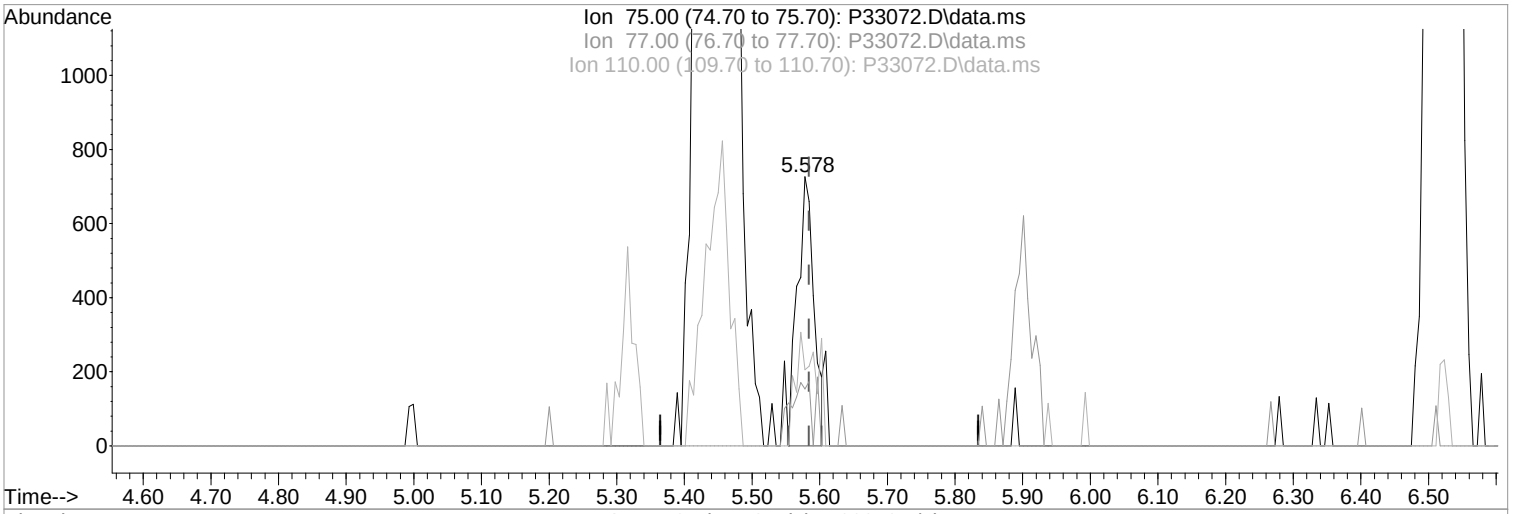
01/22/20

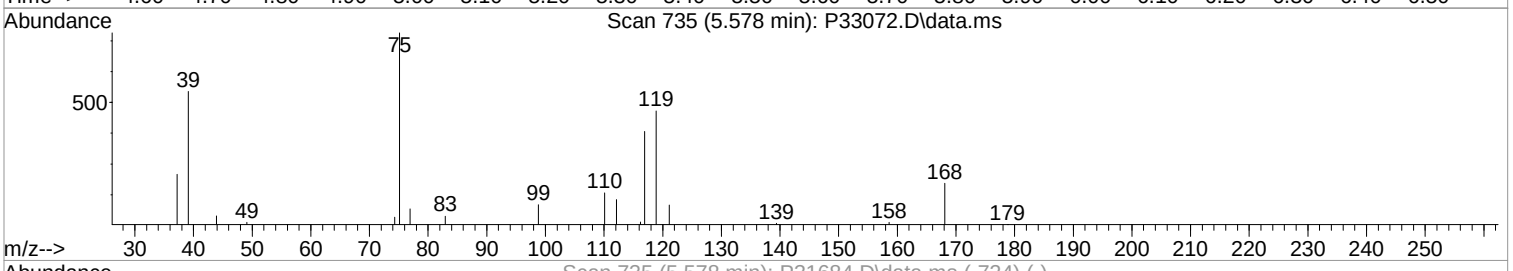
1st 01/22/20
2nd 01/22/20

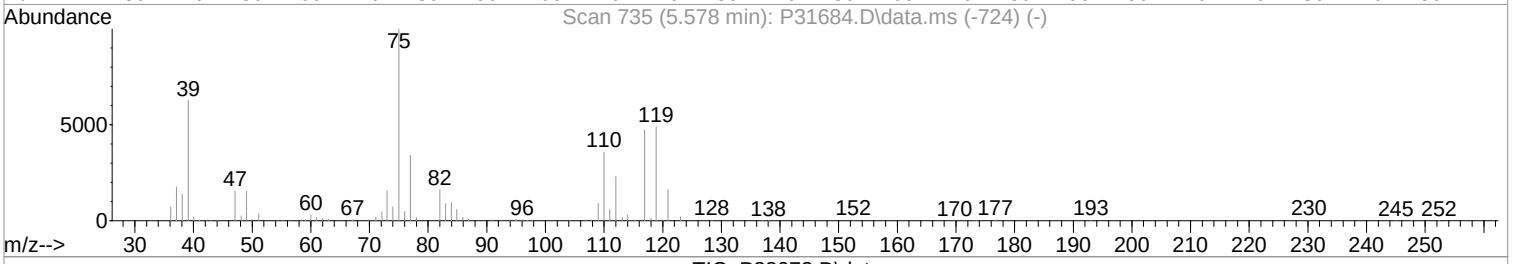
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(47) 1,1-Dichloropropene

5.578min (-0.006) 0.31 ppb

response 1233

Ion	Exp%	Act%
75.00	100	100
77.00	33.10	21.21
110.00	33.10	28.37
0.00	0.00	0.00

Manual Integration:

Before

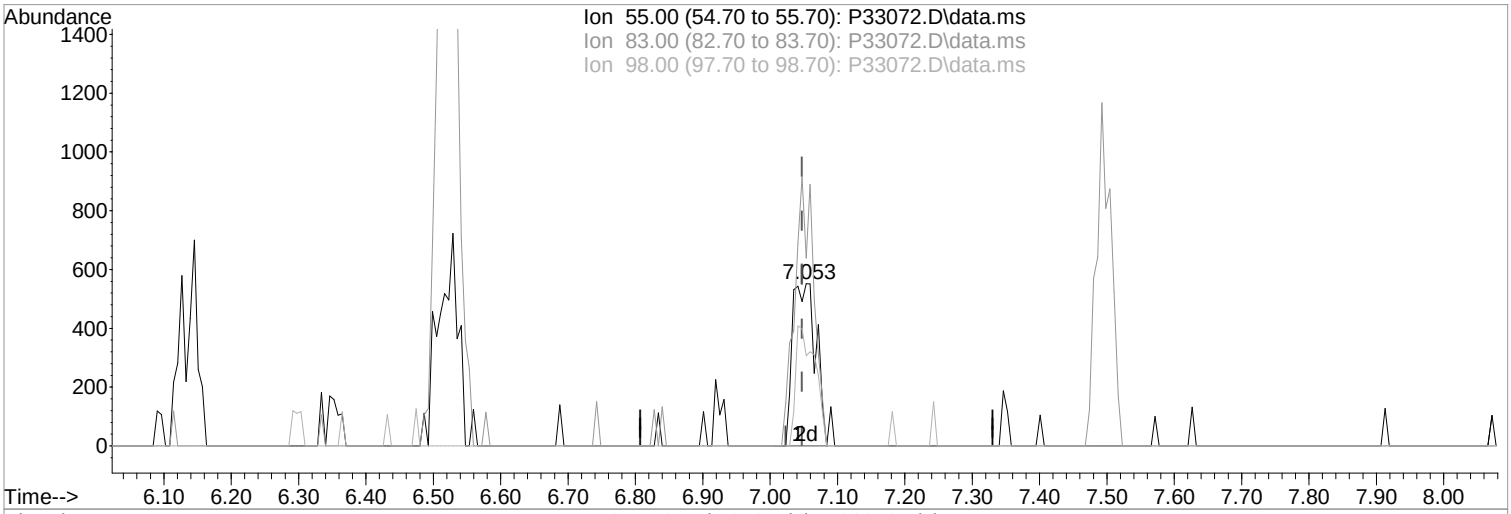
01/22/20

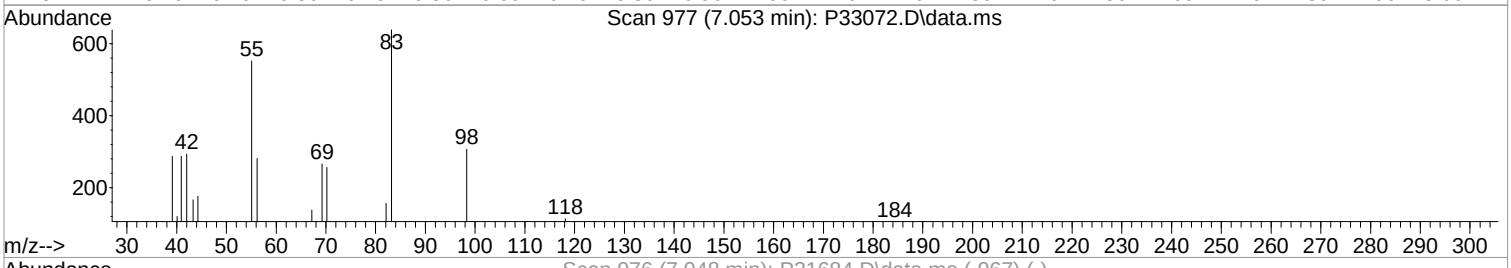
1st 01/22/20
2nd 01/22/20

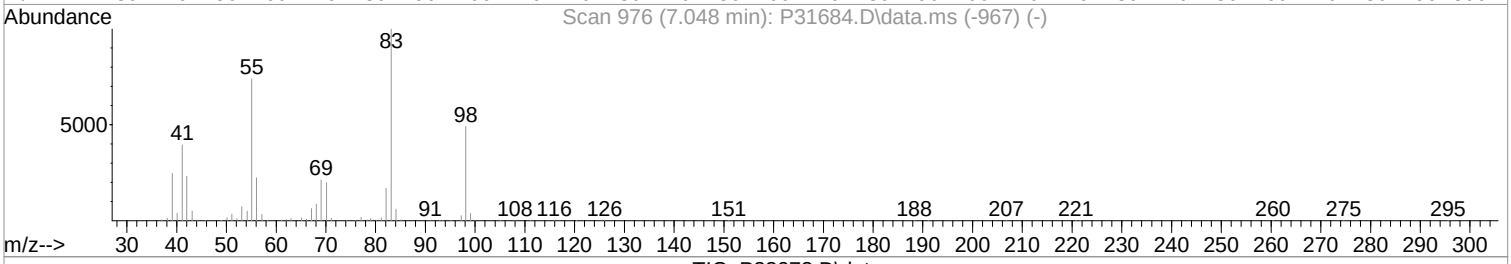
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(55) Methylcyclohexane (P)

7.053min (+0.006) 0.31 ppb m

response 1331

Ion	Exp%	Act%
55.00	100	100
83.00	135.30	115.76
98.00	66.70	55.62
0.00	0.00	0.00

Manual Integration:

After

Split Peak

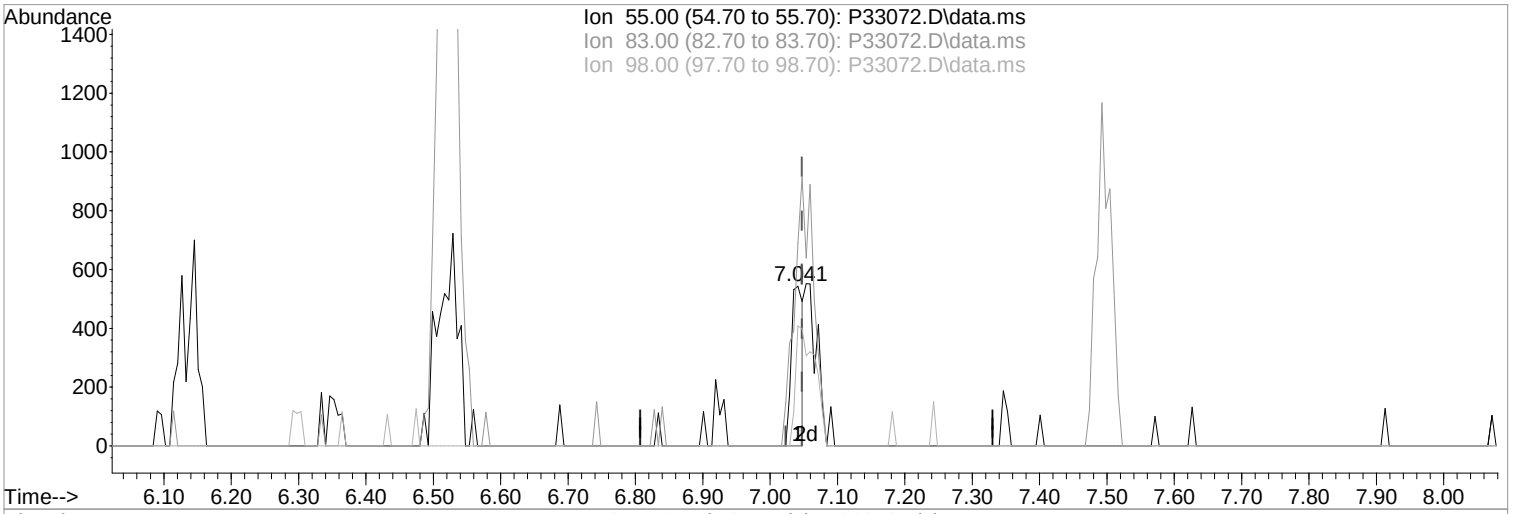
01/22/20

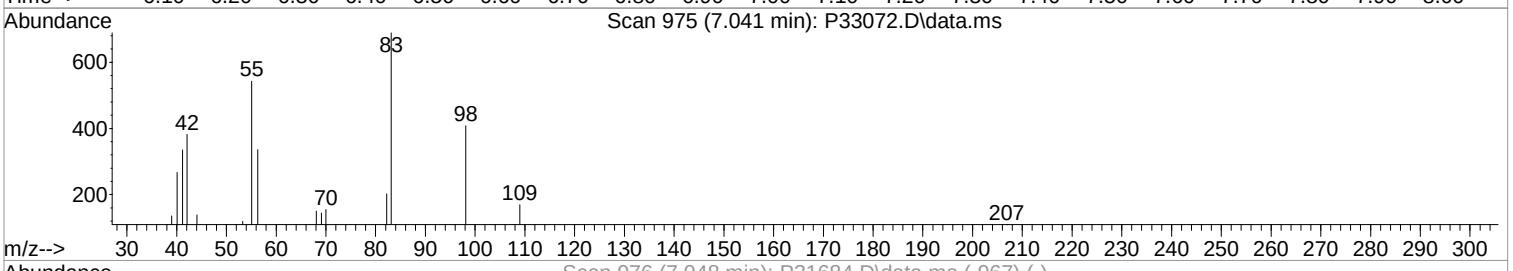
1st 01/22/20
2nd 01/22/20

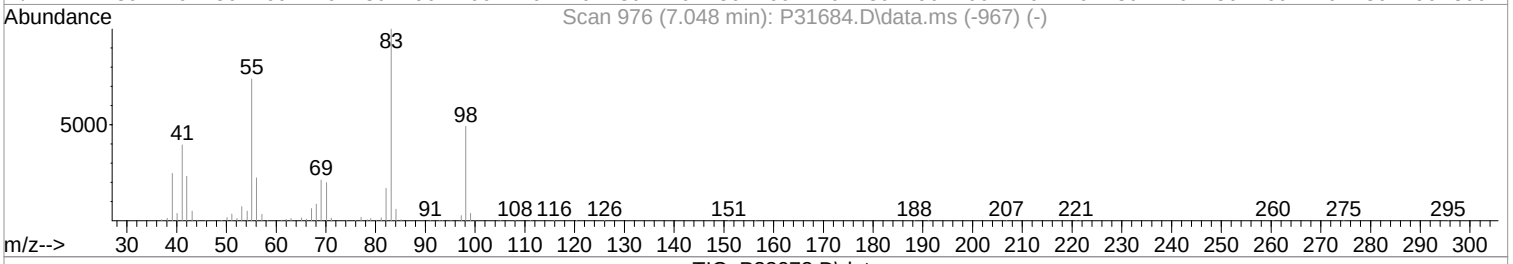
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(55) Methylcyclohexane (P)

7.041min (-0.006) 0.15 ppb

response 637

Ion	Exp%	Act%
55.00	100	100
83.00	135.30	126.89
98.00	66.70	75.14
0.00	0.00	0.00

Manual Integration:

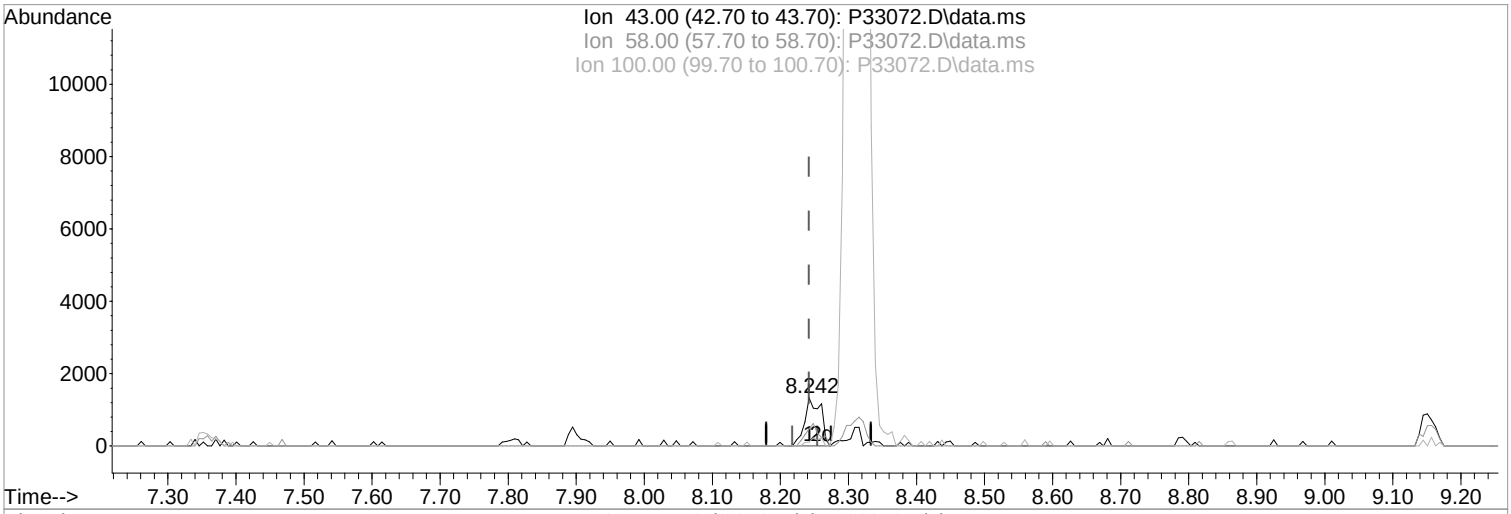
Before

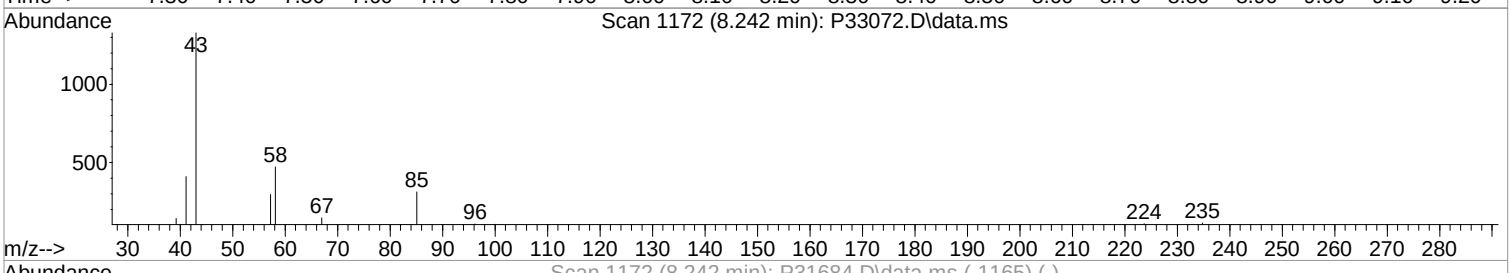
01/22/20

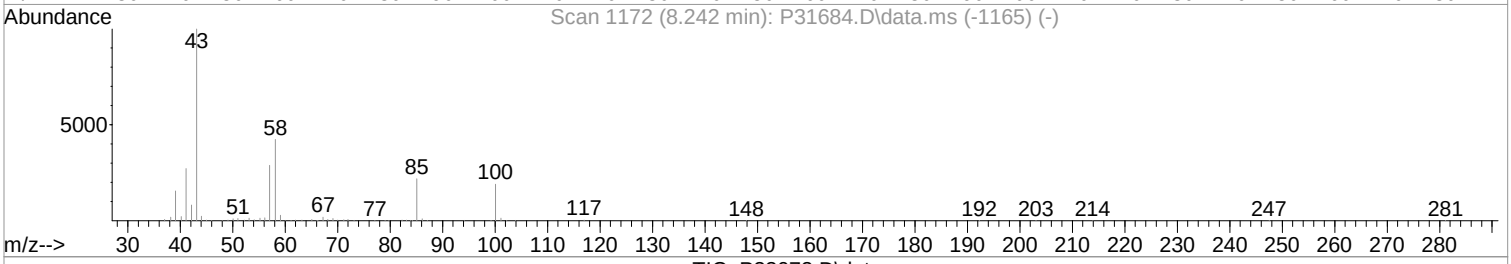
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(64) 4-Methyl-2-pentanone (P)

8.242min (-0.000) 0.51 ppb m

response 2161

Ion	Exp%	Act%
43.00	100	100
58.00	39.90	35.52
100.00	16.90	8.05
0.00	0.00	0.00

Manual Integration:

After

Split Peak

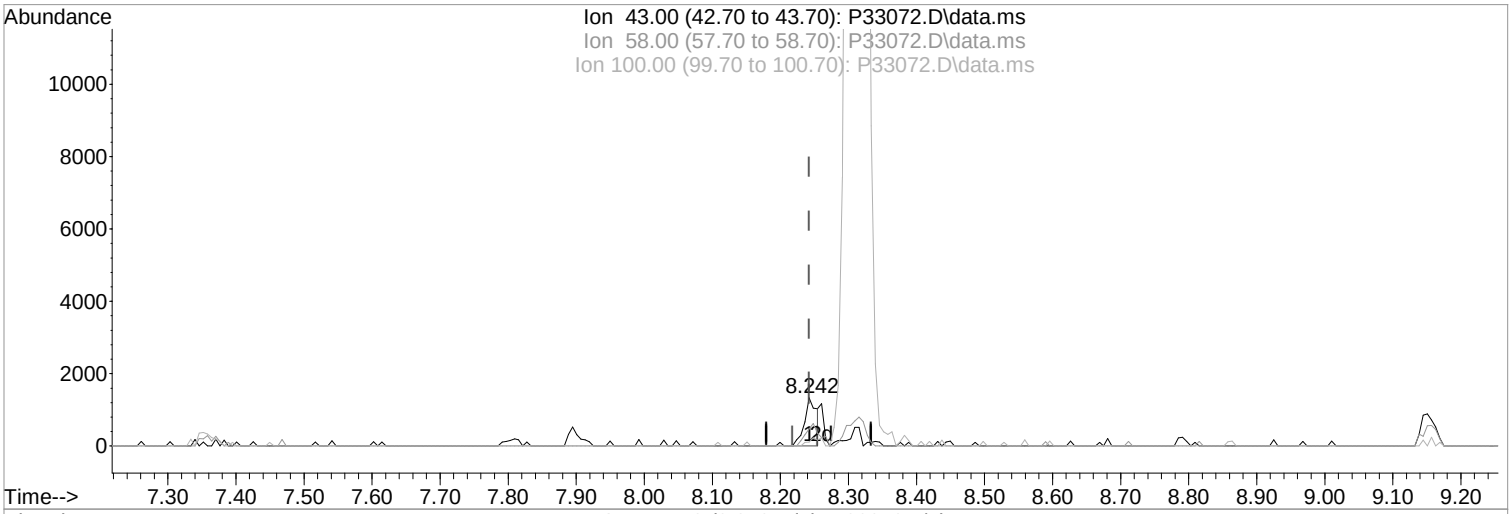
01/22/20

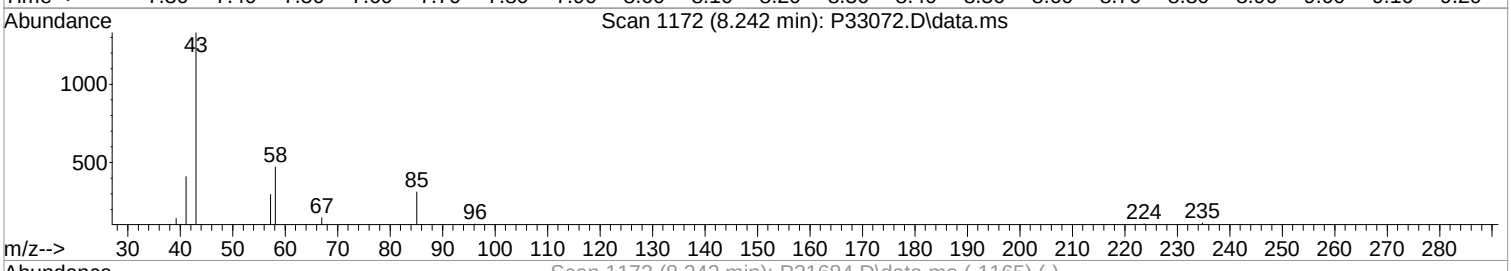
1st 01/22/20
2nd 01/22/20

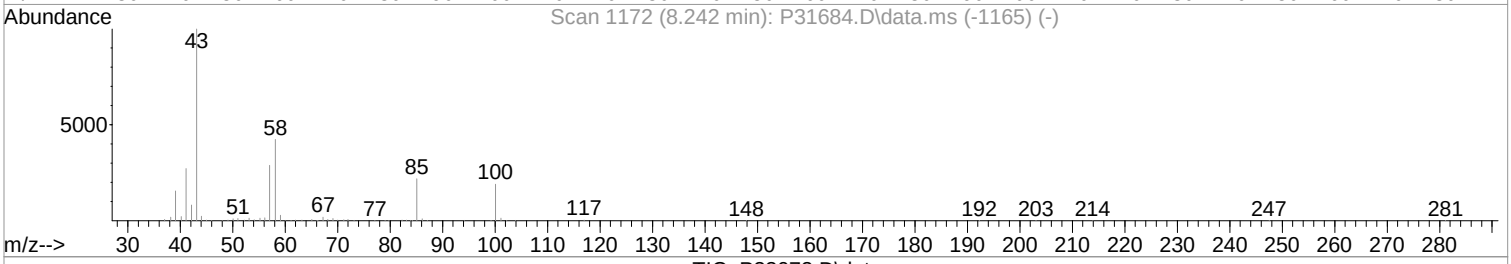
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(64) 4-Methyl-2-pentanone (P)

8.242min (-0.000) 0.39 ppb

response 1662

Ion	Exp%	Act%
43.00	100	100
58.00	39.90	35.52
100.00	16.90	8.05
0.00	0.00	0.00

Manual Integration:

Before

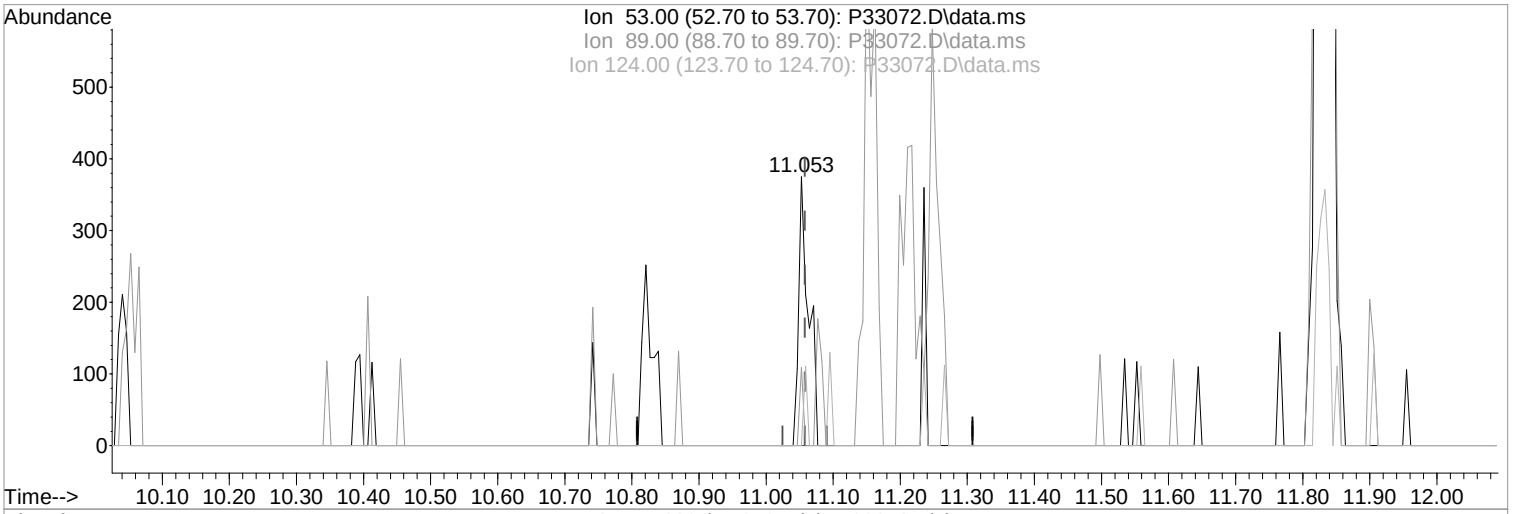
01/22/20

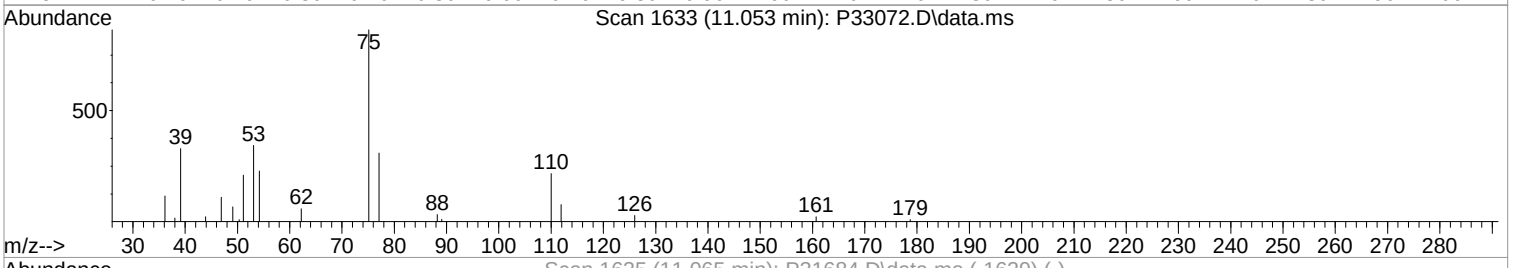
1st 01/22/20
2nd 01/22/20

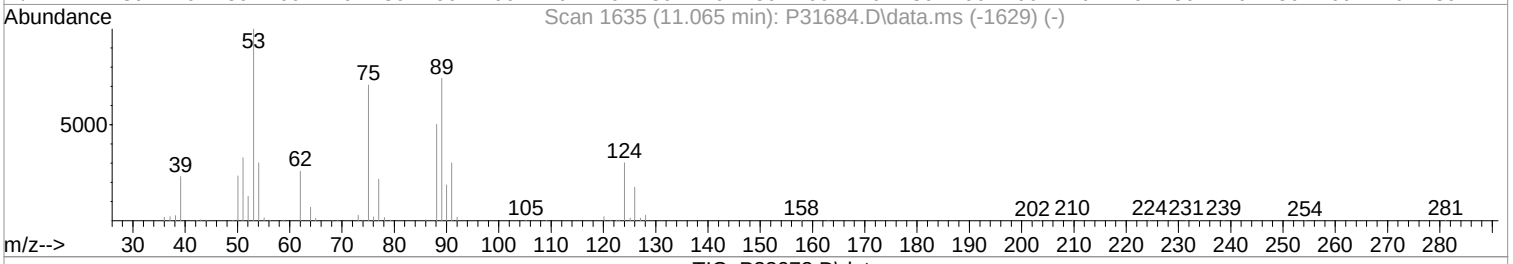
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(91) trans-1,4-Dichloro-2-Butene

11.053min (-0.005) 0.38 ppb m

response 385

Ion	Exp%	Act%
53.00	100	100
89.00	68.20	29.07#
124.00	25.20	0.00#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

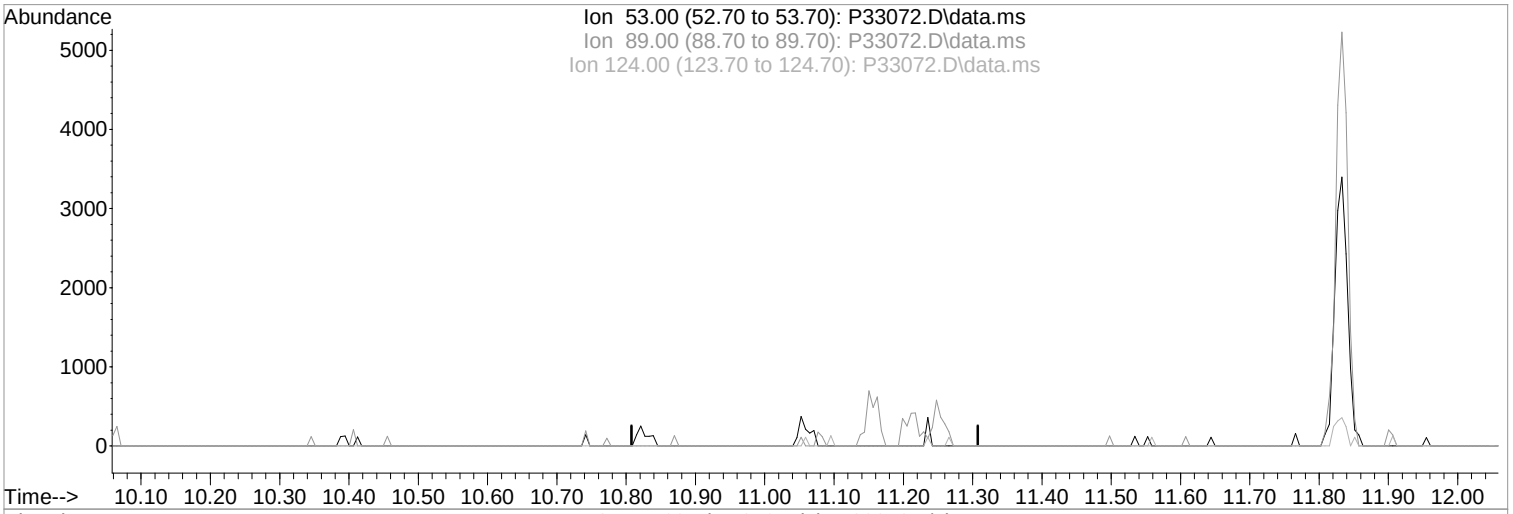
01/22/20

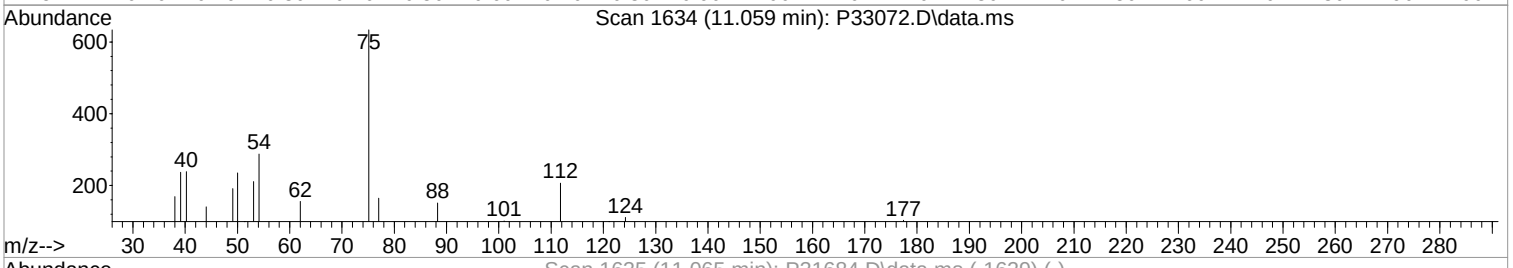
1st 01/22/20
2nd 01/22/20

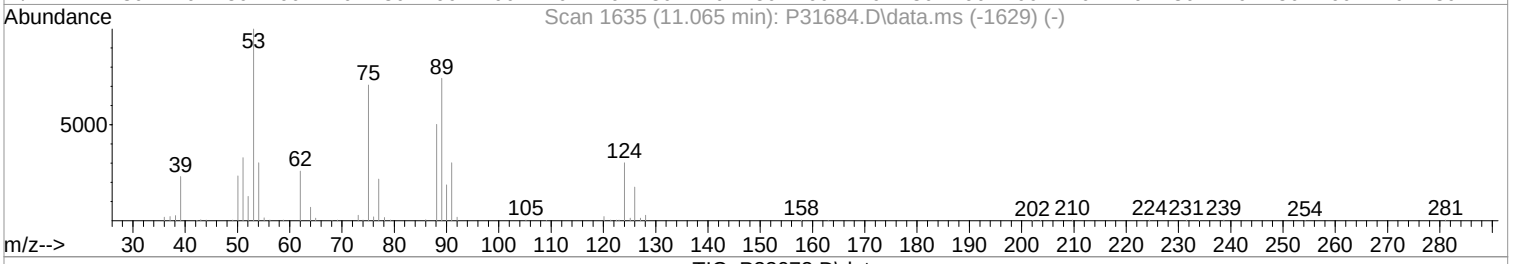
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(91) trans-1,4-Dichloro-2-Butene

11.058min (-11.058) 0.00 ppb

response 0

Ion	Exp%	Act%
53.00	100	0.00
89.00	68.20	0.00#
124.00	25.20	0.00#
0.00	0.00	0.00

Manual Integration:

Before

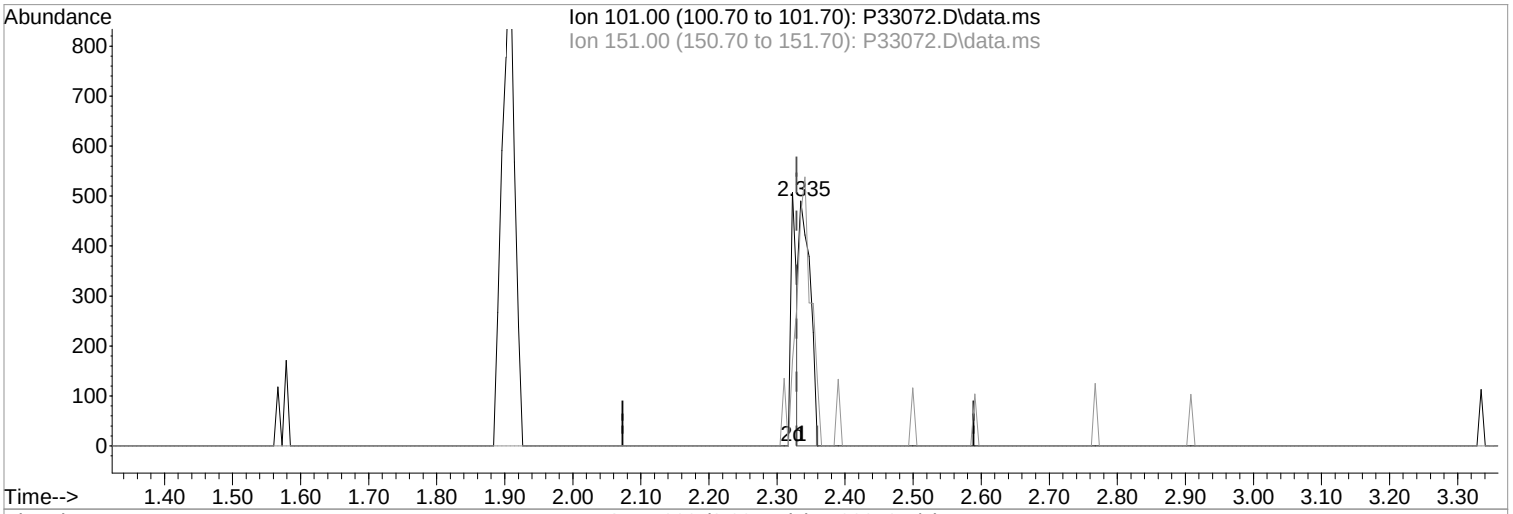
01/22/20

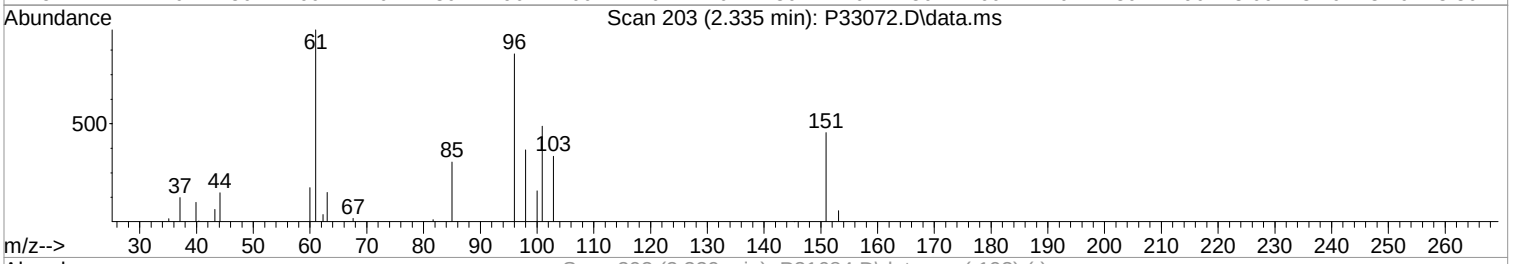
1st 01/22/20
2nd 01/22/20

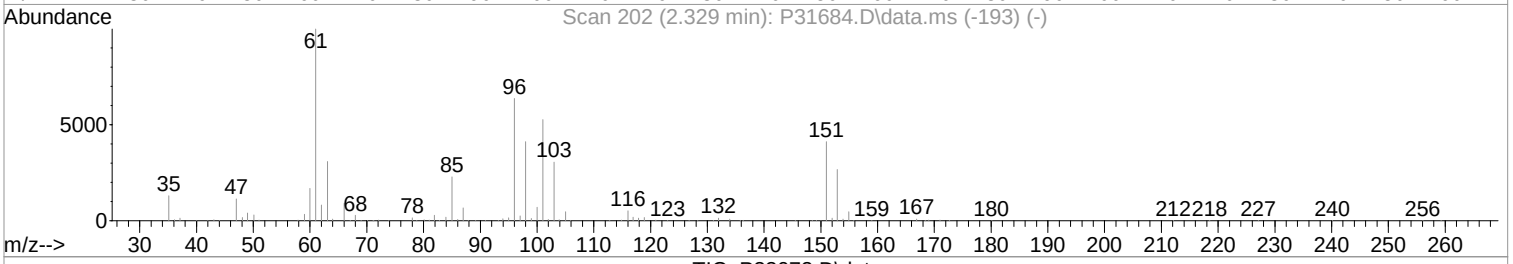
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:37:32 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33072.D\data.ms

(14) Freon 113 (P)

2.335min (+0.006) 0.22 ppb

response 555

Ion	Exp%	Act%
101.00	100	100
151.00	85.20	94.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:42:42 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	349071	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	531549	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	477197	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	256153	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	32172	11.46	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 22.92%#				
48) surr1,1,2-dichloroetha...	5.852	65	40307	11.84	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 23.68%#				
65) SURR3,Toluene-d8	8.309	98	162369	12.39	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 24.78%#				
70) SURR2,BFB	10.864	95	60774	12.01	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 24.02%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	960	0.25	ppb		67
3) Chloromethane	1.329	50	1491	0.35	ppb	#	62
4) Vinyl Chloride	1.402	62	1411	0.32	ppb		76
5) Bromomethane	1.640	94	2000	0.59	ppb		97
6) Chloroethane	1.713	64	1228	0.45	ppb		84
7) Freon 21	1.865	67	1678	0.34	ppb		90
8) Trichlorofluoromethane	1.908	101	1268	0.32	ppb	#	70
9) Diethyl Ether	2.146	59	1546	0.50	ppb		95
10) Freon 123a	2.152	67	1298	0.41	ppb		82
11) Freon 123	2.207	83	1373	0.35	ppb		79
12) Acrolein	2.268	56	2551	2.83	ppb		97
13) 1,1-Diclethene	2.335	96	967	0.35	ppb	#	73
14) Freon 113	2.323	101	859m	0.34	ppb		
15) Acetone	2.402	43	1520	1.04	ppb		82
16) 2-Propanol	2.548	45	2491m	8.72	ppb		
17) Iodomethane	2.475	142	712	0.21	ppb		86
18) Carbon Disulfide	2.524	76	3815	0.46	ppb		91
20) Allyl Chloride	2.688	76	693m	0.44	ppb		
21) Methyl Acetate	2.713	43	1811	0.54	ppb		72
22) Methylene Chloride	2.798	84	2647	0.75	ppb	#	82
23) TBA	2.945	59	3925	8.15	ppb		100
24) Acrylonitrile	3.079	53	4439	2.47	ppb	#	70
25) Methyl-t-Butyl Ether	3.103	73	4968	0.47	ppb		91
26) trans-1,2-Dichloroethene	3.079	96	1148m	0.38	ppb		
28) 1,1-Diclethane	3.591	63	1869	0.36	ppb		76
29) Vinyl Acetate	3.700	86	152m	0.20	ppb		
30) DIPE	3.707	45	3687	0.41	ppb		97
31) 2-Chloro-1,3-Butadiene	3.707	53	1344	0.28	ppb	#	58
32) ETBE	4.231	59	3843	0.42	ppb		86
33) 2,2-Dichloropropane	4.432	77	1246m	0.31	ppb		
34) cis-1,2-Dichloroethene	4.438	96	1674m	0.48	ppb		
36) Propionitrile	4.627	54	1584	2.20	ppb		59
37) Bromochloromethane	4.859	130	1091m	0.51	ppb		
38) Methacrylonitrile	4.895	67	886	0.45	ppb	#	82
40) Chloroform	5.036	83	3130m	0.59	ppb		
41) 1,1,1-Trichloroethane	5.298	97	1179m	0.28	ppb		
42) TAME	6.133	73	4461	0.47	ppb		87
46) Carbontetrachloride	5.578	117	1029m	0.34	ppb		
47) 1,1-Dichloropropene	5.578	75	1410m	0.36	ppb		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:42:42 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	Benzene	5.901	78	5049	0.38	ppb		88
50)	1,2-Dichloroethane	5.968	62	2289	0.54	ppb		94
51)	Iso-Butyl Alcohol	5.962	43	1244	6.46	ppb	#	68
52)	n-Heptane	6.358	43	1077	0.26	ppb		76
53)	1-Butanol	6.919	56	1670	14.39	ppb		99
54)	Trichloroethene	6.834	130	1248	0.37	ppb	#	84
55)	Methylcyclohexane	7.053	55	1331m	0.31	ppb		
56)	1,2-Diclpropane	7.133	63	1382	0.42	ppb		100
57)	Dibromomethane	7.273	93	992	0.51	ppb	#	82
58)	1,4-Dioxane	7.358	88	782	10.72	ppb		75
59)	Methyl Methacrylate	7.358	69	1315	0.42	ppb	#	81
60)	Bromodichloromethane	7.492	83	1785	0.49	ppb		74
62)	2-Chloroethylvinyl Ether	7.901	63	797	0.39	ppb		97
63)	cis-1,3-Dichloropropene	8.029	75	1831	0.37	ppb		92
64)	4-Methyl-2-pentanone	8.242	43	2161m	0.51	ppb		
66)	Toluene	8.382	91	5829	0.41	ppb		87
67)	trans-1,3-Dichloropropene	8.669	75	1810	0.41	ppb		78
68)	Ethyl Methacrylate	8.803	69	2330	0.46	ppb		78
69)	1,1,2-Trichloroethane	8.858	97	2073	0.61	ppb	#	68
72)	Tetrachloroethene	8.962	164	1120	0.42	ppb	#	79
73)	2-Hexanone	9.151	43	1283	0.41	ppb		93
74)	1,3-Dichloropropane	9.029	76	2987	0.52	ppb		79
75)	Dibromochloromethane	9.248	129	1394	0.53	ppb	#	63
76)	N-Butyl Acetate	9.291	43	1637	0.29	ppb		96
77)	1,2-Dibromoethane	9.346	107	1496	0.46	ppb		97
78)	Chlorobenzene	9.821	112	3935	0.42	ppb		92
79)	3-CBTF	9.833	180	1944	0.36	ppb	#	67
80)	4-CBTF	9.894	180	1943	0.39	ppb		81
81)	1,1,1,2-Tetrachloroethane	9.913	131	1153	0.41	ppb	#	70
82)	Ethylbenzene	9.937	106	2139	0.42	ppb	#	70
83)	(m+p)Xylene	10.047	106	4491	0.73	ppb		91
84)	o-Xylene	10.406	106	2444	0.40	ppb		89
85)	Styrene	10.425	104	4303	0.41	ppb		94
87)	Bromoform	10.583	173	543	0.34	ppb	#	38
88)	2-CBTF	10.656	180	2004	0.39	ppb	#	80
89)	Isopropylbenzene	10.736	105	5521	0.37	ppb		91
90)	Cyclohexanone	10.827	55	6549	8.21	ppb		99
91)	trans-1,4-Dichloro-2-B...	11.053	53	385m	0.38	ppb		
92)	1,1,2,2-Tetrachloroethane	11.010	83	1793	0.40	ppb		95
93)	Bromobenzene	10.986	156	1657	0.41	ppb	#	66
94)	1,2,3-Trichloropropane	11.040	110	613	0.41	ppb	#	76
95)	n-Propylbenzene	11.089	91	5703	0.32	ppb		93
96)	2-Chlorotoluene	11.156	91	4344	0.40	ppb		97
97)	3-Chlorotoluene	11.211	91	4908	0.43	ppb		90
98)	4-Chlorotoluene	11.254	91	5016	0.42	ppb		95
99)	1,3,5-Trimethylbenzene	11.236	105	4731	0.38	ppb		89
100)	tert-Butylbenzene	11.510	119	3432	0.30	ppb		67
101)	1,2,4-Trimethylbenzene	11.546	105	4565	0.35	ppb		82
102)	3,4-DCBTF	11.620	214	1648	0.37	ppb	#	61
103)	sec-Butylbenzene	11.693	105	5841	0.36	ppb		96
104)	p-Isopropyltoluene	11.815	119	5022	0.36	ppb		91
105)	1,3-Dclbenz	11.778	146	3651	0.47	ppb		86
106)	1,4-Dclbenz	11.857	146	3561	0.44	ppb		88
107)	2,4-DCBTF	11.900	214	1396	0.34	ppb	#	77
108)	2,5-DCBTF	11.949	214	1721	0.38	ppb	#	76
109)	n-Butylbenzene	12.144	91	4322	0.35	ppb		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
Sample : 0.5ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:42:42 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) 1,2-Dclbenz	12.162	146	3570	0.45	ppb	#	79
111) 1,2-Dibromo-3-chloropr...	12.790	157	459m	0.43	ppb		
112) Trielution Dichlorotol...	12.900	125	8470	1.24	ppb	#	93
113) 1,3,5 Trichlorobenzene	12.943	180	2727	0.43	ppb	#	89
114) Coelution Dichlorotoluene	13.223	125	6619	0.88	ppb	#	89
115) 1,2,4-Tcbenzene	13.430	180	3415	0.56	ppb	#	80
116) Hexachlorobt	13.558	225	883	0.36	ppb		90
117) Naphthalen	13.619	128	7624	0.45	ppb		90
118) 1,2,3-Tclbenzene	13.808	180	2776	0.46	ppb		95
119) 2,4,5-Trichlorotolene	14.387	159	2142	0.50	ppb		94
120) 2,3,6-Trichlorotoluene	14.473	159	2091	0.52	ppb		93

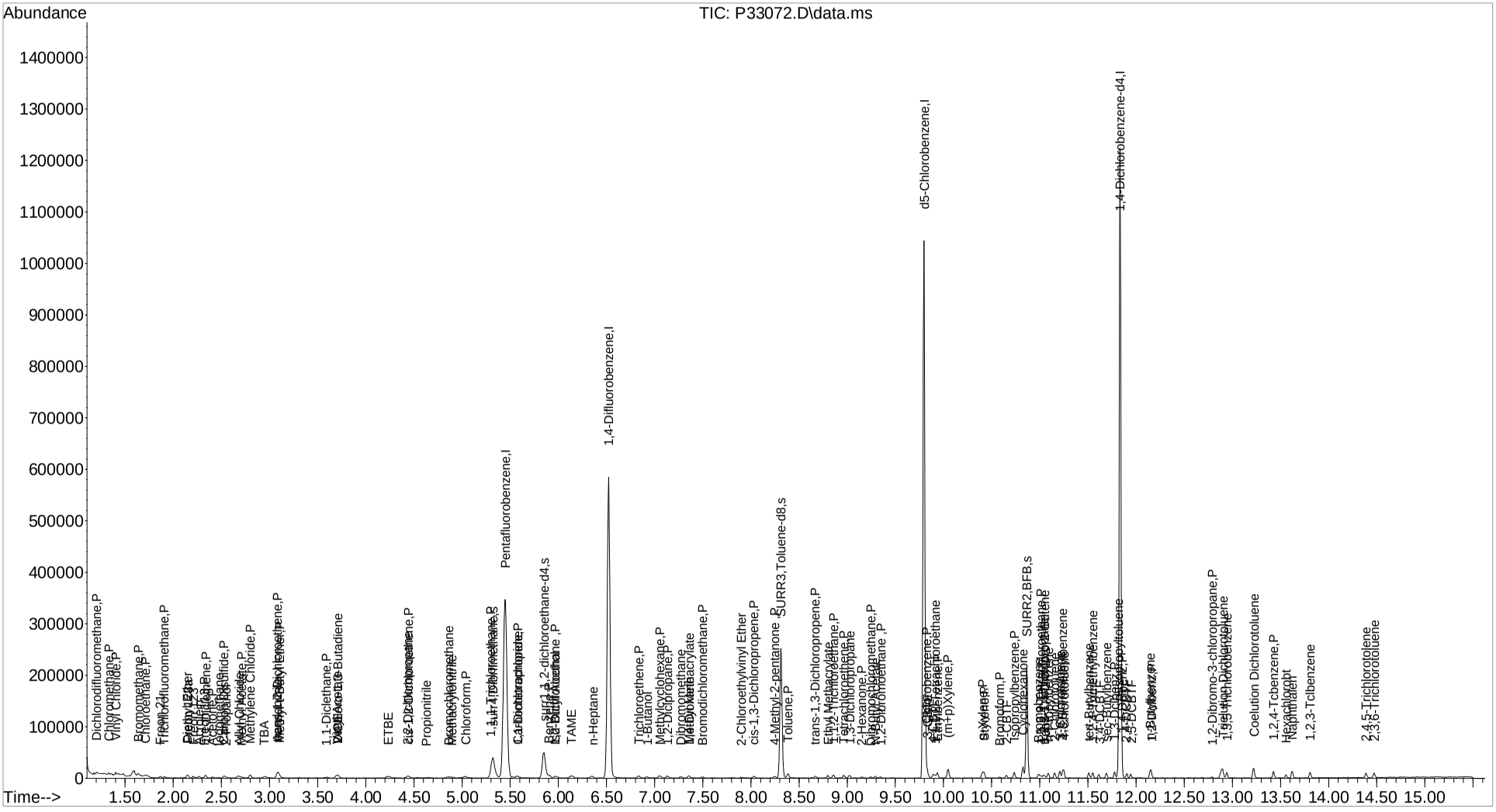
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33072.D
Acq On : 21 Jan 2020 1:10 pm
Operator : K.Ruest
ample : 0.5ppb Inst : MSVOA-12
isc : WATER ICAL
ALS Vial : 3 Sample Multiplier: 1

1st 01/22/20
2nd 01/22/20

Quant Time: Jan 22 10:42:42 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

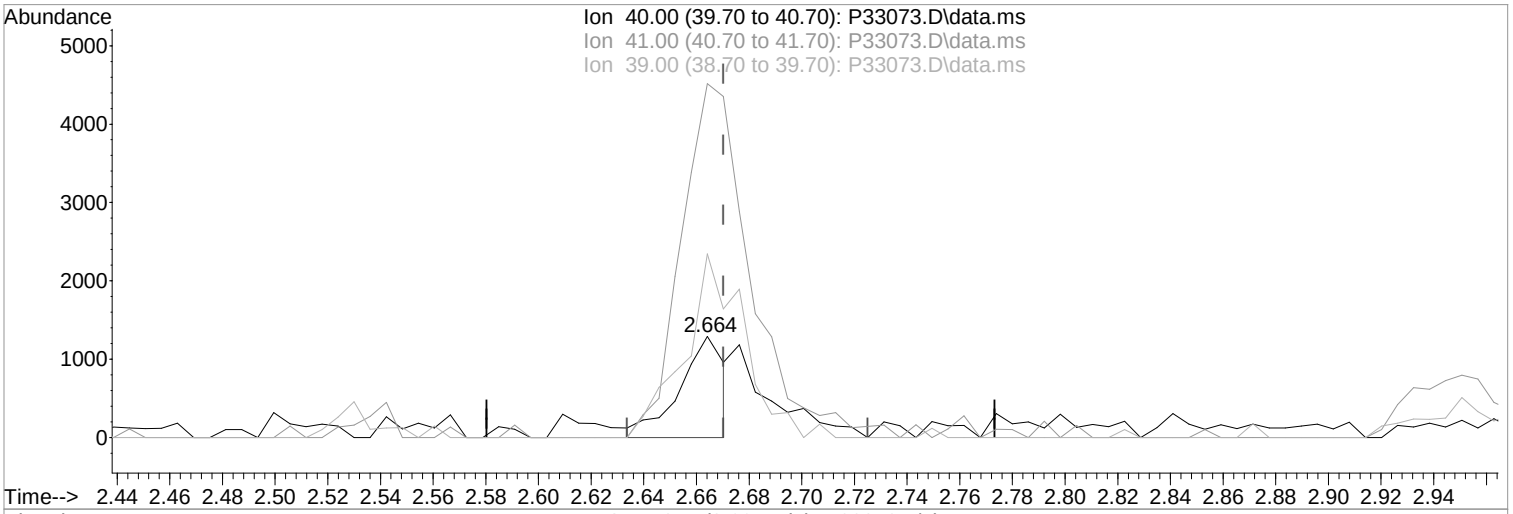


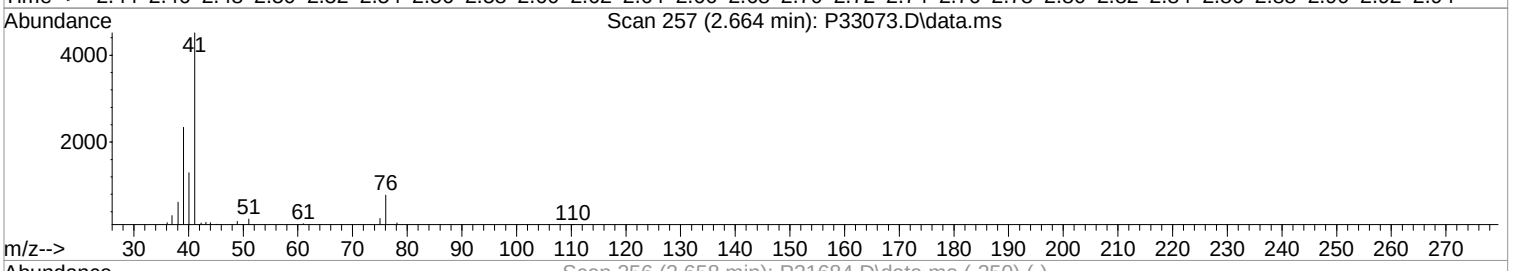
1st 01/22/20
2nd 01/22/20

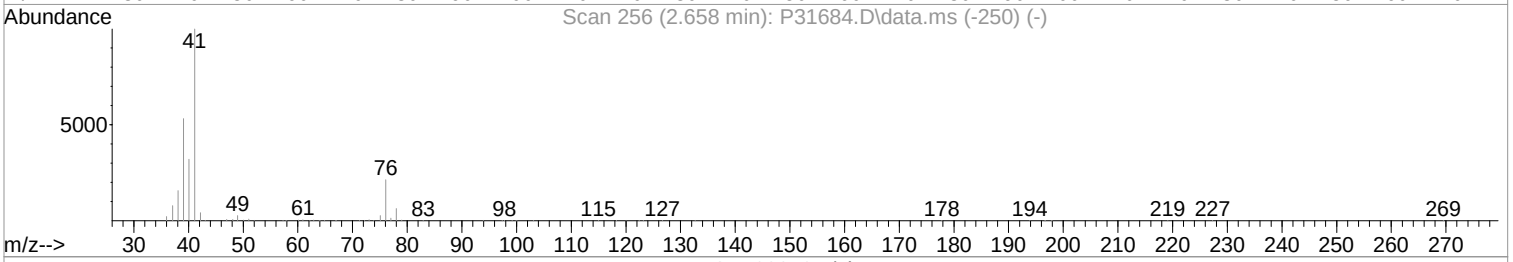
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(19) Acetonitrile

2.664min (-0.006) 6.81 ppb m

response 1511

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	349.61
39.00	158.80	181.35#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

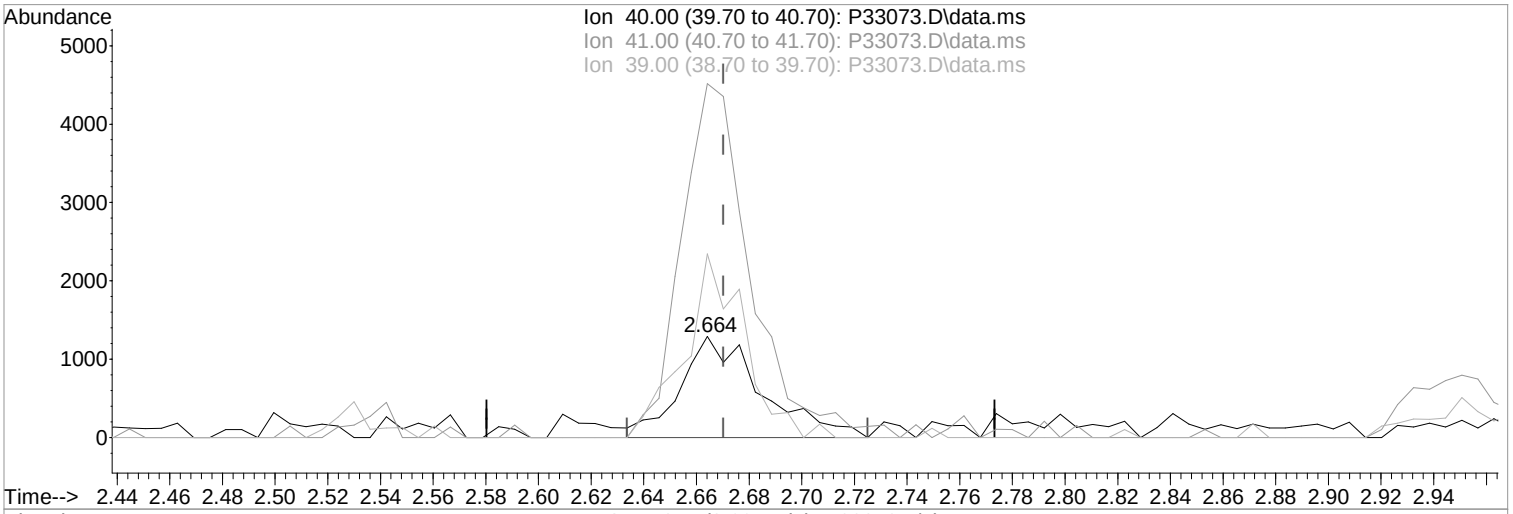
01/22/20

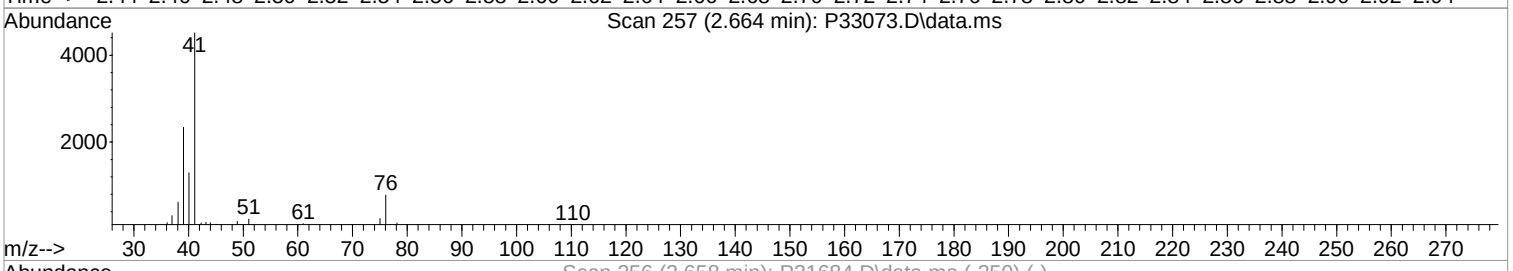
1st 01/22/20
2nd 01/22/20

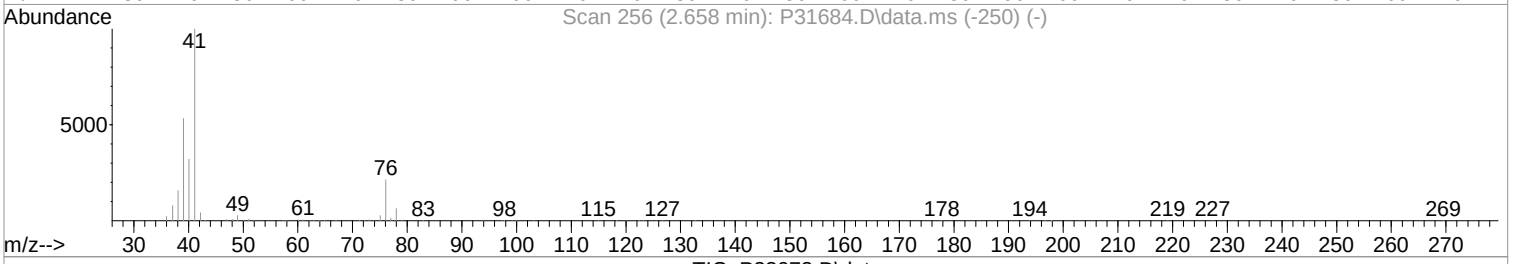
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(19) Acetonitrile

2.664min (-0.006) 12.40 ppb

response 2753

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	349.61
39.00	158.80	181.35#
0.00	0.00	0.00

Manual Integration:

Before

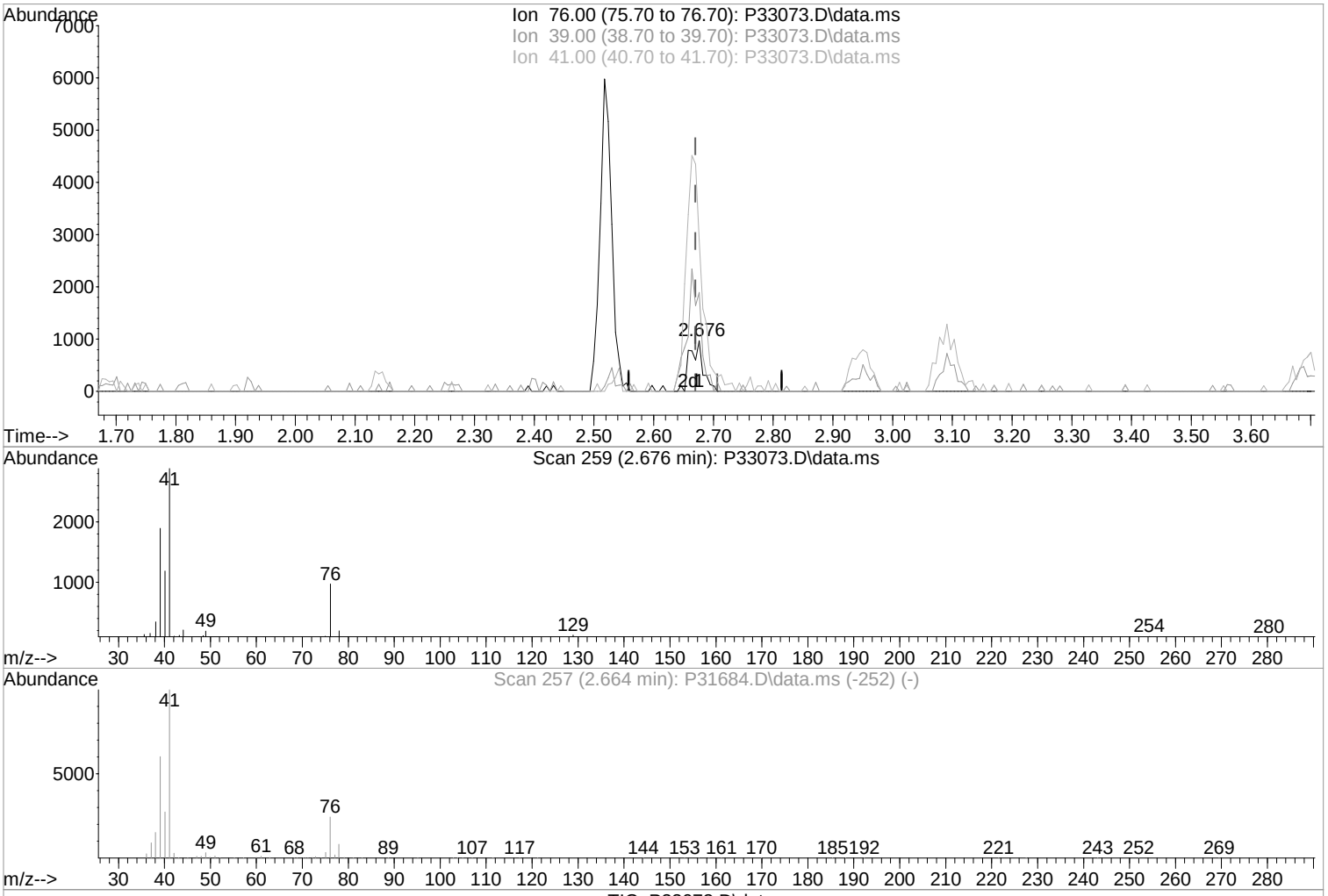
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(20) Allyl Chloride

2.676min (+0.006) 0.95 ppb m

response 1500

Ion	Exp%	Act%
76.00	100	100
39.00	205.60	194.86
41.00	422.70	296.91#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

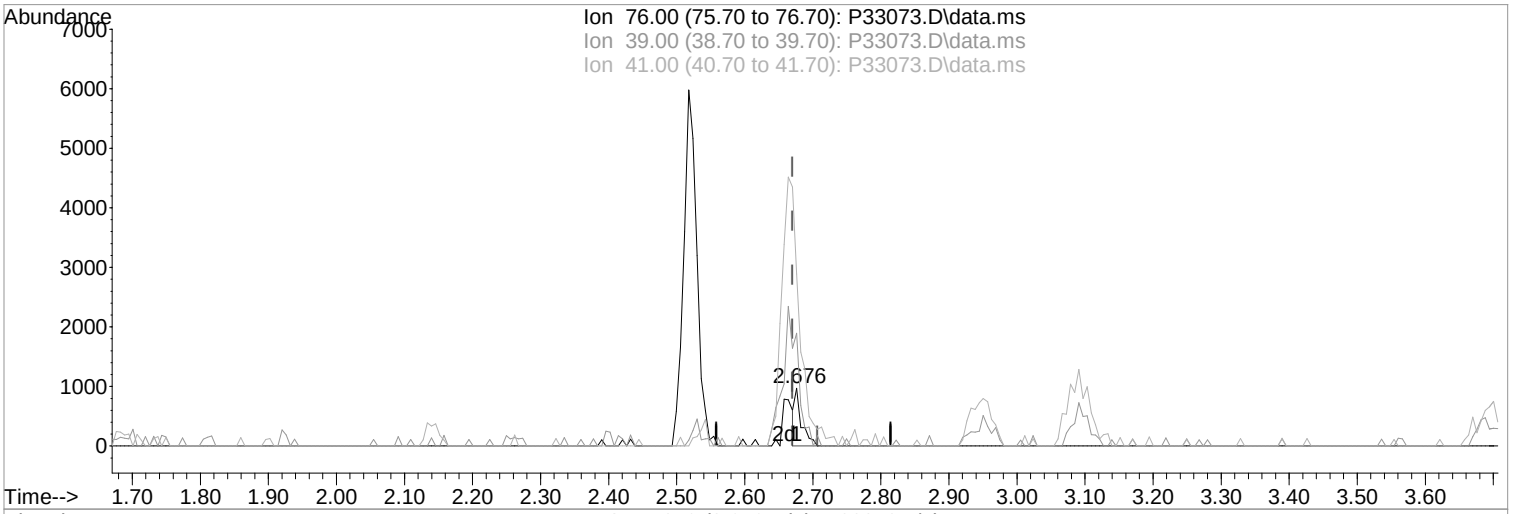
01/22/20

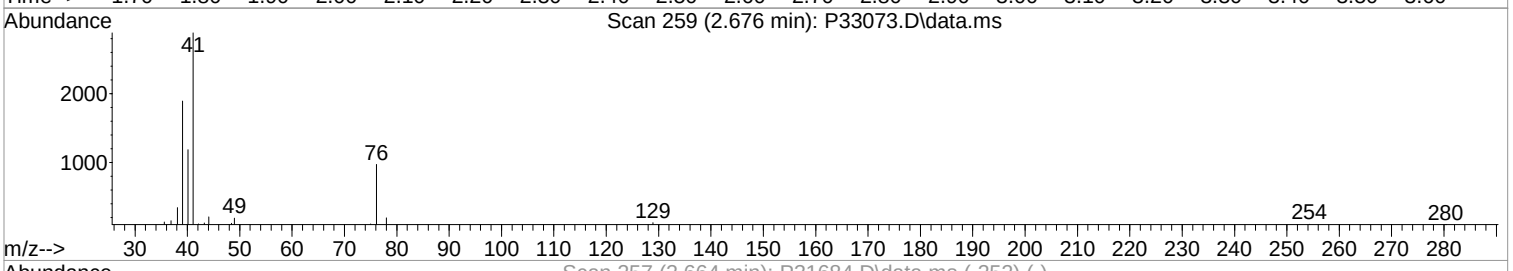
1st 01/22/20
2nd 01/22/20

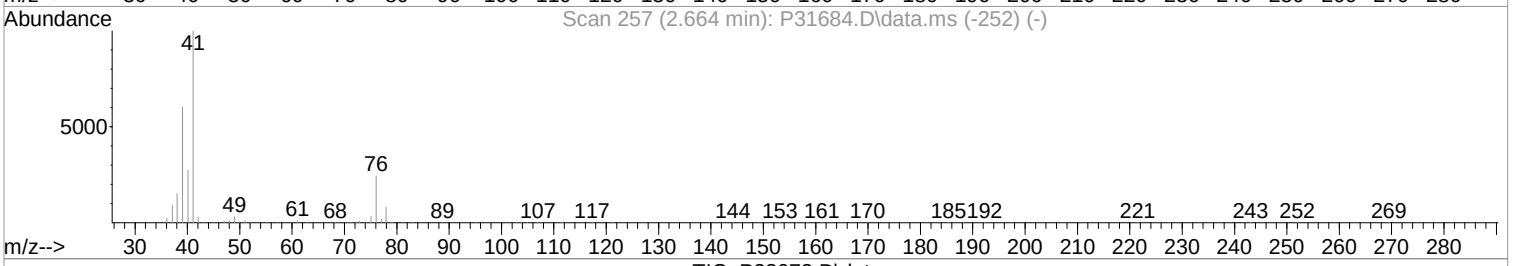
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(20) Allyl Chloride

2.676min (+0.006) 0.42 ppb

response 668

Ion	Exp%	Act%
76.00	100	100
39.00	205.60	194.86
41.00	422.70	296.91#
0.00	0.00	0.00

Manual Integration:

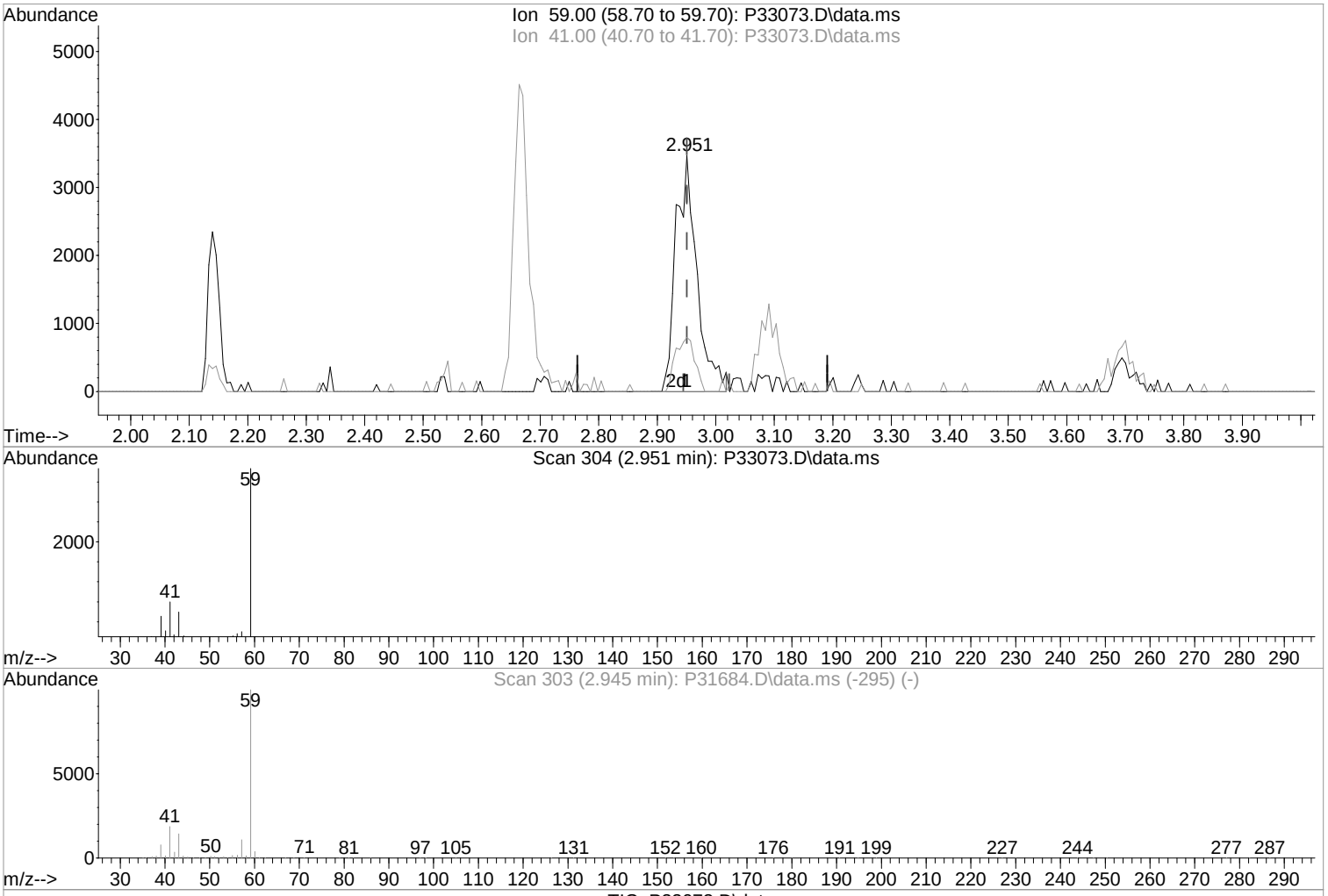
Before

01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(23) TBA

2.951min (-0.000) 17.96 ppb m

response 8696

Ion	Exp%	Act%
59.00	100	100
41.00	19.20	22.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

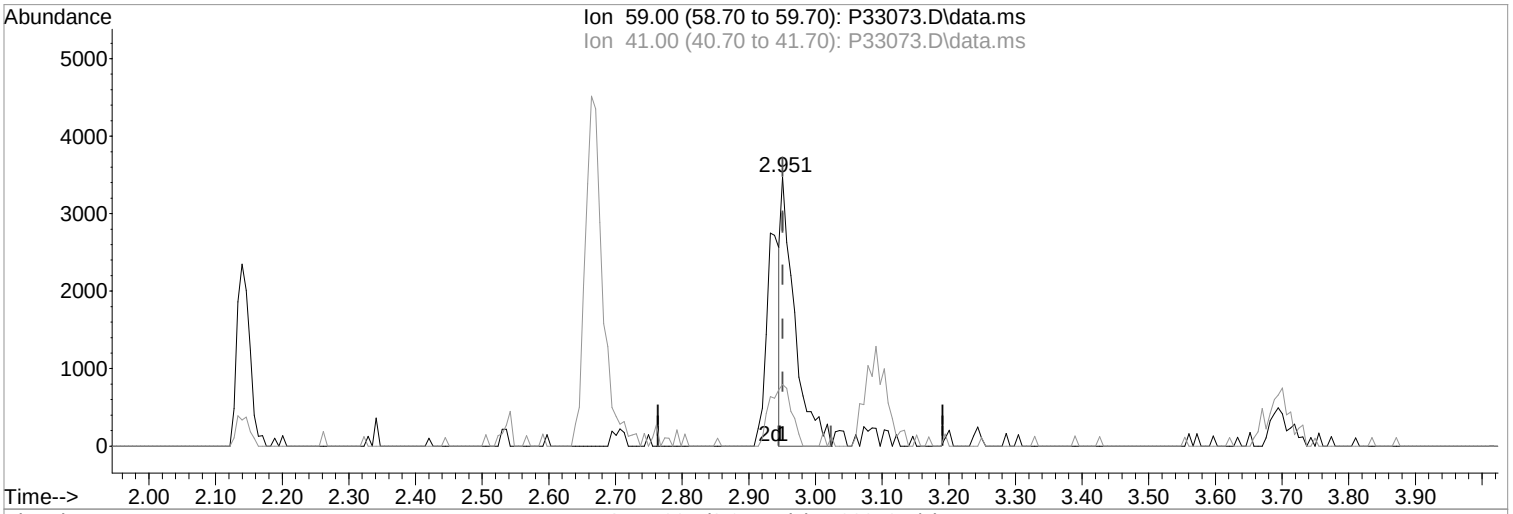
01/22/20

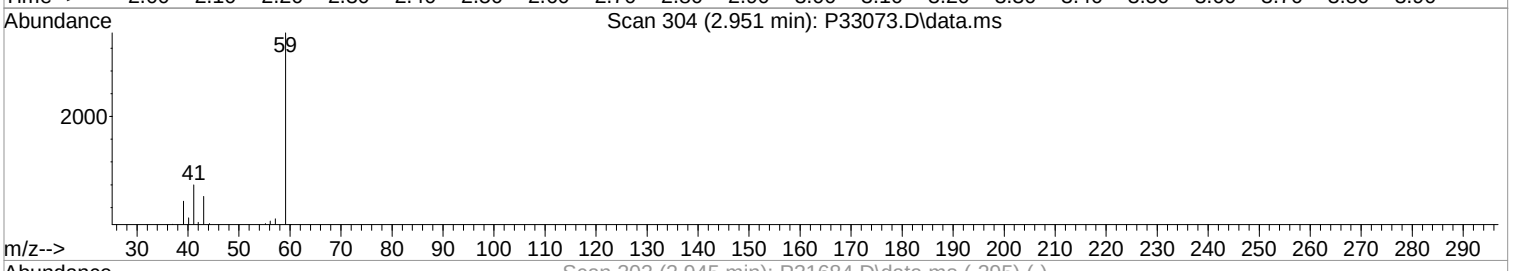
1st 01/22/20
2nd 01/22/20

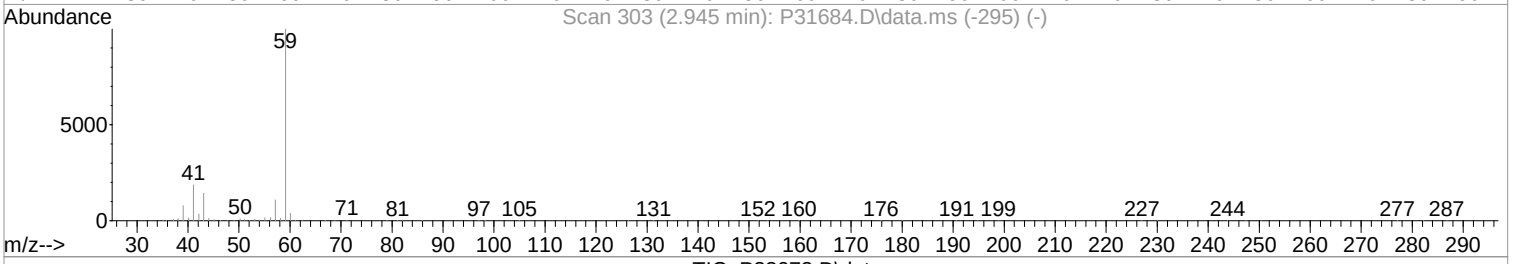
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(23) TBA

2.951min (-0.000) 10.26 ppb

response 4969

Ion	Exp%	Act%
59.00	100	100
41.00	19.20	22.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

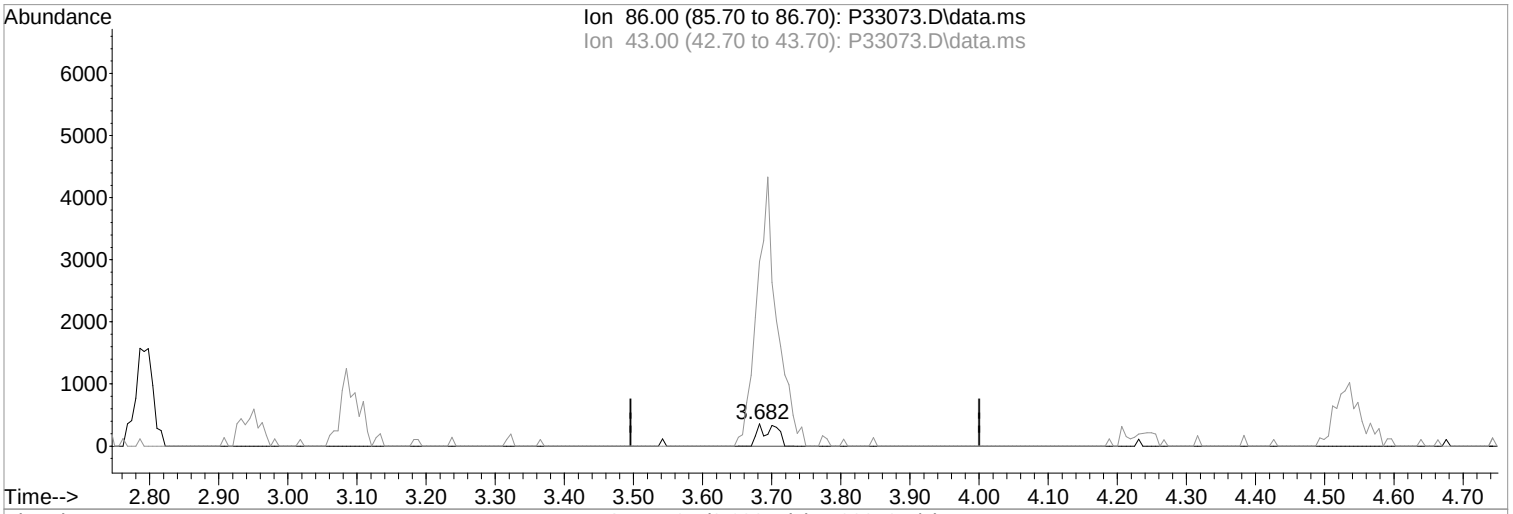
01/22/20

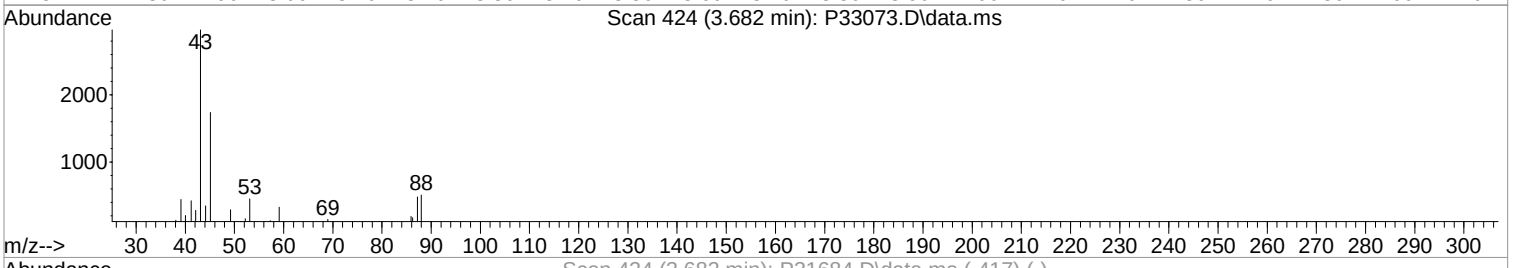
1st 01/22/20
2nd 01/22/20

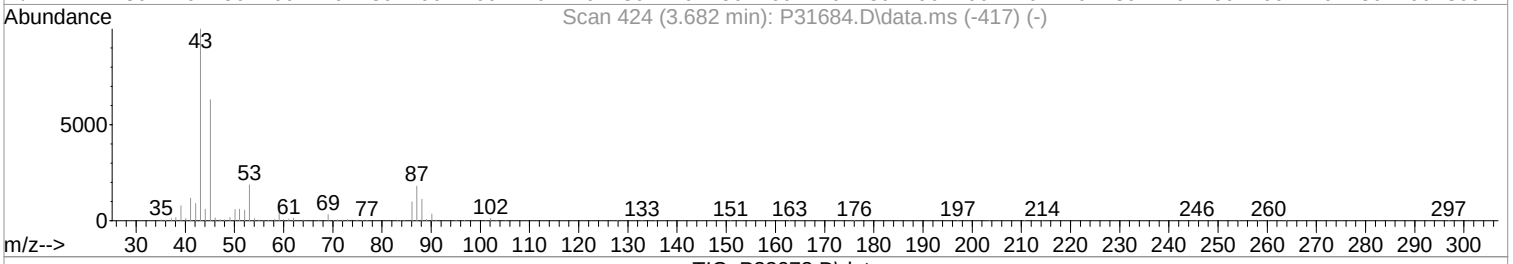
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(29) Vinyl Acetate

3.682min (-0.012) 0.85 ppb m

response 634

Ion	Exp%	Act%
86.00	100	100
43.00	1223.40	1571.96#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

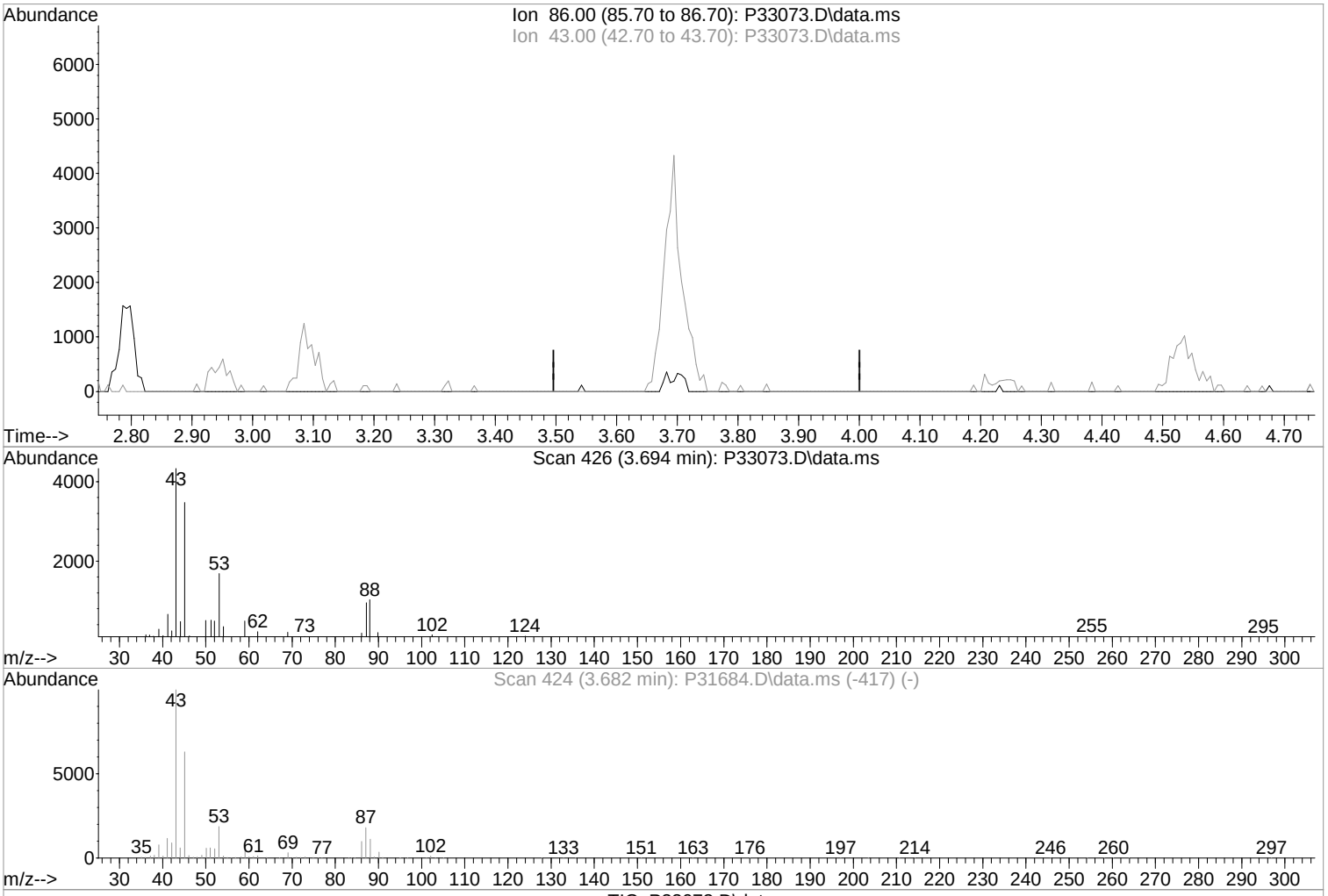
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(29) Vinyl Acetate

3.694min (-3.694) 0.00 ppb

response 0

Ion	Exp%	Act%
86.00	100	0.00
43.00	1223.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

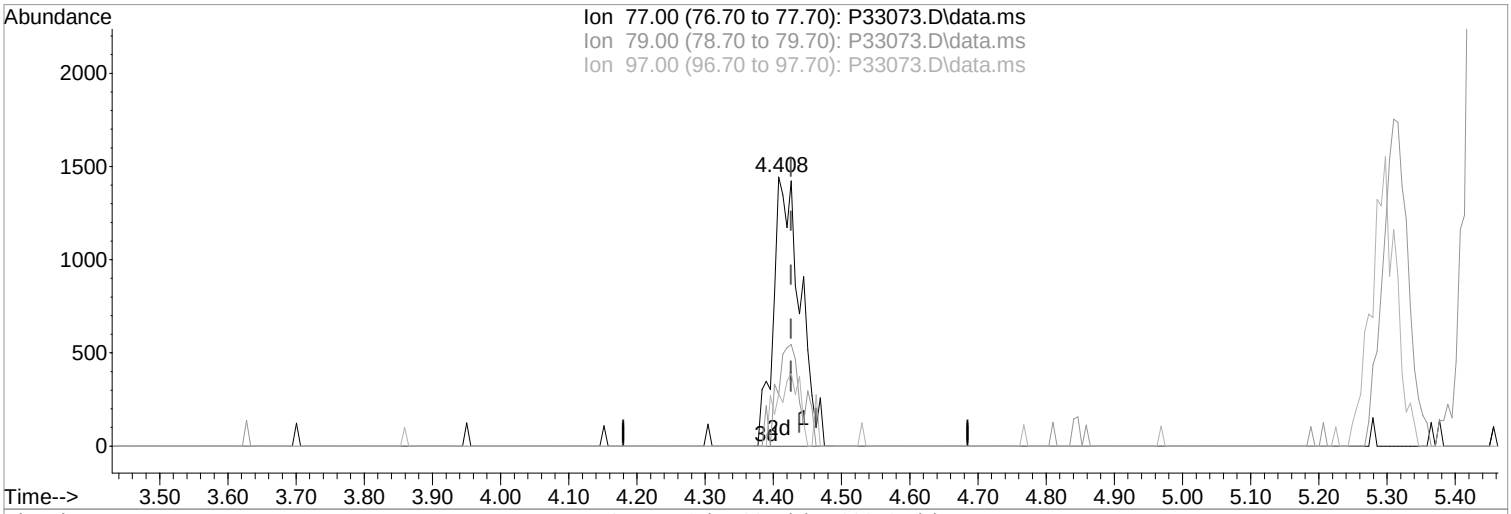
01/22/20

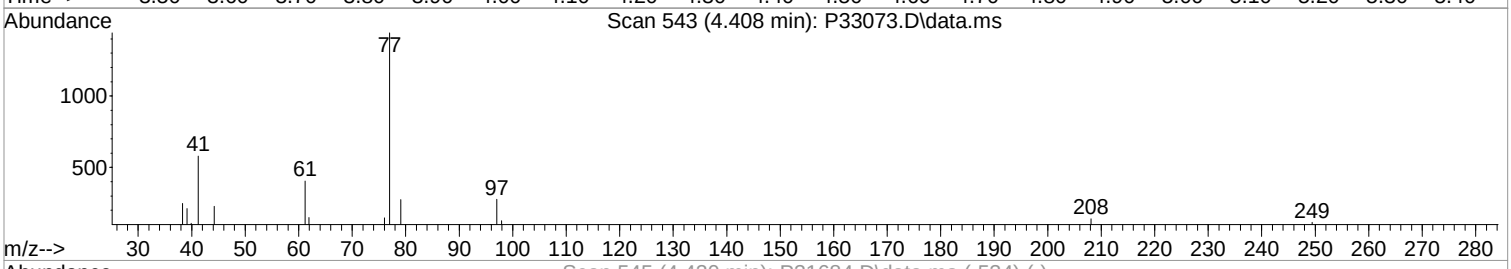
1st 01/22/20
2nd 01/22/20

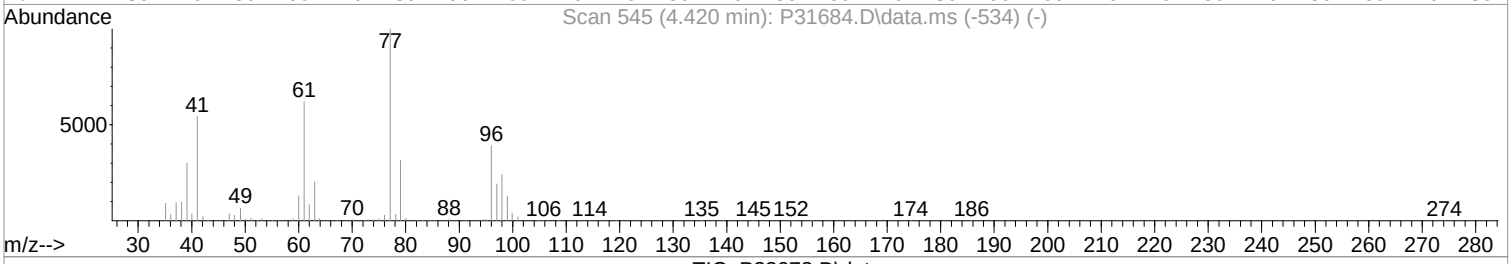
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(33) 2,2-Dichloropropane

4.408min (-0.018) 0.97 ppb m

response 3942

Ion	Exp%	Act%
77.00	100	100
79.00	31.00	19.06
97.00	22.90	19.20
0.00	0.00	0.00

Manual Integration:

After

Split Peak

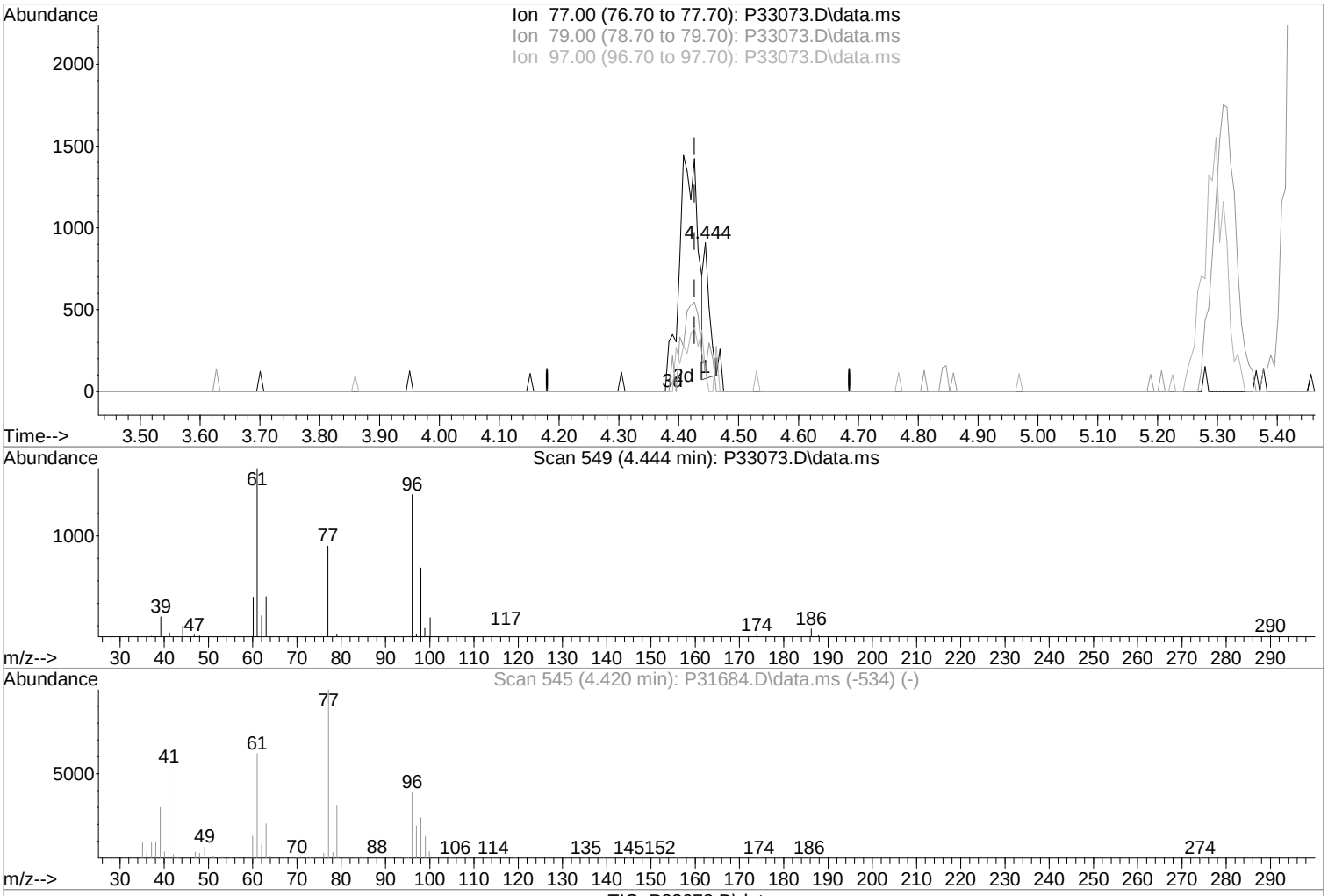
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(33) 2,2-Dichloropropane

4.444min (+0.018) 0.13 ppb

response 531

Ion	Exp%	Act%
77.00	100	100
79.00	31.00	14.08
97.00	22.90	13.86
0.00	0.00	0.00

Manual Integration:

Before

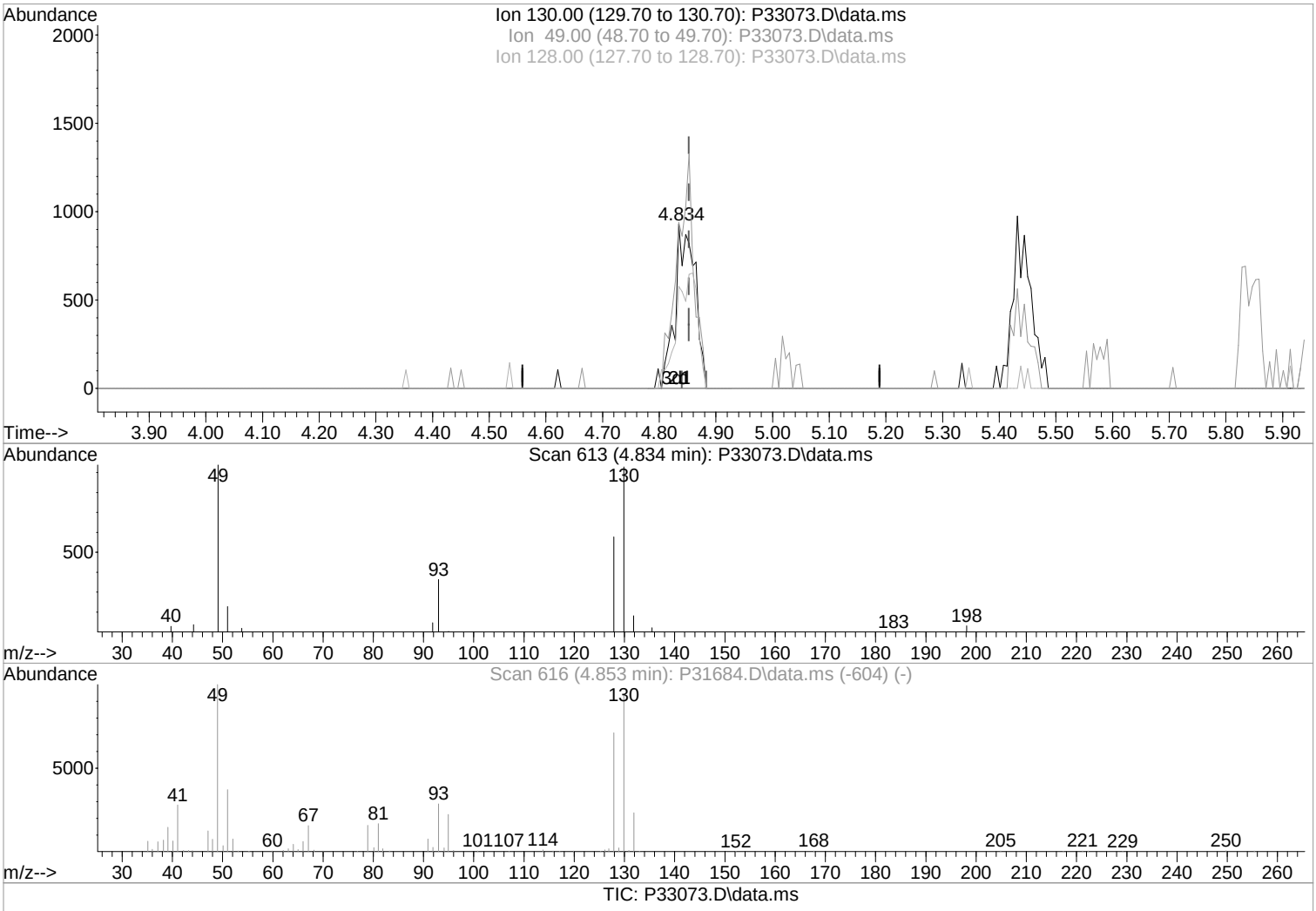
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(37) Bromochloromethane

4.834min (-0.018) 1.07 ppb m

response 2310

Ion	Exp%	Act%
130.00	100	100
49.00	117.10	101.08
128.00	73.00	62.11
0.00	0.00	0.00

Manual Integration:

After

Split Peak

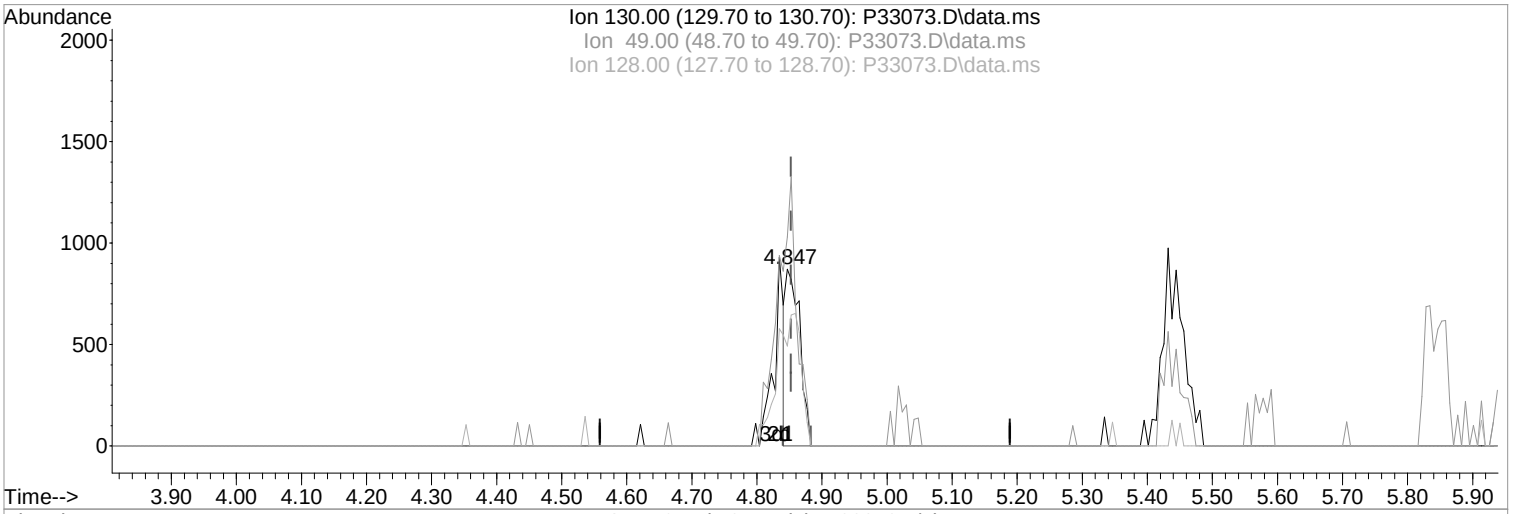
01/22/20

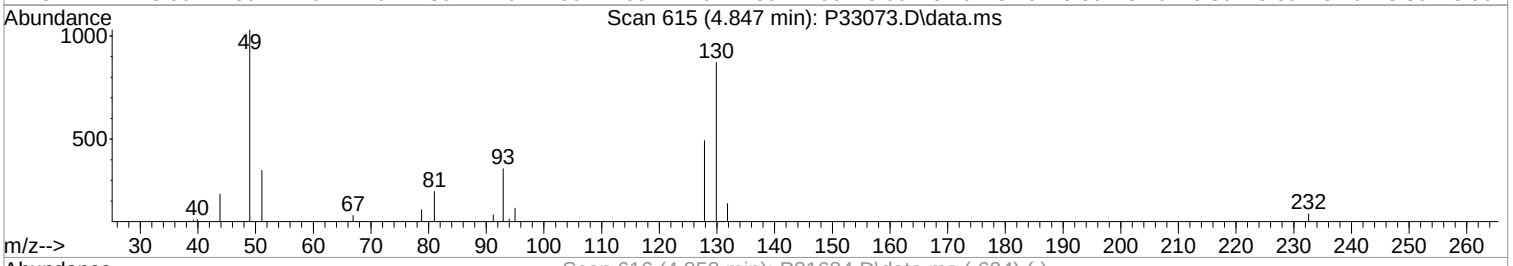
1st 01/22/20
2nd 01/22/20

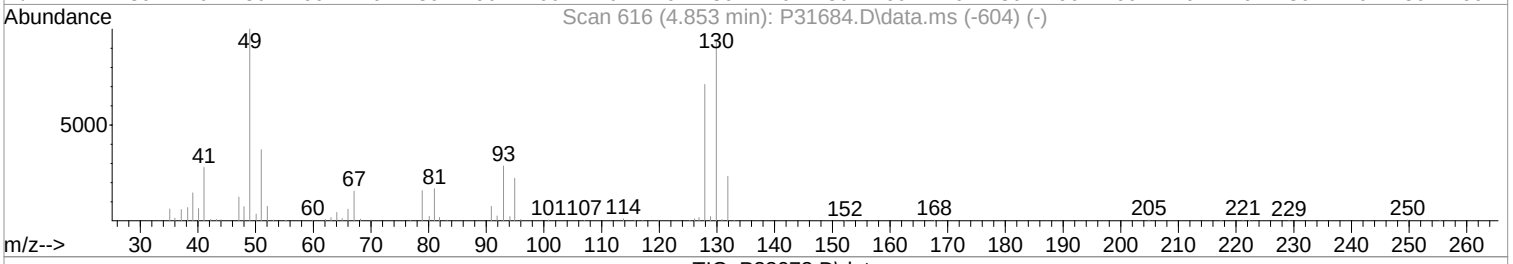
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(37) Bromochloromethane

4.847min (-0.006) 0.61 ppb

response 1303

Ion	Exp%	Act%
130.00	100	100
49.00	117.10	118.25
128.00	73.00	56.60
0.00	0.00	0.00

Manual Integration:

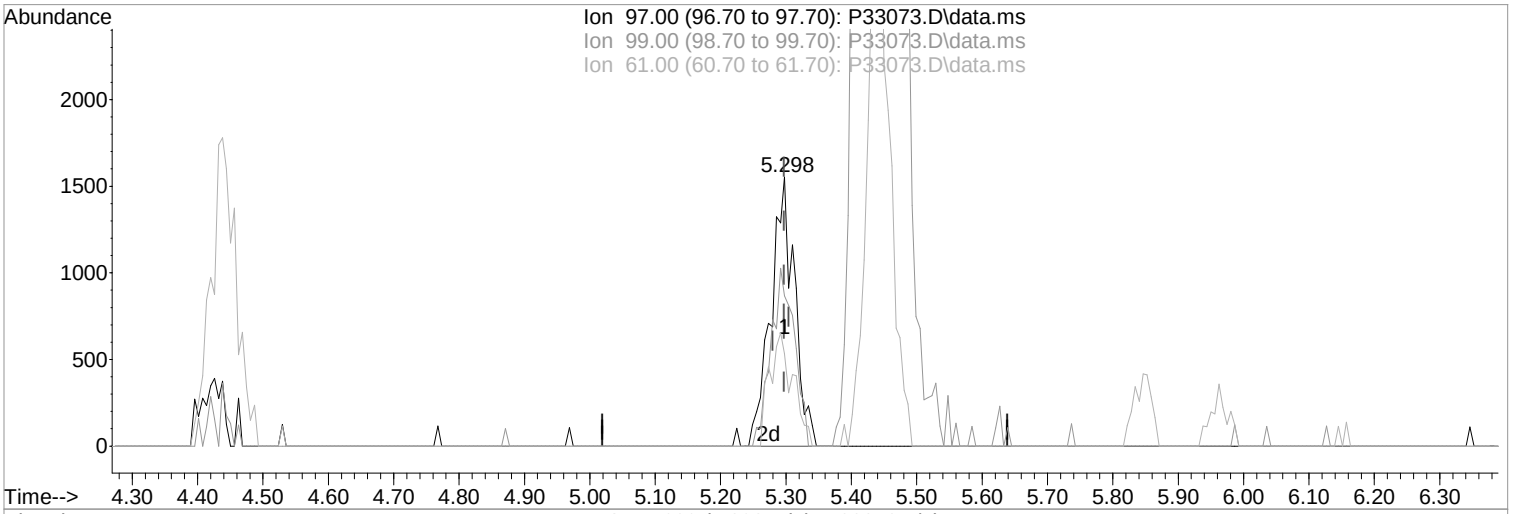
Before

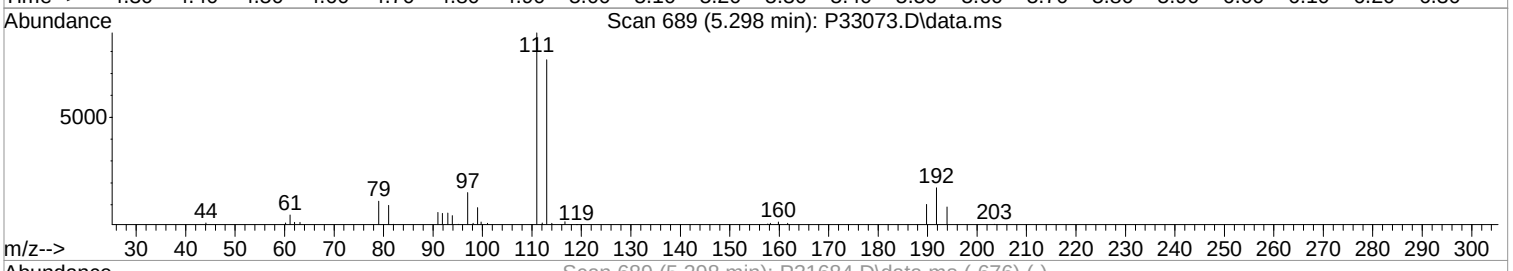
01/22/20

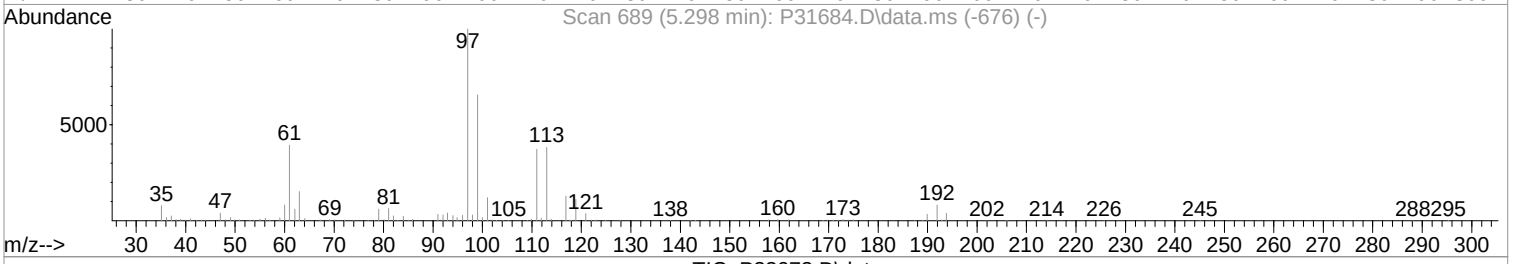
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

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

5.298min (+0.001) 0.94 ppb m

response 3909

Ion	Exp%	Act%
97.00	100	100
99.00	63.20	55.83
61.00	40.90	34.32
0.00	0.00	0.00

Manual Integration:

After

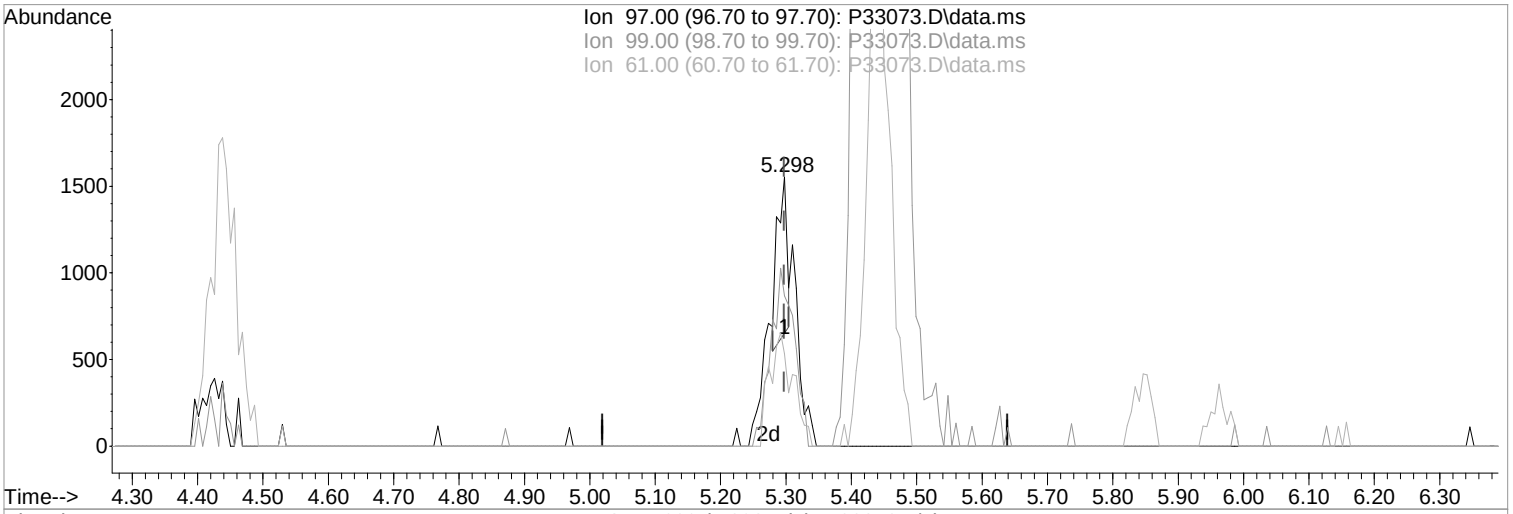
Split Peak

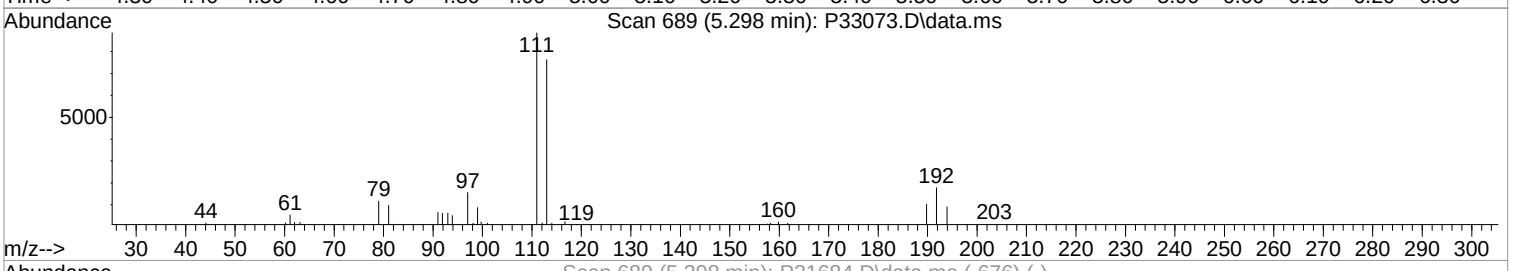
01/22/20

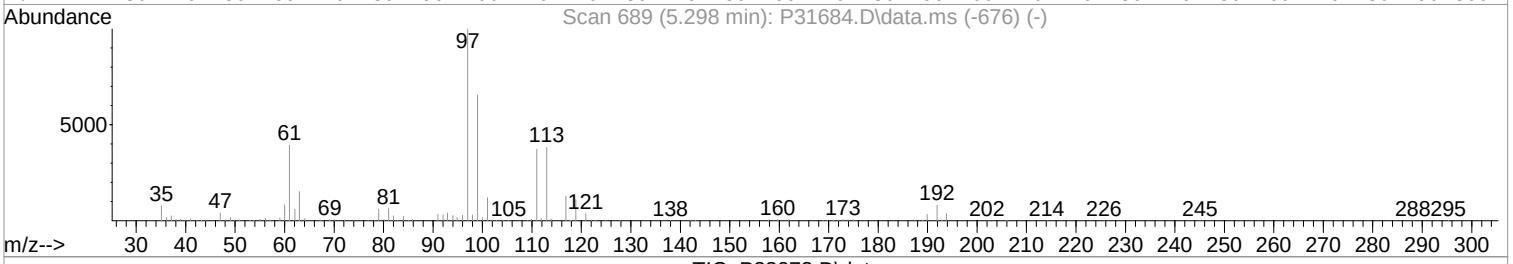
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

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

5.298min (+0.001) 0.23 ppb

response 952

Ion	Exp%	Act%
97.00	100	100
99.00	63.20	69.41
61.00	40.90	34.32
0.00	0.00	0.00

Manual Integration:

Before

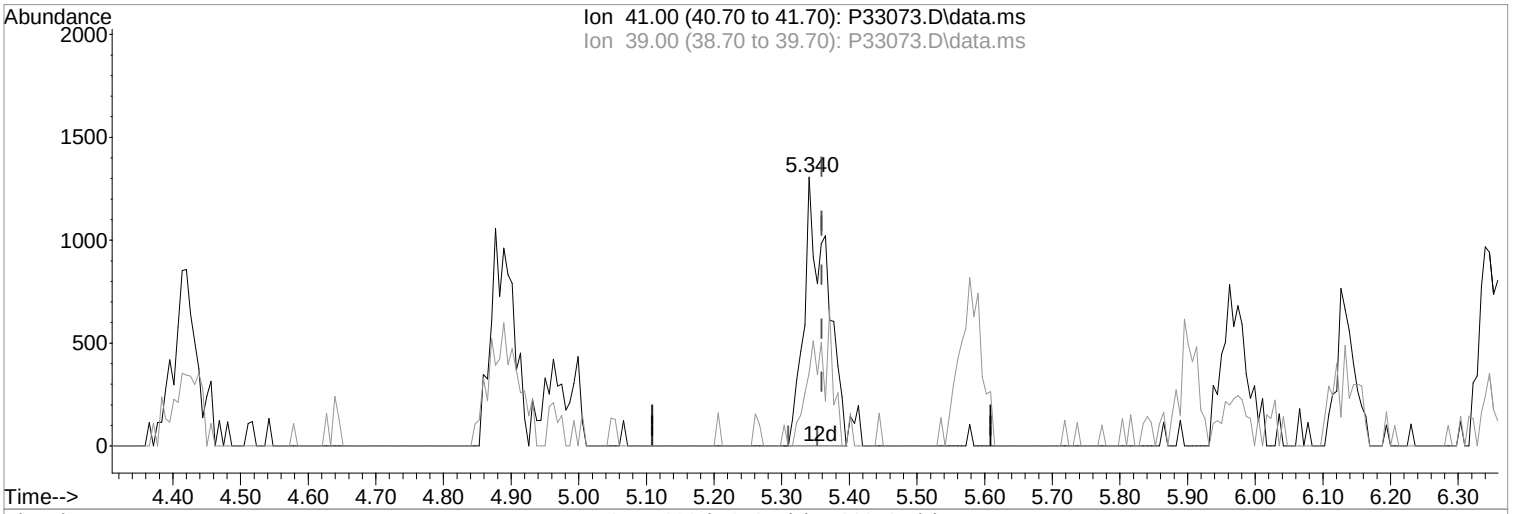
01/22/20

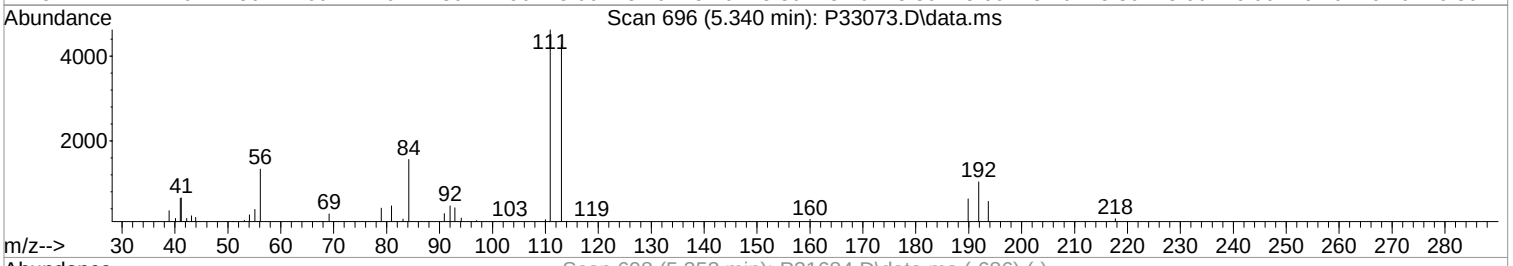
1st 01/22/20
2nd 01/22/20

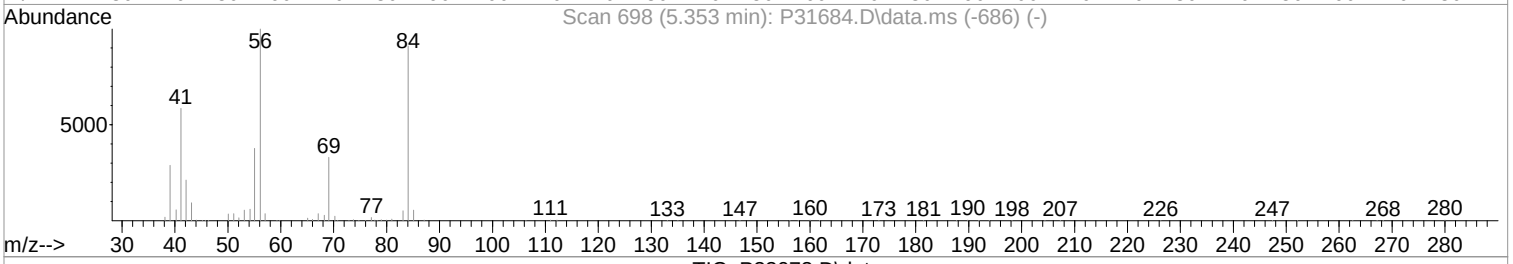
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(44) Cyclohexane (P)

5.340min (-0.018) 1.04 ppb m

response 3058

Ion	Exp%	Act%
41.00	100	100
39.00	42.30	53.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

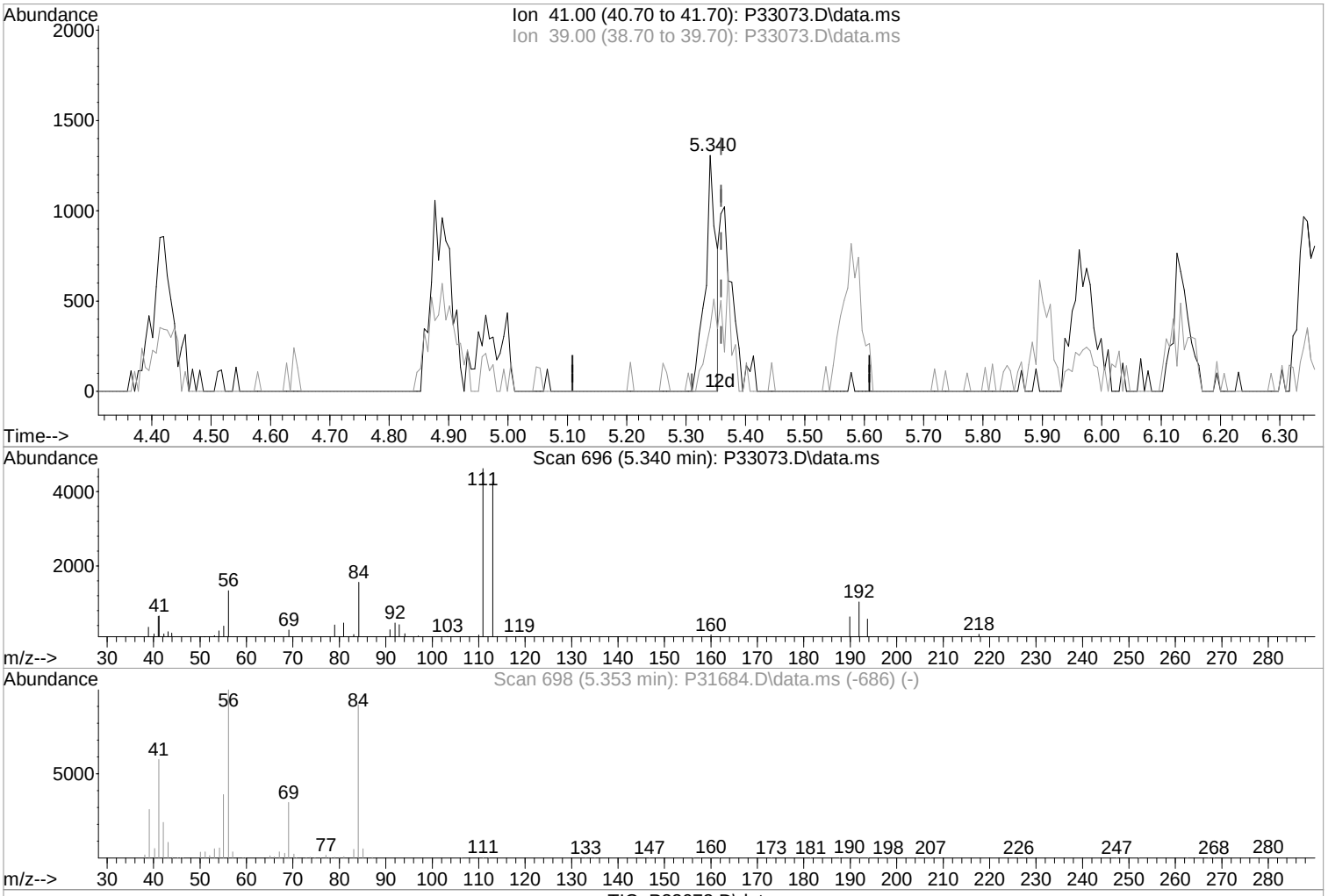
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(44) Cyclohexane (P)

5.340min (-0.018) 0.56 ppb

response 1649

Ion	Exp%	Act%
41.00	100	100
39.00	42.30	27.16
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

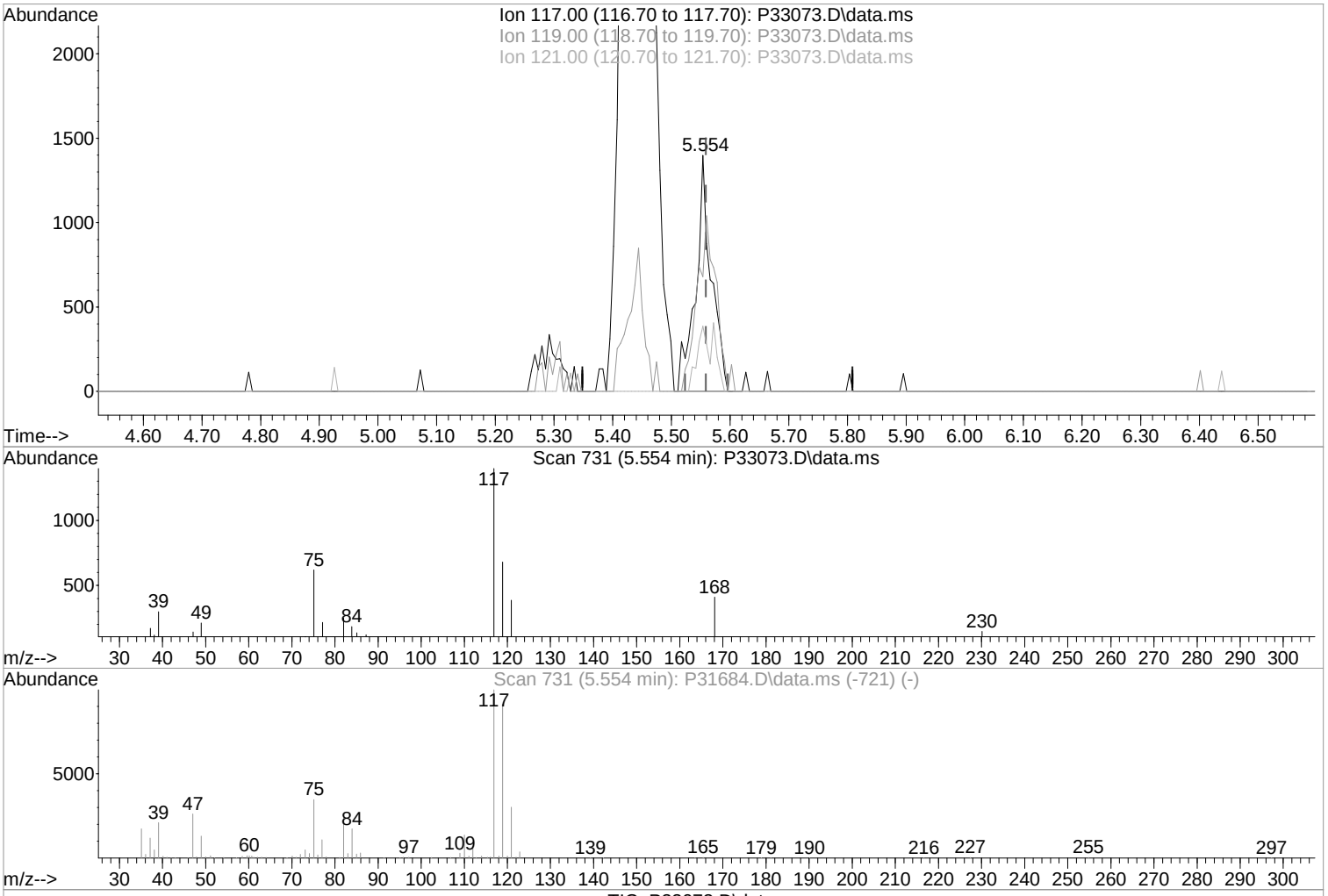
Before

01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(46) Carbontetrachloride (P)

5.554min (-0.005) 0.87 ppb m

response 2587

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	48.53#
121.00	31.70	27.59
0.00	0.00	0.00

Manual Integration:

After

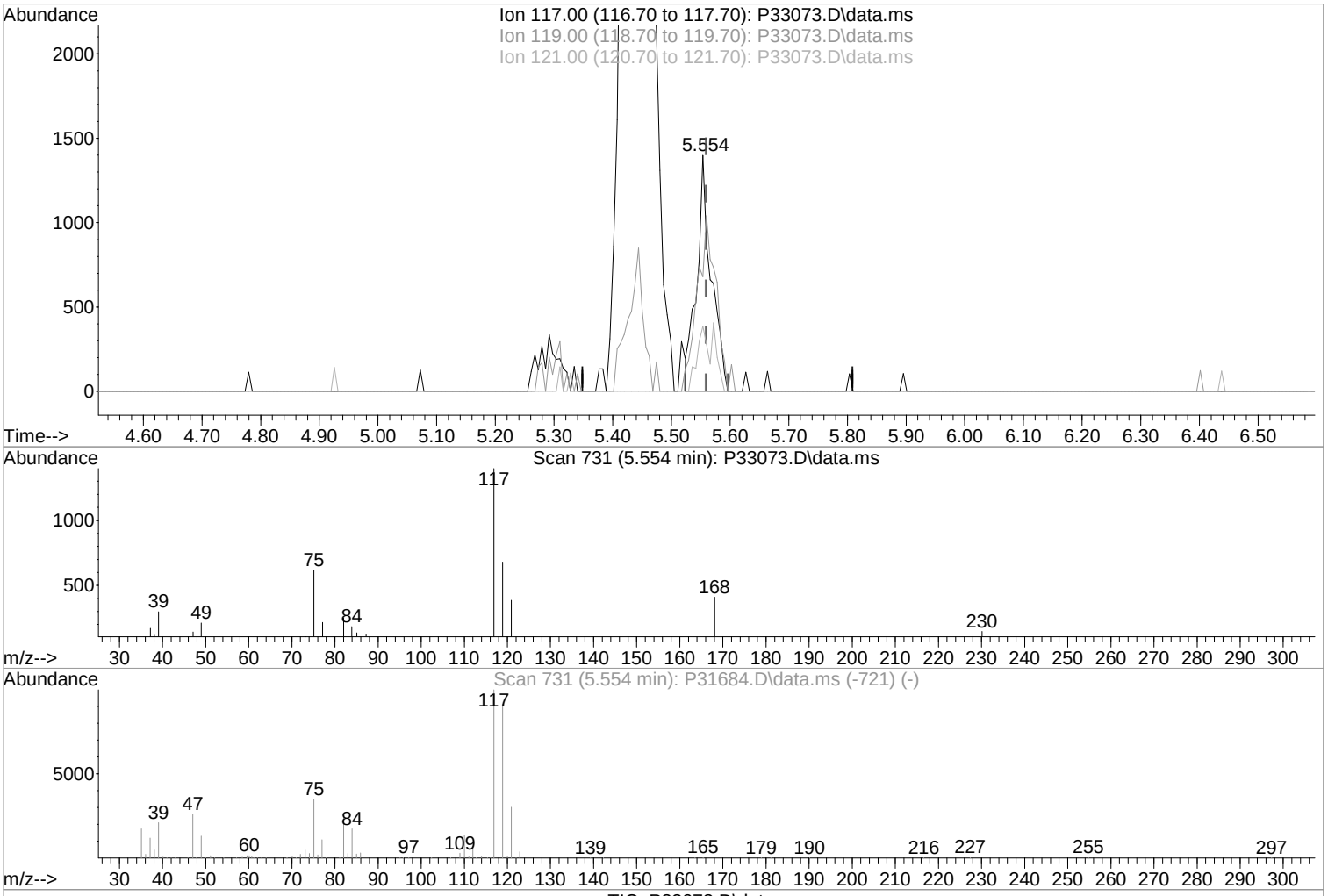
Split Peak

01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(46) Carbontetrachloride (P)

5.554min (-0.005) 0.81 ppb

response 2406

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	48.53#
121.00	31.70	27.59
0.00	0.00	0.00

Manual Integration:

Before

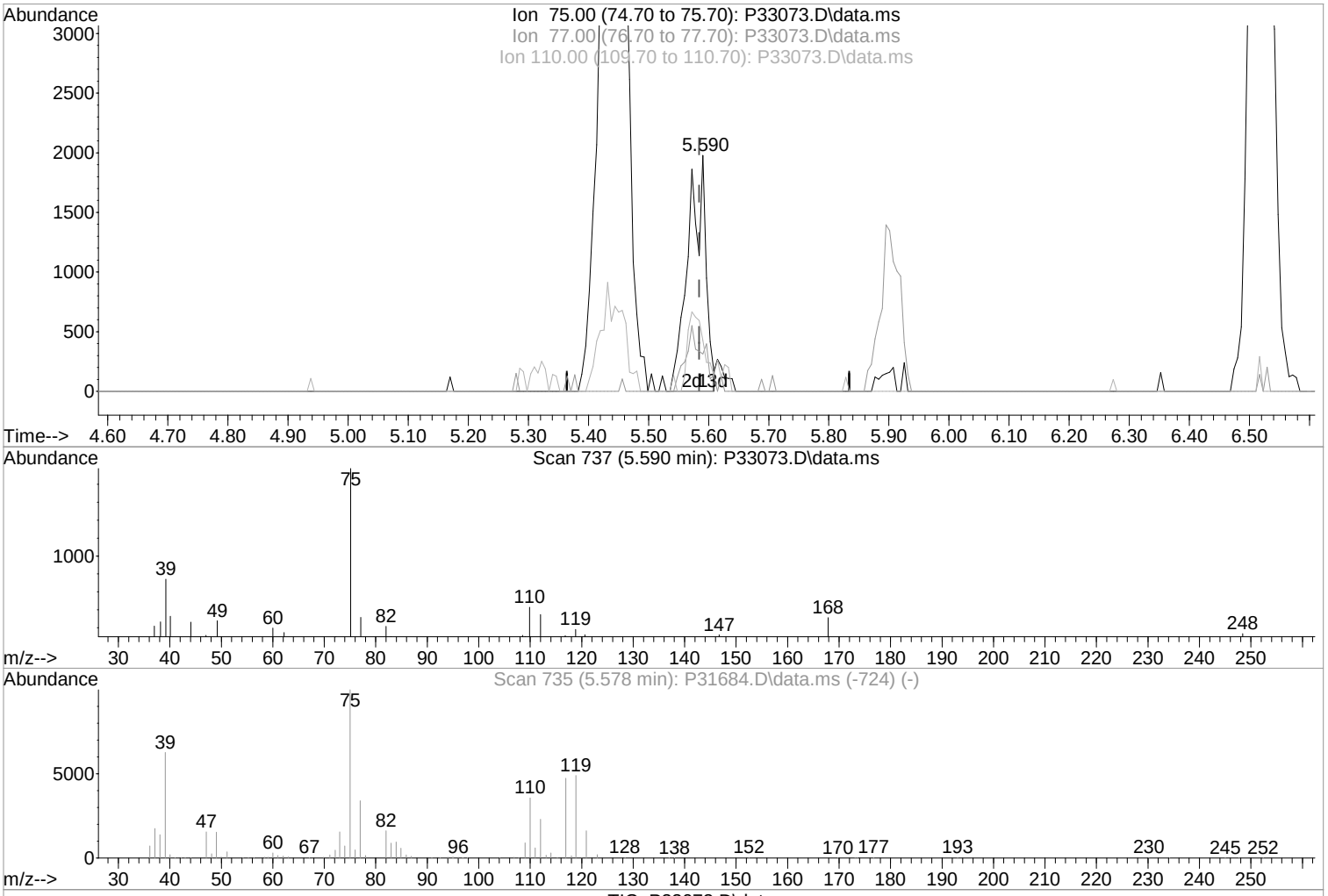
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(47) 1,1-Dichloropropene

5.590min (+0.006) 1.02 ppb m

response 4019

Ion	Exp%	Act%
75.00	100	100
77.00	33.10	15.93
110.00	33.10	21.64
0.00	0.00	0.00

Manual Integration:

After

Split Peak

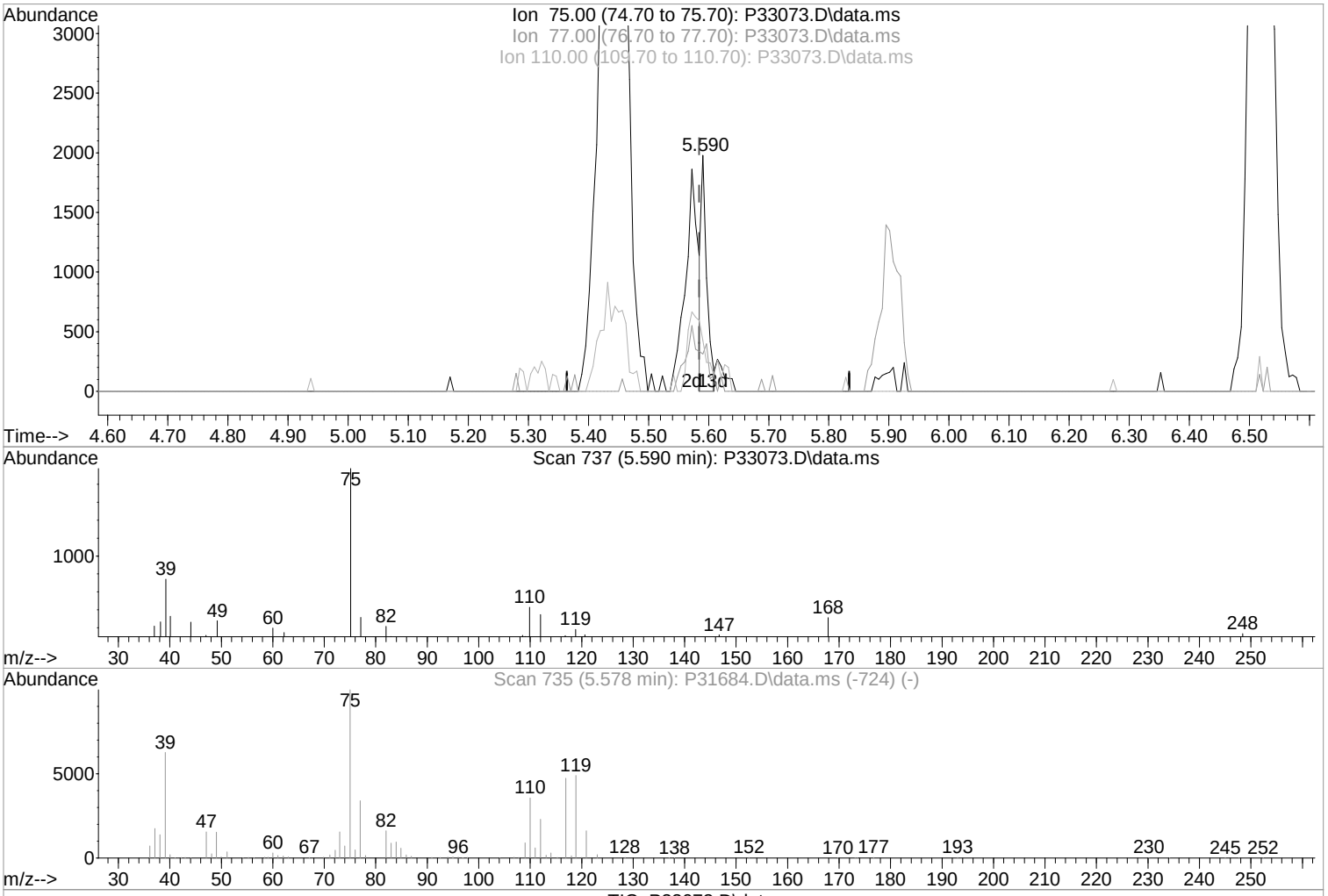
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(47) 1,1-Dichloropropene

5.590min (+0.006) 0.33 ppb

response 1286

Ion	Exp%	Act%
75.00	100	100
77.00	33.10	15.93
110.00	33.10	21.64
0.00	0.00	0.00

Manual Integration:

Before

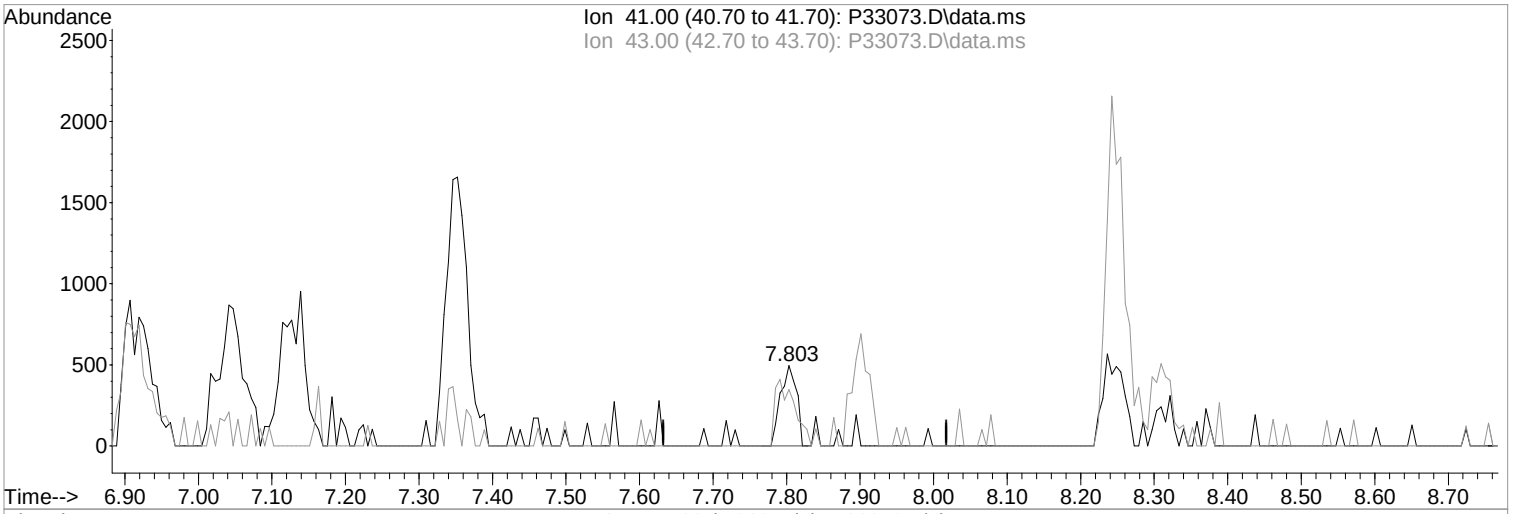
01/22/20

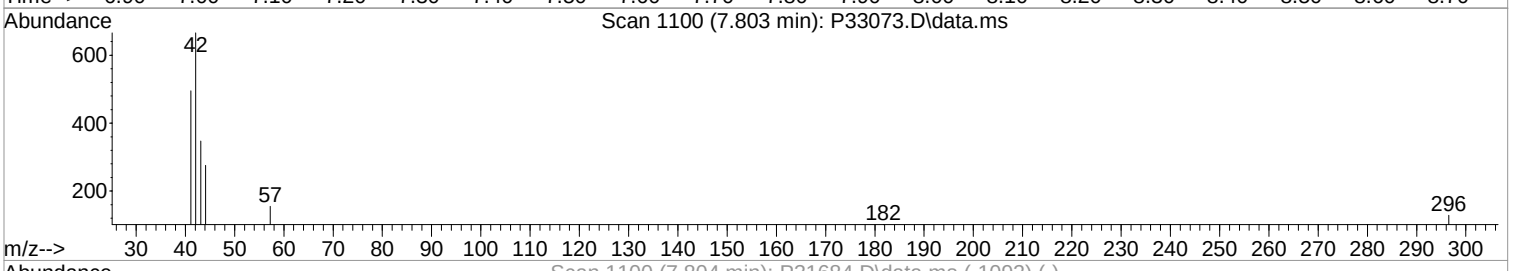
1st 01/22/20
2nd 01/22/20

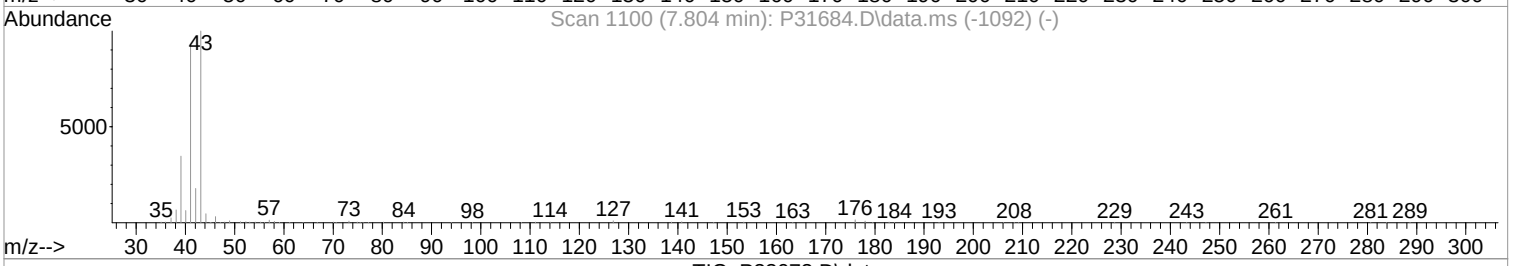
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(61) 2-Nitropropane

7.803min (-0.000) 1.91 ppb m

response 746

Ion	Exp%	Act%
41.00	100	100
43.00	111.70	70.10#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

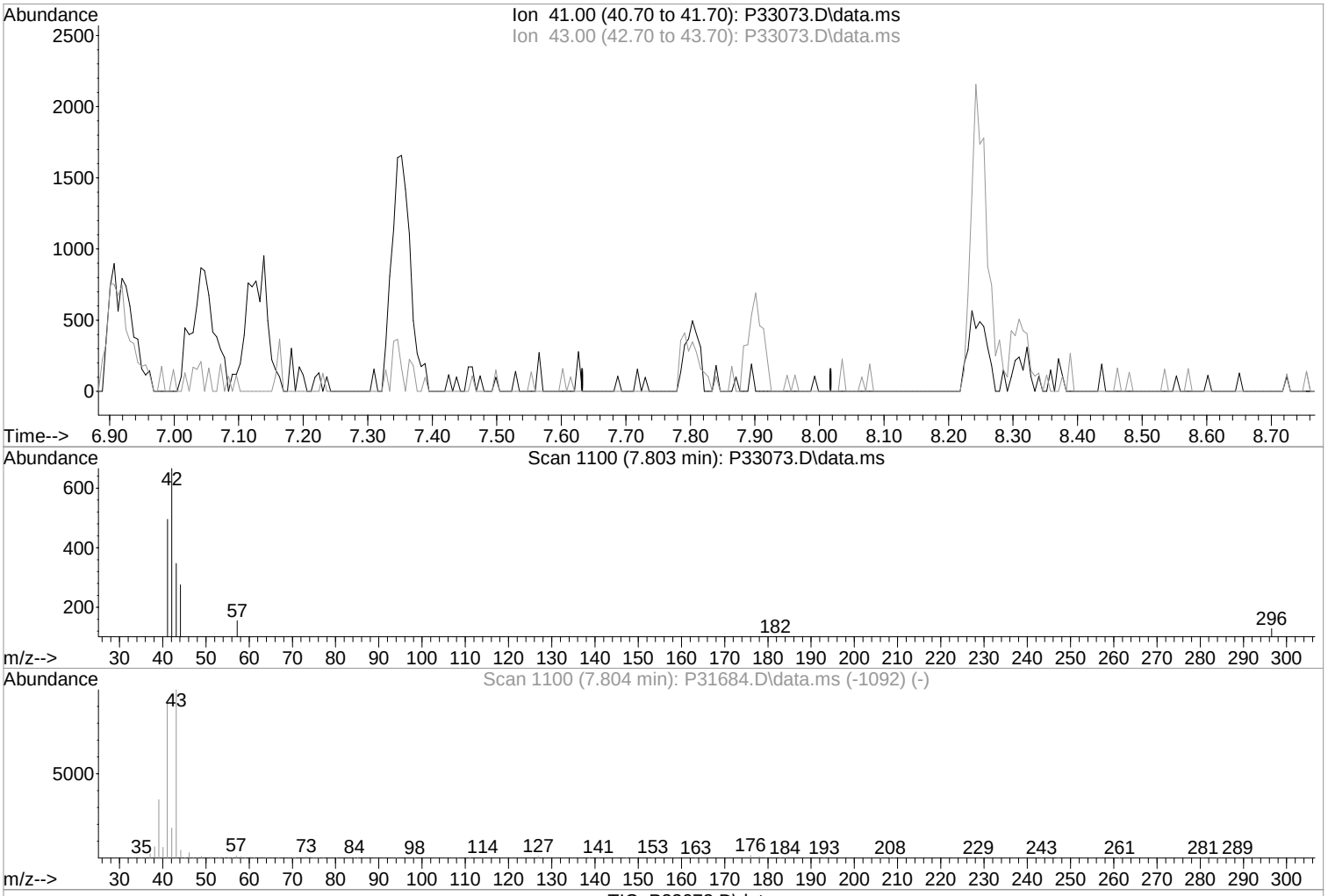
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33073.D\data.ms

(61) 2-Nitropropane

7.803min (-7.803) 0.00 ppb

response 0

Ion	Exp%	Act%
41.00	100	0.00
43.00	111.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

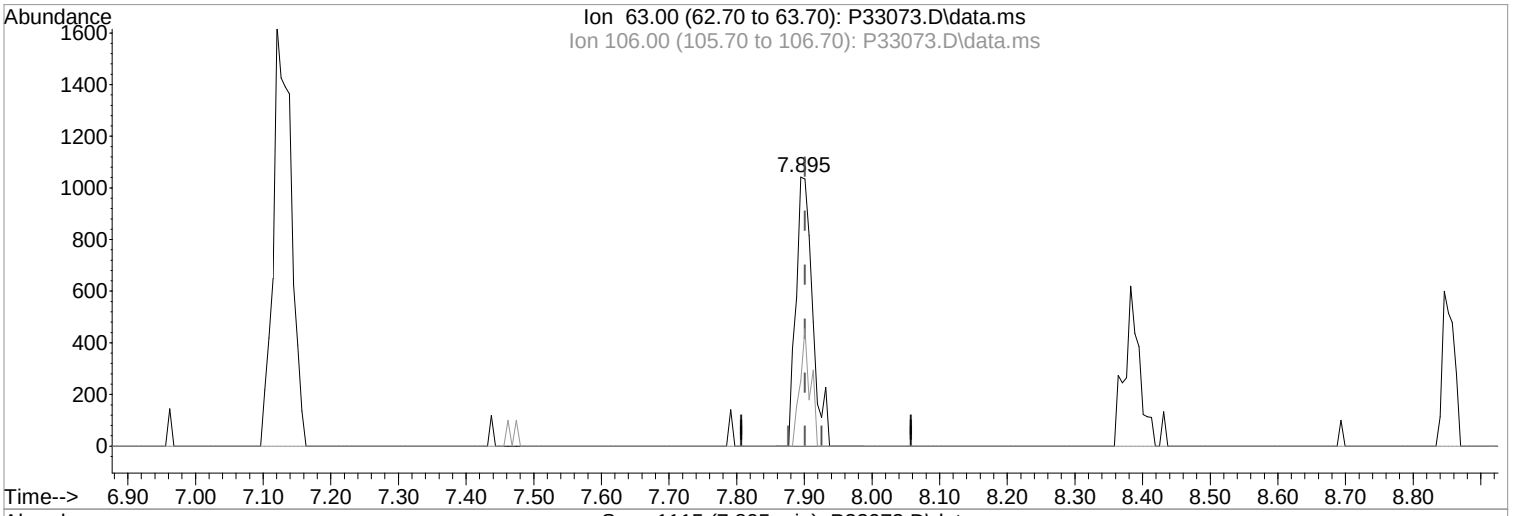
01/22/20

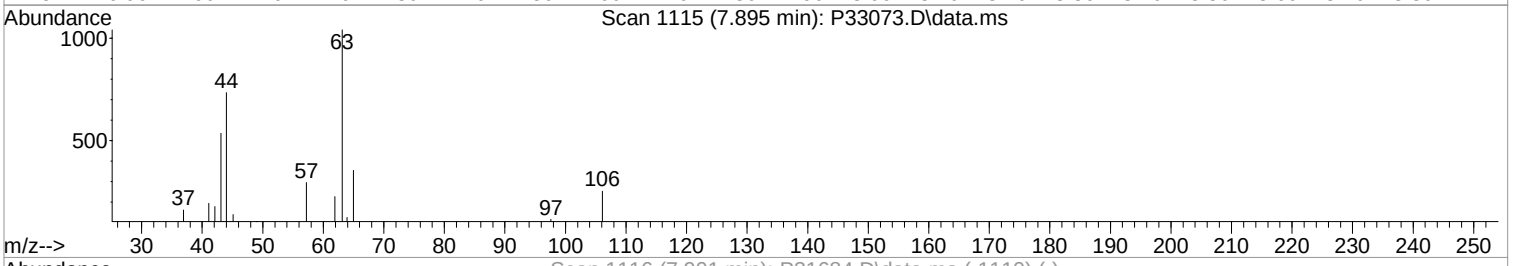
1st 01/22/20
2nd 01/22/20

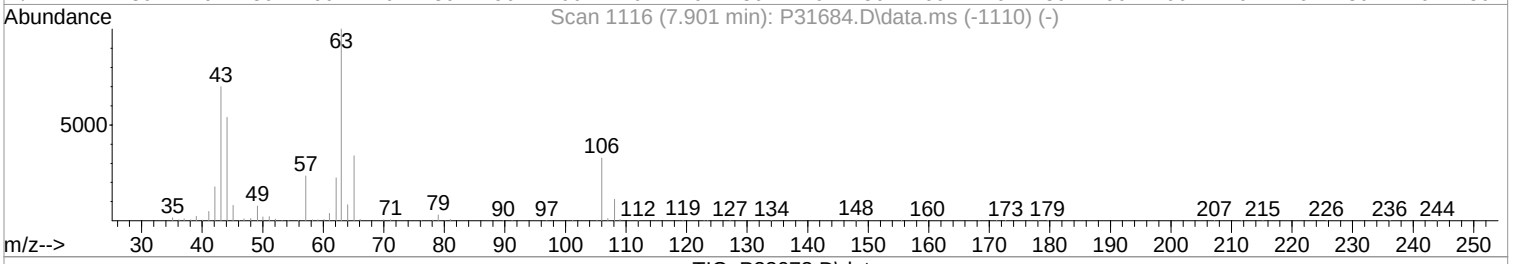
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(62) 2-Chloroethylvinyl Ether

7.895min (-0.006) 0.88 ppb m

response 1765

Ion	Exp%	Act%
63.00	100	100
106.00	31.50	24.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

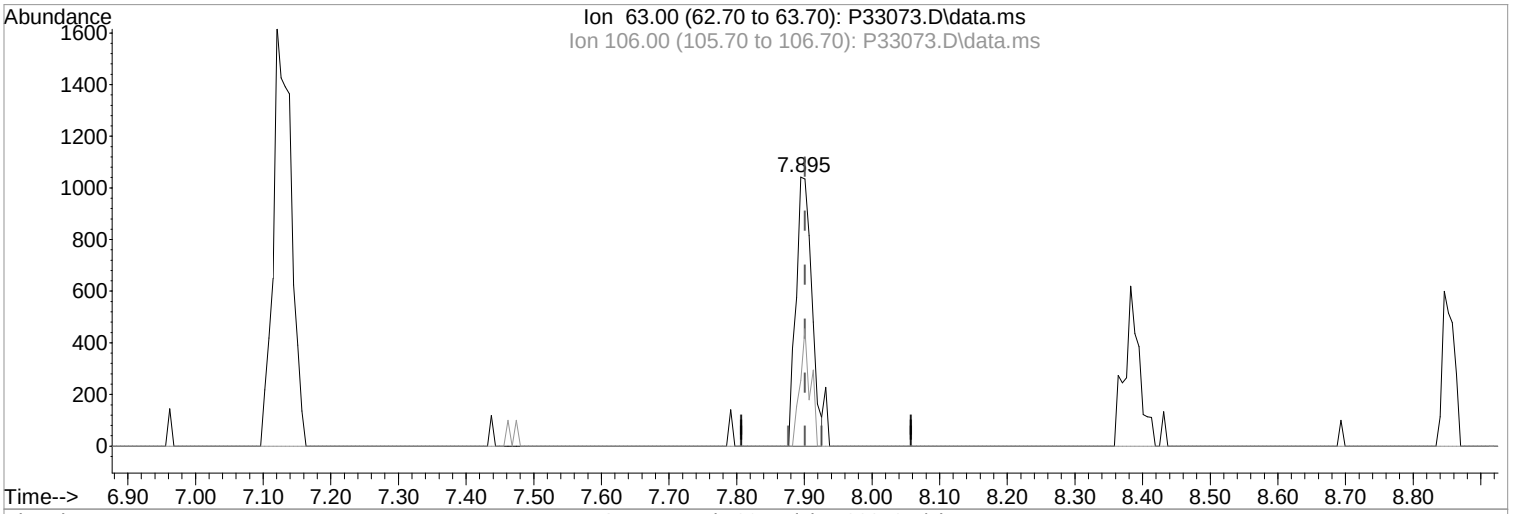
01/22/20

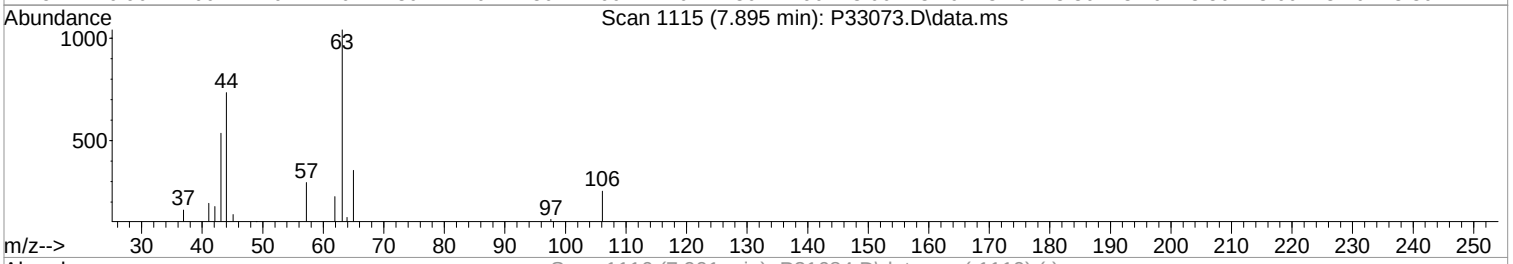
1st 01/22/20
2nd 01/22/20

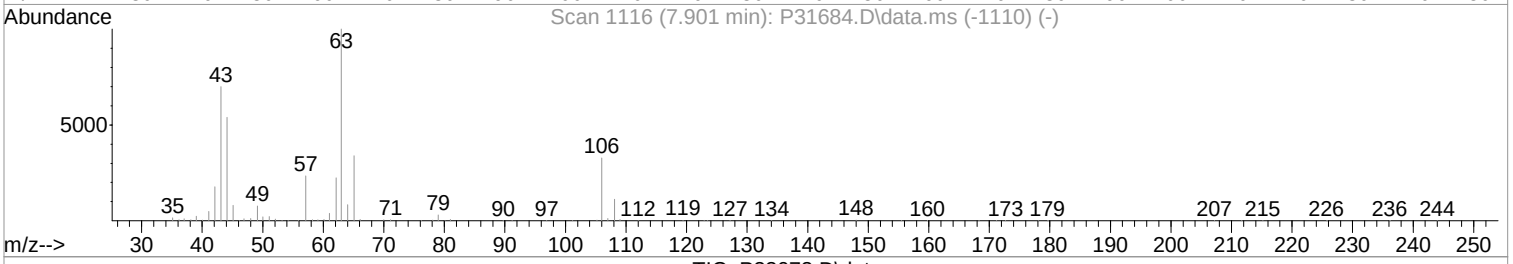
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(62) 2-Chloroethylvinyl Ether

7.895min (-0.006) 0.84 ppb

response 1682

Ion	Exp%	Act%
63.00	100	100
106.00	31.50	24.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

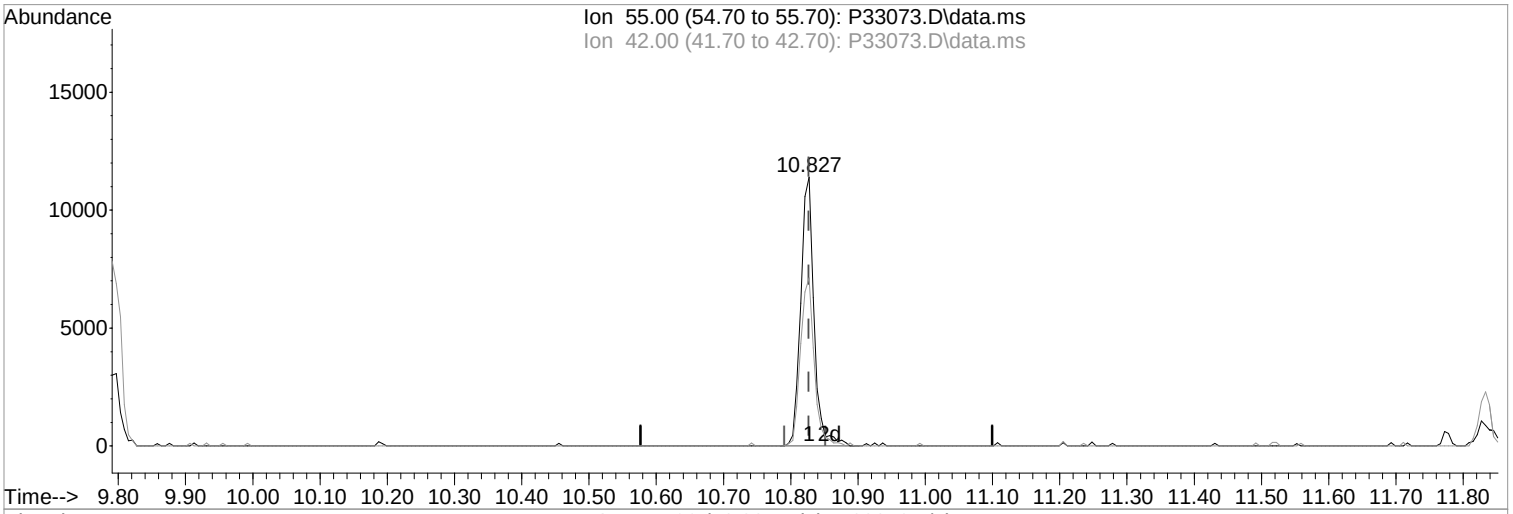
Before

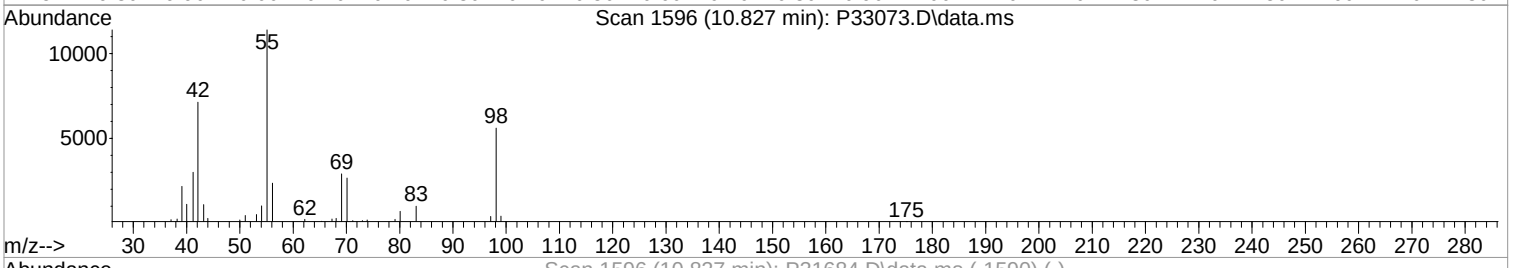
01/22/20

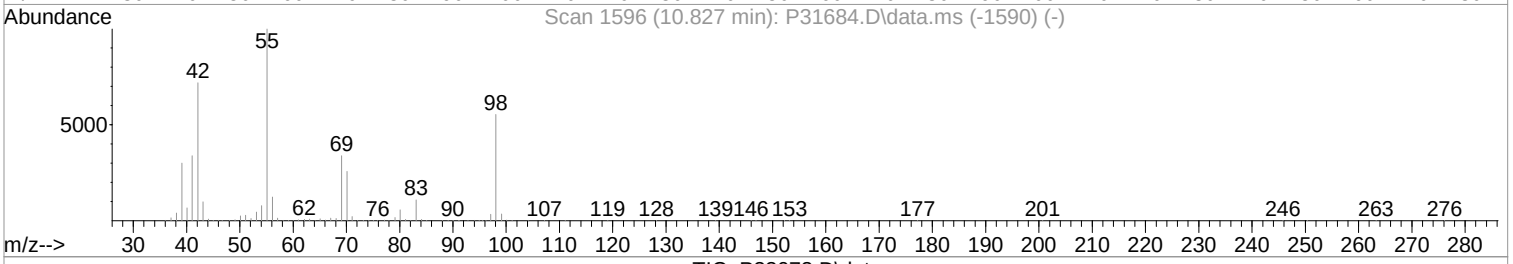
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(90) Cyclohexanone

10.827min (+0.000) 19.93 ppb m

response 15657

Ion	Exp%	Act%
55.00	100	100
42.00	66.50	62.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

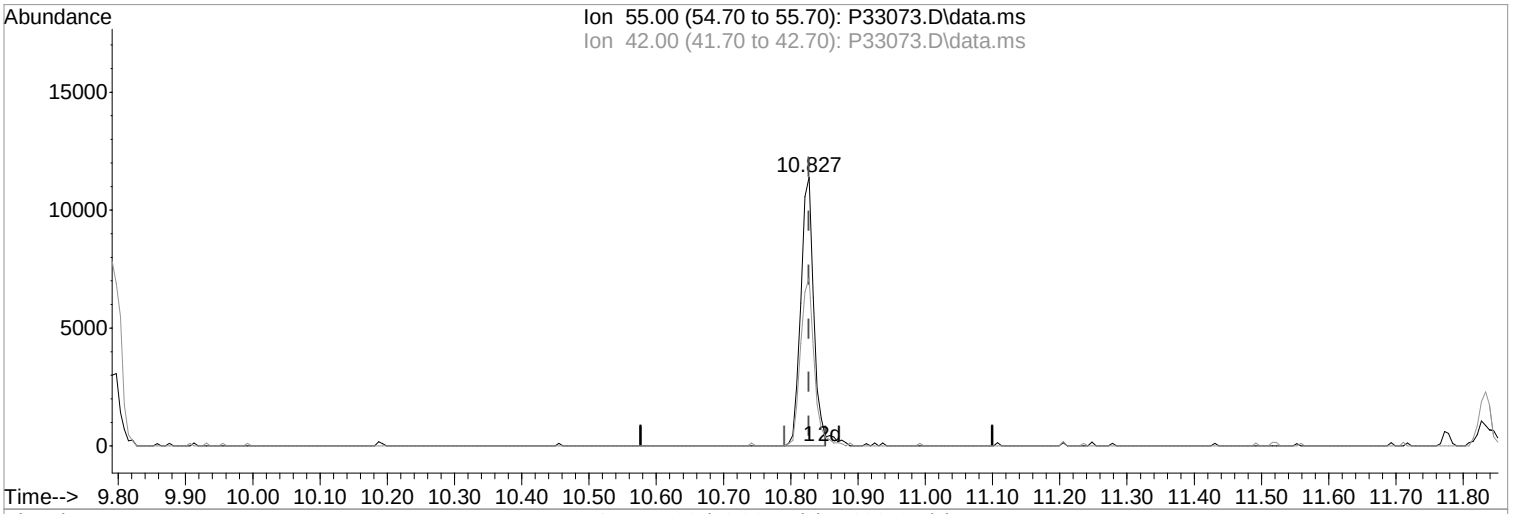
Poor integration.

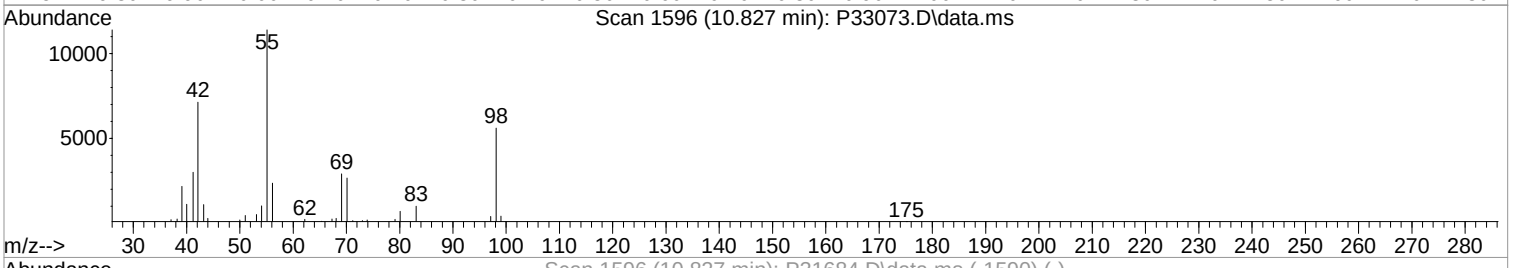
01/22/20

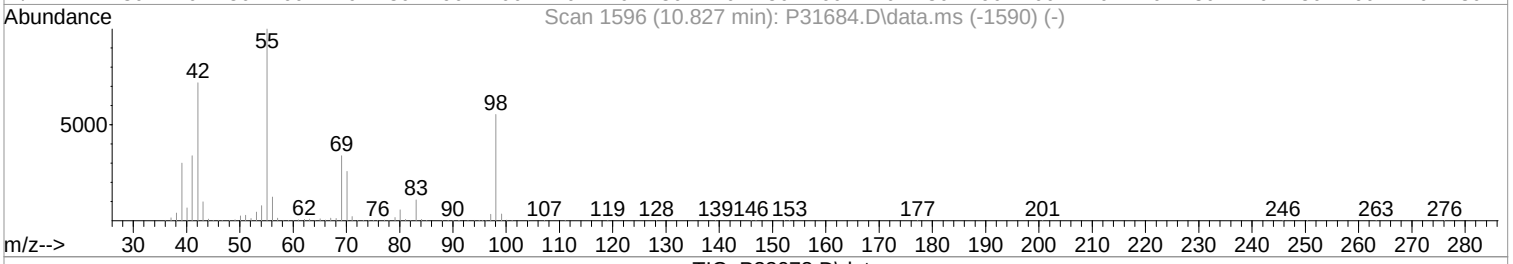
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:37:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33073.D\data.ms

(90) Cyclohexanone

10.827min (+0.000) 19.28 ppb

response 15148

Ion	Exp%	Act%
55.00	100	100
42.00	66.50	62.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:46:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	351023	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	529424	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	468379	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	252392	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	33193	11.87	ppb		-0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 23.74%#				
48) surr1,1,2-dichloroetha...	5.846	65	40690	12.00	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 24.00%#				
65) SURR3,Toluene-d8	8.309	98	163627	12.53	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 25.06%#				
70) SURR2,BFB	10.864	95	62086	12.32	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 24.64%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.195	85	3250	0.83	ppb		95
3) Chloromethane	1.323	50	4537	1.06	ppb		94
4) Vinyl Chloride	1.402	62	4138	0.93	ppb		86
5) Bromomethane	1.628	94	4161	1.22	ppb		85
6) Chloroethane	1.707	64	2690	0.97	ppb		90
7) Freon 21	1.859	67	5028	1.01	ppb		95
8) Trichlorofluoromethane	1.902	101	3475	0.88	ppb		99
9) Diethyl Ether	2.140	59	3144	1.02	ppb		88
10) Freon 123a	2.146	67	2859	0.89	ppb		95
11) Freon 123	2.207	83	4075	1.04	ppb		78
12) Acrolein	2.256	56	4214	4.65	ppb		96
13) 1,1-Diclethene	2.335	96	2515	0.92	ppb	#	83
14) Freon 113	2.329	101	2327	0.90	ppb	#	69
15) Acetone	2.402	43	2125	1.44	ppb		95
16) 2-Propanol	2.542	45	5024	17.49	ppb		81
17) Iodomethane	2.463	142	1688	0.49	ppb	#	64
18) Carbon Disulfide	2.518	76	8109	0.97	ppb		94
19) Acetonitrile	2.664	40	1511m	6.81	ppb		
20) Allyl Chloride	2.676	76	1500m	0.95	ppb		
21) Methyl Acetate	2.707	43	3520	1.04	ppb		97
22) Methylene Chloride	2.792	84	4760	1.34	ppb		91
23) TBA	2.951	59	8696m	17.96	ppb		
24) Acrylonitrile	3.079	53	9063	5.01	ppb		95
25) Methyl-t-Butyl Ether	3.097	73	10827	1.01	ppb		88
26) trans-1,2-Dichloroethene	3.079	96	2923	0.96	ppb	#	82
28) 1,1-Diclethane	3.591	63	5187	0.99	ppb		95
29) Vinyl Acetate	3.682	86	634m	0.85	ppb		
30) DIPE	3.700	45	8338	0.93	ppb	#	74
31) 2-Chloro-1,3-Butadiene	3.700	53	4546	0.95	ppb		91
32) ETBE	4.237	59	8699	0.95	ppb		95
33) 2,2-Dichloropropane	4.408	77	3942m	0.97	ppb		
34) cis-1,2-Dichloroethene	4.444	96	3400	0.96	ppb		89
35) 2-Butanone	4.536	43	2696	1.24	ppb		82
36) Propionitrile	4.633	54	3058	4.23	ppb		85
37) Bromochloromethane	4.834	130	2310m	1.07	ppb		
38) Methacrylonitrile	4.889	67	1925	0.97	ppb		95
39) Tetrahydrofuran	4.962	42	1486	0.99	ppb	#	68
40) Chloroform	5.023	83	5734	1.07	ppb		96
41) 1,1,1-Trichloroethane	5.298	97	3909m	0.94	ppb		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:46:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	TAME	6.139	73	9137	0.95	ppb		90
44)	Cyclohexane	5.340	41	3058m	1.04	ppb		
46)	Carbontetrachloride	5.554	117	2587m	0.87	ppb		
47)	1,1-Dichloropropene	5.590	75	4019m	1.02	ppb		
49)	Benzene	5.895	78	13235	1.01	ppb		98
50)	1,2-Dichloroethane	5.962	62	4455	1.05	ppb		94
51)	Iso-Butyl Alcohol	5.962	43	2878	15.01	ppb		88
52)	n-Heptane	6.346	43	3681	0.90	ppb		89
53)	1-Butanol	6.919	56	4152	35.92	ppb		88
54)	Trichloroethene	6.834	130	3368	1.01	ppb	#	85
55)	Methylcyclohexane	7.047	55	4353	1.01	ppb	#	85
56)	1,2-Diclpropane	7.121	63	3019	0.91	ppb		83
57)	Dibromomethane	7.273	93	1830	0.94	ppb	#	60
58)	1,4-Dioxane	7.352	88	1337	18.40	ppb	#	1
59)	Methyl Methacrylate	7.346	69	3296	1.07	ppb	#	80
60)	Bromodichloromethane	7.492	83	3143	0.87	ppb		92
61)	2-Nitropropane	7.803	41	746m	1.91	ppb		
62)	2-Chloroethylvinyl Ether	7.895	63	1765m	0.88	ppb		
63)	cis-1,3-Dichloropropene	8.029	75	4486	0.92	ppb		85
64)	4-Methyl-2-pentanone	8.242	43	3798	0.90	ppb		76
66)	Toluene	8.383	91	14230	1.00	ppb		95
67)	trans-1,3-Dichloropropene	8.669	75	3906	0.89	ppb		98
68)	Ethyl Methacrylate	8.797	69	4312	0.85	ppb		85
69)	1,1,2-Trichloroethane	8.858	97	3198	0.95	ppb		92
72)	Tetrachloroethene	8.968	164	2383	0.91	ppb	#	71
73)	2-Hexanone	9.145	43	3289	1.08	ppb		78
74)	1,3-Dichloropropane	9.023	76	5510	0.98	ppb		98
75)	Dibromochloromethane	9.248	129	1973	0.77	ppb		91
76)	N-Butyl Acetate	9.285	43	4649	0.84	ppb		82
77)	1,2-Dibromoethane	9.340	107	3064	0.96	ppb		80
78)	Chlorobenzene	9.821	112	9601	1.05	ppb		86
79)	3-CBTF	9.833	180	4959	0.94	ppb	#	85
80)	4-CBTF	9.894	180	4660	0.96	ppb		89
81)	1,1,1,2-Tetrachloroethane	9.913	131	2524	0.92	ppb		81
82)	Ethylbenzene	9.937	106	5227	1.03	ppb	#	82
83)	(m+p)Xylene	10.047	106	11745	1.95	ppb		99
84)	o-Xylene	10.400	106	6006	0.99	ppb	#	76
85)	Styrene	10.425	104	9862	0.95	ppb		95
87)	Bromoform	10.577	173	1282	0.81	ppb		90
88)	2-CBTF	10.650	180	5239	1.02	ppb	#	87
89)	Isopropylbenzene	10.736	105	14071	0.96	ppb		92
90)	Cyclohexanone	10.827	55	15657m	19.93	ppb		
91)	trans-1,4-Dichloro-2-B...	11.059	53	698	0.71	ppb	#	76
92)	1,1,2,2-Tetrachloroethane	11.010	83	4128	0.94	ppb		91
93)	Bromobenzene	10.986	156	4191	1.06	ppb		98
94)	1,2,3-Trichloropropane	11.041	110	1629	1.11	ppb	#	88
95)	n-Propylbenzene	11.089	91	16716	0.96	ppb		99
96)	2-Chlorotoluene	11.156	91	10983	1.02	ppb		91
97)	3-Chlorotoluene	11.211	91	10917	0.97	ppb		97
98)	4-Chlorotoluene	11.248	91	11903	1.01	ppb		97
99)	1,3,5-Trimethylbenzene	11.242	105	12003	0.97	ppb		97
100)	tert-Butylbenzene	11.510	119	10622	0.95	ppb		96
101)	1,2,4-Trimethylbenzene	11.547	105	12994	1.00	ppb		94
102)	3,4-DCBTF	11.614	214	4487	1.02	ppb		90
103)	sec-Butylbenzene	11.693	105	14566	0.92	ppb		95
104)	p-Isopropyltoluene	11.815	119	12657	0.92	ppb		87

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:46:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

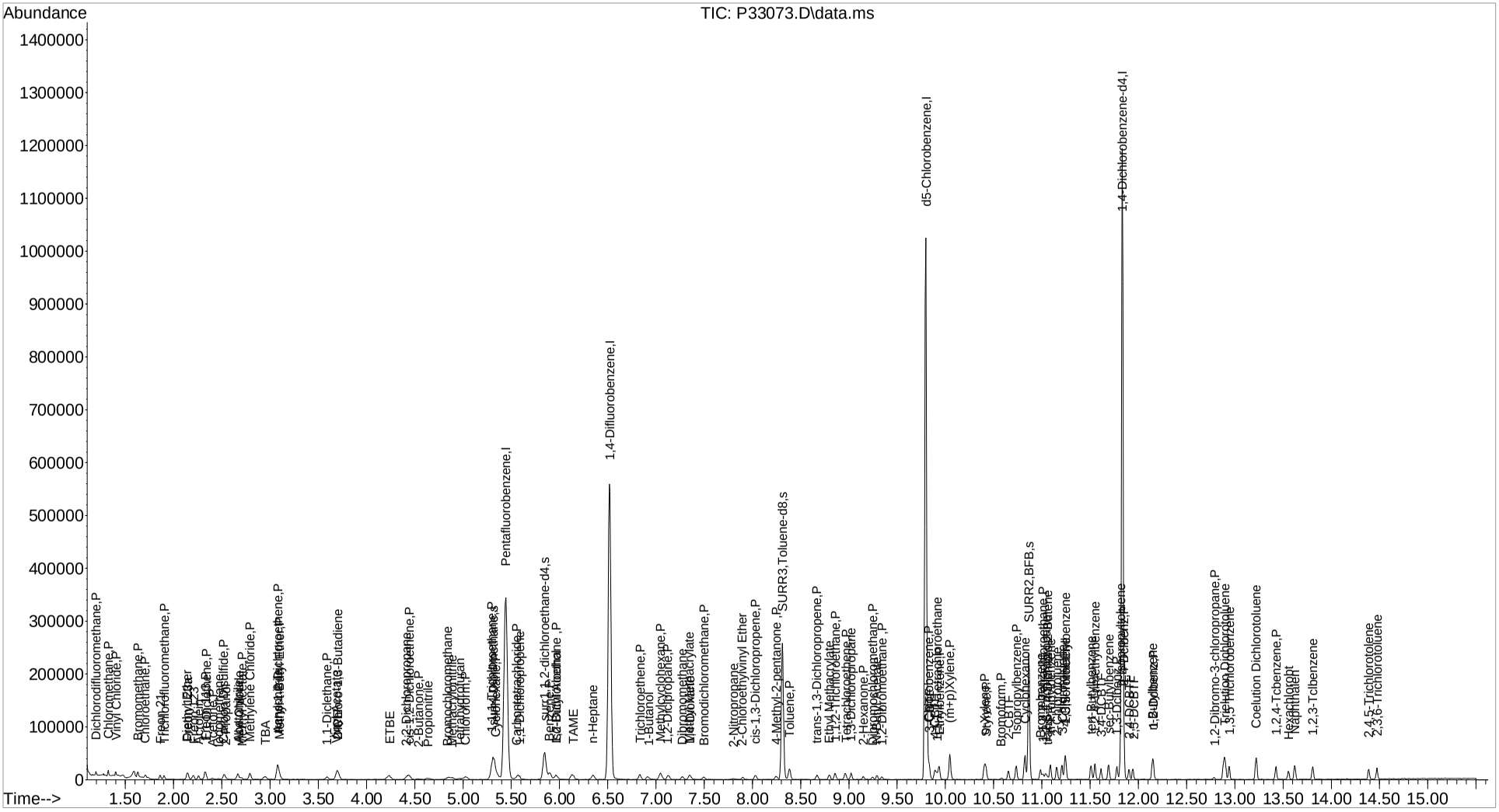
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,3-Dclbenz	11.778	146	7418	0.97	ppb	#	75
106) 1,4-Dclbenz	11.851	146	8928	1.12	ppb		99
107) 2,4-DCBTF	11.906	214	4166	1.02	ppb	#	83
108) 2,5-DCBTF	11.949	214	4724	1.05	ppb	#	71
109) n-Butylbenzene	12.144	91	10271	0.84	ppb		97
110) 1,2-Dclbenz	12.156	146	8452	1.08	ppb		91
111) 1,2-Dibromo-3-chloropr...	12.790	157	947	0.91	ppb	#	84
112) Trielution Dichlorotol...	12.894	125	20330	3.02	ppb		94
113) 1,3,5 Trichlorobenzene	12.943	180	6071	0.98	ppb	#	93
114) Coelution Dichlorotoluene	13.217	125	14587	1.98	ppb	#	86
115) 1,2,4-Tcbenzene	13.430	180	6088	1.01	ppb		98
116) Hexachlorobt	13.552	225	2688	1.11	ppb	#	82
117) Naphthalen	13.619	128	16389	0.98	ppb		98
118) 1,2,3-Tclbenzene	13.808	180	6305	1.06	ppb		89
119) 2,4,5-Trichlorotolene	14.387	159	3920	0.93	ppb	#	89
120) 2,3,6-Trichlorotoluene	14.473	159	3812	0.97	ppb	#	74

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33073.D
Acq On : 21 Jan 2020 1:32 pm
Operator : K.Ruest
Sample : 1.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:46:24 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

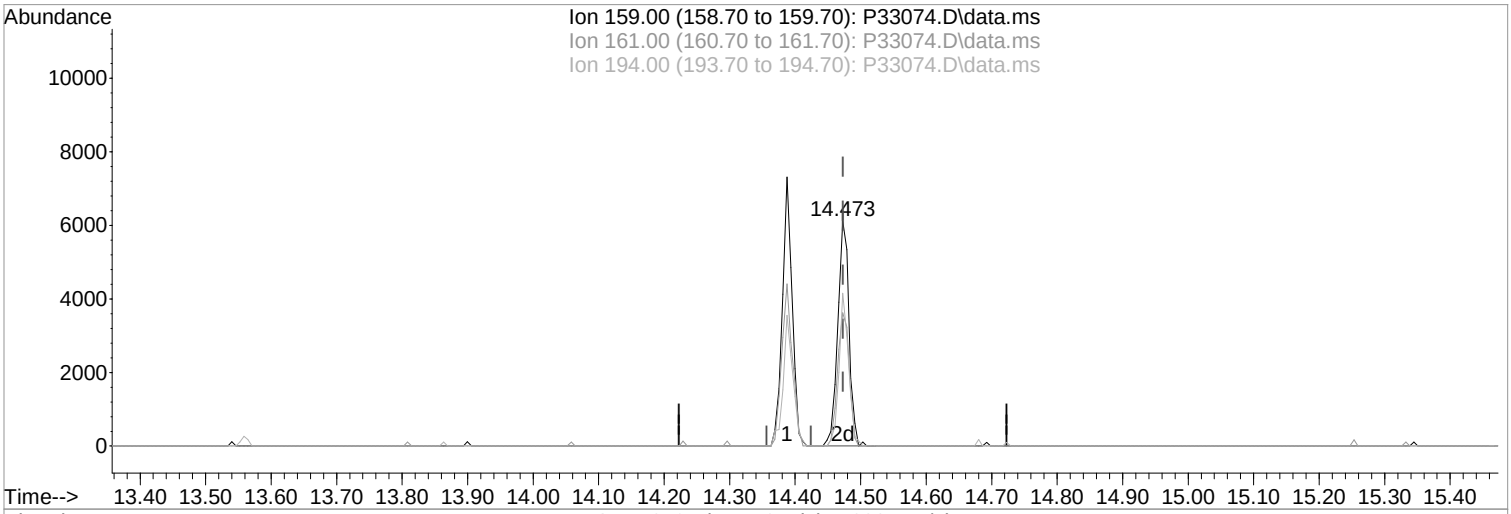


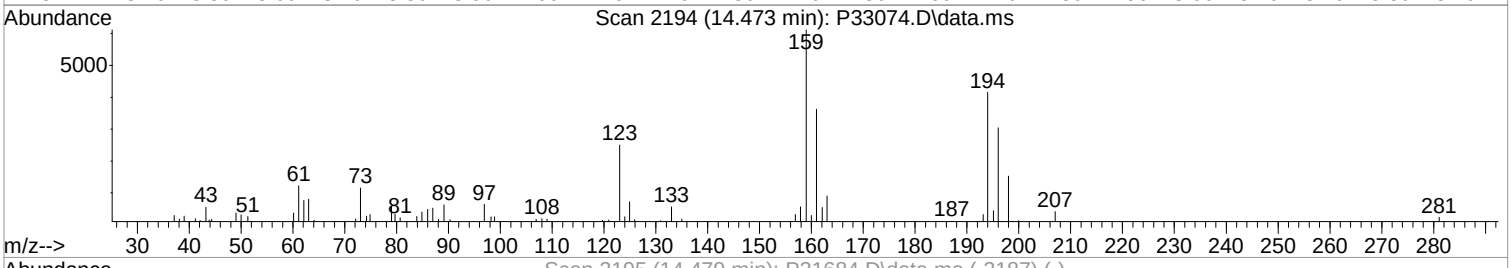
1st 01/22/20
2nd 01/22/20

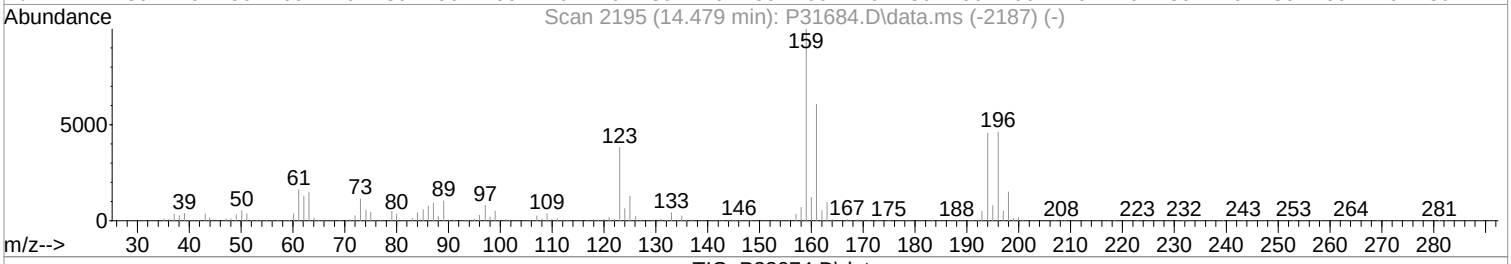
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:37:38 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33074.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.473min (-0.000) 1.84 ppb m

response 7379

Ion	Exp%	Act%
159.00	100	100
161.00	62.90	59.26
194.00	50.40	67.85#
0.00	0.00	0.00

Manual Integration:

After

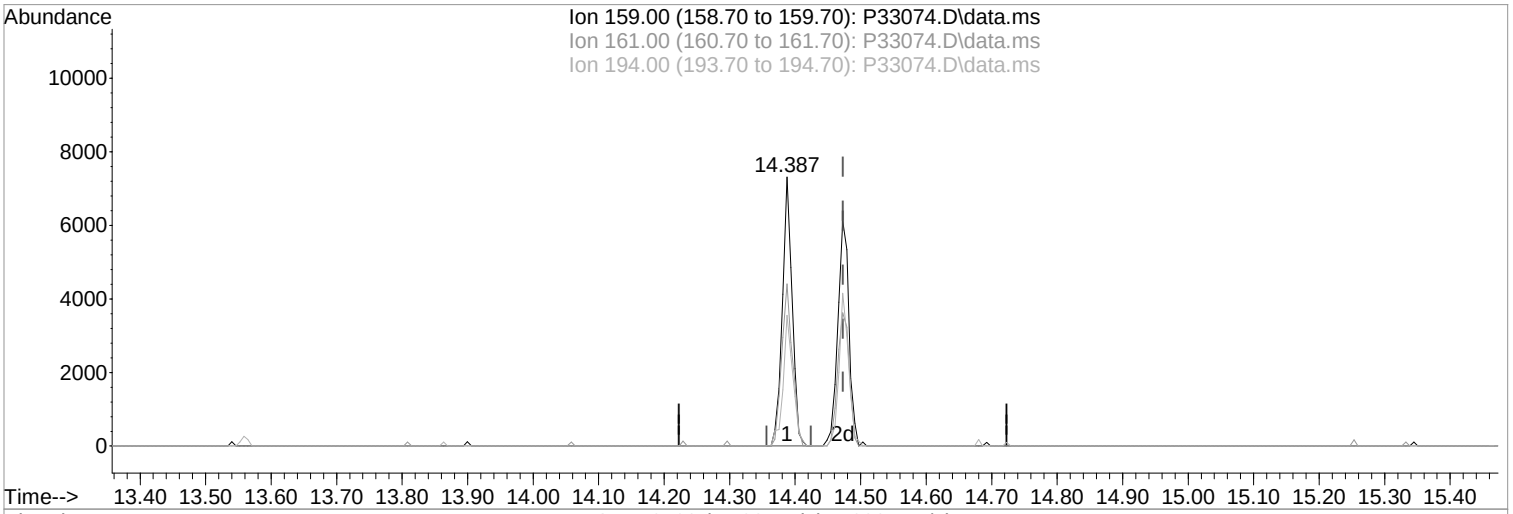
Wrong peak selected.

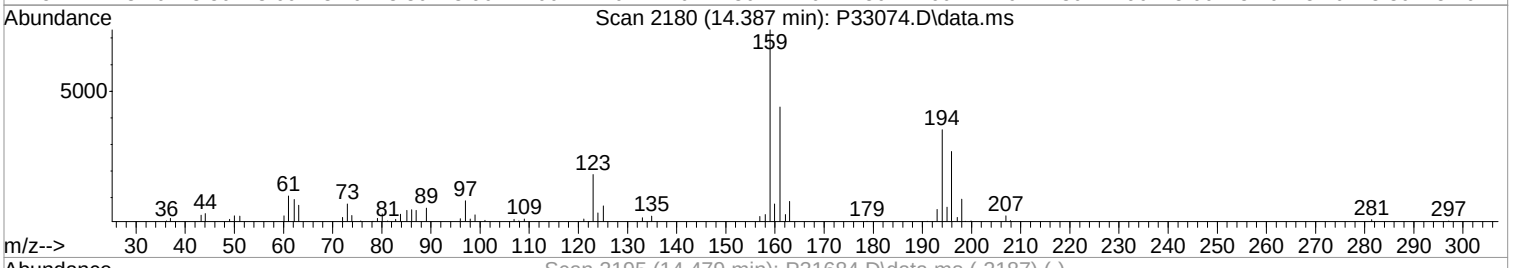
01/22/20

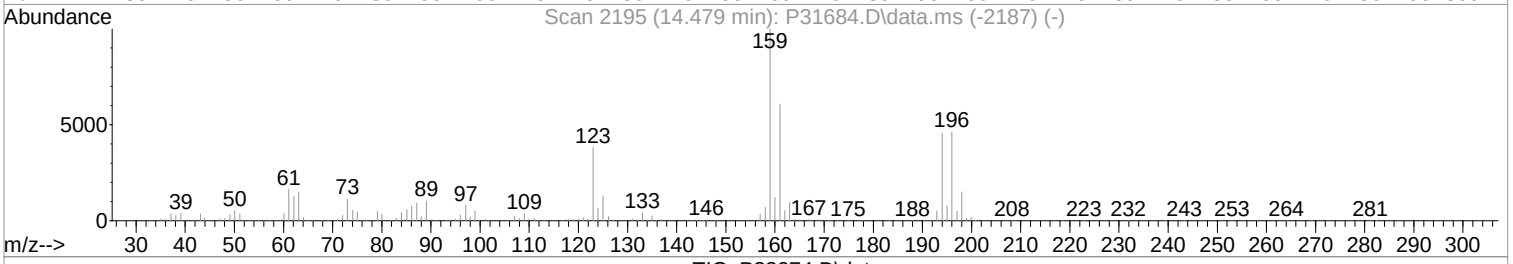
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:37:38 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33074.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.387min (-0.085) 1.90 ppb

response 7631

Ion	Exp%	Act%
159.00	100	100
161.00	62.90	60.23
194.00	50.40	48.59
0.00	0.00	0.00

Manual Integration:

Before

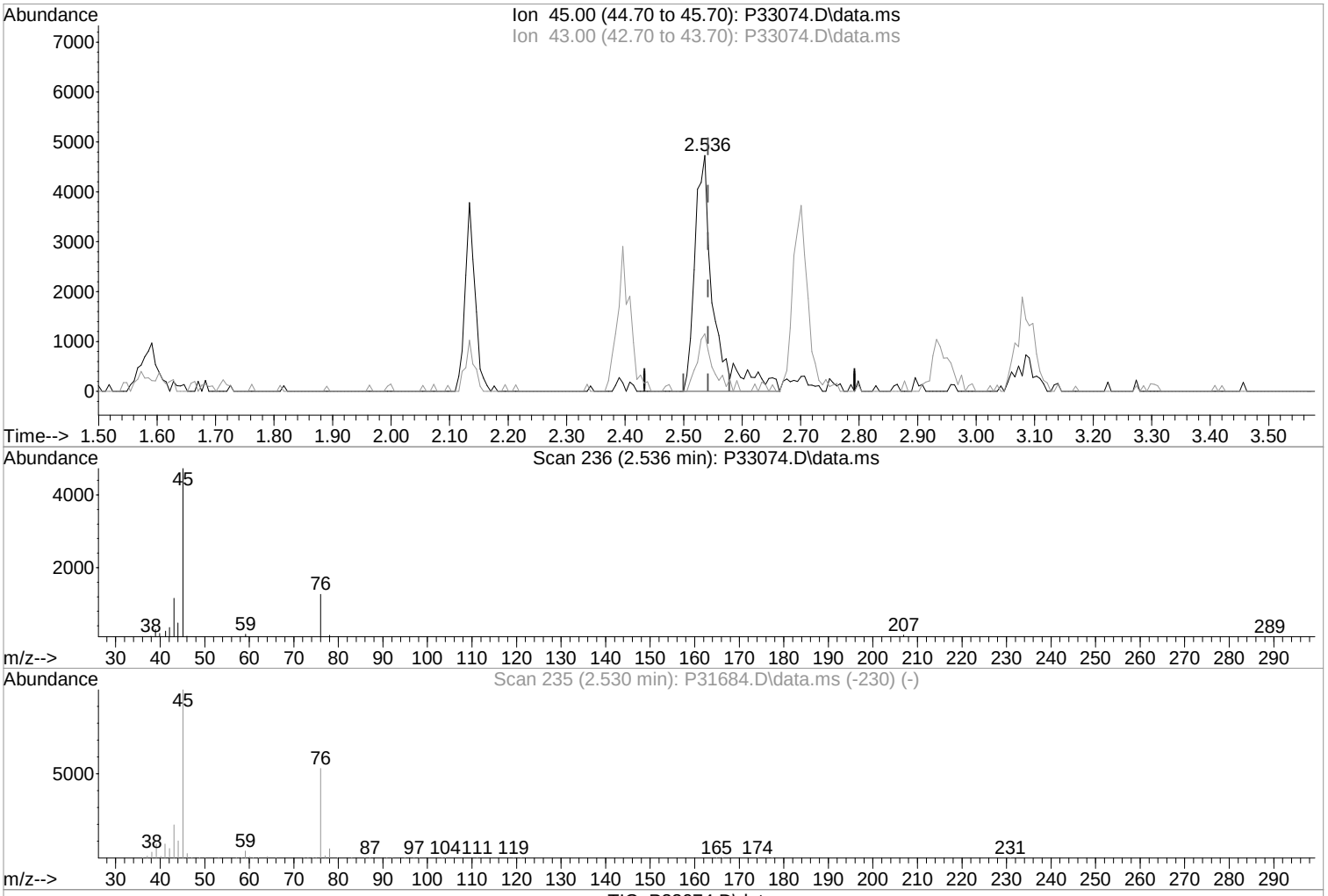
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:37:38 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33074.D\data.ms

(16) 2-Propanol

2.536min (-0.006) 36.91 ppb m

response 10818

Ion	Exp%	Act%
45.00	100	100
43.00	18.70	24.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

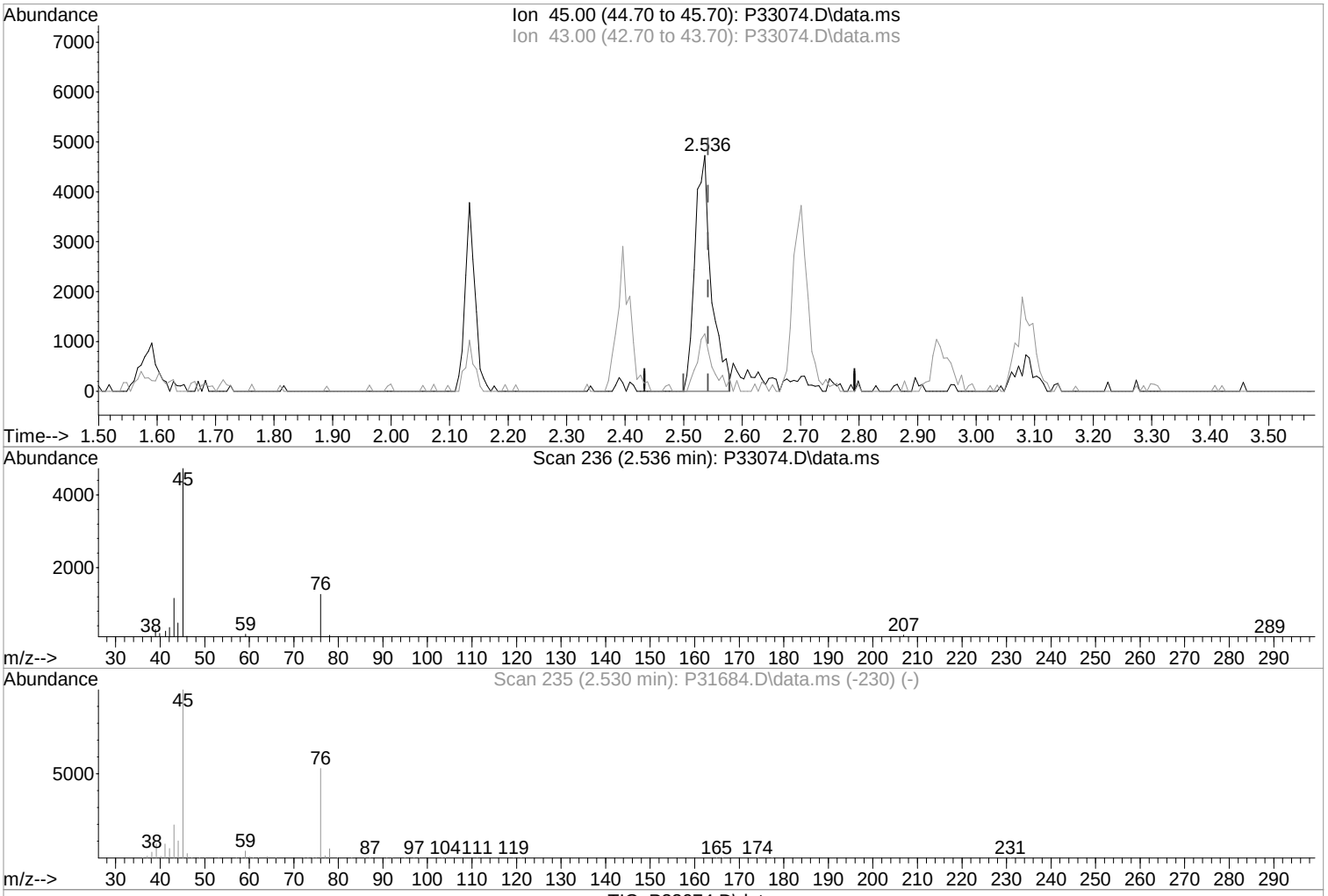
Poor integration.

01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:37:38 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33074.D\data.ms

(16) 2-Propanol

2.536min (-0.006) 31.84 ppb

response 9332

Ion	Exp%	Act%
45.00	100	100
43.00	18.70	24.41
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

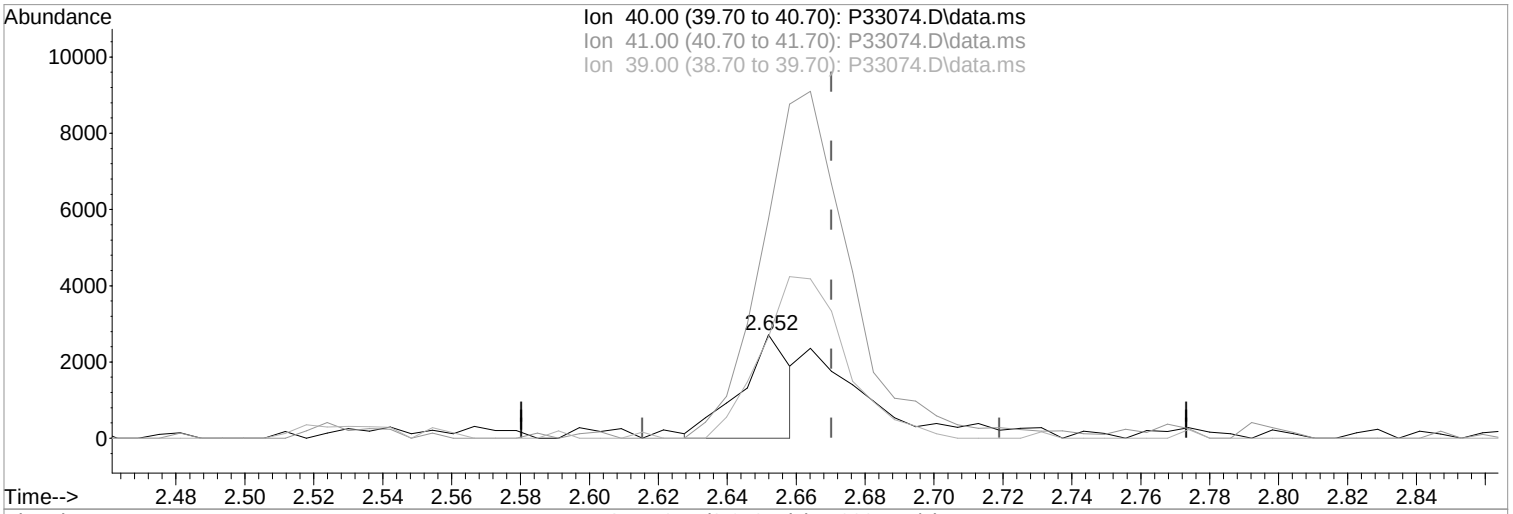
01/22/20

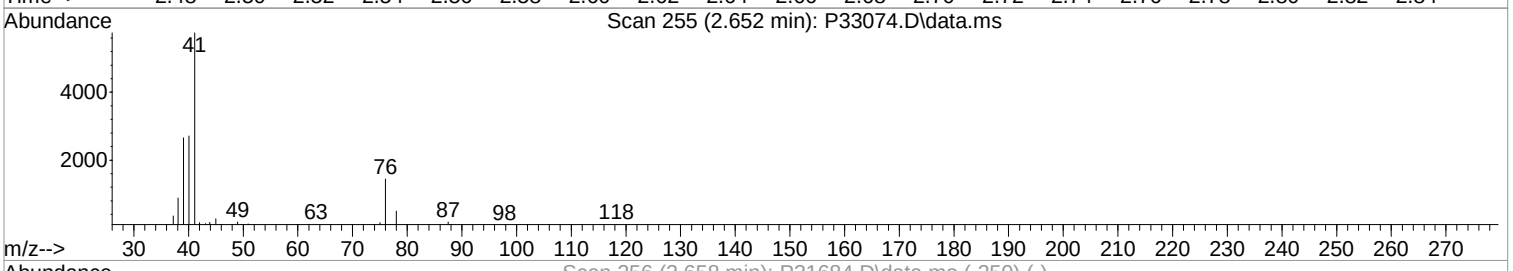
1st 01/22/20
2nd 01/22/20

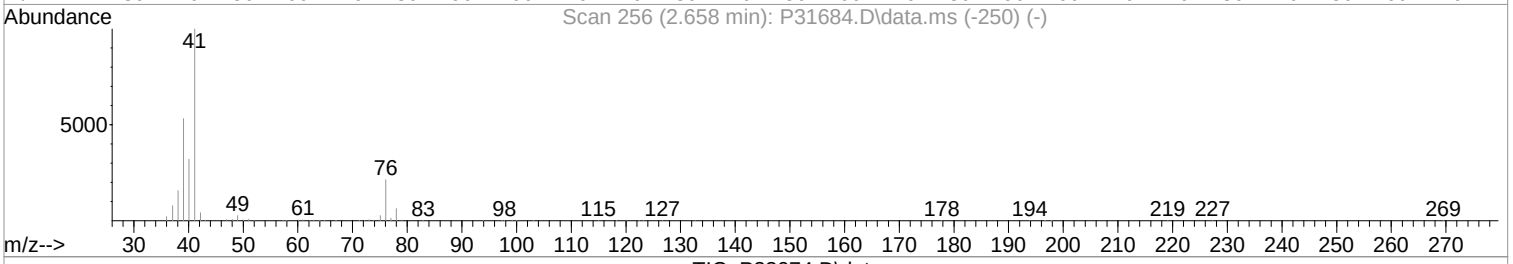
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:37:38 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33074.D\data.ms

(19) Acetonitrile

2.652min (-0.018) 11.92 ppb m

response 2701

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	212.02#
39.00	158.80	97.71#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

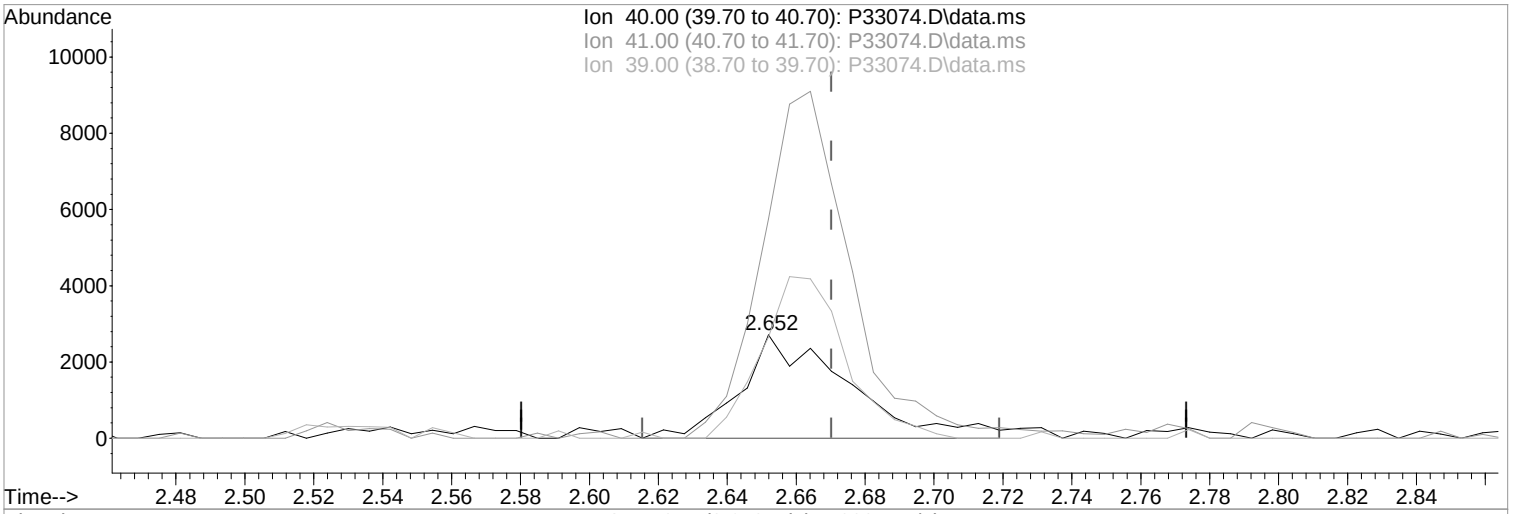
01/22/20

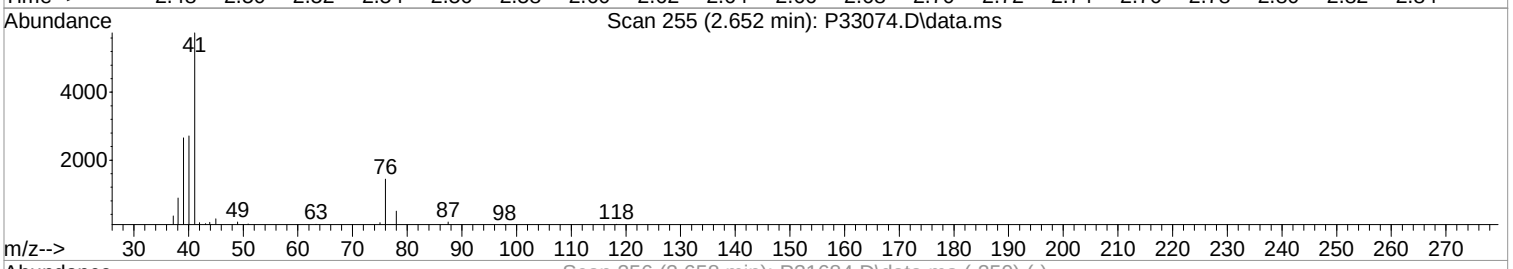
1st 01/22/20
2nd 01/22/20

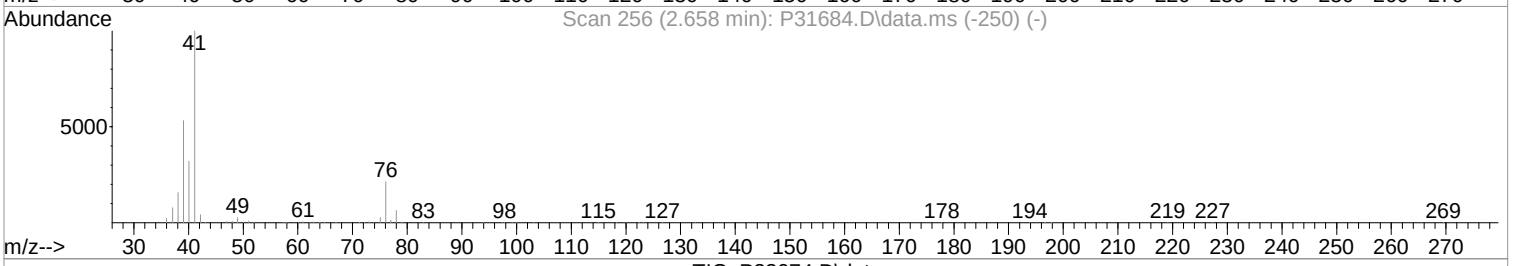
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:37:38 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33074.D\data.ms

(19) Acetonitrile

2.652min (-0.018) 26.35 ppb

response 5968

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	212.02#
39.00	158.80	97.71#
0.00	0.00	0.00

Manual Integration:

Before

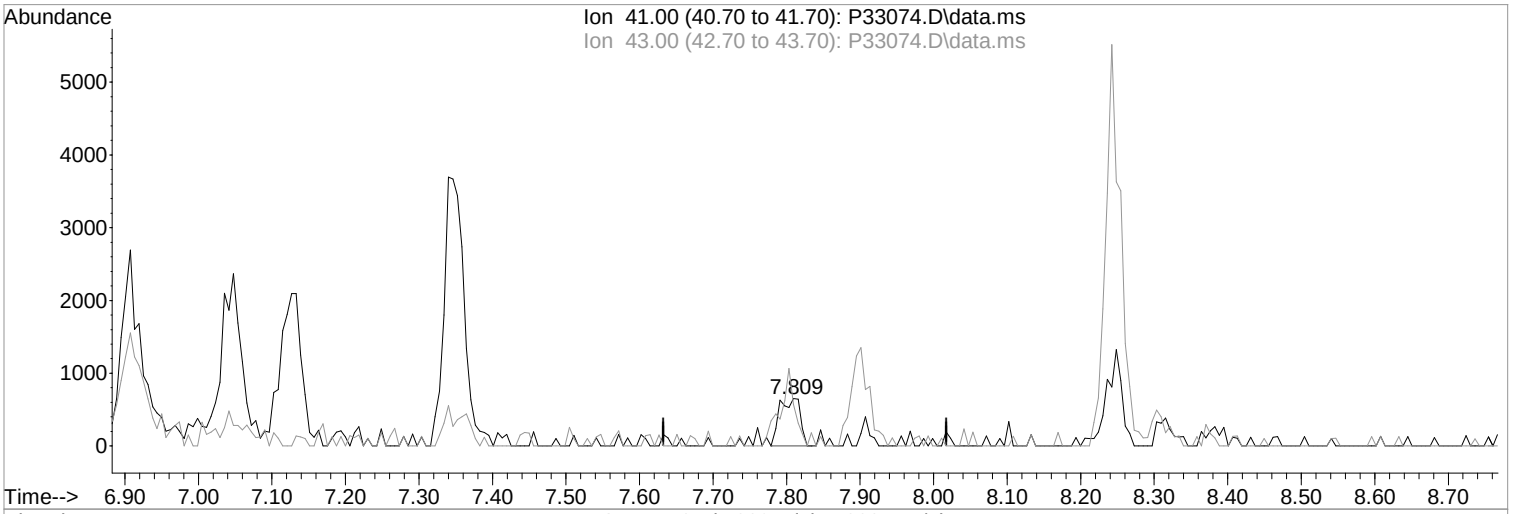
01/22/20

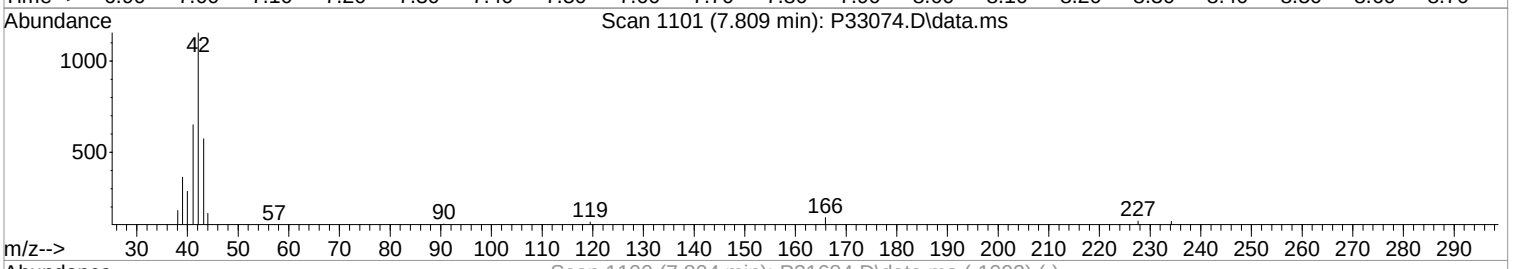
1st 01/22/20
2nd 01/22/20

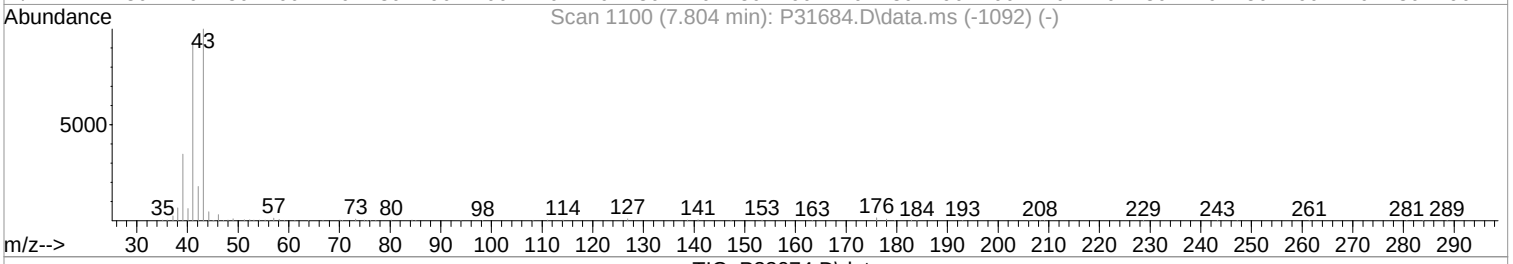
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:37:38 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33074.D\data.ms

(61) 2-Nitropropane

7.809min (+0.006) 3.23 ppb m

response 1275

Ion	Exp%	Act%
41.00	100	100
43.00	111.70	88.02#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

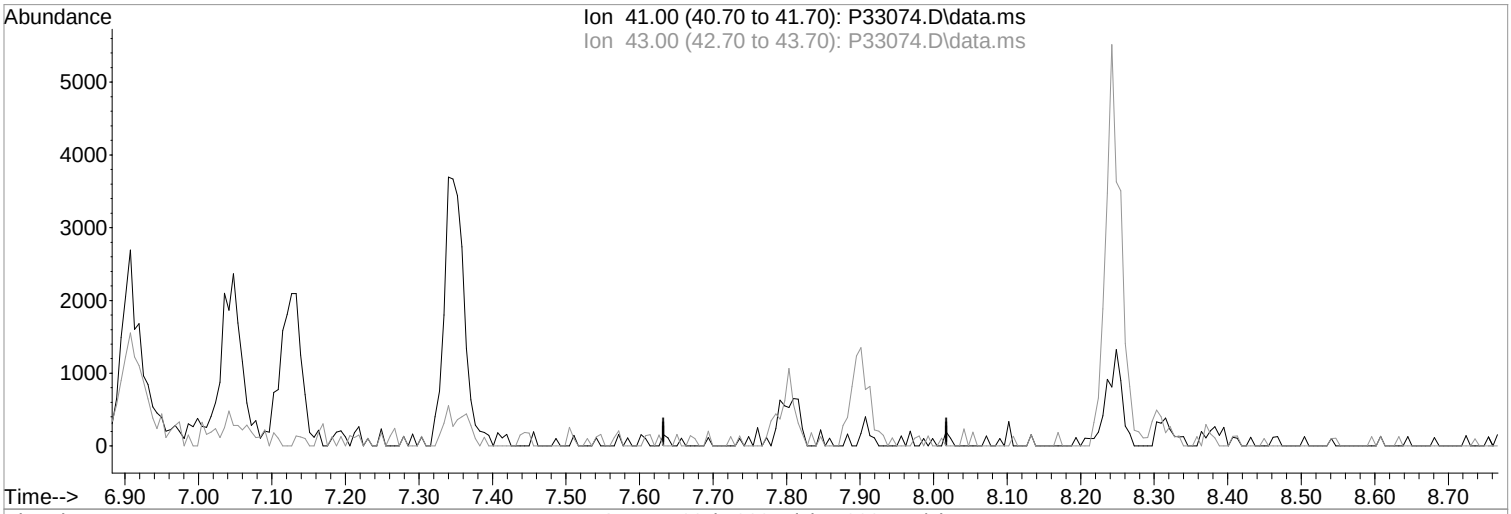
01/22/20

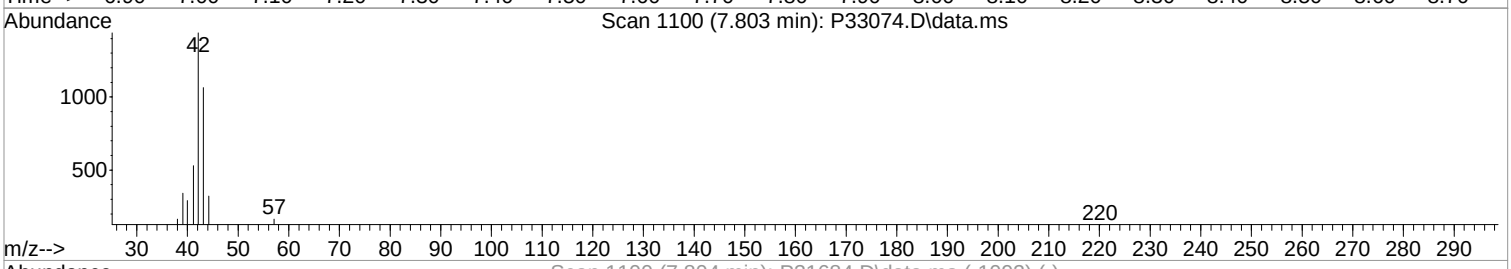
1st 01/22/20
2nd 01/22/20

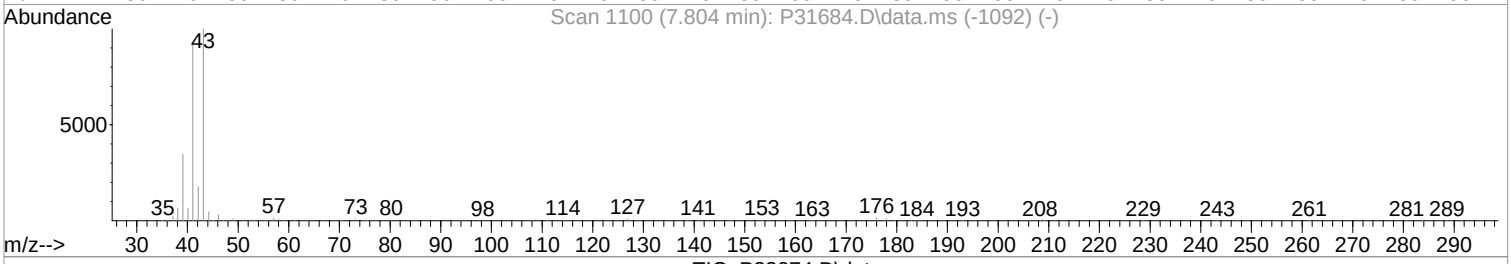
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:37:38 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33074.D\data.ms

(61) 2-Nitropropane

7.803min (-7.803) 0.00 ppb

response 0

Ion	Exp%	Act%
41.00	100	0.00
43.00	111.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:49:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.438	168	358189	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	537104	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	477625	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	256737	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	31891	11.24	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 22.48%#				
48) surr1,1,2-dichloroetha...	5.840	65	39811	11.57	ppb		-0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 23.14%#				
65) SURR3,Toluene-d8	8.309	98	161756	12.21	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 24.42%#				
70) SURR2,BFB	10.864	95	60228	11.78	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 23.56%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	7430	1.86	ppb		95
3) Chloromethane	1.317	50	8462	1.94	ppb		94
4) Vinyl Chloride	1.396	62	8990	1.98	ppb		97
5) Bromomethane	1.622	94	8322	2.39	ppb		96
6) Chloroethane	1.701	64	6011	2.13	ppb		98
7) Freon 21	1.853	67	10077	1.99	ppb		97
8) Trichlorofluoromethane	1.896	101	7823	1.94	ppb		80
9) Diethyl Ether	2.140	59	6217	1.98	ppb		85
10) Freon 123a	2.146	67	6696	2.05	ppb		93
11) Freon 123	2.195	83	8567	2.14	ppb		96
12) Acrolein	2.250	56	8906	9.63	ppb		84
13) 1,1-Diclethene	2.323	96	5979	2.14	ppb		94
14) Freon 113	2.329	101	5742	2.18	ppb		84
15) Acetone	2.396	43	4484	2.98	ppb		88
16) 2-Propanol	2.536	45	10818m	36.91	ppb		
17) Iodomethane	2.457	142	2585	0.73	ppb		98
18) Carbon Disulfide	2.518	76	17016	1.99	ppb		94
19) Acetonitrile	2.652	40	2701m	11.92	ppb		
20) Allyl Chloride	2.658	76	3602	2.23	ppb		96
21) Methyl Acetate	2.701	43	6541	1.89	ppb		96
22) Methylene Chloride	2.780	84	8450	2.33	ppb		88
23) TBA	2.945	59	16628	33.65	ppb		95
24) Acrylonitrile	3.073	53	18166	9.85	ppb		96
25) Methyl-t-Butyl Ether	3.085	73	21874	2.00	ppb		96
26) trans-1,2-Dichloroethene	3.073	96	6761	2.19	ppb	#	84
28) 1,1-Diclethane	3.585	63	10391	1.94	ppb		92
29) Vinyl Acetate	3.688	86	1347	1.76	ppb	#	64
30) DIPE	3.694	45	18203	1.98	ppb		87
31) 2-Chloro-1,3-Butadiene	3.694	53	9321	1.90	ppb		89
32) ETBE	4.231	59	18831	2.03	ppb		97
33) 2,2-Dichloropropane	4.414	77	8848	2.13	ppb		92
34) cis-1,2-Dichloroethene	4.432	96	7702	2.14	ppb		86
35) 2-Butanone	4.524	43	4985	2.26	ppb		84
36) Propionitrile	4.639	54	7962	10.78	ppb		98
37) Bromochloromethane	4.834	130	4490	2.05	ppb		87
38) Methacrylonitrile	4.871	67	4823	2.38	ppb	#	69
39) Tetrahydrofuran	4.975	42	3019	1.97	ppb		98
40) Chloroform	5.030	83	10954	2.00	ppb		81
41) 1,1,1-Trichloroethane	5.292	97	7921	1.86	ppb		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:49:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.127	73	18379	1.87	ppb		95
44) Cyclohexane	5.340	41	5760	1.94	ppb		94
46) Carbontetrachloride	5.554	117	5791	1.91	ppb		86
47) 1,1-Dichloropropene	5.566	75	8231	2.05	ppb		89
49) Benzene	5.895	78	27810	2.09	ppb		94
50) 1,2-Dichloroethane	5.962	62	8872	2.07	ppb		96
51) Iso-Butyl Alcohol	5.956	43	5415	27.83	ppb		92
52) n-Heptane	6.346	43	7893	1.90	ppb		94
53) 1-Butanol	6.907	56	7633	65.08	ppb		88
54) Trichloroethene	6.840	130	7487	2.22	ppb	#	81
55) Methylcyclohexane	7.041	55	8649	1.97	ppb	#	83
56) 1,2-Diclpropane	7.127	63	7780	2.32	ppb		89
57) Dibromomethane	7.267	93	3748	1.90	ppb		87
58) 1,4-Dioxane	7.346	88	2583	35.03	ppb		85
59) Methyl Methacrylate	7.352	69	6152	1.97	ppb		88
60) Bromodichloromethane	7.492	83	7146	1.96	ppb		93
61) 2-Nitropropane	7.809	41	1275m	3.23	ppb		
62) 2-Chloroethylvinyl Ether	7.901	63	3684	1.81	ppb		88
63) cis-1,3-Dichloropropene	8.023	75	9746	1.97	ppb		90
64) 4-Methyl-2-pentanone	8.242	43	7953	1.86	ppb		88
66) Toluene	8.383	91	30785	2.13	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	8166	1.83	ppb		88
68) Ethyl Methacrylate	8.797	69	8664	1.69	ppb		96
69) 1,1,2-Trichloroethane	8.864	97	6851	2.00	ppb	#	79
72) Tetrachloroethene	8.962	164	5650	2.12	ppb		95
73) 2-Hexanone	9.145	43	5564	1.78	ppb		92
74) 1,3-Dichloropropane	9.023	76	12026	2.10	ppb		81
75) Dibromochloromethane	9.248	129	4539	1.74	ppb		98
76) N-Butyl Acetate	9.291	43	10634	1.87	ppb		97
77) 1,2-Dibromoethane	9.340	107	6681	2.06	ppb		86
78) Chlorobenzene	9.821	112	19897	2.13	ppb		96
79) 3-CBTF	9.840	180	9449	1.76	ppb	#	84
80) 4-CBTF	9.894	180	9514	1.92	ppb		95
81) 1,1,1,2-Tetrachloroethane	9.913	131	5121	1.83	ppb		94
82) Ethylbenzene	9.937	106	10416	2.02	ppb		98
83) (m+p)Xylene	10.047	106	25414	4.14	ppb		97
84) o-Xylene	10.407	106	12191	1.98	ppb		93
85) Styrene	10.419	104	19968	1.89	ppb		94
87) Bromoform	10.583	173	2611	1.63	ppb		76
88) 2-CBTF	10.656	180	10414	2.00	ppb		94
89) Isopropylbenzene	10.736	105	32104	2.15	ppb		95
90) Cyclohexanone	10.827	55	32324	40.45	ppb		98
91) trans-1,4-Dichloro-2-B...	11.059	53	1610	1.60	ppb		95
92) 1,1,2,2-Tetrachloroethane	11.010	83	9177	2.06	ppb		84
93) Bromobenzene	10.986	156	9210	2.29	ppb		95
94) 1,2,3-Trichloropropane	11.041	110	2977	1.99	ppb		91
95) n-Propylbenzene	11.089	91	36716	2.07	ppb		96
96) 2-Chlorotoluene	11.150	91	23406	2.14	ppb		95
97) 3-Chlorotoluene	11.205	91	23634	2.07	ppb		95
98) 4-Chlorotoluene	11.248	91	25263	2.11	ppb		96
99) 1,3,5-Trimethylbenzene	11.242	105	26521	2.11	ppb		93
100) tert-Butylbenzene	11.510	119	23761	2.09	ppb		94
101) 1,2,4-Trimethylbenzene	11.547	105	26581	2.02	ppb		92
102) 3,4-DCBTF	11.614	214	8594	1.92	ppb		91
103) sec-Butylbenzene	11.693	105	32608	2.02	ppb		94
104) p-Isopropyltoluene	11.809	119	26862	1.92	ppb		92

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
Sample : 2.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 22 10:49:01 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

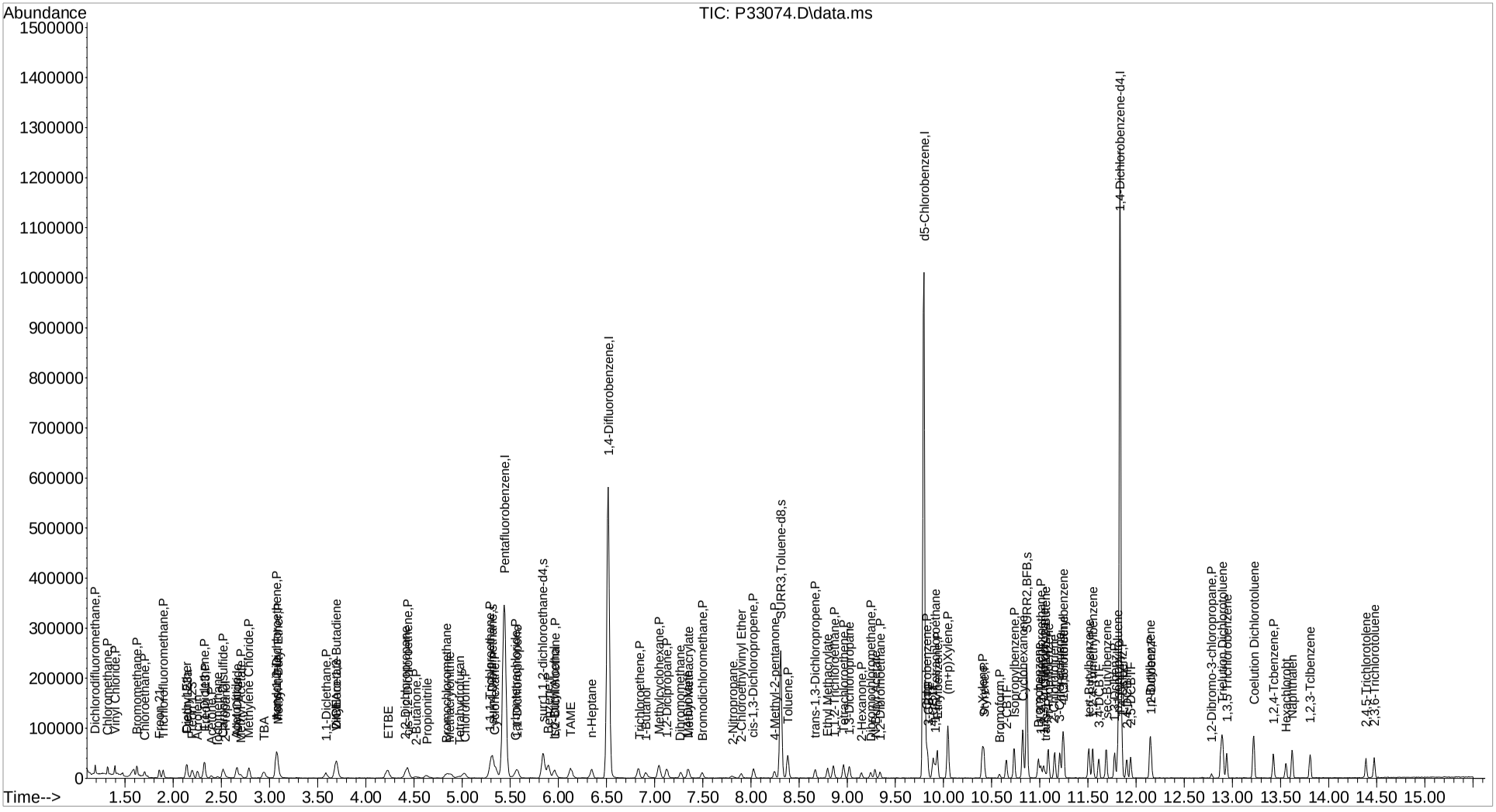
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) 1,3-Dclbenz	11.778	146	16221	2.08	ppb		88
106) 1,4-Dclbenz	11.857	146	17160	2.12	ppb		92
107) 2,4-DCBTF	11.906	214	8015	1.94	ppb		93
108) 2,5-DCBTF	11.943	214	8505	1.86	ppb		91
109) n-Butylbenzene	12.144	91	24819	1.98	ppb		98
110) 1,2-Dclbenz	12.156	146	16197	2.04	ppb		91
111) 1,2-Dibromo-3-chloropr...	12.784	157	1951	1.84	ppb	#	72
112) Trielution Dichlorotol...	12.894	125	42107	6.14	ppb	#	91
113) 1,3,5 Trichlorobenzene	12.943	180	12215	1.93	ppb		93
114) Coelution Dichlorotoluene	13.223	125	29306	3.90	ppb		96
115) 1,2,4-Tcbenzene	13.430	180	12075	1.97	ppb		97
116) Hexachlorobt	13.558	225	5074	2.07	ppb		92
117) Naphthalen	13.619	128	34243	2.01	ppb		98
118) 1,2,3-Tclbenzene	13.808	180	11502	1.91	ppb		92
119) 2,4,5-Trichlorotolene	14.387	159	7631	1.78	ppb		96
120) 2,3,6-Trichlorotoluene	14.473	159	7379m	1.84	ppb		

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33074.D
Acq On : 21 Jan 2020 1:53 pm
Operator : K.Ruest
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QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

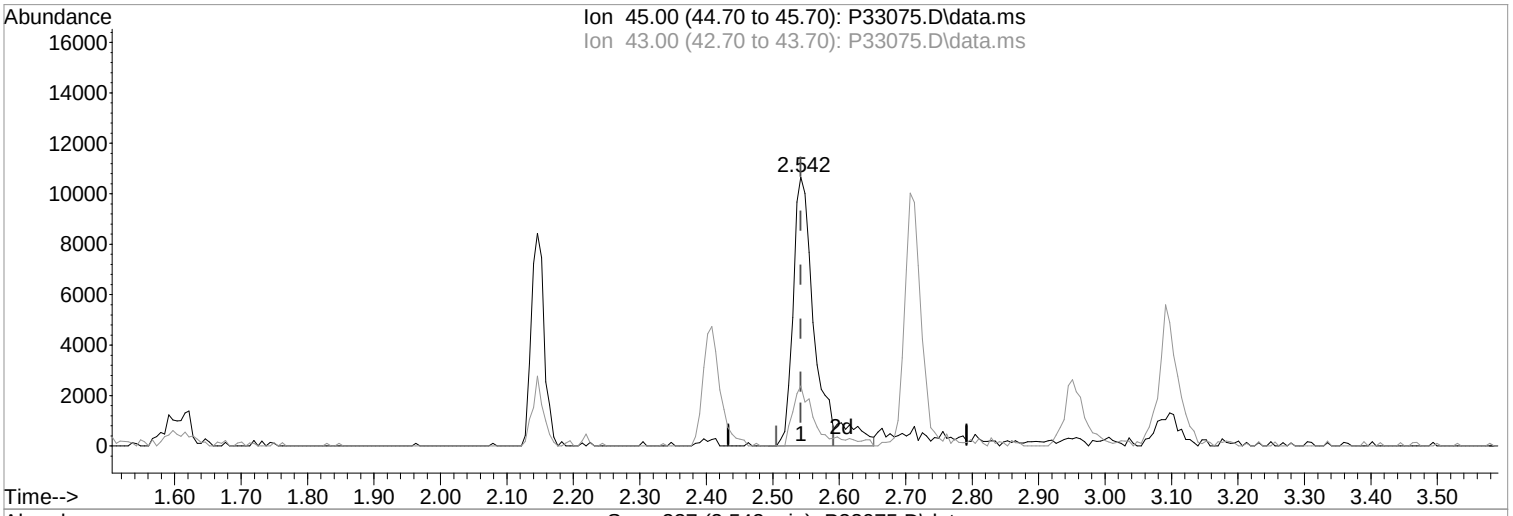


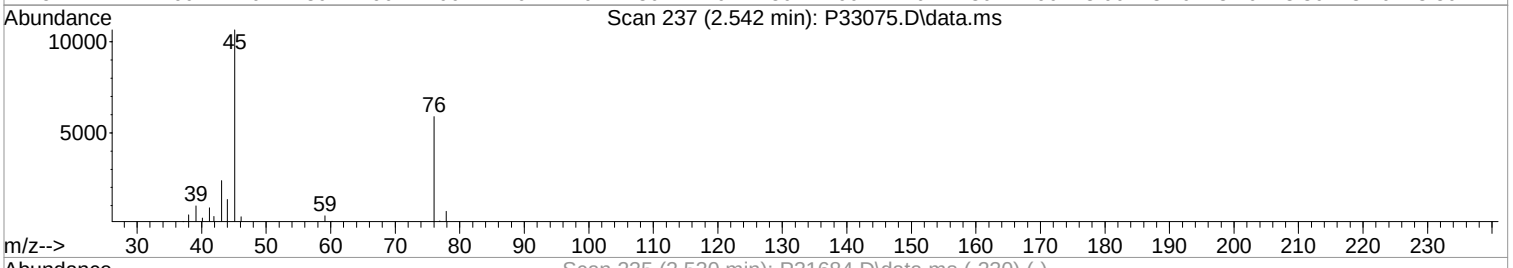
1st 01/22/20
2nd 01/22/20

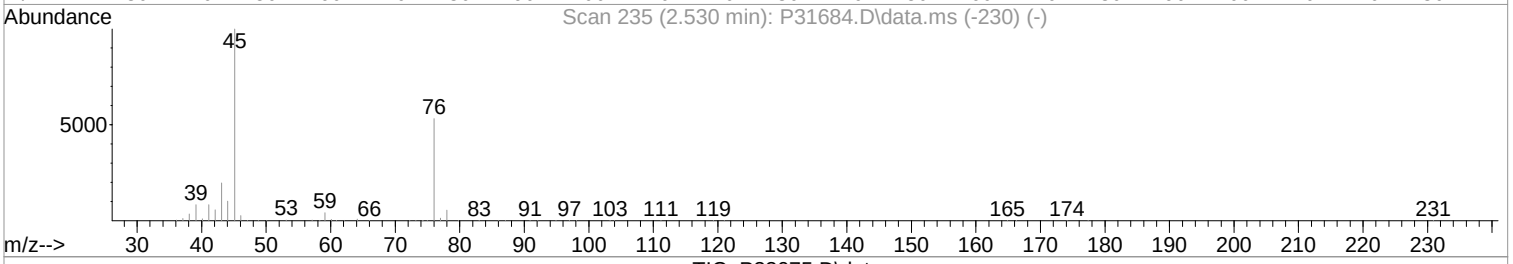
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33075.D
Acq On : 21 Jan 2020 2:15 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 22 10:37:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33075.D\data.ms

(16) 2-Propanol

2.542min (+0.000) 87.06 ppb m

response 24795

Ion	Exp%	Act%
45.00	100	100
43.00	18.70	22.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

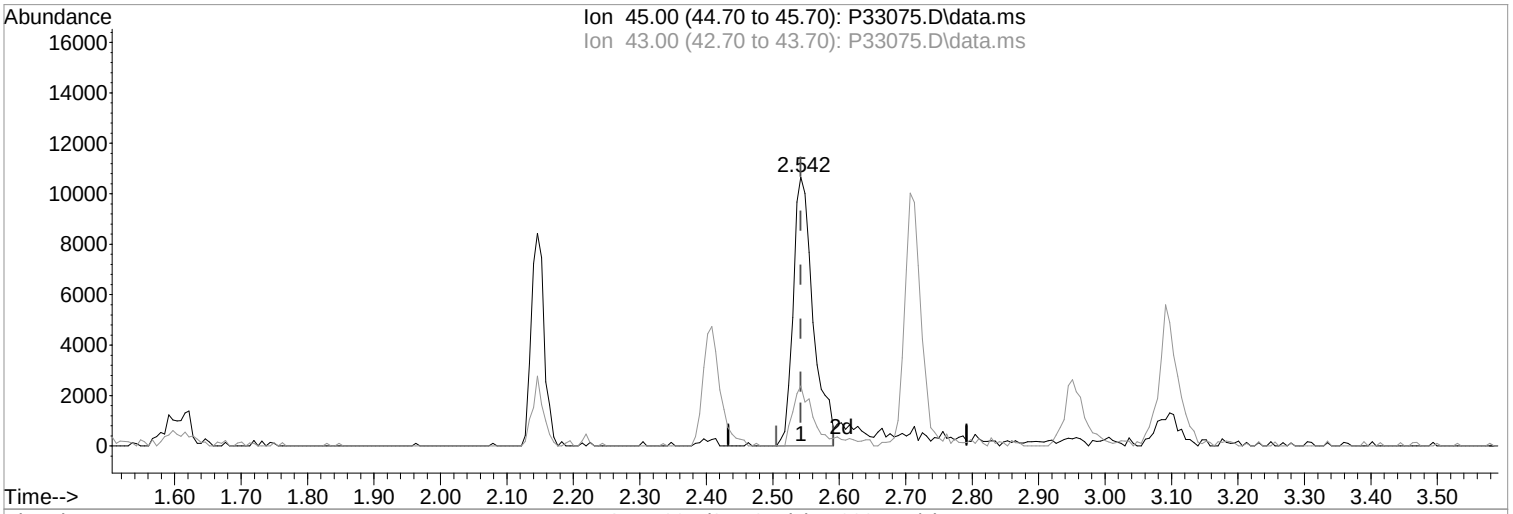
01/22/20

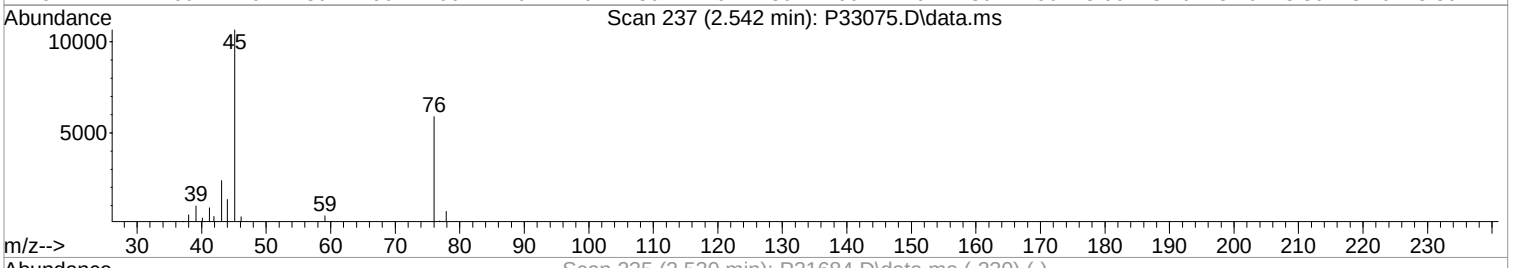
1st 01/22/20
2nd 01/22/20

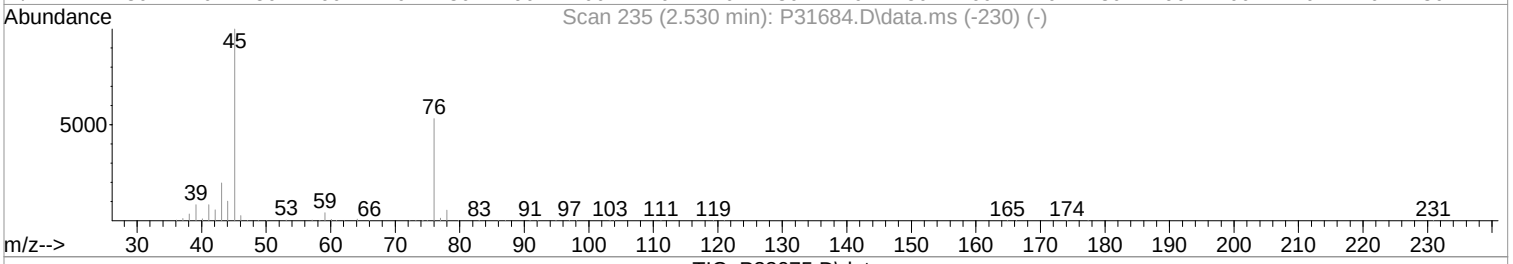
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33075.D
Acq On : 21 Jan 2020 2:15 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 22 10:37:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33075.D\data.ms

(16) 2-Propanol

2.542min (+0.000) 78.69 ppb

response 22412

Ion	Exp%	Act%
45.00	100	100
43.00	18.70	22.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

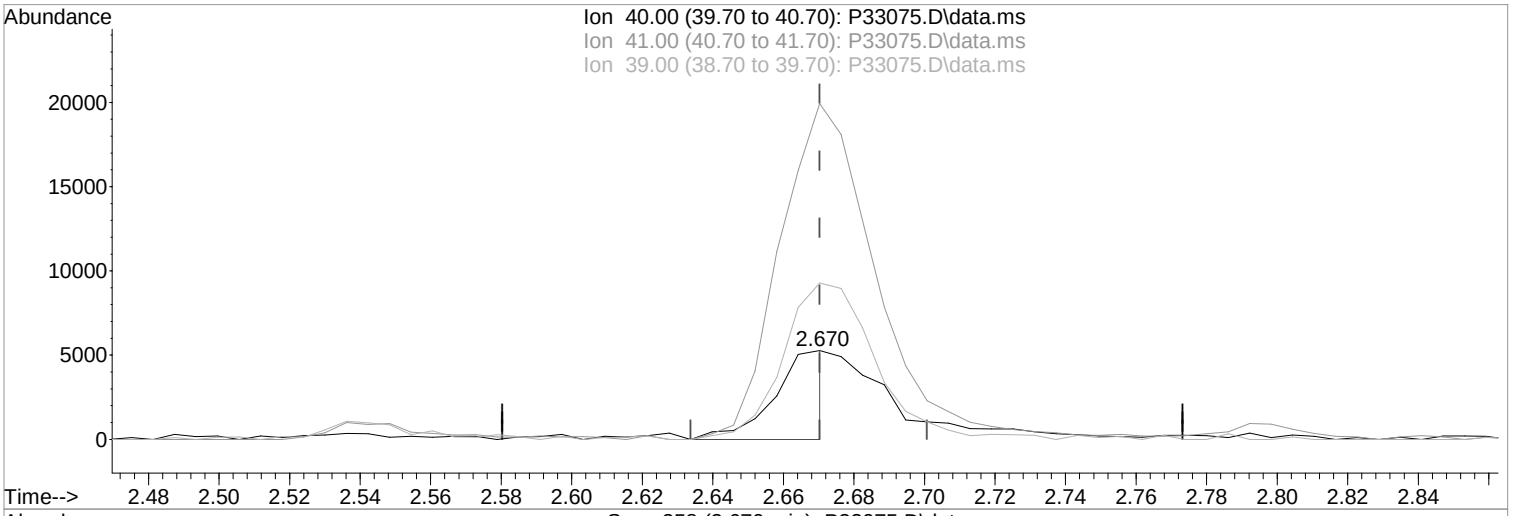
01/22/20

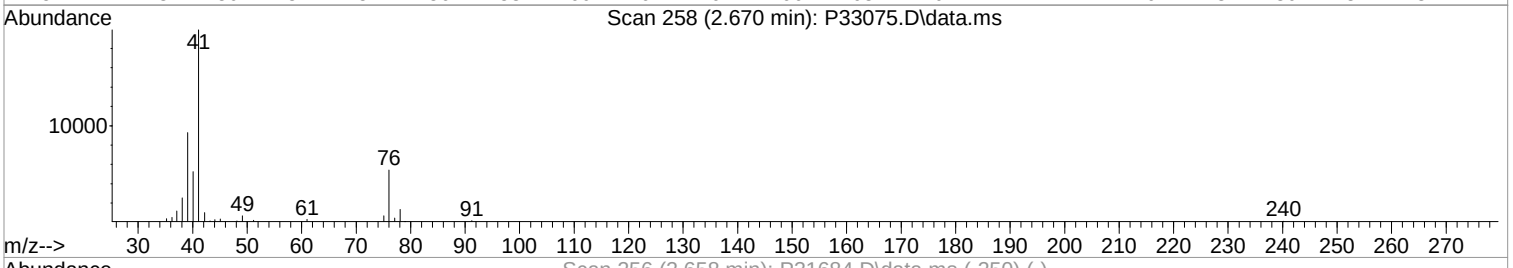
1st 01/22/20
2nd 01/22/20

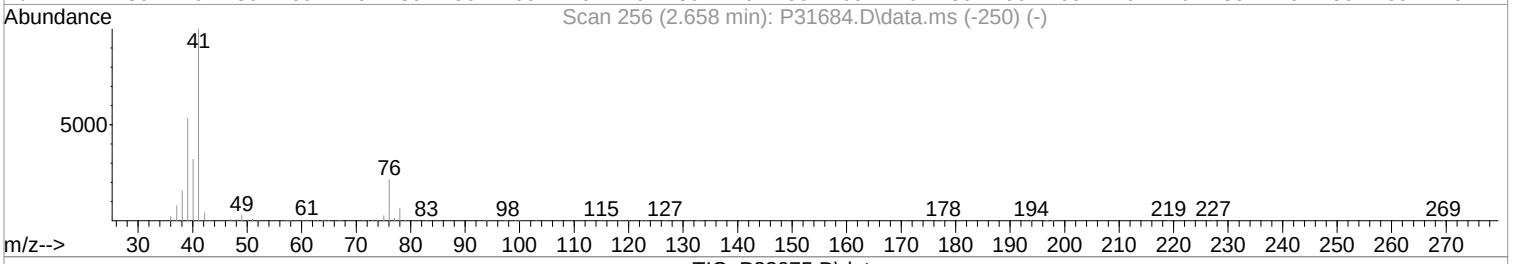
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33075.D
Acq On : 21 Jan 2020 2:15 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
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Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
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QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33075.D\data.ms

(19) Acetonitrile

2.670min (+0.000) 25.05 ppb m

response 5514

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	378.51#
39.00	158.80	176.36
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

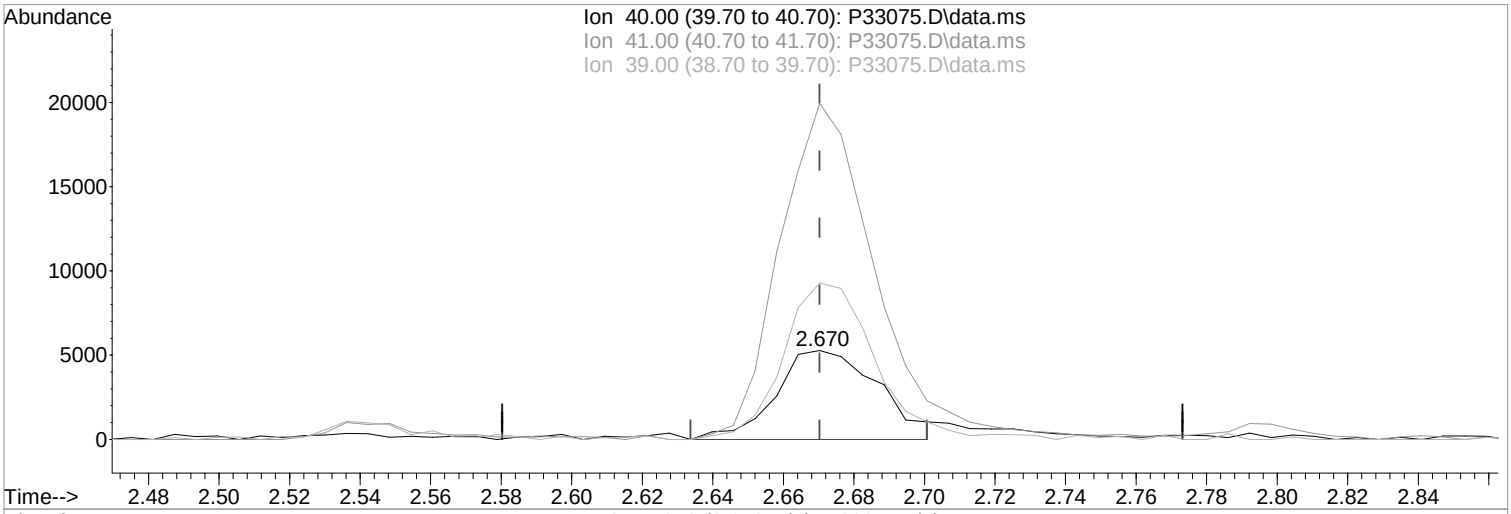
01/22/20

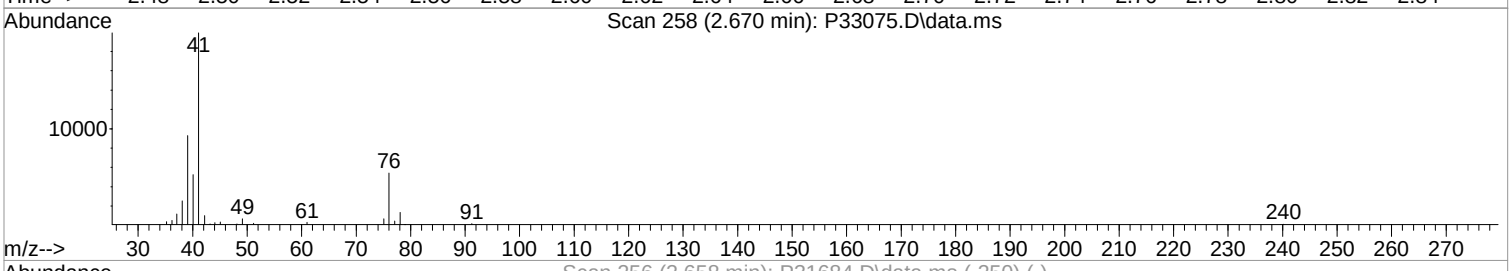
1st 01/22/20
2nd 01/22/20

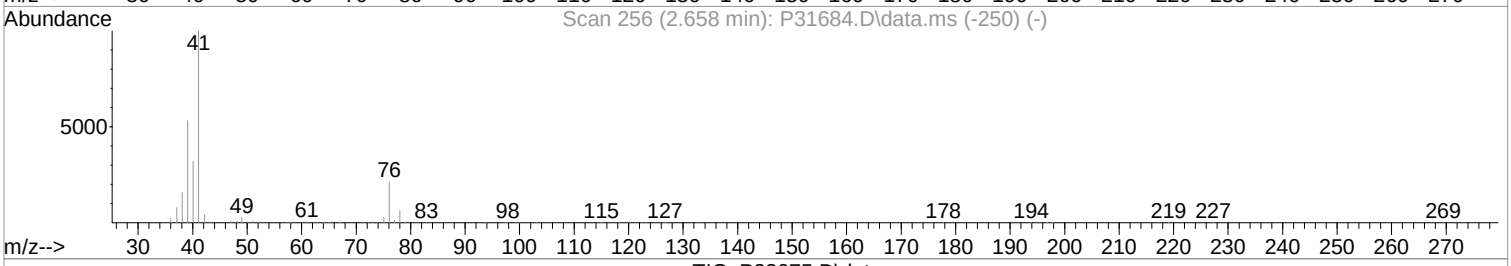
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33075.D
Acq On : 21 Jan 2020 2:15 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 22 10:37:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33075.D\data.ms

(19) Acetonitrile

2.670min (+0.000) 48.58 ppb

response 10693

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	378.51#
39.00	158.80	176.36
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33075.D
Acq On : 21 Jan 2020 2:15 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 22 10:50:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	348092	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	519660	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	468686	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	253735	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	31389	11.44	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 22.88%#				
48) surr1,1,2-dichloroetha...	5.846	65	38103	11.45	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 22.90%#				
65) SURR3,Toluene-d8	8.309	98	155798	12.16	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 24.32%#				
70) SURR2,BFB	10.864	95	57627	11.65	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 23.30%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	17291	4.46	ppb		97
3) Chloromethane	1.329	50	21107	4.97	ppb		99
4) Vinyl Chloride	1.408	62	22198	5.03	ppb		99
5) Bromomethane	1.628	94	18310	5.41	ppb		90
6) Chloroethane	1.707	64	14073	5.12	ppb		93
7) Freon 21	1.866	67	27004	5.48	ppb		94
8) Trichlorofluoromethane	1.908	101	19964	5.10	ppb		91
9) Diethyl Ether	2.146	59	15072	4.93	ppb		98
10) Freon 123a	2.152	67	17027	5.36	ppb		96
11) Freon 123	2.207	83	20359	5.24	ppb		97
12) Acrolein	2.268	56	22314	24.84	ppb		92
13) 1,1-Diclethene	2.335	96	13584	5.00	ppb		97
14) Freon 113	2.335	101	12690	4.96	ppb		96
15) Acetone	2.408	43	8569	5.85	ppb		90
16) 2-Propanol	2.542	45	24795m	87.06	ppb		
17) Iodomethane	2.475	142	7725	2.26	ppb		89
18) Carbon Disulfide	2.524	76	39796	4.80	ppb		99
19) Acetonitrile	2.670	40	5514m	25.05	ppb		
20) Allyl Chloride	2.670	76	8301	5.28	ppb	#	78
21) Methyl Acetate	2.707	43	16544	4.91	ppb		96
22) Methylene Chloride	2.798	84	16582	4.71	ppb		96
23) TBA	2.951	59	41362	86.14	ppb		94
24) Acrylonitrile	3.085	53	46299	25.82	ppb		93
25) Methyl-t-Butyl Ether	3.097	73	54670	5.14	ppb		99
26) trans-1,2-Dichloroethene	3.085	96	14697	4.89	ppb		88
28) 1,1-Diclethane	3.597	63	28340	5.44	ppb		91
29) Vinyl Acetate	3.688	86	3244	4.37	ppb	#	86
30) DIPE	3.707	45	43297	4.86	ppb		94
31) 2-Chloro-1,3-Butadiene	3.707	53	23333	4.90	ppb		93
32) ETBE	4.231	59	45397	5.02	ppb		95
33) 2,2-Dichloropropane	4.426	77	19684	4.87	ppb		97
34) cis-1,2-Dichloroethene	4.450	96	17330	4.96	ppb		96
35) 2-Butanone	4.530	43	11768	5.48	ppb		96
36) Propionitrile	4.646	54	18068	25.17	ppb		97
37) Bromochloromethane	4.847	130	10617	4.98	ppb		93
38) Methacrylonitrile	4.883	67	9386	4.77	ppb		88
39) Tetrahydrofuran	4.969	42	8149	5.48	ppb		73
40) Chloroform	5.030	83	26618	5.00	ppb		93
41) 1,1,1-Trichloroethane	5.304	97	19786	4.78	ppb		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33075.D
Acq On : 21 Jan 2020 2:15 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 22 10:50:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.133	73	46507	4.88	ppb	93
44) Cyclohexane	5.365	41	14731	5.12	ppb	98
46) Carbontetrachloride	5.572	117	13252	4.52	ppb	95
47) 1,1-Dichloropropene	5.578	75	20025	5.16	ppb	95
49) Benzene	5.907	78	67365	5.24	ppb	96
50) 1,2-Dichloroethane	5.968	62	20223	4.88	ppb	97
51) Iso-Butyl Alcohol	5.975	43	14583	77.46	ppb	94
52) n-Heptane	6.346	43	20364	5.06	ppb	91
53) 1-Butanol	6.907	56	19926	175.60	ppb	99
54) Trichloroethene	6.834	130	17553	5.37	ppb	88
55) Methylcyclohexane	7.047	55	20745	4.89	ppb	92
56) 1,2-Diclpropane	7.133	63	16923	5.21	ppb	97
57) Dibromomethane	7.273	93	10010	5.23	ppb	88
58) 1,4-Dioxane	7.340	88	8169	114.52	ppb	100
59) Methyl Methacrylate	7.352	69	14848	4.90	ppb	97
60) Bromodichloromethane	7.493	83	17300	4.90	ppb	98
61) 2-Nitropropane	7.797	41	3448	9.02	ppb	96
62) 2-Chloroethylvinyl Ether	7.901	63	10027	5.08	ppb	93
63) cis-1,3-Dichloropropene	8.029	75	23328	4.88	ppb	96
64) 4-Methyl-2-pentanone	8.242	43	21911	5.29	ppb	97
66) Toluene	8.389	91	73213	5.24	ppb	100
67) trans-1,3-Dichloropropene	8.669	75	20880	4.83	ppb	97
68) Ethyl Methacrylate	8.797	69	24072	4.86	ppb	85
69) 1,1,2-Trichloroethane	8.858	97	16632	5.01	ppb	98
72) Tetrachloroethene	8.968	164	13668	5.23	ppb	87
73) 2-Hexanone	9.151	43	15768	5.15	ppb	93
74) 1,3-Dichloropropane	9.023	76	28414	5.05	ppb	97
75) Dibromochloromethane	9.248	129	10981	4.29	ppb	90
76) N-Butyl Acetate	9.291	43	25712	4.62	ppb	97
77) 1,2-Dibromoethane	9.340	107	16307	5.12	ppb	91
78) Chlorobenzene	9.821	112	47418	5.18	ppb	97
79) 3-CBTF	9.840	180	25034	4.75	ppb	96
80) 4-CBTF	9.888	180	23757	4.89	ppb	95
81) 1,1,1,2-Tetrachloroethane	9.913	131	13040	4.75	ppb	94
82) Ethylbenzene	9.937	106	26622	5.26	ppb	97
83) (m+p)Xylene	10.047	106	63752	10.59	ppb	99
84) o-Xylene	10.407	106	31222	5.16	ppb	87
85) Styrene	10.419	104	54628	5.26	ppb	96
87) Bromoform	10.583	173	6484	4.08	ppb	78
88) 2-CBTF	10.650	180	24613	4.78	ppb	94
89) Isopropylbenzene	10.736	105	81451	5.52	ppb	95
90) Cyclohexanone	10.821	55	84383	106.85	ppb	95
91) trans-1,4-Dichloro-2-B...	11.059	53	4217	4.25	ppb	87
92) 1,1,2,2-Tetrachloroethane	11.010	83	23366	5.30	ppb	98
93) Bromobenzene	10.986	156	20371	5.13	ppb	94
94) 1,2,3-Trichloropropane	11.041	110	8094	5.49	ppb	89
95) n-Propylbenzene	11.089	91	94966	5.43	ppb	99
96) 2-Chlorotoluene	11.150	91	59638	5.53	ppb	94
97) 3-Chlorotoluene	11.211	91	58267	5.17	ppb	95
98) 4-Chlorotoluene	11.248	91	62802	5.31	ppb	99
99) 1,3,5-Trimethylbenzene	11.242	105	67456	5.43	ppb	94
100) tert-Butylbenzene	11.510	119	58866	5.23	ppb	97
101) 1,2,4-Trimethylbenzene	11.547	105	66211	5.09	ppb	95
102) 3,4-DCBTF	11.614	214	20593	4.66	ppb	94
103) sec-Butylbenzene	11.693	105	87377	5.48	ppb	100
104) p-Isopropyltoluene	11.815	119	74292	5.37	ppb	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33075.D
Acq On : 21 Jan 2020 2:15 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 22 10:50:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	40128	5.21	ppb	96
106) 1,4-Dclbenz	11.851	146	41095	5.15	ppb	98
107) 2,4-DCBTF	11.906	214	19293	4.71	ppb	99
108) 2,5-DCBTF	11.943	214	20933	4.62	ppb	94
109) n-Butylbenzene	12.144	91	61959	5.01	ppb	97
110) 1,2-Dclbenz	12.156	146	41214	5.25	ppb	93
111) 1,2-Dibromo-3-chloropr...	12.784	157	4467	4.26	ppb	90
112) Trielution Dichlorotol...	12.888	125	97965	14.46	ppb	97
113) 1,3,5 Trichlorobenzene	12.943	180	30054	4.80	ppb	95
114) Coelution Dichlorotoluene	13.217	125	71941	9.69	ppb	97
115) 1,2,4-Tcbenzene	13.430	180	29563	4.88	ppb	99
116) Hexachlorobt	13.558	225	12108	4.99	ppb	94
117) Naphthalen	13.619	128	88009	5.23	ppb	96
118) 1,2,3-Tclbenzene	13.808	180	29831	5.00	ppb	98
119) 2,4,5-Trichlorotolene	14.388	159	19223	4.53	ppb	94
120) 2,3,6-Trichlorotoluene	14.473	159	20151	5.09	ppb	96

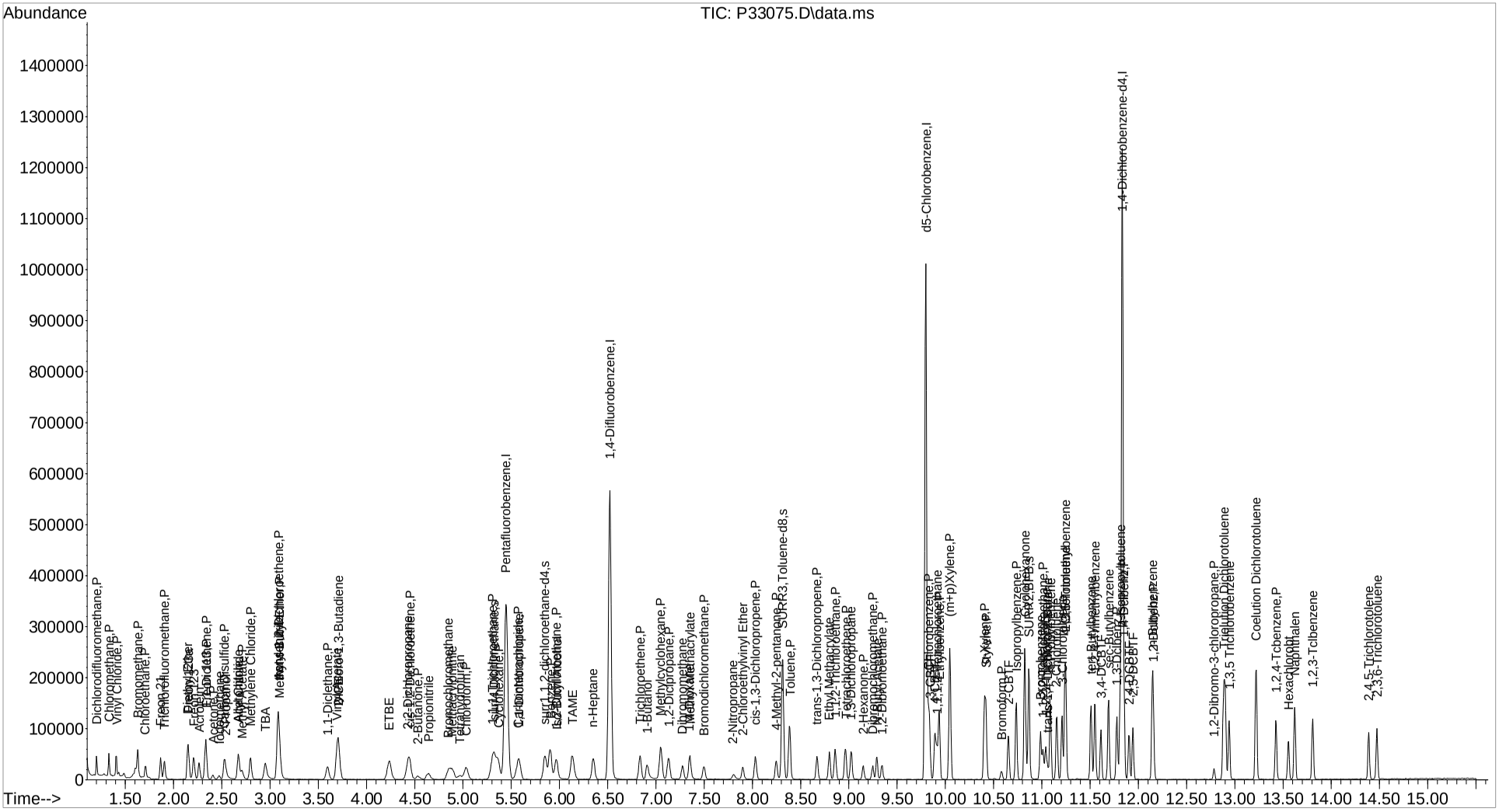
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33075.D
Acq On : 21 Jan 2020 2:15 pm
Operator : K.Ruest
Sample : 5.0ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 6 Sample Multiplier: 1

1st 01/22/20
2nd 01/22/20

Quant Time: Jan 22 10:50:35 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

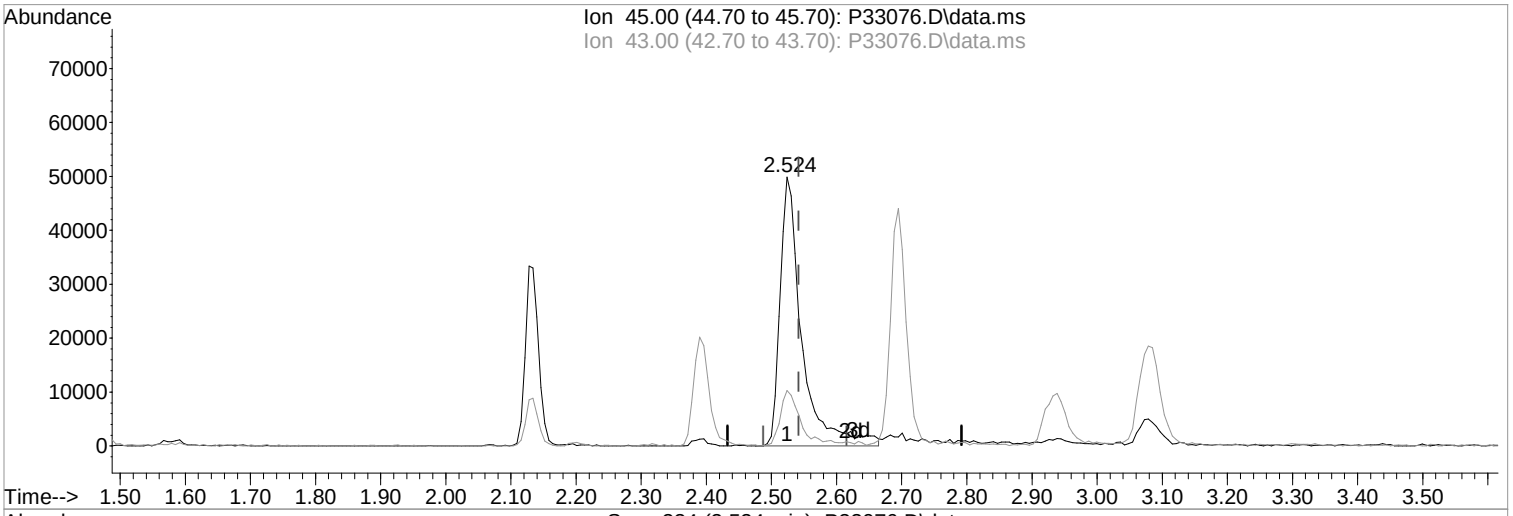


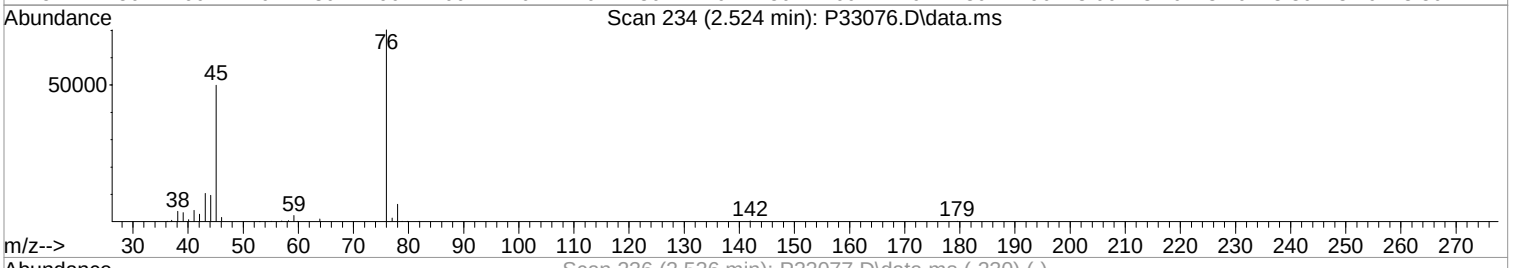
1st 01/22/20
2nd 01/22/20

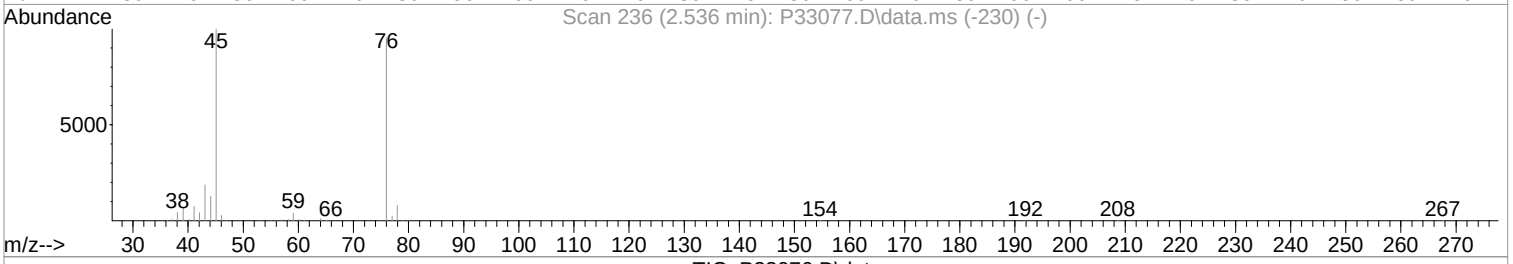
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33076.D
Acq On : 21 Jan 2020 2:37 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 10:51:58 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33076.D\data.ms

(16) 2-Propanol

2.524min (-0.018) 379.50 ppb m

response 115943

Ion	Exp%	Act%
45.00	100	100
43.00	18.70	20.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

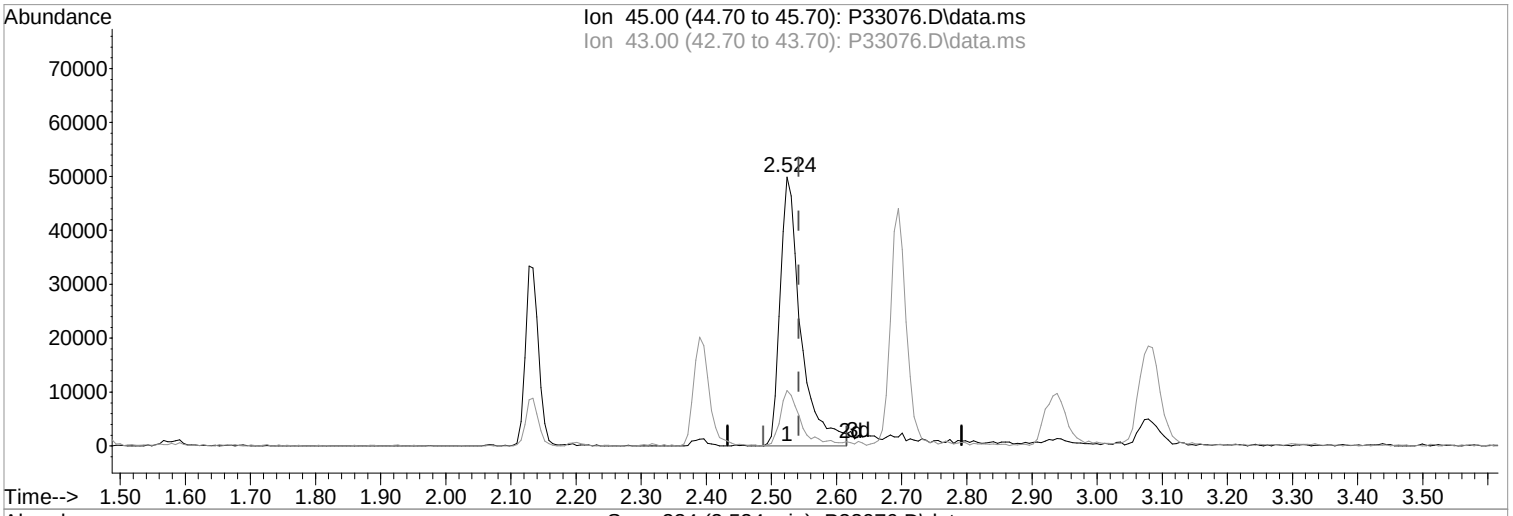
01/22/20

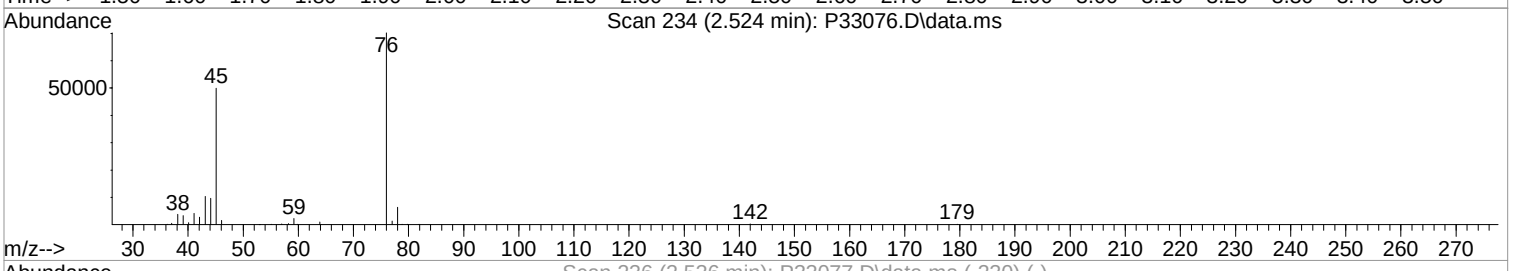
1st 01/22/20
2nd 01/22/20

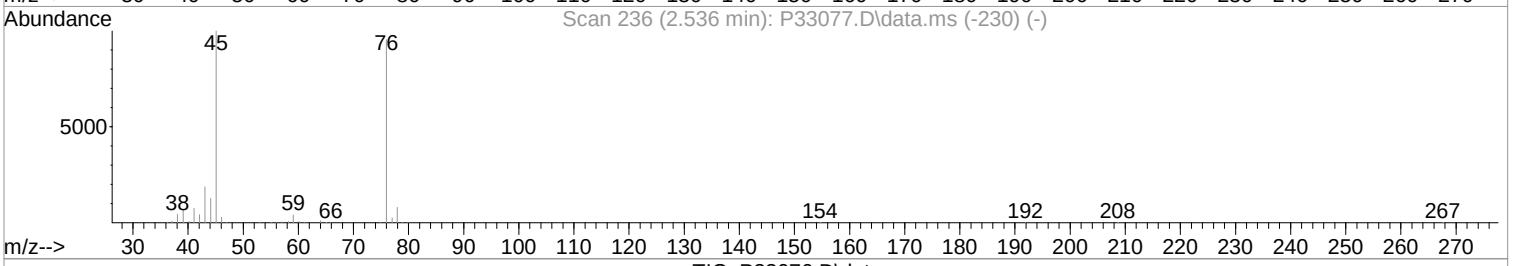
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33076.D
Acq On : 21 Jan 2020 2:37 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 10:51:58 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33076.D\data.ms

(16) 2-Propanol

2.524min (-0.018) 361.90 ppb

response 110564

Ion	Exp%	Act%
45.00	100	100
43.00	18.70	20.66
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

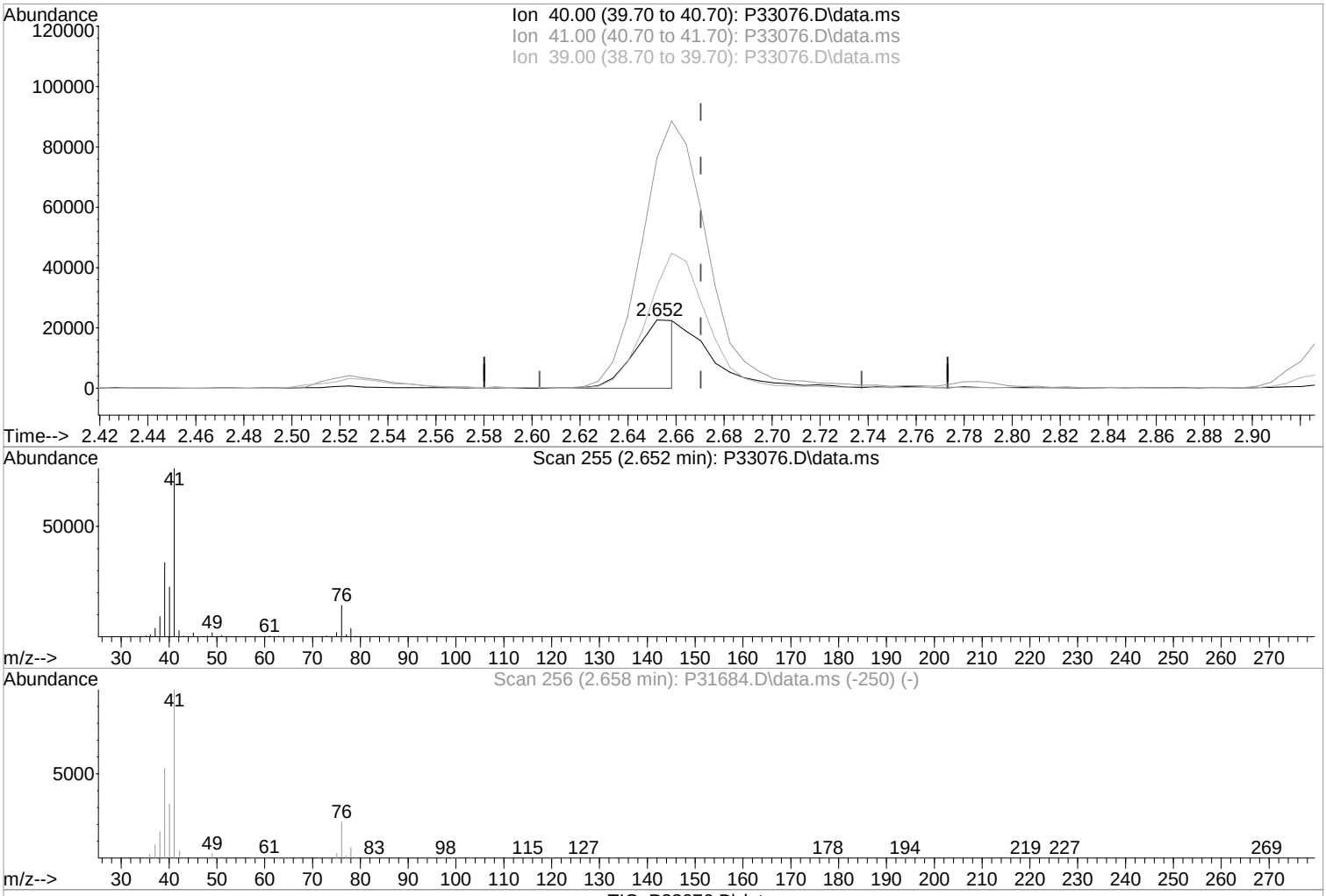
Before

01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33076.D
Acq On : 21 Jan 2020 2:37 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 10:37:44 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33076.D\data.ms

(19) Acetonitrile

2.652min (-0.018) 115.10 ppb m

response 27180

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	337.62
39.00	158.80	149.08
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

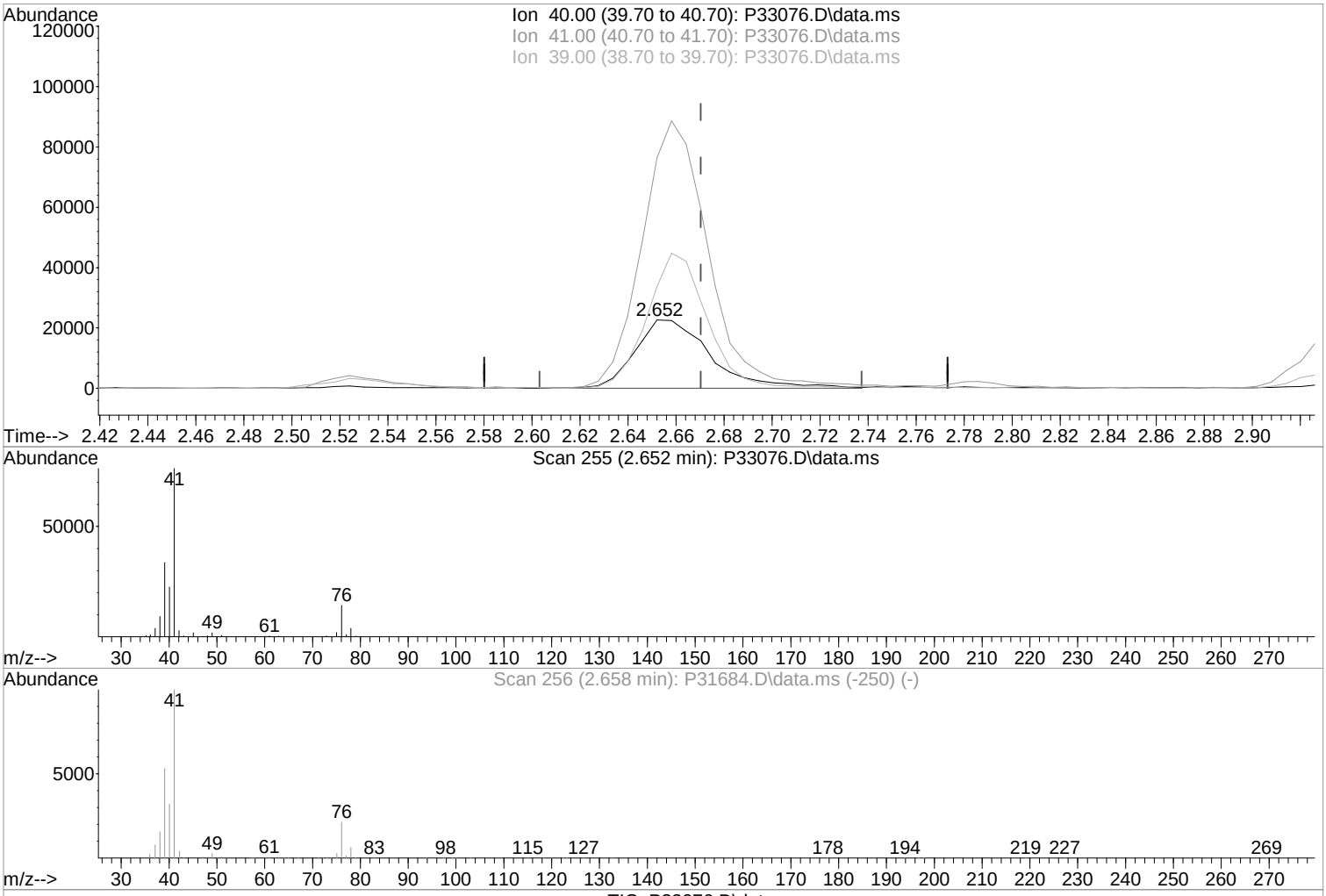
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33076.D
Acq On : 21 Jan 2020 2:37 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 10:37:44 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33076.D\data.ms

(19) Acetonitrile

2.652min (-0.018) 210.53 ppb

response 49715

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	337.62
39.00	158.80	149.08
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33076.D
Acq On : 21 Jan 2020 2:37 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 10:59:21 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.438	168	373406	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	559976	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	495925	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	269610	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	53272	18.01	ppb		-0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 36.02%#				
48) surr1,1,2-dichloroetha...	5.840	65	67533	18.83	ppb		-0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 37.66%#				
65) SURR3,Toluene-d8	8.309	98	254821	18.46	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 36.92%#				
70) SURR2,BFB	10.864	95	98264	18.43	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 36.86%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	93770	22.53	ppb		99
3) Chloromethane	1.317	50	99648	21.87	ppb		97
4) Vinyl Chloride	1.390	62	107673	22.74	ppb		99
5) Bromomethane	1.622	94	67209	18.51	ppb		99
6) Chloroethane	1.701	64	62046	21.05	ppb		99
7) Freon 21	1.853	67	111384	21.08	ppb		99
8) Trichlorofluoromethane	1.896	101	96721	23.01	ppb		99
9) Diethyl Ether	2.134	59	66163	20.19	ppb		94
10) Freon 123a	2.140	67	71496	20.97	ppb		95
11) Freon 123	2.195	83	85424	20.51	ppb		95
12) Acrolein	2.250	56	101559	105.38	ppb		99
13) 1,1-Diclethene	2.323	96	64407	22.10	ppb		99
14) Freon 113	2.323	101	60229	21.97	ppb		92
15) Acetone	2.390	43	34257	21.82	ppb		94
16) 2-Propanol	2.524	45	115943m	379.50	ppb		
17) Iodomethane	2.457	142	72917	19.88	ppb		100
18) Carbon Disulfide	2.512	76	191595	21.53	ppb		99
19) Acetonitrile	2.652	40	27180m	115.10	ppb		
20) Allyl Chloride	2.664	76	34501	20.45	ppb	#	92
21) Methyl Acetate	2.695	43	74657	20.67	ppb		98
22) Methylene Chloride	2.786	84	70957	18.79	ppb		98
23) TBA	2.932	59	195103	378.76	ppb		96
24) Acrylonitrile	3.067	53	197390	102.62	ppb		99
25) Methyl-t-Butyl Ether	3.079	73	234984	20.59	ppb		96
26) trans-1,2-Dichloroethene	3.073	96	69062	21.42	ppb		95
28) 1,1-Diclethane	3.579	63	120751	21.60	ppb		99
29) Vinyl Acetate	3.676	86	15807	19.84	ppb	#	92
30) DIPE	3.688	45	208826	21.84	ppb		99
31) 2-Chloro-1,3-Butadiene	3.694	53	108282	21.19	ppb		96
32) ETBE	4.219	59	201597	20.80	ppb		97
33) 2,2-Dichloropropane	4.414	77	89903	20.75	ppb		96
34) cis-1,2-Dichloroethene	4.432	96	76928	20.52	ppb		99
35) 2-Butanone	4.511	43	45390	19.70	ppb		93
36) Propionitrile	4.615	54	80189	104.15	ppb		98
37) Bromochloromethane	4.841	130	45791	20.02	ppb		96
38) Methacrylonitrile	4.877	67	41858	19.84	ppb		98
39) Tetrahydrofuran	4.944	42	32405	20.31	ppb		87
40) Chloroform	5.017	83	111473	19.50	ppb		96
41) 1,1,1-Trichloroethane	5.292	97	89737	20.23	ppb		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33076.D
Acq On : 21 Jan 2020 2:37 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 10:59:21 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42)	TAME	6.127	73	213520	20.89	ppb	96
44)	Cyclohexane	5.353	41	62771	20.23	ppb	94
46)	Carbontetrachloride	5.548	117	63034	19.95	ppb	99
47)	1,1-Dichloropropene	5.578	75	88768	21.24	ppb	95
49)	Benzene	5.895	78	297838	21.50	ppb	96
50)	1,2-Dichloroethane	5.956	62	90414	20.24	ppb	96
51)	Iso-Butyl Alcohol	5.950	43	70217	346.12	ppb	98
52)	n-Heptane	6.346	43	90753	20.94	ppb	97
53)	1-Butanol	6.895	56	107492	879.09	ppb	95
54)	Trichloroethene	6.828	130	75480	21.43	ppb	96
55)	Methylcyclohexane	7.041	55	91922	20.11	ppb	95
56)	1,2-Diclpropane	7.127	63	72980	20.85	ppb	98
57)	Dibromomethane	7.273	93	43102	20.92	ppb	93
58)	1,4-Dioxane	7.334	88	30390	395.36	ppb	93
59)	Methyl Methacrylate	7.346	69	66607	20.42	ppb	98
60)	Bromodichloromethane	7.493	83	76962	20.25	ppb	98
61)	2-Nitropropane	7.797	41	15391	37.34	ppb	86
62)	2-Chloroethylvinyl Ether	7.895	63	41961	19.73	ppb	98
63)	cis-1,3-Dichloropropene	8.029	75	104437	20.28	ppb	98
64)	4-Methyl-2-pentanone	8.242	43	88811	19.91	ppb	97
66)	Toluene	8.383	91	327071	21.72	ppb	100
67)	trans-1,3-Dichloropropene	8.669	75	95010	20.39	ppb	97
68)	Ethyl Methacrylate	8.797	69	107050	20.05	ppb	96
69)	1,1,2-Trichloroethane	8.858	97	70494	19.71	ppb	99
72)	Tetrachloroethene	8.962	164	60516	21.89	ppb	86
73)	2-Hexanone	9.145	43	67414	20.82	ppb	99
74)	1,3-Dichloropropane	9.023	76	121763	20.44	ppb	100
75)	Dibromochloromethane	9.242	129	52505	19.38	ppb	86
76)	N-Butyl Acetate	9.285	43	116089	19.70	ppb	98
77)	1,2-Dibromoethane	9.340	107	70039	20.78	ppb	97
78)	Chlorobenzene	9.821	112	205251	21.18	ppb	97
79)	3-CBTF	9.834	180	123372	22.11	ppb	98
80)	4-CBTF	9.888	180	106727	20.78	ppb	99
81)	1,1,1,2-Tetrachloroethane	9.913	131	58271	20.07	ppb	99
82)	Ethylbenzene	9.937	106	113127	21.14	ppb	100
83)	(m+p)Xylene	10.047	106	279897	43.93	ppb	99
84)	o-Xylene	10.407	106	140075	21.86	ppb	97
85)	Styrene	10.419	104	237503	21.61	ppb	98
87)	Bromoform	10.583	173	32274	19.13	ppb	100
88)	2-CBTF	10.650	180	116858	21.35	ppb	98
89)	Isopropylbenzene	10.736	105	360154	22.98	ppb	100
90)	Cyclohexanone	10.821	55	360926	430.10	ppb	99
91)	trans-1,4-Dichloro-2-B...	11.059	53	20905	19.84	ppb	90
92)	1,1,2,2-Tetrachloroethane	11.010	83	100897	21.53	ppb	97
93)	Bromobenzene	10.986	156	88397	20.94	ppb	97
94)	1,2,3-Trichloropropane	11.041	110	32513	20.74	ppb	91
95)	n-Propylbenzene	11.089	91	417056	22.43	ppb	99
96)	2-Chlorotoluene	11.156	91	251140	21.90	ppb	97
97)	3-Chlorotoluene	11.211	91	266427	22.25	ppb	97
98)	4-Chlorotoluene	11.248	91	275033	21.88	ppb	98
99)	1,3,5-Trimethylbenzene	11.242	105	296876	22.50	ppb	97
100)	tert-Butylbenzene	11.510	119	258819	21.63	ppb	99
101)	1,2,4-Trimethylbenzene	11.553	105	302519	21.87	ppb	99
102)	3,4-DCBTF	11.614	214	98907	21.08	ppb	98
103)	sec-Butylbenzene	11.693	105	375561	22.17	ppb	99
104)	p-Isopropyltoluene	11.815	119	324543	22.09	ppb	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33076.D
Acq On : 21 Jan 2020 2:37 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 10:59:21 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

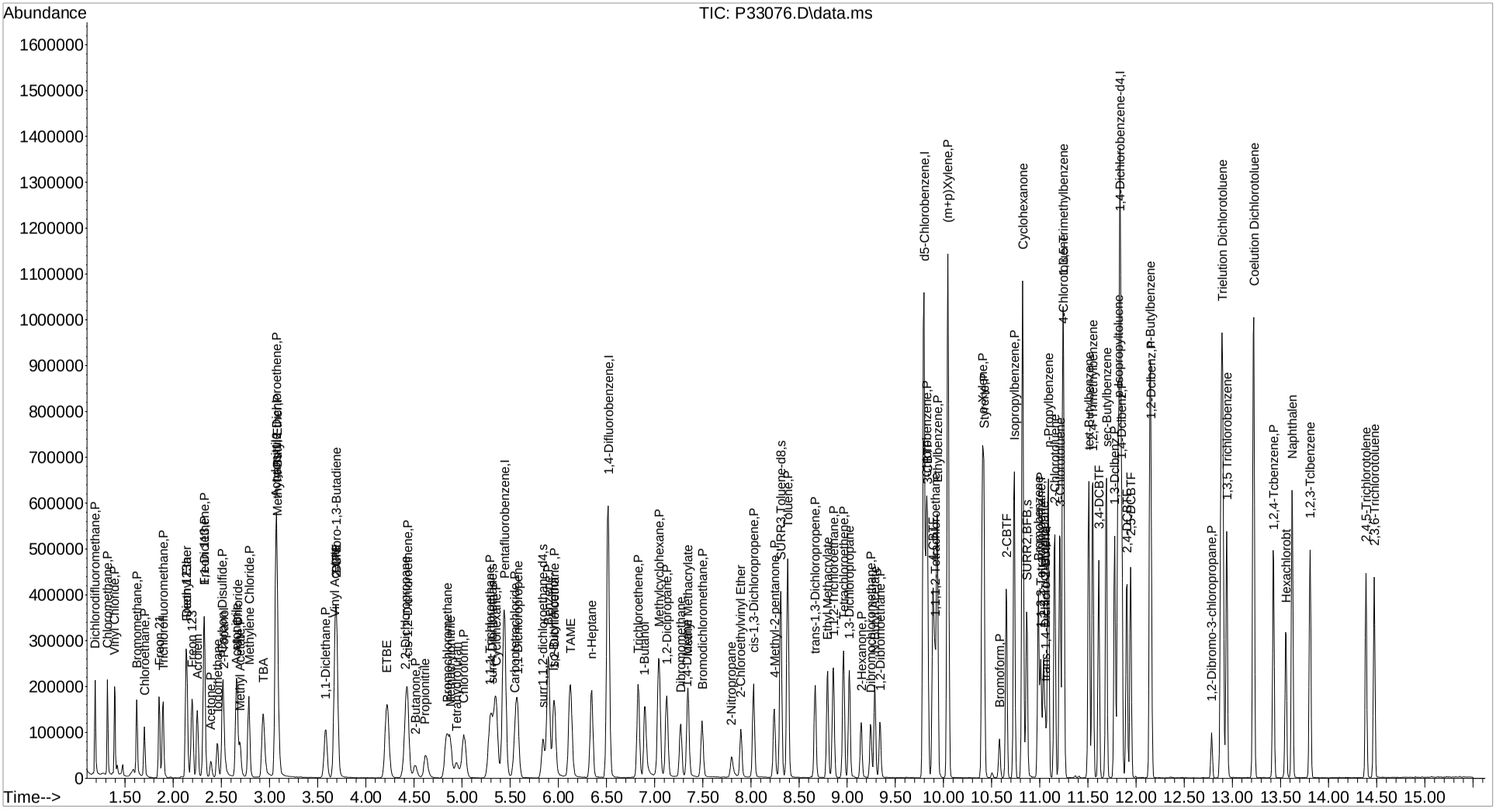
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	172989	21.14	ppb	99
106) 1,4-Dclbenz	11.851	146	173450	20.44	ppb	97
107) 2,4-DCBTF	11.906	214	92460	21.26	ppb	94
108) 2,5-DCBTF	11.943	214	100424	20.88	ppb	97
109) n-Butylbenzene	12.144	91	291231	22.17	ppb	97
110) 1,2-Dclbenz	12.156	146	175294	21.00	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.784	157	20401	18.31	ppb	96
112) Trielution Dichlorotol...	12.894	125	469618	65.23	ppb	98
113) 1,3,5 Trichlorobenzene	12.943	180	138935	20.90	ppb	97
114) Coelution Dichlorotoluene	13.223	125	346822	43.97	ppb	97
115) 1,2,4-Tcbenzene	13.430	180	127954	19.89	ppb	97
116) Hexachlorobt	13.558	225	52520	20.36	ppb	95
117) Naphthalen	13.619	128	389040	21.76	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	128495	20.27	ppb	100
119) 2,4,5-Trichlorotolene	14.388	159	93577	20.77	ppb	99
120) 2,3,6-Trichlorotoluene	14.473	159	83314	19.79	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33076.D
Acq On : 21 Jan 2020 2:37 pm
Operator : K.Ruest
Sample : 20ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 7 Sample Multiplier: 1

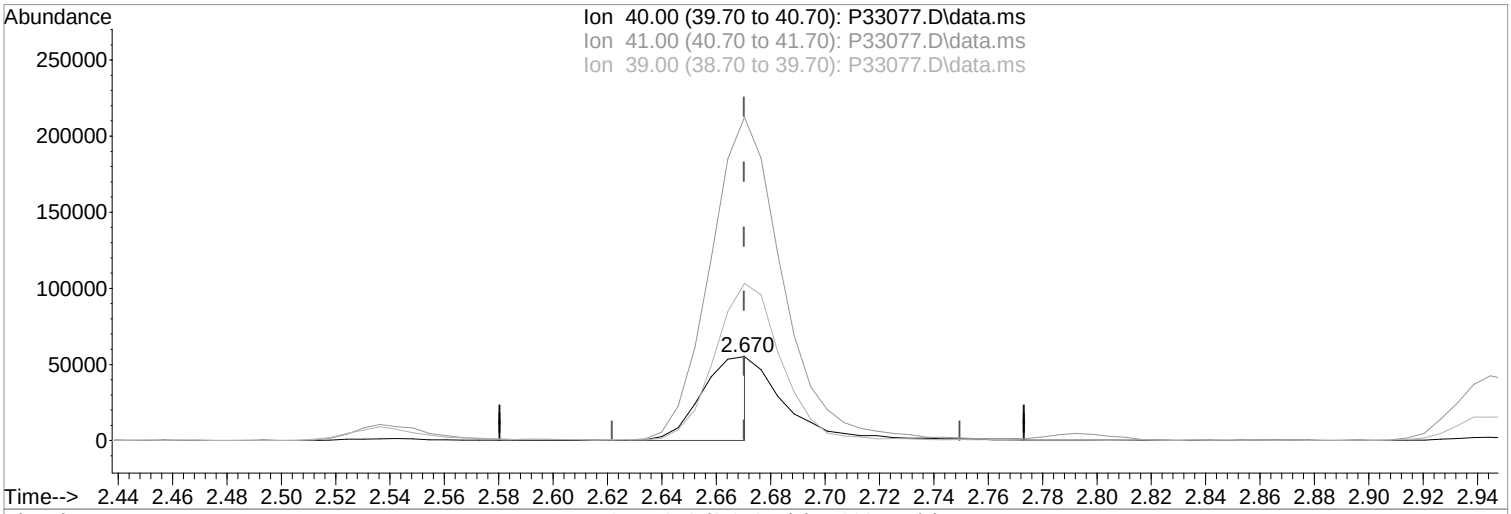
Quant Time: Jan 22 10:59:21 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

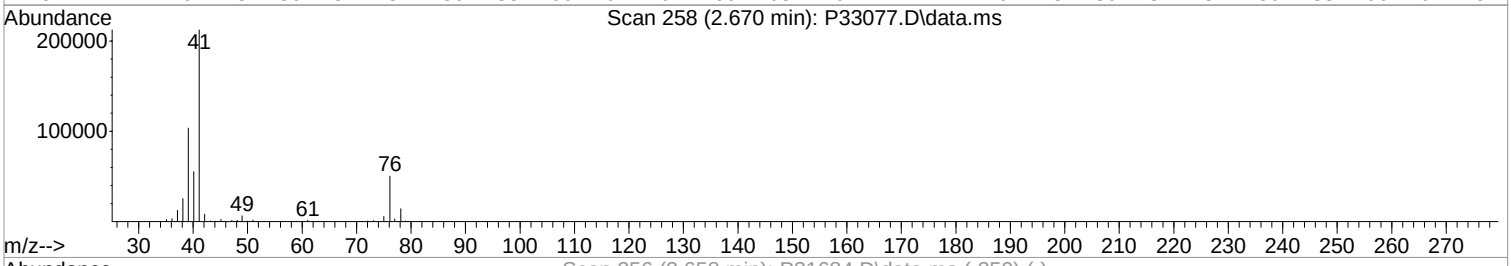


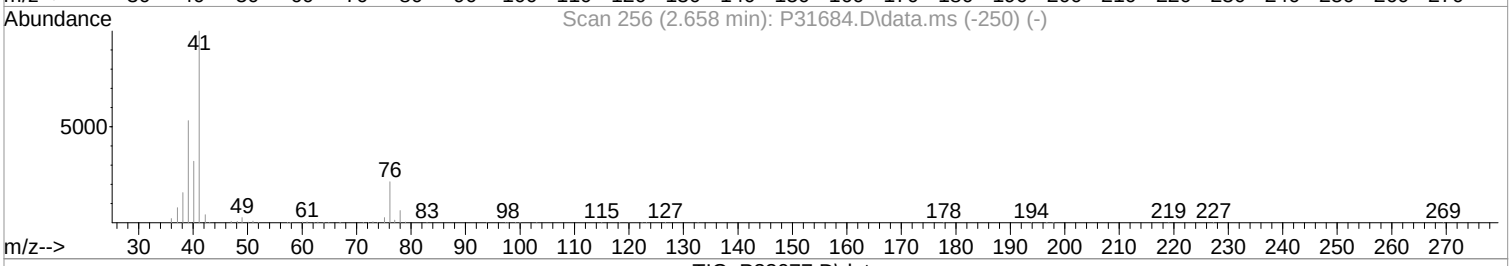
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33077.D
Acq On : 21 Jan 2020 2:58 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 10:37:47 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33077.D\data.ms

(19) Acetonitrile

2.670min (+0.000) 309.52 ppb m

response 68179

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	385.15#
39.00	158.80	187.35#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

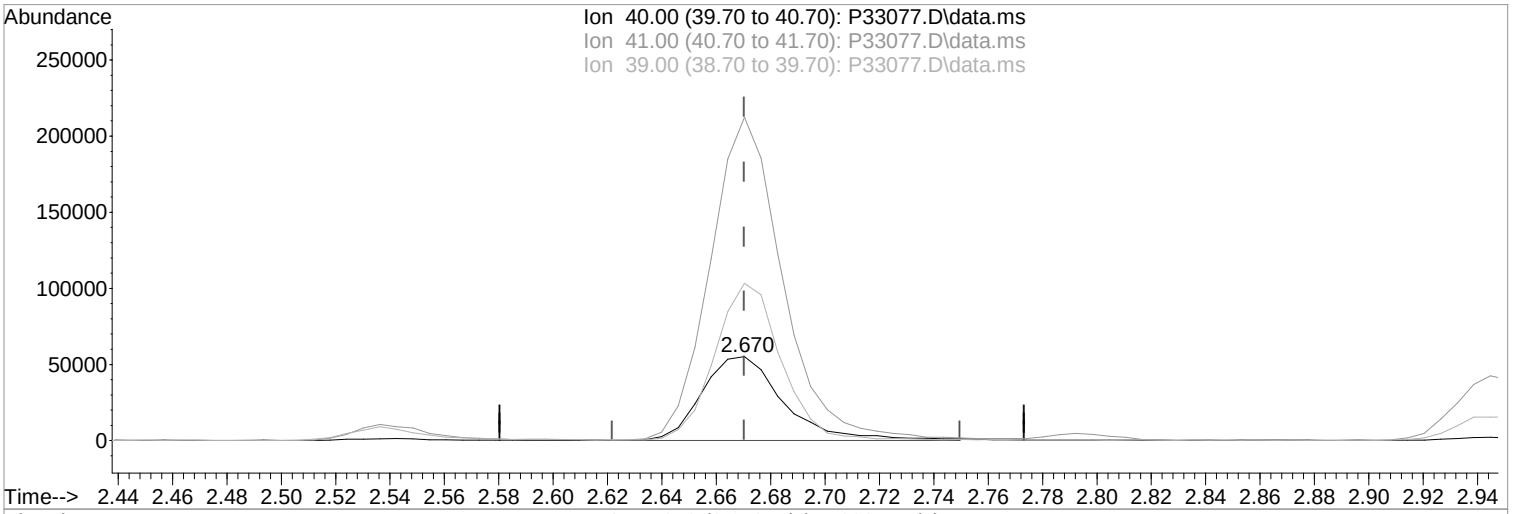
01/22/20

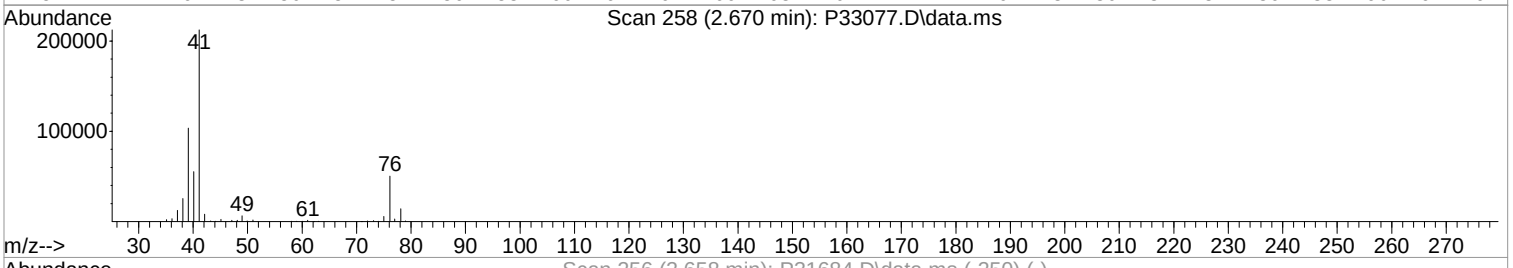
1st 01/22/20
2nd 01/22/20

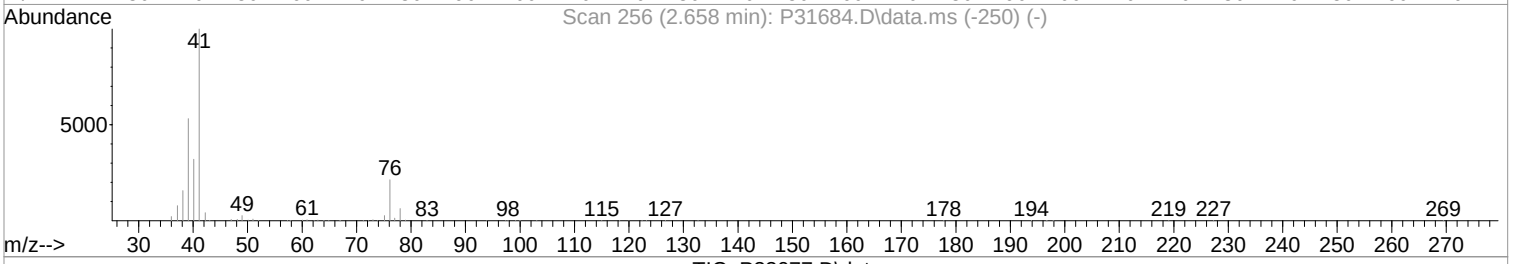
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33077.D
Acq On : 21 Jan 2020 2:58 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 10:37:47 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33077.D\data.ms

(19) Acetonitrile

2.670min (+0.000) 522.27 ppb

response 115042

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	385.15#
39.00	158.80	187.35#
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33077.D
Acq On : 21 Jan 2020 2:58 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 10:53:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	348318	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	522550	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	471155	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	254454	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	141640	51.32	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.64%			
48) surr1,1,2-dichloroetha...	5.847	65	168700	50.40	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.80%			
65) SURR3,Toluene-d8	8.310	98	657131	51.00	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.00%			
70) SURR2,BFB	10.864	95	249148	50.08	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.201	85	224930	57.93	ppb	100
3) Chloromethane	1.329	50	241740	56.88	ppb	100
4) Vinyl Chloride	1.402	62	262304	59.40	ppb	100
5) Bromomethane	1.628	94	144584	42.68	ppb	100
6) Chloroethane	1.707	64	150083	54.58	ppb	100
7) Freon 21	1.866	67	277263	56.26	ppb	100
8) Trichlorofluoromethane	1.902	101	232958	59.42	ppb	100
9) Diethyl Ether	2.146	59	165427	54.10	ppb	100
10) Freon 123a	2.152	67	176625	55.54	ppb	100
11) Freon 123	2.207	83	213350	54.91	ppb	100
12) Acrolein	2.262	56	231959	258.03	ppb	100
13) 1,1-Diclethene	2.335	96	155429	57.18	ppb	100
14) Freon 113	2.335	101	150148	58.71	ppb	100
15) Acetone	2.402	43	72350	49.40	ppb	100
16) 2-Propanol	2.536	45	302432	1061.22	ppb	100
17) Iodomethane	2.469	142	228651	66.84	ppb	100
18) Carbon Disulfide	2.524	76	450700	54.29	ppb	100
19) Acetonitrile	2.670	40	68179m	309.52	ppb	
20) Allyl Chloride	2.670	76	79615	50.58	ppb	100
21) Methyl Acetate	2.707	43	174157	51.68	ppb	100
22) Methylene Chloride	2.798	84	172387	48.93	ppb	100
23) TBA	2.945	59	501010	1042.67	ppb	100
24) Acrylonitrile	3.079	53	469278	261.55	ppb	100
25) Methyl-t-Butyl Ether	3.091	73	569364	53.49	ppb	100
26) trans-1,2-Dichloroethene	3.085	96	169015	56.20	ppb	100
28) 1,1-Diclethane	3.597	63	291883	55.97	ppb	100
29) Vinyl Acetate	3.688	86	38388	51.66	ppb	100
30) DIPE	3.701	45	497873	55.82	ppb	100
31) 2-Chloro-1,3-Butadiene	3.707	53	258032	54.14	ppb	100
32) ETBE	4.231	59	488158	53.99	ppb	100
33) 2,2-Dichloropropane	4.426	77	228852	56.62	ppb	100
34) cis-1,2-Dichloroethene	4.444	96	187001	53.46	ppb	100
35) 2-Butanone	4.524	43	106491	49.54	ppb	100
36) Propionitrile	4.633	54	196100	273.04	ppb	100
37) Bromochloromethane	4.853	130	110809	51.93	ppb	100
38) Methacrylonitrile	4.889	67	101616	51.63	ppb	100
39) Tetrahydrofuran	4.950	42	75694	50.86	ppb	100
40) Chloroform	5.036	83	270703	50.77	ppb	100
41) 1,1,1-Trichloroethane	5.298	97	231574	55.96	ppb	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33077.D
Acq On : 21 Jan 2020 2:58 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 10:53:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.133	73	517306	54.26	ppb	100
44) Cyclohexane	5.359	41	154972	53.52	ppb	100
46) Carbontetrachloride	5.560	117	165293	56.07	ppb	100
47) 1,1-Dichloropropene	5.584	75	223956	57.43	ppb	100
49) Benzene	5.901	78	725905	56.15	ppb	100
50) 1,2-Dichloroethane	5.968	62	213658	51.25	ppb	100
51) Iso-Butyl Alcohol	5.962	43	198133	1046.61	ppb	100
52) n-Heptane	6.353	43	229622	56.77	ppb	100
53) 1-Butanol	6.901	56	312068	2734.94	ppb	100
54) Trichloroethene	6.834	130	178618	54.33	ppb	100
55) Methylcyclohexane	7.054	55	230931	54.14	ppb	100
56) 1,2-Diclpropane	7.133	63	177002	54.19	ppb	100
57) Dibromomethane	7.273	93	101661	52.87	ppb	100
58) 1,4-Dioxane	7.340	88	73875	1029.91	ppb	100
59) Methyl Methacrylate	7.346	69	160023	52.56	ppb	100
60) Bromodichloromethane	7.499	83	190915	53.82	ppb	100
61) 2-Nitropropane	7.804	41	37635	97.86	ppb	100
62) 2-Chloroethylvinyl Ether	7.901	63	103331	52.08	ppb	100
63) cis-1,3-Dichloropropene	8.029	75	273335	56.89	ppb	100
64) 4-Methyl-2-pentanone	8.242	43	217506	52.24	ppb	100
66) Toluene	8.383	91	778915	55.42	ppb	100
67) trans-1,3-Dichloropropene	8.669	75	243320	55.97	ppb	100
68) Ethyl Methacrylate	8.797	69	278996	55.99	ppb	100
69) 1,1,2-Trichloroethane	8.858	97	170529	51.09	ppb	100
72) Tetrachloroethene	8.962	164	144150	54.88	ppb	100
73) 2-Hexanone	9.145	43	156111	50.75	ppb	100
74) 1,3-Dichloropropane	9.023	76	298560	52.76	ppb	100
75) Dibromochloromethane	9.242	129	142860	55.49	ppb	100
76) N-Butyl Acetate	9.285	43	305201	54.52	ppb	100
77) 1,2-Dibromoethane	9.340	107	171139	53.45	ppb	100
78) Chlorobenzene	9.821	112	502925	54.63	ppb	100
79) 3-CBTF	9.840	180	296746	55.98	ppb	100
80) 4-CBTF	9.895	180	266639	54.65	ppb	100
81) 1,1,1,2-Tetrachloroethane	9.913	131	154449	55.99	ppb	100
82) Ethylbenzene	9.937	106	276808	54.44	ppb	100
83) (m+p)Xylene	10.047	106	694681	114.76	ppb	100
84) o-Xylene	10.407	106	340493	55.93	ppb	100
85) Styrene	10.419	104	601990	57.66	ppb	100
87) Bromoform	10.583	173	87433	54.91	ppb	100
88) 2-CBTF	10.657	180	286483	55.45	ppb	100
89) Isopropylbenzene	10.736	105	892150	60.32	ppb	100
90) Cyclohexanone	10.821	55	884478	1116.77	ppb	100
91) trans-1,4-Dichloro-2-B...	11.059	53	58891	59.22	ppb	100
92) 1,1,2,2-Tetrachloroethane	11.010	83	245526	55.52	ppb	100
93) Bromobenzene	10.986	156	218635	54.87	ppb	100
94) 1,2,3-Trichloropropane	11.041	110	82163	55.54	ppb	100
95) n-Propylbenzene	11.089	91	1038195	59.17	ppb	100
96) 2-Chlorotoluene	11.157	91	621951	57.48	ppb	100
97) 3-Chlorotoluene	11.211	91	647048	57.27	ppb	100
98) 4-Chlorotoluene	11.248	91	680156	57.33	ppb	100
99) 1,3,5-Trimethylbenzene	11.242	105	739786	59.41	ppb	100
100) tert-Butylbenzene	11.510	119	641905	56.83	ppb	100
101) 1,2,4-Trimethylbenzene	11.553	105	749557	57.42	ppb	100
102) 3,4-DCBTF	11.614	214	243268	54.95	ppb	100
103) sec-Butylbenzene	11.693	105	945900	59.17	ppb	100
104) p-Isopropyltoluene	11.815	119	820351	59.17	ppb	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33077.D
Acq On : 21 Jan 2020 2:58 pm
Operator : K.Ruest
Sample : 50ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 10:53:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

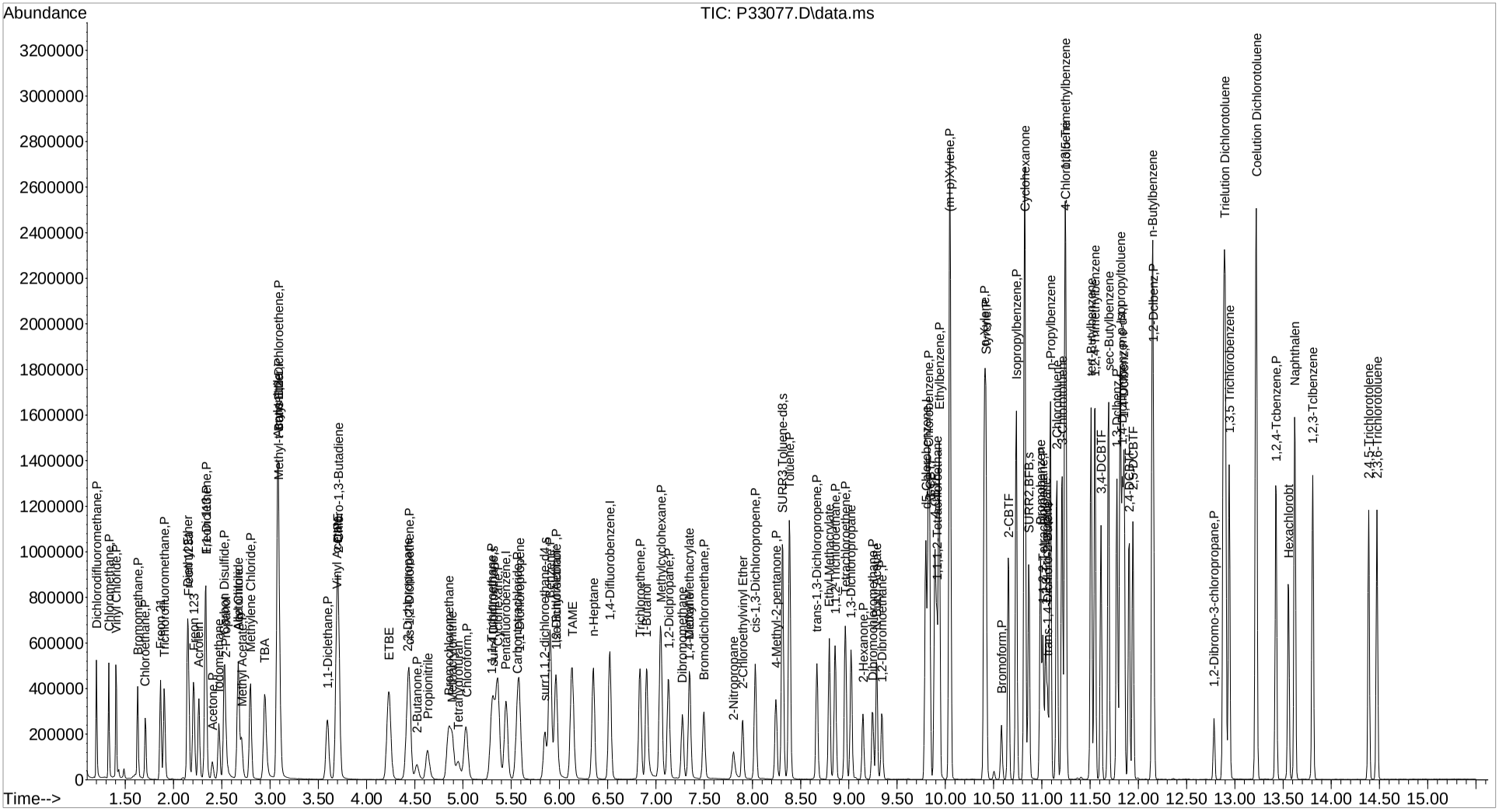
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	434453	56.24	ppb	100
106) 1,4-Dclbenz	11.852	146	438084	54.71	ppb	100
107) 2,4-DCBTF	11.906	214	227675	55.47	ppb	100
108) 2,5-DCBTF	11.943	214	249344	54.92	ppb	100
109) n-Butylbenzene	12.144	91	734877	59.28	ppb	100
110) 1,2-Dclbenz	12.156	146	432279	54.87	ppb	100
111) 1,2-Dibromo-3-chloropr...	12.784	157	58551	55.67	ppb	100
112) Trielution Dichlorotol...	12.894	125	1188230	174.89	ppb	100
113) 1,3,5 Trichlorobenzene	12.943	180	349044	55.64	ppb	100
114) Coelution Dichlorotoluene	13.223	125	871815	117.10	ppb	100
115) 1,2,4-Tcbenzene	13.430	180	328467	54.10	ppb	100
116) Hexachlorobt	13.558	225	141855	58.27	ppb	100
117) Naphthalen	13.619	128	1014746	60.13	ppb	100
118) 1,2,3-Tclbenzene	13.808	180	333408	55.72	ppb	100
119) 2,4,5-Trichlorotolene	14.388	159	248281	58.38	ppb	100
120) 2,3,6-Trichlorotoluene	14.473	159	227659	57.30	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33077.D
Acq On : 21 Jan 2020 2:58 pm
Operator : K.Ruest
ample : 50ppb Inst : MSVOA-12
isc : WATER ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 10:53:41 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

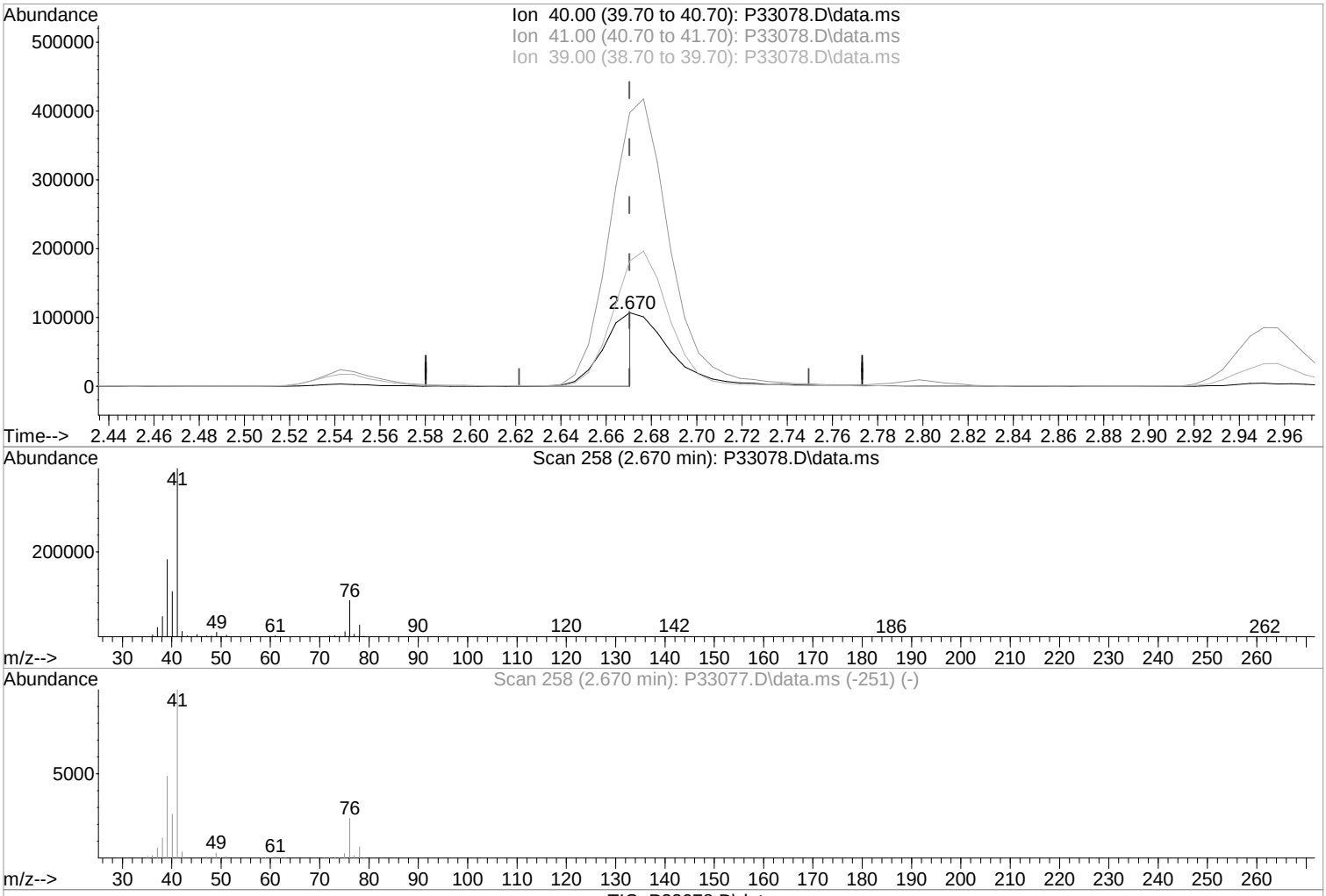


1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33078.D
Acq On : 21 Jan 2020 3:20 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 22 10:37:50 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33078.D\data.ms

(19) Acetonitrile

2.670min (+0.000) 473.13 ppb m

response 103791

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	372.03#
39.00	158.80	170.50
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

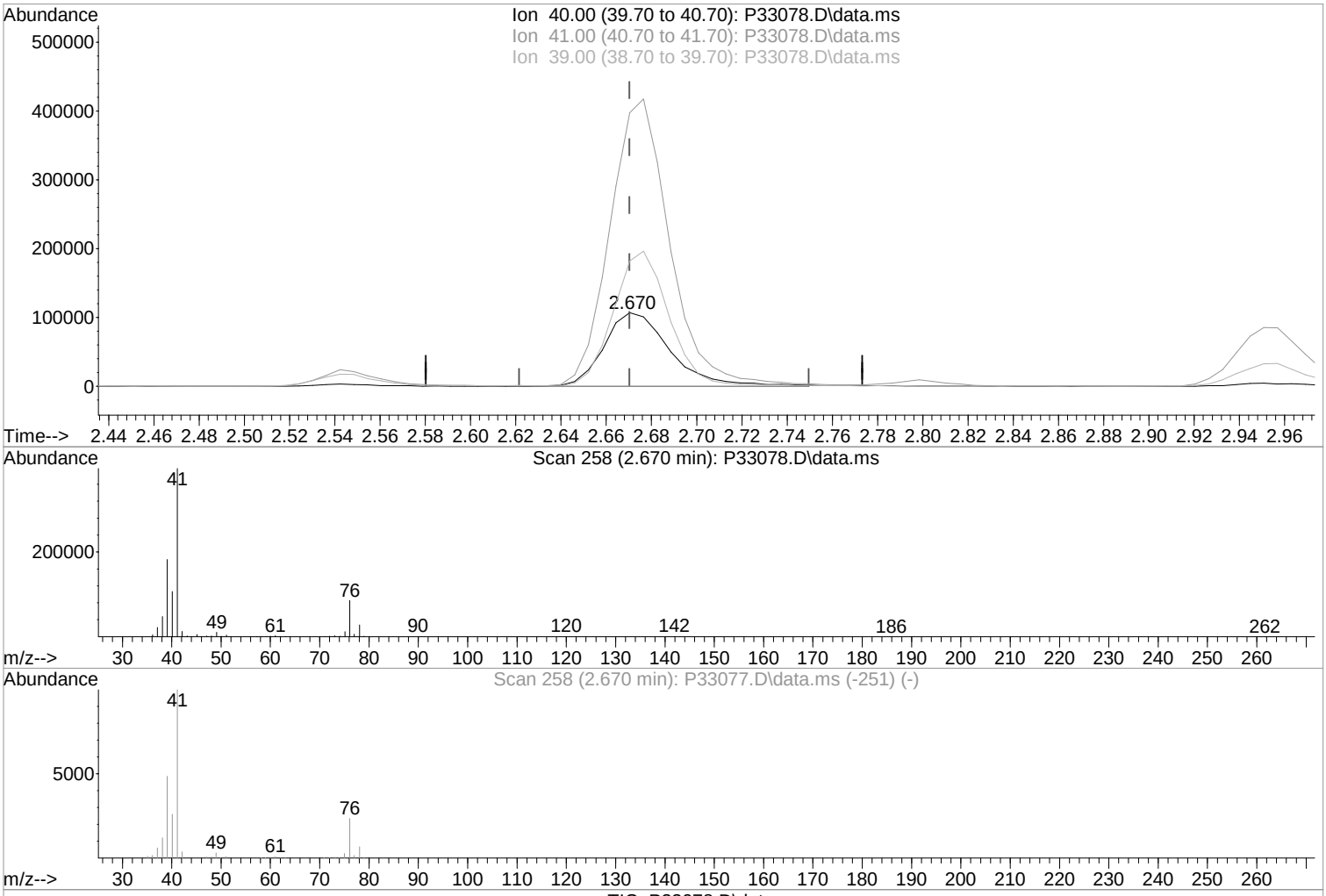
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33078.D
Acq On : 21 Jan 2020 3:20 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 22 10:37:50 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33078.D\data.ms

(19) Acetonitrile

2.670min (+0.000) 985.92 ppb

response 216282

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	372.03#
39.00	158.80	170.50
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33078.D
Acq On : 21 Jan 2020 3:20 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 22 10:55:09 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	346889	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	531550	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	480127	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	275344	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	274783	97.87	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 195.74%#				
48) surr1,1,2-dichloroetha...	5.853	65	327422	96.16	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 192.32%#				
65) SURR3,Toluene-d8	8.316	98	1250310	95.40	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 190.80%#				
70) SURR2,BFB	10.864	95	489166	96.66	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 193.32%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.207	85	408316	105.60	ppb		97
3) Chloromethane	1.329	50	440302	104.02	ppb		100
4) Vinyl Chloride	1.408	62	473475	107.66	ppb		98
5) Bromomethane	1.634	94	256121	75.92	ppb		96
6) Chloroethane	1.707	64	271556	99.16	ppb		98
7) Freon 21	1.866	67	518158	105.57	ppb		96
8) Trichlorofluoromethane	1.902	101	414456	106.15	ppb		99
9) Diethyl Ether	2.146	59	305230	100.24	ppb		96
10) Freon 123a	2.158	67	329169	103.94	ppb		97
11) Freon 123	2.213	83	400310	103.46	ppb		97
12) Acrolein	2.268	56	451973	504.84	ppb		91
13) 1,1-Diclethene	2.335	96	283812	104.84	ppb		98
14) Freon 113	2.335	101	271056	106.42	ppb		100
15) Acetone	2.408	43	133593	91.59	ppb		99
16) 2-Propanol	2.542	45	614574	2165.39	ppb		99
17) Iodomethane	2.475	142	457291	134.23	ppb		99
18) Carbon Disulfide	2.524	76	860995	104.15	ppb		97
19) Acetonitrile	2.670	40	103791m	473.13	ppb		
20) Allyl Chloride	2.676	76	156252	99.68	ppb		95
21) Methyl Acetate	2.707	43	329863	98.30	ppb		97
22) Methylene Chloride	2.798	84	320737	91.42	ppb		96
23) TBA	2.951	59	995387	2080.07	ppb		100
24) Acrylonitrile	3.085	53	879056	491.95	ppb		97
25) Methyl-t-Butyl Ether	3.097	73	1052541	99.30	ppb		99
26) trans-1,2-Dichloroethene	3.085	96	305037	101.85	ppb		97
28) 1,1-Diclethane	3.597	63	539856	103.95	ppb		99
29) Vinyl Acetate	3.695	86	77730	105.03	ppb	#	94
30) DIPE	3.701	45	937001	105.49	ppb		85
31) 2-Chloro-1,3-Butadiene	3.713	53	490384	103.31	ppb		98
32) ETBE	4.231	59	934681	103.80	ppb		98
33) 2,2-Dichloropropane	4.432	77	435660	108.23	ppb		95
34) cis-1,2-Dichloroethene	4.450	96	346273	99.41	ppb		95
35) 2-Butanone	4.524	43	207295	96.83	ppb		98
36) Propionitrile	4.639	54	363737	508.54	ppb		97
37) Bromochloromethane	4.859	130	207541	97.67	ppb		97
38) Methacrylonitrile	4.889	67	191185	97.53	ppb		97
39) Tetrahydrofuran	4.950	42	137493	92.77	ppb		92
40) Chloroform	5.036	83	502764	94.68	ppb		99
41) 1,1,1-Trichloroethane	5.304	97	423556	102.77	ppb		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33078.D
Acq On : 21 Jan 2020 3:20 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 22 10:55:09 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.133	73	980936	103.32	ppb		99
44) Cyclohexane	5.359	41	290655	98.67	ppb		100
46) Carbontetrachloride	5.566	117	320790	106.98	ppb		99
47) 1,1-Dichloropropene	5.584	75	410190	103.41	ppb		93
49) Benzene	5.908	78	1318591	100.27	ppb		99
50) 1,2-Dichloroethane	5.968	62	406998	95.98	ppb		99
51) Iso-Butyl Alcohol	5.968	43	423683	2200.15	ppb		93
52) n-Heptane	6.353	43	423427	102.92	ppb		96
53) 1-Butanol	6.907	56	701203	6041.23	ppb		100
54) Trichloroethene	6.834	130	334697	100.09	ppb		98
55) Methylcyclohexane	7.054	55	438808	101.14	ppb		97
56) 1,2-Diclpropane	7.133	63	328179	98.77	ppb		98
57) Dibromomethane	7.273	93	194663	99.52	ppb		98
58) 1,4-Dioxane	7.340	88	142904	1958.54	ppb		94
59) Methyl Methacrylate	7.352	69	313362	101.19	ppb		98
60) Bromodichloromethane	7.499	83	370712	102.73	ppb		98
61) 2-Nitropropane	7.803	41	81778	209.04	ppb		99
62) 2-Chloroethylvinyl Ether	7.901	63	208035	103.07	ppb		99
63) cis-1,3-Dichloropropene	8.029	75	522415	106.88	ppb		98
64) 4-Methyl-2-pentanone	8.242	43	406726	96.03	ppb		98
66) Toluene	8.389	91	1443206	100.95	ppb		97
67) trans-1,3-Dichloropropene	8.669	75	477452	107.96	ppb		99
68) Ethyl Methacrylate	8.797	69	545557	107.62	ppb		99
69) 1,1,2-Trichloroethane	8.858	97	319819	94.19	ppb		99
72) Tetrachloroethene	8.962	164	273056	102.01	ppb		96
73) 2-Hexanone	9.145	43	308063	98.28	ppb		96
74) 1,3-Dichloropropane	9.023	76	554463	96.15	ppb		99
75) Dibromochloromethane	9.248	129	286679	109.28	ppb		88
76) N-Butyl Acetate	9.291	43	598031	104.83	ppb		97
77) 1,2-Dibromoethane	9.346	107	322599	98.88	ppb		98
78) Chlorobenzene	9.821	112	927429	98.86	ppb		99
79) 3-CBTF	9.840	180	550057	101.82	ppb		98
80) 4-CBTF	9.895	180	503194	101.20	ppb		99
81) 1,1,1,2-Tetrachloroethane	9.913	131	302284	107.54	ppb		94
82) Ethylbenzene	9.937	106	518286	100.02	ppb		93
83) (m+p)Xylene	10.047	106	1287913	208.78	ppb	#	87
84) o-Xylene	10.407	106	634118	102.22	ppb		97
85) Styrene	10.419	104	1107475	104.09	ppb		97
87) Bromoform	10.583	173	192469	111.71	ppb		99
88) 2-CBTF	10.657	180	547244	97.89	ppb		99
89) Isopropylbenzene	10.736	105	1628349	101.74	ppb		95
90) Cyclohexanone	10.821	55	1713081	1998.89	ppb		98
91) trans-1,4-Dichloro-2-B...	11.059	53	116760	108.51	ppb		96
92) 1,1,2,2-Tetrachloroethane	11.010	83	480598	100.42	ppb		96
93) Bromobenzene	10.986	156	416002	96.48	ppb		99
94) 1,2,3-Trichloropropane	11.041	110	153455	95.85	ppb		91
95) n-Propylbenzene	11.089	91	1857452	97.82	ppb		96
96) 2-Chlorotoluene	11.157	91	1149832	98.20	ppb		97
97) 3-Chlorotoluene	11.211	91	1227356	100.38	ppb		99
98) 4-Chlorotoluene	11.248	91	1279197	99.65	ppb		96
99) 1,3,5-Trimethylbenzene	11.242	105	1376286	102.13	ppb		99
100) tert-Butylbenzene	11.510	119	1207827	98.82	ppb		99
101) 1,2,4-Trimethylbenzene	11.553	105	1401091	99.19	ppb		97
102) 3,4-DCBTF	11.614	214	481889	100.59	ppb		99
103) sec-Butylbenzene	11.693	105	1733195	100.20	ppb		97
104) p-Isopropyltoluene	11.815	119	1527766	101.83	ppb		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33078.D
Acq On : 21 Jan 2020 3:20 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 22 10:55:09 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

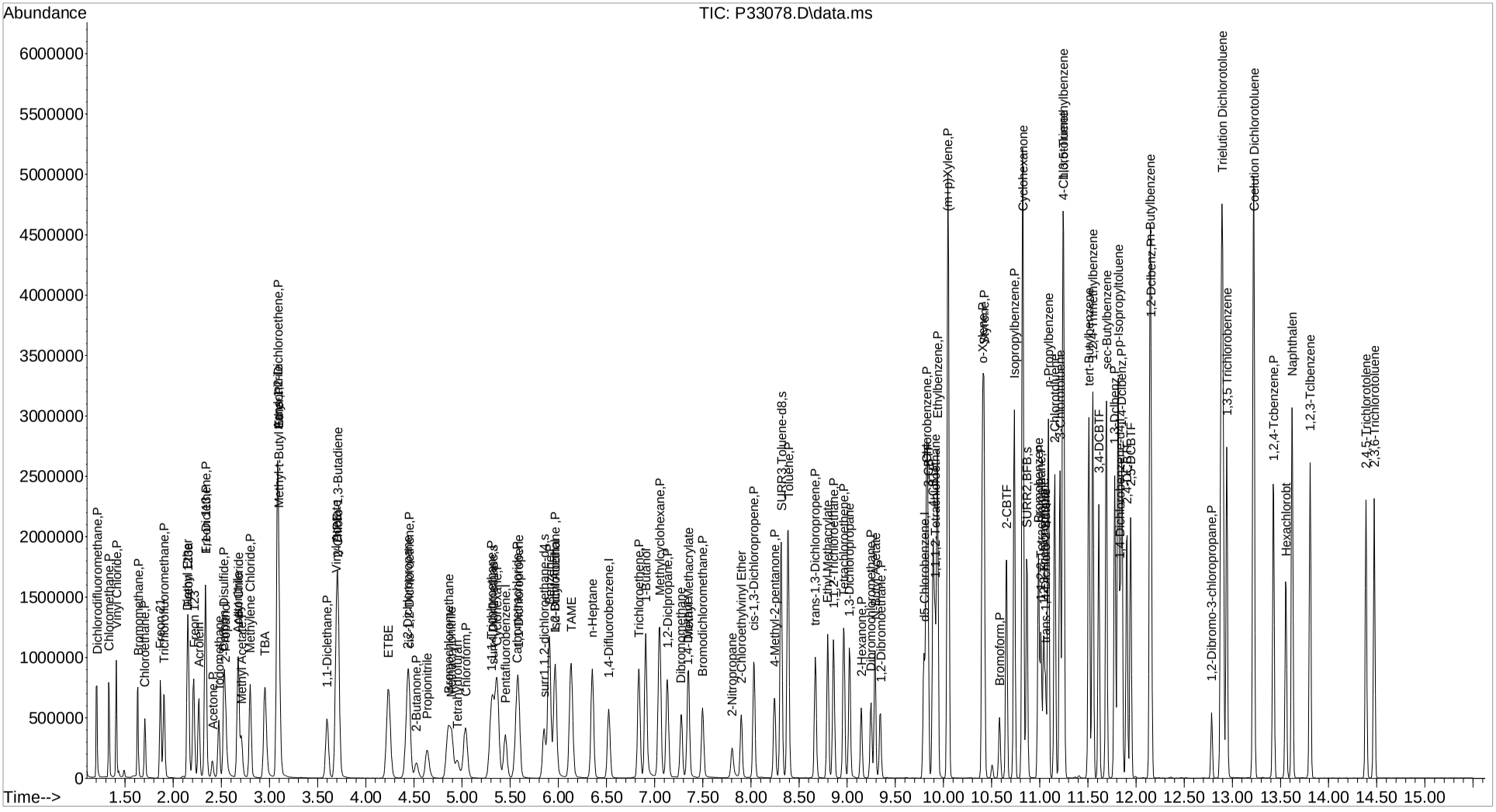
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	824796	98.68	ppb	99
106) 1,4-Dclbenz	11.852	146	838507	96.77	ppb	99
107) 2,4-DCBTF	11.906	214	433966	97.71	ppb	99
108) 2,5-DCBTF	11.943	214	495676	100.90	ppb	99
109) n-Butylbenzene	12.144	91	1403102	104.60	ppb	99
110) 1,2-Dclbenz	12.156	146	834969	97.94	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	123402	108.44	ppb	98
112) Trielution Dichlorotol...	12.894	125	2301456	313.04	ppb	99
113) 1,3,5 Trichlorobenzene	12.943	180	683387	100.66	ppb	99
114) Coelution Dichlorotoluene	13.223	125	1690604	209.85	ppb	98
115) 1,2,4-Tcbenzene	13.430	180	648960	98.77	ppb	99
116) Hexachlorobt	13.558	225	275062	104.42	ppb	99
117) Naphthalen	13.619	128	1893165	103.67	ppb	98
118) 1,2,3-Tclbenzene	13.808	180	645028	99.63	ppb	100
119) 2,4,5-Trichlorotolene	14.388	159	485426	105.48	ppb	97
120) 2,3,6-Trichlorotoluene	14.473	159	439085	102.14	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33078.D
Acq On : 21 Jan 2020 3:20 pm
Operator : K.Ruest
Sample : 100ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 22 10:55:09 2020
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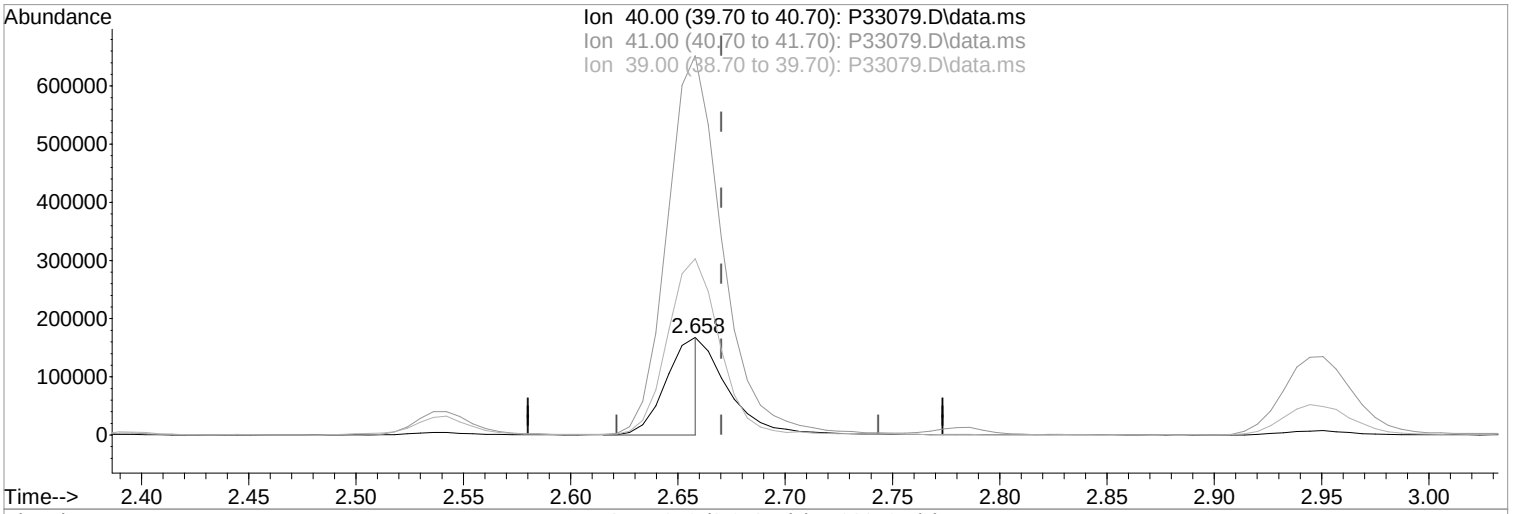


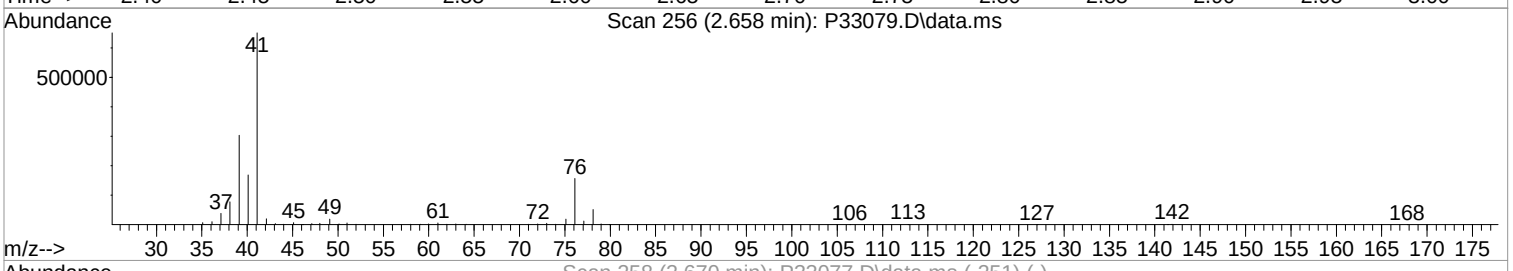
1st 01/22/20
2nd 01/22/20

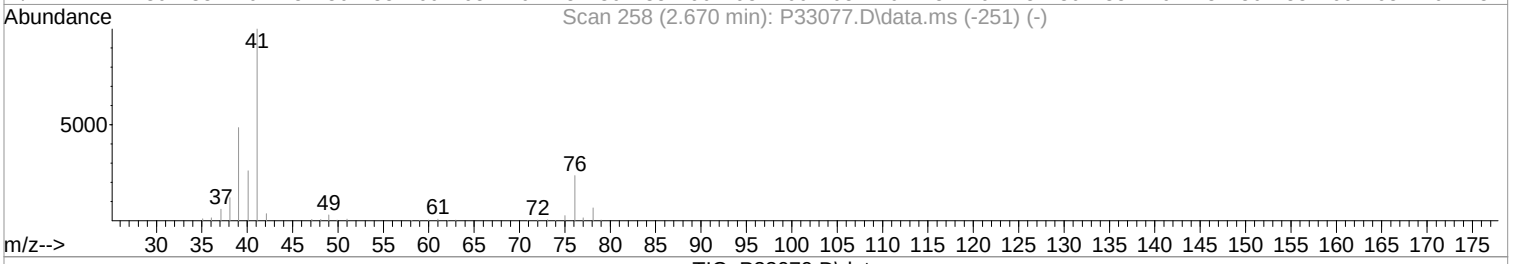
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33079.D
Acq On : 21 Jan 2020 3:42 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 22 10:37:53 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33079.D\data.ms

(19) Acetonitrile

2.658min (-0.012) 817.40 ppb m

response 182851

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	388.26#
39.00	158.80	180.53#
0.00	0.00	0.00

Manual Integration:

After

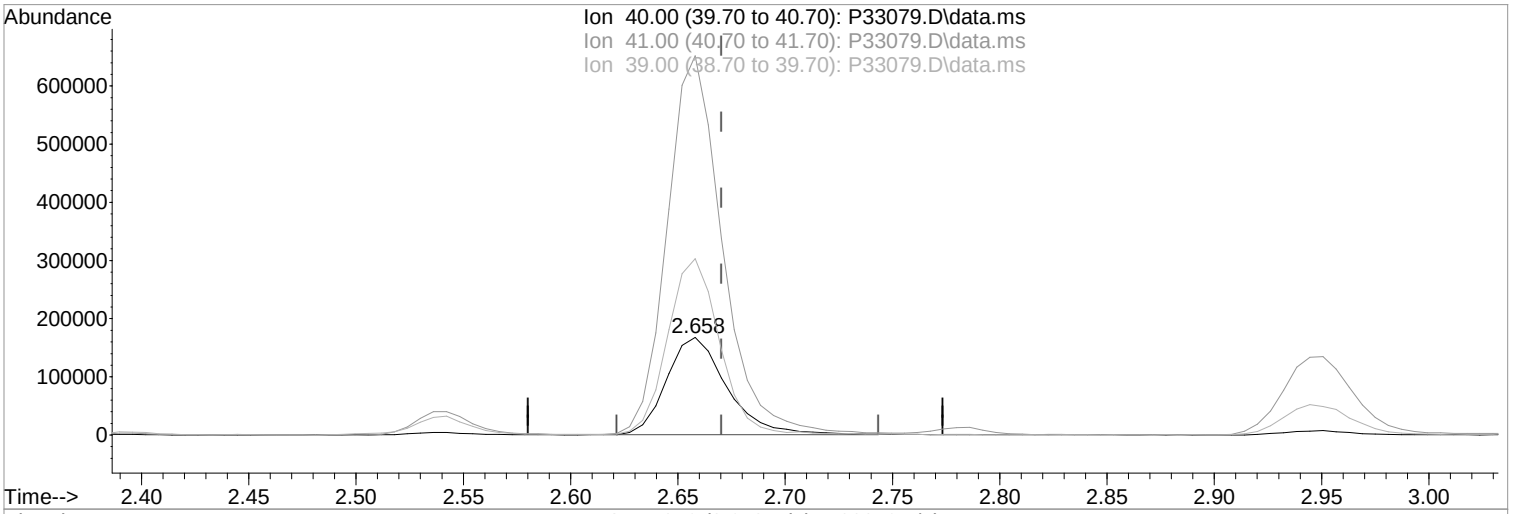
Poor integration.

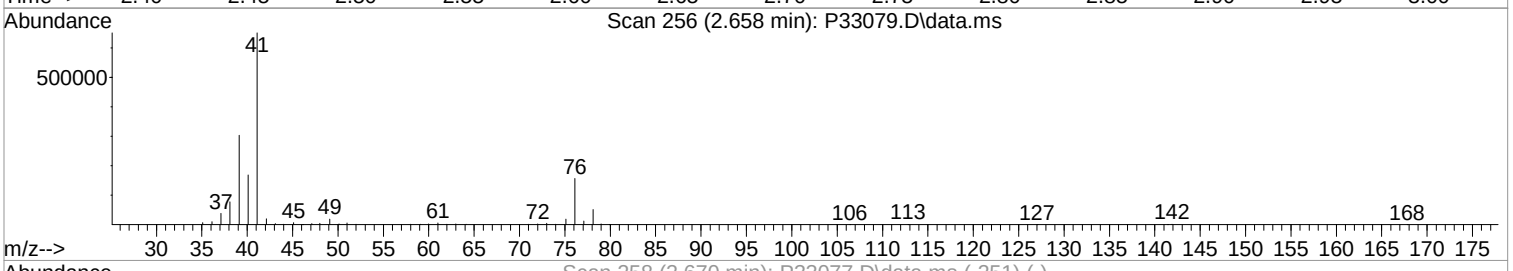
01/22/20

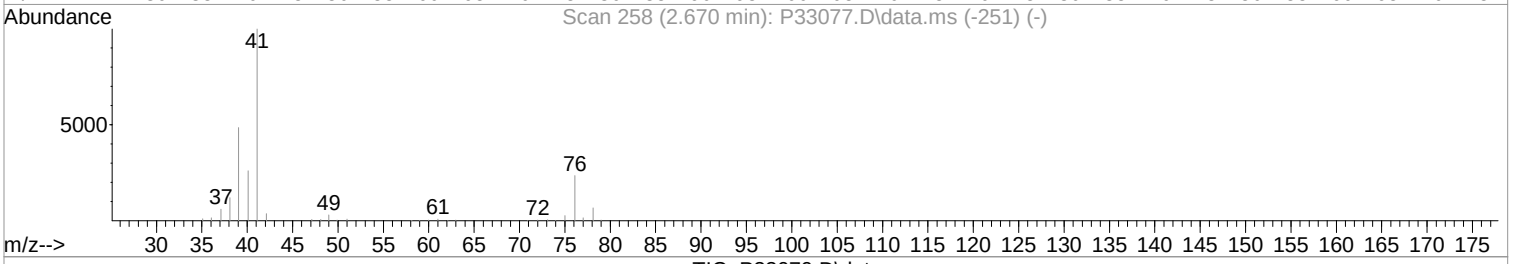
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33079.D
Acq On : 21 Jan 2020 3:42 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 22 10:37:53 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration







TIC: P33079.D\data.ms

(19) Acetonitrile

2.658min (-0.012) 1465.27 ppb

response 327778

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	388.26#
39.00	158.80	180.53#
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33079.D
Acq On : 21 Jan 2020 3:42 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 22 10:56:40 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.438	168	353732	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	538406	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	494952	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	294030	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	540676	190.13	ppb		-0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 380.26%#				
48) surr1,1,2-dichloroetha...	5.840	65	651380	188.87	ppb		-0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 377.74%#				
65) SURR3,Toluene-d8	8.309	98	2355842	177.46	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 354.92%#				
70) SURR2,BFB	10.864	95	969215	189.08	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 378.16%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	627813	159.22	ppb		99
3) Chloromethane	1.317	50	687733	159.33	ppb		99
4) Vinyl Chloride	1.390	62	715373	159.51	ppb		97
5) Bromomethane	1.616	94	406873	118.27	ppb		97
6) Chloroethane	1.683	64	421753	151.02	ppb		98
7) Freon 21	1.847	67	799490	159.74	ppb		97
8) Trichlorofluoromethane	1.878	101	671955	168.77	ppb		96
9) Diethyl Ether	2.134	59	456272	146.94	ppb		99
10) Freon 123a	2.140	67	518477	160.55	ppb		97
11) Freon 123	2.195	83	625080	158.42	ppb		98
12) Acrolein	2.250	56	698713	765.35	ppb		97
13) 1,1-Diclethene	2.317	96	439222	159.10	ppb		98
14) Freon 113	2.317	101	417889	160.89	ppb		100
15) Acetone	2.390	43	208438	140.14	ppb		99
16) 2-Propanol	2.542	45	1039790	3592.72	ppb		100
17) Iodomethane	2.457	142	688842	198.29	ppb		98
18) Carbon Disulfide	2.506	76	1326968	157.41	ppb		98
19) Acetonitrile	2.658	40	182851m	817.40	ppb		
20) Allyl Chloride	2.658	76	243349	152.24	ppb		96
21) Methyl Acetate	2.695	43	520913	152.23	ppb		99
22) Methylene Chloride	2.780	84	480373	134.27	ppb		98
23) TBA	2.951	59	1678157	3439.02	ppb		98
24) Acrylonitrile	3.066	53	1349698	740.73	ppb		98
25) Methyl-t-Butyl Ether	3.079	73	1617261	149.62	ppb		99
26) trans-1,2-Dichloroethene	3.066	96	479971	157.16	ppb		100
28) 1,1-Diclethane	3.579	63	834522	157.58	ppb		100
29) Vinyl Acetate	3.676	86	125662	166.51	ppb	#	93
30) DIPE	3.688	45	1446061	159.65	ppb		96
31) 2-Chloro-1,3-Butadiene	3.694	53	761212	157.26	ppb		99
32) ETBE	4.219	59	1454544	158.41	ppb		98
33) 2,2-Dichloropropane	4.414	77	681387	166.00	ppb		99
34) cis-1,2-Dichloroethene	4.432	96	533511	150.20	ppb		99
35) 2-Butanone	4.511	43	326930	149.76	ppb		97
36) Propionitrile	4.627	54	571217	783.17	ppb		99
37) Bromochloromethane	4.840	130	315562	145.63	ppb		94
38) Methacrylonitrile	4.877	67	288068	144.11	ppb		97
39) Tetrahydrofuran	4.932	42	225876	149.46	ppb		93
40) Chloroform	5.017	83	773379	142.82	ppb		98
41) 1,1,1-Trichloroethane	5.292	97	671656	159.81	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33079.D
Acq On : 21 Jan 2020 3:42 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 22 10:56:40 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.121	73	1541706	159.24	ppb		99
44) Cyclohexane	5.346	41	455942	152.82	ppb		97
46) Carbontetrachloride	5.548	117	511272	168.33	ppb		98
47) 1,1-Dichloropropene	5.572	75	631873	157.27	ppb		95
49) Benzene	5.895	78	2034270	152.72	ppb		99
50) 1,2-Dichloroethane	5.956	62	622693	144.98	ppb		99
51) Iso-Butyl Alcohol	5.962	43	734914	3767.75	ppb		94
52) n-Heptane	6.346	43	648934	155.73	ppb		96
53) 1-Butanol	6.907	56	1219376	10371.79	ppb		99
54) Trichloroethene	6.828	130	509221	150.34	ppb		99
55) Methylcyclohexane	7.041	55	681665	155.11	ppb		99
56) 1,2-Diclpropane	7.127	63	510398	151.66	ppb		100
57) Dibromomethane	7.267	93	298715	150.78	ppb		96
58) 1,4-Dioxane	7.340	88	225187	3046.95	ppb		95
59) Methyl Methacrylate	7.346	69	493327	157.27	ppb		98
60) Bromodichloromethane	7.492	83	585220	160.11	ppb		97
61) 2-Nitropropane	7.797	41	136893	345.46	ppb		99
62) 2-Chloroethylvinyl Ether	7.895	63	344169	168.35	ppb		95
63) cis-1,3-Dichloropropene	8.029	75	826014	166.85	ppb		100
64) 4-Methyl-2-pentanone	8.242	43	661708	154.25	ppb		96
66) Toluene	8.382	91	2166587	149.61	ppb		94
67) trans-1,3-Dichloropropene	8.669	75	760176	169.70	ppb		99
68) Ethyl Methacrylate	8.797	69	877303	170.86	ppb		94
69) 1,1,2-Trichloroethane	8.858	97	503288	146.33	ppb		98
72) Tetrachloroethene	8.962	164	421929	152.91	ppb		96
73) 2-Hexanone	9.145	43	505577	156.46	ppb		95
74) 1,3-Dichloropropane	9.023	76	861700	144.95	ppb		99
75) Dibromochloromethane	9.242	129	469343	173.55	ppb		92
76) N-Butyl Acetate	9.285	43	988364	168.06	ppb		97
77) 1,2-Dibromoethane	9.340	107	508245	151.11	ppb		98
78) Chlorobenzene	9.821	112	1422669	147.11	ppb		99
79) 3-CBTF	9.840	180	881399	158.27	ppb		96
80) 4-CBTF	9.894	180	799829	156.04	ppb		97
81) 1,1,1,2-Tetrachloroethane	9.913	131	493630	170.35	ppb		96
82) Ethylbenzene	9.937	106	821180	153.73	ppb	#	80
83) (m+p)Xylene	10.047	106	1938131	304.77	ppb	#	76
84) o-Xylene	10.406	106	987119	154.36	ppb		91
85) Styrene	10.419	104	1707891	155.71	ppb		96
87) Bromoform	10.583	173	331371	180.11	ppb		98
88) 2-CBTF	10.656	180	884593	148.18	ppb		99
89) Isopropylbenzene	10.736	105	2395225	140.14	ppb		90
90) Cyclohexanone	10.827	55	2464049	2692.43	ppb		94
91) trans-1,4-Dichloro-2-B...	11.059	53	205971	179.25	ppb		99
92) 1,1,2,2-Tetrachloroethane	11.010	83	775200	151.69	ppb		99
93) Bromobenzene	10.986	156	658944	143.12	ppb		96
94) 1,2,3-Trichloropropane	11.041	110	246494	144.19	ppb		96
95) n-Propylbenzene	11.089	91	2667501	131.56	ppb		88
96) 2-Chlorotoluene	11.156	91	1758471	140.63	ppb		94
97) 3-Chlorotoluene	11.211	91	1905205	145.92	ppb		96
98) 4-Chlorotoluene	11.248	91	1951994	142.40	ppb		94
99) 1,3,5-Trimethylbenzene	11.242	105	2068170	143.72	ppb		94
100) tert-Butylbenzene	11.510	119	1838896	140.90	ppb		96
101) 1,2,4-Trimethylbenzene	11.553	105	2093206	138.77	ppb		93
102) 3,4-DCBTF	11.614	214	778057	152.09	ppb		99
103) sec-Butylbenzene	11.693	105	2513927	136.09	ppb		91
104) p-Isopropyltoluene	11.815	119	2245434	140.15	ppb		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33079.D
Acq On : 21 Jan 2020 3:42 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 22 10:56:40 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

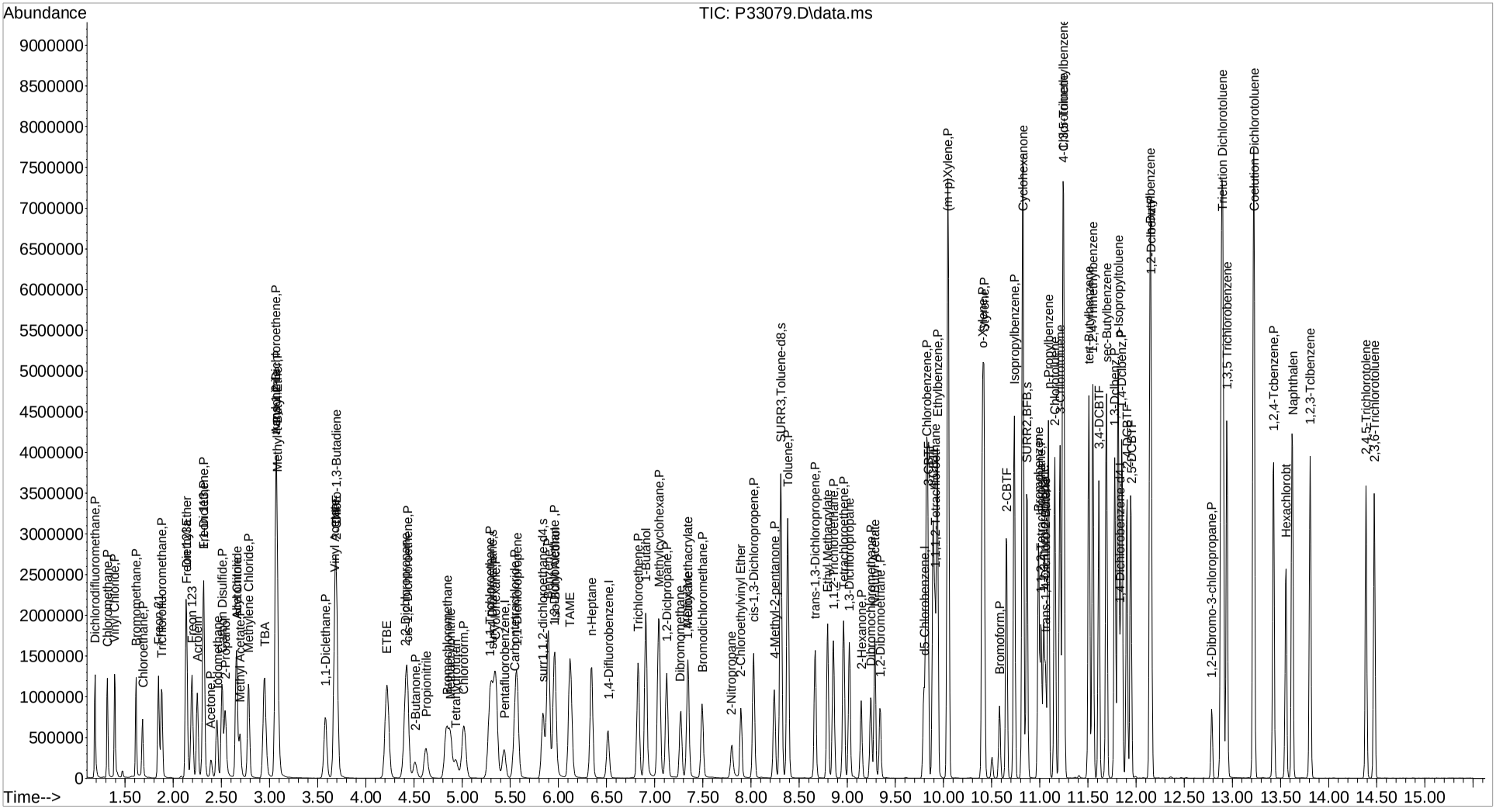
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	1294665	145.05	ppb	95
106) 1,4-Dclbenz	11.851	146	1330090	143.75	ppb	98
107) 2,4-DCBTF	11.906	214	714749	150.70	ppb	99
108) 2,5-DCBTF	11.949	214	805211	153.49	ppb	97
109) n-Butylbenzene	12.144	91	2111752	147.42	ppb	91
110) 1,2-Dclbenz	12.156	146	1297986	142.57	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.784	157	197203	162.28	ppb	97
112) Trielution Dichlorotol...	12.894	125	3494953	445.16	ppb	96
113) 1,3,5 Trichlorobenzene	12.943	180	1087015	149.94	ppb	99
114) Coelution Dichlorotoluene	13.223	125	2536603	294.85	ppb	93
115) 1,2,4-Tcbenzene	13.430	180	1005073	143.25	ppb	99
116) Hexachlorobt	13.558	225	425272	151.18	ppb	99
117) Naphthalen	13.625	128	2675687	137.21	ppb	95
118) 1,2,3-Tclbenzene	13.808	180	993399	143.69	ppb	99
119) 2,4,5-Trichlorotolene	14.387	159	759572	154.56	ppb	98
120) 2,3,6-Trichlorotoluene	14.473	159	682078	148.58	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33079.D
Acq On : 21 Jan 2020 3:42 pm
Operator : K.Ruest
Sample : 150ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 22 10:56:40 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration

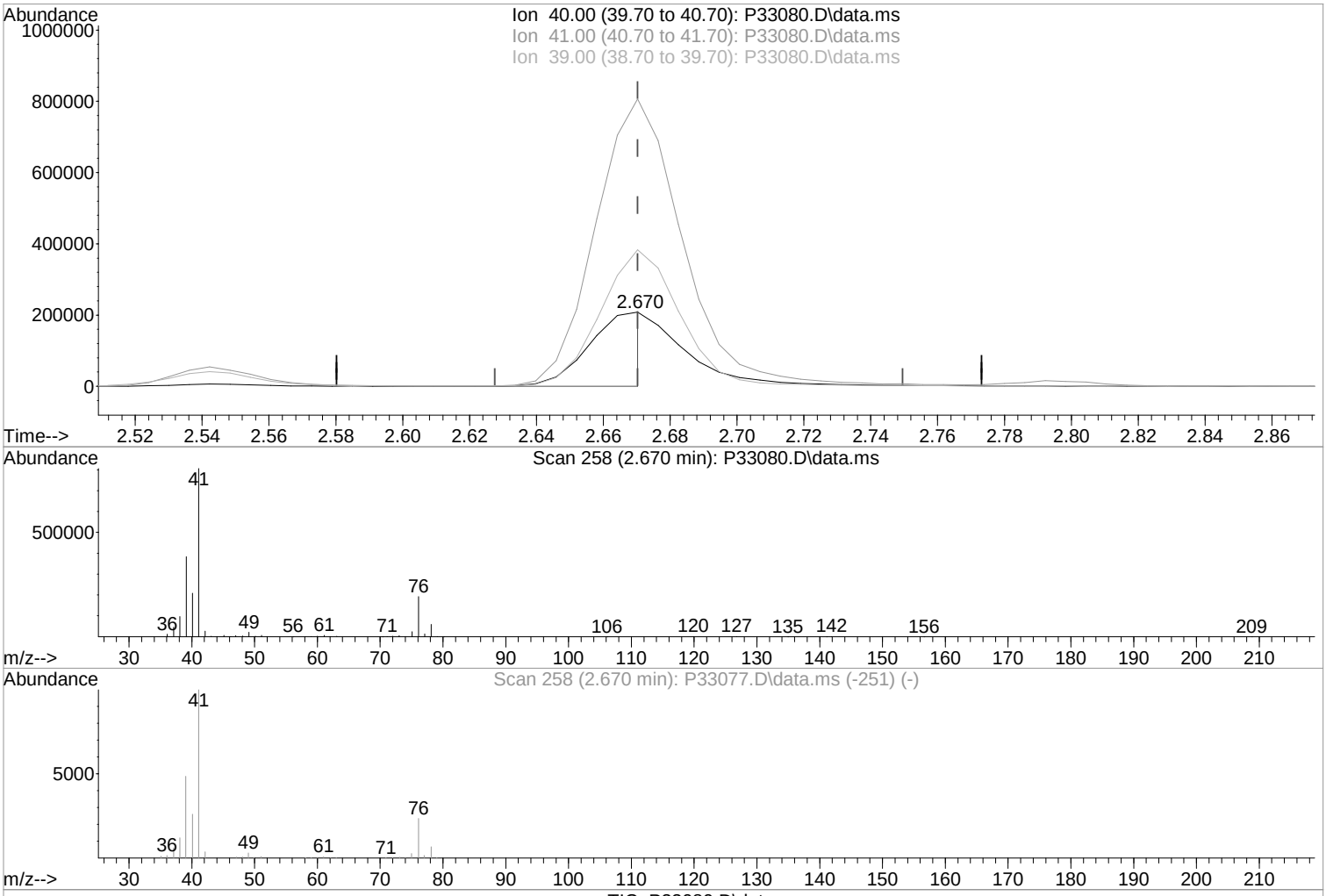


1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33080.D
Acq On : 21 Jan 2020 4:04 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 10:37:56 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33080.D\data.ms

(19) Acetonitrile

2.670min (0.000) 1089.86 ppb m

response 240522

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	387.61#
39.00	158.80	184.26#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

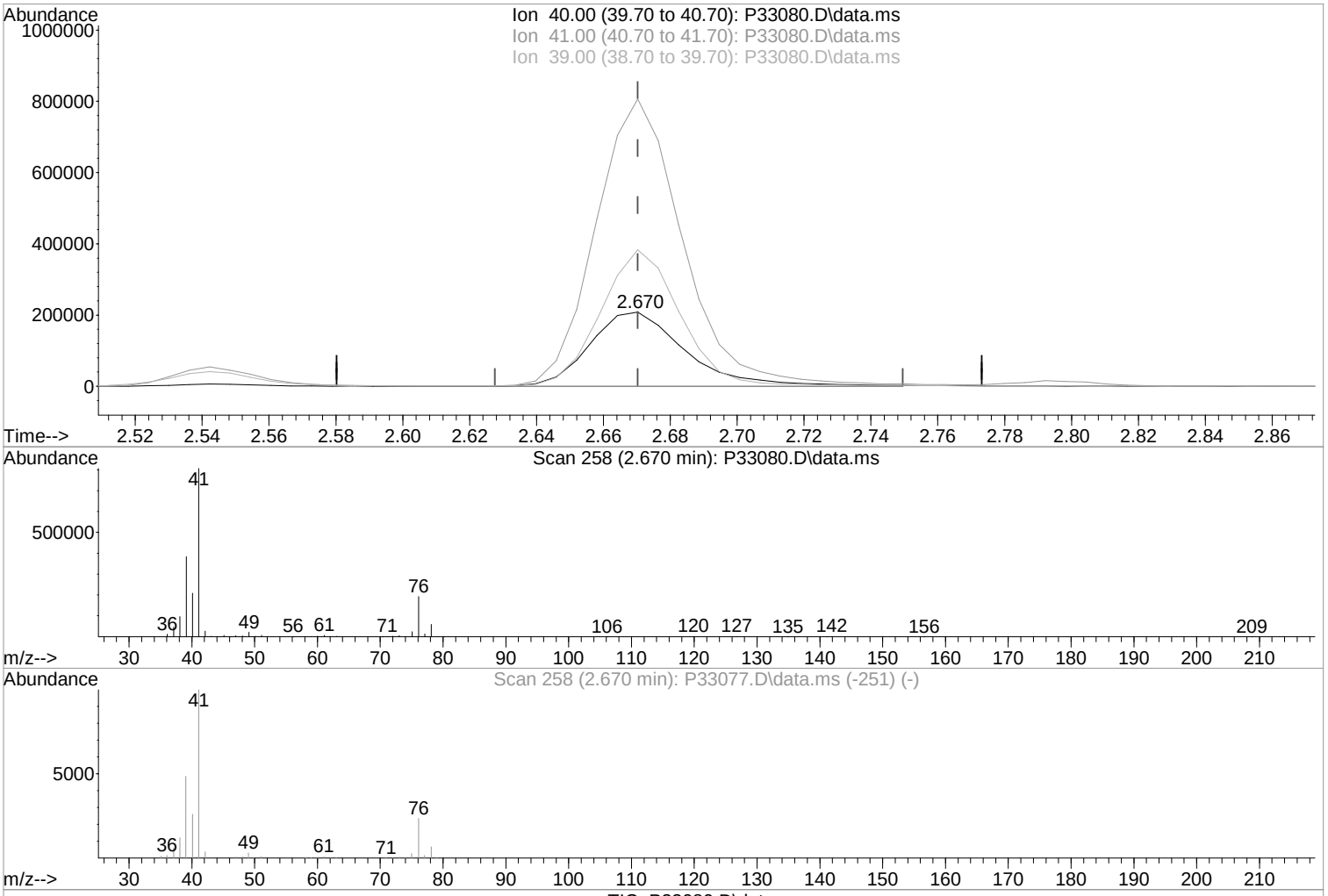
01/22/20

1st 01/22/20
2nd 01/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012120\
Data File : P33080.D
Acq On : 21 Jan 2020 4:04 pm
Operator : K.Ruest
Sample : 200ppb Inst : MSVOA-12
Misc : WATER ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 22 10:37:56 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 21 16:51:56 2020
Response via : Initial Calibration



TIC: P33080.D\data.ms

(19) Acetonitrile

2.670min (0.000) 1876.82 ppb

response 414197

Ion	Exp%	Act%
40.00	100	100
41.00	346.50	387.61#
39.00	158.80	184.26#
0.00	0.00	0.00

Manual Integration:

Before

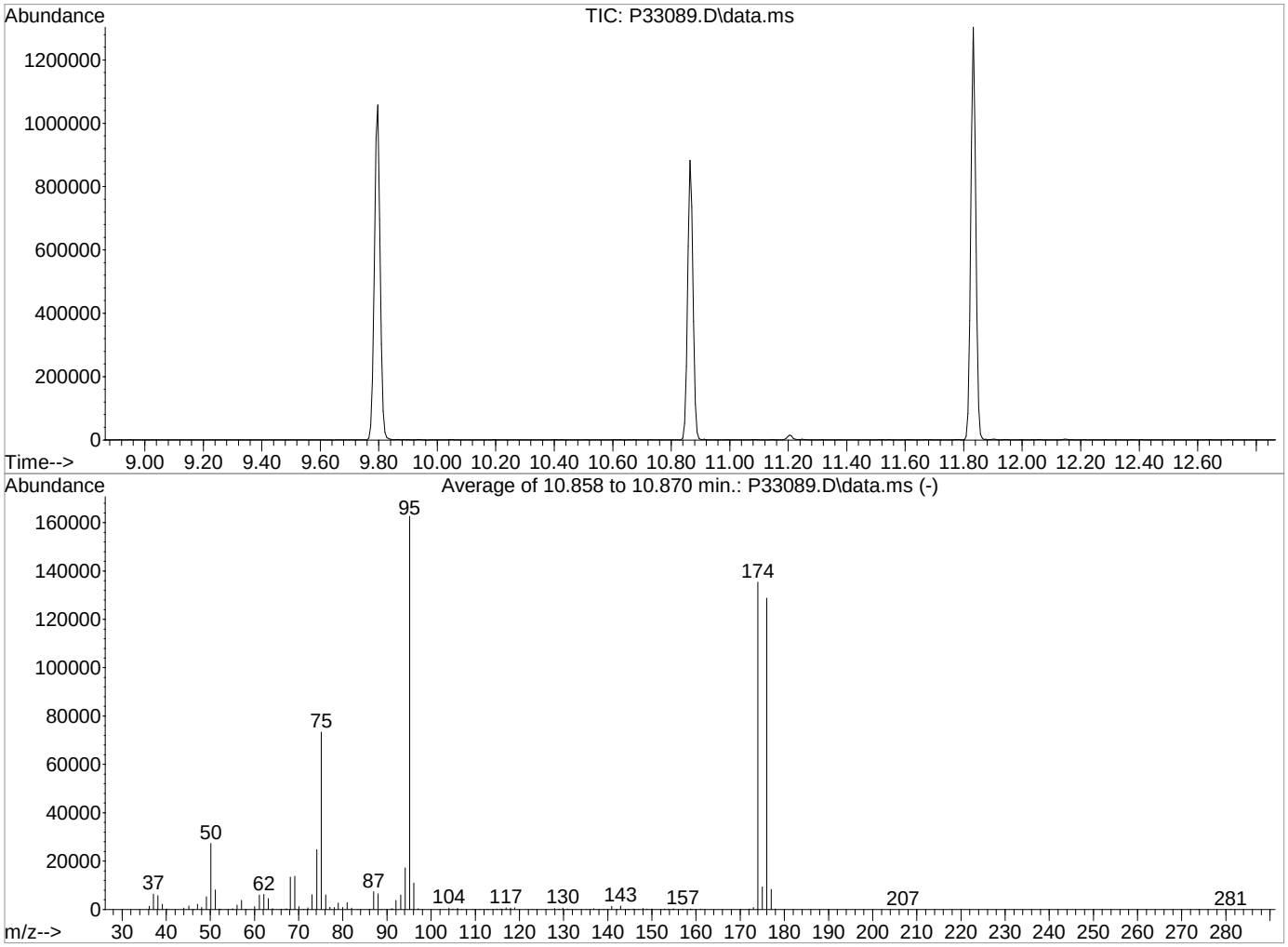
01/22/20

1st 01/22/20
2nd 01/22/20

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33089.D
Acq On : 22 Jan 2020 10:48 am
Operator : K.Ruest
Sample : TUNE Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Wed Jan 22 10:59:36 2020



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1595

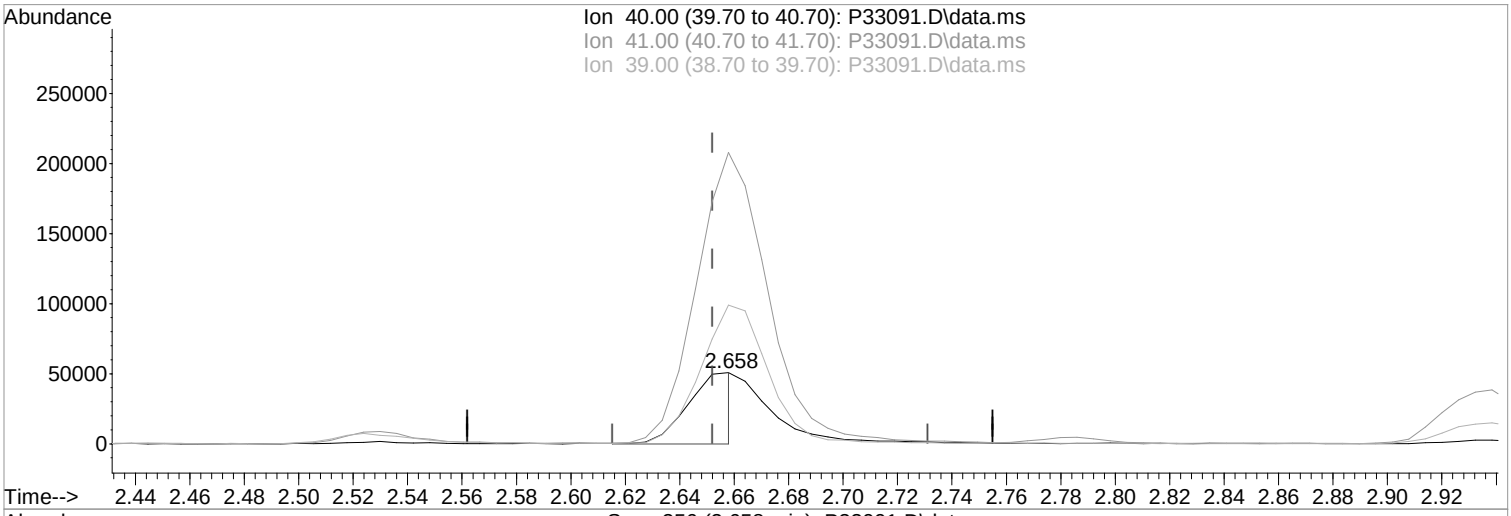
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	27280	PASS
75	95	30	60	45.1	73387	PASS
95	95	100	100	100.0	162667	PASS
96	95	5	9	6.7	10957	PASS
173	174	0.00	2	0.6	779	PASS
174	95	50	120	83.2	135357	PASS
175	174	5	9	6.9	9330	PASS
176	174	95	101	95.1	128717	PASS
177	176	5	9	6.4	8295	PASS

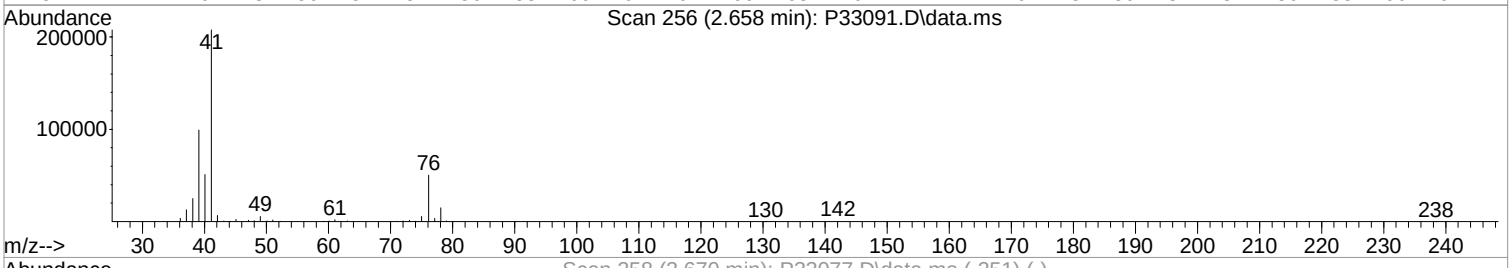
1st 01/22/20
2nd 01/22/20

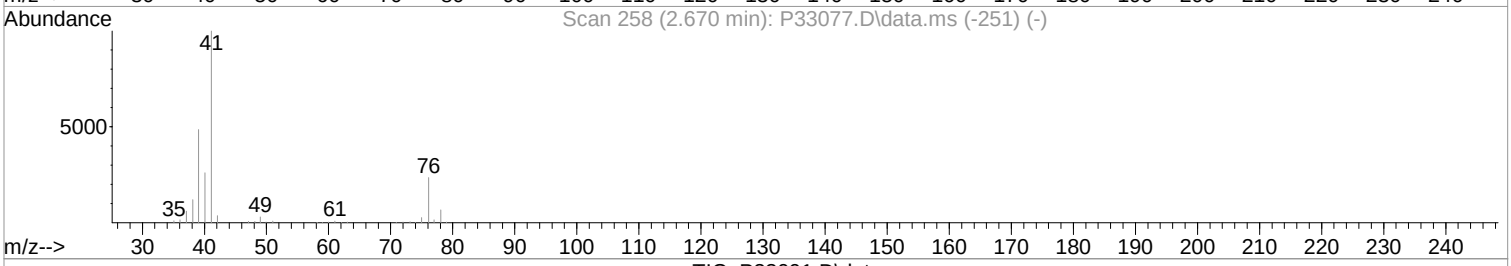
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:04:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P33091.D\data.ms

(19) Acetonitrile

2.658min (+0.006) 231.90 ppb m

response 59766

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	409.13#
39.00	187.40	194.87
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

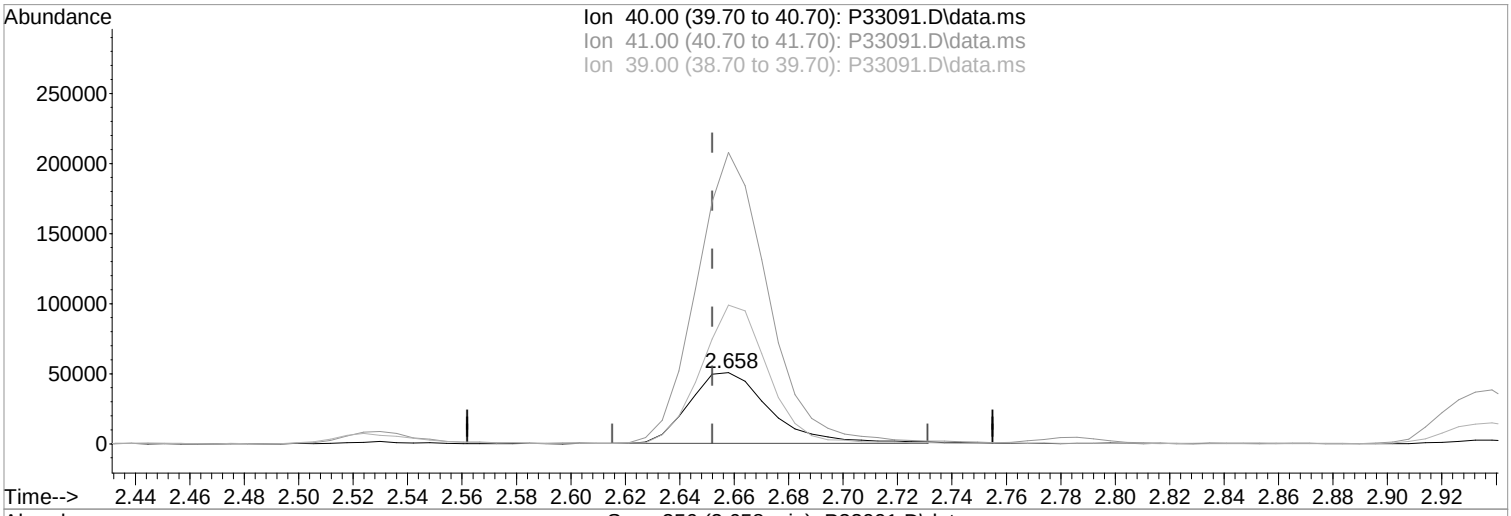
01/22/20

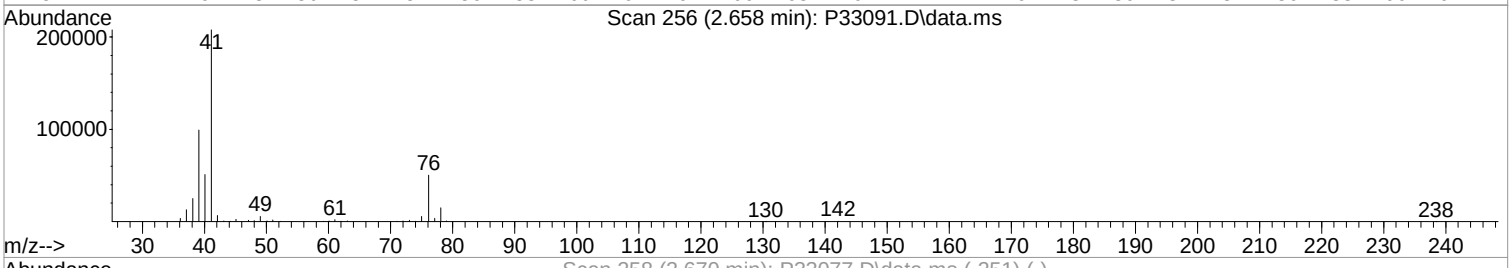
1st 01/22/20
2nd 01/22/20

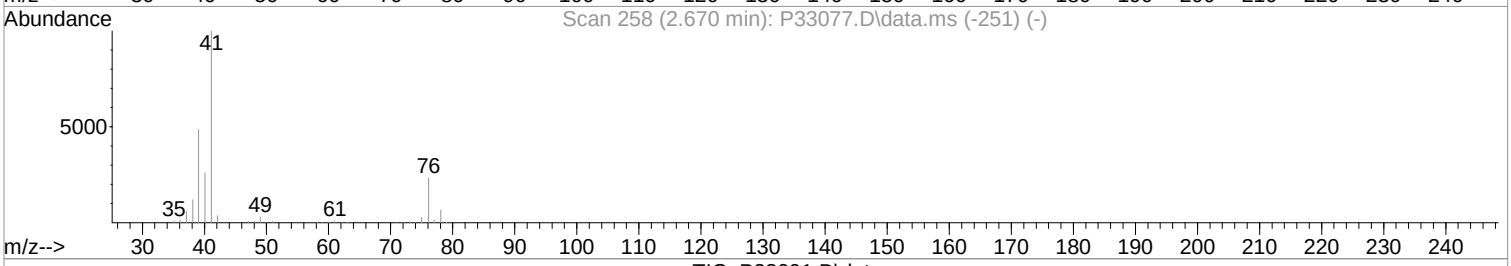
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:04:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P33091.D\data.ms

(19) Acetonitrile

2.658min (+0.006) 407.93 ppb

response 105134

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	409.13#
39.00	187.40	194.87
0.00	0.00	0.00

Manual Integration:

Before

01/22/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:08:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	106	0.00
2	P	Dichlorodifluoromethane	50.0000	48.0166	4.0	88	0.00
3	P	Chloromethane	50.0000	48.1475	3.7	90	0.00
4	P	Vinyl Chloride	50.0000	47.8371	4.3	86	0.00
5	P	Bromomethane	50.0000	37.8495	24.3#	94	0.00
6	P	Chloroethane	50.0000	45.0323	9.9	88	0.00
7		Freon 21	50.0000	43.8219	12.4	83	0.00
8	P	Trichlorofluoromethane	50.0000	52.1001	-4.2	93	0.00
9		Diethyl Ether	50.0000	46.8024	6.4	92	0.00
10		Freon 123a	50.0000	46.1590	7.7	88	0.00
11		Freon 123	50.0000	48.2785	3.4	93	0.00
12		Acrolein 100	~~250.0000~~	87.2221 25.6	~~65.1#~~	36	0.00
13	P	1,1-Diclethene	50.0000	48.8699	2.3	91	0.00
14	P	Freon 113	50.0000	50.6141	-1.2	92	0.00
15	P	Acetone	50.0000	43.7997	12.4	94	0.00
16		2-Propanol	1000.0000	817.4022	18.3	85	0.00
17		Iodomethane	50.0000	45.6944	8.6	89	0.00
18	P	Carbon Disulfide	50.0000	53.3718	-6.7	104	0.00
19		Acetonitrile	250.0000	231.8966	7.2	88	0.00
20		Allyl Chloride	50.0000	48.1581	3.7	101	0.00
21	P	Methyl Acetate	50.0000	43.7077	12.6	90	0.00
22	P	Methylene Chloride	50.0000	43.0175	14.0	93	0.00
23		TBA	1000.0000	900.7807	9.9	92	0.00
24		Acrylonitrile	250.0000	230.0275	8.0	93	0.00
25	P	Methyl-t-Butyl Ether	50.0000	48.6854	2.6	97	0.00
26	P	trans-1,2-Dichloroethene	50.0000	48.7523	2.5	92	0.00
27		Halothane	-1.0000	0.0000	0.0	0	-4.22#
28	P	1,1-Diclethane	50.0000	48.7924	2.4	93	0.00
29		Vinyl Acetate	50.0000	52.5777	-5.2	108	0.00
30		DIPE	50.0000	51.7540	-3.5	98	0.00
31		2-Chloro-1,3-Butadiene	50.0000	51.9692	-3.9	102	0.00
32		ETBE	50.0000	51.0166	-2.0	100	0.00
33		2,2-Dichloropropane	50.0000	49.3459	1.3	93	0.00
34	P	cis-1,2-Dichloroethene	50.0000	47.6720	4.7	95	0.00
35	P	2-Butanone	50.0000	44.3280	11.3	95	0.00
36		Propionitrile	250.0000	229.3835	8.2	89	0.00
37		Bromochloromethane	50.0000	46.8396	6.3	96	0.00
38		Methacrylonitrile	50.0000	42.9119	14.2	88	0.00
39		Tetrahydrofuran	50.0000	41.3932	17.2	86	-0.01
40	P	Chloroform	50.0000	45.9667	8.1	96	0.00
41	P	1,1,1-Trichloroethane	50.0000	49.4641	1.1	94	0.00
42		TAME	50.0000	47.3903	5.2	93	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	108	0.00
44	P	Cyclohexane	50.0000	43.4431	13.1	88	0.00
45	s	surr4,Dibrflmethane	50.0000	46.0846	7.8	97	0.00
46	P	Carbontetrachloride	50.0000	49.0648	1.9	95	0.00
47		1,1-Dichloropropene	50.0000	49.2842	1.4	93	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	46.3188	7.4	99	0.00
49	P	Benzene	50.0000	48.6683	2.7	94	0.00
50	P	1,2-Dichloroethane	50.0000	44.2681	11.5	93	0.00
51		Iso-Butyl Alcohol	1000.0000	893.6909	10.6	90	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:08:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	49.3218	1.4	94	0.00
53		1-Butanol	2500.0000	2354.5320	5.8	91	0.00
54	P	Trichloroethene	50.0000	46.7298	6.5	93	0.00
55	P	Methylcyclohexane	50.0000	44.2275	11.5	88	0.00
56	P	1,2-Diclpropane	50.0000	46.9442	6.1	94	0.00
57		Dibromomethane	50.0000	46.7230	6.6	95	0.00
58		1,4-Dioxane	1000.0000	899.9194	10.0	94	0.00
59		Methyl Methacrylate	50.0000	45.7060	8.6	94	0.00
60	P	Bromodichloromethane	50.0000	49.5647	0.9	99	0.00
61		2-Nitropropane	100.0000	90.7837	9.2	100	0.00
62		2-Chloroethylvinyl Ether	50.0000	48.3689	3.3	101	0.00
63	P	cis-1,3-Dichloropropene	50.0000	48.4022	3.2	92	0.00
64	P	4-Methyl-2-pentanone	50.0000	47.2687	5.5	98	0.00
65	s	SURR3,Toluene-d8	50.0000	47.2809	5.4	100	0.00
66	P	Toluene	50.0000	49.1138	1.8	96	0.00
67	P	trans-1,3-Dichloropropene	50.0000	49.0812	1.8	95	0.00
68		Ethyl Methacrylate	50.0000	49.9499	0.1	96	0.00
69	P	1,1,2-Trichloroethane	50.0000	44.9104	10.2	95	0.00
70	s	SURR2,BFB	50.0000	46.6426	6.7	101	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	110	0.00
72	P	Tetrachloroethene	50.0000	46.9022	6.2	94	0.00
73	P	2-Hexanone	50.0000	46.9342	6.1	102	0.00
74		1,3-Dichloropropane	50.0000	44.7317	10.5	93	0.00
75	P	Dibromochloromethane	50.0000	50.3919	-0.8	100	0.00
76		N-Butyl Acetate	50.0000	44.9518	10.1	91	0.00
77	P	1,2-Dibromoethane	50.0000	46.2151	7.6	95	0.00
78	P	Chlorobenzene	50.0000	47.2319	5.5	95	0.00
79		3-CBTF	50.0000	47.8478	4.3	94	0.00
80		4-CBTF	50.0000	45.7208	8.6	92	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	49.3870	1.2	97	0.00
82	P	Ethylbenzene	50.0000	47.0849	5.8	95	0.00
83	P	(m+p)Xylene	100.0000	99.0330	1.0	95	0.00
84	P	o-Xylene	50.0000	49.0414	1.9	96	0.00
85	P	Styrene	50.0000	47.9889	4.0	91	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	115	0.00
87	P	Bromoform	50.0000	49.4700	1.1	103	0.00
88		2-CBTF	50.0000	45.6623	8.7	94	0.00
89	P	Isopropylbenzene	50.0000	49.4147	1.2	94	0.00
90		Cyclohexanone	1000.0000	860.3868	14.0	89	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	48.9021	2.2	95	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	48.6405	2.7	100	0.00
93		Bromobenzene	50.0000	44.5978	10.8	93	0.00
94		1,2,3-Trichloropropane	50.0000	42.4329	15.1	88	0.00
95		n-Propylbenzene	50.0000	49.1482	1.7	95	0.00
96		2-Chlorotoluene	50.0000	47.5146	5.0	95	0.00
97		3-Chlorotoluene	50.0000	46.5510	6.9	93	0.00
98		4-Chlorotoluene	50.0000	47.7038	4.6	95	0.00
99		1,3,5-Trimethylbenzene	50.0000	49.0624	1.9	95	0.00
100		tert-Butylbenzene	50.0000	47.5511	4.9	96	0.00
101		1,2,4-Trimethylbenzene	50.0000	47.4433	5.1	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:08:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	44.7289	10.5	93	0.00
103		sec-Butylbenzene	50.0000	49.8338	0.3	97	0.00
104		p-Isopropyltoluene	50.0000	48.5363	2.9	94	0.00
105	P	1,3-Dclbenz	50.0000	47.4068	5.2	97	0.00
106	P	1,4-Dclbenz	50.0000	45.2238	9.6	95	0.00
107		2,4-DCBTF	50.0000	43.3951	13.2	90	0.00
108		2,5-DCBTF	50.0000	43.3449	13.3	90	0.00
109		n-Butylbenzene	50.0000	50.4561	-0.9	98	0.00
110	P	1,2-Dclbenz	50.0000	45.7457	8.5	96	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	46.4201	7.2	96	0.00
112		Trielution Dichlorotoluene	150.0000	139.5052	7.0	91	0.00
113		1,3,5 Trichlorobenzene	50.0000	44.4952	11.0	92	0.00
114		Coelution Dichlorotoluene	100.0000	93.3034	6.7	91	0.00
115	P	1,2,4-Tcbenzene	50.0000	46.6158	6.8	99	0.00
116		Hexachlorobt	50.0000	47.4744	5.1	93	0.00
117		Naphthalen	50.0000	48.9695	2.1	93	0.00
118		1,2,3-Tclbenzene	50.0000	45.3981	9.2	93	0.00
119		2,4,5-Trichlorotolene	50.0000	45.7720	8.5	90	0.00
120		2,3,6-Trichlorotoluene	50.0000	44.6746	10.7	89	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:08:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.438	168	370039	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.517	114	564190	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	517429	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	291657	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.304	113	137327	46.08	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.16%			
48) surr1,1,2-dichloroetha...	5.840	65	167395	46.32	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 92.64%			
65) SURR3,Toluene-d8	8.309	98	657732	47.28	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 94.56%			
70) SURR2,BFB	10.864	95	250535	46.64	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.189	85	198099	48.02	ppb	99
3) Chloromethane	1.317	50	217398	48.15	ppb	99
4) Vinyl Chloride	1.396	62	224427	47.84	ppb	99
5) Bromomethane	1.615	94	136211	37.85	ppb	96
6) Chloroethane	1.701	64	131560	45.03	ppb	99
7) Freon 21	1.853	67	229697	43.82	ppb	98
8) Trichlorofluoromethane	1.890	101	216993	52.10	ppb	99
9) Diethyl Ether	2.134	59	152026	46.80	ppb	99
10) Freon 123a	2.140	67	156000	46.16	ppb	99
11) Freon 123	2.195	83	199274	48.28	ppb	98
12) Acrolein	2.249	56	83299	87.22	ppb	96
13) 1,1-Diclethene	2.323	96	141129	48.87	ppb	98
14) Freon 113	2.323	101	137524	50.61	ppb	98
15) Acetone	2.390	43	68150	43.80	ppb	98
16) 2-Propanol	2.530	45	256471	817.40	ppb	98
17) Iodomethane	2.457	142	204153	45.69	ppb	99
18) Carbon Disulfide	2.512	76	470675	53.37	ppb	96
19) Acetonitrile	2.658	40	59766m	231.90	ppb	
20) Allyl Chloride	2.658	76	80529	48.16	ppb	96
21) Methyl Acetate	2.695	43	156462	43.71	ppb	99
22) Methylene Chloride	2.786	84	161001	43.02	ppb	97
23) TBA	2.932	59	459822	900.78	ppb	98
24) Acrylonitrile	3.066	53	438458	230.03	ppb	98
25) Methyl-t-Butyl Ether	3.079	73	550506	48.69	ppb	99
26) trans-1,2-Dichloroethene	3.072	96	155755	48.75	ppb	96
28) 1,1-Diclethane	3.585	63	270318	48.79	ppb	99
29) Vinyl Acetate	3.682	86	41508	52.58	ppb	98
30) DIPE	3.688	45	490392	51.75	ppb	94
31) 2-Chloro-1,3-Butadiene	3.694	53	263505	51.97	ppb	100
32) ETBE	4.219	59	490032	51.02	ppb	97
33) 2,2-Dichloropropane	4.414	77	211889	49.35	ppb	99
34) cis-1,2-Dichloroethene	4.432	96	177140	47.67	ppb	100
35) 2-Butanone	4.511	43	101229	44.33	ppb	98
36) Propionitrile	4.621	54	175018	229.38	ppb	97
37) Bromochloromethane	4.840	130	106177	46.84	ppb	97
38) Methacrylonitrile	4.877	67	89732	42.91	ppb	95
39) Tetrahydrofuran	4.932	42	65440	41.39	ppb	87
40) Chloroform	5.017	83	260386	45.97	ppb	96
41) 1,1,1-Trichloroethane	5.292	97	217468	49.46	ppb	97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:08:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.121	73	479973	47.39	ppb		97
44) Cyclohexane	5.346	41	135826	43.44	ppb		99
46) Carbontetrachloride	5.554	117	157345	49.06	ppb		98
47) 1,1-Dichloropropene	5.572	75	207493	49.28	ppb		94
49) Benzene	5.895	78	679299	48.67	ppb		99
50) 1,2-Dichloroethane	5.956	62	199242	44.27	ppb		98
51) Iso-Butyl Alcohol	5.950	43	177831	893.69	ppb		97
52) n-Heptane	6.340	43	215374	49.32	ppb		95
53) 1-Butanol	6.901	56	282551	2354.53	ppb		100
54) Trichloroethene	6.828	130	165864	46.73	ppb		96
55) Methylcyclohexane	7.041	55	203671	44.23	ppb		95
56) 1,2-Diclpropane	7.127	63	165556	46.94	ppb		94
57) Dibromomethane	7.267	93	97000	46.72	ppb		94
58) 1,4-Dioxane	7.340	88	69640	899.92	ppb		99
59) Methyl Methacrylate	7.346	69	150237	45.71	ppb		99
60) Bromodichloromethane	7.492	83	189837	49.56	ppb		100
61) 2-Nitropropane	7.797	41	37703	90.78	ppb		87
62) 2-Chloroethylvinyl Ether	7.895	63	104156	48.37	ppb		97
63) cis-1,3-Dichloropropene	8.029	75	251104	48.40	ppb		99
64) 4-Methyl-2-pentanone	8.242	43	212485	47.27	ppb		99
66) Toluene	8.382	91	745282	49.11	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	230385	49.08	ppb		99
68) Ethyl Methacrylate	8.797	69	268752	49.95	ppb		98
69) 1,1,2-Trichloroethane	8.858	97	161861	44.91	ppb		96
72) Tetrachloroethene	8.962	164	135297	46.90	ppb		96
73) 2-Hexanone	9.144	43	158552	46.93	ppb		97
74) 1,3-Dichloropropane	9.023	76	277990	44.73	ppb		99
75) Dibromochloromethane	9.242	129	142465	50.39	ppb		90
76) N-Butyl Acetate	9.285	43	276364	44.95	ppb		98
77) 1,2-Dibromoethane	9.340	107	162500	46.22	ppb		97
78) Chlorobenzene	9.821	112	477518	47.23	ppb		97
79) 3-CBTF	9.839	180	278571	47.85	ppb		97
80) 4-CBTF	9.894	180	245004	45.72	ppb		98
81) 1,1,1,2-Tetrachloroethane	9.913	131	149613	49.39	ppb		99
82) Ethylbenzene	9.937	106	262935	47.08	ppb		100
83) (m+p)Xylene	10.047	106	658386	99.03	ppb		99
84) o-Xylene	10.406	106	327861	49.04	ppb		99
85) Styrene	10.419	104	550253	47.99	ppb		99
87) Bromoform	10.583	173	90284	49.47	ppb		96
88) 2-CBTF	10.656	180	270384	45.66	ppb		99
89) Isopropylbenzene	10.736	105	837759	49.41	ppb		99
90) Cyclohexanone	10.821	55	784247	860.39	ppb		99
91) trans-1,4-Dichloro-2-B...	11.059	53	55739	48.90	ppb		98
92) 1,1,2,2-Tetrachloroethane	11.010	83	246573	48.64	ppb		100
93) Bromobenzene	10.986	156	203680	44.60	ppb		97
94) 1,2,3-Trichloropropane	11.040	110	71956	42.43	ppb	#	86
95) n-Propylbenzene	11.089	91	988497	49.15	ppb		99
96) 2-Chlorotoluene	11.156	91	589330	47.51	ppb		99
97) 3-Chlorotoluene	11.211	91	602900	46.55	ppb		98
98) 4-Chlorotoluene	11.248	91	648655	47.70	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	700310	49.06	ppb		96
100) tert-Butylbenzene	11.510	119	615599	47.55	ppb		98
101) 1,2,4-Trimethylbenzene	11.553	105	709884	47.44	ppb		99
102) 3,4-DCBTF	11.614	214	226975	44.73	ppb		99
103) sec-Butylbenzene	11.693	105	913097	49.83	ppb		99
104) p-Isopropyltoluene	11.815	119	771339	48.54	ppb		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:08:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

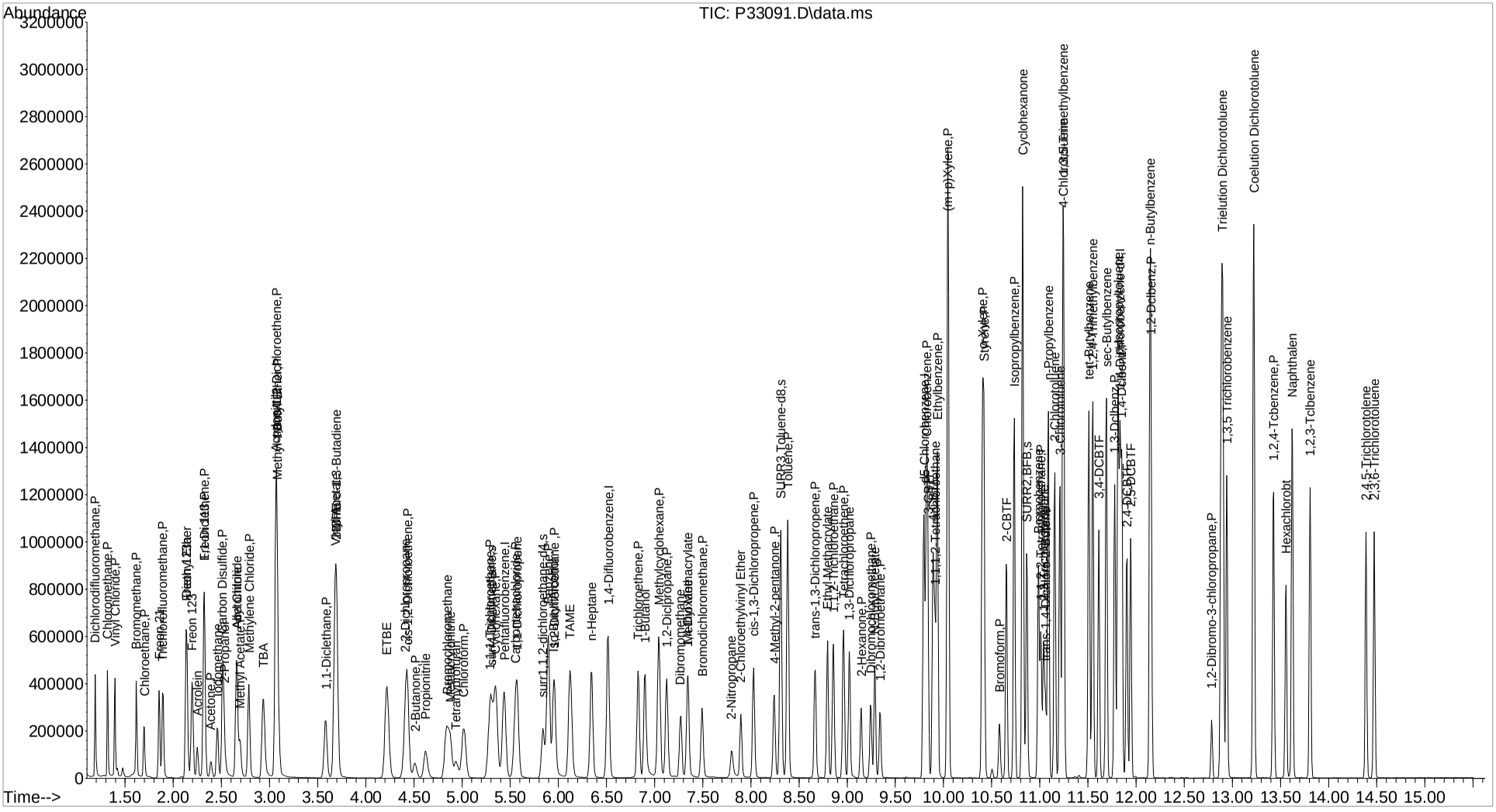
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	419731	47.41	ppb	99
106) 1,4-Dclbenz	11.851	146	415080	45.22	ppb	97
107) 2,4-DCBTF	11.906	214	204156	43.40	ppb	97
108) 2,5-DCBTF	11.943	214	225547	43.34	ppb	99
109) n-Butylbenzene	12.144	91	716950	50.46	ppb	100
110) 1,2-Dclbenz	12.156	146	413119	45.75	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	55956	46.42	ppb	94
112) Trielution Dichlorotol...	12.894	125	1086410	139.51	ppb	97
113) 1,3,5 Trichlorobenzene	12.943	180	319962	44.50	ppb	100
114) Coelution Dichlorotoluene	13.223	125	796209	93.30	ppb	99
115) 1,2,4-Tcbenzene	13.430	180	324422	46.62	ppb	100
116) Hexachlorobt	13.558	225	132467	47.47	ppb	99
117) Naphthalen	13.619	128	947217	48.97	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	311337	45.40	ppb	98
119) 2,4,5-Trichlorotolene	14.387	159	223134	45.77	ppb	97
120) 2,3,6-Trichlorotoluene	14.473	159	203437	44.67	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\012220\
Data File : P33091.D
Acq On : 22 Jan 2020 11:47 am
Operator : K.Ruest
Sample : ICV/LCS 50 Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 12:08:22 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton **Calibration Date:** 1/21/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000011 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2000011-01	0.5ppb	I:\ACQUDATA\msvoa12\Data\012120\P33072.D	01/21/2020 13:10
02	RC2000011-02	1.0ppb	I:\ACQUDATA\msvoa12\Data\012120\P33073.D	01/21/2020 13:32
03	RC2000011-03	2.0ppb	I:\ACQUDATA\msvoa12\Data\012120\P33074.D	01/21/2020 13:53
04	RC2000011-04	5.0ppb	I:\ACQUDATA\msvoa12\Data\012120\P33075.D	01/21/2020 14:15
05	RC2000011-05	20ppb	I:\ACQUDATA\msvoa12\Data\012120\P33076.D	01/21/2020 14:37
06	RC2000011-06	50ppb	I:\ACQUDATA\msvoa12\Data\012120\P33077.D	01/21/2020 14:58
07	RC2000011-07	100ppb	I:\ACQUDATA\msvoa12\Data\012120\P33078.D	01/21/2020 15:20
08	RC2000011-08	150ppb	I:\ACQUDATA\msvoa12\Data\012120\P33079.D	01/21/2020 15:42
09	RC2000011-09	200ppb	I:\ACQUDATA\msvoa12\Data\012120\P33080.D	01/21/2020 16:04

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.5568	03	2.000	0.5529	04	5.000	0.5684	05	20.000	0.6008
06	50.000	0.6648	07	100.000	0.6105	08	150.000	0.6329	09	200.000	0.5653

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5354	02	1.000	0.7388	03	2.000	0.7252	04	5.000	0.8142
05	20.000	0.8084	06	50.000	0.838	07	100.000	0.7781	08	150.000	0.7864
09	200.000	0.7127									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.277	02	1.000	0.3582	03	2.000	0.4173	04	5.000	0.3902
05	20.000	0.4312	06	50.000	0.4462	07	100.000	0.4091	08	150.000	0.4139
09	200.000	0.3687									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5545	05	20.000	0.4387	06	50.000	0.4768	07	100.000	0.4601
08	200.000	0.45									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.302	05	20.000	0.2378	06	50.000	0.2711	07	100.000	0.2585
08	200.000	0.2511									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2347	02	1.000	0.2544	03	2.000	0.2957	04	5.000	0.2916
05	20.000	0.3051	06	50.000	0.306	07	100.000	0.2844	08	150.000	0.2842
09	200.000	0.2528									

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton **Calibration Date:** 1/21/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000011 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.499	05	20.000	1.138	06	50.000	1.258	07	100.000	1.176
08	200.000	1.094									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2348	02	1.000	0.3181	03	2.000	0.3485	04	5.000	0.3378
05	20.000	0.337	06	50.000	0.3418	07	100.000	0.3148	08	150.000	0.3153
09	200.000	0.283									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4042	02	1.000	0.5894	03	2.000	0.6275	04	5.000	0.6377
05	20.000	0.7209	06	50.000	0.7531	07	100.000	0.6825	08	150.000	0.6741
09	200.000	0.6159									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4796	02	1.000	0.4843	03	2.000	0.5376	04	5.000	0.4979
05	20.000	0.515	06	50.000	0.5369	07	100.000	0.4991	08	150.000	0.5027
09	200.000	0.4657									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3289	02	1.000	0.4164	03	2.000	0.4719	04	5.000	0.4222
05	20.000	0.4624	06	50.000	0.4852	07	100.000	0.4397	08	150.000	0.4523
09	200.000	0.4063									

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton **Calibration Date:** 1/21/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000011 **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	6.8	≤20	0.5941	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	12.1	≤20	0.7486	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	13.1	≤20	0.3902	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.7	≤20	0.476	
Dibromofluoromethane	SURR	Average RF	% RSD	9.2	≤20	0.2641	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	9.1	≤20	0.2787	0.200
Toluene-d8	SURR	Average RF	% RSD	13.0	≤20	1.233	
Trichloroethene (TCE)	TRG	Average RF	% RSD	11.4	≤20	0.3146	0.200
Vinyl Chloride	TRG	Average RF	% RSD	15.9	≤20	0.6339	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	4.9	≤20	0.5021	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	10.8	≤20	0.4317	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton **Calibration Date:** 1/21/2020

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Calibration ID: RC2000011 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2000011-10	ICV/LCS 50	I:\ACQUDATA\msvoa12\Data\012220\P33091.D	01/22/2020 11:47

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.5	5.941E-1	5.877E-1	-1.072	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.8	7.486E-1	7.305E-1	-2.415	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	48.9	3.902E-1	3.814E-1	-2.260	±30	Average RF
Tetrachloroethene (PCE)	50.0	46.9	2.787E-1	2.615E-1	-6.196	±30	Average RF
Trichloroethene (TCE)	50.0	46.7	3.146E-1	2.94E-1	-6.540	±30	Average RF
Vinyl Chloride	50.0	47.8	6.339E-1	6.065E-1	-4.326	±30	Average RF
cis-1,2-Dichloroethene	50.0	47.7	5.021E-1	4.787E-1	-4.656	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.8	4.317E-1	4.209E-1	-2.495	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	46.6	4.76E-1	4.441E-1	-6.715	±30	Average RF
Dibromofluoromethane	50.0	46.1	2.641E-1	2.434E-1	-7.831	±30	Average RF
Toluene-d8	50.0	47.3	1.233E0	1.166E0	-5.438	±30	Average RF

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

Service Request: R2002580
Date Analyzed: 03/27/20 12:20

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa12\Data\032720\P34392.D\
Signal ID: 1

Calibration Date: 1/21/2020
Calibration ID: RC2000011
Analysis Lot: 674997
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.0	0.5941	0.5826	-1.9	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	54.8	0.7486	0.8204	9.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	51.6	0.3902	0.4024	3.1	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	52.9	0.2787	0.295	5.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	51.8	0.3146	0.3257	3.5	NA	±20	Average RF
Vinyl Chloride	50.0	55.5	0.6339	0.7032	10.9	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.5	0.5021	0.4975	-0.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	50.9	0.4317	0.4395	1.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	47.4	0.476	0.4517	-5.1	NA	±20	Average RF
Dibromofluoromethane	50.0	48.2	0.2641	0.2548	-3.5	NA	±20	Average RF
Toluene-d8	50.0	49.7	1.2328	1.2245	-0.7	NA	±20	Average RF

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

Service Request: R2002580
Date Analyzed: 03/30/20 10:55

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa12\Data\033020\P34424.D\
Signal ID: 1

Calibration Date: 1/21/2020
Calibration ID: RC2000011
Analysis Lot: 675104
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.9	0.5941	0.557	-6.2	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	52.6	0.7486	0.7874	5.2	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.5	0.3902	0.3859	-1.1	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.5	0.2787	0.276	-1.0	NA	±20	Average RF
Trichloroethene (TCE)	50.0	49.2	0.3146	0.3094	-1.6	NA	±20	Average RF
Vinyl Chloride	50.0	54.6	0.6339	0.6926	9.3	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.0	0.5021	0.4824	-3.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	48.8	0.4317	0.4212	-2.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	46.3	0.476	0.4409	-7.4	NA	±20	Average RF
Dibromofluoromethane	50.0	46.9	0.2641	0.2475	-6.3	NA	±20	Average RF
Toluene-d8	50.0	48.7	1.2328	1.2012	-2.6	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**674997
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\032720\P34391.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	11:50:00	
I:\ACQUDATA\msvoa12\Data\032720\P34392.D\	Continuing Calibration Verification	RQ2003022-02	3/27/2020	12:20:00	
I:\ACQUDATA\msvoa12\Data\032720\P34393.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	12:45:00	
I:\ACQUDATA\msvoa12\Data\032720\P34394.D\	Lab Control Sample	RQ2003022-04	3/27/2020	13:07:00	
I:\ACQUDATA\msvoa12\Data\032720\P34396.D\	Method Blank	RQ2003022-05	3/27/2020	14:12:00	
I:\ACQUDATA\msvoa12\Data\032720\P34397.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	14:34:00	
I:\ACQUDATA\msvoa12\Data\032720\P34398.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	15:05:00	
I:\ACQUDATA\msvoa12\Data\032720\P34399.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	15:26:00	
I:\ACQUDATA\msvoa12\Data\032720\P34400.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	15:48:00	
I:\ACQUDATA\msvoa12\Data\032720\P34401.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	16:10:00	
I:\ACQUDATA\msvoa12\Data\032720\P34402.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	16:31:00	
I:\ACQUDATA\msvoa12\Data\032720\P34403.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	16:53:00	
I:\ACQUDATA\msvoa12\Data\032720\P34404.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	17:15:00	
I:\ACQUDATA\msvoa12\Data\032720\P34405.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	17:37:00	
I:\ACQUDATA\msvoa12\Data\032720\P34406.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	17:59:00	
I:\ACQUDATA\msvoa12\Data\032720\P34407.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	18:20:00	
I:\ACQUDATA\msvoa12\Data\032720\P34408.D\	TB 032520	R2002580-001	3/27/2020	19:04:00	
I:\ACQUDATA\msvoa12\Data\032720\P34409.D\	FB 032520	R2002580-005	3/27/2020	19:26:00	
I:\ACQUDATA\msvoa12\Data\032720\P34410.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	19:47:00	
I:\ACQUDATA\msvoa12\Data\032720\P34411.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	20:09:00	
I:\ACQUDATA\msvoa12\Data\032720\P34412.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	20:31:00	
I:\ACQUDATA\msvoa12\Data\032720\P34414.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	21:14:00	
I:\ACQUDATA\msvoa12\Data\032720\P34416.D\	MW-17 032620	R2002580-008	3/27/2020	21:58:00	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**674997
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\032720\P34417.D\	DUP032620	R2002580-010	3/27/2020	22:19:00	
I:\ACQUDATA\msvoa12\Data\032720\P34418.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	22:41:00	
I:\ACQUDATA\msvoa12\Data\032720\P34419.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	23:03:00	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**675104
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\033020\P34423.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	10:25:00	
I:\ACQUDATA\msvoa12\Data\033020\P34424.D\	Continuing Calibration Verification	RQ2003069-02	3/30/2020	10:55:00	
I:\ACQUDATA\msvoa12\Data\033020\P34425.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	11:24:00	
I:\ACQUDATA\msvoa12\Data\033020\P34426.D\	Lab Control Sample	RQ2003069-04	3/30/2020	11:46:00	
I:\ACQUDATA\msvoa12\Data\033020\P34428.D\	Method Blank	RQ2003069-05	3/30/2020	12:37:00	
I:\ACQUDATA\msvoa12\Data\033020\P34429.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	12:59:00	
I:\ACQUDATA\msvoa12\Data\033020\P34430.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	13:28:00	
I:\ACQUDATA\msvoa12\Data\033020\P34431.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	13:50:00	
I:\ACQUDATA\msvoa12\Data\033020\P34432.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	14:12:00	
I:\ACQUDATA\msvoa12\Data\033020\P34433.D\	MW-16 032620	R2002580-007	3/30/2020	14:34:00	
I:\ACQUDATA\msvoa12\Data\033020\P34434.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	14:55:00	
I:\ACQUDATA\msvoa12\Data\033020\P34435.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	15:17:00	
I:\ACQUDATA\msvoa12\Data\033020\P34436.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	15:39:00	
I:\ACQUDATA\msvoa12\Data\033020\P34437.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	16:01:00	
I:\ACQUDATA\msvoa12\Data\033020\P34439.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	16:44:00	
I:\ACQUDATA\msvoa12\Data\033020\P34440.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	17:06:00	
I:\ACQUDATA\msvoa12\Data\033020\P34441.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	17:28:00	
I:\ACQUDATA\msvoa12\Data\033020\P34442.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	17:50:00	
I:\ACQUDATA\msvoa12\Data\033020\P34443.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	18:11:00	
I:\ACQUDATA\msvoa12\Data\033020\P34445.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	18:55:00	
I:\ACQUDATA\msvoa12\Data\033020\P34447.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	19:38:00	
I:\ACQUDATA\msvoa12\Data\033020\P34448.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	20:00:00	
I:\ACQUDATA\msvoa12\Data\033020\P34450.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	20:43:00	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: **Analysis Lot:**675104
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\033020\P34451.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	21:05:00	
I:\ACQUDATA\msvoa12\Data\033020\P34452.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	21:27:00	
I:\ACQUDATA\msvoa12\Data\033020\P34453.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	21:49:00	

Analysis: 8260 waters | Analyst: K. Quest | pH strips: 207519 | Tune Method: W012120

Date: 3/27/2020 | Balance ID: N/A | ResCl strips: 101019E | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 205000 | LIMS Run#: 674997

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							P34386		↑ SO2
2	↓							P34387		
3	TUNE							P34388	YT	10:21 (auto)
1	CCV							P34389	(N)	↓ BM - start over
1	high gas							P34390	—	
2	TUNE		RQ2003027.01					P34391	YT	(auto) 11:50
1	CCV		02					P34392	YC	
1	LCS.FP		03					P34393	YD	
2	LCS.ump		04					P34394	YD	* 110CE↑ 8260
1	BLK		—					P34395	(N)	rpt 4/D
2	mBLK.ump		05					P34396	YB	
3	mBLK.FP		06					P34397	YB	
1	R2002497.001	1.0	—	19917	2	1	<2	P34398	Y	
2	↓ 002	1.0	—	↓	↓	1	<2	P34399	Y	
3	↓ 004	1.0	(Residual Cl.)	↓	↓	1	<2	P34400	Y	
4	R2002584.006	1.0	neg	11868	2	1	(5)	P34401	Y	
5	↓ 003	2.5	20/50mls neg	↓	↓	C-1	(6)	P34402	Y	
6	R2002614.006	1.0	neg			1	(5)	P34403	Y	
7	↓ 003	2.5	20/50mls neg	↓	↓	C-1	(6)	P34404	Y	
8	R2002587.001	1.0	—	9434	2	1	<2	P34405	Y	chloroform only
9	R2002602.003	1.0	neg	20564	2	1	6	P34406	Y	
10	↓ 001	5.0	10/50mls neg	↓	↓	1	7	P34407	Y	chloroform only - high T. form
(YA) 12	R2002580.001	1.0	—	7979	4	1	4	P34408	Y	
13	↓ 005	1.0	—	↓		1	4	P34409	Y	
14	006	1.0	—	66646		1	<2	P34410	Y	
15	009	1.0	—			1	<2	P34411	Y	
16	002	1.0	—			1	<2	P34412	(Y)	110CE hit, rpt 5.0 (cis, TCE)
17	003	1.0	—			1	<2	P34413	(N)	rpt 1.0 c/o
18	004	1.0	—	↓		1	<2	P34414	Y	
19	007	1.0	—	7979		1	6	P34415	(Y)	rpt 1.0 110CE
20	008	1.0	—	↓		1	7	P34416	Y	
21	010	1.0	—	↓	↓	1	6	P34417	Y	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr: —

Surrogate 50 : 207522

Internal Std 50 : 207524

Reagents: —

500 Primary Occ+ : 207301

Primary Fr+ : 208134 — 5ul → 50mls

Primary T6 : 207936 — =CCV

Primary HSL : 207967

Primary —

200 Secondary Fr+ : 207701 - 5ul — 10.6uL

500 Secondary Occ+ : 208206

Secondary T6 : 208099 — 2ml — 50mls =LCS

Secondary HSL : 207874

Secondary —

4.2uL → 42ml vial = MS/D

Analysis: _____ Analyst: _____ pH strips: _____ Tune Method: _____

Date: 3/27/2020 - cont'd Balance ID: _____ ResCl strips: _____ Run Method: _____

Instr. _____ 50 mL Class A used for dilution FV Syringes: _____ LIMS Run# : _____

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
22	R2002602-001	5.0	10/50mls	20564	2	1	7	P34418	YQ	RunQC
23	↓ 001	5.0	↓	↓	↓	1	7	P34419	YQ	↓
24	BLK (MB)							P34420	—	
25	~~BLK (MB)~~					—	—	———	—	
(1)	BLK					—	—	P34407A	—	

EOD

MB 3/27/2020

All samples = _____mL + _____uL combined IS/Surr. _____mL purged

Combined IS/Surr :_____

Surrogate :_____

Internal Std :_____

Reagents:

Primary :_____ Secondary :_____

Primary :_____ Secondary :_____

Primary :_____ Secondary :_____

Primary :_____ Secondary :_____

Primary :_____ Secondary :_____

R2002584 - C03

SPDES Outfall 020 VOC Compositing for MPM Silicones Lab

flow rate weighted

	020
Start Time	3/24/20 8:00 AM
End Time	3/25/20 8:00 AM
Sample Volume Required	100 ml

Sample Period Start Time	020 Sample No.	020 Grab period hours	020 Sample Volume Required (ml)
3/24/20 8:00 AM	1	4.0	**16.4**
3/24/20 12:00 PM	2	4.3	**17.8**
3/24/20 4:15 PM	3	3.8	**15.9**
3/24/20 8:00 PM	4	4.0	**17.0**
3/25/20 12:00 AM	5	4.0	**17.0**
3/25/20 4:00 AM	6	4.0	**15.8**
3/25/20 8:00 AM	End Time		

Total sample size ml 100.00

Comp. per above
ICR 3/27/2020

R2002614. 003

SPDES Outfall 020 VOC Compositing for MPM Silicones Lab

flow rate weighted

	020
Start Time	3/25/20 8:00 AM
End Time	3/26/20 8:00 AM
Sample Volume Required	100 ml

Sample Period Start Time	020 Sample No.	020 Grab period hours	020 Sample Volume Required (ml)
3/25/20 8:00 AM	1	4.0	**16.4**
3/25/20 12:00 PM	2	4.0	**16.8**
3/25/20 4:00 PM	3	4.0	**16.9**
3/25/20 8:00 PM	4	4.0	**16.9**
3/26/20 12:00 AM	5	4.3	**18.1**
3/26/20 4:20 AM	6	3.7	**14.9**
3/26/20 8:00 AM	End Time		

Total sample size ml 100.00

Comp. per above KR 3/27/2020

Analysis: 8260D waters | Analyst: K. Ruest | pH strips: 207519 | Tune Method: W012120

Date: 3/30/2020 | Balance ID: N/A | ResCl strips: ~~N/A~~ 1010191E | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 205000 (YB) | LIMS Run#: 675104

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							P34421		
2	HIGH STD							P34422		
3	TUNE		RQ2003069.01					P34423	YT	(auto) 10:25
1	CCV		02					P34424	YC	
1	LCS.FP		03					P34425	YD	
2	LCS.UNP		04					P34426	YD	
1	BLK		—					P34427	(N)	not c/o
2	MBLK.FP		05					P34428	YB	
3	MBLK.UNP		06					P34429	YB	
1	R2002562.003	1.0		6813	4	1	<2	P34430	Y	
2	001	1.0		↓	↓	1	<2	P34431	Y	
3	002	1.0				1	<2	P34432	Y	
4	R2002580.007	1.0		7979	4	2	6	P34433	Y	
5	003	1.0		6646		2	<2	P34434	Y	
6	002	5.0	10/50mls	↓	↓	2	<2	P34435	(Y)	(DL) cis+TCE
7	R2002624.001	1.0	resid/neg	14250	2	1	(7)	P34436	Y	(MNT's)
8	007	1.0	cl < neg	22002	↓	C-1	(8)	P34437	Y	↓
9	BLK					—	—	P34438	—	
10	R2002561.003	1.0		19638	2	1	<2	P34439	Y	
11	005	1.0				1	<2	P34440	Y	
12	006	1.0				1	<2	P34441	Y	
13	007	1.0				1	<2	P34442	Y	
14	008	1.0				1	<2	P34443	Y	
15	002	5.0	10/50mls			1	<2	P34444	(N)	not 2.5
16	004	5.0	↓	↓	↓	1	<2	P34445	Y	
17	BLK					—	—	P34446	—	
18	R2002514.006	1.0		8768	2	1	<2	P34447	Y	
19	001	1.0				1	<2	P34448	(Y)	not 2.5 TCE
20	003	1.0				1	<2	P34449	(N)	not c/o
21	004	1.0				1	<2	P34450	Y	
22	005	1.0		↓	↓	1	<2	P34451	(Y)	not 2.5 TCE
23	R2002624.007	1.0	mst D	22002	2	C-1	<2	P34452	YD	21:49 ✓
24	↓ 007	All samples = 5 mL + 5 uL combined IS/Surr.						P34453	YD	Combined IS/Surr :
										Surrogate 50 : 207522
										Internal Std 50 : 207524
										Reagents:

500 Primary Acct : 207301
Primary Fr+ : 208734 | 5ml → 50mls
Primary TG : 207936 | = CCV
Primary HSL : 207967
Primary :

200 Secondary Fr+ : 207701 - 5ml
500 Secondary Acct : 208206
Secondary TG : 208099 | 2ml | 50mls = LCS
Secondary HSL : 207874
Secondary :

-10.6ml | 4.2ml ✓ | 42ml vial = MS/D

(25) - BLK - P34454

O-1031 Page 44
Runlog-MSVOAf4 1/17/17

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20 10:30
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	MW-8 032520	**Units:**	ug/L
Lab Code:	R2002580-002	**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)	**2.4**		1.0	0.21	1	03/27/20 20:31	
1,1-Dichloroethane (1,1-DCA)	**3.0**		1.0	0.20	1	03/27/20 20:31	
1,1-Dichloroethene (1,1-DCE)	**5.3**		1.0	0.25	1	03/27/20 20:31	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	03/27/20 20:31	
Trichloroethene (TCE)	**580**	**D**	5.0	1.0	5	03/30/20 15:17	
Vinyl Chloride	**2.2**		1.0	0.20	1	03/27/20 20:31	
cis-1,2-Dichloroethene	**480**	**D**	5.0	1.2	5	03/30/20 15:17	
trans-1,2-Dichloroethene	**8.6**		1.0	0.20	1	03/27/20 20:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/27/20 20:31	
Dibromofluoromethane	94	89 - 119	03/27/20 20:31	
Toluene-d8	99	87 - 121	03/27/20 20:31	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20 11:35
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	MW-10 032520	**Units:**	ug/L
Lab Code:	R2002580-003	**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)	**0.53 J**	1.0	0.21	1	03/30/20 14:55	
1,1-Dichloroethane (1,1-DCA)	**0.47 J**	1.0	0.20	1	03/30/20 14:55	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/30/20 14:55	
Tetrachloroethene (PCE)	**0.42 J**	1.0	0.21	1	03/30/20 14:55	
Trichloroethene (TCE)	**5.8**	1.0	0.20	1	03/30/20 14:55	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/30/20 14:55	
cis-1,2-Dichloroethene	**1.9**	1.0	0.23	1	03/30/20 14:55	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/30/20 14:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/30/20 14:55	
Dibromofluoromethane	92	89 - 119	03/30/20 14:55	
Toluene-d8	97	87 - 121	03/30/20 14:55	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/25/20 12:35
Sample Matrix:	Water	**Date Received:**	03/26/20 07:30
Sample Name:	MW-9 032520	**Units:**	ug/L
Lab Code:	R2002580-004	**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	0.21	1	03/27/20 21:14	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	03/27/20 21:14	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.25	1	03/27/20 21:14	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	03/27/20 21:14	
Trichloroethene (TCE)	**6.5**		1.0	0.20	1	03/27/20 21:14	
Vinyl Chloride	1.0	U	1.0	0.20	1	03/27/20 21:14	
cis-1,2-Dichloroethene	**0.34**	**J**	1.0	0.23	1	03/27/20 21:14	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	03/27/20 21:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/27/20 21:14	
Dibromofluoromethane	93	89 - 119	03/27/20 21:14	
Toluene-d8	98	87 - 121	03/27/20 21:14	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	TB 032620	**Units:**	ug/L
Lab Code:	R2002580-006	**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	0.21	1	03/27/20 19:47	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 19:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 19:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 19:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 19:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 19:47	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 19:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 19:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/27/20 19:47	
Dibromofluoromethane	92	89 - 119	03/27/20 19:47	
Toluene-d8	98	87 - 121	03/27/20 19:47	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2002580
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	03/26/20 11:00
Sample Matrix:	Water	**Date Received:**	03/27/20 07:40
Sample Name:	FB 032620	**Units:**	ug/L
Lab Code:	R2002580-009	**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	0.21	1	03/27/20 20:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	03/27/20 20:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.25	1	03/27/20 20:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	03/27/20 20:09	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	03/27/20 20:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	03/27/20 20:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	03/27/20 20:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	03/27/20 20:09	

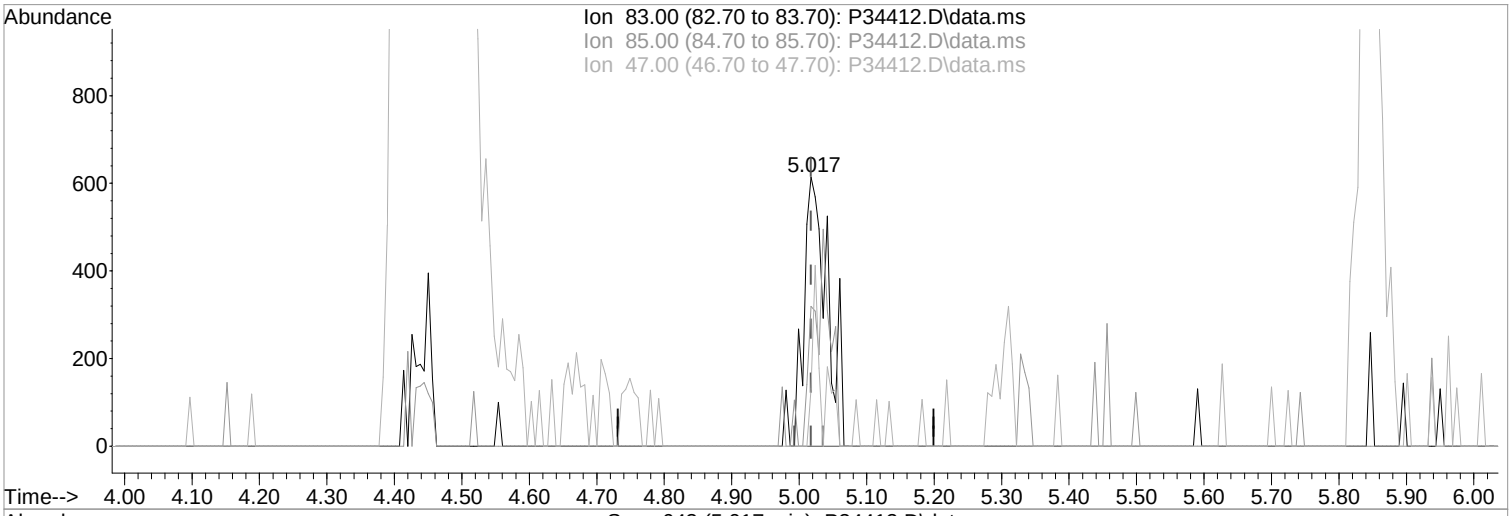
Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	03/27/20 20:09	
Dibromofluoromethane	90	89 - 119	03/27/20 20:09	
Toluene-d8	97	87 - 121	03/27/20 20:09	

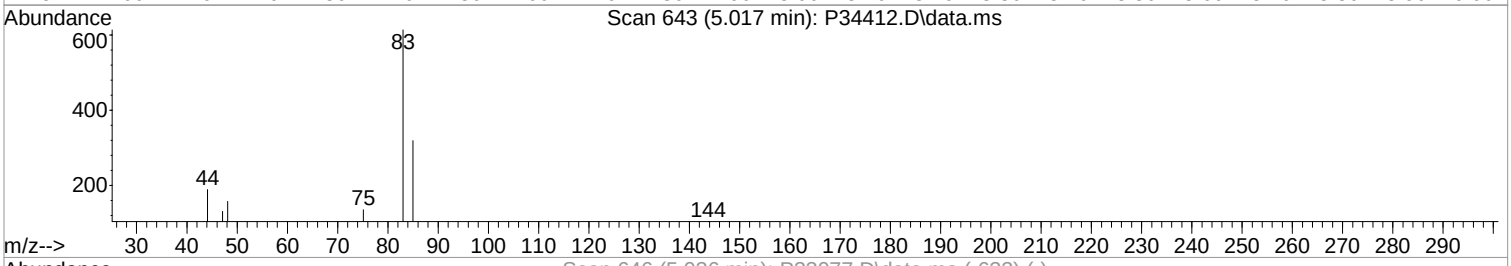
1st 03/31/20
2nd 04/02/20

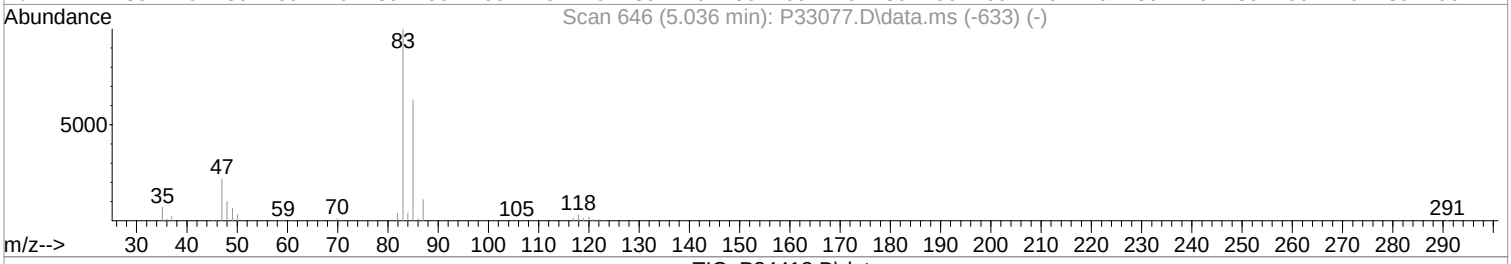
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34412.D
Acq On : 27 Mar 2020 8:31 pm
Operator : K.Ruest
Sample : R2002580-002|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 30 10:23:56 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34412.D\data.ms

(40) Chloroform (P)

5.017min (-0.000) 0.28 ppb m

response 1476

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	51.95
47.00	21.60	21.34
0.00	0.00	0.00

Manual Integration:

After

Split Peak

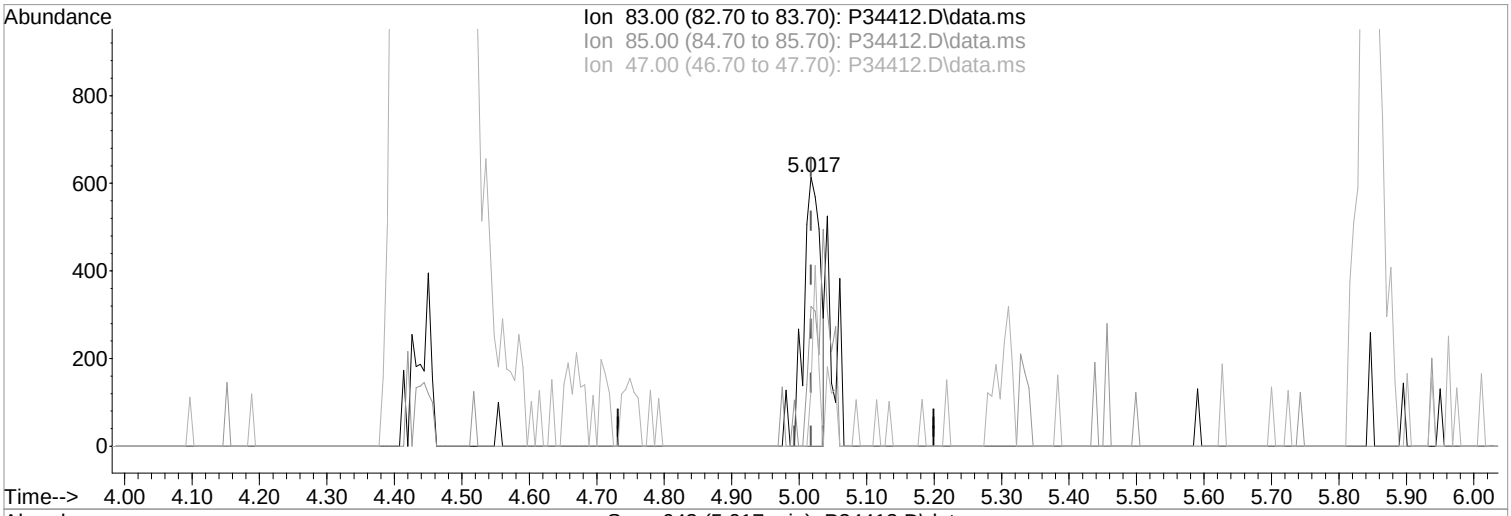
03/31/20

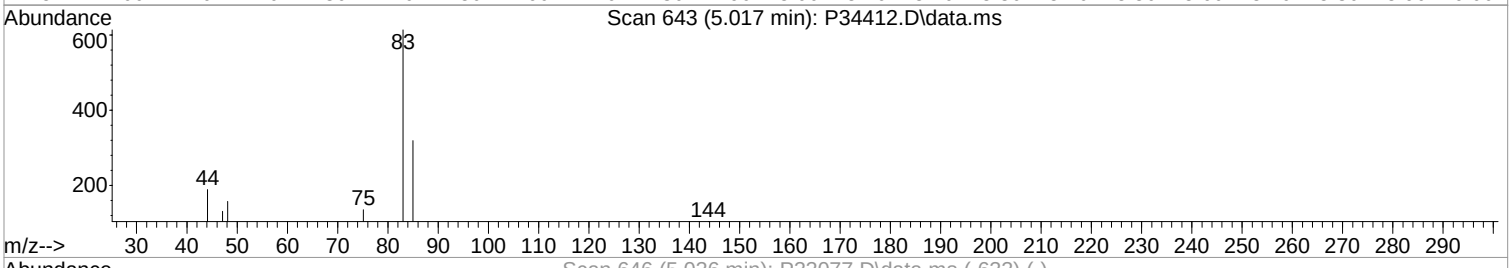
1st 03/31/20
2nd 04/02/20

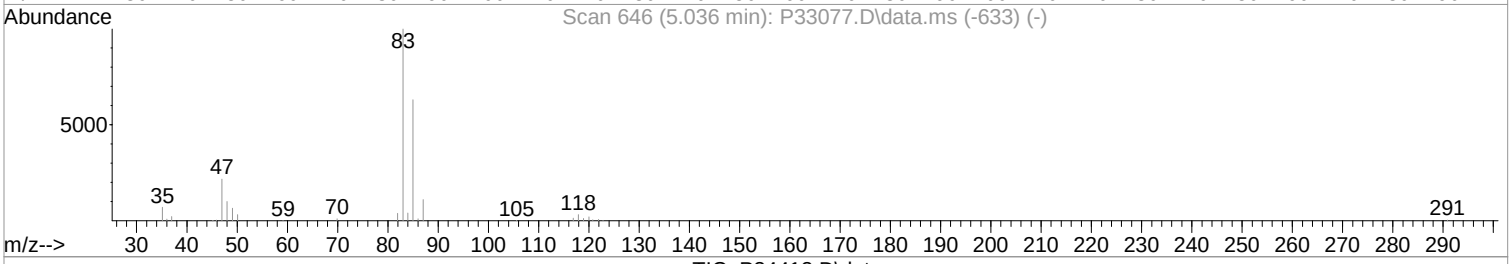
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34412.D
Acq On : 27 Mar 2020 8:31 pm
Operator : K.Ruest
Sample : R2002580-002|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 30 10:23:56 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34412.D\data.ms

(40) Chloroform (P)

5.017min (-0.000) 0.20 ppb

response 1054

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	51.95
47.00	21.60	21.34
0.00	0.00	0.00

Manual Integration:

Before

03/31/20

1st 03/31/20
2nd 04/02/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34412.D
Acq On : 27 Mar 2020 8:31 pm
Operator : K.Ruest
Sample : R2002580-002|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 16 Sample Multiplier: 1

repeat 5.0

Quant Time: Mar 31 16:42:57 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

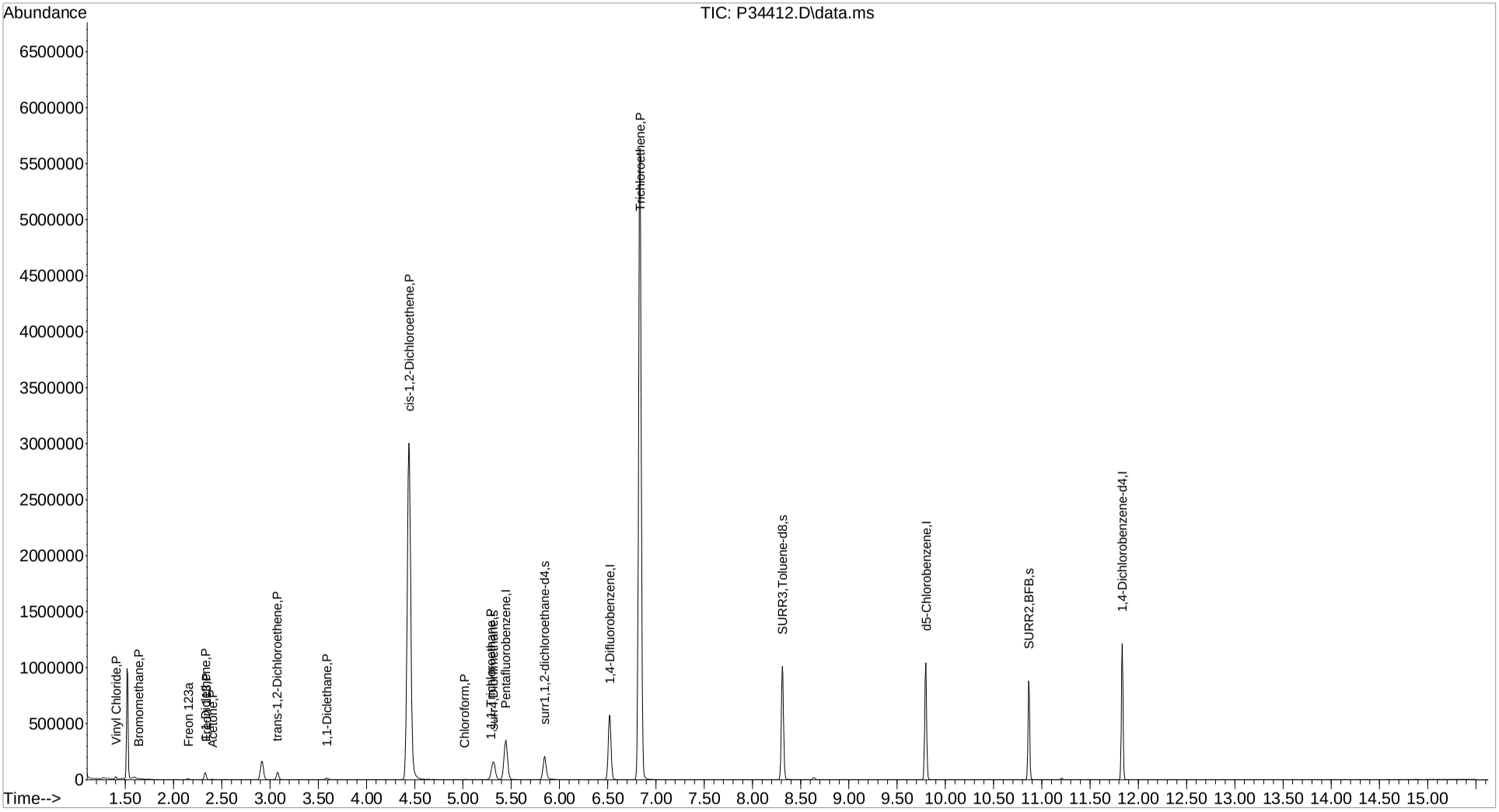
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)	
Internal Standards								
1) Pentafluorobenzene	5.444	168	350247	50.00	ppb		0.00	
43) 1,4-Difluorobenzene	6.523	114	530112	50.00	ppb		0.00	
71) d5-Chlorobenzene	9.797	117	466487	50.00	ppb		0.00	
86) 1,4-Dichlorobenzene-d4	11.833	152	249856	50.00	ppb		0.00	
System Monitoring Compounds								
45) surr4,Dibrflmethane	5.316	113	132208	47.22	ppb		0.00	
Spiked Amount 50.000	Range 89 - 119		Recovery = 94.44%					
48) surr1,1,2-dichloroetha...	5.846	65	166169	48.94	ppb		0.00	
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.88%					
65) SURR3,Toluene-d8	8.309	98	644472	49.31	ppb		0.00	
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.62%					
70) SURR2,BFB	10.864	95	233320	46.23	ppb		0.00	
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.46%					
Target Compounds							Qvalue	
4) Vinyl Chloride	1.402	62	9666	2.18	ppb		88	
5) Bromomethane	1.634	94	1636	0.48	ppb		88	
10) Freon 123a	2.152	67	4687	1.47	ppb		94	
13) 1,1-Diclethene	2.329	96	14378	5.26	ppb	#	81	
14) Freon 113	2.335	101	6529	2.54	ppb	#	77	
15) Acetone	2.402	43	4299	2.92	ppb		87	
26) trans-1,2-Dichloroethene	3.073	96	25984	8.59	ppb		91	
28) 1,1-Diclethane	3.585	63	15884	3.03	ppb		94	
34) cis-1,2-Dichloroethene	4.438	96	1866603	530.73	ppb		97	E-Over Calibration
40) Chloroform	5.017	83	1476m	0.28	ppb			
41) 1,1,1-Trichloroethane	5.292	97	9998	2.40	ppb		96	
54) Trichloroethene	6.834	130	2112168	633.33	ppb		98	E-Over Calibration

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

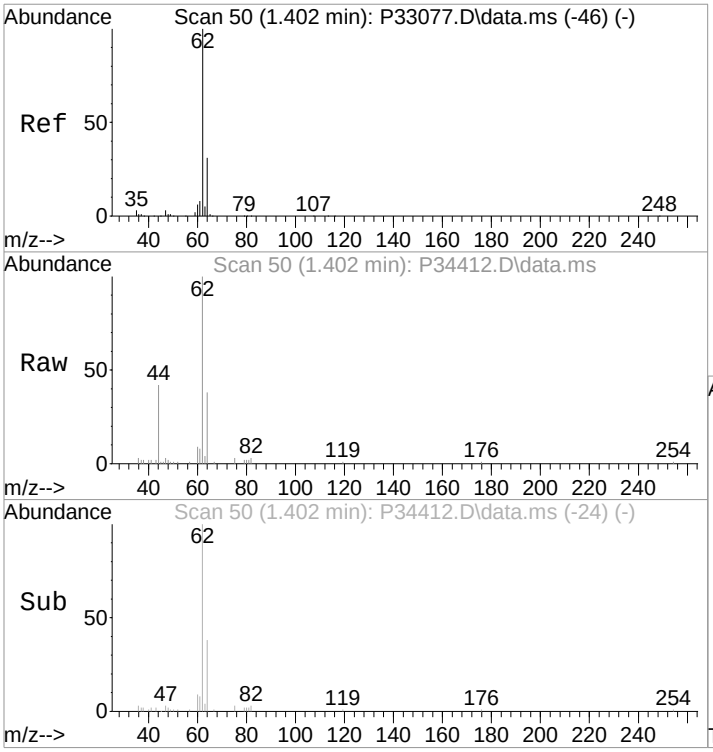
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34412.D
Acq On : 27 Mar 2020 8:31 pm
Operator : K.Ruest
Sample : R2002580-002|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 16:42:57 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



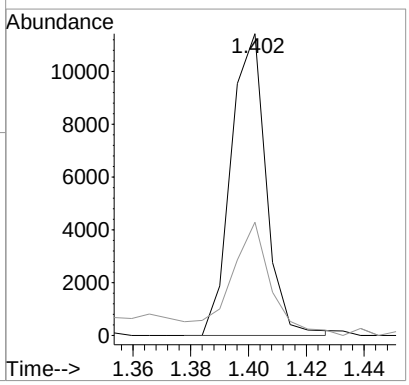
1st 03/31/20
2nd 04/02/20

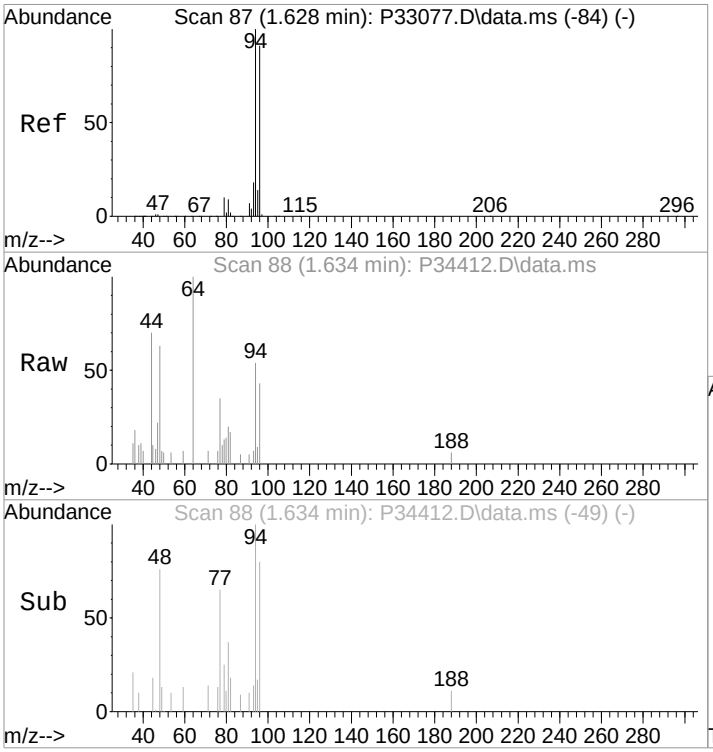


#4
Vinyl Chloride
Concen: 2.18 ppb
RT: 1.402 min Scan# 50
Delta R.T. 0.012 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 62 Resp: 9666

Ion	Ratio	Lower	Upper
62	100		
64	37.6	10.8	50.8

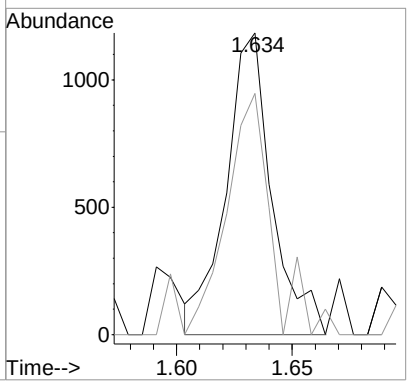


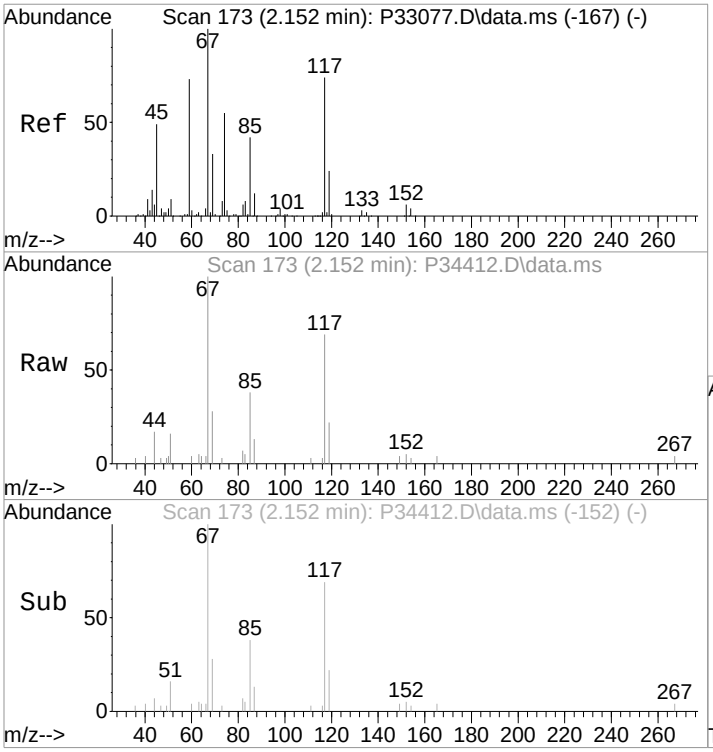


#5
Bromomethane
Concen: 0.48 ppb
RT: 1.634 min Scan# 88
Delta R.T. 0.012 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 94 Resp: 1636

Ion	Ratio	Lower	Upper
94	100		
96	79.9	71.1	111.1

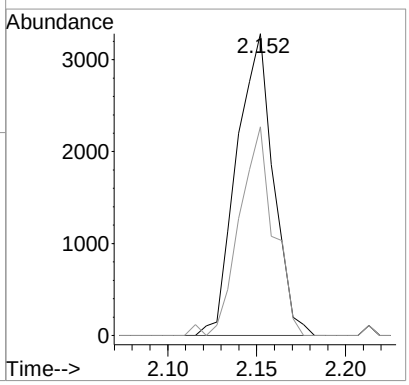


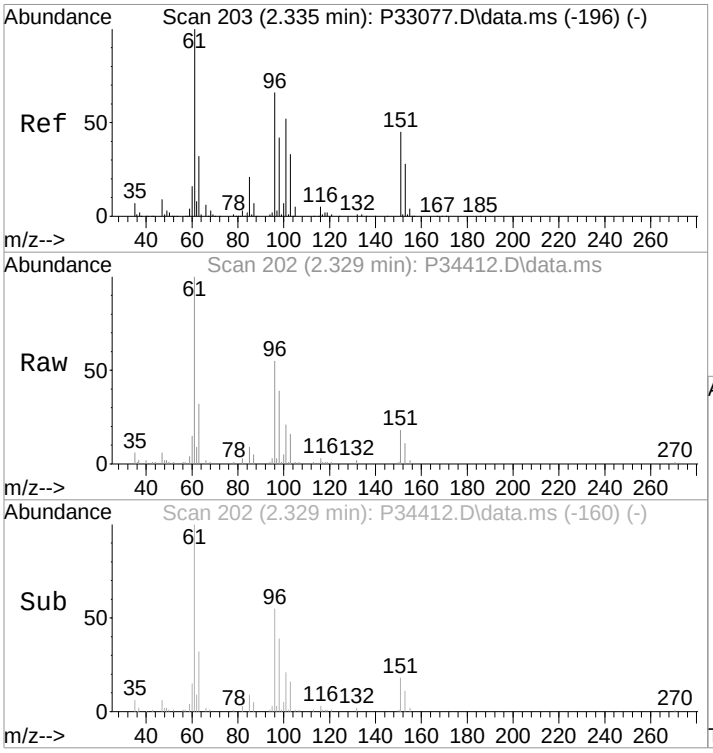


#10
Freon 123a
Concen: 1.47 ppb
RT: 2.152 min Scan# 173
Delta R.T. 0.012 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 67 Resp: 4687

Ion	Ratio	Lower	Upper
67	100		
117	69.1	53.9	93.9

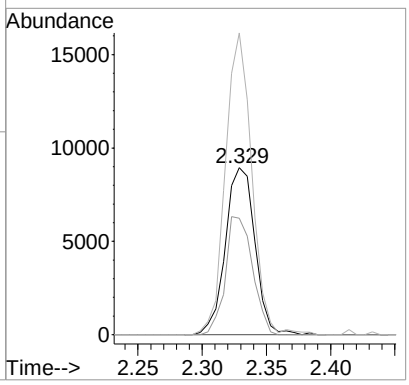


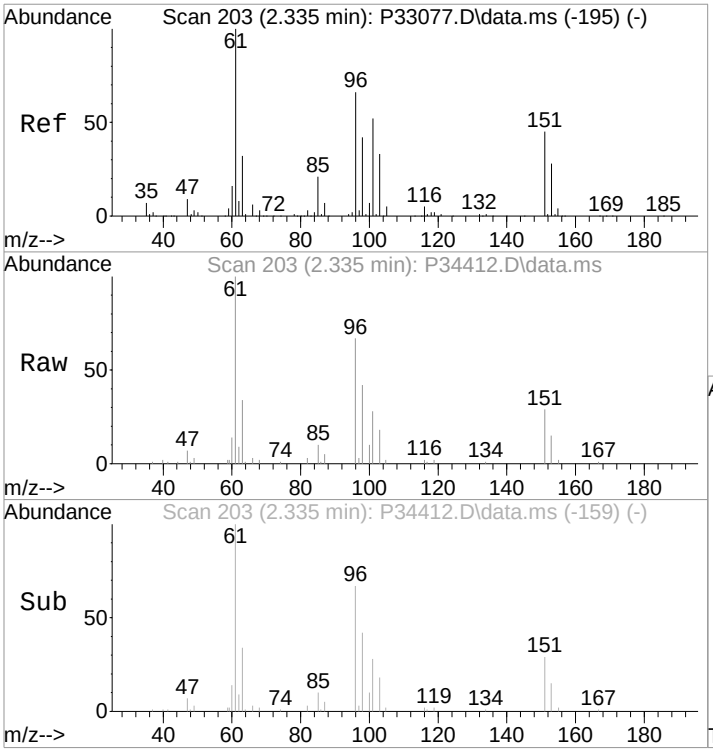


#13
1,1-Diclethene
Concen: 5.26 ppb
RT: 2.329 min Scan# 202
Delta R.T. 0.006 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 96 Resp: 14378

Ion	Ratio	Lower	Upper
96	100		
98	69.7	43.5	83.5
61	180.8	131.4	171.4#

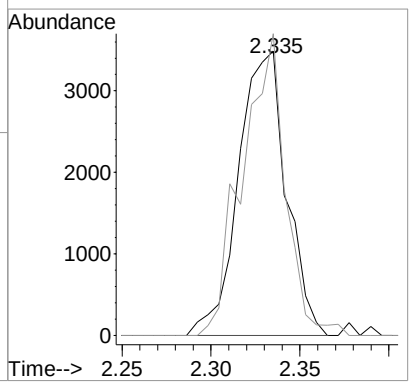


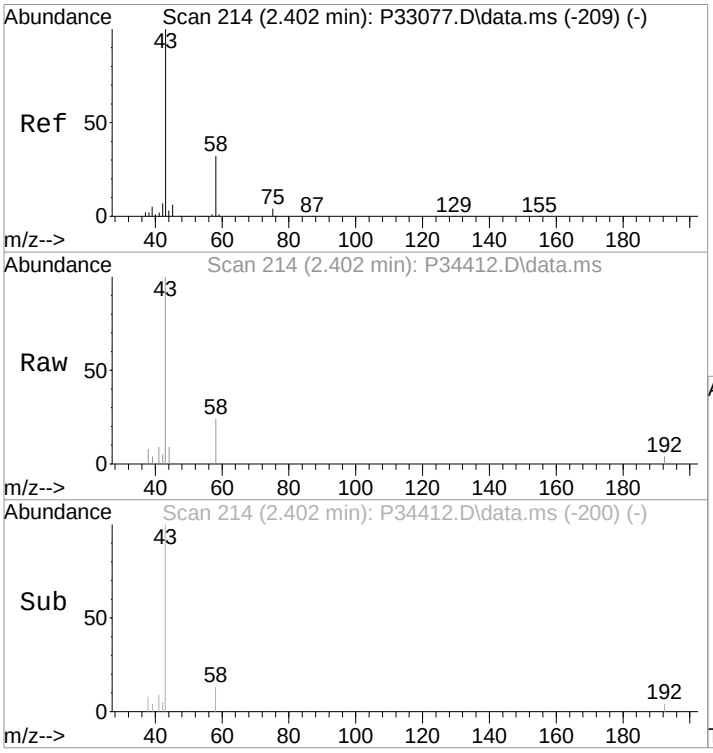


#14
Freon 113
Concen: 2.54 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion:101 Resp: 6529

Ion	Ratio	Lower	Upper
101	100		
151	106.1	65.2	105.2#

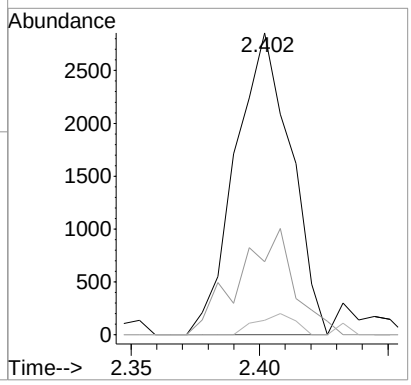


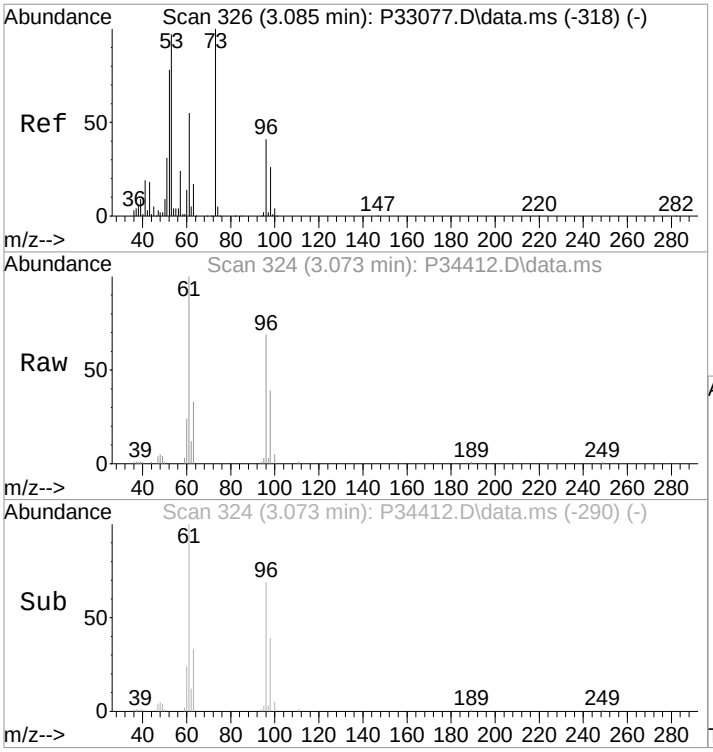


#15
Acetone
Concen: 2.92 ppb
RT: 2.402 min Scan# 214
Delta R.T. 0.012 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 43 Resp: 4299

Ion	Ratio	Lower	Upper
43	100		
58	24.2	12.3	52.3
42	4.8	0.0	27.0

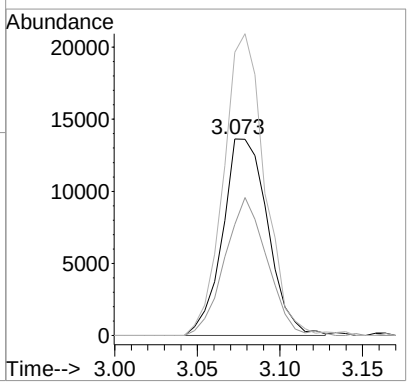


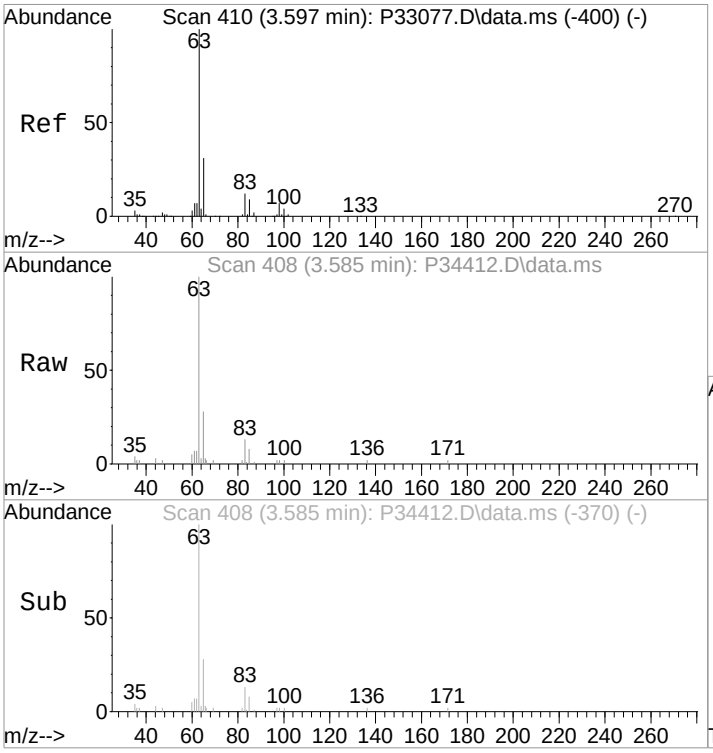


#26
trans-1,2-Dichloroethene
Concen: 8.59 ppb
RT: 3.073 min Scan# 324
Delta R.T. -0.000 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 96 Resp: 25984

Ion	Ratio	Lower	Upper
96	100		
98	56.5	44.0	84.0
61	144.1	113.0	153.0

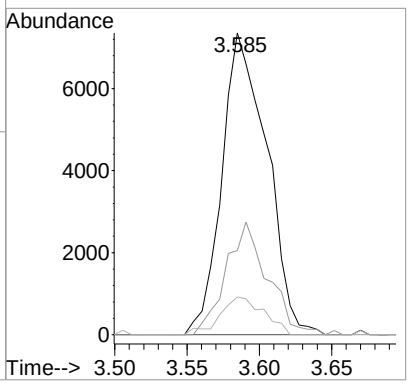


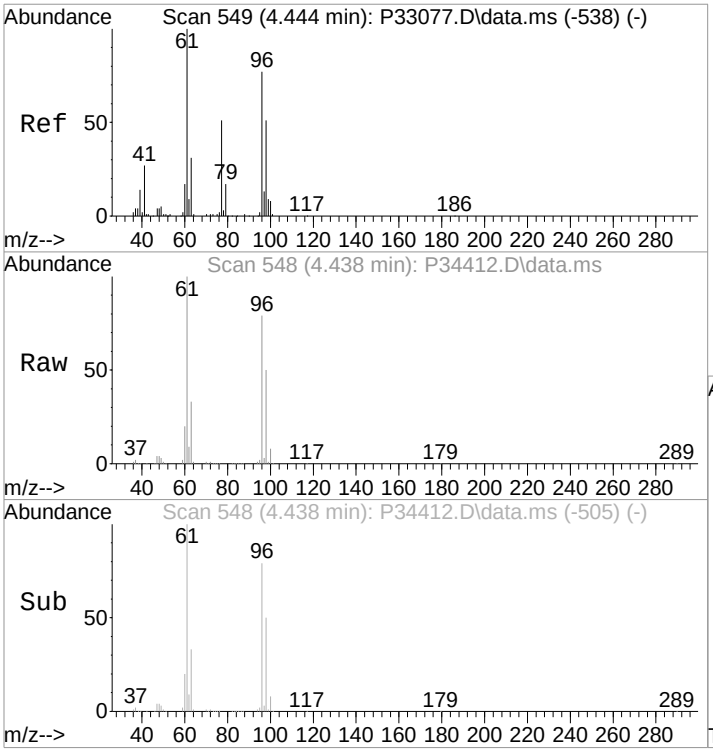


#28
1,1-Diclethane
Concen: 3.03 ppb
RT: 3.585 min Scan# 408
Delta R.T. 0.006 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 63 Resp: 15884

Ion	Ratio	Lower	Upper
63	100		
65	27.9	11.4	51.4
83	14.0	0.0	32.4

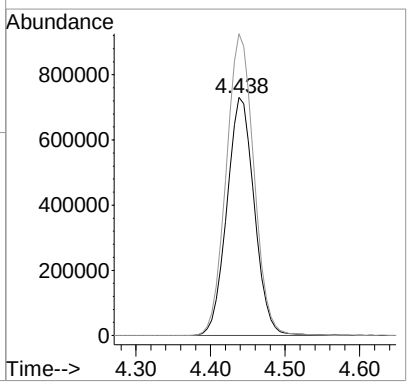


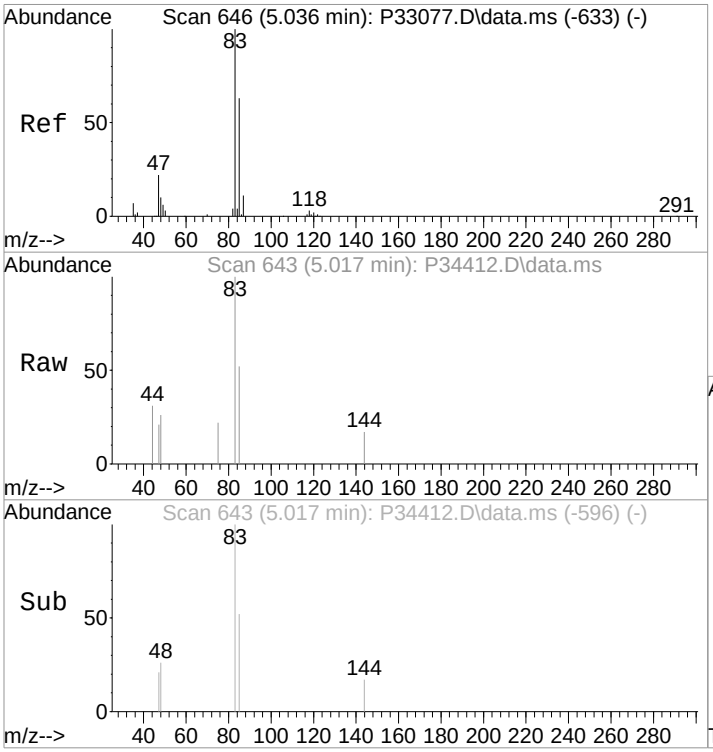


#34
cis-1,2-Dichloroethene
Concen: 530.73 ppb
RT: 4.438 min Scan# 548
Delta R.T. 0.006 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 96 Resp: 1866603

Ion	Ratio	Lower	Upper
96	100		
61	126.8	110.1	150.1

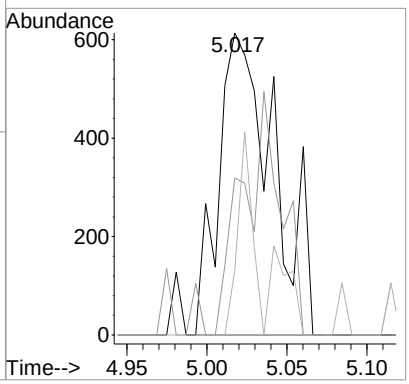


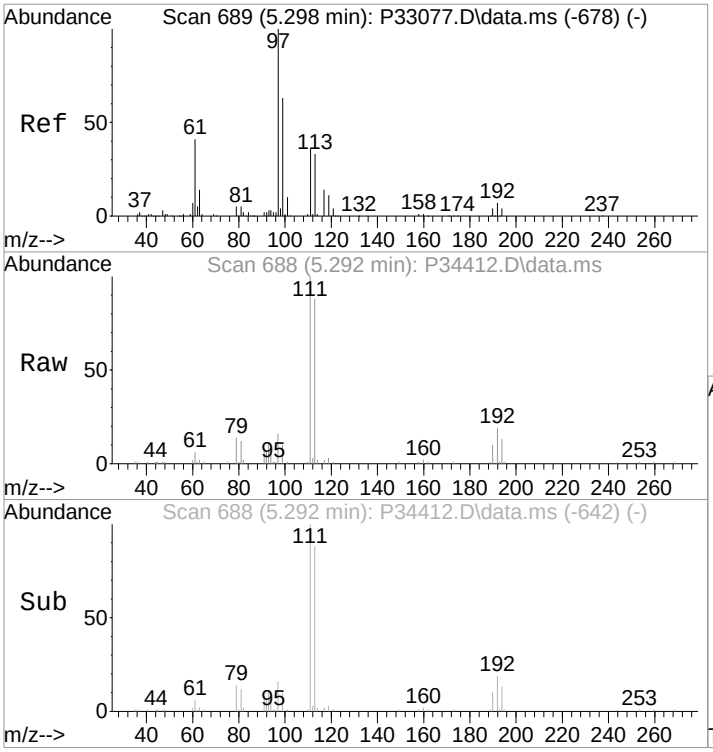


#40
Chloroform
Concen: 0.28 ppb m
RT: 5.017 min Scan# 643
Delta R.T. -0.000 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 83 Resp: 1476

Ion	Ratio	Lower	Upper
83	100		
85	52.0	43.0	83.0
47	21.3	1.6	41.6

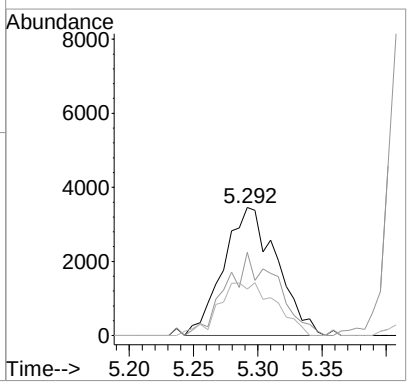


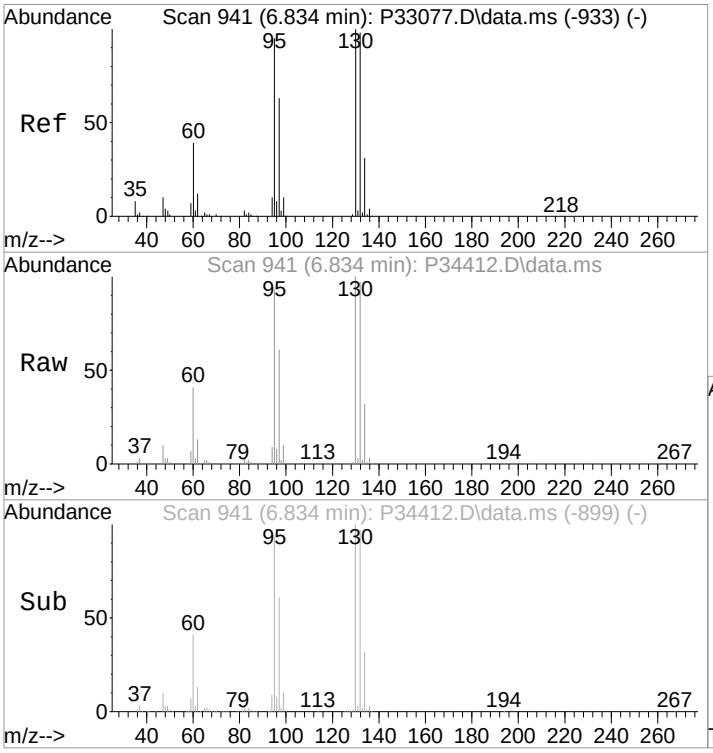


#41
1,1,1-Trichloroethane
Concen: 2.40 ppb
RT: 5.292 min Scan# 688
Delta R.T. -0.000 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion: 97 Resp: 9998

Ion	Ratio	Lower	Upper
97	100		
99	65.2	43.2	83.2
61	36.4	20.9	60.9

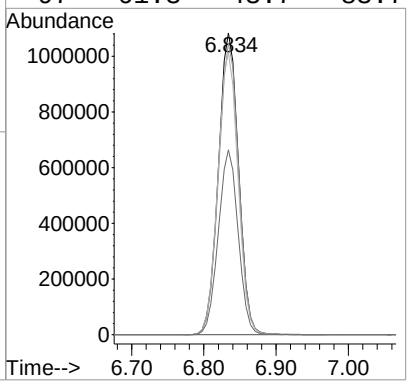




#54
Trichloroethene
Concen: 633.33 ppb
RT: 6.834 min Scan# 941
Delta R.T. 0.006 min
Lab File: P34412.D
Acq: 27 Mar 2020 8:31 pm

Tgt Ion:130 Resp: 2112168

Ion	Ratio	Lower	Upper
130	100		
132	96.7	78.5	118.5
95	93.4	74.5	114.5
97	61.3	43.7	83.7

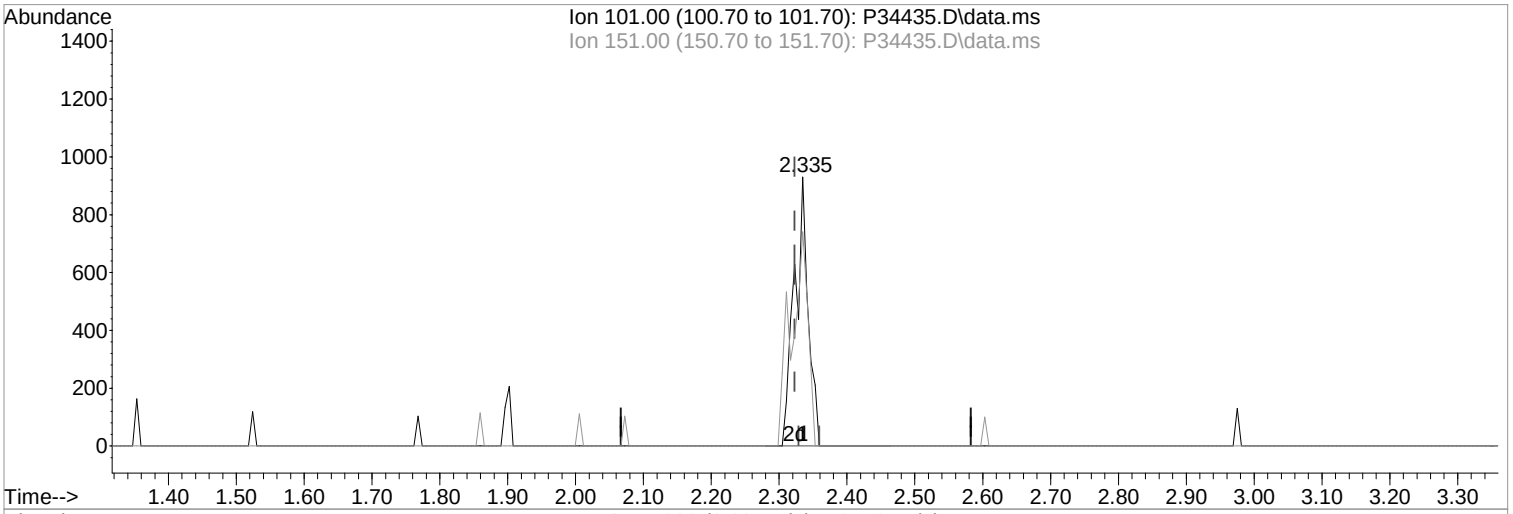


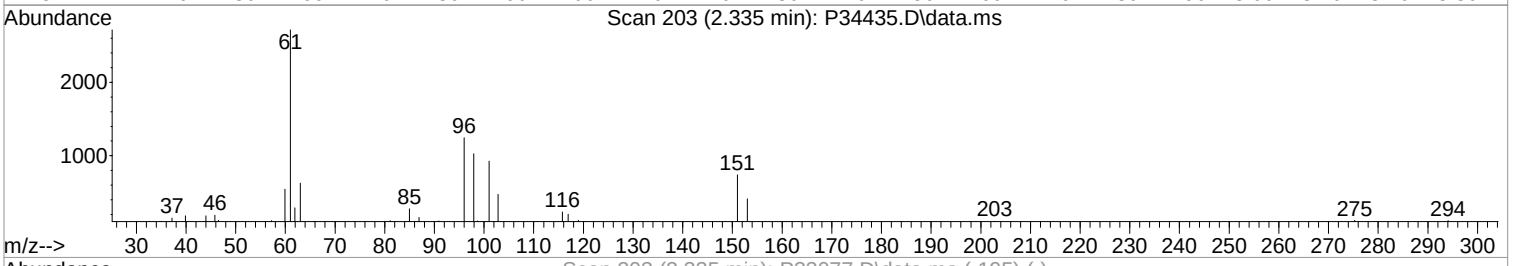
1st 04/01/20
2nd 04/03/20

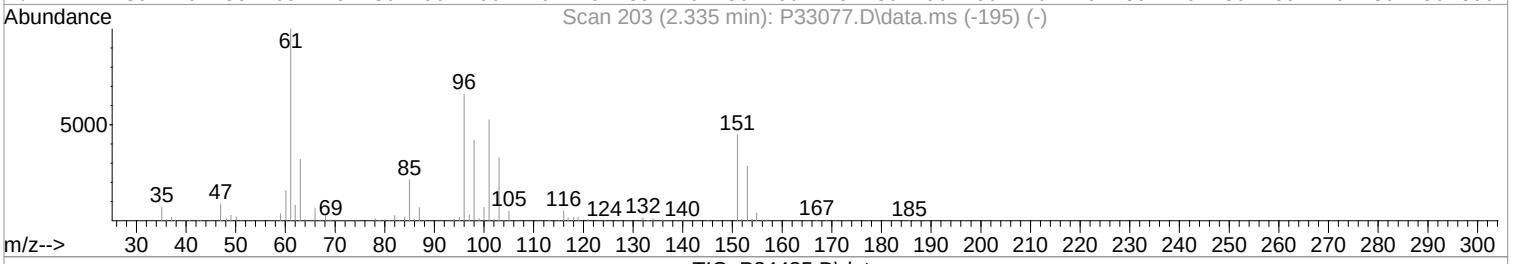
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 15:54:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34435.D\data.ms

(14) Freon 113 (P)

2.335min (+0.012) 0.52 ppb m

response 1322

Ion	Exp%	Act%
101.00	100	100
151.00	85.20	79.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

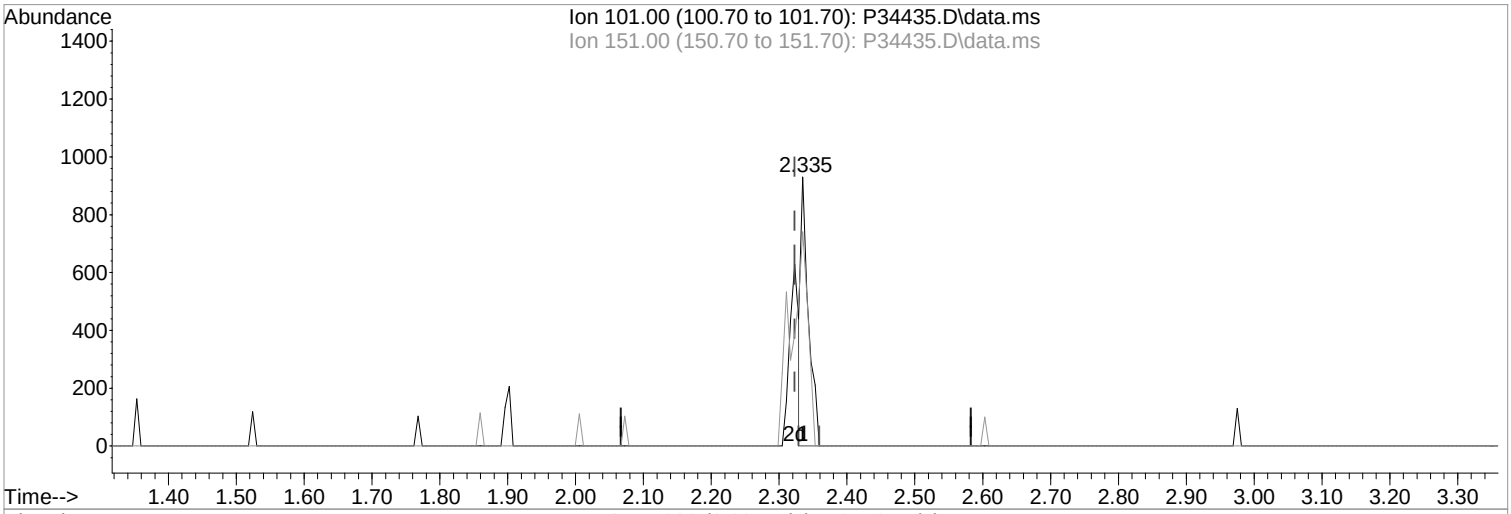
Split Peak

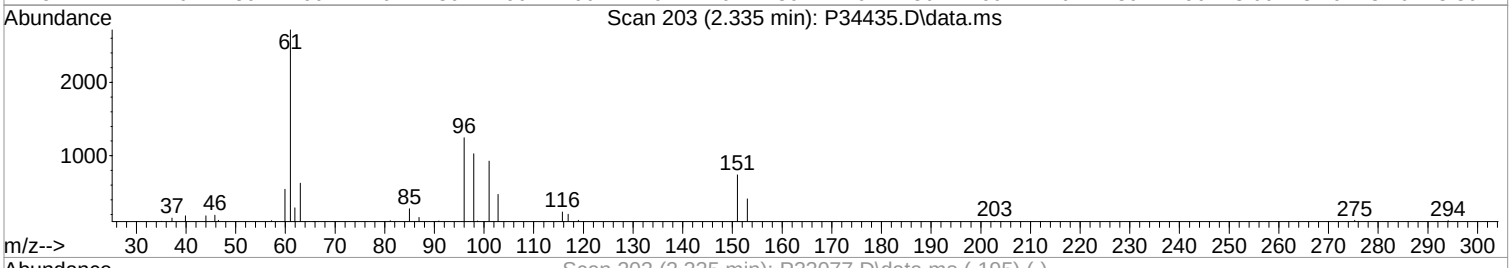
04/01/20

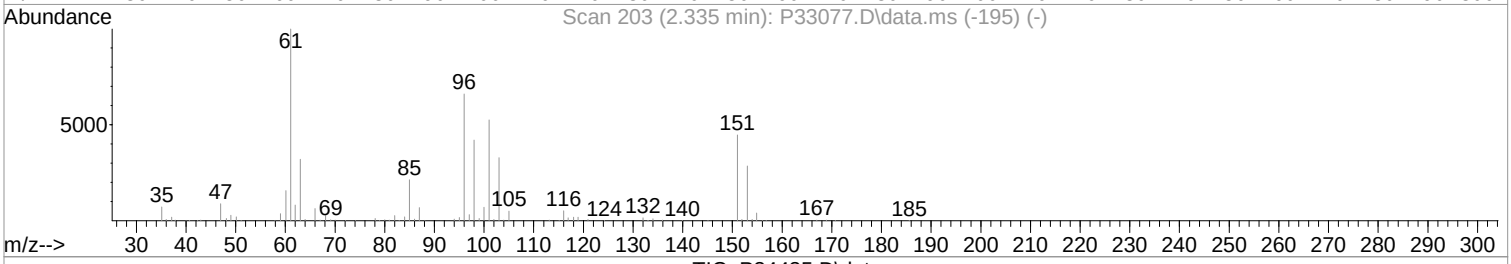
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 15:54:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34435.D\data.ms

(14) Freon 113 (P)

2.335min (+0.012) 0.28 ppb

response 716

Ion	Exp%	Act%
101.00	100	100
151.00	85.20	79.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

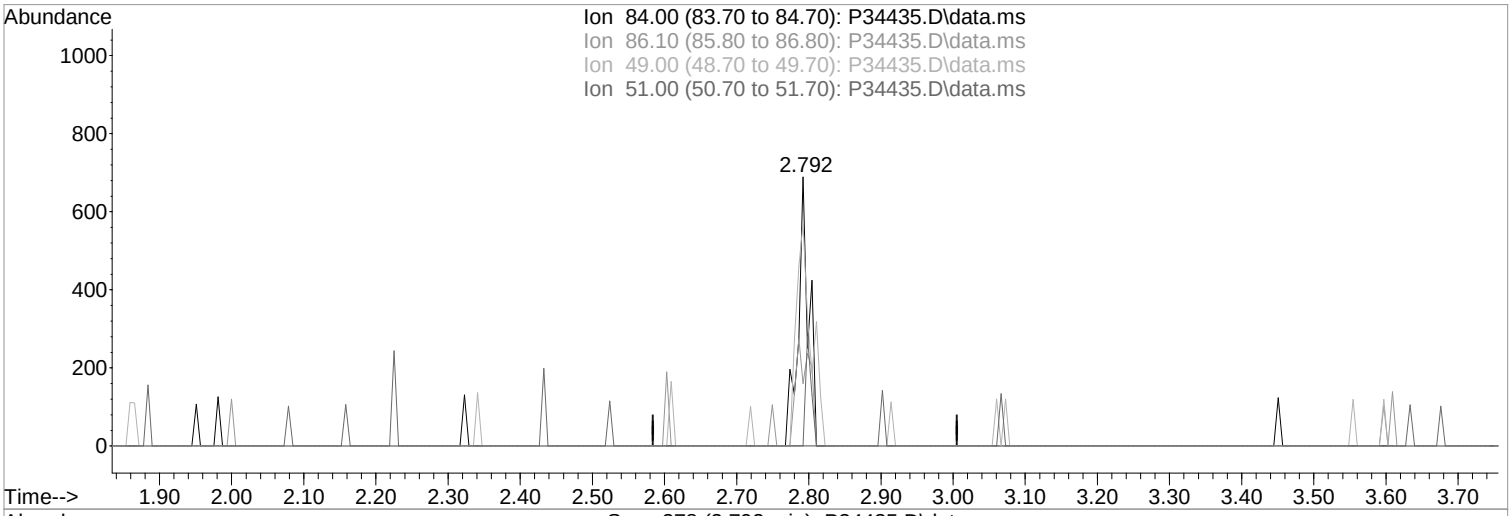
04/01/20

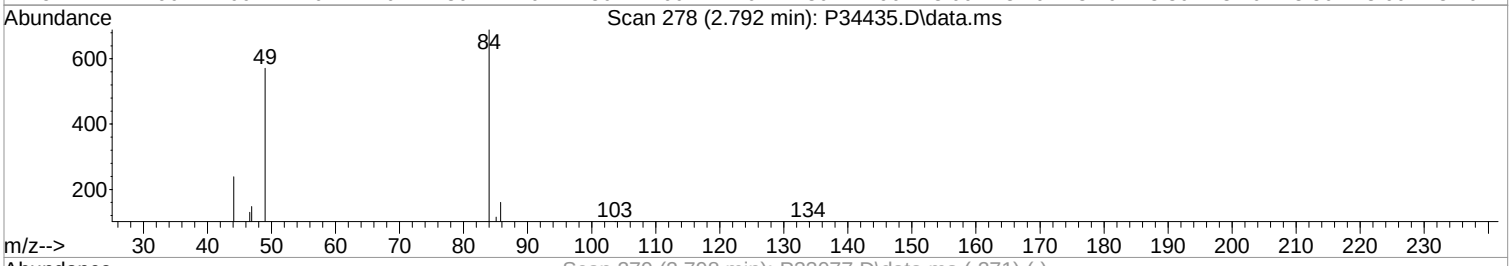
1st 04/01/20
2nd 04/03/20

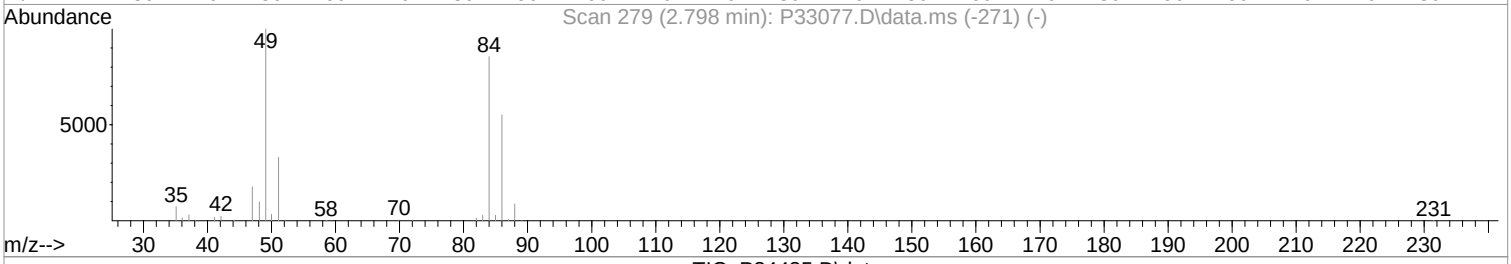
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 15:54:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34435.D\data.ms

(22) Methylene Chloride (P)

2.792min (+0.006) 0.21 ppb m

response 719

Ion	Exp%	Act%
84.00	100	100
86.10	64.50	23.22#
49.00	116.80	82.87#
51.00	38.50	0.00#

Manual Integration:

After

Peak not found.

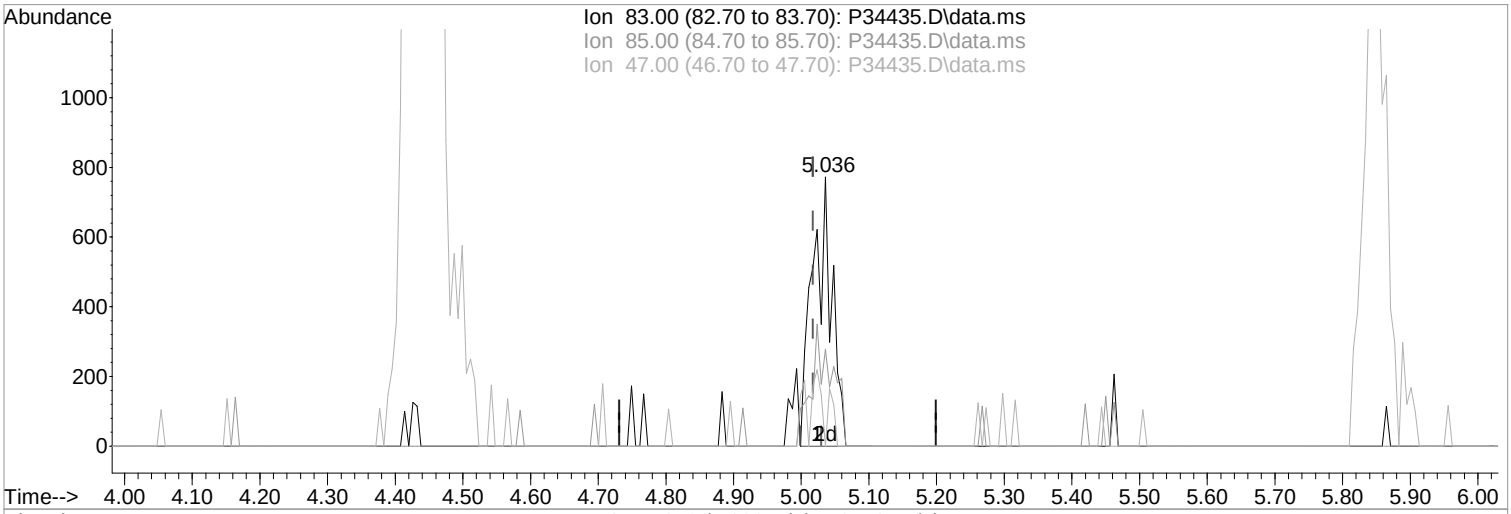
04/01/20

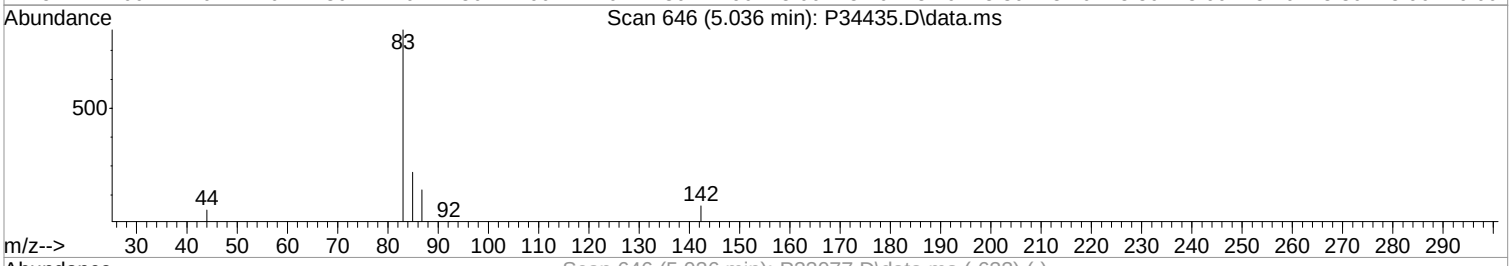
1st 04/01/20
2nd 04/03/20

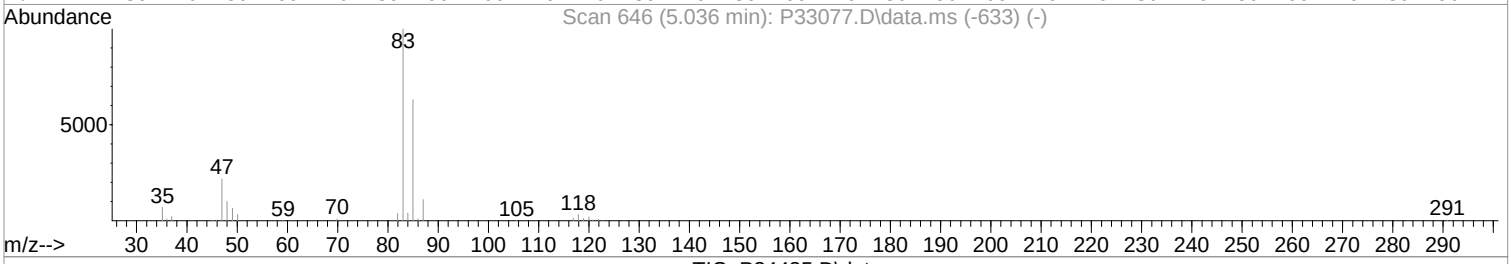
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 15:54:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34435.D\data.ms

(40) Chloroform (P)

5.036min (+0.018) 0.29 ppb m

response 1522

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	36.01#
47.00	21.60	0.00#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

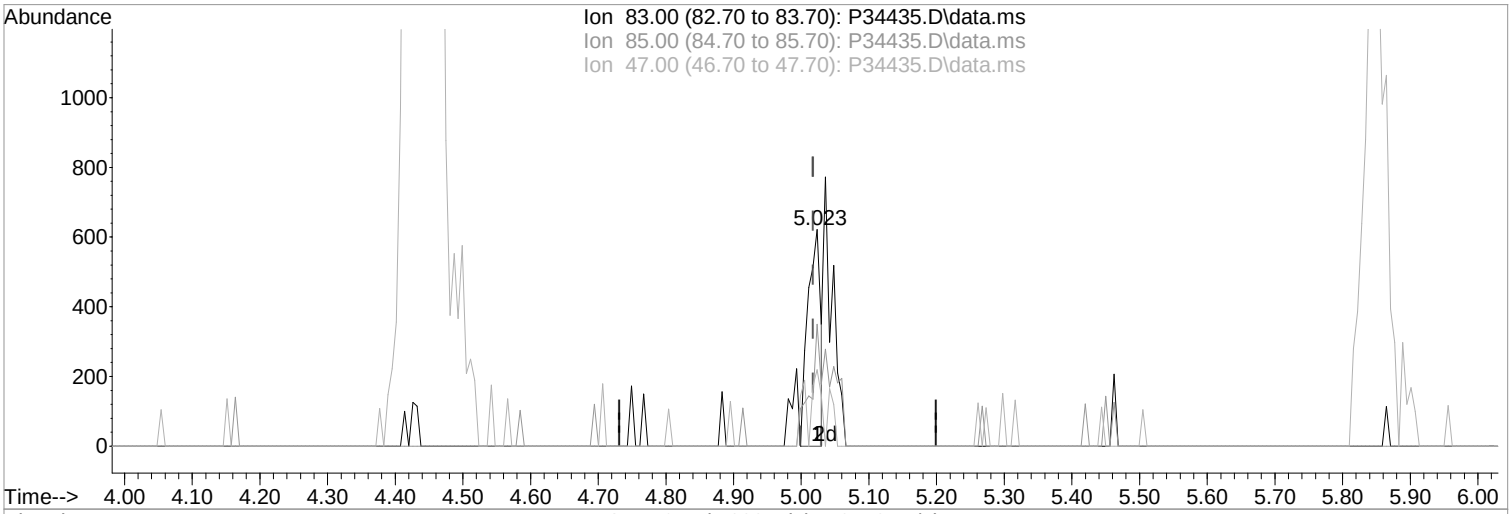
04/01/20

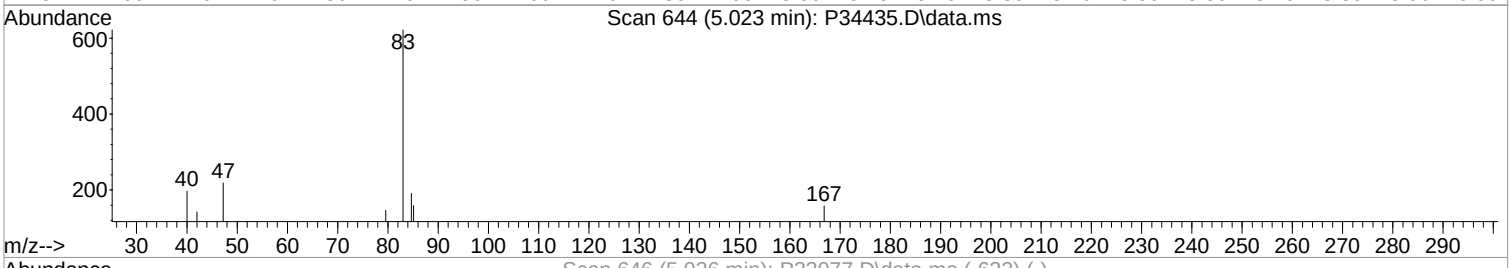
1st 04/01/20
2nd 04/03/20

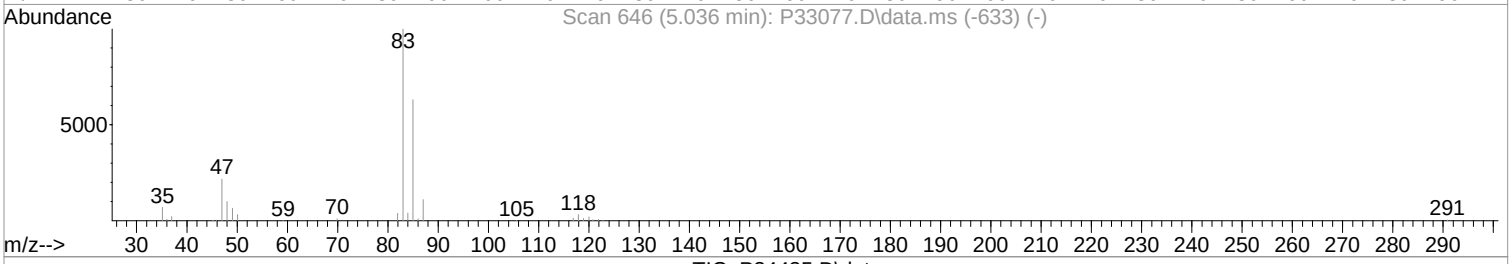
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 15:54:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34435.D\data.ms

(40) Chloroform (P)

5.023min (+0.006) 0.15 ppb

response 810

Ion	Exp%	Act%
83.00	100	100
85.00	63.00	56.27
47.00	21.60	35.21
0.00	0.00	0.00

Manual Integration:

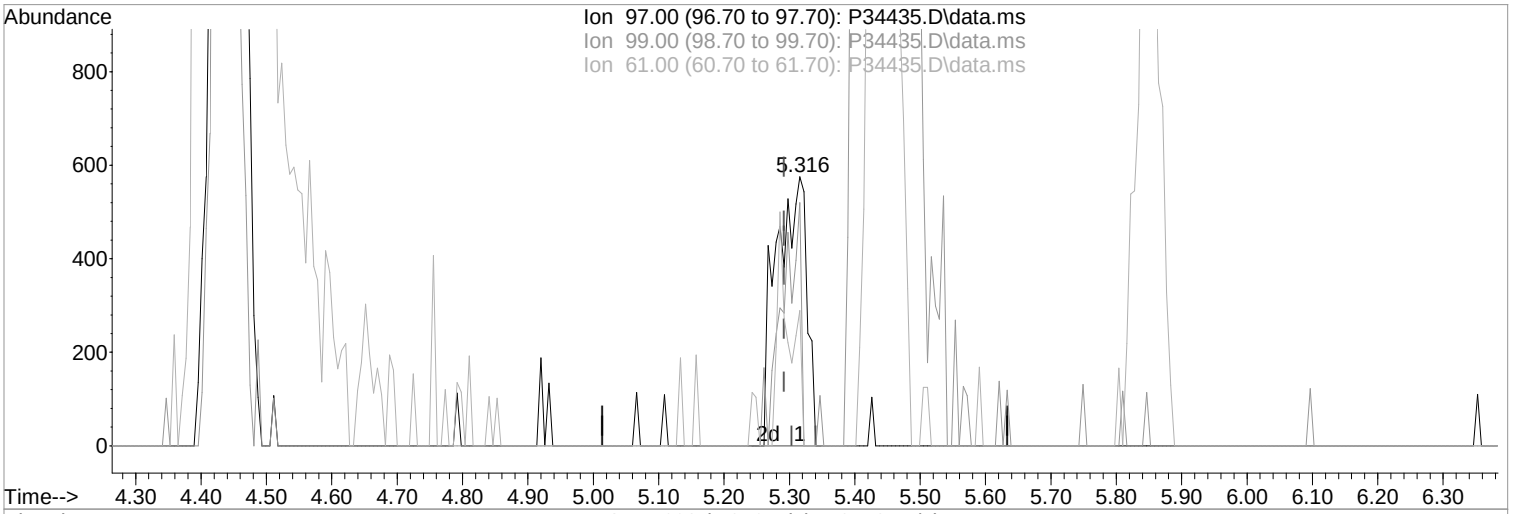
Before

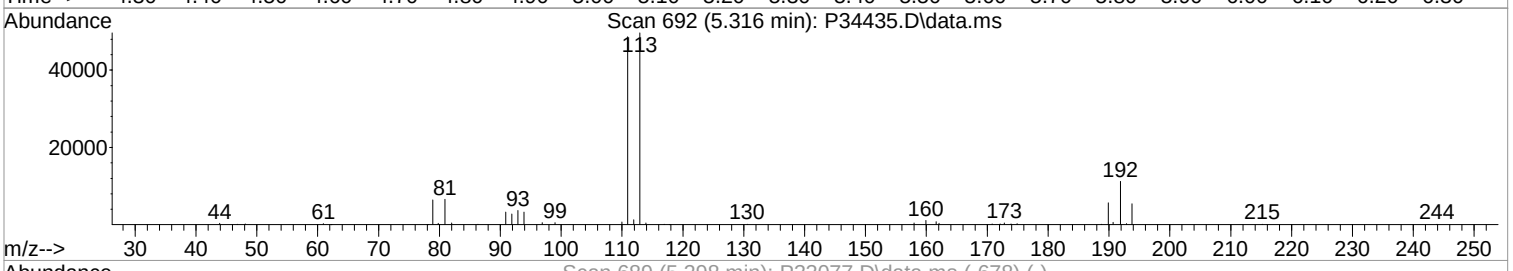
04/01/20

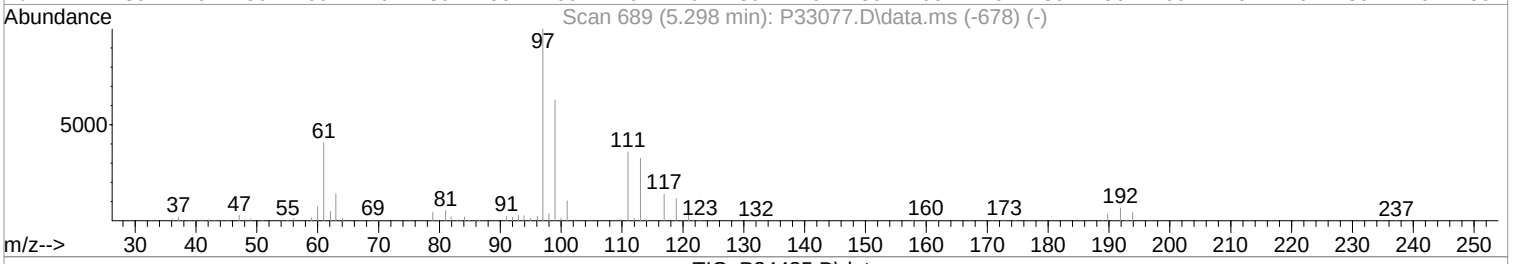
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 15:54:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34435.D\data.ms

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

5.316min (+0.024) 0.46 ppb m

response 1868

Ion	Exp%	Act%
97.00	100	100
99.00	63.20	90.43#
61.00	40.90	50.26
0.00	0.00	0.00

Manual Integration:

After

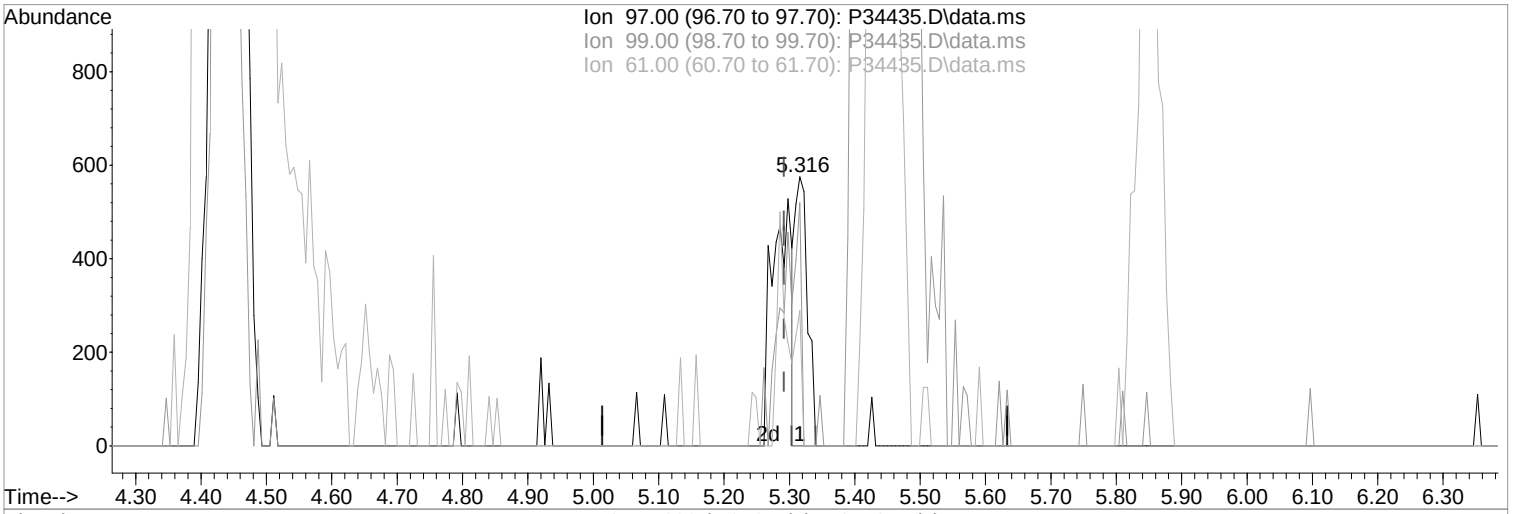
Split Peak

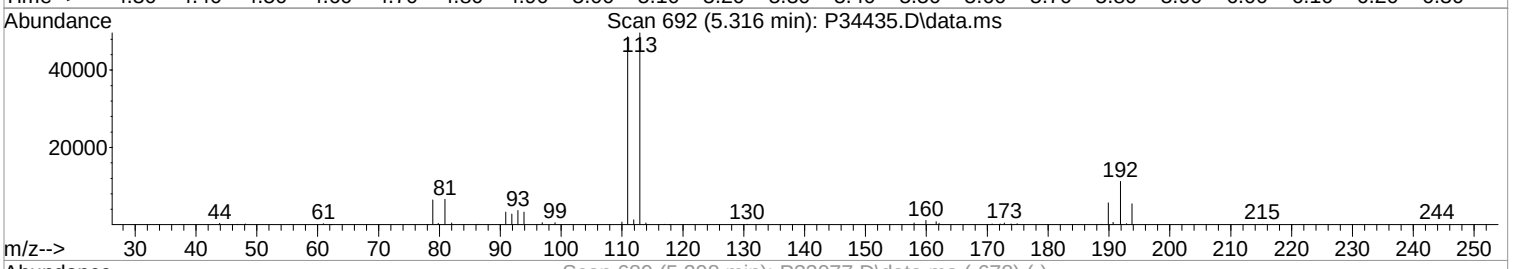
04/01/20

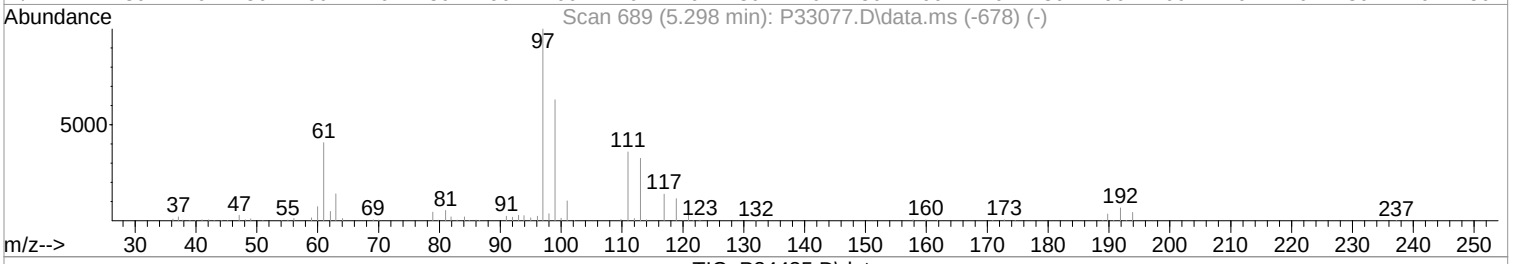
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 15:54:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34435.D\data.ms

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

5.316min (+0.024) 0.19 ppb

response 768

Ion	Exp%	Act%
97.00	100	100
99.00	63.20	90.43#
61.00	40.90	50.26
0.00	0.00	0.00

Manual Integration:

Before

04/01/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

DL

Quant Time: Apr 01 17:53:36 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

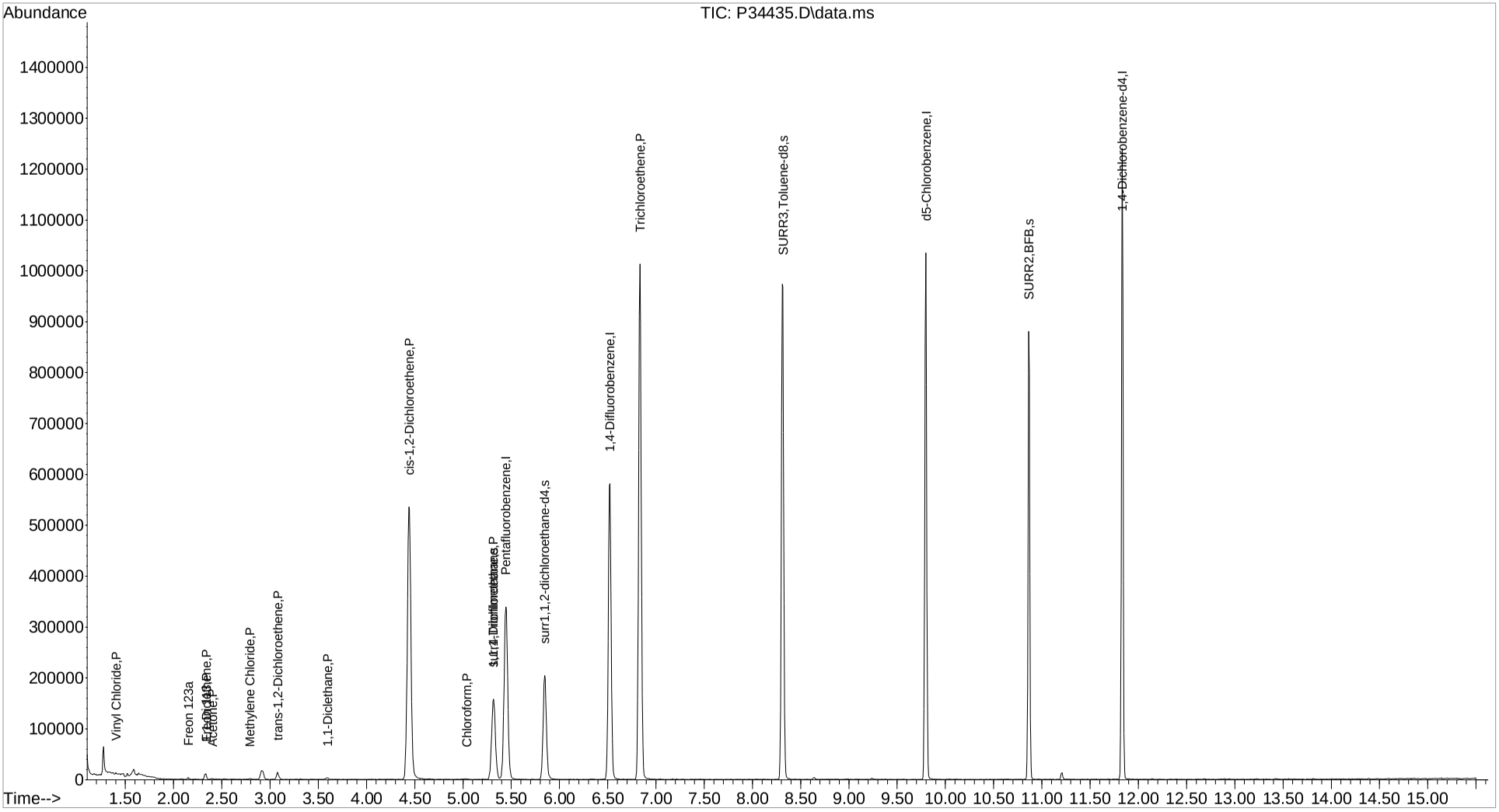
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	344054	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	531486	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	465666	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	253718	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	132772	47.30	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 94.60%				
48) surr1,1,2-dichloroetha...	5.846	65	167709	49.26	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.52%				
65) SURR3,Toluene-d8	8.315	98	638581	48.73	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.46%				
70) SURR2,BFB	10.864	95	228641	45.19	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.38%				
Target Compounds							Qvalue
4) Vinyl Chloride	1.402	62	1950	0.45	ppb	#	1
10) Freon 123a	2.152	67	1235	0.39	ppb		97
13) 1,1-Diclethene	2.335	96	1926	0.72	ppb	#	53
14) Freon 113	2.335	101	1322m	0.52	ppb		
15) Acetone	2.402	43	1806	1.25	ppb		87
22) Methylene Chloride	2.792	84	719m	0.21	ppb		
26) trans-1,2-Dichloroethene	3.079	96	5184	1.75	ppb	#	86
28) 1,1-Diclethane	3.597	63	3130	0.61	ppb		87
34) cis-1,2-Dichloroethene	4.438	96	332655	96.29	ppb		98
40) Chloroform	5.036	83	1522m	0.29	ppb		
41) 1,1,1-Trichloroethane	5.316	97	1868m	0.46	ppb		
54) Trichloroethene	6.834	130	385104	115.17	ppb		95

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

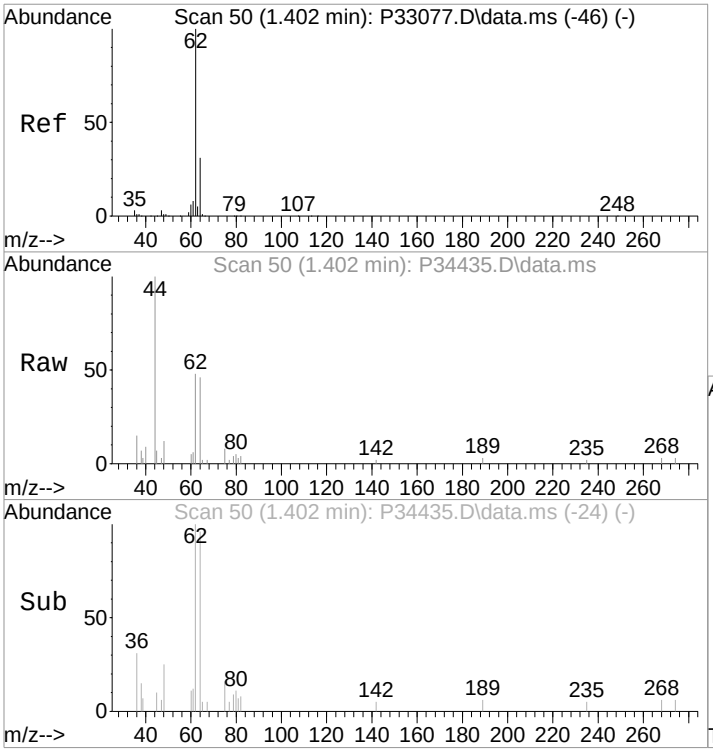
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34435.D
Acq On : 30 Mar 2020 3:17 pm
Operator : K.Ruest
Sample : R2002580-002|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 01 17:53:36 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



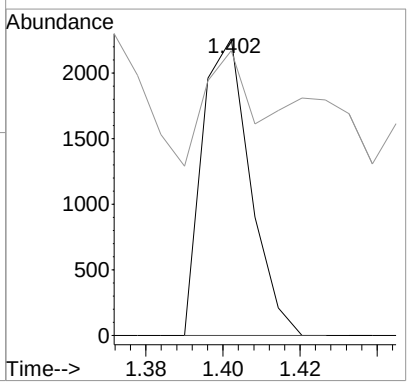
1st 04/01/20
2nd 04/03/20

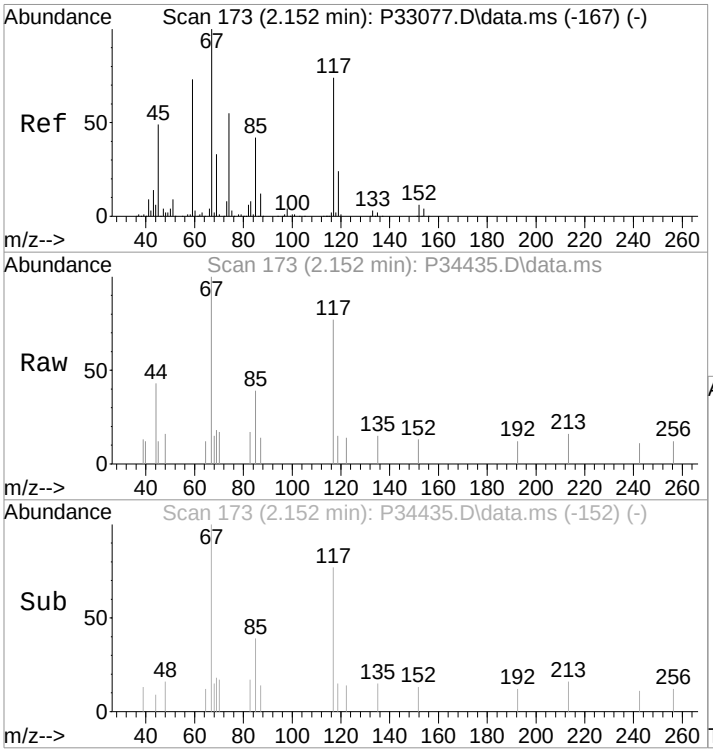


#4
Vinyl Chloride
Concen: 0.45 ppb
RT: 1.402 min Scan# 50
Delta R.T. 0.012 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 62 Resp: 1950

Ion	Ratio	Lower	Upper
62	100		
64	96.0	10.8	50.8#

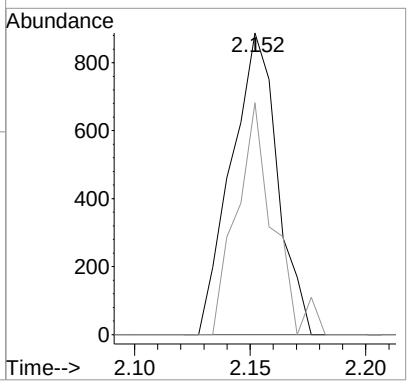


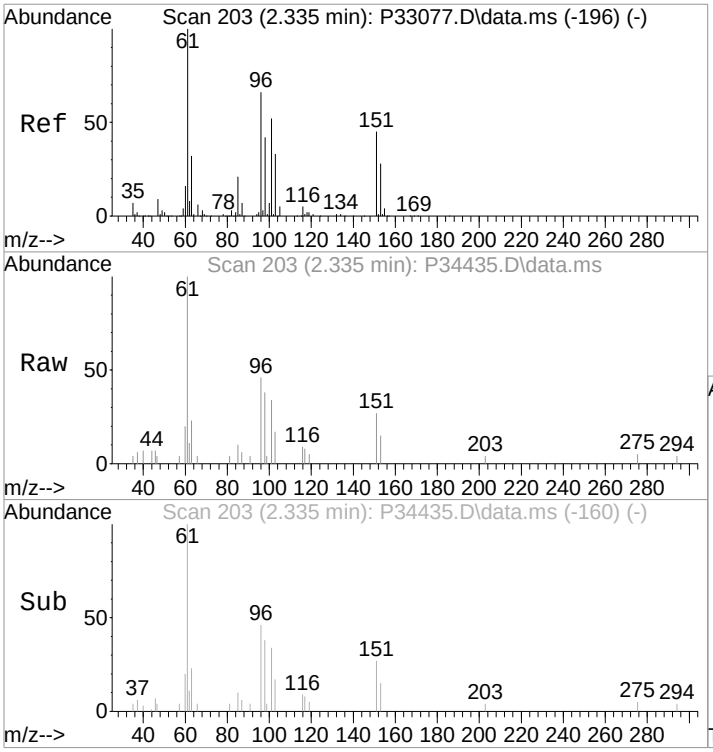


#10
Freon 123a
Concen: 0.39 ppb
RT: 2.152 min Scan# 173
Delta R.T. 0.012 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 67 Resp: 1235

Ion	Ratio	Lower	Upper
67	100		
117	76.8	53.9	93.9

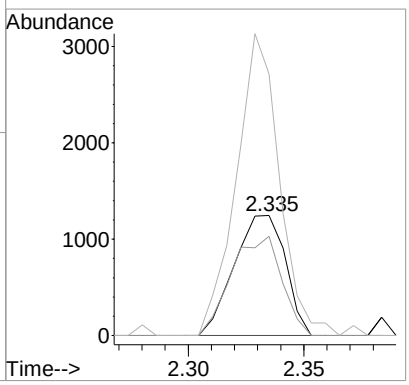


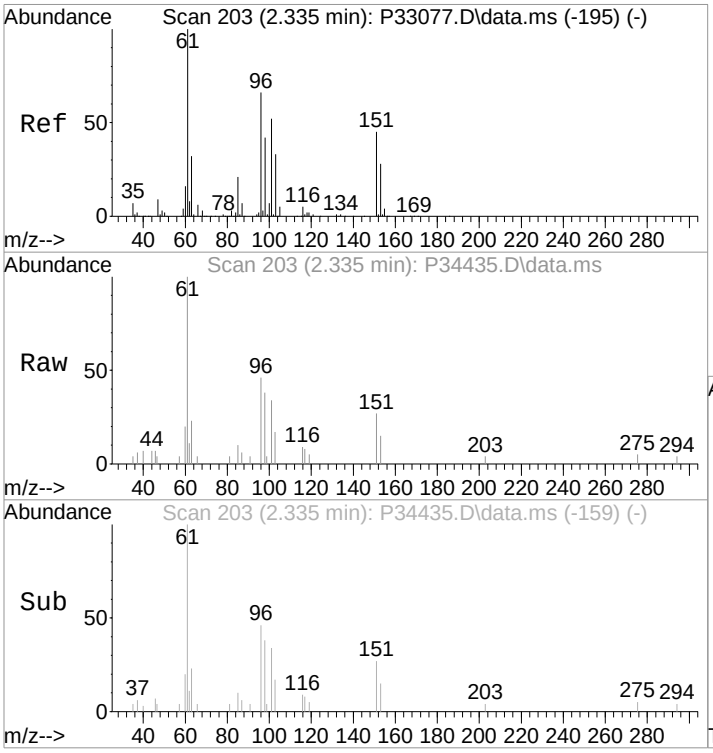


#13
1,1-Diclethene
Concen: 0.72 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 96 Resp: 1926

Ion	Ratio	Lower	Upper
96	100		
98	91.7	43.5	83.5#
61	217.7	131.4	171.4#

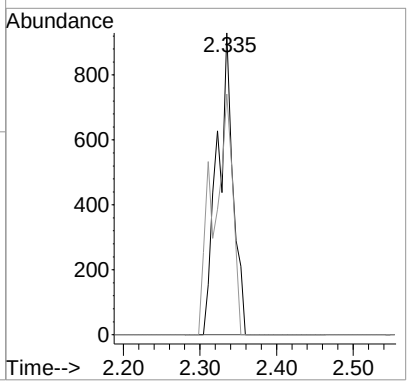


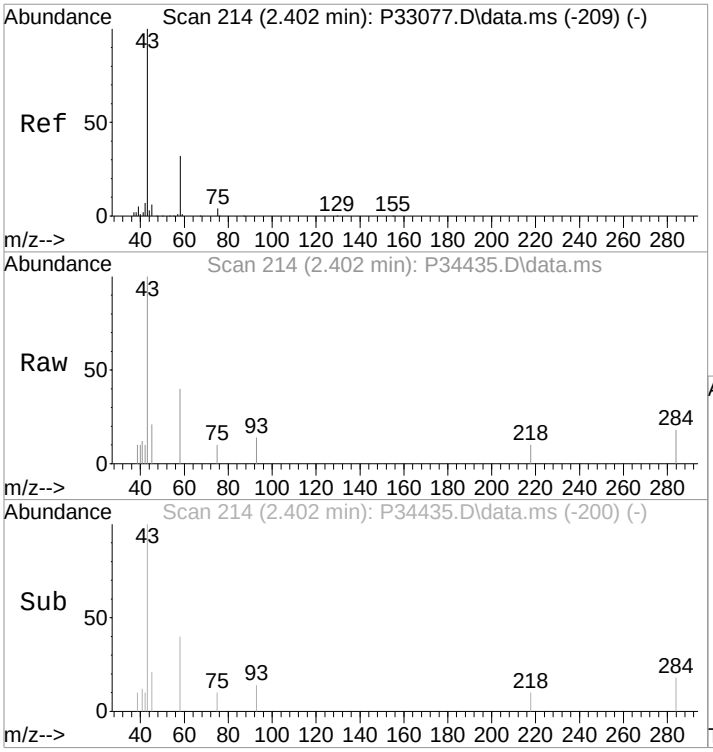


#14
Freon 113
Concen: 0.52 ppb m
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion:101 Resp: 1322

Ion	Ratio	Lower	Upper
101	100		
151	79.7	65.2	105.2

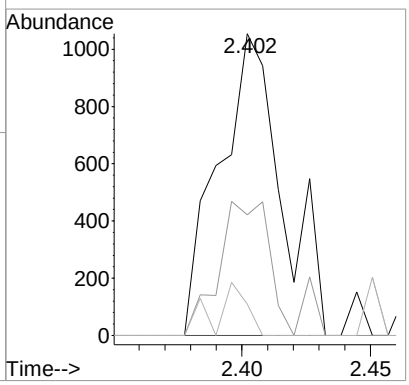


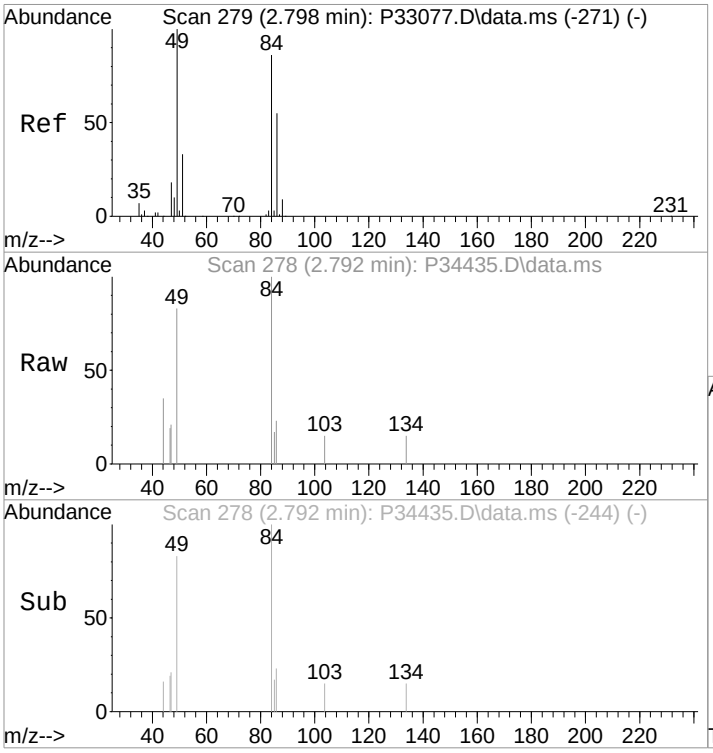


#15
Acetone
Concen: 1.25 ppb
RT: 2.402 min Scan# 214
Delta R.T. 0.012 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 43 Resp: 1806

Ion	Ratio	Lower	Upper
43	100		
58	40.0	12.3	52.3
42	10.4	0.0	27.0

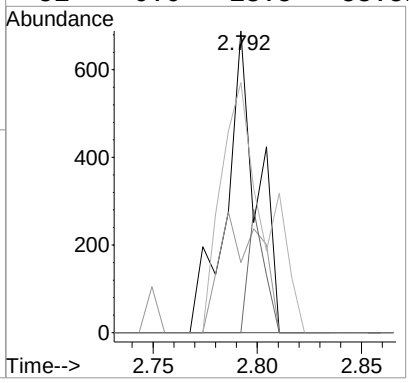


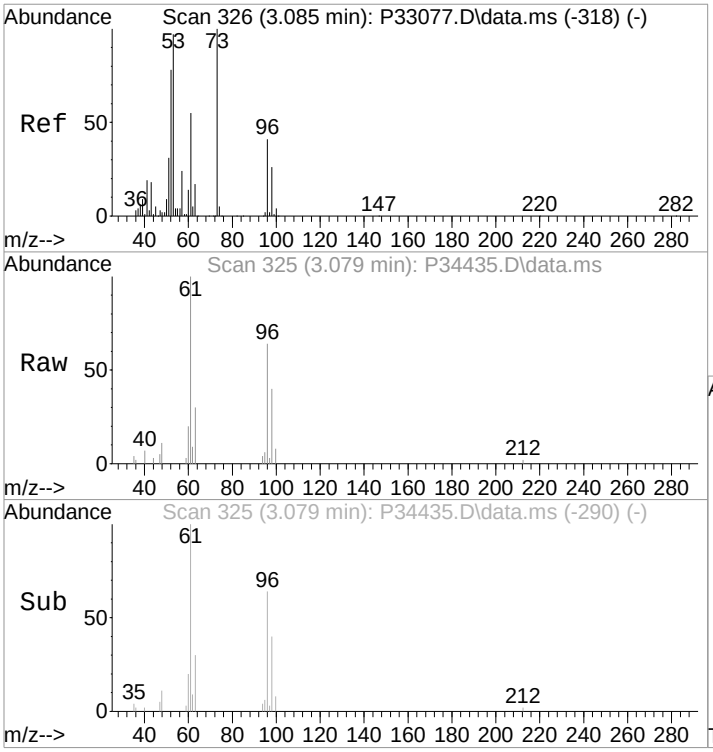


#22
Methylene Chloride
Concen: 0.21 ppb m
RT: 2.792 min Scan# 278
Delta R.T. 0.006 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 84 Resp: 719

Ion	Ratio	Lower	Upper
84	100		
86	23.2	44.5	84.5#
49	82.9	96.8	136.8#
51	0.0	18.5	58.5#

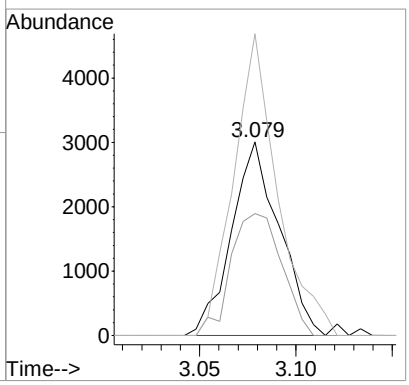


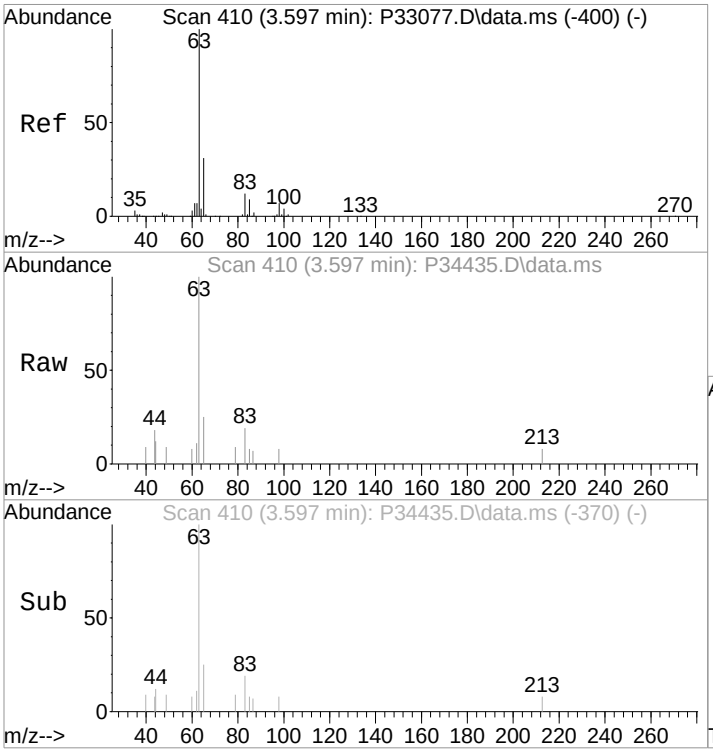


#26
trans-1,2-Dichloroethene
Concen: 1.75 ppb
RT: 3.079 min Scan# 325
Delta R.T. 0.006 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 96 Resp: 5184

Ion	Ratio	Lower	Upper
96	100		
98	63.0	44.0	84.0
61	156.1	113.0	153.0#

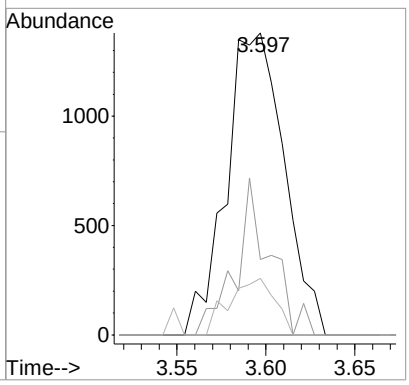


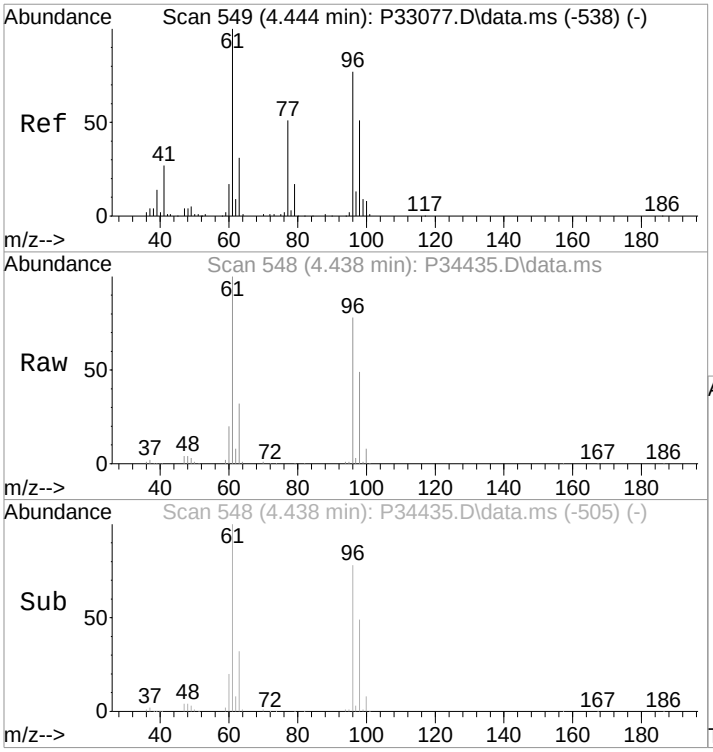


#28
1,1-Diclethane
Concen: 0.61 ppb
RT: 3.597 min Scan# 410
Delta R.T. 0.018 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 63 Resp: 3130

Ion	Ratio	Lower	Upper
63	100		
65	24.9	11.4	51.4
83	18.7	0.0	32.4

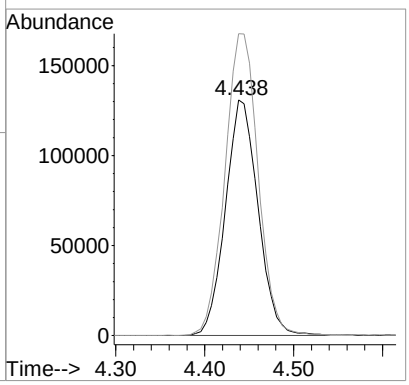


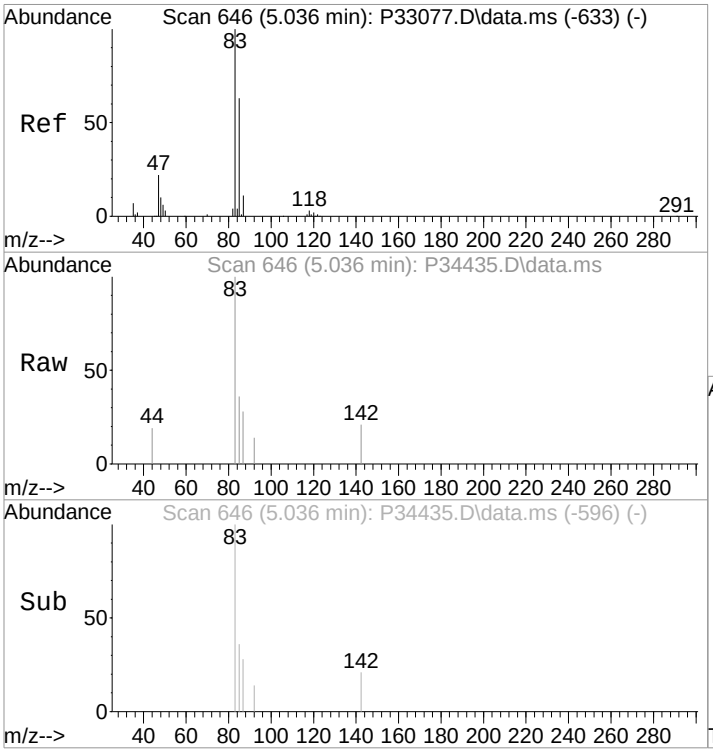


#34
cis-1,2-Dichloroethene
Concen: 96.29 ppb
RT: 4.438 min Scan# 548
Delta R.T. 0.006 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 96 Resp: 332655

Ion	Ratio	Lower	Upper
96	100		
61	128.2	110.1	150.1

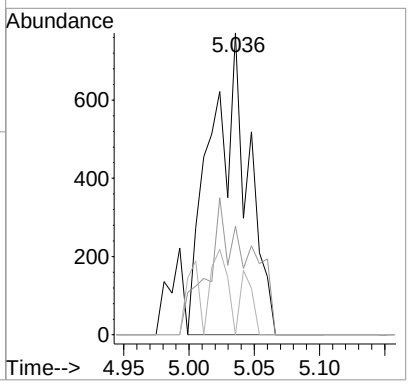


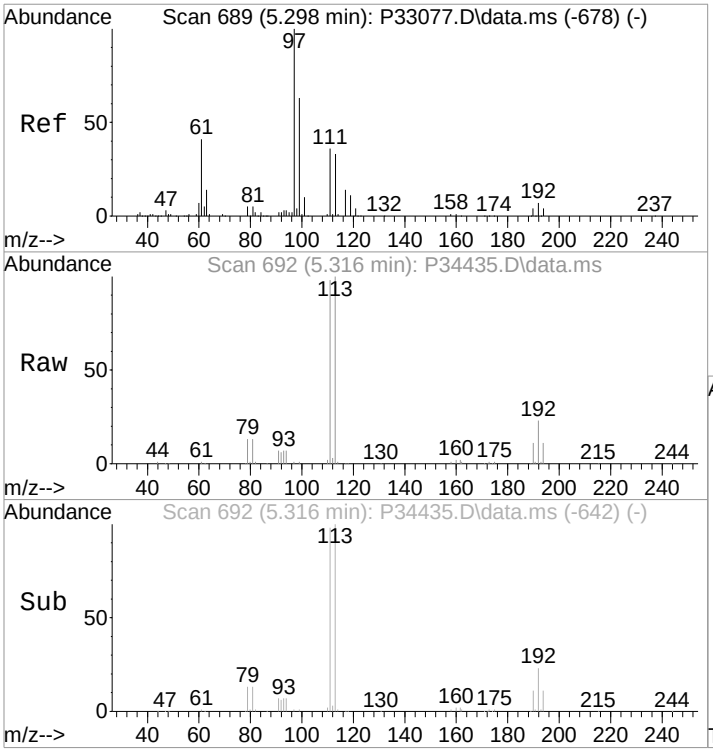


#40
Chloroform
Concen: 0.29 ppb m
RT: 5.036 min Scan# 646
Delta R.T. 0.018 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 83 Resp: 1522

Ion	Ratio	Lower	Upper
83	100		
85	36.0	43.0	83.0#
47	0.0	1.6	41.6#

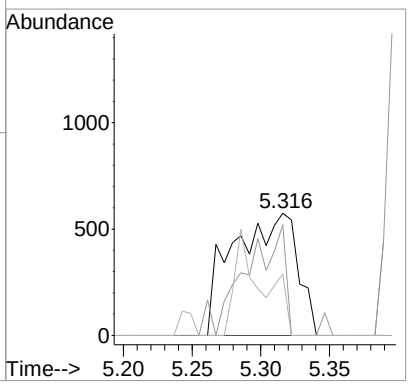


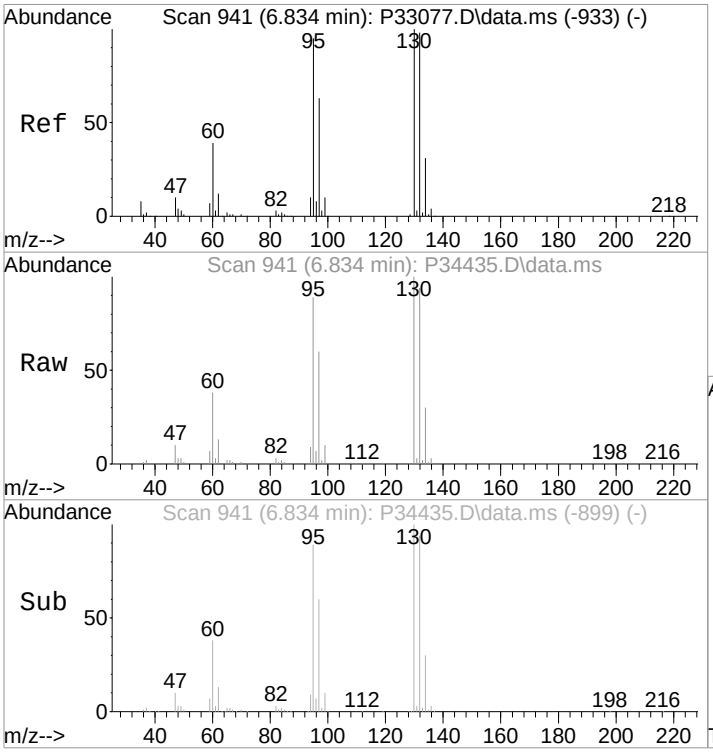


#41
1,1,1-Trichloroethane
Concen: 0.46 ppb m
RT: 5.316 min Scan# 692
Delta R.T. 0.024 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion: 97 Resp: 1868

Ion	Ratio	Lower	Upper
97	100		
99	90.4	43.2	83.2#
61	50.3	20.9	60.9

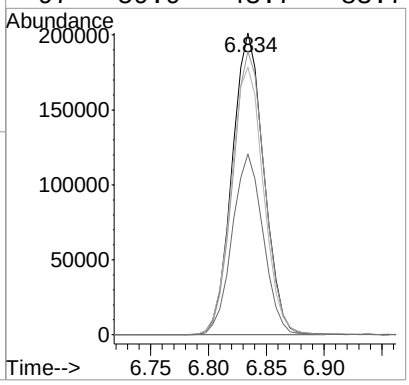




#54
Trichloroethene
Concen: 115.17 ppb
RT: 6.834 min Scan# 941
Delta R.T. 0.006 min
Lab File: P34435.D
Acq: 30 Mar 2020 3:17 pm

Tgt Ion:130 Resp: 385104

Ion	Ratio	Lower	Upper
130	100		
132	93.8	78.5	118.5
95	88.6	74.5	114.5
97	59.9	43.7	83.7

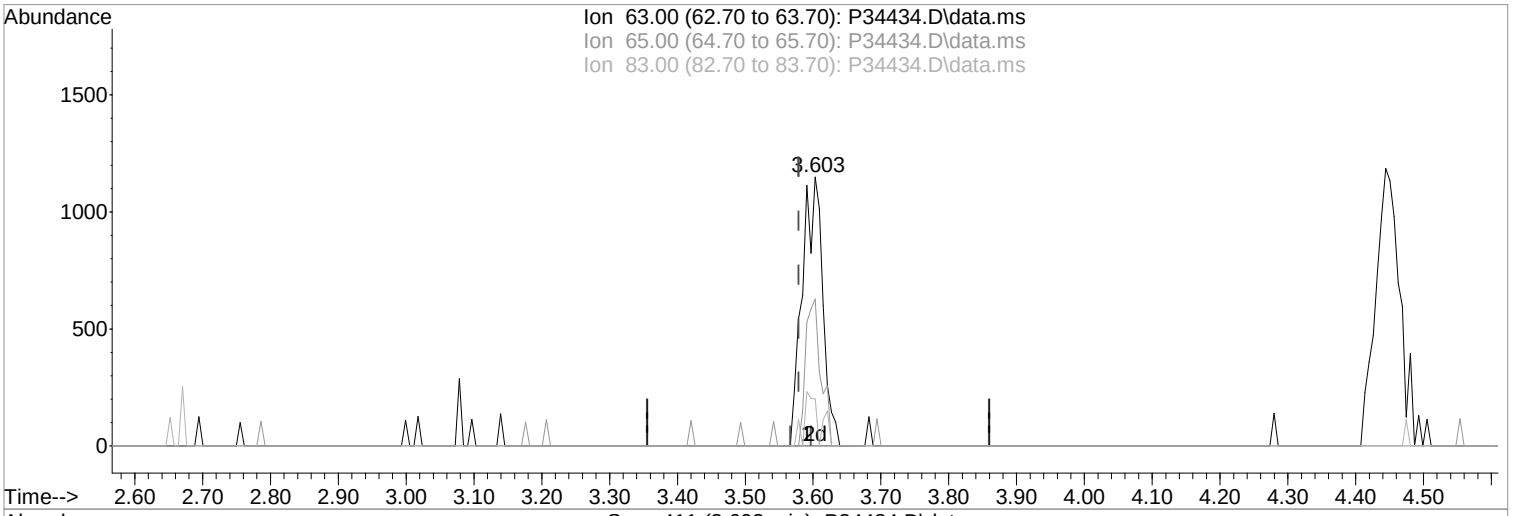


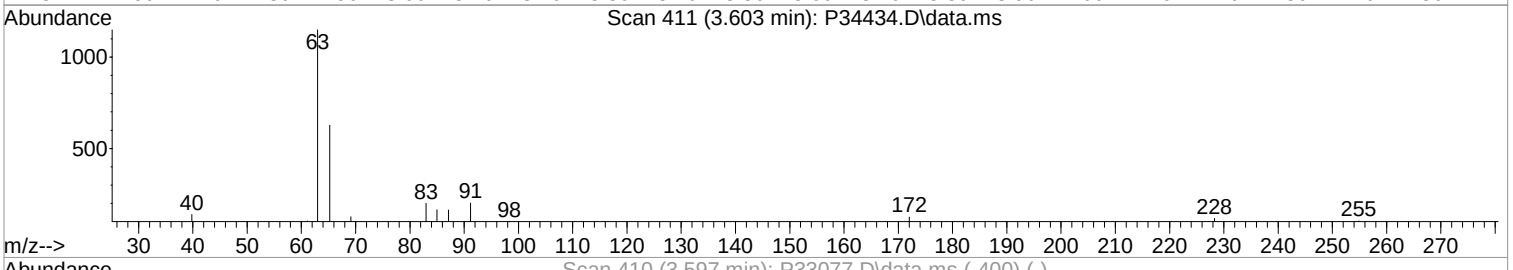
1st 04/01/20
2nd 04/03/20

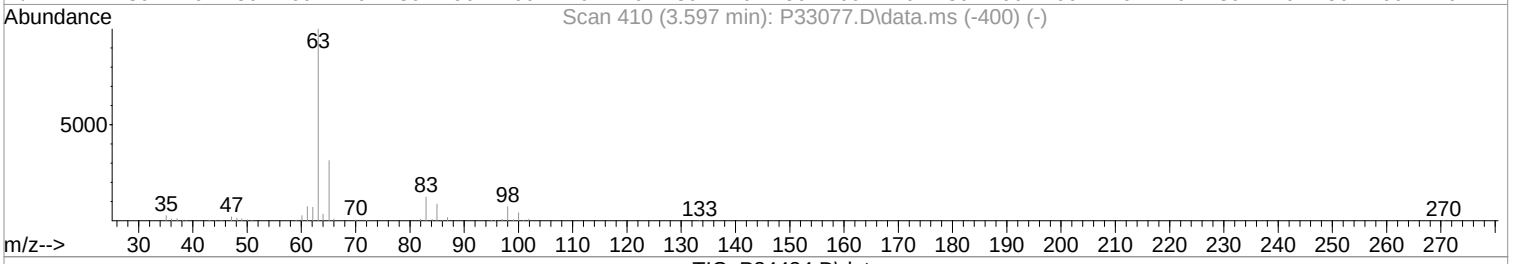
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34434.D
Acq On : 30 Mar 2020 2:55 pm
Operator : K.Ruest
Sample : R2002580-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 15:19:28 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34434.D\data.ms

(28) 1,1-Diclethane (P)

3.603min (+0.024) 0.47 ppb m

response 2426

Ion	Exp%	Act%
63.00	100	100
65.00	31.40	54.66#
83.00	12.40	17.49
0.00	0.00	0.00

Manual Integration:

After

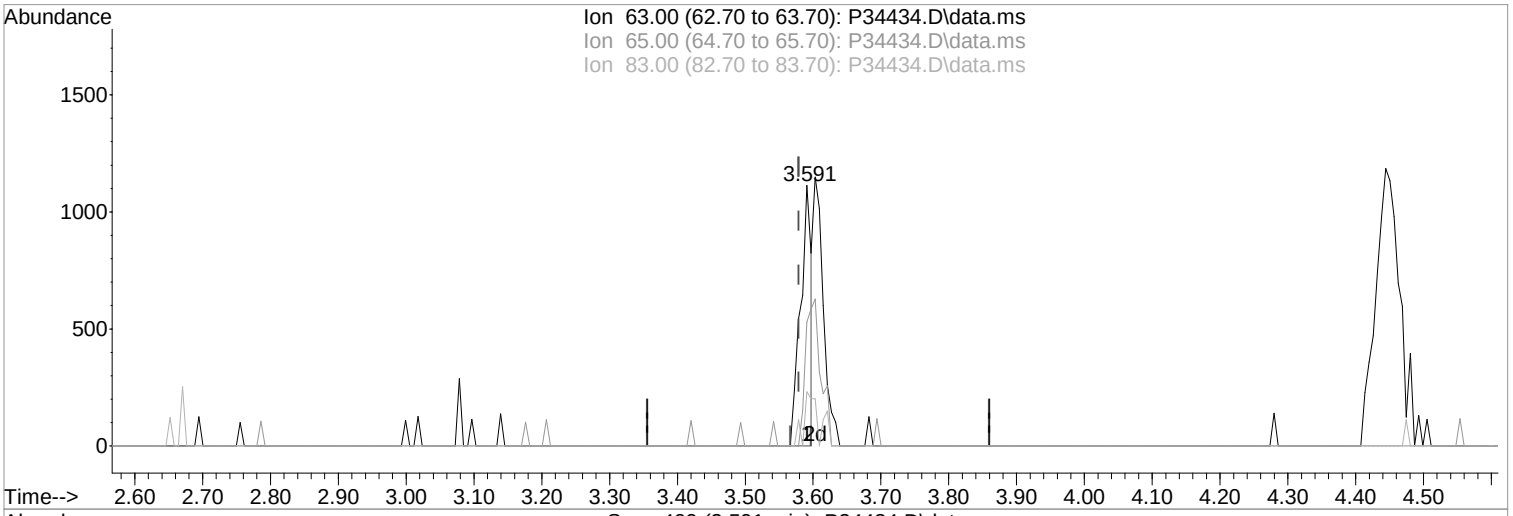
Split Peak

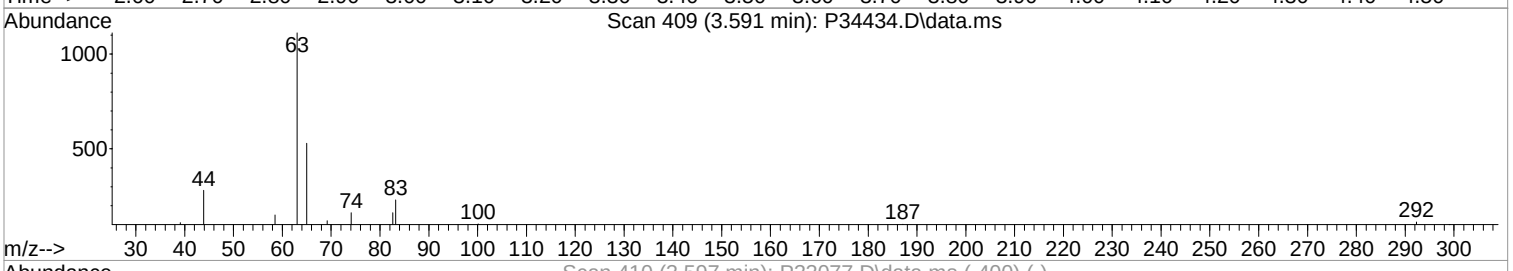
04/01/20

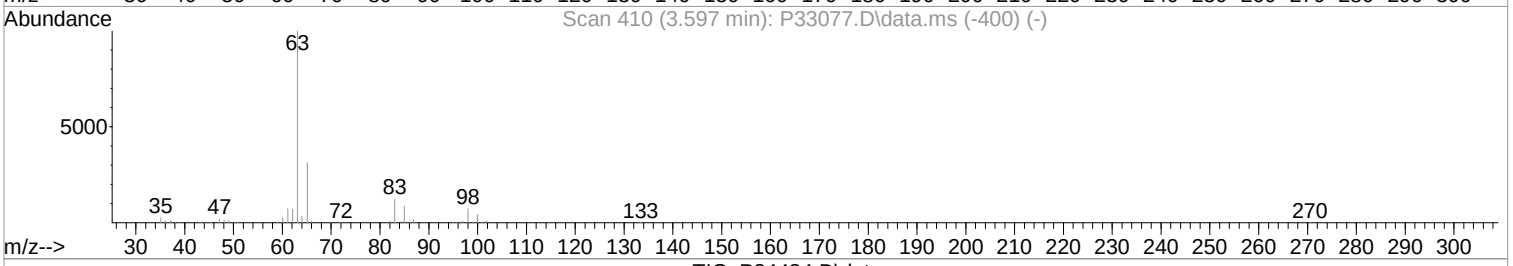
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34434.D
Acq On : 30 Mar 2020 2:55 pm
Operator : K.Ruest
Sample : R2002580-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 15:19:28 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34434.D\data.ms

(28) 1,1-Diclethane (P)

3.591min (+0.012) 0.24 ppb

response 1231

Ion	Exp%	Act%
63.00	100	100
65.00	31.40	47.53
83.00	12.40	20.75
0.00	0.00	0.00

Manual Integration:

Before

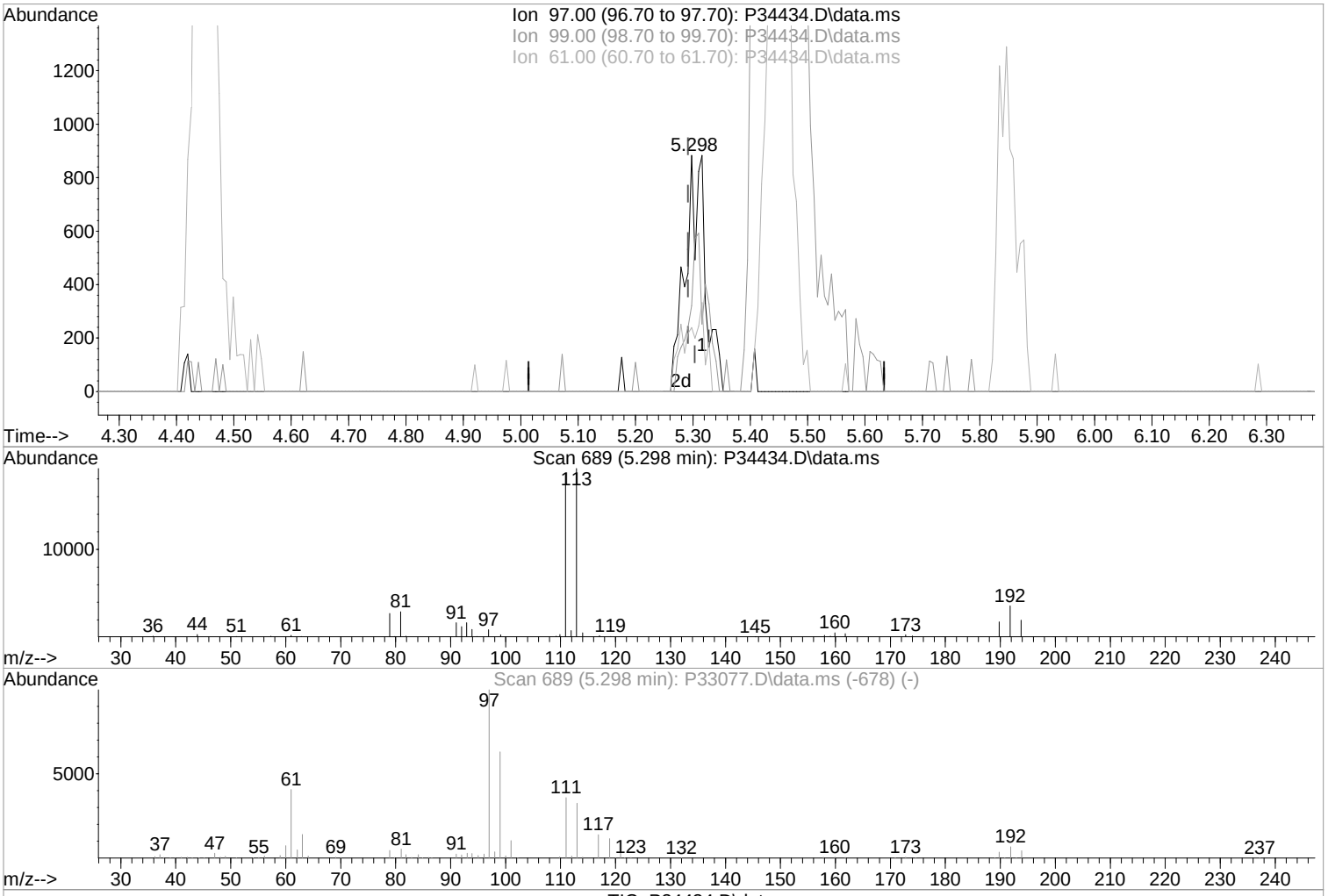
04/01/20

1st 04/01/20
2nd 04/03/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34434.D
Acq On : 30 Mar 2020 2:55 pm
Operator : K.Ruest
Sample : R2002580-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 15:19:28 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34434.D\data.ms

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

5.298min (+0.006) 0.53 ppb m

response 2144

Ion	Exp%	Act%
97.00	100	100
99.00	63.20	36.35#
61.00	40.90	27.07
0.00	0.00	0.00

Manual Integration:

After

Split Peak

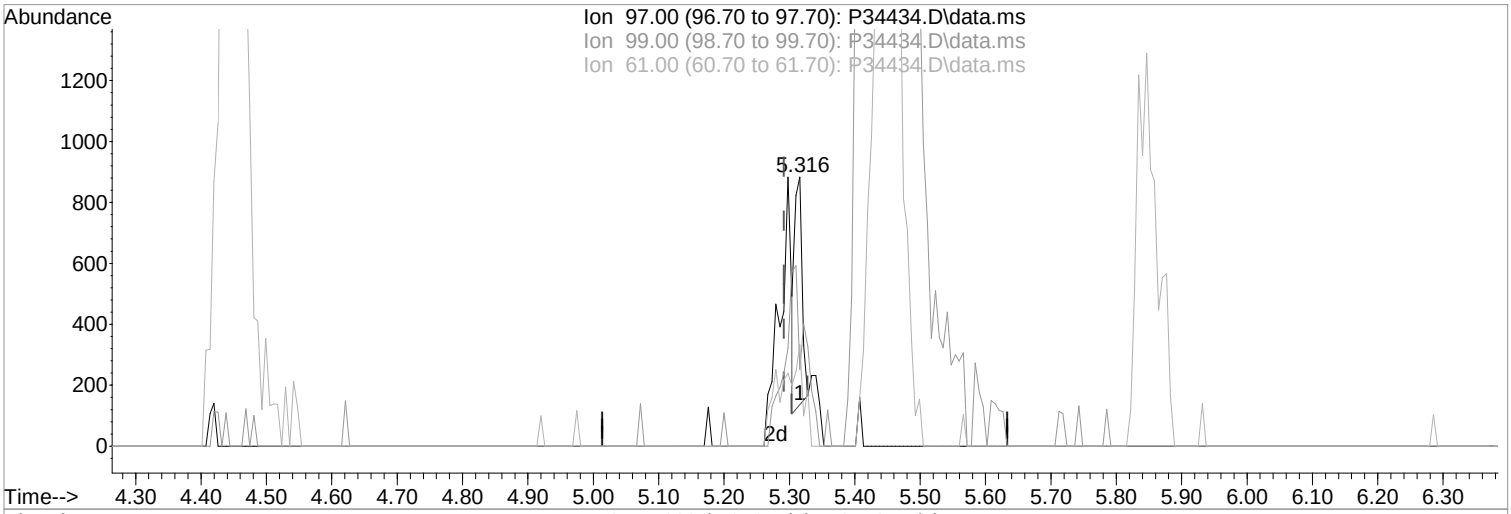
04/01/20

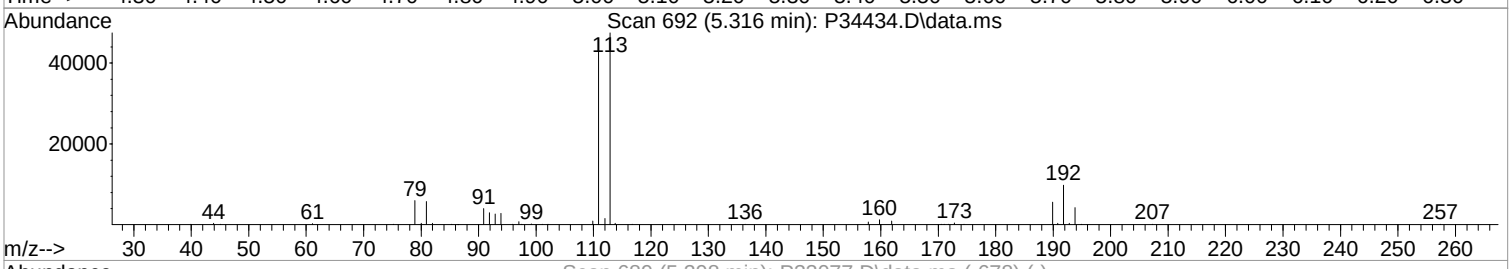
1st 04/01/20
2nd 04/03/20

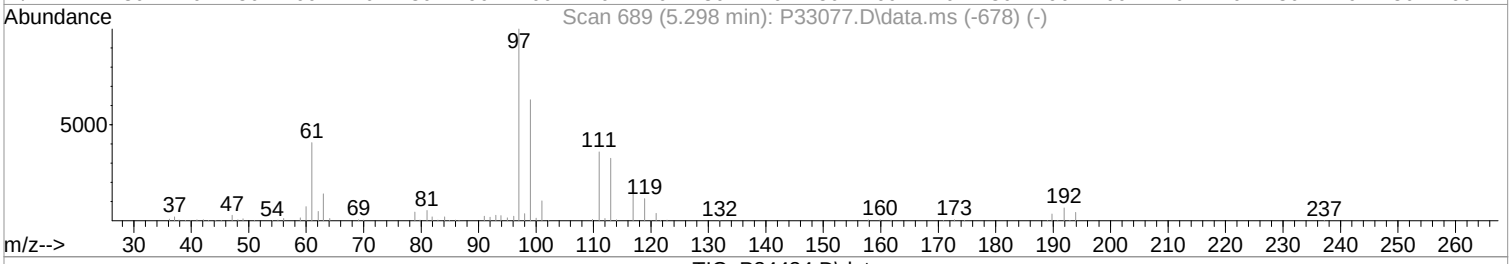
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34434.D
Acq On : 30 Mar 2020 2:55 pm
Operator : K.Ruest
Sample : R2002580-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 15:19:28 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34434.D\data.ms

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

5.316min (+0.024) 0.15 ppb

response 606

Ion	Exp%	Act%
97.00	100	100
99.00	63.20	28.54#
61.00	40.90	37.71
0.00	0.00	0.00

Manual Integration:

Before

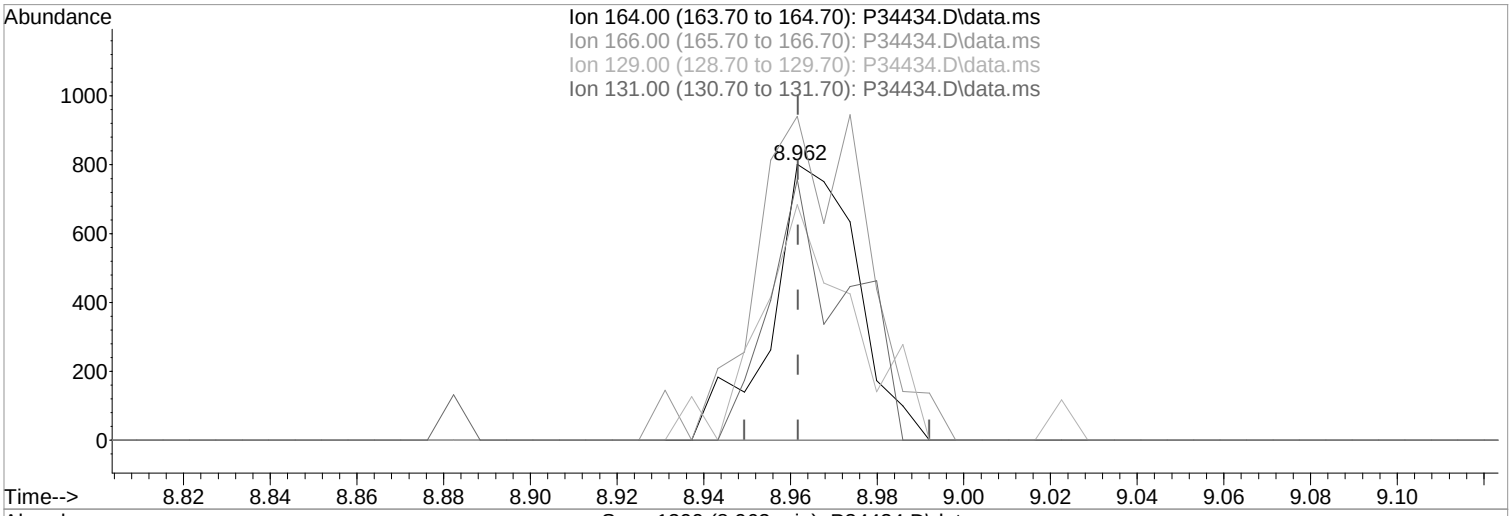
04/01/20

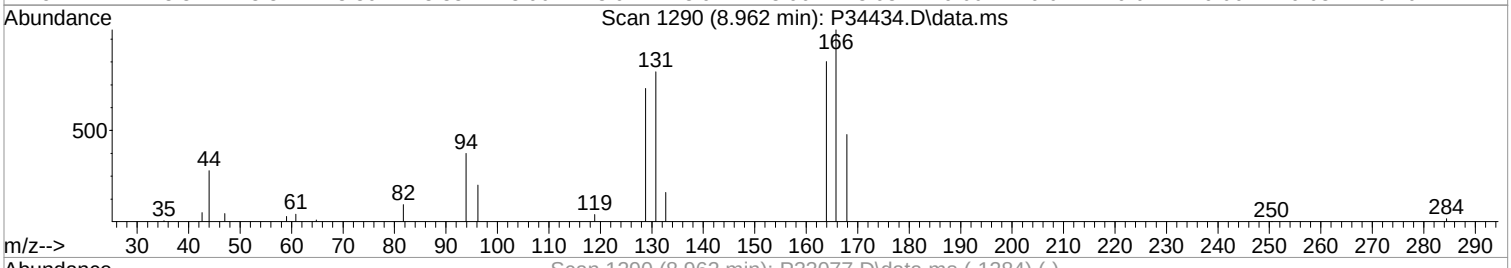
1st 04/01/20
2nd 04/03/20

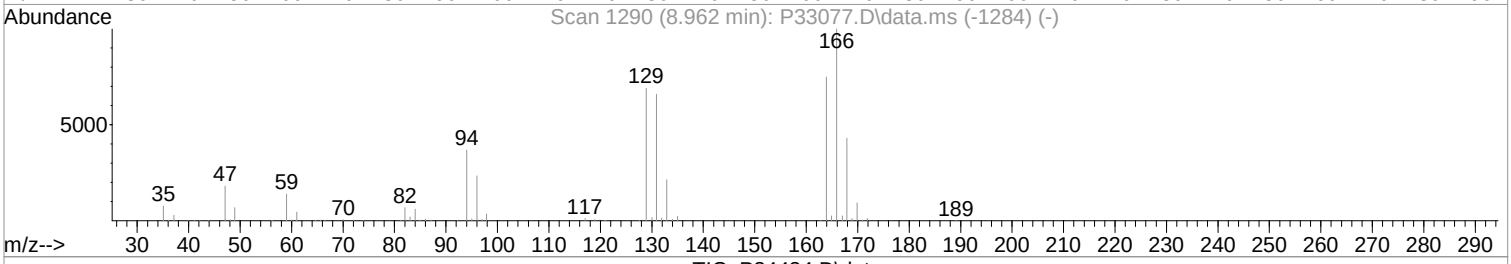
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34434.D
Acq On : 30 Mar 2020 2:55 pm
Operator : K.Ruest
Sample : R2002580-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 15:19:28 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34434.D\data.ms

(72) Tetrachloroethene (P)

8.962min (-0.000) 0.42 ppb m

response 1114

Ion	Exp%	Act%
164.00	100	100
166.00	133.70	117.48
129.00	92.20	85.39
131.00	87.90	94.51

Manual Integration:

After

Split Peak

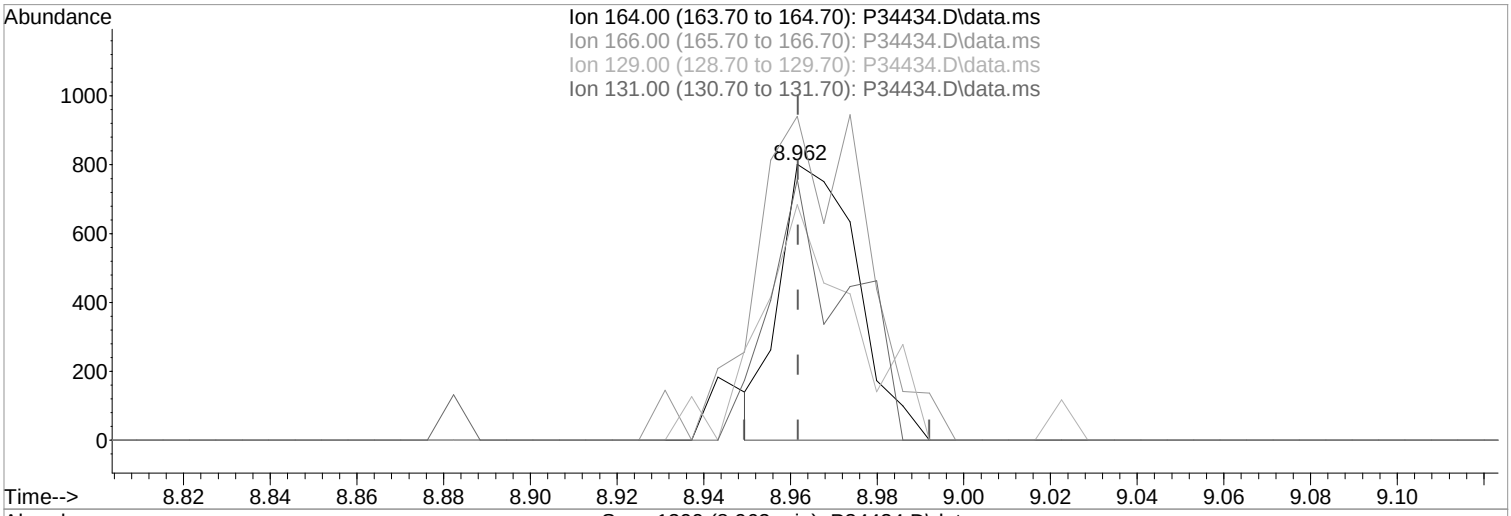
04/01/20

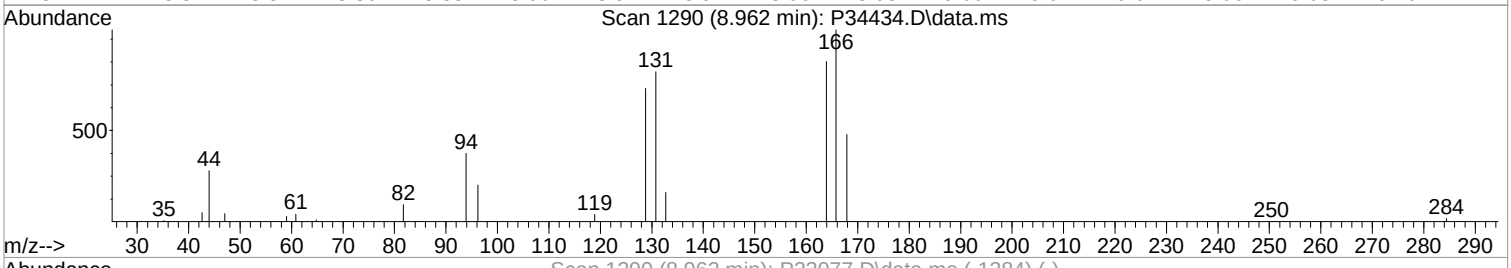
1st 04/01/20
2nd 04/03/20

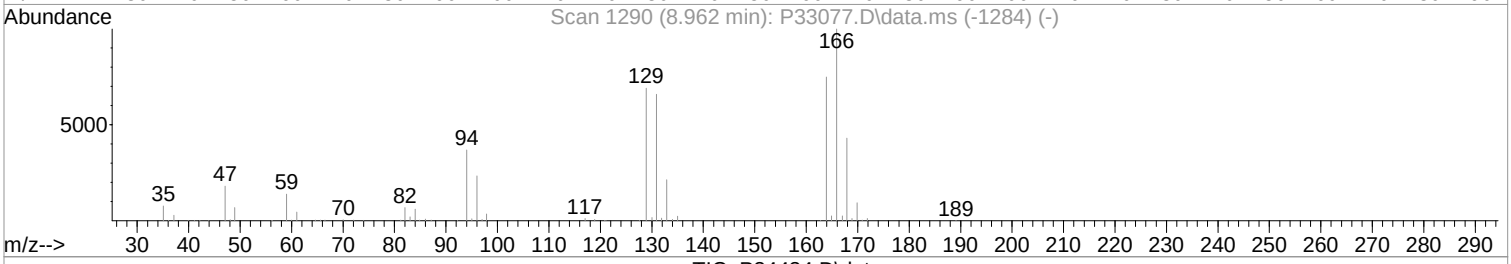
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34434.D
Acq On : 30 Mar 2020 2:55 pm
Operator : K.Ruest
Sample : R2002580-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 15:19:28 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34434.D\data.ms

(72) Tetrachloroethene (P)

8.962min (-0.000) 0.38 ppb

response 995

Ion	Exp%	Act%
164.00	100	100
166.00	133.70	117.48
129.00	92.20	85.39
131.00	87.90	94.51

Manual Integration:

Before

04/01/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34434.D
Acq On : 30 Mar 2020 2:55 pm
Operator : K.Ruest
Sample : R2002580-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 17:50:50 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

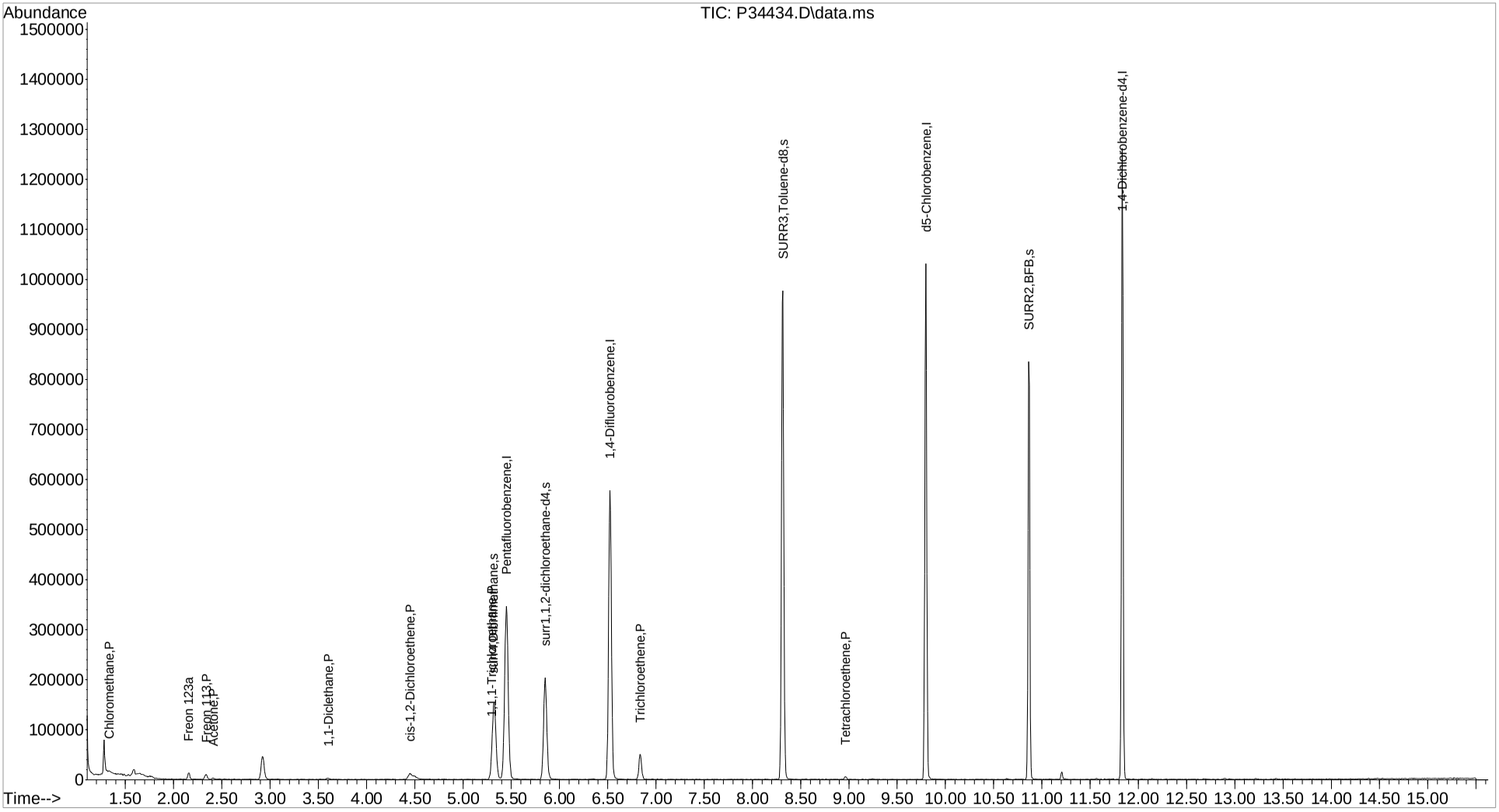
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	342646	50.00	ppb	0.01
43) 1,4-Difluorobenzene	6.523	114	531652	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	471216	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	255785	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	129698	46.19	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.38%			
48) surr1,1,2-dichloroetha...	5.852	65	164349	48.26	ppb	0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.52%			
65) SURR3,Toluene-d8	8.315	98	634483	48.40	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.80%			
70) SURR2,BFB	10.864	95	226609	44.77	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 89.54%			
Target Compounds						Qvalue
3) Chloromethane	1.329	50	1815	0.43	ppb	92
10) Freon 123a	2.158	67	5388	1.72	ppb	87
14) Freon 113	2.335	101	3875	1.54	ppb	91
15) Acetone	2.408	43	2508	1.74	ppb	94
28) 1,1-Diclethane	3.603	63	2426m	0.47	ppb	
34) cis-1,2-Dichloroethene	4.450	96	6576	1.91	ppb	98
41) 1,1,1-Trichloroethane	5.298	97	2144m	0.53	ppb	
54) Trichloroethene	6.834	130	19319	5.78	ppb	95
72) Tetrachloroethene	8.962	164	1114m	0.42	ppb	

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

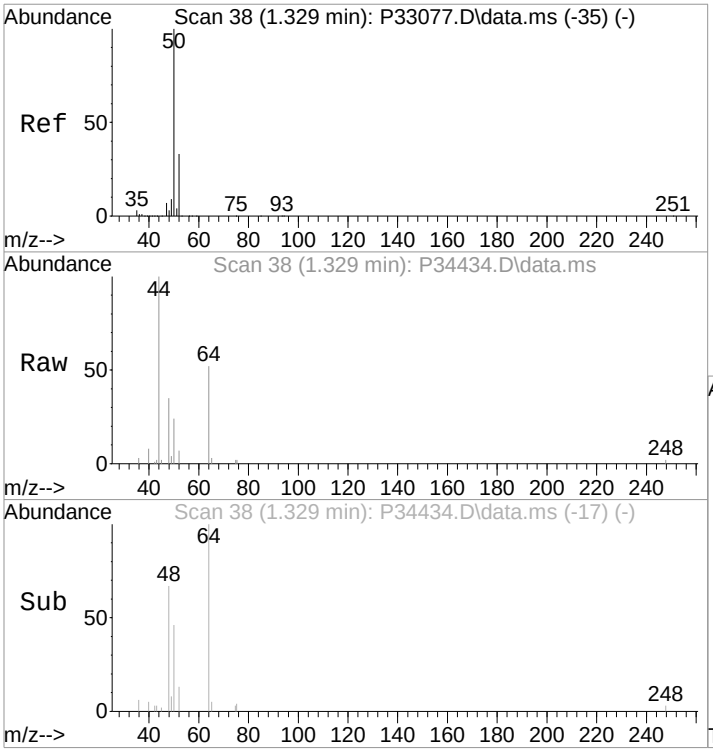
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34434.D
Acq On : 30 Mar 2020 2:55 pm
Operator : K.Ruest
Sample : R2002580-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 17:50:50 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



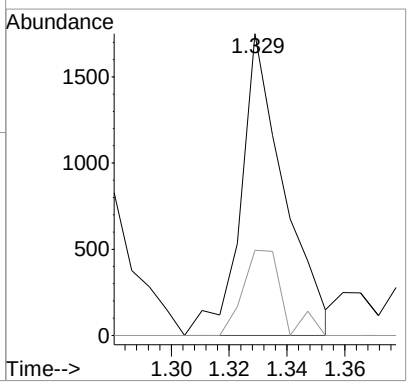
1st 04/01/20
2nd 04/03/20

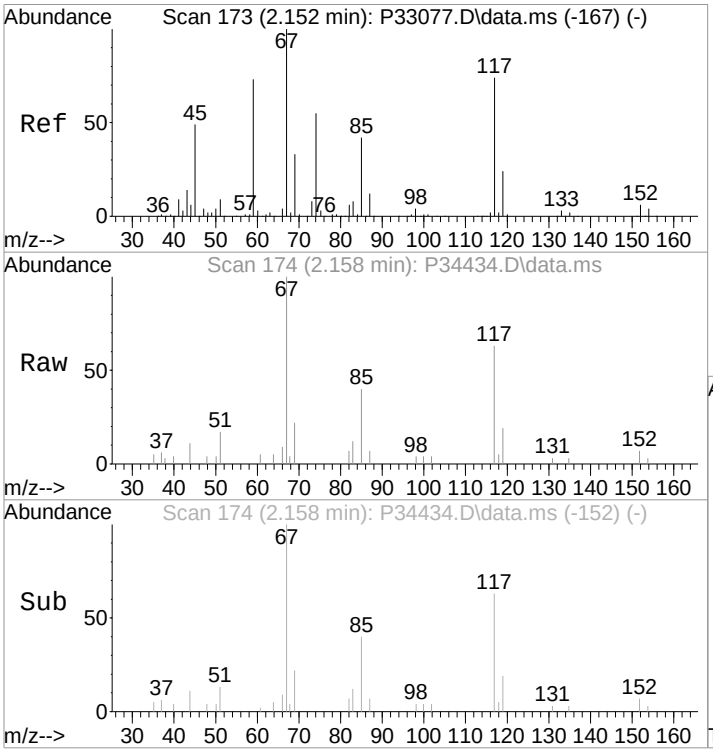


#3
Chloromethane
Concen: 0.43 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion: 50 Resp: 1815

Ion	Ratio	Lower	Upper
50	100		
52	28.2	12.7	52.7

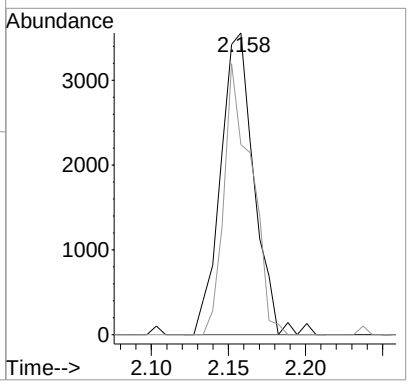


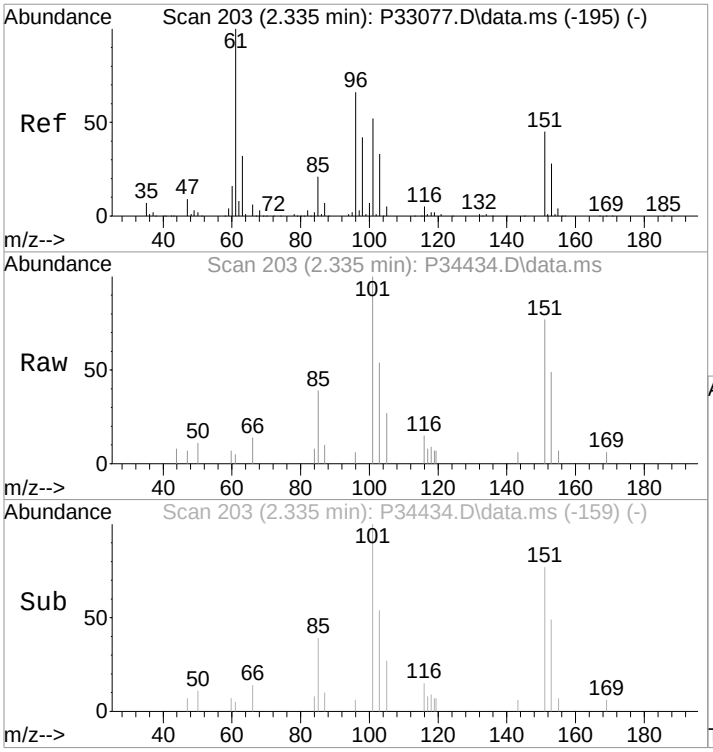


#10
Freon 123a
Concen: 1.72 ppb
RT: 2.158 min Scan# 174
Delta R.T. 0.018 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion: 67 Resp: 5388

Ion	Ratio	Lower	Upper
67	100		
117	63.0	53.9	93.9

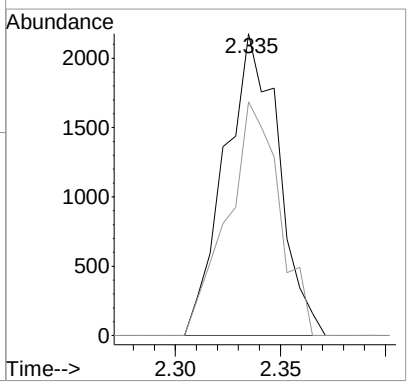


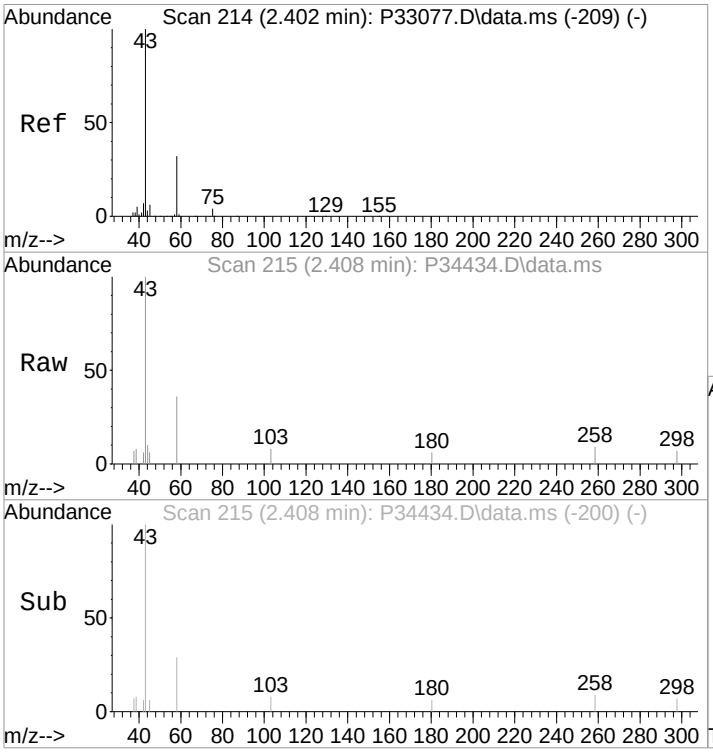


#14
Freon 113
Concen: 1.54 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion:101 Resp: 3875

Ion	Ratio	Lower	Upper
101	100		
151	77.4	65.2	105.2

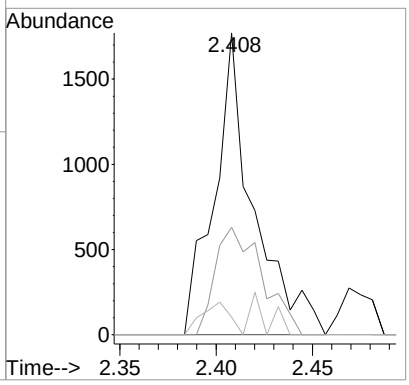


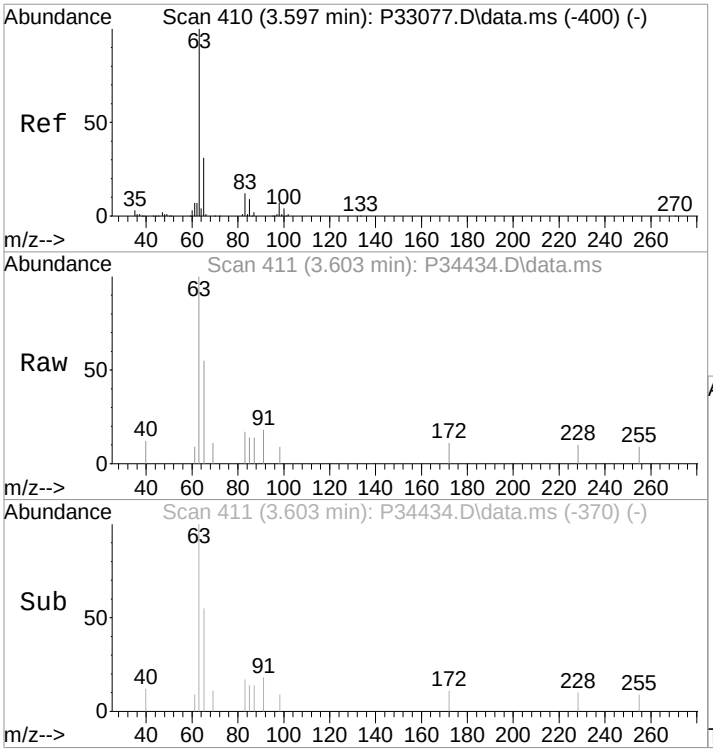


#15
Acetone
Concen: 1.74 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.018 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion: 43 Resp: 2508

Ion	Ratio	Lower	Upper
43	100		
58	35.7	12.3	52.3
42	5.8	0.0	27.0

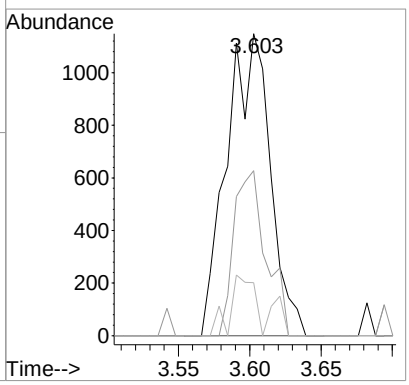


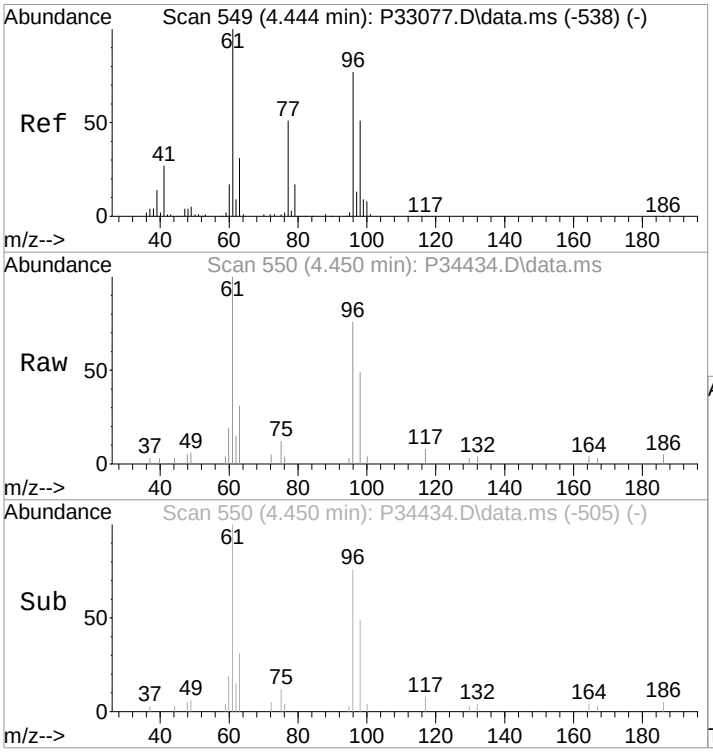


#28
1,1-Diclethane
Concen: 0.47 ppb m
RT: 3.603 min Scan# 411
Delta R.T. 0.024 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion: 63 Resp: 2426

Ion	Ratio	Lower	Upper
63	100		
65	54.7	11.4	51.4#
83	17.5	0.0	32.4

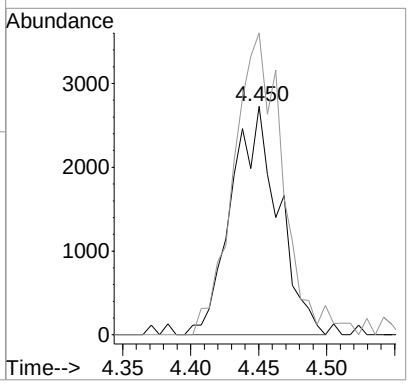


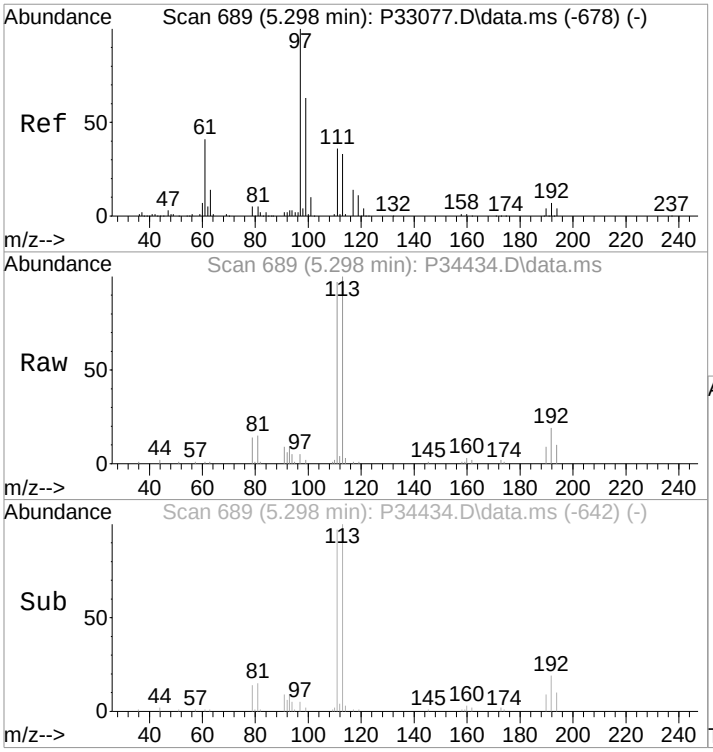


#34
cis-1,2-Dichloroethene
Concen: 1.91 ppb
RT: 4.450 min Scan# 550
Delta R.T. 0.018 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion: 96 Resp: 6576

Ion	Ratio	Lower	Upper
96	100		
61	132.2	110.1	150.1

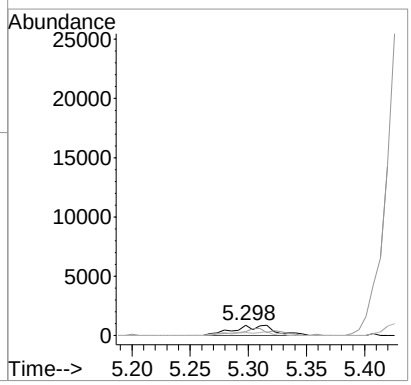


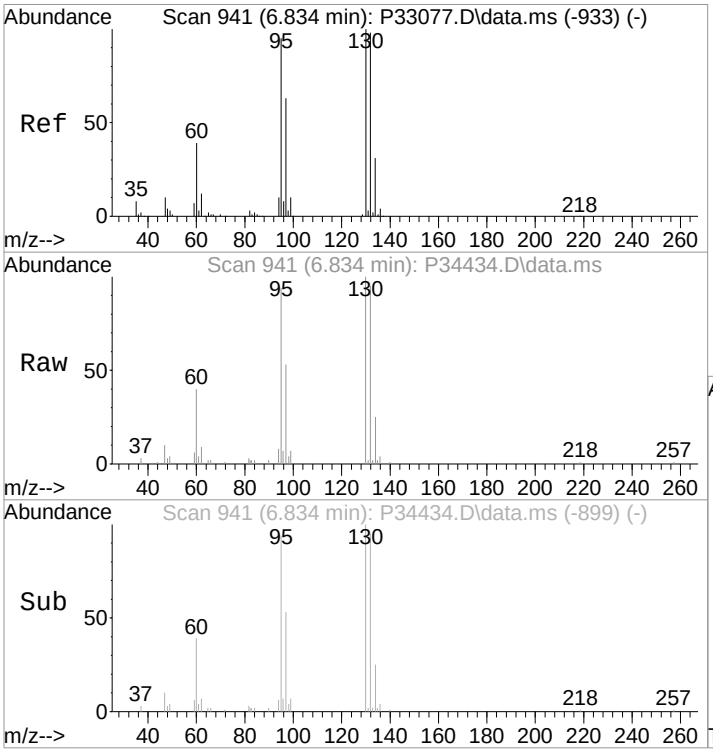


#41
1,1,1-Trichloroethane
Concen: 0.53 ppb m
RT: 5.298 min Scan# 689
Delta R.T. 0.006 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion: 97 Resp: 2144

Ion	Ratio	Lower	Upper
97	100		
99	36.4	43.2	83.2#
61	27.1	20.9	60.9

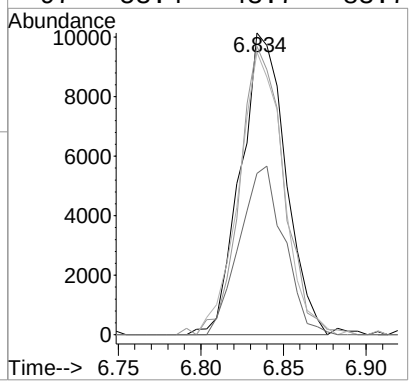


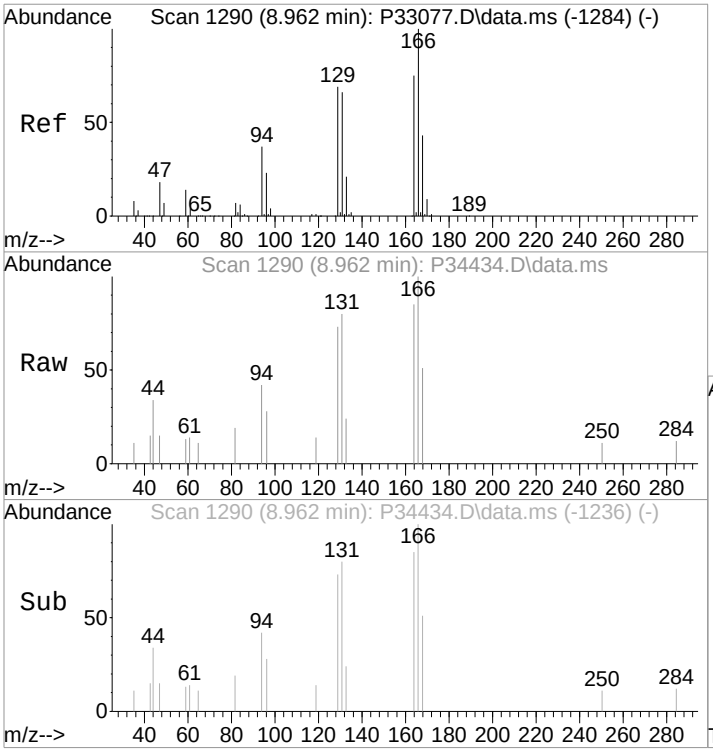


#54
Trichloroethene
Concen: 5.78 ppb
RT: 6.834 min Scan# 941
Delta R.T. 0.006 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion:130 Resp: 19319

Ion	Ratio	Lower	Upper
130	100		
132	95.5	78.5	118.5
95	93.6	74.5	114.5
97	53.4	43.7	83.7

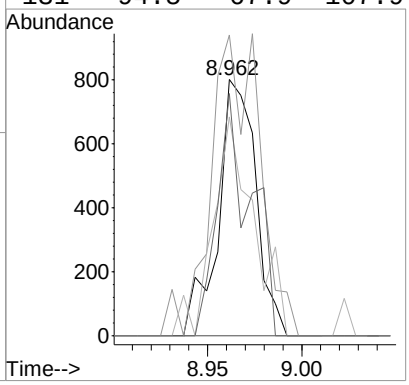




#72
Tetrachloroethene
Concen: 0.42 ppb m
RT: 8.962 min Scan# 1290
Delta R.T. -0.000 min
Lab File: P34434.D
Acq: 30 Mar 2020 2:55 pm

Tgt Ion:164 Resp: 1114

Ion	Ratio	Lower	Upper
164	100		
166	117.5	113.7	153.7
129	85.4	72.2	112.2
131	94.5	67.9	107.9

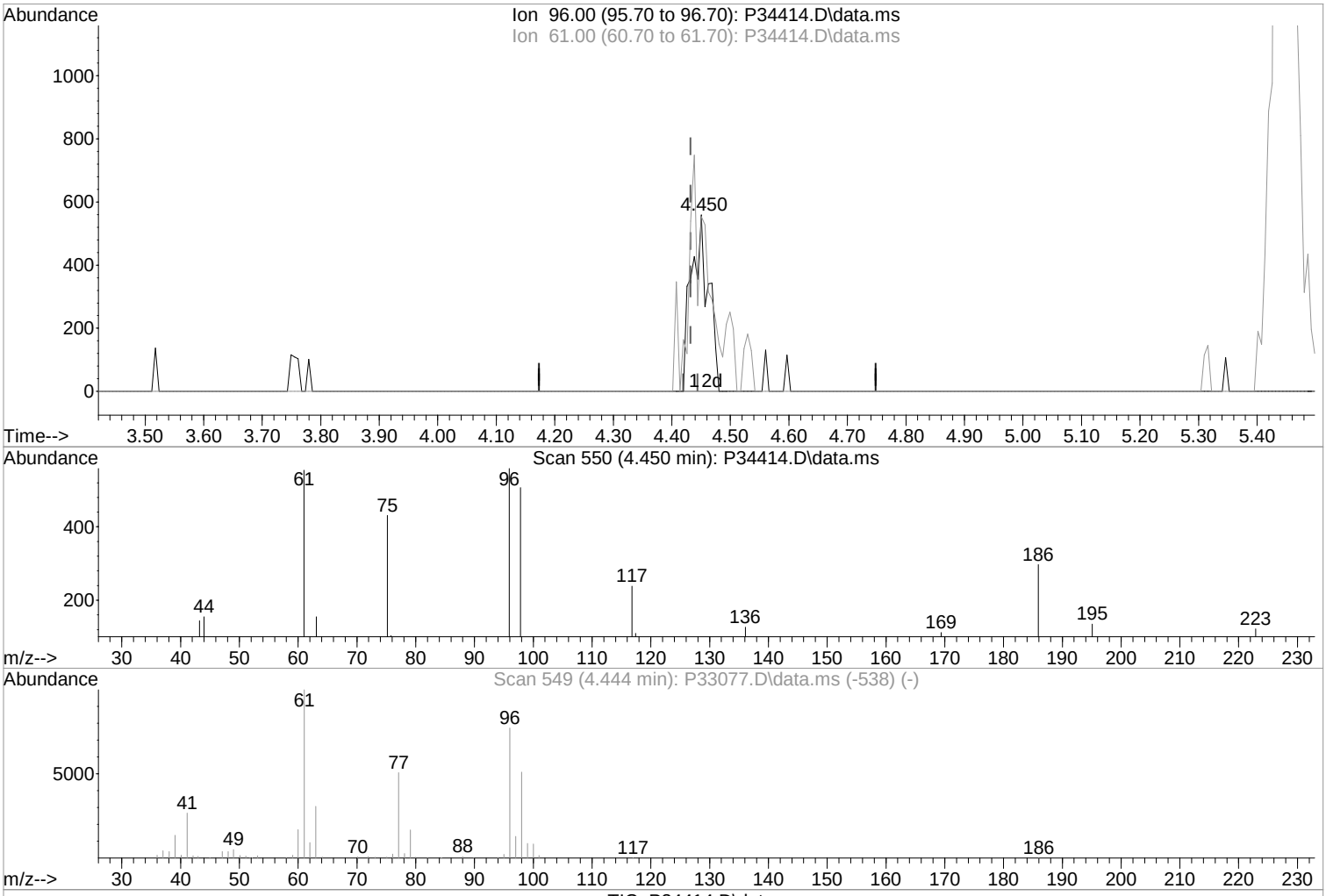


1st 03/31/20
2nd 04/02/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34414.D
Acq On : 27 Mar 2020 9:14 pm
Operator : K.Ruest
Sample : R2002580-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 30 10:26:23 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34414.D\data.ms

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

4.450min (+0.018) 0.34 ppb m

response 1142

Ion	Exp%	Act%
96.00	100	100
61.00	130.10	99.11#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

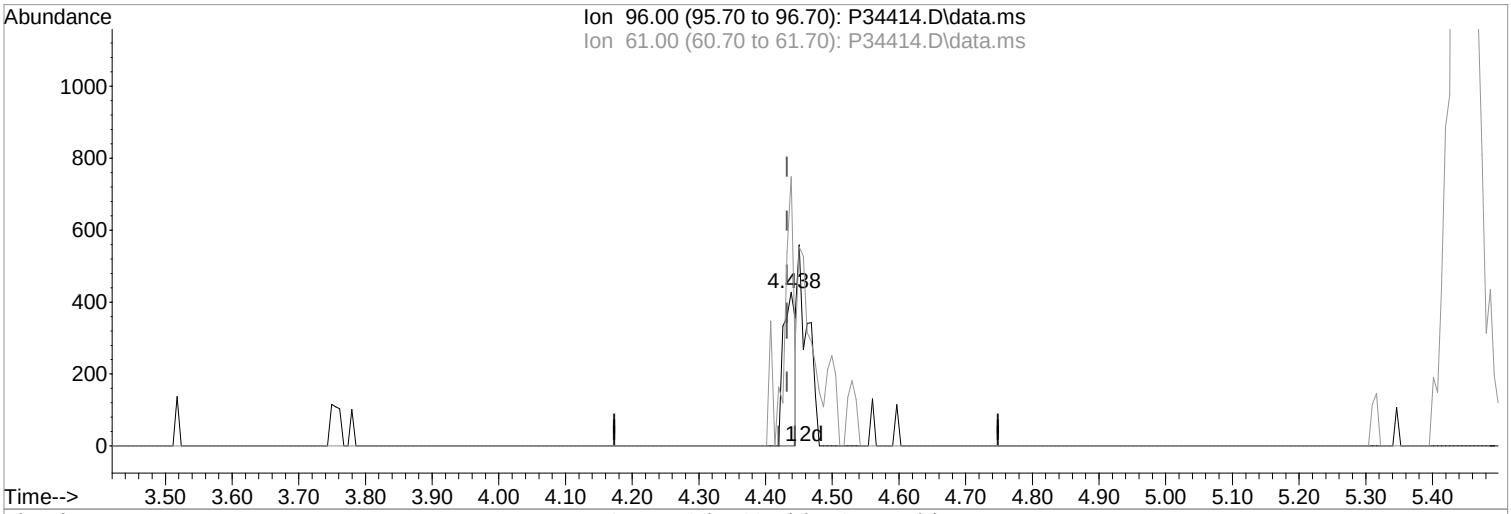
Split Peak

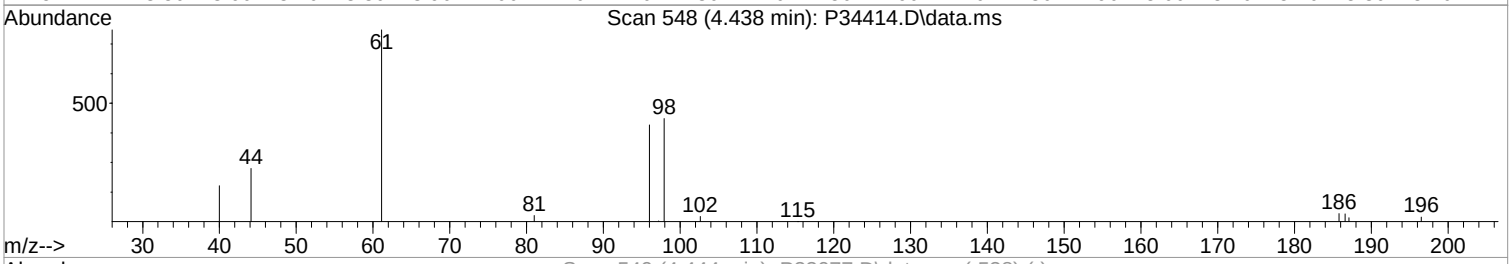
03/31/20

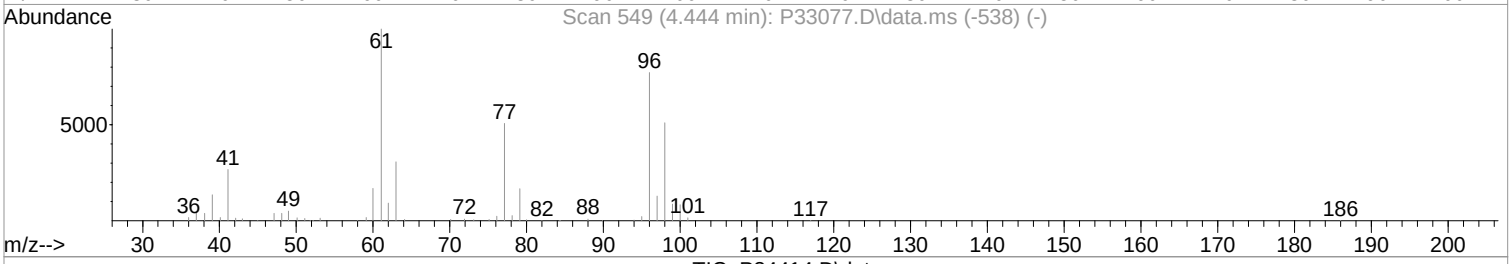
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34414.D
Acq On : 27 Mar 2020 9:14 pm
Operator : K.Ruest
Sample : R2002580-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 30 10:26:23 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34414.D\data.ms

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

4.438min (+0.006) 0.16 ppb

response 539

Ion	Exp%	Act%
96.00	100	100
61.00	130.10	175.18#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/31/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34414.D
Acq On : 27 Mar 2020 9:14 pm
Operator : K.Ruest
Sample : R2002580-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 31 16:45:27 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

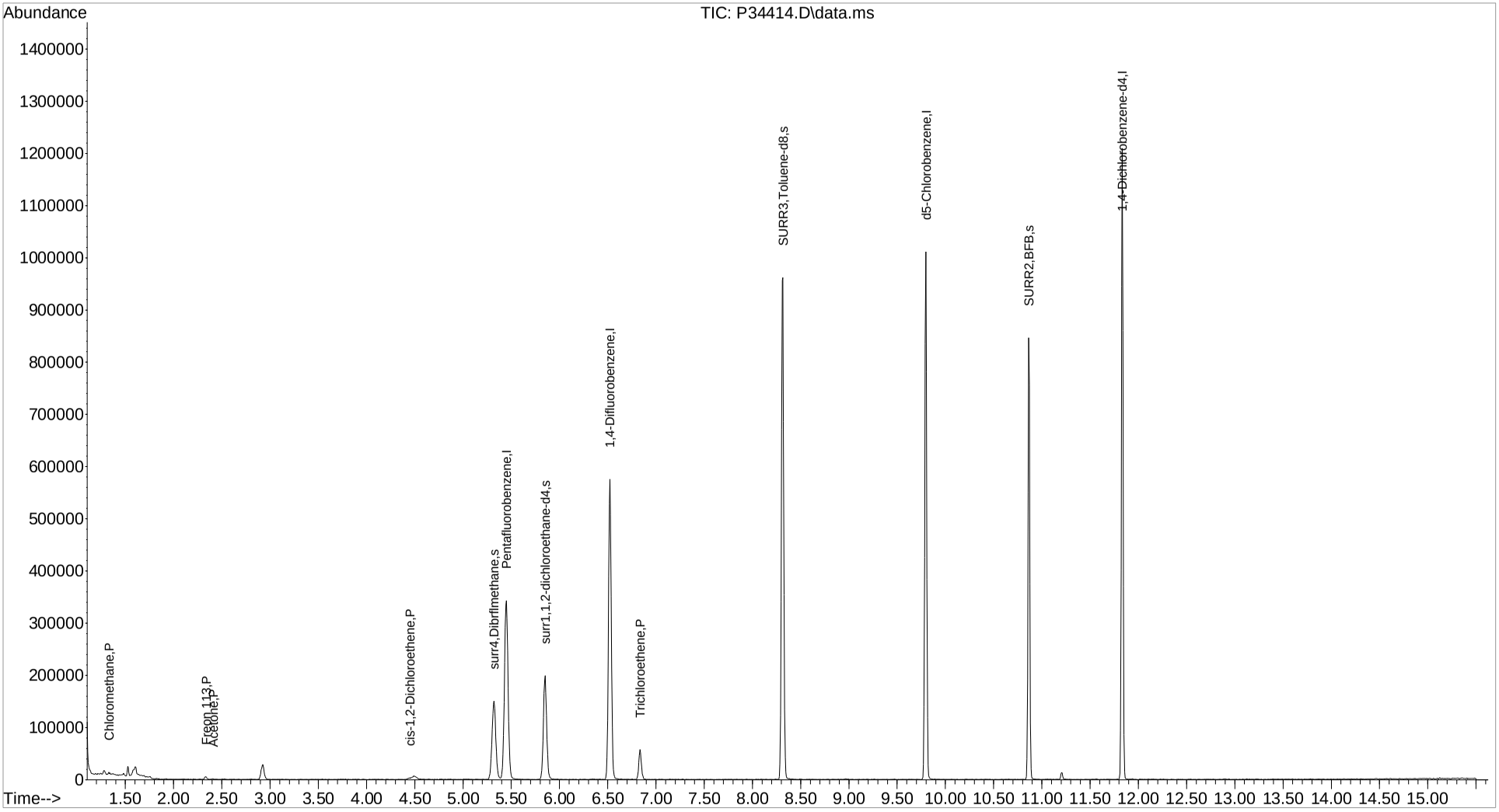
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.450	168	338756	50.00	ppb	0.01
43) 1,4-Difluorobenzene	6.523	114	515988	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	459257	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	248669	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.322	113	126097	46.27	ppb	0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.54%			
48) surr1,1,2-dichloroetha...	5.852	65	162348	49.12	ppb	0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.24%			
65) SURR3,Toluene-d8	8.315	98	624059	49.05	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.10%			
70) SURR2,BFB	10.864	95	222034	45.20	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.40%			
Target Compounds						Qvalue
3) Chloromethane	1.329	50	990	0.24	ppb	95
14) Freon 113	2.335	101	1541	0.62	ppb	86
15) Acetone	2.408	43	1495	1.05	ppb	70
34) cis-1,2-Dichloroethene	4.450	96	1142m	0.34	ppb	
54) Trichloroethene	6.834	130	21224	6.54	ppb	94

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

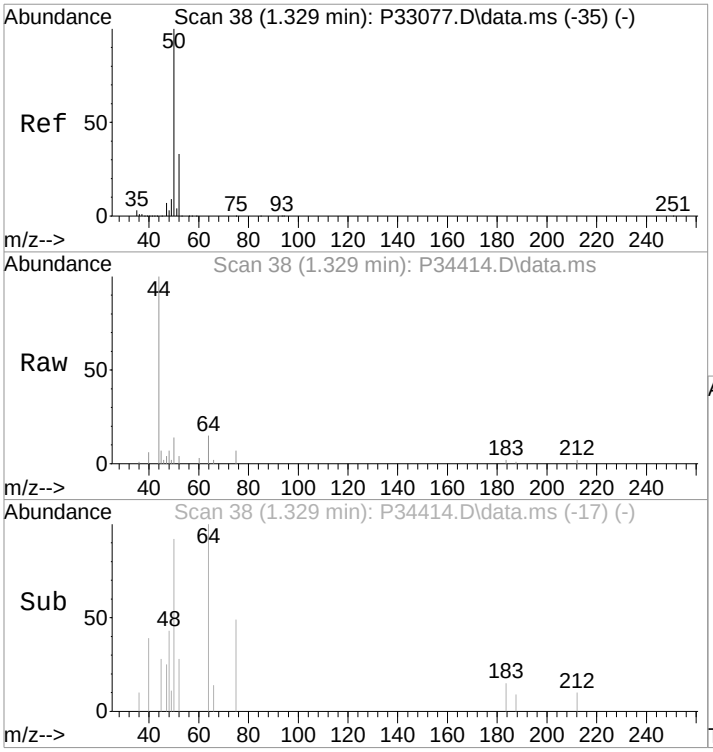
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34414.D
Acq On : 27 Mar 2020 9:14 pm
Operator : K.Ruest
Sample : R2002580-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 31 16:45:27 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



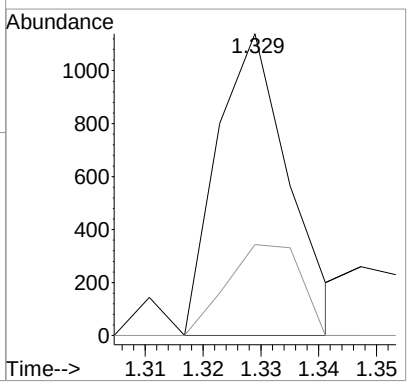
1st 03/31/20
2nd 04/02/20

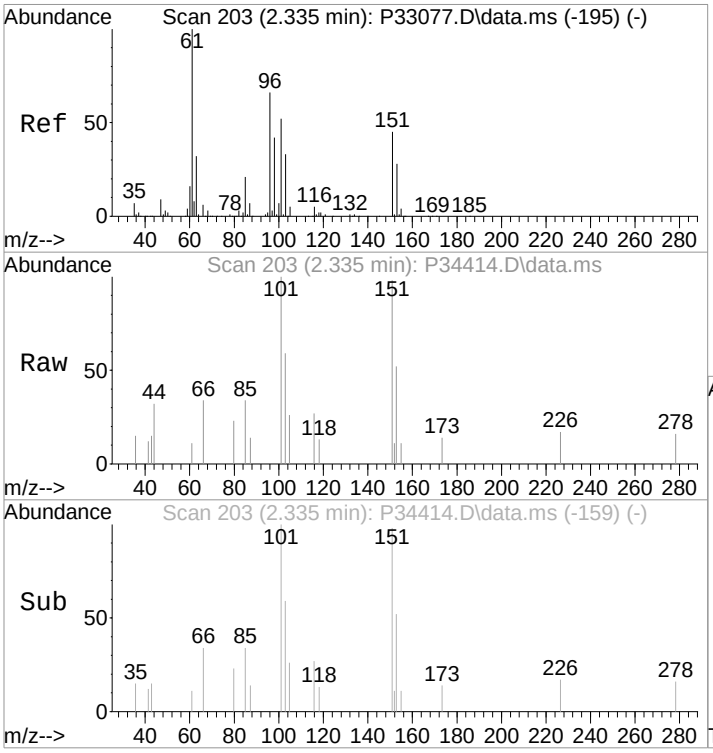


#3
Chloromethane
Concen: 0.24 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P34414.D
Acq: 27 Mar 2020 9:14 pm

Tgt Ion: 50 Resp: 990

Ion	Ratio	Lower	Upper
50	100		
52	30.1	12.7	52.7

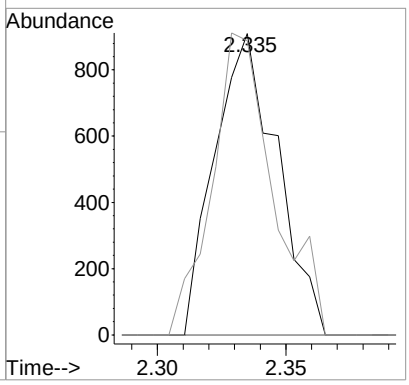


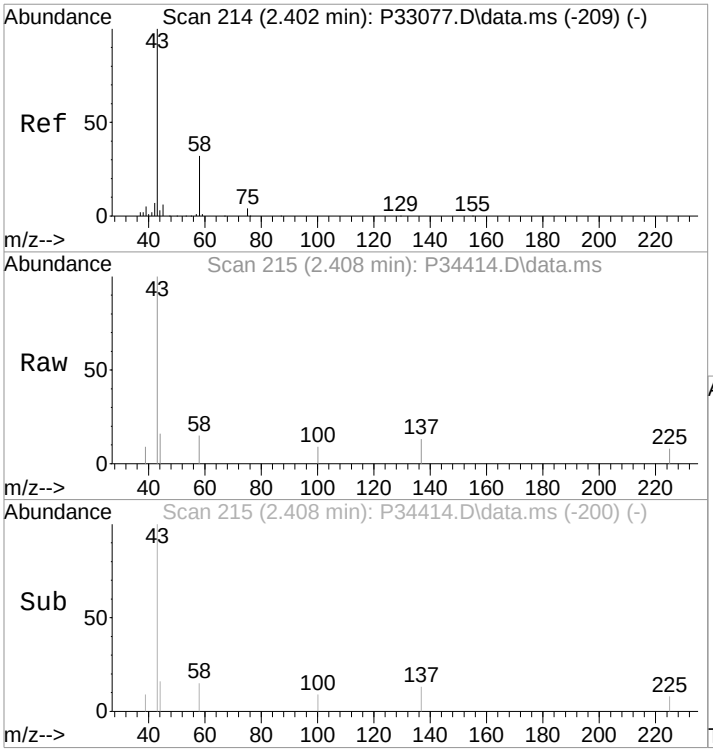


#14
Freon 113
Concen: 0.62 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P34414.D
Acq: 27 Mar 2020 9:14 pm

Tgt Ion:101 Resp: 1541

Ion	Ratio	Lower	Upper
101	100		
151	97.6	65.2	105.2

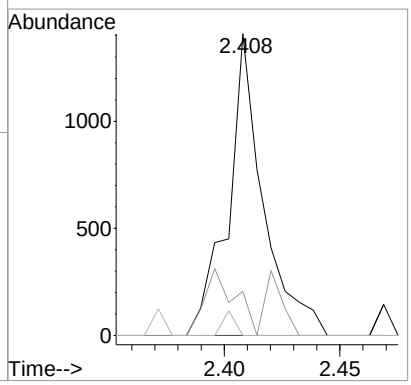


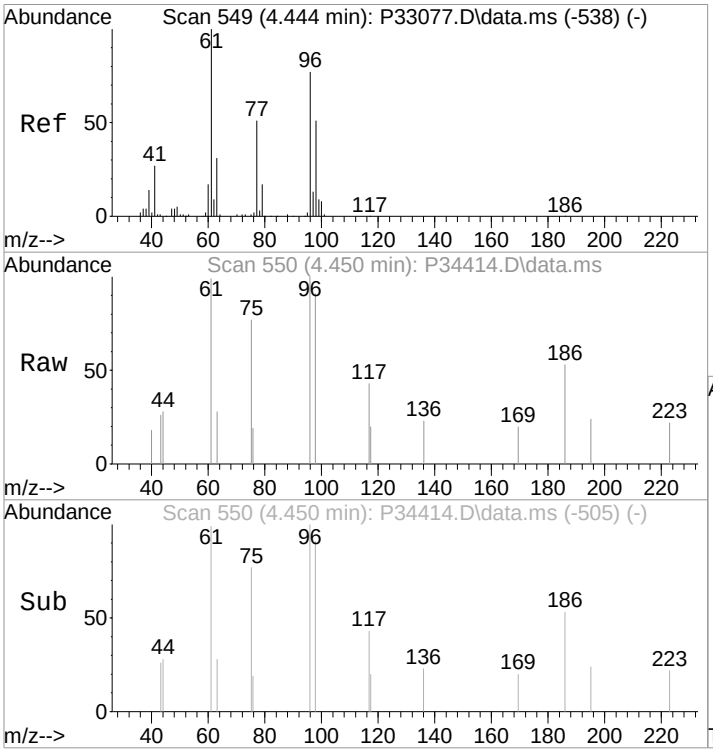


#15
Acetone
Concen: 1.05 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.018 min
Lab File: P34414.D
Acq: 27 Mar 2020 9:14 pm

Tgt Ion: 43 Resp: 1495

Ion	Ratio	Lower	Upper
43	100		
58	14.6	12.3	52.3
42	0.0	0.0	27.0

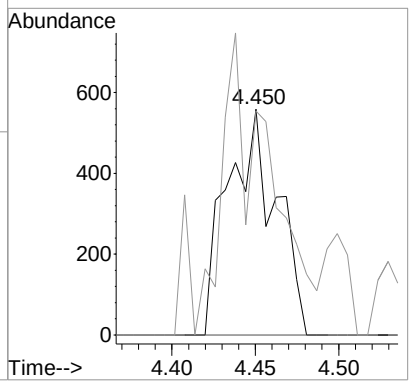


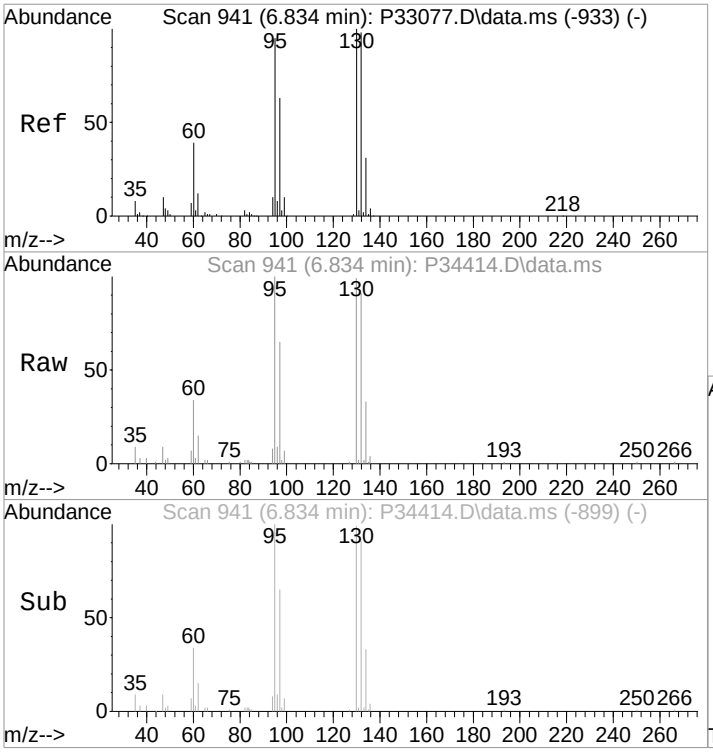


#34
cis-1,2-Dichloroethene
Concen: 0.34 ppb m
RT: 4.450 min Scan# 550
Delta R.T. 0.018 min
Lab File: P34414.D
Acq: 27 Mar 2020 9:14 pm

Tgt Ion: 96 Resp: 1142

Ion	Ratio	Lower	Upper
96	100		
61	99.1	110.1	150.1#

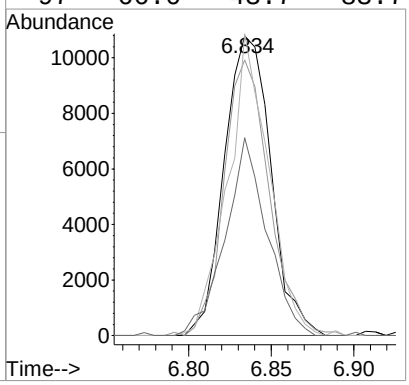




#54
Trichloroethene
Concen: 6.54 ppb
RT: 6.834 min Scan# 941
Delta R.T. 0.006 min
Lab File: P34414.D
Acq: 27 Mar 2020 9:14 pm

Tgt Ion:130 Resp: 21224

Ion	Ratio	Lower	Upper
130	100		
132	92.0	78.5	118.5
95	100.8	74.5	114.5
97	66.0	43.7	83.7

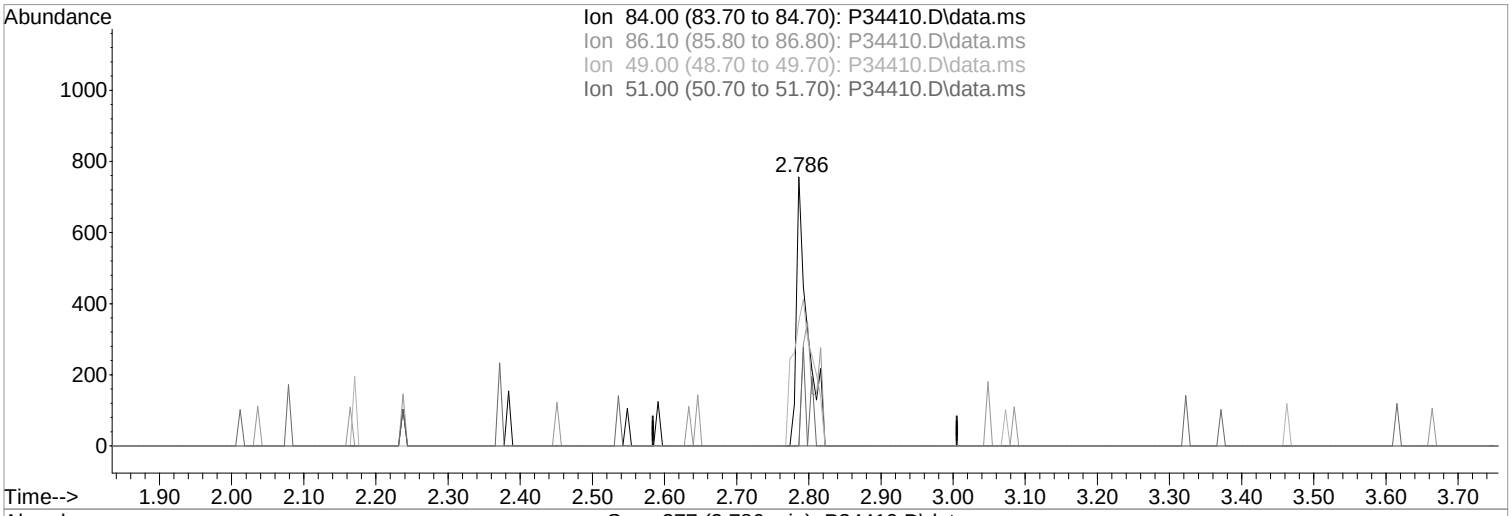


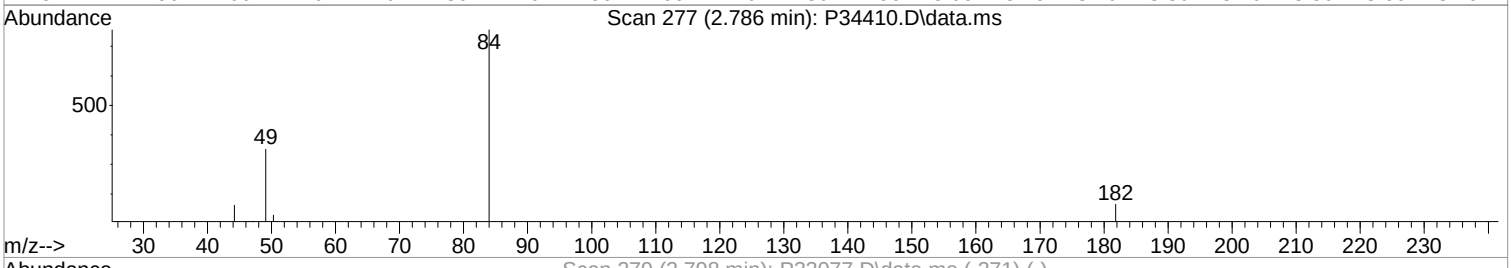
1st 03/31/20
2nd 04/02/20

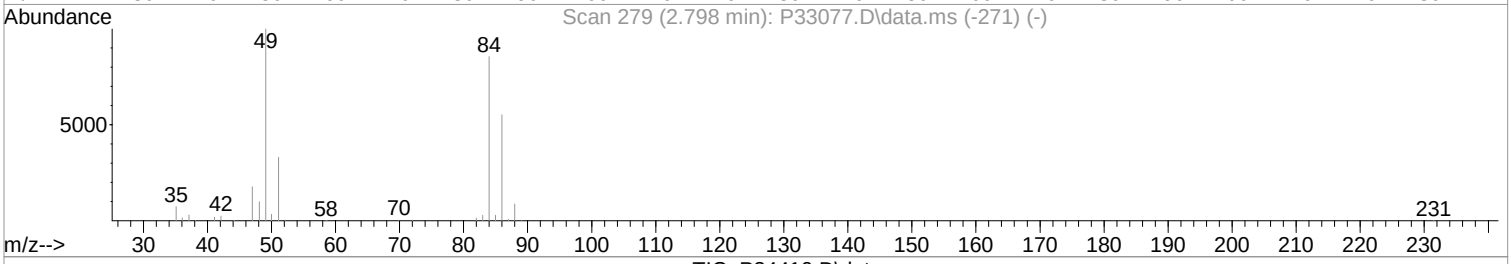
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34410.D
Acq On : 27 Mar 2020 7:47 pm
Operator : K.Ruest
Sample : R2002580-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 10:19:07 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34410.D\data.ms

(22) Methylene Chloride (P)

2.786min (-0.000) 0.23 ppb m

response 808

Ion	Exp%	Act%
84.00	100	100
86.10	64.50	0.00#
49.00	116.80	46.43#
51.00	38.50	0.00#

Manual Integration:

After

Peak not found.

03/31/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34410.D
Acq On : 27 Mar 2020 7:47 pm
Operator : K.Ruest
Sample : R2002580-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 31 16:37:44 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

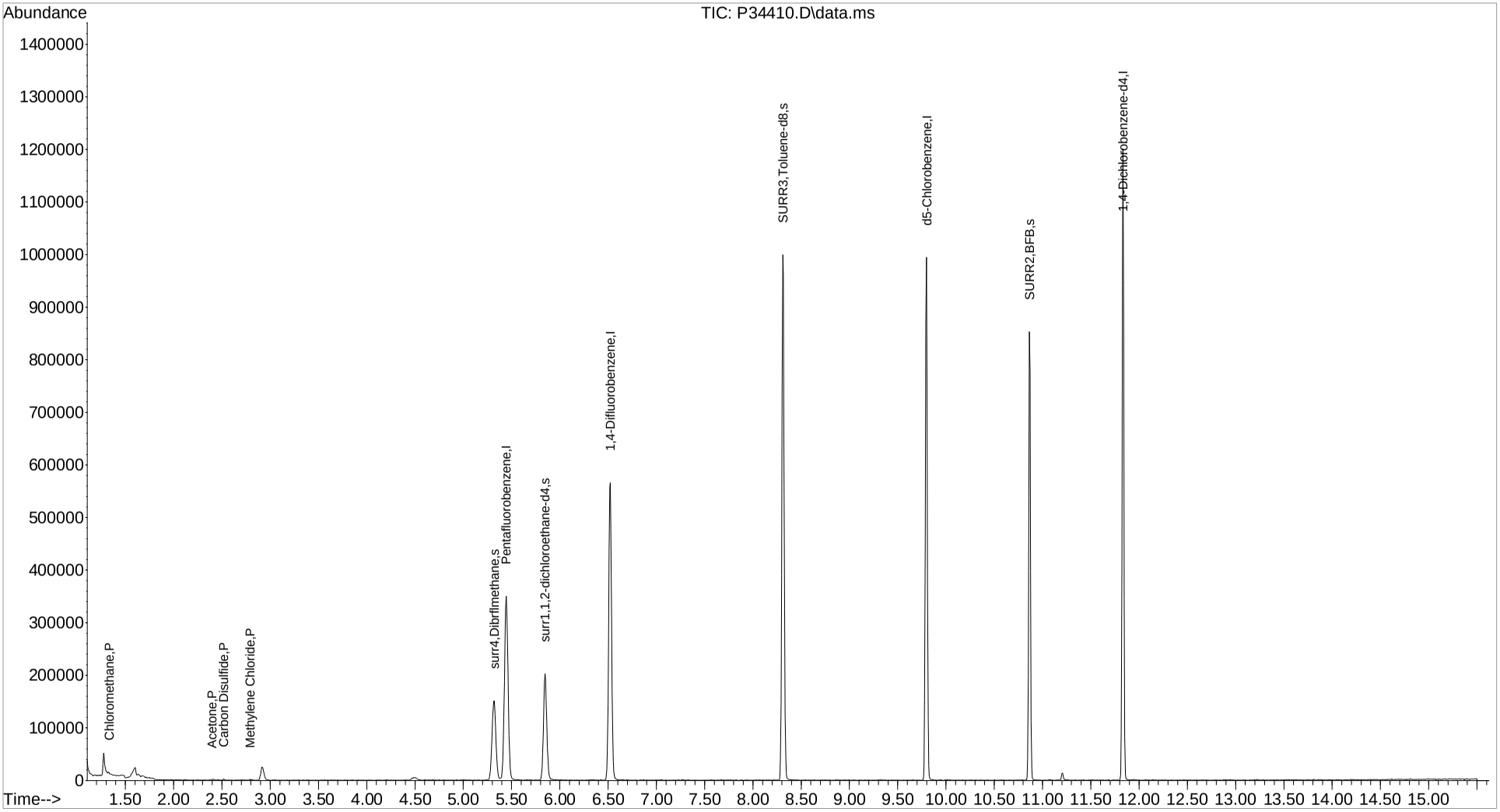
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	347719	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	529769	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	460781	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	247170	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.322	113	128531	45.94	ppb	0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 91.88%			
48) surr1,1,2-dichloroetha...	5.846	65	164942	48.61	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.22%			
65) SURR3,Toluene-d8	8.309	98	638705	48.90	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.80%			
70) SURR2,BFB	10.864	95	226983	45.00	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.00%			
Target Compounds						Qvalue
3) Chloromethane	1.329	50	1475	0.35	ppb	95
15) Acetone	2.396	43	998	0.68	ppb	84
18) Carbon Disulfide	2.518	76	1915	0.23	ppb	93
22) Methylene Chloride	2.786	84	808m	0.23	ppb	

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

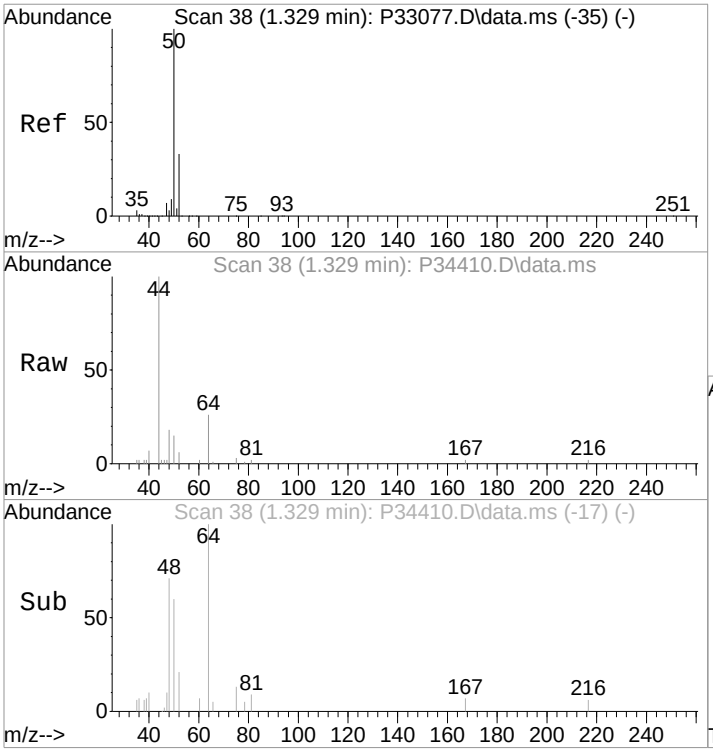
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34410.D
Acq On : 27 Mar 2020 7:47 pm
Operator : K.Ruest
Sample : R2002580-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 31 16:37:44 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



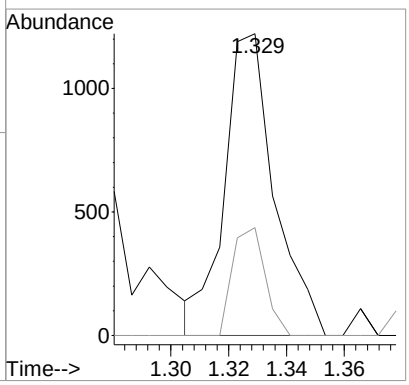
1st 03/31/20
2nd 04/02/20

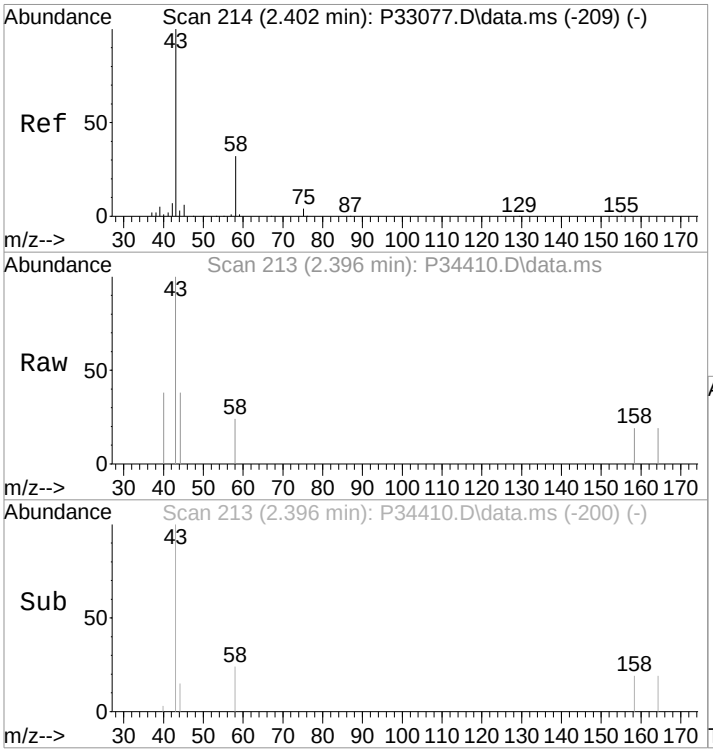


#3
Chloromethane
Concen: 0.35 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P34410.D
Acq: 27 Mar 2020 7:47 pm

Tgt Ion: 50 Resp: 1475

Ion	Ratio	Lower	Upper
50	100		
52	35.7	12.7	52.7

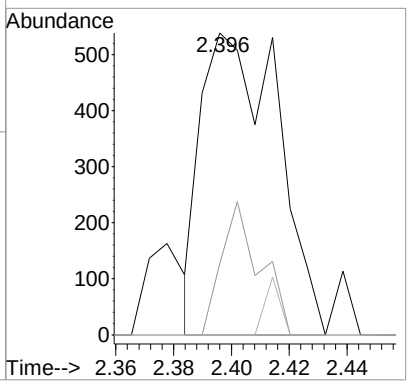


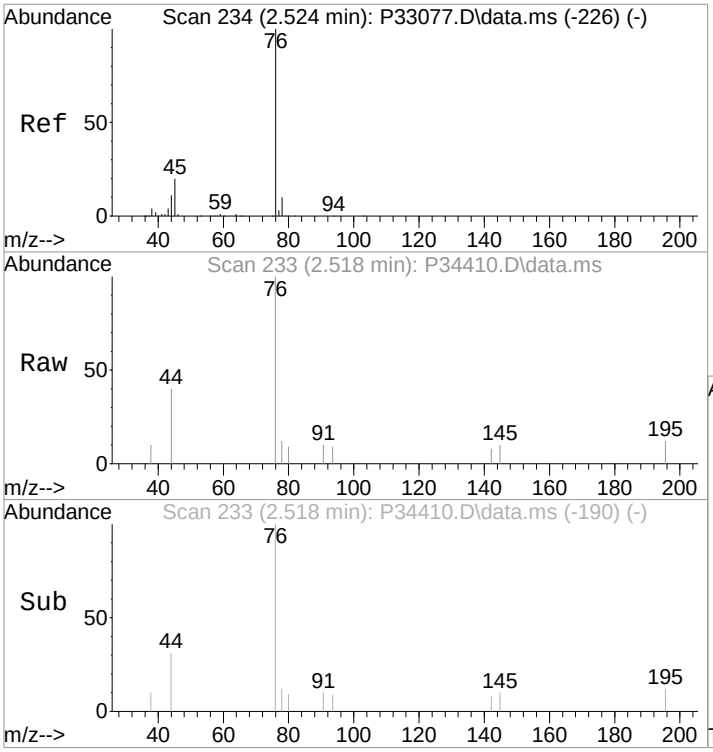


#15
Acetone
Concen: 0.68 ppb
RT: 2.396 min Scan# 213
Delta R.T. 0.006 min
Lab File: P34410.D
Acq: 27 Mar 2020 7:47 pm

Tgt Ion: 43 Resp: 998

Ion	Ratio	Lower	Upper
43	100		
58	23.6	12.3	52.3
42	0.0	0.0	27.0

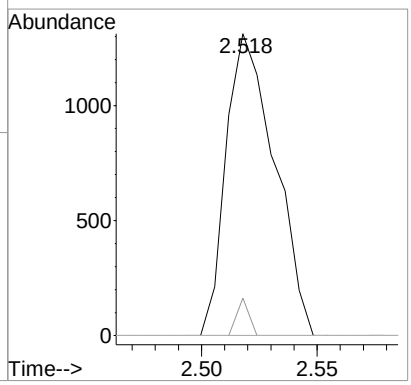


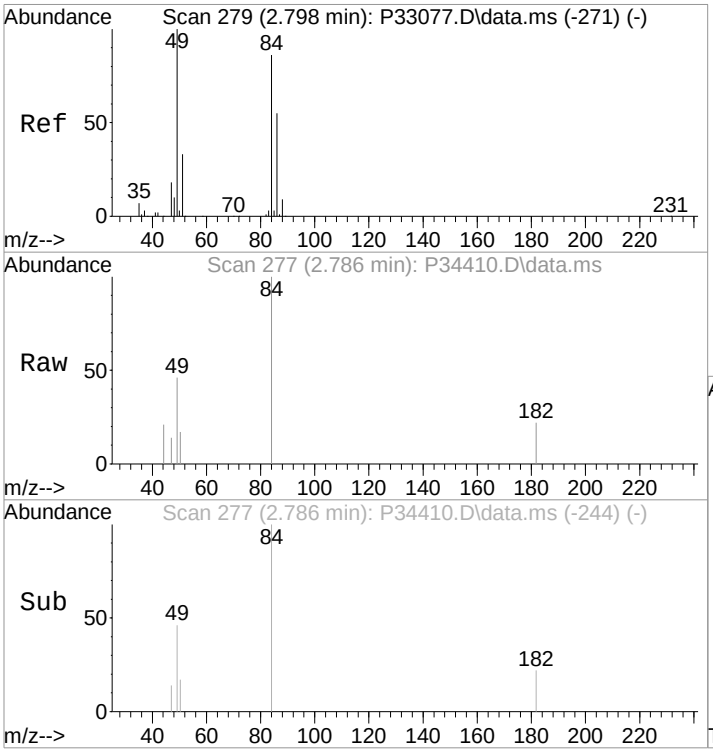


#18
Carbon Disulfide
Concen: 0.23 ppb
RT: 2.518 min Scan# 233
Delta R.T. 0.006 min
Lab File: P34410.D
Acq: 27 Mar 2020 7:47 pm

Tgt Ion: 76 Resp: 1915

Ion	Ratio	Lower	Upper
76	100		
78	12.5	0.0	29.9
77	0.0	0.0	22.7

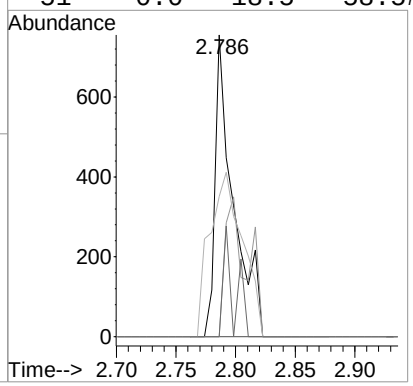




#22
Methylene Chloride
Concen: 0.23 ppb m
RT: 2.786 min Scan# 277
Delta R.T. -0.000 min
Lab File: P34410.D
Acq: 27 Mar 2020 7:47 pm

Tgt Ion: 84 Resp: 808

Ion	Ratio	Lower	Upper
84	100		
86	0.0	44.5	84.5#
49	46.4	96.8	136.8#
51	0.0	18.5	58.5#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34411.D
Acq On : 27 Mar 2020 8:09 pm
Operator : K.Ruest
Sample : R2002580-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 31 16:39:02 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

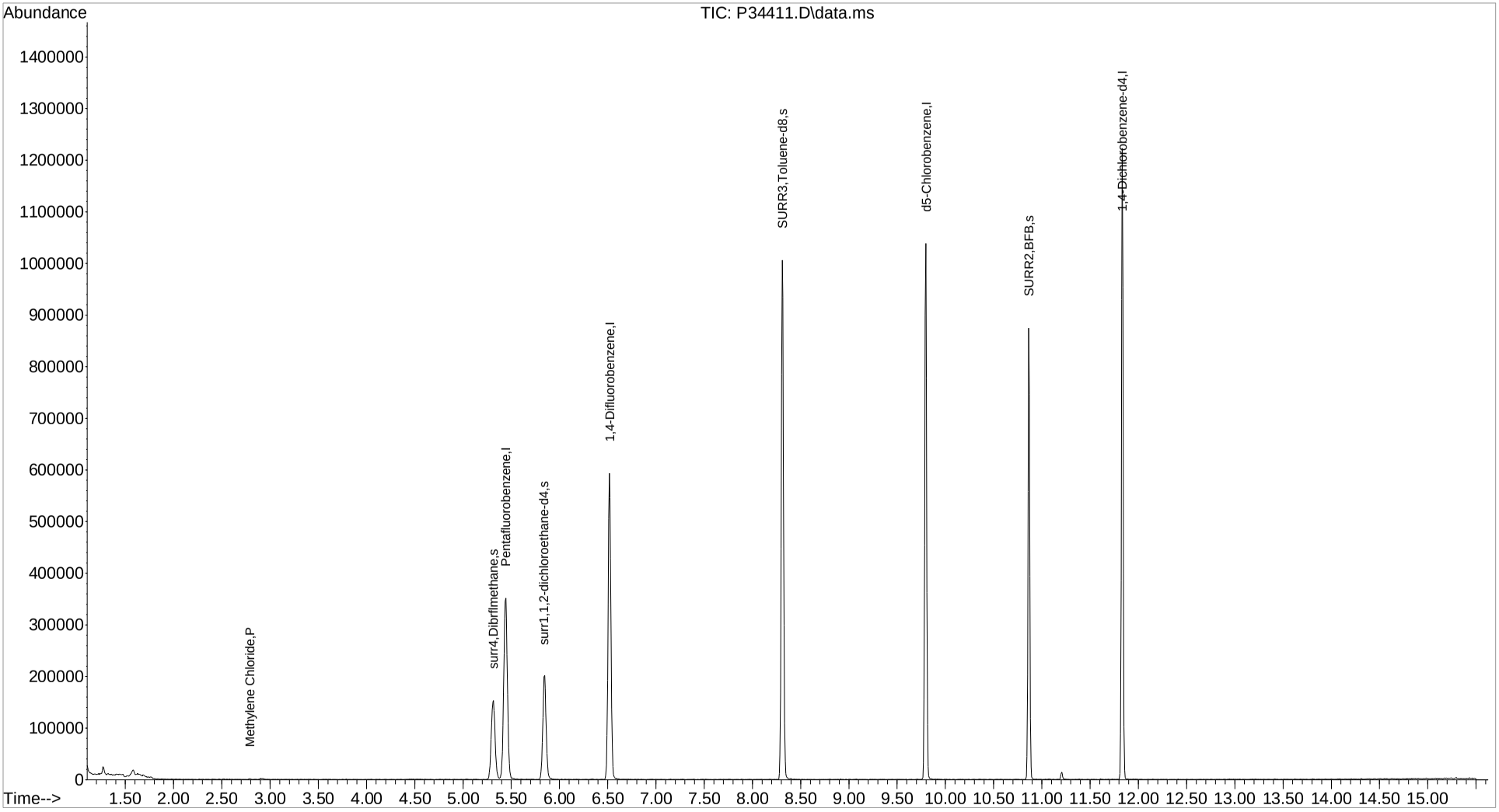
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	357683	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.517	114	539451	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	471027	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	256489	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.316	113	128201	45.00	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.00%			
48) surr1,1,2-dichloroetha...	5.840	65	167027	48.34	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.68%			
65) SURR3,Toluene-d8	8.309	98	645362	48.52	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.04%			
70) SURR2,BFB	10.864	95	227828	44.36	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 88.72%			
Target Compounds						Qvalue
22) Methylene Chloride	2.786	84	756	0.21	ppb	# 65

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

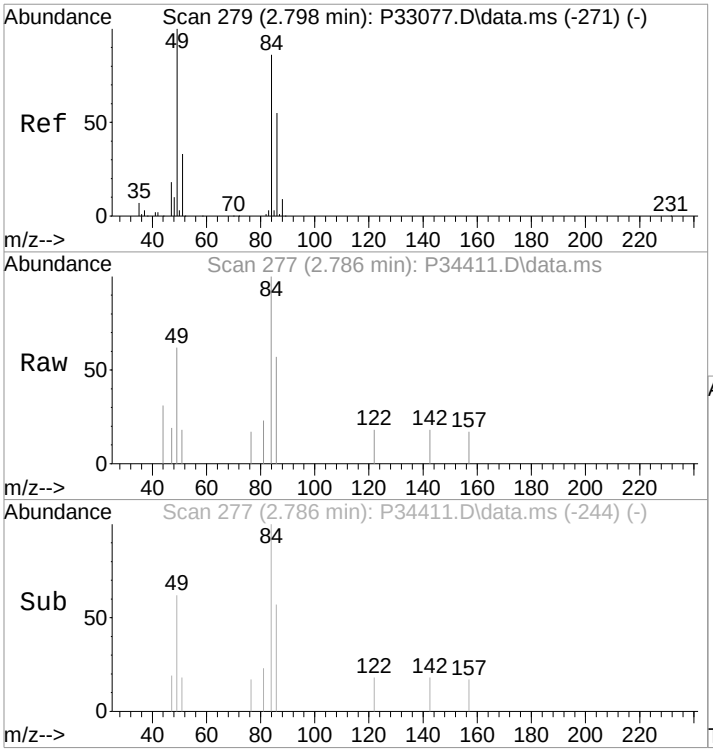
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34411.D
Acq On : 27 Mar 2020 8:09 pm
Operator : K.Ruest
Sample : R2002580-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 31 16:39:02 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



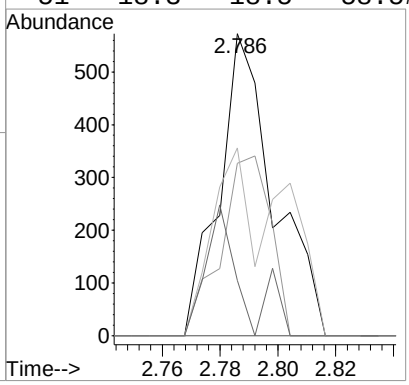
1st 03/31/20
2nd 04/02/20



#22
Methylene Chloride
Concen: 0.21 ppb
RT: 2.786 min Scan# 277
Delta R.T. -0.000 min
Lab File: P34411.D
Acq: 27 Mar 2020 8:09 pm

Tgt Ion: 84 Resp: 756

Ion	Ratio	Lower	Upper
84	100		
86	57.1	44.5	84.5
49	62.1	96.8	136.8#
51	18.3	18.5	58.5#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34397.D
Acq On : 27 Mar 2020 2:34 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 27 14:54:56 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

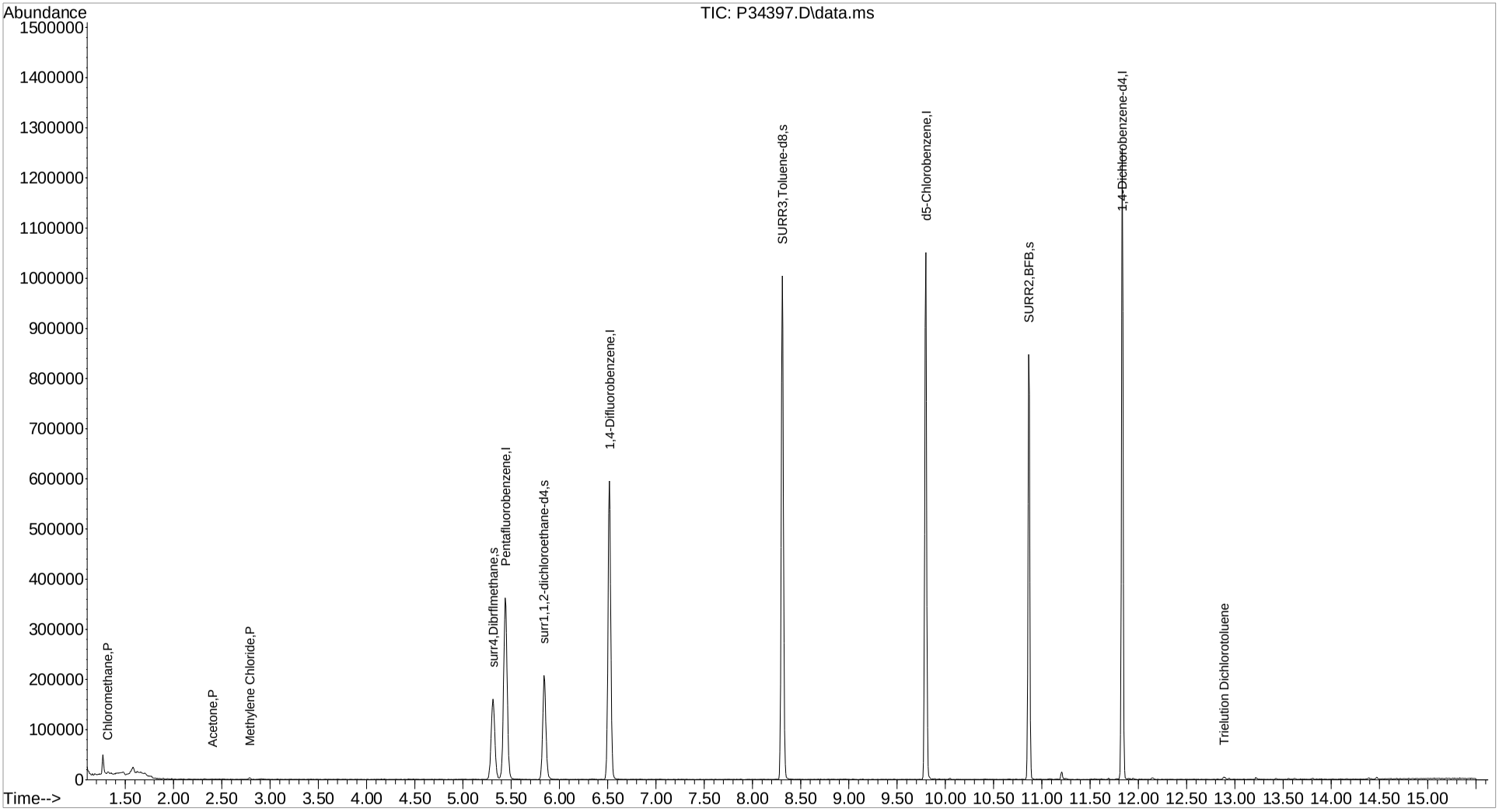
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.438	168	352486	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	535038	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	474024	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	255067	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	130090	46.03	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.06%				
48) surr1,1,2-dichloroetha...	5.840	65	163455	47.69	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 95.38%				
65) SURR3,Toluene-d8	8.309	98	635766	48.19	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.38%				
70) SURR2,BFB	10.864	95	230949	45.34	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 90.68%				
Target Compounds							Qvalue
3) Chloromethane	1.317	50	1477	0.34	ppb		77
15) Acetone	2.402	43	1199	0.81	ppb		88
22) Methylene Chloride	2.786	84	1064	0.30	ppb		94
112) Trielution Dichlorotol...	12.888	125	1780	0.26	ppb	#	75

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

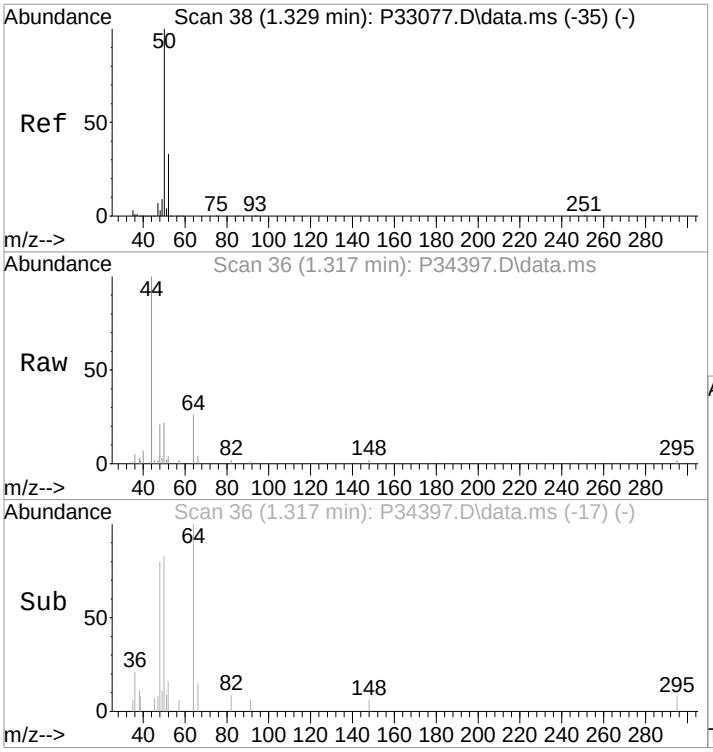
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34397.D
Acq On : 27 Mar 2020 2:34 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 27 14:54:56 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



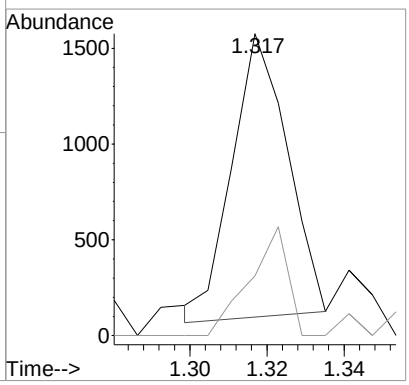
1st 03/27/20
2nd 04/02/20

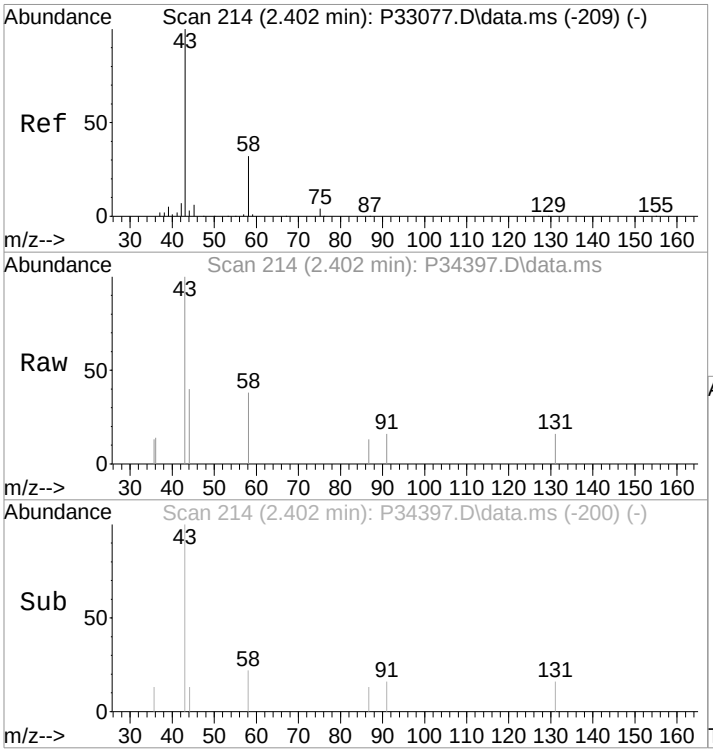


#3
Chloromethane
Concen: 0.34 ppb
RT: 1.317 min Scan# 36
Delta R.T. -0.000 min
Lab File: P34397.D
Acq: 27 Mar 2020 2:34 pm

Tgt Ion: 50 Resp: 1477

Ion	Ratio	Lower	Upper
50	100		
52	19.7	12.7	52.7

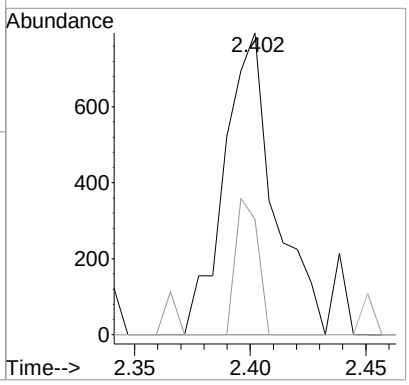


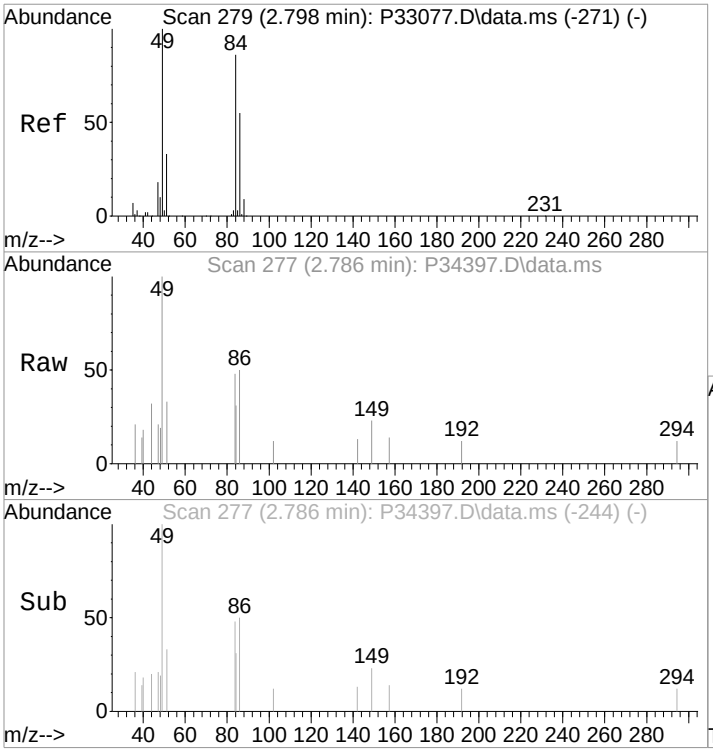


#15
Acetone
Concen: 0.81 ppb
RT: 2.402 min Scan# 214
Delta R.T. 0.012 min
Lab File: P34397.D
Acq: 27 Mar 2020 2:34 pm

Tgt Ion: 43 Resp: 1199

Ion	Ratio	Lower	Upper
43	100		
58	38.2	12.3	52.3
42	0.0	0.0	27.0

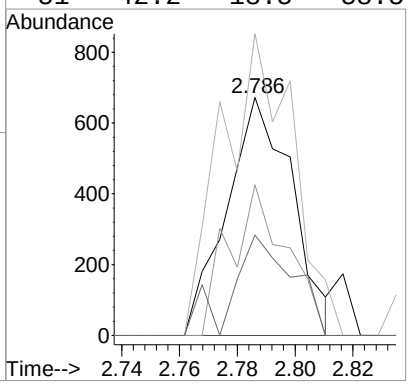


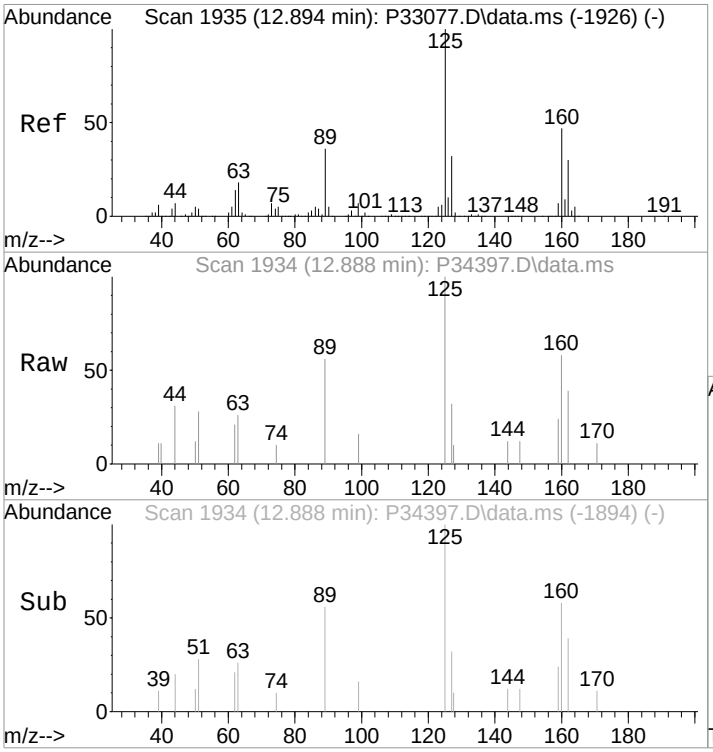


#22
Methylene Chloride
Concen: 0.30 ppb
RT: 2.786 min Scan# 277
Delta R.T. -0.000 min
Lab File: P34397.D
Acq: 27 Mar 2020 2:34 pm

Tgt Ion: 84 Resp: 1064

Ion	Ratio	Lower	Upper
84	100		
86	63.3	44.5	84.5
49	126.7	96.8	136.8
51	42.2	18.5	58.5

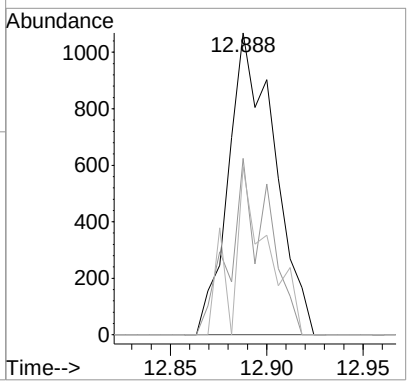




#112
Trielution Dichlorotoluene
Concen: 0.26 ppb
RT: 12.888 min Scan# 1934
Delta R.T. -0.006 min
Lab File: P34397.D
Acq: 27 Mar 2020 2:34 pm

Tgt Ion:125 Resp: 1780

Ion	Ratio	Lower	Upper
125	100		
160	58.4	37.5	56.3#
89	55.7	28.5	42.7#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34429.D
Acq On : 30 Mar 2020 12:59 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 13:18:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

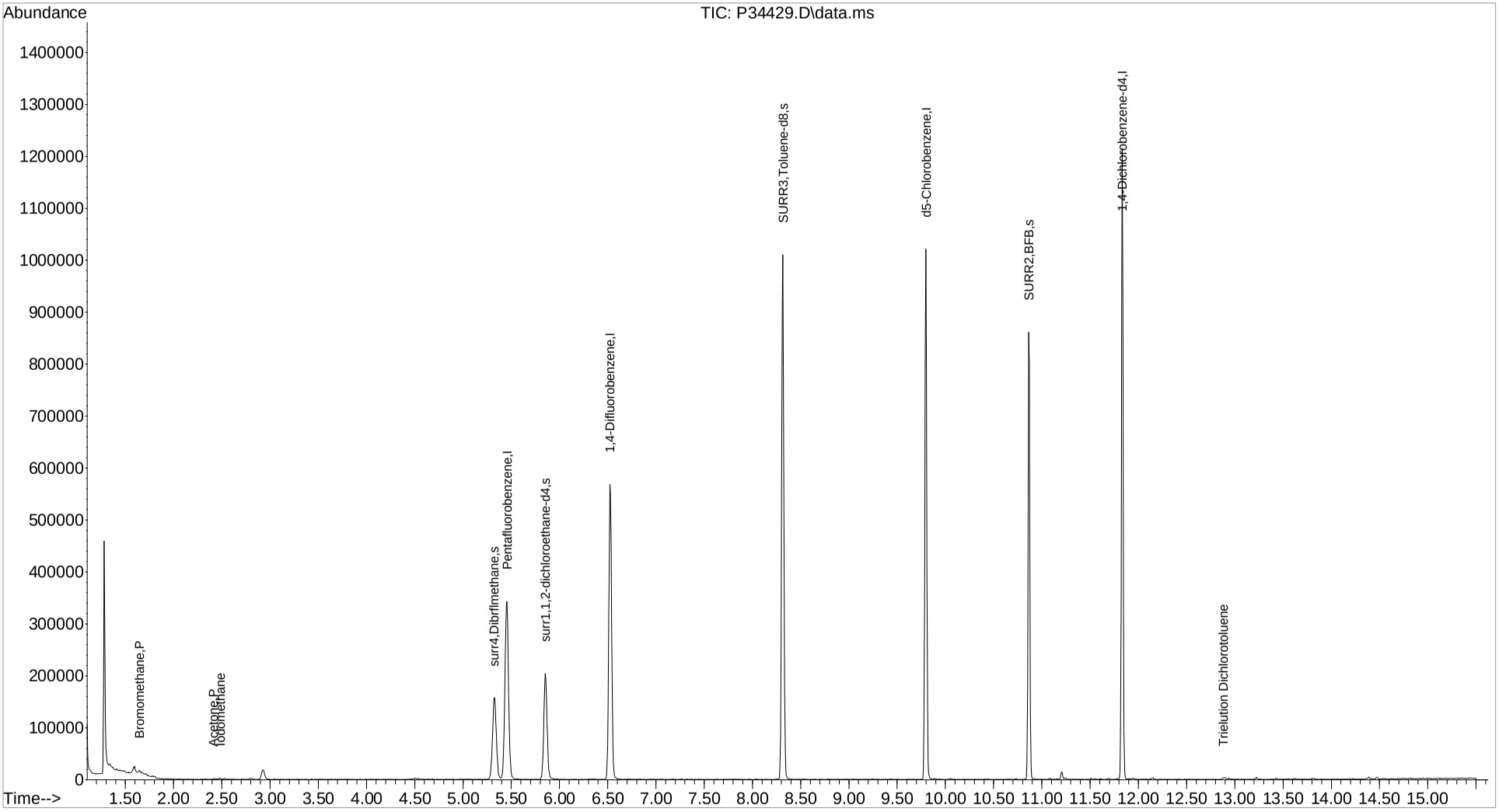
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.456	168	341509	50.00	ppb		0.02
43) 1,4-Difluorobenzene	6.523	114	521009	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	458952	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	244174	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	134791	48.98	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.96%				
48) surr1,1,2-dichloroetha...	5.853	65	165337	49.54	ppb		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.08%				
65) SURR3,Toluene-d8	8.315	98	634838	49.42	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.84%				
70) SURR2,BFB	10.864	95	230572	46.48	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.96%				
Target Compounds							Qvalue
5) Bromomethane	1.646	94	2491	0.75	ppb		88
15) Acetone	2.414	43	1253	0.87	ppb		78
17) Iodomethane	2.481	142	1333	2.27	ppb	#	36
112) Trielution Dichlorotol...	12.882	125	1757	0.27	ppb	#	76

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

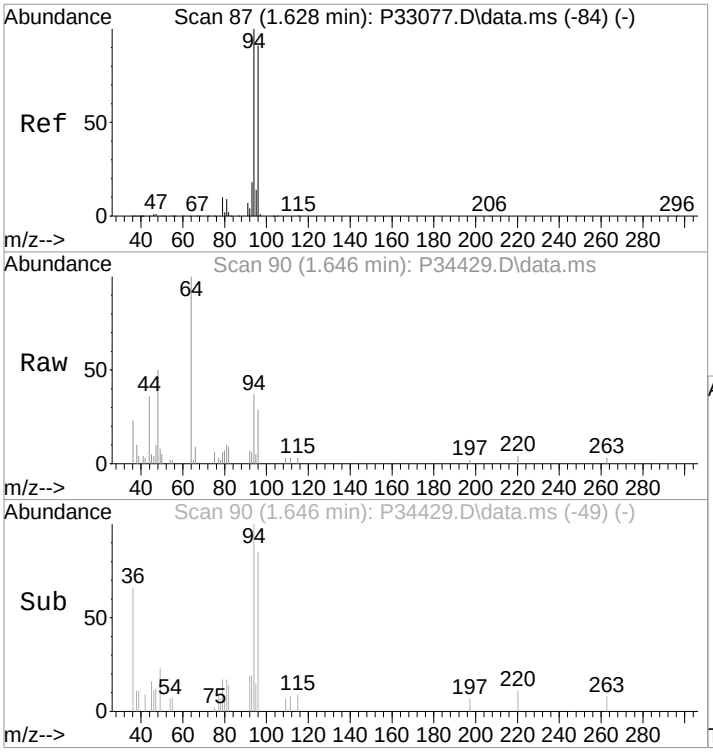
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34429.D
Acq On : 30 Mar 2020 12:59 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 30 13:18:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



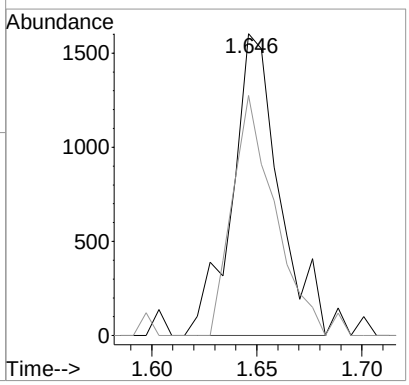
1st 03/30/20
2nd 04/03/20

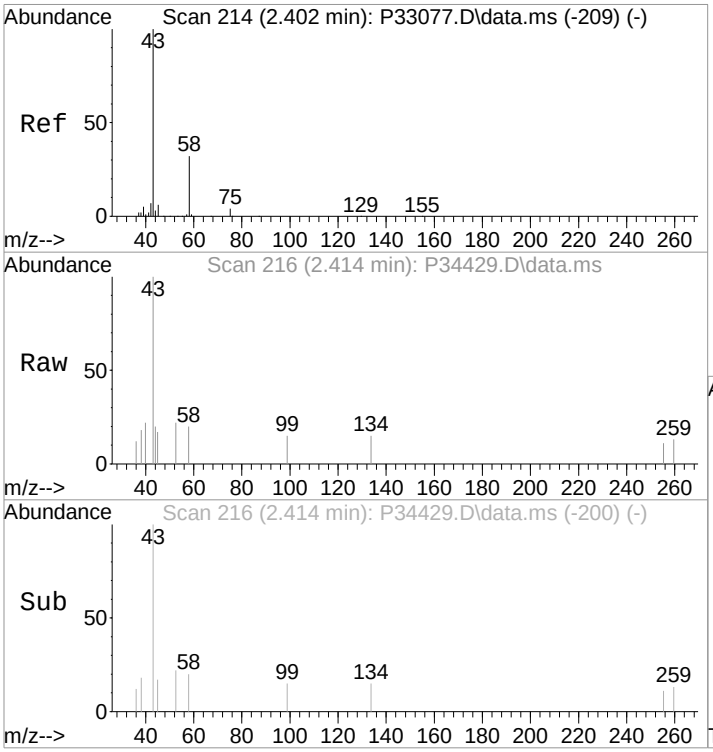


#5
Bromomethane
Concen: 0.75 ppb
RT: 1.646 min Scan# 90
Delta R.T. 0.024 min
Lab File: P34429.D
Acq: 30 Mar 2020 12:59 pm

Tgt Ion: 94 Resp: 2491

Ion	Ratio	Lower	Upper
94	100		
96	79.5	71.1	111.1

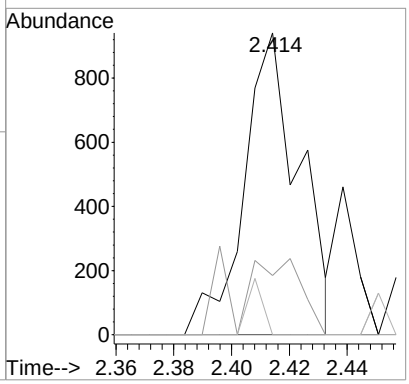


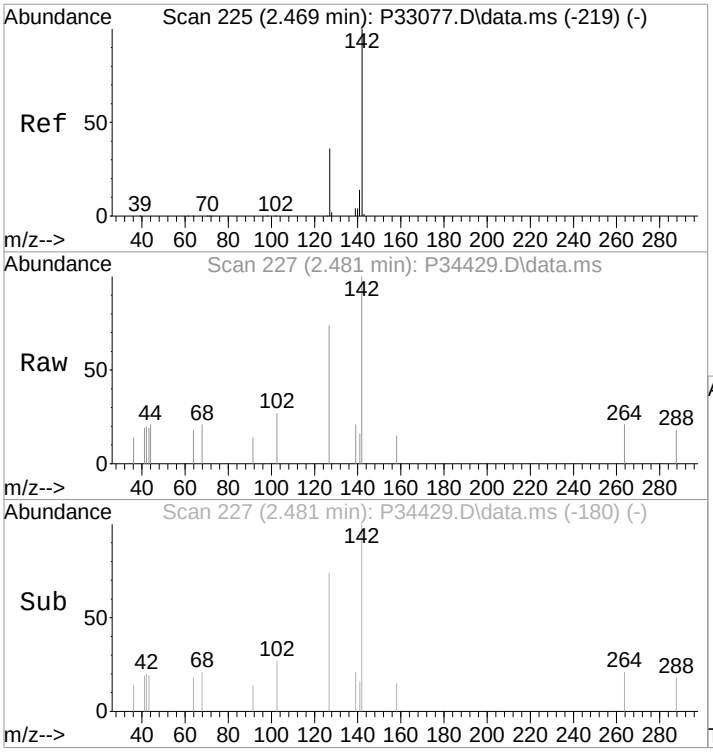


#15
Acetone
Concen: 0.87 ppb
RT: 2.414 min Scan# 216
Delta R.T. 0.024 min
Lab File: P34429.D
Acq: 30 Mar 2020 12:59 pm

Tgt Ion: 43 Resp: 1253

Ion	Ratio	Lower	Upper
43	100		
58	19.7	12.3	52.3
42	0.0	0.0	27.0

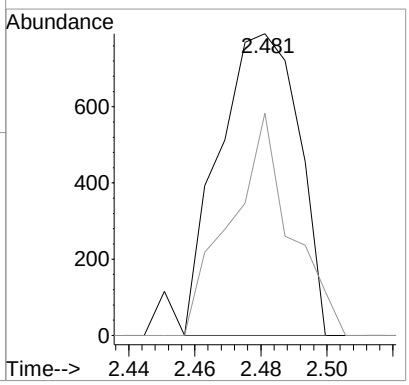


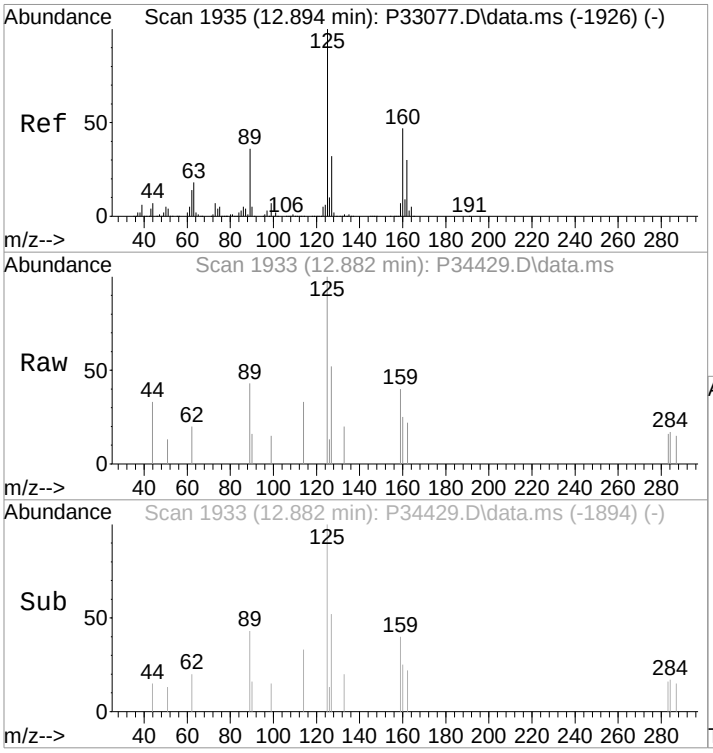


#17
Iodomethane
Concen: 2.27 ppb
RT: 2.481 min Scan# 227
Delta R.T. 0.025 min
Lab File: P34429.D
Acq: 30 Mar 2020 12:59 pm

Tgt Ion:142 Resp: 1333

Ion	Ratio	Lower	Upper
142	100		
127	73.6	15.8	55.8#

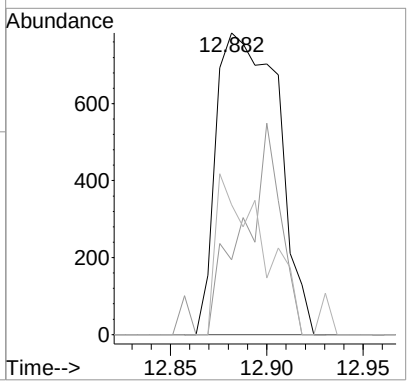




#112
Trielution Dichlorotoluene
Concen: 0.27 ppb
RT: 12.882 min Scan# 1933
Delta R.T. -0.012 min
Lab File: P34429.D
Acq: 30 Mar 2020 12:59 pm

Tgt Ion:125 Resp: 1757

Ion	Ratio	Lower	Upper
125	100		
160	24.7	37.5	56.3#
89	43.0	28.5	42.7#



1st 03/30/20
2nd 04/03/20

LSC Area Percent Report

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34429.D
Acq On : 30 Mar 2020 12:59 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: INTP90.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

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

Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Title : MS#12 - 8260B WATERS 10mL Purge

Signal : TIC: P34429.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.280	27	30	37	rBV	448024	443848	27.75%	4.936%
2	1.597	76	82	87	rBV3	12519	20149	1.26%	0.224%
3	2.920	290	299	313	rBV2	18444	44890	2.81%	0.499%
4	5.328	680	694	704	rBV	157531	429725	26.86%	4.779%
5	5.456	704	715	729	rVB	342521	899213	56.21%	9.999%
6	5.853	769	780	794	rBV	204234	479663	29.99%	5.334%
7	6.523	879	890	906	rBV	568685	1157528	72.36%	12.872%
8	8.315	1177	1184	1193	rBV	1009160	1599622	100.00%	17.788%
9	9.797	1420	1427	1437	rBV	1021193	1367115	85.46%	15.202%
10	10.864	1597	1602	1609	rVB	860814	1082246	67.66%	12.035%
11	11.205	1654	1658	1662	rBV3	14695	18169	1.14%	0.202%
12	11.833	1755	1761	1769	rBV	1214475	1450609	90.68%	16.131%

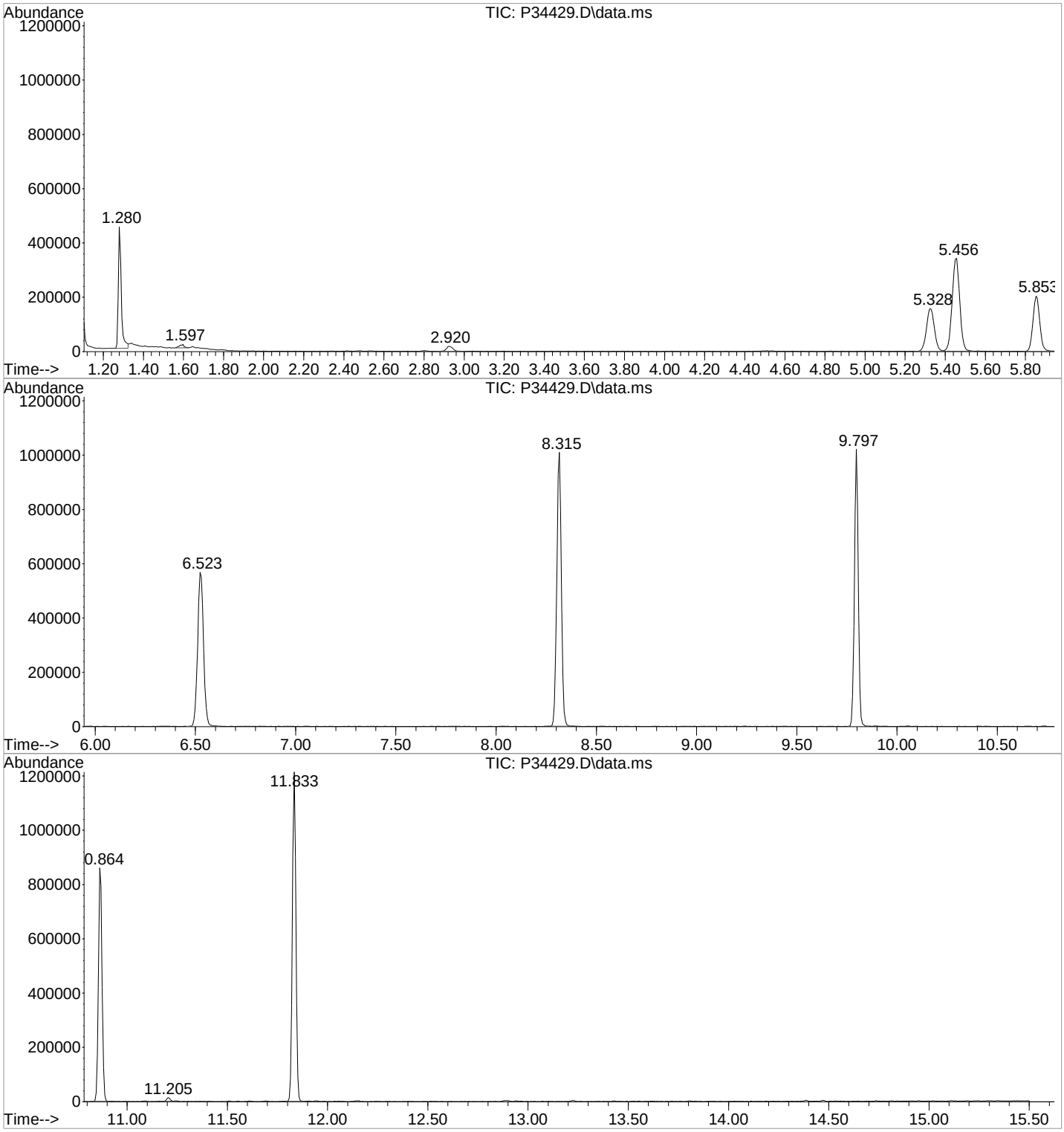
Sum of corrected areas: 8992777

LSC Report - Integrated Chromatogram

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34429.D
Acq On : 30 Mar 2020 12:59 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge

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



Library Search Compound Report

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34429.D
Acq On : 30 Mar 2020 12:59 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge

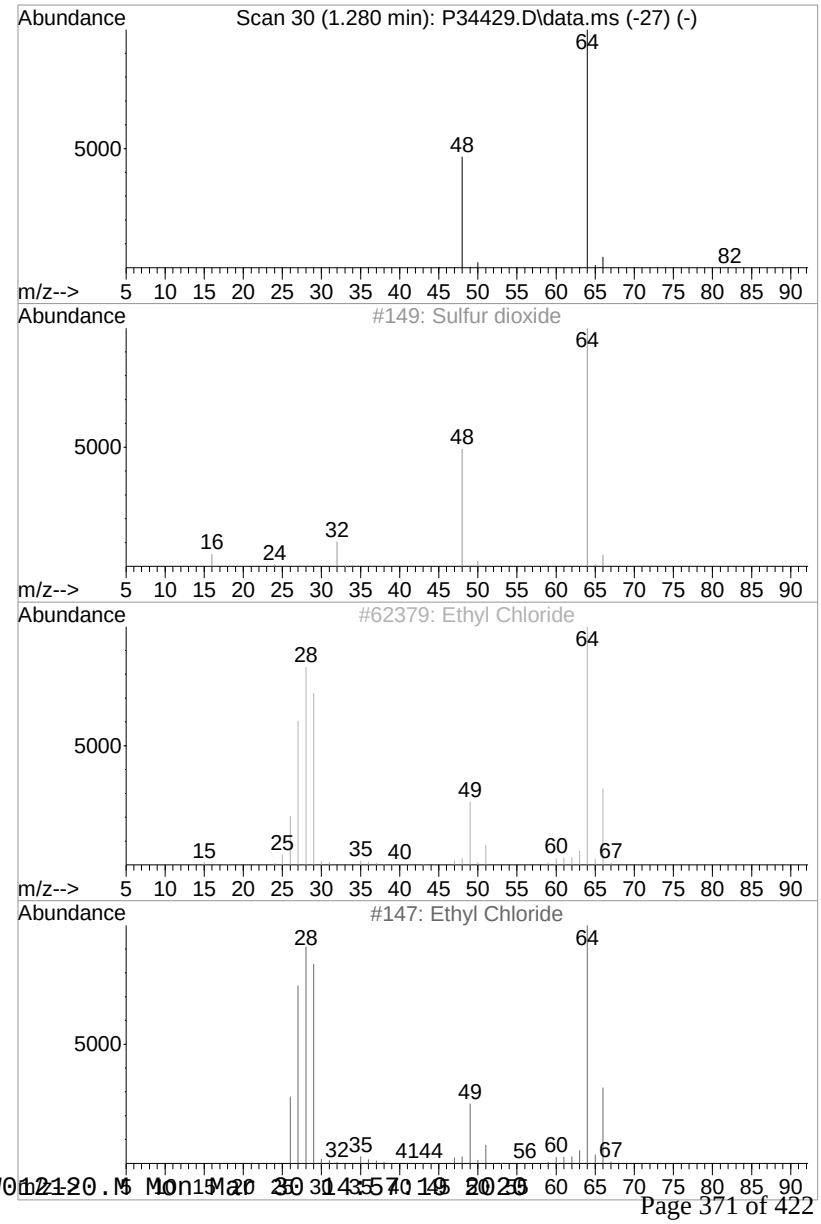
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

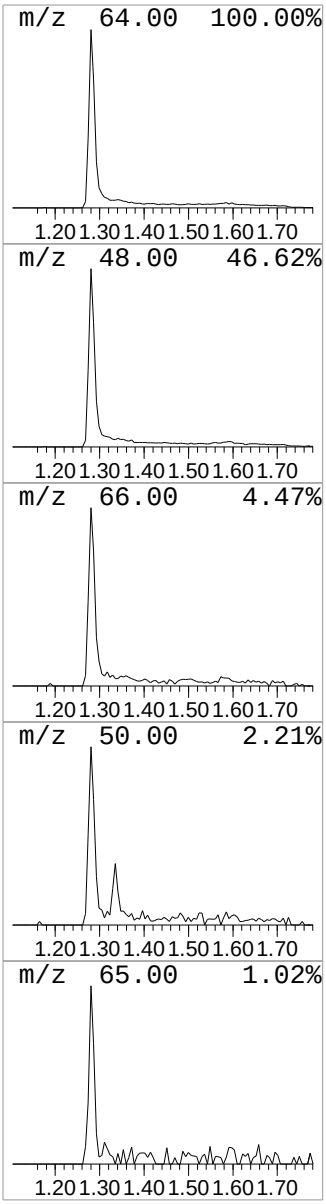
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.280	24.68 ppb	443848	Pentafluorobenzene	5.456

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
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 03/30/20
2nd 04/03/20

Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34429.D
Acq On : 30 Mar 2020 12:59 pm
Operator : K.Ruest
Sample : MBLK-FP Inst : MSVOA-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge

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

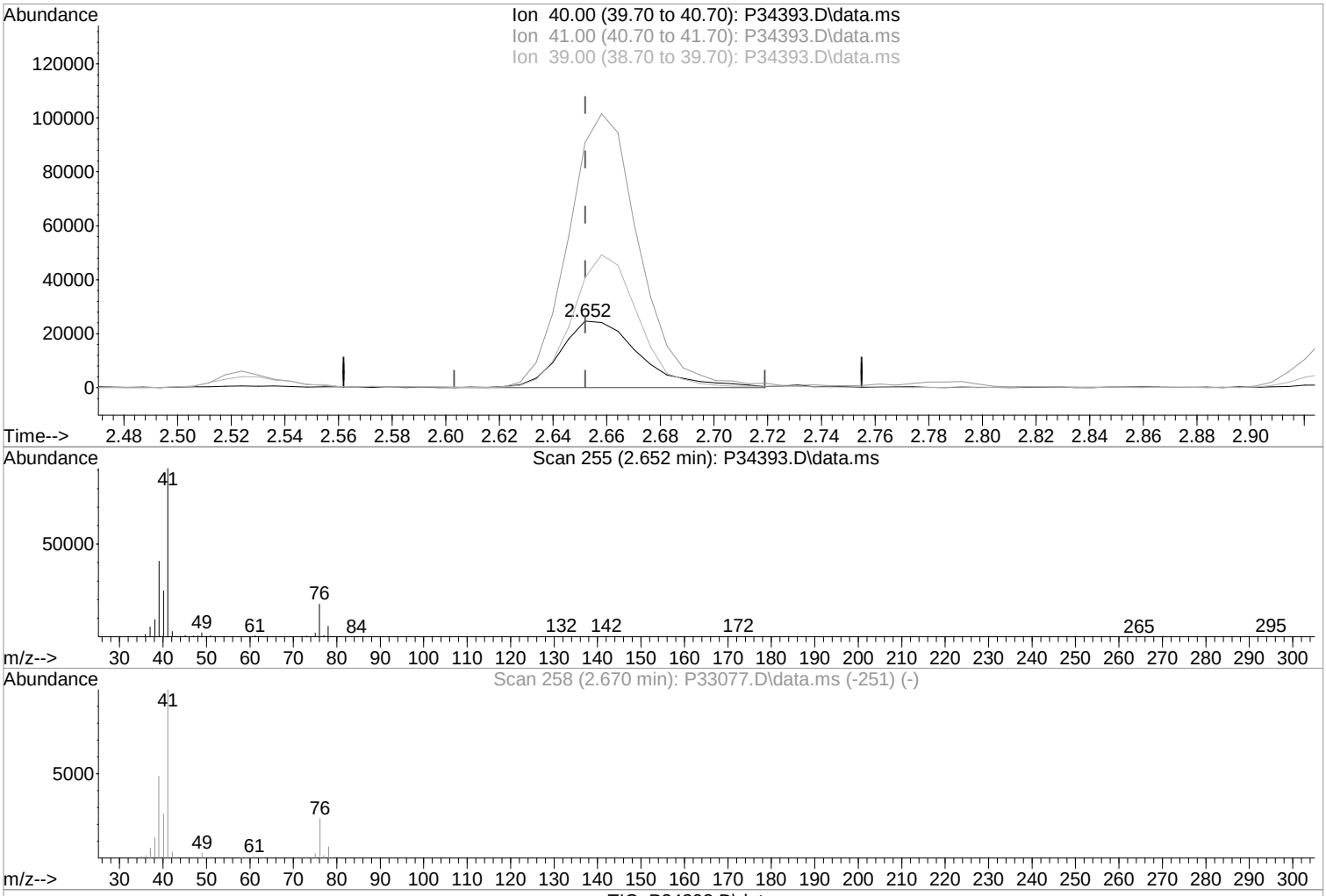
					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.280	24.7	ppb	443848	1	5.456	899213	50.0

1st 03/27/20
2nd 04/02/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34393.D
Acq On : 27 Mar 2020 12:45 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 13:23:04 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34393.D\data.ms

(19) Acetonitrile

2.652min (-0.000) 205.48 ppb

response 51279

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	367.92
39.00	187.40	165.00#
0.00	0.00	0.00

Manual Integration:

Before

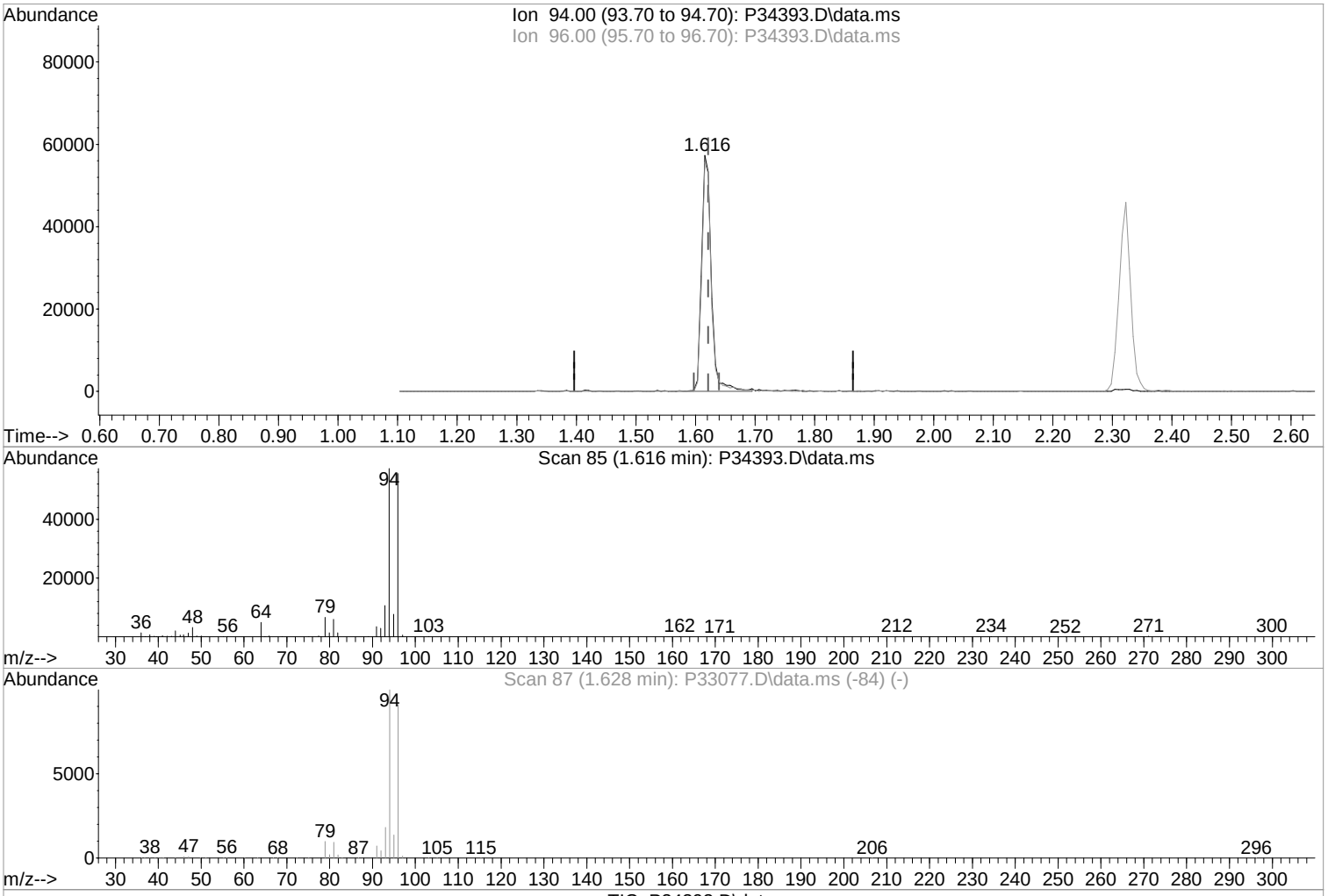
03/27/20

1st 03/27/20
2nd 04/02/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34393.D
Acq On : 27 Mar 2020 12:45 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 13:23:04 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34393.D\data.ms

(5) Bromomethane (P)

1.616min (-0.006) 19.04 ppb m

response 66332

Ion	Exp%	Act%
94.00	100	100
96.00	91.10	96.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

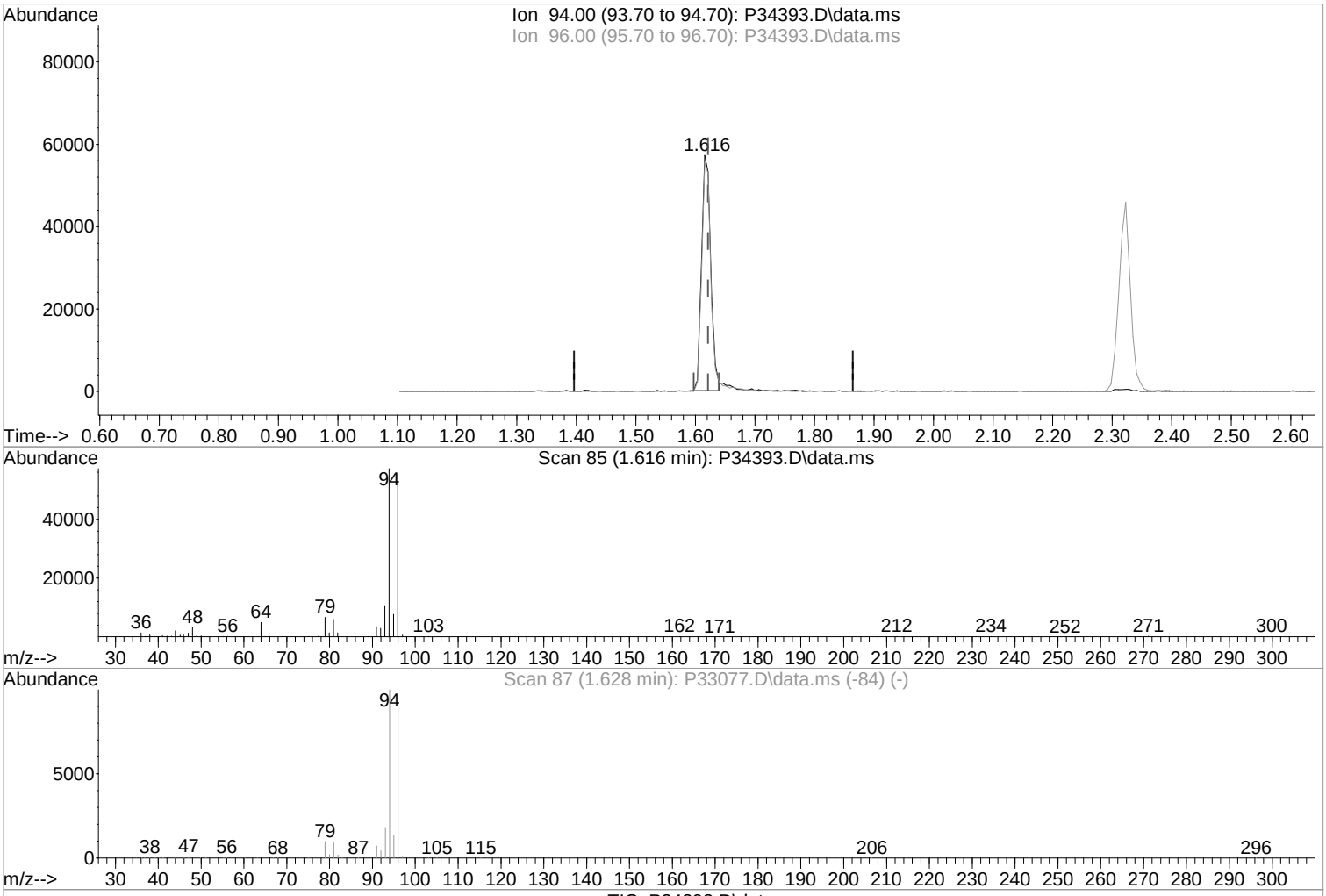
Poor integration.

03/27/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34393.D
Acq On : 27 Mar 2020 12:45 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 13:23:04 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34393.D\data.ms

(5) Bromomethane (P)

1.616min (-0.006) 17.92 ppb

response 62456

Ion	Exp%	Act%
94.00	100	100
96.00	91.10	96.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/27/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34393.D
Acq On : 27 Mar 2020 12:45 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 13:28:10 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.438	168	358311	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	544730	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	486377	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	266710	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	139835	48.60	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.20%				
48) surr1,1,2-dichloroetha...	5.840	65	171113	49.04	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.08%				
65) SURR3,Toluene-d8	8.309	98	666987	49.66	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.32%				
70) SURR2,BFB	10.864	95	245614	47.36	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.72%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	94739	23.72	ppb		98
3) Chloromethane	1.317	50	109717	25.09	ppb		98
4) Vinyl Chloride	1.390	62	106693	23.49	ppb		97
5) Bromomethane	1.616	94	66332m	19.04	ppb		
6) Chloroethane	1.695	64	73646	26.03	ppb		95
7) Freon 21	1.853	67	104822	20.65	ppb		98
8) Trichlorofluoromethane	1.890	101	94724	23.49	ppb		99
9) Diethyl Ether	2.134	59	69553	22.11	ppb		98
10) Freon 123a	2.140	67	60261	18.41	ppb		89
11) Freon 123	2.195	83	71495	17.89	ppb		96
12) Acrolein	2.256	56	33150	35.85	ppb		91
13) 1,1-Diclethene	2.323	96	61948	22.15	ppb		96
14) Freon 113	2.323	101	60770	23.10	ppb		99
15) Acetone	2.390	43	32065	21.28	ppb		91
16) 2-Propanol	2.524	45	127893	420.95	ppb		100
17) Iodomethane	2.457	142	47575	12.48	ppb		97
18) Carbon Disulfide	2.512	76	188439	22.07	ppb		98
19) Acetonitrile	2.652	40	20816m	83.41	ppb		
20) Allyl Chloride	2.658	76	37856	23.38	ppb		100
21) Methyl Acetate	2.695	43	69095	19.93	ppb		95
22) Methylene Chloride	2.786	84	74148	20.46	ppb		99
23) TBA	2.932	59	218078	441.19	ppb		93
24) Acrylonitrile	3.067	53	197367	106.93	ppb		99
25) Methyl-t-Butyl Ether	3.079	73	237076	21.65	ppb		96
26) trans-1,2-Dichloroethene	3.073	96	66468	21.49	ppb		98
28) 1,1-Diclethane	3.585	63	125993	23.49	ppb		98
29) Vinyl Acetate	3.682	86	17381	22.74	ppb	#	78
30) DIPE	3.694	45	136520	14.88	ppb		92
31) 2-Chloro-1,3-Butadiene	3.694	53	106250	21.64	ppb		97
32) ETBE	4.219	59	125684	13.51	ppb		97
33) 2,2-Dichloropropane	4.420	77	88185	21.21	ppb		95
34) cis-1,2-Dichloroethene	4.432	96	74660	20.75	ppb		92
35) 2-Butanone	4.511	43	47279	21.38	ppb		94
36) Propionitrile	4.621	54	81631	110.49	ppb		96
37) Bromochloromethane	4.841	130	46498	21.18	ppb		93
38) Methacrylonitrile	4.877	67	40766	20.13	ppb		87
39) Tetrahydrofuran	4.938	42	30668	20.03	ppb		85
40) Chloroform	5.023	83	113047	20.61	ppb		98
41) 1,1,1-Trichloroethane	5.292	97	91976	21.61	ppb		95

1st 03/27/20
2nd 04/02/20

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34393.D
Acq On : 27 Mar 2020 12:45 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 13:28:10 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.127	73	125047	12.75	ppb		98
44) Cyclohexane	5.347	41	66277	21.96	ppb		95
46) Carbontetrachloride	5.548	117	65778	21.24	ppb		93
47) 1,1-Dichloropropene	5.572	75	96913	23.84	ppb		92
49) Benzene	5.889	78	301976	22.41	ppb		98
50) 1,2-Dichloroethane	5.956	62	91321	21.01	ppb		96
51) Iso-Butyl Alcohol	5.956	43	98262	535.95	ppb		91
52) n-Heptane	6.346	43	107065	25.39	ppb		98
53) 1-Butanol	6.901	56	94268	906.57	ppb		98
54) Trichloroethene	6.828	130	70596	20.60	ppb		98
55) Methylcyclohexane	7.041	55	98323	22.11	ppb		94
56) 1,2-Diclpropane	7.121	63	79380	23.31	ppb		95
57) Dibromomethane	7.267	93	41024	20.47	ppb		93
58) 1,4-Dioxane	7.340	88	27633	369.84	ppb		100
59) Methyl Methacrylate	7.346	69	66222	20.87	ppb		94
60) Bromodichloromethane	7.492	83	78985	21.36	ppb		98
61) 2-Nitropropane	7.803	41	17842	44.50	ppb		92
63) cis-1,3-Dichloropropene	8.029	75	108632	21.69	ppb		99
64) 4-Methyl-2-pentanone	8.242	43	93846	21.62	ppb		94
66) Toluene	8.383	91	330966	22.59	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	95724	21.12	ppb		98
68) Ethyl Methacrylate	8.797	69	116393	22.41	ppb		99
69) 1,1,2-Trichloroethane	8.858	97	72153	20.73	ppb		96
72) Tetrachloroethene	8.962	164	61258	22.59	ppb		94
73) 2-Hexanone	9.145	43	69064	21.75	ppb		93
74) 1,3-Dichloropropane	9.023	76	126789	21.70	ppb		95
75) Dibromochloromethane	9.242	129	58392	21.97	ppb		94
76) N-Butyl Acetate	9.285	43	127522	22.07	ppb		95
77) 1,2-Dibromoethane	9.340	107	67426	20.40	ppb		97
78) Chlorobenzene	9.821	112	218044	22.94	ppb		98
79) 3-CBTF	9.840	180	65316	11.94	ppb		99
80) 4-CBTF	9.888	180	58185	11.55	ppb		97
81) 1,1,1,2-Tetrachloroethane	9.913	131	61152	21.47	ppb		95
82) Ethylbenzene	9.937	106	115243	21.95	ppb		99
83) (m+p)Xylene	10.047	106	288476	46.16	ppb		100
84) o-Xylene	10.407	106	139680	22.23	ppb		99
85) Styrene	10.419	104	234072	21.72	ppb		98
87) Bromoform	10.583	173	36045	21.60	ppb		97
88) 2-CBTF	10.656	180	62713	11.58	ppb	#	94
89) Isopropylbenzene	10.736	105	371557	23.97	ppb		99
90) Cyclohexanone	10.821	55	82298	98.73	ppb		99
91) trans-1,4-Dichloro-2-B...	11.059	53	23633	22.67	ppb		80
92) 1,1,2,2-Tetrachloroethane	11.010	83	104931	22.64	ppb		100
93) Bromobenzene	10.986	156	87987	21.07	ppb		95
94) 1,2,3-Trichloropropane	11.041	110	31550	20.35	ppb	#	89
95) n-Propylbenzene	11.089	91	437275	23.77	ppb		99
96) 2-Chlorotoluene	11.156	91	256058	22.58	ppb		97
97) 3-Chlorotoluene	11.211	91	140033	11.82	ppb		99
98) 4-Chlorotoluene	11.248	91	286062	23.01	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	307914	23.59	ppb		94
100) tert-Butylbenzene	11.510	119	267587	22.60	ppb		100
101) 1,2,4-Trimethylbenzene	11.553	105	301793	22.06	ppb		100
102) 3,4-DCBTF	11.614	214	51072	11.01	ppb		99
103) sec-Butylbenzene	11.693	105	403989	24.11	ppb		100
104) p-Isopropyltoluene	11.809	119	335616	23.09	ppb		97
105) 1,3-Dclbenz	11.778	146	178777	22.08	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34393.D
Acq On : 27 Mar 2020 12:45 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 13:28:10 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.851	146	185225	22.07	ppb	98
107) 2,4-DCBTF	11.906	214	49693	11.55	ppb	97
108) 2,5-DCBTF	11.943	214	55145	11.59	ppb	99
109) n-Butylbenzene	12.144	91	304792	23.46	ppb	99
110) 1,2-Dclbenz	12.156	146	175193	21.21	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.784	157	20445	18.55	ppb	92
112) Trielution Dichlorotol...	12.894	125	261920	36.78	ppb	94
113) 1,3,5 Trichlorobenzene	12.943	180	77539	11.79	ppb	98
114) Coelution Dichlorotoluene	13.223	125	195069	25.00	ppb	95
115) 1,2,4-Tcbenzene	13.430	180	137832	21.66	ppb	97
116) Hexachlorobt	13.558	225	54875	21.51	ppb	99
117) Naphthalen	13.619	128	393589	22.25	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	131044	20.90	ppb	97
119) 2,4,5-Trichlorotolene	14.387	159	51695	11.60	ppb	98
120) 2,3,6-Trichlorotoluene	14.473	159	48730	11.70	ppb	97

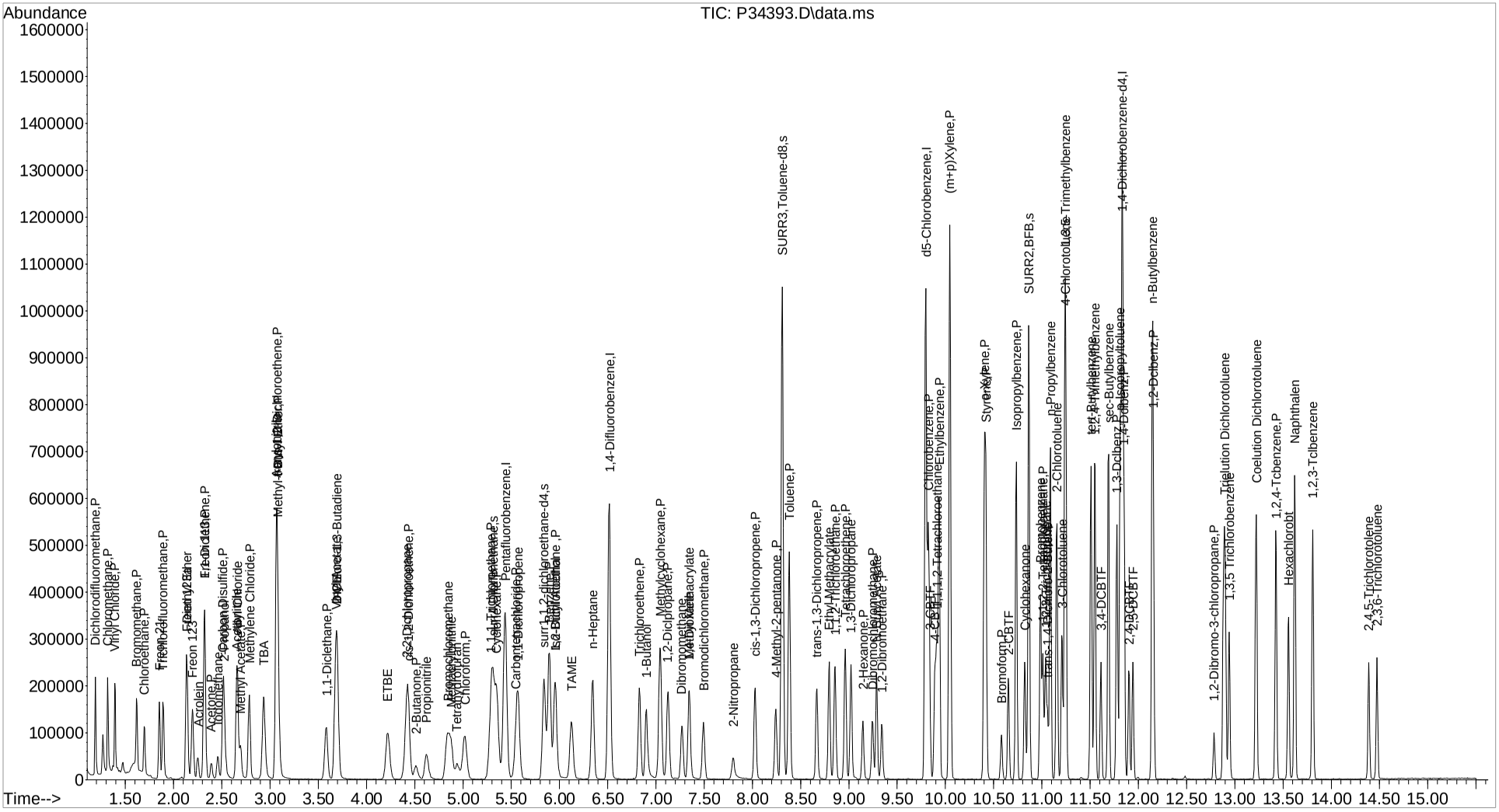
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34393.D
Acq On : 27 Mar 2020 12:45 pm
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

1st 03/27/20
2nd 04/02/20

Quant Time: Mar 27 13:28:10 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

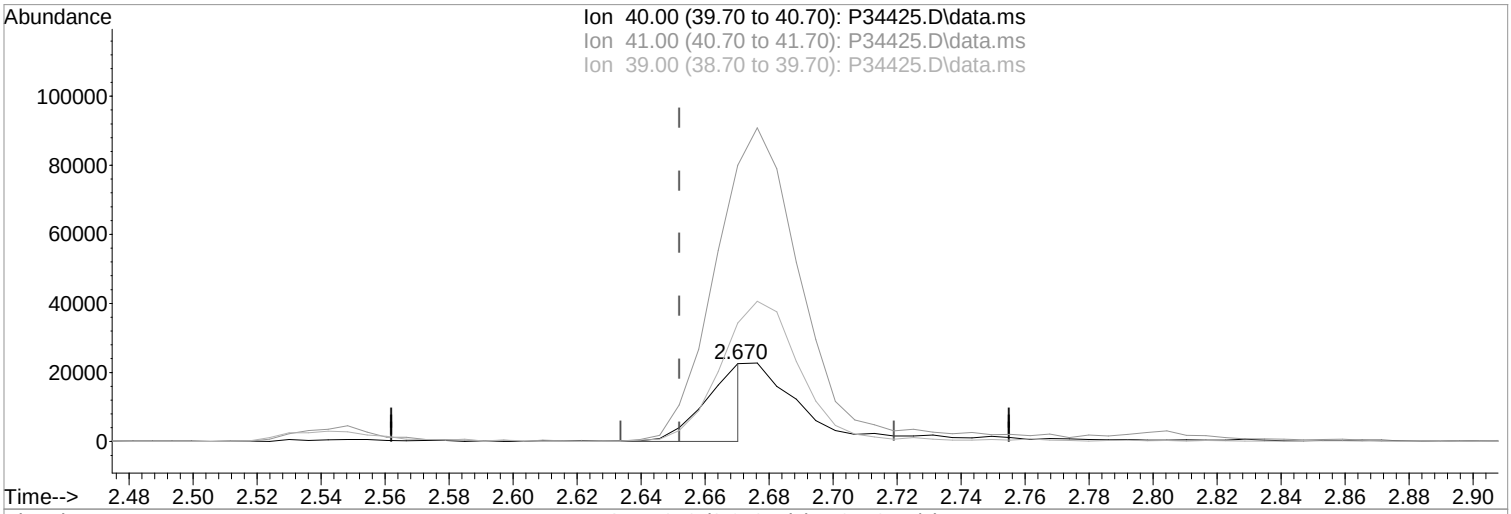


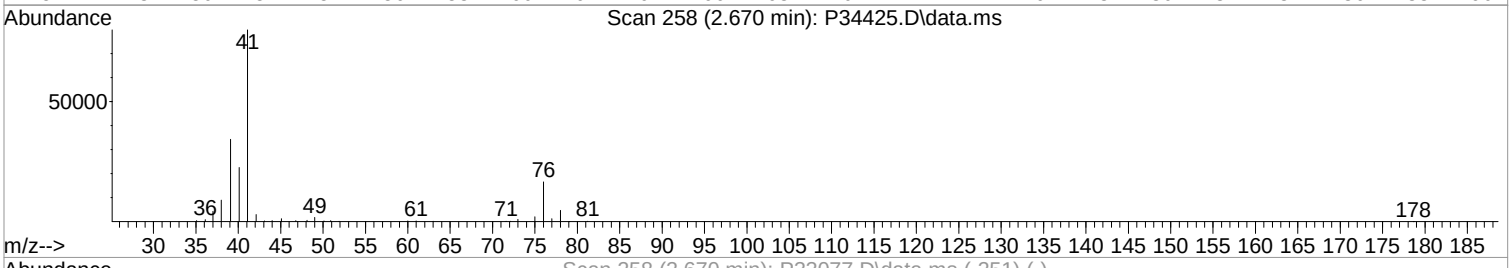
1st 03/30/20
2nd 04/03/20

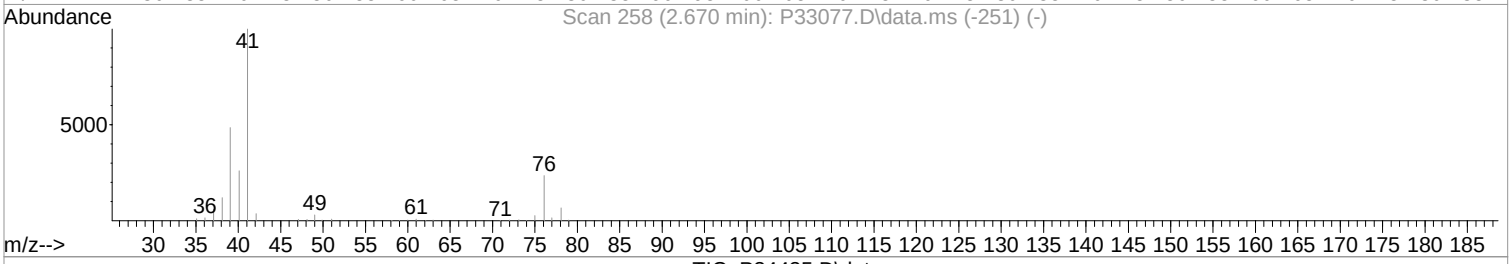
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34425.D
Acq On : 30 Mar 2020 11:24 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:45:47 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34425.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 79.81 ppb m

response 19533

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	354.76#
39.00	187.40	152.24#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

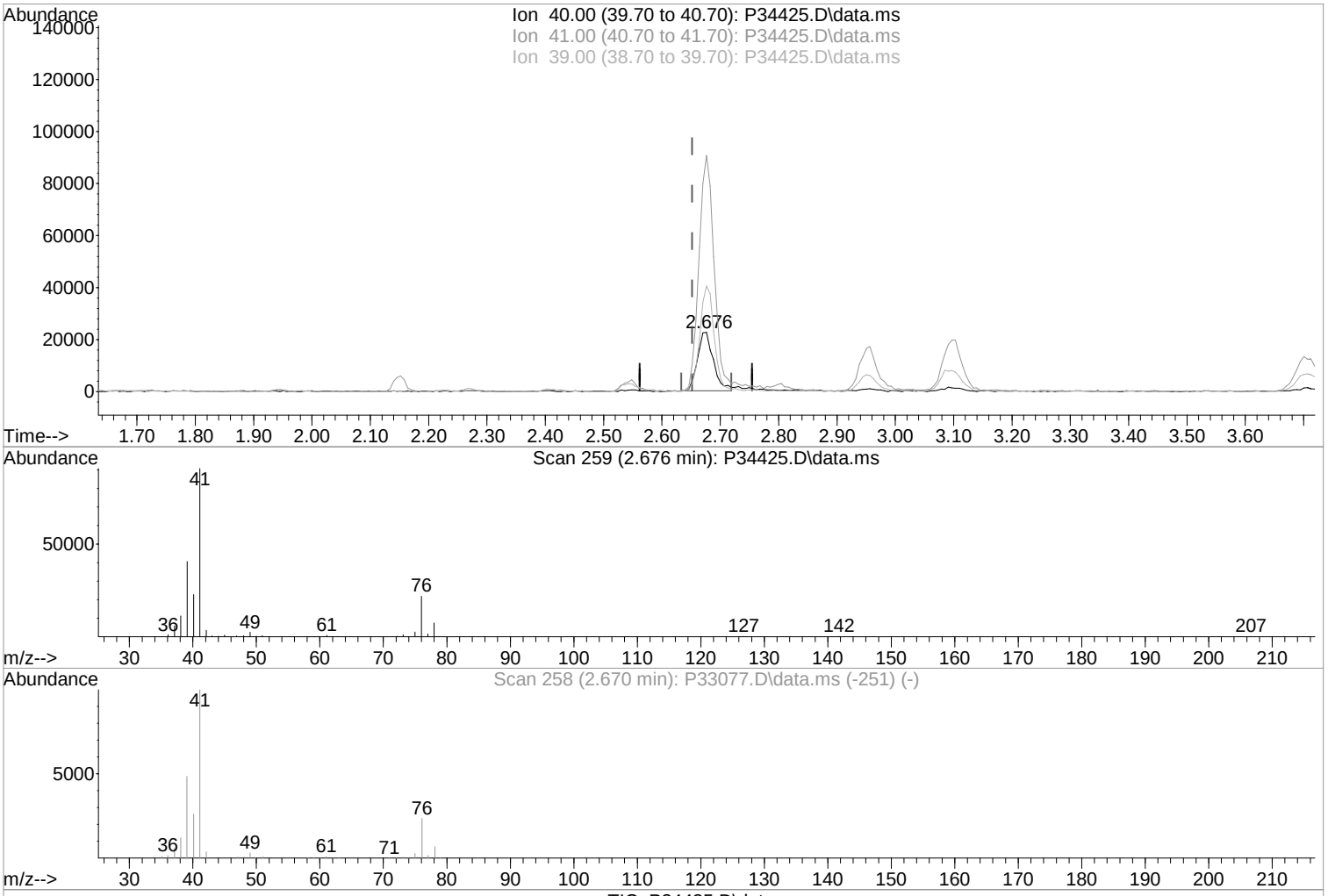
03/30/20

1st 03/30/20
2nd 04/03/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34425.D
Acq On : 30 Mar 2020 11:24 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:45:47 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration



TIC: P34425.D\data.ms

(19) Acetonitrile

2.676min (+0.024) 174.29 ppb

response 42654

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	398.98
39.00	187.40	178.36
0.00	0.00	0.00

Manual Integration:

Before

03/30/20

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34425.D
Acq On : 30 Mar 2020 11:24 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:46:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	351387	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.523	114	532854	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	478612	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	264202	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	133521	47.44	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 94.88%				
48) surr1,1,2-dichloroetha...	5.846	65	165024	48.35	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.70%				
65) SURR3,Toluene-d8	8.315	98	637074	48.49	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.98%				
70) SURR2,BFB	10.864	95	237956	46.91	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.82%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.207	85	78407	20.01	ppb		100
3) Chloromethane	1.335	50	95630	22.30	ppb		97
4) Vinyl Chloride	1.408	62	93381	20.96	ppb		96
5) Bromomethane	1.640	94	59986	17.55	ppb		98
6) Chloroethane	1.719	64	53714	19.36	ppb		99
7) Freon 21	1.872	67	92338	18.55	ppb		95
8) Trichlorofluoromethane	1.914	101	79969	20.22	ppb		97
9) Diethyl Ether	2.152	59	60440	19.59	ppb		89
10) Freon 123a	2.158	67	51127	15.93	ppb		98
11) Freon 123	2.213	83	61876	15.79	ppb		99
12) Acrolein	2.268	56	28084	30.97	ppb		87
13) 1,1-Diclethene	2.341	96	52656	19.20	ppb		91
14) Freon 113	2.341	101	49911	19.34	ppb		95
15) Acetone	2.408	43	33118	22.41	ppb		92
16) 2-Propanol	2.542	45	104155	349.57	ppb		97
17) Iodomethane	2.475	142	51333	13.54	ppb		95
18) Carbon Disulfide	2.530	76	174086	20.79	ppb		98
19) Acetonitrile	2.670	40	19533m	79.81	ppb		
20) Allyl Chloride	2.676	76	34510	21.73	ppb	#	93
21) Methyl Acetate	2.713	43	68166	20.05	ppb		97
22) Methylene Chloride	2.804	84	63575	17.89	ppb		96
23) TBA	2.951	59	201174	415.01	ppb		97
24) Acrylonitrile	3.085	53	185641	102.56	ppb		95
25) Methyl-t-Butyl Ether	3.097	73	216195	20.13	ppb		97
26) trans-1,2-Dichloroethene	3.085	96	60664	20.00	ppb		95
28) 1,1-Diclethane	3.597	63	110406	20.99	ppb		99
29) Vinyl Acetate	3.700	86	16797	22.41	ppb	#	79
30) DIPE	3.707	45	223507	24.84	ppb		97
31) 2-Chloro-1,3-Butadiene	3.707	53	96149	19.97	ppb		93
32) ETBE	4.237	59	205567	22.54	ppb		94
33) 2,2-Dichloropropane	4.432	77	79247	19.44	ppb		95
34) cis-1,2-Dichloroethene	4.450	96	68745	19.48	ppb		92
35) 2-Butanone	4.530	43	47110	21.72	ppb		93
36) Propionitrile	4.639	54	76661	105.81	ppb		98
37) Bromochloromethane	4.853	130	41822	19.43	ppb		90
38) Methacrylonitrile	4.895	67	36082	18.17	ppb		91
39) Tetrahydrofuran	4.962	42	28499	18.98	ppb		85
40) Chloroform	5.036	83	101131	18.80	ppb		98
41) 1,1,1-Trichloroethane	5.310	97	78001	18.68	ppb		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34425.D
Acq On : 30 Mar 2020 11:24 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:46:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.133	73	196492	20.43	ppb		99
44) Cyclohexane	5.359	41	57501	19.47	ppb		96
46) Carbontetrachloride	5.566	117	53421	17.64	ppb		91
47) 1,1-Dichloropropene	5.584	75	82420	20.73	ppb		94
49) Benzene	5.907	78	265028	20.10	ppb		98
50) 1,2-Dichloroethane	5.968	62	82959	19.52	ppb		97
51) Iso-Butyl Alcohol	5.962	43	76021	430.88	ppb		97
52) n-Heptane	6.352	43	84248	20.43	ppb		98
53) 1-Butanol	6.907	56	127741	1223.57	ppb		98
54) Trichloroethene	6.840	130	62780	18.73	ppb		93
55) Methylcyclohexane	7.053	55	85823	19.73	ppb		98
56) 1,2-Diclpropane	7.133	63	69859	20.97	ppb		94
57) Dibromomethane	7.273	93	37080	18.91	ppb		93
58) 1,4-Dioxane	7.340	88	21601	295.55	ppb		94
59) Methyl Methacrylate	7.352	69	58817	18.95	ppb		88
60) Bromodichloromethane	7.499	83	72418	20.02	ppb		98
61) 2-Nitropropane	7.803	41	16325	41.62	ppb		90
63) cis-1,3-Dichloropropene	8.029	75	95298	19.45	ppb		97
64) 4-Methyl-2-pentanone	8.242	43	92949	21.89	ppb		98
66) Toluene	8.389	91	284928	19.88	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	84147	18.98	ppb		98
68) Ethyl Methacrylate	8.797	69	99207	19.52	ppb		97
69) 1,1,2-Trichloroethane	8.858	97	63865	18.76	ppb		96
72) Tetrachloroethene	8.962	164	48676	18.24	ppb		98
73) 2-Hexanone	9.145	43	64768	20.73	ppb		90
74) 1,3-Dichloropropane	9.023	76	114236	19.87	ppb		97
75) Dibromochloromethane	9.248	129	53616	20.50	ppb		89
76) N-Butyl Acetate	9.291	43	117465	20.66	ppb		98
77) 1,2-Dibromoethane	9.346	107	61914	19.04	ppb		96
78) Chlorobenzene	9.821	112	184947	19.78	ppb		97
79) 3-CBTF	9.840	180	112513	20.89	ppb		99
80) 4-CBTF	9.894	180	99185	20.01	ppb		96
81) 1,1,1,2-Tetrachloroethane	9.913	131	53938	19.25	ppb		92
82) Ethylbenzene	9.937	106	97917	18.96	ppb	#	90
83) (m+p)Xylene	10.047	106	241080	39.20	ppb		95
84) o-Xylene	10.406	106	121449	19.64	ppb		97
85) Styrene	10.425	104	202083	19.05	ppb		99
87) Bromoform	10.583	173	32370	19.58	ppb		97
88) 2-CBTF	10.656	180	112065	20.89	ppb		97
89) Isopropylbenzene	10.736	105	297210	19.35	ppb		97
90) Cyclohexanone	10.827	55	77156	93.44	ppb		98
91) trans-1,4-Dichloro-2-B...	11.059	53	22540	21.83	ppb	#	77
92) 1,1,2,2-Tetrachloroethane	11.010	83	96177	20.94	ppb		93
93) Bromobenzene	10.986	156	79339	19.18	ppb		95
94) 1,2,3-Trichloropropane	11.041	110	30291	19.72	ppb		92
95) n-Propylbenzene	11.089	91	359902	19.75	ppb		100
96) 2-Chlorotoluene	11.156	91	215879	19.21	ppb		98
97) 3-Chlorotoluene	11.211	91	235243	20.05	ppb		99
98) 4-Chlorotoluene	11.248	91	244011	19.81	ppb		99
99) 1,3,5-Trimethylbenzene	11.242	105	254495	19.68	ppb		97
100) tert-Butylbenzene	11.510	119	219970	18.76	ppb		98
101) 1,2,4-Trimethylbenzene	11.553	105	255208	18.83	ppb		98
102) 3,4-DCBTF	11.614	214	88543	19.26	ppb		99
103) sec-Butylbenzene	11.693	105	320638	19.32	ppb		99
104) p-Isopropyltoluene	11.815	119	274369	19.06	ppb		98
105) 1,3-Dclbenz	11.778	146	154685	19.29	ppb		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34425.D
Acq On : 30 Mar 2020 11:24 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:46:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.851	146	159745	19.21	ppb	97
107) 2,4-DCBTF	11.906	214	82341	19.32	ppb	99
108) 2,5-DCBTF	11.943	214	89605	19.01	ppb	97
109) n-Butylbenzene	12.144	91	248464	19.30	ppb	99
110) 1,2-Dclbenz	12.156	146	154902	18.94	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	19164	17.55	ppb	91
112) Trielution Dichlorotol...	12.894	125	443248	62.83	ppb	98
113) 1,3,5 Trichlorobenzene	12.943	180	129753	19.92	ppb	98
114) Coelution Dichlorotoluene	13.223	125	332667	43.03	ppb	94
115) 1,2,4-Tcbenzene	13.424	180	123882	19.65	ppb	97
116) Hexachlorobt	13.558	225	46779	18.51	ppb	97
117) Naphthalen	13.619	128	372750	21.27	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	119719	19.27	ppb	96
119) 2,4,5-Trichlorotolene	14.387	159	88804	20.11	ppb	97
120) 2,3,6-Trichlorotoluene	14.473	159	82836	20.08	ppb	100

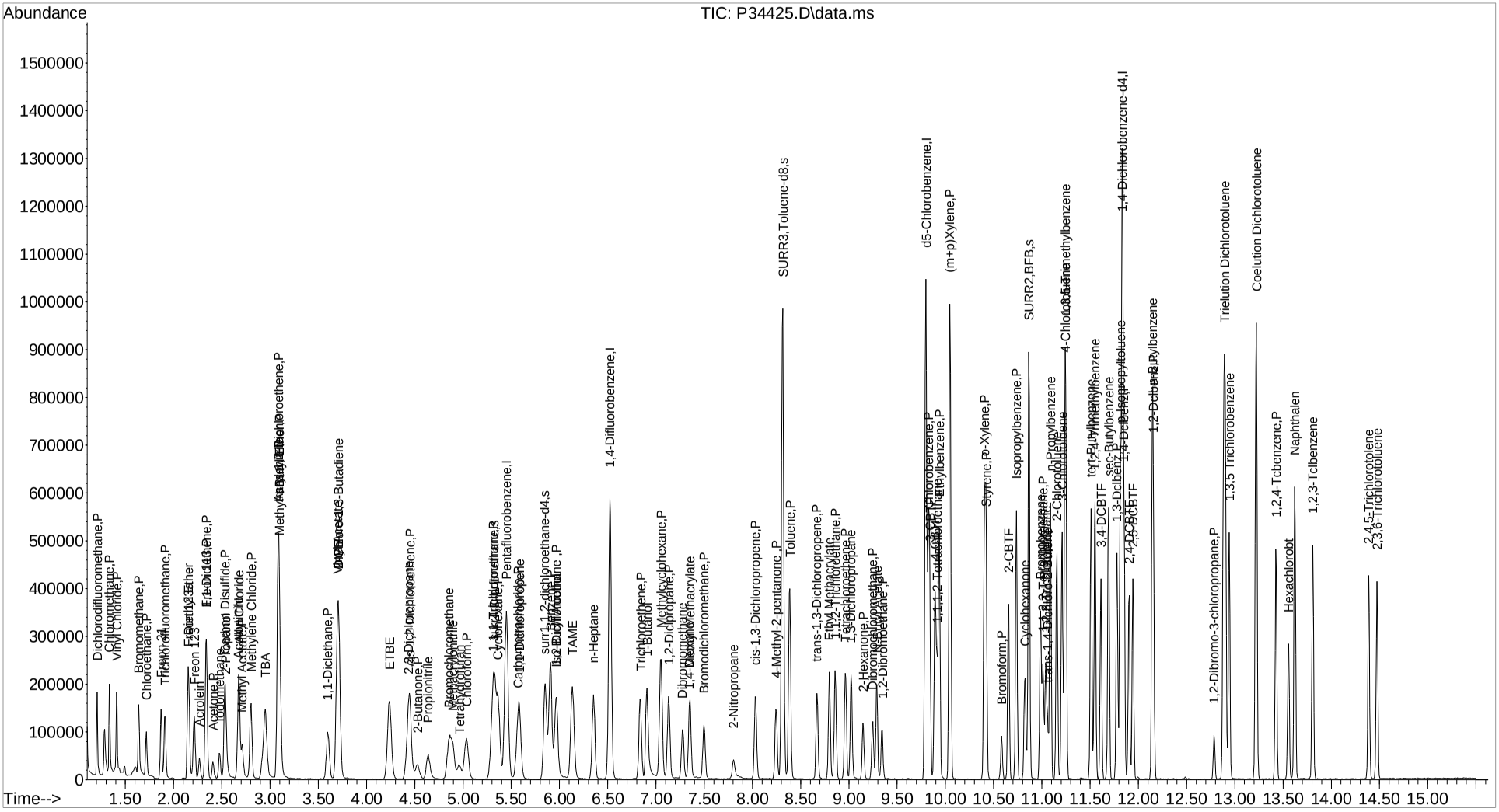
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34425.D
Acq On : 30 Mar 2020 11:24 am
Operator : K.Ruest
Sample : LCS-FP Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

1st 03/30/20
2nd 04/03/20

Quant Time: Mar 30 11:46:43 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

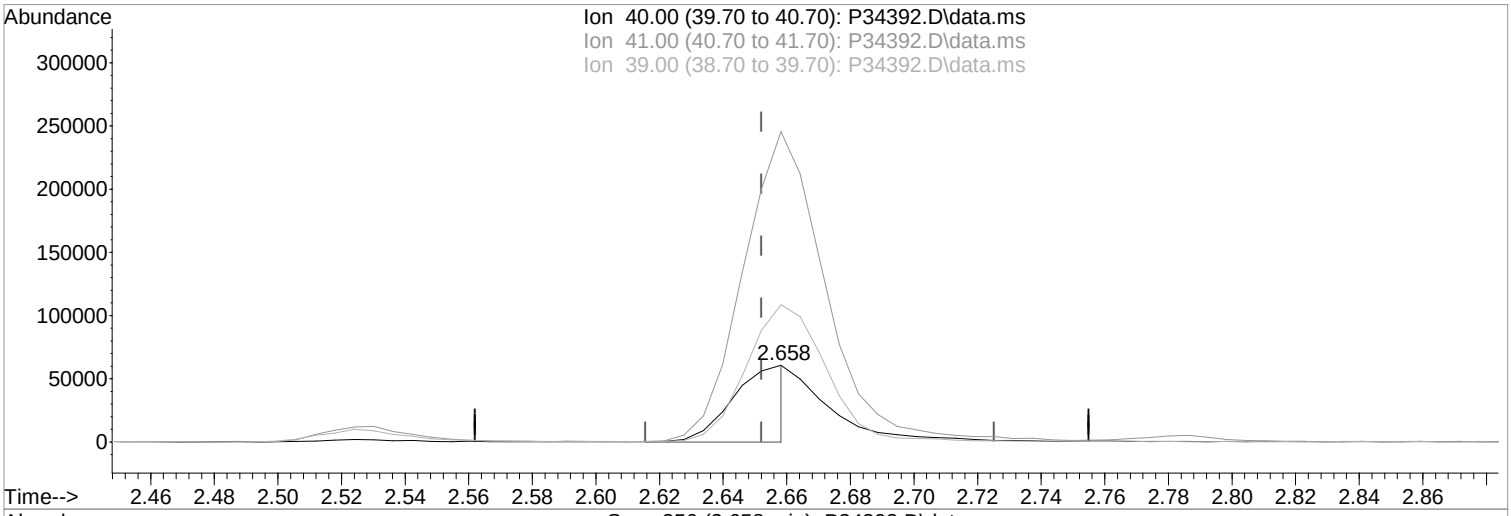


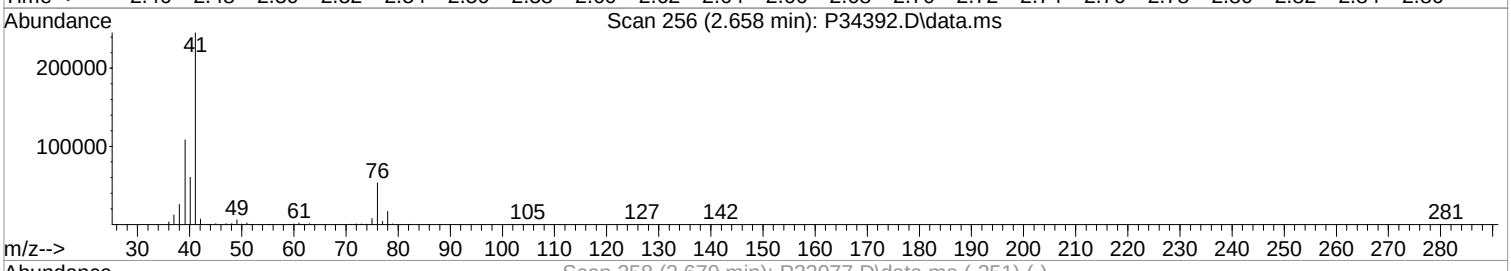
1st 03/27/20
2nd 04/02/20

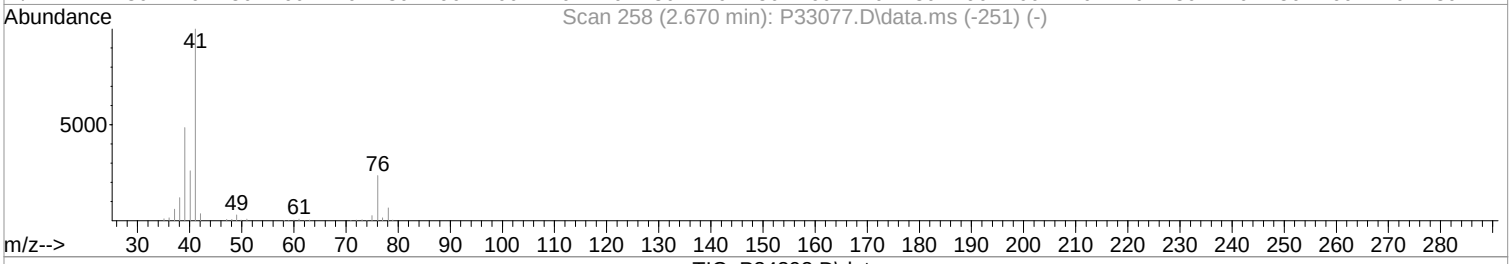
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:38:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34392.D\data.ms

(19) Acetonitrile

2.658min (+0.006) 281.80 ppb m

response 71892

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	404.43
39.00	187.40	178.72
0.00	0.00	0.00

Manual Integration:

After

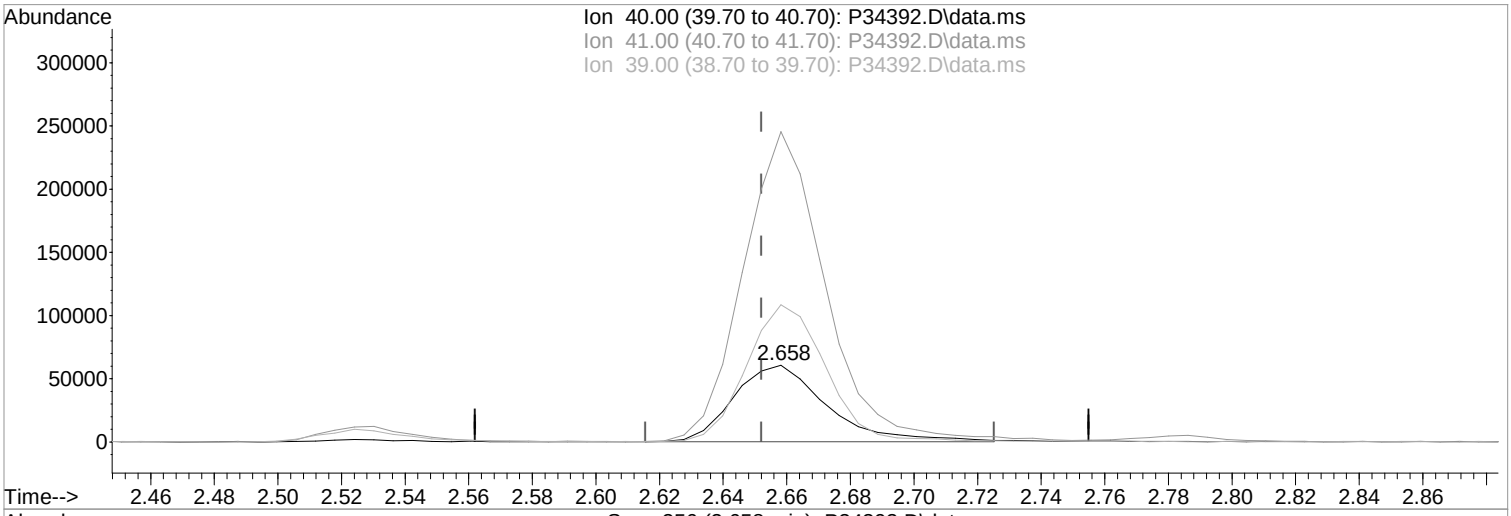
Poor integration.

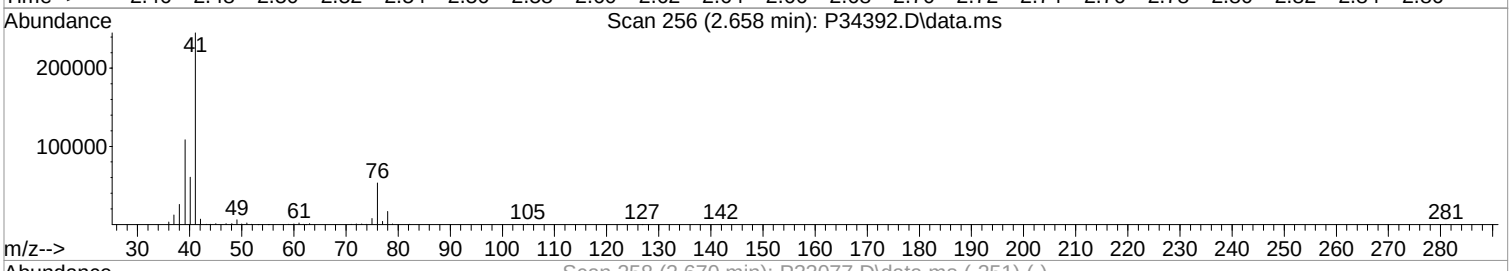
03/27/20

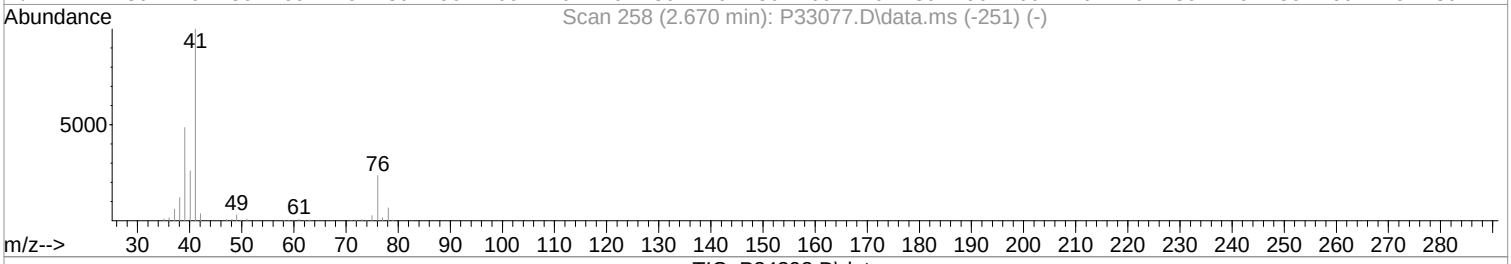
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:38:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34392.D\data.ms

(19) Acetonitrile

2.658min (+0.006) 481.11 ppb

response 122738

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	404.43
39.00	187.40	178.72
0.00	0.00	0.00

Manual Integration:

Before

03/27/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	105	0.00
2	P	Dichlorodifluoromethane	50.0000	49.0508	1.9	89	0.00
3	P	Chloromethane	50.0000	56.4438	-12.9	104	0.00
4	P	Vinyl Chloride	50.0000	55.4621	-10.9	98	0.00
5	P	Bromomethane	50.0000	38.8335	22.3#	96	0.00
6	P	Chloroethane	50.0000	54.8002	-9.6	106	0.00
7		Freon 21	50.0000	56.8484	-13.7	106	0.00
8	P	Trichlorofluoromethane	50.0000	54.1761	-8.4	96	0.00
9		Diethyl Ether	50.0000	53.2411	-6.5	103	0.00
10		Freon 123a	50.0000	55.6487	-11.3	105	0.00
11		Freon 123	50.0000	51.9881	-4.0	100	0.00
12		Acrolein	250.0000	244.3271	2.3	100	0.00
13	P	1,1-Diclethene	50.0000	51.5573	-3.1	95	0.00
14	P	Freon 113	50.0000	54.3837	-8.8	97	0.00
15	P	Acetone	50.0000	46.5628	6.9	99	0.00
16		2-Propanol	1000.0000	1046.4840	-4.6	107	0.00
17		Iodomethane	50.0000	31.8202	36.4#	60	0.00
18	P	Carbon Disulfide	50.0000	49.5923	0.8	96	0.00
19		Acetonitrile	250.0000	281.8022	-12.7	105	0.00
20		Allyl Chloride	50.0000	52.5315	-5.1	109	0.00
21	P	Methyl Acetate	50.0000	49.7048	0.6	101	0.00
22	P	Methylene Chloride	50.0000	46.1021	7.8	99	0.00
23		TBA	1000.0000	1030.1835	-3.0	104	0.00
24		Acrylonitrile	250.0000	261.9215	-4.8	105	0.00
25	P	Methyl-t-Butyl Ether	50.0000	49.7698	0.5	98	0.00
26	P	trans-1,2-Dichloroethene	50.0000	50.9007	-1.8	95	0.00
27		Halothane	-1.0000	0.0000	0.0	0	-4.22#
28	P	1,1-Diclethane	50.0000	54.7954	-9.6	103	0.00
29		Vinyl Acetate	50.0000	56.9754	-14.0	116	0.00
30		DIPE	50.0000	62.7552	-25.5#	118	0.00
31		2-Chloro-1,3-Butadiene	50.0000	53.6620	-7.3	104	0.00
32		ETBE	50.0000	57.3288	-14.7	112	0.00
33		2,2-Dichloropropane	50.0000	50.7780	-1.6	94	0.00
34	P	cis-1,2-Dichloroethene	50.0000	49.5472	0.9	97	0.00
35	P	2-Butanone	50.0000	49.8201	0.4	106	0.00
36		Propionitrile	250.0000	260.1221	-4.0	100	0.00
37		Bromochloromethane	50.0000	49.3915	1.2	100	0.00
38		Methacrylonitrile	50.0000	48.0269	3.9	98	0.00
39		Tetrahydrofuran	50.0000	51.7140	-3.4	107	0.00
40	P	Chloroform	50.0000	47.1876	5.6	98	0.00
41	P	1,1,1-Trichloroethane	50.0000	49.0339	1.9	92	-0.01
42		TAME	50.0000	52.9234	-5.8	103	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	106	0.00
44	P	Cyclohexane	50.0000	53.6743	-7.3	106	0.00
45	s	surr4,Dibrflmethane	50.0000	48.2392	3.5	99	0.00
46	P	Carbontetrachloride	50.0000	50.2107	-0.4	95	0.00
47		1,1-Dichloropropene	50.0000	53.5143	-7.0	99	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	48.5535	2.9	102	0.00
49	P	Benzene	50.0000	52.2053	-4.4	98	0.00
50	P	1,2-Dichloroethane	50.0000	50.6091	-1.2	104	0.00
51		Iso-Butyl Alcohol	1000.0000	1189.7306	-19.0	121	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	58.7688	-17.5	110	0.00
53		1-Butanol	2500.0000	3042.6020	-21.7#	120	0.00
54	P	Trichloroethene	50.0000	51.7637	-3.5	101	0.00
55	P	Methylcyclohexane	50.0000	53.4175	-6.8	104	0.00
56	P	1,2-Diclpropane	50.0000	53.5909	-7.2	105	0.00
57		Dibromomethane	50.0000	49.7087	0.6	99	0.00
58		1,4-Dioxane	1000.0000	909.2825	9.1	93	0.00
59		Methyl Methacrylate	50.0000	49.9305	0.1	101	0.00
60	P	Bromodichloromethane	50.0000	50.2727	-0.5	99	0.00
61		2-Nitropropane	100.0000	110.3445	-10.3	119	0.00
62		2-Chloroethylvinyl Ether	50.0000	38.8525	22.3#	79	0.00
63	P	cis-1,3-Dichloropropene	50.0000	54.5937	-9.2	102	0.00
64	P	4-Methyl-2-pentanone	50.0000	50.6233	-1.2	103	0.00
65	s	SURR3,Toluene-d8	50.0000	49.6630	0.7	103	0.00
66	P	Toluene	50.0000	51.8452	-3.7	99	0.00
67	P	trans-1,3-Dichloropropene	50.0000	53.8315	-7.7	102	0.00
68		Ethyl Methacrylate	50.0000	54.5471	-9.1	103	0.00
69	P	1,1,2-Trichloroethane	50.0000	47.2292	5.5	98	0.00
70	s	SURR2,BFB	50.0000	47.4493	5.1	100	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	103	0.00
72	P	Tetrachloroethene	50.0000	52.9225	-5.8	100	0.00
73	P	2-Hexanone	50.0000	52.2138	-4.4	106	0.00
74		1,3-Dichloropropane	50.0000	52.8056	-5.6	103	0.00
75	P	Dibromochloromethane	50.0000	53.0687	-6.1	99	0.00
76		N-Butyl Acetate	50.0000	58.9266	-17.9	112	0.00
77	P	1,2-Dibromoethane	50.0000	50.8906	-1.8	98	0.00
78	P	Chlorobenzene	50.0000	52.3975	-4.8	99	0.00
79		3-CBTF	50.0000	52.2850	-4.6	96	0.00
80		4-CBTF	50.0000	51.4955	-3.0	97	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	51.6738	-3.3	95	0.00
82	P	Ethylbenzene	50.0000	50.9190	-1.8	97	0.00
83	P	(m+p)Xylene	100.0000	109.3216	-9.3	98	0.00
84	P	o-Xylene	50.0000	53.3203	-6.6	98	0.00
85	P	Styrene	50.0000	54.5202	-9.0	98	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	106	0.00
87	P	Bromoform	50.0000	52.9614	-5.9	102	0.00
88		2-CBTF	50.0000	50.8271	-1.7	97	0.00
89	P	Isopropylbenzene	50.0000	56.2605	-12.5	99	0.00
90		Cyclohexanone	1000.0000	856.0029	14.4	81	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	54.8796	-9.8	98	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	53.2907	-6.6	102	0.00
93		Bromobenzene	50.0000	51.9707	-3.9	100	0.00
94		1,2,3-Trichloropropane	50.0000	47.4346	5.1	90	0.00
95		n-Propylbenzene	50.0000	54.1903	-8.4	97	0.00
96		2-Chlorotoluene	50.0000	52.3999	-4.8	97	0.00
97		3-Chlorotoluene	50.0000	52.3182	-4.6	97	0.00
98		4-Chlorotoluene	50.0000	53.0598	-6.1	98	0.00
99		1,3,5-Trimethylbenzene	50.0000	54.8632	-9.7	98	0.00
100		tert-Butylbenzene	50.0000	53.1721	-6.3	99	0.00
101		1,2,4-Trimethylbenzene	50.0000	53.2178	-6.4	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	50.4340	-0.9	97	0.00
103		sec-Butylbenzene	50.0000	54.5609	-9.1	98	0.00
104		p-Isopropyltoluene	50.0000	55.3956	-10.8	99	0.00
105	P	1,3-Dclbenz	50.0000	51.5801	-3.2	97	0.00
106	P	1,4-Dclbenz	50.0000	51.4034	-2.8	99	0.00
107		2,4-DCBTF	50.0000	50.3374	-0.7	96	0.00
108		2,5-DCBTF	50.0000	50.2411	-0.5	97	0.00
109		n-Butylbenzene	50.0000	56.0881	-12.2	100	0.00
110	P	1,2-Dclbenz	50.0000	51.3343	-2.7	99	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	50.5600	-1.1	96	0.00
112		Trielution Dichlorotoluene	150.0000	158.2705	-5.5	96	0.00
113		1,3,5 Trichlorobenzene	50.0000	50.4528	-0.9	96	0.00
114		Coelution Dichlorotoluene	100.0000	107.0259	-7.0	97	0.00
115	P	1,2,4-Tcbenzene	50.0000	51.8194	-3.6	101	0.00
116		Hexachlorobt	50.0000	52.2039	-4.4	95	0.00
117		Naphthalen	50.0000	54.8655	-9.7	97	0.00
118		1,2,3-Tclbenzene	50.0000	51.8399	-3.7	98	0.00
119		2,4,5-Trichlorotolene	50.0000	50.4126	-0.8	91	0.00
120		2,3,6-Trichlorotoluene	50.0000	47.9703	4.1	89	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.432	168	366289	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.517	114	552904	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	486564	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	269355	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.310	113	140872	48.24	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.48%				
48) surr1,1,2-dichloroetha...	5.840	65	171961	48.55	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.10%				
65) SURR3,Toluene-d8	8.309	98	677050	49.66	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.32%				
70) SURR2,BFB	10.864	95	249770	47.45	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.189	85	200315	49.05	ppb		99
3) Chloromethane	1.317	50	252275	56.44	ppb		97
4) Vinyl Chloride	1.396	62	257563	55.46	ppb		97
5) Bromomethane	1.622	94	138336	38.83	ppb		98
6) Chloroethane	1.701	64	158474	54.80	ppb		96
7) Freon 21	1.853	67	294957	56.85	ppb		100
8) Trichlorofluoromethane	1.896	101	223353	54.18	ppb		96
9) Diethyl Ether	2.134	59	171188	53.24	ppb		98
10) Freon 123a	2.140	67	186166	55.65	ppb		93
11) Freon 123	2.195	83	212411	51.99	ppb		97
12) Acrolein	2.250	56	230973	244.33	ppb		96
13) 1,1-Diclethene	2.323	96	147381	51.56	ppb		94
14) Freon 113	2.323	101	146269	54.38	ppb		93
15) Acetone	2.390	43	71715	46.56	ppb		97
16) 2-Propanol	2.524	45	325021	1046.48	ppb		98
17) Iodomethane	2.457	142	137978	31.82	ppb		100
18) Carbon Disulfide	2.512	76	432912	49.59	ppb		99
19) Acetonitrile	2.658	40	71892m	281.80	ppb		
20) Allyl Chloride	2.658	76	86952	52.53	ppb	#	89
21) Methyl Acetate	2.695	43	176127	49.70	ppb		99
22) Methylene Chloride	2.786	84	170797	46.10	ppb		94
23) TBA	2.932	59	520549	1030.18	ppb		98
24) Acrylonitrile	3.067	53	494192	261.92	ppb		99
25) Methyl-t-Butyl Ether	3.079	73	557065	49.77	ppb		97
26) trans-1,2-Dichloroethene	3.073	96	160971	50.90	ppb		95
28) 1,1-Diclethane	3.585	63	300499	54.80	ppb		95
29) Vinyl Acetate	3.676	86	44524	56.98	ppb	#	85
30) DIPE	3.688	45	588607	62.76	ppb		98
31) 2-Chloro-1,3-Butadiene	3.695	53	269331	53.66	ppb		98
32) ETBE	4.219	59	545083	57.33	ppb		96
33) 2,2-Dichloropropane	4.414	77	215829	50.78	ppb		99
34) cis-1,2-Dichloroethene	4.432	96	182242	49.55	ppb		94
35) 2-Butanone	4.505	43	112618	49.82	ppb		97
36) Propionitrile	4.621	54	196460	260.12	ppb		99
37) Bromochloromethane	4.835	130	110827	49.39	ppb	#	87
38) Methacrylonitrile	4.877	67	99410	48.03	ppb		92
39) Tetrahydrofuran	4.938	42	80928	51.71	ppb		73
40) Chloroform	5.017	83	264593	47.19	ppb		97
41) 1,1,1-Trichloroethane	5.280	97	213392	49.03	ppb		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.121	73	530581	52.92	ppb		96
44) Cyclohexane	5.347	41	164457	53.67	ppb		95
46) Carbontetrachloride	5.548	117	157799	50.21	ppb		92
47) 1,1-Dichloropropene	5.572	75	220795	53.51	ppb		97
49) Benzene	5.895	78	714090	52.21	ppb		99
50) 1,2-Dichloroethane	5.956	62	223225	50.61	ppb		99
51) Iso-Butyl Alcohol	5.950	43	240086	1189.73	ppb		94
52) n-Heptane	6.346	43	251493	58.77	ppb		99
53) 1-Butanol	6.895	56	374526	3042.60	ppb		99
54) Trichloroethene	6.828	130	180056	51.76	ppb		94
55) Methylcyclohexane	7.041	55	241071	53.42	ppb		98
56) 1,2-Diclpropane	7.127	63	185216	53.59	ppb		98
57) Dibromomethane	7.267	93	101134	49.71	ppb		98
58) 1,4-Dioxane	7.334	88	68957	909.28	ppb		100
59) Methyl Methacrylate	7.346	69	160840	49.93	ppb		96
60) Bromodichloromethane	7.493	83	188697	50.27	ppb		98
61) 2-Nitropropane	7.797	41	44910	110.34	ppb		97
62) 2-Chloroethylvinyl Ether	7.895	63	81990	38.85	ppb		99
63) cis-1,3-Dichloropropene	8.029	75	277559	54.59	ppb		99
64) 4-Methyl-2-pentanone	8.242	43	223013	50.62	ppb		99
66) Toluene	8.383	91	770991	51.85	ppb		98
67) trans-1,3-Dichloropropene	8.669	75	247628	53.83	ppb		98
68) Ethyl Methacrylate	8.797	69	287616	54.55	ppb		98
69) 1,1,2-Trichloroethane	8.858	97	166813	47.23	ppb		99
72) Tetrachloroethene	8.962	164	143557	52.92	ppb		94
73) 2-Hexanone	9.145	43	165866	52.21	ppb		94
74) 1,3-Dichloropropane	9.023	76	308591	52.81	ppb		98
75) Dibromochloromethane	9.248	129	141083	53.07	ppb		92
76) N-Butyl Acetate	9.285	43	340671	58.93	ppb		100
77) 1,2-Dibromoethane	9.340	107	168266	50.89	ppb		98
78) Chlorobenzene	9.821	112	498143	52.40	ppb		98
79) 3-CBTF	9.834	180	286247	52.29	ppb		95
80) 4-CBTF	9.888	180	259488	51.50	ppb		97
81) 1,1,1,2-Tetrachloroethane	9.913	131	147203	51.67	ppb		97
82) Ethylbenzene	9.937	106	267384	50.92	ppb		94
83) (m+p)Xylene	10.047	106	683433	109.32	ppb		97
84) o-Xylene	10.407	106	335204	53.32	ppb		95
85) Styrene	10.419	104	587853	54.52	ppb		99
87) Bromoform	10.583	173	89265	52.96	ppb		98
88) 2-CBTF	10.657	180	277953	50.83	ppb		96
89) Isopropylbenzene	10.736	105	880885	56.26	ppb		99
90) Cyclohexanone	10.821	55	720588	856.00	ppb		98
91) trans-1,4-Dichloro-2-B...	11.059	53	57769	54.88	ppb		89
92) 1,1,2,2-Tetrachloroethane	11.010	83	249489	53.29	ppb		98
93) Bromobenzene	10.986	156	219203	51.97	ppb		98
94) 1,2,3-Trichloropropane	11.041	110	74287	47.43	ppb	#	84
95) n-Propylbenzene	11.089	91	1006566	54.19	ppb		100
96) 2-Chlorotoluene	11.156	91	600226	52.40	ppb		97
97) 3-Chlorotoluene	11.211	91	625780	52.32	ppb		99
98) 4-Chlorotoluene	11.248	91	666314	53.06	ppb		98
99) 1,3,5-Trimethylbenzene	11.242	105	723228	54.86	ppb		99
100) tert-Butylbenzene	11.510	119	635731	53.17	ppb		100
101) 1,2,4-Trimethylbenzene	11.553	105	735397	53.22	ppb		100
102) 3,4-DCBTF	11.614	214	236356	50.43	ppb		99
103) sec-Butylbenzene	11.693	105	923266	54.56	ppb		100
104) p-Isopropyltoluene	11.815	119	813030	55.40	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

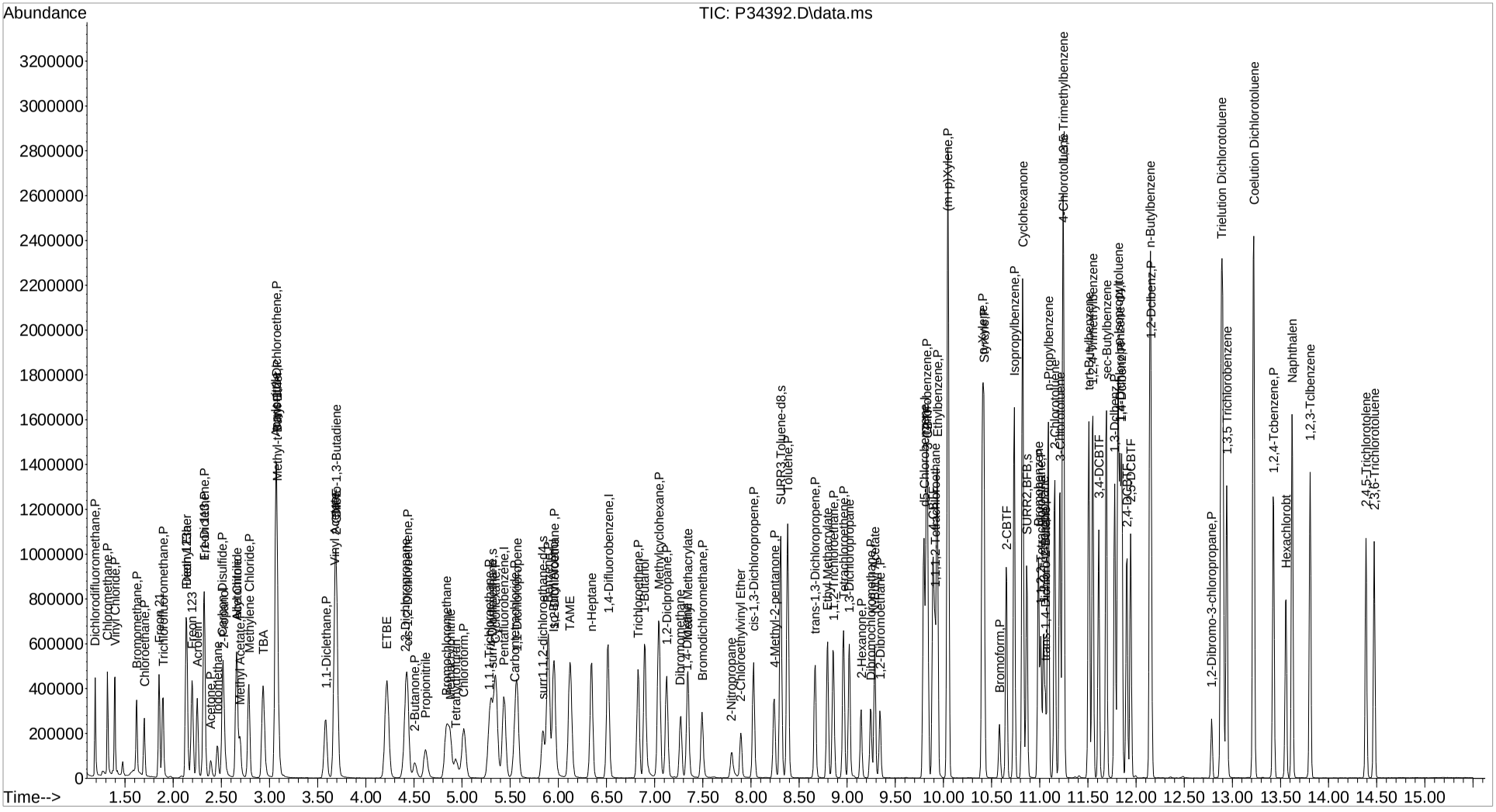
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	421760	51.58	ppb	98
106) 1,4-Dclbenz	11.851	146	435721	51.40	ppb	99
107) 2,4-DCBTF	11.906	214	218708	50.34	ppb	97
108) 2,5-DCBTF	11.943	214	241441	50.24	ppb	97
109) n-Butylbenzene	12.144	91	736035	56.09	ppb	99
110) 1,2-Dclbenz	12.156	146	428139	51.33	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	56286	50.56	ppb	97
112) Trielution Dichlorotol...	12.888	125	1138298	158.27	ppb	94
113) 1,3,5 Trichlorobenzene	12.943	180	335060	50.45	ppb	99
114) Coelution Dichlorotoluene	13.223	125	843473	107.03	ppb	97
115) 1,2,4-Tcbenzene	13.430	180	333060	51.82	ppb	99
116) Hexachlorobt	13.558	225	134525	52.20	ppb	97
117) Naphthalen	13.619	128	980113	54.87	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	328329	51.84	ppb	99
119) 2,4,5-Trichlorotolene	14.388	159	226964	50.41	ppb	99
120) 2,3,6-Trichlorotoluene	14.473	159	201741	47.97	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34392.D
Acq On : 27 Mar 2020 12:20 pm
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 12:39:18 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

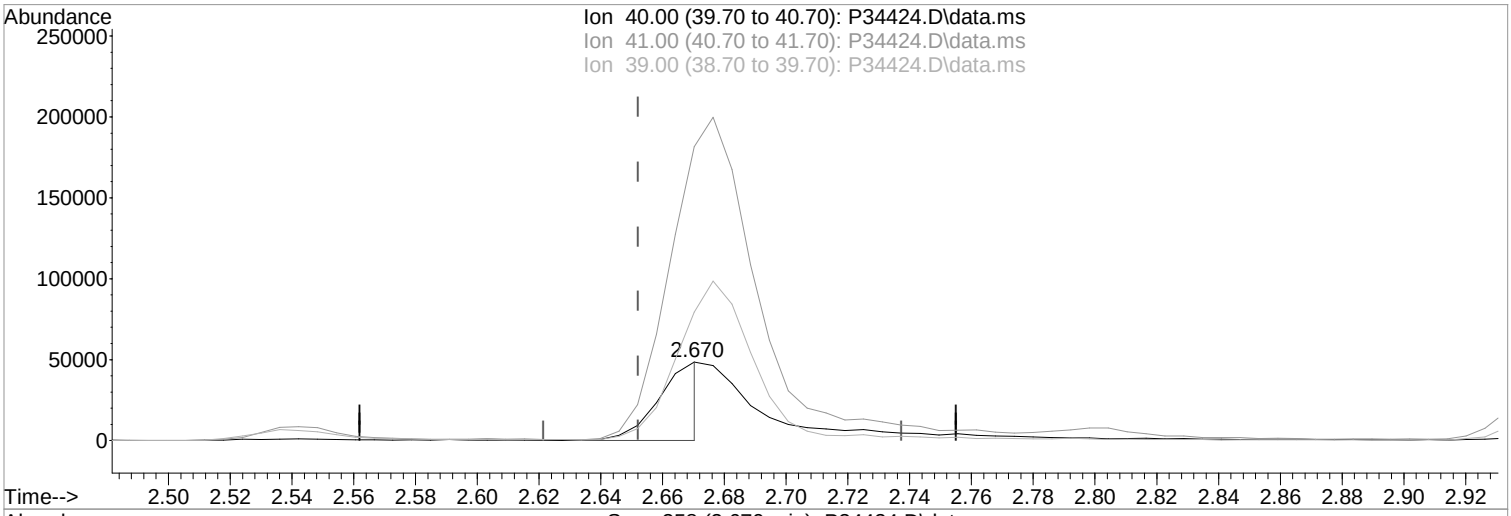


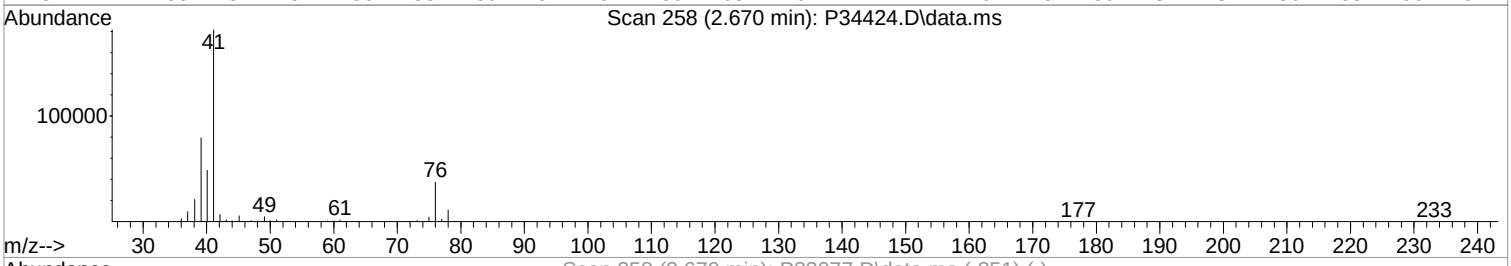
1st 03/30/20
2nd 04/03/20

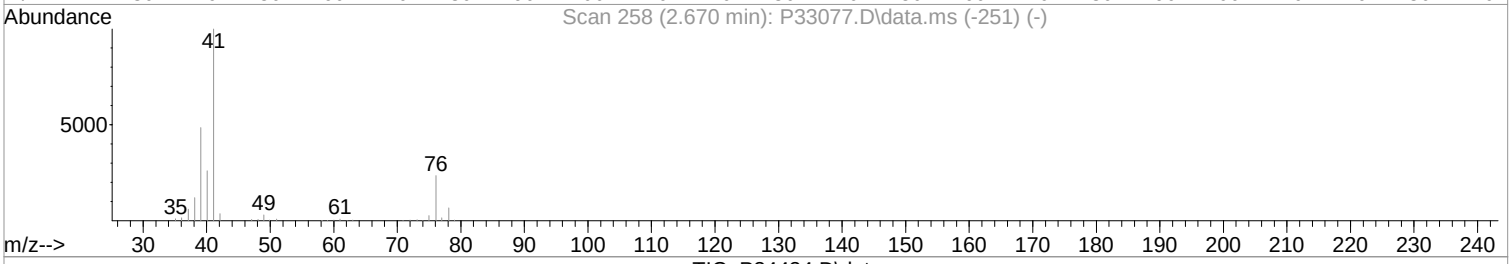
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34424.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 184.91 ppb m

response 46354

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	374.35
39.00	187.40	163.41#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

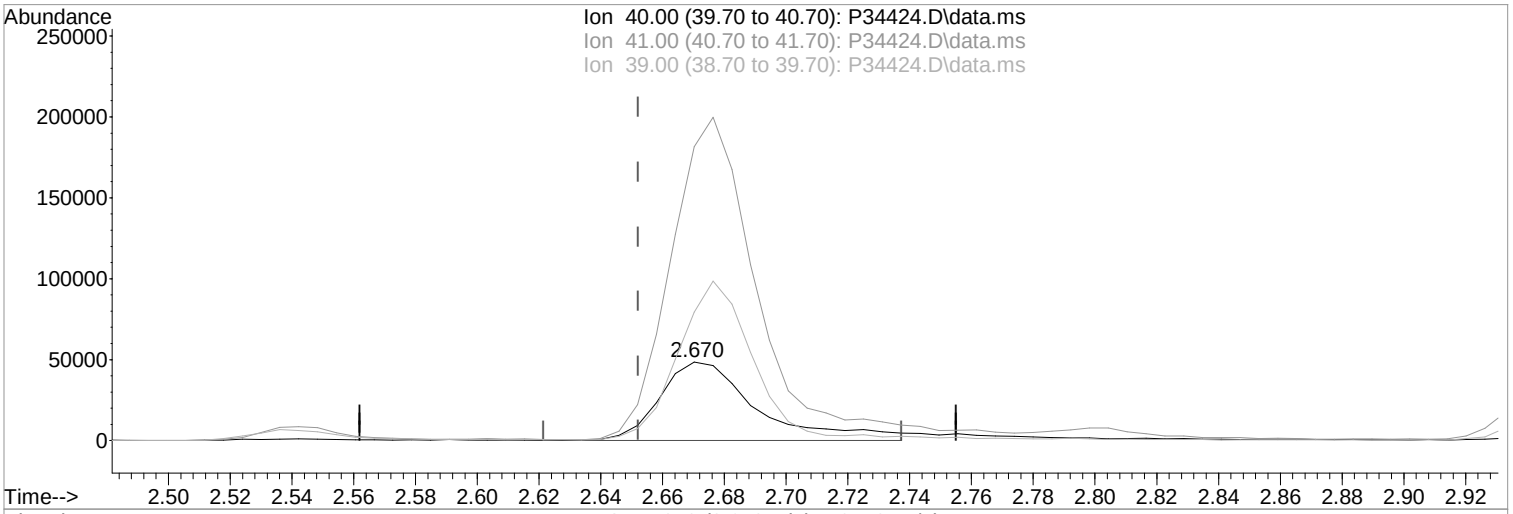
03/30/20

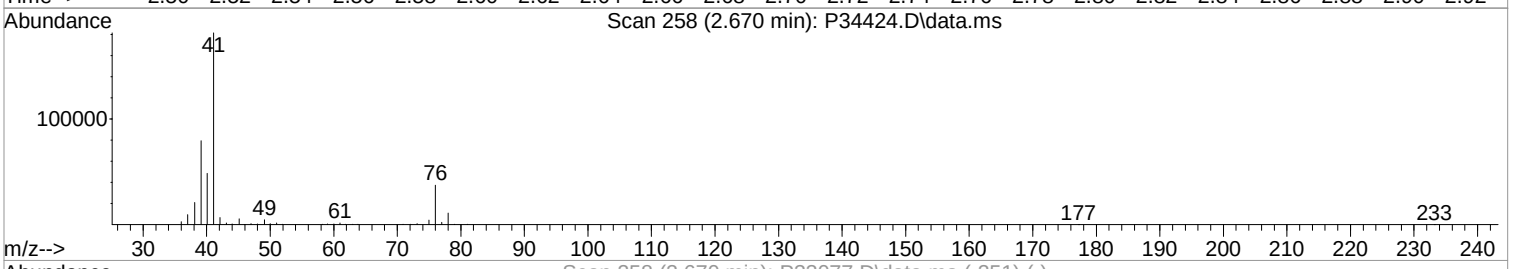
1st 03/30/20
2nd 04/03/20

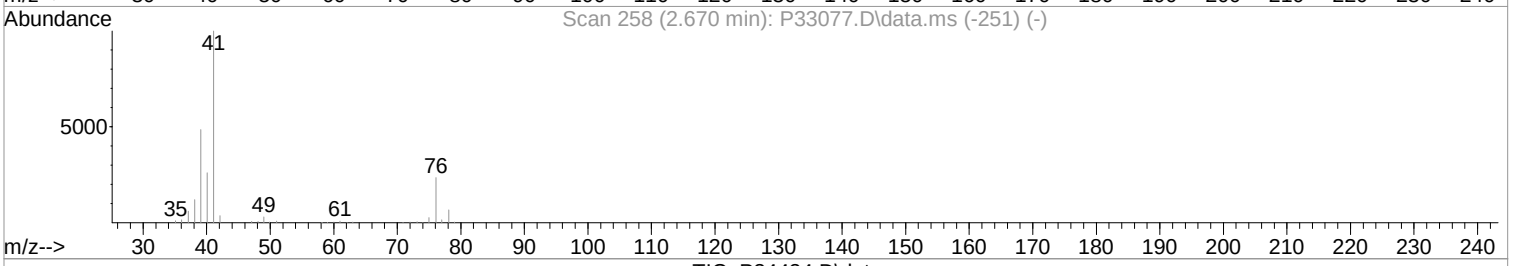
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34424.D\data.ms

(19) Acetonitrile

2.670min (+0.018) 422.48 ppb

response 105908

Ion	Exp%	Act%
40.00	100	100
41.00	385.20	374.35
39.00	187.40	163.41#
0.00	0.00	0.00

Manual Integration:

Before

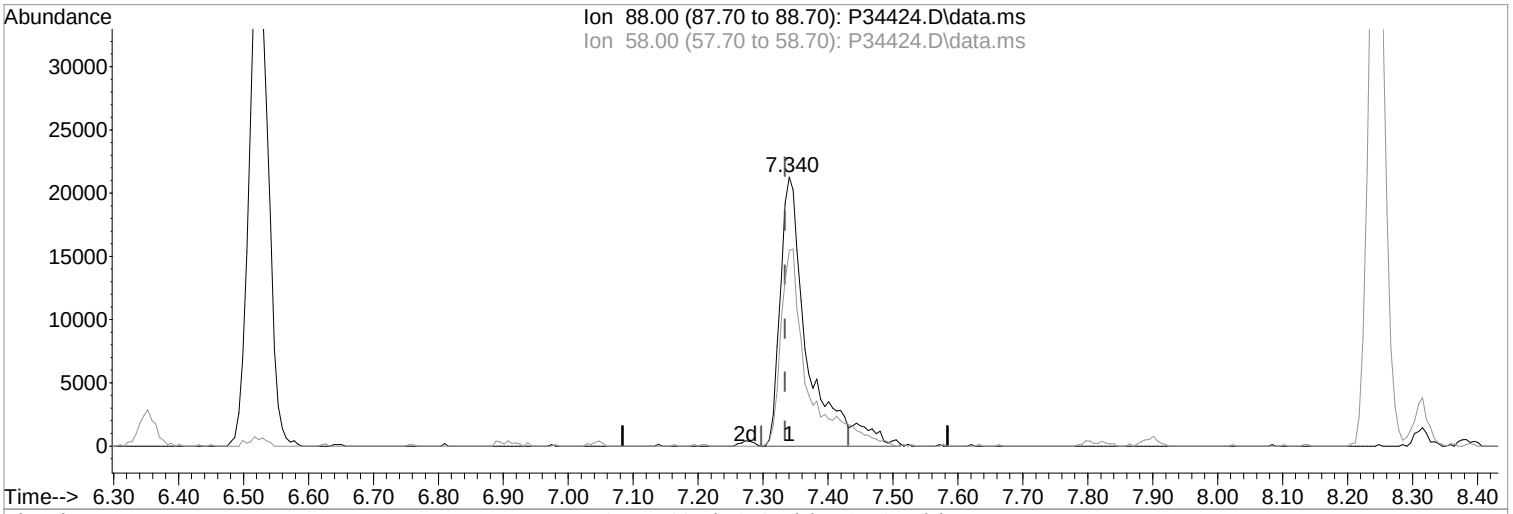
03/30/20

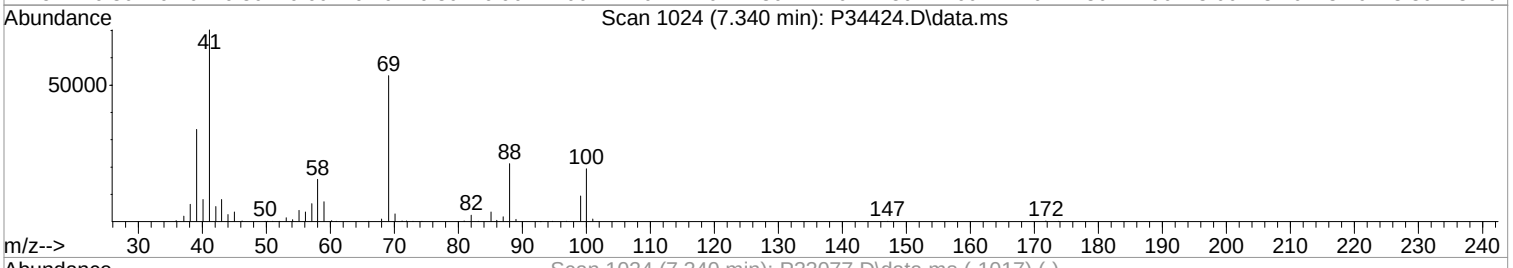
1st 03/30/20
2nd 04/03/20

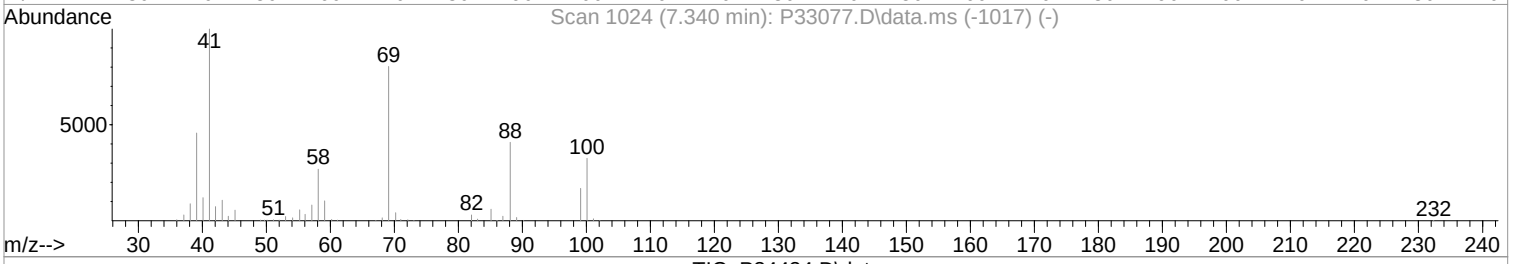
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34424.D\data.ms

(58) 1,4-Dioxane

7.340min (+0.006) 834.93 ppb m

response 62389

Ion	Exp%	Act%
88.00	100	100
58.00	65.70	72.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

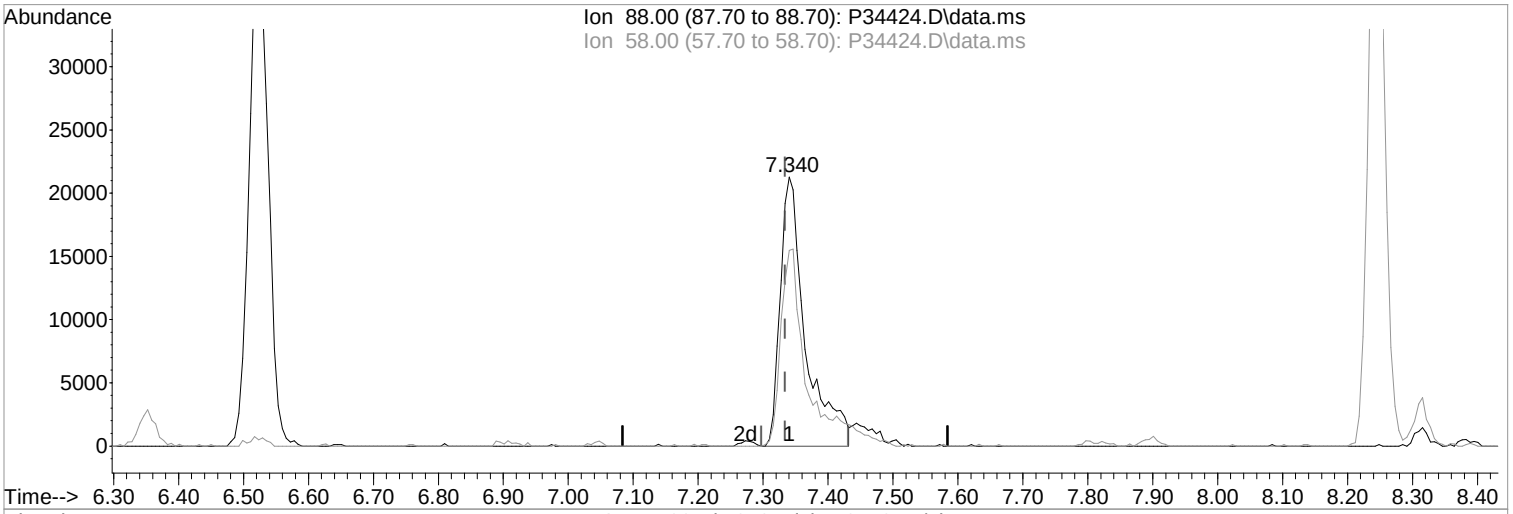
03/30/20

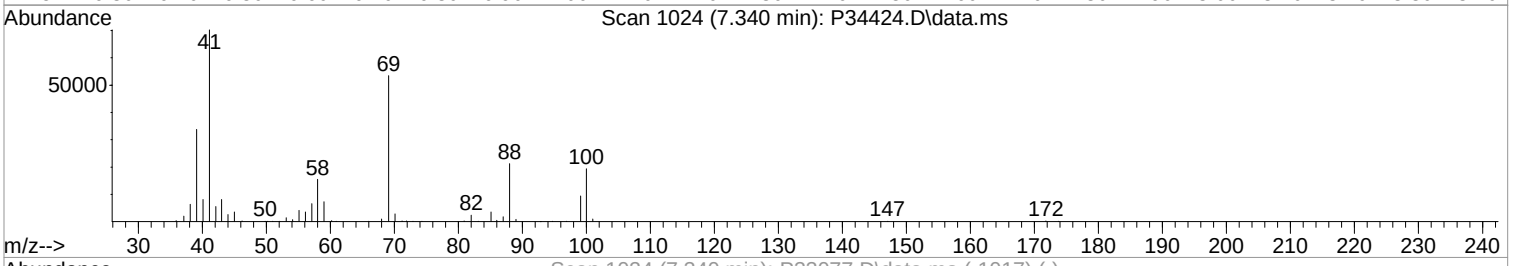
1st 03/30/20
2nd 04/03/20

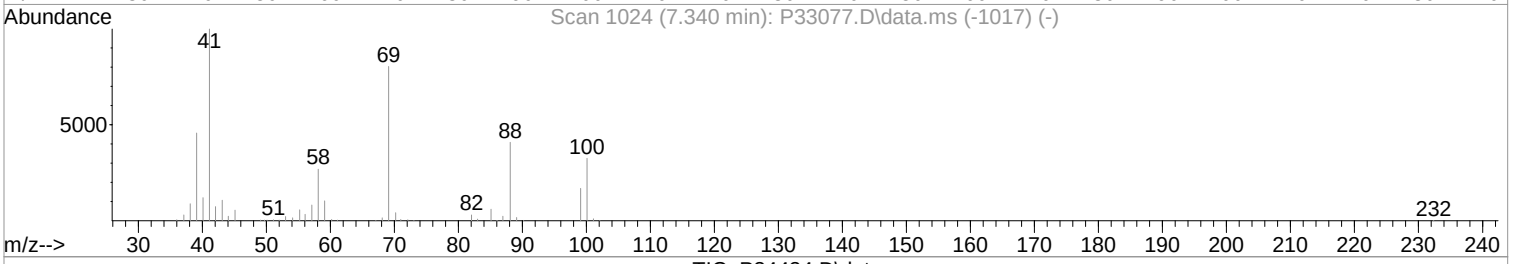
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:48 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration







TIC: P34424.D\data.ms

(58) 1,4-Dioxane

7.340min (+0.006) 771.38 ppb

response 57640

Ion	Exp%	Act%
88.00	100	100
58.00	65.70	72.73
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

03/30/20

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	103	0.01
2	P	Dichlorodifluoromethane	50.0000	46.0215	8.0	82	0.02
3	P	Chloromethane	50.0000	54.3245	-8.6	99	0.02
4	P	Vinyl Chloride	50.0000	54.6271	-9.3	95	0.02
5	P	Bromomethane	50.0000	39.2705	21.5#	95	0.02
6	P	Chloroethane	50.0000	51.7462	-3.5	98	0.02
7		Freon 21	50.0000	49.9231	0.2	92	0.02
8	P	Trichlorofluoromethane	50.0000	50.2530	-0.5	87	0.01
9		Diethyl Ether	50.0000	49.4955	1.0	95	0.02
10		Freon 123a	50.0000	49.0596	1.9	91	0.02
11		Freon 123	50.0000	45.2246	9.6	85	0.02
12		Acrolein	250.0000	223.3571	10.7	89	0.02
13	P	1,1-Diclethene	50.0000	49.4530	1.1	89	0.02
14	P	Freon 113	50.0000	51.4882	-3.0	91	0.01
15	P	Acetone	50.0000	48.4150	3.2	101	0.02
16		2-Propanol	1000.0000	906.5464	9.3	91	0.02
17		Iodomethane	50.0000	35.9538	28.1#	68	0.02
18	P	Carbon Disulfide	50.0000	48.5993	2.8	92	0.02
19		Acetonitrile	250.0000	184.9116	26.0#	68	0.02
20		Allyl Chloride	50.0000	49.1536	1.7	100	0.01
21	P	Methyl Acetate	50.0000	47.6842	4.6	95	0.02
22	P	Methylene Chloride	50.0000	43.8960	12.2	93	0.02
23		TBA	1000.0000	870.7278	12.9	86	0.02
24		Acrylonitrile	250.0000	253.8949	-1.6	100	0.02
25	P	Methyl-t-Butyl Ether	50.0000	49.5255	0.9	96	0.02
26	P	trans-1,2-Dichloroethene	50.0000	48.7866	2.4	90	0.01
27		Halothane	-1.0000	0.0000	0.0	0	-4.22#
28	P	1,1-Diclethane	50.0000	52.5904	-5.2	97	0.02
29		Vinyl Acetate	50.0000	49.4426	1.1	99	0.02
30		DIPE	50.0000	63.4280	-26.9#	117	0.01
31		2-Chloro-1,3-Butadiene	50.0000	52.4110	-4.8	100	0.02
32		ETBE	50.0000	57.3570	-14.7	110	0.02
33		2,2-Dichloropropane	50.0000	47.3849	5.2	86	0.02
34	P	cis-1,2-Dichloroethene	50.0000	48.0395	3.9	93	0.02
35	P	2-Butanone	50.0000	51.9842	-4.0	108	0.00
36		Propionitrile	250.0000	260.3106	-4.1	99	0.02
37		Bromochloromethane	50.0000	48.3101	3.4	96	0.01
38		Methacrylonitrile	50.0000	46.4680	7.1	93	0.01
39		Tetrahydrofuran	50.0000	51.5328	-3.1	105	0.01
40	P	Chloroform	50.0000	45.3652	9.3	92	0.02
41	P	1,1,1-Trichloroethane	50.0000	46.8847	6.2	87	0.01
42		TAME	50.0000	53.5671	-7.1	102	0.00
43	I	1,4-Difluorobenzene	50.0000	50.0000	0.0	104	0.00
44	P	Cyclohexane	50.0000	46.9958	6.0	92	0.00
45	s	surr4,Dibrflmethane	50.0000	46.8568	6.3	95	0.01
46	P	Carbontetrachloride	50.0000	46.4207	7.2	87	0.01
47		1,1-Dichloropropene	50.0000	51.7062	-3.4	94	0.00
48	s	surr1,1,2-dichloroethane-d4	50.0000	47.7241	4.6	99	0.01
49	P	Benzene	50.0000	49.2127	1.6	91	0.01
50	P	1,2-Dichloroethane	50.0000	48.4312	3.1	99	0.01
51		Iso-Butyl Alcohol	1000.0000	1008.2209	-0.8	99	0.01

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	55.1553	-10.3	101	0.00
53		1-Butanol	2500.0000	2627.6568	-5.1	99	0.00
54	P	Trichloroethene	50.0000	49.1811	1.6	94	0.00
55	P	Methylcyclohexane	50.0000	47.4262	5.1	91	0.00
56	P	1,2-Diclpropane	50.0000	51.6567	-3.3	99	0.00
57		Dibromomethane	50.0000	47.2429	5.5	93	0.00
58		1,4-Dioxane	1000.0000	834.9343	16.5	84	0.00
59		Methyl Methacrylate	50.0000	48.1187	3.8	95	0.00
60	P	Bromodichloromethane	50.0000	48.3620	3.3	94	0.00
61		2-Nitropropane	100.0000	103.3035	-3.3	110	0.00
62		2-Chloroethylvinyl Ether	50.0000	43.4284	13.1	87	0.00
63	P	cis-1,3-Dichloropropene	50.0000	51.9422	-3.9	95	0.00
64	P	4-Methyl-2-pentanone	50.0000	50.7050	-1.4	101	0.00
65	s	SURR3,Toluene-d8	50.0000	48.7175	2.6	100	0.00
66	P	Toluene	50.0000	49.4777	1.0	93	0.00
67	P	trans-1,3-Dichloropropene	50.0000	50.4686	-0.9	94	0.00
68		Ethyl Methacrylate	50.0000	49.7321	0.5	93	0.00
69	P	1,1,2-Trichloroethane	50.0000	46.5046	7.0	95	0.00
70	s	SURR2,BFB	50.0000	46.3091	7.4	96	0.00
71	I	d5-Chlorobenzene	50.0000	50.0000	0.0	104	0.00
72	P	Tetrachloroethene	50.0000	49.5021	1.0	94	0.00
73	P	2-Hexanone	50.0000	49.9921	0.0	103	0.00
74		1,3-Dichloropropane	50.0000	49.4829	1.0	98	0.00
75	P	Dibromochloromethane	50.0000	50.7975	-1.6	96	0.00
76		N-Butyl Acetate	50.0000	52.3303	-4.7	100	0.00
77	P	1,2-Dibromoethane	50.0000	46.2746	7.5	90	0.00
78	P	Chlorobenzene	50.0000	50.0280	-0.1	96	0.00
79		3-CBTF	50.0000	51.7764	-3.6	97	0.00
80		4-CBTF	50.0000	50.9739	-1.9	97	0.00
81		1,1,1,2-Tetrachloroethane	50.0000	49.1906	1.6	92	0.00
82	P	Ethylbenzene	50.0000	49.3983	1.2	95	0.00
83	P	(m+p)Xylene	100.0000	101.3280	-1.3	92	0.00
84	P	o-Xylene	50.0000	49.4764	1.0	92	0.00
85	P	Styrene	50.0000	50.2027	-0.4	91	0.00
86	I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	108	0.00
87	P	Bromoform	50.0000	49.9559	0.1	98	0.00
88		2-CBTF	50.0000	49.3465	1.3	96	0.00
89	P	Isopropylbenzene	50.0000	51.2180	-2.4	91	0.00
90		Cyclohexanone	1000.0000	866.2897	13.4	84	0.00
91		trans-1,4-Dichloro-2-Butene	50.0000	48.8238	2.4	89	0.00
92	P	1,1,2,2-Tetrachloroethane	50.0000	48.2870	3.4	94	0.00
93		Bromobenzene	50.0000	47.2562	5.5	93	0.00
94		1,2,3-Trichloropropane	50.0000	47.0030	6.0	91	0.00
95		n-Propylbenzene	50.0000	49.7093	0.6	90	0.00
96		2-Chlorotoluene	50.0000	48.7552	2.5	91	0.00
97		3-Chlorotoluene	50.0000	50.8610	-1.7	96	0.00
98		4-Chlorotoluene	50.0000	49.0834	1.8	92	0.00
99		1,3,5-Trimethylbenzene	50.0000	51.2086	-2.4	93	0.00
100		tert-Butylbenzene	50.0000	48.2991	3.4	91	0.00
101		1,2,4-Trimethylbenzene	50.0000	49.0099	2.0	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 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	48.9930	2.0	96	0.00
103		sec-Butylbenzene	50.0000	50.3592	-0.7	92	0.00
104		p-Isopropyltoluene	50.0000	50.9993	-2.0	93	0.00
105	P	1,3-Dclbenz	50.0000	48.5424	2.9	93	0.00
106	P	1,4-Dclbenz	50.0000	47.3686	5.3	93	0.00
107		2,4-DCBTF	50.0000	48.6113	2.8	94	0.00
108		2,5-DCBTF	50.0000	48.7872	2.4	96	0.00
109		n-Butylbenzene	50.0000	51.5698	-3.1	94	0.00
110	P	1,2-Dclbenz	50.0000	47.1254	5.7	92	0.00
111	P	1,2-Dibromo-3-chloropropane	50.0000	46.6124	6.8	90	0.00
112		Trielution Dichlorotoluene	150.0000	156.3452	-4.2	96	0.00
113		1,3,5 Trichlorobenzene	50.0000	49.3372	1.3	95	0.00
114		Coelution Dichlorotoluene	100.0000	104.8742	-4.9	96	0.00
115	P	1,2,4-Tcbenzene	50.0000	49.6208	0.8	99	0.00
116		Hexachlorobt	50.0000	48.6101	2.8	90	0.00
117		Naphthalen	50.0000	52.3461	-4.7	94	0.00
118		1,2,3-Tclbenzene	50.0000	49.7720	0.5	96	0.00
119		2,4,5-Trichlorotolene	50.0000	51.8293	-3.7	96	0.00
120		2,3,6-Trichlorotoluene	50.0000	48.2351	3.5	91	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	359924	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.523	114	544786	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	491637	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	273724	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	134826	46.86	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.72%				
48) surr1,1,2-dichloroetha...	5.853	65	166542	47.72	ppb		0.01
Spiked Amount 50.000	Range 73 - 125		Recovery = 95.44%				
65) SURR3,Toluene-d8	8.315	98	654409	48.72	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.44%				
70) SURR2,BFB	10.864	95	240189	46.31	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.62%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.207	85	184678	46.02	ppb		98
3) Chloromethane	1.335	50	238584	54.32	ppb		99
4) Vinyl Chloride	1.408	62	249277	54.63	ppb		100
5) Bromomethane	1.640	94	137462	39.27	ppb		98
6) Chloroethane	1.719	64	147042	51.75	ppb		97
7) Freon 21	1.872	67	254524	49.92	ppb		99
8) Trichlorofluoromethane	1.908	101	203579	50.25	ppb		96
9) Diethyl Ether	2.152	59	156379	49.50	ppb		97
10) Freon 123a	2.158	67	161271	49.06	ppb		96
11) Freon 123	2.213	83	181566	45.22	ppb		99
12) Acrolein	2.268	56	207480	223.36	ppb		93
13) 1,1-Diclethene	2.341	96	138909	49.45	ppb		95
14) Freon 113	2.335	101	136075	51.49	ppb		92
15) Acetone	2.408	43	73272	48.42	ppb		94
16) 2-Propanol	2.542	45	276666	906.55	ppb		96
17) Iodomethane	2.475	142	154348	35.95	ppb		99
18) Carbon Disulfide	2.530	76	416872	48.60	ppb		98
19) Acetonitrile	2.670	40	46354m	184.91	ppb		
20) Allyl Chloride	2.676	76	79947	49.15	ppb	#	91
21) Methyl Acetate	2.713	43	166031	47.68	ppb		96
22) Methylene Chloride	2.804	84	159798	43.90	ppb		96
23) TBA	2.951	59	432331	870.73	ppb		97
24) Acrylonitrile	3.085	53	470723	253.89	ppb		98
25) Methyl-t-Butyl Ether	3.097	73	544698	49.53	ppb		98
26) trans-1,2-Dichloroethene	3.085	96	151604	48.79	ppb		91
28) 1,1-Diclethane	3.597	63	283395	52.59	ppb		99
29) Vinyl Acetate	3.694	86	37966	49.44	ppb	#	69
30) DIPE	3.700	45	584580	63.43	ppb		93
31) 2-Chloro-1,3-Butadiene	3.713	53	258481	52.41	ppb		96
32) ETBE	4.237	59	535874	57.36	ppb		98
33) 2,2-Dichloropropane	4.432	77	197907	47.38	ppb		96
34) cis-1,2-Dichloroethene	4.450	96	173626	48.04	ppb		95
35) 2-Butanone	4.517	43	115468	51.98	ppb		92
36) Propionitrile	4.639	54	193186	260.31	ppb		98
37) Bromochloromethane	4.853	130	106517	48.31	ppb	#	87
38) Methacrylonitrile	4.889	67	94512	46.47	ppb		92
39) Tetrahydrofuran	4.956	42	79243	51.53	ppb		90
40) Chloroform	5.036	83	249954	45.37	ppb		99
41) 1,1,1-Trichloroethane	5.304	97	200493	46.88	ppb		96

1st 03/30/20
2nd 04/03/20

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) TAME	6.133	73	527702	53.57	ppb		97
44) Cyclohexane	5.359	41	141880	47.00	ppb		95
46) Carbontetrachloride	5.560	117	143746	46.42	ppb		98
47) 1,1-Dichloropropene	5.584	75	210203	51.71	ppb		99
49) Benzene	5.907	78	663273	49.21	ppb		99
50) 1,2-Dichloroethane	5.968	62	210482	48.43	ppb		98
51) Iso-Butyl Alcohol	5.962	43	196365	1008.22	ppb		100
52) n-Heptane	6.352	43	232564	55.16	ppb		94
53) 1-Butanol	6.901	56	310142	2627.66	ppb		94
54) Trichloroethene	6.834	130	168561	49.18	ppb		97
55) Methylcyclohexane	7.047	55	210890	47.43	ppb		94
56) 1,2-Diclpropane	7.133	63	175910	51.66	ppb		96
57) Dibromomethane	7.273	93	94706	47.24	ppb		93
58) 1,4-Dioxane	7.340	88	62389m	834.93	ppb		
59) Methyl Methacrylate	7.352	69	152728	48.12	ppb		98
60) Bromodichloromethane	7.499	83	178860	48.36	ppb		98
61) 2-Nitropropane	7.803	41	41427	103.30	ppb		89
62) 2-Chloroethylvinyl Ether	7.901	63	90301	43.43	ppb		96
63) cis-1,3-Dichloropropene	8.029	75	260201	51.94	ppb		97
64) 4-Methyl-2-pentanone	8.242	43	220093	50.70	ppb		98
66) Toluene	8.389	91	724981	49.48	ppb		97
67) trans-1,3-Dichloropropene	8.669	75	228750	50.47	ppb		95
68) Ethyl Methacrylate	8.797	69	258377	49.73	ppb		98
69) 1,1,2-Trichloroethane	8.858	97	161842	46.50	ppb		97
72) Tetrachloroethene	8.968	164	135679	49.50	ppb		97
73) 2-Hexanone	9.145	43	160464	49.99	ppb		94
74) 1,3-Dichloropropane	9.023	76	292188	49.48	ppb		97
75) Dibromochloromethane	9.248	129	136453	50.80	ppb		94
76) N-Butyl Acetate	9.291	43	305690	52.33	ppb		97
77) 1,2-Dibromoethane	9.340	107	154599	46.27	ppb		97
78) Chlorobenzene	9.821	112	480575	50.03	ppb		96
79) 3-CBTF	9.840	180	286418	51.78	ppb		97
80) 4-CBTF	9.894	180	259538	50.97	ppb		98
81) 1,1,1,2-Tetrachloroethane	9.913	131	141590	49.19	ppb		93
82) Ethylbenzene	9.937	106	262103	49.40	ppb		95
83) (m+p)Xylene	10.047	106	640065	101.33	ppb		100
84) o-Xylene	10.407	106	314282	49.48	ppb		99
85) Styrene	10.419	104	546944	50.20	ppb		100
87) Bromoform	10.583	173	85565	49.96	ppb		99
88) 2-CBTF	10.656	180	274233	49.35	ppb		99
89) Isopropylbenzene	10.736	105	814941	51.22	ppb		98
90) Cyclohexanone	10.821	55	741076	866.29	ppb		96
91) trans-1,4-Dichloro-2-B...	11.059	53	52228	48.82	ppb		85
92) 1,1,2,2-Tetrachloroethane	11.010	83	229730	48.29	ppb		100
93) Bromobenzene	10.986	156	202551	47.26	ppb		99
94) 1,2,3-Trichloropropane	11.041	110	74805	47.00	ppb	#	82
95) n-Propylbenzene	11.089	91	938309	49.71	ppb		98
96) 2-Chlorotoluene	11.156	91	567535	48.76	ppb		98
97) 3-Chlorotoluene	11.211	91	618217	50.86	ppb		100
98) 4-Chlorotoluene	11.248	91	626377	49.08	ppb		97
99) 1,3,5-Trimethylbenzene	11.242	105	686001	51.21	ppb		100
100) tert-Butylbenzene	11.510	119	586836	48.30	ppb		100
101) 1,2,4-Trimethylbenzene	11.553	105	688234	49.01	ppb		100
102) 3,4-DCBTF	11.614	214	233327	48.99	ppb		100
103) sec-Butylbenzene	11.693	105	865988	50.36	ppb		99
104) p-Isopropyltoluene	11.815	119	760647	51.00	ppb		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.778	146	403360	48.54	ppb	97
106) 1,4-Dclbenz	11.851	146	408033	47.37	ppb	100
107) 2,4-DCBTF	11.906	214	214634	48.61	ppb	98
108) 2,5-DCBTF	11.943	214	238257	48.79	ppb	97
109) n-Butylbenzene	12.144	91	687718	51.57	ppb	99
110) 1,2-Dclbenz	12.156	146	399411	47.13	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.784	157	52733	46.61	ppb	92
112) Trielution Dichlorotol...	12.894	125	1142690	156.35	ppb	96
113) 1,3,5 Trichlorobenzene	12.943	180	332966	49.34	ppb	97
114) Coelution Dichlorotoluene	13.223	125	839922	104.87	ppb	97
115) 1,2,4-Tcbenzene	13.430	180	324102	49.62	ppb	99
116) Hexachlorobt	13.558	225	127296	48.61	ppb	96
117) Naphthalen	13.619	128	950274	52.35	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	320345	49.77	ppb	100
119) 2,4,5-Trichlorotolene	14.387	159	237127	51.83	ppb	99
120) 2,3,6-Trichlorotoluene	14.473	159	206145	48.24	ppb	97

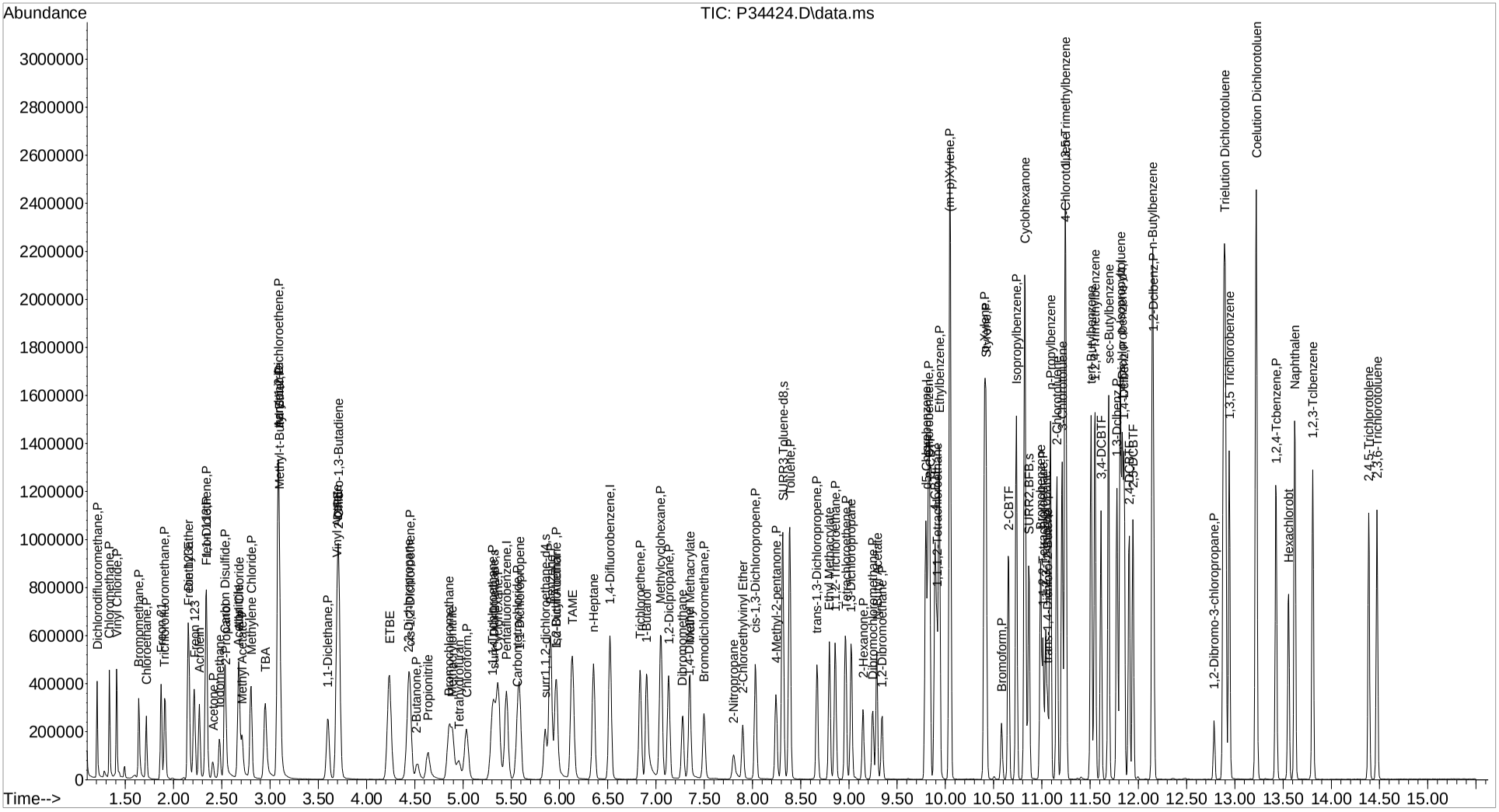
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34424.D
Acq On : 30 Mar 2020 10:55 am
Operator : K.Ruest
Sample : CCV Inst : MSVOA-12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:26:55 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W012120.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed Jan 22 11:26:04 2020
Response via : Initial Calibration

1st 03/30/20
2nd 04/03/20

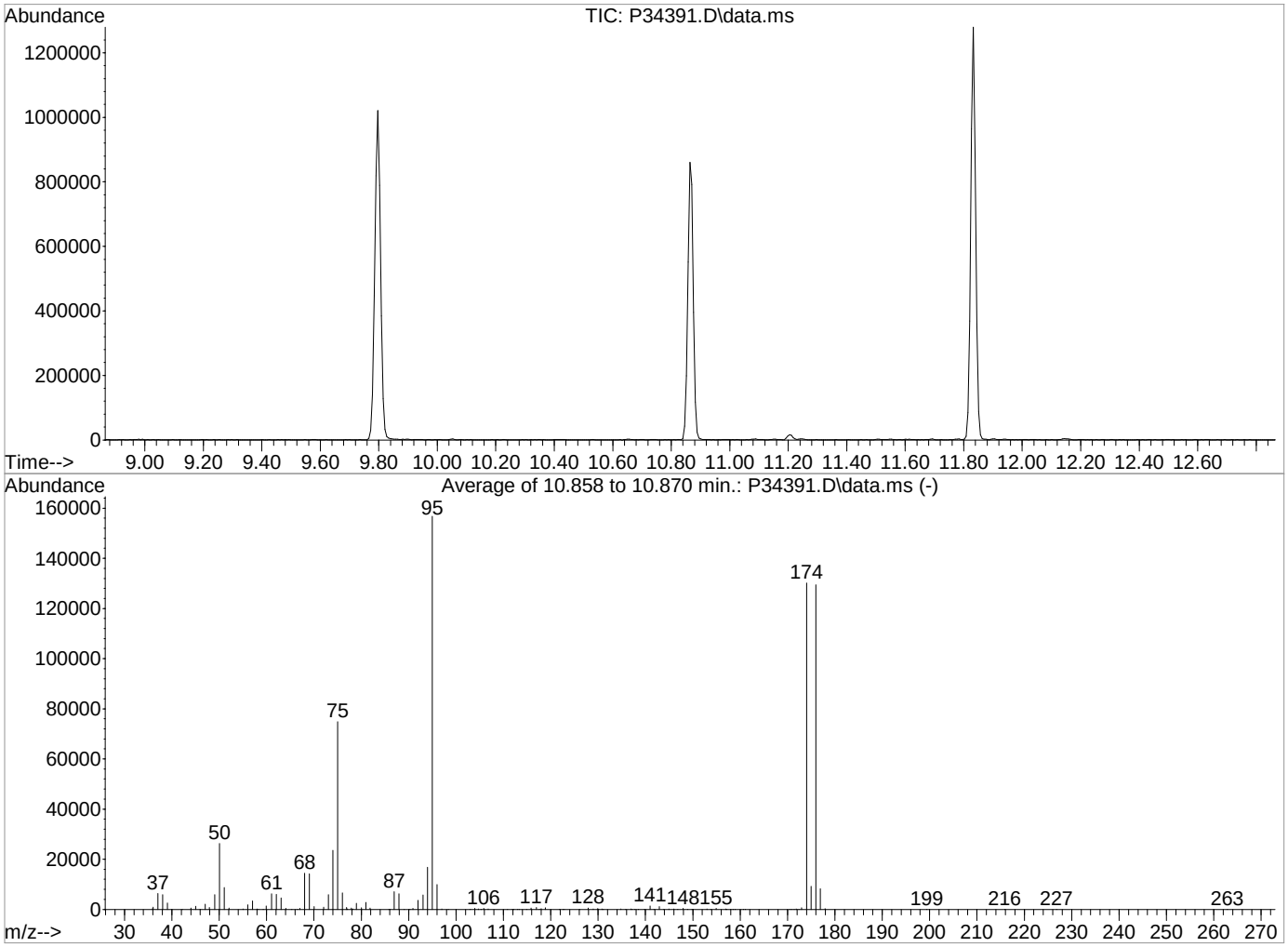


1st 03/27/20
2nd 04/02/20

Data Path : I:\ACQUDATA\msvoa12\Data\032720\
Data File : P34391.D
Acq On : 27 Mar 2020 11:50 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\W012120.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Wed Jan 22 11:26:04 2020



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1594

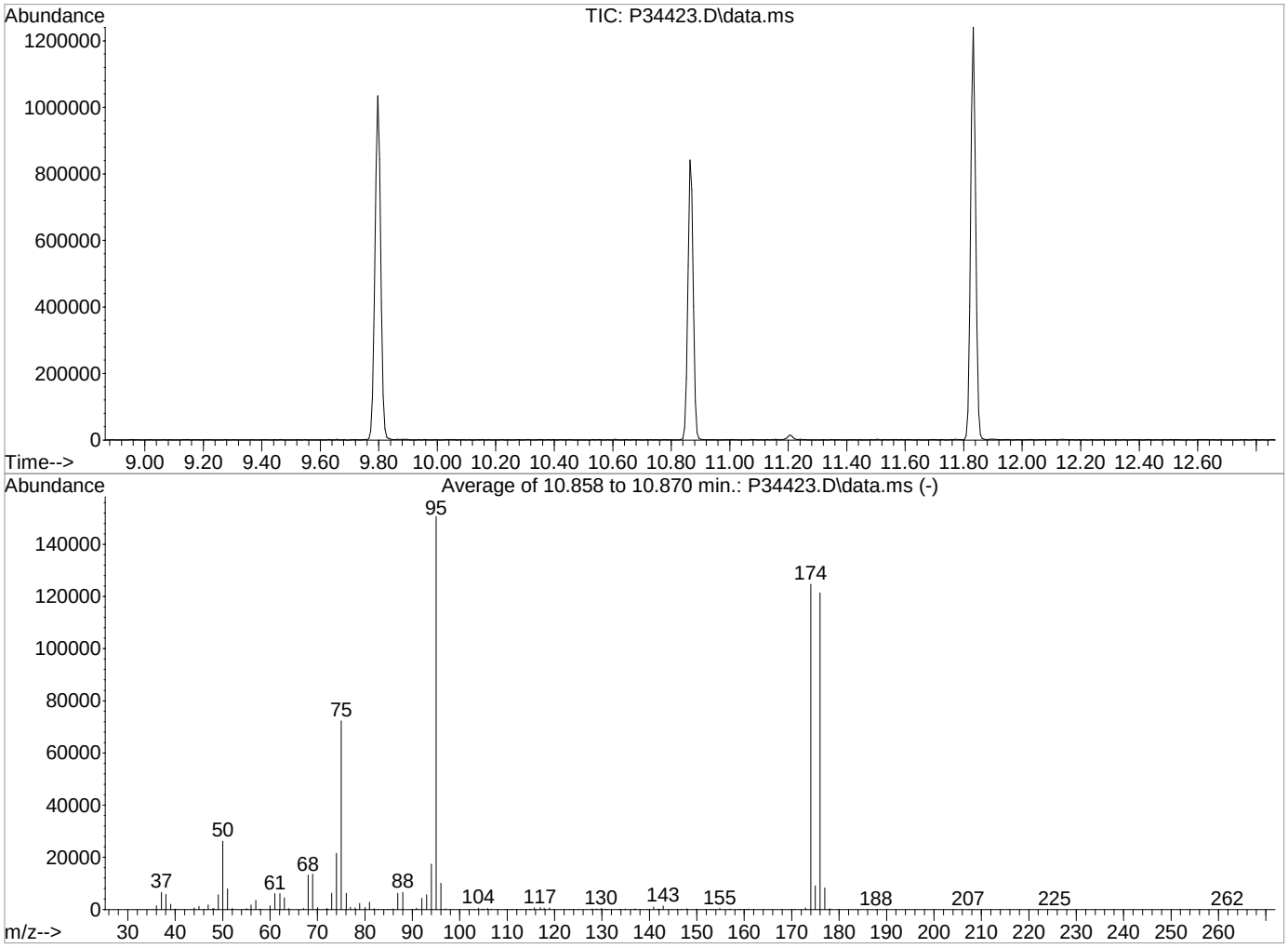
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	26349	PASS
75	95	30	60	47.7	74824	PASS
95	95	100	100	100.0	156811	PASS
96	95	5	9	6.3	9927	PASS
173	174	0.00	2	0.5	627	PASS
174	95	50	120	83.0	130165	PASS
175	174	5	9	7.1	9236	PASS
176	174	95	101	99.4	129411	PASS
177	176	5	9	6.4	8285	PASS

1st 03/30/20
2nd 04/03/20

Data Path : I:\ACQUDATA\msvoa12\Data\033020\
Data File : P34423.D
Acq On : 30 Mar 2020 10:25 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\W012120.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Wed Jan 22 11:26:04 2020



AutoFind: Scans 1601, 1602, 1603; 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	26232	PASS
75	95	30	60	48.0	72304	PASS
95	95	100	100	100.0	150765	PASS
96	95	5	9	6.7	10161	PASS
173	174	0.00	2	0.5	658	PASS
174	95	50	120	82.7	124661	PASS
175	174	5	9	7.3	9048	PASS
176	174	95	101	97.4	121427	PASS
177	176	5	9	6.8	8229	PASS

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton **Calibration Date:** 1/21/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000011 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC2000011-01	0.5ppb	I:\ACQUDATA\msvoa12\Data\012120\P33072.D	01/21/2020 13:10
02	RC2000011-02	1.0ppb	I:\ACQUDATA\msvoa12\Data\012120\P33073.D	01/21/2020 13:32
03	RC2000011-03	2.0ppb	I:\ACQUDATA\msvoa12\Data\012120\P33074.D	01/21/2020 13:53
04	RC2000011-04	5.0ppb	I:\ACQUDATA\msvoa12\Data\012120\P33075.D	01/21/2020 14:15
05	RC2000011-05	20ppb	I:\ACQUDATA\msvoa12\Data\012120\P33076.D	01/21/2020 14:37
06	RC2000011-06	50ppb	I:\ACQUDATA\msvoa12\Data\012120\P33077.D	01/21/2020 14:58
07	RC2000011-07	100ppb	I:\ACQUDATA\msvoa12\Data\012120\P33078.D	01/21/2020 15:20
08	RC2000011-08	150ppb	I:\ACQUDATA\msvoa12\Data\012120\P33079.D	01/21/2020 15:42
09	RC2000011-09	200ppb	I:\ACQUDATA\msvoa12\Data\012120\P33080.D	01/21/2020 16:04

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.5568	03	2.000	0.5529	04	5.000	0.5684	05	20.000	0.6008
06	50.000	0.6648	07	100.000	0.6105	08	150.000	0.6329	09	200.000	0.5653

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5354	02	1.000	0.7388	03	2.000	0.7252	04	5.000	0.8142
05	20.000	0.8084	06	50.000	0.838	07	100.000	0.7781	08	150.000	0.7864
09	200.000	0.7127									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.277	02	1.000	0.3582	03	2.000	0.4173	04	5.000	0.3902
05	20.000	0.4312	06	50.000	0.4462	07	100.000	0.4091	08	150.000	0.4139
09	200.000	0.3687									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5545	05	20.000	0.4387	06	50.000	0.4768	07	100.000	0.4601
08	200.000	0.45									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.302	05	20.000	0.2378	06	50.000	0.2711	07	100.000	0.2585
08	200.000	0.2511									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2347	02	1.000	0.2544	03	2.000	0.2957	04	5.000	0.2916
05	20.000	0.3051	06	50.000	0.306	07	100.000	0.2844	08	150.000	0.2842
09	200.000	0.2528									

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton **Calibration Date:** 1/21/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000011 **Signal ID:** 1
Instrument ID: R-MS-12

Analyte

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.499	05	20.000	1.138	06	50.000	1.258	07	100.000	1.176
08	200.000	1.094									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2348	02	1.000	0.3181	03	2.000	0.3485	04	5.000	0.3378
05	20.000	0.337	06	50.000	0.3418	07	100.000	0.3148	08	150.000	0.3153
09	200.000	0.283									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4042	02	1.000	0.5894	03	2.000	0.6275	04	5.000	0.6377
05	20.000	0.7209	06	50.000	0.7531	07	100.000	0.6825	08	150.000	0.6741
09	200.000	0.6159									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4796	02	1.000	0.4843	03	2.000	0.5376	04	5.000	0.4979
05	20.000	0.515	06	50.000	0.5369	07	100.000	0.4991	08	150.000	0.5027
09	200.000	0.4657									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3289	02	1.000	0.4164	03	2.000	0.4719	04	5.000	0.4222
05	20.000	0.4624	06	50.000	0.4852	07	100.000	0.4397	08	150.000	0.4523
09	200.000	0.4063									

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton **Calibration Date:** 1/21/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000011 **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	6.8	≤20	0.5941	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	12.1	≤20	0.7486	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	13.1	≤20	0.3902	0.100
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.7	≤20	0.476	
Dibromofluoromethane	SURR	Average RF	% RSD	9.2	≤20	0.2641	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	9.1	≤20	0.2787	0.200
Toluene-d8	SURR	Average RF	% RSD	13.0	≤20	1.233	
Trichloroethene (TCE)	TRG	Average RF	% RSD	11.4	≤20	0.3146	0.200
Vinyl Chloride	TRG	Average RF	% RSD	15.9	≤20	0.6339	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	4.9	≤20	0.5021	0.100
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	10.8	≤20	0.4317	0.100

Client: Verina Consulting Group, LLC **Service Request:** R2002580
Project: Dover - Binghamton **Calibration Date:** 1/21/2020

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000011 **Signal ID:** 1
Instrument ID: R-MS-12

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC2000011-10	ICV/LCS 50	I:\ACQUDATA\msvoa12\Data\012220\P33091.D	01/22/2020 11:47

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.5	5.941E-1	5.877E-1	-1.072	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.8	7.486E-1	7.305E-1	-2.415	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	48.9	3.902E-1	3.814E-1	-2.260	±30	Average RF
Tetrachloroethene (PCE)	50.0	46.9	2.787E-1	2.615E-1	-6.196	±30	Average RF
Trichloroethene (TCE)	50.0	46.7	3.146E-1	2.94E-1	-6.540	±30	Average RF
Vinyl Chloride	50.0	47.8	6.339E-1	6.065E-1	-4.326	±30	Average RF
cis-1,2-Dichloroethene	50.0	47.7	5.021E-1	4.787E-1	-4.656	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.8	4.317E-1	4.209E-1	-2.495	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	46.6	4.76E-1	4.441E-1	-6.715	±30	Average RF
Dibromofluoromethane	50.0	46.1	2.641E-1	2.434E-1	-7.831	±30	Average RF
Toluene-d8	50.0	47.3	1.233E0	1.166E0	-5.438	±30	Average RF

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

Service Request: R2002580
Date Analyzed: 03/27/20 12:20

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa12\Data\032720\P34392.D\
Signal ID: 1

Calibration Date: 1/21/2020
Calibration ID: RC2000011
Analysis Lot: 674997
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.0	0.5941	0.5826	-1.9	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	54.8	0.7486	0.8204	9.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	51.6	0.3902	0.4024	3.1	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	52.9	0.2787	0.295	5.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	51.8	0.3146	0.3257	3.5	NA	±20	Average RF
Vinyl Chloride	50.0	55.5	0.6339	0.7032	10.9	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.5	0.5021	0.4975	-0.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	50.9	0.4317	0.4395	1.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	47.4	0.476	0.4517	-5.1	NA	±20	Average RF
Dibromofluoromethane	50.0	48.2	0.2641	0.2548	-3.5	NA	±20	Average RF
Toluene-d8	50.0	49.7	1.2328	1.2245	-0.7	NA	±20	Average RF

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

Service Request: R2002580
Date Analyzed: 03/30/20 10:55

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa12\Data\033020\P34424.D\
Signal ID: 1

Calibration Date: 1/21/2020
Calibration ID: RC2000011
Analysis Lot: 675104
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	46.9	0.5941	0.557	-6.2	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	52.6	0.7486	0.7874	5.2	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.5	0.3902	0.3859	-1.1	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.5	0.2787	0.276	-1.0	NA	±20	Average RF
Trichloroethene (TCE)	50.0	49.2	0.3146	0.3094	-1.6	NA	±20	Average RF
Vinyl Chloride	50.0	54.6	0.6339	0.6926	9.3	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	48.0	0.5021	0.4824	-3.9	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	48.8	0.4317	0.4212	-2.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	46.3	0.476	0.4409	-7.4	NA	±20	Average RF
Dibromofluoromethane	50.0	46.9	0.2641	0.2475	-6.3	NA	±20	Average RF
Toluene-d8	50.0	48.7	1.2328	1.2012	-2.6	NA	±20	Average RF

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**674997
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\032720\P34391.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	11:50:00	
I:\ACQUDATA\msvoa12\Data\032720\P34392.D\	Continuing Calibration Verification	RQ2003022-02	3/27/2020	12:20:00	
I:\ACQUDATA\msvoa12\Data\032720\P34393.D\	Lab Control Sample	RQ2003022-03	3/27/2020	12:45:00	
I:\ACQUDATA\msvoa12\Data\032720\P34394.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	13:07:00	
I:\ACQUDATA\msvoa12\Data\032720\P34396.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	14:12:00	
I:\ACQUDATA\msvoa12\Data\032720\P34397.D\	Method Blank	RQ2003022-06	3/27/2020	14:34:00	
I:\ACQUDATA\msvoa12\Data\032720\P34398.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	15:05:00	
I:\ACQUDATA\msvoa12\Data\032720\P34399.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	15:26:00	
I:\ACQUDATA\msvoa12\Data\032720\P34400.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	15:48:00	
I:\ACQUDATA\msvoa12\Data\032720\P34401.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	16:10:00	
I:\ACQUDATA\msvoa12\Data\032720\P34402.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	16:31:00	
I:\ACQUDATA\msvoa12\Data\032720\P34403.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	16:53:00	
I:\ACQUDATA\msvoa12\Data\032720\P34404.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	17:15:00	
I:\ACQUDATA\msvoa12\Data\032720\P34405.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	17:37:00	
I:\ACQUDATA\msvoa12\Data\032720\P34406.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	17:59:00	
I:\ACQUDATA\msvoa12\Data\032720\P34407.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	18:20:00	
I:\ACQUDATA\msvoa12\Data\032720\P34408.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	19:04:00	
I:\ACQUDATA\msvoa12\Data\032720\P34409.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	19:26:00	
I:\ACQUDATA\msvoa12\Data\032720\P34410.D\	TB 032620	R2002580-006	3/27/2020	19:47:00	
I:\ACQUDATA\msvoa12\Data\032720\P34411.D\	FB 032620	R2002580-009	3/27/2020	20:09:00	
I:\ACQUDATA\msvoa12\Data\032720\P34412.D\	MW-8 032520	R2002580-002	3/27/2020	20:31:00	
I:\ACQUDATA\msvoa12\Data\032720\P34414.D\	MW-9 032520	R2002580-004	3/27/2020	21:14:00	
I:\ACQUDATA\msvoa12\Data\032720\P34416.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	21:58:00	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**674997
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\032720\P34417.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	22:19:00	
I:\ACQUDATA\msvoa12\Data\032720\P34418.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	22:41:00	
I:\ACQUDATA\msvoa12\Data\032720\P34419.D\	ZZZZZZZ	ZZZZZZZ	3/27/2020	23:03:00	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**675104
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\033020\P34423.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	10:25:00	
I:\ACQUDATA\msvoa12\Data\033020\P34424.D\	Continuing Calibration Verification	RQ2003069-02	3/30/2020	10:55:00	
I:\ACQUDATA\msvoa12\Data\033020\P34425.D\	Lab Control Sample	RQ2003069-03	3/30/2020	11:24:00	
I:\ACQUDATA\msvoa12\Data\033020\P34426.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	11:46:00	
I:\ACQUDATA\msvoa12\Data\033020\P34428.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	12:37:00	
I:\ACQUDATA\msvoa12\Data\033020\P34429.D\	Method Blank	RQ2003069-06	3/30/2020	12:59:00	
I:\ACQUDATA\msvoa12\Data\033020\P34430.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	13:28:00	
I:\ACQUDATA\msvoa12\Data\033020\P34431.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	13:50:00	
I:\ACQUDATA\msvoa12\Data\033020\P34432.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	14:12:00	
I:\ACQUDATA\msvoa12\Data\033020\P34433.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	14:34:00	
I:\ACQUDATA\msvoa12\Data\033020\P34434.D\	MW-10 032520	R2002580-003	3/30/2020	14:55:00	
I:\ACQUDATA\msvoa12\Data\033020\P34435.D\	MW-8 032520	R2002580-002	3/30/2020	15:17:00	
I:\ACQUDATA\msvoa12\Data\033020\P34436.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	15:39:00	
I:\ACQUDATA\msvoa12\Data\033020\P34437.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	16:01:00	
I:\ACQUDATA\msvoa12\Data\033020\P34439.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	16:44:00	
I:\ACQUDATA\msvoa12\Data\033020\P34440.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	17:06:00	
I:\ACQUDATA\msvoa12\Data\033020\P34441.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	17:28:00	
I:\ACQUDATA\msvoa12\Data\033020\P34442.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	17:50:00	
I:\ACQUDATA\msvoa12\Data\033020\P34443.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	18:11:00	
I:\ACQUDATA\msvoa12\Data\033020\P34445.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	18:55:00	
I:\ACQUDATA\msvoa12\Data\033020\P34447.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	19:38:00	
I:\ACQUDATA\msvoa12\Data\033020\P34448.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	20:00:00	
I:\ACQUDATA\msvoa12\Data\033020\P34450.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	20:43:00	

Client: Verina Consulting Group, LLC **Service Request:**R2002580
Project: Dover - Binghamton/5101.0003

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**675104
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\033020\P34451.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	21:05:00	
I:\ACQUDATA\msvoa12\Data\033020\P34452.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	21:27:00	
I:\ACQUDATA\msvoa12\Data\033020\P34453.D\	ZZZZZZZ	ZZZZZZZ	3/30/2020	21:49:00	

Analysis: 8260 waters | Analyst: K. Quest | pH strips: 207519 | Tune Method: W012120

Date: 3/27/2020 | Balance ID: N/A | ResCl strips: 101019E | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 205000 | LIMS Run#: 674997

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							P34386		↑ SO2
2	↓							P34387		
3	TUNE							P34388	YT	10:21 (auto)
1	CCV							P34389	(N)	↓ BM - start over
1	high gas							P34390	—	
2	TUNE		RQ2003027.01					P34391	YT	(auto) 11:50
1	CCV		02					P34392	YC	
1	LCS.FP		03					P34393	YD	
2	LCS.ump		04					P34394	YD	* 110CE↑ 8260
1	BLK		—					P34395	(N)	rpt 4/0
2	mBLK.ump		05					P34396	YB	
3	mBLK.FP		06					P34397	YB	
1	R2002497.001	1.0	—	19917	2	1	<2	P34398	Y	
2	↓ 002	1.0	—	↓	↓	1	<2	P34399	Y	
3	↓ 004	1.0	(Residual Cl.)	↓	↓	1	<2	P34400	Y	
4	R2002584.006	1.0	neg	11868	2	1	(5)	P34401	Y	
5	↓ 003	2.5	20/50mls neg	↓	↓	c.1	(6)	P34402	Y	
6	R2002614.006	1.0	neg			1	(5)	P34403	Y	
7	↓ 003	2.5	20/50mls neg	↓	↓	c.1	(6)	P34404	Y	
8	R2002557.001	1.0	—	9434	2	1	<2	P34405	Y	chloroform only
9	R2002602.003	1.0	neg	20564	2	1	6	P34406	Y	
10	↓ 001	5.0	10/50mls neg	↓	↓	1	7	P34407	Y	chloroform only - high T. form
(PA) 12	R2002580.001	1.0	—	7979	4	1	4	P34408	Y	
13	↓ 005	1.0	—	↓	↓	1	4	P34409	Y	
14	006	1.0	—	66646		1	<2	P34410	Y	
15	009	1.0	—			1	<2	P34411	Y	
16	002	1.0	—			1	<2	P34412	(Y)	110CE hit, rpt 5.0 (cis, TCE)
17	003	1.0	—			1	<2	P34413	(N)	rpt 1.0 c/o
18	004	1.0	—	↓		1	<2	P34414	Y	
19	007	1.0	—	7979		1	6	P34415	(Y)	rpt 1.0 110CE
20	008	1.0	—	↓		1	7	P34416	Y	
21	↓ 010	1.0	—	↓	↓	1	6	P34417	Y	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Combined IS/Surr —

Surrogate 50 : 207522

Internal Std 50 : 207524

Reagents: —

500 Primary Dcc+ : 207301

Primary Fr+ : 208134 — 5ul → 50mls

Primary T6 : 207936 — =CCV

Primary HSL : 207967

Primary —

200 Secondary Fr+ : 207701 - 5ul - 10.6uL

500 Secondary Dcc+ : 208206

Secondary T6 : 208099 — 2ml — 50mls =LCS

Secondary HSL : 207874

Secondary —

4.2uL → 42ml vial = ms/D

Analysis: _____ Analyst: _____ pH strips: _____ Tune Method: _____

Date: 3/27/2020 - cont'd Balance ID: _____ ResCl strips: _____ Run Method: _____

Instr. _____ 50 mL Class A used for dilution FV Syringes: _____ LIMS Run# : _____

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
22	R2002602-001	5.0	10/50mls	20564	2	1	7	P34418	YQ	RunQC
23	↓ 001	5.0	↓	↓	↓	1	7	P34419	YQ	↓
24	BLK (MB)							P34420	—	
25	~~BLK (MB)~~					—	—	———	—	
(11)	BLK					—	—	P34407A	—	

EOD

KD 3/27/2020

All samples = _____mL + _____uL combined IS/Surr. _____mL purged

Combined IS/Surr :_____

Primary :_____ Secondary :_____ Surrogate :_____

Primary :_____ Secondary :_____ Internal Std :_____

Primary :_____ Secondary :_____ Reagents:

Primary :_____ Secondary :_____

Primary :_____ Secondary :_____

R2002584 - C03

SPDES Outfall 020 VOC Compositing for MPM Silicones Lab

flow rate weighted

	020
Start Time	3/24/20 8:00 AM
End Time	3/25/20 8:00 AM
Sample Volume Required	100 ml

Sample Period Start Time	020 Sample No.	020 Grab period hours	020 Sample Volume Required (ml)
3/24/20 8:00 AM	1	4.0	**16.4**
3/24/20 12:00 PM	2	4.3	**17.8**
3/24/20 4:15 PM	3	3.8	**15.9**
3/24/20 8:00 PM	4	4.0	**17.0**
3/25/20 12:00 AM	5	4.0	**17.0**
3/25/20 4:00 AM	6	4.0	**15.8**
3/25/20 8:00 AM	End Time		

Total sample size ml 100.00

Comp. per above
ICR 3/27/2020

R2002614. 003

SPDES Outfall 020 VOC Compositing for MPM Silicones Lab

flow rate weighted

	020
Start Time	3/25/20 8:00 AM
End Time	3/26/20 8:00 AM
Sample Volume Required	100 ml

Sample Period Start Time	020 Sample No.	020 Grab period hours	020 Sample Volume Required (ml)
3/25/20 8:00 AM	1	4.0	**16.4**
3/25/20 12:00 PM	2	4.0	**16.8**
3/25/20 4:00 PM	3	4.0	**16.9**
3/25/20 8:00 PM	4	4.0	**16.9**
3/26/20 12:00 AM	5	4.3	**18.1**
3/26/20 4:20 AM	6	3.7	**14.9**
3/26/20 8:00 AM	End Time		

Total sample size ml 100.00

Comp. per above KR 3/27/2020

Analysis: 8260D waters | Analyst: K. Ruest | pH strips: 207519 | Tune Method: W012120

Date: 3/30/2020 | Balance ID: N/A | ResCl strips: ~~N/A~~ 1010197E | Run Method: ↓

Instr. 12 | 50 mL Class A used for dilution FV | Syringes: 205000 (YB) | LIMS Run#: 675104

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							P34421		
2	HIGH STD							P34422		
3	TUNE		RQ2003069.01					P34423	YT	(auto) 10:25
1	CCV		02					P34424	YC	
1	LCS.FP		03					P34425	YD	
2	LCS.UNP		04					P34426	YD	
1	BLK		—					P34427	(N)	not c/o
2	MBLK.FP		05					P34428	YB	
3	MBLK.UNP		06					P34429	YB	
1	R2002562.003	1.0		6813	4	1	<2	P34430	Y	
2	↓ 001	1.0		↓	↓	1	<2	P34431	Y	
3	↓ 002	1.0		↓	↓	1	<2	P34432	Y	
4	R2002580.007	1.0		7979	4	2	6	P34433	Y	
5	↓ 003	1.0		6646	↓	2	<2	P34434	Y	
6	↓ 002	5.0	10/50mls	↓	↓	2	<2	P34435	(Y)	(DL) cis+TCE
7	R2002624.001	1.0	resid/neg	14250	2	1	(7)	P34436	Y	(MNT's)
8	↓ 007	1.0	cl < neg	22002	↓	C-1	(8)	P34437	Y	↓
9	BLK					—	—	P34438	—	
10	R2002561.003	1.0		19638	2	1	<2	P34439	Y	
11	↓ 005	1.0		↓	↓	1	<2	P34440	Y	
12	↓ 006	1.0		↓	↓	1	<2	P34441	Y	
13	↓ 007	1.0		↓	↓	1	<2	P34442	Y	
14	↓ 008	1.0		↓	↓	1	<2	P34443	Y	
15	↓ 002	5.0	10/50mls	↓	↓	1	<2	P34444	(N)	not 2.5
16	↓ 004	5.0	↓	↓	↓	1	<2	P34445	Y	
17	BLK					—	—	P34446	—	
18	R2002514.006	1.0		8768	2	1	<2	P34447	Y	
19	↓ 001	1.0		↓	↓	1	<2	P34448	(Y)	not 2.5 TCE
20	↓ 003	1.0		↓	↓	1	<2	P34449	(N)	not c/o
21	↓ 004	1.0		↓	↓	1	<2	P34450	Y	
22	↓ 005	1.0		↓	↓	1	<2	P34451	(Y)	not 2.5 TCE
23	R2002624.007	1.0	mst D	22002	2	C-1	<2	P34452	YD	21:49 ✓
24	↓ 007		All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged					P34453	YD	
25	BLK							P34454		

500 ↓ Primary Acct: 207301
Primary Fr: 208734 | 5ml→50mls
Primary TB: 207936 | =CCV
Primary HSL: 207967
Primary:

200 Secondary Fr: 207701 - 5ml
500 Secondary Acct: 208206
↓ Secondary TB: 208099 | 2ml
↓ Secondary HSL: 207874
Secondary:
50mls =LCS

-10.6mL
4.2mL ✓
40ml vial =MS/D

Combined IS/Surr:
Surrogate 50: 207522
Internal Std 50: 207524
Reagents:

September 25, 2020 Service Request No:R2008511

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

Laboratory Results for: Dover - Binghamton

Dear Ms.MacCarter,

Enclosed are the results of the sample(s) submitted to our laboratory September 16, 2020
For your reference, these analyses have been assigned our service request number **R2008511.**

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 - Binghamton
Sample Matrix: Water

Service Request: R2008511
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:

Twelve 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 09/25/2020

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-11 09142020			Lab ID: R2008511-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	5.0	J	2.0	10	ug/L	8260C

CLIENT ID: MW-10 09142020			Lab ID: R2008511-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	2.3		0.20	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	0.83	J	0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	1.0		0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	15		0.20	1.0	ug/L	8260C
Vinyl Chloride	0.26	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	3.6		0.23	1.0	ug/L	8260C

CLIENT ID: TMP-A 09142020			Lab ID: R2008511-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1-Dichloroethane (1,1-DCA)	0.76	J	0.20	1.0	ug/L	8260C

CLIENT ID: MW-9 09142020			Lab ID: R2008511-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	0.70	J	0.20	1.0	ug/L	8260C
Trichloroethene (TCE)	18		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.36	J	0.23	1.0	ug/L	8260C

CLIENT ID: MW-16 09142020			Lab ID: R2008511-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	6.6		0.20	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	21		0.20	1.0	ug/L	8260C

CLIENT ID: MW-17 09142020			Lab ID: R2008511-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	4.7		0.20	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	38		0.20	1.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	0.30	J	0.20	1.0	ug/L	8260C
Tetrachloroethene (PCE)	0.61	J	0.21	1.0	ug/L	8260C
Trichloroethene (TCE)	22		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	23		0.23	1.0	ug/L	8260C

CLIENT ID: MW-8 09142020			Lab ID: R2008511-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	3.0	J	1.0	5.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	6.0		1.0	5.0	ug/L	8260C
1,1-Dichloroethene (1,1-DCE)	9.5		1.0	5.0	ug/L	8260C
Trichloroethene (TCE)	600		1.0	5.0	ug/L	8260C
Vinyl Chloride	14		1.0	5.0	ug/L	8260C
cis-1,2-Dichloroethene	1000	D	2.3	10	ug/L	8260C
trans-1,2-Dichloroethene	12		1.0	5.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: DUP 09142020			Lab ID: R2008511-012			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	7.0		0.20	1.0	ug/L	8260C
1,1-Dichloroethane (1,1-DCA)	23		0.20	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:**R2008511
Project: Dover - Binghamton/5101.0003

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2008511-001	TB 09142020	9/14/2020	
R2008511-002	MW-11 09142020	9/14/2020	1500
R2008511-003	MW-10 09142020	9/14/2020	1510
R2008511-004	TMP-A 09142020	9/14/2020	1520
R2008511-005	MW-9 09142020	9/14/2020	1600
R2008511-006	MW-16 09142020	9/14/2020	1615
R2008511-007	DMW-3 09142020	9/14/2020	1630
R2008511-008	MW-17 09142020	9/14/2020	1700
R2008511-009	FB 09142020	9/14/2020	1730
R2008511-010	MW-8 09142020	9/14/2020	1745
R2008511-011	MW-13 09142020	9/14/2020	1750
R2008511-012	DUP 09142020	9/14/2020	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 003689

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name: Dover-Binghamton	Project Number: 5101.0003
Project Manager: Sarah Maccarter	Report CC:
Company/Address: Verina Consulting Group 1011 US Hwy 22 Bridgewater NJ	
Phone #: 908 864 4400	Email: smaccarter@vcgllc.com
Sampler's Signature:	Sampler's Printed Name: Rita De Almeida

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

PRESERVATIVE: 0/1

NUMBER OF CONTAINERS

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	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							REMARKS/ ALTERNATE DESCRIPTION
TB 09142020		9/14/20	—	TB								X							
MW-11 09142020		1	1500	GW					—	-		X							Preservative = None
MW-10 09142020			1510	GW								X							
TMP-A 09142020			1520	GW								X							
MW-9 09142020			1600	GW								X							
MW-16 09142020			1615	GW								X							- Preservative: None
DMW-3 09142020			1630	GW								X							
MW-17 09142020			1700	GW								X							
MW-17 09142020/MS			1700	GW								X							
MW-17 09142020/MSD			1700	GW								X							
FB 09142020		—	1720	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: 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 NJ

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 # 5101.0003
BILL TO: Verina Consulting Group

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
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	Date/Time: 9/16/2020 0900	Date/Time	Date/Time	Date/Time	

R2008511 5
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Dover - Binghamton

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

003690

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Project Name: Dover - Binghamton	Project Number: 5101.0003
Project Manager: Sarah Marcuter	Report CC:
Company/Address: Verina Consulting Group 1011 US Hiway 22 Bridgewater NJ	
Phone #: 908 864 4400	Email: ~~sarah~~ smarcuter@vcg-llc.com
Sampler's Signature:	Sampler's Printed Name: Rita DeAlmeida

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

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	SSPL VOCs	REMARKS/ ALTERNATE DESCRIPTION
MW-8 09142020		9/14/2020	1745	GW		X	
MW-13 09142020		"	1750	GW		X	
DUP 09142020		"	—	GW		X	Preservative: None

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)

SPECIAL INSTRUCTIONS/COMMENTS
Metals

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

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED NJ

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 # 5101.0003
BILL TO: Verina Consulting

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	
Printed Name: Rita DeAlmeida	Printed Name	Printed Name	Printed Name	Printed Name	
Firm: Verina Consulting	Firm: ASL	Firm	Firm	Firm	
Date/Time	Date/Time: 9/16/2020 0900	Date/Time	Date/Time	Date/Time	Date/Time

R2008511 5
Verina Consulting Group, LLC
Dover - Binghamton

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Dover - Binghamton

Cooler Receipt and Preservation Check Form

Project/Client Verizon 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 1922
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: 1535 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-CZ616, 0-132-011
Explain all Discrepancies/ Other Comments:

Headspace: 5 vials TB
MA13 - 3 vials

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: @
PC Secondary Review: [signature] 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:** R2008511
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2008511-001.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-001.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-001.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-002.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1103	In Lab / KRUEST	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-002.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-002.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-003.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-003.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-003.03					

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-004.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-004.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-004.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-005.01					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-005.02					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-005.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-006.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1103	In Lab / KRUEST	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-006.02					
		9/16/2020	1536	R-001 / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-006.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-007.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-007.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-007.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-008.01					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-008.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-008.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-008.04					
		9/16/2020	1537	SMO / GLAFORCE	
R2008511-008.05					
	8260C				
		9/16/2020	1537	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2008511-008.06					
		9/16/2020	1537	SMO / GLAFORCE	
R2008511-008.07					
		9/16/2020	1537	SMO / GLAFORCE	
R2008511-008.08					
		9/16/2020	1537	SMO / GLAFORCE	
R2008511-008.09					
		9/16/2020	1537	SMO / GLAFORCE	
R2008511-009.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-009.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-009.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-010.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-010.02					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/21/2020	1132	R-001-S12 / KRUEST	
R2008511-010.03					
		9/16/2020	1536	R-001 / GLAFORCE	

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton/5101.0003

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-011.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-011.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-011.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-012.01					
	8260C				
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
		9/17/2020	1103	In Lab / KRUEST	
		9/17/2020	1548	In Lab / KRUEST	
		9/17/2020	1608	R-001-S12 / KRUEST	
R2008511-012.02					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	
R2008511-012.03					
		9/16/2020	1536	R-001 / GLAFORCE	
		9/16/2020	1536	SMO / GLAFORCE	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
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:** R2008511
Project: Dover - Binghamton/5101.0003

Sample Name: TB 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-001 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-11 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-002 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-10 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-003 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: TMP-A 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-004 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-9 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-005 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton/5101.0003

Sample Name: MW-16 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-006 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: DMW-3 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-007 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-17 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-008 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: FB 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-009 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-8 09142020 **Date Collected:** 09/14/20
Lab Code: R2008511-010 **Date Received:** 09/16/20
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003		

Sample Name:	MW-8 09142020	**Date Collected:**	09/14/20
Lab Code:	R2008511-010.R01	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-13 09142020	**Date Collected:**	09/14/20
Lab Code:	R2008511-011	**Date Received:**	09/16/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	DUP 09142020	**Date Collected:**	09/14/20
Lab Code:	R2008511-012	**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
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	TB 09142020	**Units:**	ug/L
Lab Code:	R2008511-001	**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	09/17/20 23:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/17/20 23:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/17/20 23:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/20 23:09	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/17/20 23:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/20 23:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/17/20 23:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/17/20 23:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/17/20 23:09	
Dibromofluoromethane	89	89 - 119	09/17/20 23:09	
Toluene-d8	96	87 - 121	09/17/20 23:09	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 15:10
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-10 09142020	**Units:**	ug/L
Lab Code:	R2008511-003	**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)	**2.3**		1.0	0.20	1	09/17/20 23:52	
1,1-Dichloroethane (1,1-DCA)	**0.83**	**J**	1.0	0.20	1	09/17/20 23:52	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/17/20 23:52	
Tetrachloroethene (PCE)	**1.0**		1.0	0.21	1	09/17/20 23:52	
Trichloroethene (TCE)	**15**		1.0	0.20	1	09/17/20 23:52	
Vinyl Chloride	**0.26**	**J**	1.0	0.20	1	09/17/20 23:52	
cis-1,2-Dichloroethene	**3.6**		1.0	0.23	1	09/17/20 23:52	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/17/20 23:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/17/20 23:52	
Dibromofluoromethane	94	89 - 119	09/17/20 23:52	
Toluene-d8	100	87 - 121	09/17/20 23:52	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 15:20
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	TMP-A 09142020	**Units:**	ug/L
Lab Code:	R2008511-004	**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 00:14	
1,1-Dichloroethane (1,1-DCA)	**0.76 J**	1.0	0.20	1	09/18/20 00:14	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 00:14	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 00:14	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 00:14	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 00:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 00:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 00:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 00:14	
Dibromofluoromethane	93	89 - 119	09/18/20 00:14	
Toluene-d8	99	87 - 121	09/18/20 00:14	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 16:00
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-9 09142020	**Units:**	ug/L
Lab Code:	R2008511-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.70**	**J**	1.0	0.20	1	09/18/20 00:36	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/18/20 00:36	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/18/20 00:36	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/18/20 00:36	
Trichloroethene (TCE)	**18**		1.0	0.20	1	09/18/20 00:36	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/18/20 00:36	
cis-1,2-Dichloroethene	**0.36**	**J**	1.0	0.23	1	09/18/20 00:36	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/18/20 00:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 00:36	
Dibromofluoromethane	90	89 - 119	09/18/20 00:36	
Toluene-d8	99	87 - 121	09/18/20 00:36	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 16:30
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	DMW-3 09142020	**Units:**	ug/L
Lab Code:	R2008511-007	**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	09/18/20 00:58	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 00:58	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 00:58	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 00:58	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 00:58	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 00:58	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 00:58	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 00:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/18/20 00:58	
Dibromofluoromethane	90	89 - 119	09/18/20 00:58	
Toluene-d8	98	87 - 121	09/18/20 00:58	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 17:00
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-17 09142020	**Units:**	ug/L
Lab Code:	R2008511-008	**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)	**4.7**		1.0	0.20	1	09/18/20 01:20	
1,1-Dichloroethane (1,1-DCA)	**38**		1.0	0.20	1	09/18/20 01:20	
1,1-Dichloroethene (1,1-DCE)	**0.30**	**J**	1.0	0.20	1	09/18/20 01:20	
Tetrachloroethene (PCE)	**0.61**	**J**	1.0	0.21	1	09/18/20 01:20	
Trichloroethene (TCE)	**22**		1.0	0.20	1	09/18/20 01:20	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/18/20 01:20	
cis-1,2-Dichloroethene	**23**		1.0	0.23	1	09/18/20 01:20	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/18/20 01:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	09/18/20 01:20	
Dibromofluoromethane	91	89 - 119	09/18/20 01:20	
Toluene-d8	99	87 - 121	09/18/20 01:20	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 17:30
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	FB 09142020	**Units:**	ug/L
Lab Code:	R2008511-009	**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	09/17/20 23:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/17/20 23:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/17/20 23:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/20 23:31	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/17/20 23:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/20 23:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/17/20 23:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/17/20 23:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/17/20 23:31	
Dibromofluoromethane	94	89 - 119	09/17/20 23:31	
Toluene-d8	98	87 - 121	09/17/20 23:31	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 17:45
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-8 09142020	**Units:**	ug/L
Lab Code:	R2008511-010	**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)	**3.0**	**J**	5.0	1.0	5	09/18/20 02:47	
1,1-Dichloroethane (1,1-DCA)	**6.0**		5.0	1.0	5	09/18/20 02:47	
1,1-Dichloroethene (1,1-DCE)	**9.5**		5.0	1.0	5	09/18/20 02:47	
Tetrachloroethene (PCE)	5.0	U	5.0	1.1	5	09/18/20 02:47	
Trichloroethene (TCE)	**600**		5.0	1.0	5	09/18/20 02:47	
Vinyl Chloride	**14**		5.0	1.0	5	09/18/20 02:47	
cis-1,2-Dichloroethene	**1000**	**D**	10	2.3	10	09/21/20 18:59	
trans-1,2-Dichloroethene	**12**		5.0	1.0	5	09/18/20 02:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/18/20 02:47	
Dibromofluoromethane	93	89 - 119	09/18/20 02:47	
Toluene-d8	103	87 - 121	09/18/20 02:47	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 17:50
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-13 09142020	**Units:**	ug/L
Lab Code:	R2008511-011	**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	09/18/20 01:42	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 01:42	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 01:42	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 01:42	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 01:42	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 01:42	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 01:42	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 01:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/18/20 01:42	
Dibromofluoromethane	94	89 - 119	09/18/20 01:42	
Toluene-d8	100	87 - 121	09/18/20 01:42	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 15:00
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-11 09142020	**Units:**	ug/L
Lab Code:	R2008511-002	**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 03:09	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/18/20 03:09	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/18/20 03:09	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/18/20 03:09	
Trichloroethene (TCE)	**5.0 J**	10	2.0	10	09/18/20 03:09	
Vinyl Chloride	10 U	10	2.0	10	09/18/20 03:09	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/18/20 03:09	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/18/20 03:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 03:09	
Dibromofluoromethane	91	89 - 119	09/18/20 03:09	
Toluene-d8	99	87 - 121	09/18/20 03:09	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 16:15
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-16 09142020	**Units:**	ug/L
Lab Code:	R2008511-006	**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)	**6.6**	1.0	0.20	1	09/18/20 02:04	
1,1-Dichloroethane (1,1-DCA)	**21**	1.0	0.20	1	09/18/20 02:04	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 02:04	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 02:04	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 02:04	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 02:04	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 02:04	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 02:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 02:04	
Dibromofluoromethane	94	89 - 119	09/18/20 02:04	
Toluene-d8	99	87 - 121	09/18/20 02:04	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	DUP 09142020	**Units:**	ug/L
Lab Code:	R2008511-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**7.0**	1.0	0.20	1	09/18/20 02:25	
1,1-Dichloroethane (1,1-DCA)	**23**	1.0	0.20	1	09/18/20 02:25	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 02:25	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 02:25	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 02:25	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 02:25	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 02:25	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 02:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 02:25	
Dibromofluoromethane	92	89 - 119	09/18/20 02:25	
Toluene-d8	102	87 - 121	09/18/20 02:25	

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:** R2008511
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 89-119	Toluene-d8 87-121
TB 09142020	R2008511-001	93	89	96
MW-10 09142020	R2008511-003	93	94	100
TMP-A 09142020	R2008511-004	93	93	99
MW-9 09142020	R2008511-005	93	90	99
DMW-3 09142020	R2008511-007	92	90	98
MW-17 09142020	R2008511-008	91	91	99
FB 09142020	R2008511-009	93	94	98
MW-8 09142020	R2008511-010	94	93	103
MW-13 09142020	R2008511-011	94	94	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
MW-17 09142020 MS	RQ2010894-07	96	93	95
MW-17 09142020 DMS	RQ2010894-08	95	95	99

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20
Sample Matrix:	Water	**Date Received:**	09/16/20
		Date Analyzed:	09/18/20
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-17 09142020	**Units:**	ug/L
Lab Code:	R2008511-008	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2010894-07			Duplicate Matrix Spike RQ2010894-08					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	4.7	50.8	50.0	92	53.2	50.0	97	74-127	4	30
1,1-Dichloroethane (1,1-DCA)	38	88.2	50.0	100	91.6	50.0	107	74-132	4	30
1,1-Dichloroethene (1,1-DCE)	0.30 J	53.4	50.0	106	58.4	50.0	116	71-118	9	30
Tetrachloroethene (PCE)	0.61 J	40.9	50.0	81	41.1	50.0	81	72-125	<1	30
Trichloroethene (TCE)	22	58.7	50.0	74	58.0	50.0	73 *	74-122	1	30
Vinyl Chloride	1.0 U	52.4	50.0	105	52.2	50.0	104	74-159	<1	30
cis-1,2-Dichloroethene	23	67.9	50.0	91	65.2	50.0	85	77-127	4	30
trans-1,2-Dichloroethene	1.0 U	48.3	50.0	97	51.3	50.0	103	73-118	6	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:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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
Lab Code: RQ2010894-06
Instrument ID: R-MS-12
File ID: I:\ACQUDATA\msvoa12\Data\091720\P39758.D\

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

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
TB 09142020	R2008511-001	I:\ACQUDATA\msvoa12\Data\091720\P39759.D\	09/17/20 23:09
FB 09142020	R2008511-009	I:\ACQUDATA\msvoa12\Data\091720\P39760.D\	09/17/20 23:31
MW-10 09142020	R2008511-003	I:\ACQUDATA\msvoa12\Data\091720\P39761.D\	09/17/20 23:52
TMP-A 09142020	R2008511-004	I:\ACQUDATA\msvoa12\Data\091720\P39762.D\	09/18/20 00:14
MW-9 09142020	R2008511-005	I:\ACQUDATA\msvoa12\Data\091720\P39763.D\	09/18/20 00:36
DMW-3 09142020	R2008511-007	I:\ACQUDATA\msvoa12\Data\091720\P39764.D\	09/18/20 00:58
MW-17 09142020	R2008511-008	I:\ACQUDATA\msvoa12\Data\091720\P39765.D\	09/18/20 01:20
MW-13 09142020	R2008511-011	I:\ACQUDATA\msvoa12\Data\091720\P39766.D\	09/18/20 01:42
MW-8 09142020	R2008511-010	I:\ACQUDATA\msvoa12\Data\091720\P39769.D\	09/18/20 02:47
MW-17 09142020MS	RQ2010894-07	I:\ACQUDATA\msvoa12\Data\091720\P39780.D\	09/18/20 06:48
MW-17 09142020DMS	RQ2010894-08	I:\ACQUDATA\msvoa12\Data\091720\P39781.D\	09/18/20 07:10

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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
MW-8 09142020	R2008511-010	I:\ACQUDATA\msvoa12\Data\092120\P39879.D\	09/21/20 18:59

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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
TB 09142020	R2008511-001	I:\ACQUDATA\msvoa12\Data\091720\P39759.D\	09/17/20 23:09
FB 09142020	R2008511-009	I:\ACQUDATA\msvoa12\Data\091720\P39760.D\	09/17/20 23:31
MW-10 09142020	R2008511-003	I:\ACQUDATA\msvoa12\Data\091720\P39761.D\	09/17/20 23:52
TMP-A 09142020	R2008511-004	I:\ACQUDATA\msvoa12\Data\091720\P39762.D\	09/18/20 00:14
MW-9 09142020	R2008511-005	I:\ACQUDATA\msvoa12\Data\091720\P39763.D\	09/18/20 00:36
DMW-3 09142020	R2008511-007	I:\ACQUDATA\msvoa12\Data\091720\P39764.D\	09/18/20 00:58
MW-17 09142020	R2008511-008	I:\ACQUDATA\msvoa12\Data\091720\P39765.D\	09/18/20 01:20
MW-13 09142020	R2008511-011	I:\ACQUDATA\msvoa12\Data\091720\P39766.D\	09/18/20 01:42
MW-8 09142020	R2008511-010	I:\ACQUDATA\msvoa12\Data\091720\P39769.D\	09/18/20 02:47
MW-17 09142020MS	RQ2010894-07	I:\ACQUDATA\msvoa12\Data\091720\P39780.D\	09/18/20 06:48
MW-17 09142020DMS	RQ2010894-08	I:\ACQUDATA\msvoa12\Data\091720\P39781.D\	09/18/20 07:10

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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
MW-8 09142020	R2008511-010	I:\ACQUDATA\msvoa12\Data\092120\P39879.D\	09/21/20 18:59

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

Service Request: R2008511
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 - Binghamton/5101.0003
Sample Matrix: Water

Service Request: R2008511
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:**R2008511
Project: Dover - Binghamton/5101.0003 **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	
TB 09142020	R2008511-001	I:\ACQUDATA\msvoa12\Data\091720\P39759.D\	09/17/20 23:09	
FB 09142020	R2008511-009	I:\ACQUDATA\msvoa12\Data\091720\P39760.D\	09/17/20 23:31	
MW-10 09142020	R2008511-003	I:\ACQUDATA\msvoa12\Data\091720\P39761.D\	09/17/20 23:52	
TMP-A 09142020	R2008511-004	I:\ACQUDATA\msvoa12\Data\091720\P39762.D\	09/18/20 00:14	
MW-9 09142020	R2008511-005	I:\ACQUDATA\msvoa12\Data\091720\P39763.D\	09/18/20 00:36	
DMW-3 09142020	R2008511-007	I:\ACQUDATA\msvoa12\Data\091720\P39764.D\	09/18/20 00:58	
MW-17 09142020	R2008511-008	I:\ACQUDATA\msvoa12\Data\091720\P39765.D\	09/18/20 01:20	
MW-13 09142020	R2008511-011	I:\ACQUDATA\msvoa12\Data\091720\P39766.D\	09/18/20 01:42	
MW-8 09142020	R2008511-010	I:\ACQUDATA\msvoa12\Data\091720\P39769.D\	09/18/20 02:47	
MW-17 09142020	RQ2010894-07	I:\ACQUDATA\msvoa12\Data\091720\P39780.D\	09/18/20 06:48	
MW-17 09142020	RQ2010894-08	I:\ACQUDATA\msvoa12\Data\091720\P39781.D\	09/18/20 07:10	

Client: Verina Consulting Group, LLC **Service Request:**R2008511
Project: Dover - Binghamton/5101.0003 **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	
MW-8 09142020	R2008511-010	I:\ACQUDATA\msvoa12\Data\092120\P39879.D\	09/21/20 18:59	

Client: Verina Consulting Group, LLC **Service Request:**R2008511
Project: Dover - Binghamton/5101.0003 **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
TB 09142020	R2008511-001	209665	11.83	481202	6.52	425815	9.80
FB 09142020	R2008511-009	213592	11.83	479726	6.52	441148	9.80
MW-10 09142020	R2008511-003	203502	11.83	464795	6.53	422448	9.80
TMP-A 09142020	R2008511-004	201444	11.83	467035	6.52	417407	9.80
MW-9 09142020	R2008511-005	214747	11.83	482838	6.52	433790	9.80
DMW-3 09142020	R2008511-007	202051	11.83	468921	6.52	415815	9.80
MW-17 09142020	R2008511-008	214580	11.83	486655	6.52	434382	9.80
MW-13 09142020	R2008511-011	207860	11.83	465361	6.52	420849	9.80
MW-8 09142020	R2008511-010	203175	11.83	458039	6.52	417031	9.80
MW-17 09142020MS	RQ2010894-07	237380	11.83	486940	6.52	443347	9.80
MW-17 09142020DMS	RQ2010894-08	230887	11.83	494772	6.52	455516	9.80

Client: Verina Consulting Group, LLC **Service Request:**R2008511
Project: Dover - Binghamton/5101.0003 **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
TB 09142020	R2008511-001	284583	5.44
FB 09142020	R2008511-009	285943	5.44
MW-10 09142020	R2008511-003	280860	5.46
TMP-A 09142020	R2008511-004	274976	5.45
MW-9 09142020	R2008511-005	287577	5.44
DMW-3 09142020	R2008511-007	273188	5.45
MW-17 09142020	R2008511-008	283675	5.44
MW-13 09142020	R2008511-011	283596	5.44
MW-8 09142020	R2008511-010	274887	5.45
MW-17 09142020MS	RQ2010894-07	293753	5.45
MW-17 09142020DMS	RQ2010894-08	304873	5.45

Client: Verina Consulting Group, LLC **Service Request:**R2008511
Project: Dover - Binghamton/5101.0003 **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
MW-8 09142020	R2008511-010	223428	11.83	491394	6.52	439399	9.80

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton/5101.0003 **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
MW-8 09142020	R2008511-010	297612	5.45

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton/5101.0003
Sample Matrix: Water

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

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 89-119	Toluene-d8 87-121
MW-11 09142020	R2008511-002	93	91	99
MW-16 09142020	R2008511-006	93	94	99
DUP 09142020	R2008511-012	93	92	102
Method Blank	RQ2010894-05	93	93	98
Lab Control Sample	RQ2010894-04	94	92	96

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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
MW-16 09142020	R2008511-006	I:\ACQUDATA\msvoa12\Data\091720\P39767.D\	09/18/20 02:04
DUP 09142020	R2008511-012	I:\ACQUDATA\msvoa12\Data\091720\P39768.D\	09/18/20 02:25
MW-11 09142020	R2008511-002	I:\ACQUDATA\msvoa12\Data\091720\P39770.D\	09/18/20 03:09

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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:**	R2008511
Project:	Dover - Binghamton/5101.0003	**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	**Instrument ID:**	R-MS-12
Lab Code:	RQ2010894-04	**File ID:**	I:\ACQUDATA\msvoa12\Data\091720\P39755.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	RQ2010894-05	I:\ACQUDATA\msvoa12\Data\091720\P39757.D\	09/17/20 22:25
MW-16 09142020	R2008511-006	I:\ACQUDATA\msvoa12\Data\091720\P39767.D\	09/18/20 02:04
DUP 09142020	R2008511-012	I:\ACQUDATA\msvoa12\Data\091720\P39768.D\	09/18/20 02:25
MW-11 09142020	R2008511-002	I:\ACQUDATA\msvoa12\Data\091720\P39770.D\	09/18/20 03:09

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

Service Request: R2008511
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:**R2008511
Project: Dover - Binghamton/5101.0003 **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	
MW-16 09142020	R2008511-006	I:\ACQUDATA\msvoa12\Data\091720\P39767.D\	09/18/20 02:04	
DUP 09142020	R2008511-012	I:\ACQUDATA\msvoa12\Data\091720\P39768.D\	09/18/20 02:25	
MW-11 09142020	R2008511-002	I:\ACQUDATA\msvoa12\Data\091720\P39770.D\	09/18/20 03:09	

Client: Verina Consulting Group, LLC **Service Request:**R2008511
Project: Dover - Binghamton/5101.0003 **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
MW-16 09142020	R2008511-006	205802	11.83	473428	6.52	430204	9.80
DUP 09142020	R2008511-012	202321	11.84	466400	6.53	412677	9.80
MW-11 09142020	R2008511-002	213282	11.83	474956	6.52	429740	9.80

Client: Verina Consulting Group, LLC **Service Request:**R2008511
Project: Dover - Binghamton/5101.0003 **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
MW-16 09142020	R2008511-006	280071	5.44
DUP 09142020	R2008511-012	278717	5.46
MW-11 09142020	R2008511-002	287296	5.45

Raw Data

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

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Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	TB 09142020	**Units:**	ug/L
Lab Code:	R2008511-001	**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	09/17/20 23:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/17/20 23:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/17/20 23:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/20 23:09	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/17/20 23:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/20 23:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/17/20 23:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/17/20 23:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/17/20 23:09	
Dibromofluoromethane	89	89 - 119	09/17/20 23:09	
Toluene-d8	96	87 - 121	09/17/20 23:09	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 15:10
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-10 09142020	**Units:**	ug/L
Lab Code:	R2008511-003	**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)	**2.3**		1.0	0.20	1	09/17/20 23:52	
1,1-Dichloroethane (1,1-DCA)	**0.83**	**J**	1.0	0.20	1	09/17/20 23:52	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/17/20 23:52	
Tetrachloroethene (PCE)	**1.0**		1.0	0.21	1	09/17/20 23:52	
Trichloroethene (TCE)	**15**		1.0	0.20	1	09/17/20 23:52	
Vinyl Chloride	**0.26**	**J**	1.0	0.20	1	09/17/20 23:52	
cis-1,2-Dichloroethene	**3.6**		1.0	0.23	1	09/17/20 23:52	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/17/20 23:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/17/20 23:52	
Dibromofluoromethane	94	89 - 119	09/17/20 23:52	
Toluene-d8	100	87 - 121	09/17/20 23:52	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 15:20
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	TMP-A 09142020	**Units:**	ug/L
Lab Code:	R2008511-004	**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 00:14	
1,1-Dichloroethane (1,1-DCA)	**0.76 J**	1.0	0.20	1	09/18/20 00:14	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 00:14	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 00:14	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 00:14	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 00:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 00:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 00:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 00:14	
Dibromofluoromethane	93	89 - 119	09/18/20 00:14	
Toluene-d8	99	87 - 121	09/18/20 00:14	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 16:00
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-9 09142020	**Units:**	ug/L
Lab Code:	R2008511-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**0.70**	**J**	1.0	0.20	1	09/18/20 00:36	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	0.20	1	09/18/20 00:36	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	0.20	1	09/18/20 00:36	
Tetrachloroethene (PCE)	1.0	U	1.0	0.21	1	09/18/20 00:36	
Trichloroethene (TCE)	**18**		1.0	0.20	1	09/18/20 00:36	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/18/20 00:36	
cis-1,2-Dichloroethene	**0.36**	**J**	1.0	0.23	1	09/18/20 00:36	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/18/20 00:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 00:36	
Dibromofluoromethane	90	89 - 119	09/18/20 00:36	
Toluene-d8	99	87 - 121	09/18/20 00:36	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 16:30
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	DMW-3 09142020	**Units:**	ug/L
Lab Code:	R2008511-007	**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	09/18/20 00:58	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 00:58	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 00:58	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 00:58	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 00:58	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 00:58	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 00:58	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 00:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	09/18/20 00:58	
Dibromofluoromethane	90	89 - 119	09/18/20 00:58	
Toluene-d8	98	87 - 121	09/18/20 00:58	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 17:00
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-17 09142020	**Units:**	ug/L
Lab Code:	R2008511-008	**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)	**4.7**		1.0	0.20	1	09/18/20 01:20	
1,1-Dichloroethane (1,1-DCA)	**38**		1.0	0.20	1	09/18/20 01:20	
1,1-Dichloroethene (1,1-DCE)	**0.30**	**J**	1.0	0.20	1	09/18/20 01:20	
Tetrachloroethene (PCE)	**0.61**	**J**	1.0	0.21	1	09/18/20 01:20	
Trichloroethene (TCE)	**22**		1.0	0.20	1	09/18/20 01:20	
Vinyl Chloride	1.0	U	1.0	0.20	1	09/18/20 01:20	
cis-1,2-Dichloroethene	**23**		1.0	0.23	1	09/18/20 01:20	
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	1	09/18/20 01:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	09/18/20 01:20	
Dibromofluoromethane	91	89 - 119	09/18/20 01:20	
Toluene-d8	99	87 - 121	09/18/20 01:20	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 17:30
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	FB 09142020	**Units:**	ug/L
Lab Code:	R2008511-009	**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	09/17/20 23:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/17/20 23:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/17/20 23:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/17/20 23:31	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/17/20 23:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/17/20 23:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/17/20 23:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/17/20 23:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/17/20 23:31	
Dibromofluoromethane	94	89 - 119	09/17/20 23:31	
Toluene-d8	98	87 - 121	09/17/20 23:31	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 17:45
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-8 09142020	**Units:**	ug/L
Lab Code:	R2008511-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**3.0**	**J**	5.0	1.0	5	09/18/20 02:47	
1,1-Dichloroethane (1,1-DCA)	**6.0**		5.0	1.0	5	09/18/20 02:47	
1,1-Dichloroethene (1,1-DCE)	**9.5**		5.0	1.0	5	09/18/20 02:47	
Tetrachloroethene (PCE)	5.0	U	5.0	1.1	5	09/18/20 02:47	
Trichloroethene (TCE)	**600**		5.0	1.0	5	09/18/20 02:47	
Vinyl Chloride	**14**		5.0	1.0	5	09/18/20 02:47	
cis-1,2-Dichloroethene	**1000**	**D**	10	2.3	10	09/21/20 18:59	
trans-1,2-Dichloroethene	**12**		5.0	1.0	5	09/18/20 02:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/18/20 02:47	
Dibromofluoromethane	93	89 - 119	09/18/20 02:47	
Toluene-d8	103	87 - 121	09/18/20 02:47	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 17:50
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-13 09142020	**Units:**	ug/L
Lab Code:	R2008511-011	**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	09/18/20 01:42	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	09/18/20 01:42	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 01:42	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 01:42	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 01:42	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 01:42	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 01:42	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 01:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	09/18/20 01:42	
Dibromofluoromethane	94	89 - 119	09/18/20 01:42	
Toluene-d8	100	87 - 121	09/18/20 01:42	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39759.D
Acq On : 17 Sep 2020 11:09 pm
Operator : K.Ruest
Sample : R2008511-001|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 22 12:58:40 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

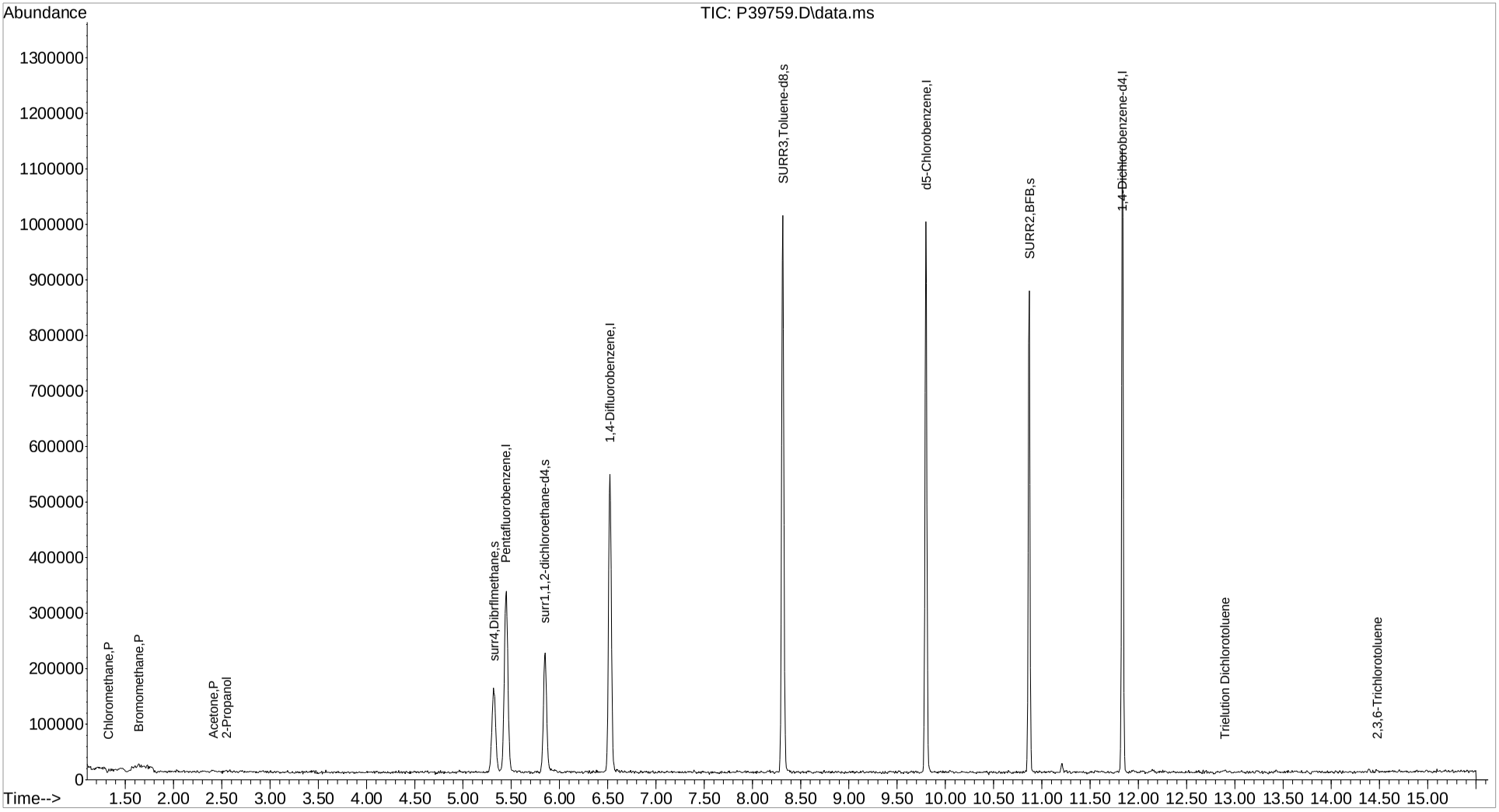
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	284583	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	481202	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	425815	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	209665	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	126066	44.63	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 89.26%				
48) surr1,1,2-dichloroetha...	5.846	65	184130	48.83	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.66%				
65) SURR3,Toluene-d8	8.316	98	618470	48.18	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.36%				
70) SURR2,BFB	10.870	95	231333	46.46	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.92%				
Target Compounds							Qvalue
3) Chloromethane	1.323	50	1984	0.51	ppb		88
5) Bromomethane	1.640	94	2457	0.32	ppb		80
15) Acetone	2.408	43	2299	1.68	ppb		87
16) 2-Propanol	2.548	45	3858	11.33	ppb	#	1
112) Trielution Dichlorotol...	12.894	125	2245	0.35	ppb	#	82
120) 2,3,6-Trichlorotoluene	14.479	159	862	0.24	ppb	#	61

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

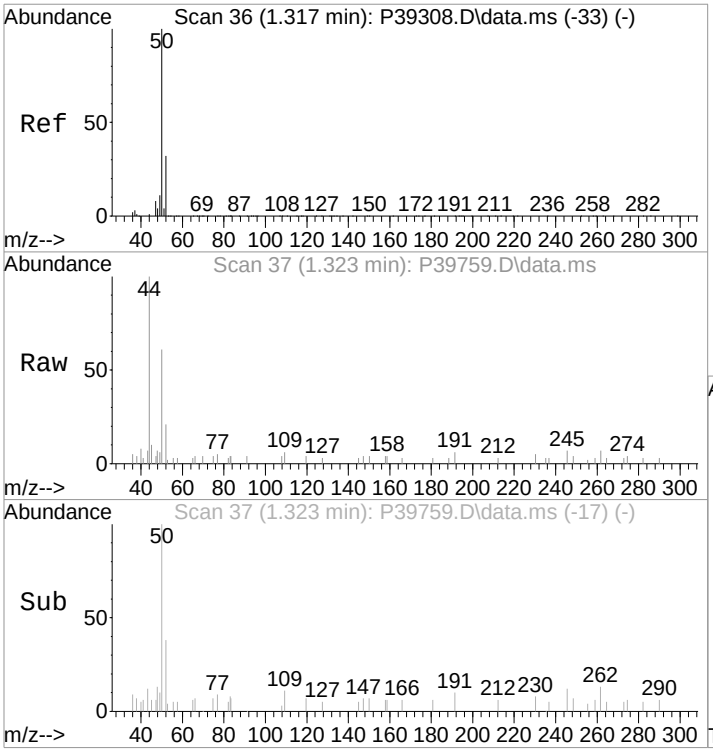
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39759.D
Acq On : 17 Sep 2020 11:09 pm
Operator : K.Ruest
Sample : R2008511-001|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 22 12:58:40 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



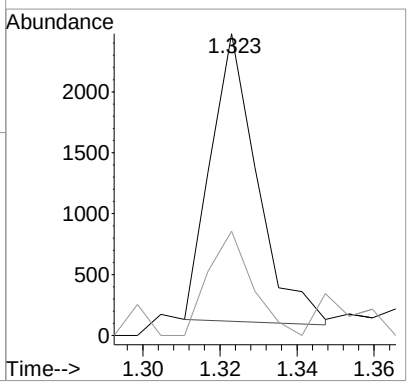
1st 09/22/20
2nd 09/22/20

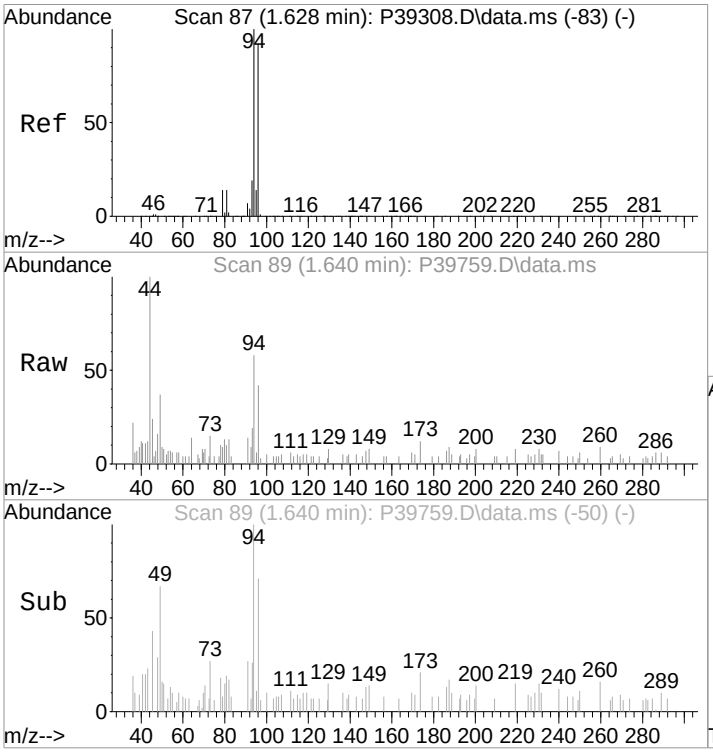


#3
Chloromethane
Concen: 0.51 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39759.D
Acq: 17 Sep 2020 11:09 pm

Tgt Ion: 50 Resp: 1984

Ion	Ratio	Lower	Upper
50	100		
52	38.6	12.1	52.1

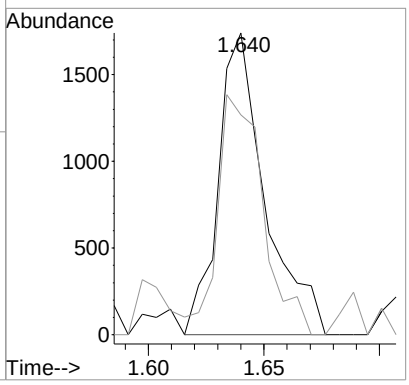


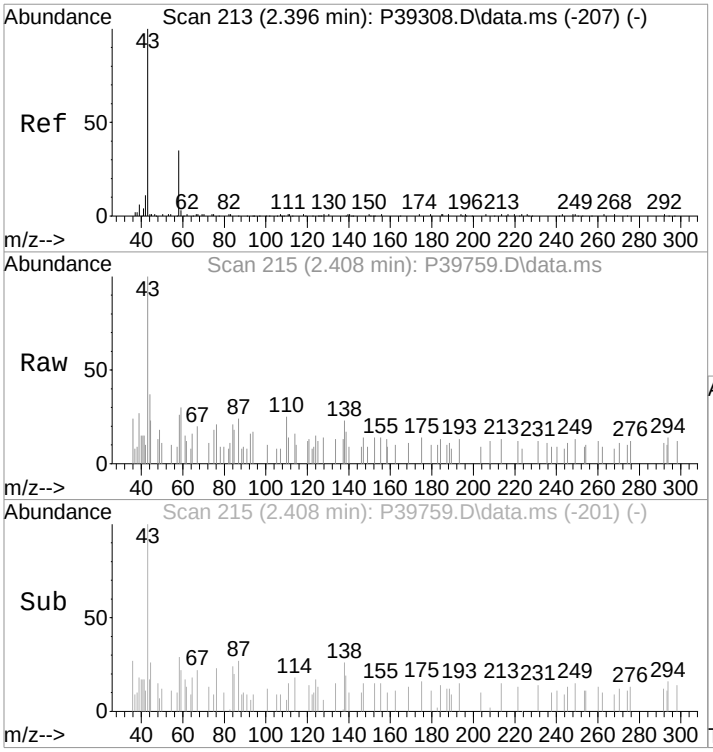


#5
Bromomethane
Concen: 0.32 ppb
RT: 1.640 min Scan# 89
Delta R.T. 0.013 min
Lab File: P39759.D
Acq: 17 Sep 2020 11:09 pm

Tgt Ion: 94 Resp: 2457

Ion	Ratio	Lower	Upper
94	100		
96	72.8	71.6	111.6

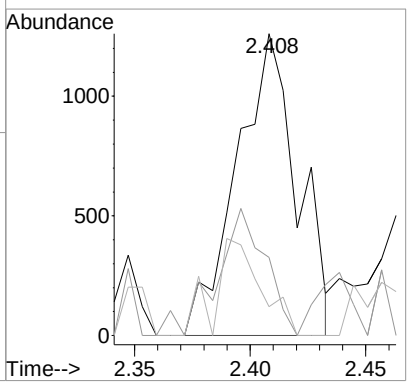


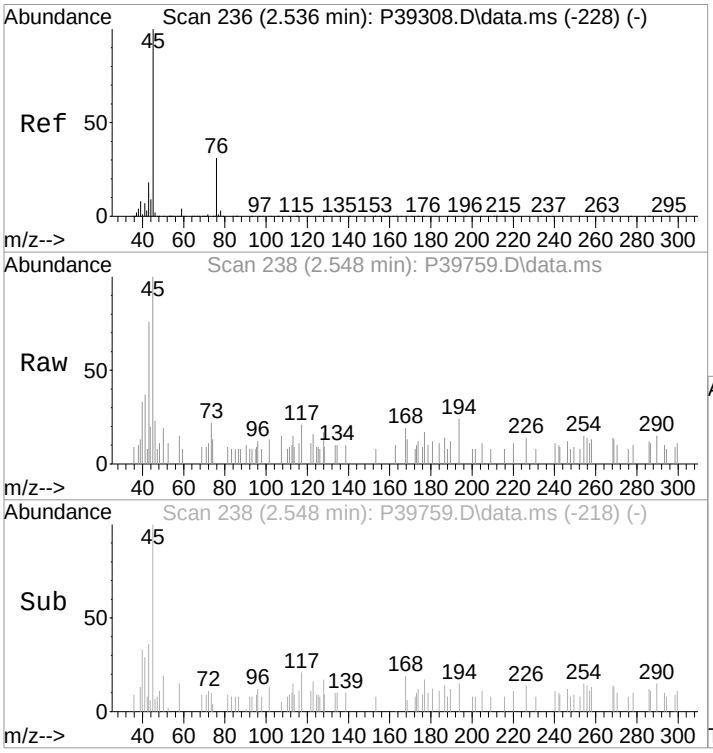


#15
Acetone
Concen: 1.68 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.012 min
Lab File: P39759.D
Acq: 17 Sep 2020 11:09 pm

Tgt Ion: 43 Resp: 2299

Ion	Ratio	Lower	Upper
43	100		
58	25.8	14.8	54.8
42	9.6	0.0	31.4

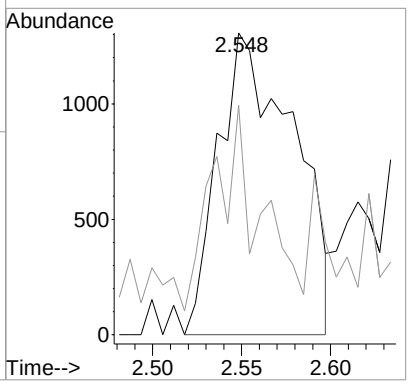


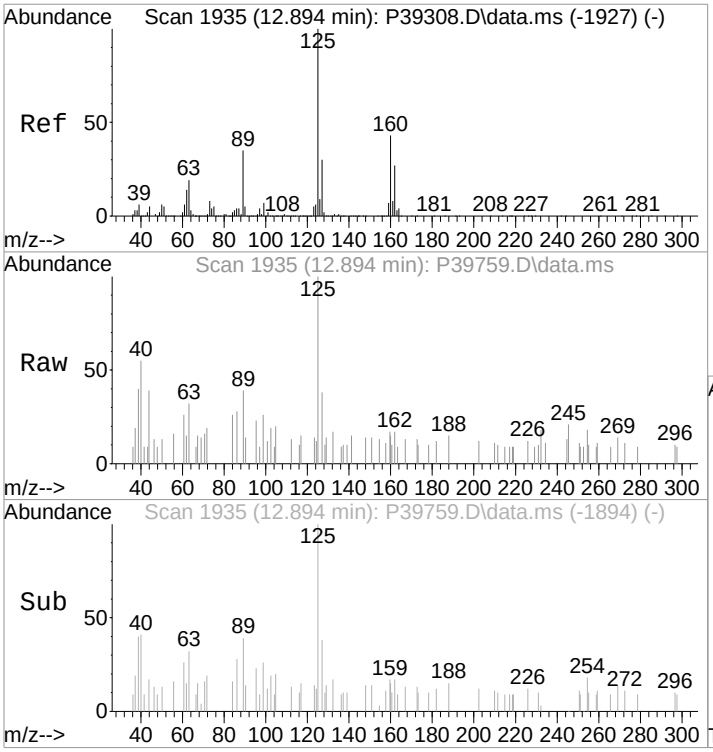


#16
2-Propanol
Concen: 11.33 ppb
RT: 2.548 min Scan# 238
Delta R.T. 0.012 min
Lab File: P39759.D
Acq: 17 Sep 2020 11:09 pm

Tgt Ion: 45 Resp: 3858

Ion	Ratio	Lower	Upper
45	100		
43	96.3	3.1	43.1#

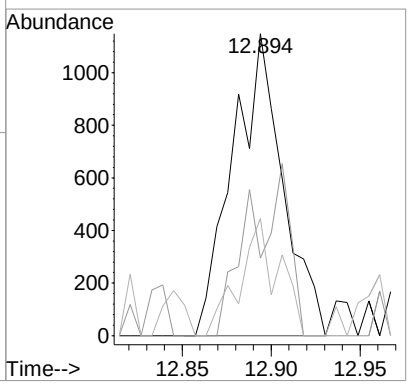


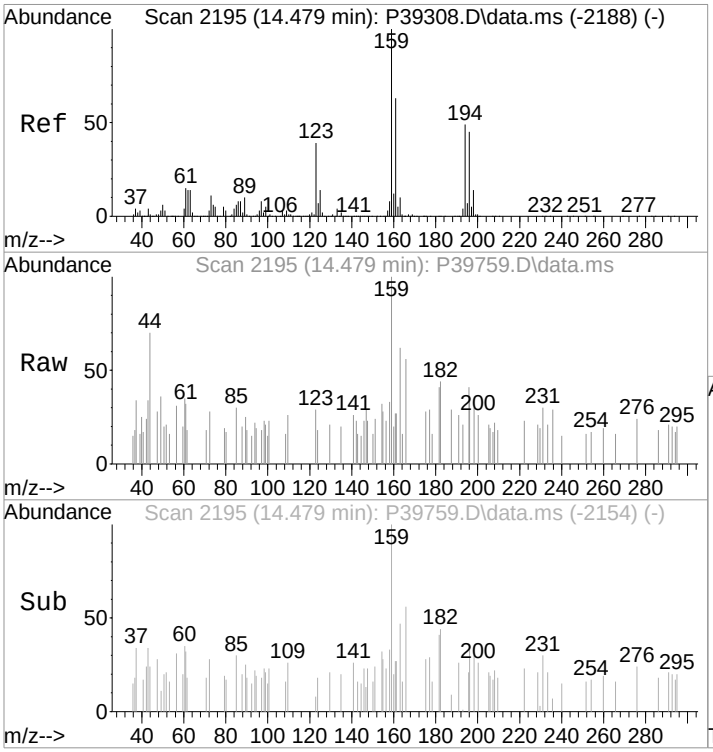


#112
Trielution Dichlorotoluene
Concen: 0.35 ppb
RT: 12.894 min Scan# 1935
Delta R.T. -0.000 min
Lab File: P39759.D
Acq: 17 Sep 2020 11:09 pm

Tgt Ion:125 Resp: 2245

Ion	Ratio	Lower	Upper
125	100		
160	25.7	34.2	51.2#
89	38.8	28.1	42.1

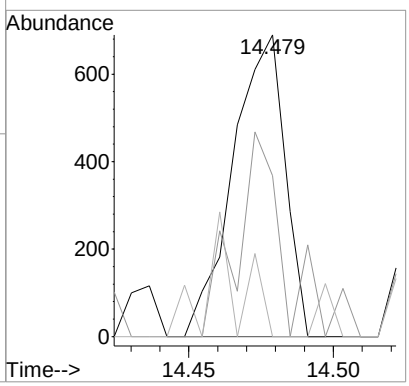




#120
2,3,6-Trichlorotoluene
Concen: 0.24 ppb
RT: 14.479 min Scan# 2195
Delta R.T. -0.000 min
Lab File: P39759.D
Acq: 17 Sep 2020 11:09 pm

Tgt Ion:159 Resp: 862

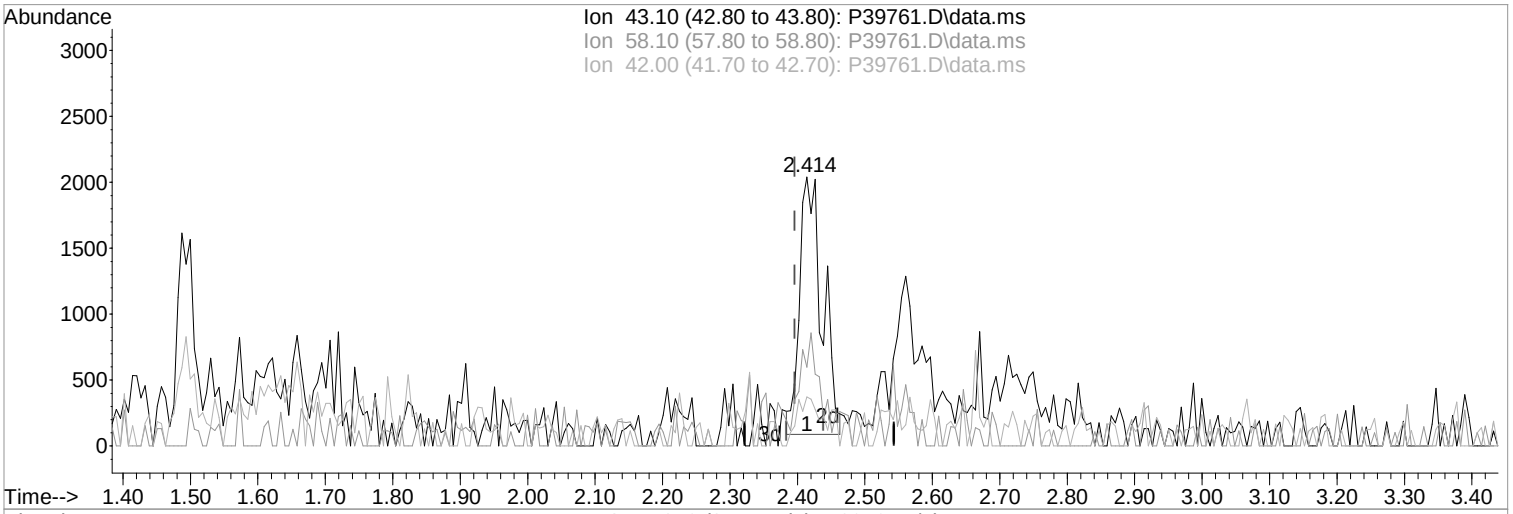
Ion	Ratio	Lower	Upper
159	100		
161	53.3	50.6	75.8
194	0.0	39.4	59.2#

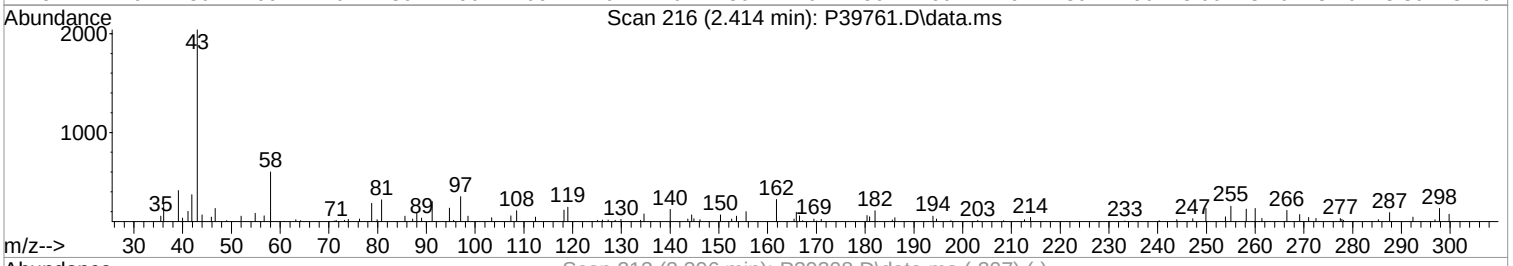


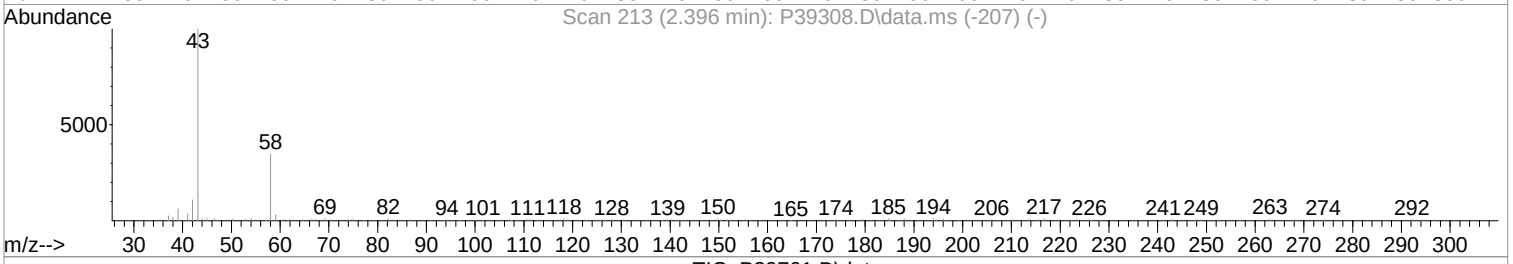
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39761.D
Acq On : 17 Sep 2020 11:52 pm
Operator : K.Ruest
Sample : R2008511-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 18 10:42:33 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: P39761.D\data.ms

(15) Acetone (P)

2.414min (+0.018) 3.35 ppb m

response 4526

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	29.36
42.00	11.40	18.24
0.00	0.00	0.00

Manual Integration:

After

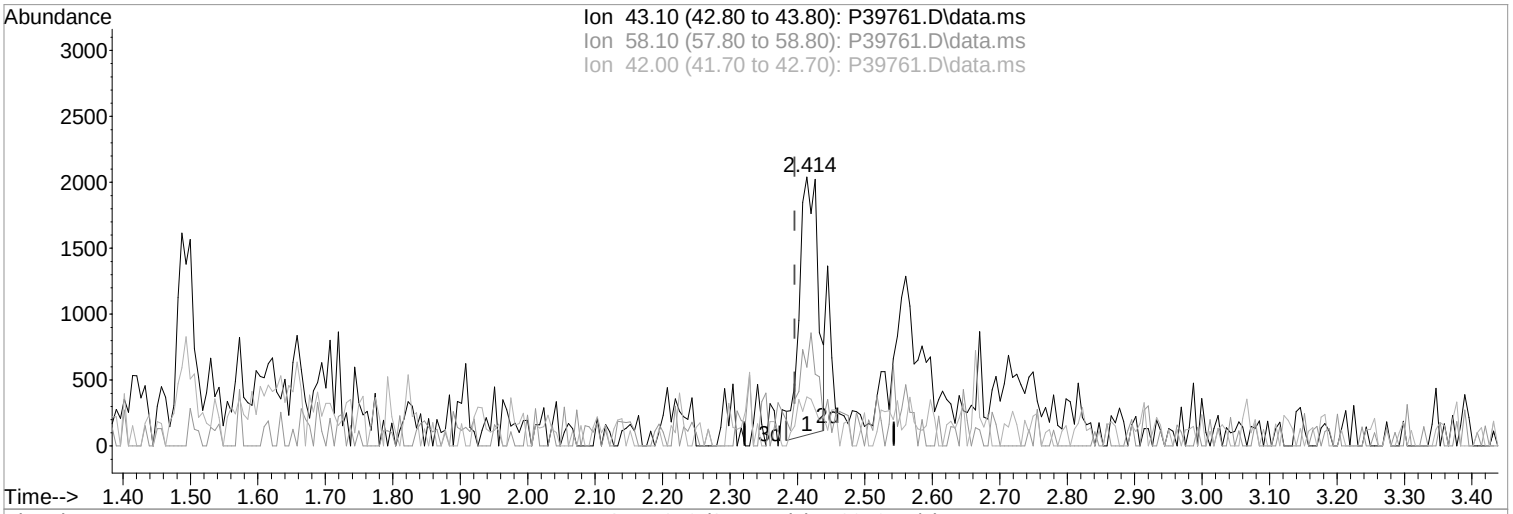
Poor integration.

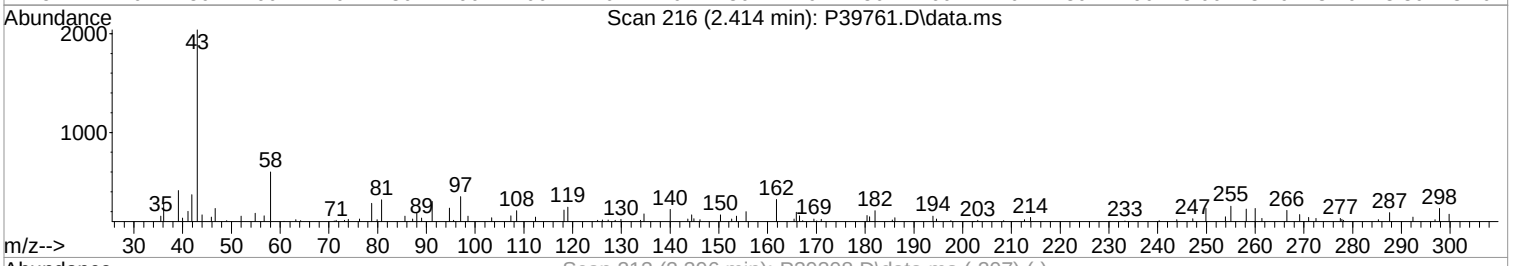
09/22/20

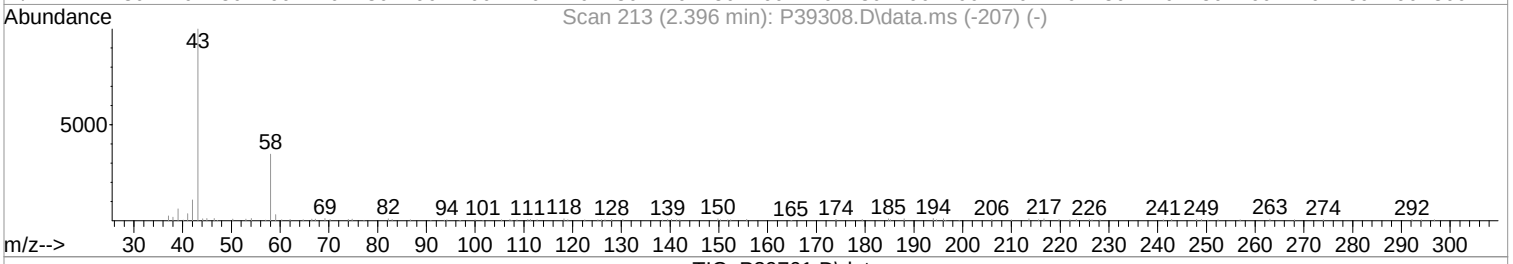
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39761.D
Acq On : 17 Sep 2020 11:52 pm
Operator : K.Ruest
Sample : R2008511-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 18 10:42:33 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: P39761.D\data.ms

(15) Acetone (P)

2.414min (+0.018) 2.78 ppb

response 3753

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	29.36
42.00	11.40	18.24
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 : P39761.D
Acq On : 17 Sep 2020 11:52 pm
Operator : K.Ruest
Sample : R2008511-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 22 13:52:19 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

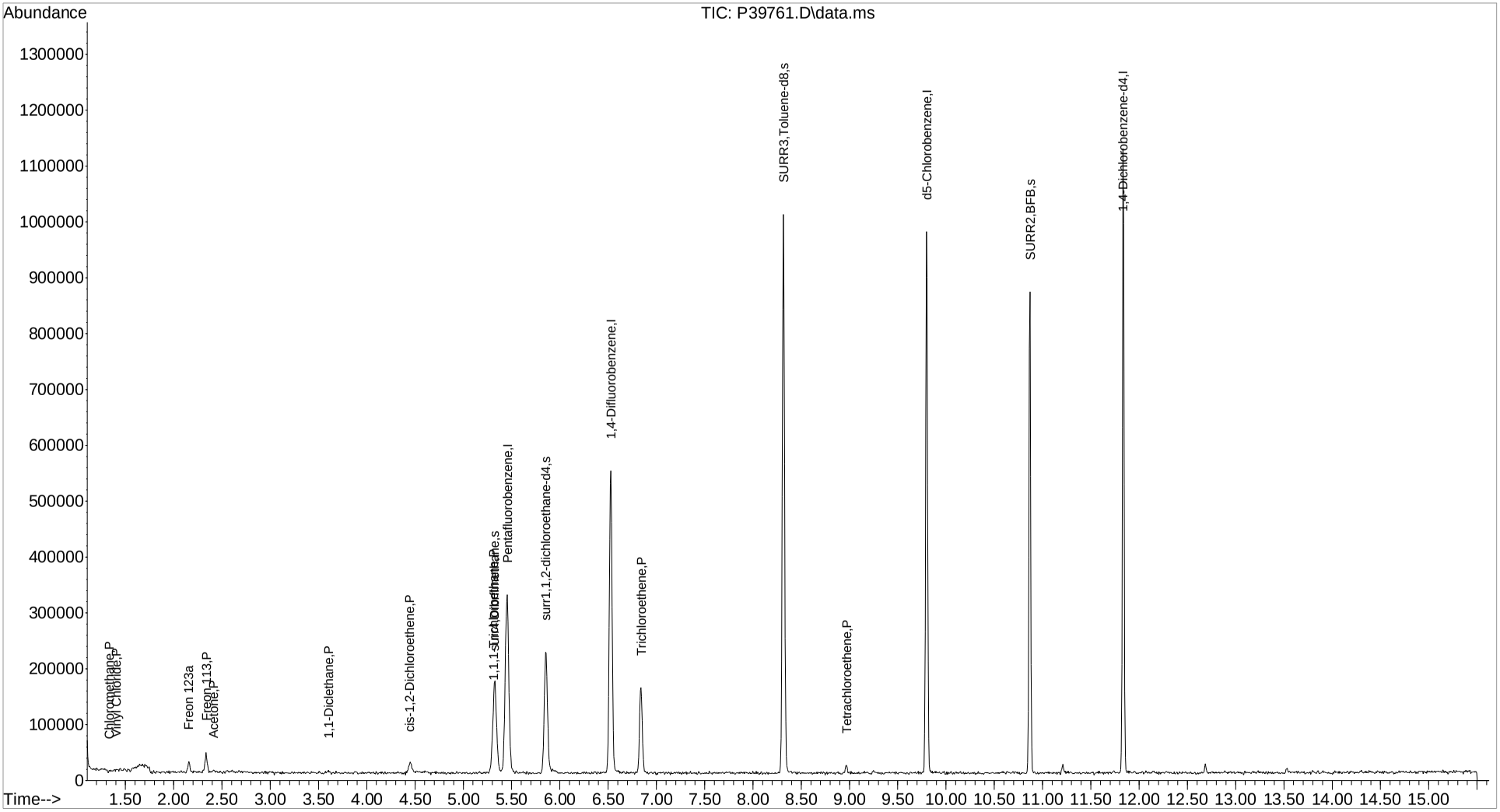
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.456	168	280860	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.529	114	464795	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	422448	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	203502	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	128296	47.02	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 94.04%				
48) surr1,1,2-dichloroetha...	5.852	65	187645	51.52	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.04%				
65) SURR3,Toluene-d8	8.315	98	618271	49.86	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.72%				
70) SURR2,BFB	10.870	95	224820	46.74	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.48%				
Target Compounds							Qvalue
3) Chloromethane	1.329	50	1572	0.41	ppb		99
4) Vinyl Chloride	1.402	62	1226	0.26	ppb		93
10) Freon 123a	2.158	67	7812	2.58	ppb		97
14) Freon 113	2.335	101	11153	4.78	ppb		88
15) Acetone	2.414	43	4526m	3.35	ppb		
28) 1,1-Diclethane	3.603	63	3808	0.83	ppb		87
34) cis-1,2-Dichloroethene	4.444	96	10483	3.61	ppb		86
41) 1,1,1-Trichloroethane	5.310	97	10140	2.33	ppb		80
54) Trichloroethene	6.840	130	53422	15.40	ppb		92
72) Tetrachloroethene	8.968	164	2700	1.04	ppb	#	75

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

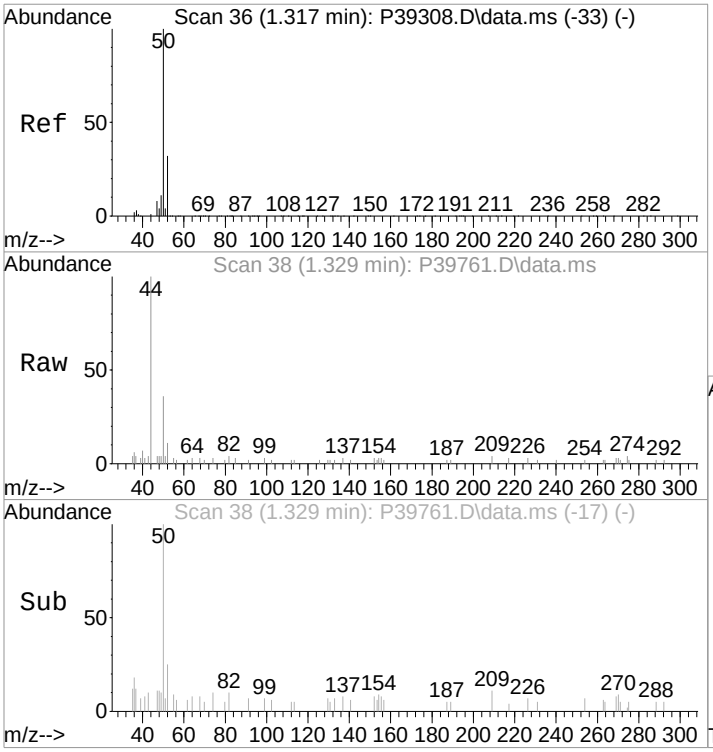
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39761.D
Acq On : 17 Sep 2020 11:52 pm
Operator : K.Ruest
Sample : R2008511-003|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 22 13:52:19 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



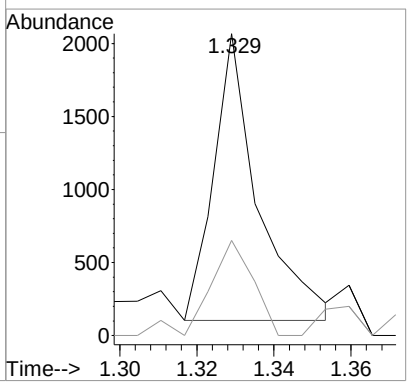
1st 09/22/20
2nd 09/22/20

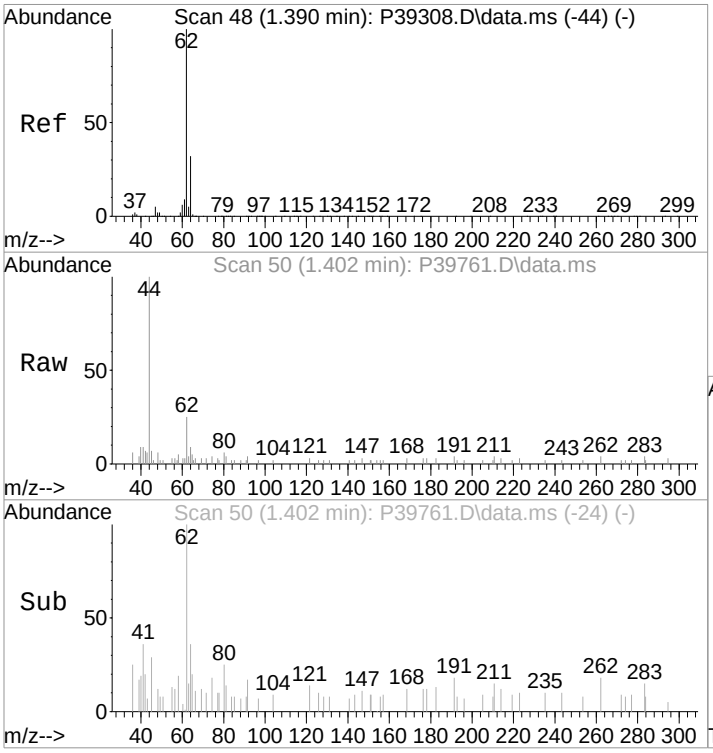


#3
Chloromethane
Concen: 0.41 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion: 50 Resp: 1572

Ion	Ratio	Lower	Upper
50	100		
52	31.5	12.1	52.1

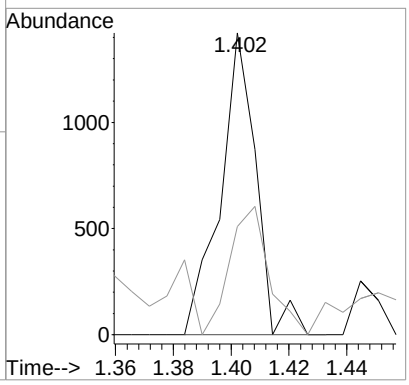


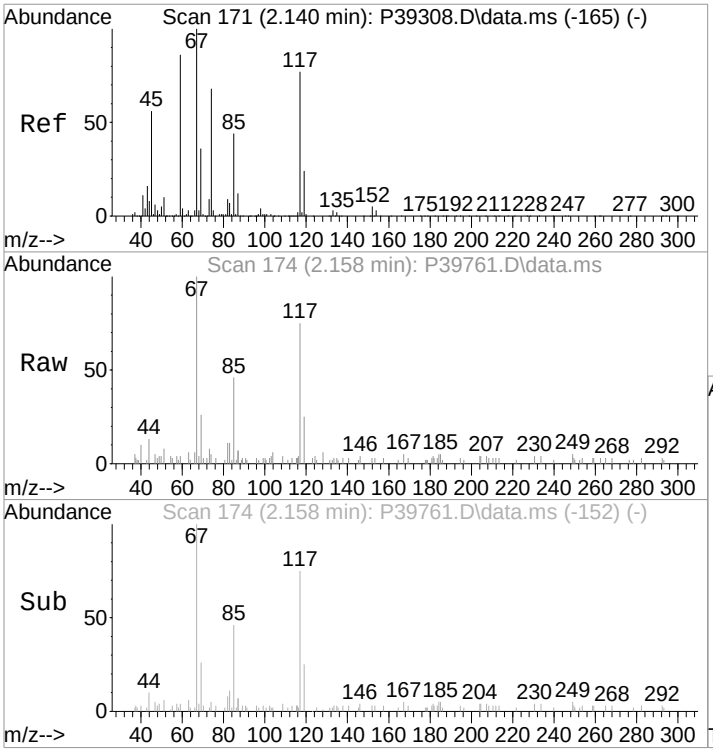


#4
Vinyl Chloride
Concen: 0.26 ppb
RT: 1.402 min Scan# 50
Delta R.T. 0.012 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion: 62 Resp: 1226

Ion	Ratio	Lower	Upper
62	100		
64	35.9	12.1	52.1

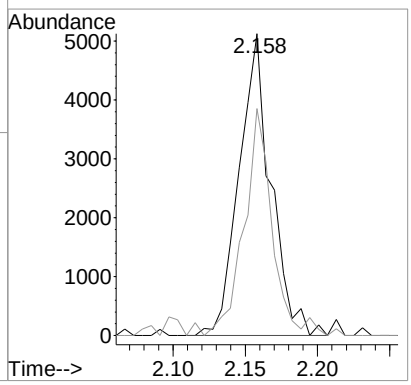


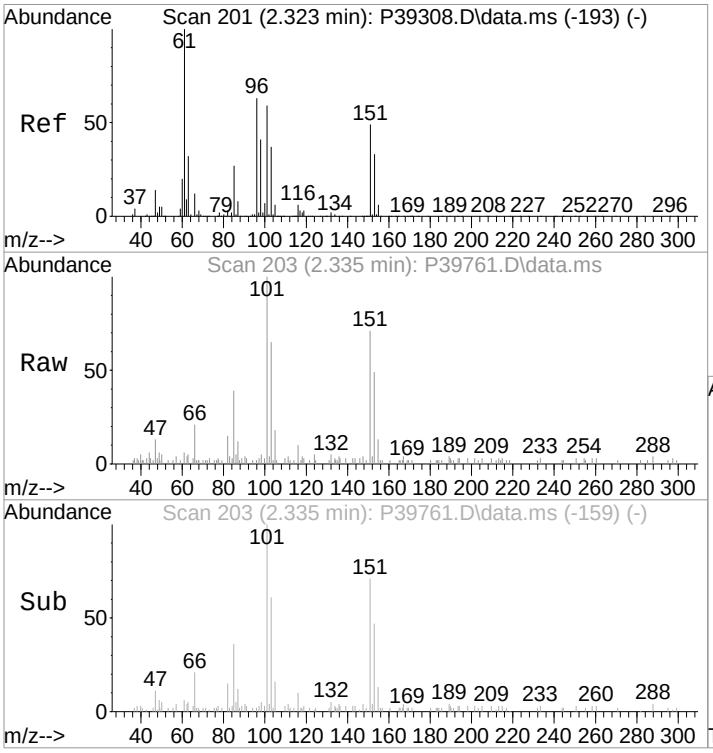


#10
Freon 123a
Concen: 2.58 ppb
RT: 2.158 min Scan# 174
Delta R.T. 0.018 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion: 67 Resp: 7812

Ion	Ratio	Lower	Upper
67	100		
117	75.1	57.5	97.5

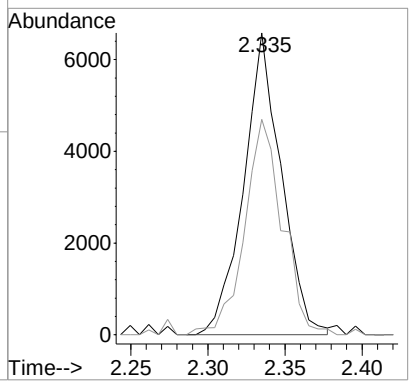


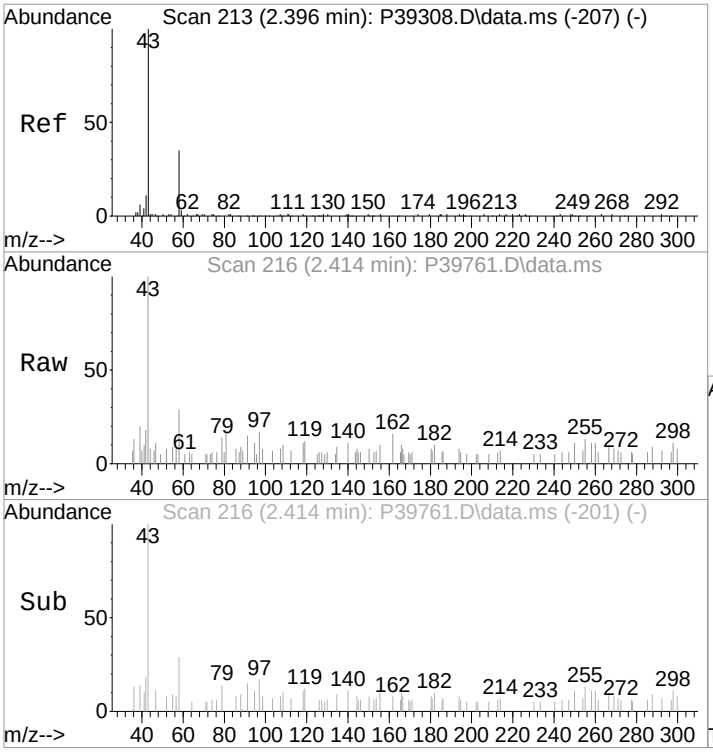


#14
Freon 113
Concen: 4.78 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion:101 Resp: 11153

Ion	Ratio	Lower	Upper
101	100		
151	71.4	62.1	102.1

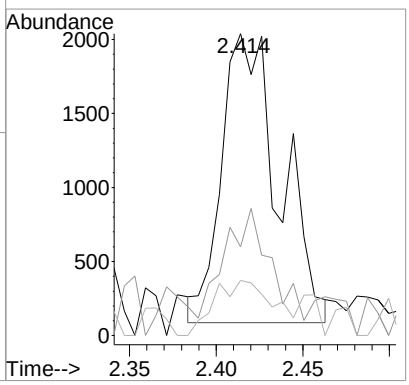


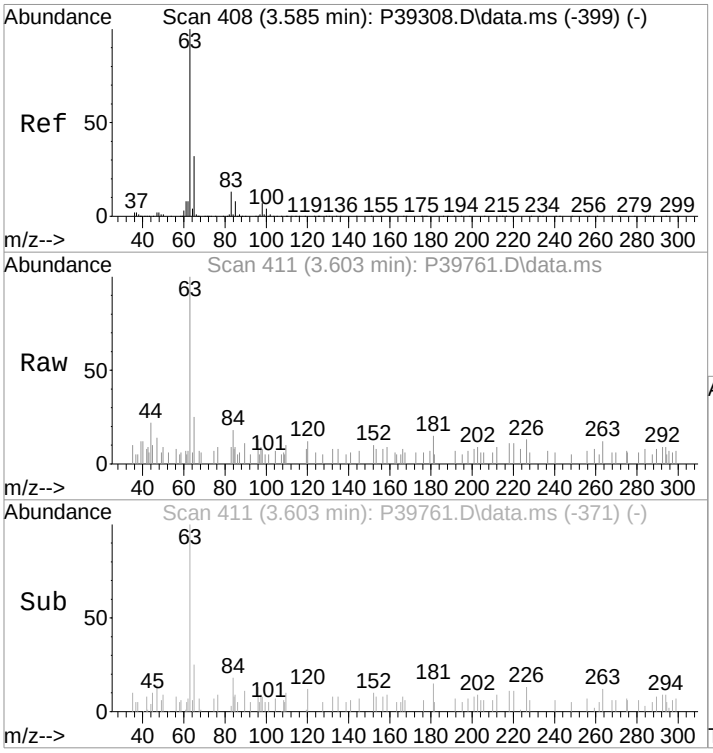


#15
Acetone
Concen: 3.35 ppb m
RT: 2.414 min Scan# 216
Delta R.T. 0.018 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion: 43 Resp: 4526

Ion	Ratio	Lower	Upper
43	100		
58	29.4	14.8	54.8
42	18.2	0.0	31.4

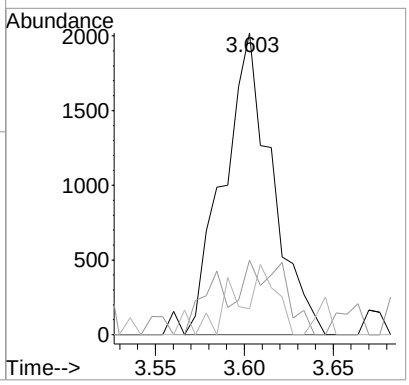


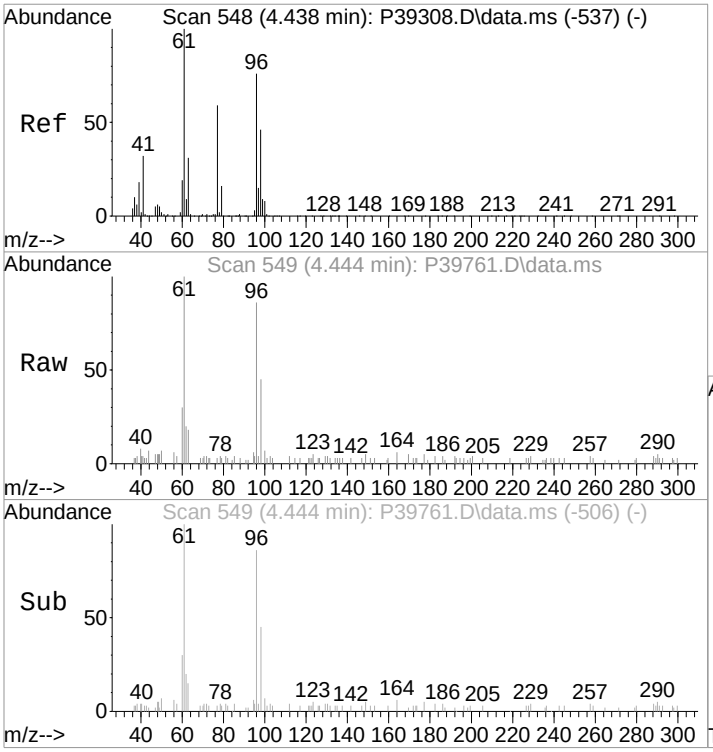


#28
1,1-Diclethane
Concen: 0.83 ppb
RT: 3.603 min Scan# 411
Delta R.T. 0.018 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion: 63 Resp: 3808

Ion	Ratio	Lower	Upper
63	100		
65	24.7	12.4	52.4
83	8.6	0.0	32.6

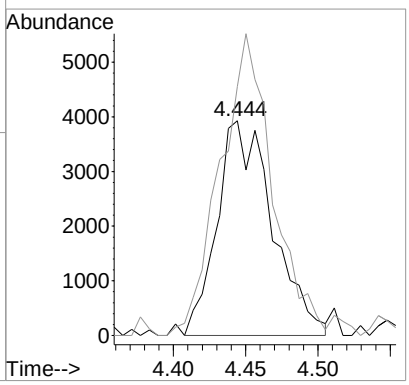


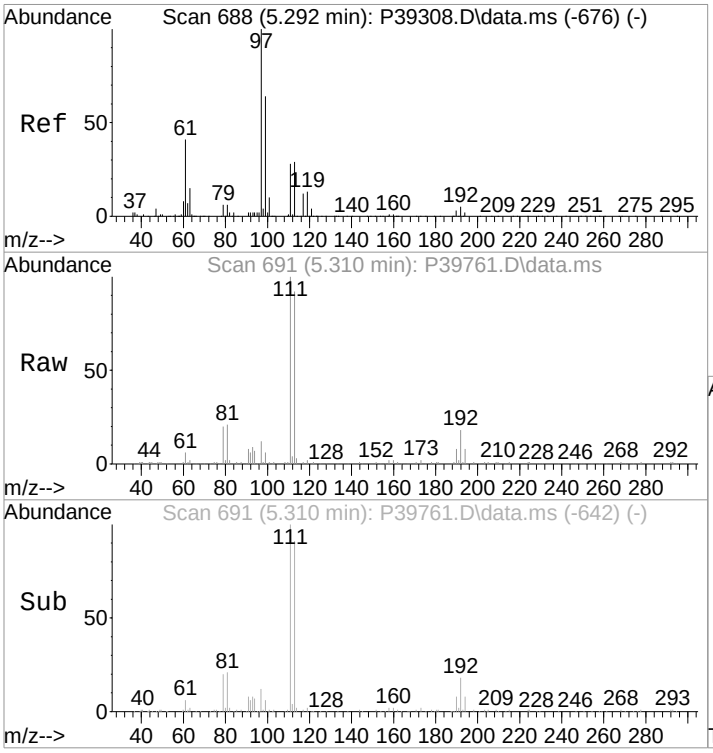


#34
cis-1,2-Dichloroethene
Concen: 3.61 ppb
RT: 4.444 min Scan# 549
Delta R.T. 0.006 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion: 96 Resp: 10483

Ion	Ratio	Lower	Upper
96	100		
61	116.0	112.7	152.7

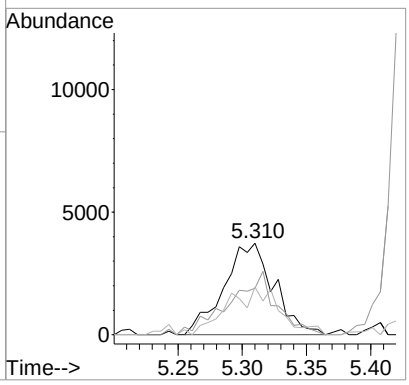


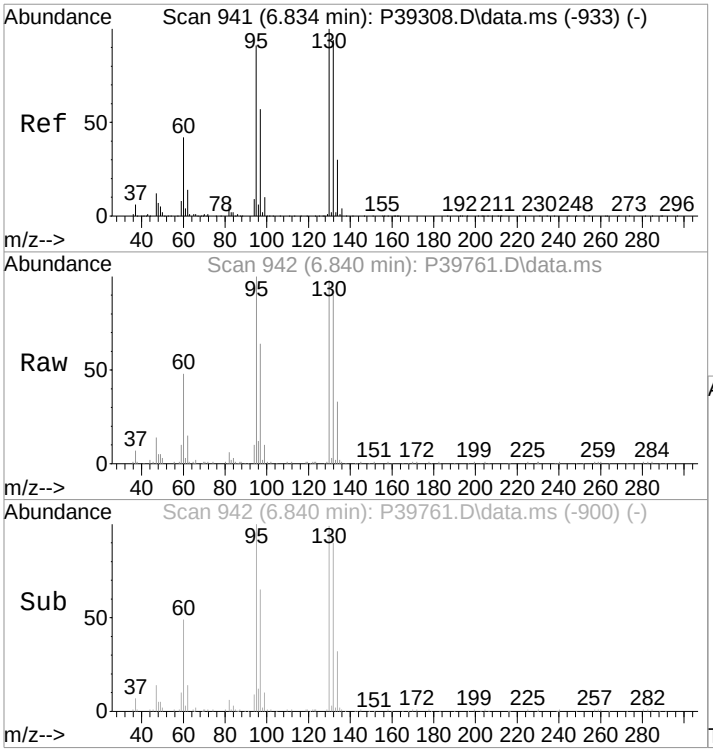


#41
1,1,1-Trichloroethane
Concen: 2.33 ppb
RT: 5.310 min Scan# 691
Delta R.T. 0.018 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion: 97 Resp: 10140

Ion	Ratio	Lower	Upper
97	100		
99	50.5	44.5	84.5
61	55.4	21.1	61.1

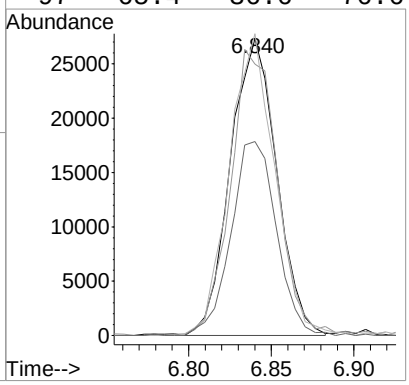


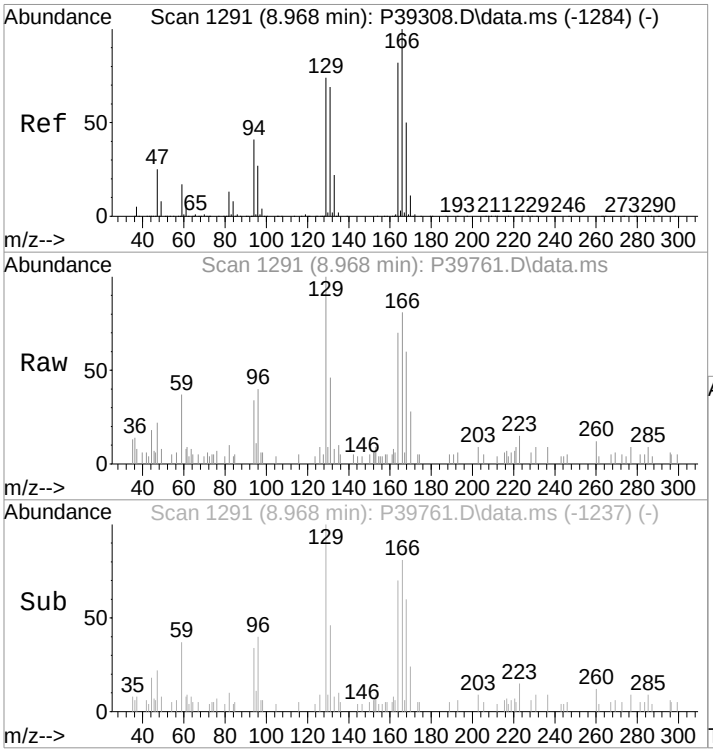


#54
Trichloroethene
Concen: 15.40 ppb
RT: 6.840 min Scan# 942
Delta R.T. 0.006 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion:130 Resp: 53422

Ion	Ratio	Lower	Upper
130	100		
132	91.5	73.9	113.9
95	101.8	71.2	111.2
97	65.4	36.6	76.6

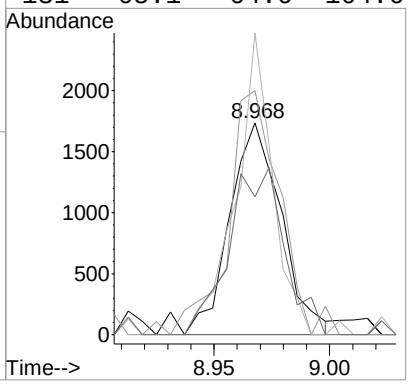




#72
Tetrachloroethene
Concen: 1.04 ppb
RT: 8.968 min Scan# 1291
Delta R.T. -0.000 min
Lab File: P39761.D
Acq: 17 Sep 2020 11:52 pm

Tgt Ion:164 Resp: 2700

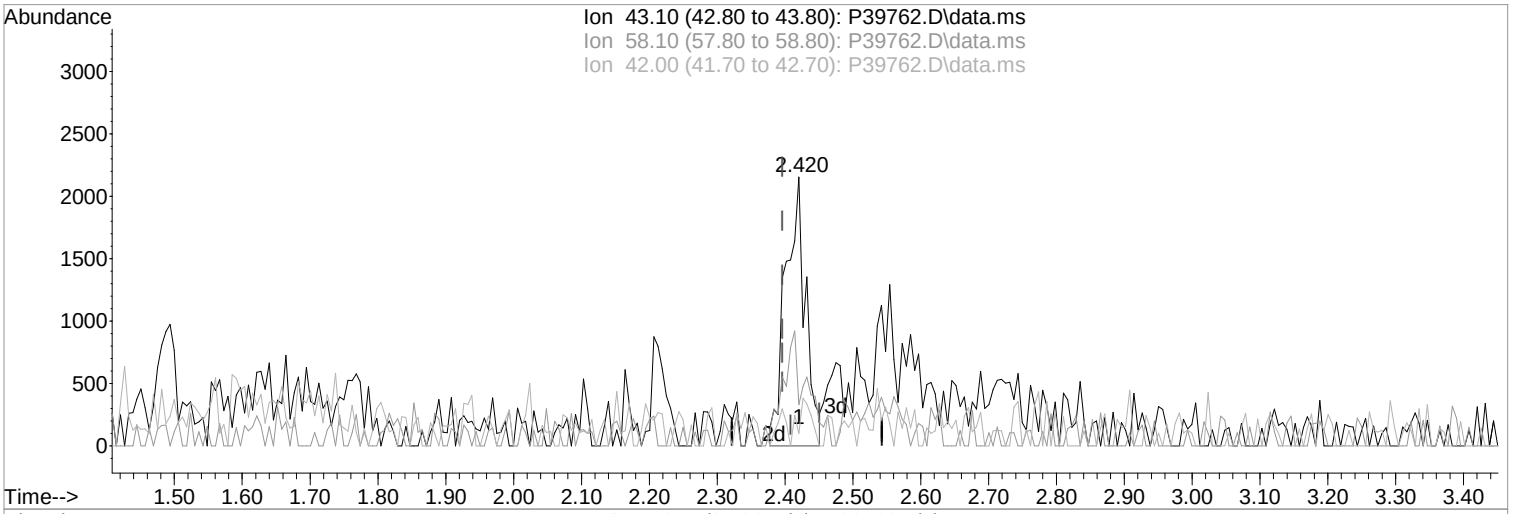
Ion	Ratio	Lower	Upper
164	100		
166	115.3	102.0	142.0
129	142.5	70.7	110.7#
131	65.1	64.6	104.6

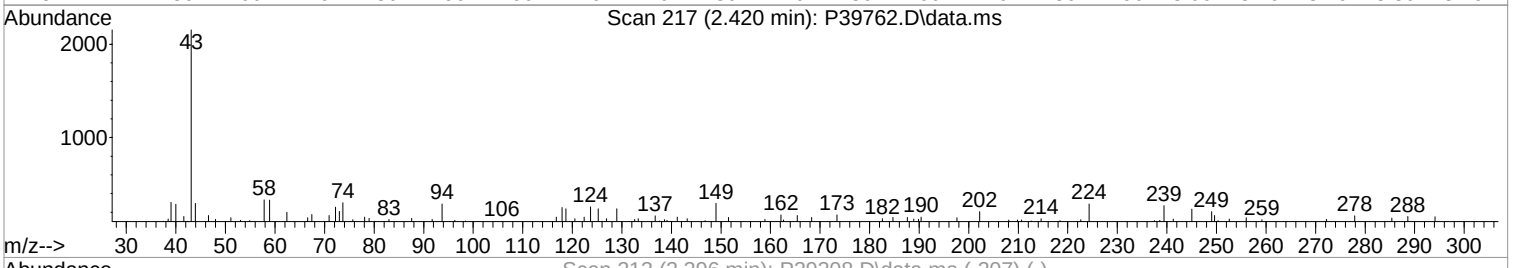


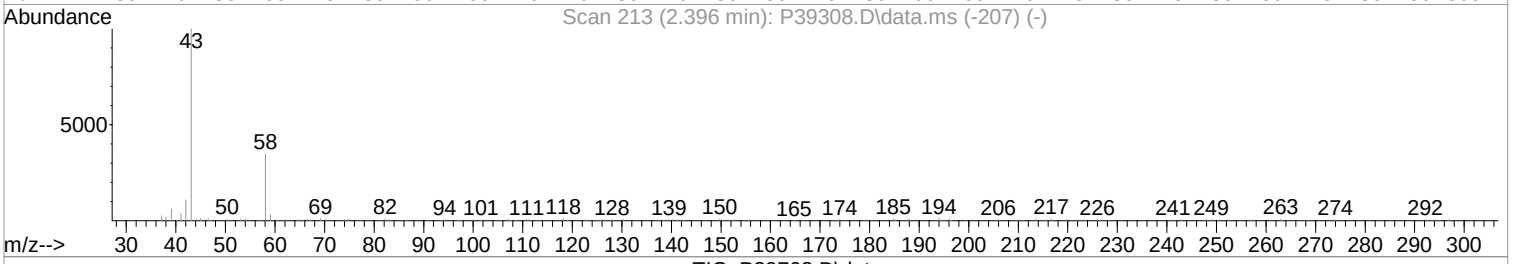
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39762.D
Acq On : 18 Sep 2020 12:14 am
Operator : K.Ruest
Sample : R2008511-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 18 10:42:47 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: P39762.D\data.ms

(15) Acetone (P)

2.420min (+0.024) 3.33 ppb m

response 4406

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	15.41
42.00	11.40	4.69
0.00	0.00	0.00

Manual Integration:

After

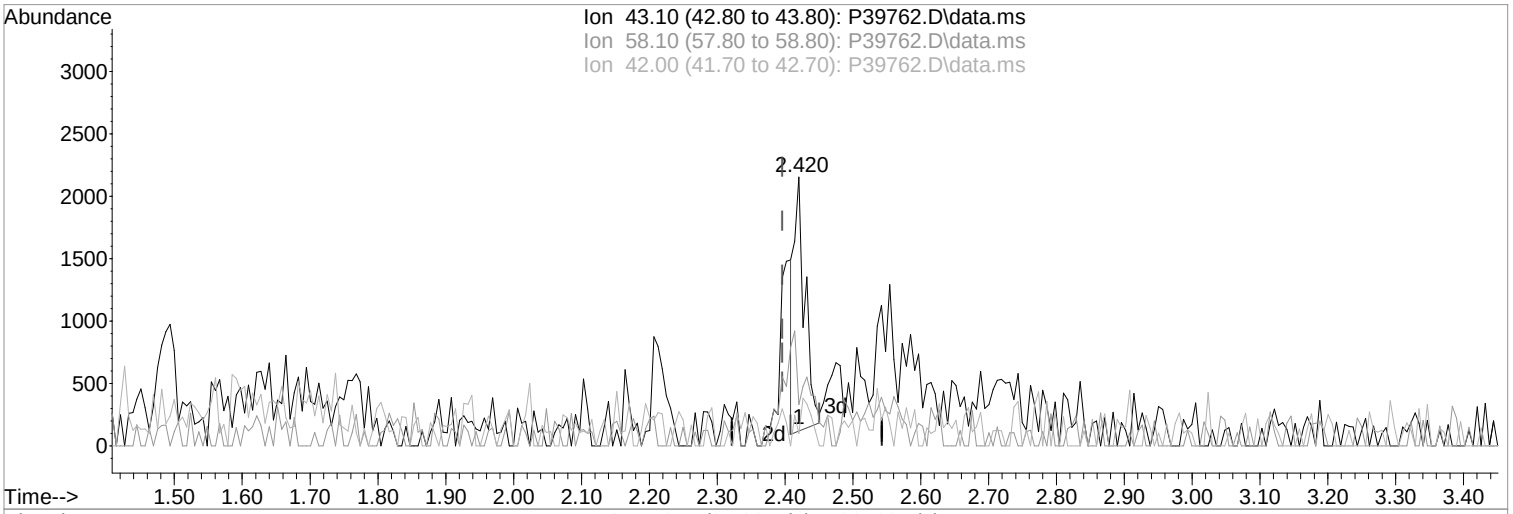
Poor integration.

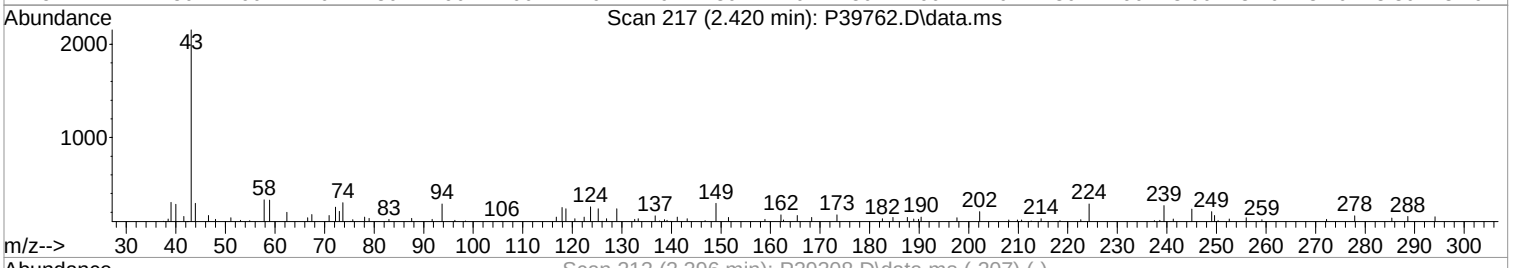
09/22/20

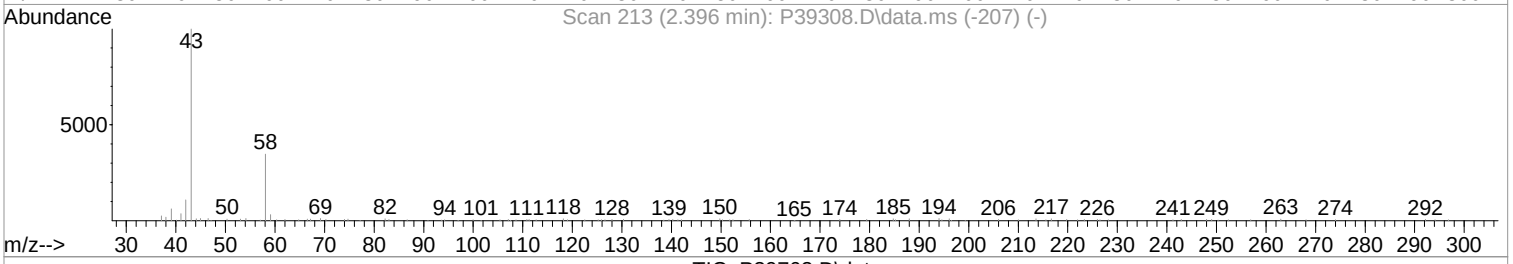
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39762.D
Acq On : 18 Sep 2020 12:14 am
Operator : K.Ruest
Sample : R2008511-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 18 10:42:47 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: P39762.D\data.ms

(15) Acetone (P)

2.420min (+0.024) 1.72 ppb

response 2271

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	15.41
42.00	11.40	4.69
0.00	0.00	0.00

Manual Integration:

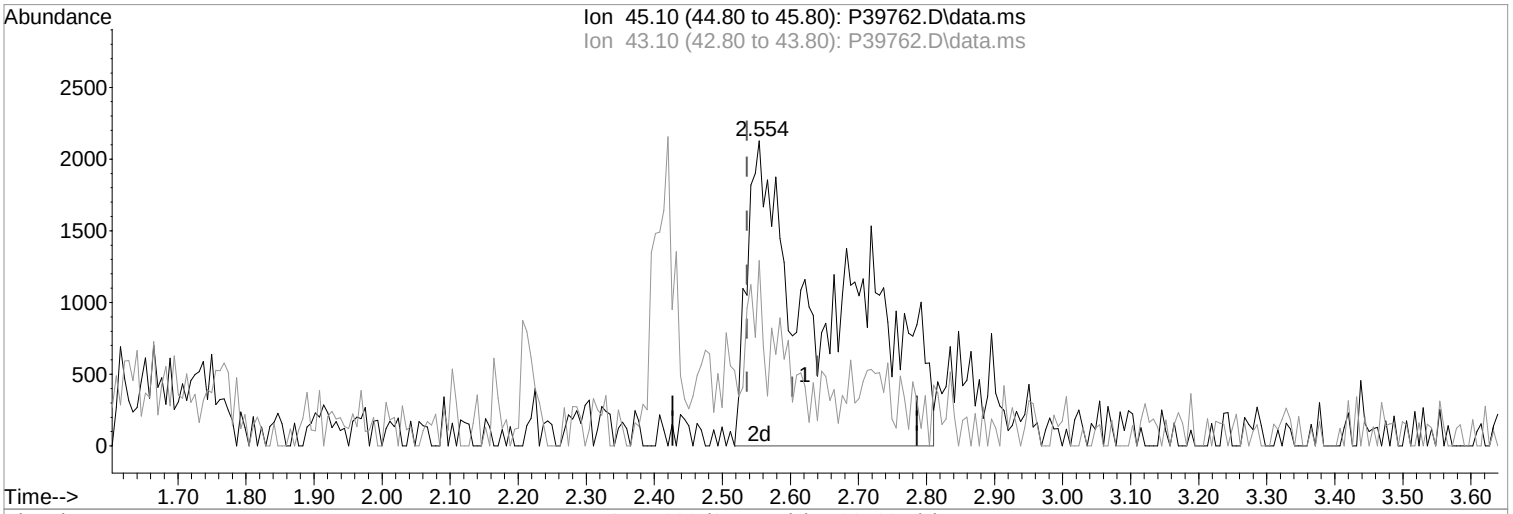
Before

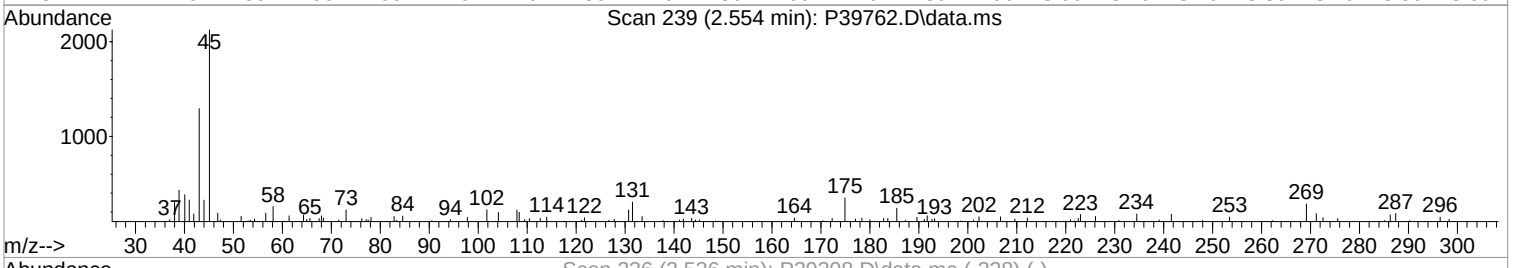
09/22/20

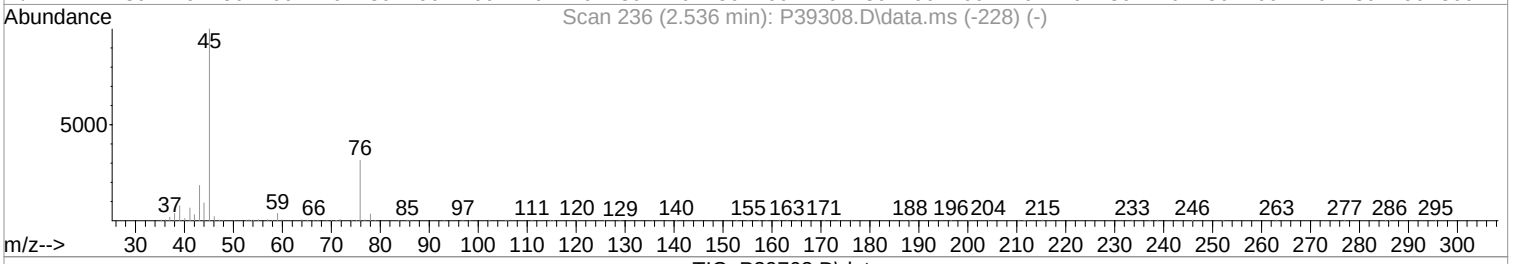
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39762.D
Acq On : 18 Sep 2020 12:14 am
Operator : K.Ruest
Sample : R2008511-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 18 10:42:47 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: P39762.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 55.72 ppb m

response 18340

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	60.74#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

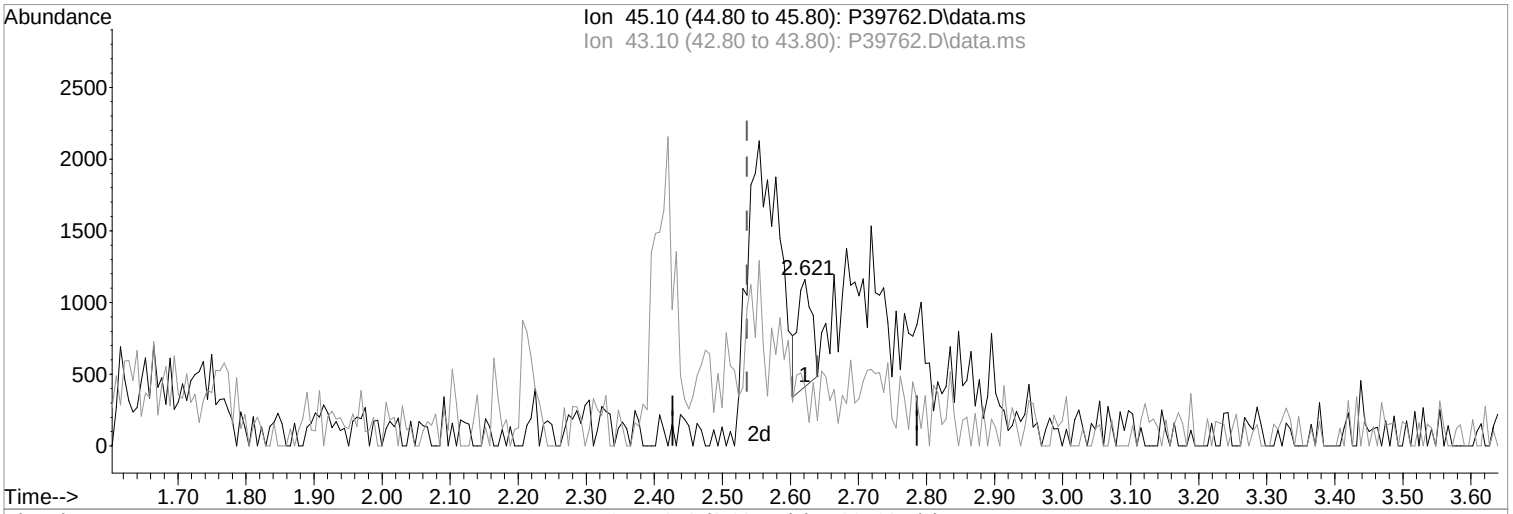
Poor integration.

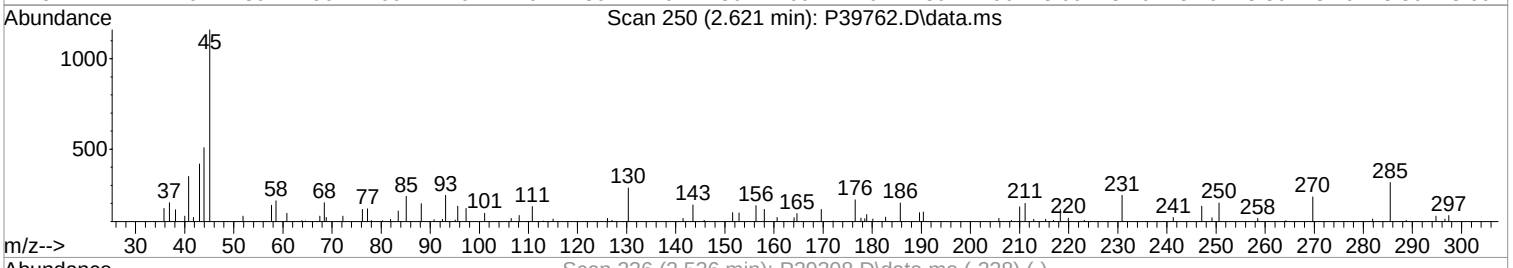
09/22/20

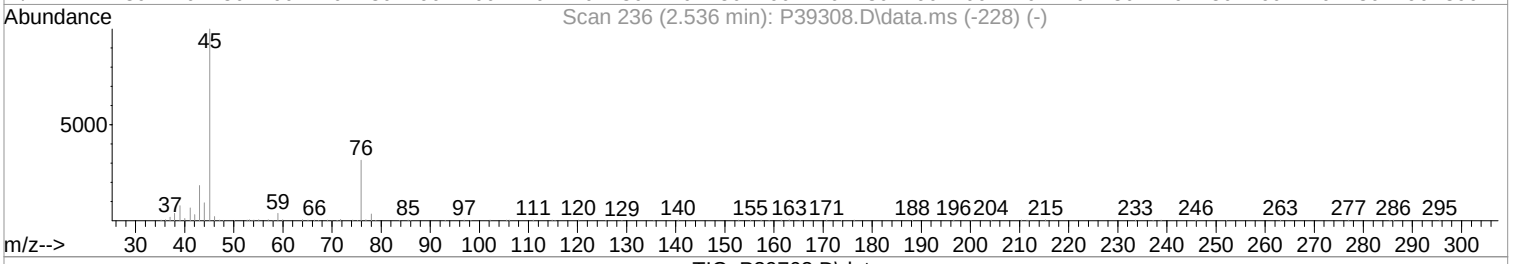
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39762.D
Acq On : 18 Sep 2020 12:14 am
Operator : K.Ruest
Sample : R2008511-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 18 10:42:47 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: P39762.D\data.ms

(16) 2-Propanol

2.621min (+0.085) 3.26 ppb

response 1072

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	36.00
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 : P39762.D
Acq On : 18 Sep 2020 12:14 am
Operator : K.Ruest
Sample : R2008511-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 22 13:54:35 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

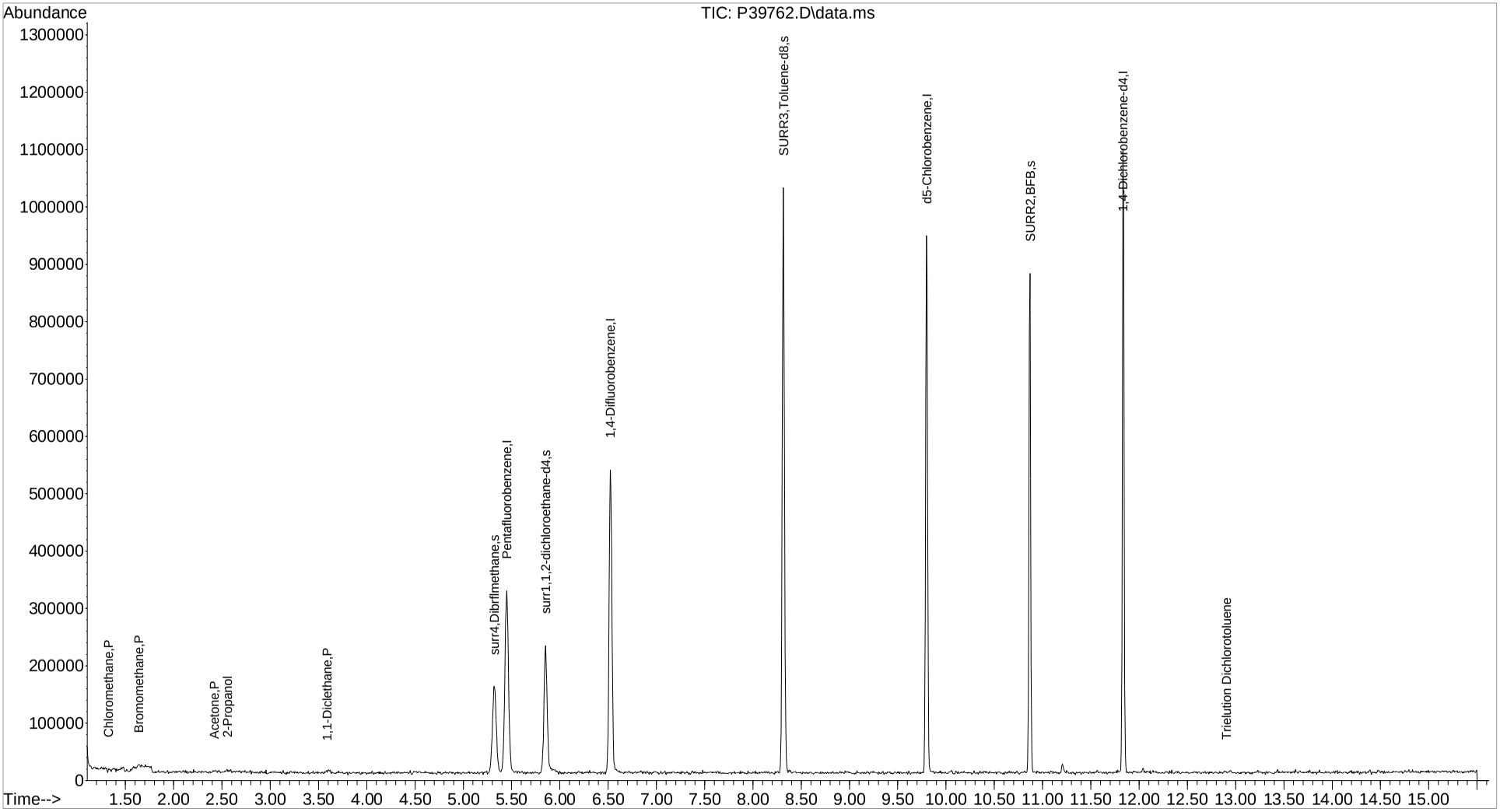
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	274976	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	467035	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	417407	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	201444	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	126878	46.28	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.56%				
48) surr1,1,2-dichloroetha...	5.852	65	181850	49.69	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.38%				
65) SURR3,Toluene-d8	8.315	98	616853	49.51	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.02%				
70) SURR2,BFB	10.870	95	223649	46.28	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.56%				
Target Compounds							Qvalue
3) Chloromethane	1.323	50	2529	0.67	ppb		89
5) Bromomethane	1.640	94	1952	0.22	ppb	#	78
15) Acetone	2.420	43	4406m	3.33	ppb		
16) 2-Propanol	2.554	45	18340m	55.72	ppb		
28) 1,1-Diclethane	3.591	63	3409	0.76	ppb		76
112) Trielution Dichlorotol...	12.900	125	1547	0.25	ppb	#	72

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

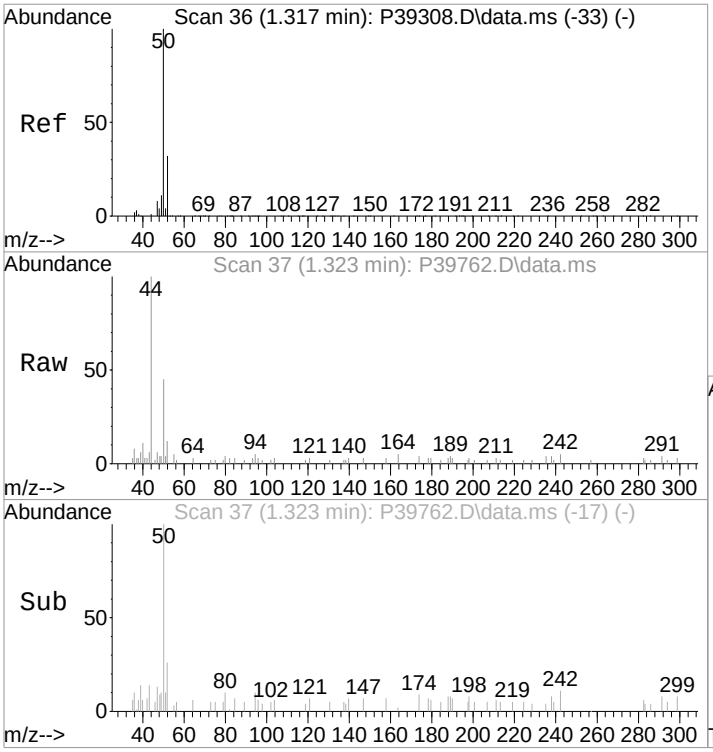
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39762.D
Acq On : 18 Sep 2020 12:14 am
Operator : K.Ruest
Sample : R2008511-004|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 22 13:54:35 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



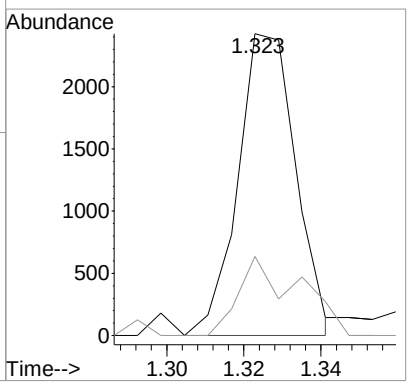
1st 09/22/20
2nd 09/22/20

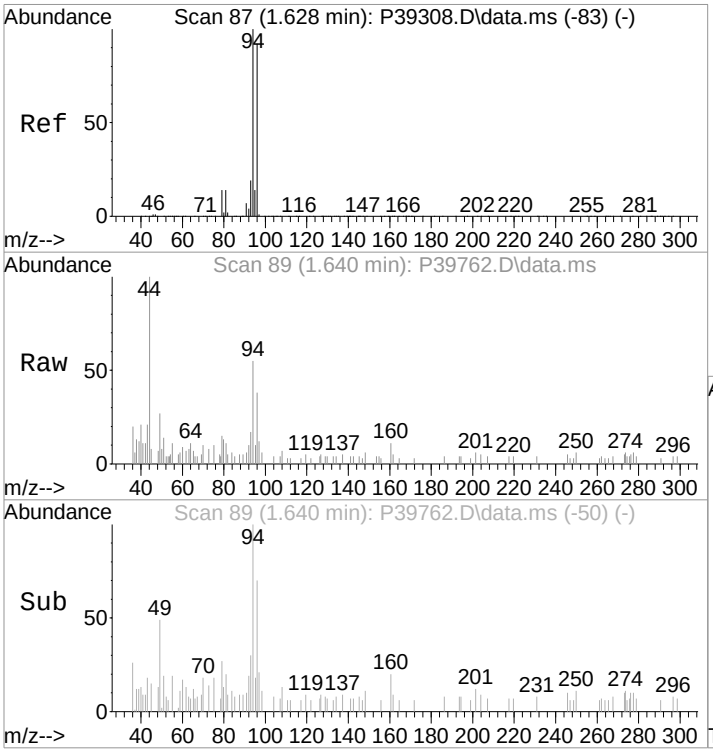


#3
Chloromethane
Concen: 0.67 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39762.D
Acq: 18 Sep 2020 12:14 am

Tgt Ion: 50 Resp: 2529

Ion	Ratio	Lower	Upper
50	100		
52	26.2	12.1	52.1

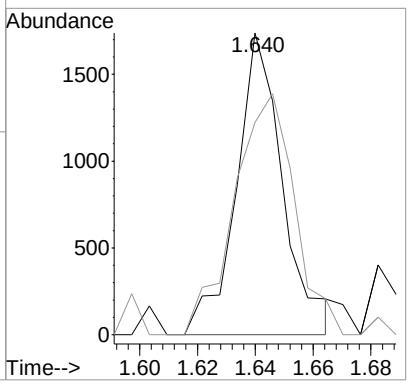


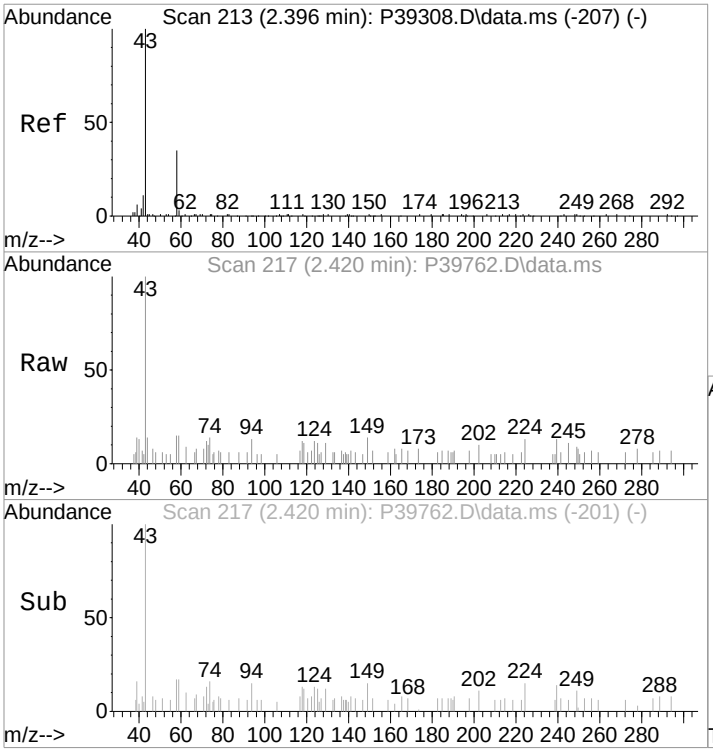


#5
Bromomethane
Concen: 0.22 ppb
RT: 1.640 min Scan# 89
Delta R.T. 0.013 min
Lab File: P39762.D
Acq: 18 Sep 2020 12:14 am

Tgt Ion: 94 Resp: 1952

Ion	Ratio	Lower	Upper
94	100		
96	70.3	71.6	111.6#

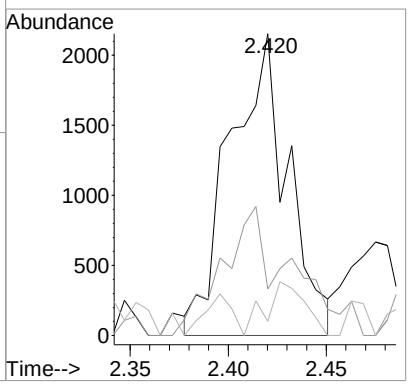


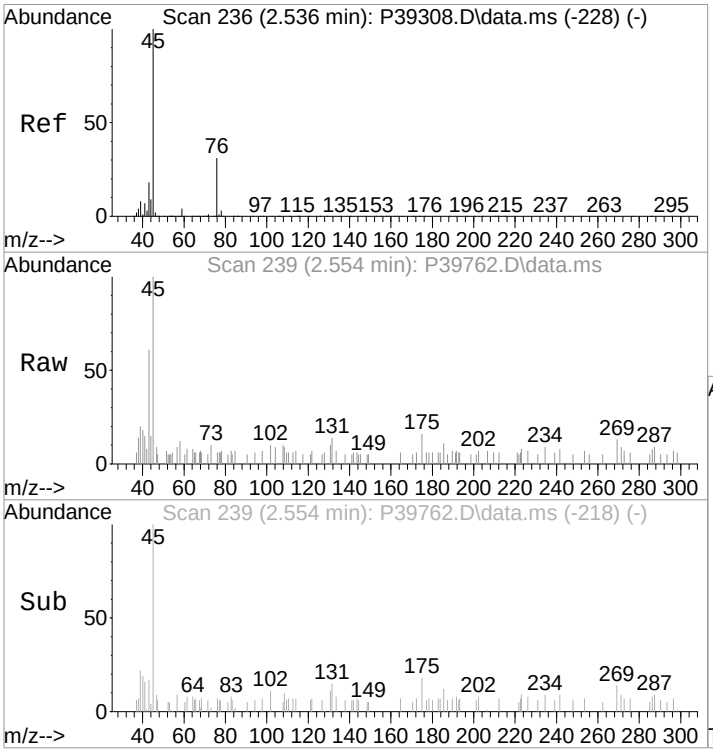


#15
Acetone
Concen: 3.33 ppb m
RT: 2.420 min Scan# 217
Delta R.T. 0.024 min
Lab File: P39762.D
Acq: 18 Sep 2020 12:14 am

Tgt Ion: 43 Resp: 4406

Ion	Ratio	Lower	Upper
43	100		
58	15.4	14.8	54.8
42	4.7	0.0	31.4

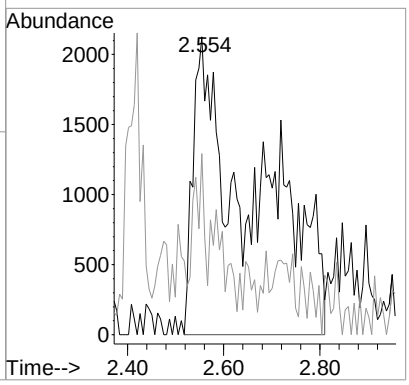


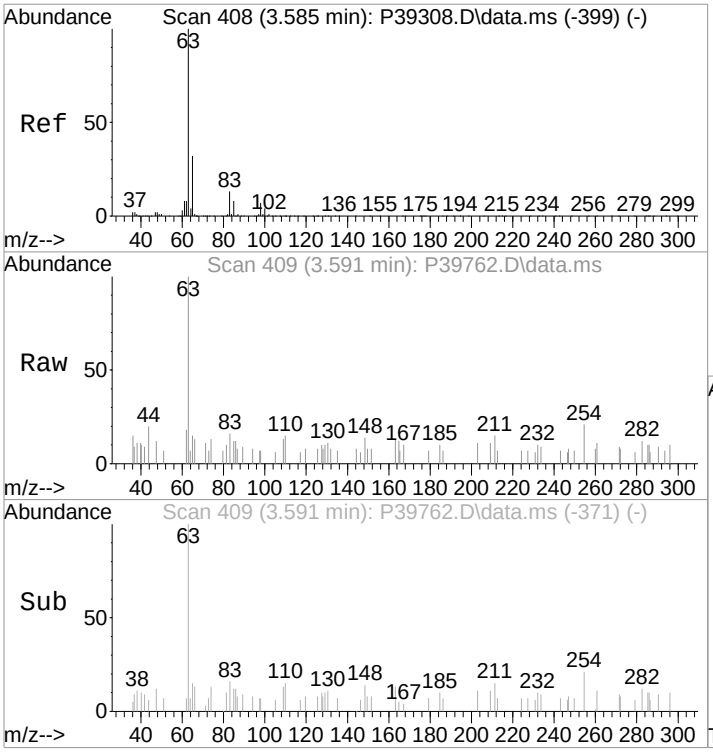


#16
2-Propanol
Concen: 55.72 ppb m
RT: 2.554 min Scan# 239
Delta R.T. 0.018 min
Lab File: P39762.D
Acq: 18 Sep 2020 12:14 am

Tgt Ion: 45 Resp: 18340

Ion	Ratio	Lower	Upper
45	100		
43	60.7	3.1	43.1#

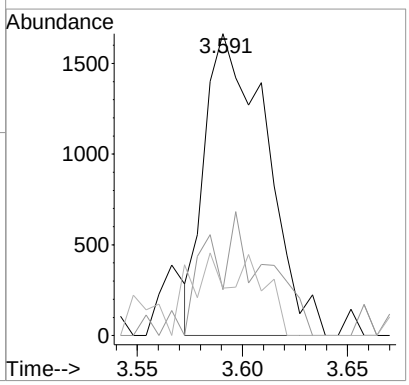


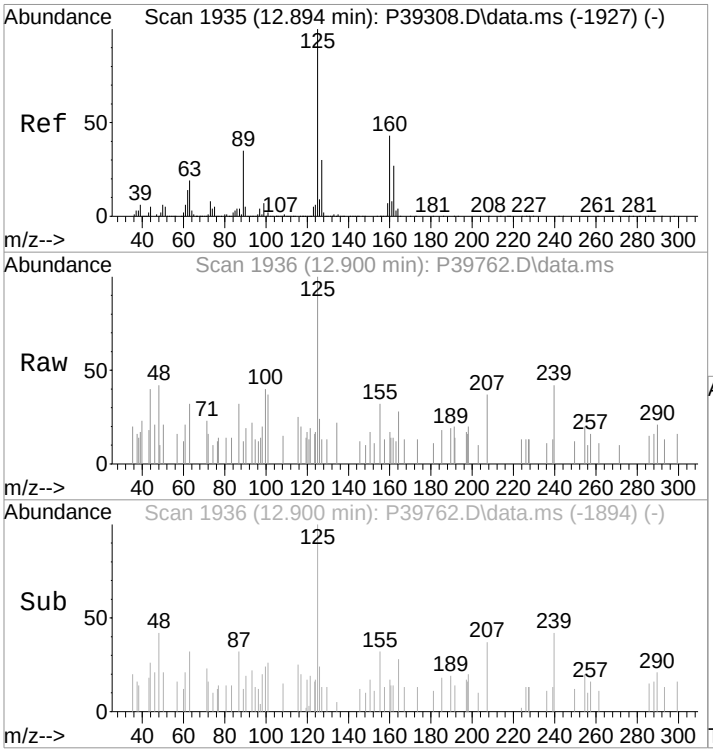


#28
1,1-Diclethane
Concen: 0.76 ppb
RT: 3.591 min Scan# 409
Delta R.T. 0.006 min
Lab File: P39762.D
Acq: 18 Sep 2020 12:14 am

Tgt Ion: 63 Resp: 3409

Ion	Ratio	Lower	Upper
63	100		
65	15.1	12.4	52.4
83	15.7	0.0	32.6

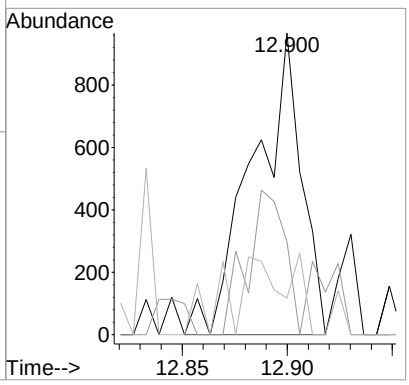




#112
Trielution Dichlorotoluene
Concen: 0.25 ppb
RT: 12.900 min Scan# 1936
Delta R.T. 0.006 min
Lab File: P39762.D
Acq: 18 Sep 2020 12:14 am

Tgt Ion:125 Resp: 1547

Ion	Ratio	Lower	Upper
125	100		
160	30.9	34.2	51.2#
89	12.1	28.1	42.1#

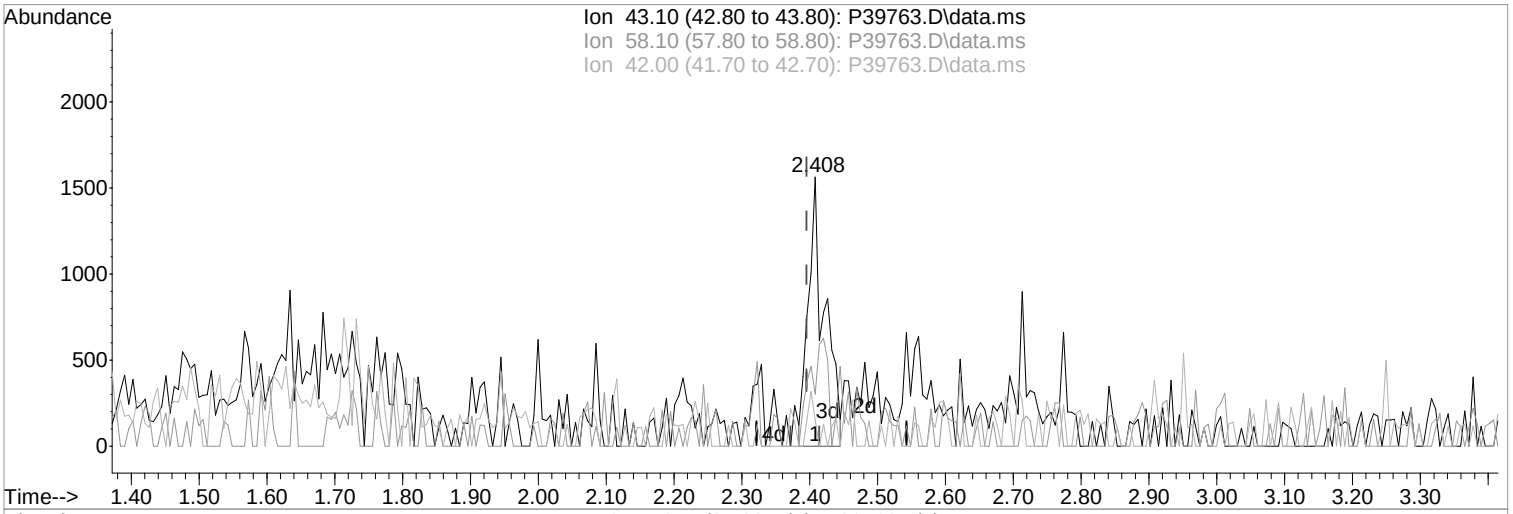


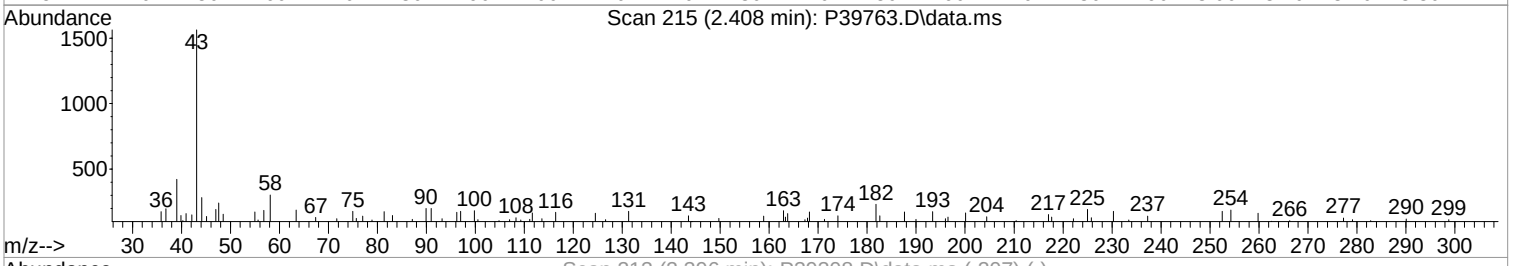
1st 09/22/20
2nd 09/22/20

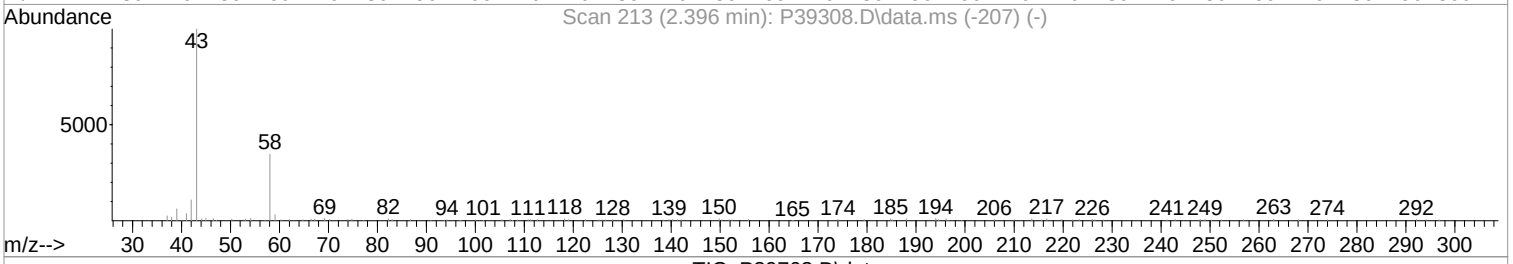
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 18 10:43:02 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: P39763.D\data.ms

(15) Acetone (P)

2.408min (+0.012) 1.89 ppb m

response 2619

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	19.31
42.00	11.40	9.72
0.00	0.00	0.00

Manual Integration:

After

Split Peak

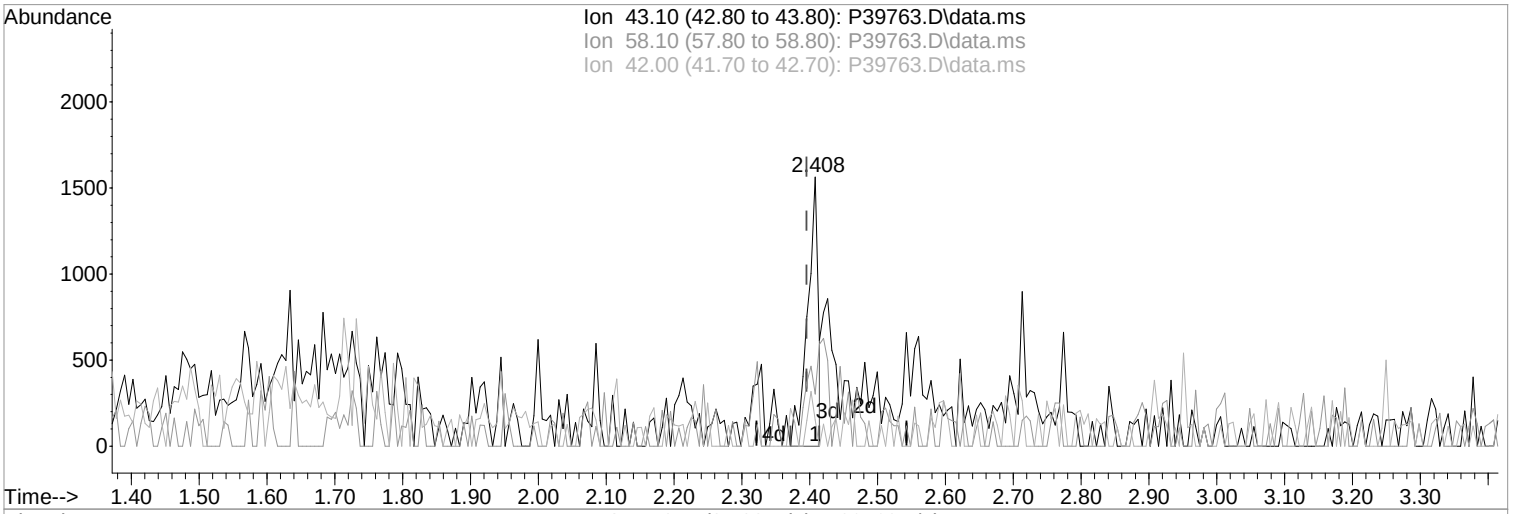
09/22/20

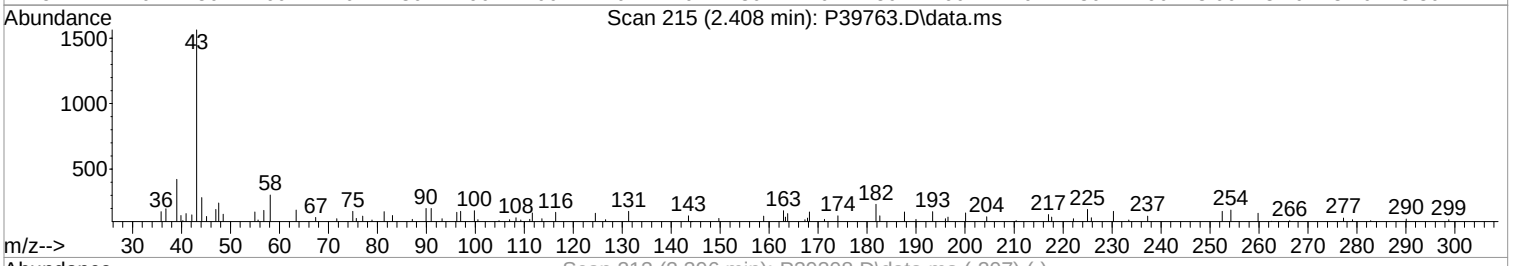
1st 09/22/20
2nd 09/22/20

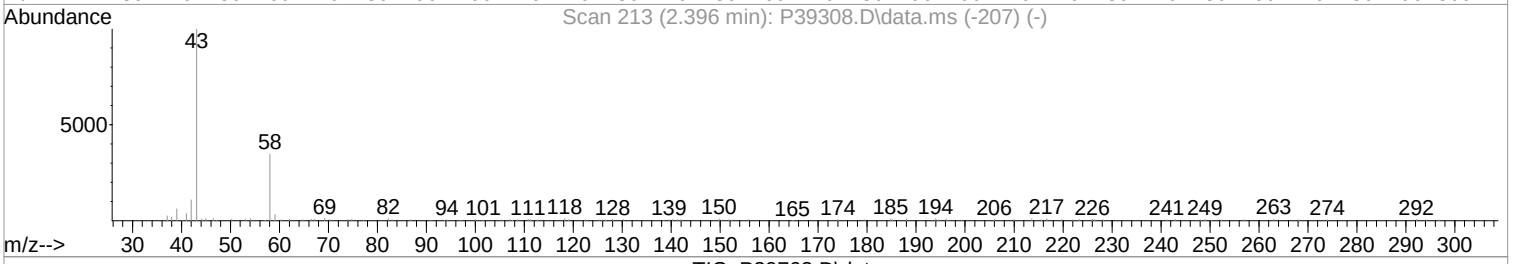
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 18 10:43:02 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: P39763.D\data.ms

(15) Acetone (P)

2.408min (+0.012) 1.24 ppb

response 1719

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	19.31
42.00	11.40	9.72
0.00	0.00	0.00

Manual Integration:

Before

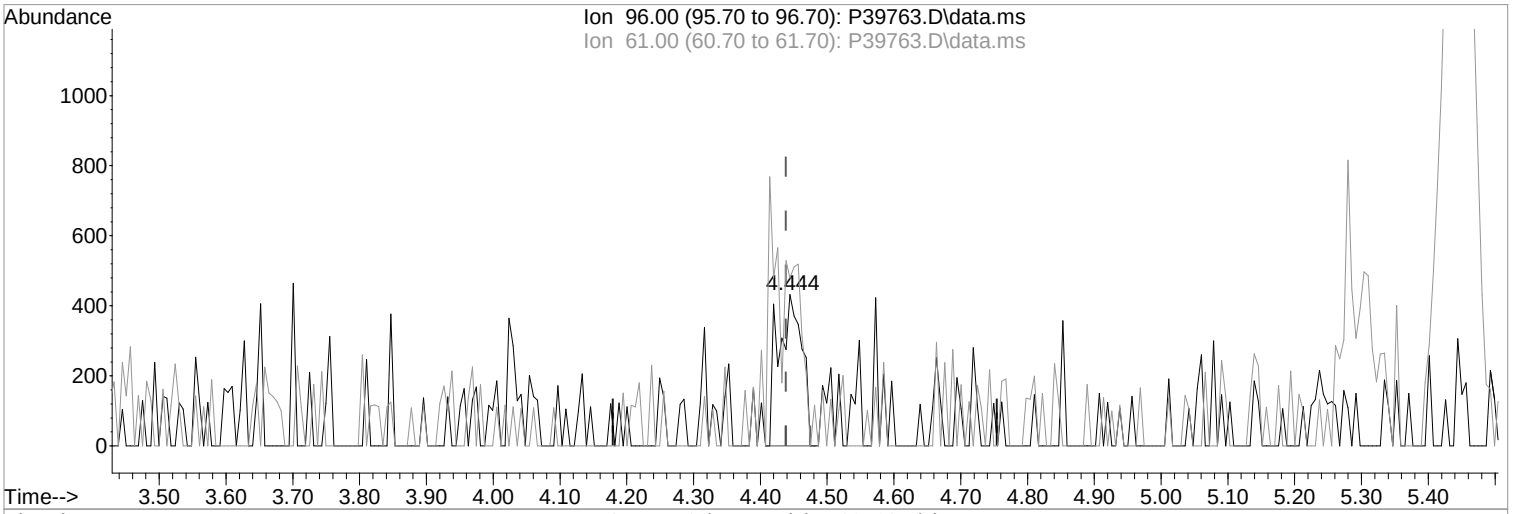
09/22/20

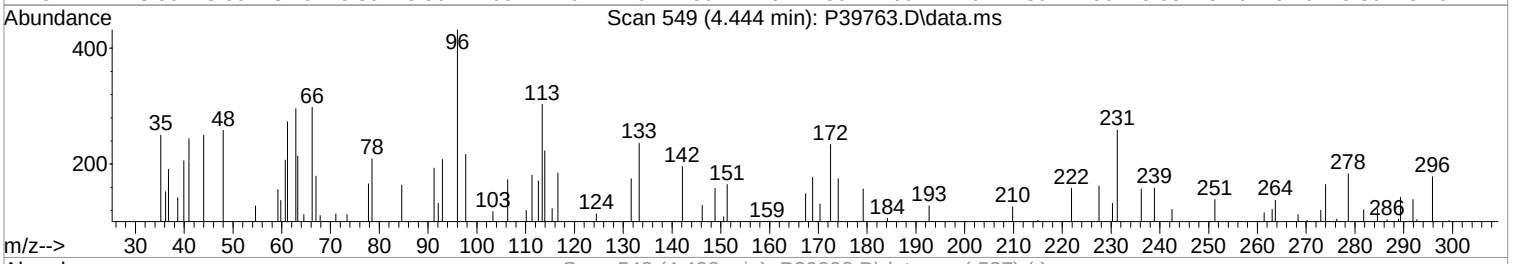
1st 09/22/20
2nd 09/22/20

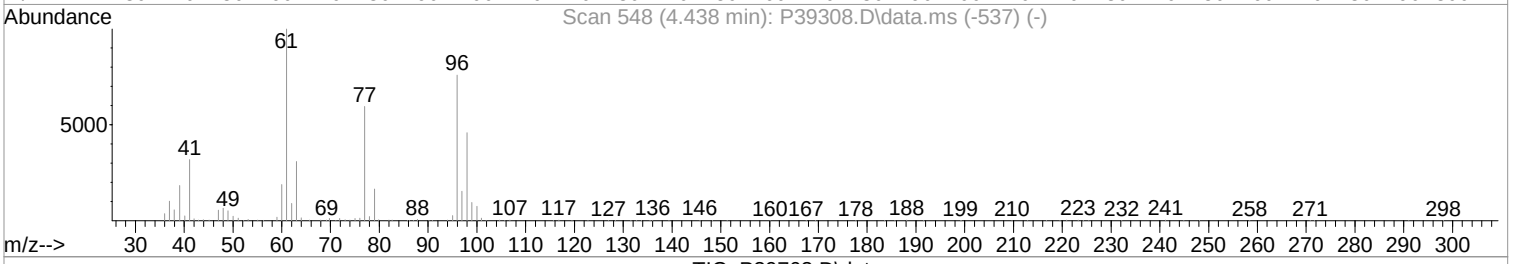
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 18 10:43:02 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: P39763.D\data.ms

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

4.444min (+0.006) 0.36 ppb m

response 1058

Ion	Exp%	Act%
96.00	100	100
61.00	132.70	63.19#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

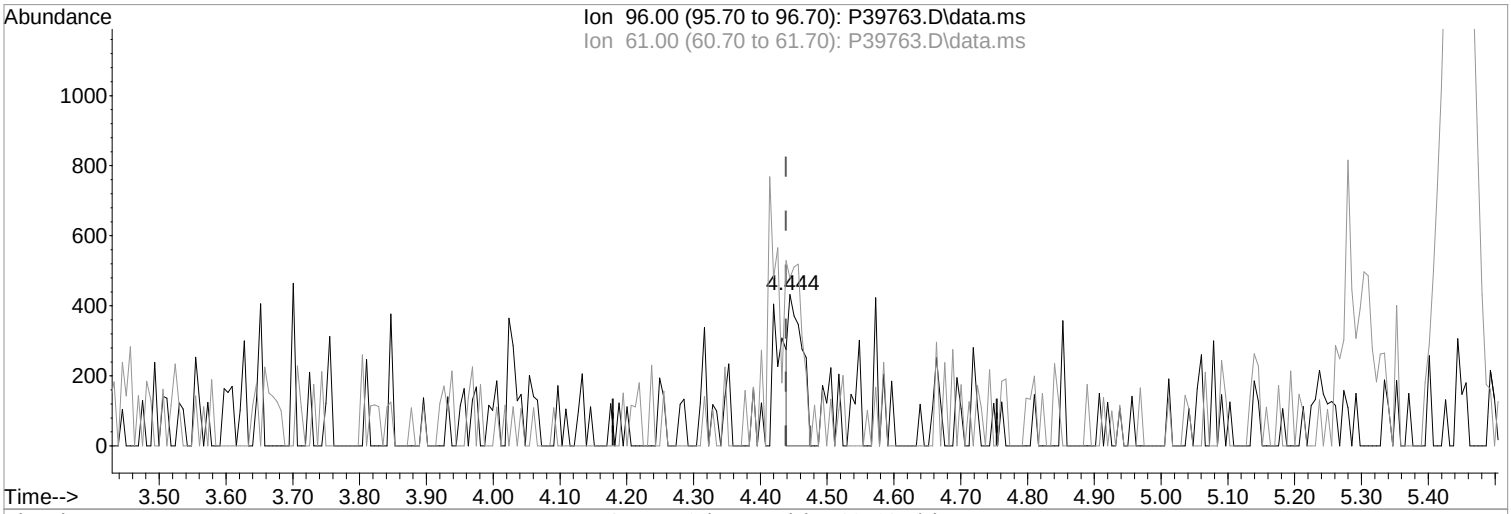
Split Peak

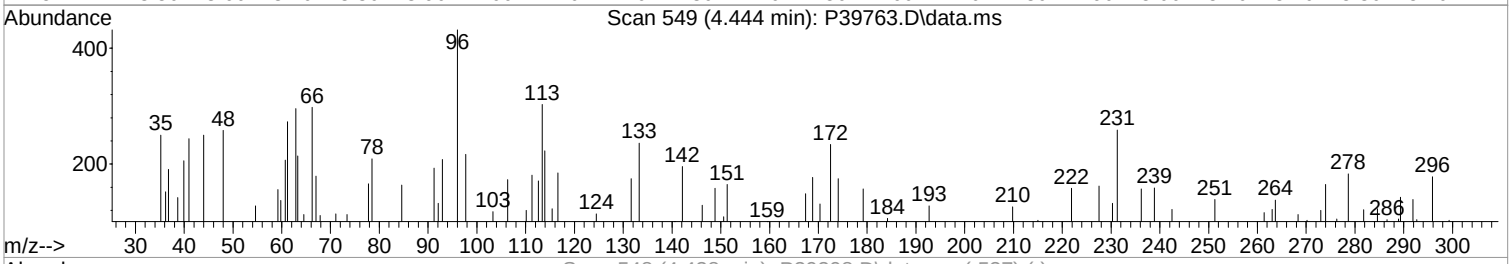
09/22/20

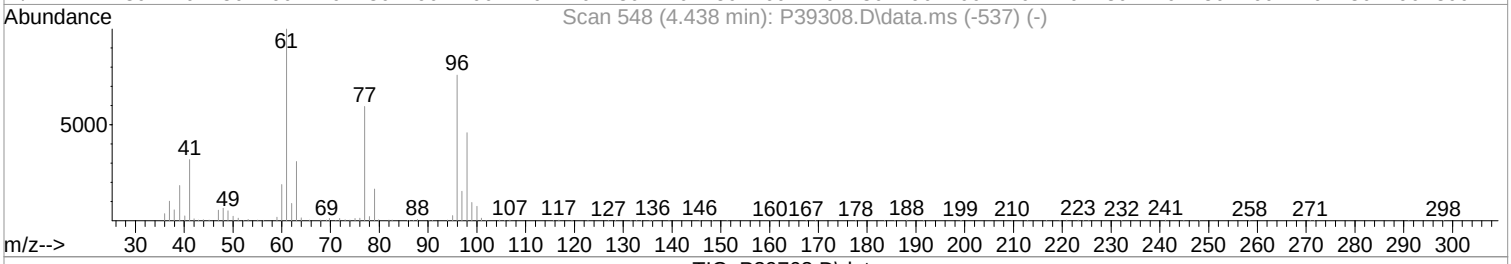
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 18 10:43:02 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: P39763.D\data.ms

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

4.444min (+0.006) 0.21 ppb

response 614

Ion	Exp%	Act%
96.00	100	100
61.00	132.70	111.11#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

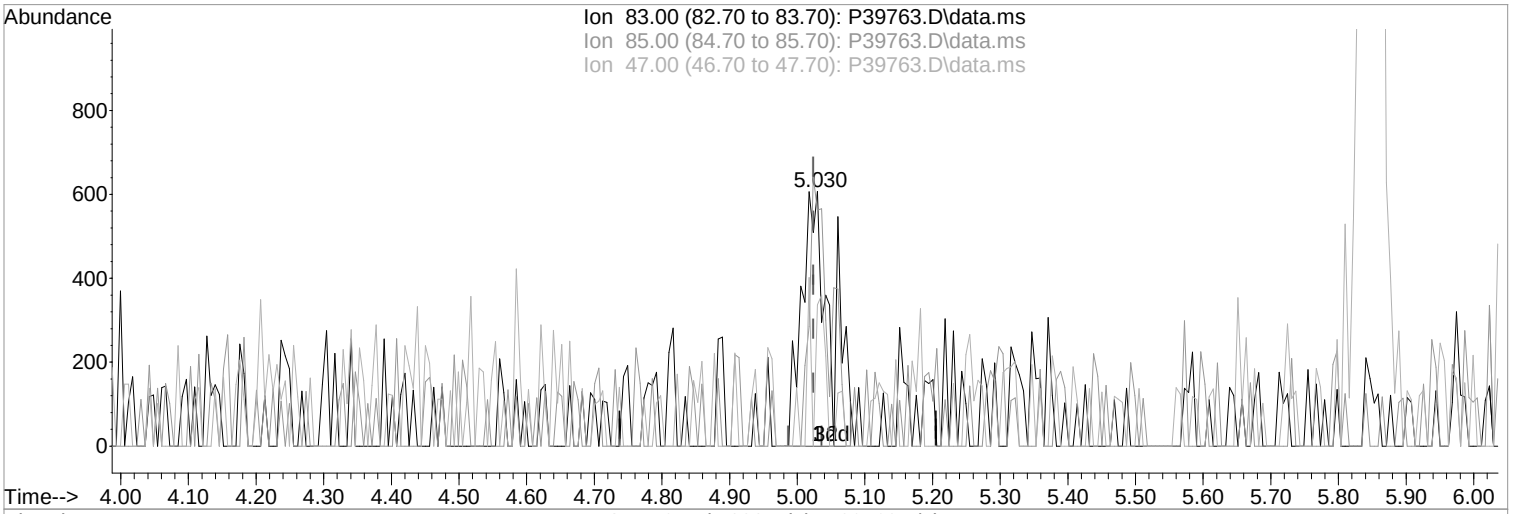
09/22/20

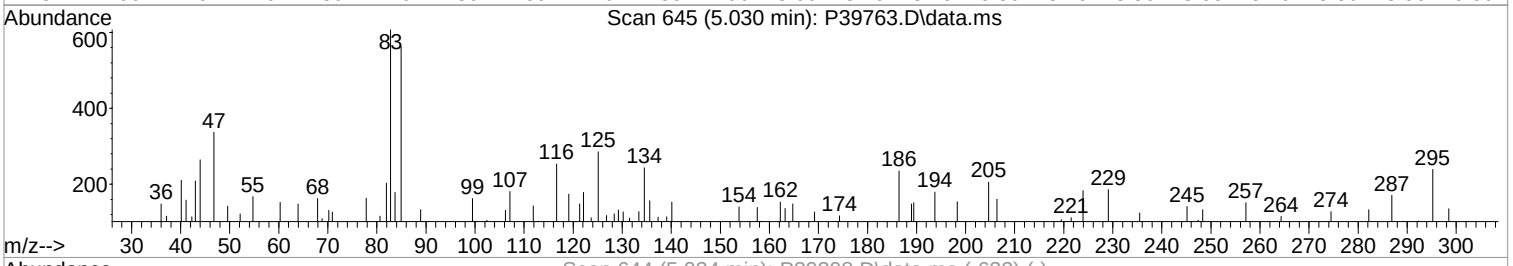
1st 09/22/20
2nd 09/22/20

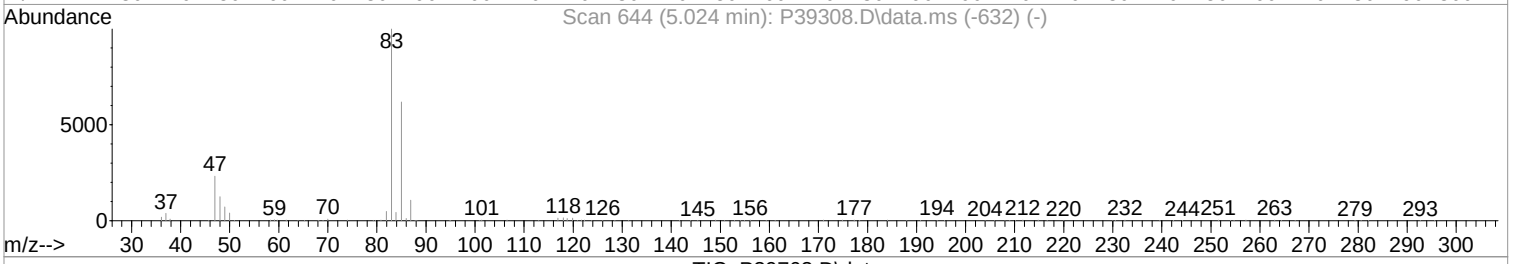
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 18 10:43:02 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: P39763.D\data.ms

(40) Chloroform (P)

5.030min (+0.006) 0.37 ppb m

response 1816

Ion	Exp%	Act%
83.00	100	100
85.00	62.00	92.75#
47.00	23.20	55.52#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

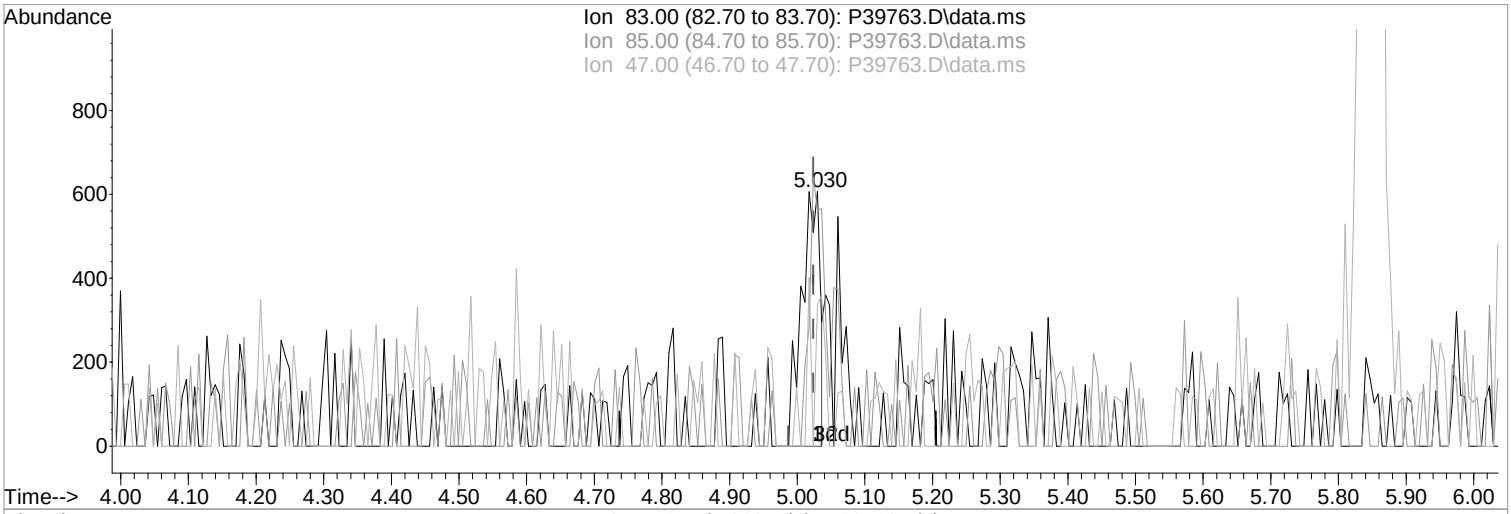
09/22/20

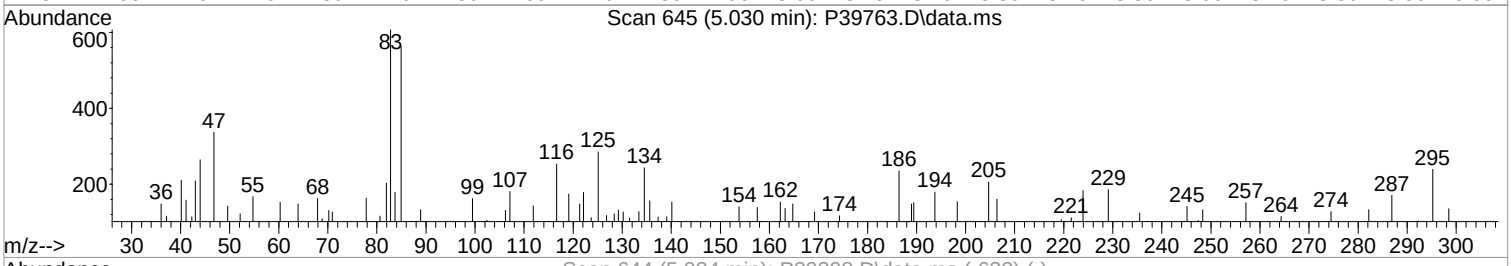
1st 09/22/20
2nd 09/22/20

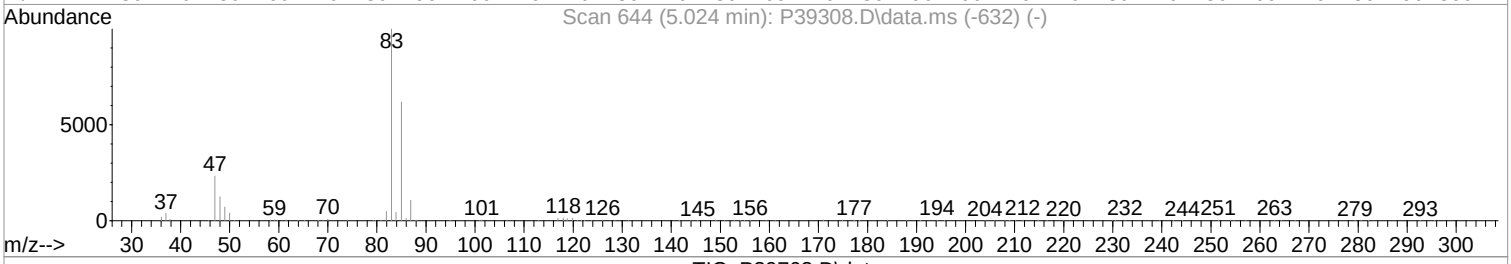
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 18 10:43:02 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: P39763.D\data.ms

(40) Chloroform (P)

5.030min (+0.006) 0.23 ppb

response 1145

Ion	Exp%	Act%
83.00	100	100
85.00	62.00	71.72
47.00	23.20	42.93
0.00	0.00	0.00

Manual Integration:

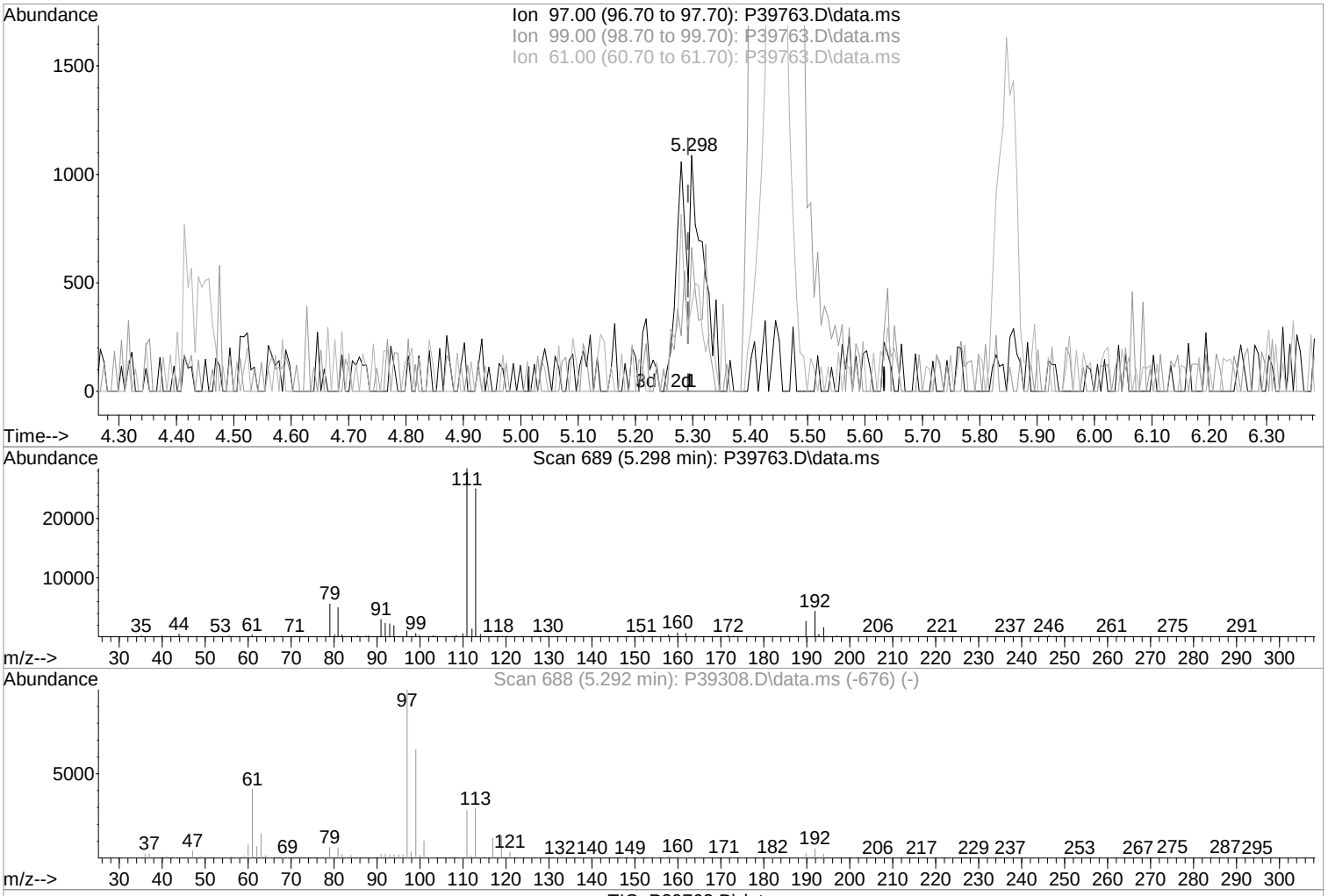
Before

09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 18 10:43:02 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: P39763.D\data.ms

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

5.298min (+0.006) 0.70 ppb m

response 3121

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	60.94
61.00	41.10	36.03
0.00	0.00	0.00

Manual Integration:

After

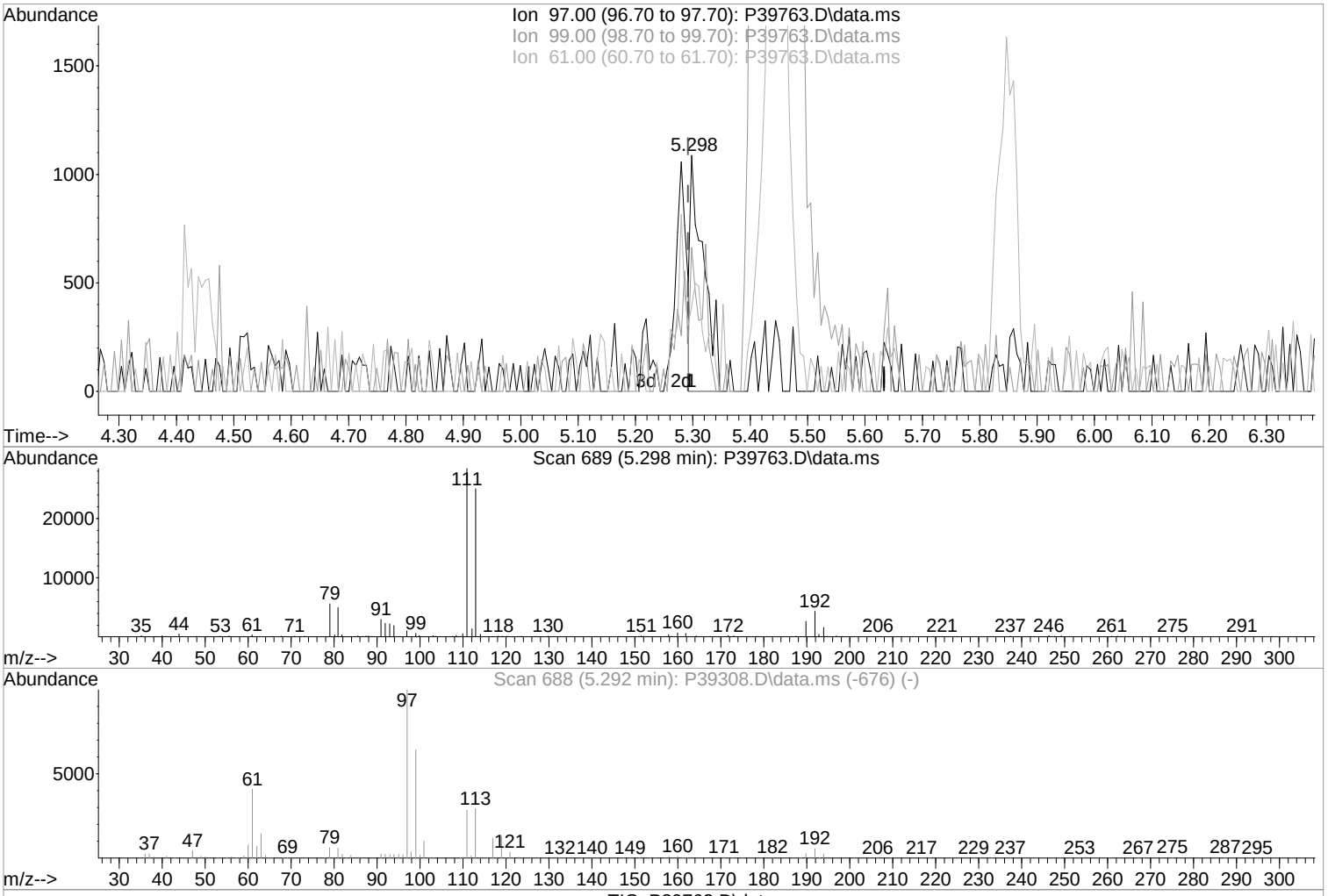
Split Peak

09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 18 10:43:02 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: P39763.D\data.ms

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

5.298min (+0.006) 0.39 ppb

response 1757

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	60.94
61.00	41.10	36.03
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 : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 22 13:56:48 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

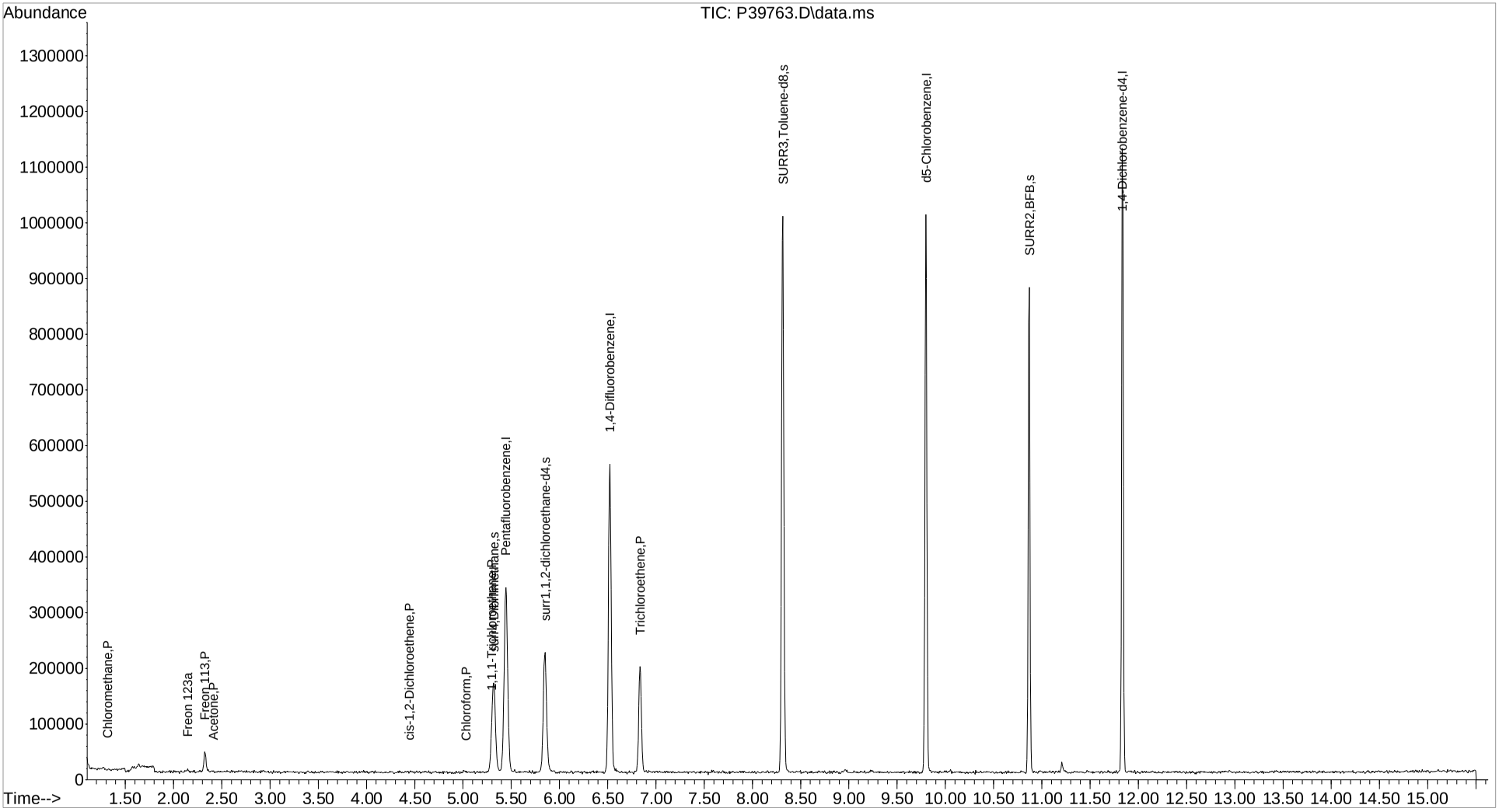
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	287577	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	482838	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	433790	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	214747	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	127208	44.88	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 89.76%				
48) surr1,1,2-dichloroetha...	5.853	65	189914	50.19	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.38%				
65) SURR3,Toluene-d8	8.316	98	636877	49.44	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.88%				
70) SURR2,BFB	10.870	95	231451	46.32	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.64%				
Target Compounds							Qvalue
3) Chloromethane	1.317	50	1495	0.38	ppb		93
10) Freon 123a	2.146	67	1401	0.45	ppb	#	69
14) Freon 113	2.323	101	12739	5.33	ppb		88
15) Acetone	2.408	43	2619m	1.89	ppb		
34) cis-1,2-Dichloroethene	4.444	96	1058m	0.36	ppb		
40) Chloroform	5.030	83	1816m	0.37	ppb		
41) 1,1,1-Trichloroethane	5.298	97	3121m	0.70	ppb		
54) Trichloroethene	6.834	130	64507	17.90	ppb		93

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

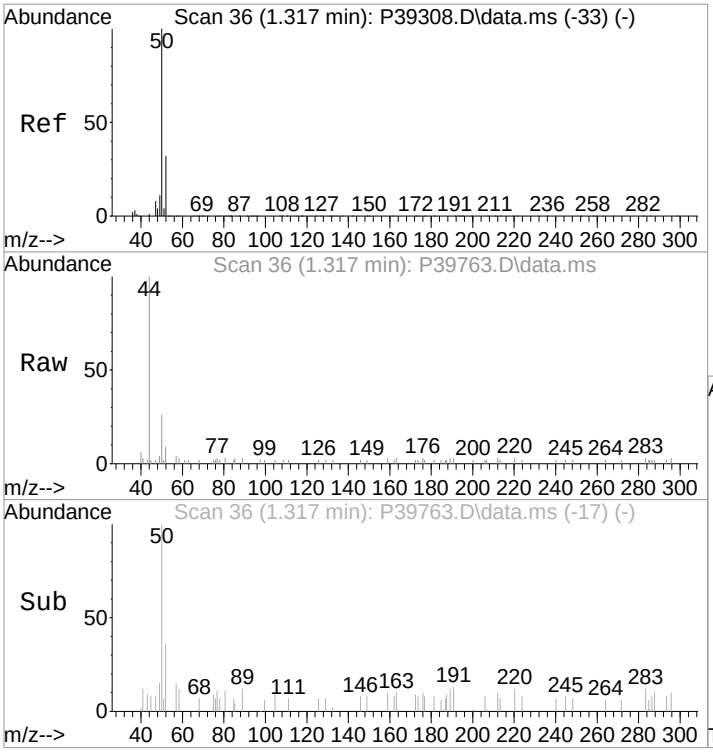
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39763.D
Acq On : 18 Sep 2020 12:36 am
Operator : K.Ruest
Sample : R2008511-005|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 22 13:56:48 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



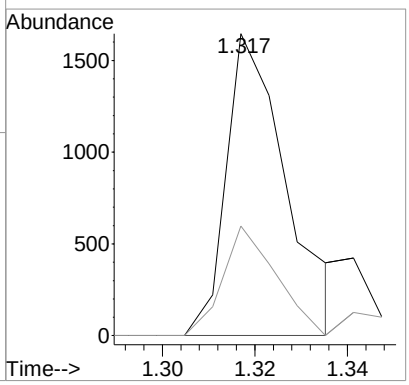
1st 09/22/20
2nd 09/22/20

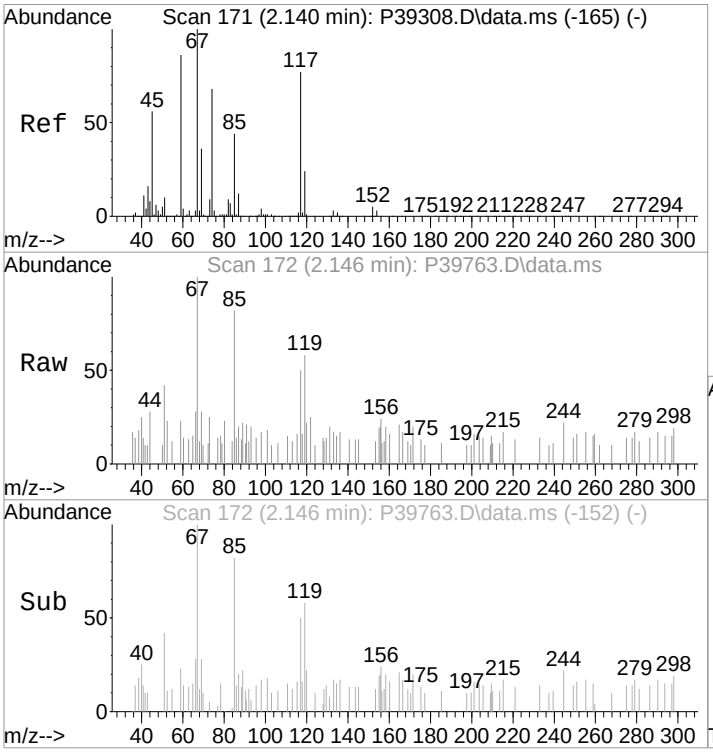


#3
Chloromethane
Concen: 0.38 ppb
RT: 1.317 min Scan# 36
Delta R.T. 0.000 min
Lab File: P39763.D
Acq: 18 Sep 2020 12:36 am

Tgt Ion: 50 Resp: 1495

Ion	Ratio	Lower	Upper
50	100		
52	36.2	12.1	52.1

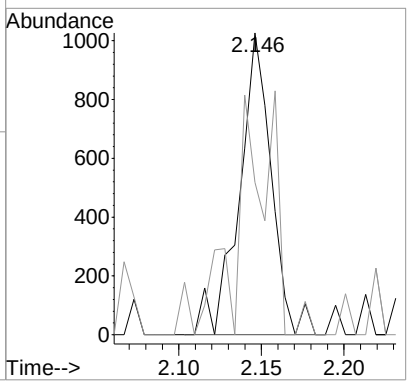


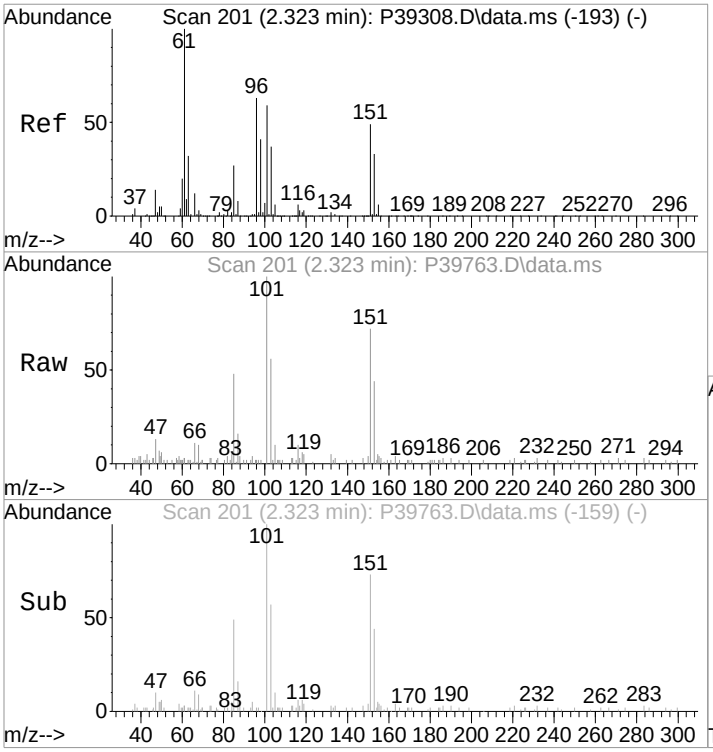


#10
Freon 123a
Concen: 0.45 ppb
RT: 2.146 min Scan# 172
Delta R.T. 0.006 min
Lab File: P39763.D
Acq: 18 Sep 2020 12:36 am

Tgt Ion: 67 Resp: 1401

Ion	Ratio	Lower	Upper
67	100		
117	50.4	57.5	97.5#

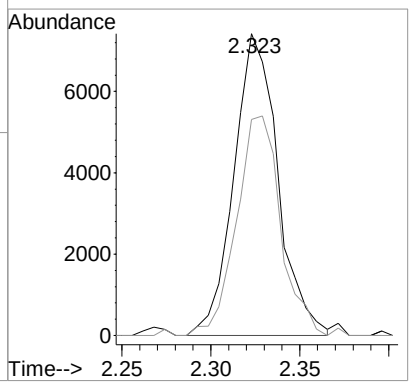


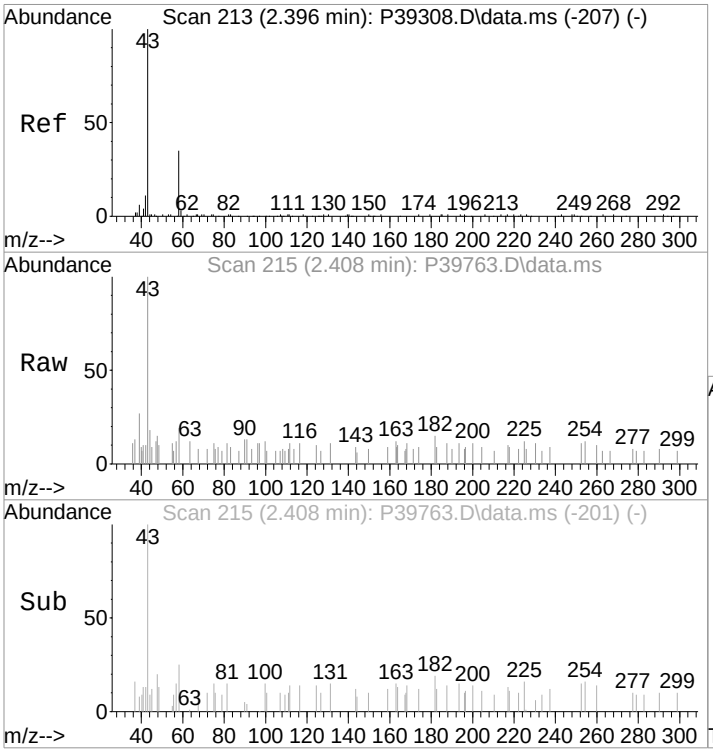


#14
Freon 113
Concen: 5.33 ppb
RT: 2.323 min Scan# 201
Delta R.T. 0.000 min
Lab File: P39763.D
Acq: 18 Sep 2020 12:36 am

Tgt Ion:101 Resp: 12739

Ion	Ratio	Lower	Upper
101	100		
151	71.5	62.1	102.1

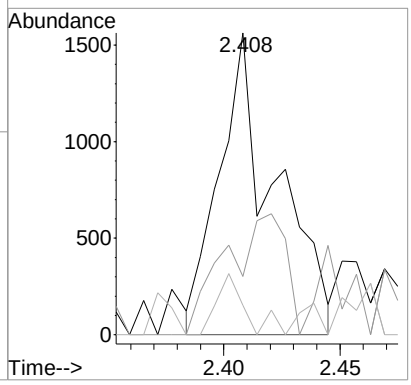


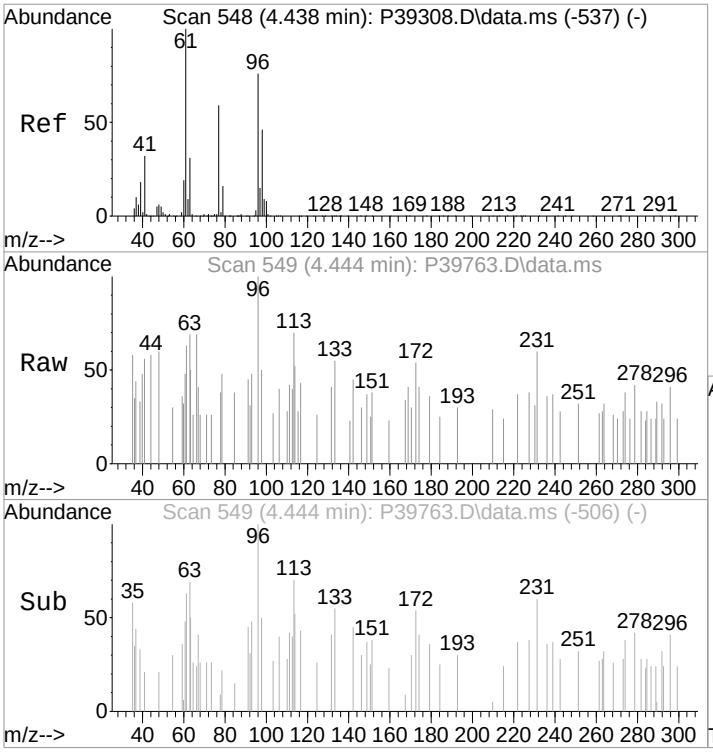


#15
Acetone
Concen: 1.89 ppb m
RT: 2.408 min Scan# 215
Delta R.T. 0.012 min
Lab File: P39763.D
Acq: 18 Sep 2020 12:36 am

Tgt Ion: 43 Resp: 2619

Ion	Ratio	Lower	Upper
43	100		
58	19.3	14.8	54.8
42	9.7	0.0	31.4

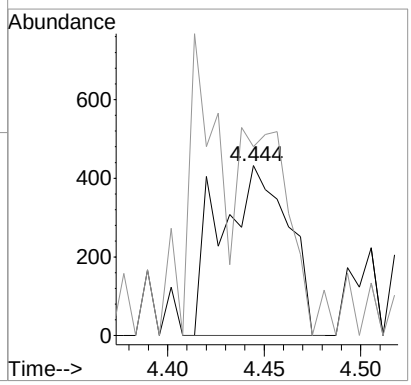


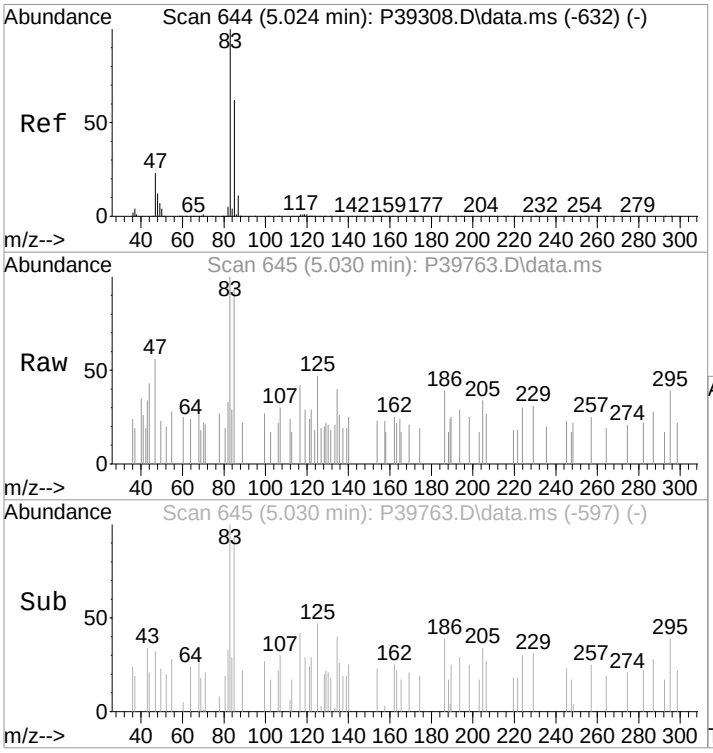


#34
cis-1,2-Dichloroethene
Concen: 0.36 ppb m
RT: 4.444 min Scan# 549
Delta R.T. 0.006 min
Lab File: P39763.D
Acq: 18 Sep 2020 12:36 am

Tgt Ion: 96 Resp: 1058

Ion	Ratio	Lower	Upper
96	100		
61	63.2	112.7	152.7#

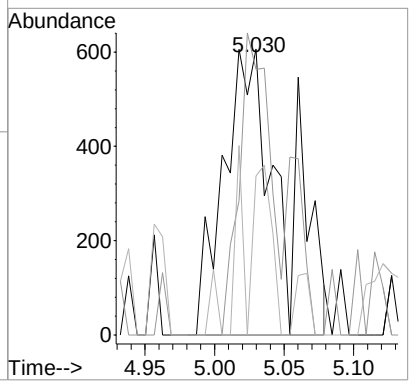


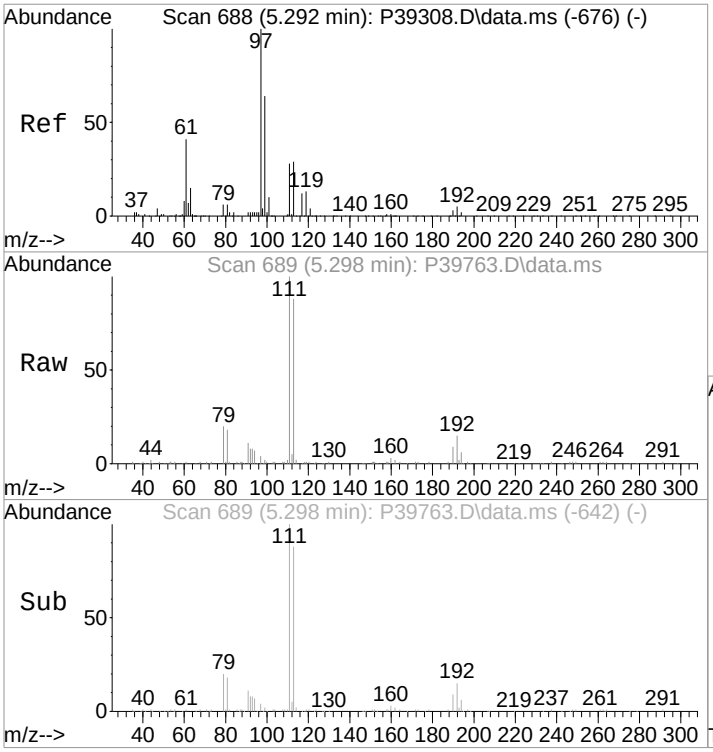


#40
Chloroform
Concen: 0.37 ppb m
RT: 5.030 min Scan# 645
Delta R.T. 0.006 min
Lab File: P39763.D
Acq: 18 Sep 2020 12:36 am

Tgt Ion: 83 Resp: 1816

Ion	Ratio	Lower	Upper
83	100		
85	92.8	42.0	82.0#
47	55.5	3.2	43.2#

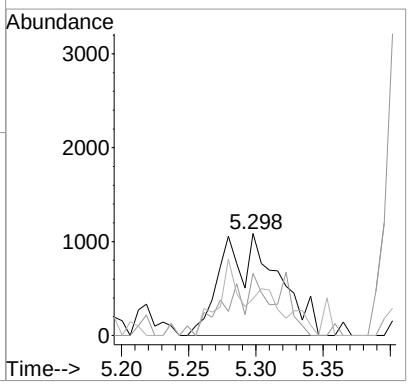


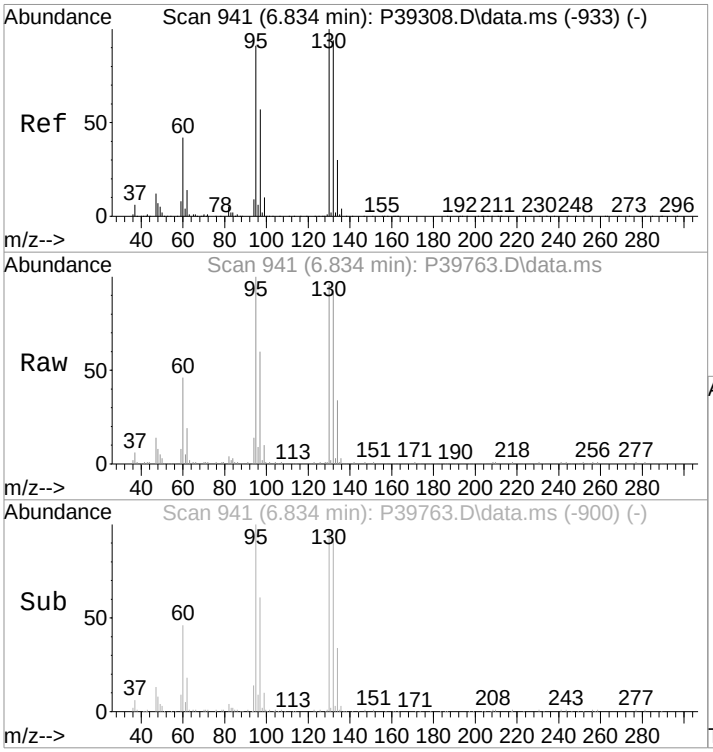


#41
1,1,1-Trichloroethane
Concen: 0.70 ppb m
RT: 5.298 min Scan# 689
Delta R.T. 0.006 min
Lab File: P39763.D
Acq: 18 Sep 2020 12:36 am

Tgt Ion: 97 Resp: 3121

Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.5	84.5
61	36.0	21.1	61.1

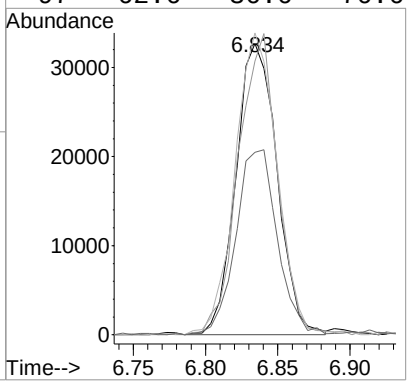




#54
Trichloroethene
Concen: 17.90 ppb
RT: 6.834 min Scan# 941
Delta R.T. 0.000 min
Lab File: P39763.D
Acq: 18 Sep 2020 12:36 am

Tgt Ion:130 Resp: 64507

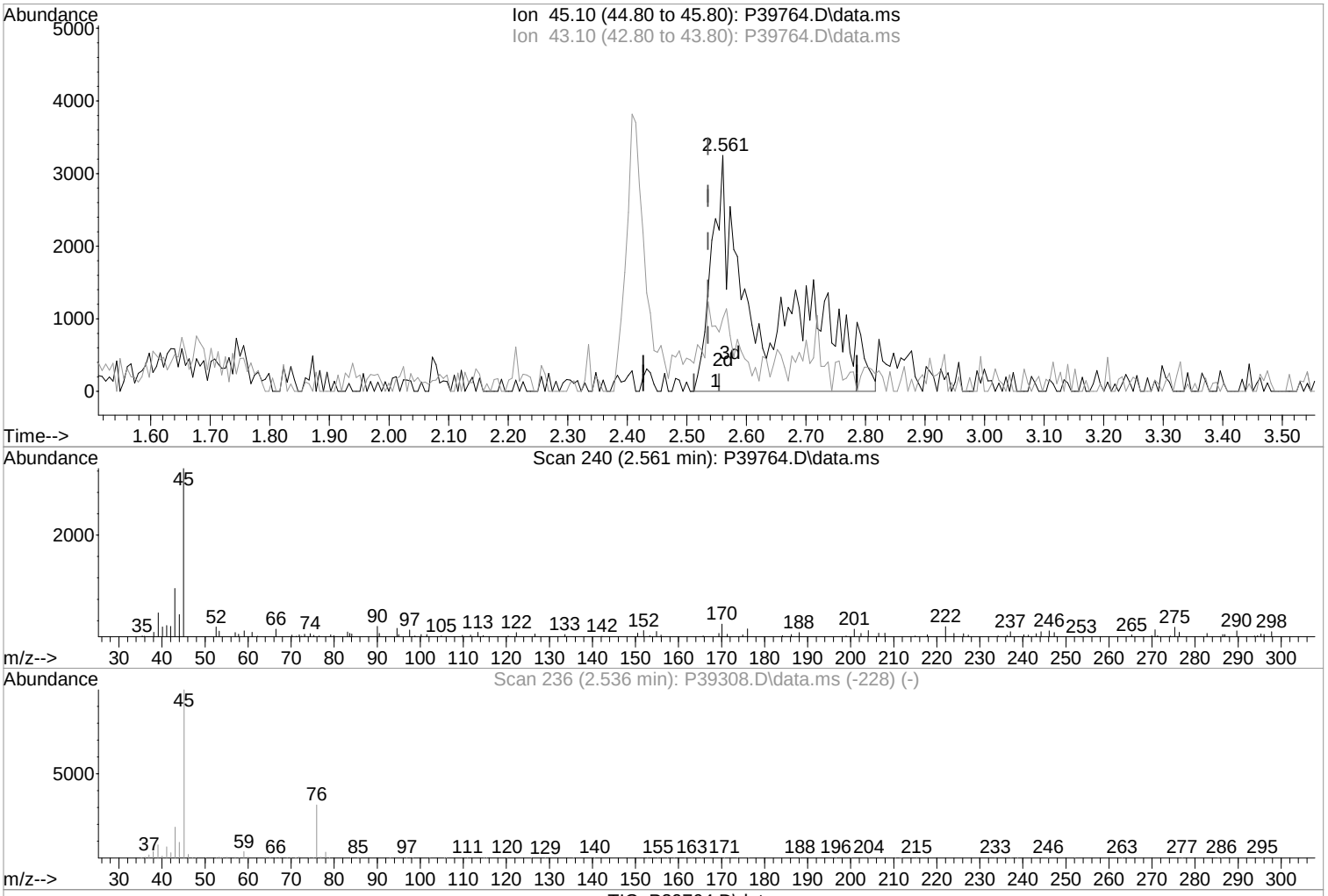
Ion	Ratio	Lower	Upper
130	100		
132	93.9	73.9	113.9
95	103.7	71.2	111.2
97	62.6	36.6	76.6



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39764.D
Acq On : 18 Sep 2020 12:58 am
Operator : K.Ruest
Sample : R2008511-007|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 18 10:43:21 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: P39764.D\data.ms

(16) 2-Propanol

2.561min (+0.024) 60.28 ppb m

response 19711

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	30.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

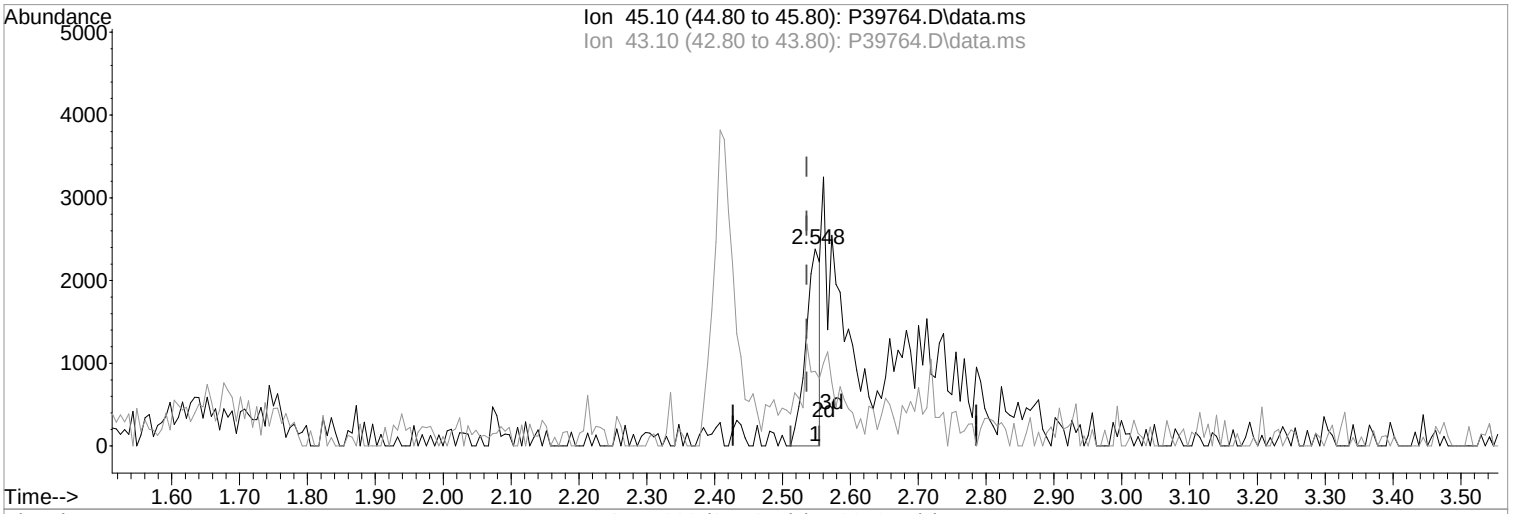
09/22/20

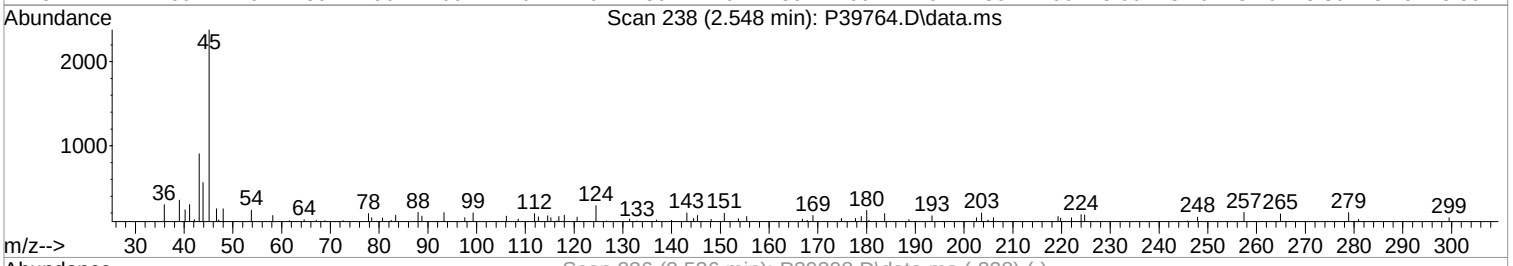
1st 09/22/20
2nd 09/22/20

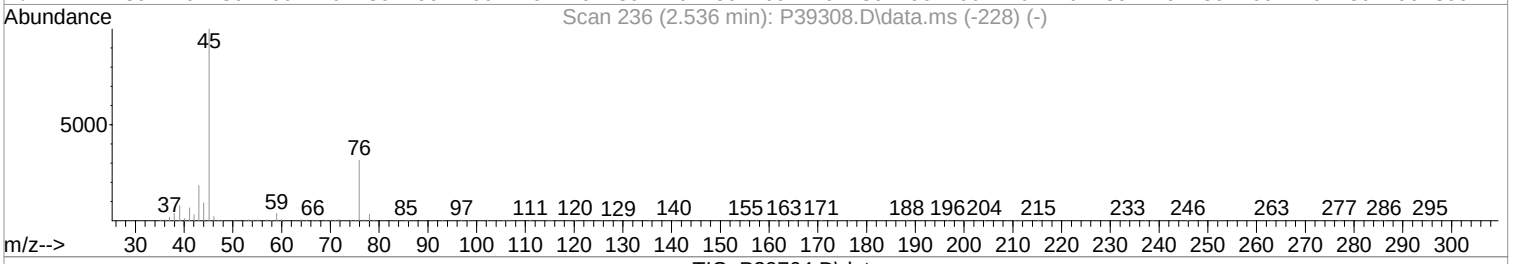
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39764.D
Acq On : 18 Sep 2020 12:58 am
Operator : K.Ruest
Sample : R2008511-007|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 18 10:43:21 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: P39764.D\data.ms

(16) 2-Propanol

2.548min (+0.012) 10.75 ppb

response 3515

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	38.00
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 : P39764.D
Acq On : 18 Sep 2020 12:58 am
Operator : K.Ruest
Sample : R2008511-007|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 22 13:58:47 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

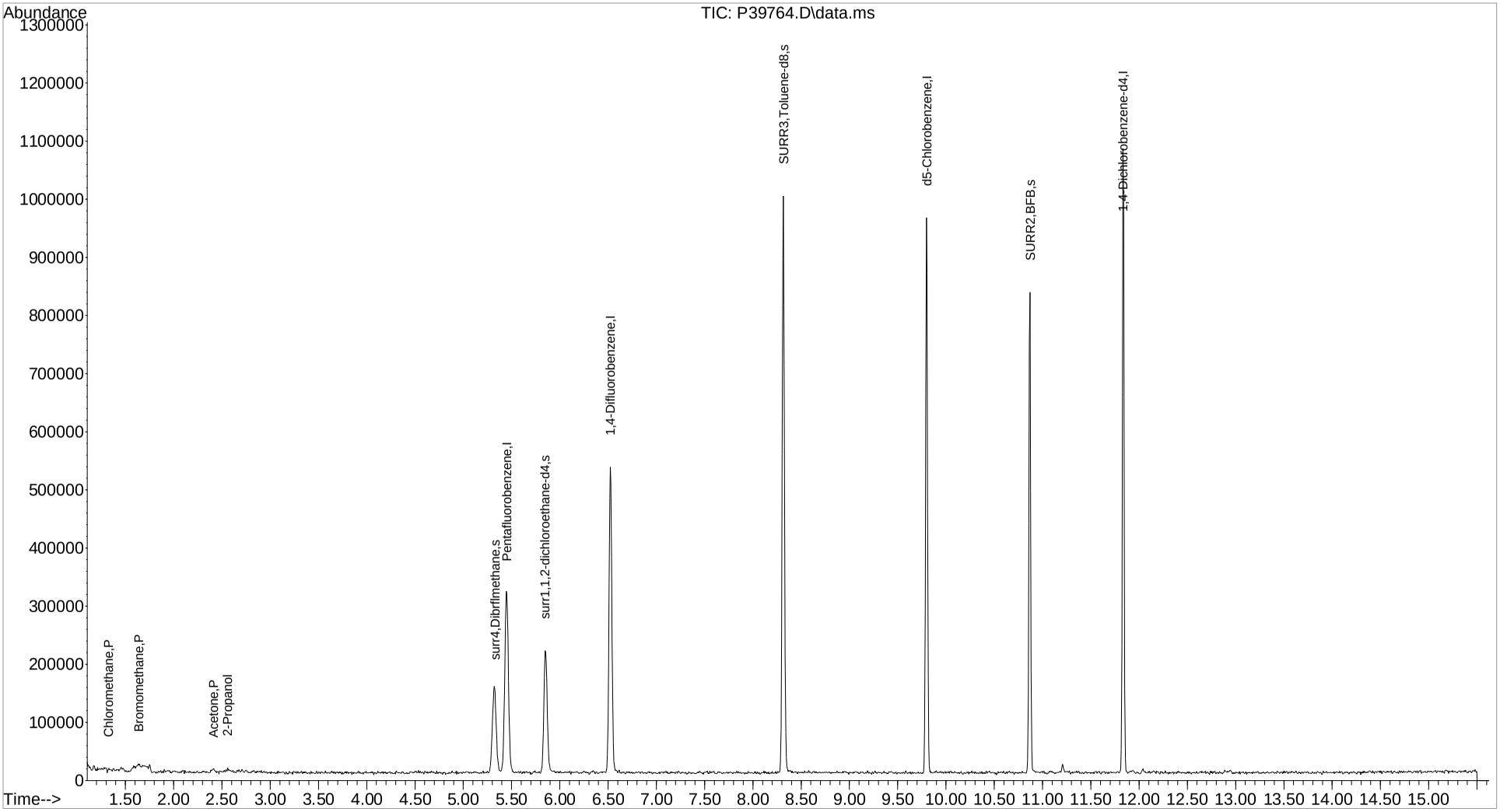
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	273188	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	468921	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	415815	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	202051	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.328	113	123837	44.99	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 89.98%				
48) surr1,1,2-dichloroetha...	5.847	65	187921	51.14	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.28%				
65) SURR3,Toluene-d8	8.316	98	612389	48.95	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.90%				
70) SURR2,BFB	10.870	95	222410	45.84	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.68%				
Target Compounds							Qvalue
3) Chloromethane	1.323	50	1688	0.45	ppb		85
5) Bromomethane	1.634	94	1941	0.22	ppb	#	64
15) Acetone	2.408	43	8371	6.37	ppb		96
16) 2-Propanol	2.561	45	19711m	60.28	ppb		

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

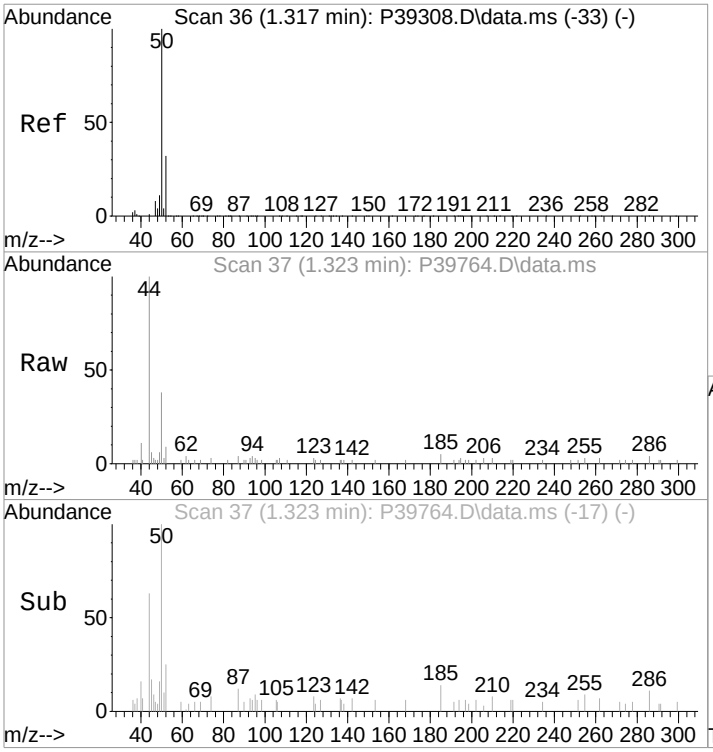
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39764.D
Acq On : 18 Sep 2020 12:58 am
Operator : K.Ruest
Sample : R2008511-007|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 22 13:58:47 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



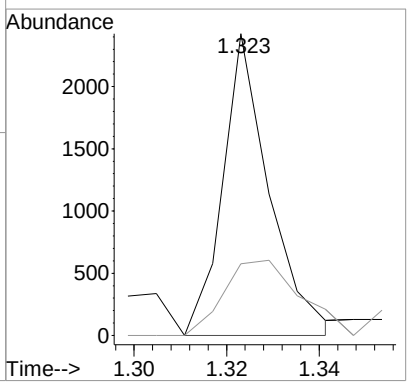
1st 09/22/20
2nd 09/22/20

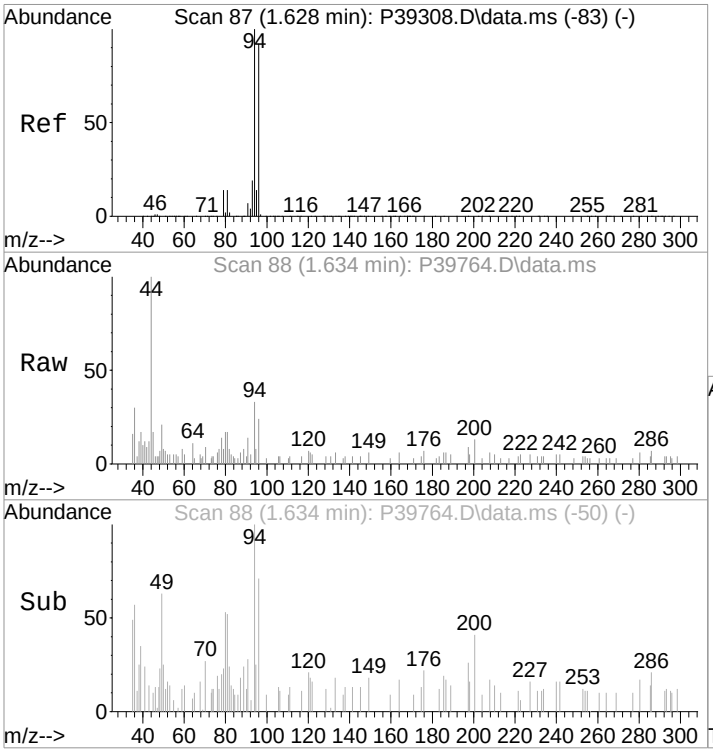


#3
Chloromethane
Concen: 0.45 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39764.D
Acq: 18 Sep 2020 12:58 am

Tgt Ion: 50 Resp: 1688

Ion	Ratio	Lower	Upper
50	100		
52	23.8	12.1	52.1

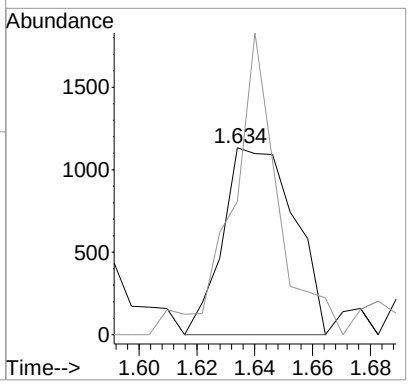


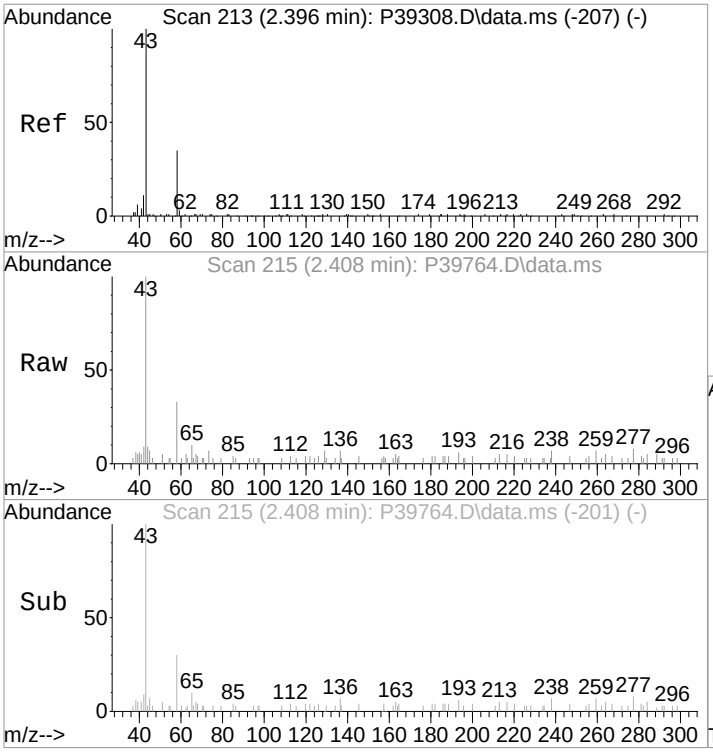


#5
Bromomethane
Concen: 0.22 ppb
RT: 1.634 min Scan# 88
Delta R.T. 0.007 min
Lab File: P39764.D
Acq: 18 Sep 2020 12:58 am

Tgt Ion: 94 Resp: 1941

Ion	Ratio	Lower	Upper
94	100		
96	57.0	71.6	111.6#

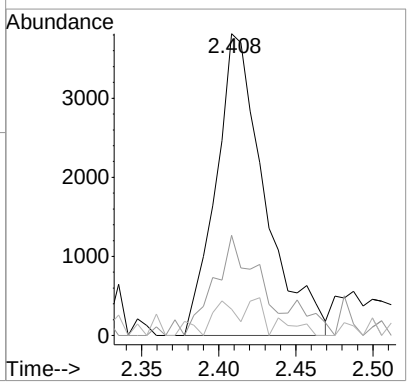


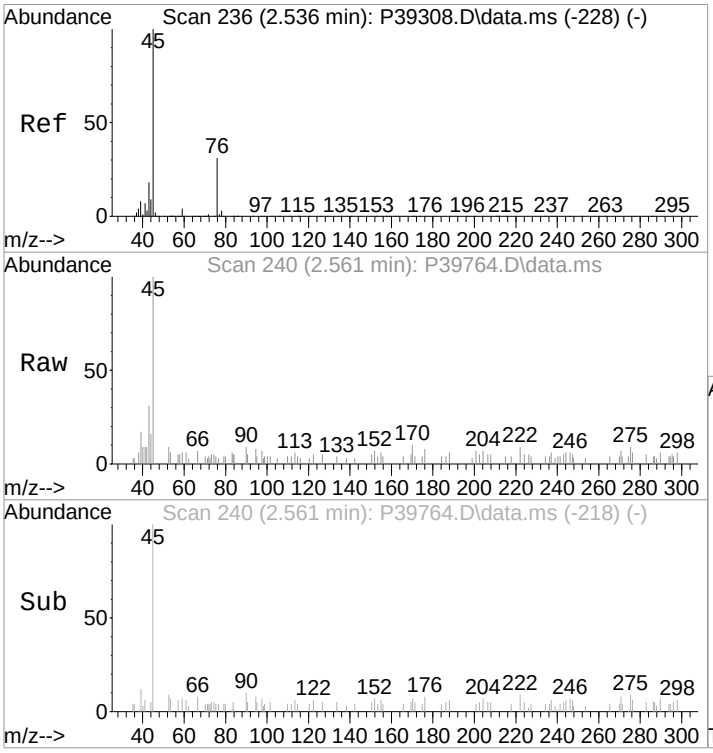


#15
Acetone
Concen: 6.37 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.012 min
Lab File: P39764.D
Acq: 18 Sep 2020 12:58 am

Tgt Ion: 43 Resp: 8371

Ion	Ratio	Lower	Upper
43	100		
58	33.2	14.8	54.8
42	8.7	0.0	31.4

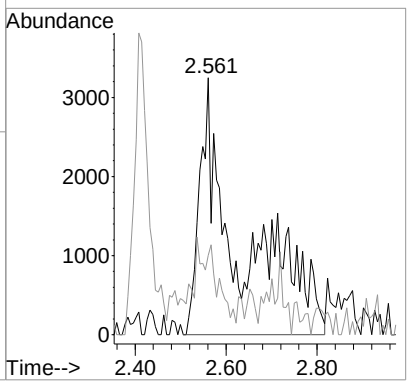




#16
2-Propanol
Concen: 60.28 ppb m
RT: 2.561 min Scan# 240
Delta R.T. 0.024 min
Lab File: P39764.D
Acq: 18 Sep 2020 12:58 am

Tgt Ion: 45 Resp: 19711

Ion	Ratio	Lower	Upper
45	100		
43	30.9	3.1	43.1

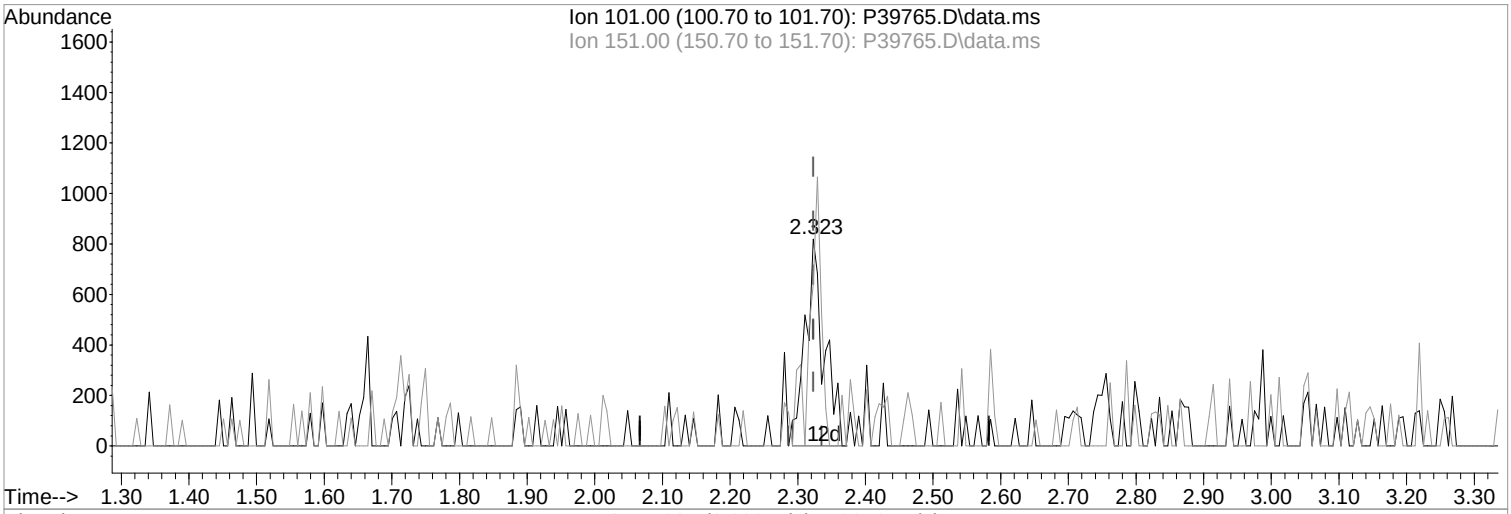


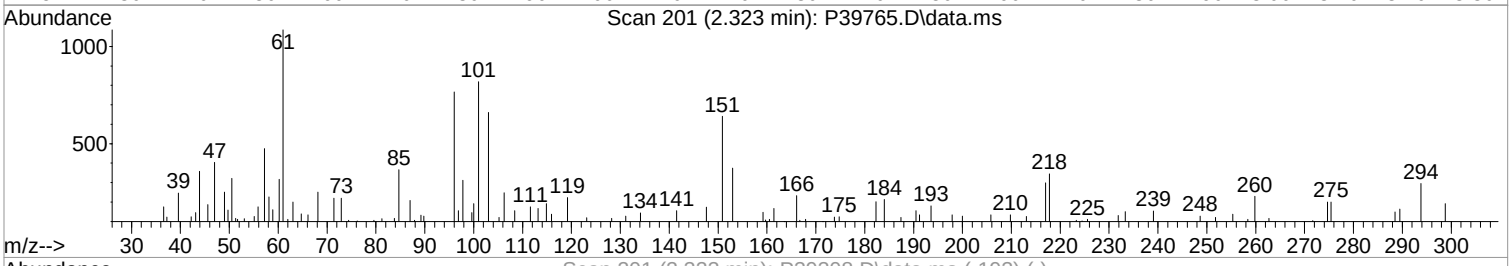
1st 09/22/20
2nd 09/22/20

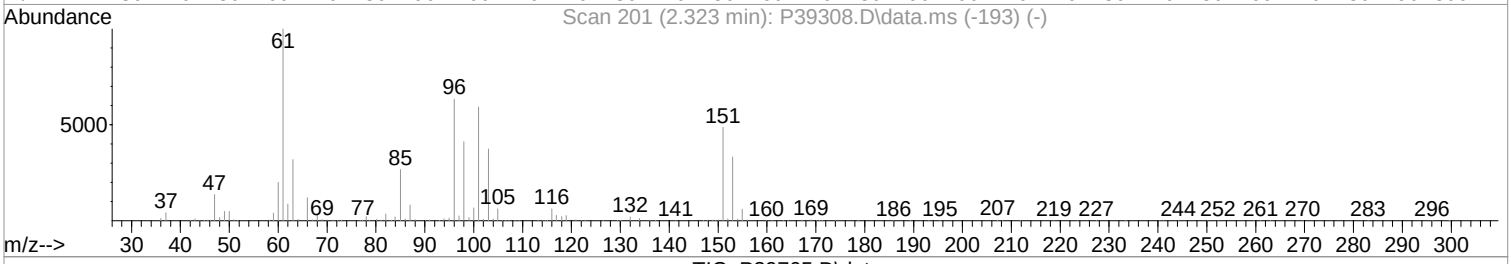
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39765.D
Acq On : 18 Sep 2020 1:20 am
Operator : K.Ruest
Sample : R2008511-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 18 10:43:38 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: P39765.D\data.ms

(14) Freon 113 (P)

2.323min (0.000) 0.66 ppb m

response 1549

Ion	Exp%	Act%
101.00	100	100
151.00	82.10	78.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

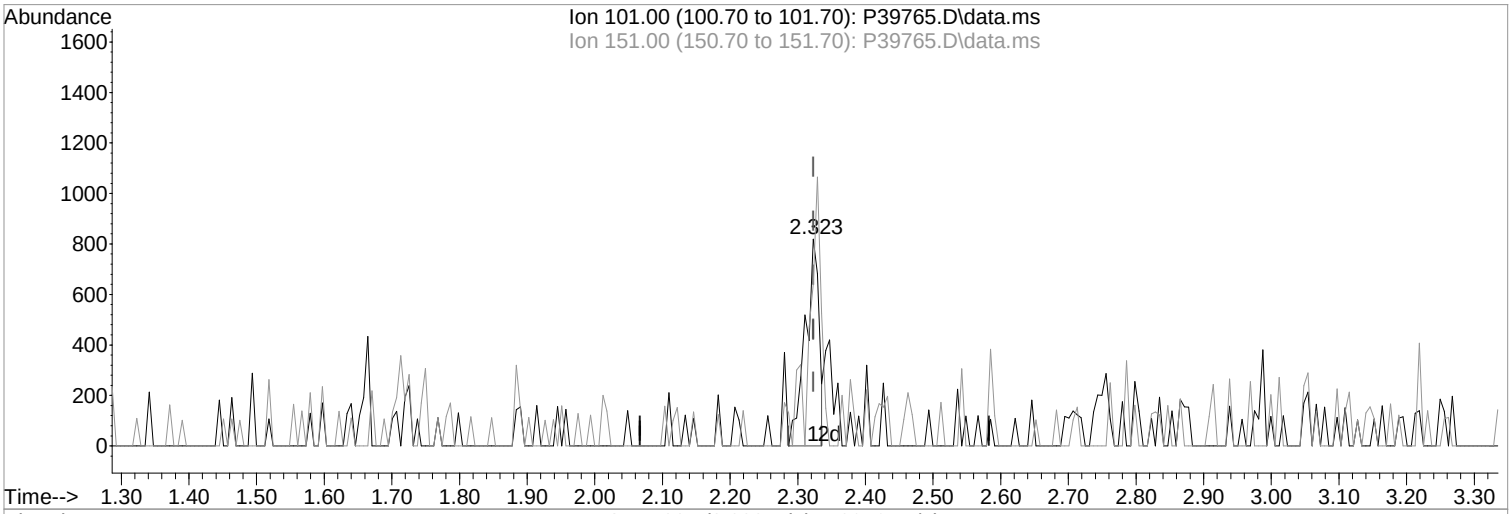
Split Peak

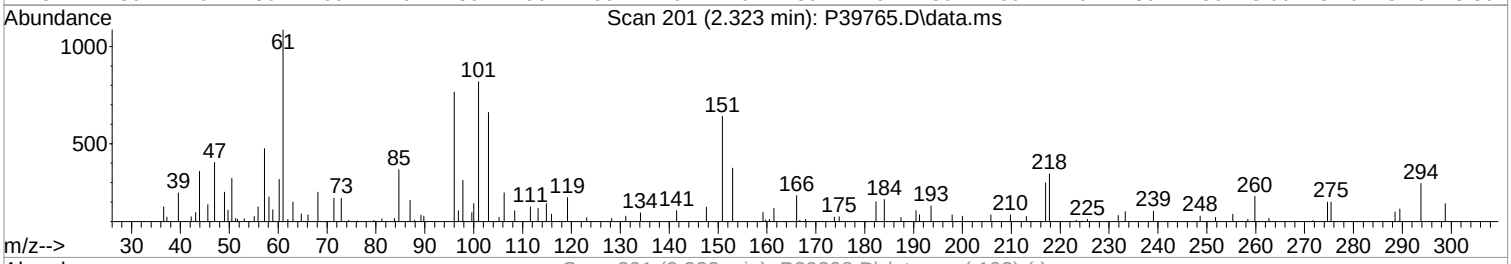
09/22/20

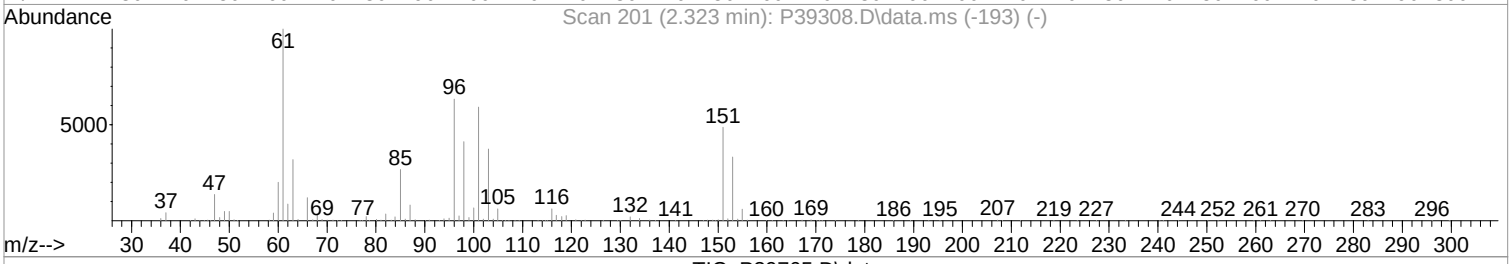
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39765.D
Acq On : 18 Sep 2020 1:20 am
Operator : K.Ruest
Sample : R2008511-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 18 10:43:38 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: P39765.D\data.ms

(14) Freon 113 (P)

2.323min (0.000) 0.49 ppb

response 1158

Ion	Exp%	Act%
101.00	100	100
151.00	82.10	78.27
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 : P39765.D
Acq On : 18 Sep 2020 1:20 am
Operator : K.Ruest
Sample : R2008511-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 22 14:01:04 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

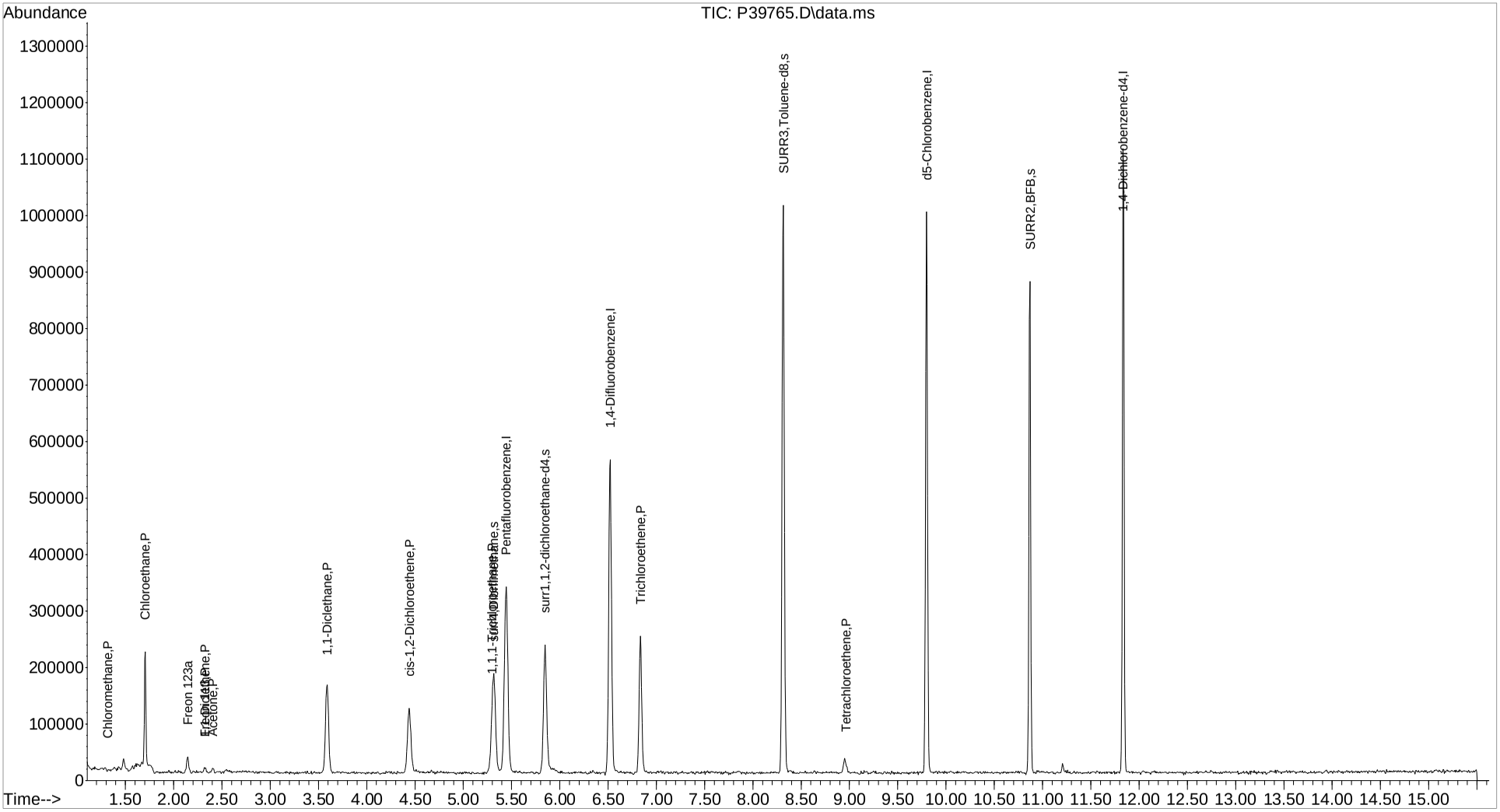
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	283675	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	486655	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	434382	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	214580	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	129733	45.41	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 90.82%				
48) surr1,1,2-dichloroetha...	5.847	65	188520	49.43	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 98.86%				
65) SURR3,Toluene-d8	8.316	98	644368	49.63	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.26%				
70) SURR2,BFB	10.870	95	229934	45.66	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 91.32%				
Target Compounds							Qvalue
3) Chloromethane	1.317	50	1191	0.31	ppb		70
6) Chloroethane	1.707	64	109996	31.93	ppb		96
10) Freon 123a	2.146	67	10401	3.40	ppb		81
13) 1,1-Diclethene	2.323	96	633	0.30	ppb	#	82
14) Freon 113	2.323	101	1549m	0.66	ppb		
15) Acetone	2.402	43	8488	6.22	ppb		86
28) 1,1-Diclethane	3.585	63	176485	38.05	ppb		99
34) cis-1,2-Dichloroethene	4.438	96	66064	22.53	ppb		94
41) 1,1,1-Trichloroethane	5.298	97	20692	4.71	ppb		96
54) Trichloroethene	6.834	130	78726	21.67	ppb		92
72) Tetrachloroethene	8.962	164	1622	0.61	ppb	#	64

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

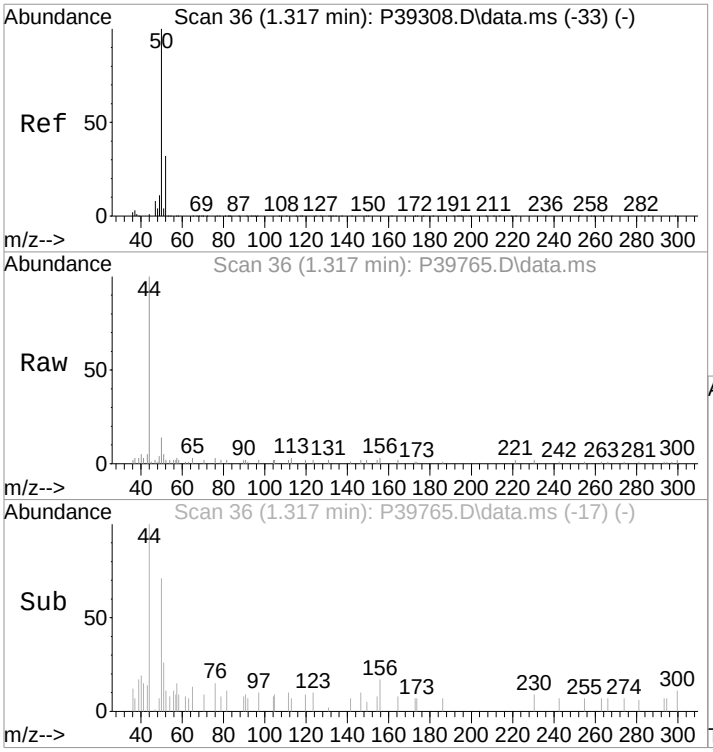
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39765.D
Acq On : 18 Sep 2020 1:20 am
Operator : K.Ruest
Sample : R2008511-008|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 22 14:01:04 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



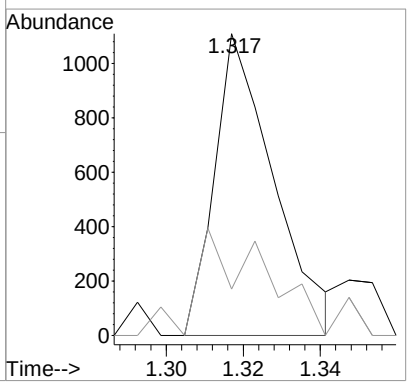
1st 09/22/20
2nd 09/22/20

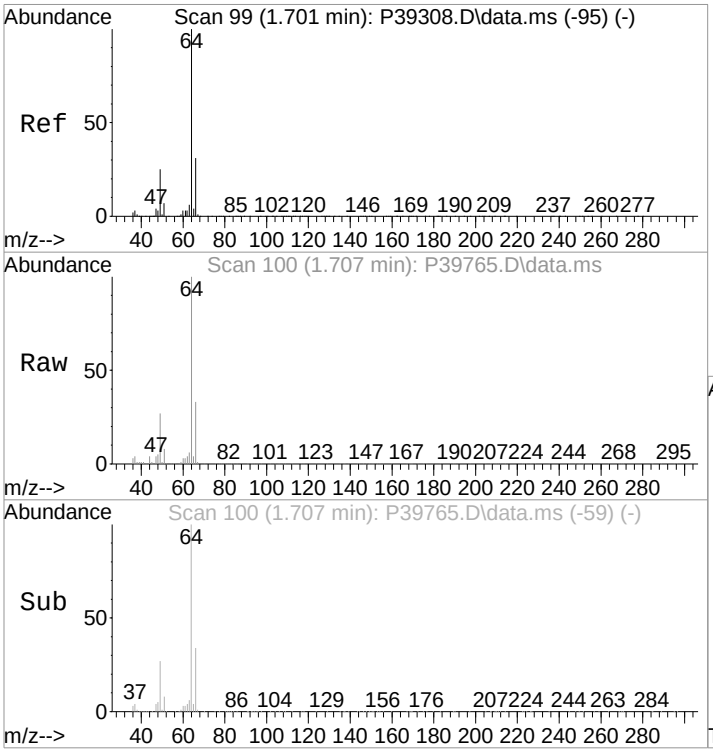


#3
Chloromethane
Concen: 0.31 ppb
RT: 1.317 min Scan# 36
Delta R.T. 0.000 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion: 50 Resp: 1191

Ion	Ratio	Lower	Upper
50	100		
52	15.4	12.1	52.1

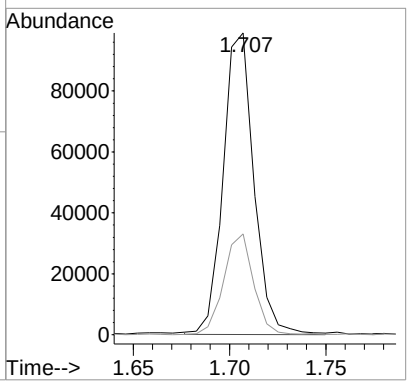


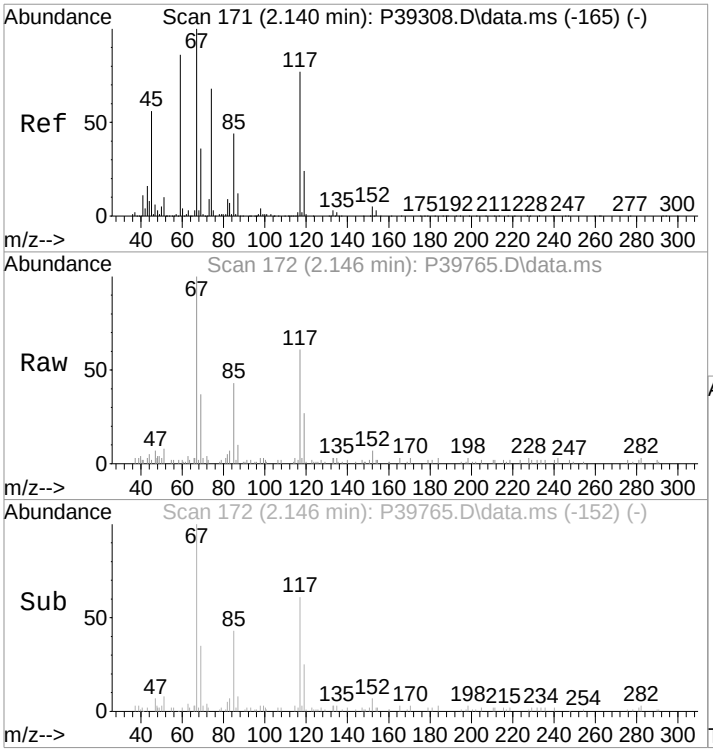


#6
Chloroethane
Concen: 31.93 ppb
RT: 1.707 min Scan# 100
Delta R.T. 0.006 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion: 64 Resp: 109996

Ion	Ratio	Lower	Upper
64	100		
66	33.4	11.3	51.3

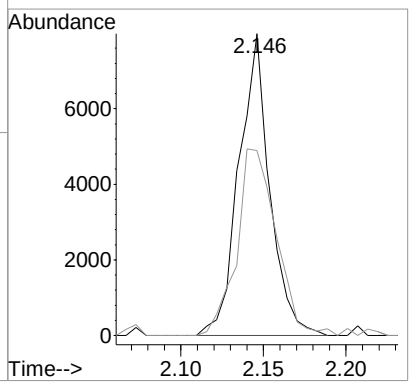


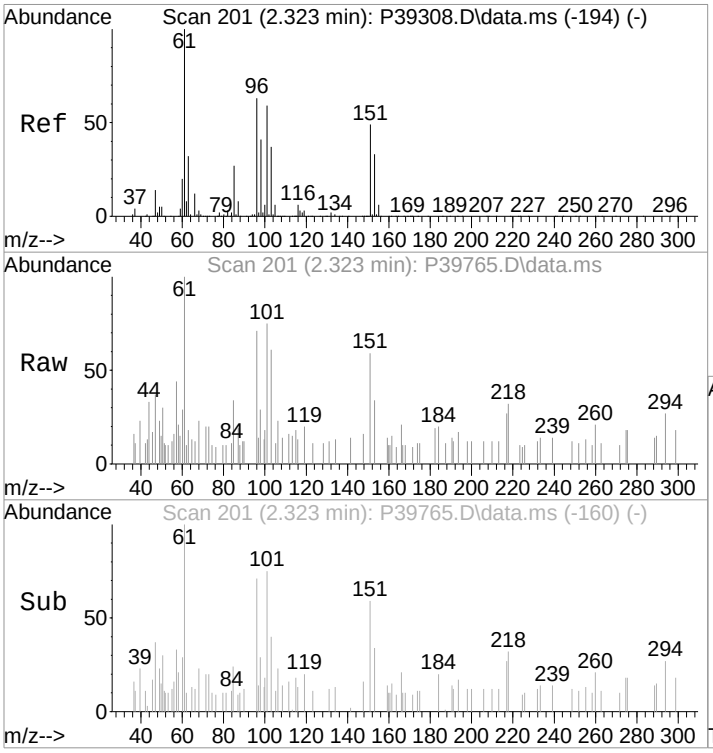


#10
Freon 123a
Concen: 3.40 ppb
RT: 2.146 min Scan# 172
Delta R.T. 0.006 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion: 67 Resp: 10401

Ion	Ratio	Lower	Upper
67	100		
117	61.3	57.5	97.5

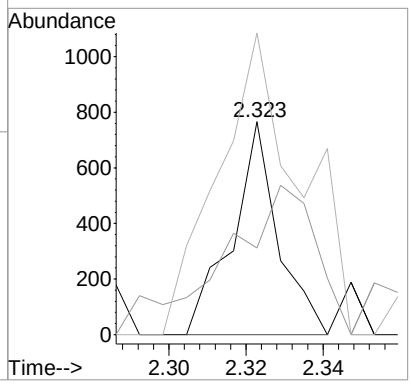


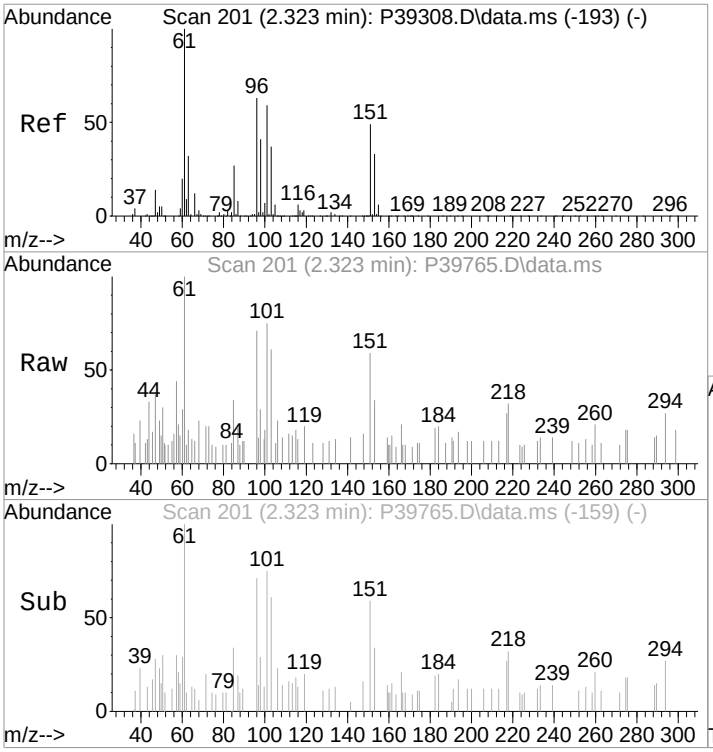


#13
1,1-Diclethene
Concen: 0.30 ppb
RT: 2.323 min Scan# 201
Delta R.T. 0.000 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion: 96 Resp: 633

Ion	Ratio	Lower	Upper
96	100		
98	40.7	44.9	84.9#
61	141.8	137.7	177.7

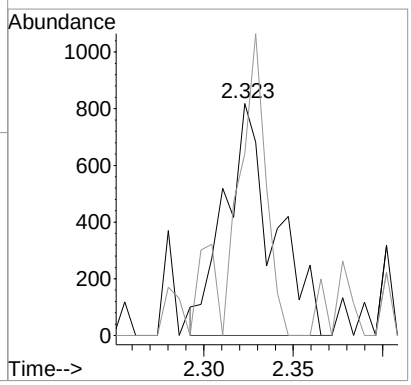


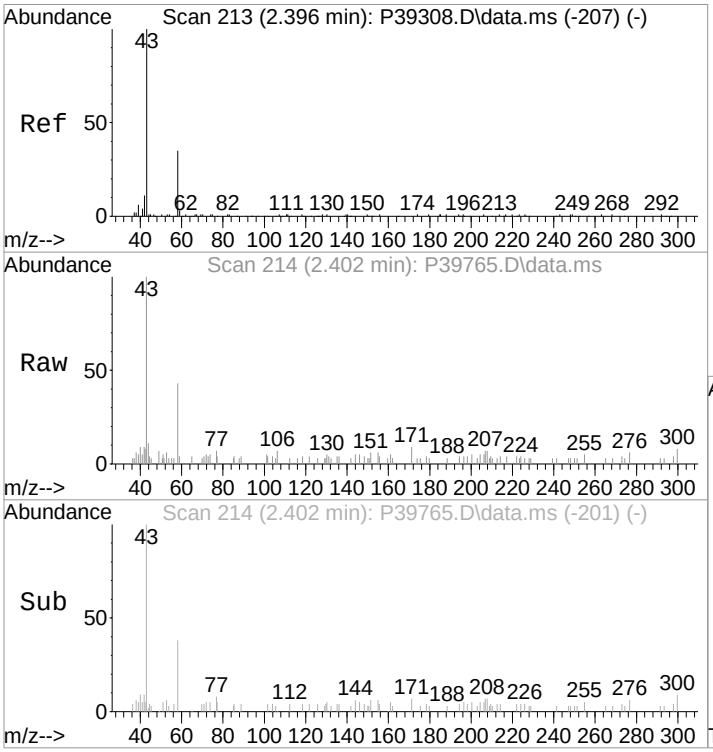


#14
Freon 113
Concen: 0.66 ppb m
RT: 2.323 min Scan# 201
Delta R.T. 0.000 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion:101 Resp: 1549

Ion	Ratio	Lower	Upper
101	100		
151	78.3	62.1	102.1

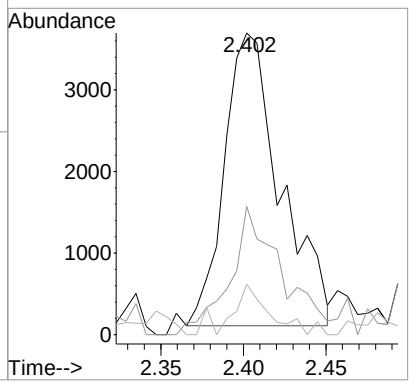


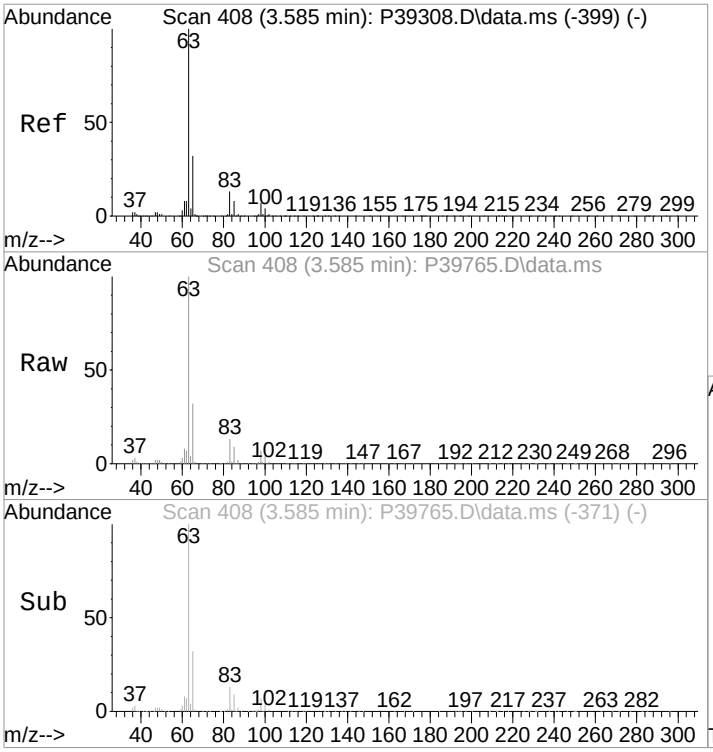


#15
Acetone
Concen: 6.22 ppb
RT: 2.402 min Scan# 214
Delta R.T. 0.006 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion: 43 Resp: 8488

Ion	Ratio	Lower	Upper
43	100		
58	42.5	14.8	54.8
42	16.8	0.0	31.4

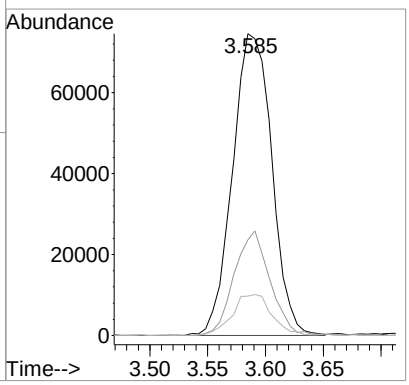


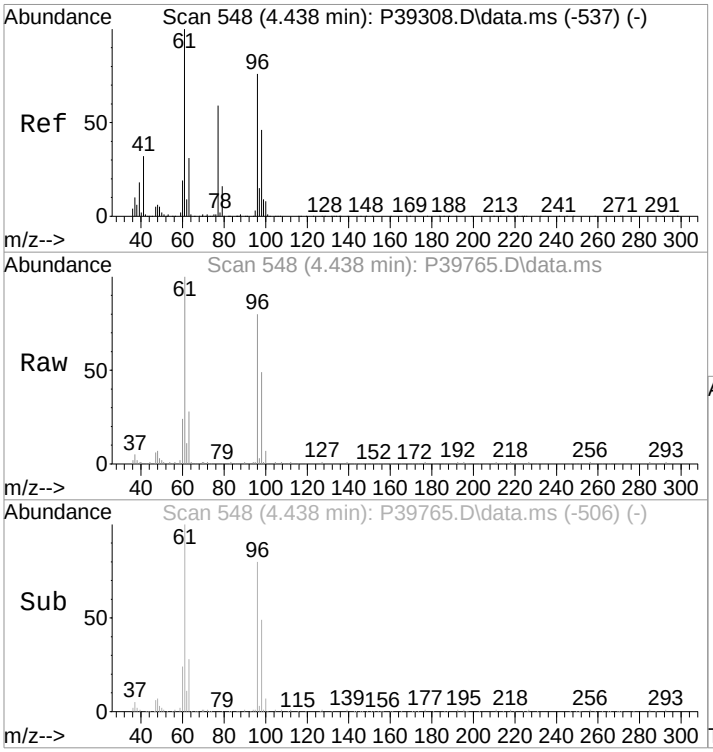


#28
1,1-Diclethane
Concen: 38.05 ppb
RT: 3.585 min Scan# 408
Delta R.T. 0.000 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion: 63 Resp: 176485

Ion	Ratio	Lower	Upper
63	100		
65	31.7	12.4	52.4
83	13.0	0.0	32.6

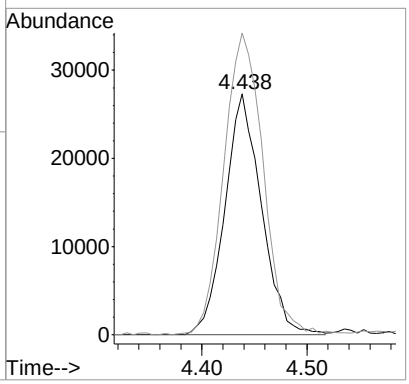


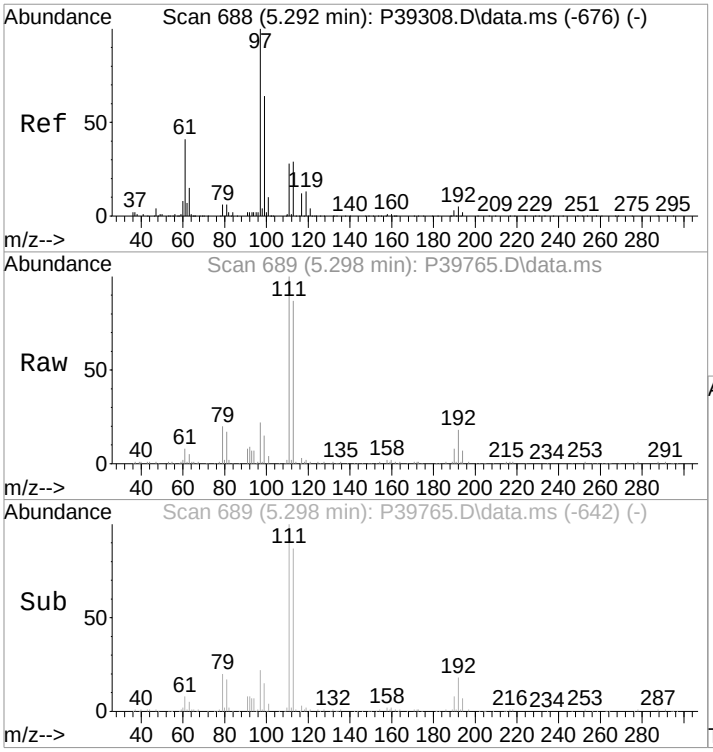


#34
cis-1,2-Dichloroethene
Concen: 22.53 ppb
RT: 4.438 min Scan# 548
Delta R.T. 0.000 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion: 96 Resp: 66064

Ion	Ratio	Lower	Upper
96	100		
61	125.3	112.7	152.7

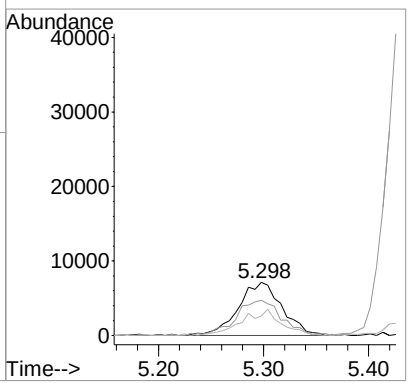


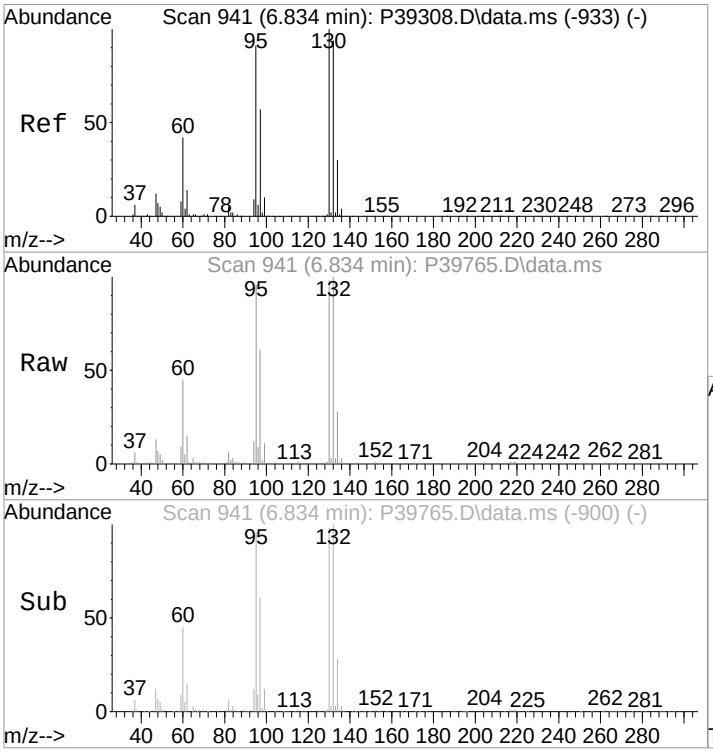


#41
1,1,1-Trichloroethane
Concen: 4.71 ppb
RT: 5.298 min Scan# 689
Delta R.T. 0.006 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion: 97 Resp: 20692

Ion	Ratio	Lower	Upper
97	100		
99	66.6	44.5	84.5
61	37.1	21.1	61.1

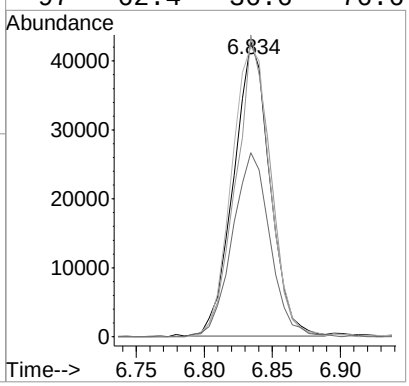


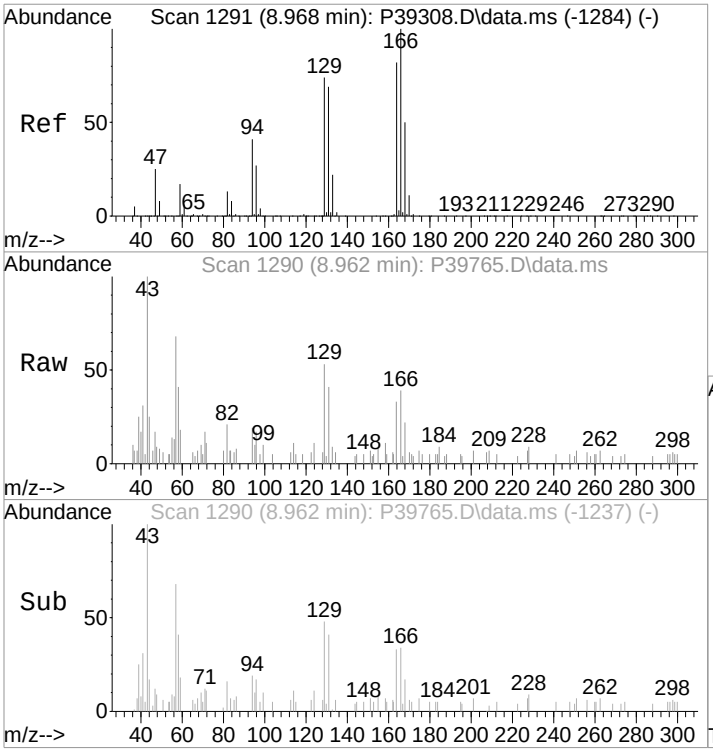


#54
Trichloroethene
Concen: 21.67 ppb
RT: 6.834 min Scan# 941
Delta R.T. 0.000 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion:130 Resp: 78726

Ion	Ratio	Lower	Upper
130	100		
132	102.4	73.9	113.9
95	98.4	71.2	111.2
97	62.4	36.6	76.6

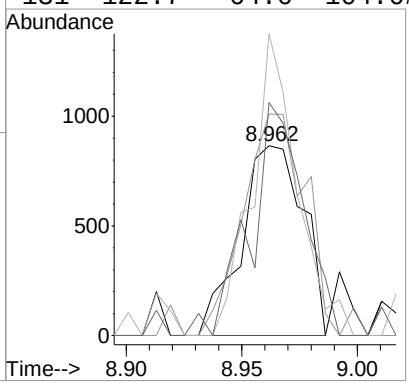




#72
Tetrachloroethene
Concen: 0.61 ppb
RT: 8.962 min Scan# 1290
Delta R.T. -0.006 min
Lab File: P39765.D
Acq: 18 Sep 2020 1:20 am

Tgt Ion:164 Resp: 1622

Ion	Ratio	Lower	Upper
164	100		
166	116.6	102.0	142.0
129	159.0	70.7	110.7#
131	122.7	64.6	104.6#

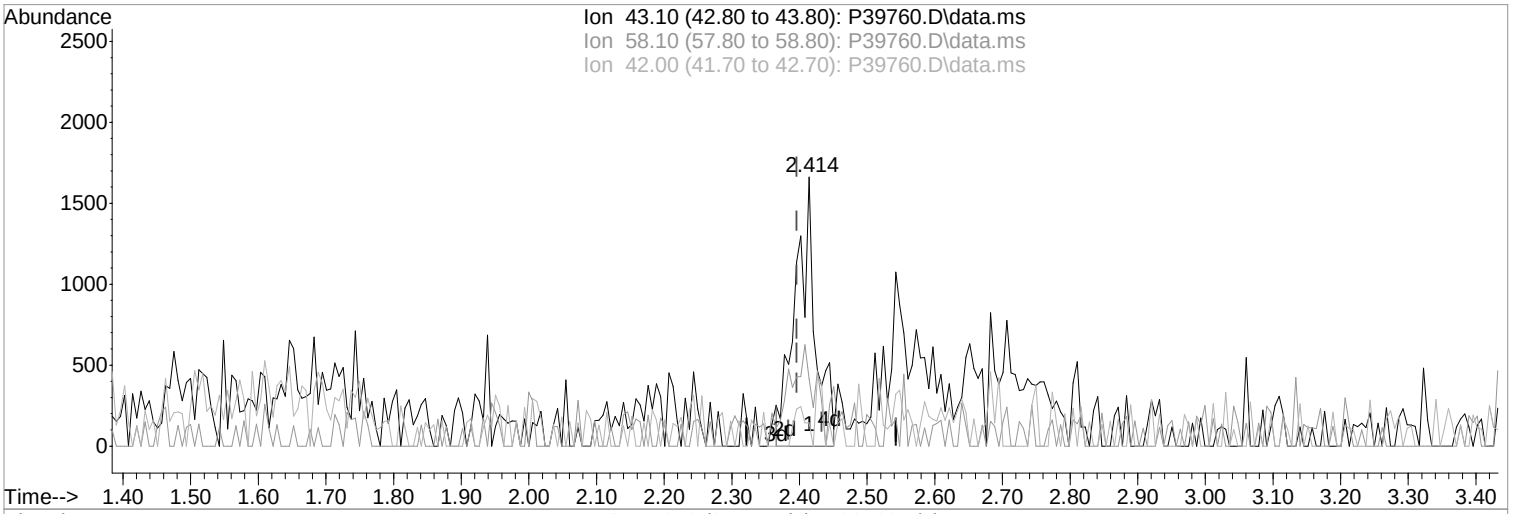


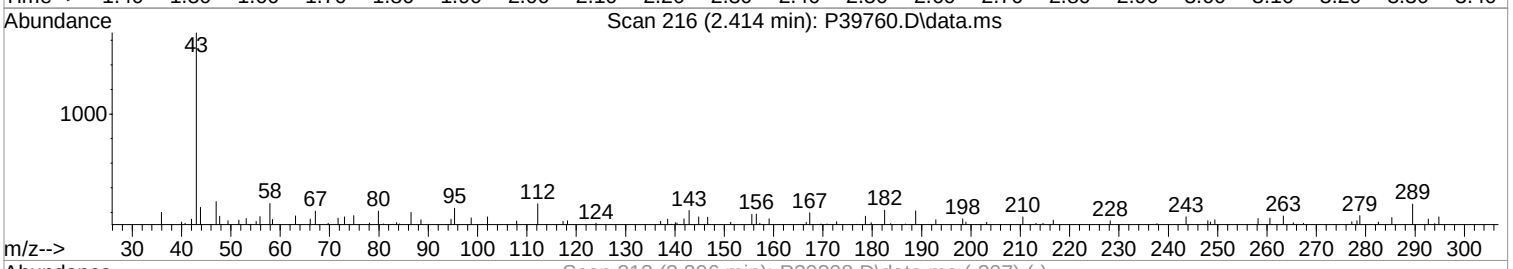
1st 09/22/20
2nd 09/22/20

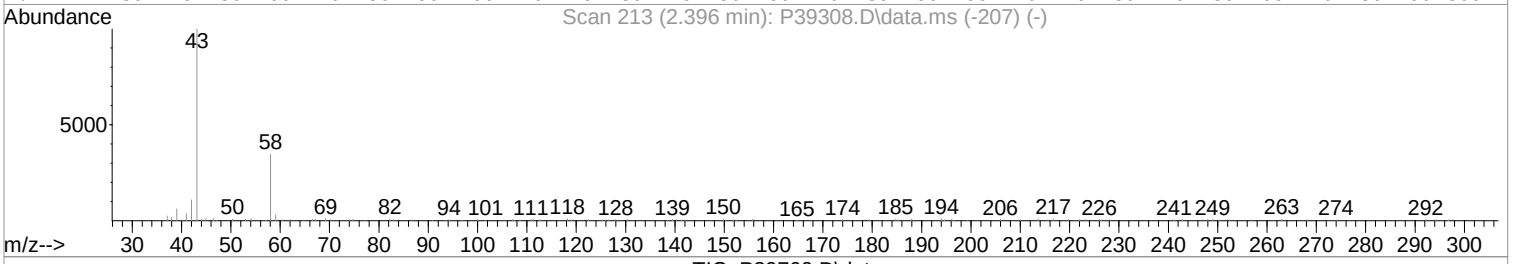
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39760.D
Acq On : 17 Sep 2020 11:31 pm
Operator : K.Ruest
Sample : R2008511-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 18 10:42:19 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: P39760.D\data.ms

(15) Acetone (P)

2.414min (+0.018) 2.50 ppb m

response 3441

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	16.43
42.00	11.40	8.60
0.00	0.00	0.00

Manual Integration:

After

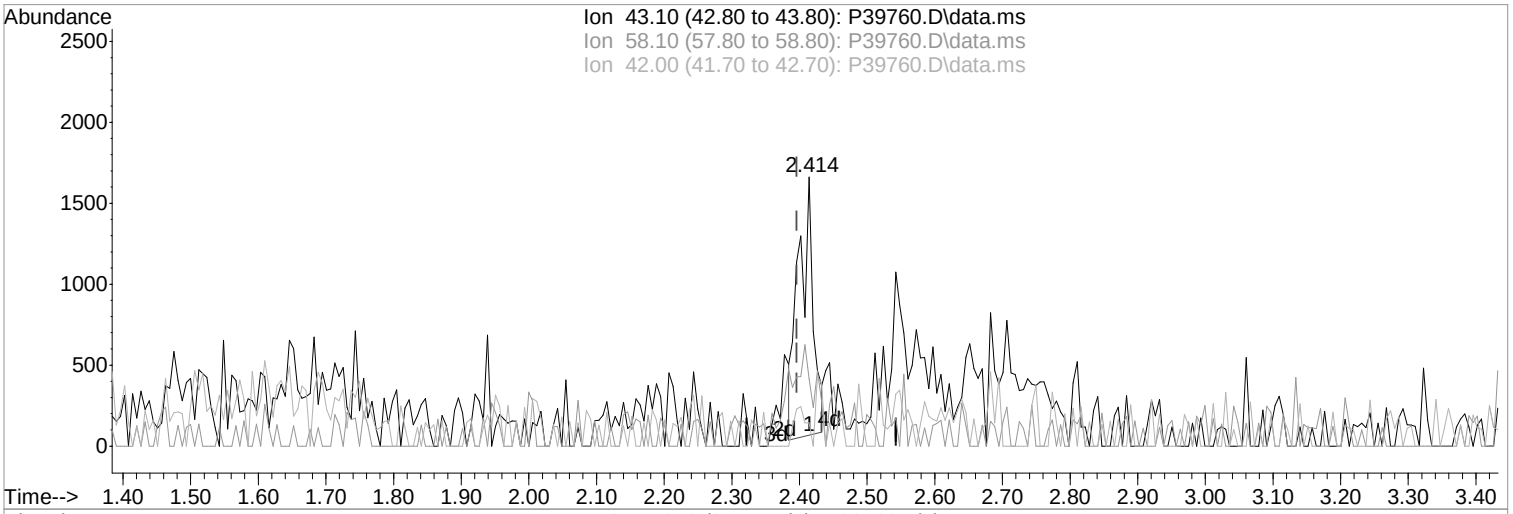
Poor integration.

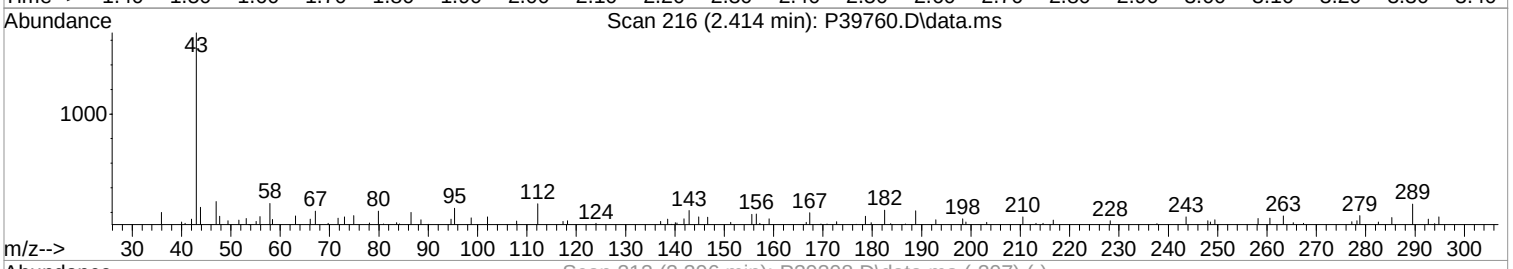
09/22/20

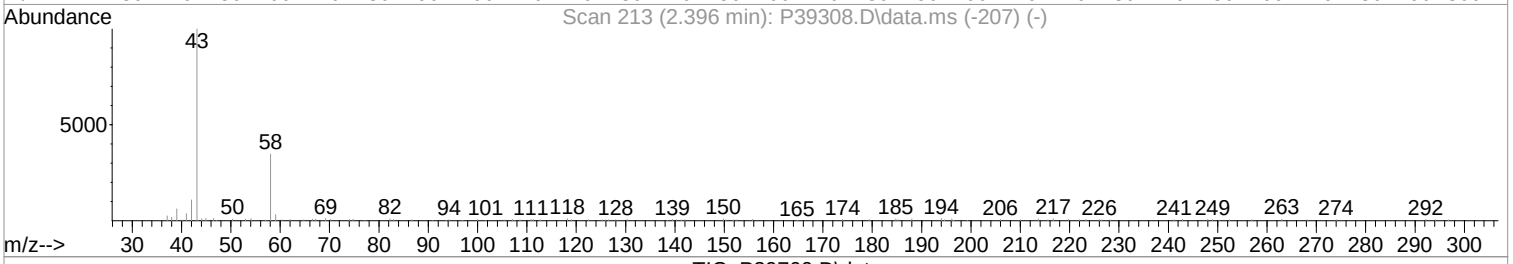
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39760.D
Acq On : 17 Sep 2020 11:31 pm
Operator : K.Ruest
Sample : R2008511-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 18 10:42:19 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: P39760.D\data.ms

(15) Acetone (P)

2.414min (+0.018) 1.75 ppb

response 2411

Ion	Exp%	Act%
43.10	100	100
58.10	34.80	21.76
42.00	11.40	7.51
0.00	0.00	0.00

Manual Integration:

Before

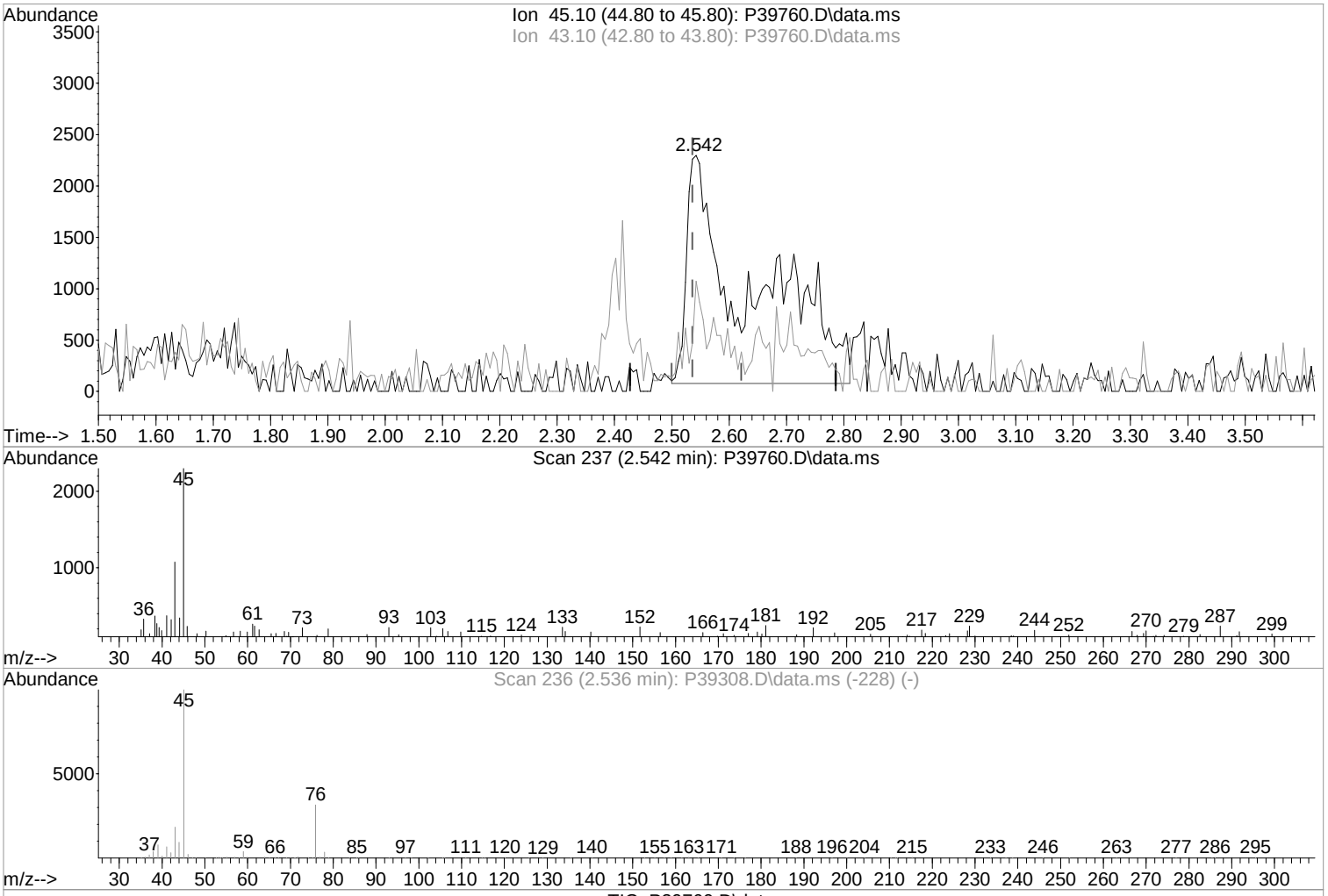
09/22/20

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

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39760.D
Acq On : 17 Sep 2020 11:31 pm
Operator : K.Ruest
Sample : R2008511-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 18 10:42:19 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: P39760.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 49.31 ppb m

response 16875

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	46.74#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

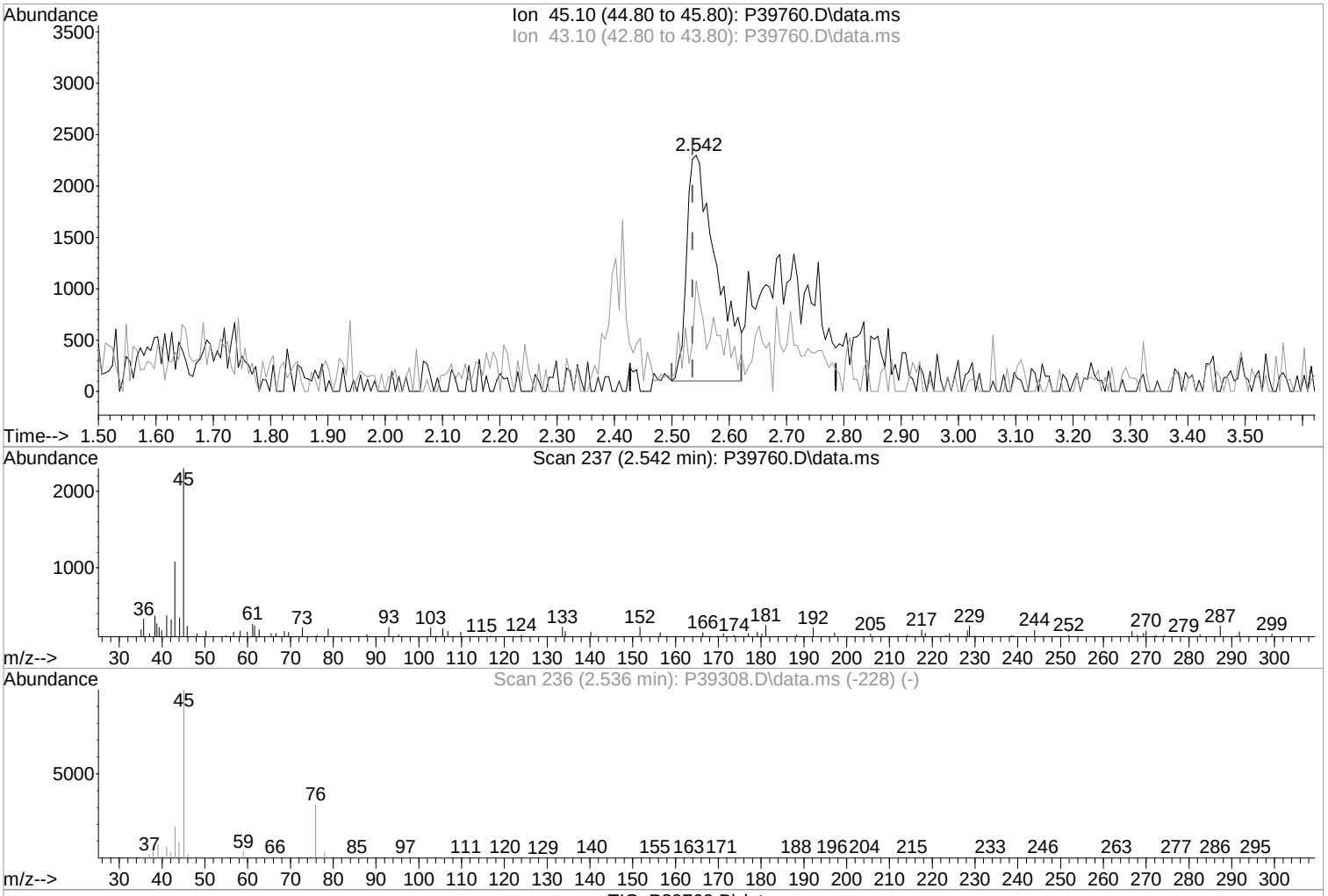
09/22/20

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

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39760.D
Acq On : 17 Sep 2020 11:31 pm
Operator : K.Ruest
Sample : R2008511-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 18 10:42:19 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: P39760.D\data.ms

(16) 2-Propanol

2.542min (+0.006) 23.23 ppb

response 7952

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	46.74#
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 : P39760.D
Acq On : 17 Sep 2020 11:31 pm
Operator : K.Ruest
Sample : R2008511-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 22 13:00:50 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

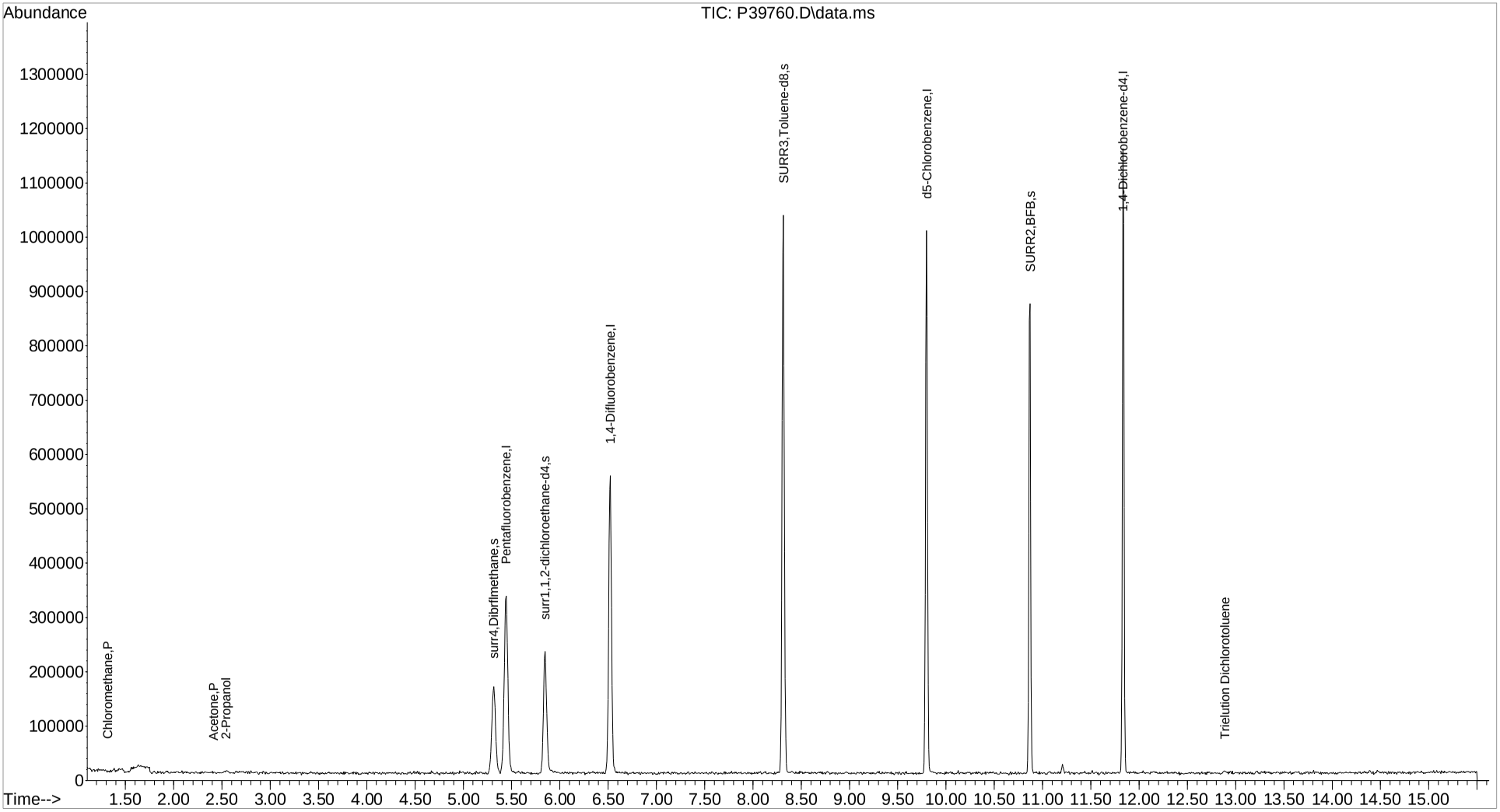
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	285943	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	479726	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	441148	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	213592	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.310	113	131867	46.83	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.66%			
48) surr1,1,2-dichloroetha...	5.846	65	191855	51.04	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.08%			
65) SURR3,Toluene-d8	8.315	98	629477	49.18	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.36%			
70) SURR2,BFB	10.870	95	231324	46.60	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.20%			
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1577	0.40	ppb #	58
15) Acetone	2.414	43	3441m	2.50	ppb	
16) 2-Propanol	2.542	45	16875m	49.31	ppb	
39) Tetrahydrofuran	5.005	42	819	Below Cal		93
112) Trielution Dichlorotol...	12.888	125	1967	0.30	ppb #	86

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

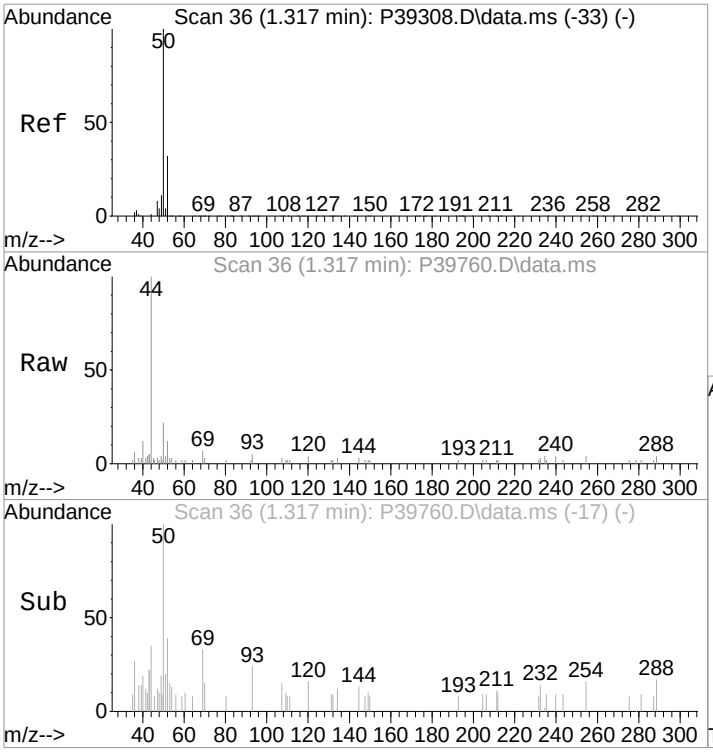
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39760.D
Acq On : 17 Sep 2020 11:31 pm
Operator : K.Ruest
Sample : R2008511-009|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 22 13:00:50 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



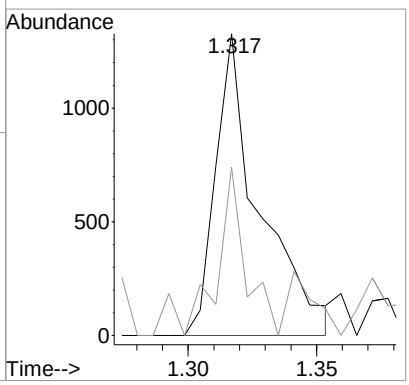
1st 09/22/20
2nd 09/22/20

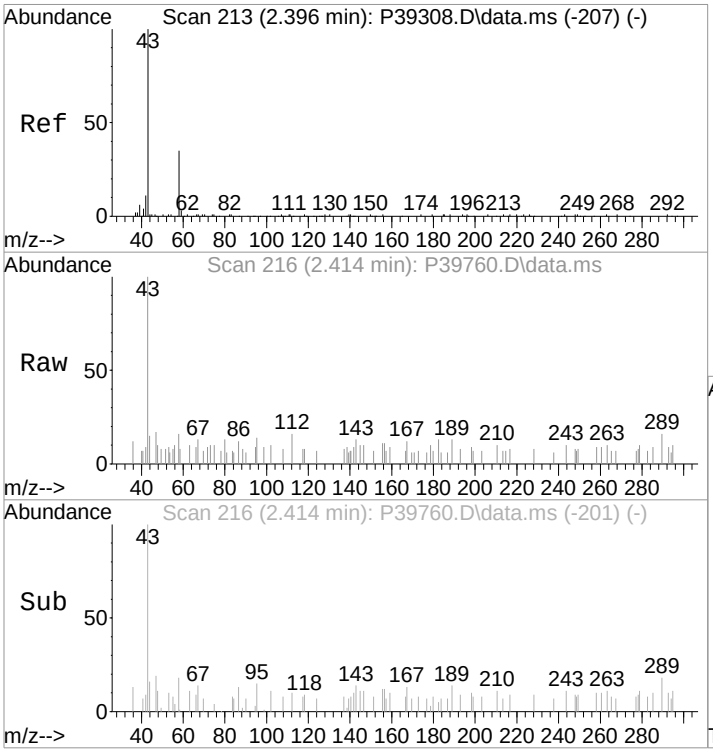


#3
Chloromethane
Concen: 0.40 ppb
RT: 1.317 min Scan# 36
Delta R.T. -0.000 min
Lab File: P39760.D
Acq: 17 Sep 2020 11:31 pm

Tgt Ion: 50 Resp: 1577

Ion	Ratio	Lower	Upper
50	100		
52	55.7	12.1	52.1#

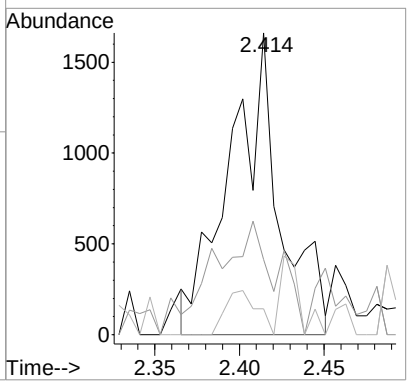


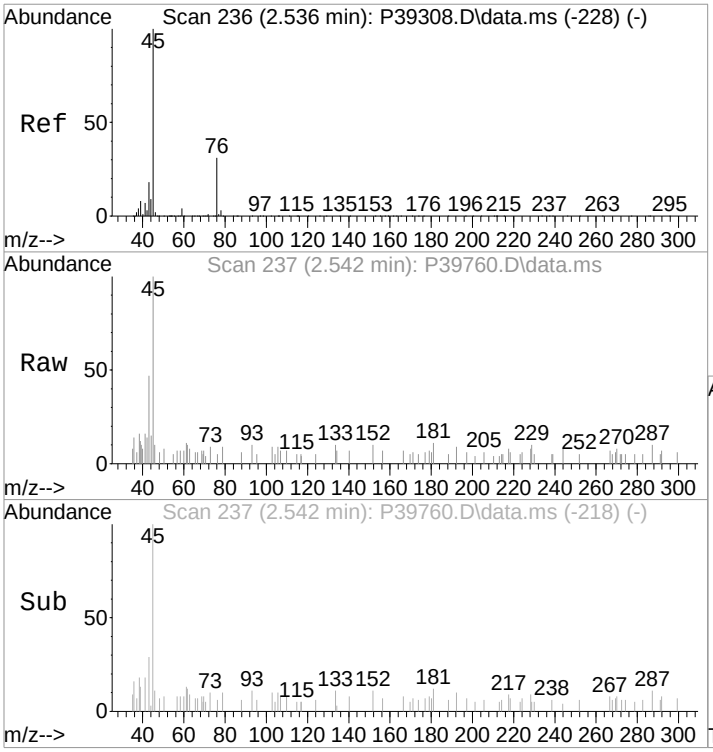


#15
Acetone
Concen: 2.50 ppb m
RT: 2.414 min Scan# 216
Delta R.T. 0.018 min
Lab File: P39760.D
Acq: 17 Sep 2020 11:31 pm

Tgt Ion: 43 Resp: 3441

Ion	Ratio	Lower	Upper
43	100		
58	16.4	14.8	54.8
42	8.6	0.0	31.4

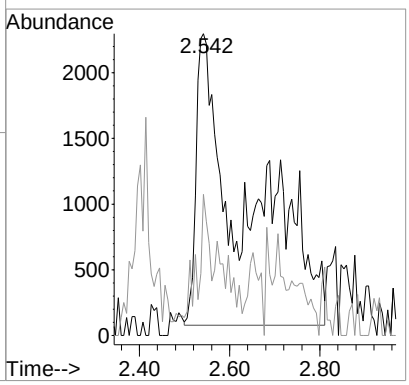


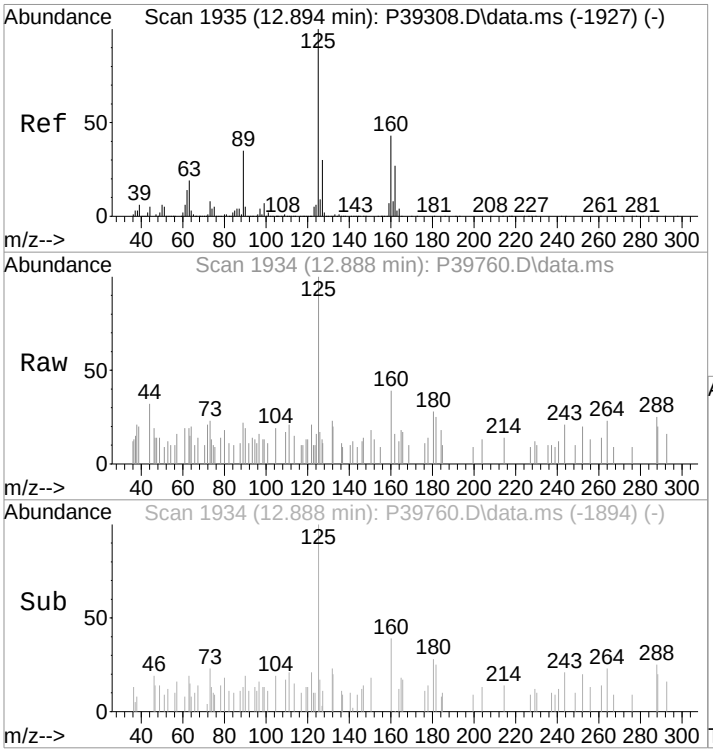


#16
2-Propanol
Concen: 49.31 ppb m
RT: 2.542 min Scan# 237
Delta R.T. 0.006 min
Lab File: P39760.D
Acq: 17 Sep 2020 11:31 pm

Tgt Ion: 45 Resp: 16875

Ion	Ratio	Lower	Upper
45	100		
43	46.7	3.1	43.1#

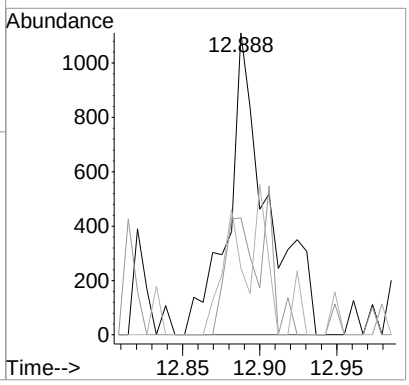




#112
Trielution Dichlorotoluene
Concen: 0.30 ppb
RT: 12.888 min Scan# 1934
Delta R.T. -0.006 min
Lab File: P39760.D
Acq: 17 Sep 2020 11:31 pm

Tgt Ion:125 Resp: 1967

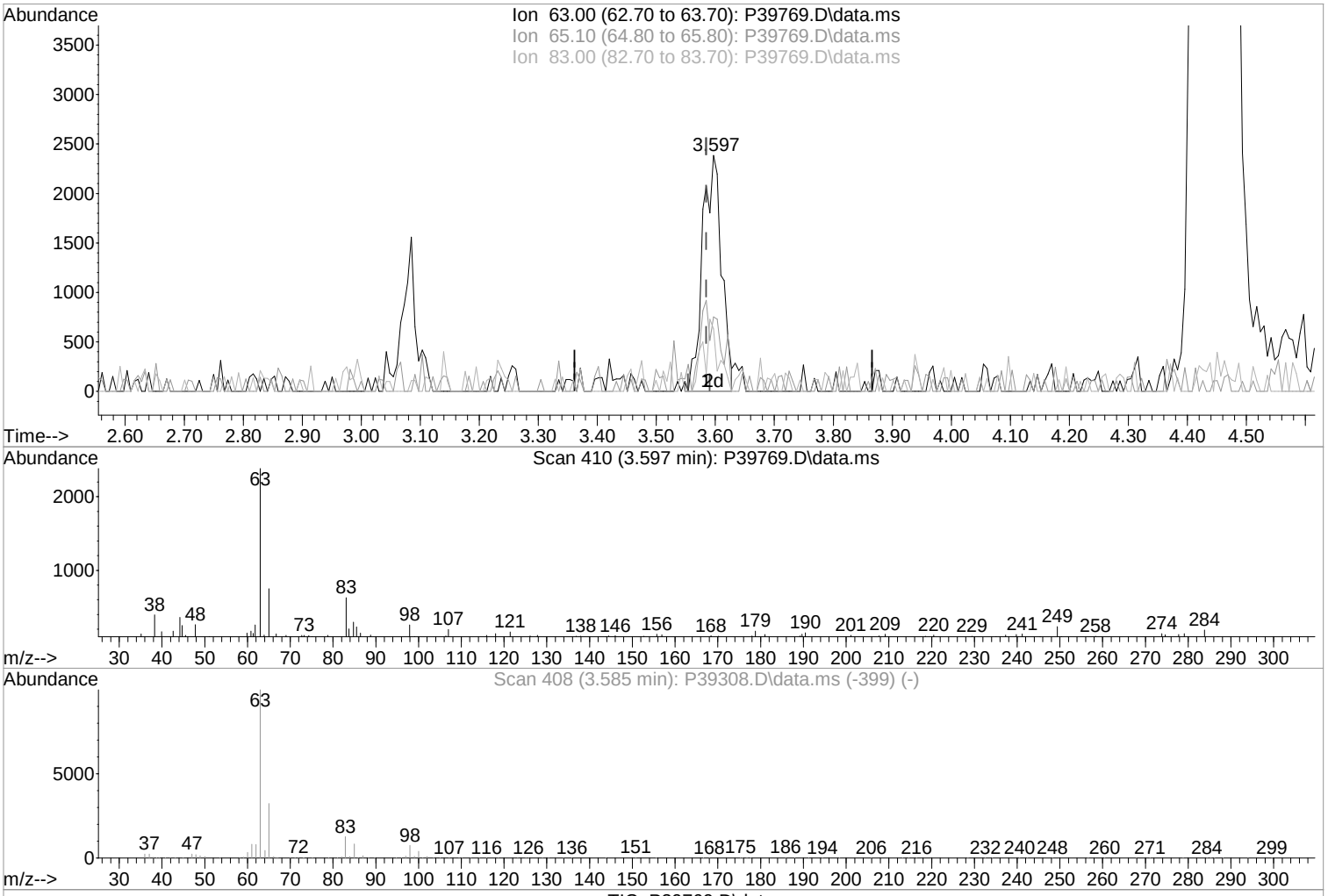
Ion	Ratio	Lower	Upper
125	100		
160	38.7	34.2	51.2
89	22.1	28.1	42.1#



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39769.D
Acq On : 18 Sep 2020 2:47 am
Operator : K.Ruest
Sample : R2008511-010|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 18 10:27:27 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: P39769.D\data.ms

(28) 1,1-Diclethane (P)

3.597min (+0.012) 1.19 ppb m

response 5365

Ion	Exp%	Act%
63.00	100	100
65.10	32.40	31.53
83.00	12.60	26.42
0.00	0.00	0.00

Manual Integration:

After

Split Peak

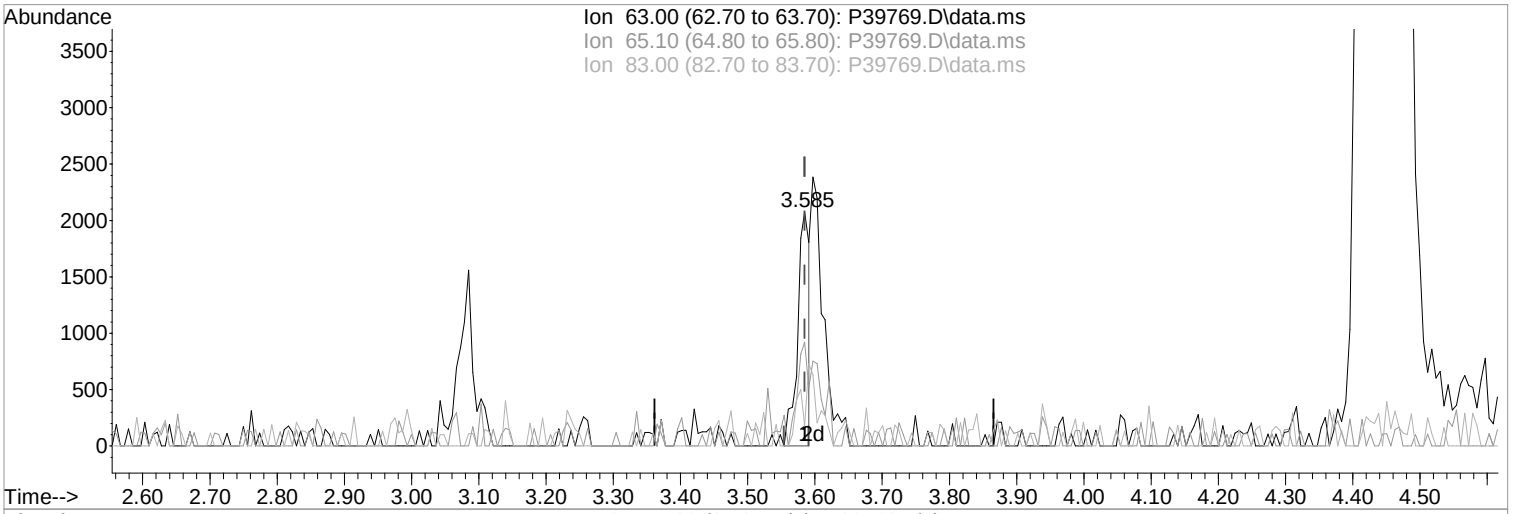
09/22/20

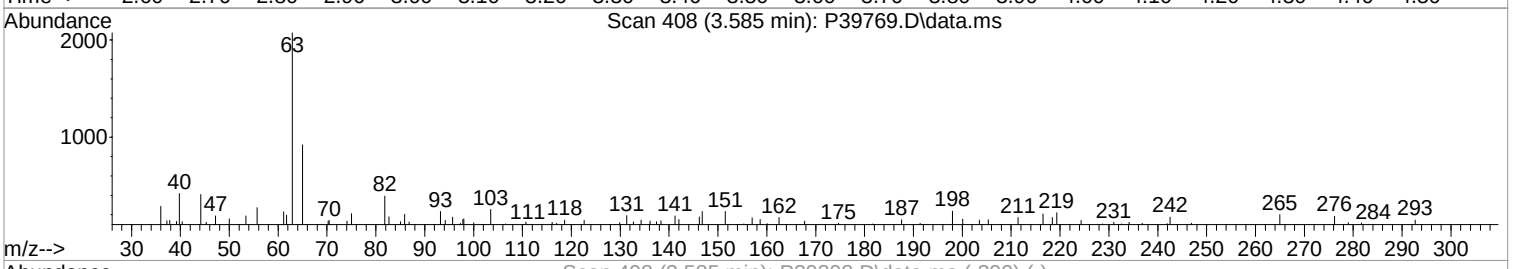
1st 09/22/20
2nd 09/22/20

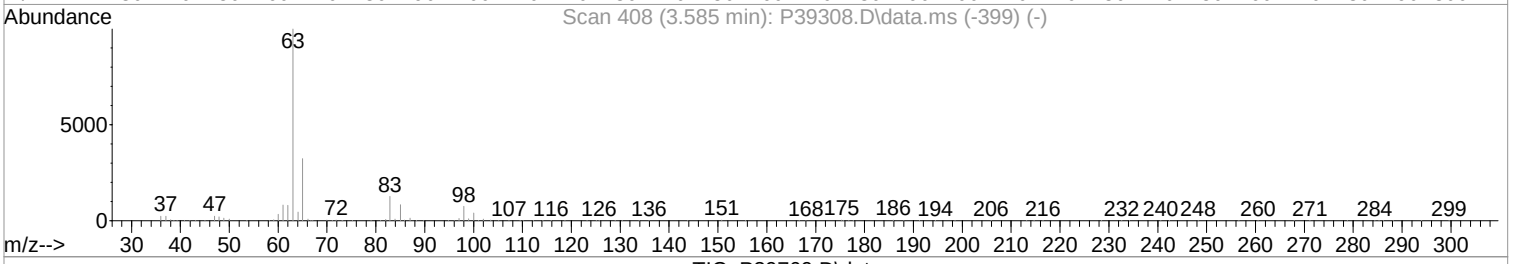
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39769.D
Acq On : 18 Sep 2020 2:47 am
Operator : K.Ruest
Sample : R2008511-010|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 18 10:27:27 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: P39769.D\data.ms

(28) 1,1-Diclethane (P)

3.585min (0.000) 0.57 ppb

response 2565

Ion	Exp%	Act%
63.00	100	100
65.10	32.40	44.39
83.00	12.60	8.48
0.00	0.00	0.00

Manual Integration:

Before

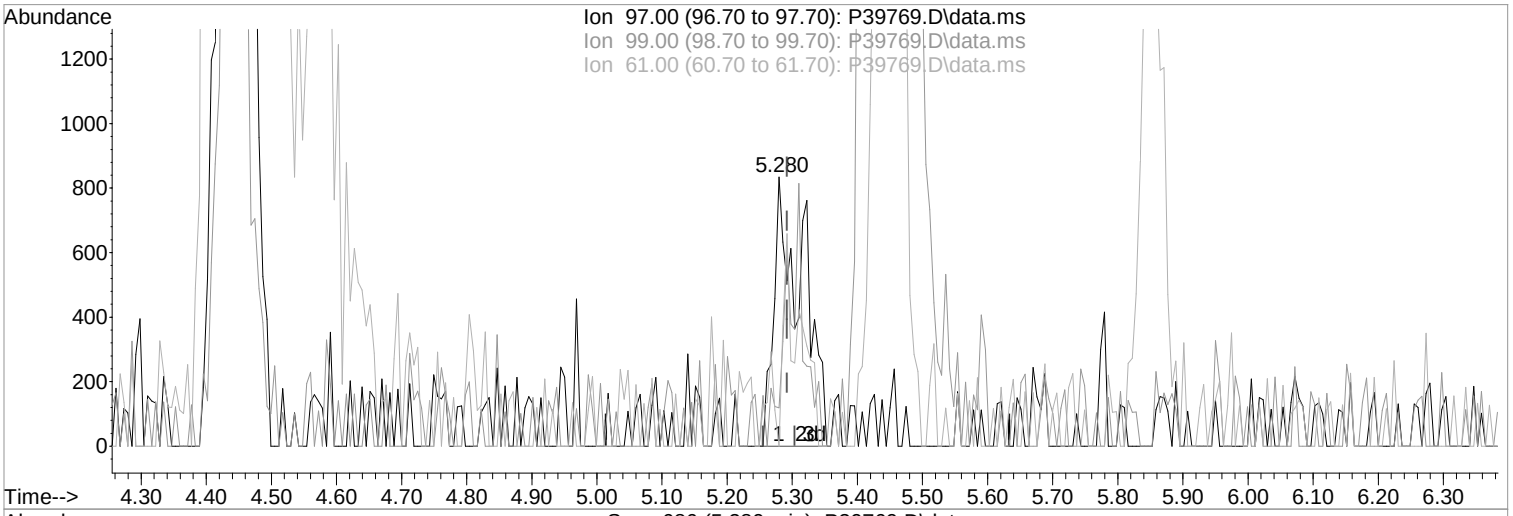
09/22/20

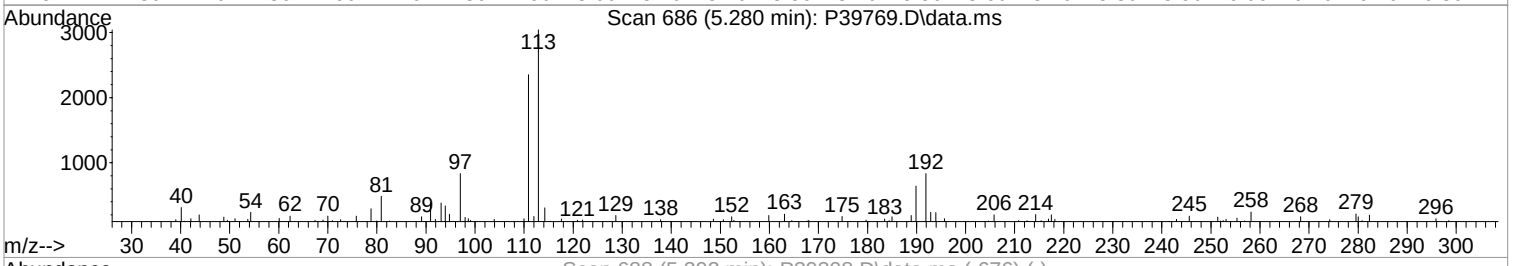
1st 09/22/20
2nd 09/22/20

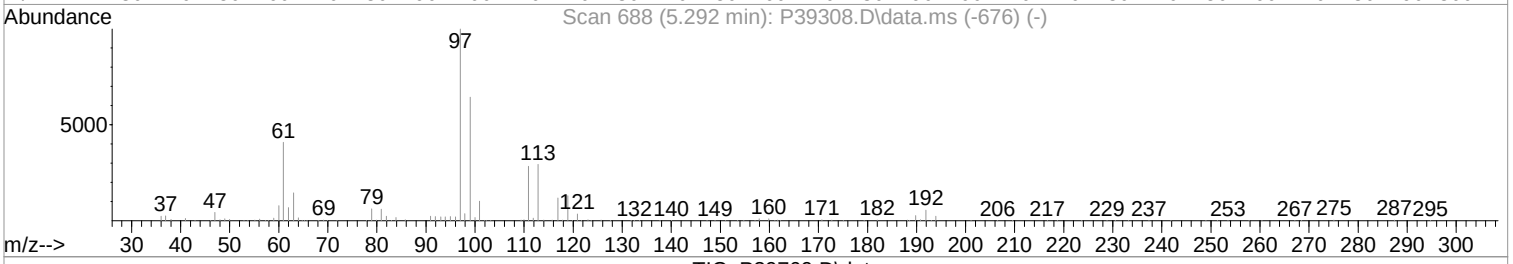
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39769.D
Acq On : 18 Sep 2020 2:47 am
Operator : K.Ruest
Sample : R2008511-010|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 18 10:27:27 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: P39769.D\data.ms

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

5.280min (-0.012) 0.60 ppb m

response 2550

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	14.27#
61.00	41.10	0.00#
0.00	0.00	0.00

Manual Integration:

After

Split Peak

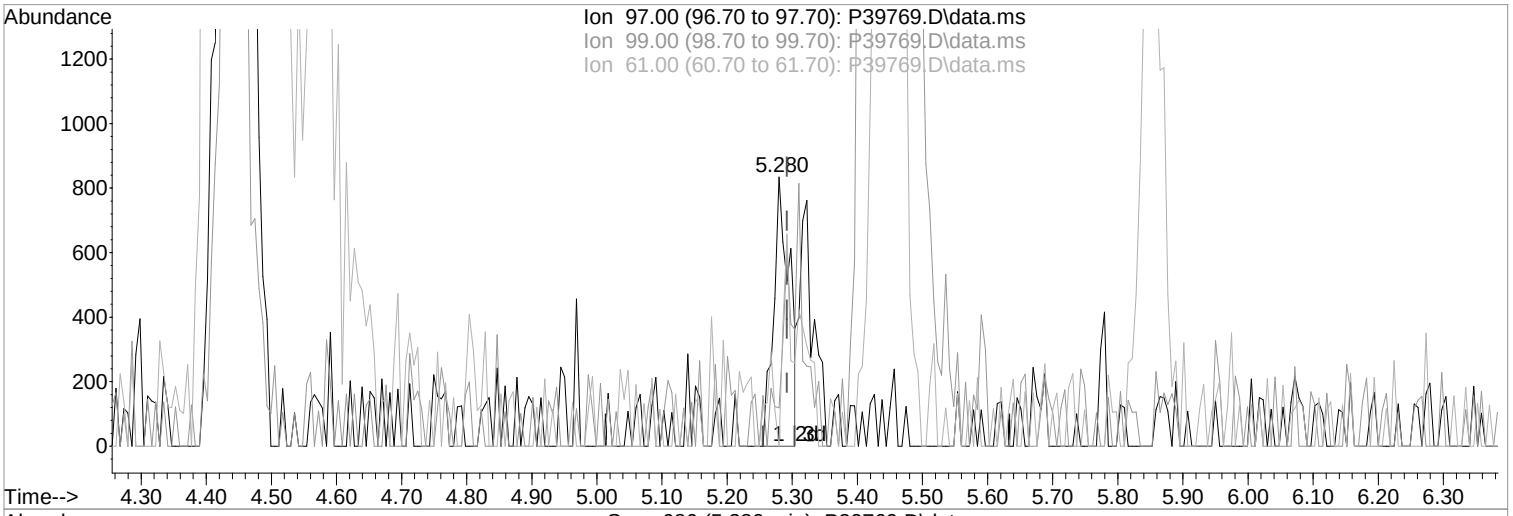
09/22/20

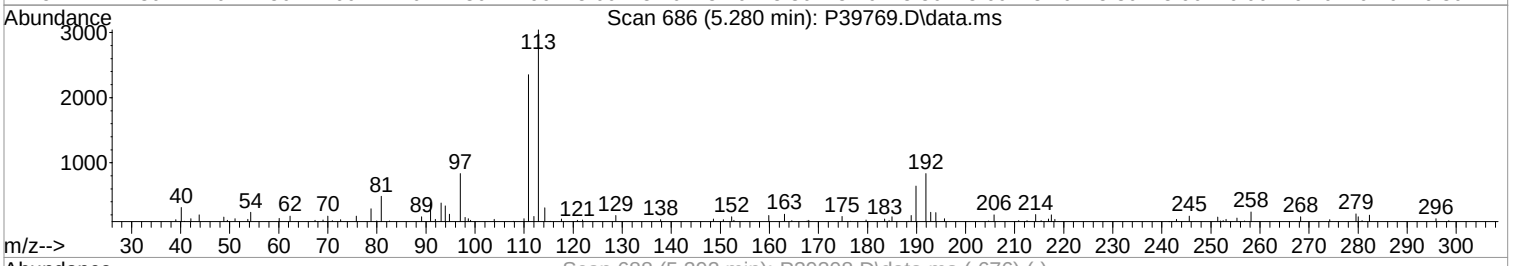
1st 09/22/20
2nd 09/22/20

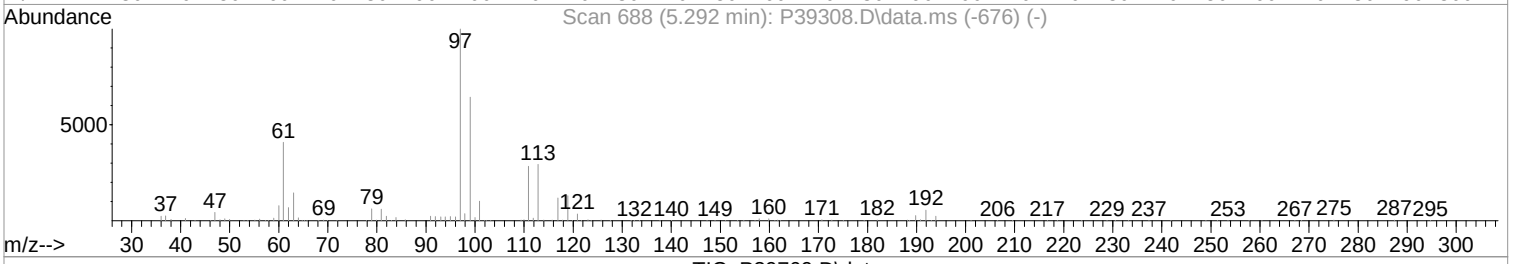
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39769.D
Acq On : 18 Sep 2020 2:47 am
Operator : K.Ruest
Sample : R2008511-010|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 18 10:27:27 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: P39769.D\data.ms

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

5.280min (-0.012) 0.33 ppb

response 1427

Ion	Exp%	Act%
97.00	100	100
99.00	64.50	14.27#
61.00	41.10	0.00#
0.00	0.00	0.00

Manual Integration:

Before

09/22/20

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39769.D
Acq On : 18 Sep 2020 2:47 am
Operator : K.Ruest
Sample : R2008511-010|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 41 Sample Multiplier: 1

repeat 10

Quant Time: Sep 22 14:16:52 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	274887	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	458039	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	417031	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	203175	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	125687	46.75	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.50%				
48) surr1,1,2-dichloroetha...	5.853	65	184483	51.40	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.80%				
65) SURR3,Toluene-d8	8.316	98	632192	51.73	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.46%				
70) SURR2,BFB	10.870	95	222138	46.87	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.74%				
Target Compounds							Qvalue
3) Chloromethane	1.323	50	1245	0.33	ppb		95
4) Vinyl Chloride	1.402	62	13055	2.87	ppb		92
10) Freon 123a	2.146	67	1749	0.59	ppb		80
13) 1,1-Diclethene	2.329	96	3840	1.90	ppb	#	82
26) trans-1,2-Dichloroethene	3.079	96	5737	2.44	ppb	#	77
28) 1,1-Diclethane	3.597	63	5365m	1.19	ppb		
34) cis-1,2-Dichloroethene	4.444	96	568729	200.18	ppb		98
41) 1,1,1-Trichloroethane	5.280	97	2550m	0.60	ppb		
54) Trichloroethene	6.834	130	411114	120.24	ppb		94

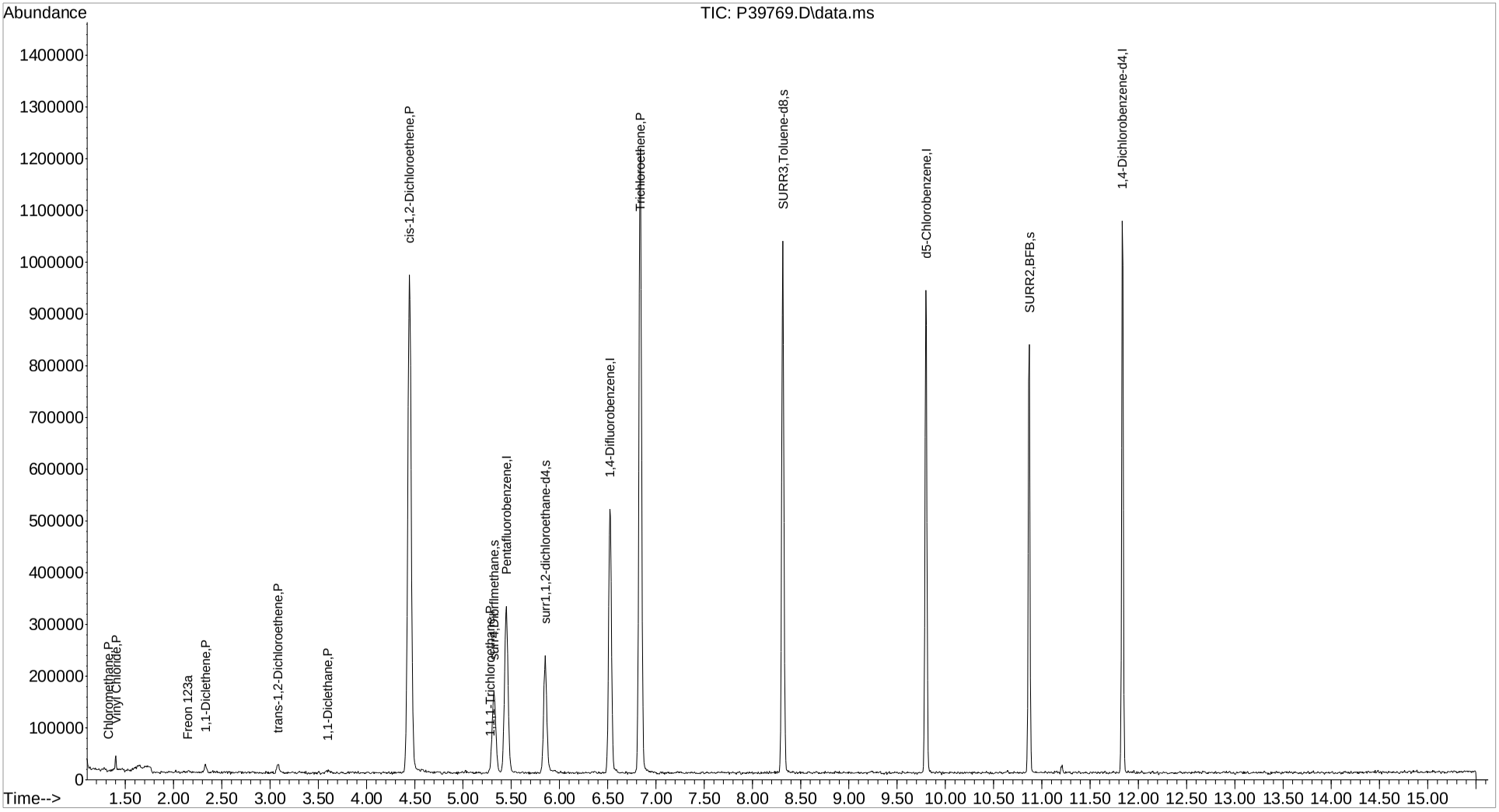
E-Over Calibration

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

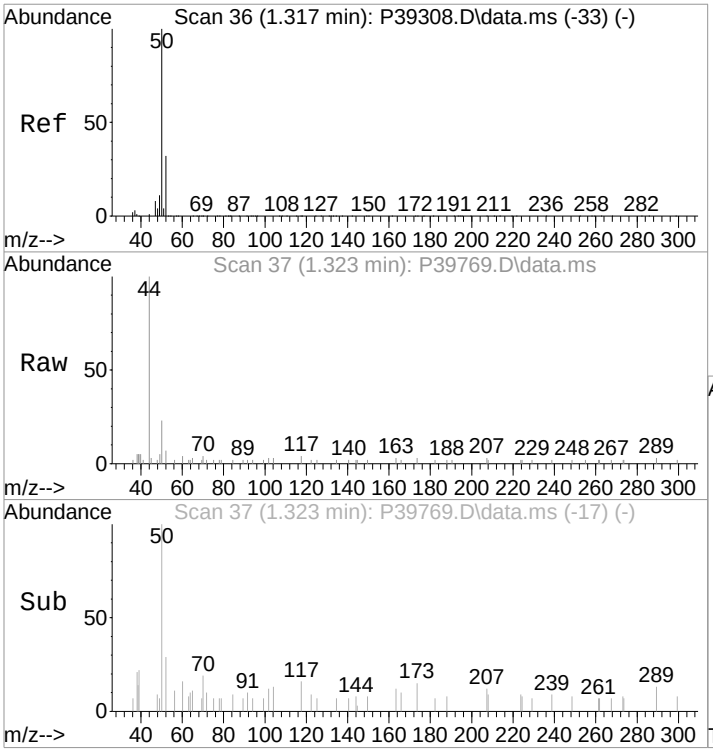
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39769.D
Acq On : 18 Sep 2020 2:47 am
Operator : K.Ruest
Sample : R2008511-010|5.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 22 14:16:52 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



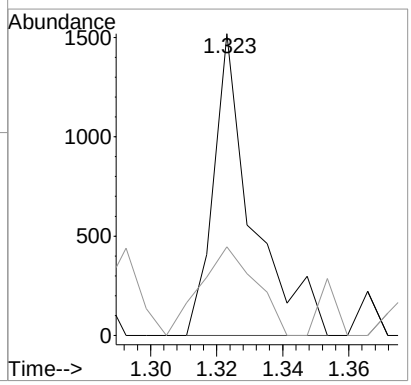
1st 09/22/20
2nd 09/22/20

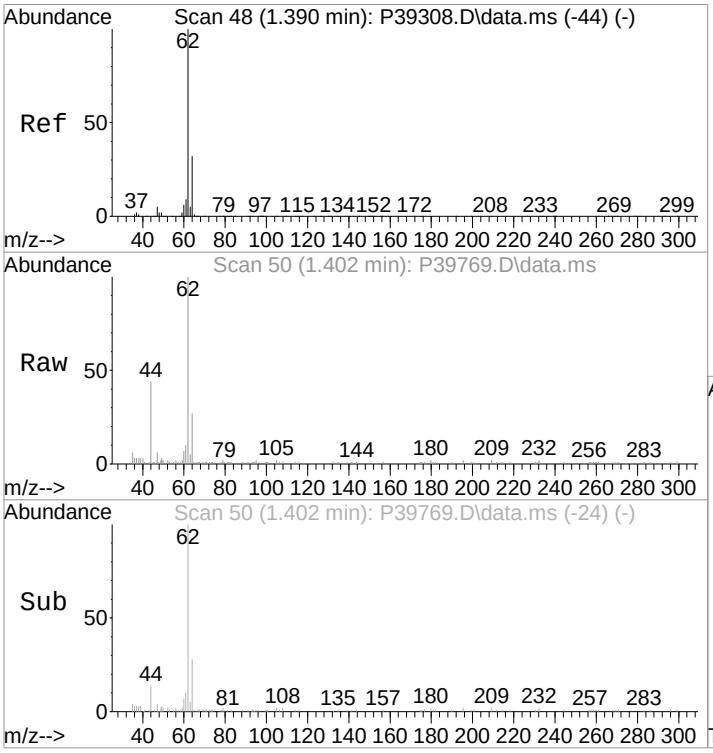


#3
Chloromethane
Concen: 0.33 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion: 50 Resp: 1245

Ion	Ratio	Lower	Upper
50	100		
52	29.3	12.1	52.1

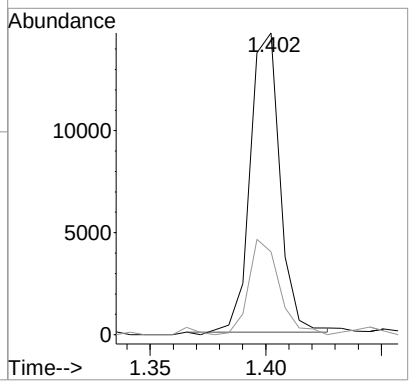


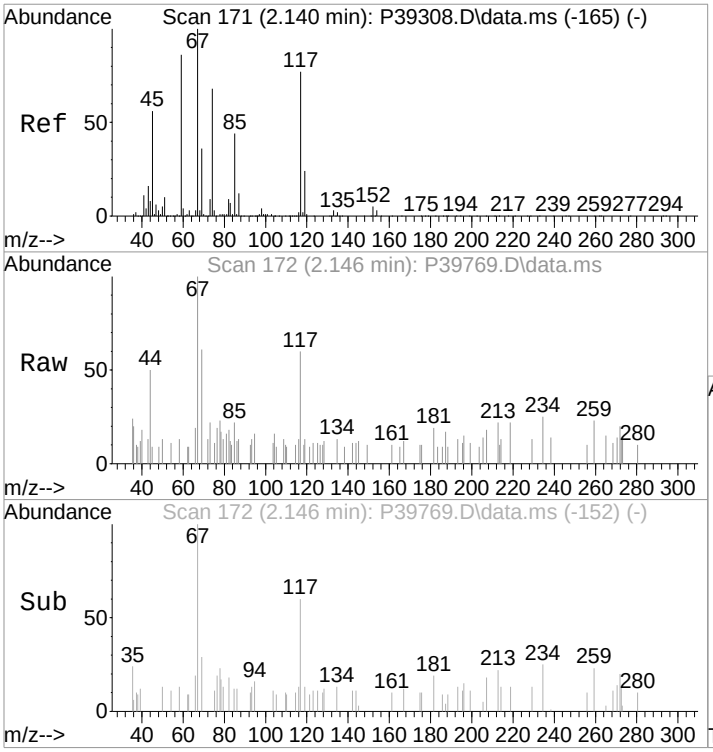


#4
Vinyl Chloride
Concen: 2.87 ppb
RT: 1.402 min Scan# 50
Delta R.T. 0.012 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion: 62 Resp: 13055

Ion	Ratio	Lower	Upper
62	100		
64	27.5	12.1	52.1

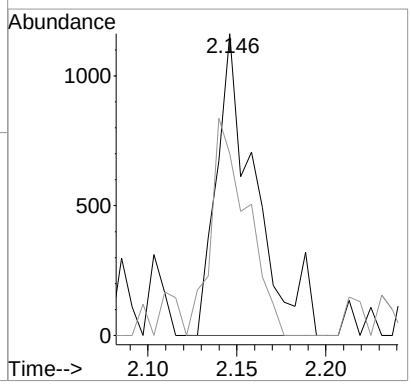


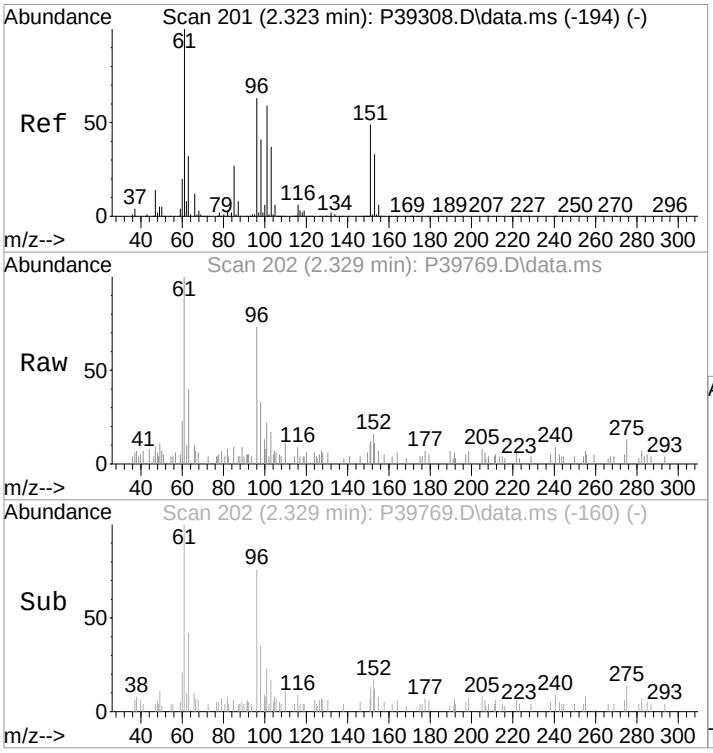


#10
Freon 123a
Concen: 0.59 ppb
RT: 2.146 min Scan# 172
Delta R.T. 0.006 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion: 67 Resp: 1749

Ion	Ratio	Lower	Upper
67	100		
117	60.2	57.5	97.5

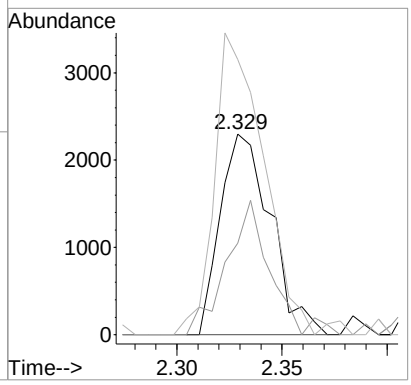


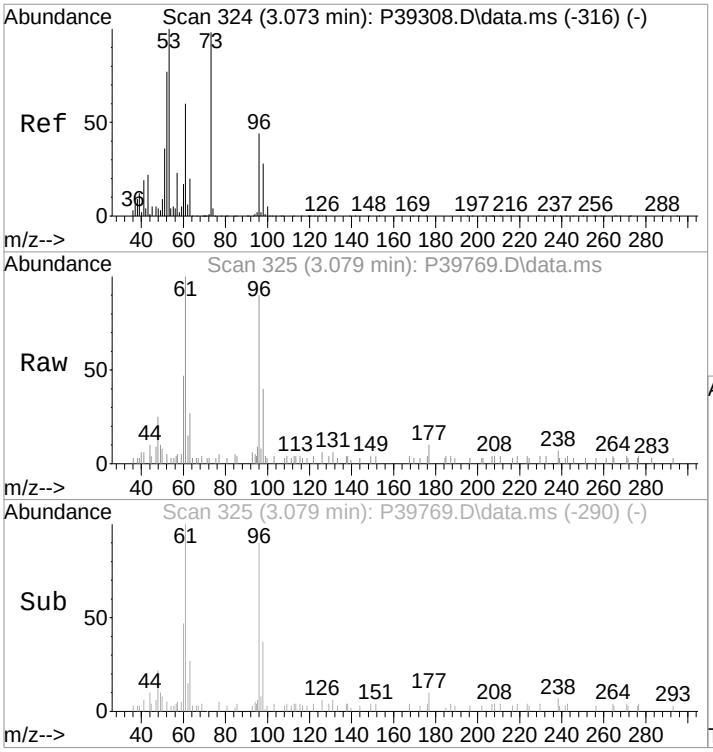


#13
1,1-Diclethene
Concen: 1.90 ppb
RT: 2.329 min Scan# 202
Delta R.T. 0.006 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion: 96 Resp: 3840

Ion	Ratio	Lower	Upper
96	100		
98	45.7	44.9	84.9
61	137.2	137.7	177.7#

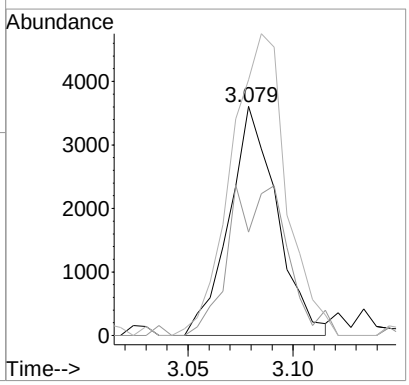


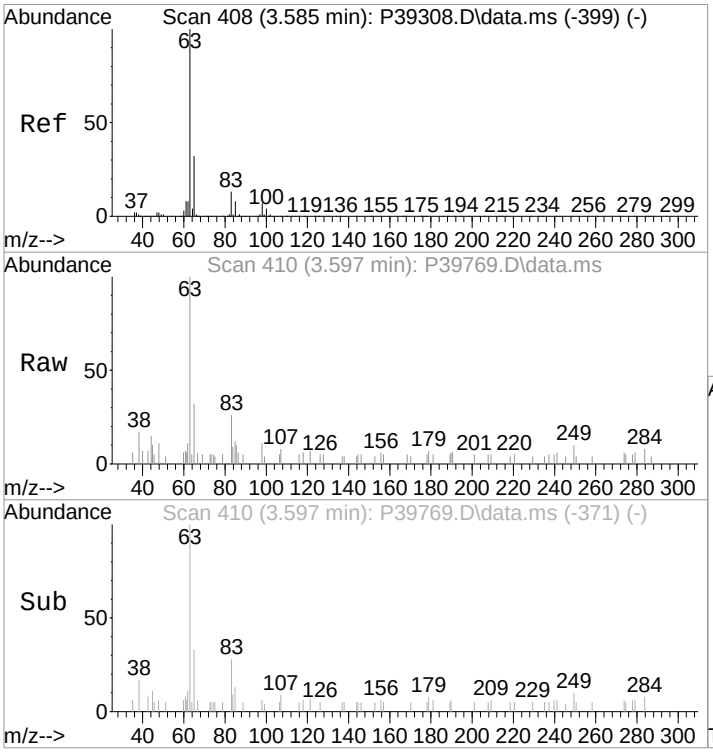


#26
trans-1,2-Dichloroethene
Concen: 2.44 ppb
RT: 3.079 min Scan# 325
Delta R.T. 0.006 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion: 96 Resp: 5737

Ion	Ratio	Lower	Upper
96	100		
98	45.2	44.1	84.1
61	111.6	118.9	158.9#

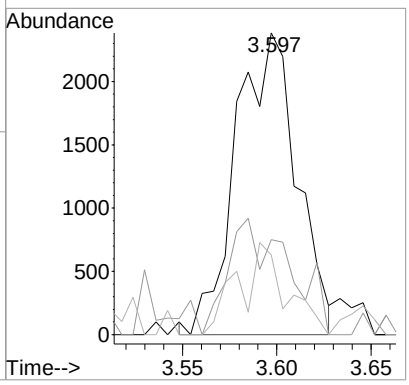


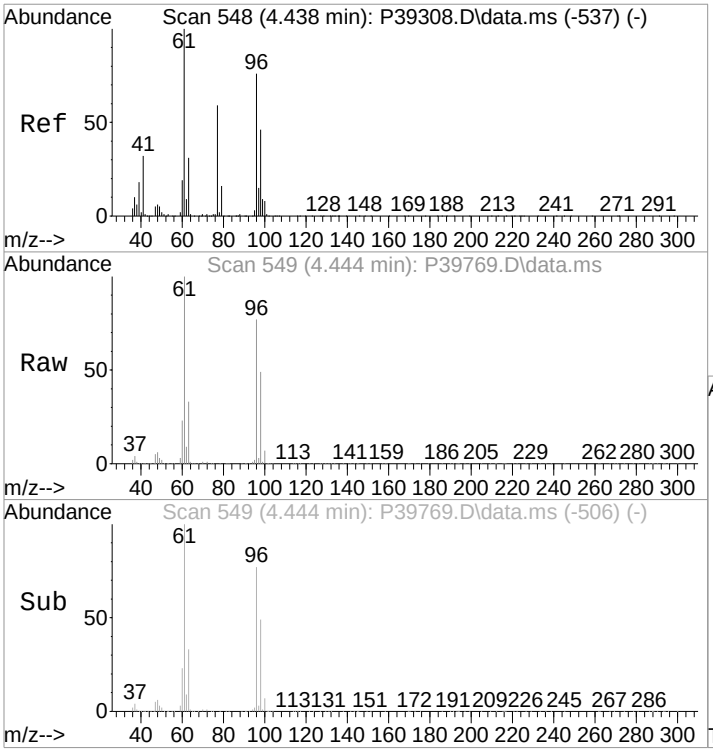


#28
1,1-Diclethane
Concen: 1.19 ppb m
RT: 3.597 min Scan# 410
Delta R.T. 0.012 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion: 63 Resp: 5365

Ion	Ratio	Lower	Upper
63	100		
65	31.5	12.4	52.4
83	26.4	0.0	32.6

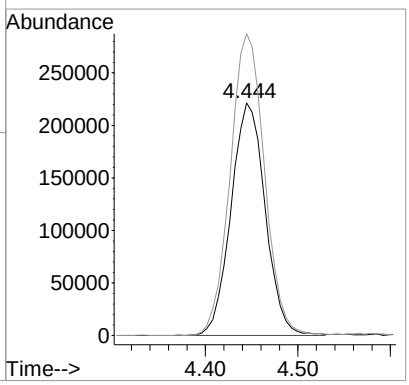


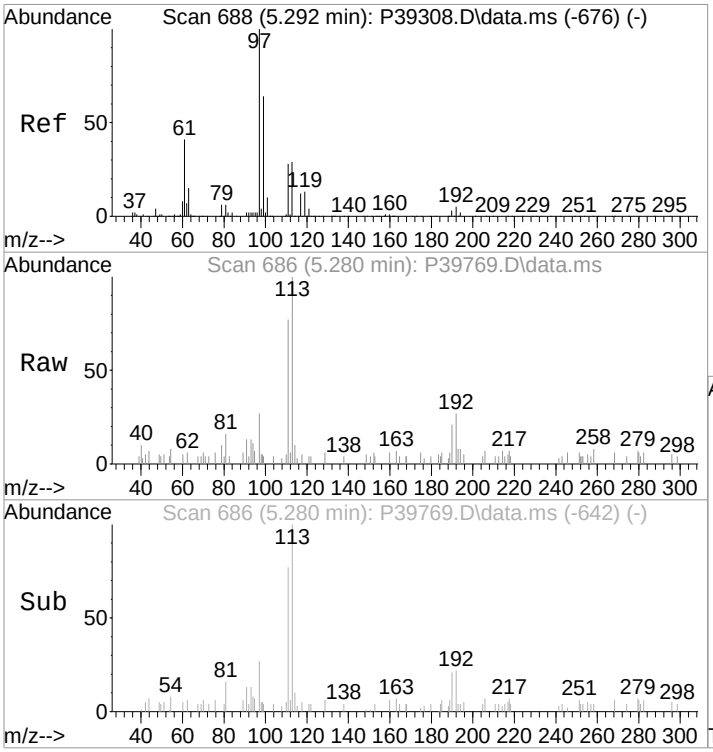


#34
cis-1,2-Dichloroethene
Concen: 200.18 ppb
RT: 4.444 min Scan# 549
Delta R.T. 0.006 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion: 96 Resp: 568729

Ion	Ratio	Lower	Upper
96	100		
61	129.8	112.7	152.7

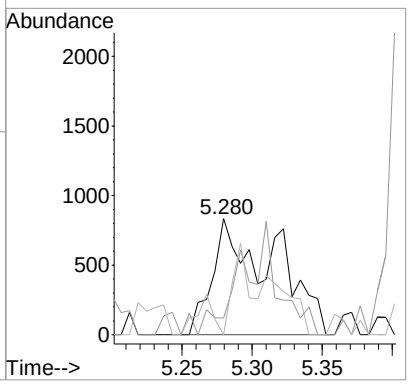


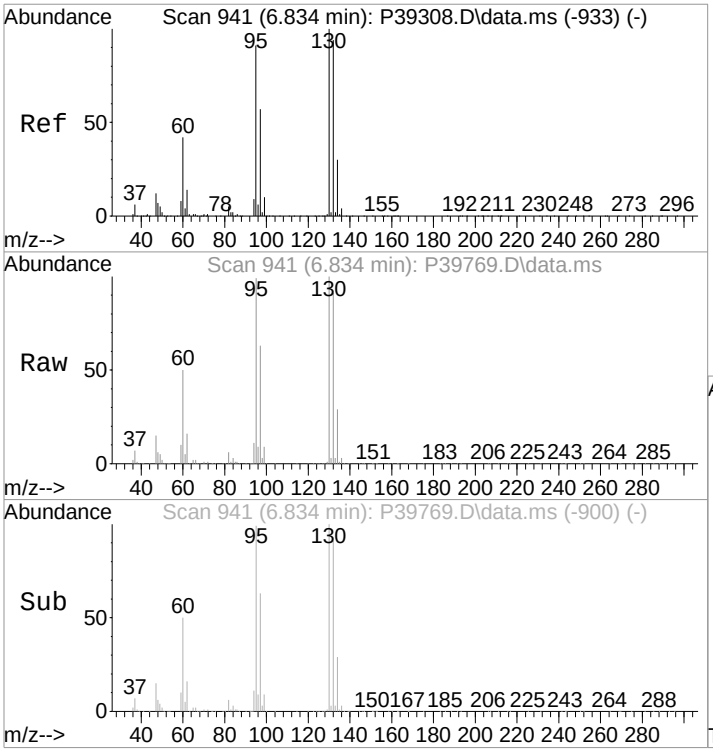


#41
1,1,1-Trichloroethane
Concen: 0.60 ppb m
RT: 5.280 min Scan# 686
Delta R.T. -0.012 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion: 97 Resp: 2550

Ion	Ratio	Lower	Upper
97	100		
99	14.3	44.5	84.5#
61	0.0	21.1	61.1#

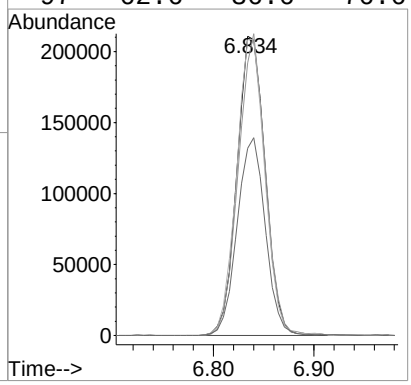




#54
Trichloroethene
Concen: 120.24 ppb
RT: 6.834 min Scan# 941
Delta R.T. 0.000 min
Lab File: P39769.D
Acq: 18 Sep 2020 2:47 am

Tgt Ion:130 Resp: 411114

Ion	Ratio	Lower	Upper
130	100		
132	91.1	73.9	113.9
95	98.8	71.2	111.2
97	62.6	36.6	76.6

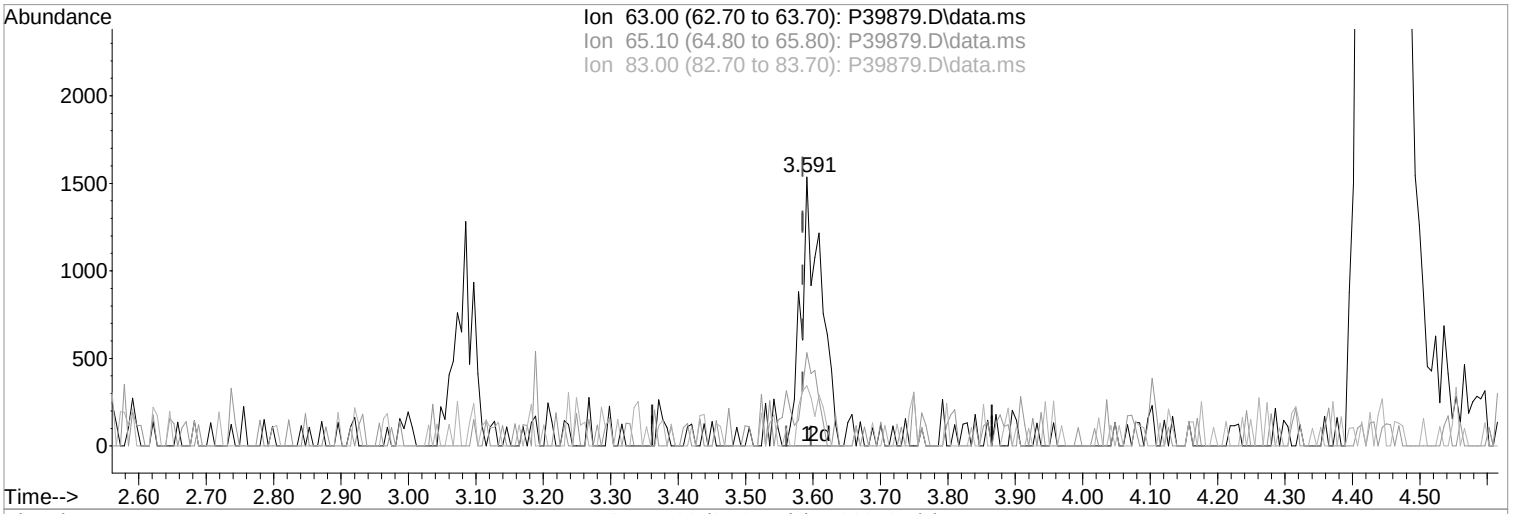


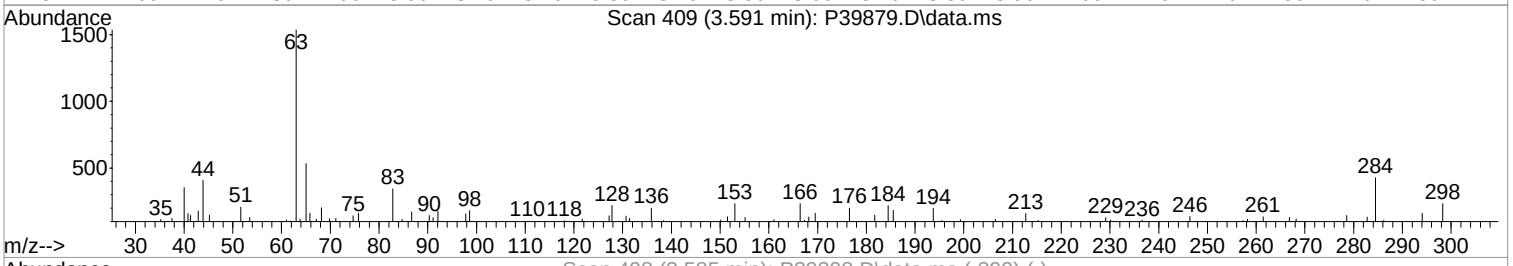
1st 09/23/20
2nd 09/24/20

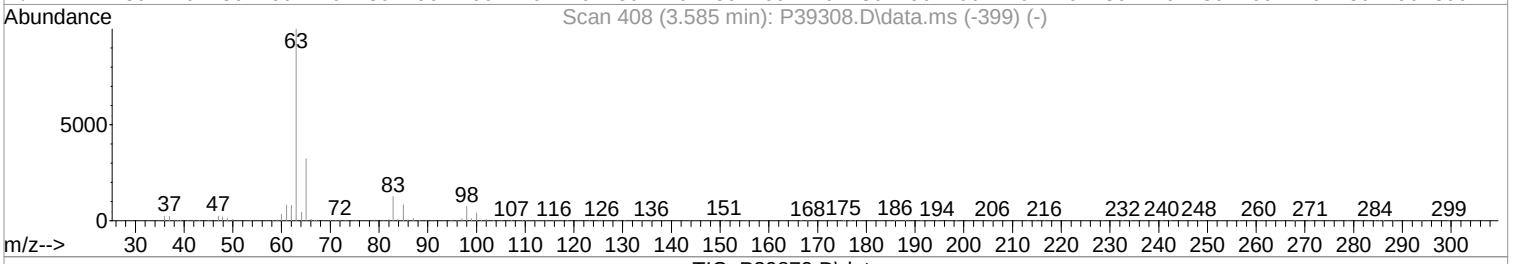
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39879.D
Acq On : 21 Sep 2020 6:59 pm
Operator : K.Ruest
Sample : R2008511-010|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 22 09:25:47 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: P39879.D\data.ms

(28) 1,1-Diclethane (P)

3.591min (+0.006) 0.64 ppb m

response 3132

Ion	Exp%	Act%
63.00	100	100
65.10	32.40	34.64
83.00	12.60	22.40
0.00	0.00	0.00

Manual Integration:

After

Split Peak

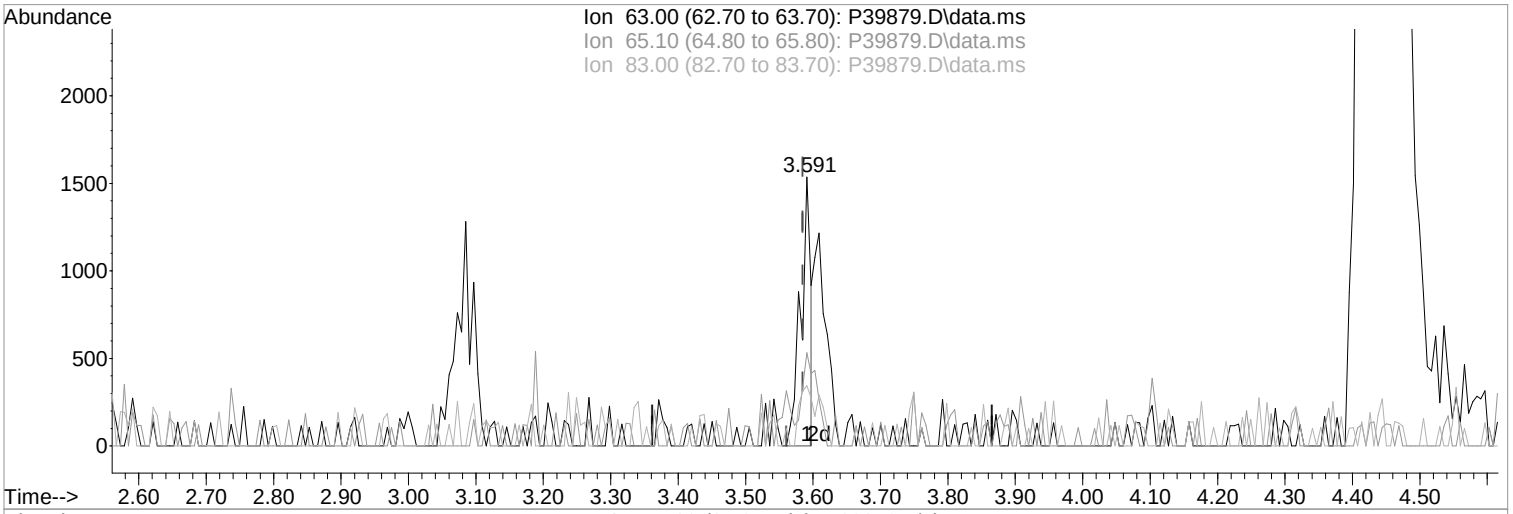
09/23/20

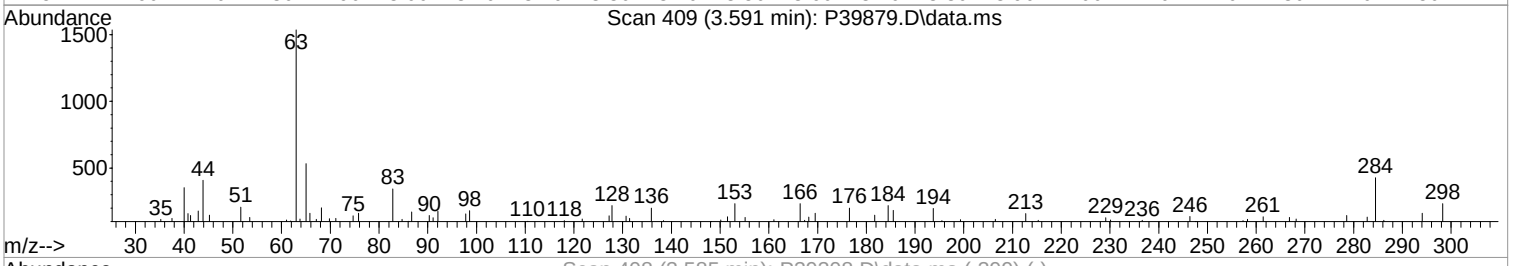
1st 09/23/20
2nd 09/24/20

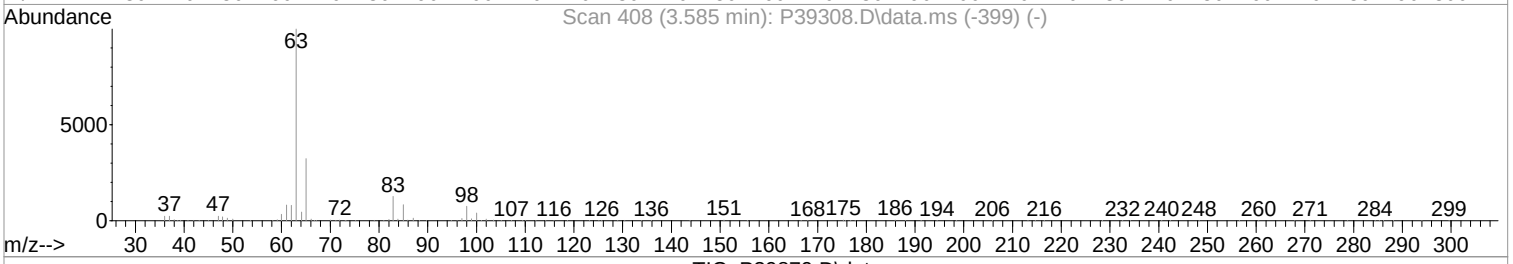
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39879.D
Acq On : 21 Sep 2020 6:59 pm
Operator : K.Ruest
Sample : R2008511-010|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 22 09:25:47 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: P39879.D\data.ms

(28) 1,1-Diclethane (P)

3.591min (+0.006) 0.32 ppb

response 1580

Ion	Exp%	Act%
63.00	100	100
65.10	32.40	45.12
83.00	12.60	22.40
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 : P39879.D
Acq On : 21 Sep 2020 6:59 pm
Operator : K.Ruest
Sample : R2008511-010|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

DL

Quant Time: Sep 23 17:49:39 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

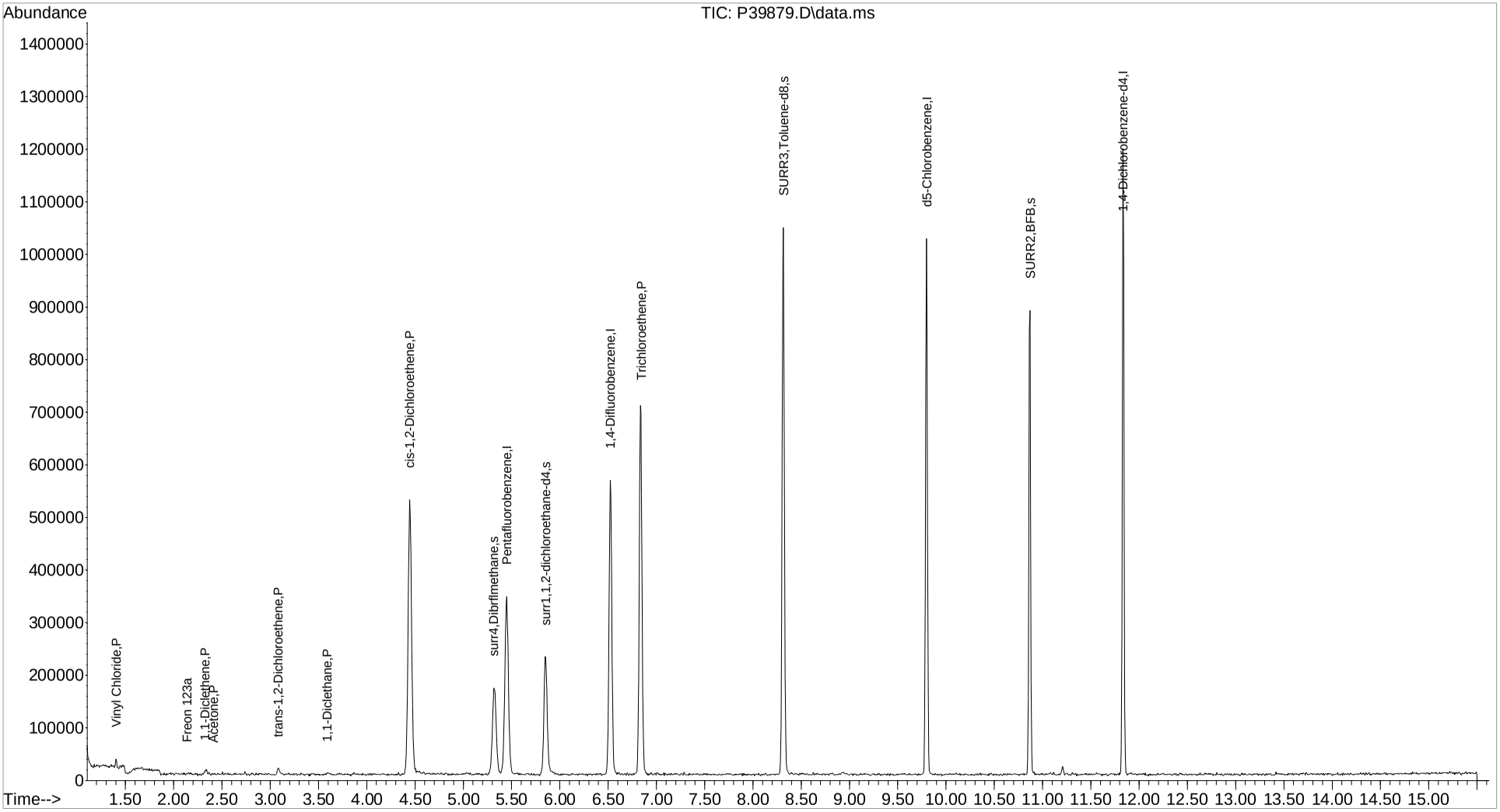
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	297612	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	491394	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	439399	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	223428	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	134089	46.49	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.98%				
48) surr1,1,2-dichloroetha...	5.853	65	194689	50.56	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.12%				
65) SURR3,Toluene-d8	8.315	98	652429	49.77	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.54%				
70) SURR2,BFB	10.870	95	234328	46.08	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.16%				
Target Compounds							Qvalue
4) Vinyl Chloride	1.402	62	8144	1.65	ppb		93
10) Freon 123a	2.140	67	1135	0.35	ppb	#	38
13) 1,1-Diclethene	2.323	96	2205	1.01	ppb	#	49
15) Acetone	2.408	43	2084	1.45	ppb		90
26) trans-1,2-Dichloroethene	3.079	96	4081	1.60	ppb	#	83
28) 1,1-Diclethane	3.591	63	3132m	0.64	ppb		
34) cis-1,2-Dichloroethene	4.444	96	309779	100.71	ppb		100
39) Tetrahydrofuran	4.962	42	796	Below Cal			92
54) Trichloroethene	6.840	130	248701	67.80	ppb		96

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

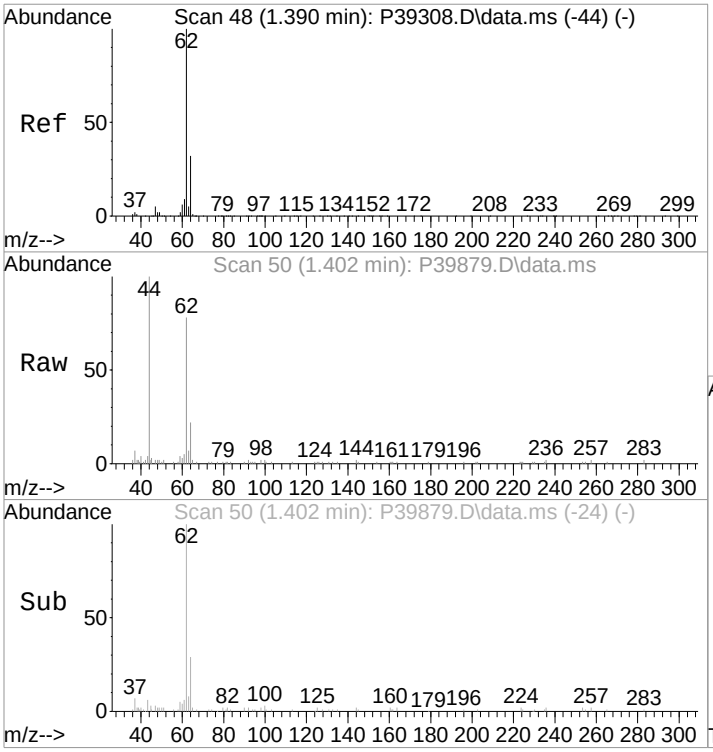
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\092120\
Data File : P39879.D
Acq On : 21 Sep 2020 6:59 pm
Operator : K.Ruest
Sample : R2008511-010|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 17:49:39 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



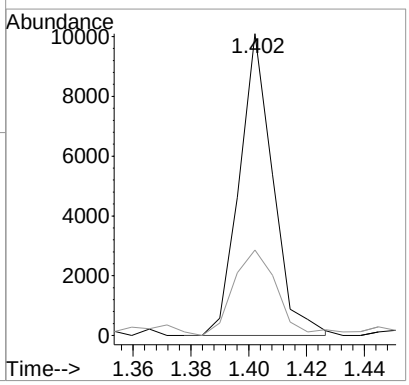
1st 09/23/20
2nd 09/24/20

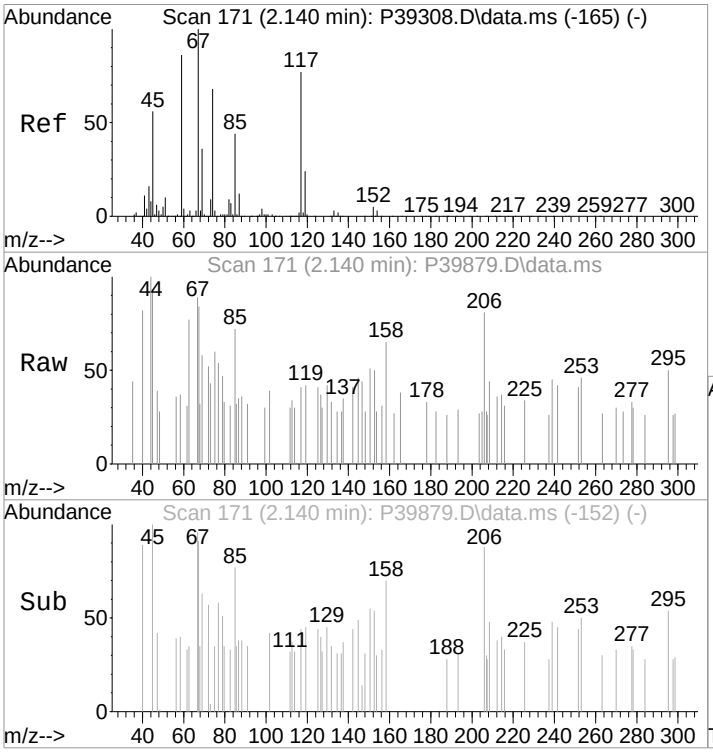


#4
Vinyl Chloride
Concen: 1.65 ppb
RT: 1.402 min Scan# 50
Delta R.T. 0.012 min
Lab File: P39879.D
Acq: 21 Sep 2020 6:59 pm

Tgt Ion: 62 Resp: 8144

Ion	Ratio	Lower	Upper
62	100		
64	28.3	12.1	52.1

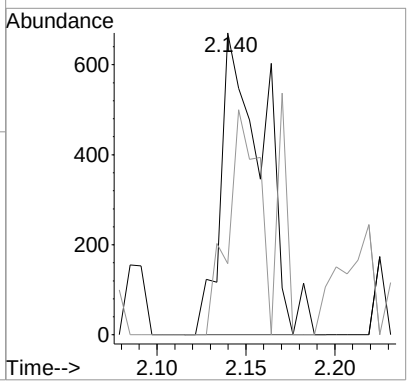


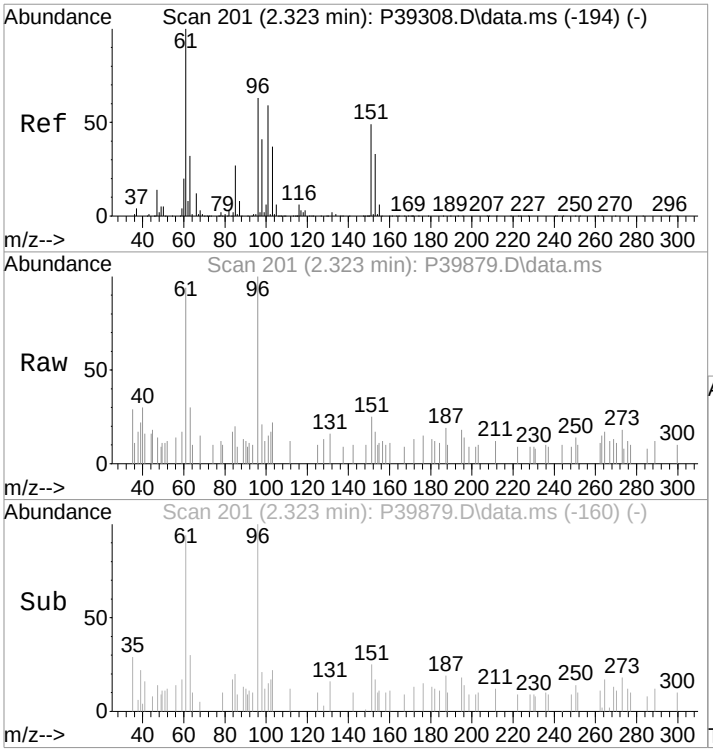


#10
Freon 123a
Concen: 0.35 ppb
RT: 2.140 min Scan# 171
Delta R.T. -0.000 min
Lab File: P39879.D
Acq: 21 Sep 2020 6:59 pm

Tgt Ion: 67 Resp: 1135

Ion	Ratio	Lower	Upper
67	100		
117	23.5	57.5	97.5#

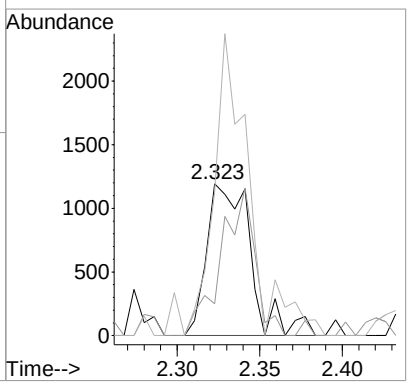


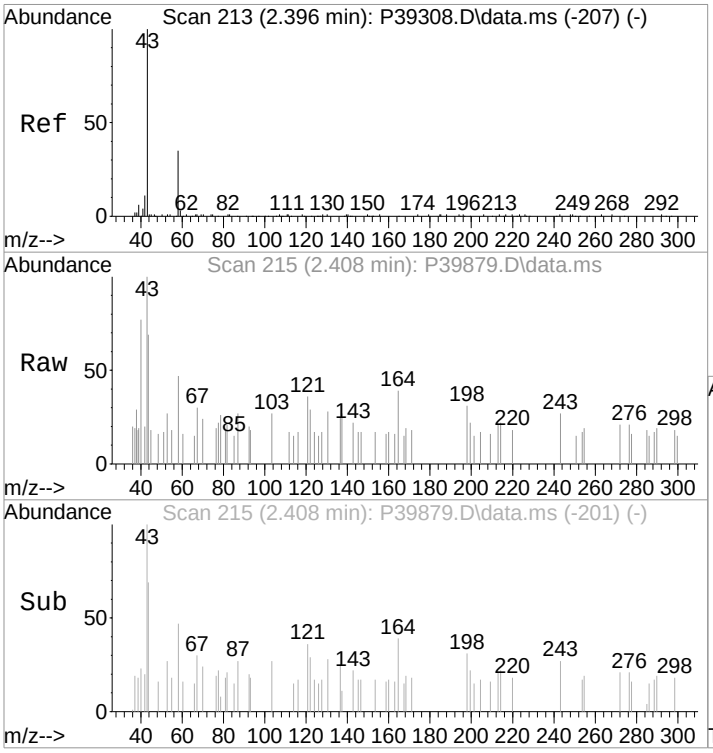


#13
1,1-Diclethene
Concen: 1.01 ppb
RT: 2.323 min Scan# 201
Delta R.T. -0.000 min
Lab File: P39879.D
Acq: 21 Sep 2020 6:59 pm

Tgt Ion: 96 Resp: 2205

Ion	Ratio	Lower	Upper
96	100		
98	21.0	44.9	84.9#
61	94.4	137.7	177.7#

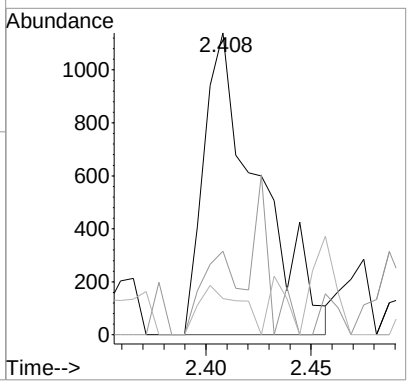


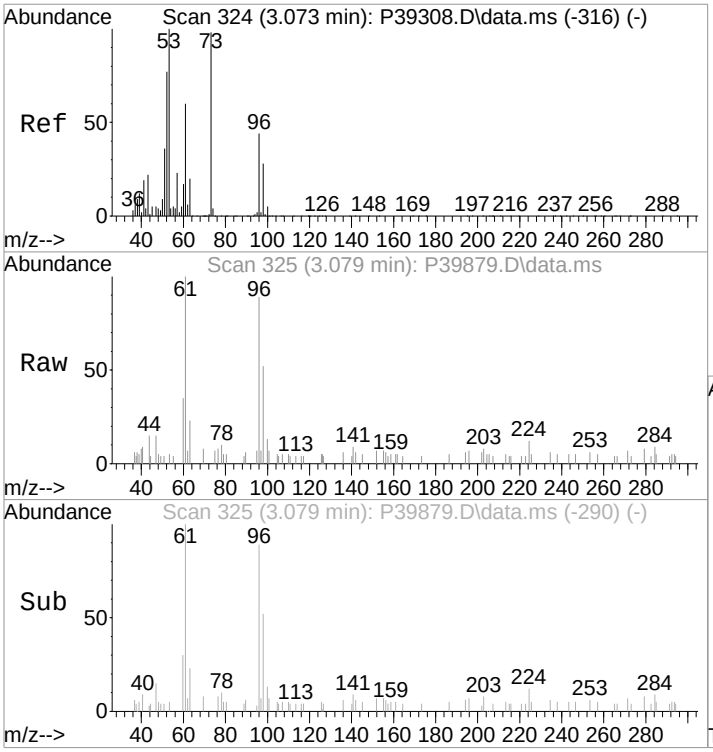


#15
Acetone
Concen: 1.45 ppb
RT: 2.408 min Scan# 215
Delta R.T. 0.012 min
Lab File: P39879.D
Acq: 21 Sep 2020 6:59 pm

Tgt Ion: 43 Resp: 2084

Ion	Ratio	Lower	Upper
43	100		
58	27.7	14.8	54.8
42	12.0	0.0	31.4

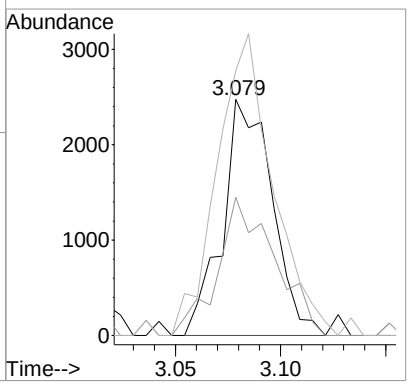


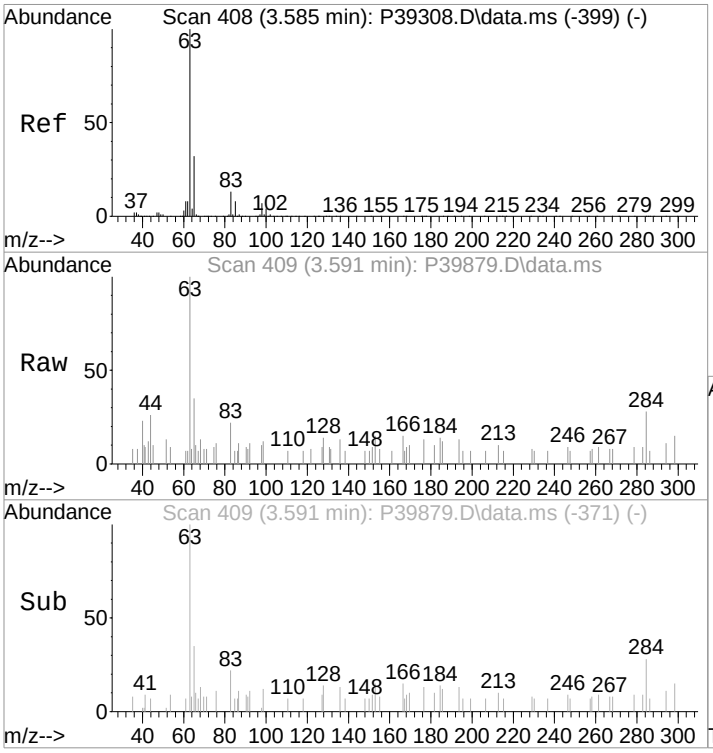


#26
trans-1,2-Dichloroethene
Concen: 1.60 ppb
RT: 3.079 min Scan# 325
Delta R.T. 0.006 min
Lab File: P39879.D
Acq: 21 Sep 2020 6:59 pm

Tgt Ion: 96 Resp: 4081

Ion	Ratio	Lower	Upper
96	100		
98	58.5	44.1	84.1
61	112.0	118.9	158.9#

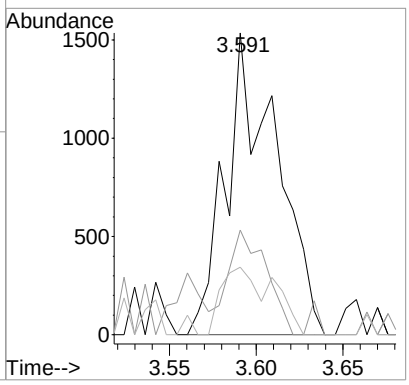


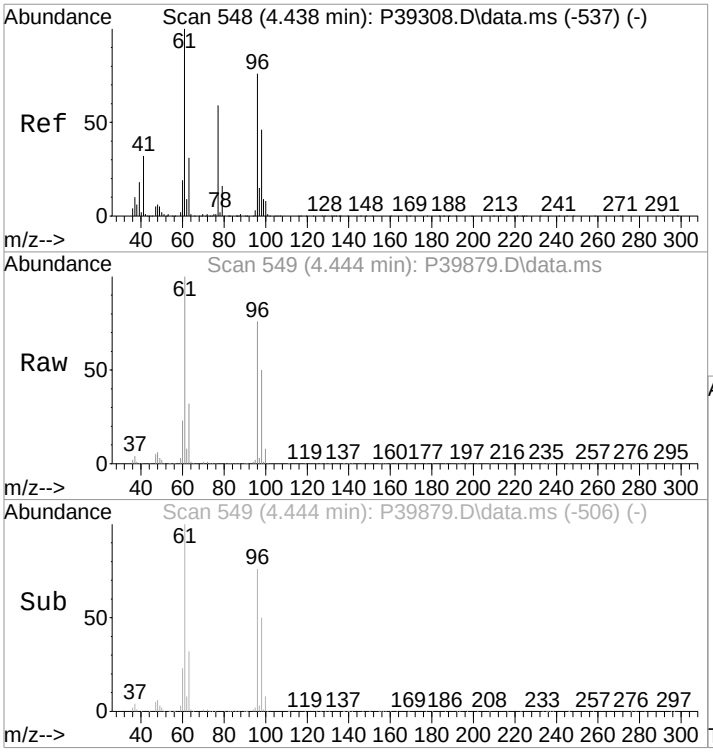


#28
1,1-Diclethane
Concen: 0.64 ppb m
RT: 3.591 min Scan# 409
Delta R.T. 0.006 min
Lab File: P39879.D
Acq: 21 Sep 2020 6:59 pm

Tgt Ion: 63 Resp: 3132

Ion	Ratio	Lower	Upper
63	100		
65	34.6	12.4	52.4
83	22.4	0.0	32.6

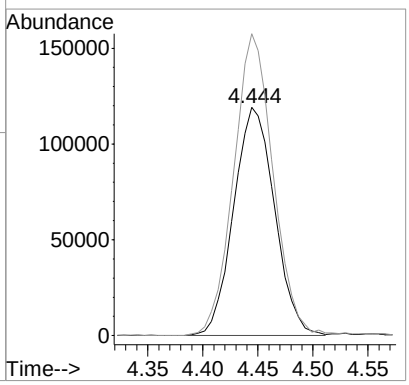


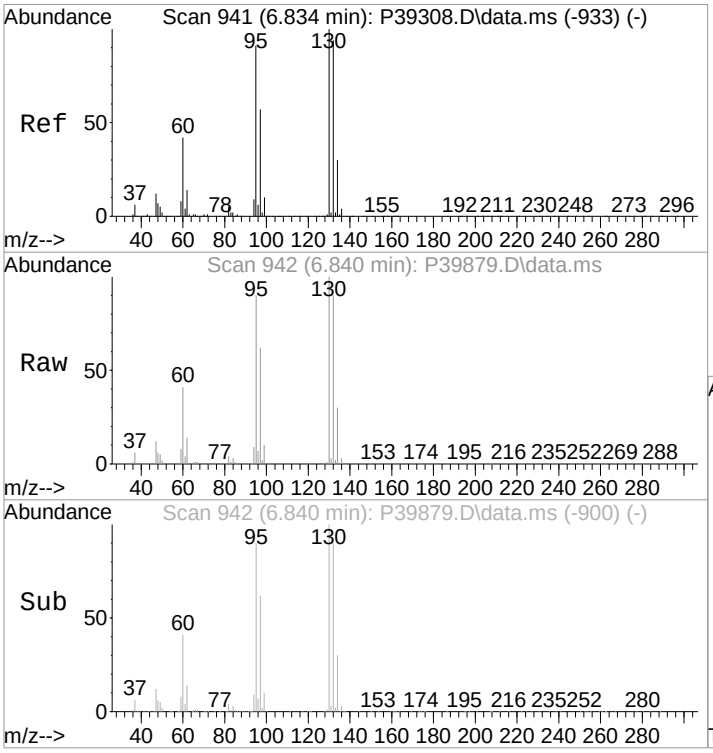


#34
cis-1,2-Dichloroethene
Concen: 100.71 ppb
RT: 4.444 min Scan# 549
Delta R.T. 0.006 min
Lab File: P39879.D
Acq: 21 Sep 2020 6:59 pm

Tgt Ion: 96 Resp: 309779

Ion	Ratio	Lower	Upper
96	100		
61	132.3	112.7	152.7

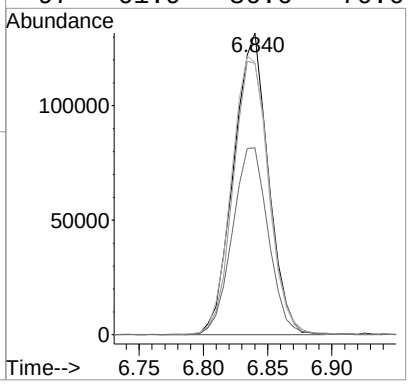




#54
Trichloroethene
Concen: 67.80 ppb
RT: 6.840 min Scan# 942
Delta R.T. 0.006 min
Lab File: P39879.D
Acq: 21 Sep 2020 6:59 pm

Tgt Ion:130 Resp: 248701

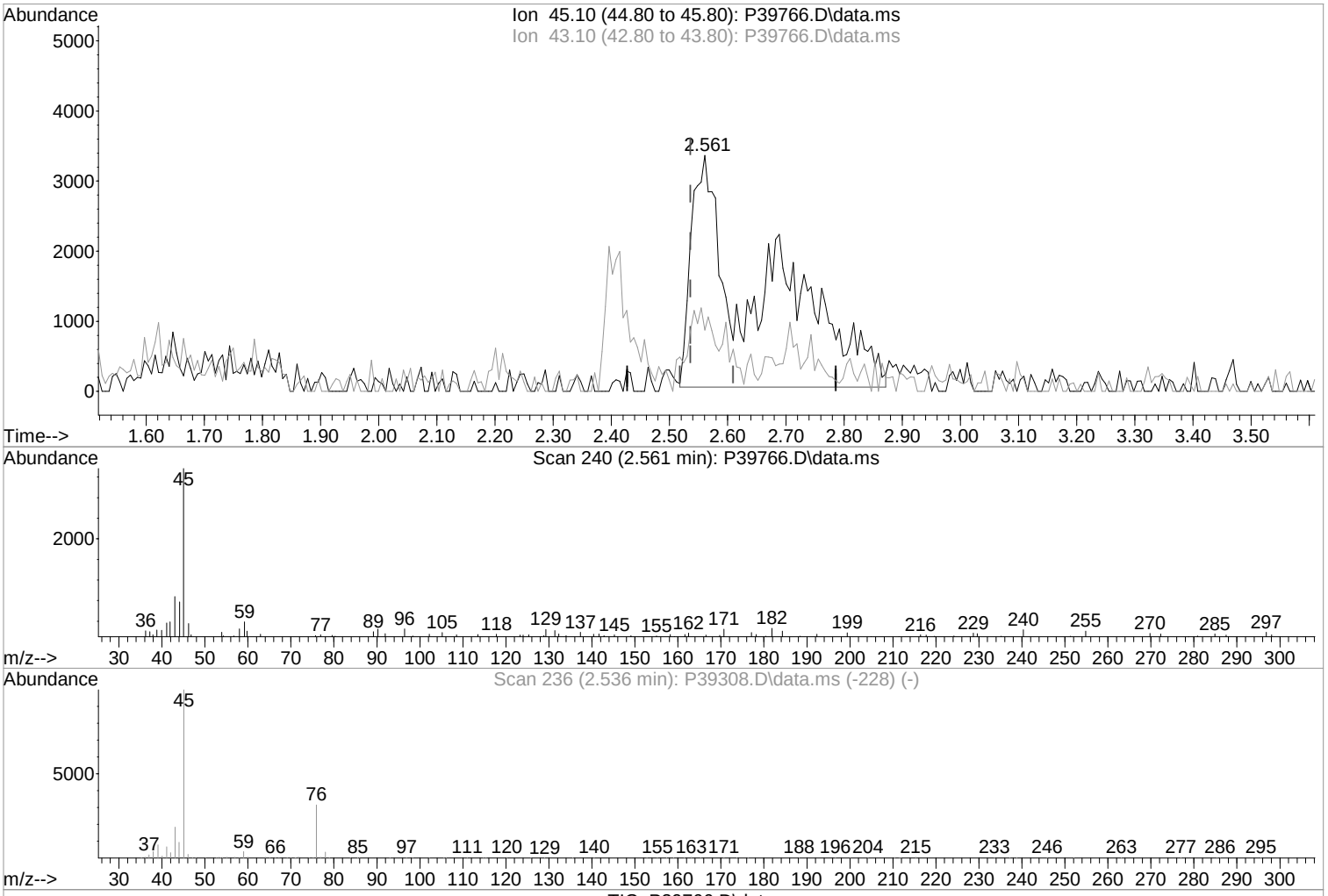
Ion	Ratio	Lower	Upper
130	100		
132	89.8	73.9	113.9
95	90.1	71.2	111.2
97	61.9	36.6	76.6



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39766.D
Acq On : 18 Sep 2020 1:42 am
Operator : K.Ruest
Sample : R2008511-011|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 18 10:43:56 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: P39766.D\data.ms

(16) 2-Propanol

2.561min (+0.024) 80.36 ppb m

response 27277

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	26.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

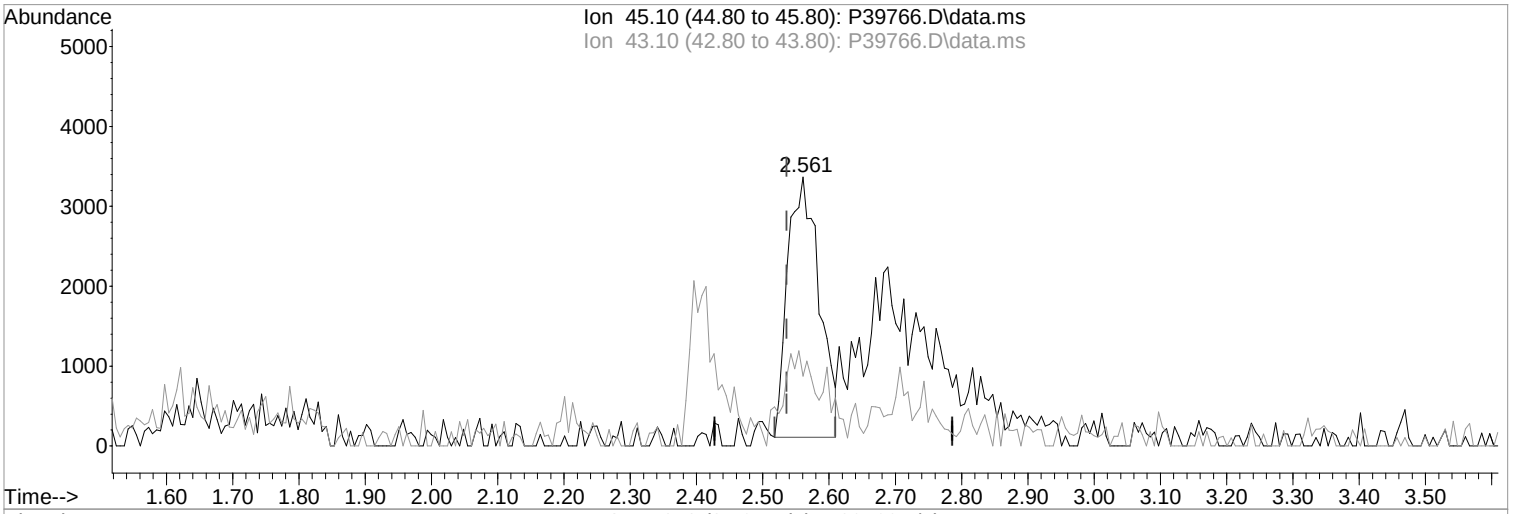
09/22/20

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

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39766.D
Acq On : 18 Sep 2020 1:42 am
Operator : K.Ruest
Sample : R2008511-011|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 18 10:43:56 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: P39766.D\data.ms

(16) 2-Propanol

2.561min (+0.024) 31.55 ppb

response 10709

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	26.02
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 : P39766.D
Acq On : 18 Sep 2020 1:42 am
Operator : K.Ruest
Sample : R2008511-011|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 22 14:04:19 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

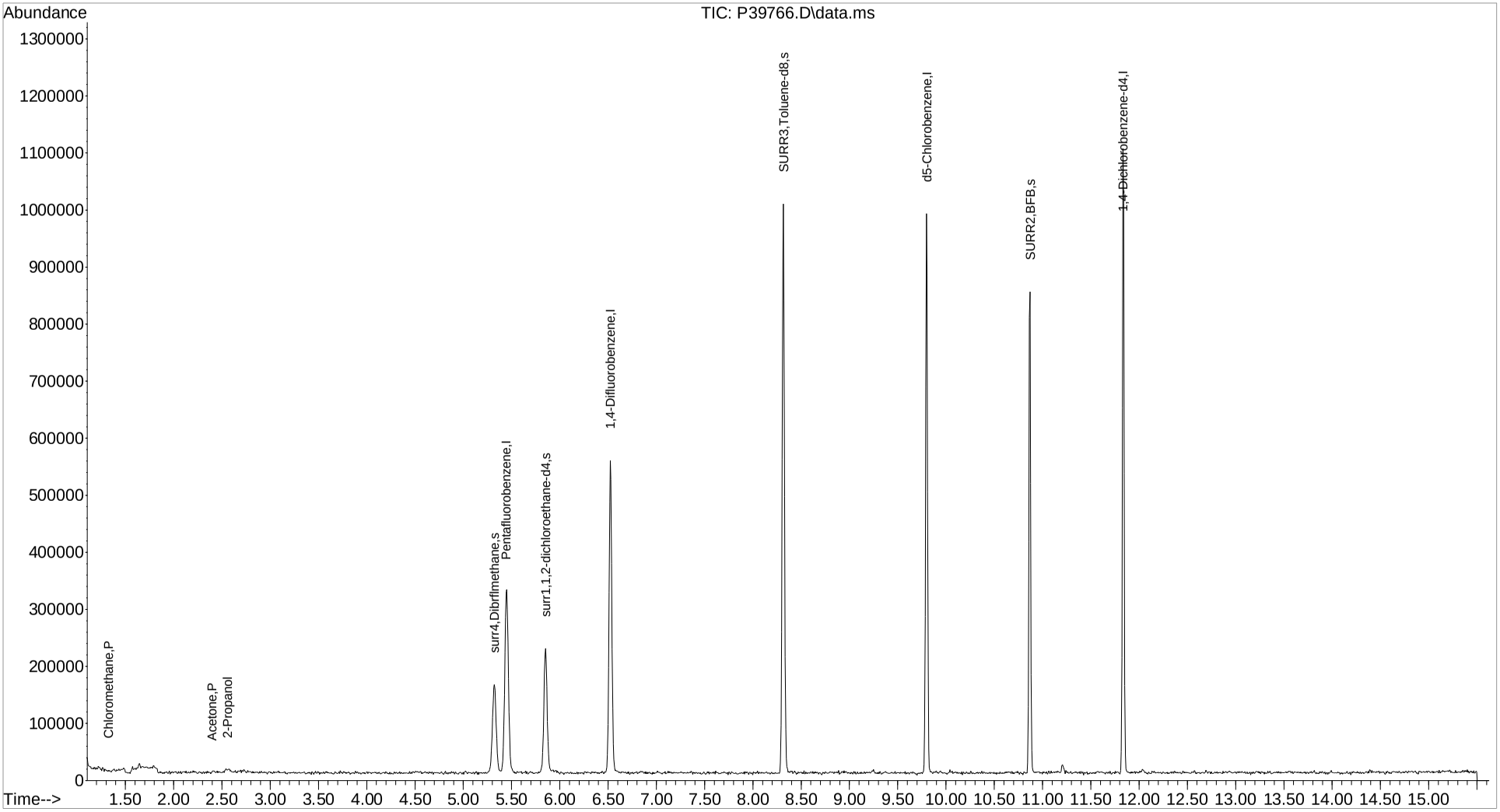
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	283596	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.523	114	465361	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	420849	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	207860	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.322	113	128072	46.88	ppb	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.76%			
48) surr1,1,2-dichloroetha...	5.853	65	185871	50.97	ppb	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.94%			
65) SURR3,Toluene-d8	8.316	98	620986	50.02	ppb	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.04%			
70) SURR2,BFB	10.870	95	226547	47.05	ppb	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.10%			
Target Compounds						Qvalue
3) Chloromethane	1.323	50	2262	0.58	ppb	79
15) Acetone	2.396	43	5731	4.20	ppb	80
16) 2-Propanol	2.561	45	27277m	80.36	ppb	

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

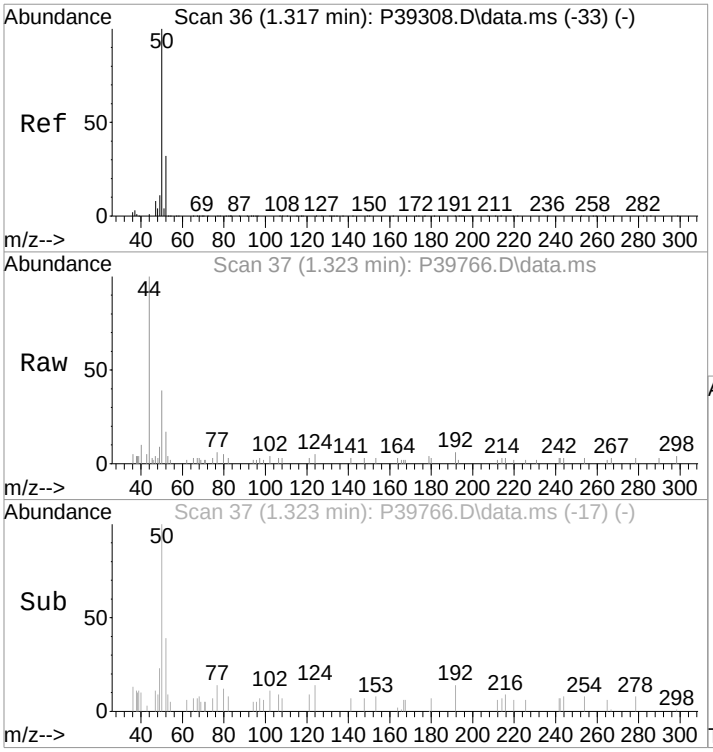
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39766.D
Acq On : 18 Sep 2020 1:42 am
Operator : K.Ruest
Sample : R2008511-011|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 22 14:04:19 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



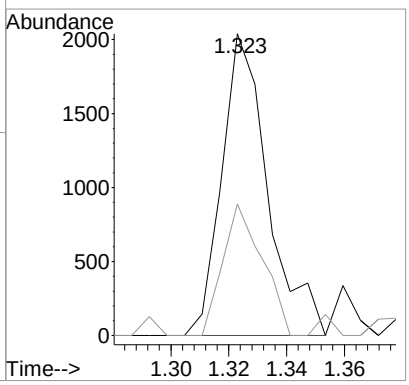
1st 09/22/20
2nd 09/22/20

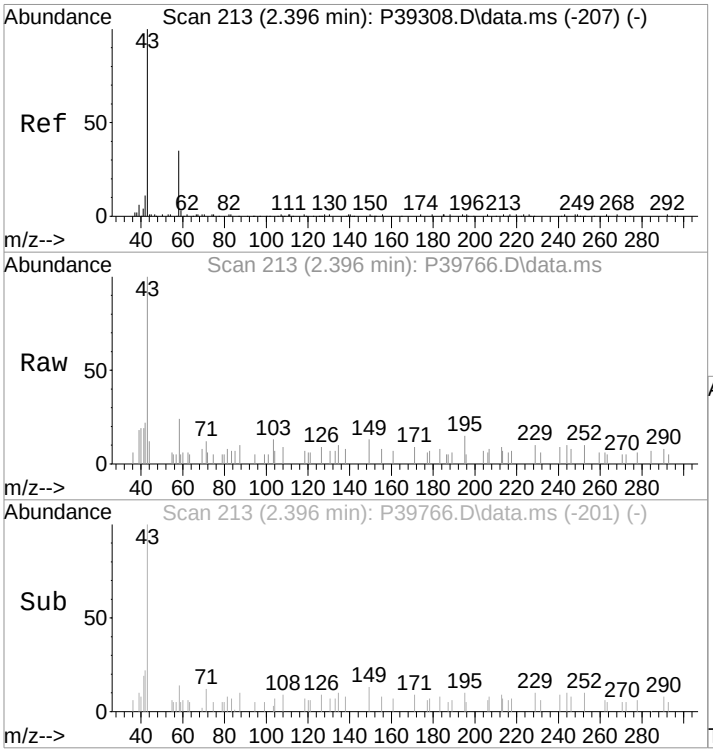


#3
Chloromethane
Concen: 0.58 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39766.D
Acq: 18 Sep 2020 1:42 am

Tgt Ion: 50 Resp: 2262

Ion	Ratio	Lower	Upper
50	100		
52	43.6	12.1	52.1

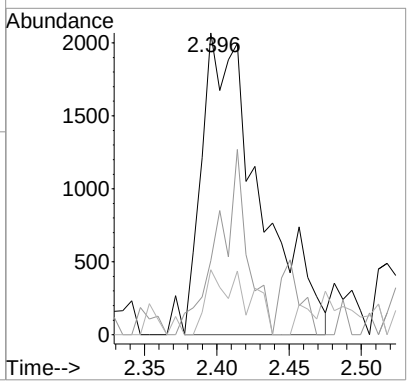


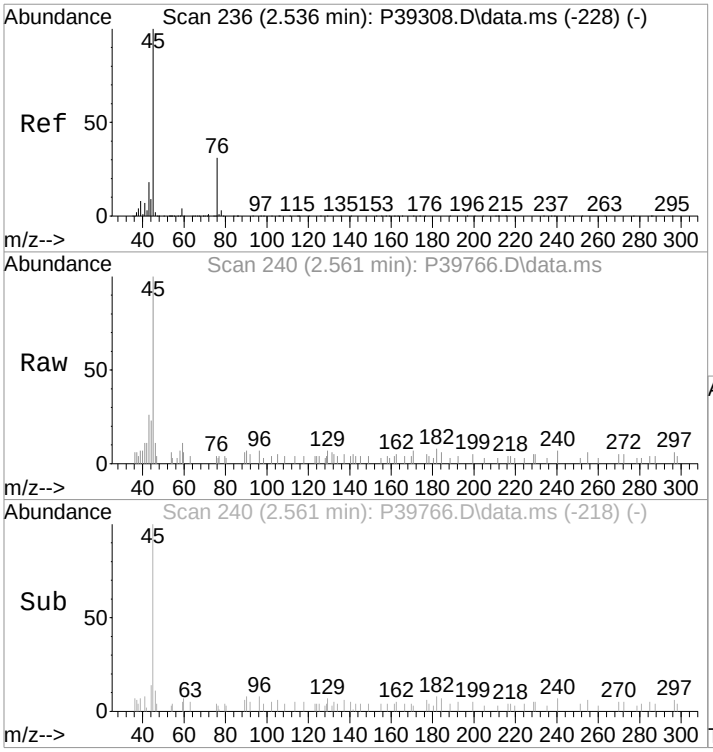


#15
Acetone
Concen: 4.20 ppb
RT: 2.396 min Scan# 213
Delta R.T. -0.000 min
Lab File: P39766.D
Acq: 18 Sep 2020 1:42 am

Tgt Ion: 43 Resp: 5731

Ion	Ratio	Lower	Upper
43	100		
58	24.5	14.8	54.8
42	21.6	0.0	31.4

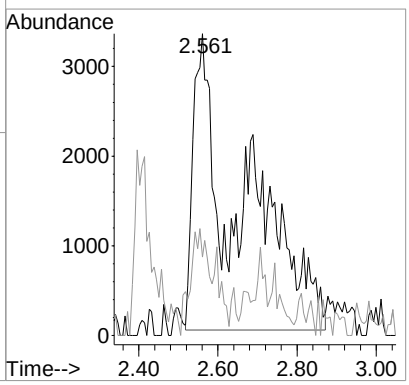




#16
2-Propanol
Concen: 80.36 ppb m
RT: 2.561 min Scan# 240
Delta R.T. 0.024 min
Lab File: P39766.D
Acq: 18 Sep 2020 1:42 am

Tgt Ion: 45 Resp: 27277

Ion	Ratio	Lower	Upper
45	100		
43	26.0	3.1	43.1

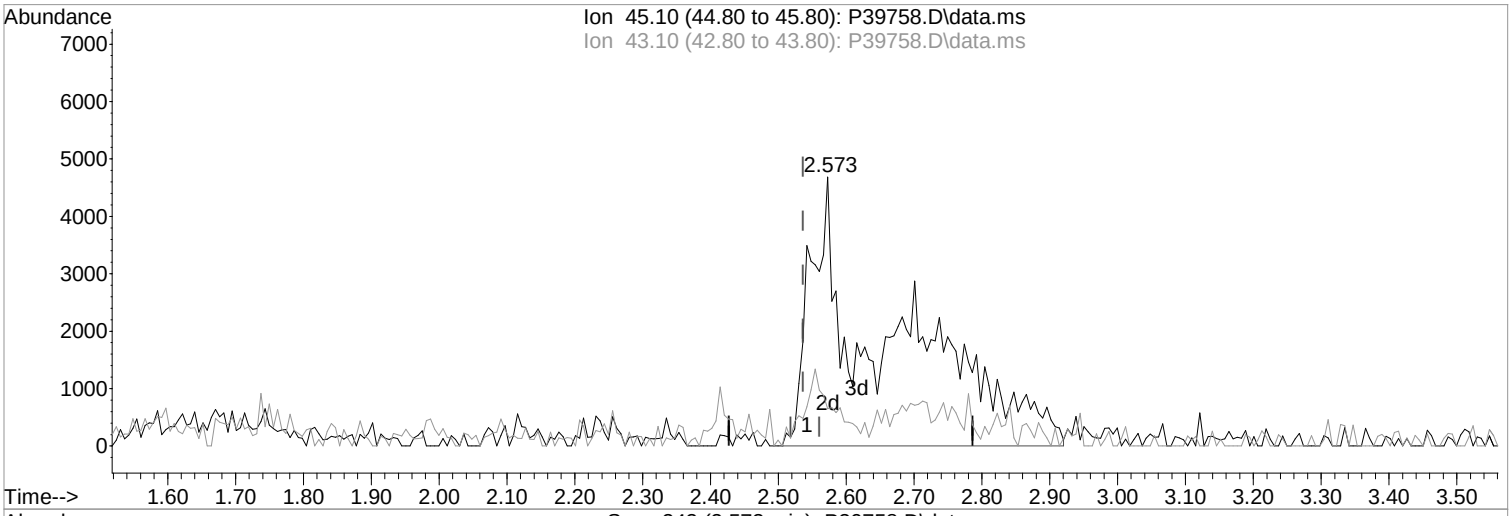


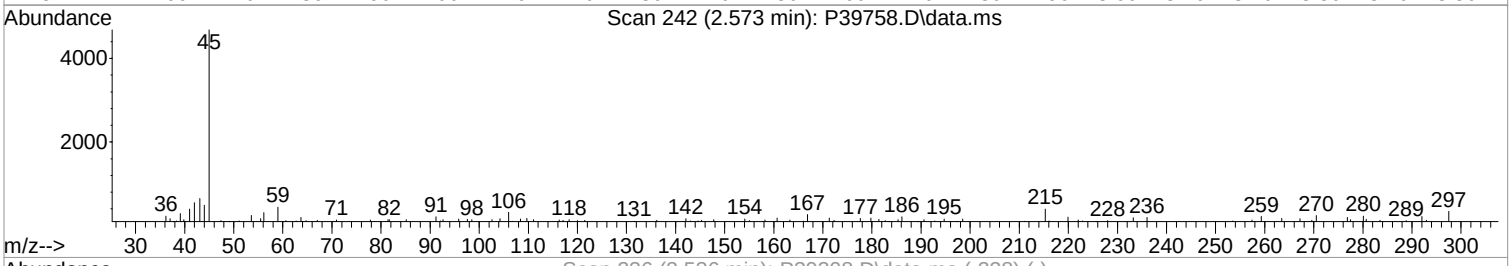
1st 09/18/20
2nd 09/22/20

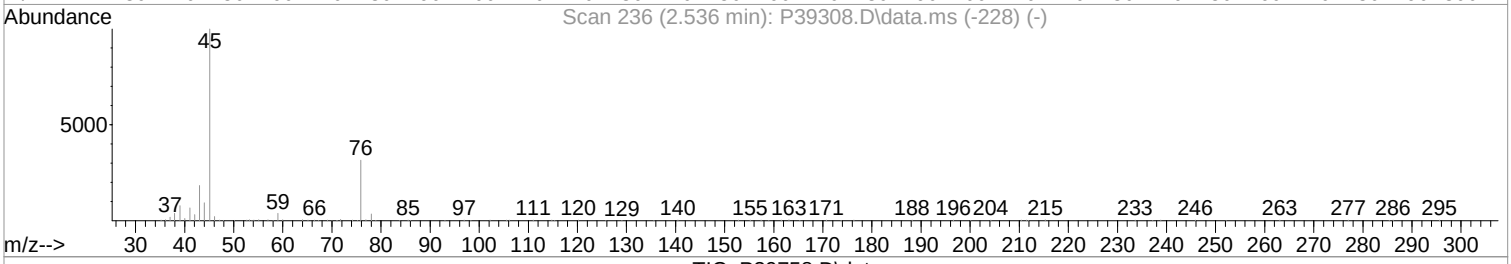
Quantitation Report (Qedit)

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

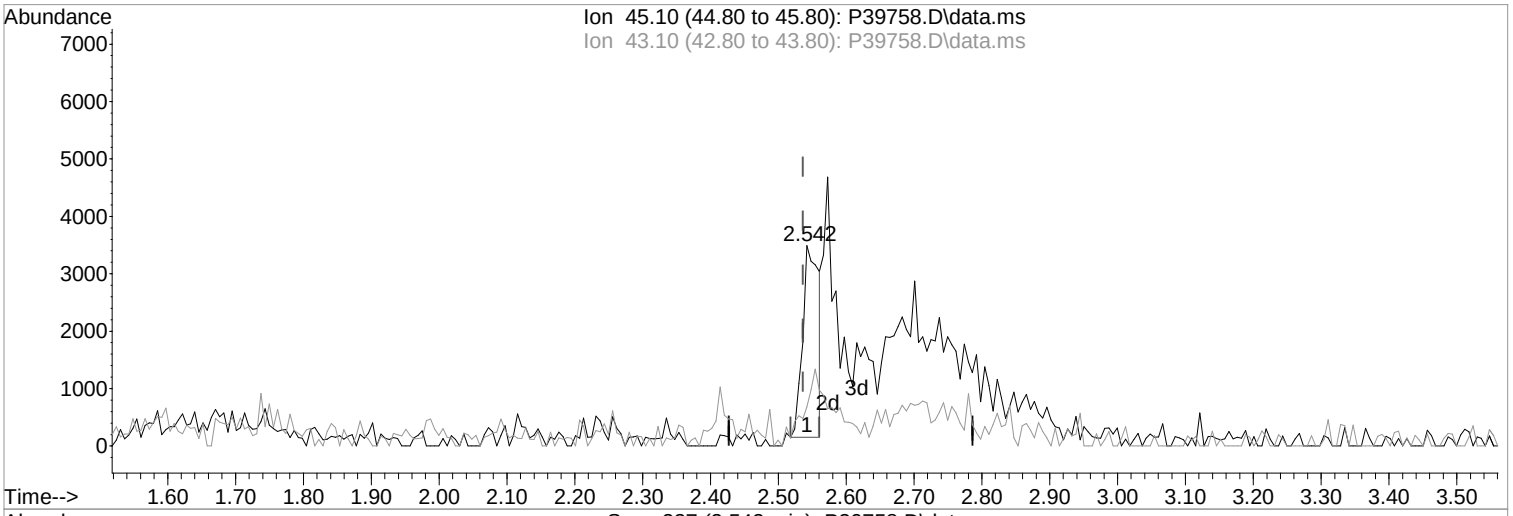
Poor integration.

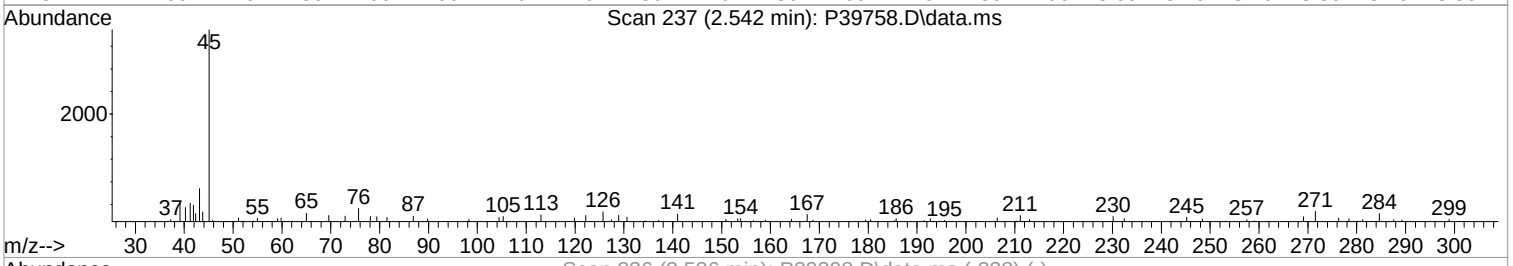
09/18/20

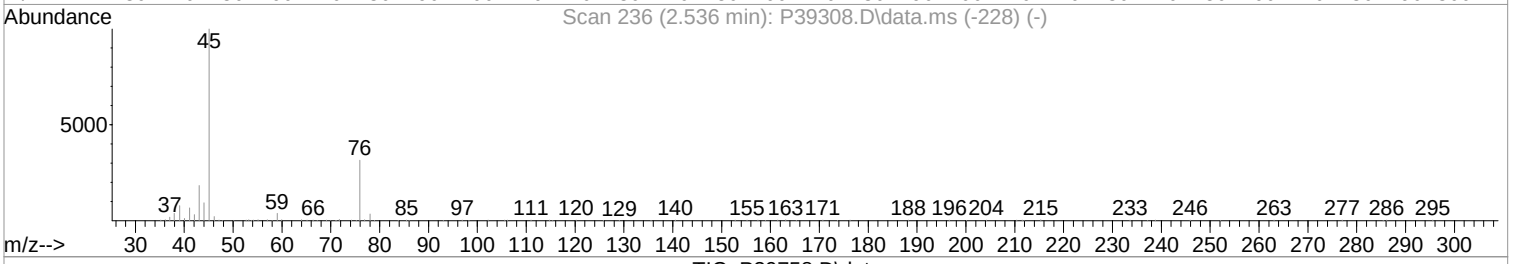
Quantitation Report (Qedit)

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

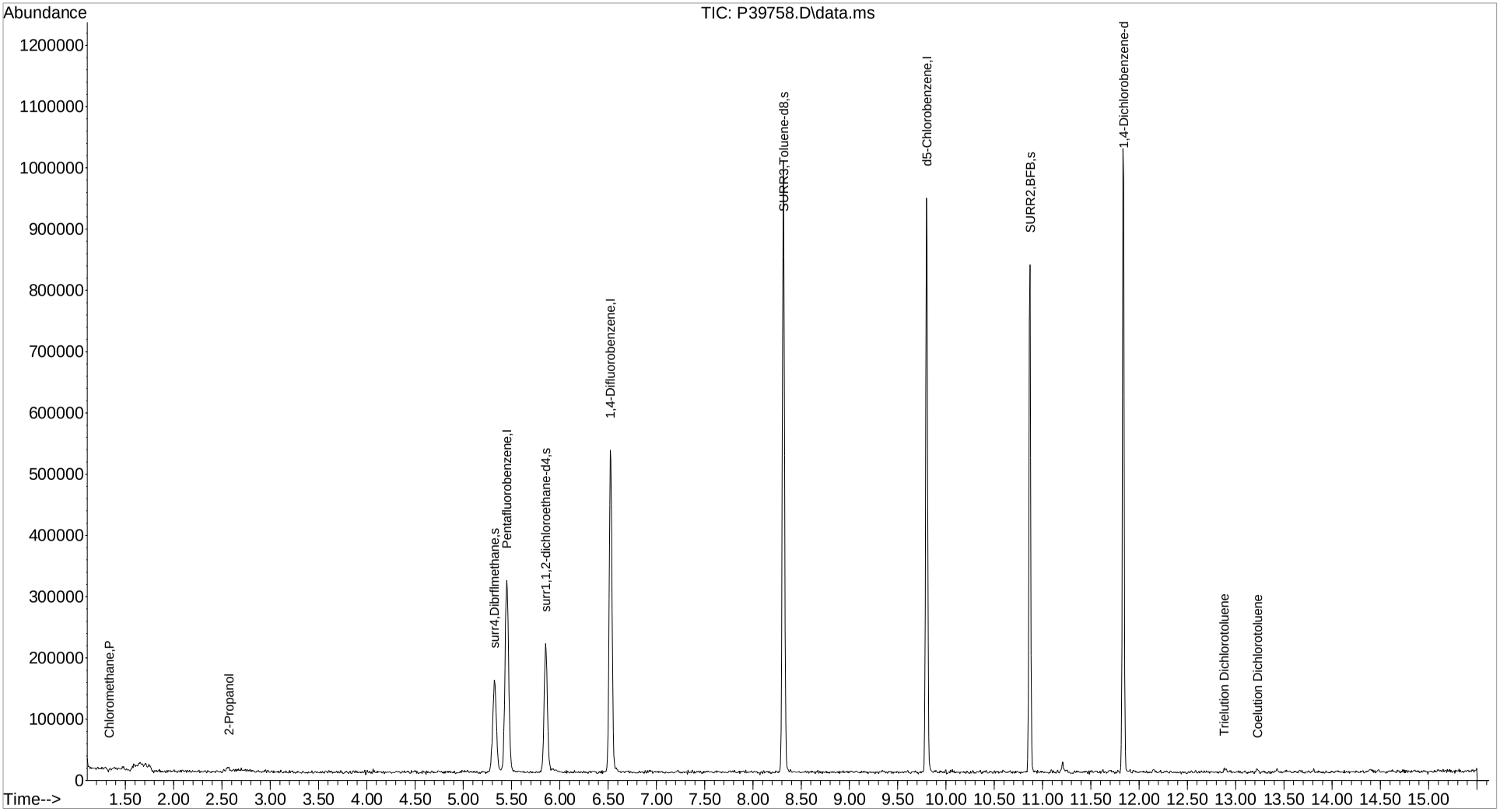
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	278325	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	461360	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	414608	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	195861	50.00	ppb		0.00
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

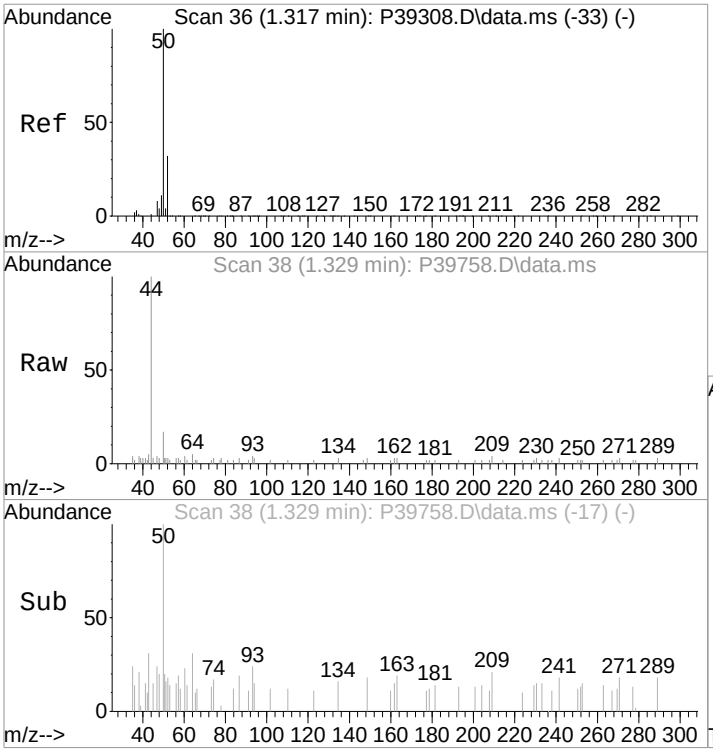
Quantitation Report (QT Reviewed)

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



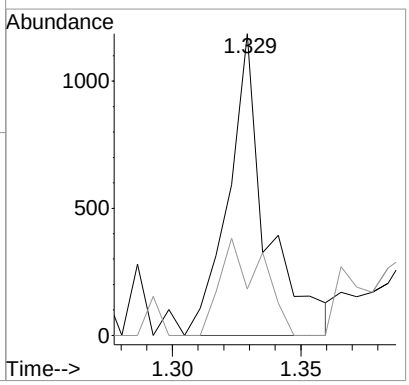
1st 09/18/20
2nd 09/22/20

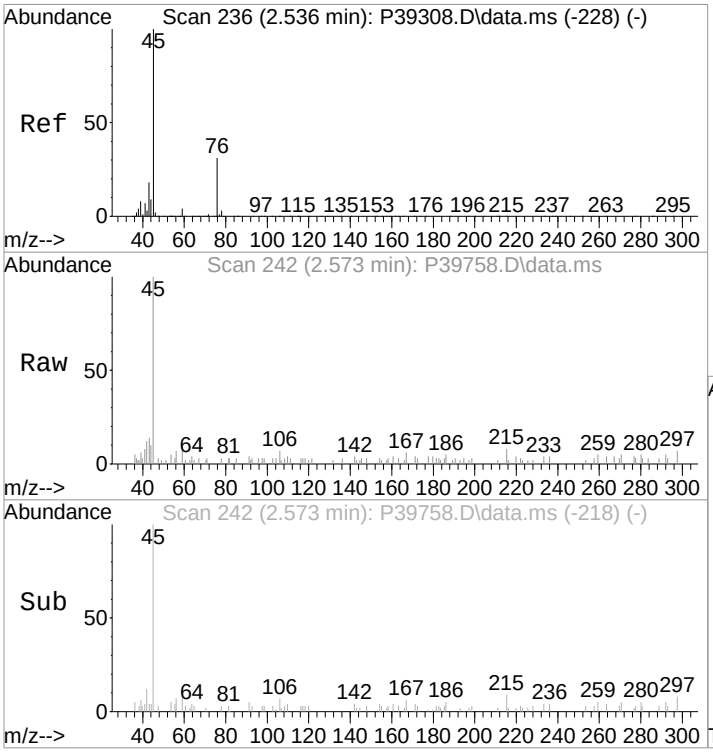


#3
Chloromethane
Concen: 0.32 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P39758.D
Acq: 17 Sep 2020 10:47 pm

Tgt Ion: 50 Resp: 1228

Ion	Ratio	Lower	Upper
50	100		
52	15.3	12.1	52.1

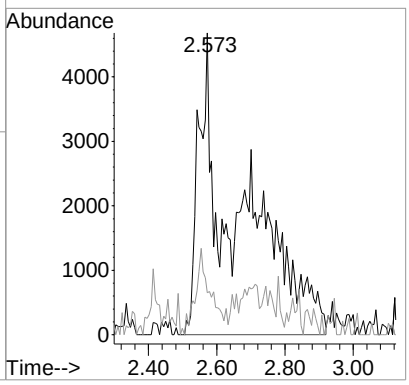


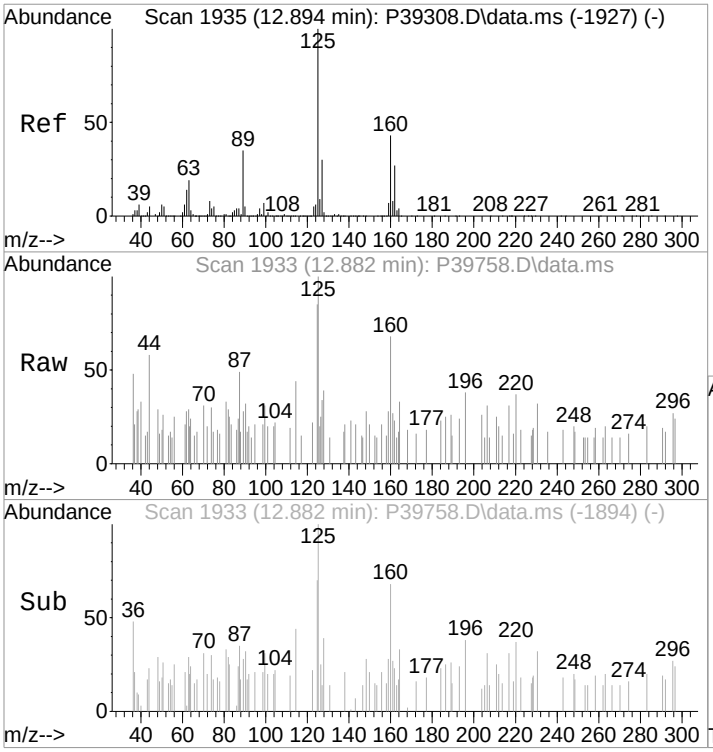


#16
2-Propanol
Concen: 112.73 ppb m
RT: 2.573 min Scan# 242
Delta R.T. 0.037 min
Lab File: P39758.D
Acq: 17 Sep 2020 10:47 pm

Tgt Ion: 45 Resp: 37552

Ion	Ratio	Lower	Upper
45	100		
43	13.9	3.1	43.1

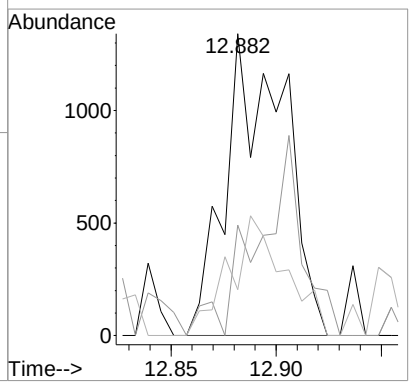


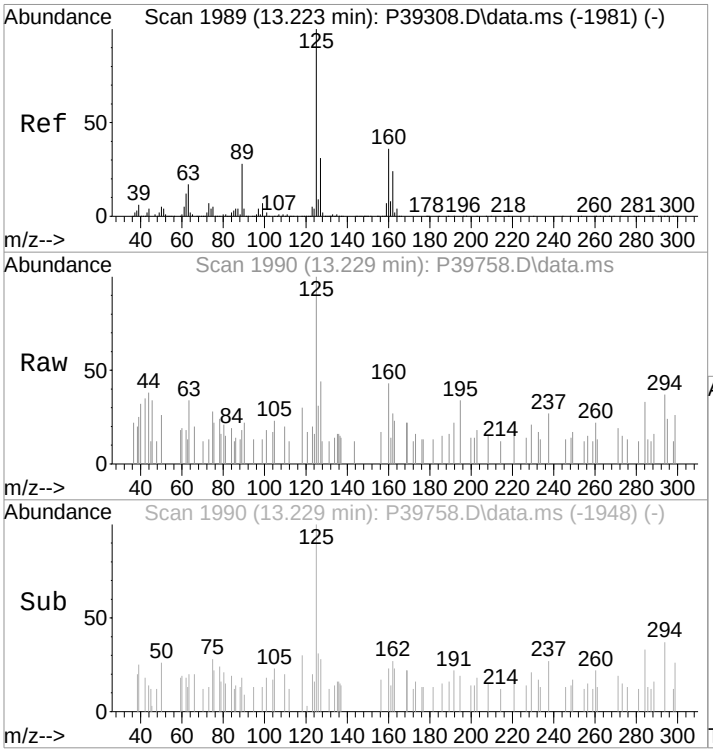


#112
Trielution Dichlorotoluene
Concen: 0.44 ppb
RT: 12.882 min Scan# 1933
Delta R.T. -0.012 min
Lab File: P39758.D
Acq: 17 Sep 2020 10:47 pm

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#

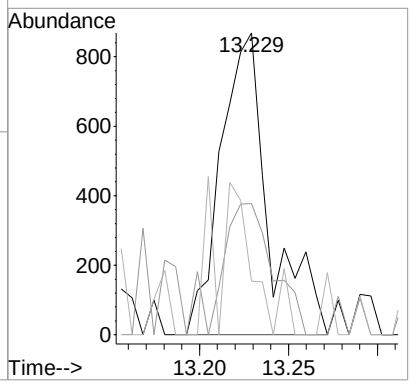




#114
Coelution Dichlorotoluene
Concen: 0.25 ppb
RT: 13.229 min Scan# 1990
Delta R.T. 0.006 min
Lab File: P39758.D
Acq: 17 Sep 2020 10:47 pm

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#

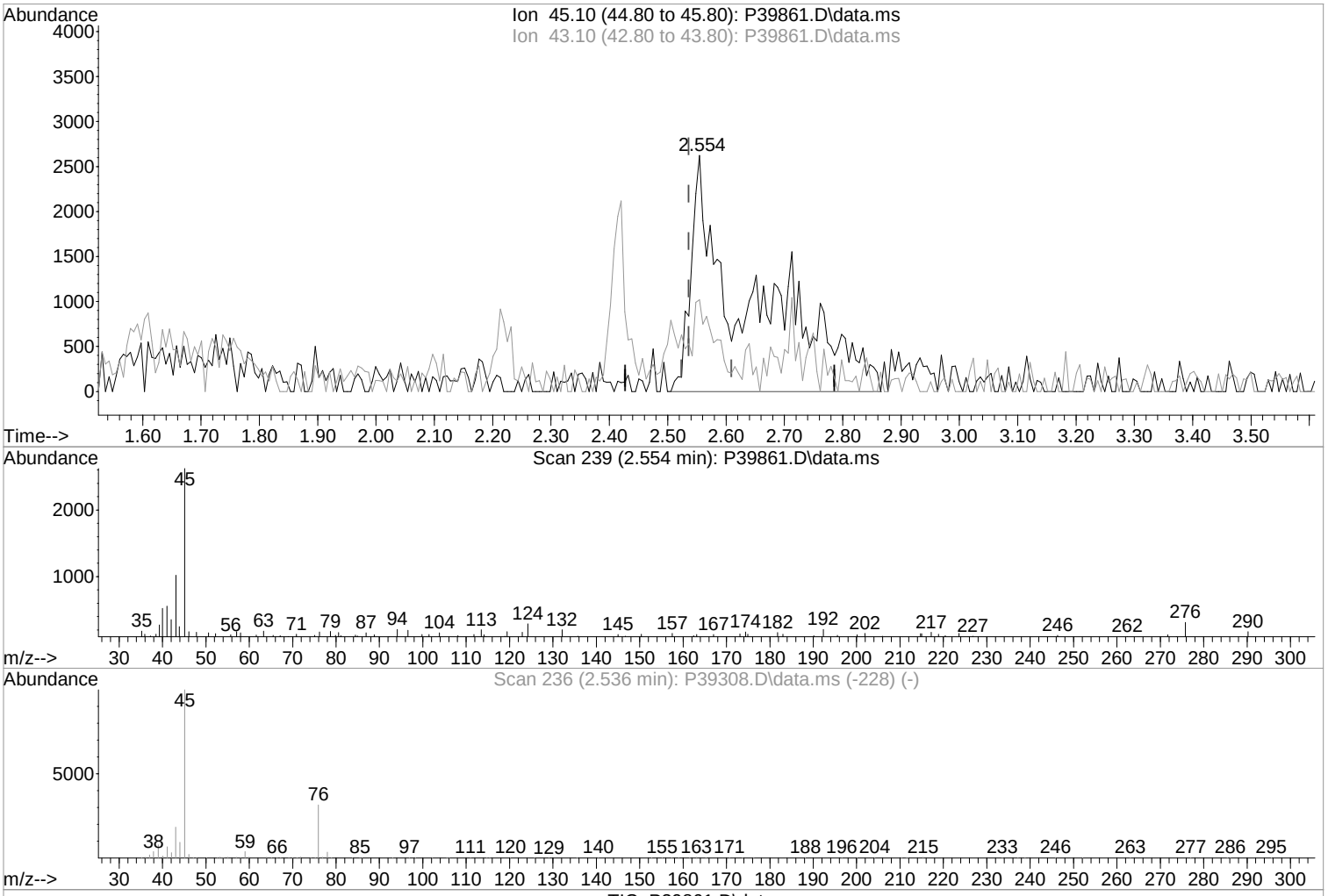


1st 09/21/20
2nd 09/24/20

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.

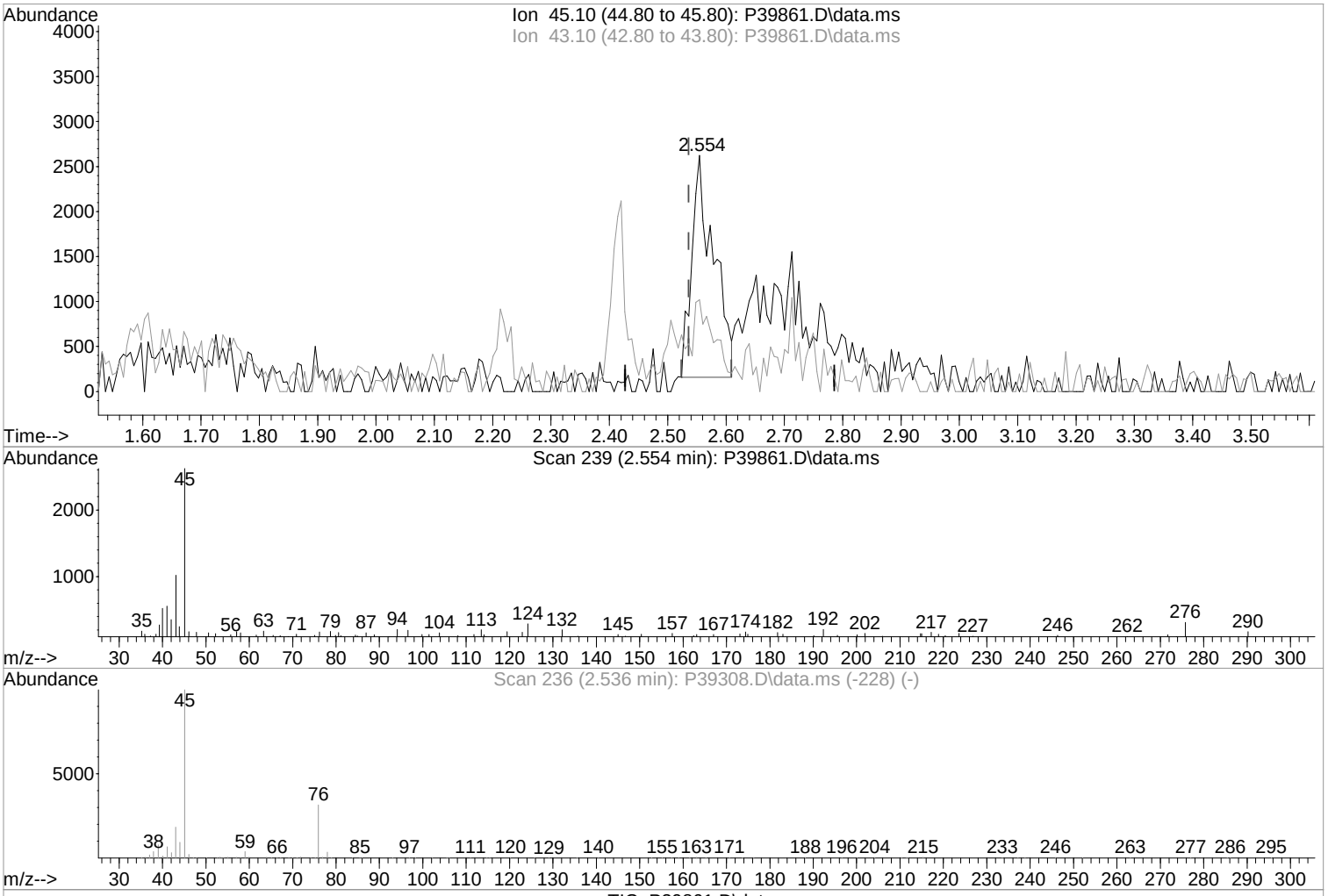
09/21/20

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) 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

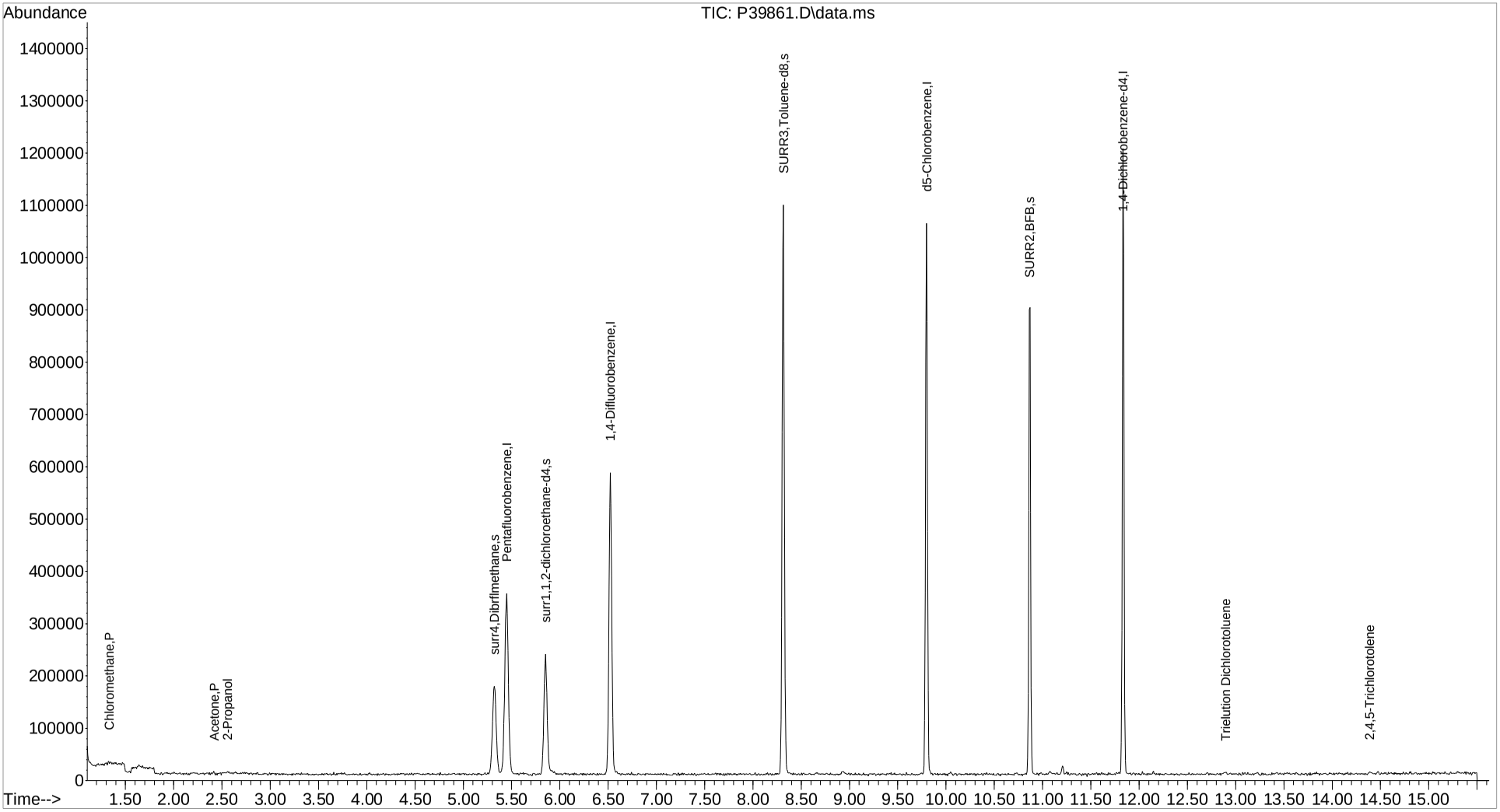
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	308501	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	499314	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	457241	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	223542	50.00	ppb		0.00
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

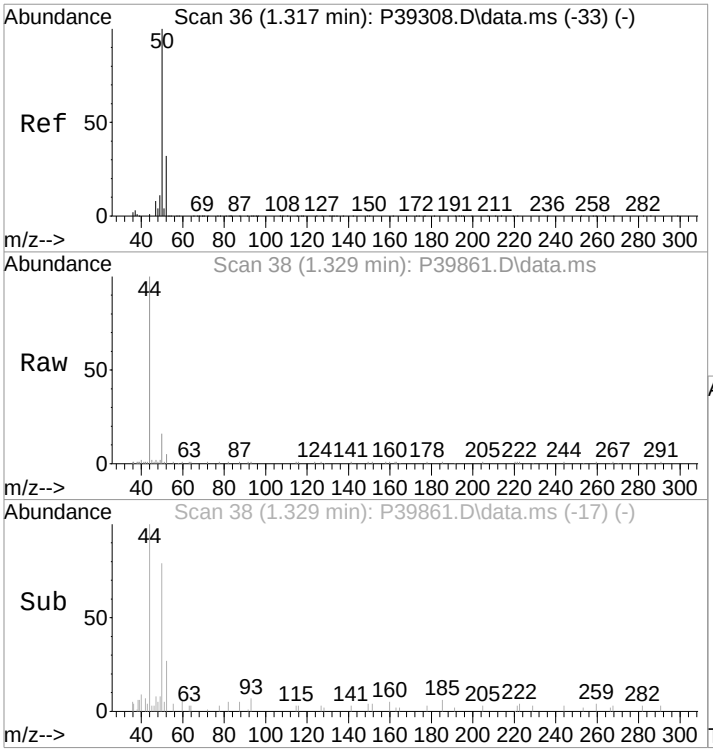
Quantitation Report (QT Reviewed)

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



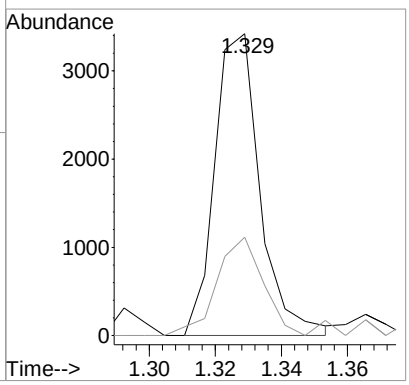
1st 09/21/20
2nd 09/24/20

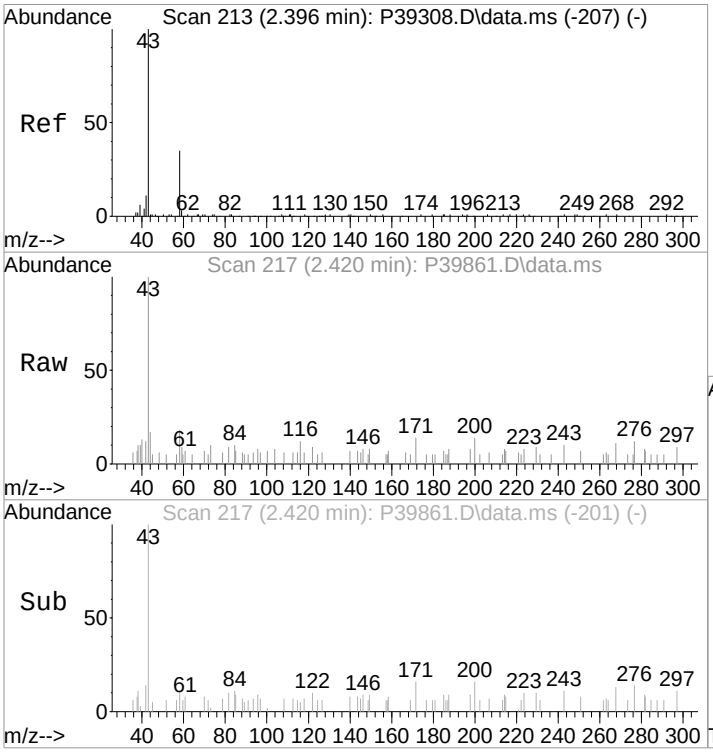


#3
Chloromethane
Concen: 0.78 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

Tgt Ion: 50 Resp: 3277

Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.1	52.1

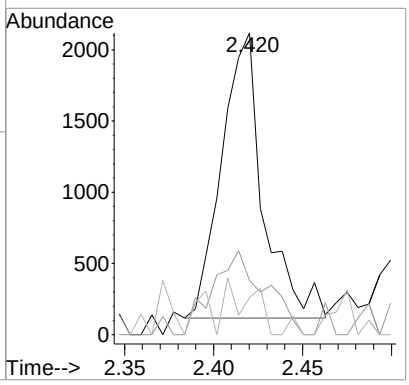


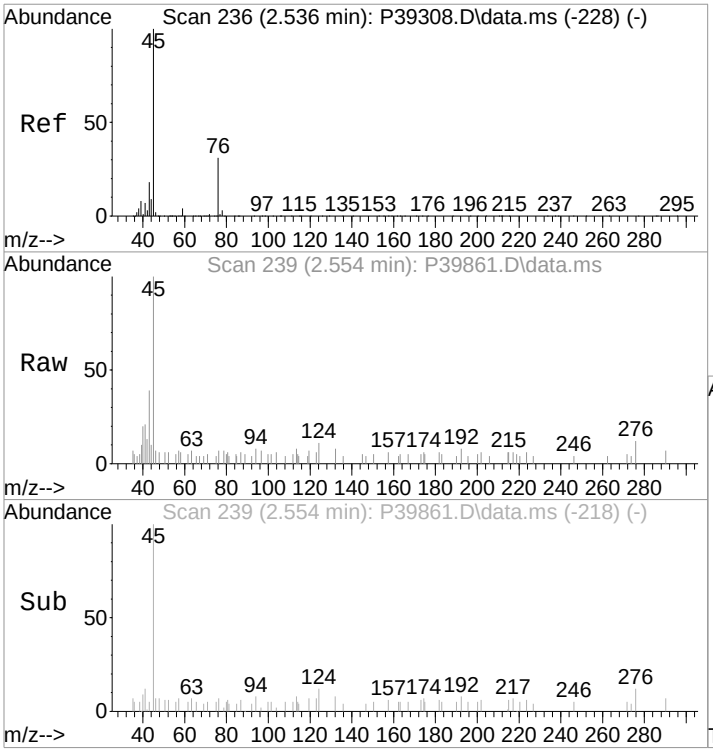


#15
Acetone
Concen: 2.19 ppb
RT: 2.420 min Scan# 217
Delta R.T. 0.024 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

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

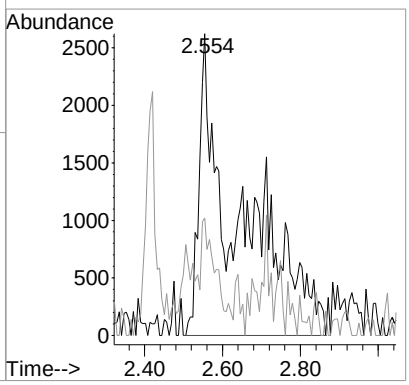


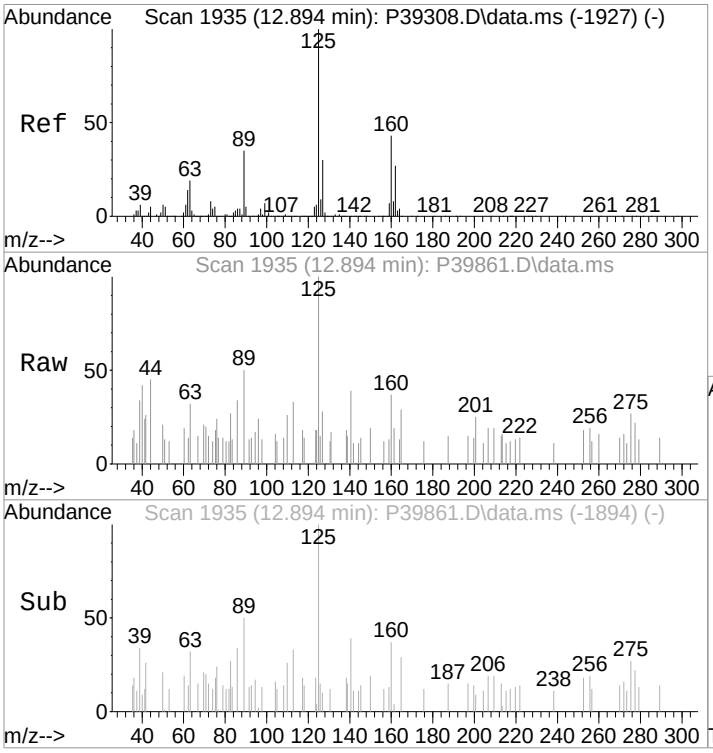


#16
2-Propanol
Concen: 49.49 ppb m
RT: 2.554 min Scan# 239
Delta R.T. 0.018 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

Tgt Ion: 45 Resp: 18274

Ion	Ratio	Lower	Upper
45	100		
43	38.9	3.1	43.1

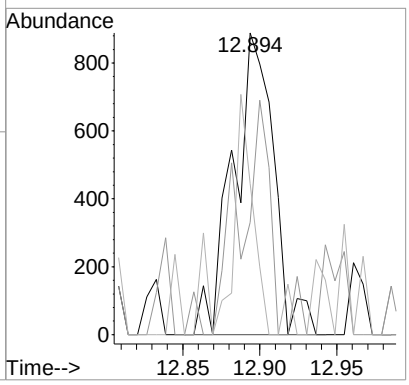


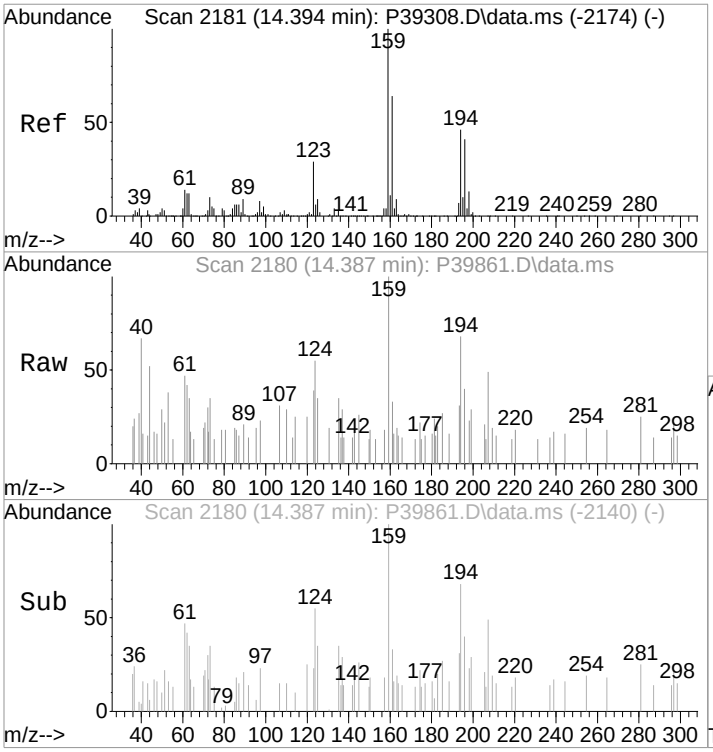


#112
Trielution Dichlorotoluene
Concen: 0.24 ppb
RT: 12.894 min Scan# 1935
Delta R.T. -0.000 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

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#

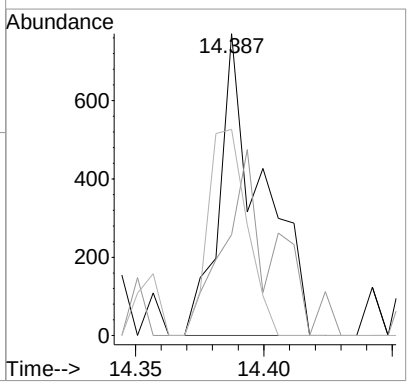




#119
2,4,5-Trichlorotolene
Concen: 0.21 ppb
RT: 14.387 min Scan# 2180
Delta R.T. -0.006 min
Lab File: P39861.D
Acq: 21 Sep 2020 12:19 pm

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#

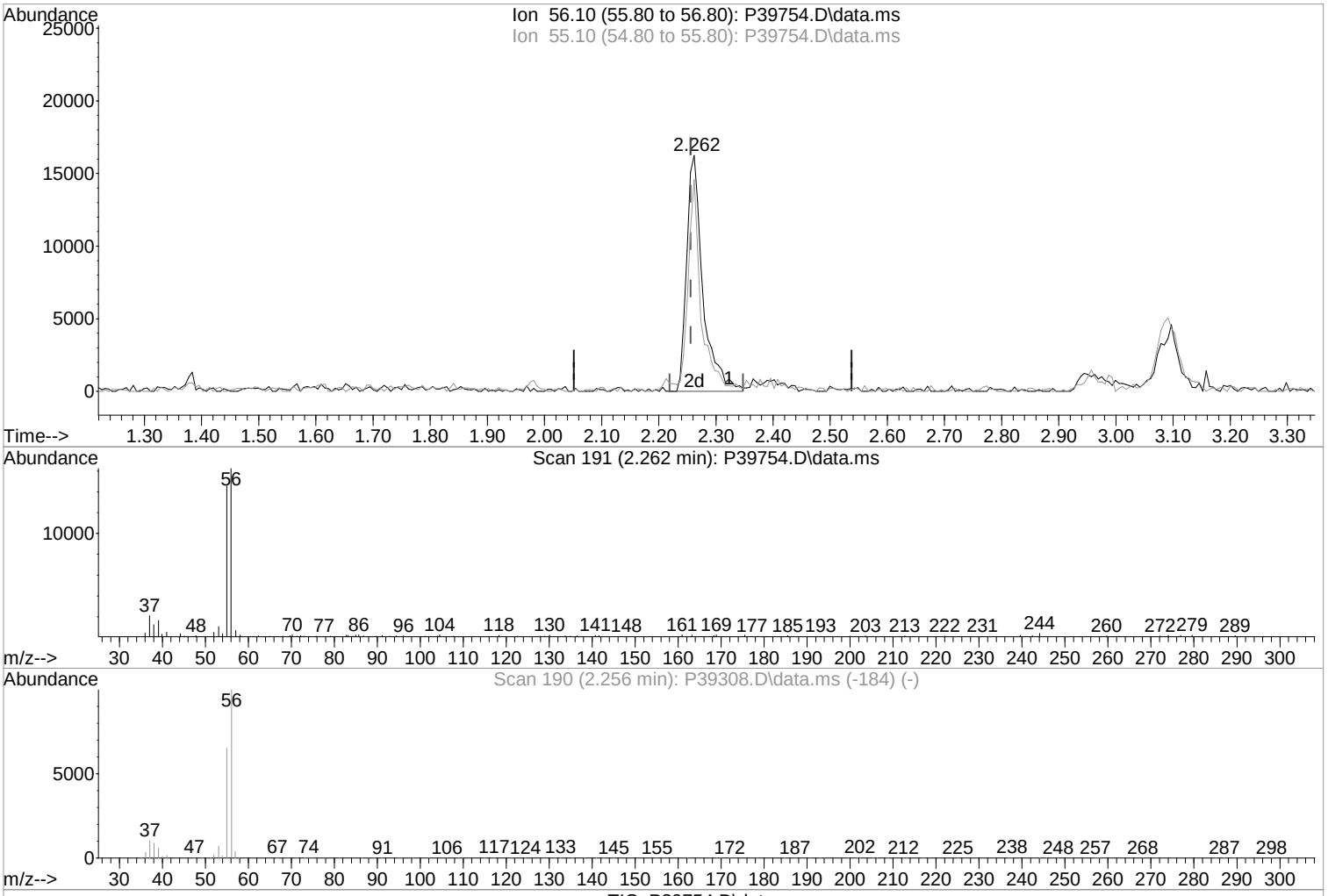


1st 09/18/20
2nd 09/22/20

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.

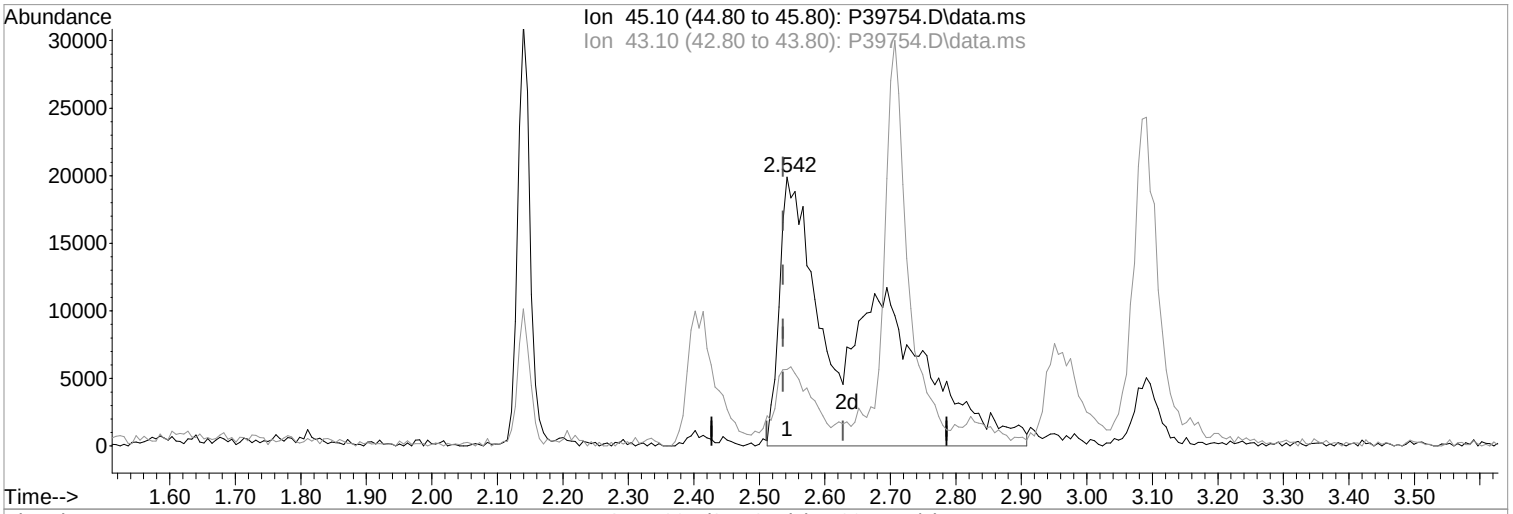
09/18/20

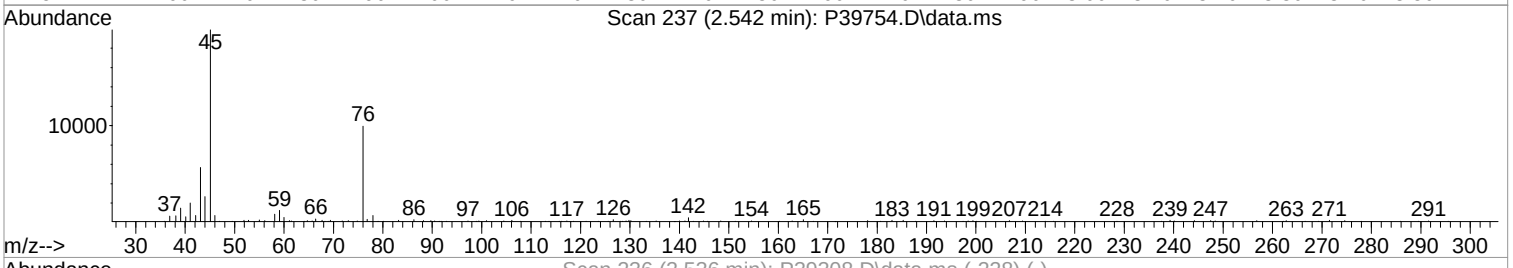
1st 09/18/20
2nd 09/22/20

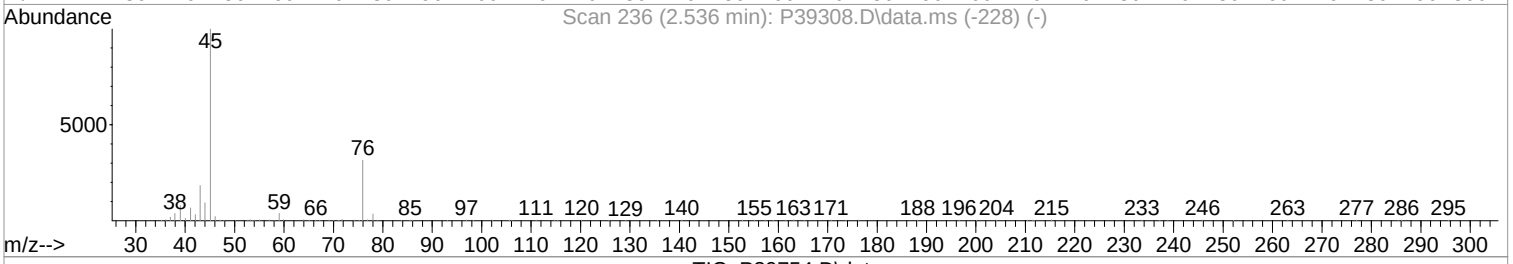
Quantitation Report (Qedit)

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.

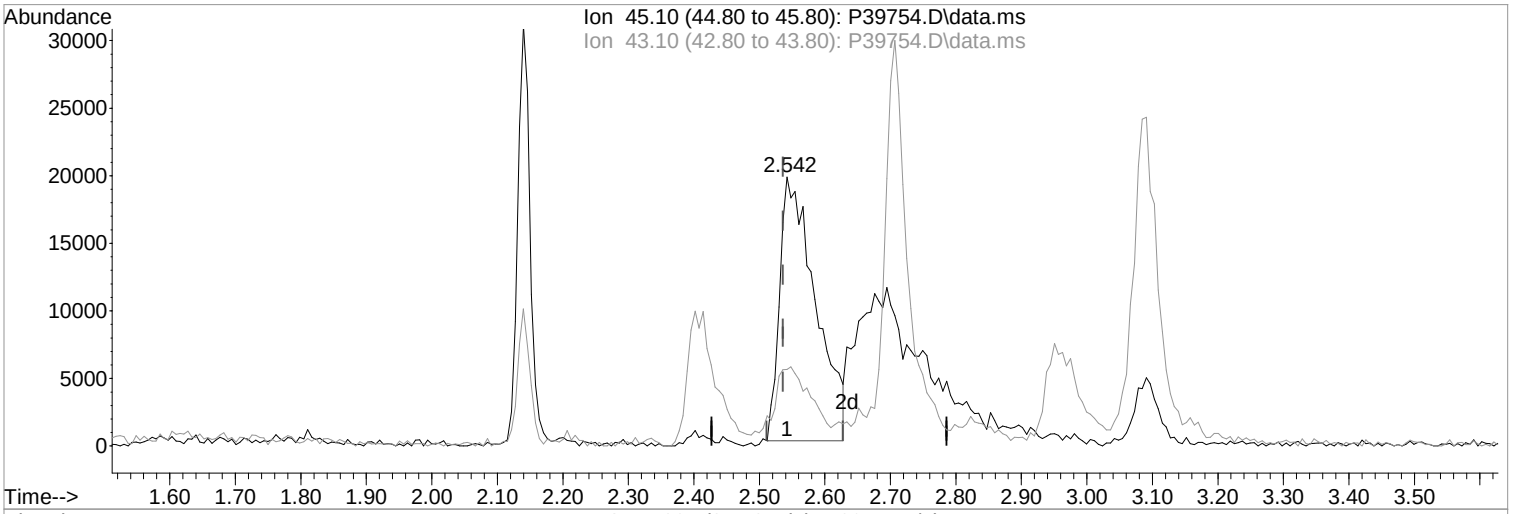
09/18/20

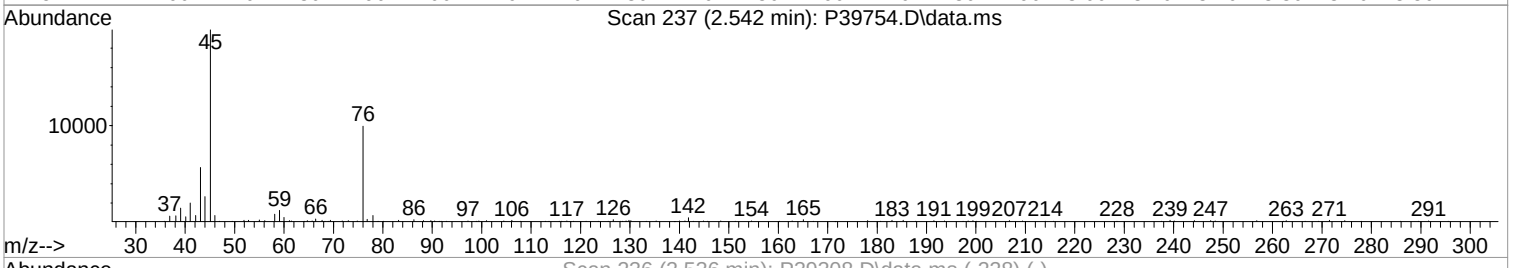
1st 09/18/20
2nd 09/22/20

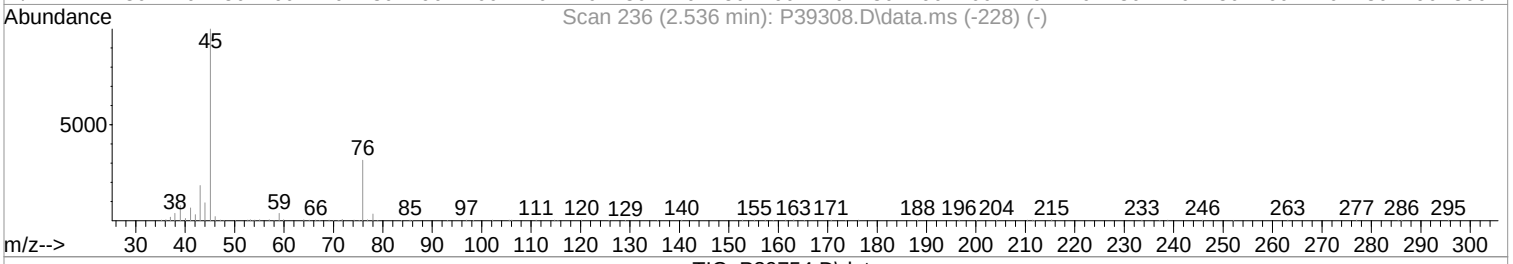
Quantitation Report (Qedit)

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

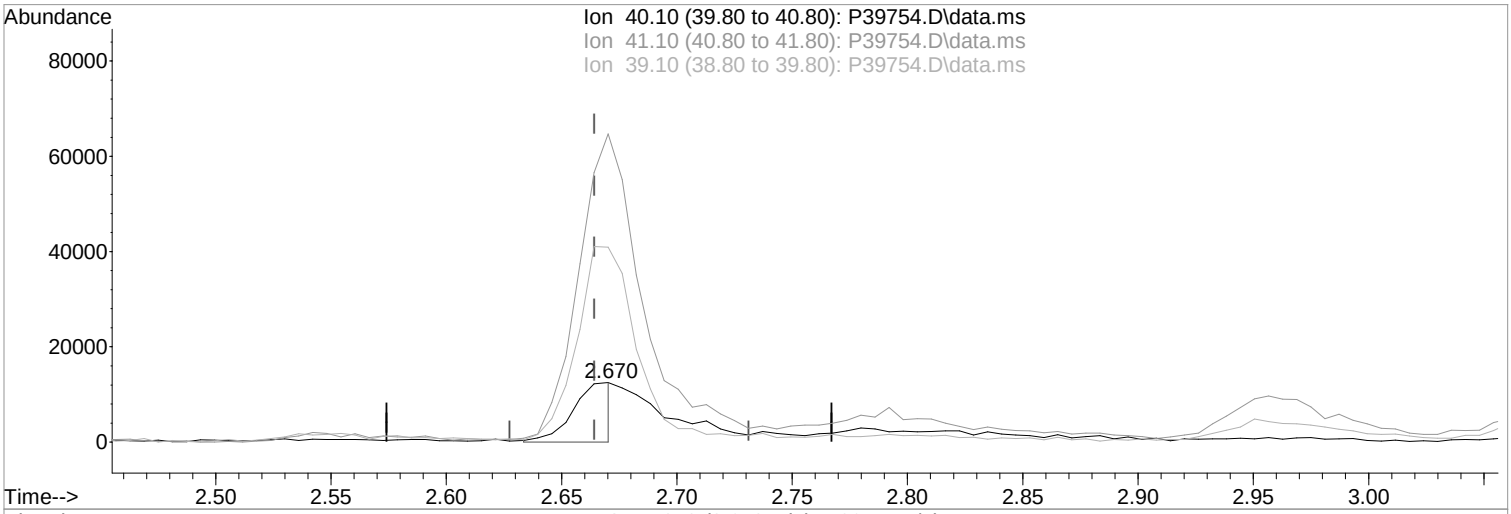
09/18/20

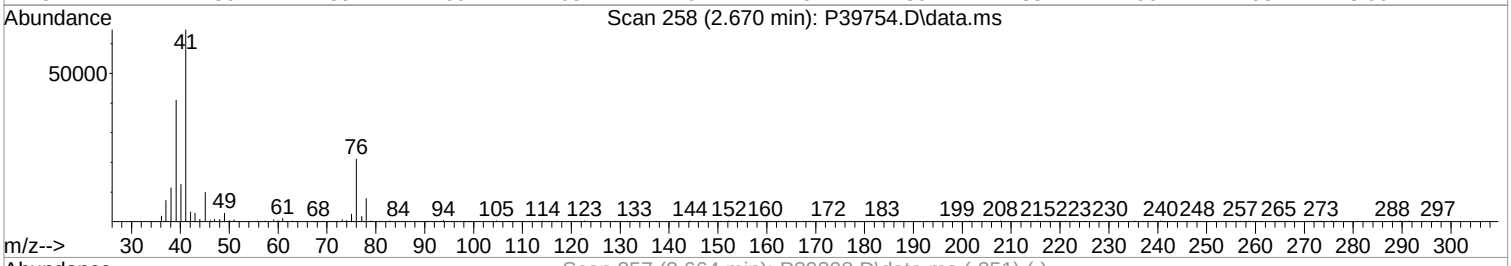
1st 09/18/20
2nd 09/22/20

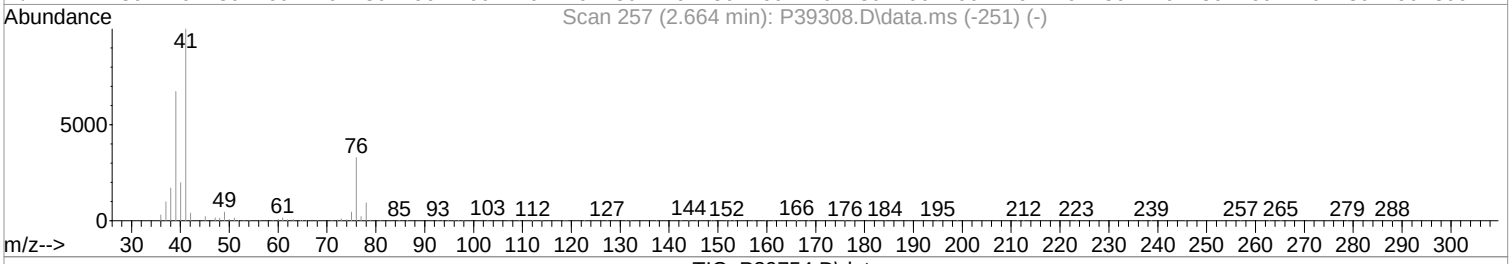
Quantitation Report (Qedit)

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) 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

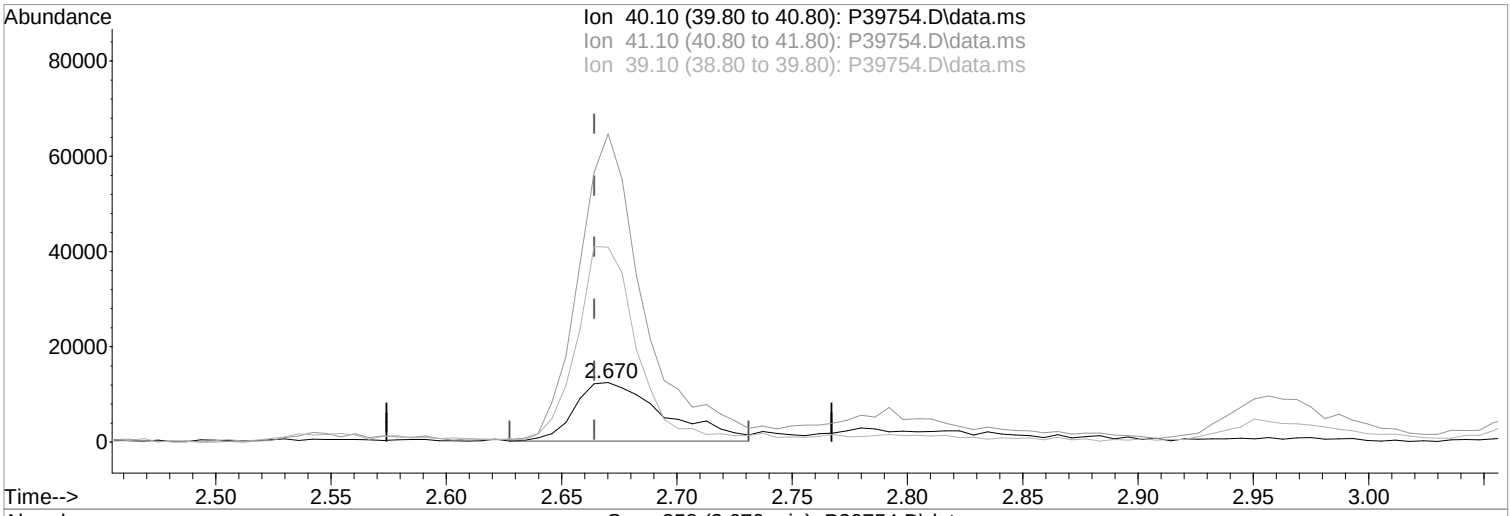
Poor integration.

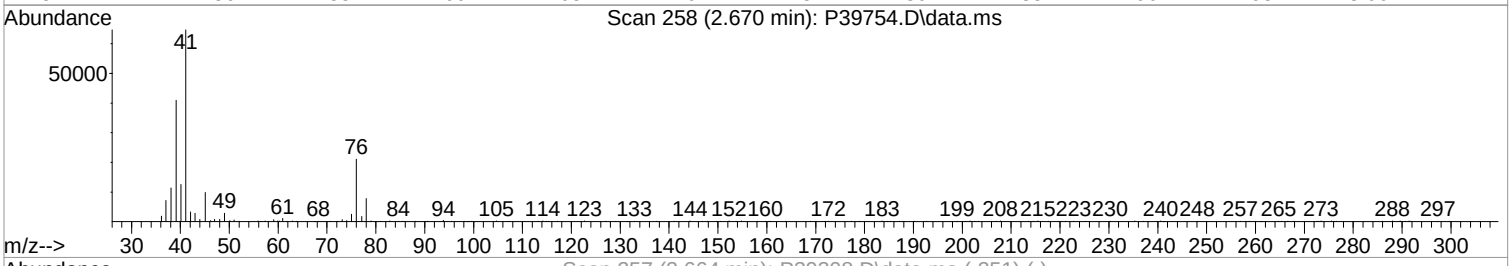
09/18/20

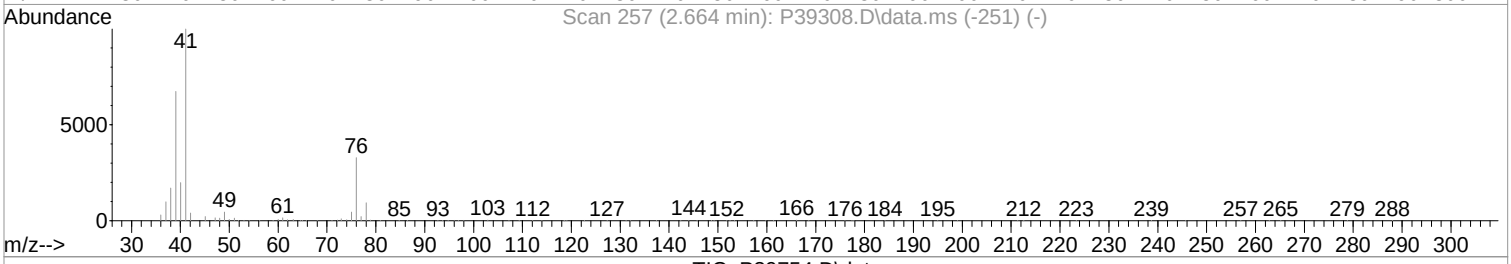
Quantitation Report (Qedit)

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

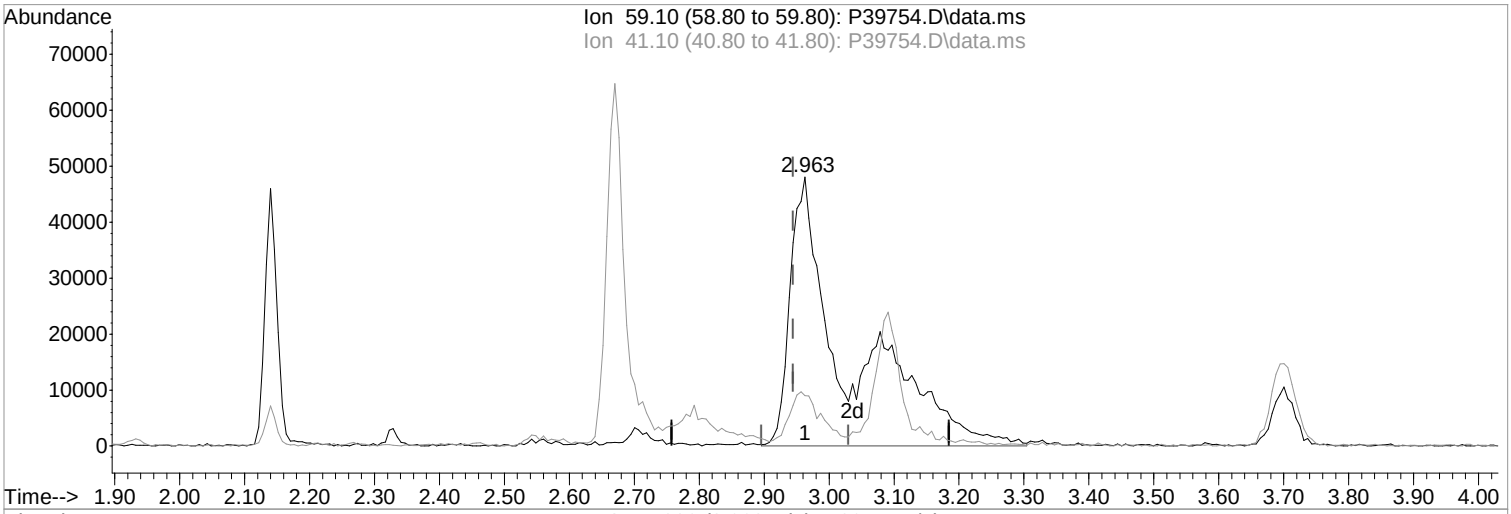
09/18/20

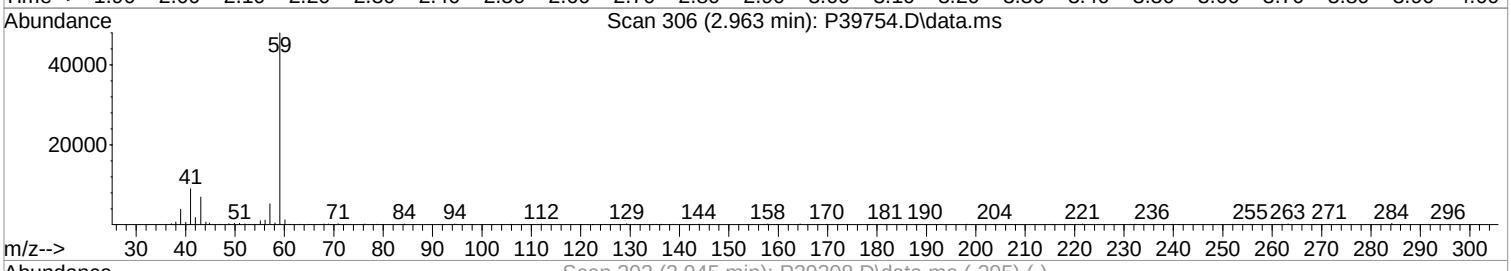
1st 09/18/20
2nd 09/22/20

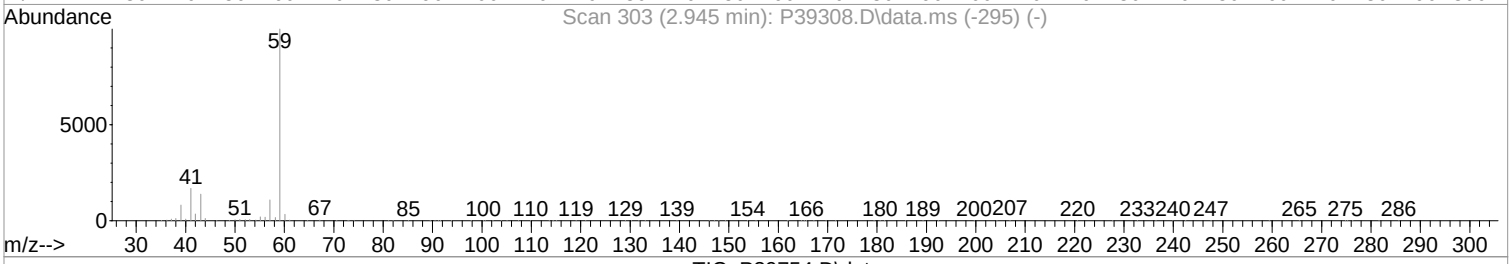
Quantitation Report (Qedit)

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.

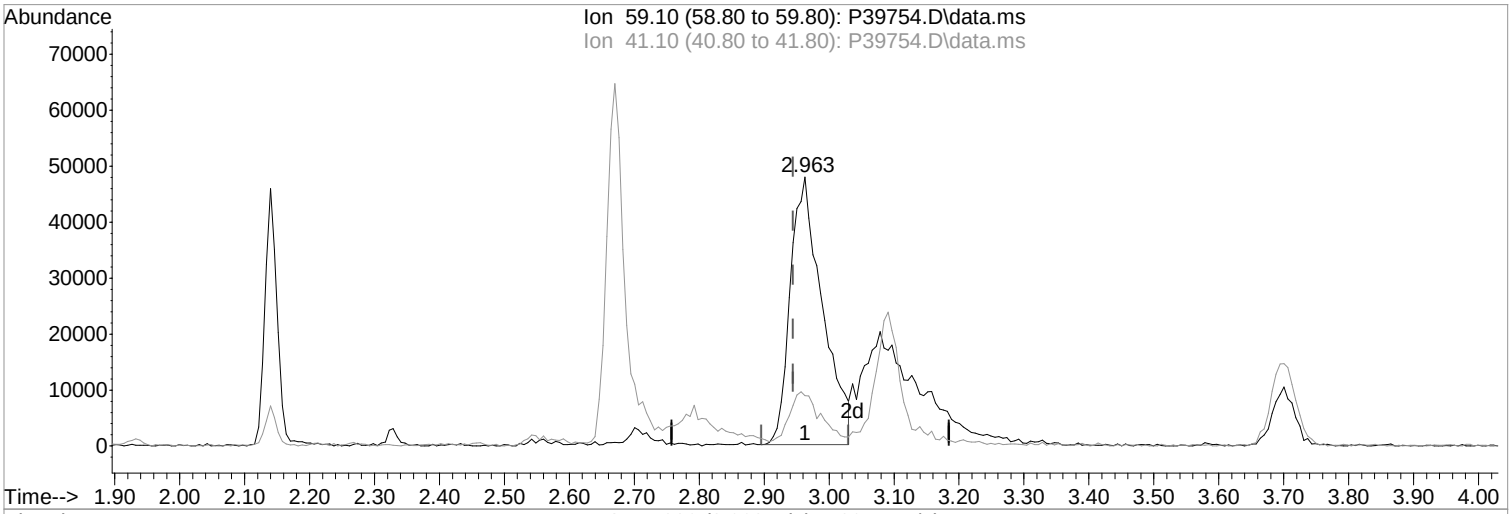
09/18/20

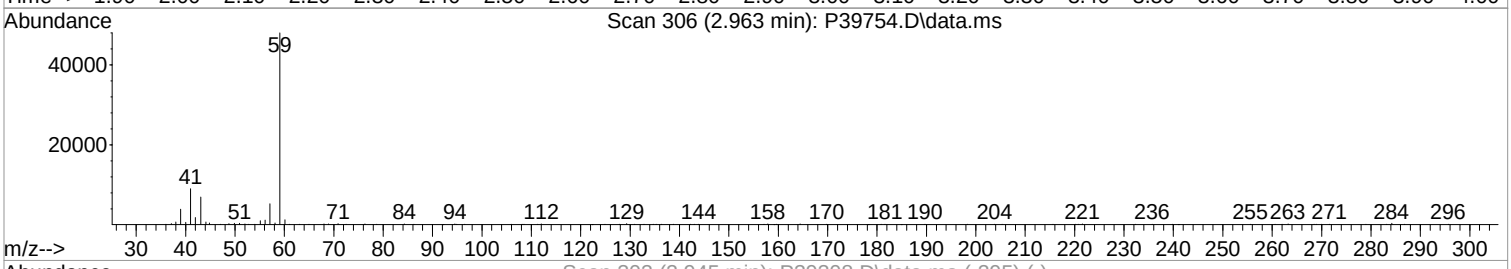
1st 09/18/20
2nd 09/22/20

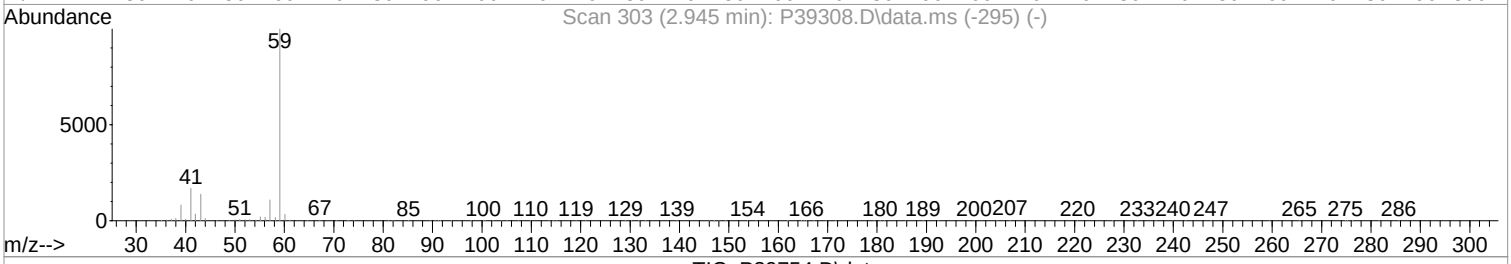
Quantitation Report (Qedit)

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) 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

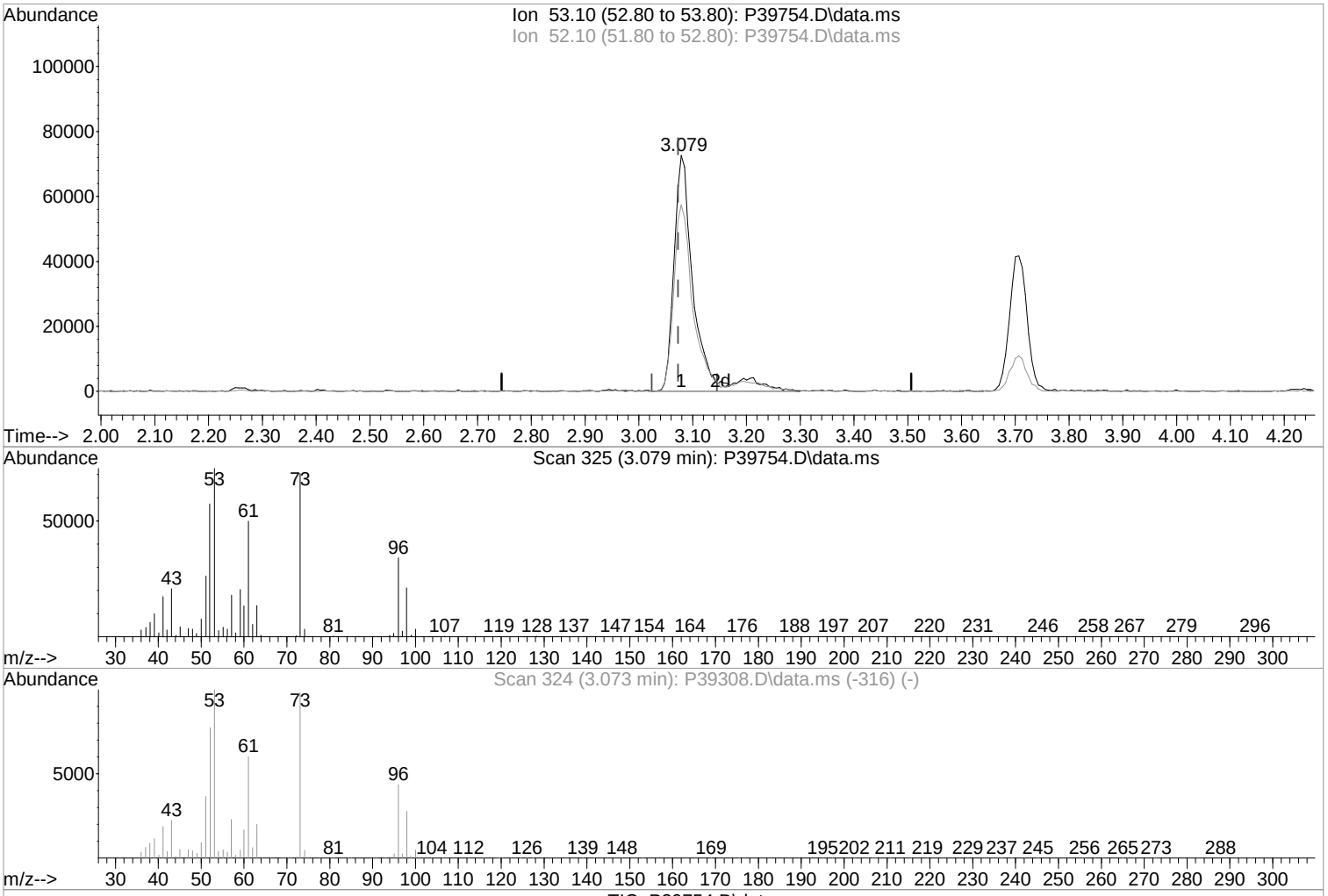
09/18/20

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

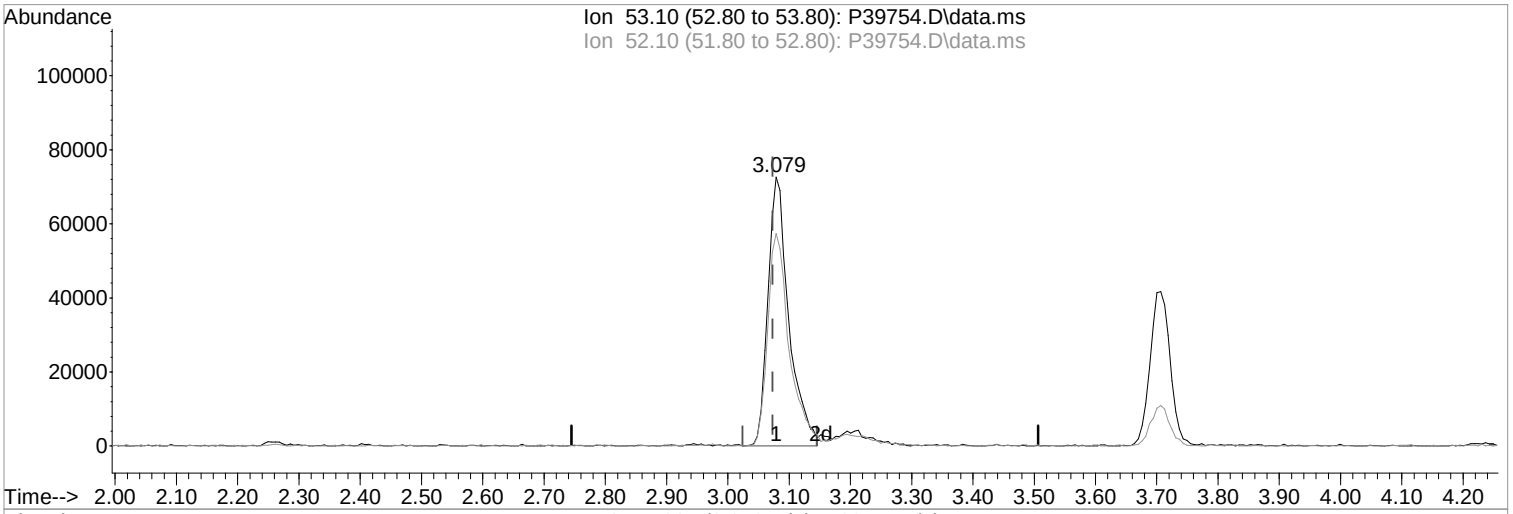
Poor integration.

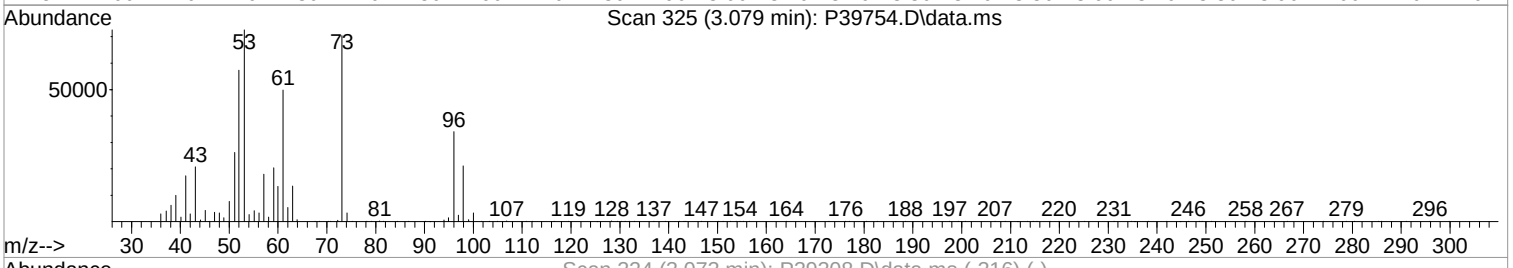
09/18/20

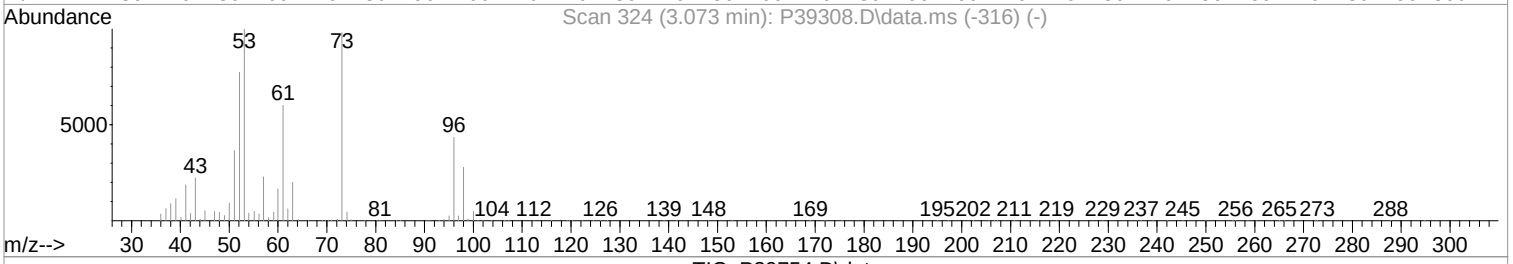
Quantitation Report (Qedit)

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

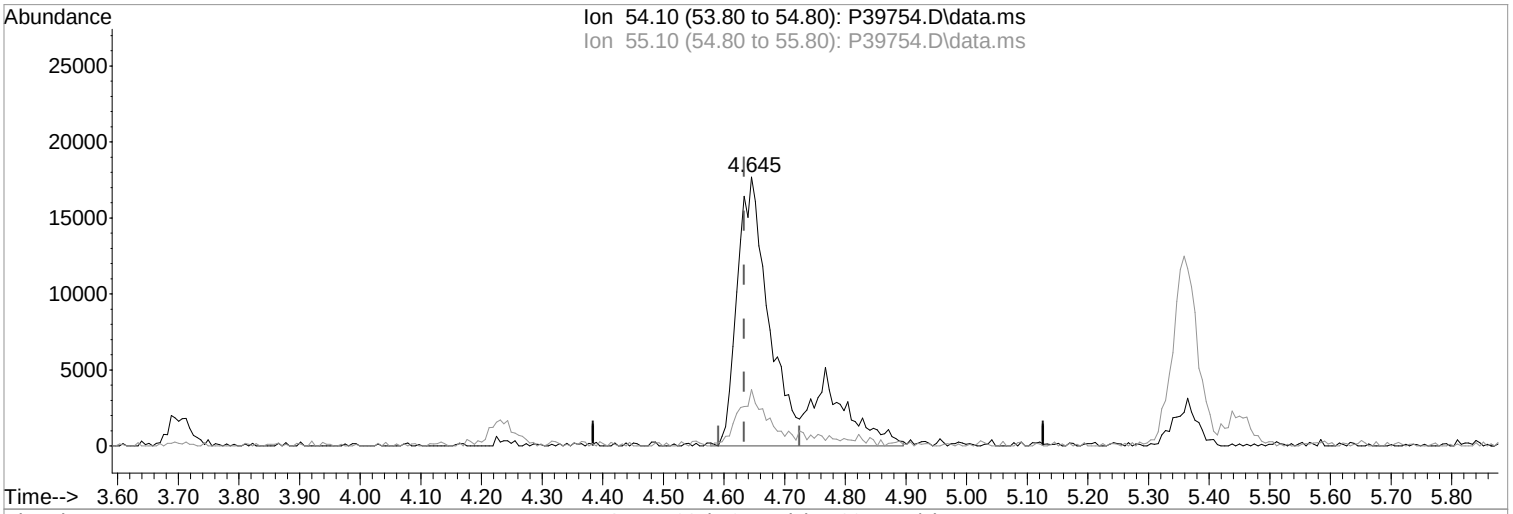
09/18/20

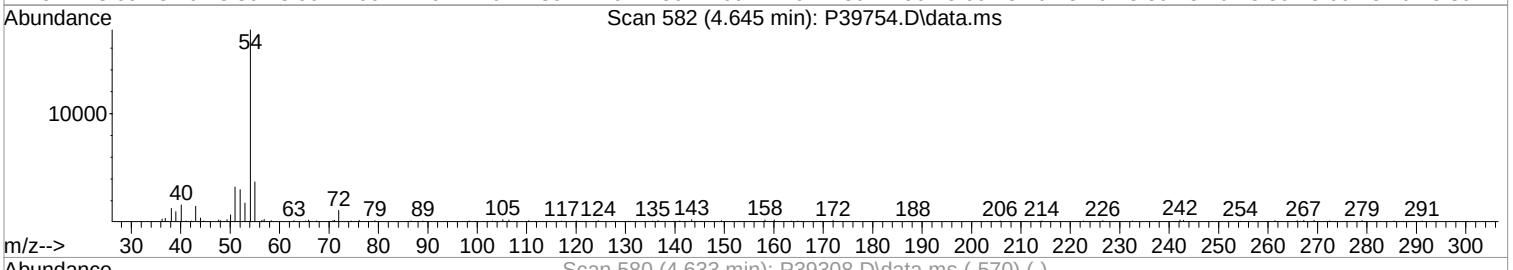
1st 09/18/20
2nd 09/22/20

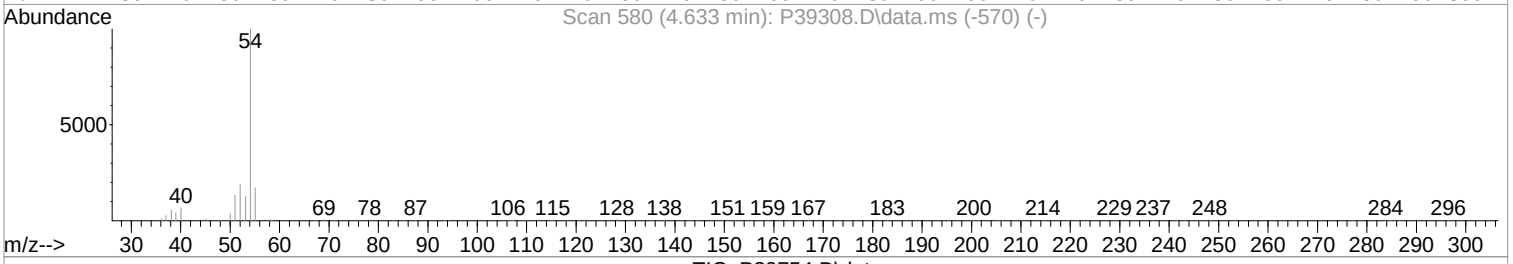
Quantitation Report (Qedit)

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.

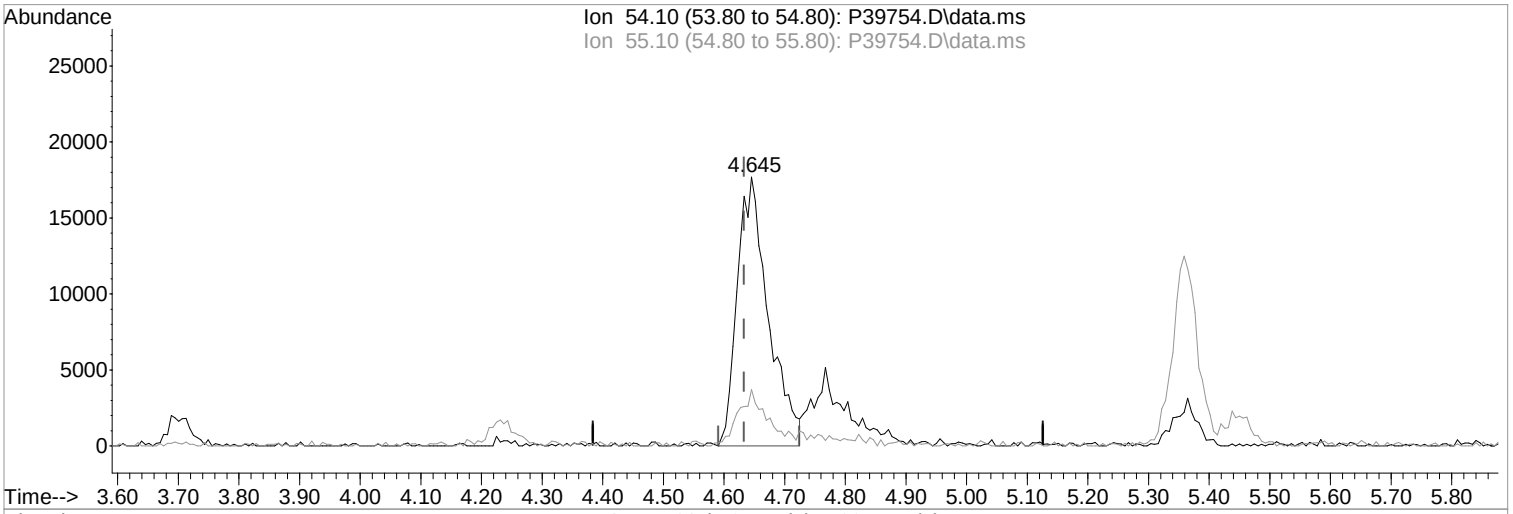
09/18/20

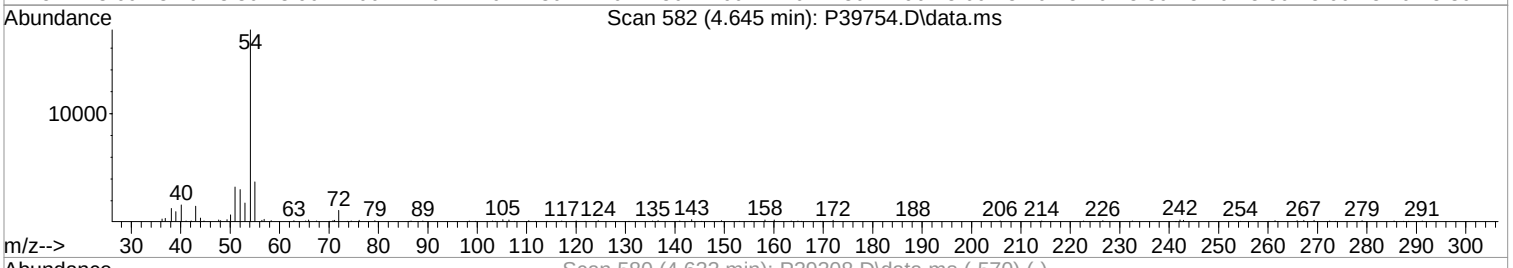
1st 09/18/20
2nd 09/22/20

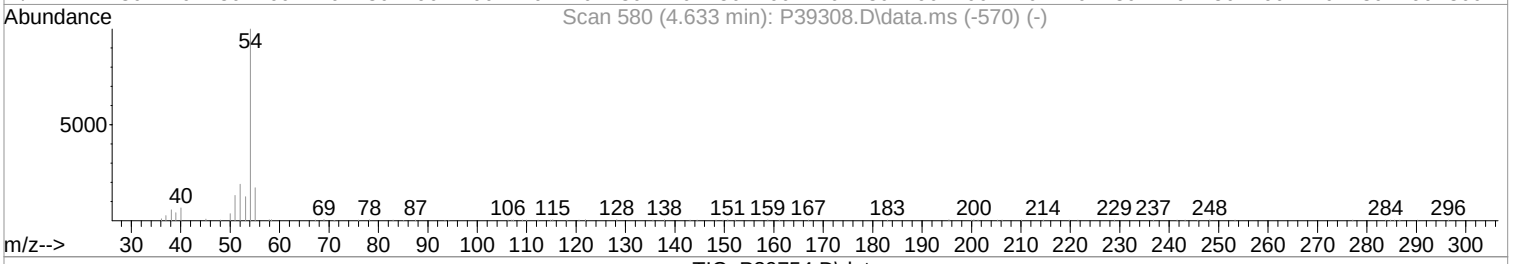
Quantitation Report (Qedit)

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

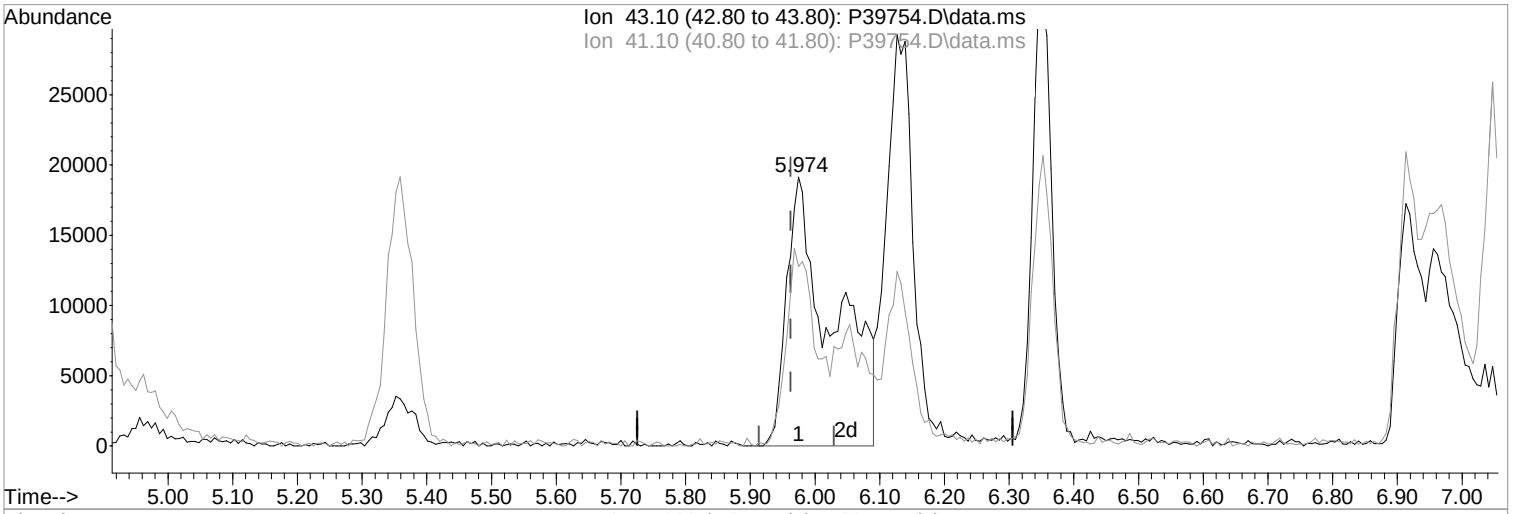
09/18/20

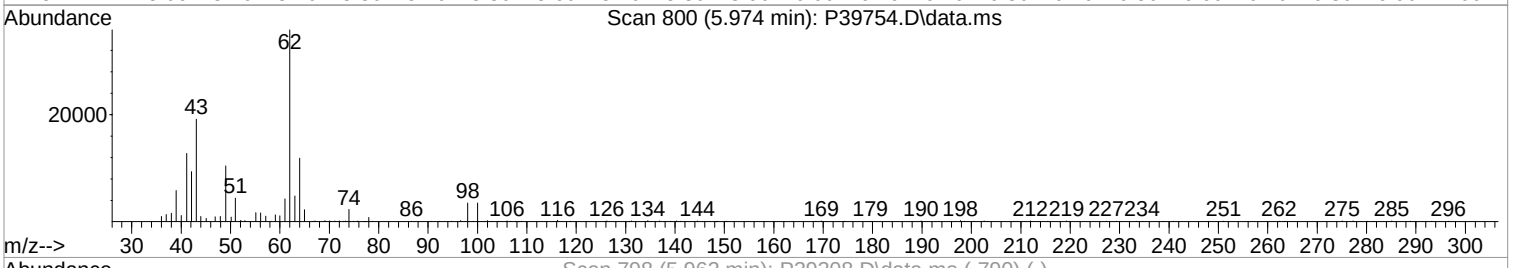
1st 09/18/20
2nd 09/22/20

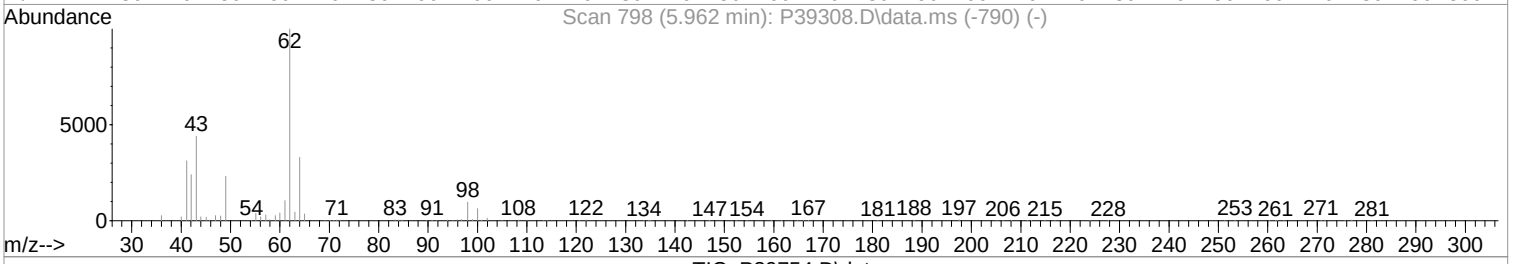
Quantitation Report (Qedit)

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.

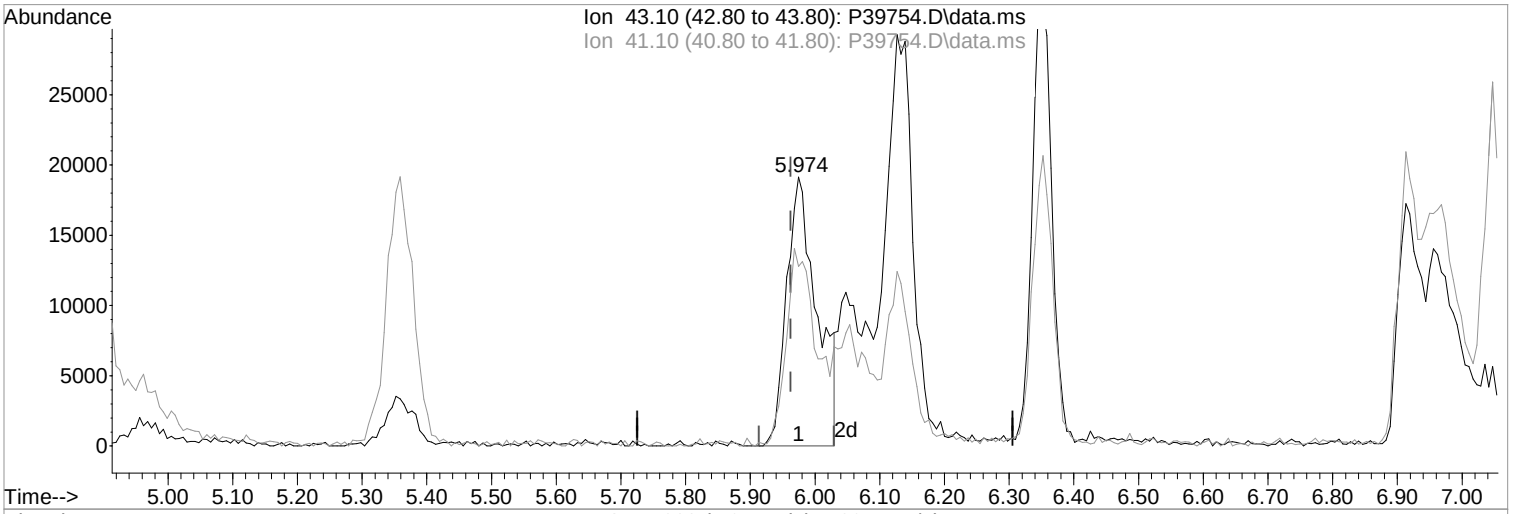
09/18/20

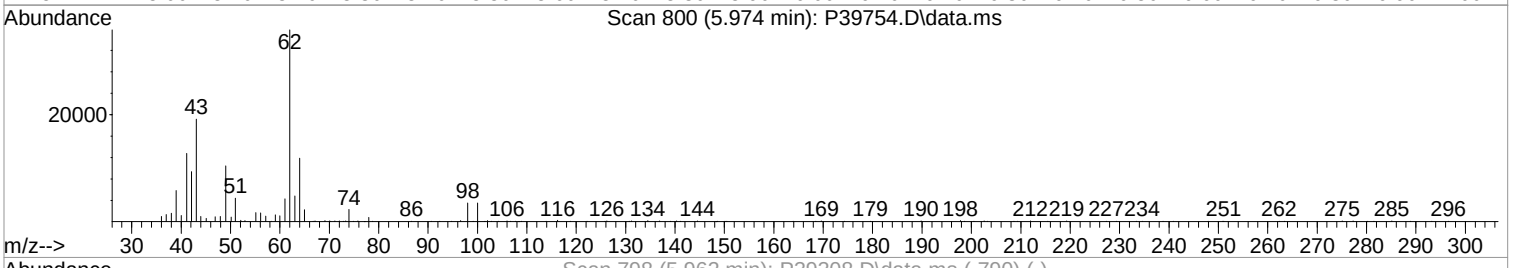
1st 09/18/20
2nd 09/22/20

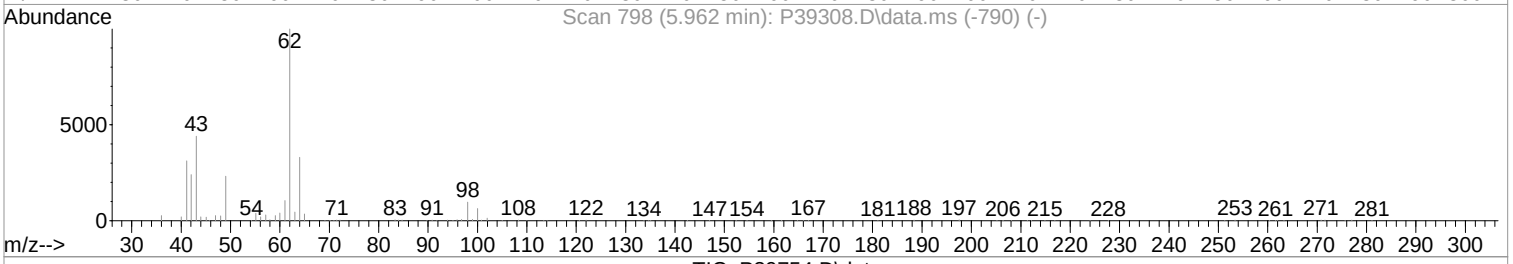
Quantitation Report (Qedit)

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

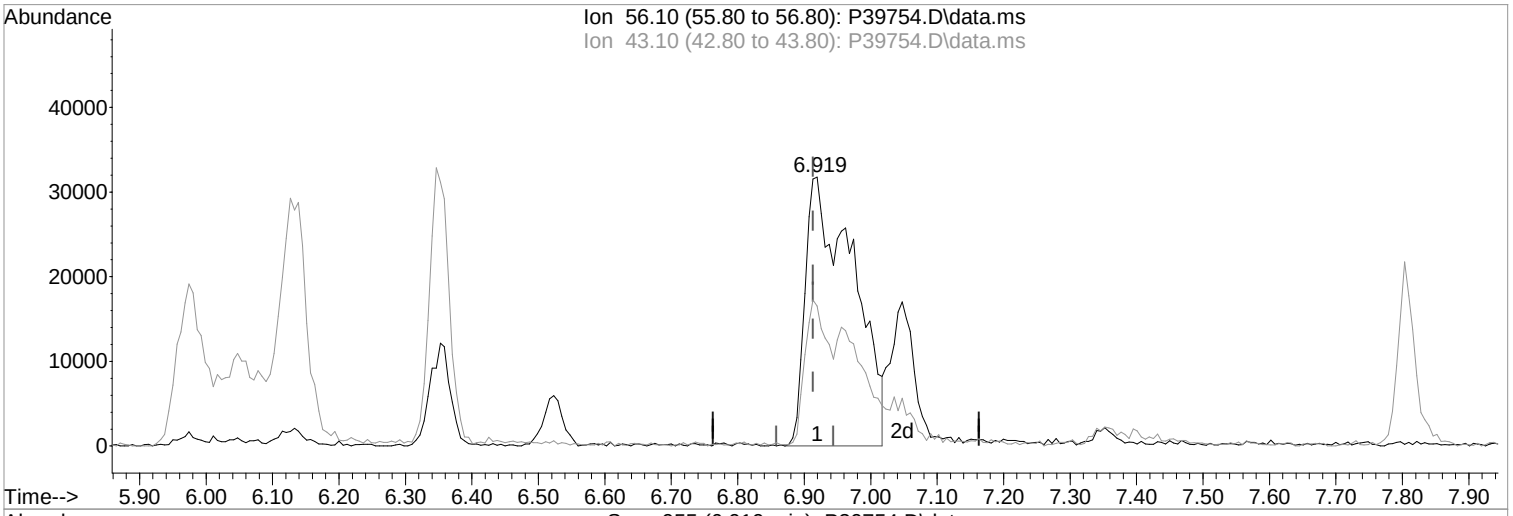
09/18/20

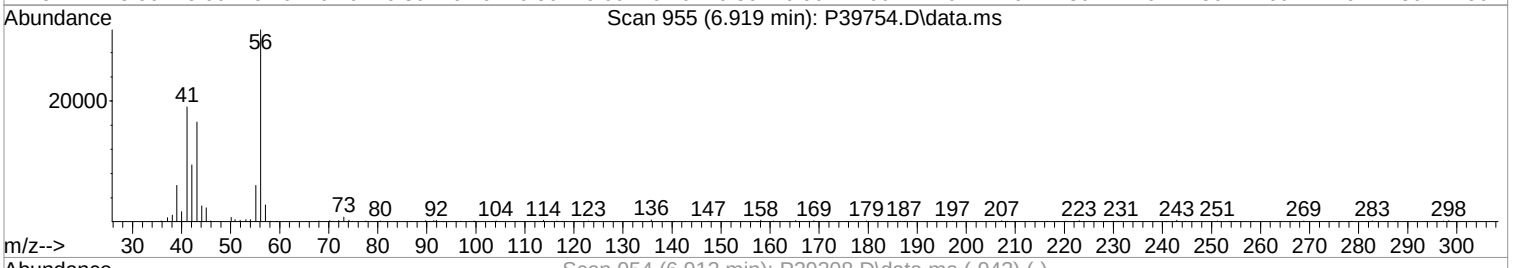
1st 09/18/20
2nd 09/22/20

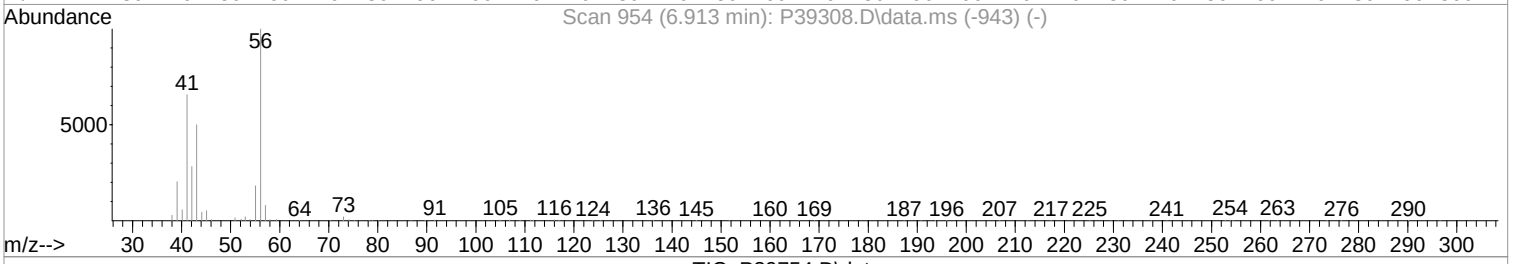
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39754.D
Acq On : 17 Sep 2020 9:19 pm
Operator : K.Ruest
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) 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.

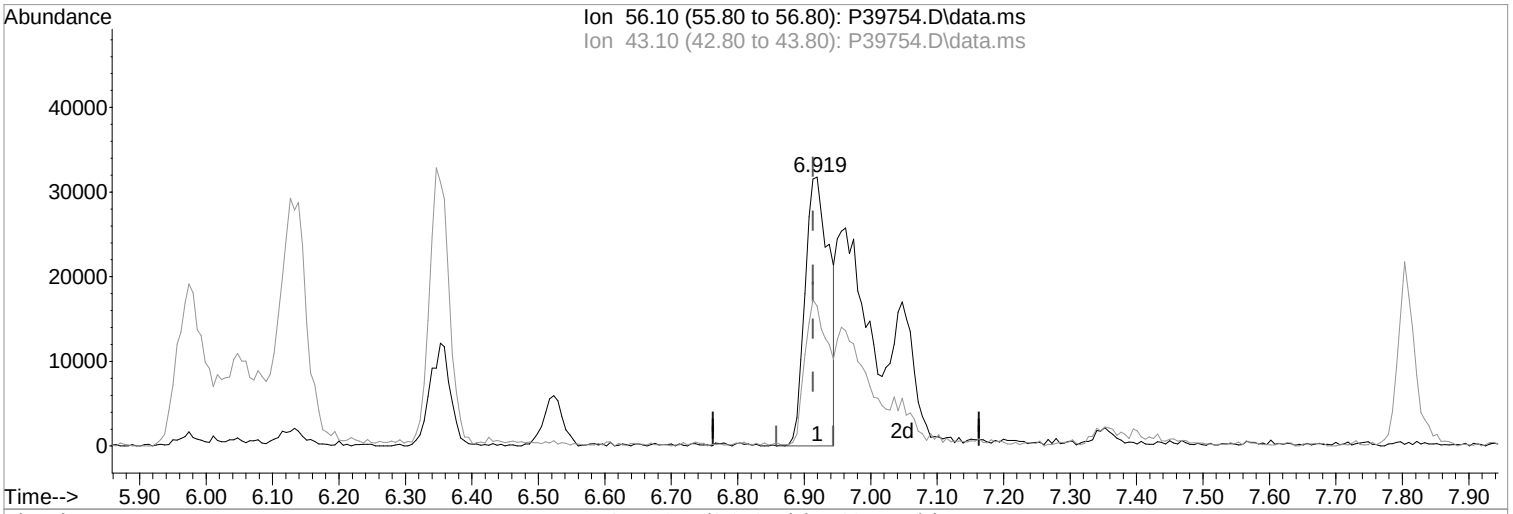
09/18/20

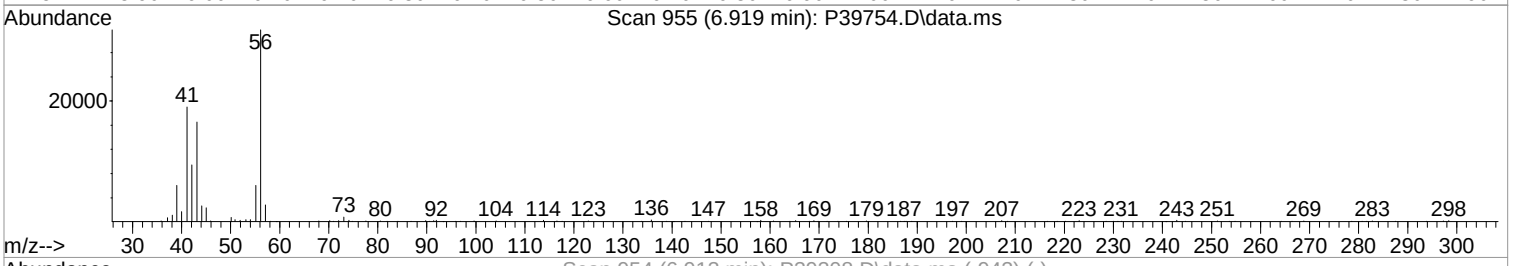
1st 09/18/20
2nd 09/22/20

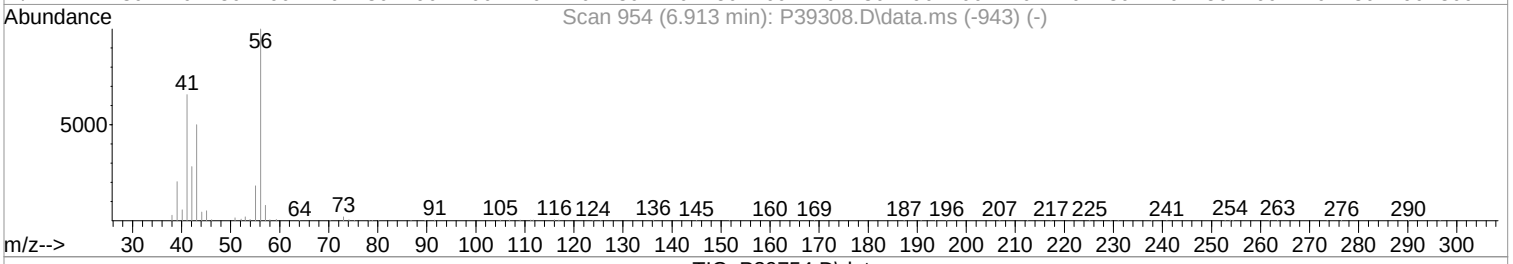
Quantitation Report (Qedit)

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

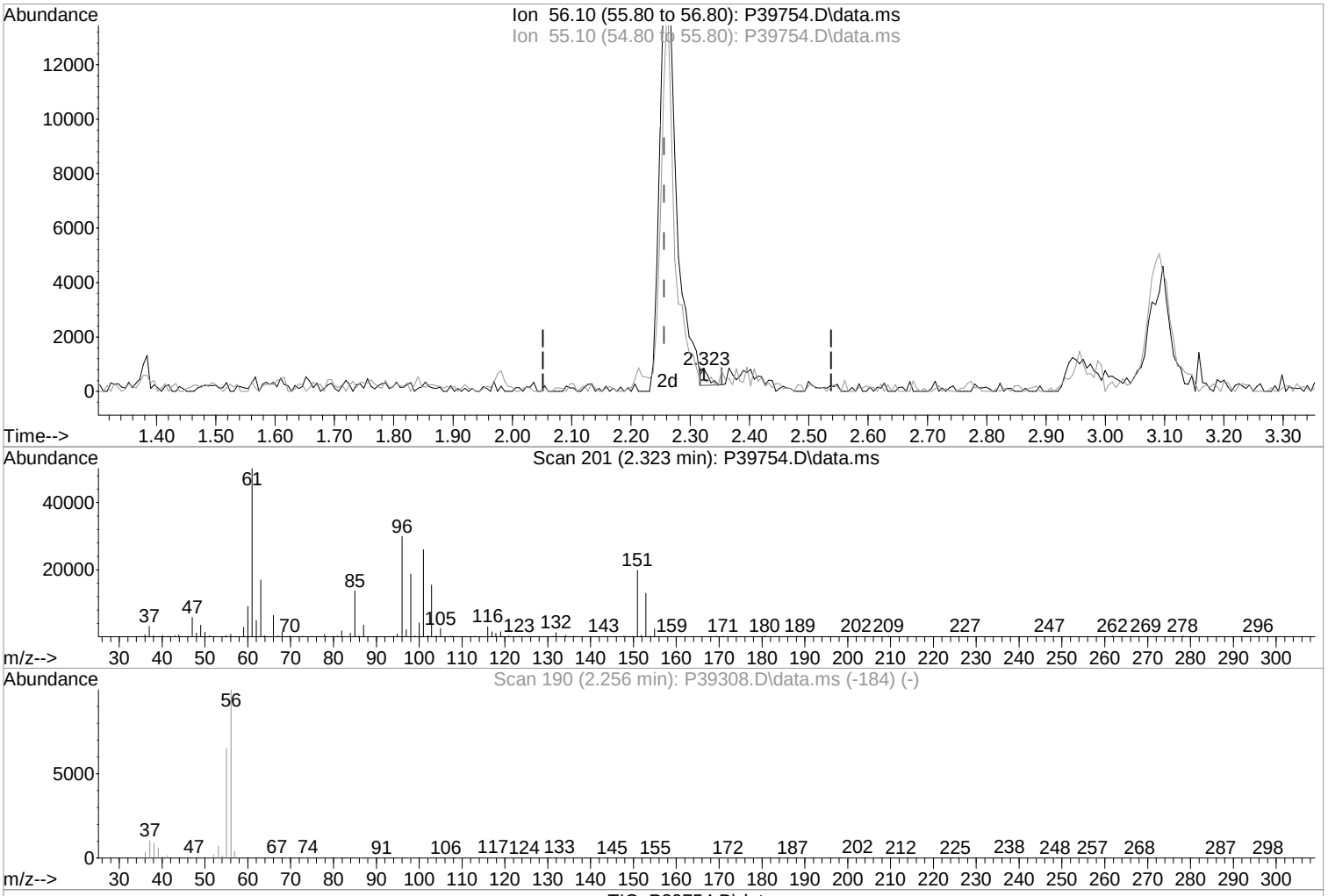
09/18/20

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

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

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

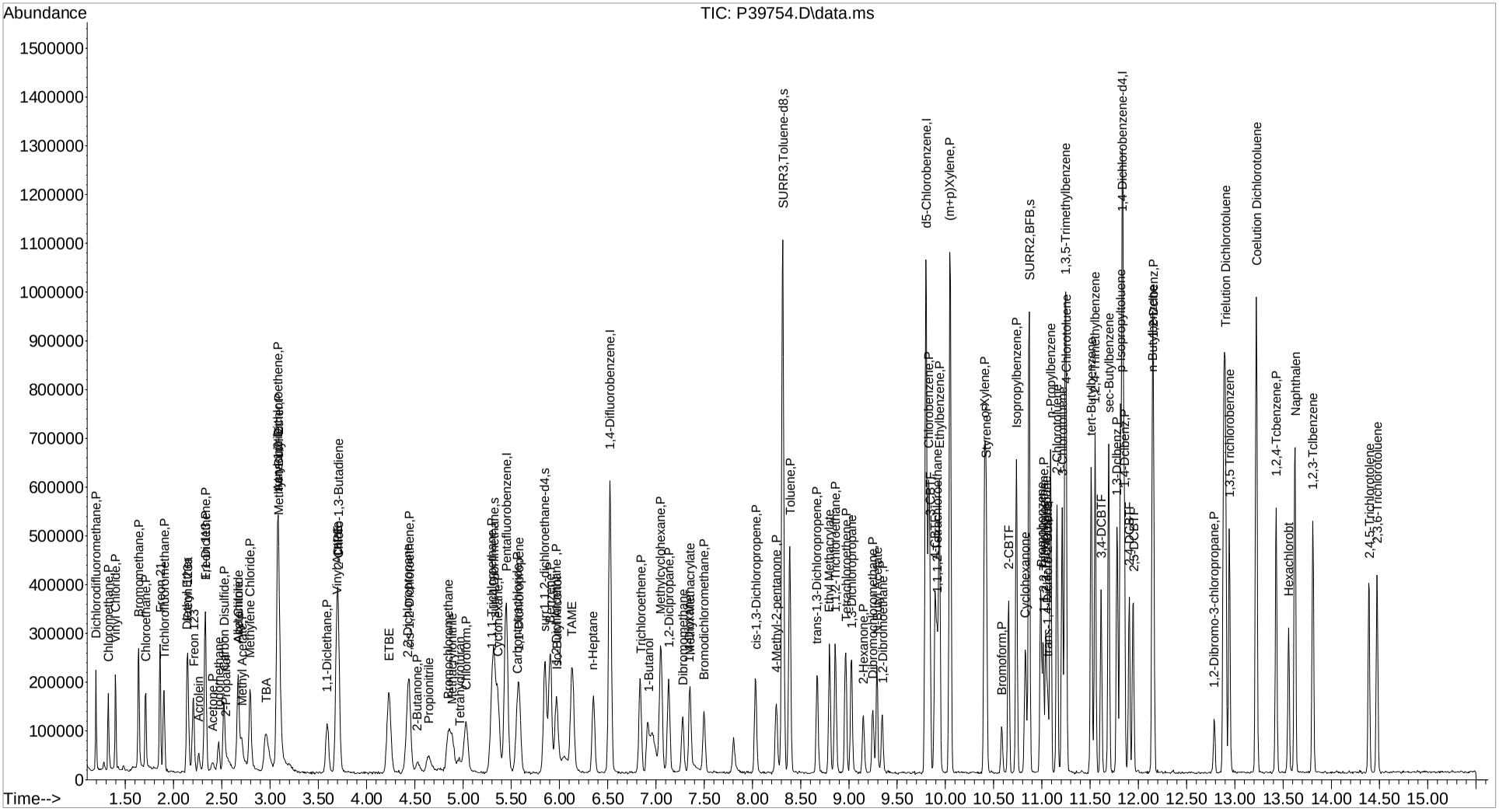
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

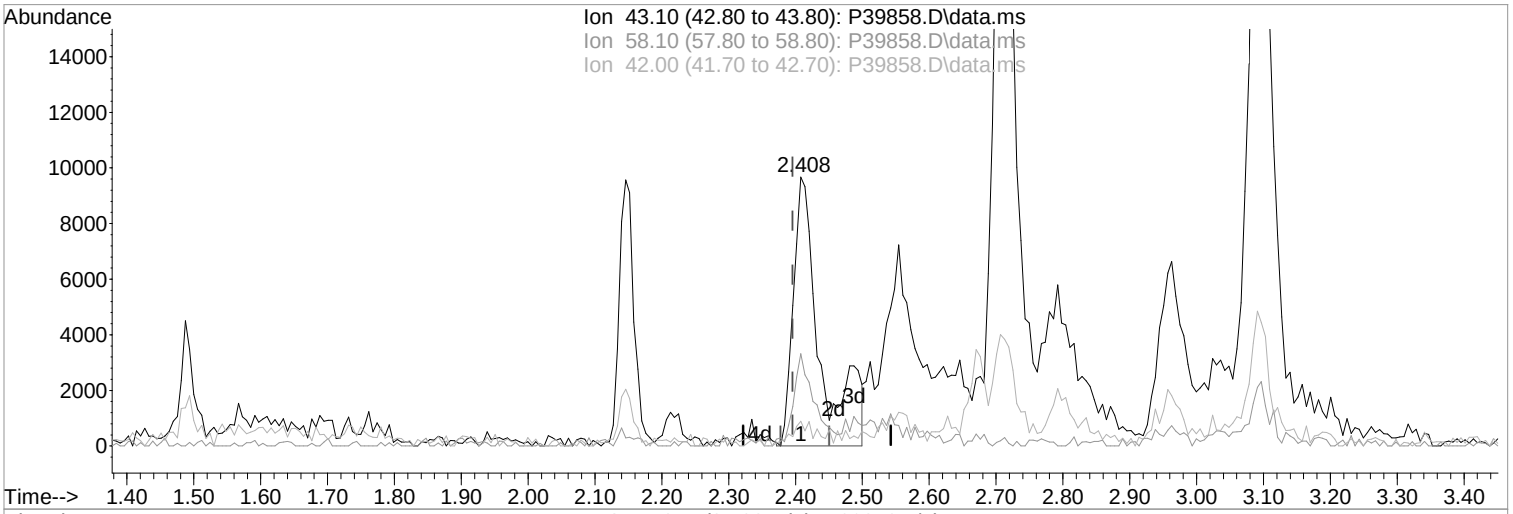


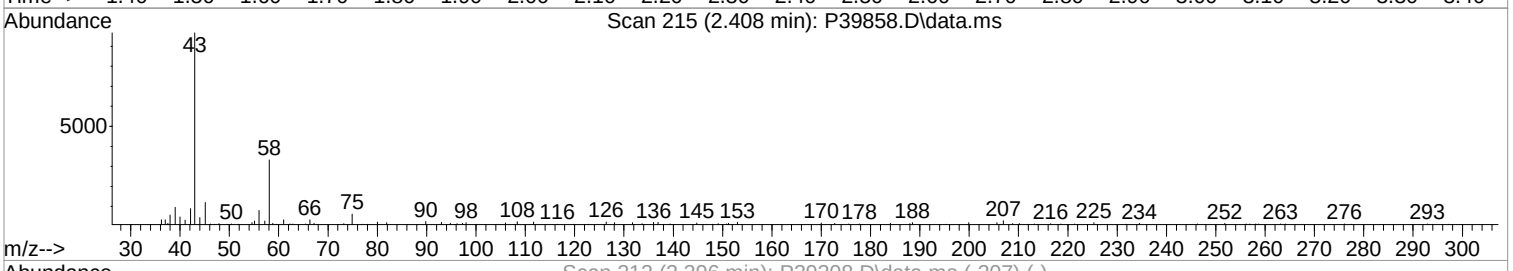
1st 09/21/20
2nd 09/24/20

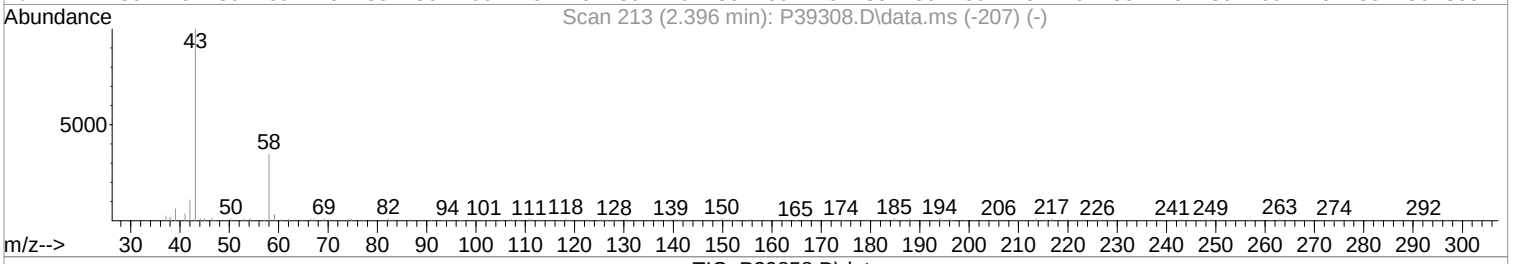
Quantitation Report (Qedit)

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

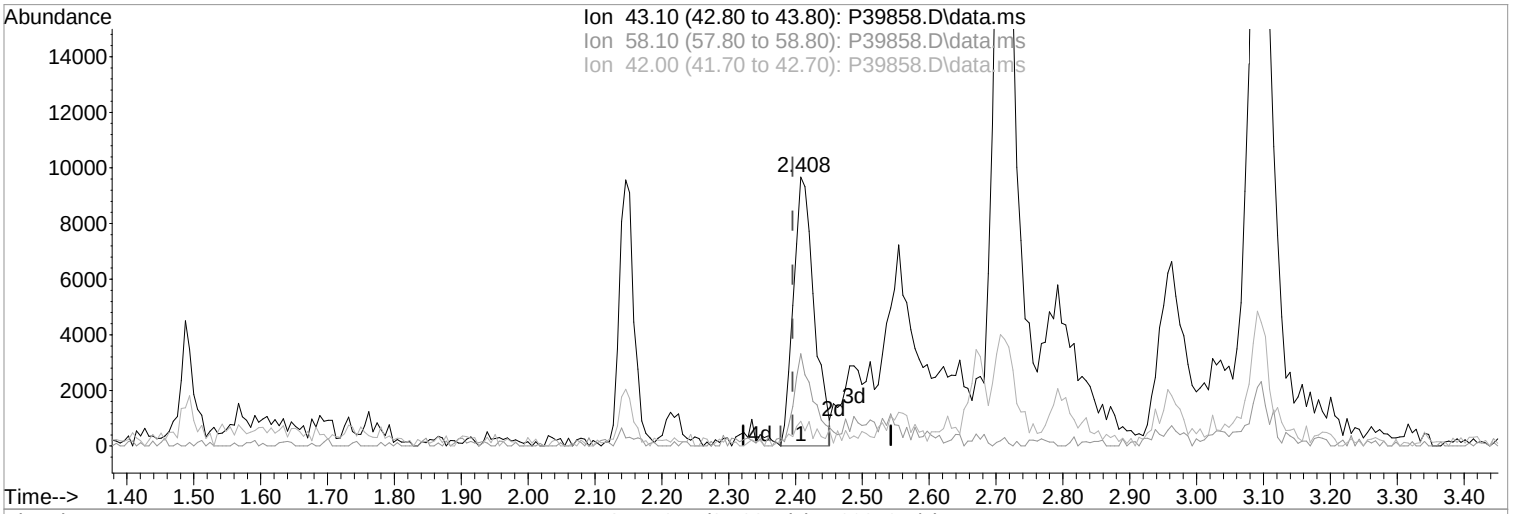
Poor integration.

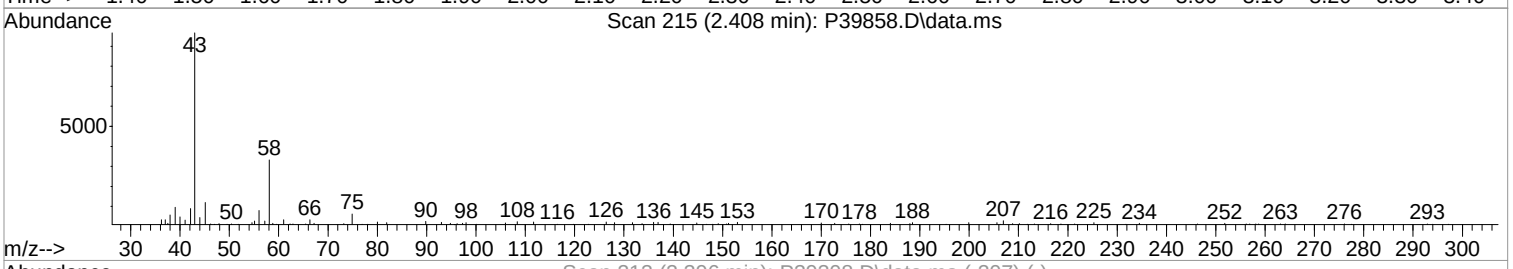
09/21/20

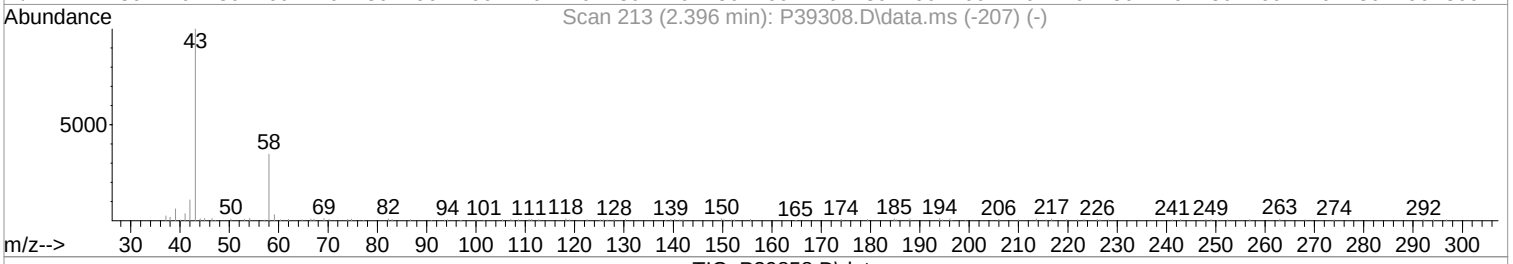
Quantitation Report (Qedit)

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:

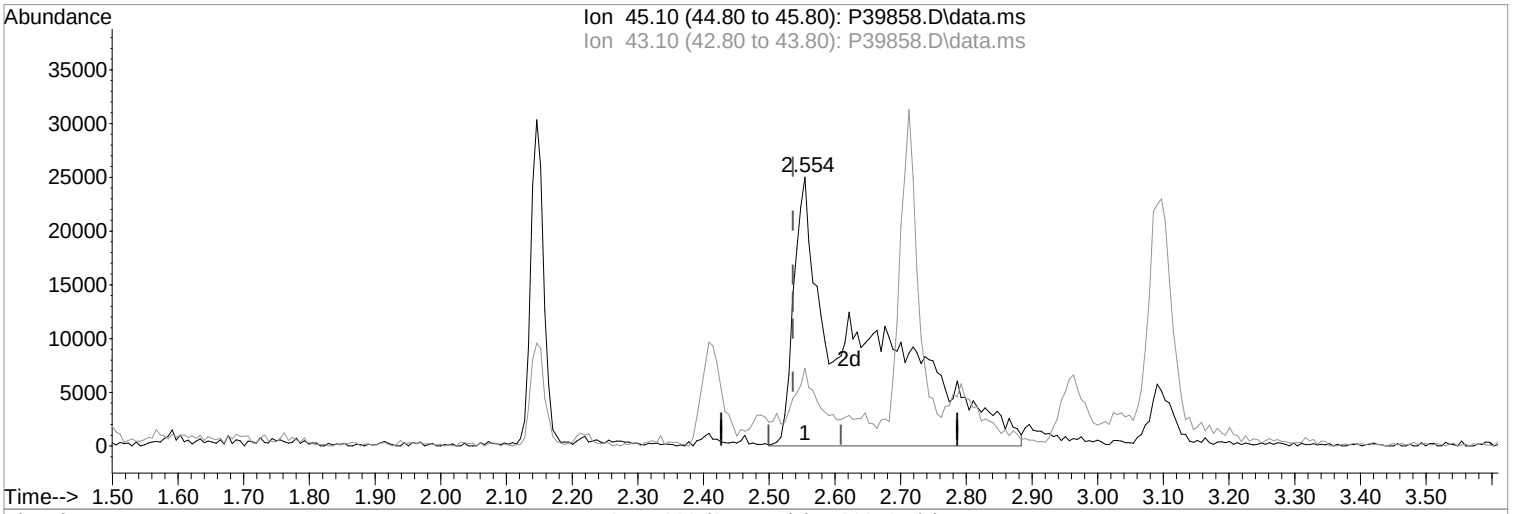
Before

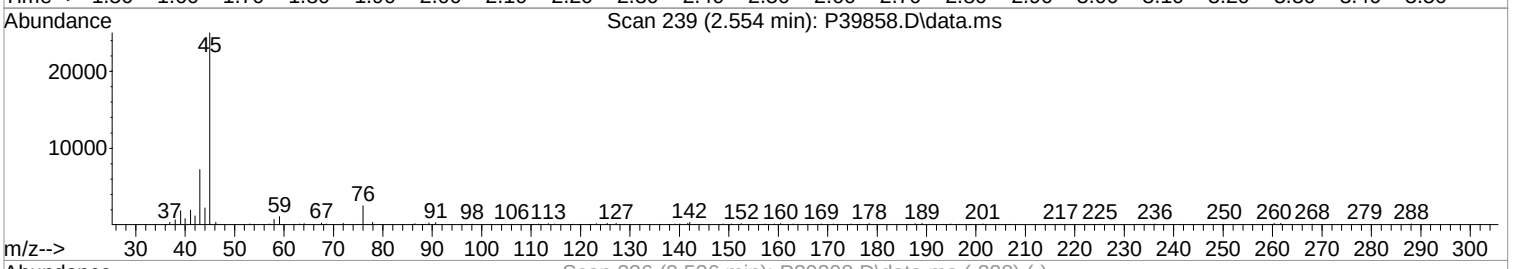
09/21/20

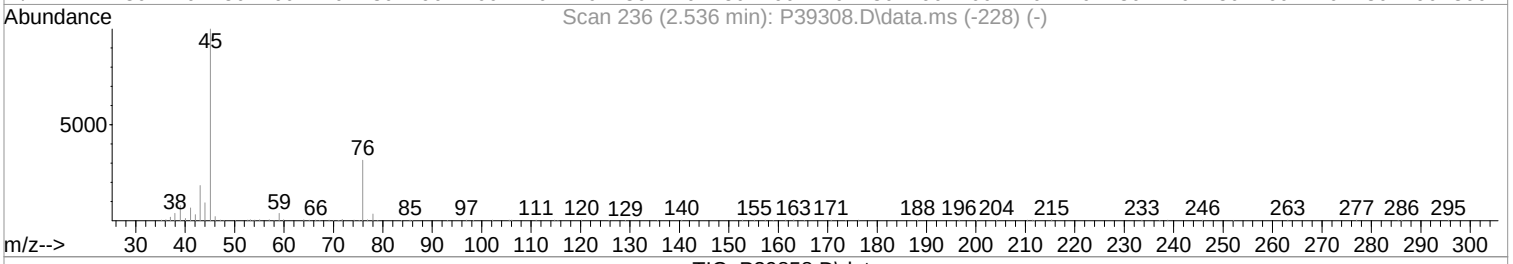
Quantitation Report (Qedit)

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

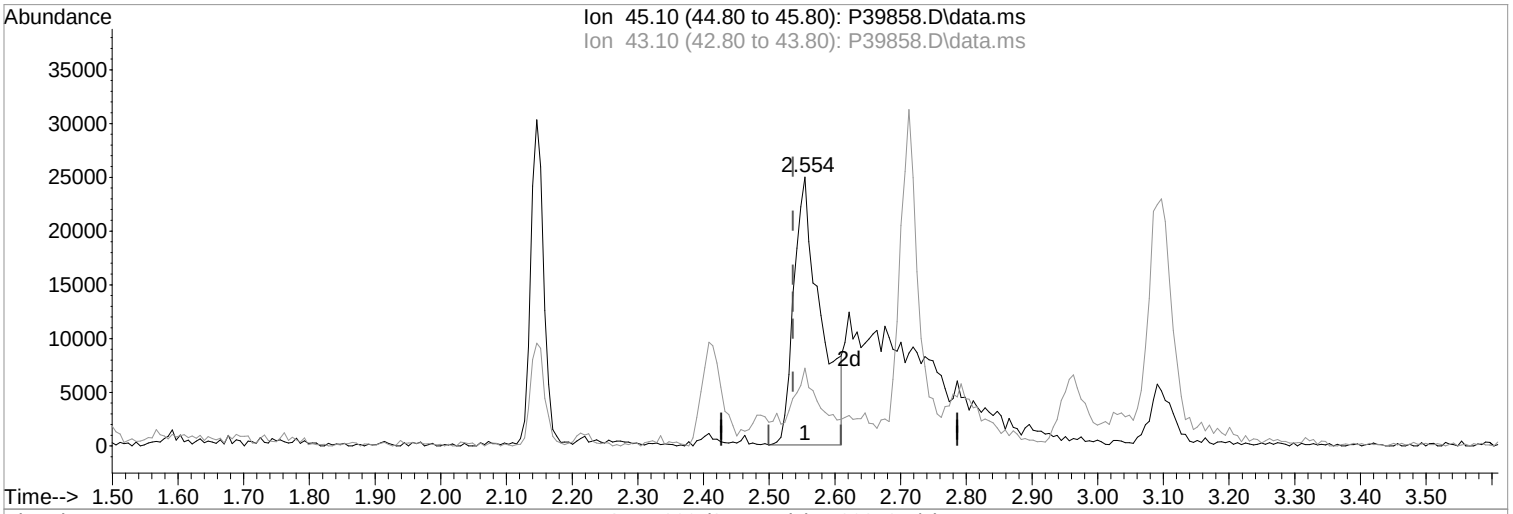
Poor integration.

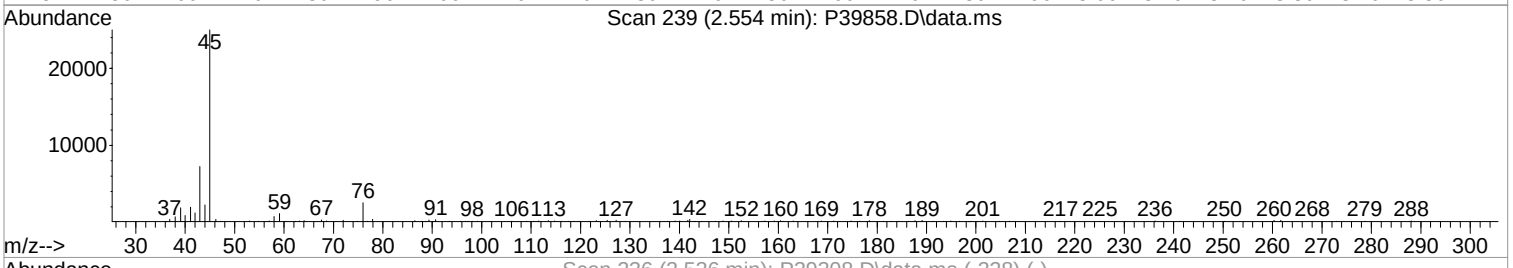
09/21/20

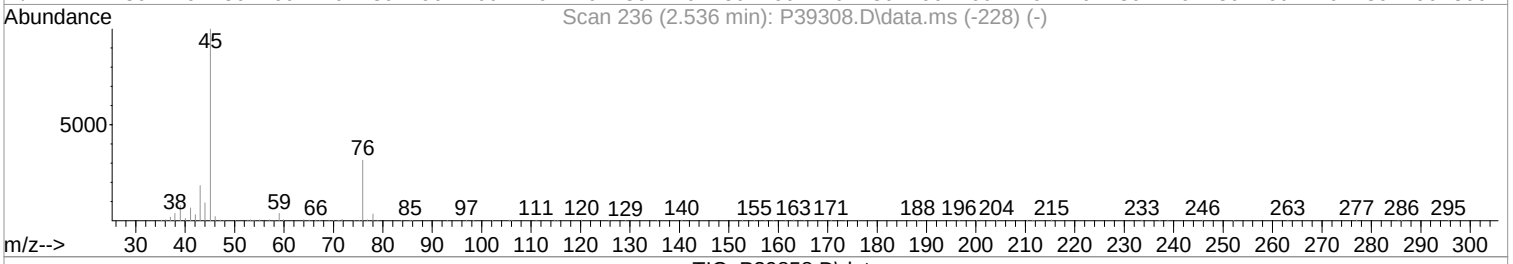
Quantitation Report (Qedit)

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

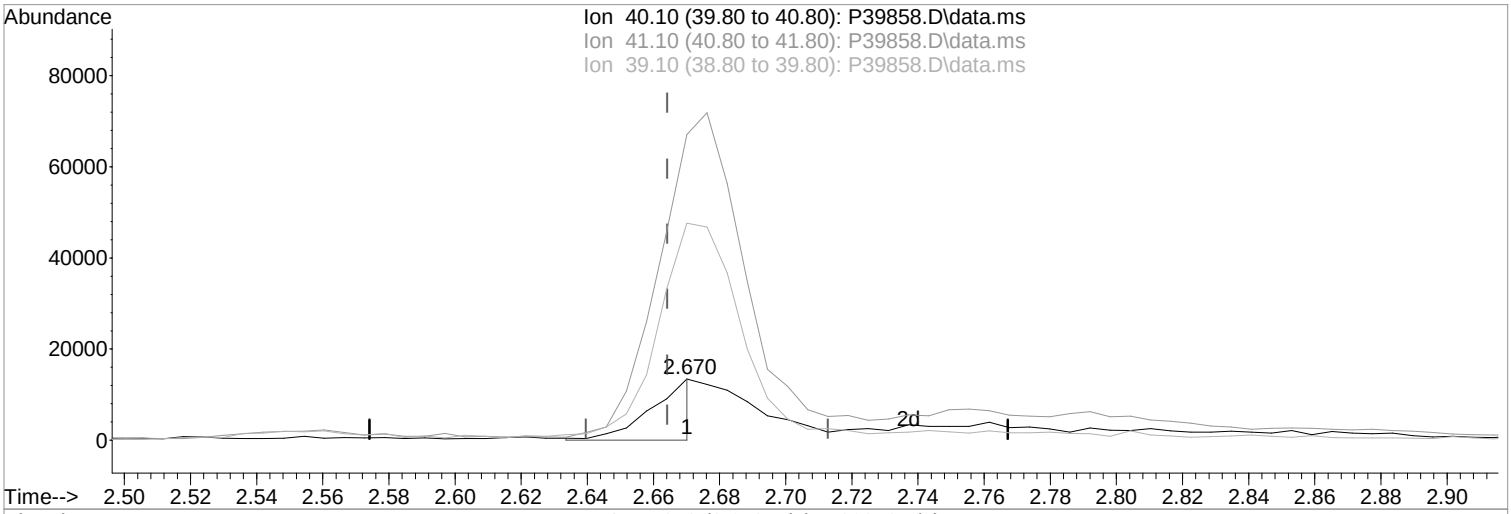
09/21/20

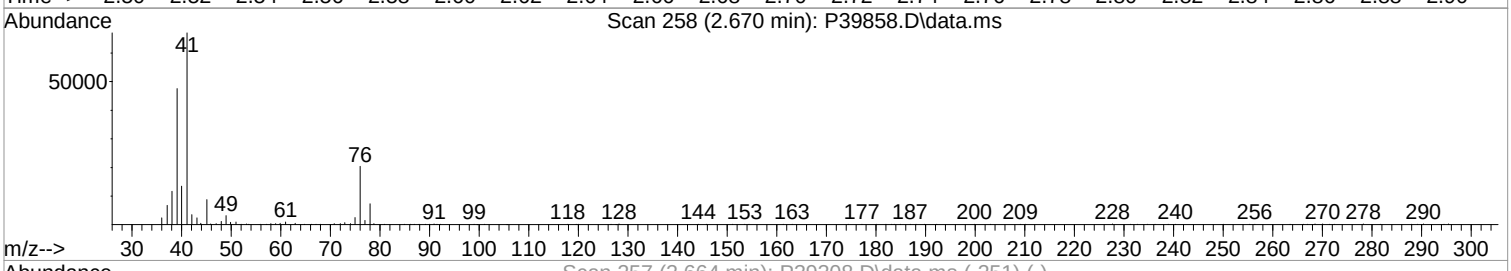
1st 09/21/20
2nd 09/24/20

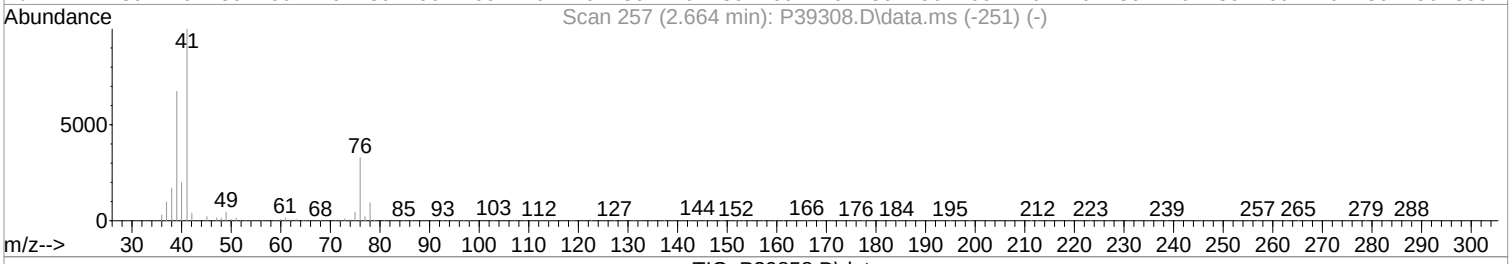
Quantitation Report (Qedit)

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.

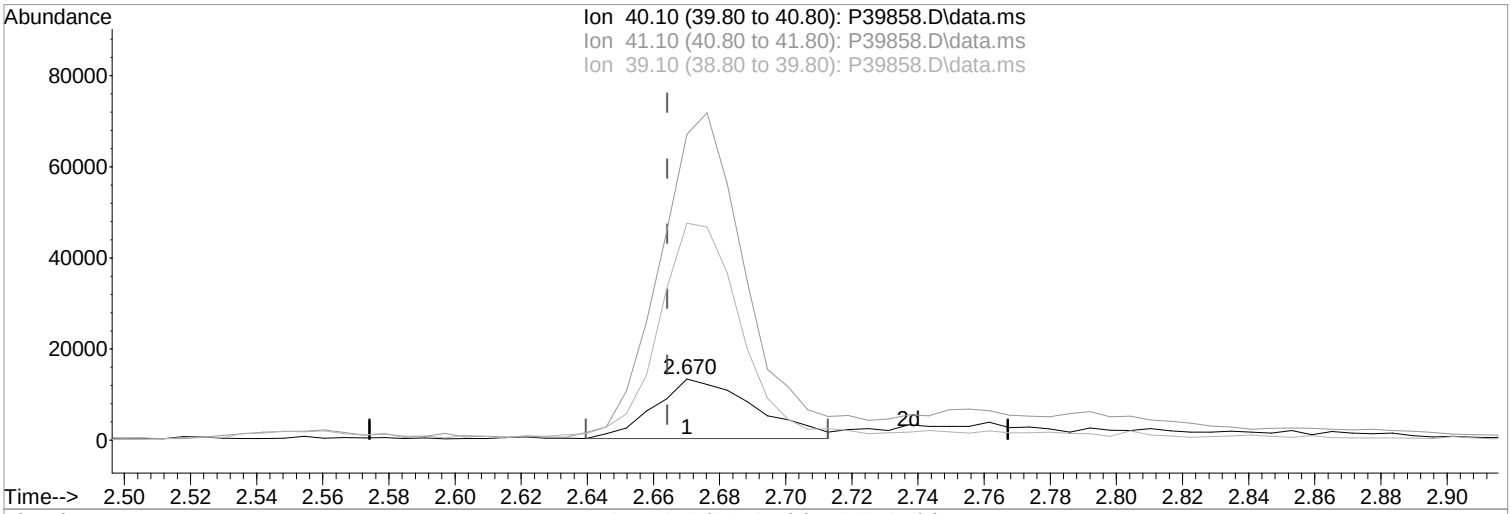
09/21/20

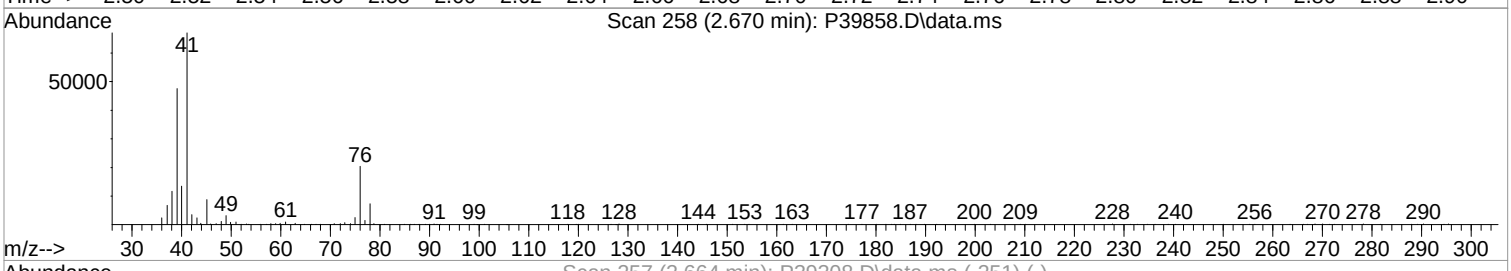
1st 09/21/20
2nd 09/24/20

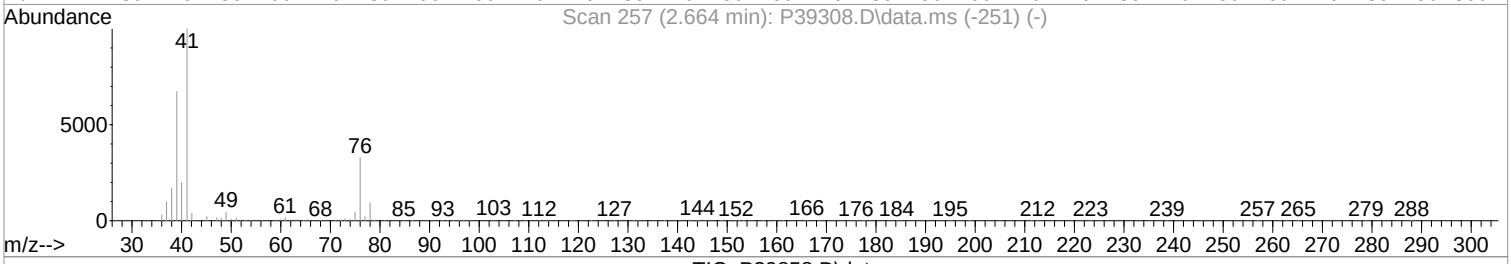
Quantitation Report (Qedit)

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:

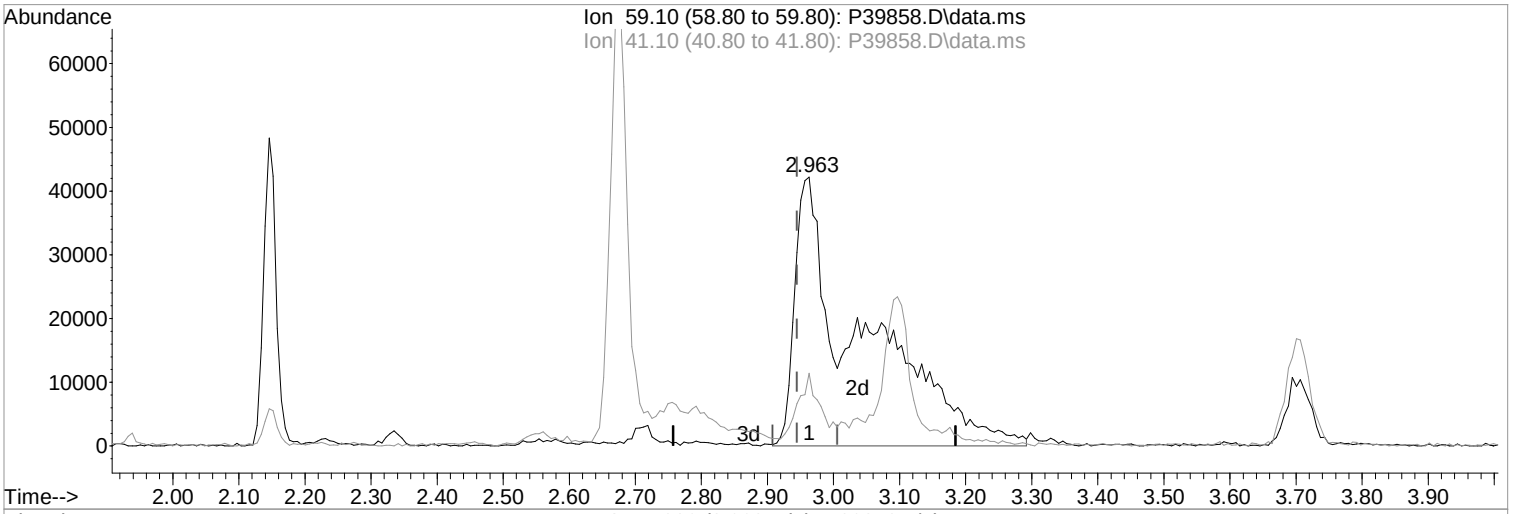
Before

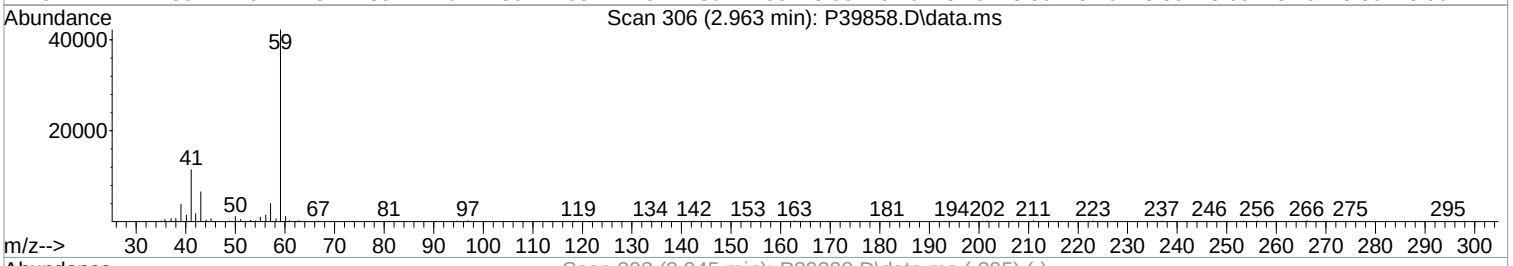
09/21/20

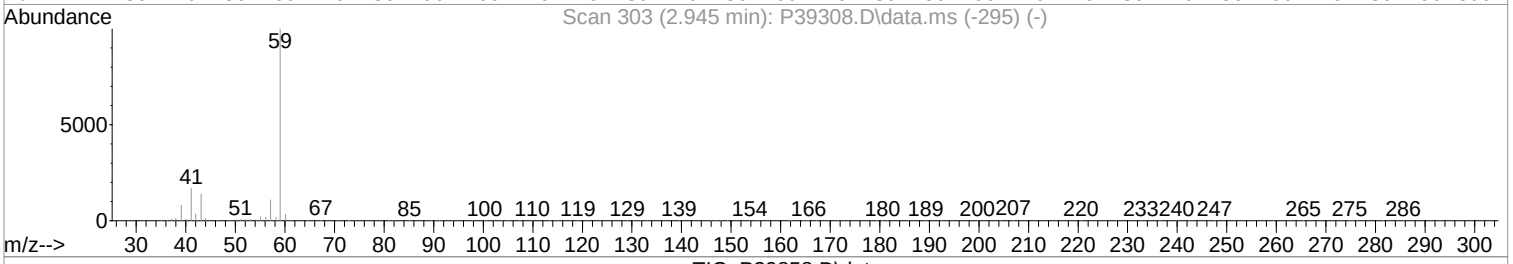
Quantitation Report (Qedit)

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

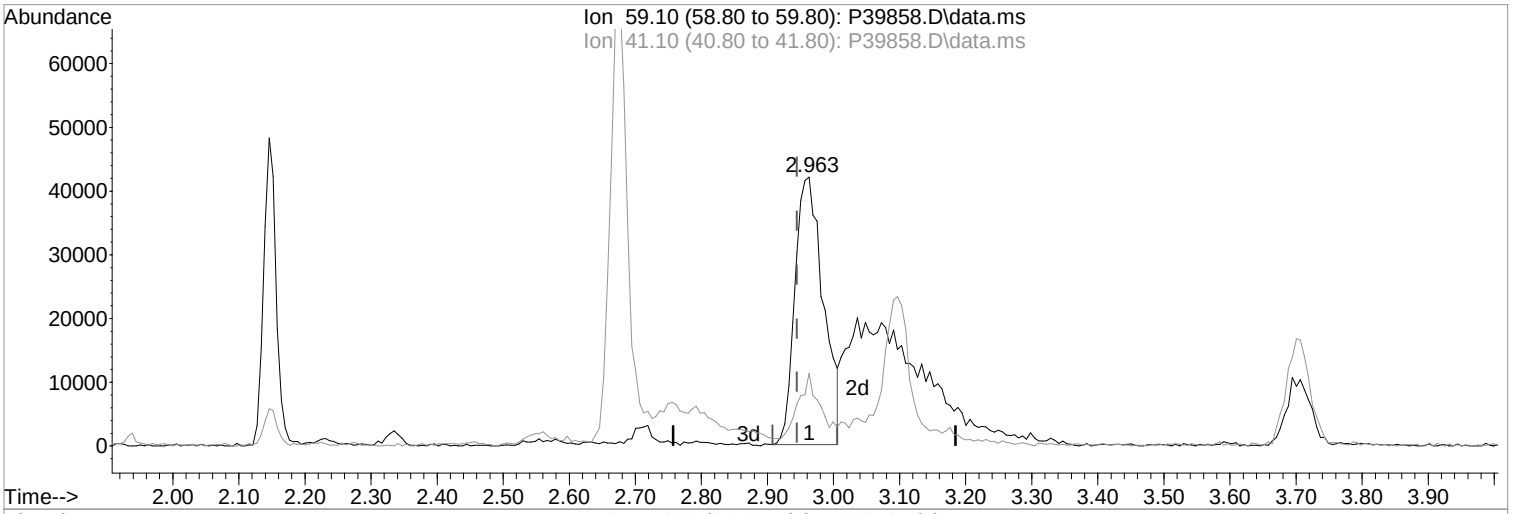
Poor integration.

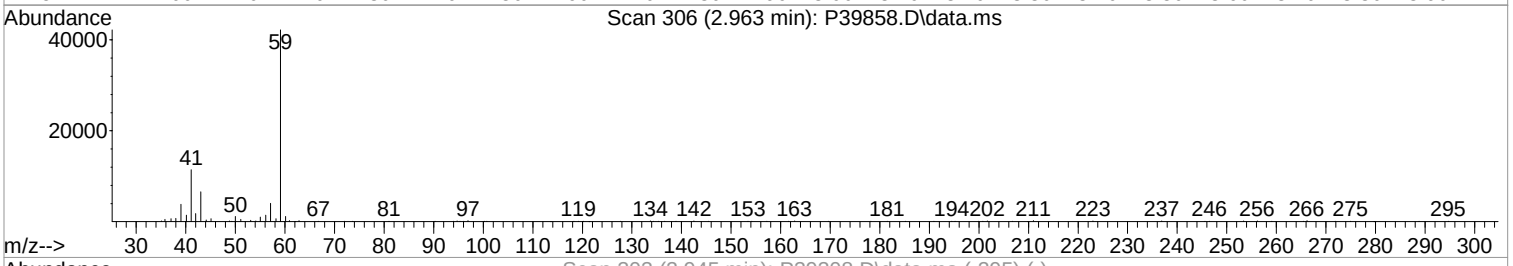
09/21/20

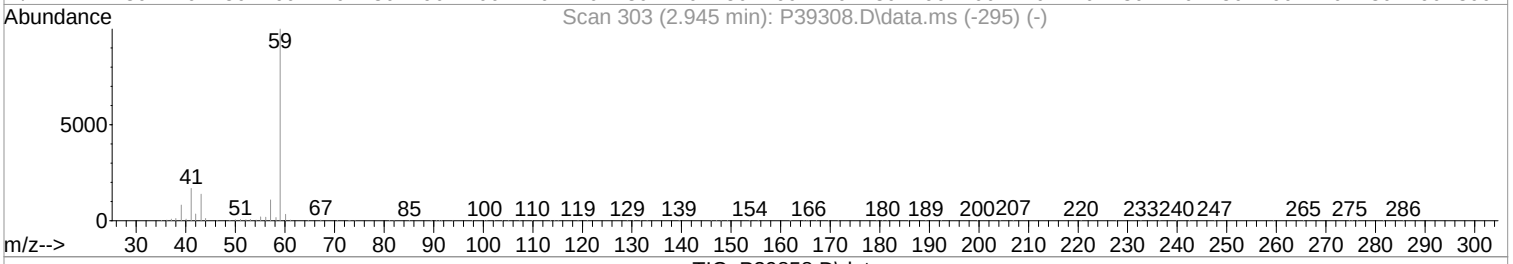
Quantitation Report (Qedit)

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

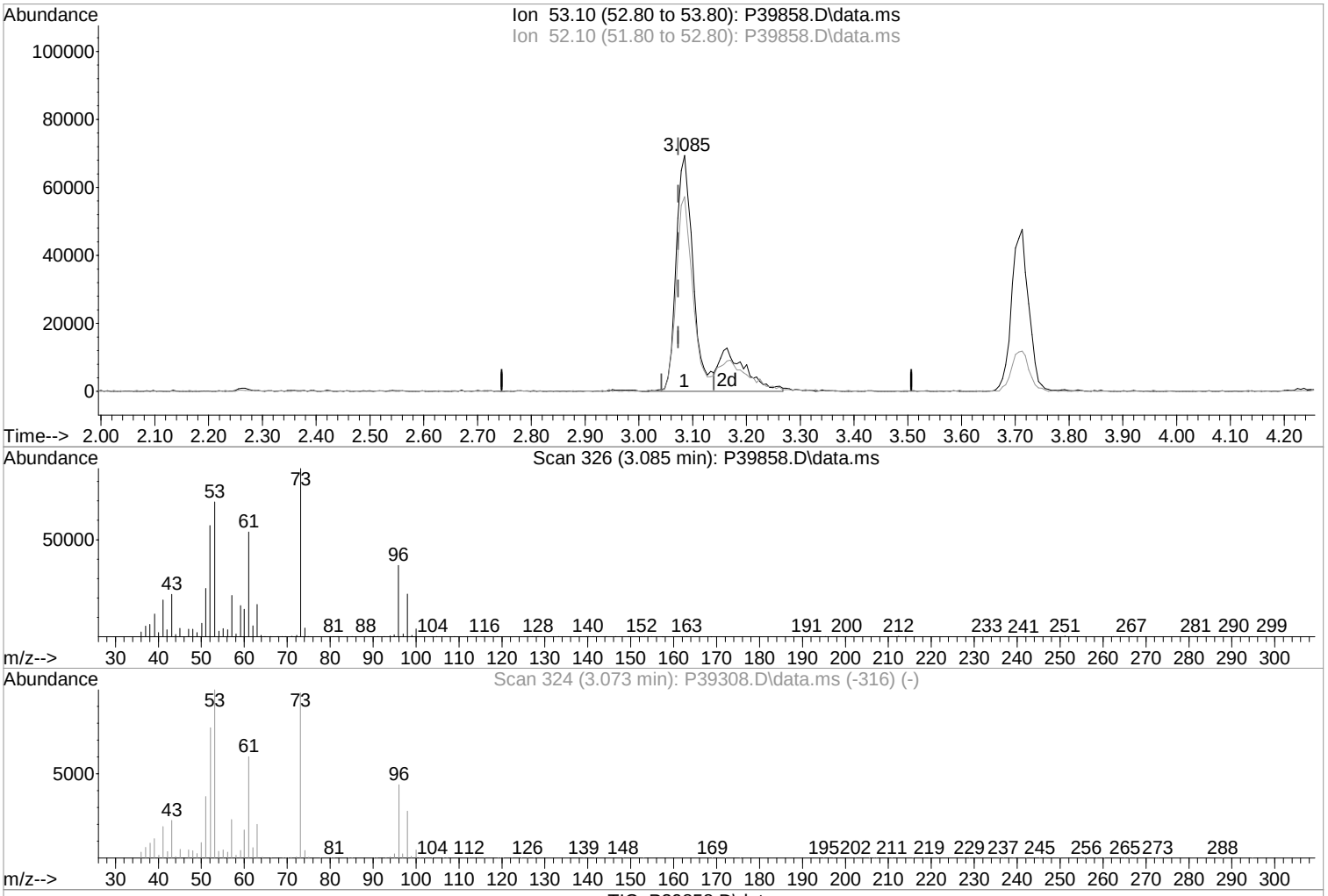
09/21/20

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.

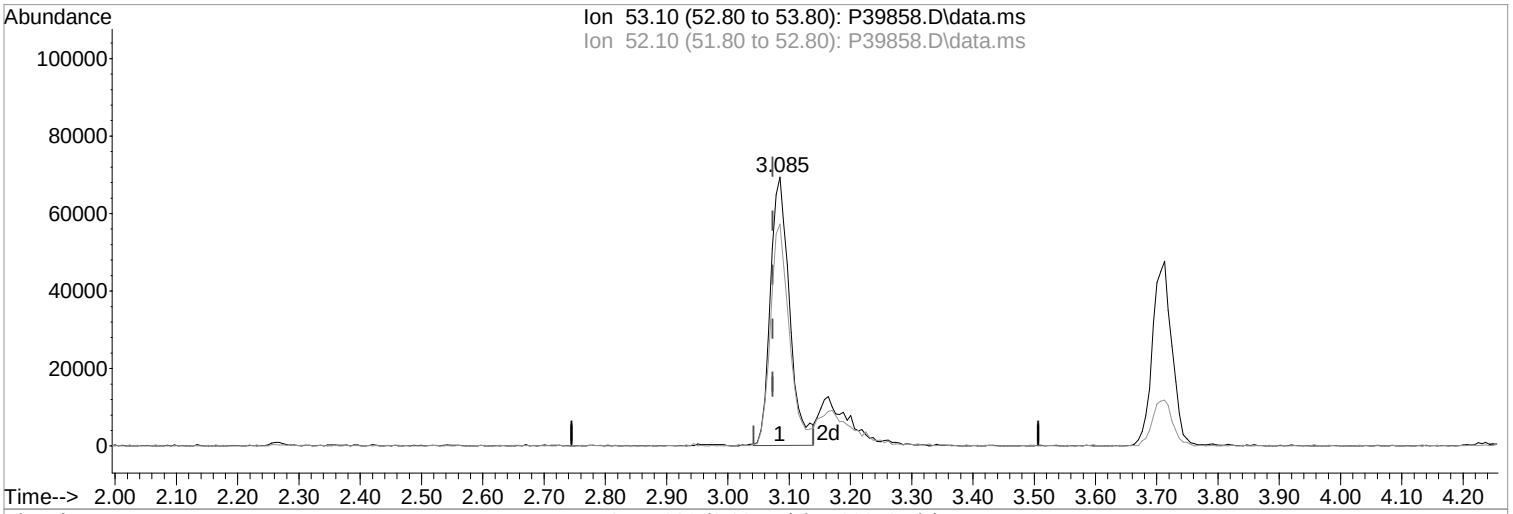
09/21/20

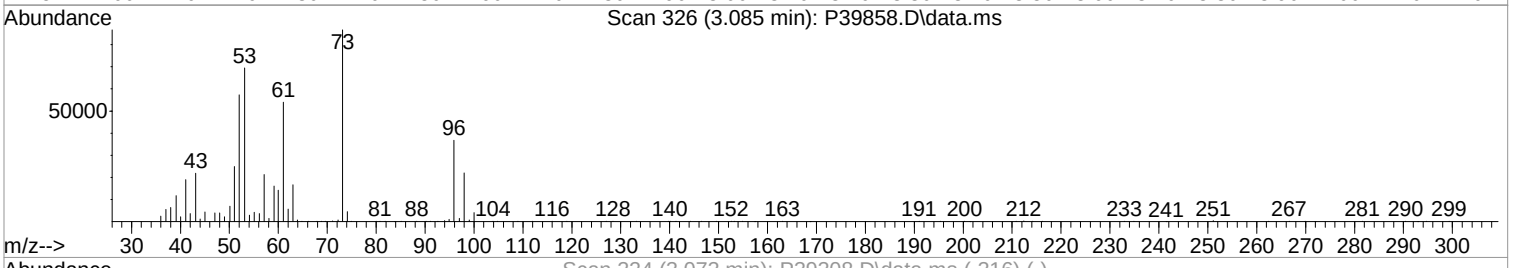
1st 09/21/20
2nd 09/24/20

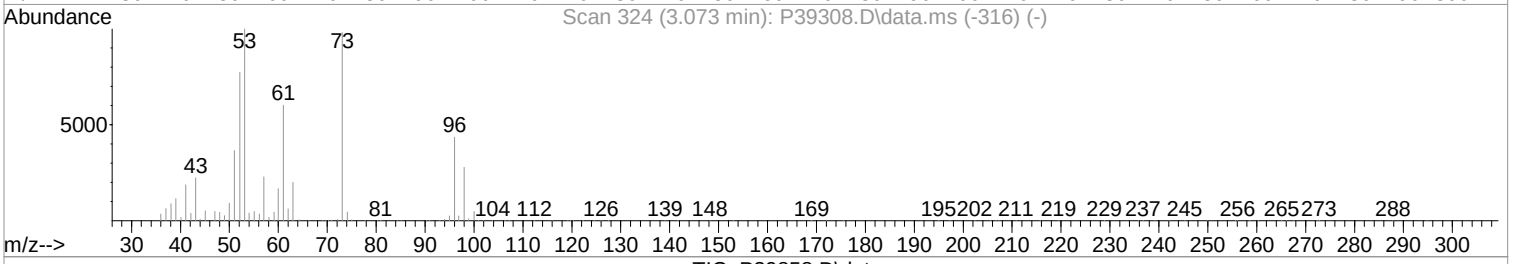
Quantitation Report (Qedit)

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:

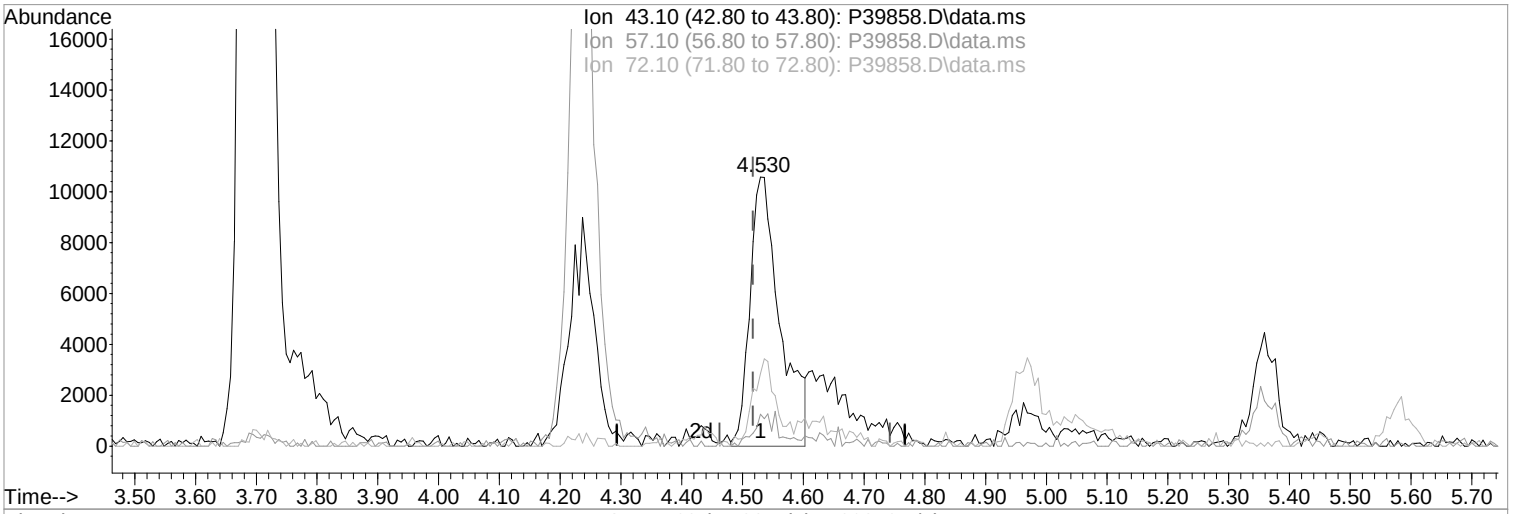
Before

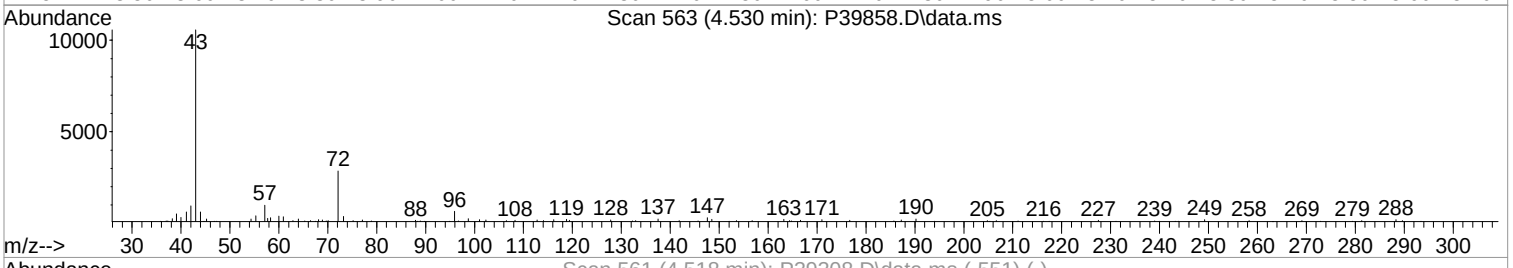
09/21/20

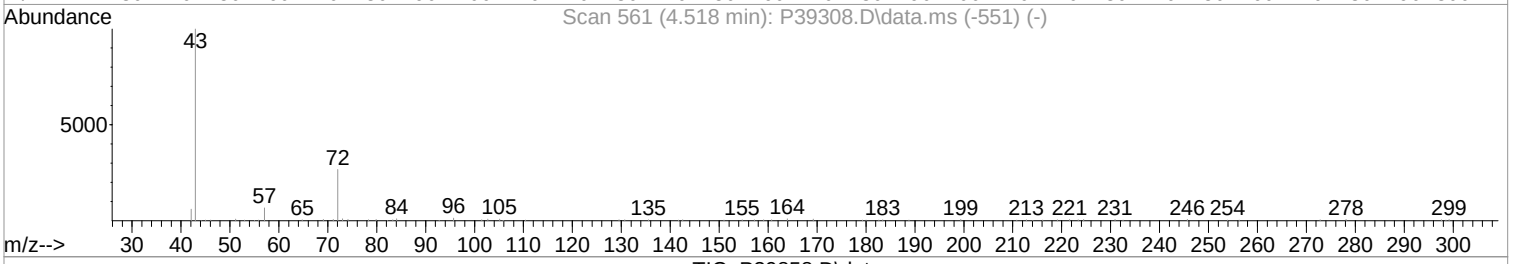
Quantitation Report (Qedit)

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.

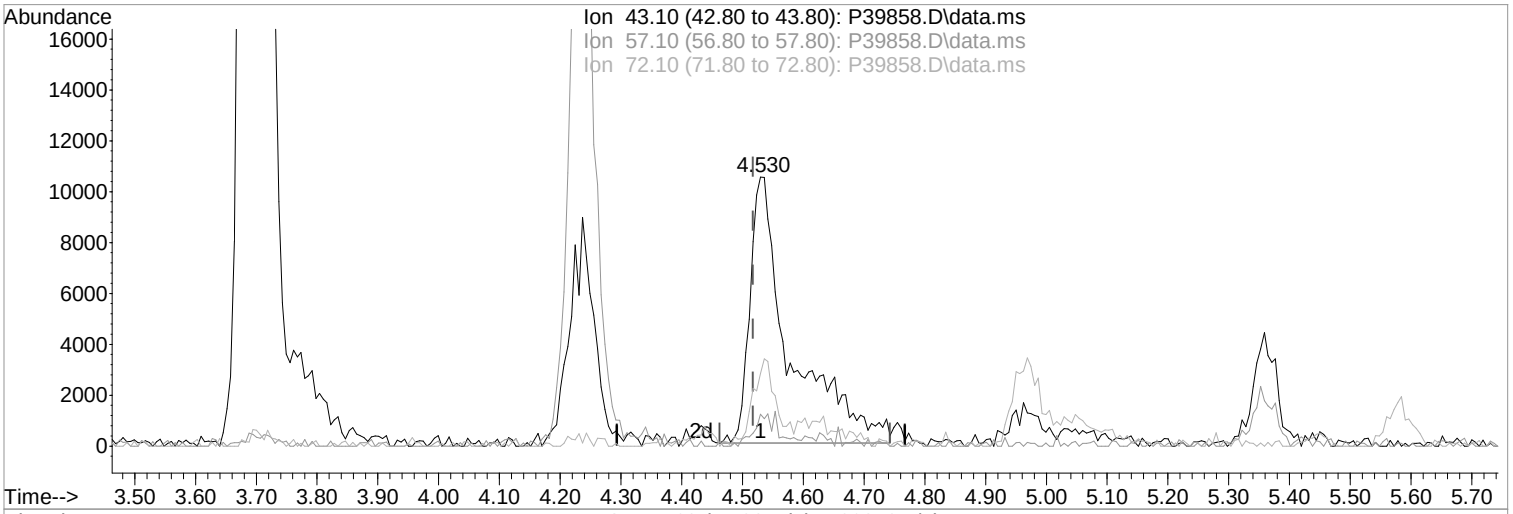
09/21/20

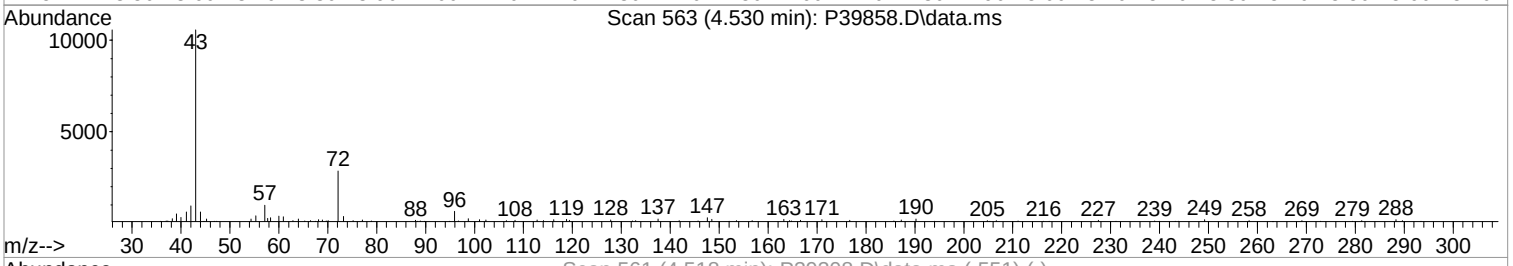
1st 09/21/20
2nd 09/24/20

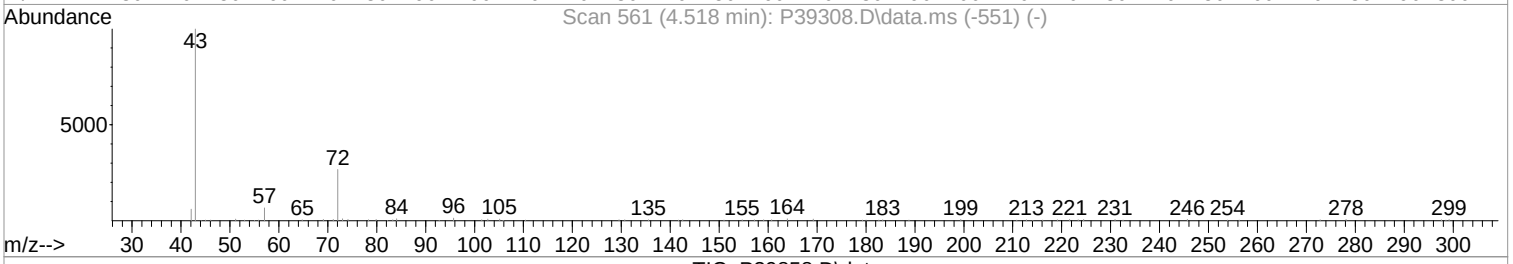
Quantitation Report (Qedit)

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

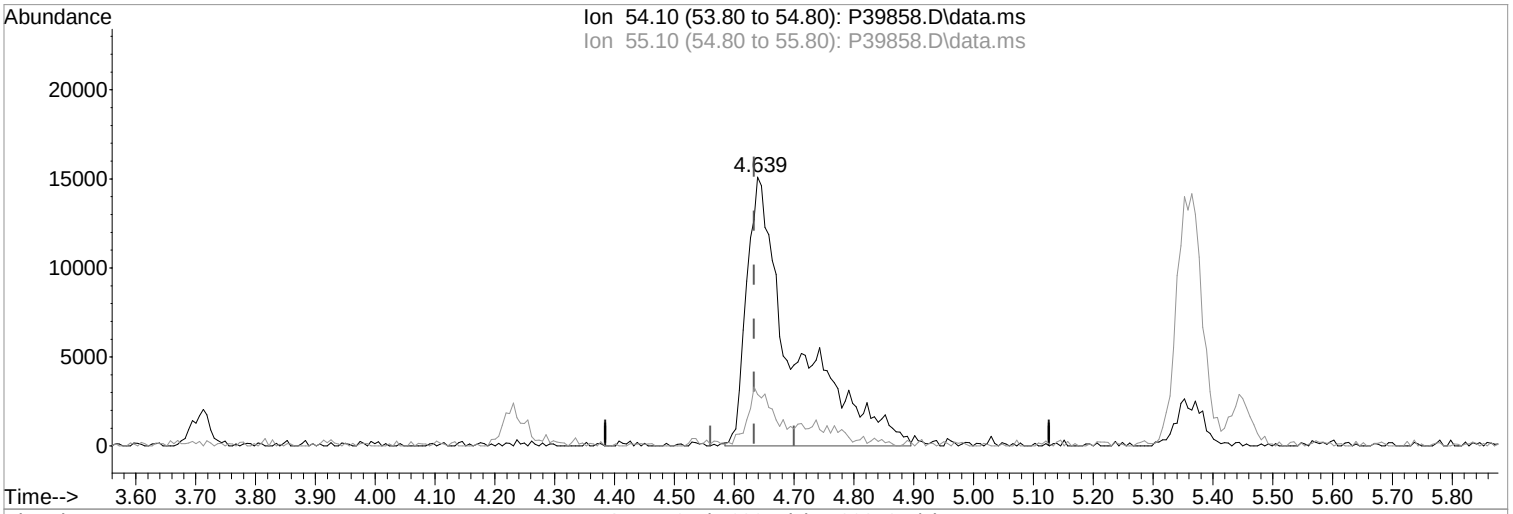
09/21/20

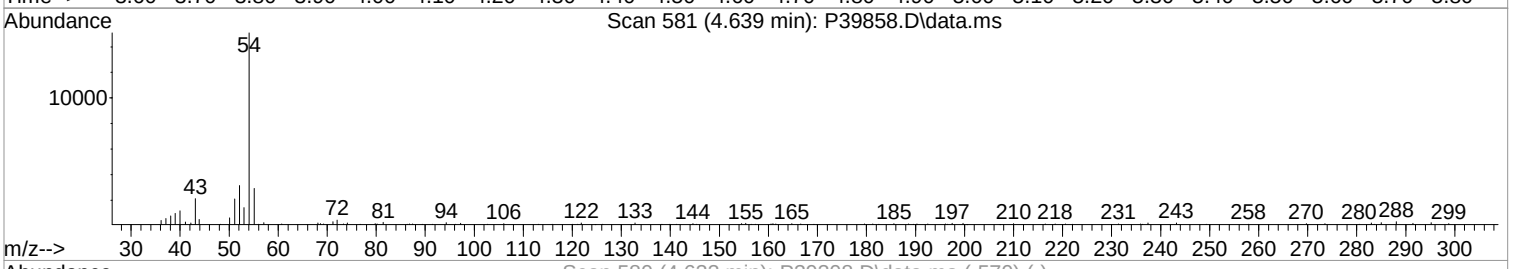
1st 09/21/20
2nd 09/24/20

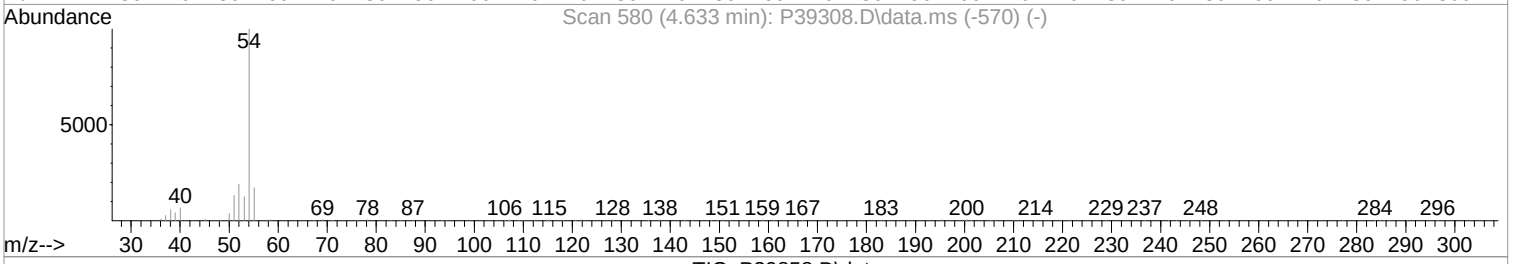
Quantitation Report (Qedit)

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.

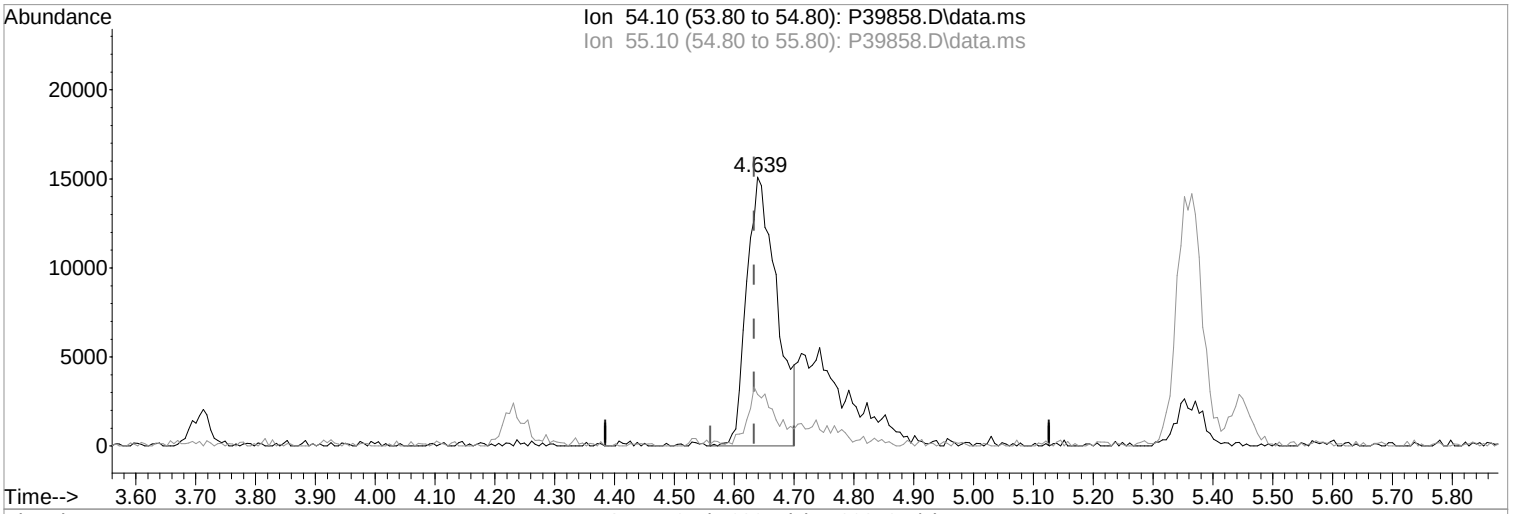
09/21/20

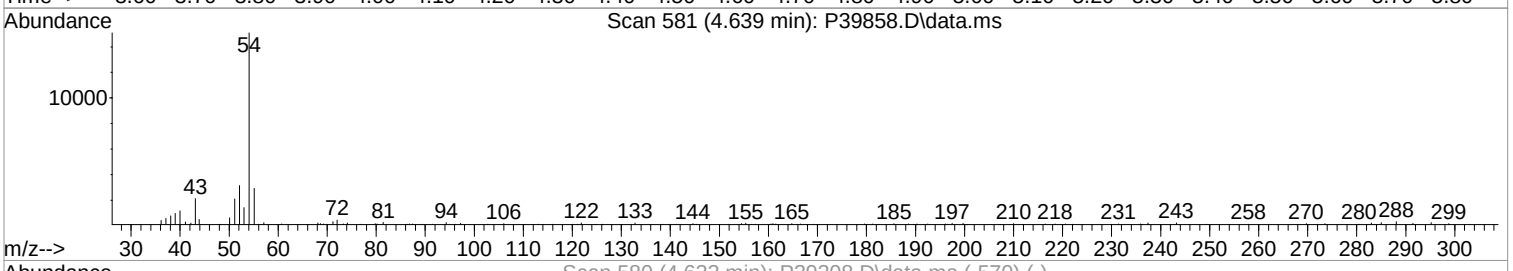
1st 09/21/20
2nd 09/24/20

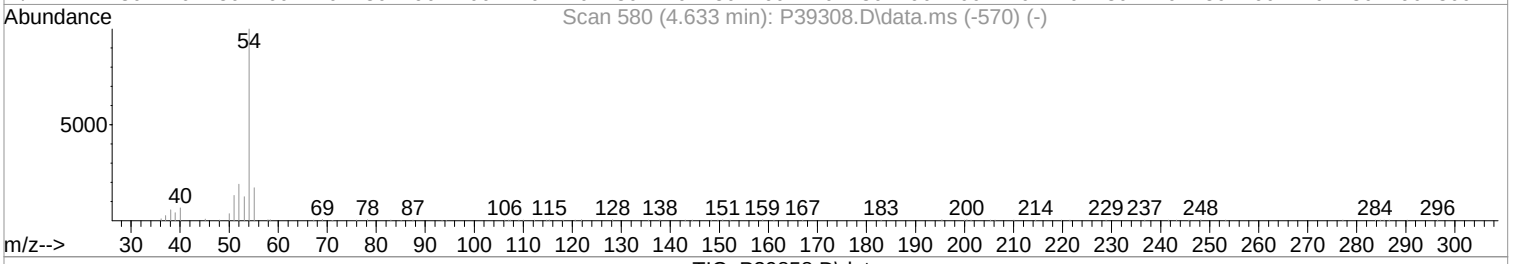
Quantitation Report (Qedit)

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:

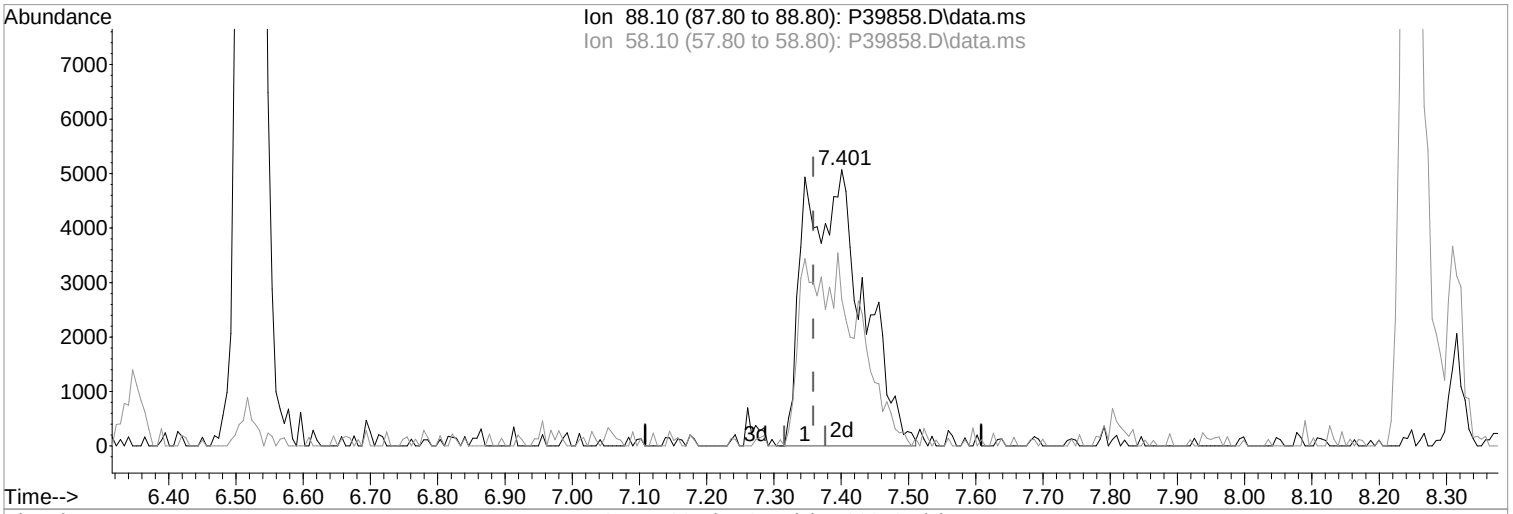
Before

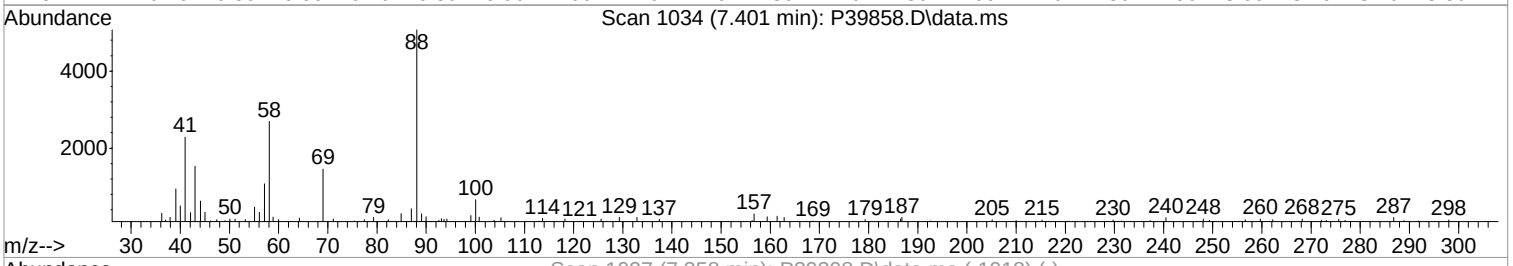
09/21/20

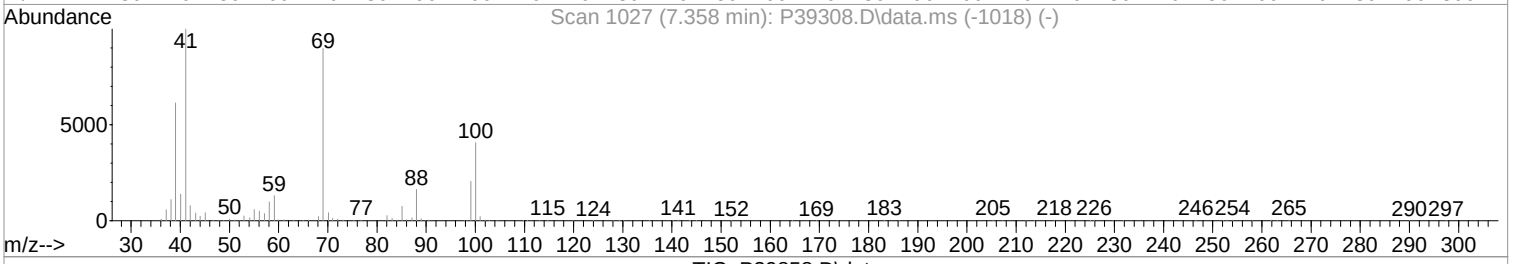
Quantitation Report (Qedit)

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

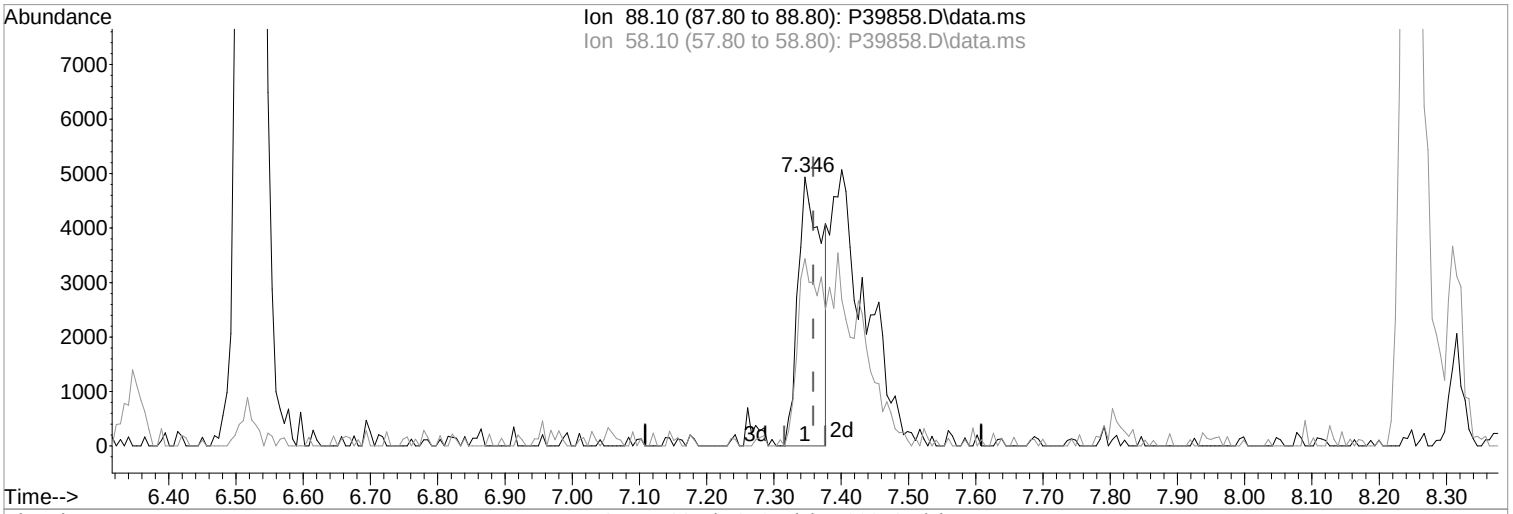
Split Peak

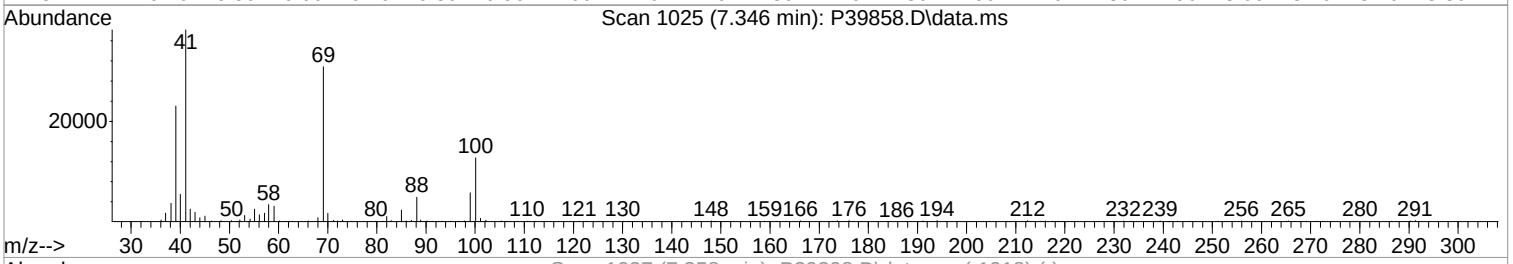
09/21/20

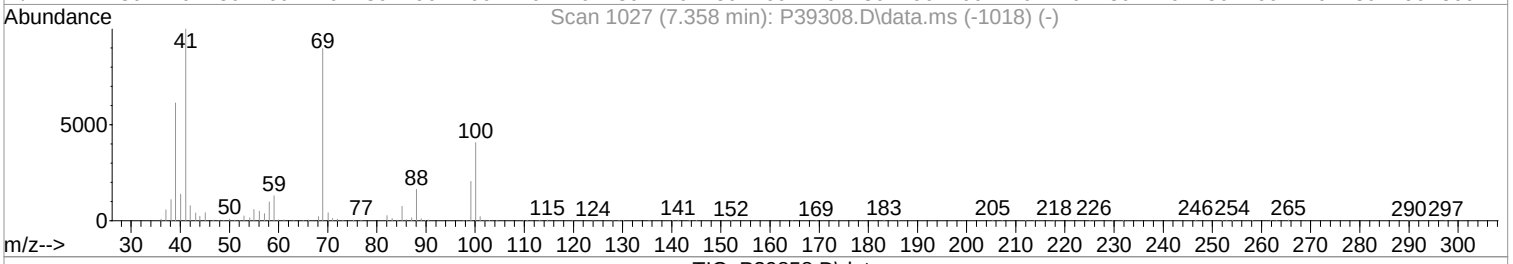
Quantitation Report (Qedit)

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

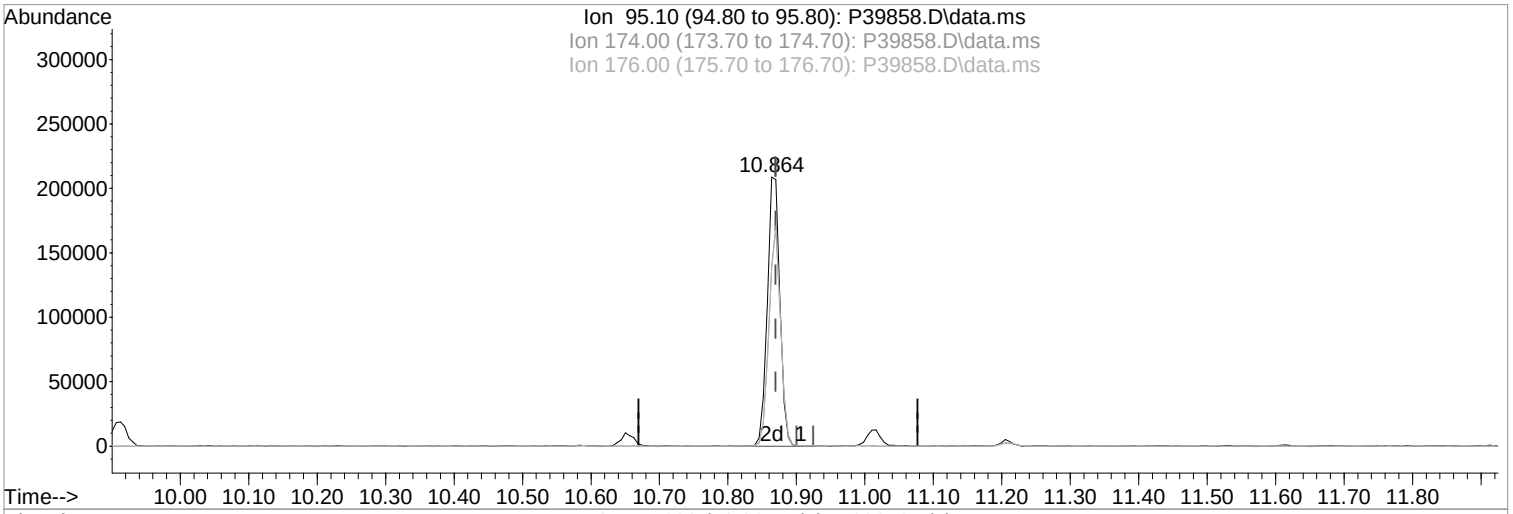
09/21/20

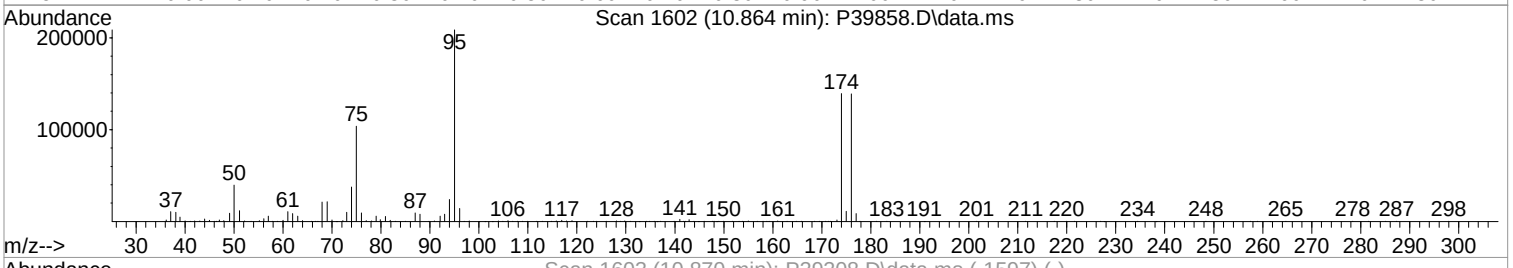
1st 09/21/20
2nd 09/24/20

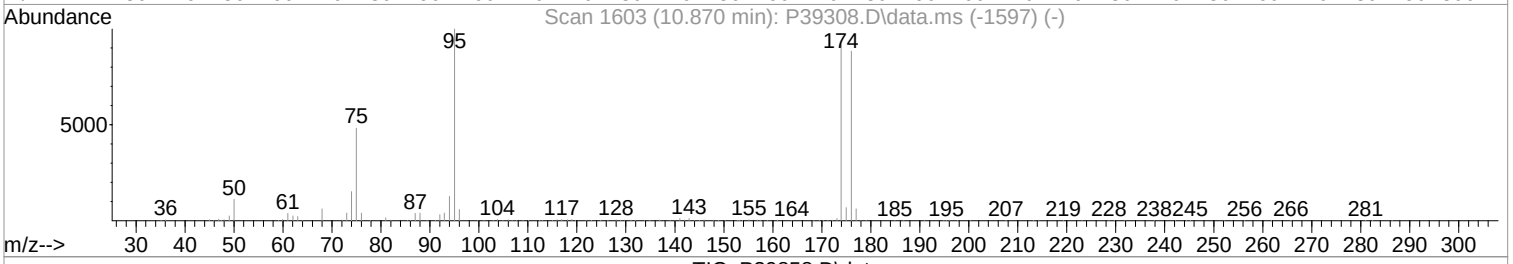
Quantitation Report (Qedit)

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)

10.864min (-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.

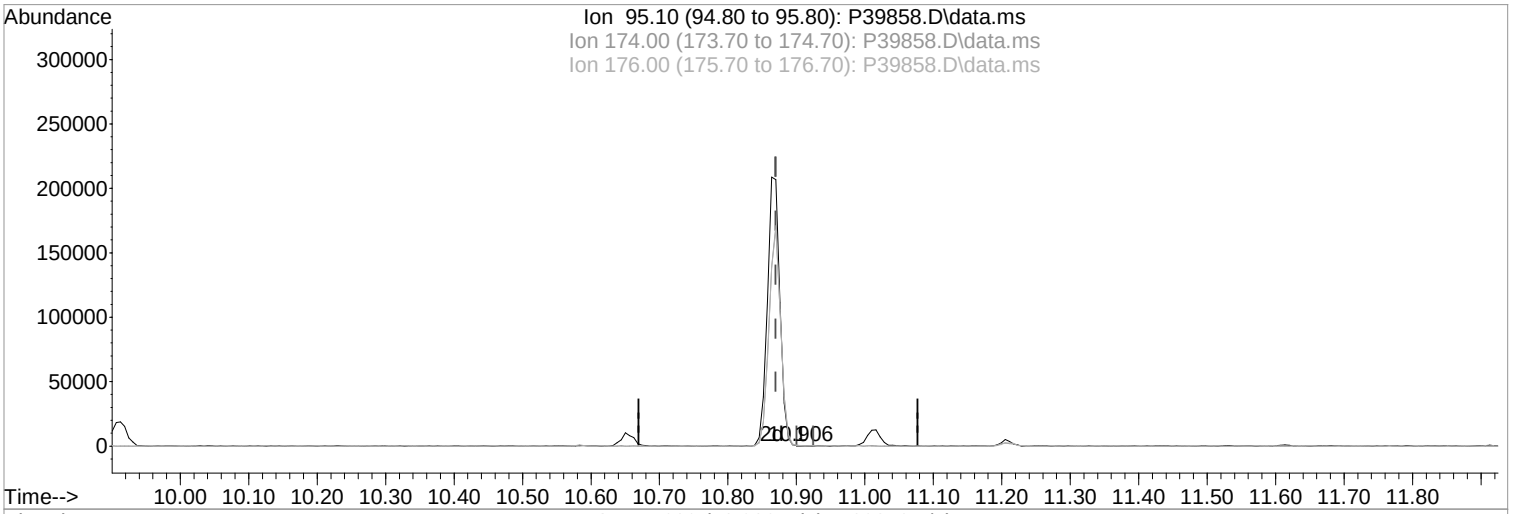
09/21/20

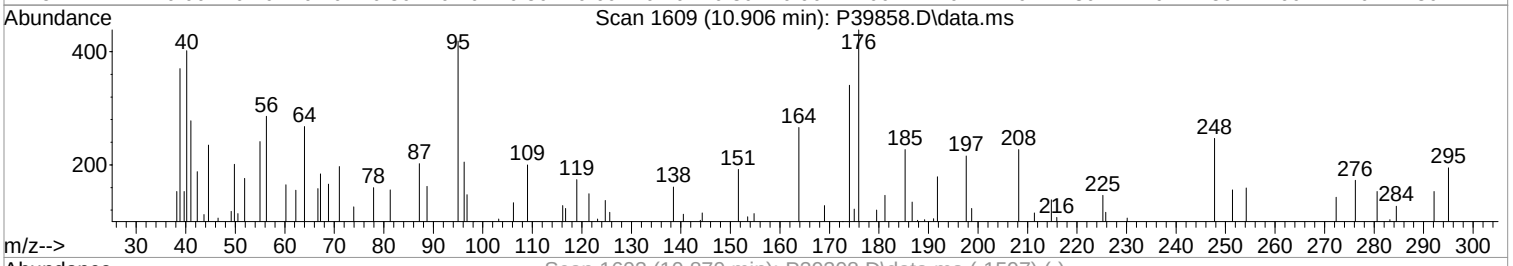
1st 09/21/20
2nd 09/24/20

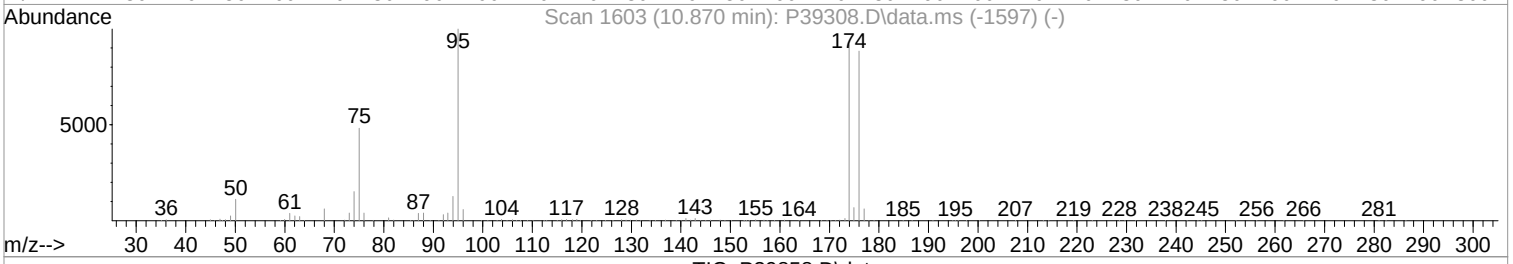
Quantitation Report (Qedit)

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

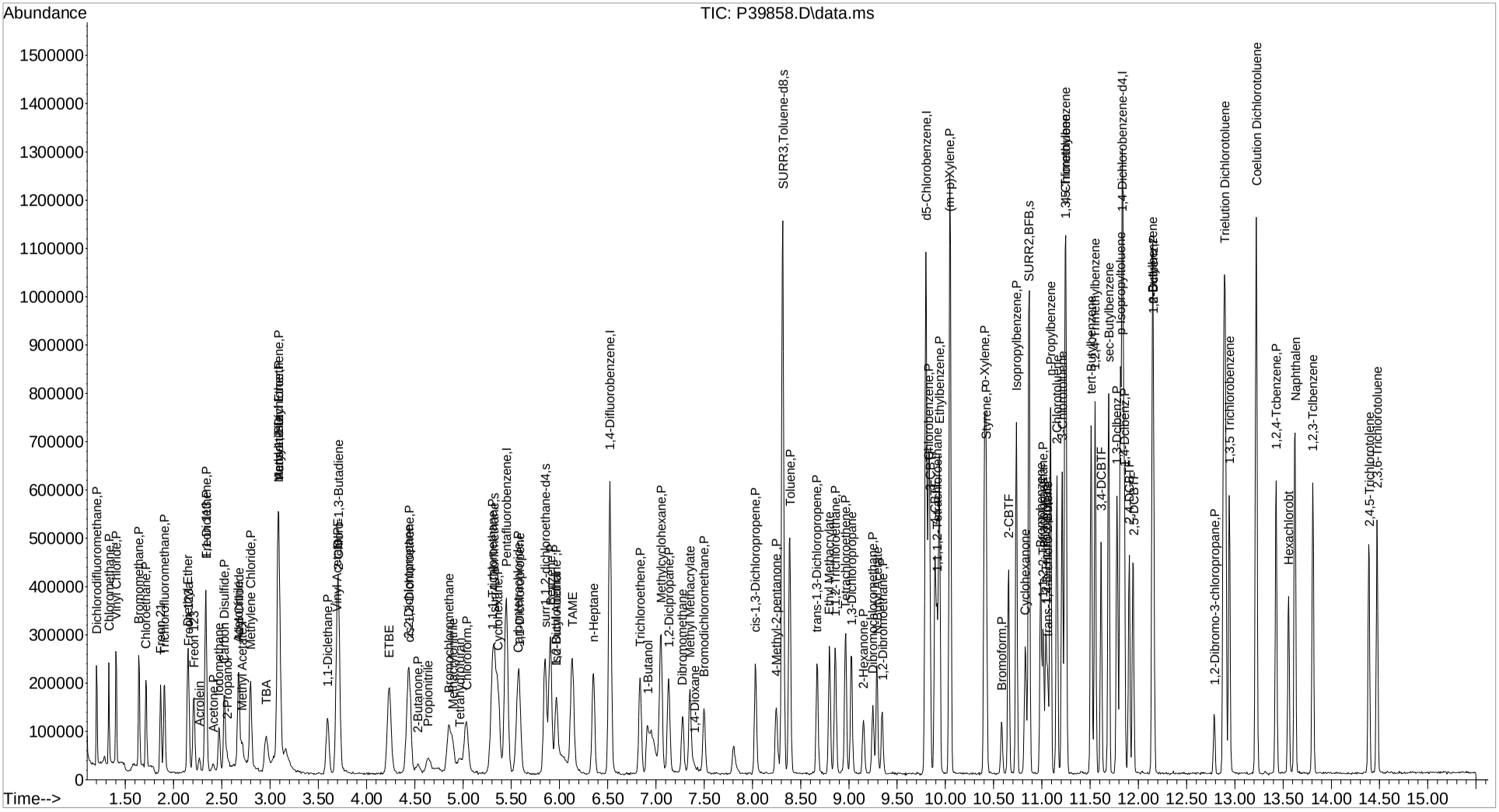
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

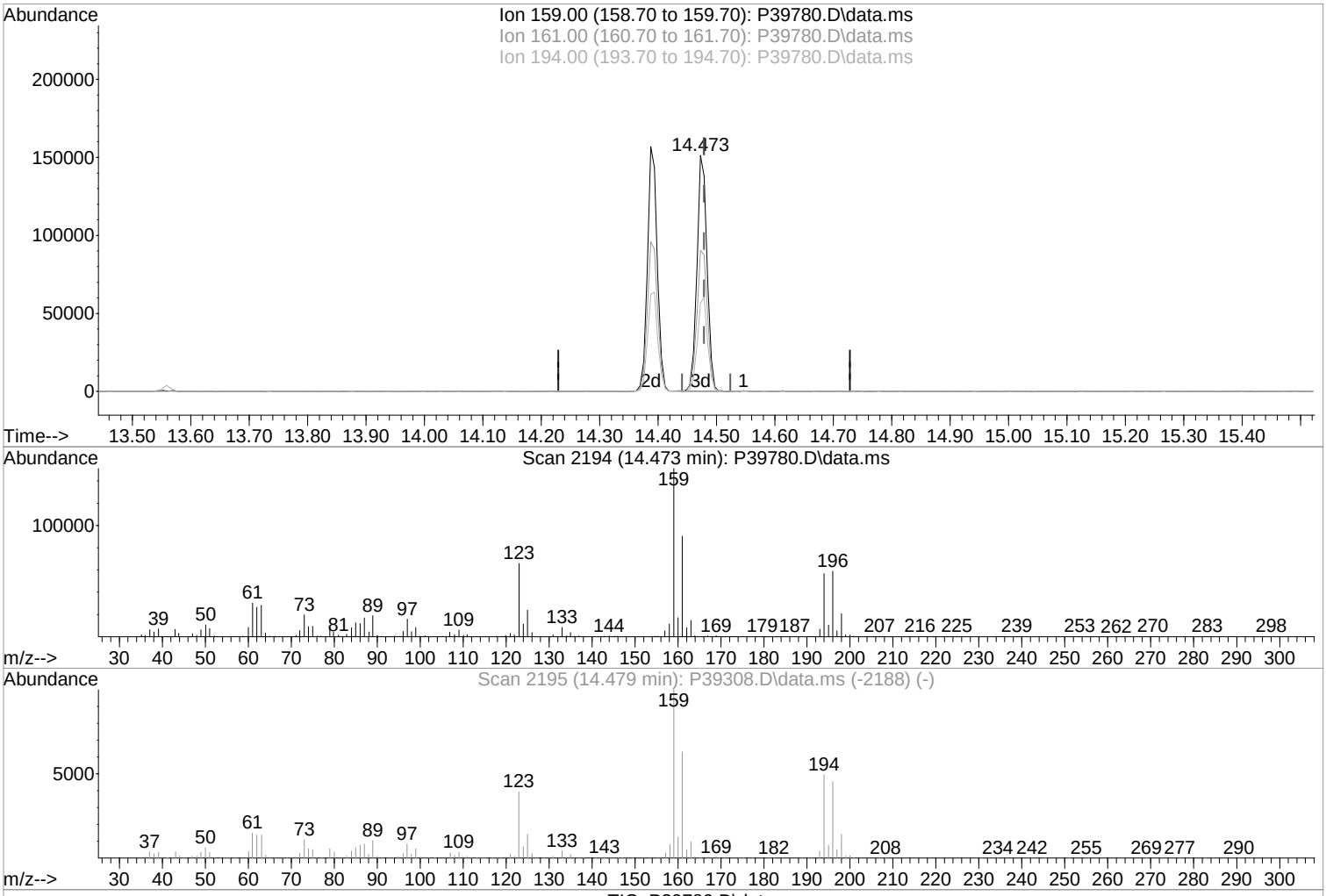
09/21/20 1st
09/24/20 2nd



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.473min (-0.006) 44.30 ppb m

response 180445

Ion	Exp%	Act%
159.00	100	100
161.00	63.20	59.72
194.00	49.30	37.54#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

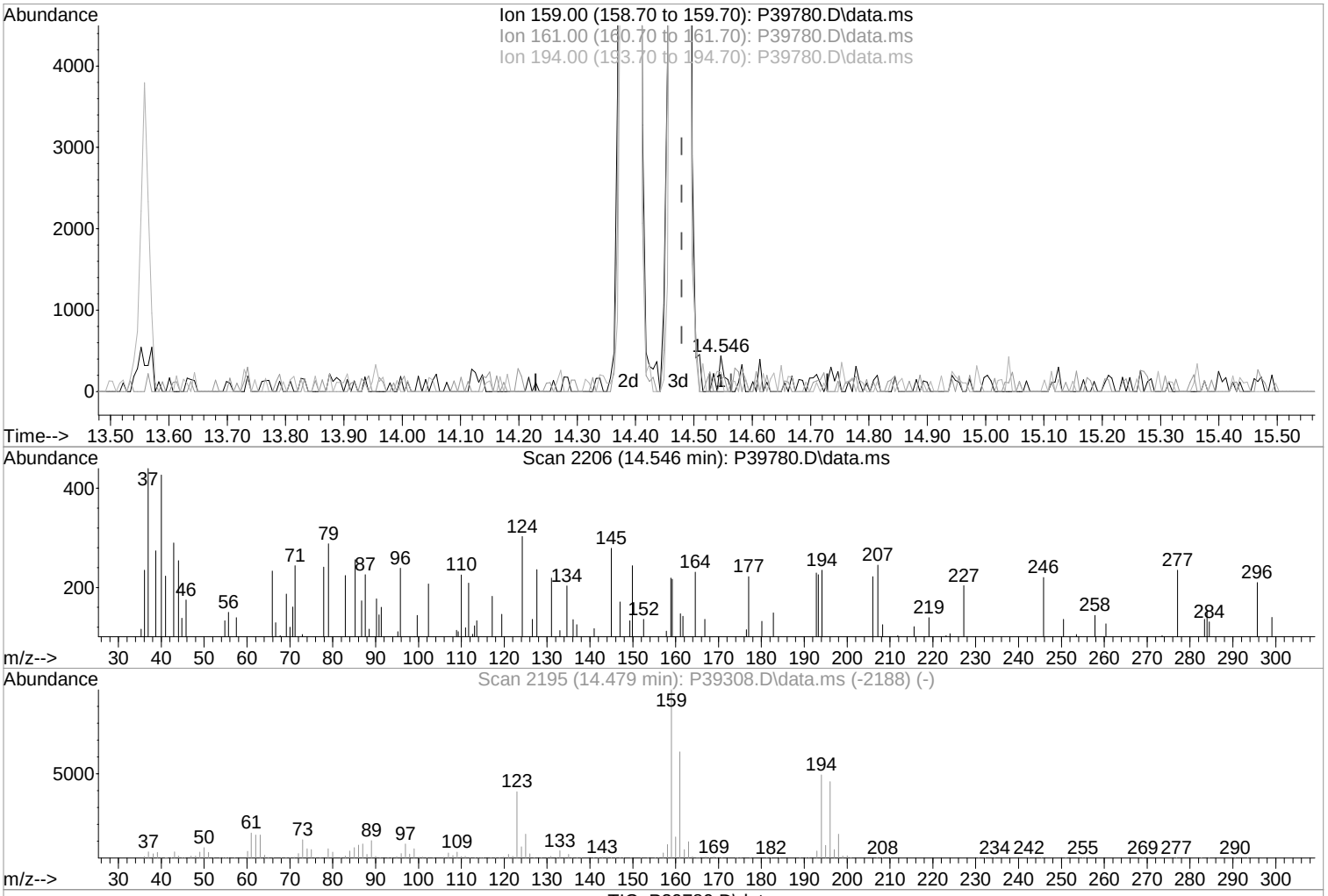
09/22/20

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

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(120) 2,3,6-Trichlorotoluene

14.546min (+0.067) 0.09 ppb

response 358

Ion	Exp%	Act%
159.00	100	100
161.00	63.20	66.28
194.00	49.30	53.90
0.00	0.00	0.00

Manual Integration:

Before

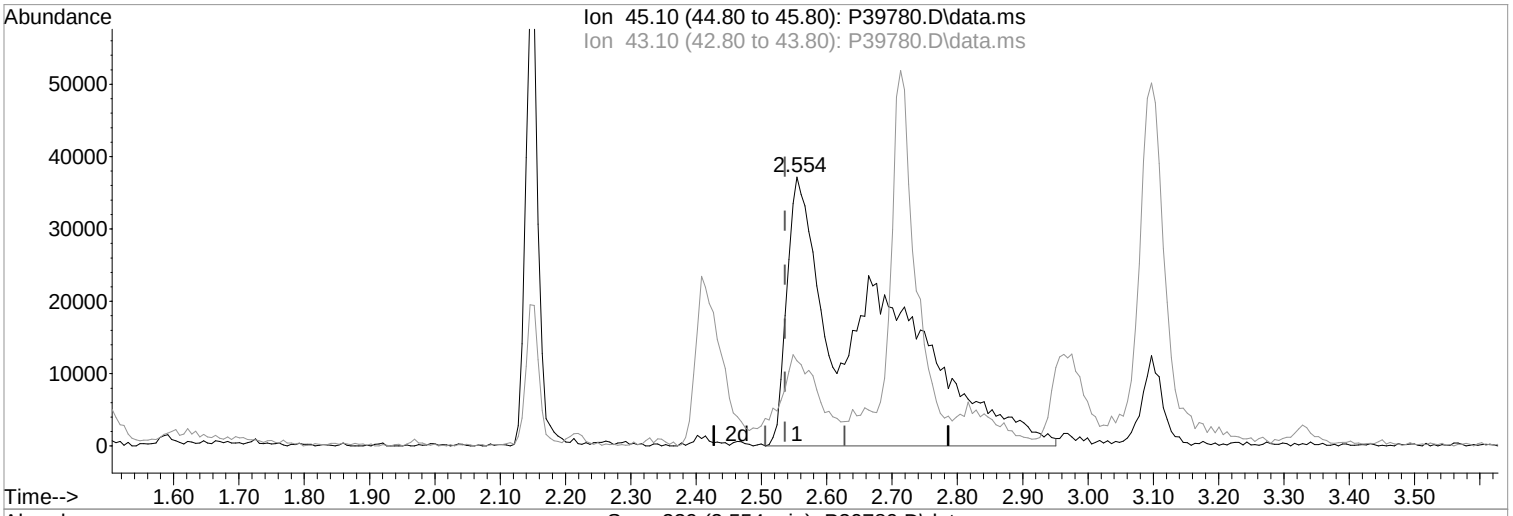
09/22/20

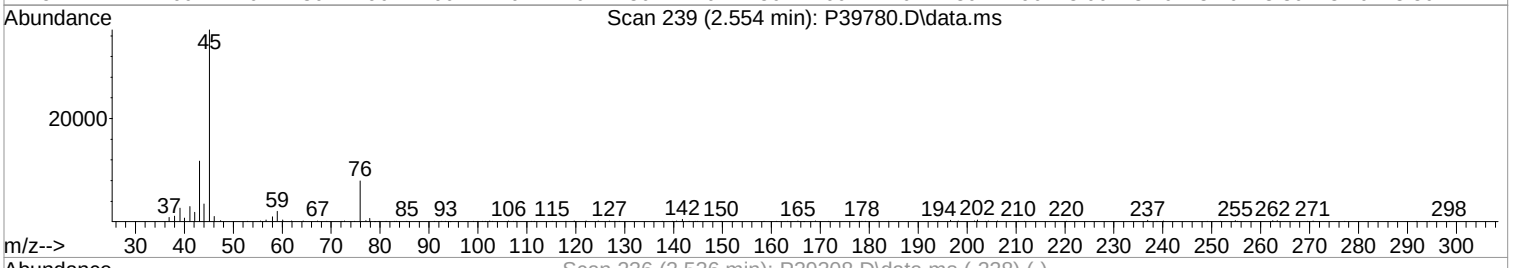
1st 09/22/20
2nd 09/22/20

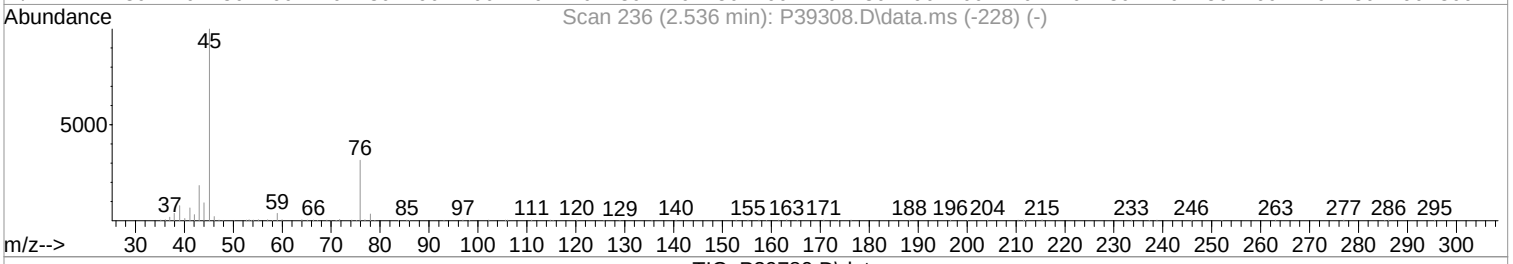
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 948.75 ppb m

response 333575

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	31.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

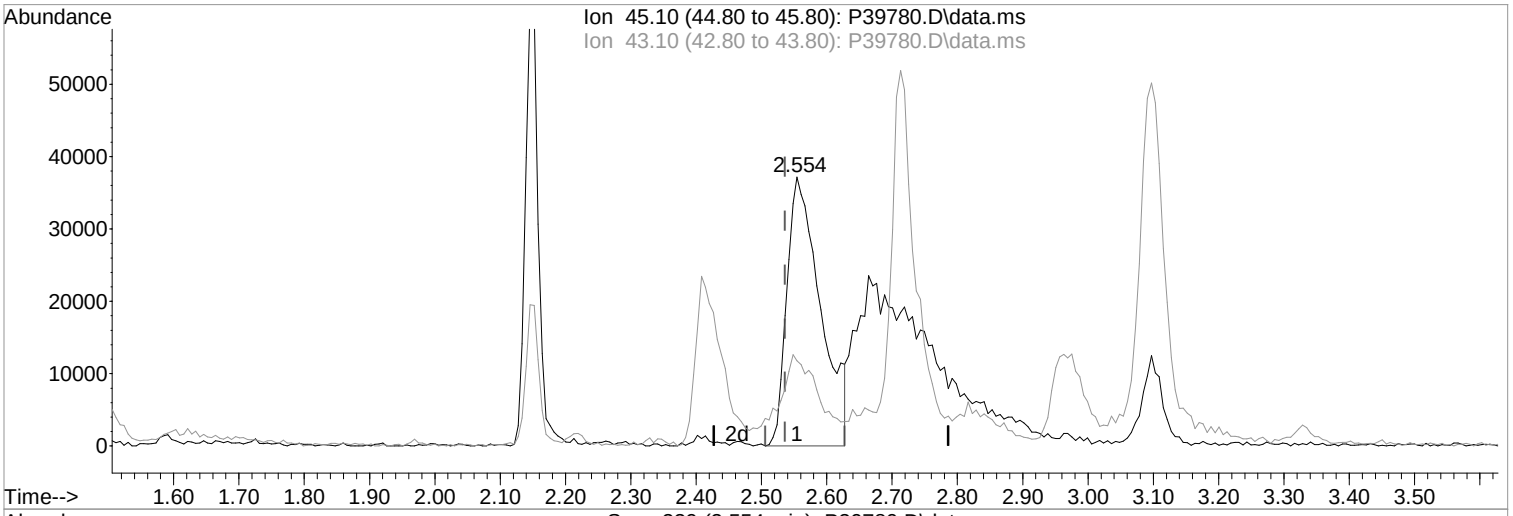
09/22/20

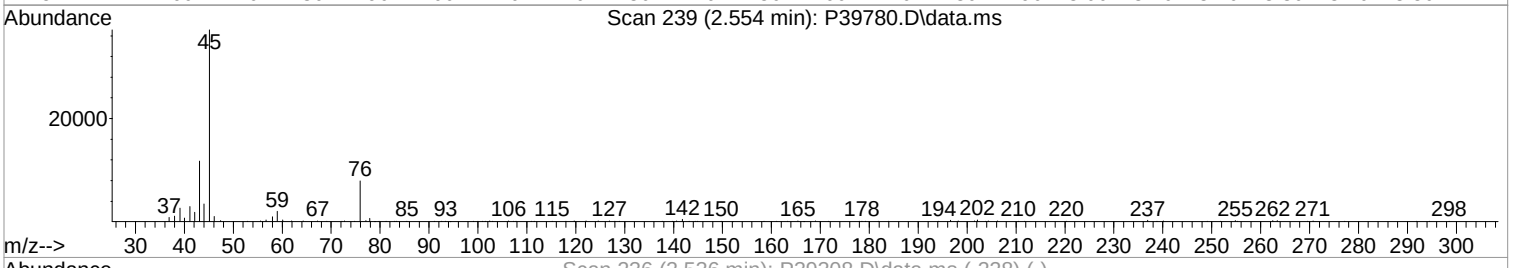
1st 09/22/20
2nd 09/22/20

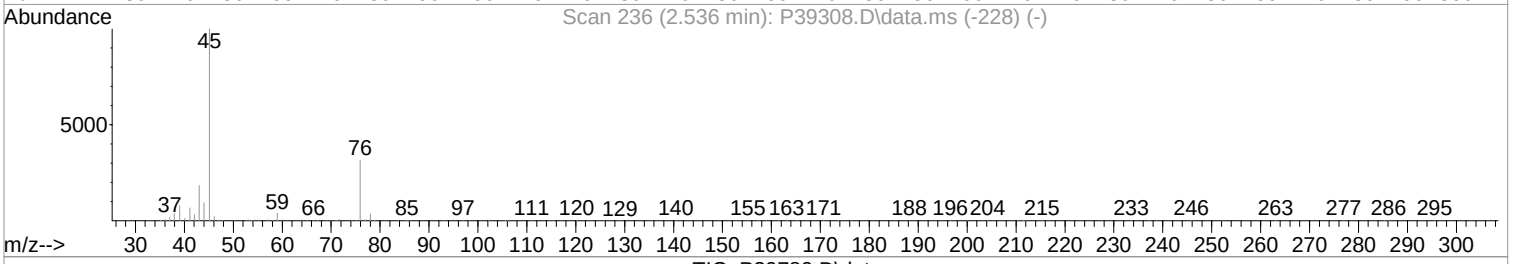
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 379.54 ppb

response 133444

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	31.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

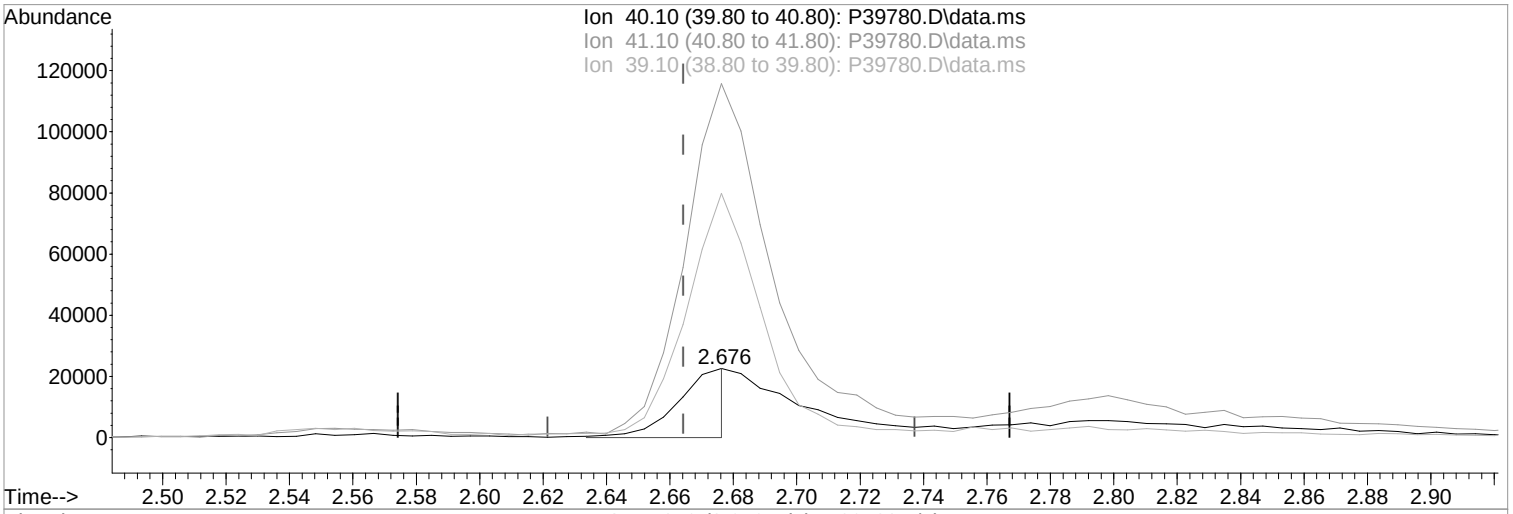
09/22/20

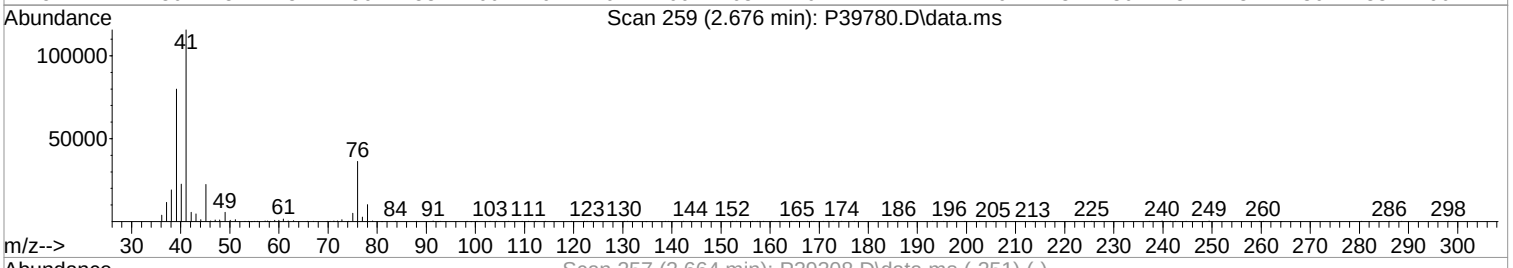
1st 09/22/20
2nd 09/22/20

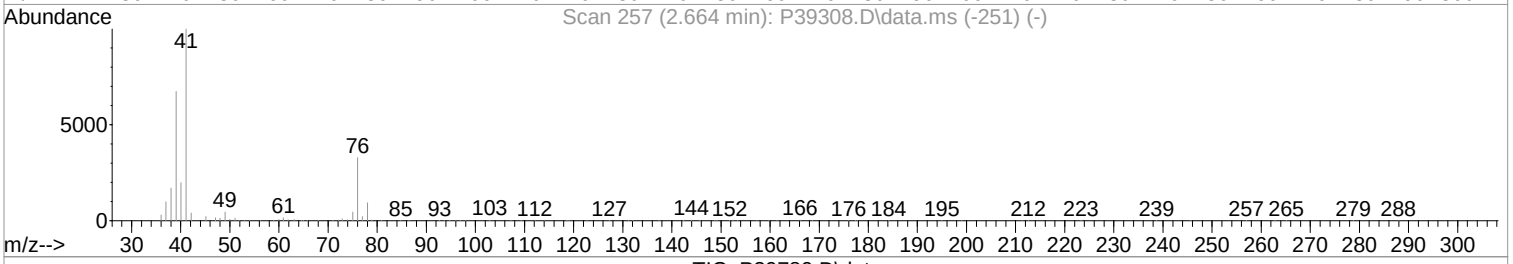
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(19) Acetonitrile

2.676min (+0.012) 219.94 ppb m

response 24855

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	510.99
39.10	343.30	352.56
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

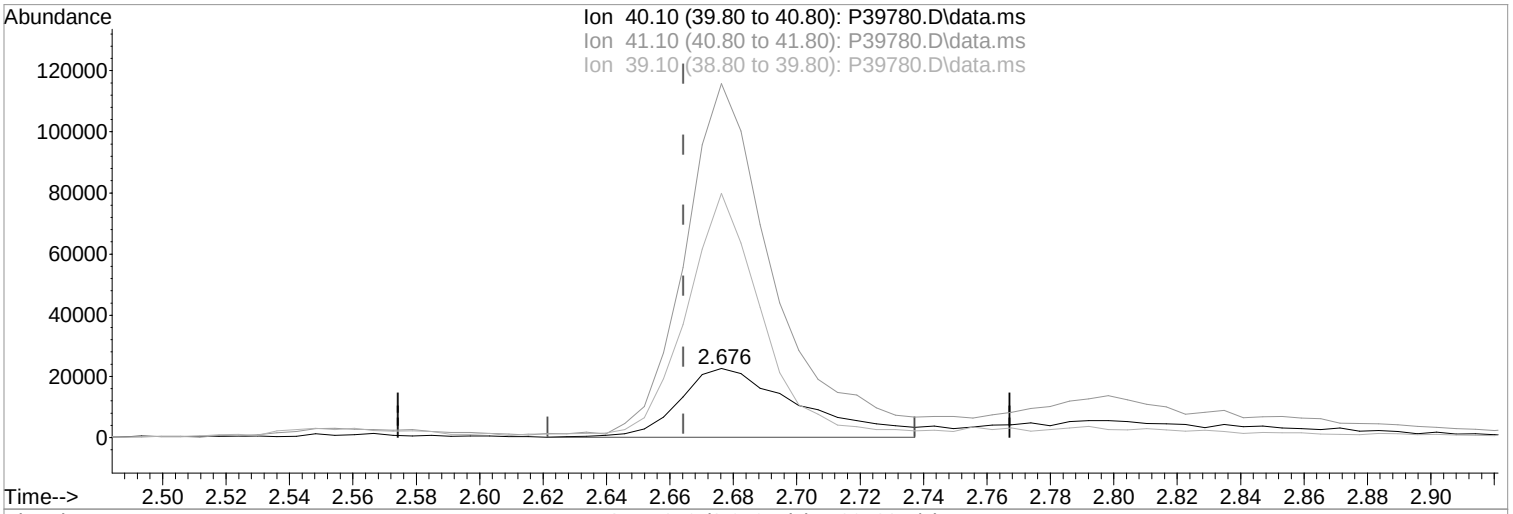
09/22/20

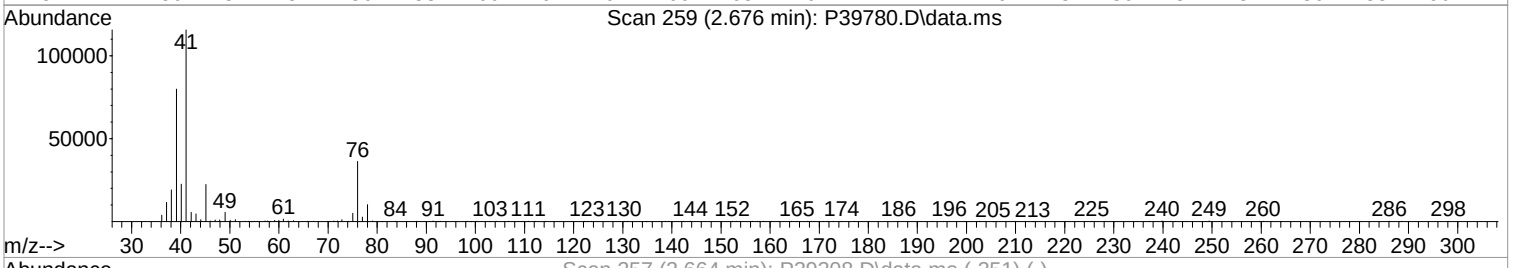
1st 09/22/20
2nd 09/22/20

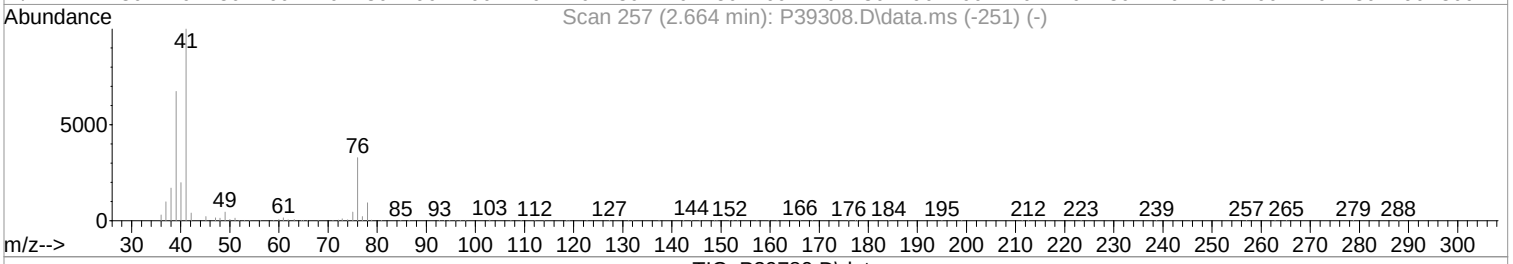
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(19) Acetonitrile

2.676min (+0.012) 520.30 ppb

response 58797

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	510.99
39.10	343.30	352.56
0.00	0.00	0.00

Manual Integration:

Before

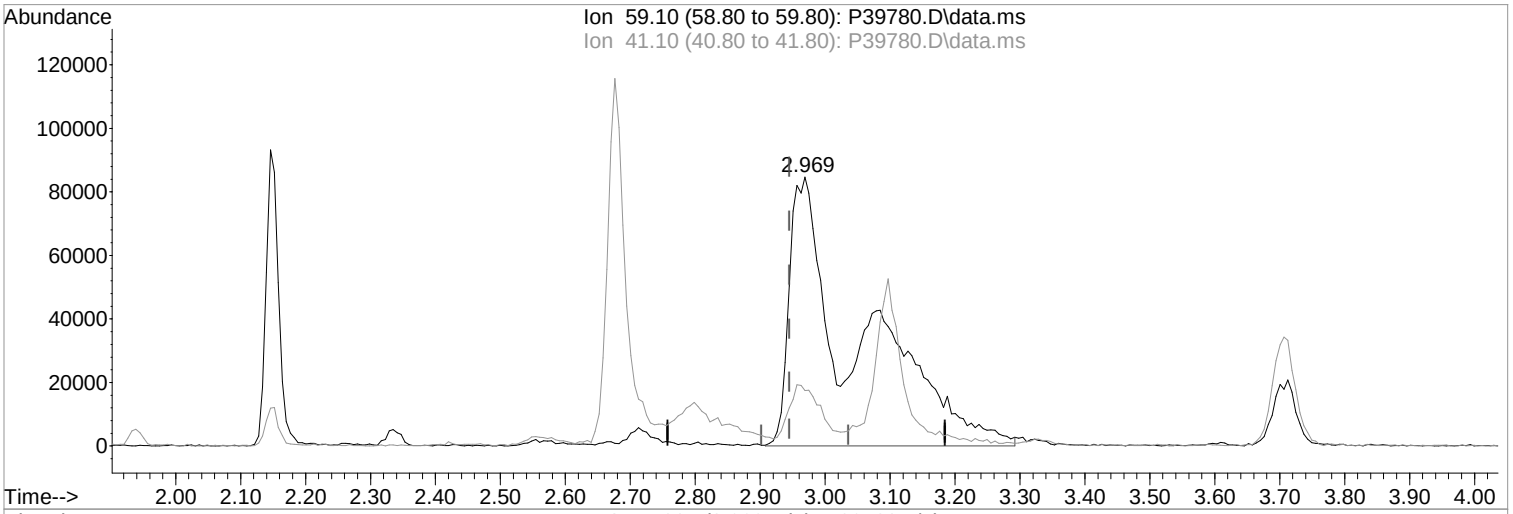
09/22/20

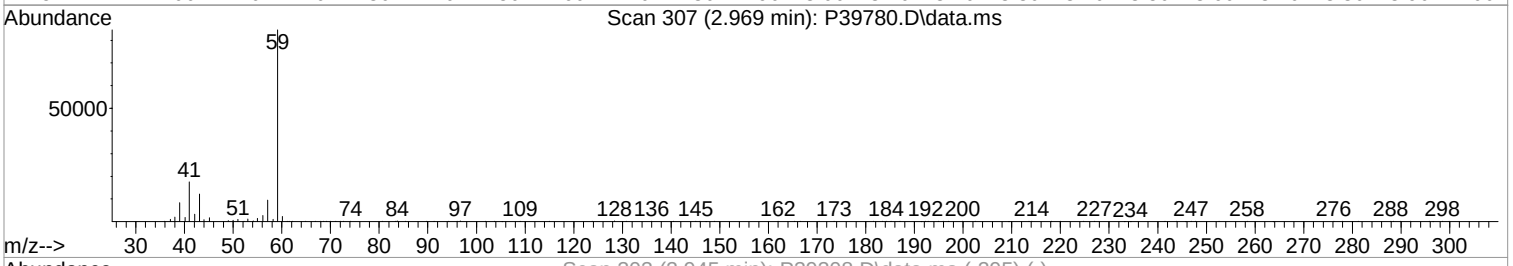
1st 09/22/20
2nd 09/22/20

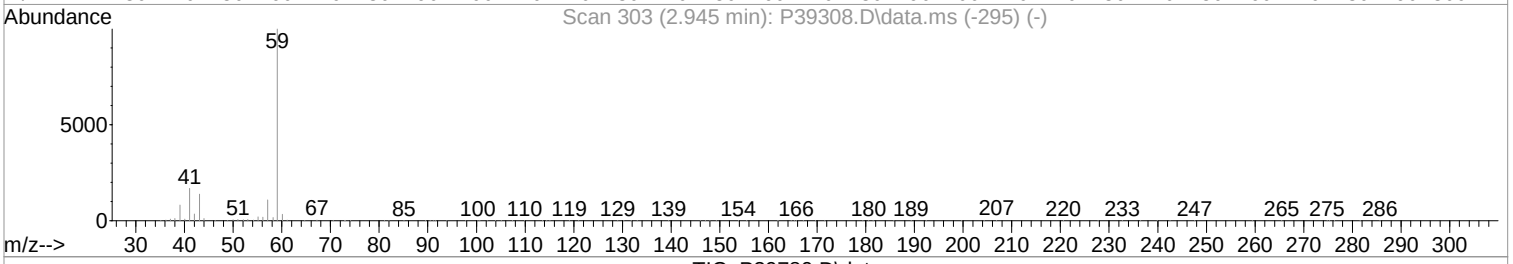
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(23) TBA

2.969min (+0.024) 929.51 ppb m

response 611381

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	20.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

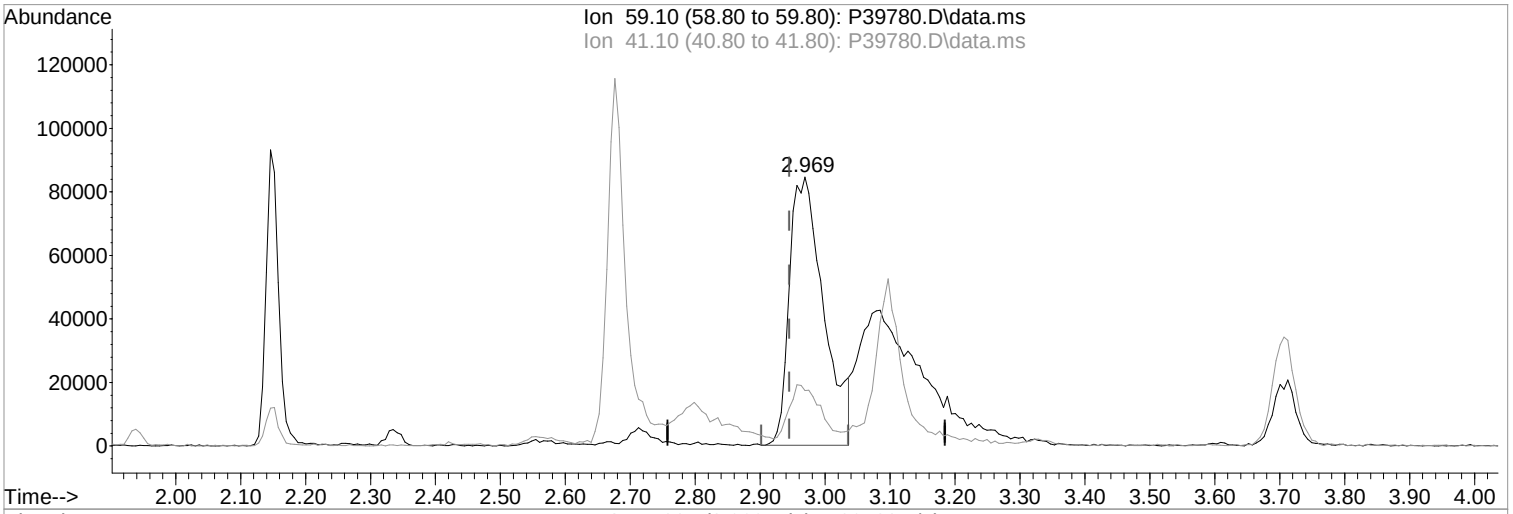
09/22/20

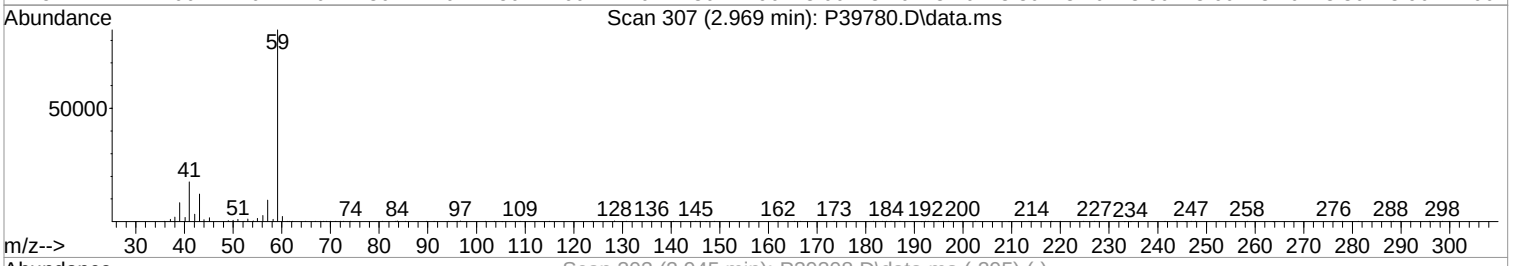
1st 09/22/20
2nd 09/22/20

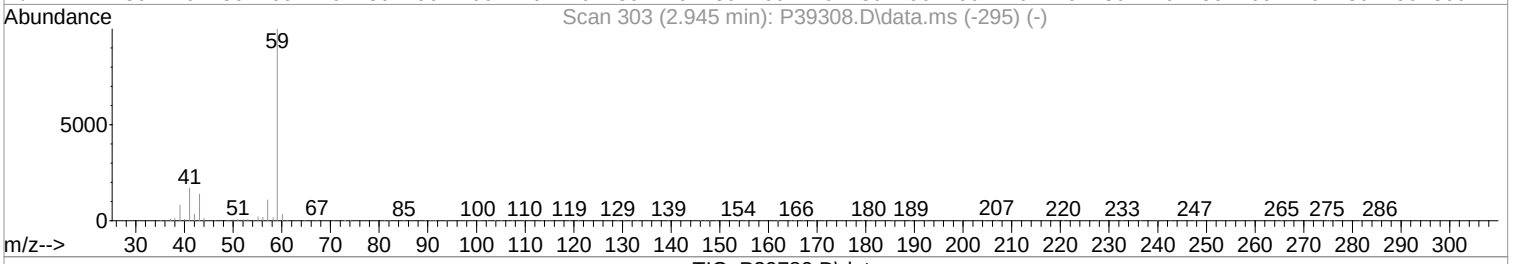
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(23) TBA

2.969min (+0.024) 470.03 ppb

response 309164

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	20.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

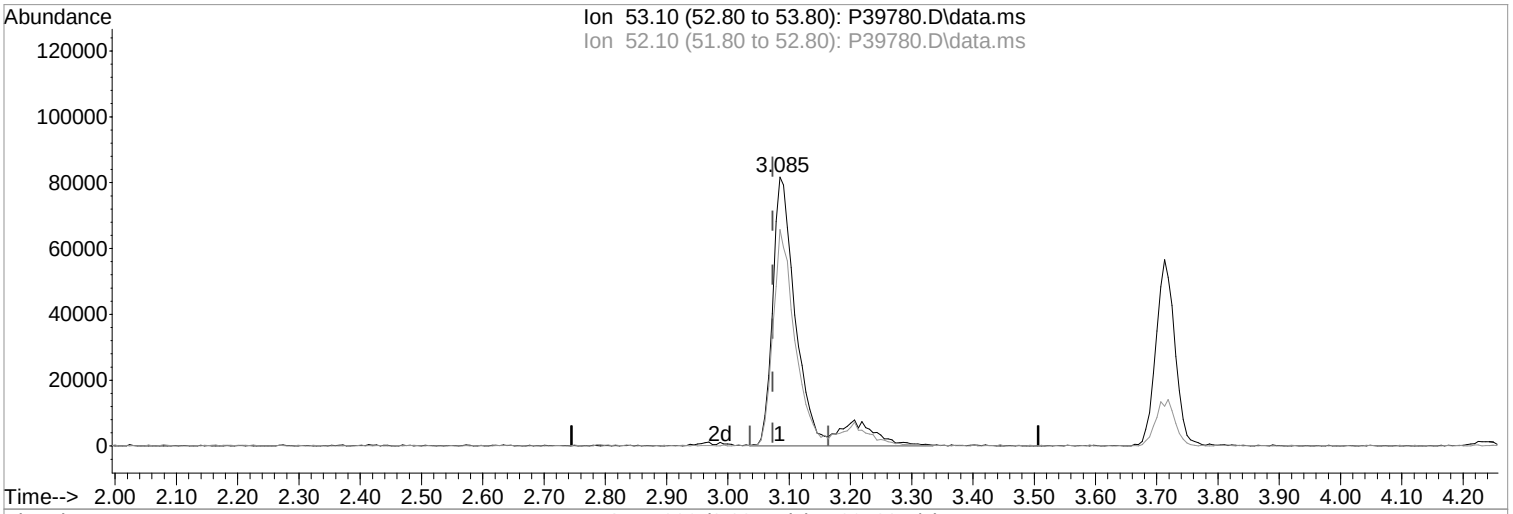
09/22/20

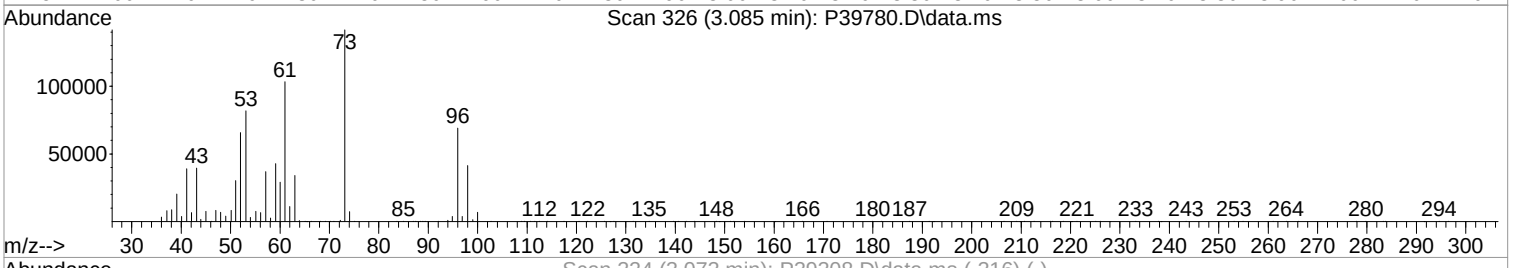
1st 09/22/20
2nd 09/22/20

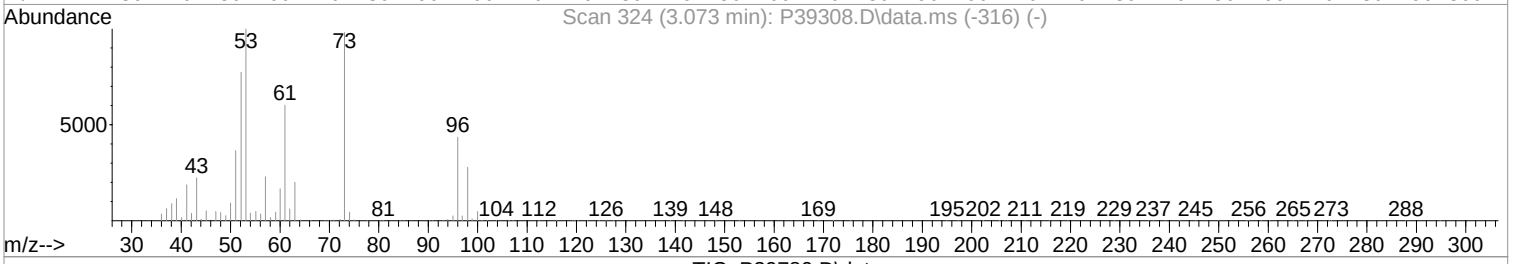
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(24) Acrylonitrile

3.085min (+0.012) 152.78 ppb m

response 239403

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	80.46
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

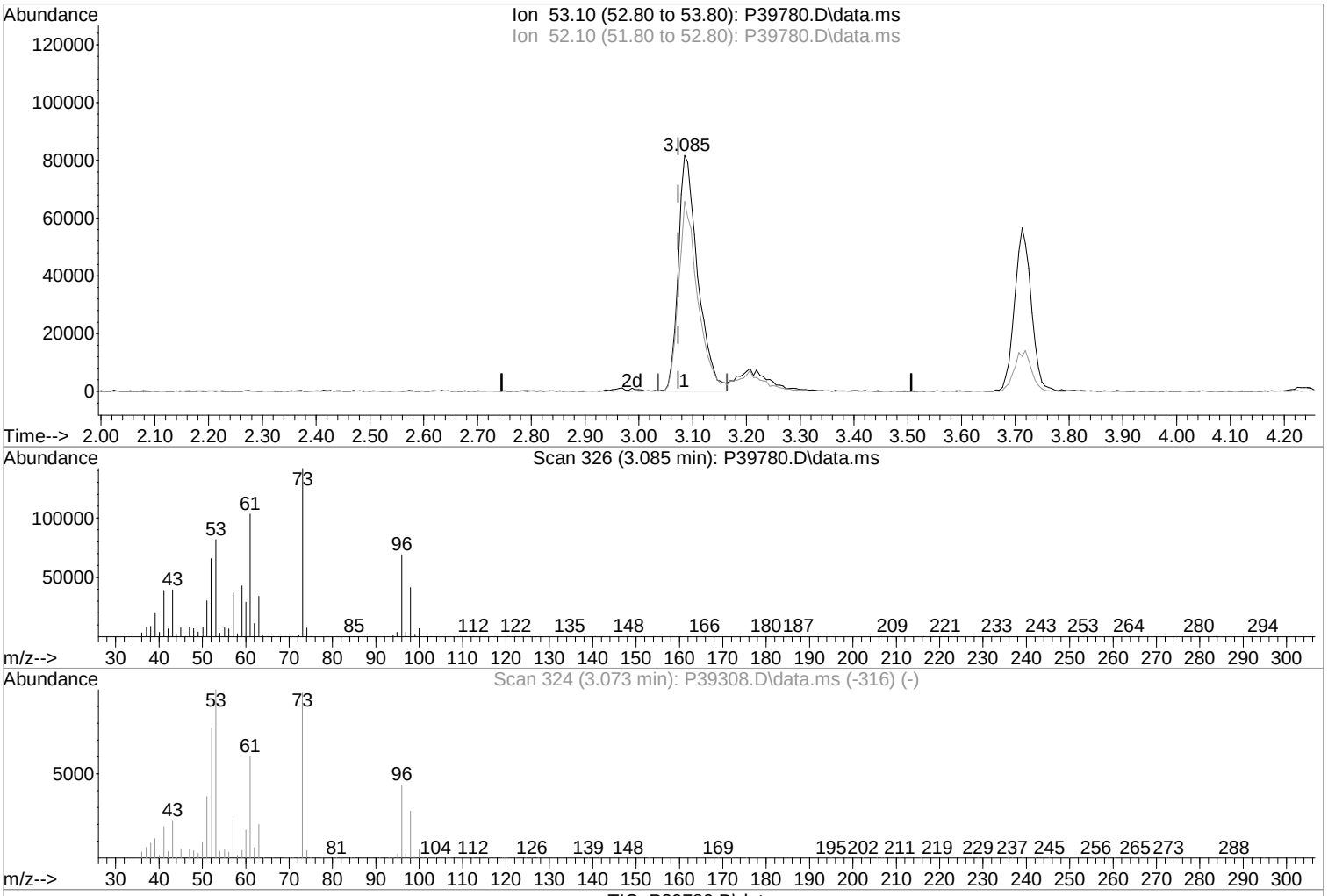
09/22/20

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

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(24) Acrylonitrile

3.085min (+0.012) 131.48 ppb

response 206026

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	80.46
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

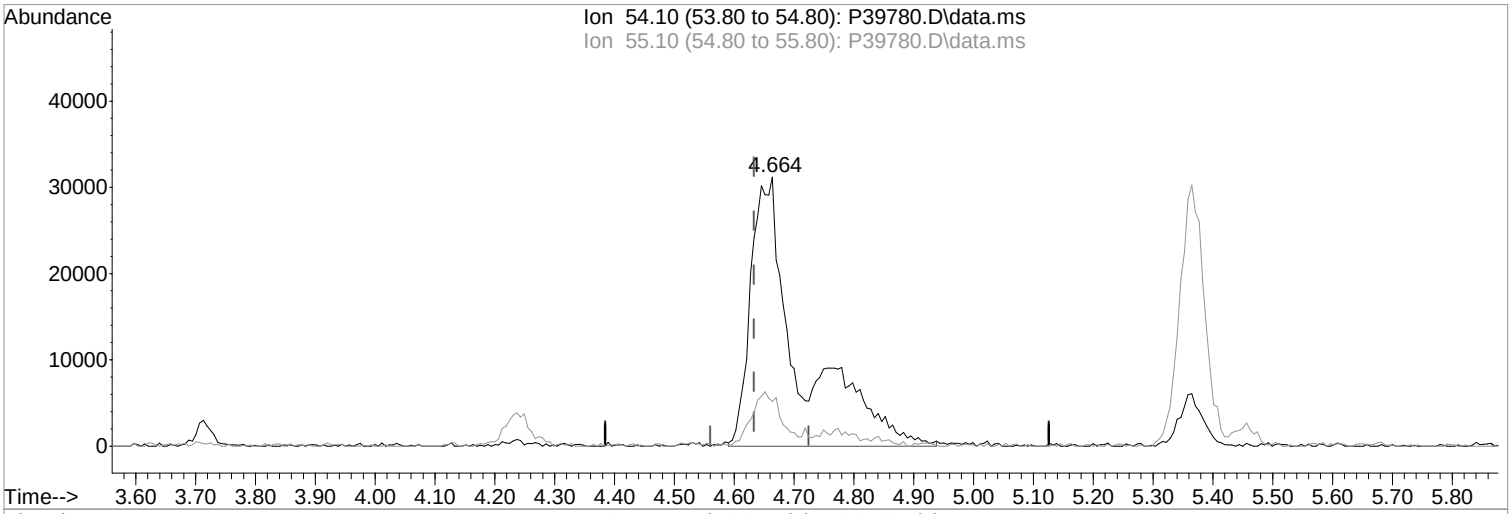
09/22/20

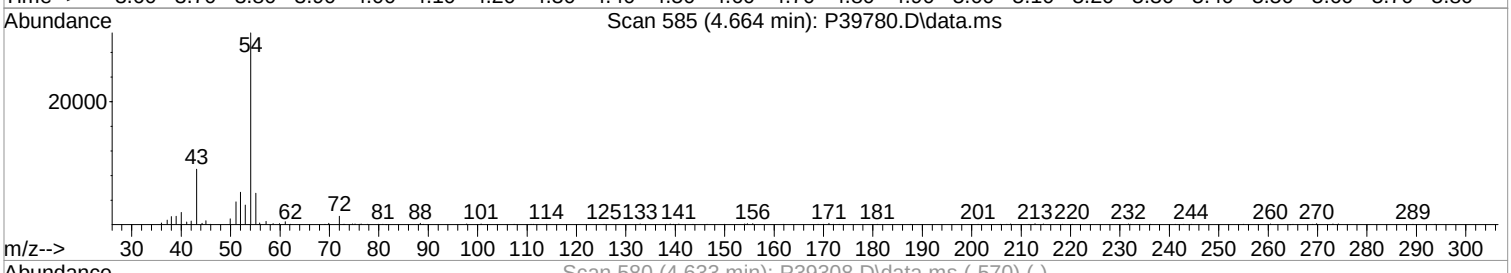
1st 09/22/20
2nd 09/22/20

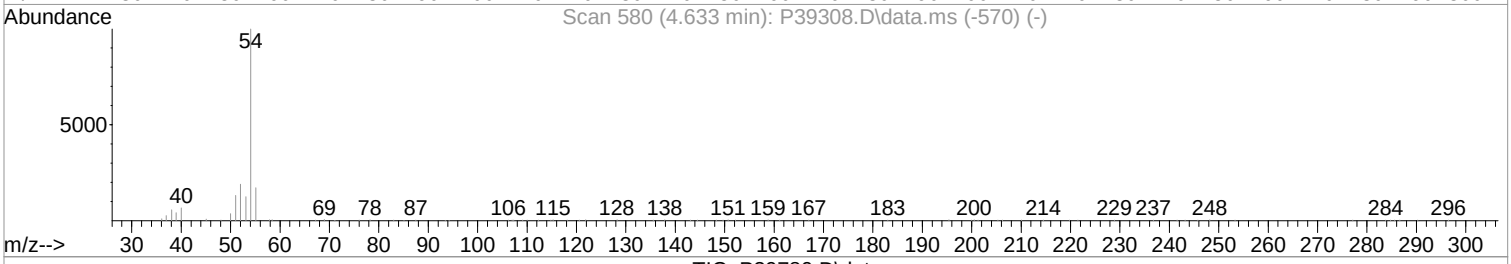
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(36) Propionitrile

4.664min (+0.030) 235.19 ppb m

response 175180

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	16.55
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

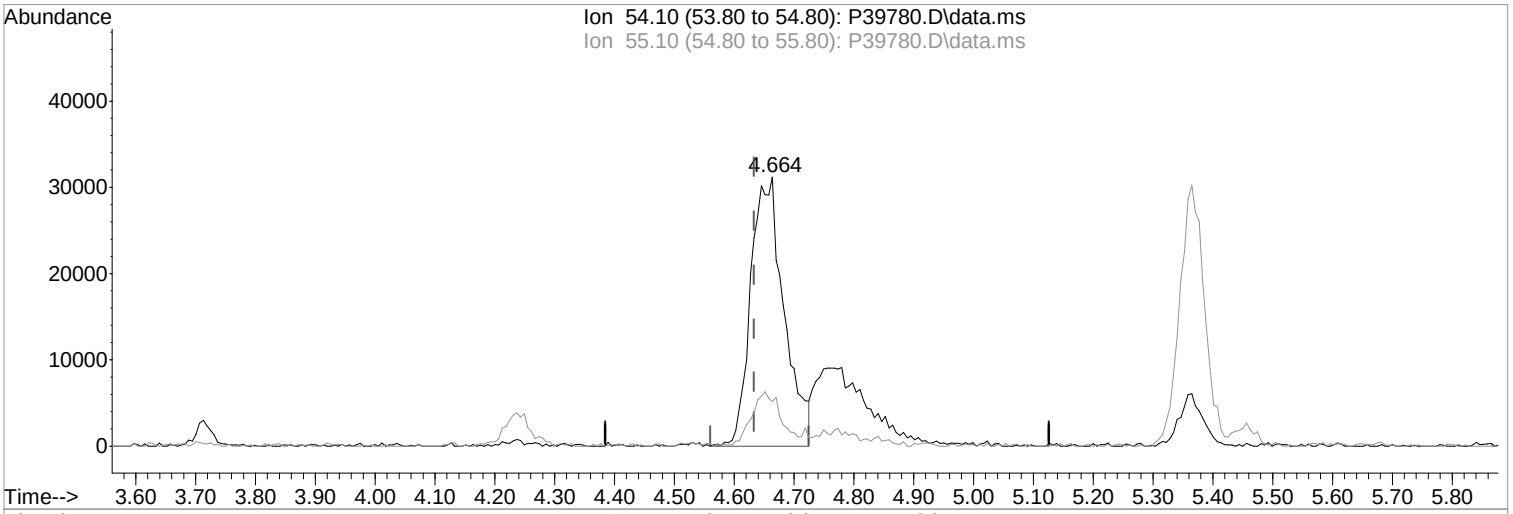
Poor integration.

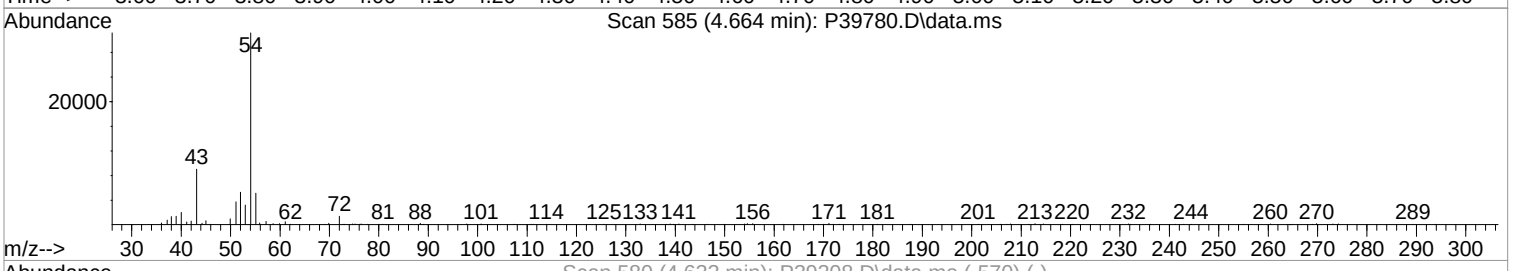
09/22/20

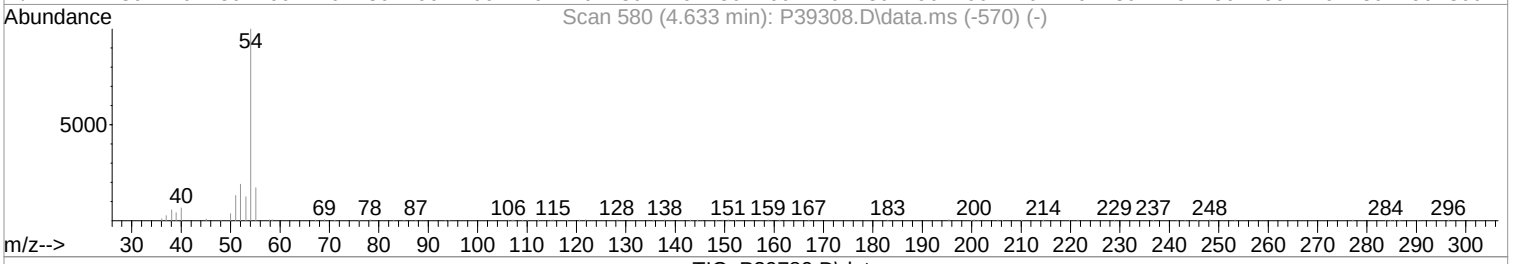
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(36) Propionitrile

4.664min (+0.030) 160.94 ppb

response 119873

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	16.55
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

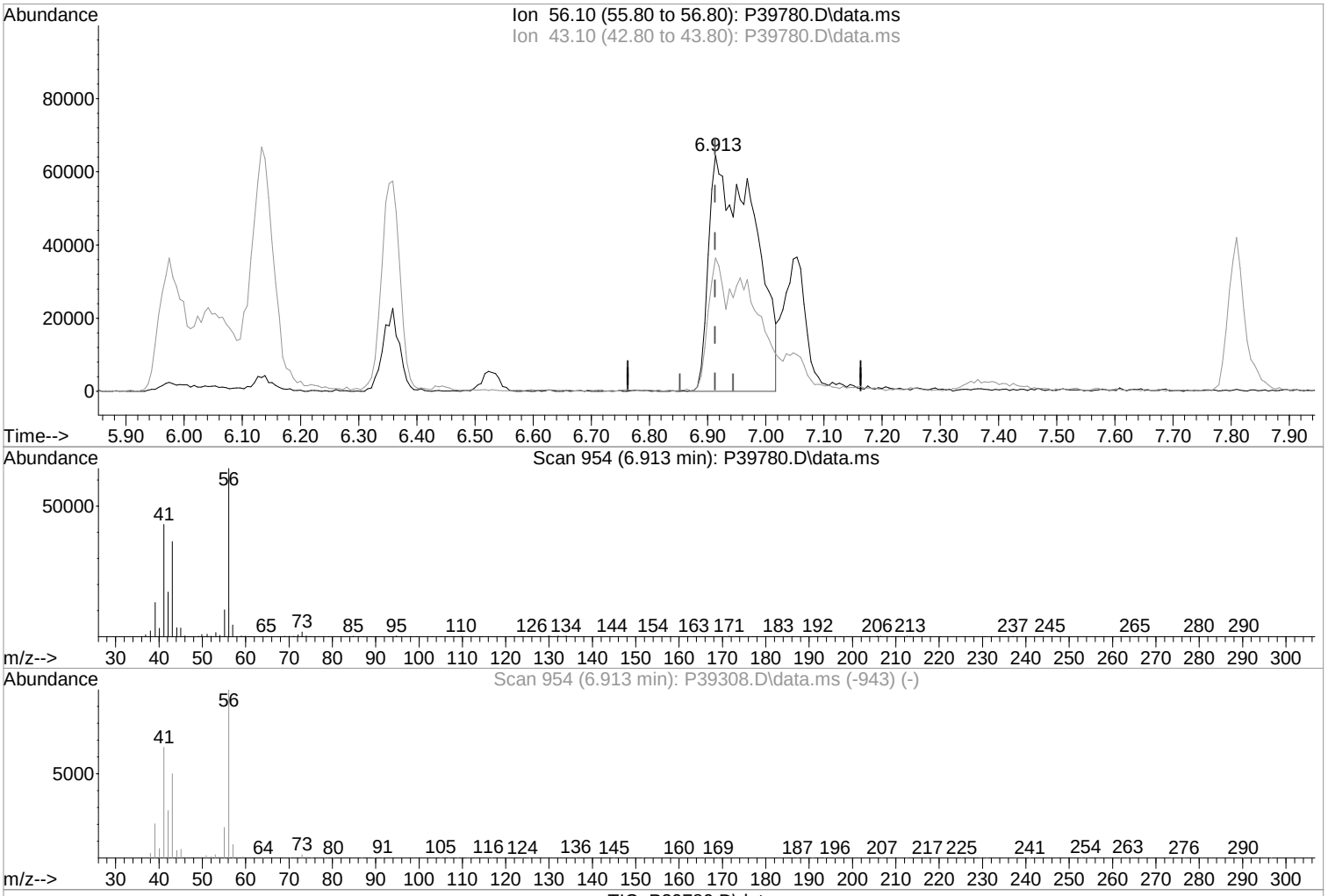
09/22/20

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

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(53) 1-Butanol

6.913min (+0.000) 2360.52 ppb m

response 347142

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	20.01#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

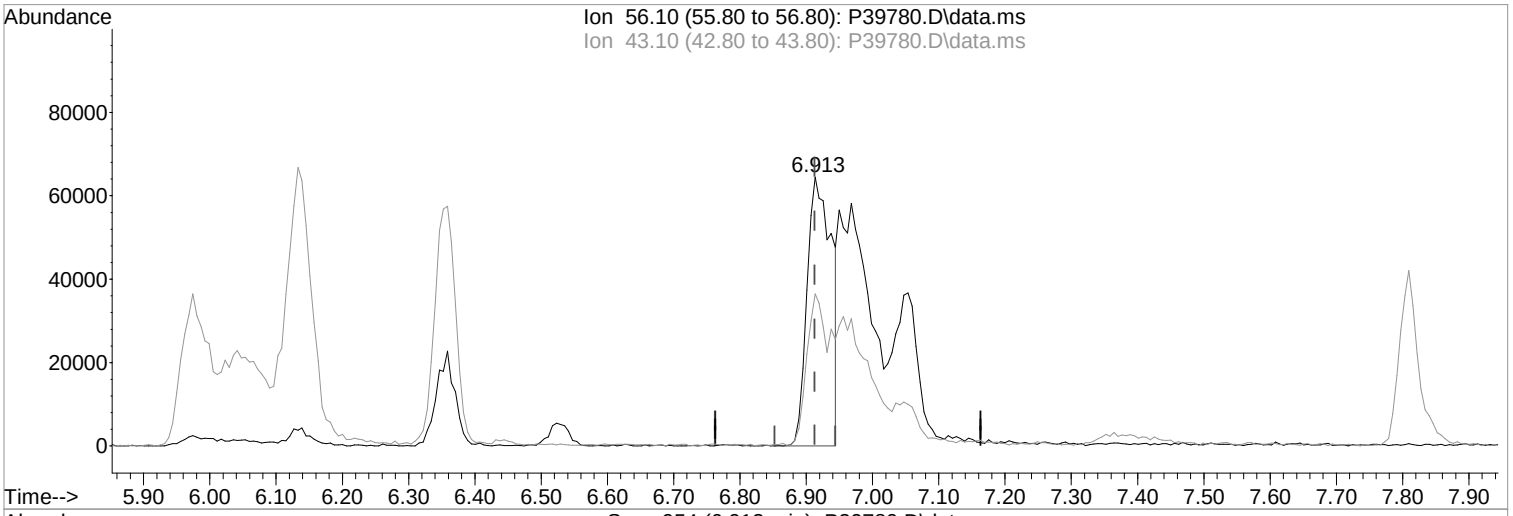
09/22/20

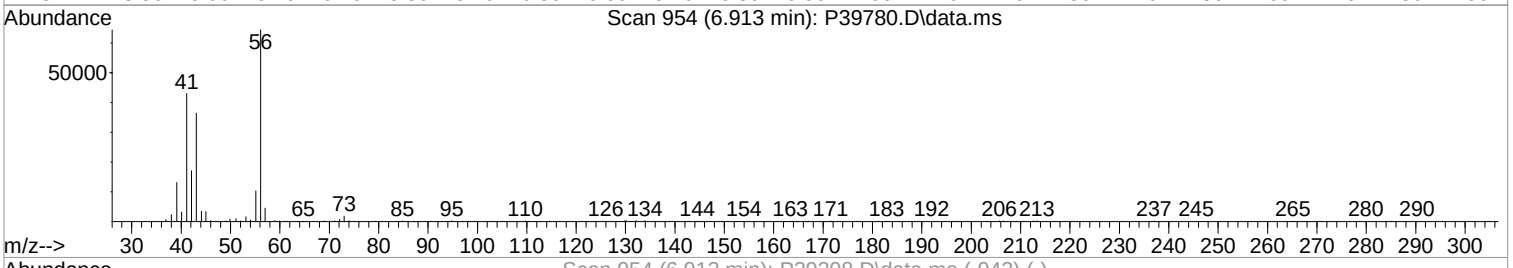
1st 09/22/20
2nd 09/22/20

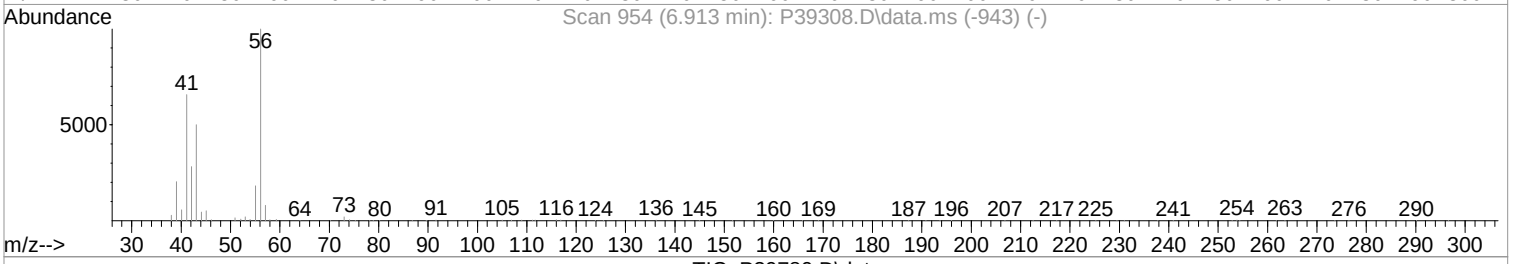
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 18 10:46:59 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: P39780.D\data.ms

(53) 1-Butanol

6.913min (+0.000) 1198.73 ppb

response 164784

Ion	Exp%	Act%
56.10	100	100
43.10	54.10	42.16
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 : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 22 14:45:11 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	293753	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	486940	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	443347	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	237380	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.328	113	132606	46.39	ppb		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.78%				
48) surr1,1,2-dichloroetha...	5.853	65	179375	47.01	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 94.02%				
65) SURR3,Toluene-d8	8.315	98	618817	47.63	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.26%				
70) SURR2,BFB	10.870	95	241716	47.97	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.94%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	162497	41.90	ppb		97
3) Chloromethane	1.329	50	196021	48.82	ppb		96
4) Vinyl Chloride	1.402	62	254882	52.37	ppb		98
5) Bromomethane	1.646	94	194547	47.17	ppb		96
6) Chloroethane	1.719	64	343374	96.26	ppb		100
7) Freon 21	1.865	67	253905	46.27	ppb		100
8) Trichlorofluoromethane	1.908	101	220520	47.87	ppb		96
9) Diethyl Ether	2.146	59	126332	47.01	ppb		99
10) Freon 123a	2.158	67	134943	42.54	ppb		93
11) Freon 123	2.213	83	158018	42.91	ppb		94
13) 1,1-Diclethene	2.335	96	115619	53.40	ppb	#	86
14) Freon 113	2.335	101	120685	49.42	ppb		88
15) Acetone	2.408	43	66119	46.76	ppb		92
16) 2-Propanol	2.554	45	333575m	948.75	ppb		
17) Iodomethane	2.475	142	147773	43.98	ppb		93
18) Carbon Disulfide	2.530	76	331240	44.46	ppb		100
19) Acetonitrile	2.676	40	24855m	219.94	ppb		
20) Allyl Chloride	2.676	76	55967	39.15	ppb		92
21) Methyl Acetate	2.713	43	118273	40.64	ppb		96
22) Methylene Chloride	2.798	84	141425	48.95	ppb		96
23) TBA	2.969	59	611381m	929.51	ppb		
24) Acrylonitrile	3.085	53	239403m	152.78	ppb		
25) Methyl-t-Butyl Ether	3.097	73	500044	50.36	ppb		98
26) trans-1,2-Dichloroethene	3.085	96	121218	48.25	ppb		92
28) 1,1-Diclethane	3.603	63	423444	88.17	ppb		99
29) Vinyl Acetate	3.694	86	25275	40.99	ppb	#	75
30) DIPE	3.707	45	430194	51.71	ppb		91
31) 2-Chloro-1,3-Butadiene	3.713	53	122261	26.82	ppb		98
32) ETBE	4.243	59	425646	49.96	ppb		98
33) 2,2-Dichloropropane	4.438	77	134035	30.73	ppb		96
34) cis-1,2-Dichloroethene	4.450	96	206256	67.93	ppb		98
35) 2-Butanone	4.536	43	77507	40.52	ppb		96
36) Propionitrile	4.664	54	175180m	235.19	ppb		
37) Bromochloromethane	4.859	130	89248	45.56	ppb		86
38) Methacrylonitrile	4.895	67	60924	34.17	ppb		91
39) Tetrahydrofuran	4.962	42	54368	39.80	ppb		99
40) Chloroform	5.036	83	242516	48.05	ppb		94
41) 1,1,1-Trichloroethane	5.304	97	231355	50.82	ppb		96
42) TAME	6.133	73	462439	50.83	ppb		96

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

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 22 14:45:11 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Cyclohexane	5.365	41	134896	46.54	ppb		99
46) Carbontetrachloride	5.566	117	159841	41.99	ppb		96
47) 1,1-Dichloropropene	5.590	75	190450	45.82	ppb		95
49) Benzene	5.907	78	603949	46.81	ppb		99
50) 1,2-Dichloroethane	5.968	62	198859	43.03	ppb		98
51) Iso-Butyl Alcohol	5.974	43	194527	943.96	ppb		90
52) n-Heptane	6.358	43	127023	34.29	ppb		89
53) 1-Butanol	6.913	56	347142m	2360.52	ppb		
54) Trichloroethene	6.840	130	213387	58.70	ppb		87
55) Methylcyclohexane	7.053	55	195004	48.79	ppb		91
56) 1,2-Diclpropane	7.133	63	147943	45.19	ppb		95
57) Dibromomethane	7.279	93	91510	40.99	ppb		89
58) 1,4-Dioxane	7.389	88	58489	748.47	ppb		100
59) Methyl Methacrylate	7.364	69	3485	1.08	ppb		87
60) Bromodichloromethane	7.499	83	165354	38.33	ppb		97
63) cis-1,3-Dichloropropene	8.035	75	198049	38.12	ppb		99
64) 4-Methyl-2-pentanone	8.248	43	197862	45.52	ppb		95
66) Toluene	8.389	91	689773	46.77	ppb		99
67) trans-1,3-Dichloropropene	8.675	75	180383	36.07	ppb		95
68) Ethyl Methacrylate	8.803	69	3690	0.66	ppb	#	64
69) 1,1,2-Trichloroethane	8.858	97	145938	45.33	ppb		96
72) Tetrachloroethene	8.968	164	111145	40.87	ppb		91
73) 2-Hexanone	9.151	43	147548	45.30	ppb		94
74) 1,3-Dichloropropane	9.029	76	255199	44.89	ppb		99
75) Dibromochloromethane	9.248	129	119684	39.46	ppb		99
76) N-Butyl Acetate	9.291	43	249337	37.44	ppb		96
77) 1,2-Dibromoethane	9.346	107	146874	43.04	ppb		89
78) Chlorobenzene	9.827	112	435141	46.57	ppb		92
79) 3-CBTF	9.840	180	197736	38.81	ppb		100
80) 4-CBTF	9.894	180	172653	38.53	ppb		98
81) 1,1,1,2-Tetrachloroethane	9.913	131	134053	41.84	ppb		98
82) Ethylbenzene	9.937	106	242385	47.07	ppb		96
83) (m+p)Xylene	10.053	106	592603	95.50	ppb		98
84) o-Xylene	10.406	106	292906	47.04	ppb		99
85) Styrene	10.406	104	25966	2.47	ppb	#	1
87) Bromoform	10.583	173	70244	33.80	ppb		99
88) 2-CBTF	10.656	180	201775	41.11	ppb		96
89) Isopropylbenzene	10.736	105	748903	47.84	ppb		100
90) Cyclohexanone	10.833	55	192540	221.98	ppb		97
91) trans-1,4-Dichloro-2-B...	11.059	53	33650	25.68	ppb		85
92) 1,1,2,2-Tetrachloroethane	11.016	83	225569	50.78	ppb		98
93) Bromobenzene	10.992	156	170969	40.63	ppb		91
94) 1,2,3-Trichloropropane	11.041	110	70812	42.05	ppb		98
95) n-Propylbenzene	11.089	91	905167	50.61	ppb		99
96) 2-Chlorotoluene	11.156	91	540814	46.30	ppb		96
97) 3-Chlorotoluene	11.211	91	528114	45.86	ppb		98
98) 4-Chlorotoluene	11.254	91	617592	46.54	ppb		99
99) 1,3,5-Trimethylbenzene	11.242	105	626019	45.89	ppb		98
100) tert-Butylbenzene	11.510	119	555108	47.89	ppb		98
101) 1,2,4-Trimethylbenzene	11.553	105	617463	45.49	ppb		99
102) 3,4-DCBTF	11.614	214	139447	34.89	ppb		96
103) sec-Butylbenzene	11.693	105	828370	50.19	ppb		98
104) p-Isopropyltoluene	11.815	119	667697	46.85	ppb		99
105) 1,3-Dclbenz	11.778	146	353331	44.44	ppb		97
106) 1,4-Dclbenz	11.857	146	354459	42.27	ppb		98
107) 2,4-DCBTF	11.906	214	133608	37.48	ppb		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 22 14:45:11 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

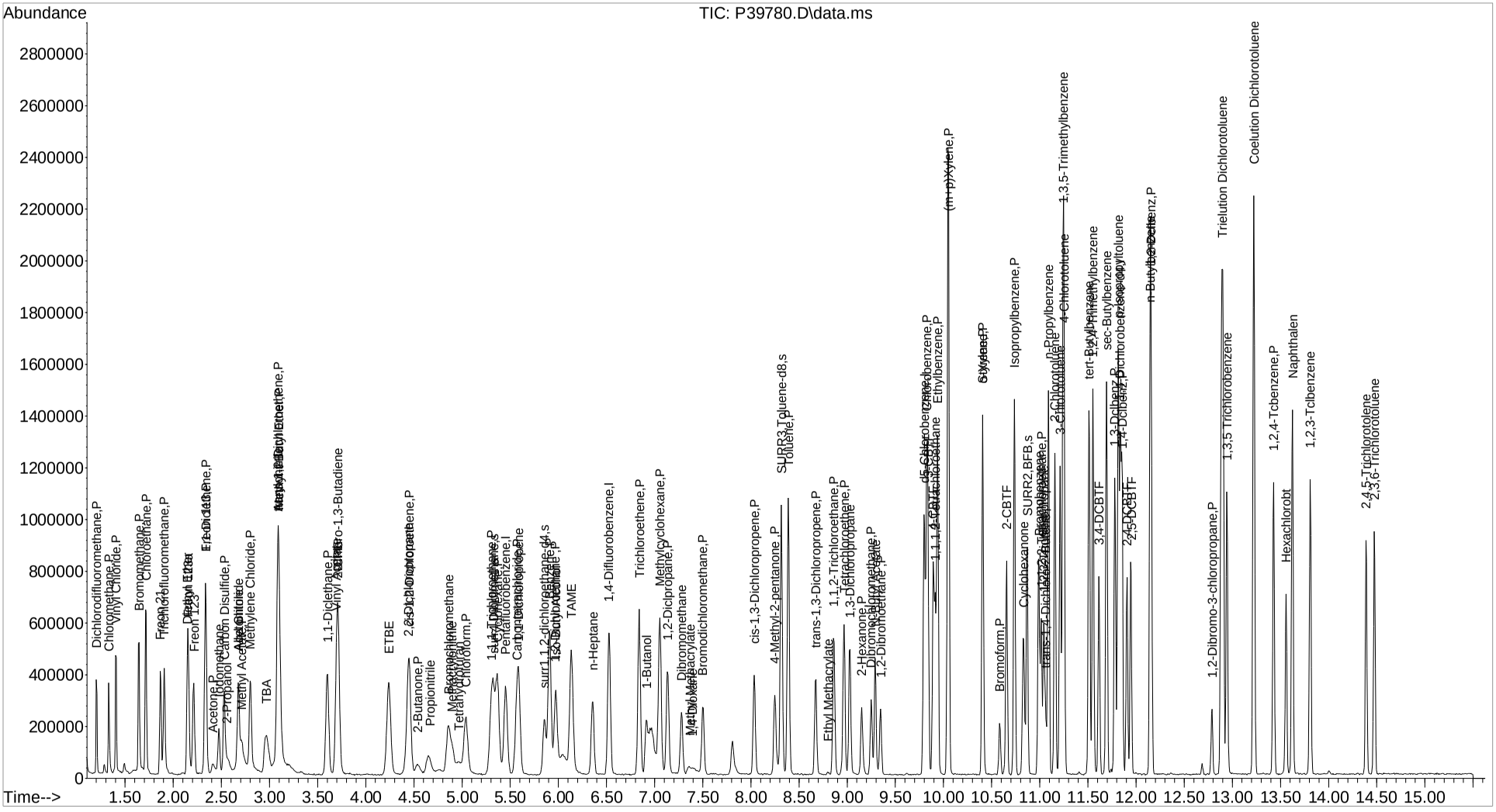
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) 2,5-DCBTF	11.949	214	150003	36.47	ppb	98
109) n-Butylbenzene	12.144	91	631181	49.23	ppb	99
110) 1,2-Dclbenz	12.156	146	350681	42.76	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.790	157	47610	37.03	ppb	92
112) Trielution Dichlorotol...	12.894	125	972610	132.41	ppb	98
113) 1,3,5 Trichlorobenzene	12.943	180	242666	39.89	ppb	98
114) Coelution Dichlorotoluene	13.223	125	712623	89.63	ppb	98
115) 1,2,4-Tcbenzene	13.430	180	255051	41.20	ppb	97
116) Hexachlorobt	13.558	225	88871	36.32	ppb	92
117) Naphthalen	13.625	128	837919	44.13	ppb	99
118) 1,2,3-Tclbenzene	13.808	180	251677	40.26	ppb	99
119) 2,4,5-Trichlorotolene	14.387	159	182164	40.30	ppb	94
120) 2,3,6-Trichlorotoluene	14.473	159	180445m	44.30	ppb	

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39780.D
Acq On : 18 Sep 2020 6:48 am
Operator : K.Ruest
Sample : R2008511-008MS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 22 14:45:11 2020
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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

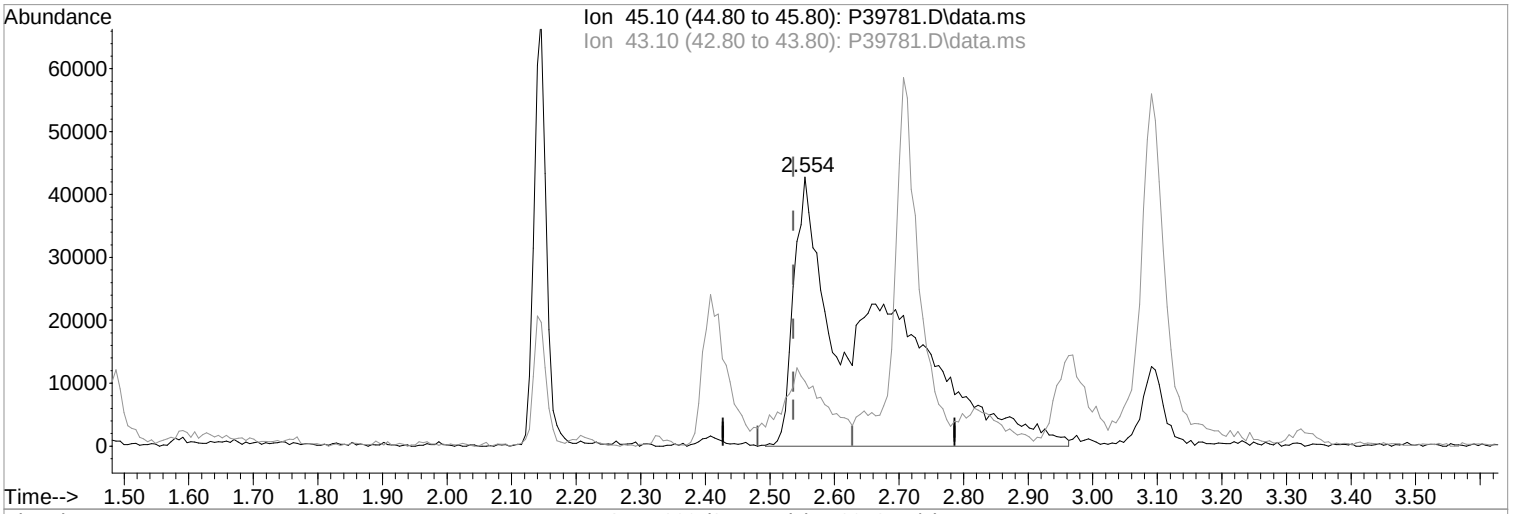


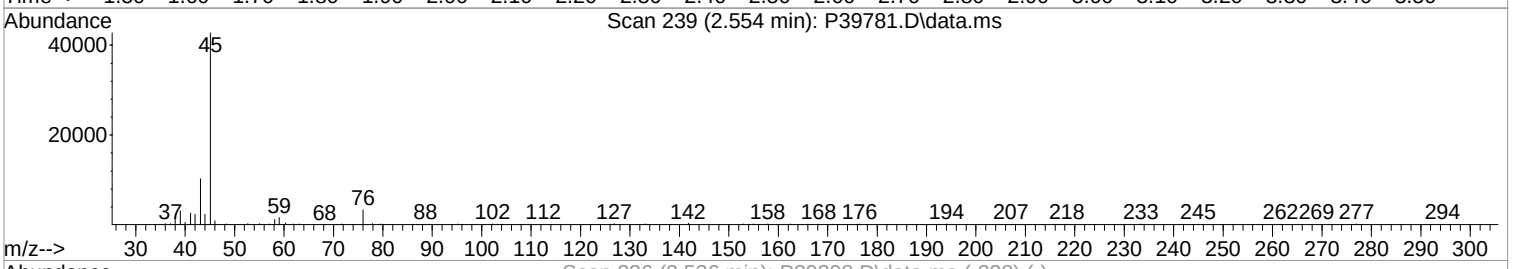
1st 09/22/20
2nd 09/22/20

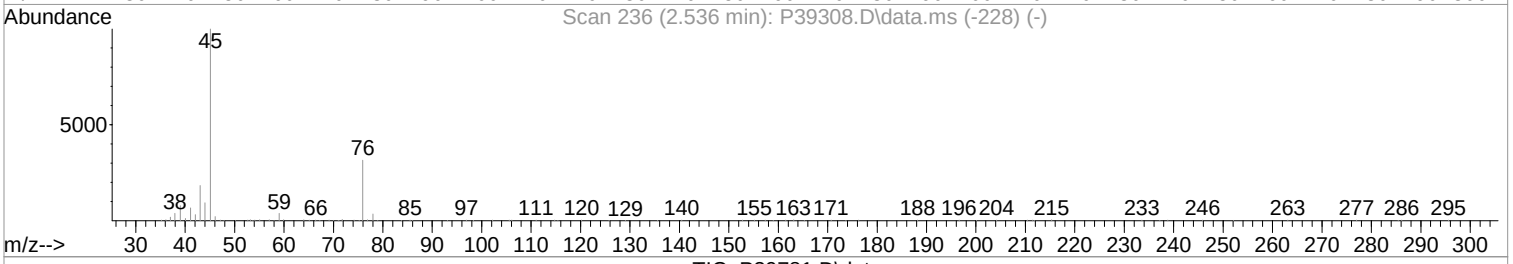
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 984.11 ppb m

response 359105

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	24.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

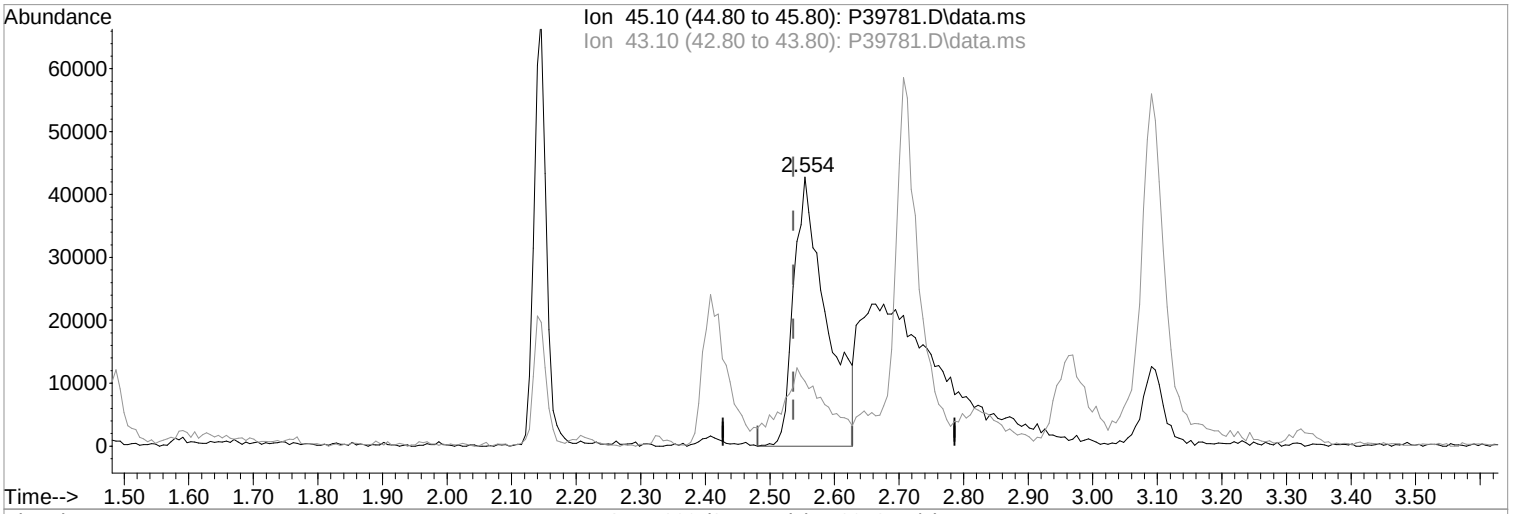
Poor integration.

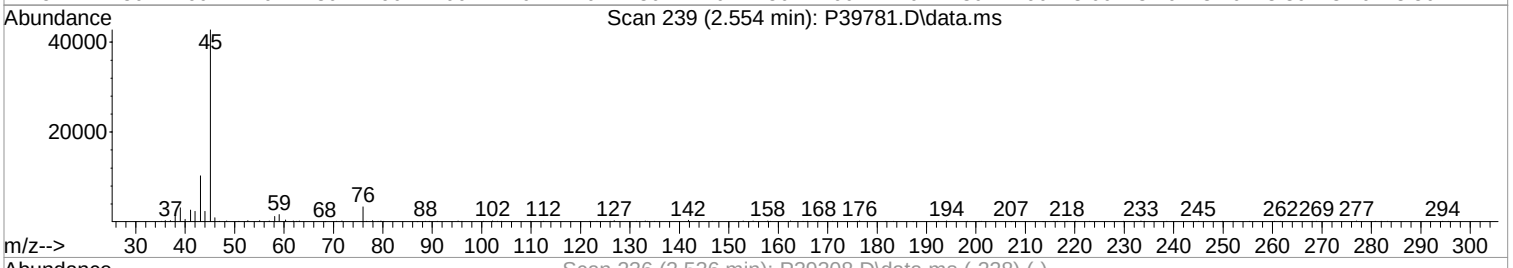
09/22/20

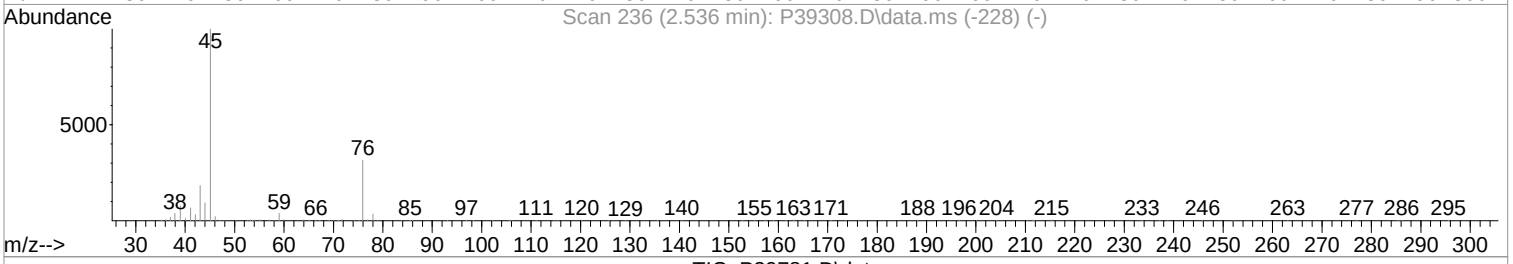
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(16) 2-Propanol

2.554min (+0.018) 408.37 ppb

response 149017

Ion	Exp%	Act%
45.10	100	100
43.10	23.10	24.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

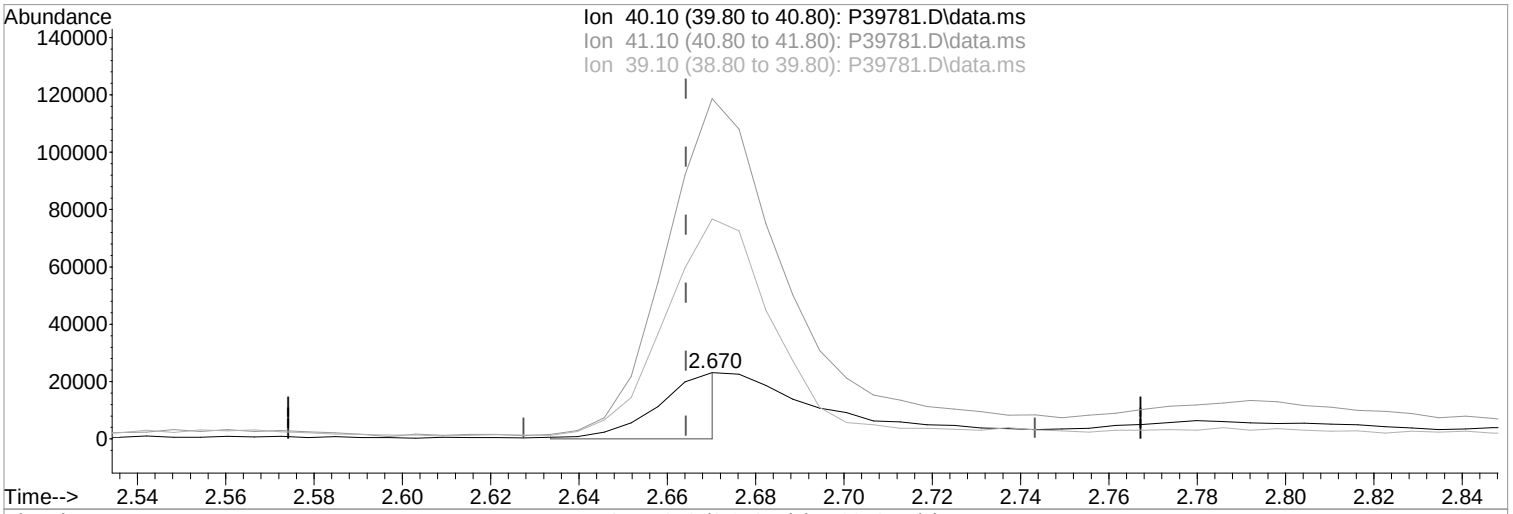
Before

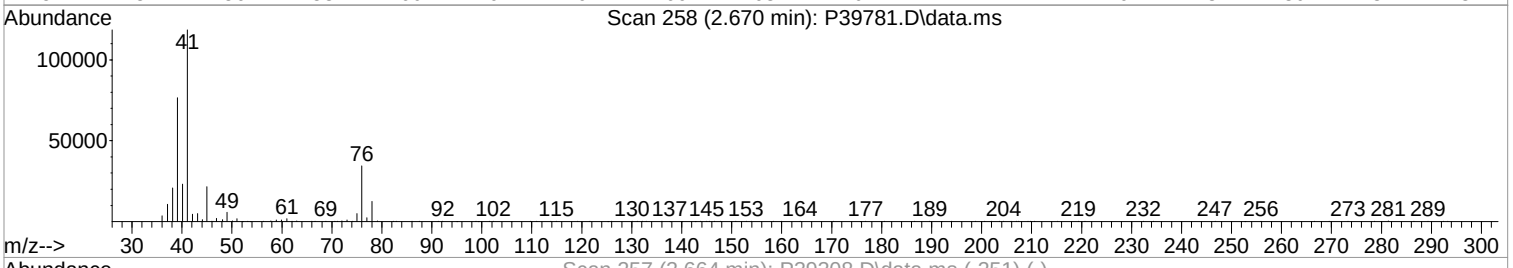
09/22/20

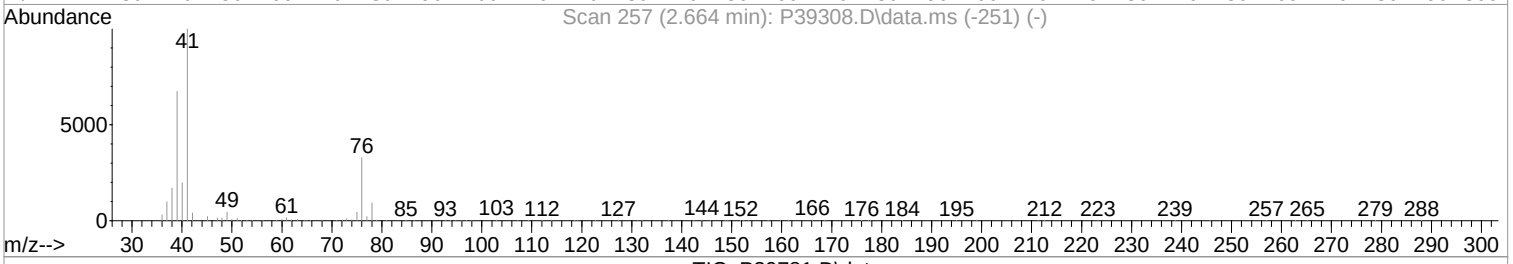
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 196.29 ppb m

response 23022

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	512.94
39.10	343.30	331.48
0.00	0.00	0.00

Manual Integration:

After

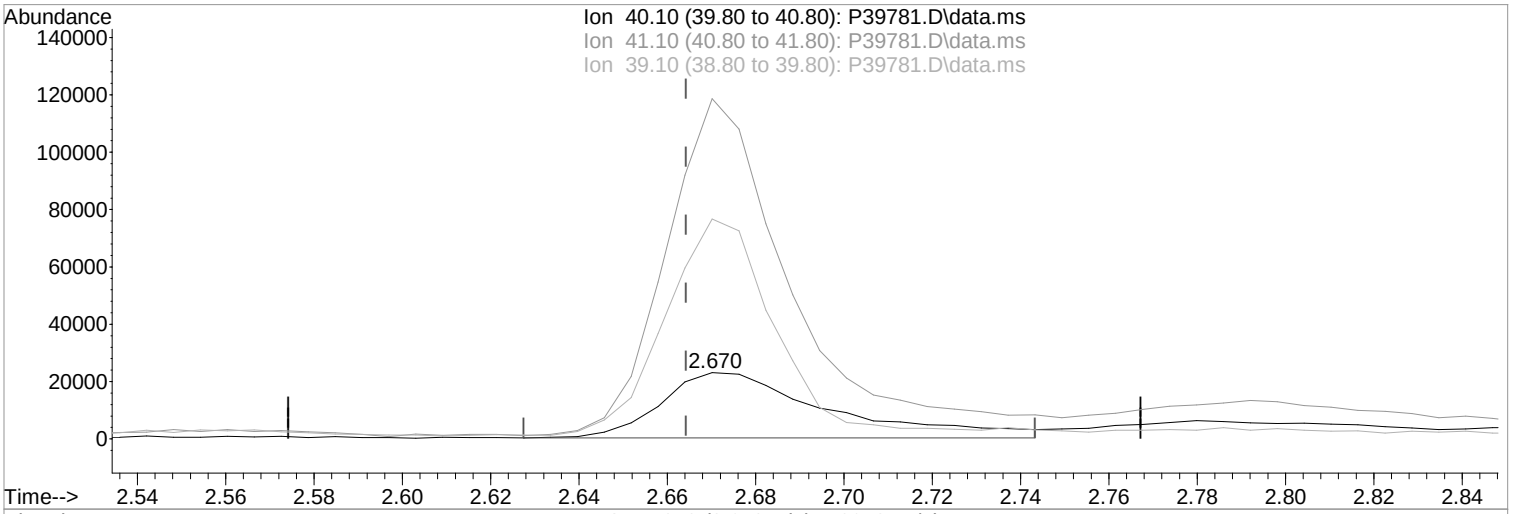
Poor integration.

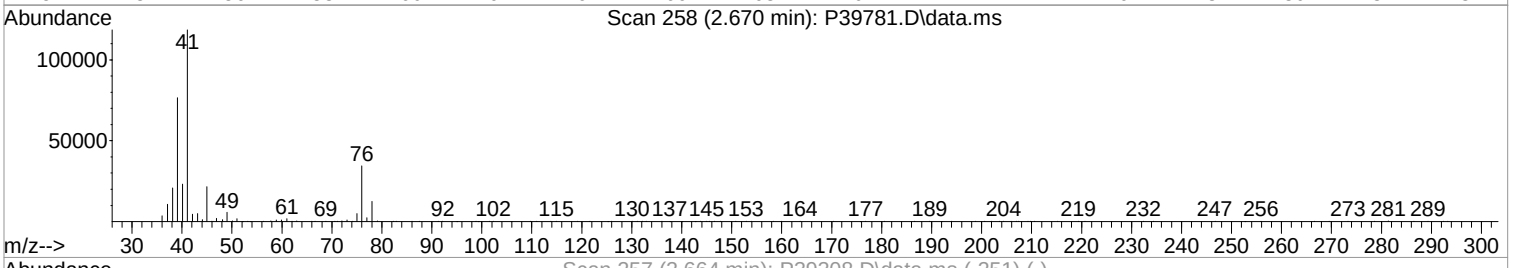
09/22/20

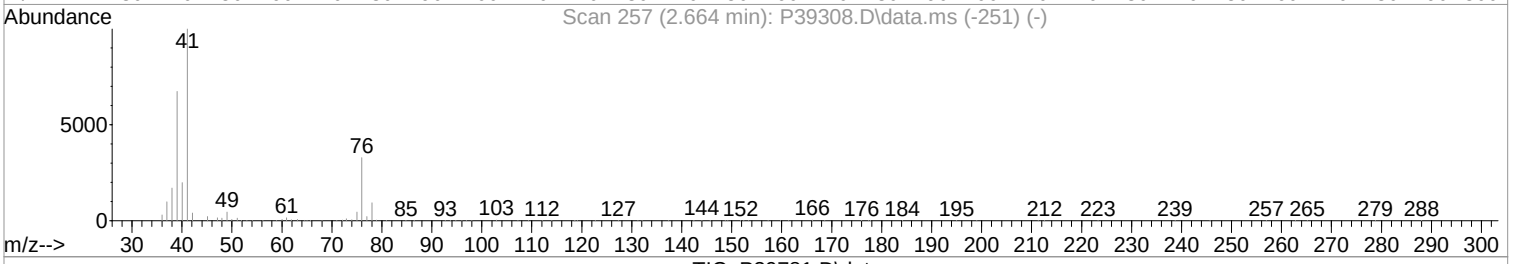
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(19) Acetonitrile

2.670min (+0.006) 509.45 ppb

response 59750

Ion	Exp%	Act%
40.10	100	100
41.10	507.50	512.94
39.10	343.30	331.48
0.00	0.00	0.00

Manual Integration:

Before

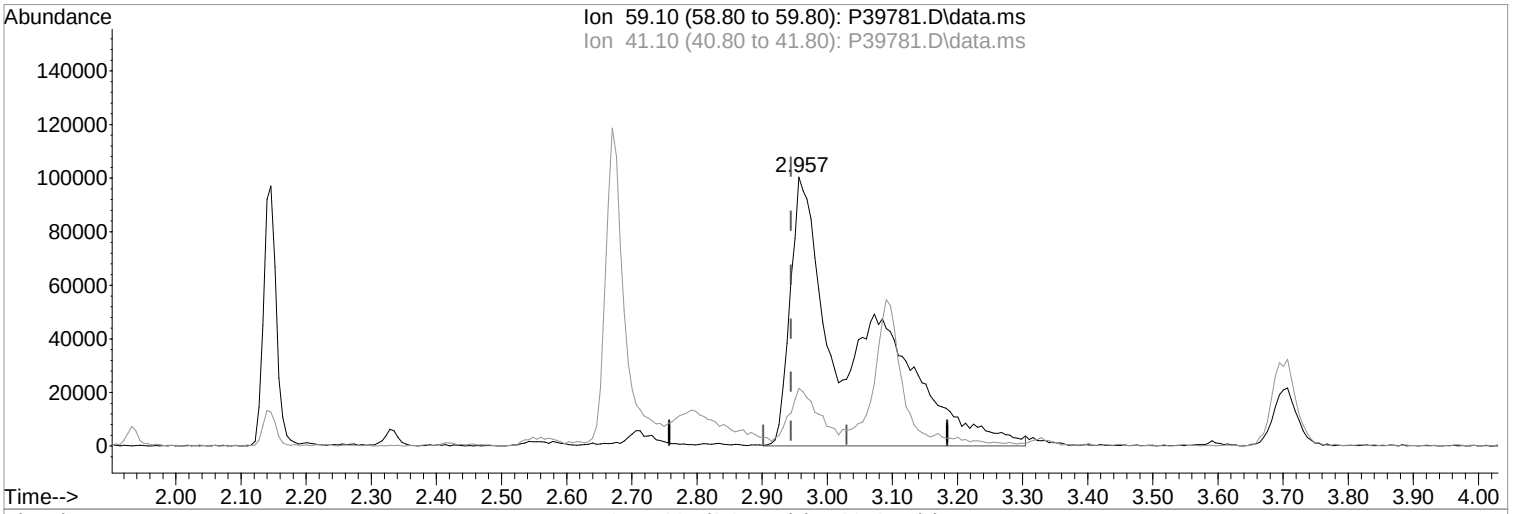
09/22/20

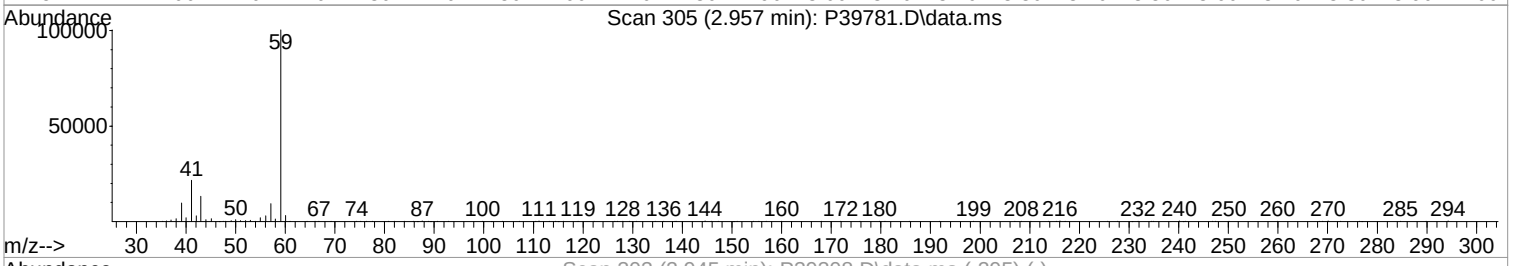
1st 09/22/20
2nd 09/22/20

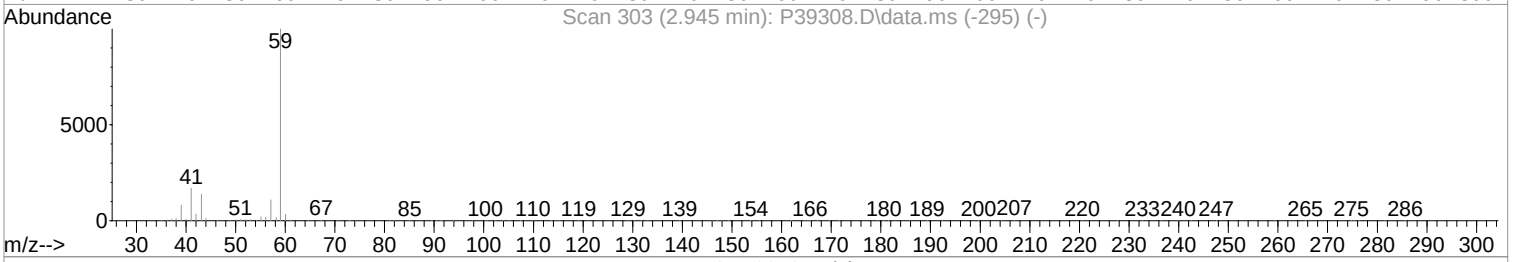
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(23) TBA

2.957min (+0.012) 999.92 ppb m

response 682589

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	21.49
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

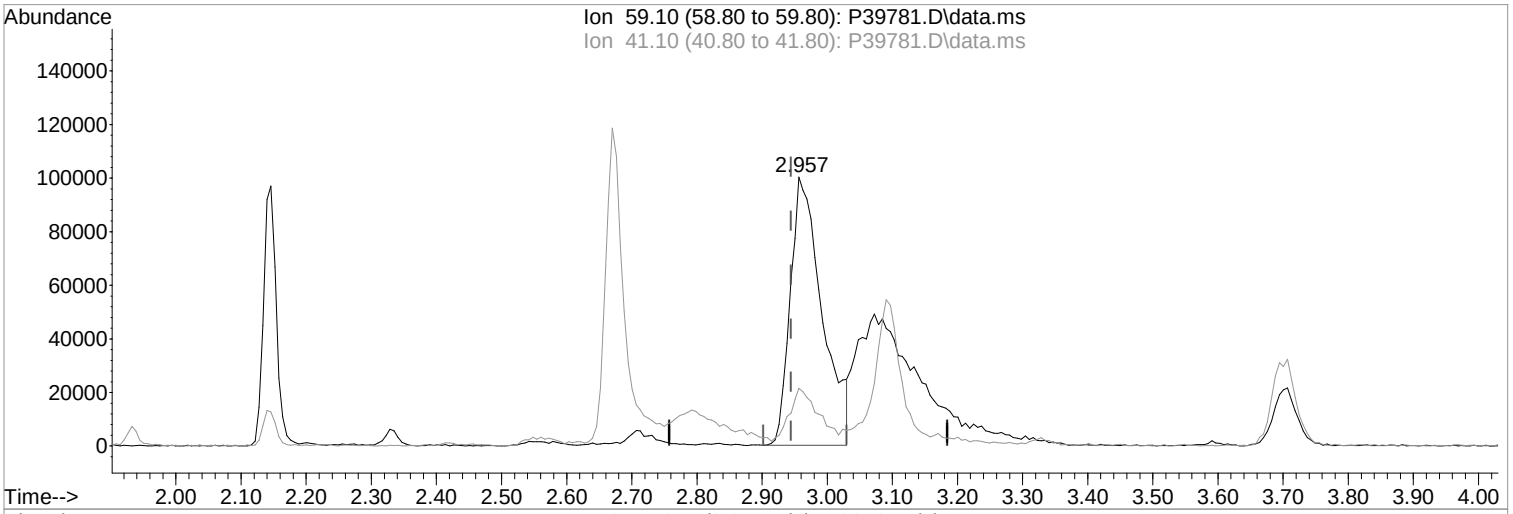
09/22/20

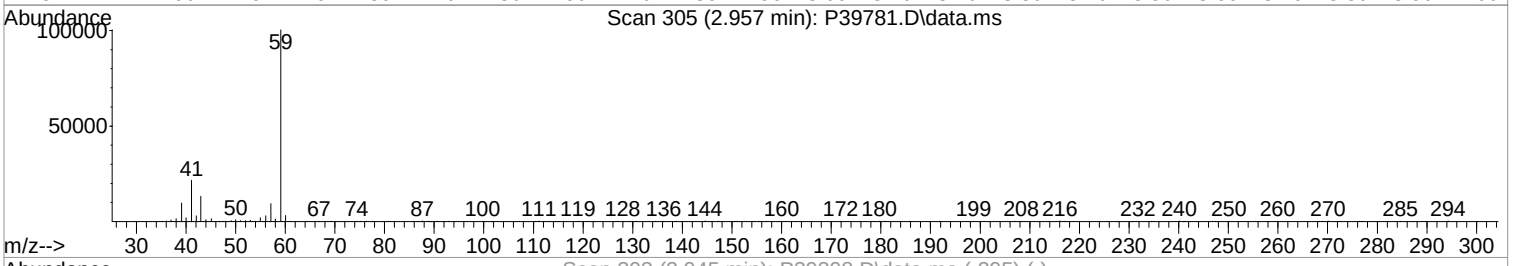
1st 09/22/20
2nd 09/22/20

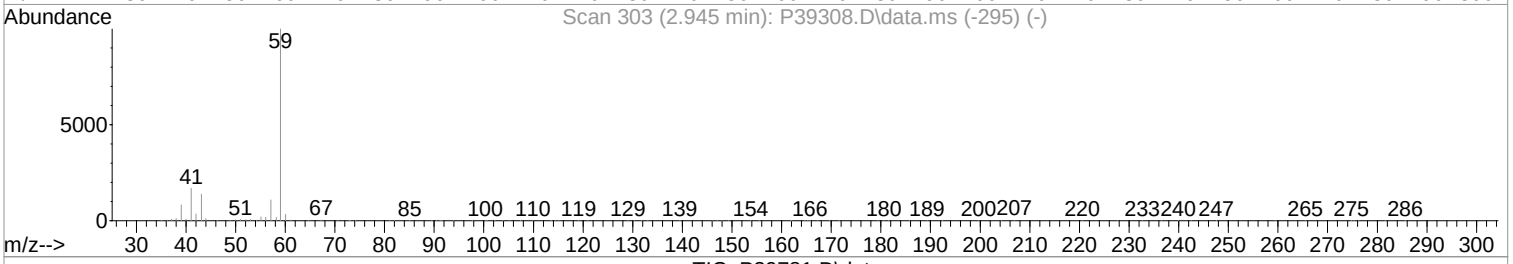
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(23) TBA

2.957min (+0.012) 497.84 ppb

response 339851

Ion	Exp%	Act%
59.10	100	100
41.10	18.50	21.49
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

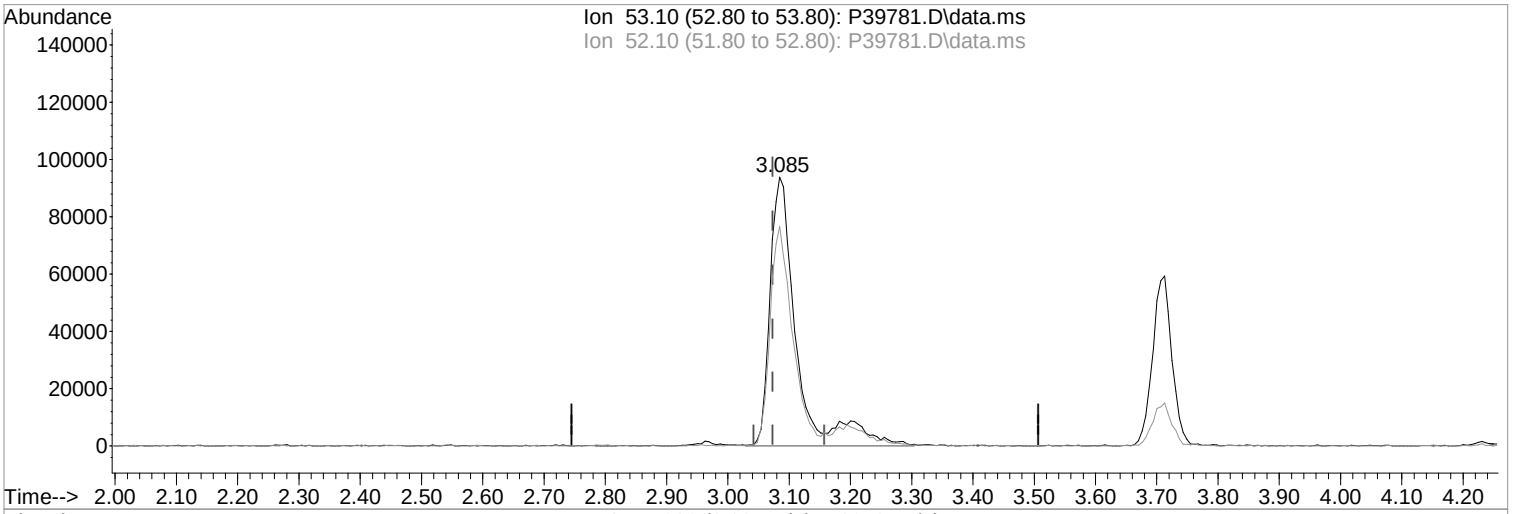
09/22/20

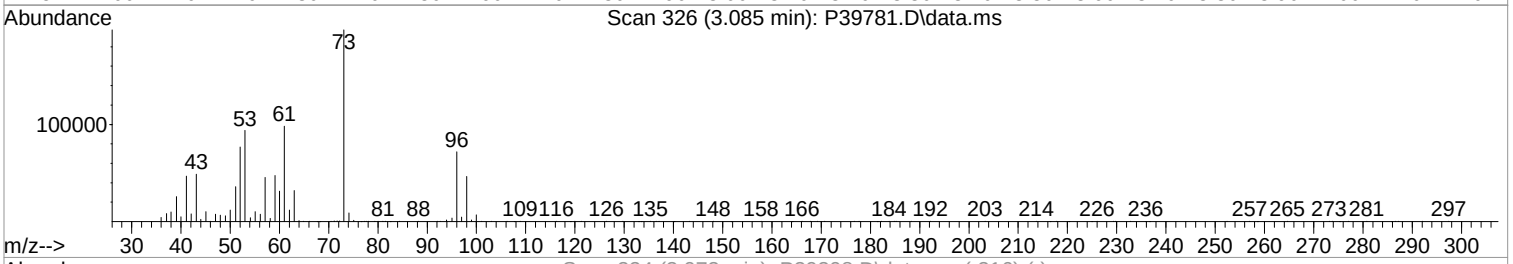
1st 09/22/20
2nd 09/22/20

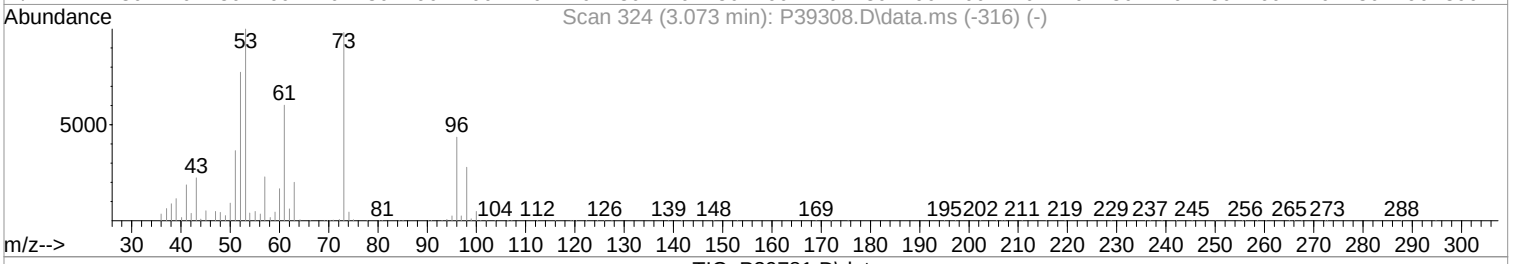
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(24) Acrylonitrile

3.085min (+0.012) 174.93 ppb m

response 284495

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	81.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

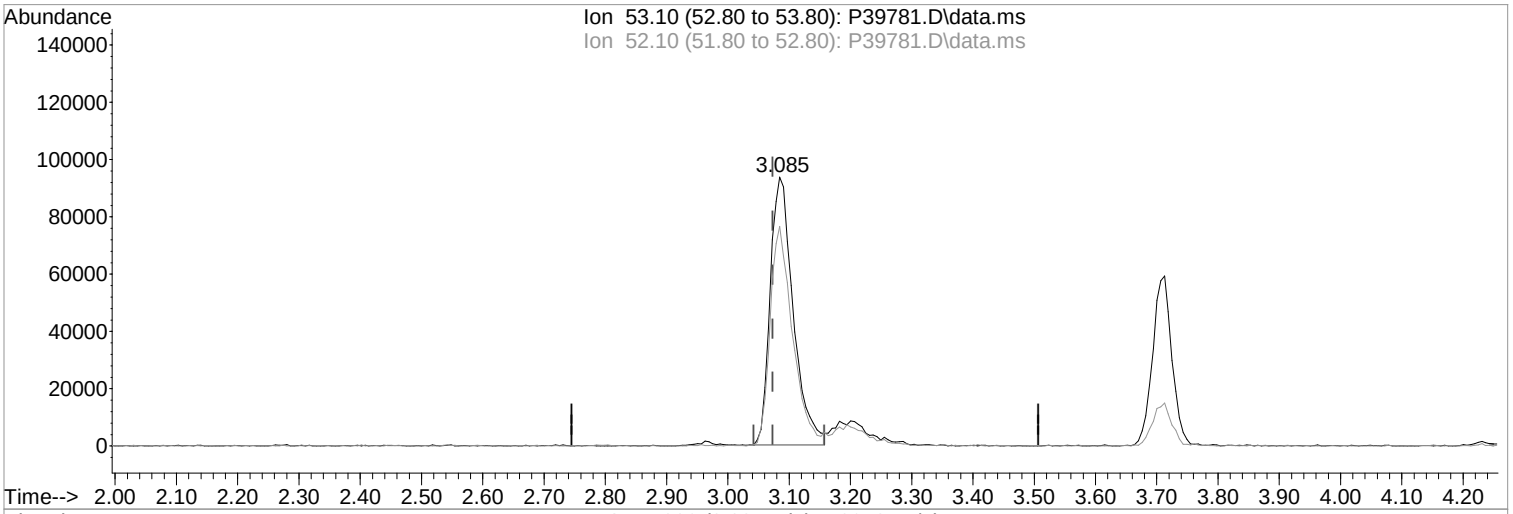
09/22/20

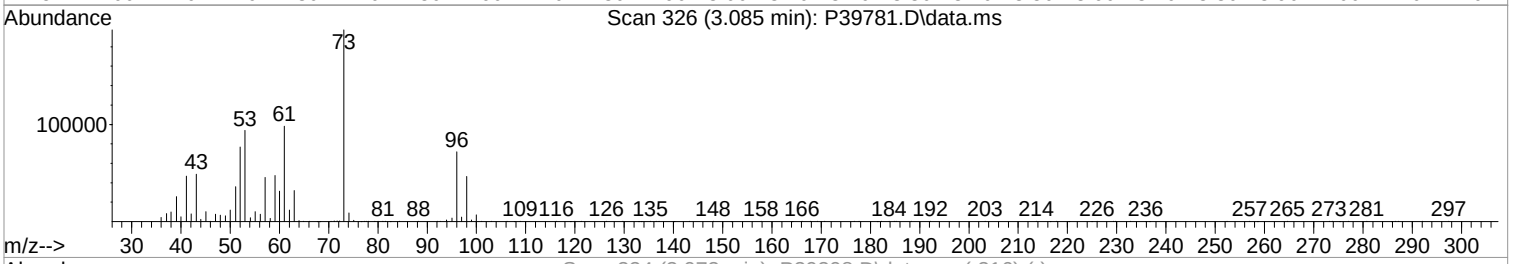
1st 09/22/20
2nd 09/22/20

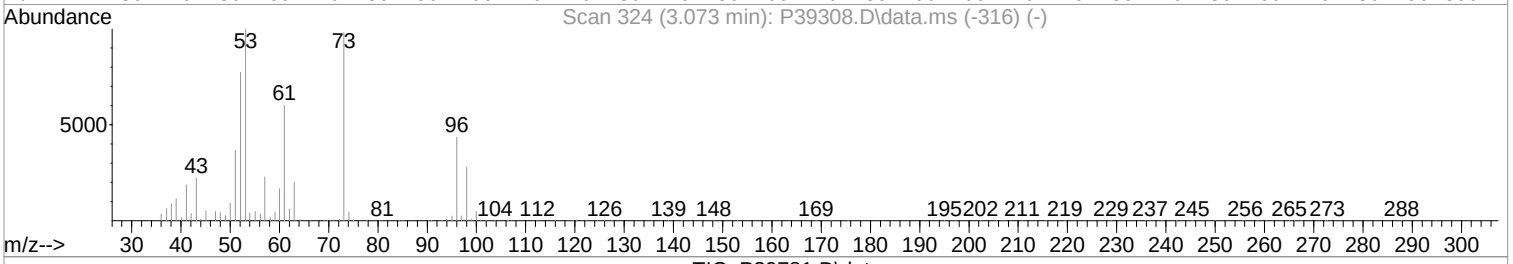
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(24) Acrylonitrile

3.085min (+0.012) 150.02 ppb

response 243982

Ion	Exp%	Act%
53.10	100	100
52.10	77.20	81.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

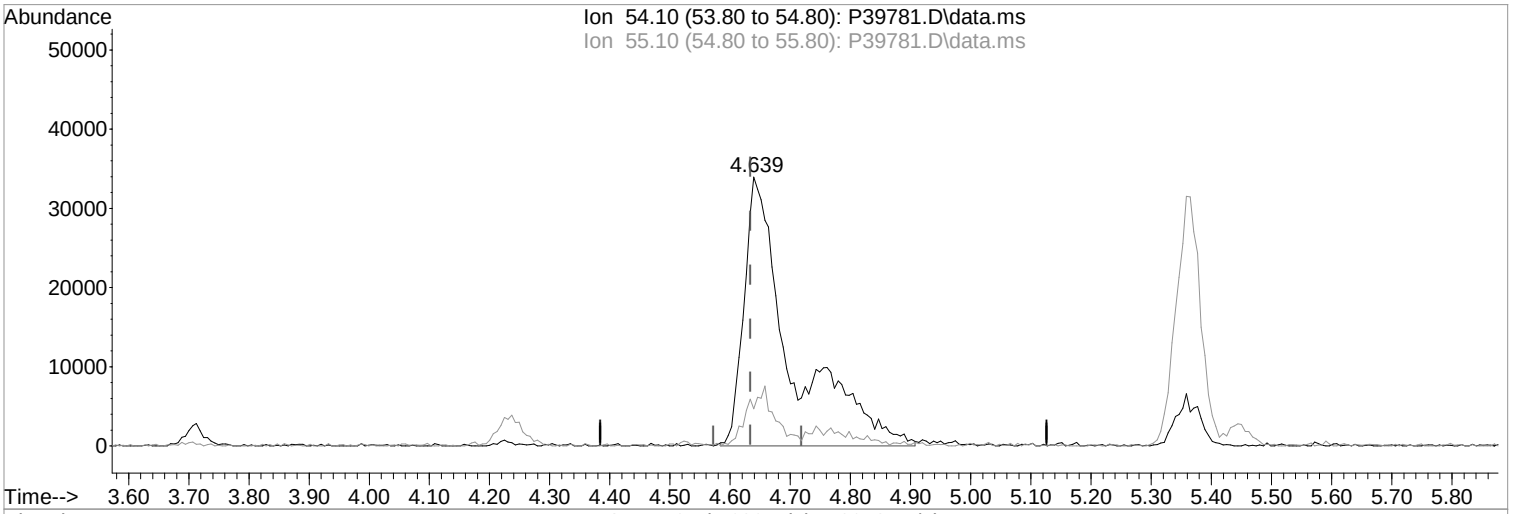
09/22/20

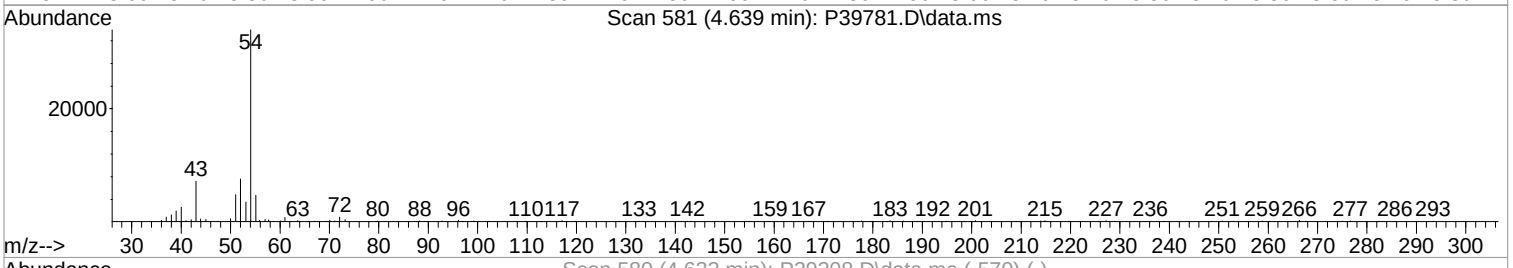
1st 09/22/20
2nd 09/22/20

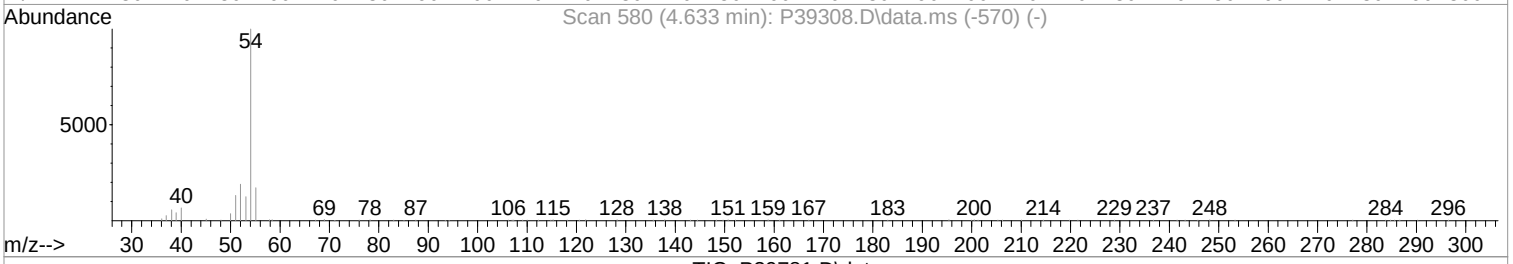
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(36) Propionitrile

4.639min (+0.006) 238.51 ppb m

response 184371

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	13.90
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

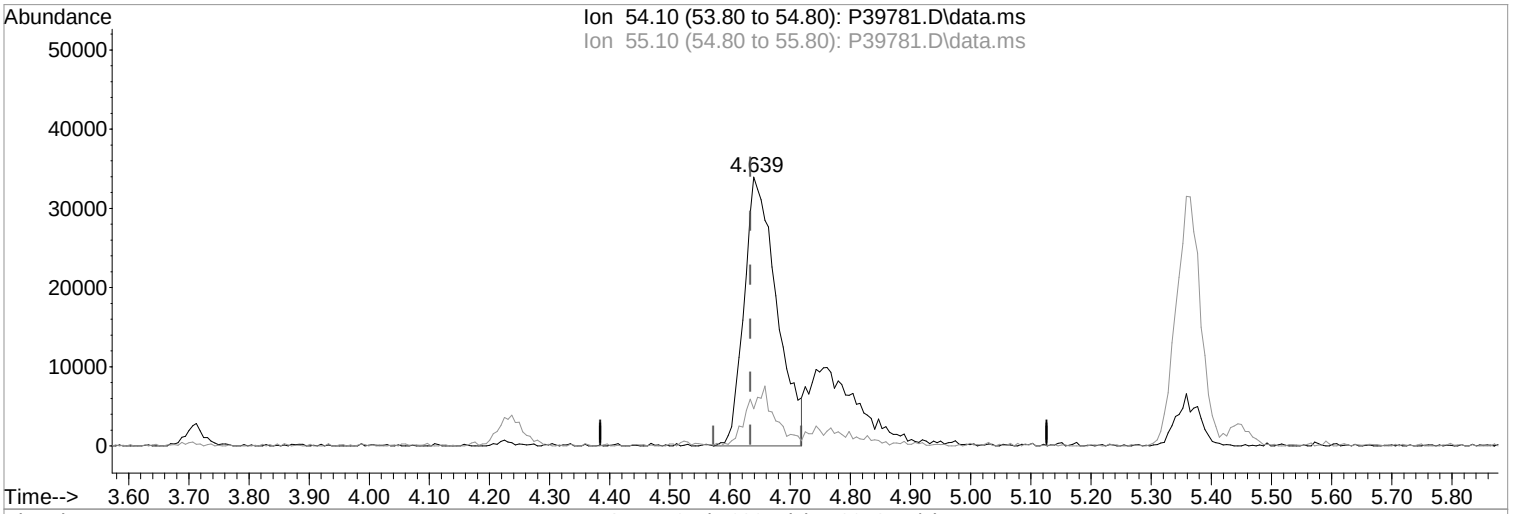
09/22/20

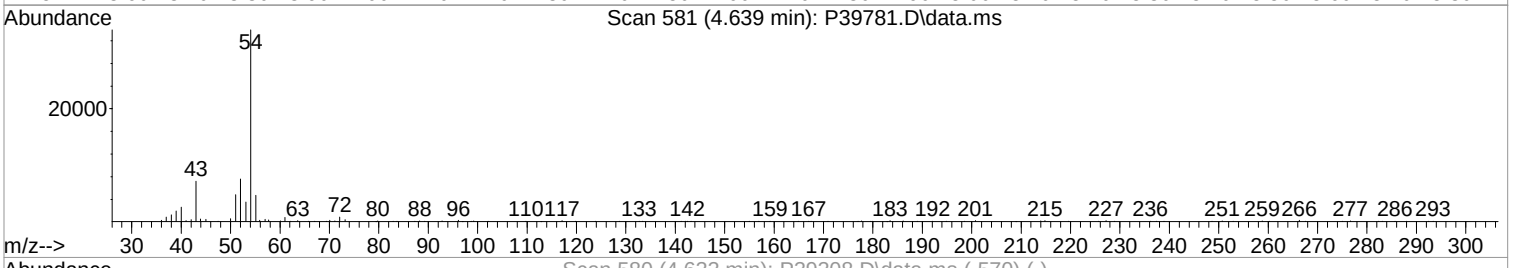
1st 09/22/20
2nd 09/22/20

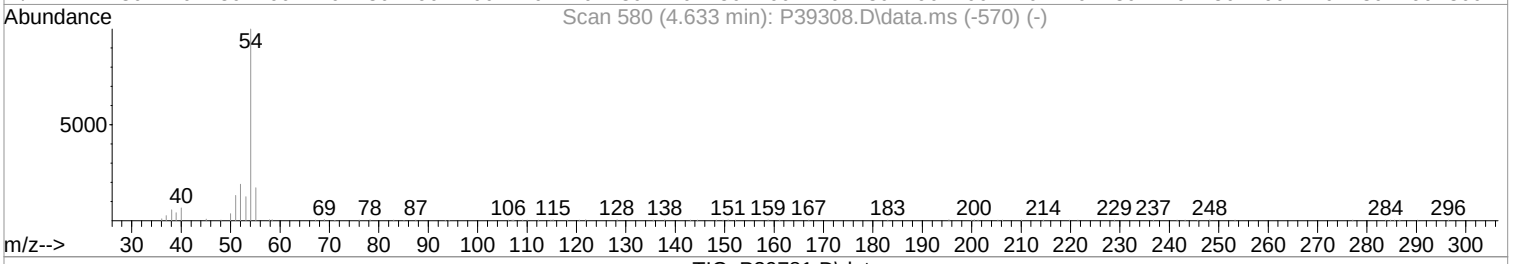
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(36) Propionitrile

4.639min (+0.006) 165.48 ppb

response 127923

Ion	Exp%	Act%
54.10	100	100
55.10	17.50	13.90
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

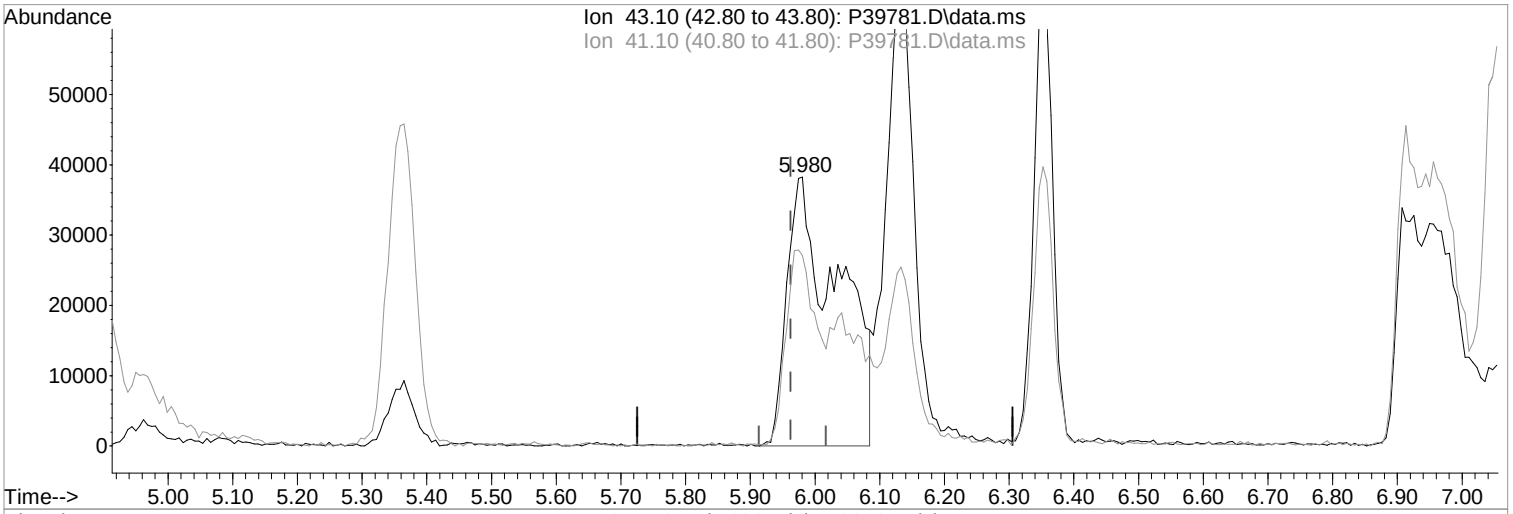
09/22/20

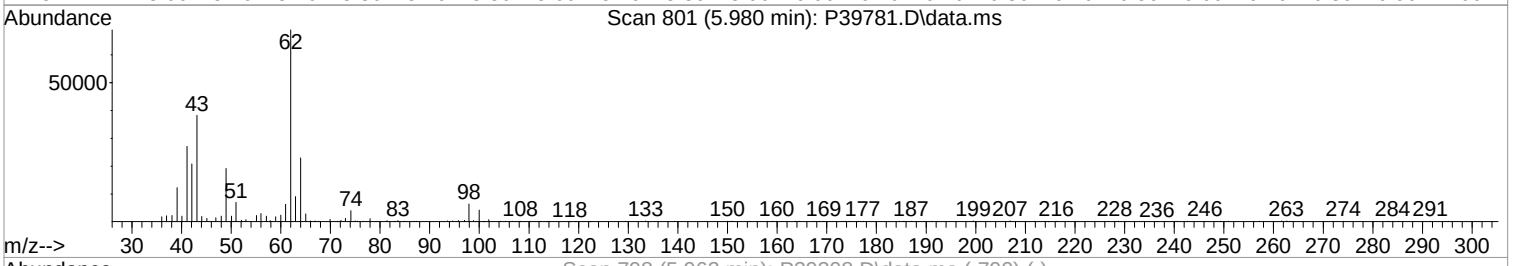
1st 09/22/20
2nd 09/22/20

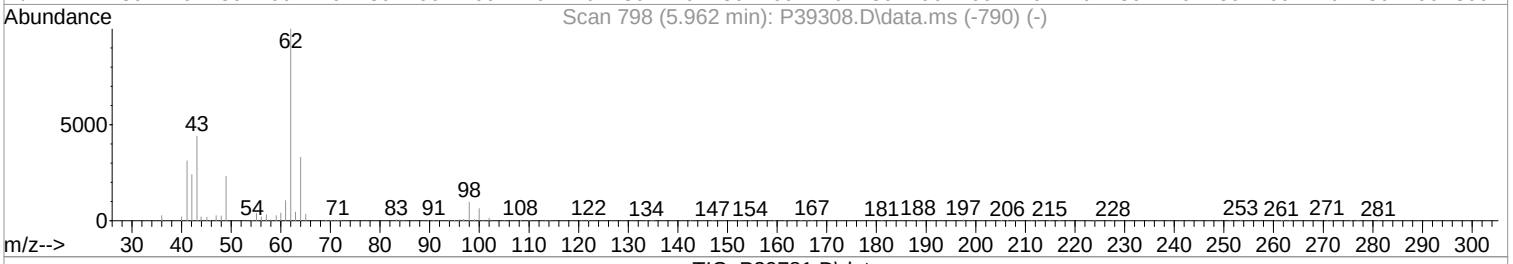
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(51) Iso-Butyl Alcohol

5.980min (+0.018) 1009.20 ppb m

response 211318

Ion	Exp%	Act%
43.10	100	100
41.10	71.60	70.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

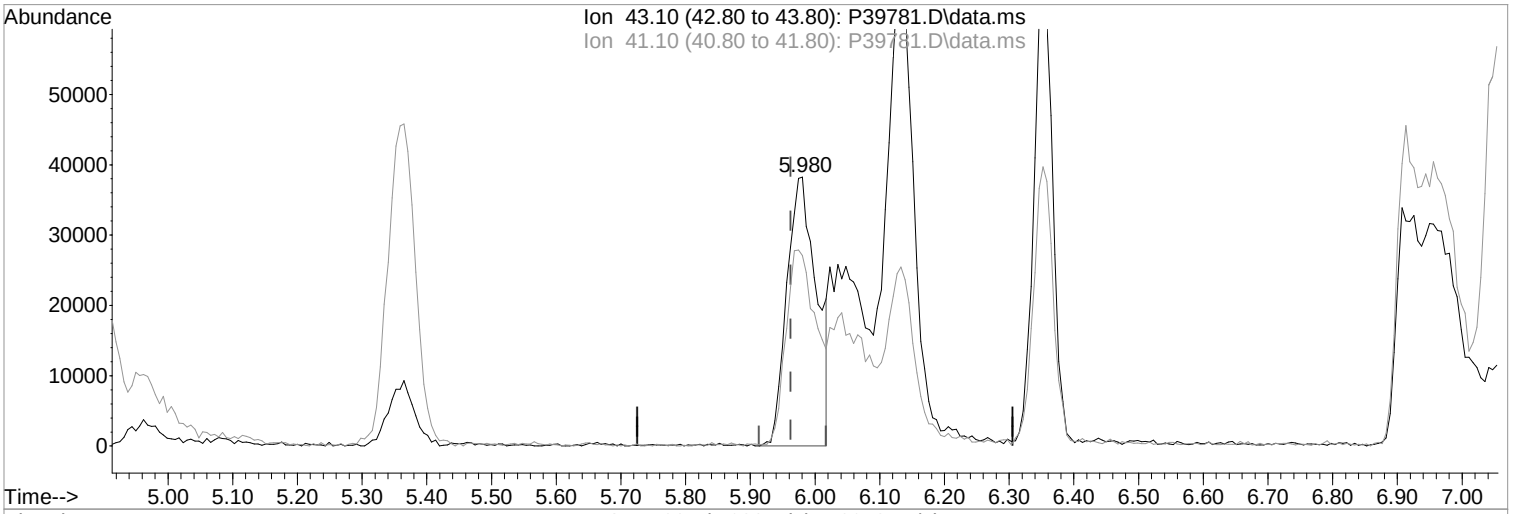
09/22/20

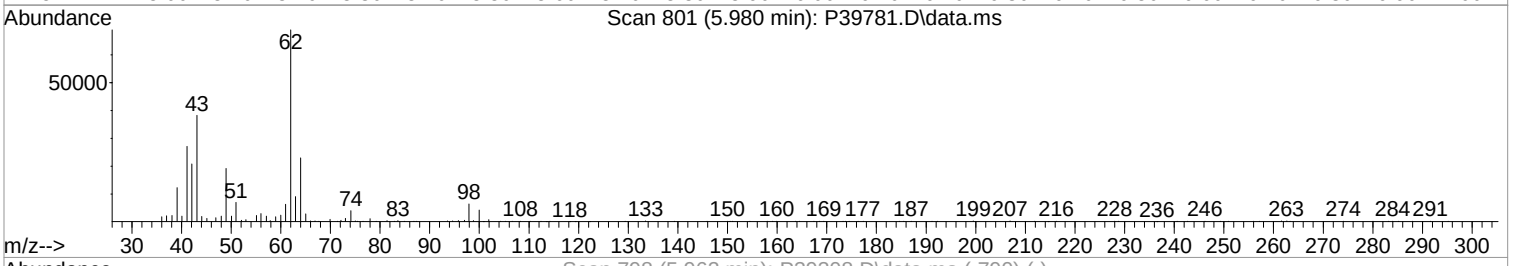
1st 09/22/20
2nd 09/22/20

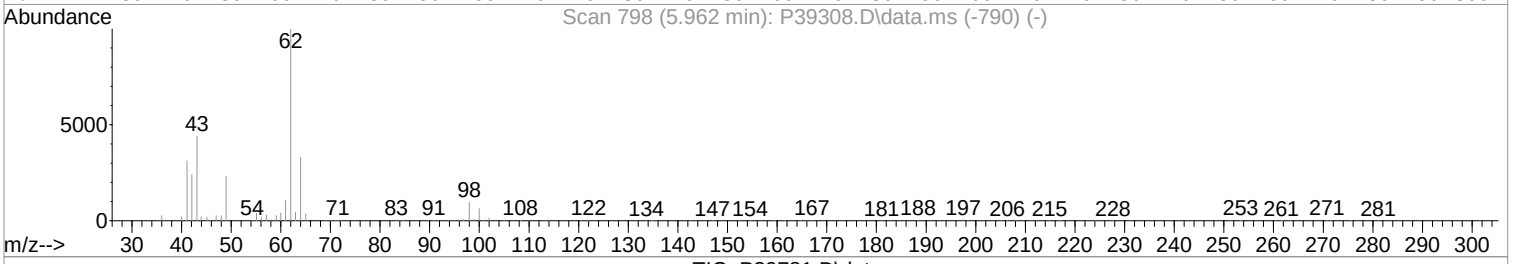
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(51) Iso-Butyl Alcohol

5.980min (+0.018) 582.15 ppb

response 121898

Ion	Exp%	Act%
43.10	100	100
41.10	71.60	70.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

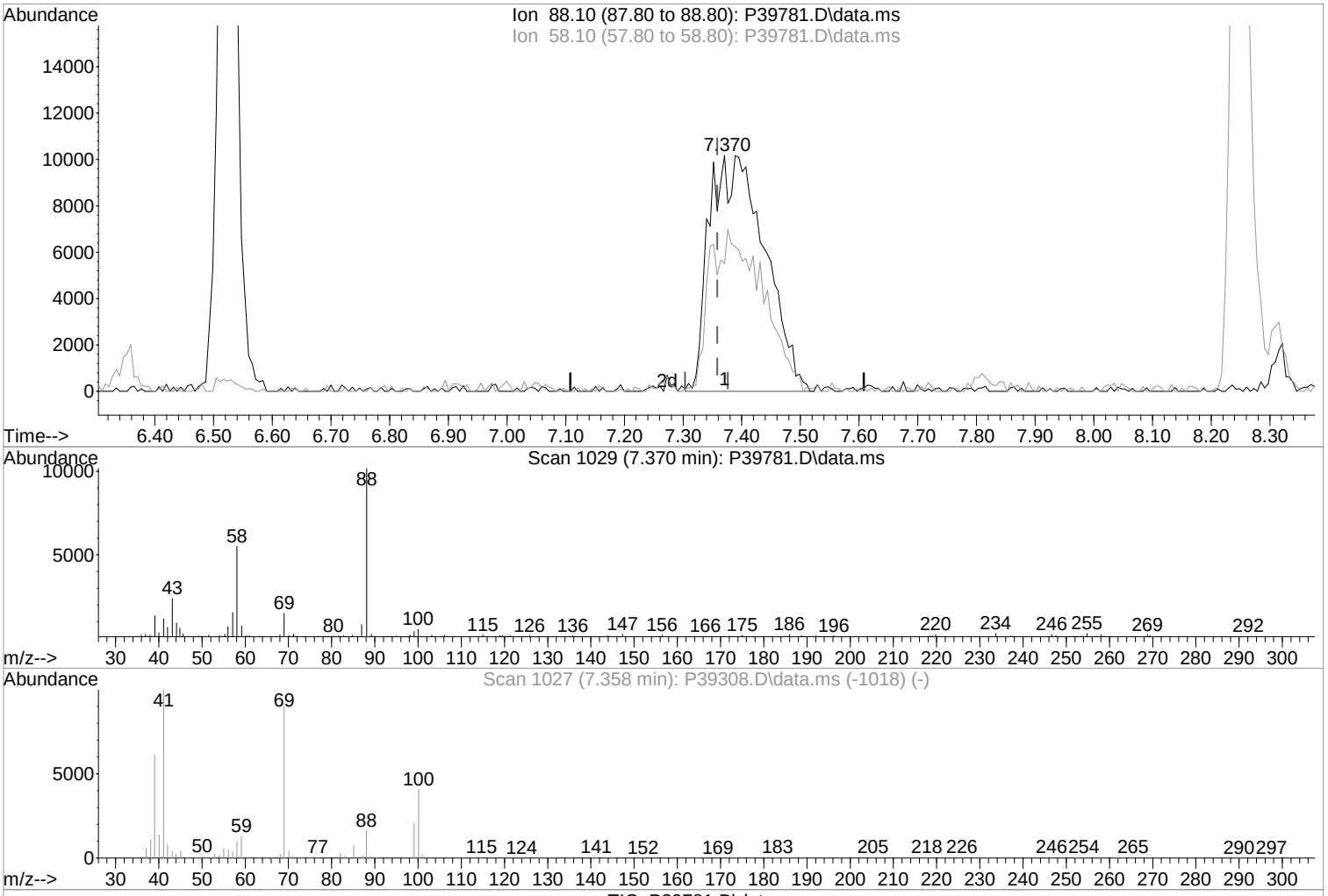
Before

09/22/20

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(58) 1,4-Dioxane

7.370min (+0.012) 844.16 ppb m

response 67028

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	54.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Split Peak

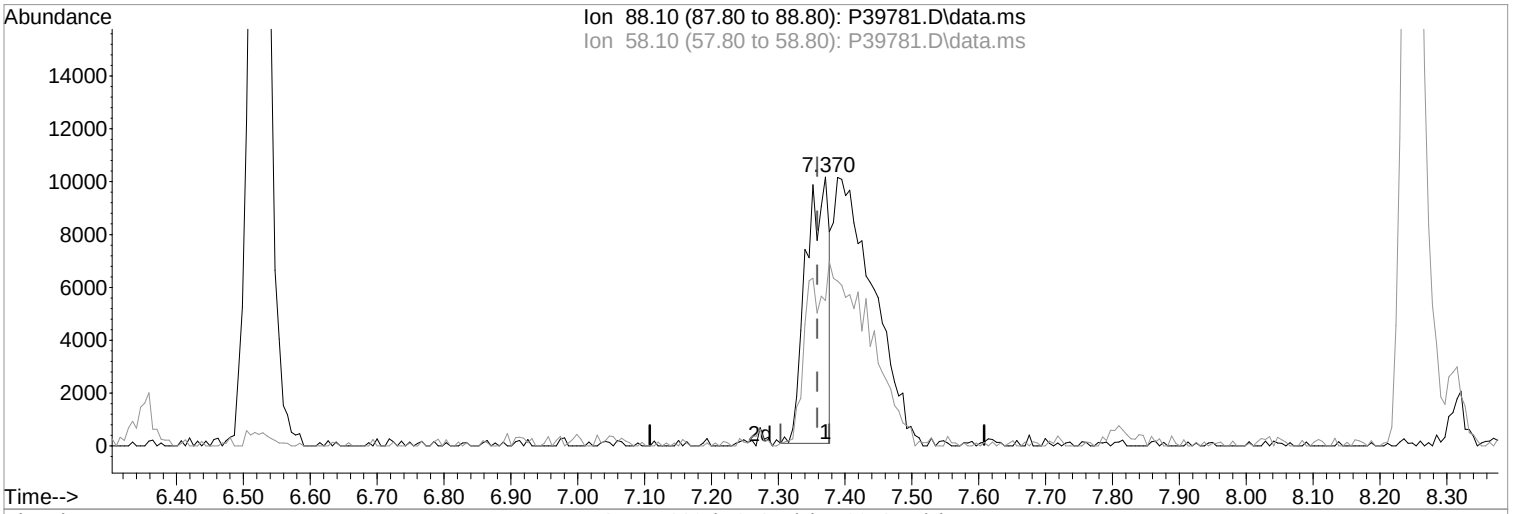
09/22/20

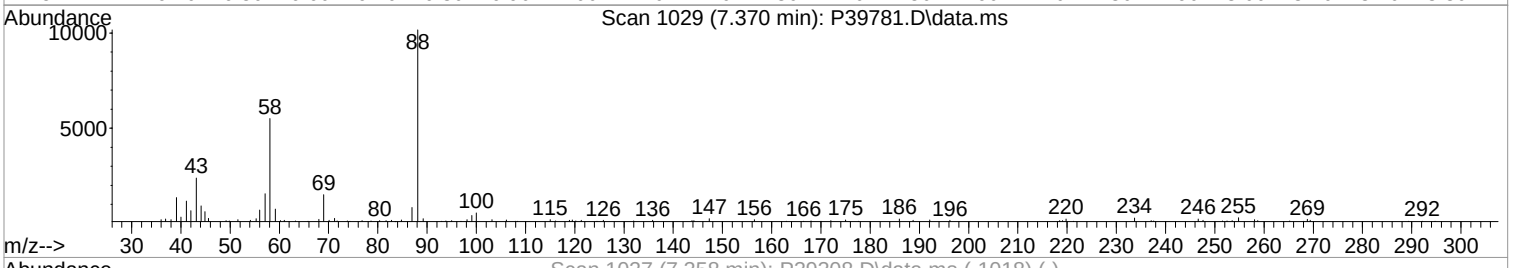
1st 09/22/20
2nd 09/22/20

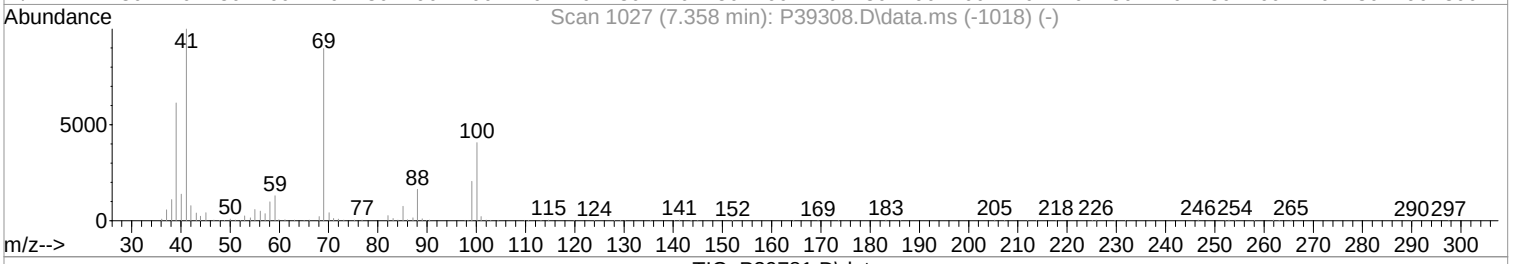
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 18 10:47:19 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: P39781.D\data.ms

(58) 1,4-Dioxane

7.370min (+0.012) 302.57 ppb

response 24025

Ion	Exp%	Act%
88.10	100	100
58.10	59.00	54.07
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 : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 22 14:52:44 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	304873	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	494772	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	455516	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	230887	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	138546	47.70	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 95.40%				
48) surr1,1,2-dichloroetha...	5.852	65	192518	49.65	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 99.30%				
65) SURR3,Toluene-d8	8.315	98	653220	49.49	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.98%				
70) SURR2,BFB	10.870	95	241922	47.25	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.201	85	180899	44.94	ppb		99
3) Chloromethane	1.323	50	216089	51.86	ppb		97
4) Vinyl Chloride	1.402	62	263565	52.17	ppb		99
5) Bromomethane	1.640	94	210873	49.38	ppb		100
6) Chloroethane	1.713	64	353481	95.48	ppb		97
7) Freon 21	1.865	67	258202	45.34	ppb		95
8) Trichlorofluoromethane	1.902	101	236185	49.40	ppb		94
9) Diethyl Ether	2.146	59	130976	46.96	ppb		94
10) Freon 123a	2.152	67	136493	41.46	ppb		93
11) Freon 123	2.207	83	163510	42.78	ppb		97
12) Acrolein	2.268	56	4489	5.66	ppb		83
13) 1,1-Diclethene	2.329	96	131340	58.45	ppb		94
14) Freon 113	2.329	101	127725	50.40	ppb		93
15) Acetone	2.408	43	72046	49.09	ppb		91
16) 2-Propanol	2.554	45	359105m	984.11	ppb		
17) Iodomethane	2.469	142	161701	46.15	ppb		90
18) Carbon Disulfide	2.524	76	340073	43.98	ppb		99
19) Acetonitrile	2.670	40	23022m	196.29	ppb		
20) Allyl Chloride	2.670	76	60316	40.65	ppb	#	84
21) Methyl Acetate	2.707	43	128644	42.59	ppb		98
22) Methylene Chloride	2.798	84	149117	49.73	ppb		97
23) TBA	2.957	59	682589m	999.92	ppb		
24) Acrylonitrile	3.085	53	284495m	174.93	ppb		
25) Methyl-t-Butyl Ether	3.097	73	534718	51.89	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	133740	51.30	ppb		95
28) 1,1-Diclethane	3.597	63	456531	91.59	ppb		100
29) Vinyl Acetate	3.694	86	25599	40.03	ppb	#	1
30) DIPE	3.700	45	449677	52.09	ppb		96
31) 2-Chloro-1,3-Butadiene	3.713	53	131049	27.70	ppb		99
32) ETBE	4.237	59	444362	50.26	ppb		98
33) 2,2-Dichloropropane	4.432	77	144406	31.90	ppb		96
34) cis-1,2-Dichloroethene	4.444	96	205477	65.21	ppb		98
35) 2-Butanone	4.536	43	82085	41.35	ppb		94
36) Propionitrile	4.639	54	184371m	238.51	ppb		
37) Bromochloromethane	4.853	130	95861	47.15	ppb		91
38) Methacrylonitrile	4.895	67	66003	35.67	ppb		98
39) Tetrahydrofuran	4.962	42	55773	39.33	ppb		98
40) Chloroform	5.029	83	261153	49.86	ppb		97
41) 1,1,1-Trichloroethane	5.298	97	251135	53.16	ppb		97

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

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 22 14:52:44 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	485211	51.39	ppb		96
44) Cyclohexane	5.365	41	136020	46.19	ppb		94
46) Carbontetrachloride	5.566	117	174451	45.10	ppb		97
47) 1,1-Dichloropropene	5.584	75	204021	48.31	ppb		91
49) Benzene	5.907	78	634011	48.36	ppb		98
50) 1,2-Dichloroethane	5.968	62	220850	47.03	ppb		97
51) Iso-Butyl Alcohol	5.980	43	211318m	1009.20	ppb		
52) n-Heptane	6.352	43	133771	35.54	ppb		100
53) 1-Butanol	6.919	56	378625	2513.51	ppb		99
54) Trichloroethene	6.840	130	214166	57.99	ppb		93
55) Methylcyclohexane	7.047	55	201804	49.69	ppb		93
56) 1,2-Diclpropane	7.133	63	157063	47.21	ppb		96
57) Dibromomethane	7.279	93	100368	44.25	ppb		85
58) 1,4-Dioxane	7.370	88	67028m	844.16	ppb		
59) Methyl Methacrylate	7.352	69	5161	1.57	ppb	#	81
60) Bromodichloromethane	7.498	83	178176	40.65	ppb		97
63) cis-1,3-Dichloropropene	8.035	75	211689	40.10	ppb		94
64) 4-Methyl-2-pentanone	8.248	43	202429	45.83	ppb		97
66) Toluene	8.389	91	723205	48.26	ppb		99
67) trans-1,3-Dichloropropene	8.669	75	188489	37.09	ppb		96
68) Ethyl Methacrylate	8.803	69	5073	0.90	ppb		88
69) 1,1,2-Trichloroethane	8.864	97	154069	47.10	ppb		97
72) Tetrachloroethene	8.968	164	114793	41.08	ppb		84
73) 2-Hexanone	9.151	43	145390	43.45	ppb		96
74) 1,3-Dichloropropane	9.029	76	266741	45.66	ppb		98
75) Dibromochloromethane	9.248	129	133009	42.68	ppb		98
76) N-Butyl Acetate	9.291	43	263283	38.48	ppb		99
77) 1,2-Dibromoethane	9.346	107	158328	45.15	ppb		90
78) Chlorobenzene	9.827	112	449045	46.78	ppb		93
79) 3-CBTF	9.839	180	198495	37.91	ppb		94
80) 4-CBTF	9.894	180	178799	38.83	ppb		98
81) 1,1,1,2-Tetrachloroethane	9.913	131	145713	44.26	ppb		99
82) Ethylbenzene	9.937	106	254934	48.18	ppb		97
83) (m+p)Xylene	10.053	106	629895	98.80	ppb		99
84) o-Xylene	10.406	106	307766	48.11	ppb		98
85) Styrene	10.413	104	24477	2.26	ppb	#	1
87) Bromoform	10.583	173	79314	39.23	ppb		99
88) 2-CBTF	10.656	180	202095	42.33	ppb		96
89) Isopropylbenzene	10.736	105	797231	52.36	ppb		100
90) Cyclohexanone	10.833	55	216963	257.17	ppb		96
91) trans-1,4-Dichloro-2-B...	11.065	53	42400	33.27	ppb		86
92) 1,1,2,2-Tetrachloroethane	11.016	83	237776	55.03	ppb		99
93) Bromobenzene	10.992	156	188393	46.03	ppb		94
94) 1,2,3-Trichloropropane	11.040	110	74834	45.83	ppb	#	85
95) n-Propylbenzene	11.089	91	947274	54.46	ppb		99
96) 2-Chlorotoluene	11.156	91	565485	49.77	ppb		98
97) 3-Chlorotoluene	11.211	91	541685	48.36	ppb		99
98) 4-Chlorotoluene	11.248	91	639910	49.58	ppb		94
99) 1,3,5-Trimethylbenzene	11.242	105	658096	49.59	ppb		98
100) tert-Butylbenzene	11.516	119	594075	52.70	ppb		97
101) 1,2,4-Trimethylbenzene	11.553	105	668895	50.66	ppb		98
102) 3,4-DCBTF	11.613	214	142075	36.55	ppb		95
103) sec-Butylbenzene	11.693	105	872173	54.33	ppb		97
104) p-Isopropyltoluene	11.815	119	718359	51.82	ppb		97
105) 1,3-Dclbenz	11.784	146	368979	47.72	ppb		99
106) 1,4-Dclbenz	11.857	146	379121	46.48	ppb		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 22 14:52:44 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	137089	39.53	ppb	94
108) 2,5-DCBTF	11.949	214	156783	39.19	ppb	98
109) n-Butylbenzene	12.150	91	661472	53.05	ppb	97
110) 1,2-Dclbenz	12.162	146	367487	46.07	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.790	157	52546	42.02	ppb	95
112) Trielution Dichlorotol...	12.894	125	986550	138.09	ppb	98
113) 1,3,5 Trichlorobenzene	12.943	180	245577	41.50	ppb	97
114) Coelution Dichlorotoluene	13.223	125	736059	95.18	ppb	99
115) 1,2,4-Tcbenzene	13.430	180	266029	44.18	ppb	97
116) Hexachlorobt	13.558	225	97251	40.86	ppb	99
117) Naphthalen	13.625	128	918926	49.76	ppb	98
118) 1,2,3-Tclbenzene	13.808	180	262308	43.14	ppb	99
119) 2,4,5-Trichlorotolene	14.387	159	190428	43.32	ppb	92
120) 2,3,6-Trichlorotoluene	14.473	159	186446	47.06	ppb	91

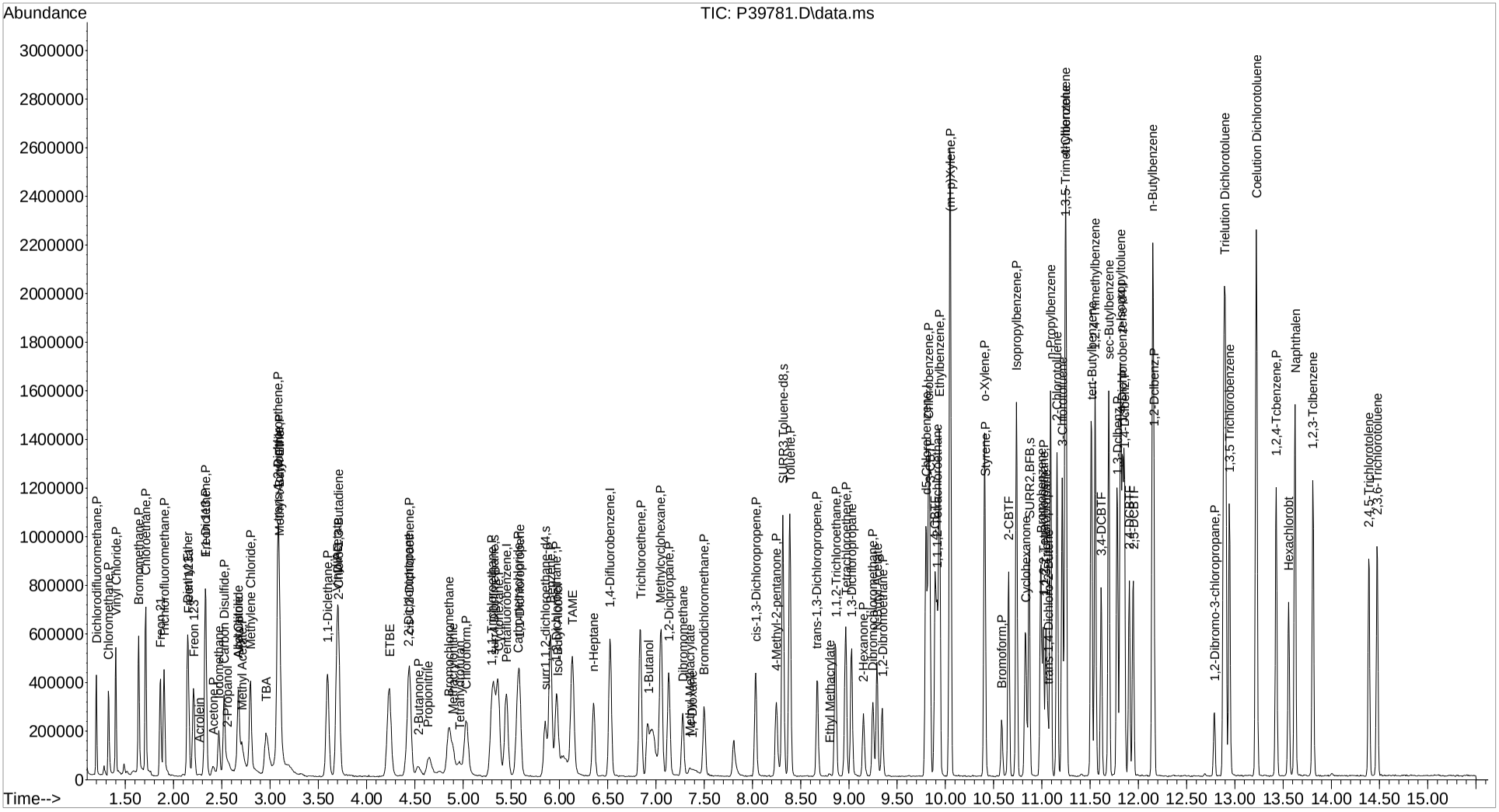
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39781.D
Acq On : 18 Sep 2020 7:10 am
Operator : K.Ruest
Sample : R2008511-008DMS|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 22 14:52:44 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

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

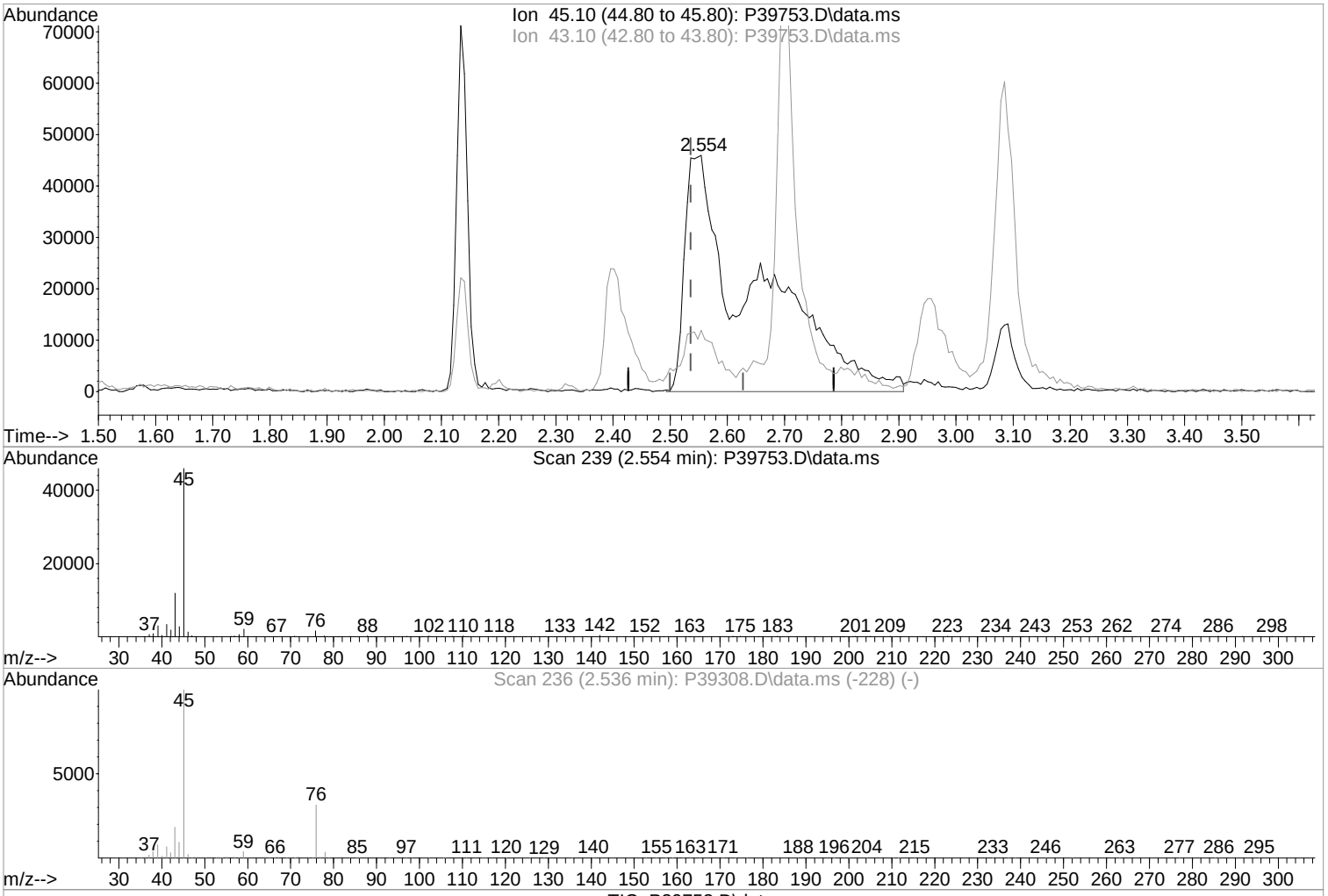


1st 09/18/20
2nd 09/22/20

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.

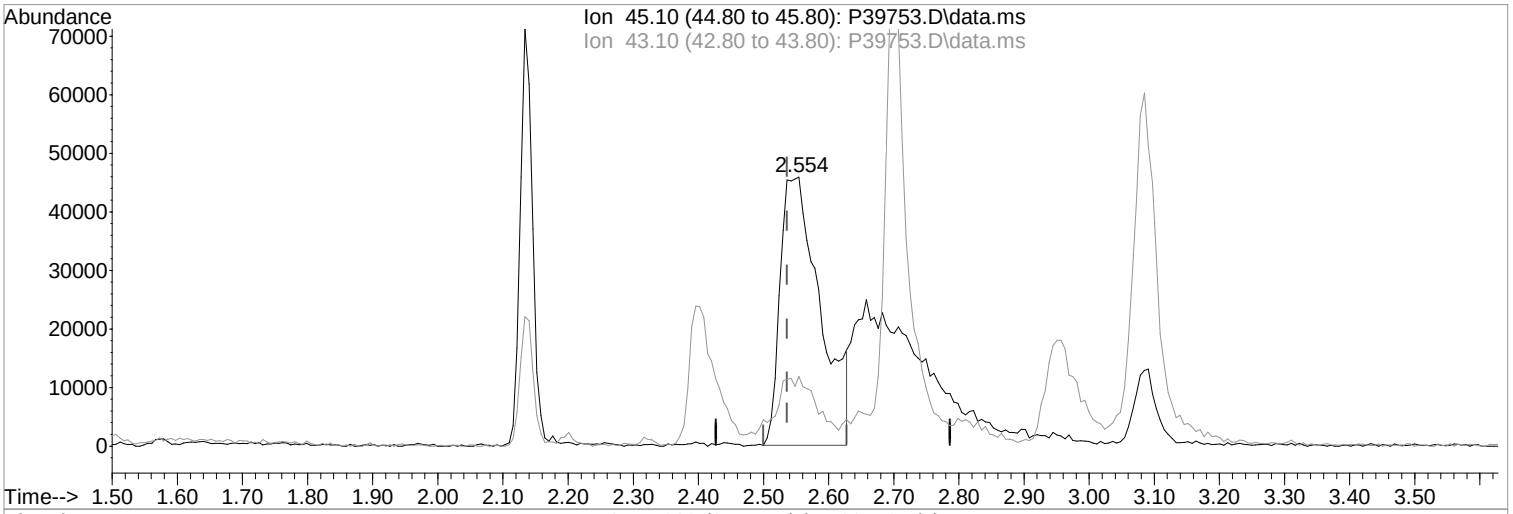
09/18/20

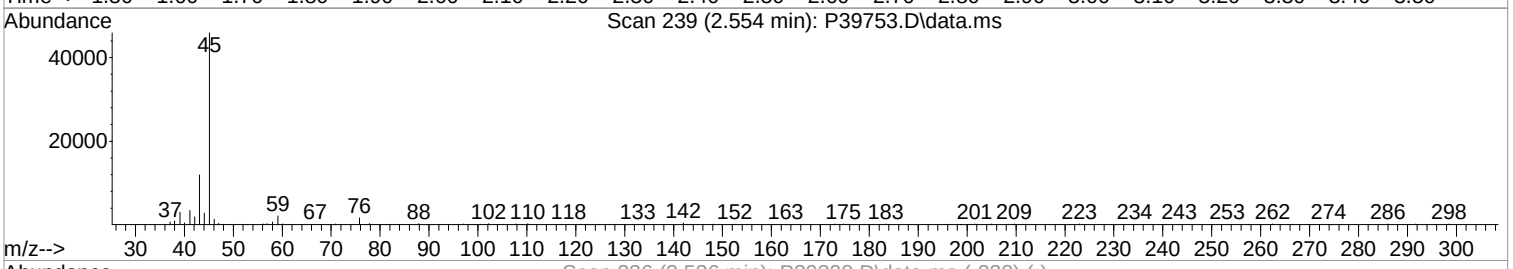
1st 09/18/20
2nd 09/22/20

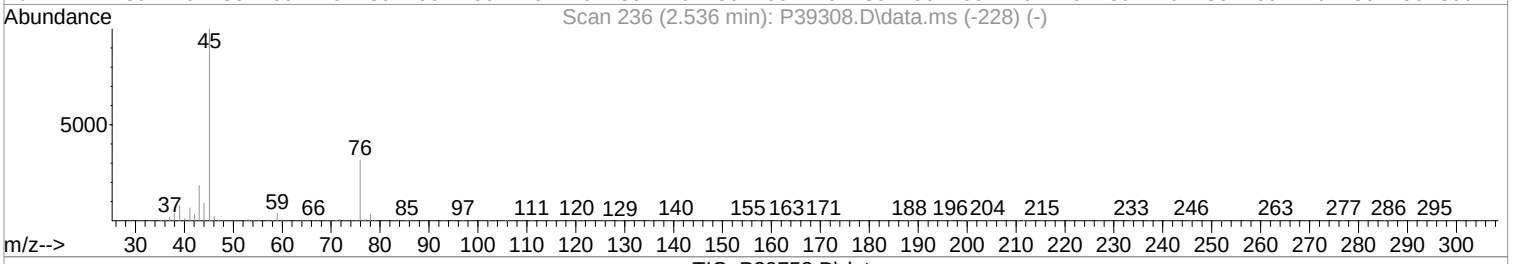
Quantitation Report (Qedit)

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:

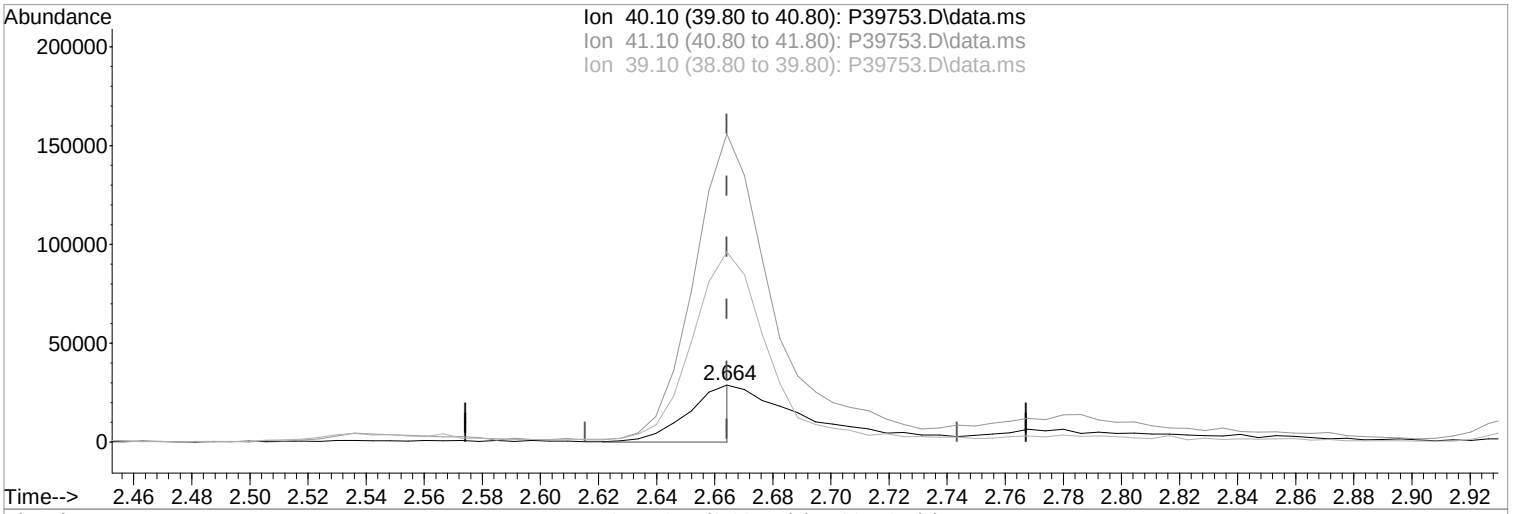
Before

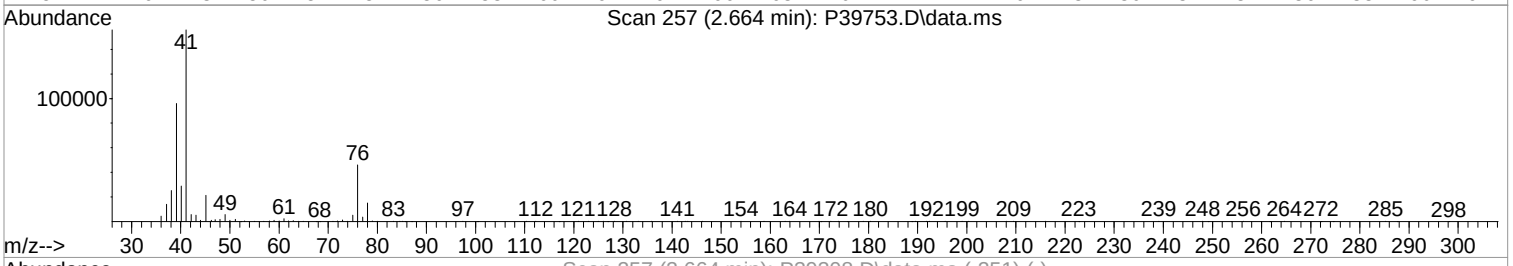
09/18/20

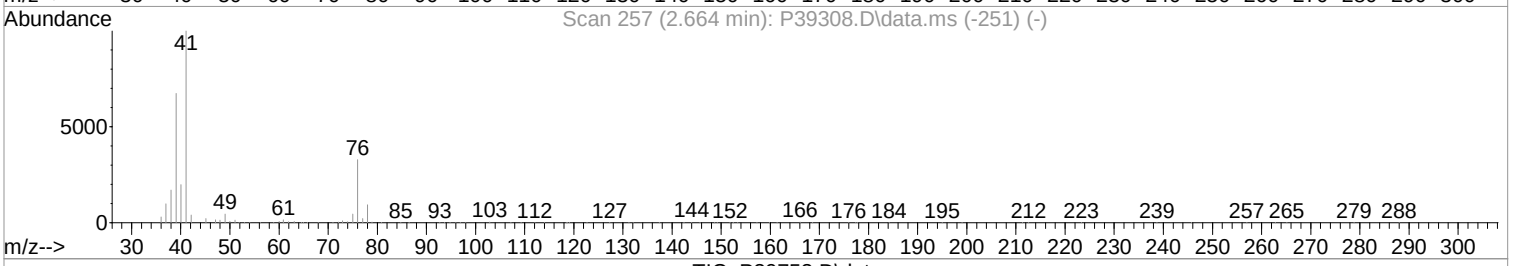
Quantitation Report (Qedit)

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.

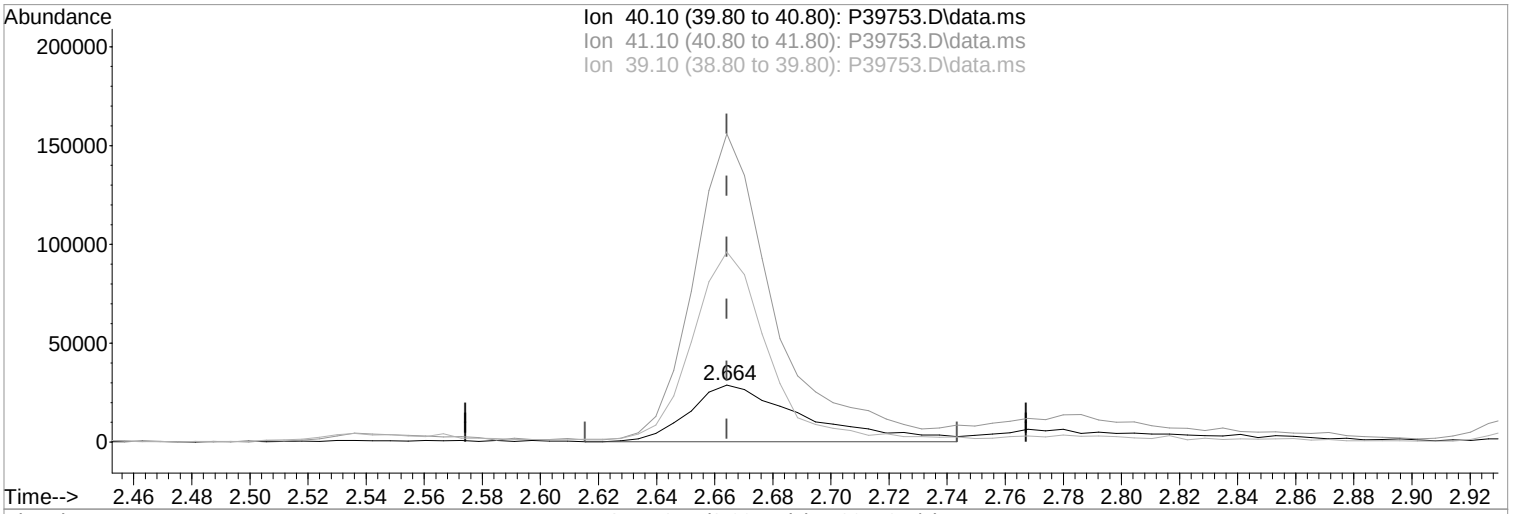
09/18/20

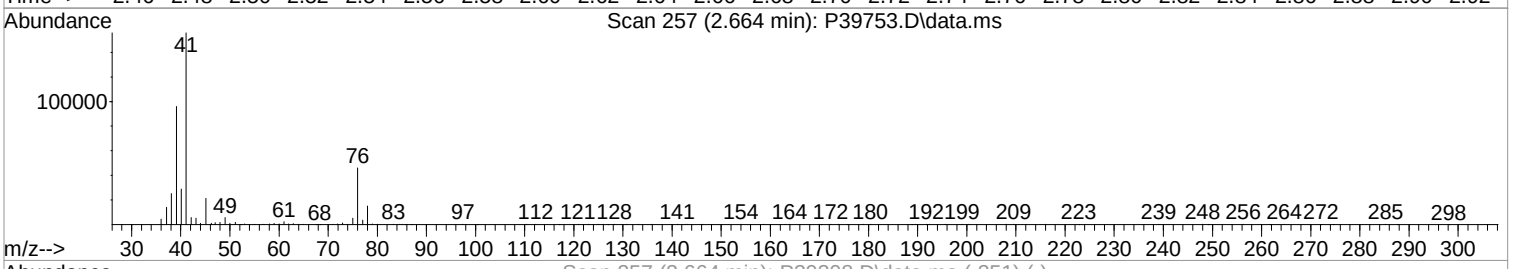
1st 09/18/20
2nd 09/22/20

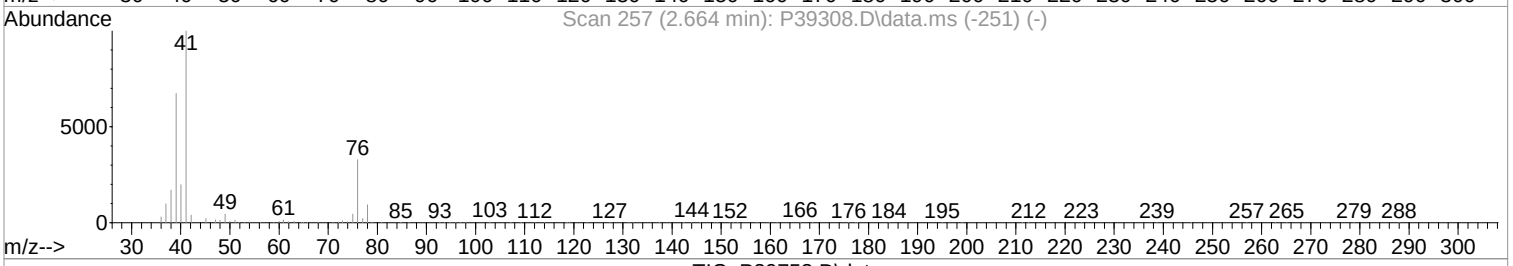
Quantitation Report (Qedit)

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

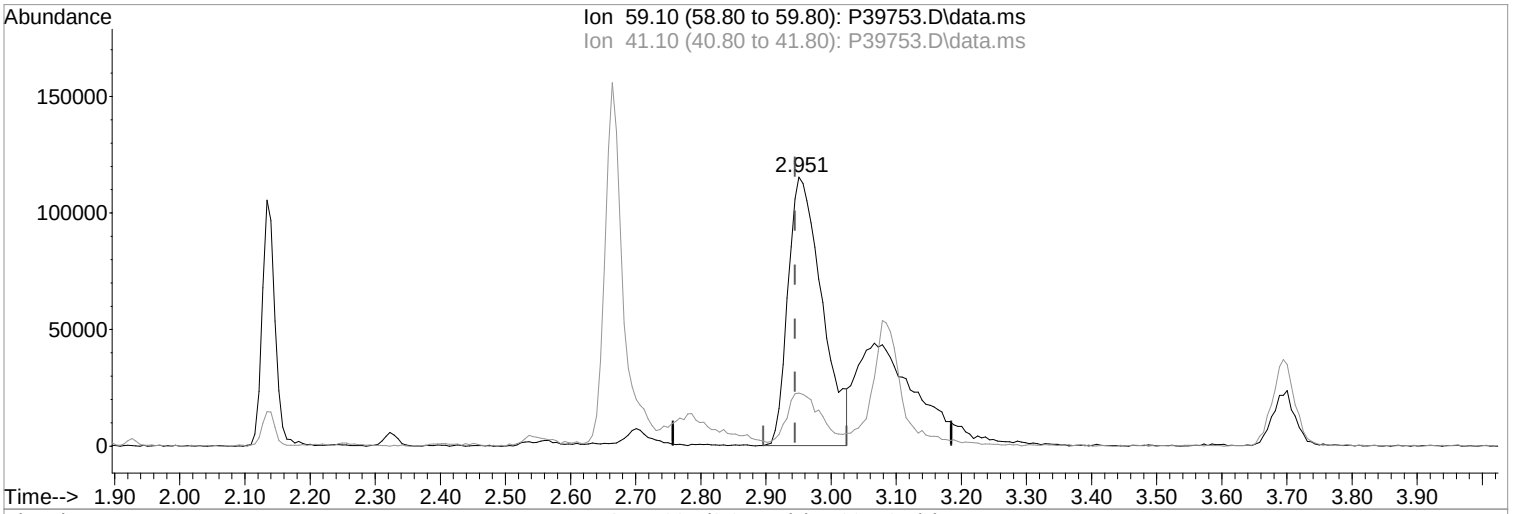
09/18/20

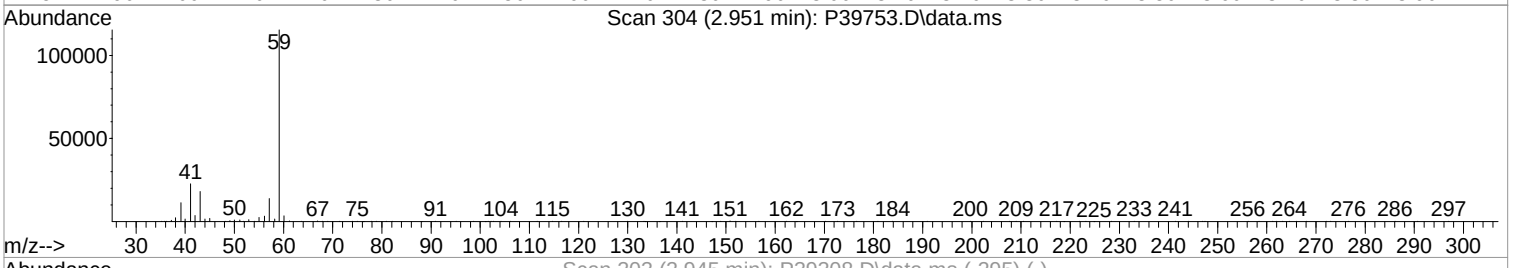
1st 09/18/20
2nd 09/22/20

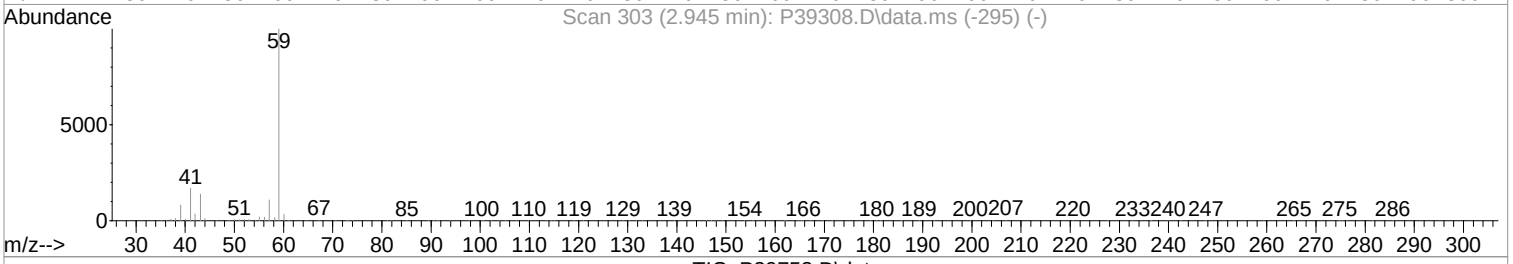
Quantitation Report (Qedit)

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

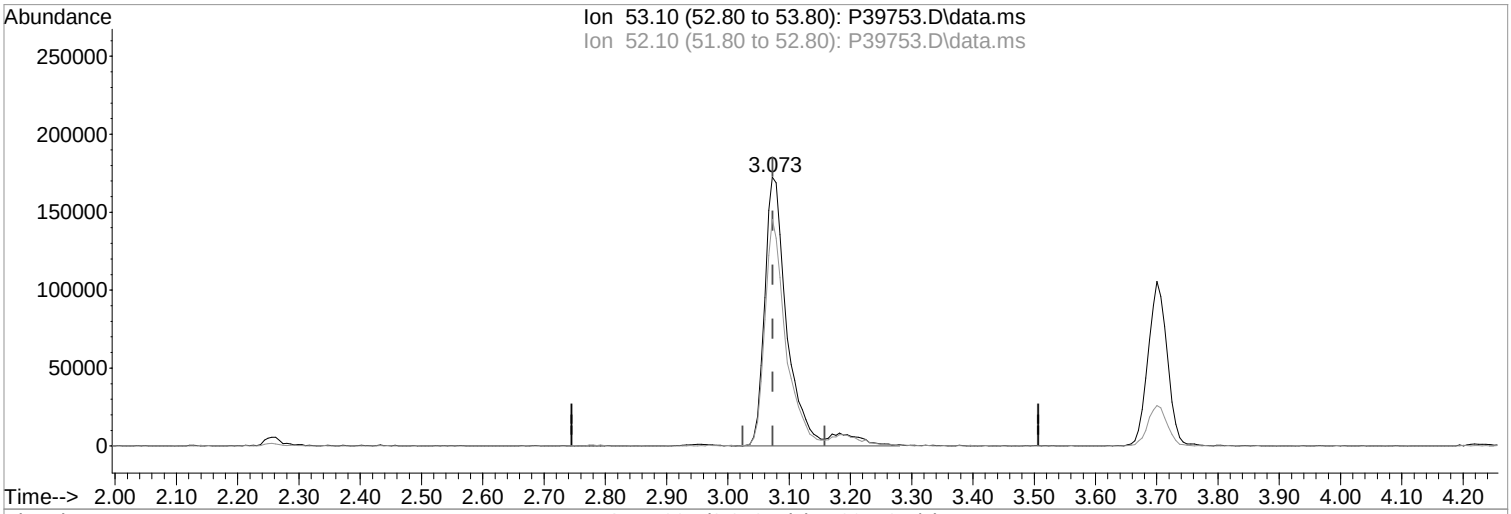
09/18/20

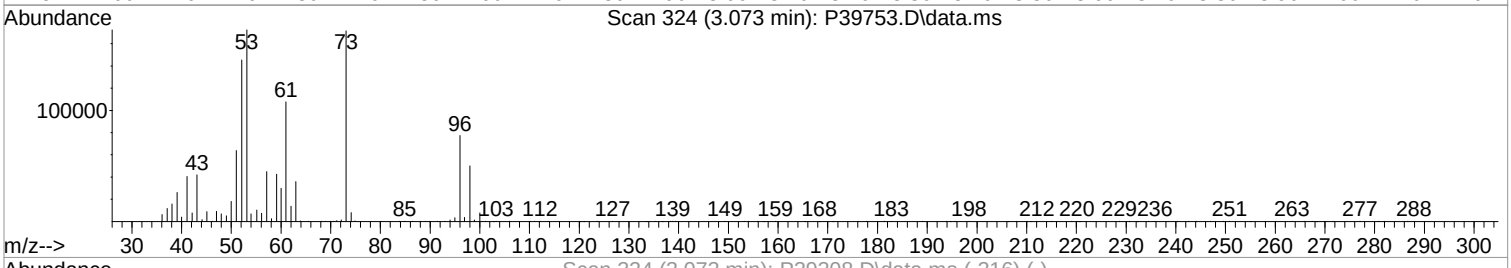
1st 09/18/20
2nd 09/22/20

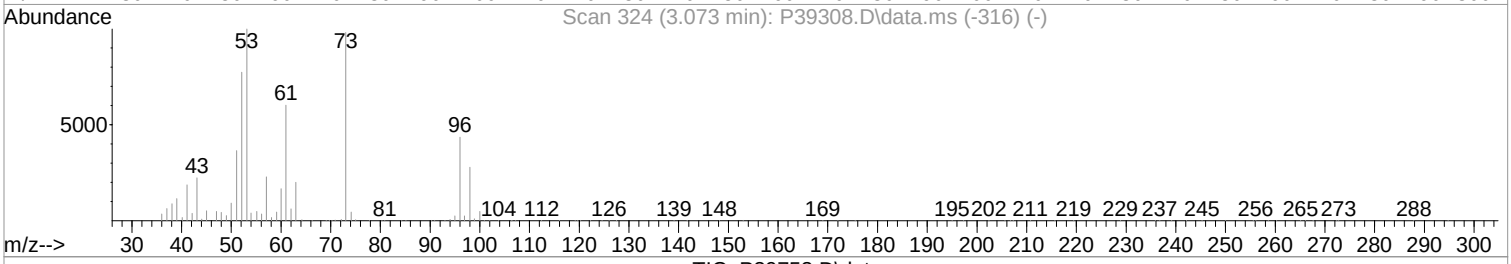
Quantitation Report (Qedit)

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.

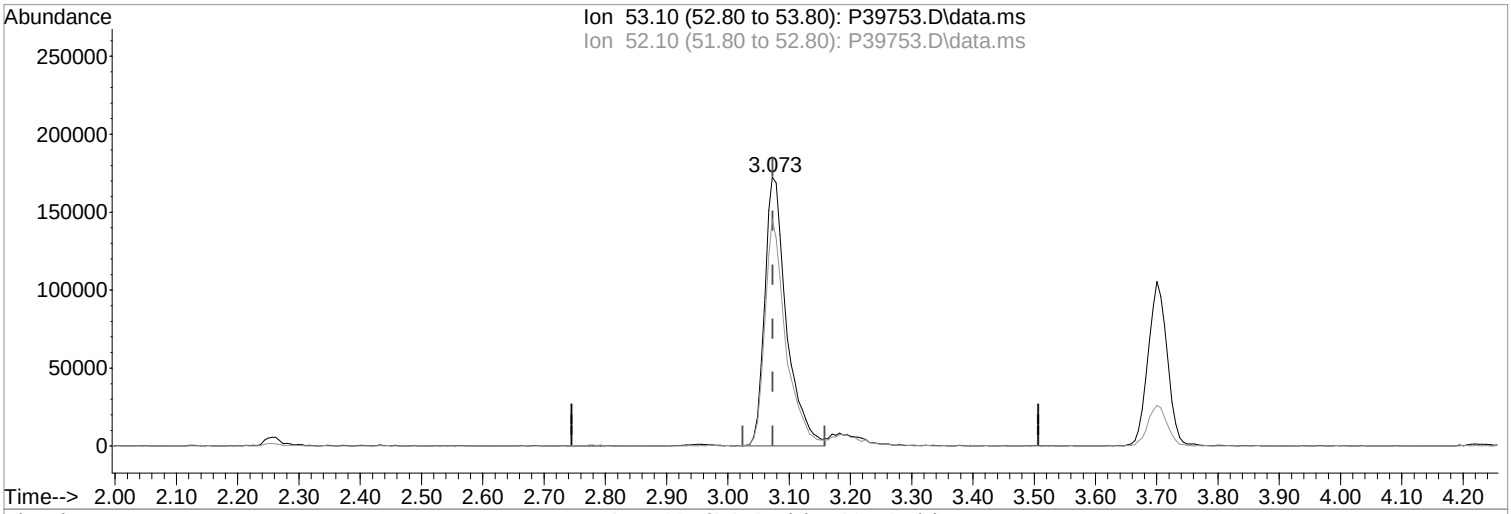
09/18/20

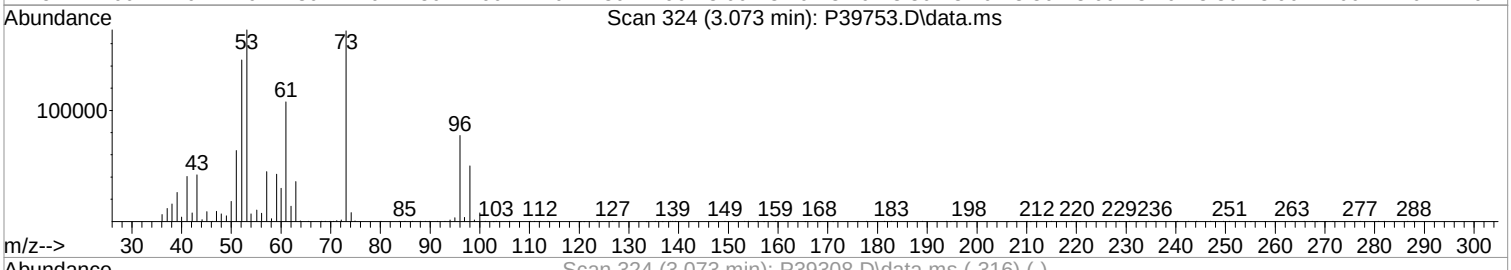
1st 09/18/20
2nd 09/22/20

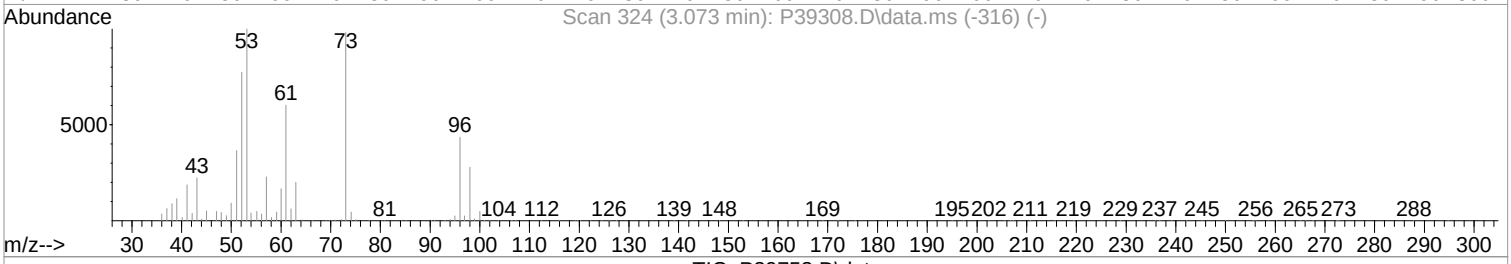
Quantitation Report (Qedit)

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:

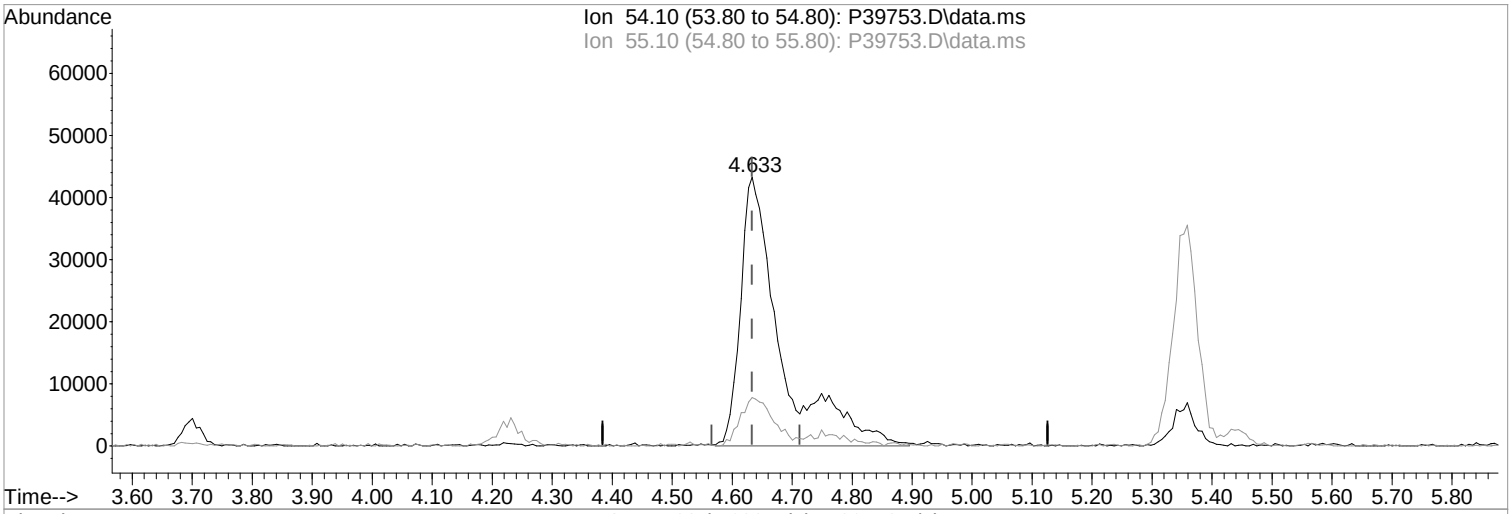
Before

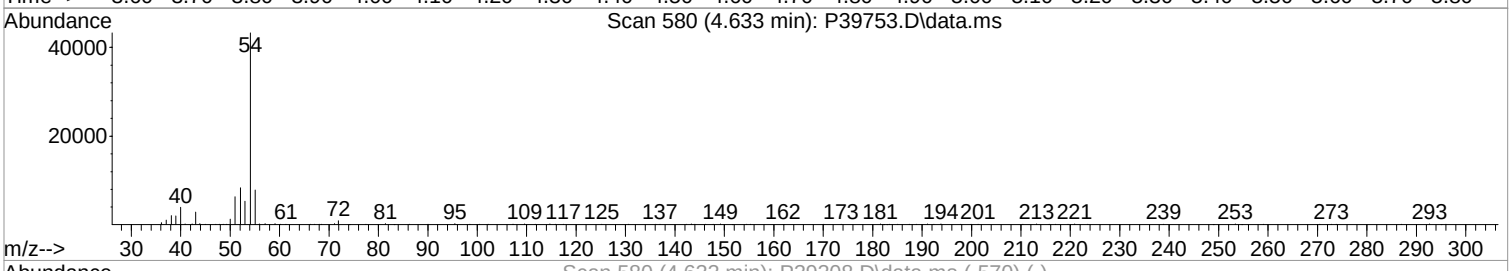
09/18/20

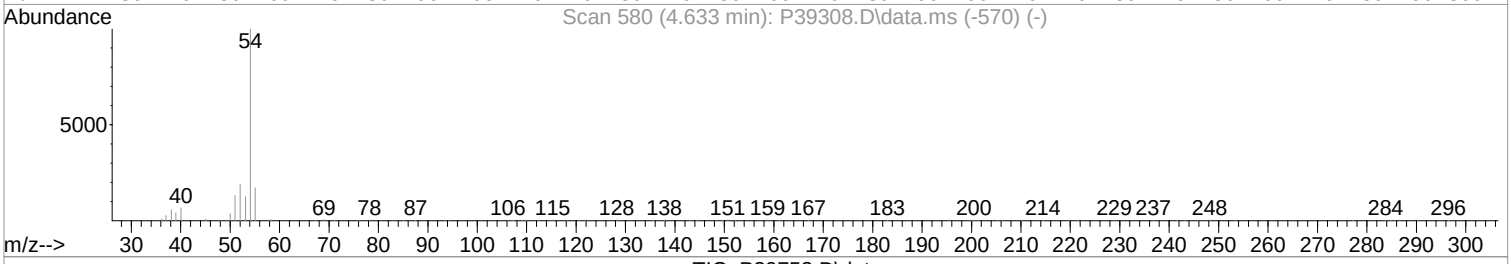
Quantitation Report (Qedit)

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.

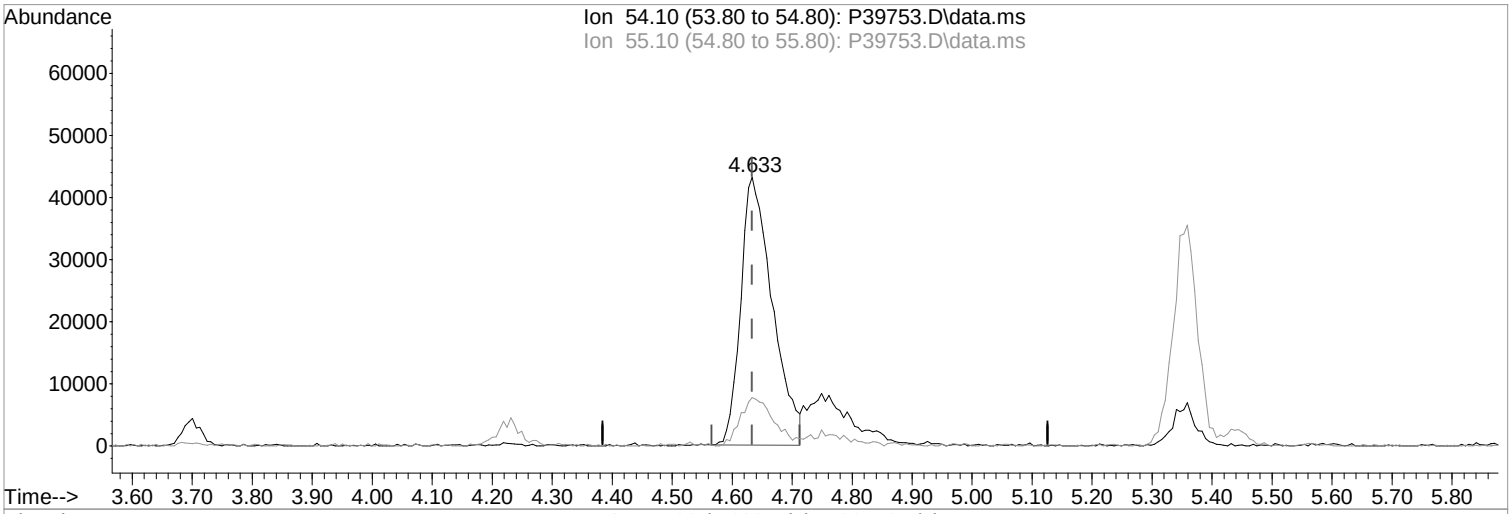
09/18/20

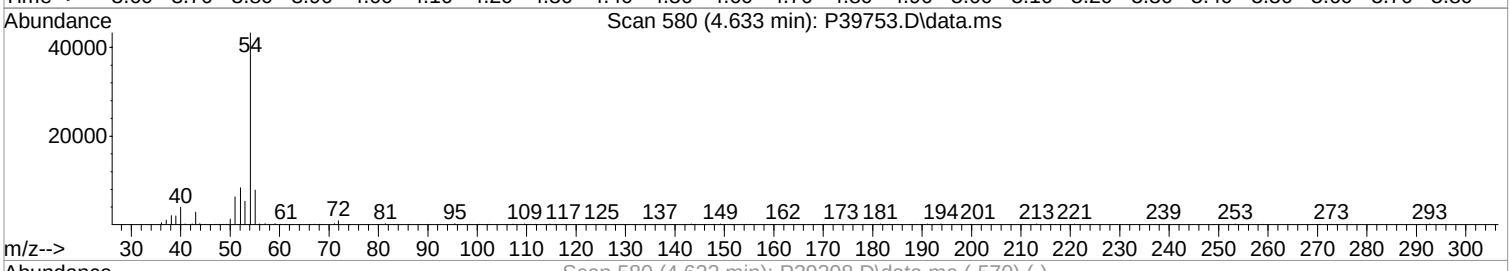
1st 09/18/20
2nd 09/22/20

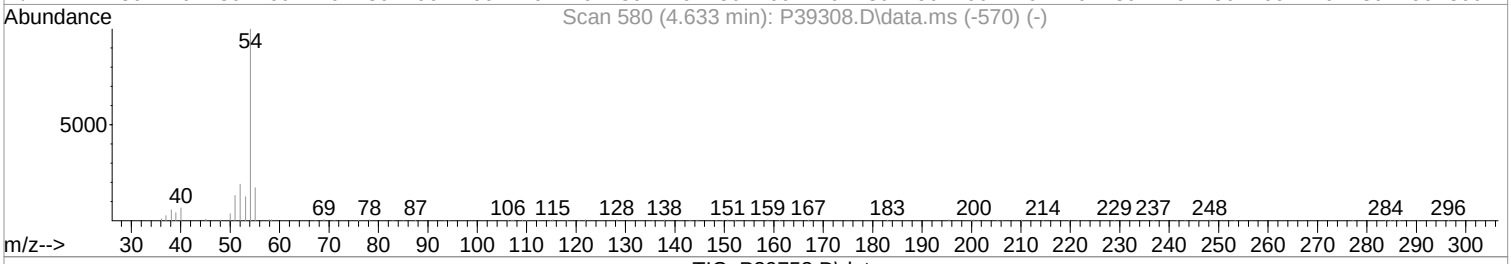
Quantitation Report (Qedit)

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

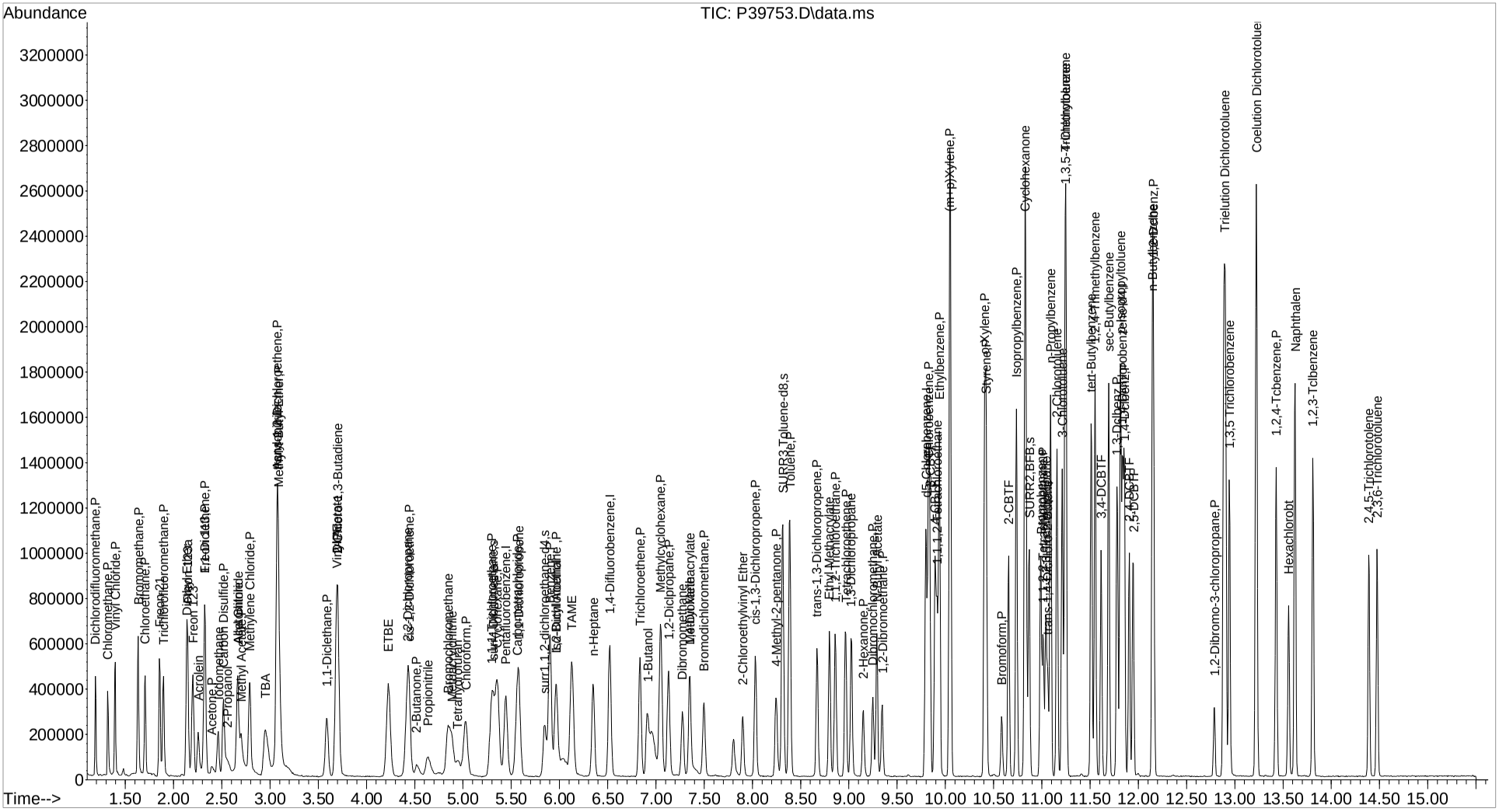
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

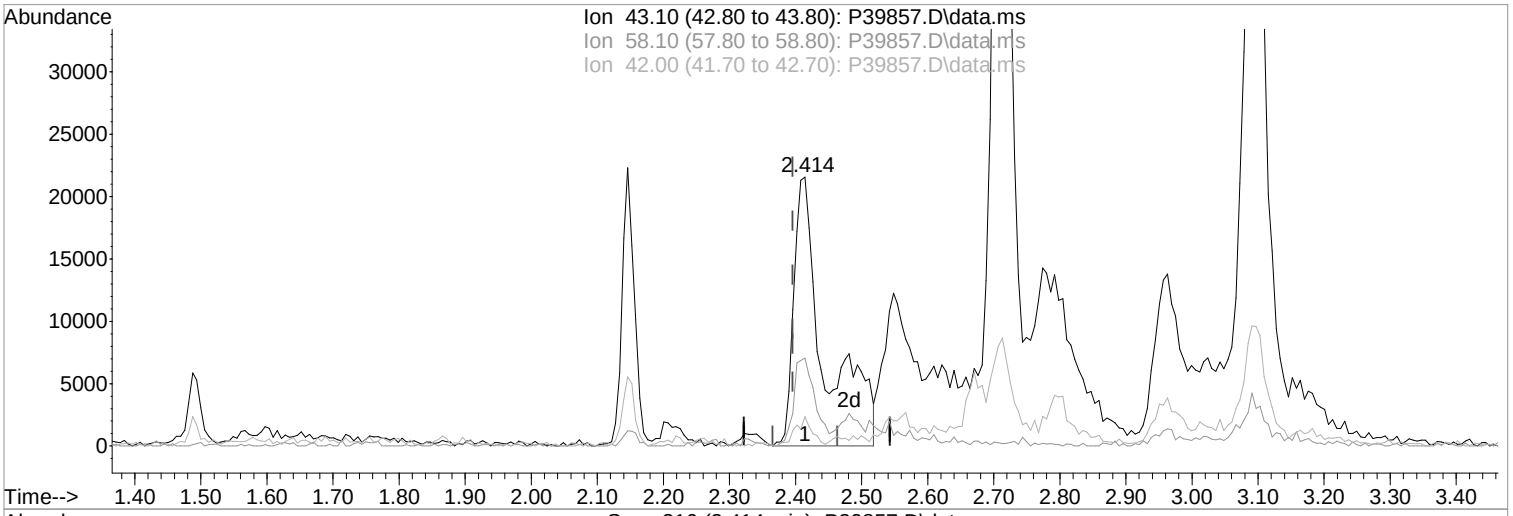


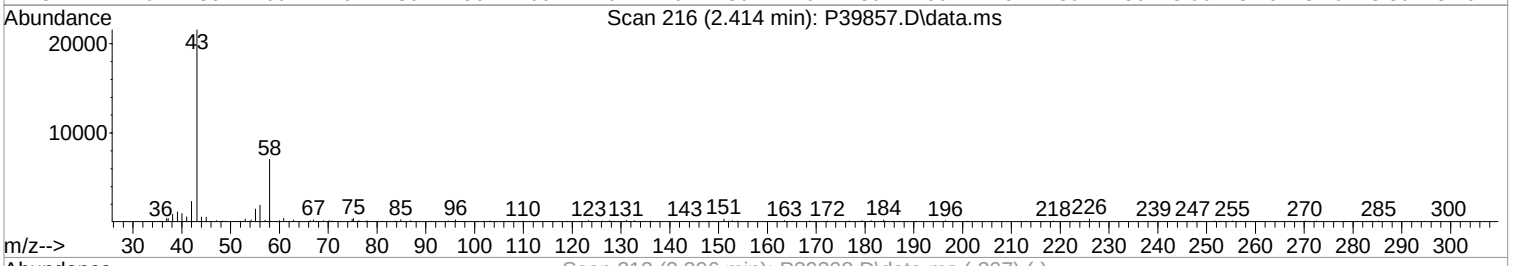
1st 09/21/20
2nd 09/24/20

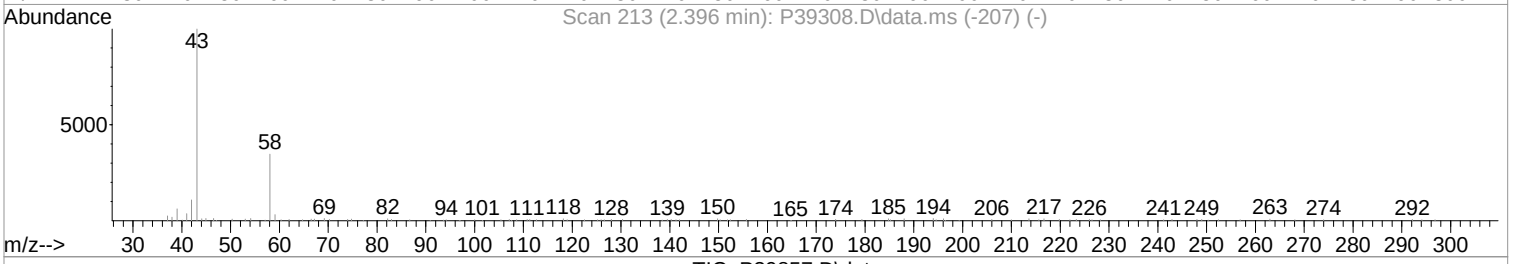
Quantitation Report (Qedit)

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.

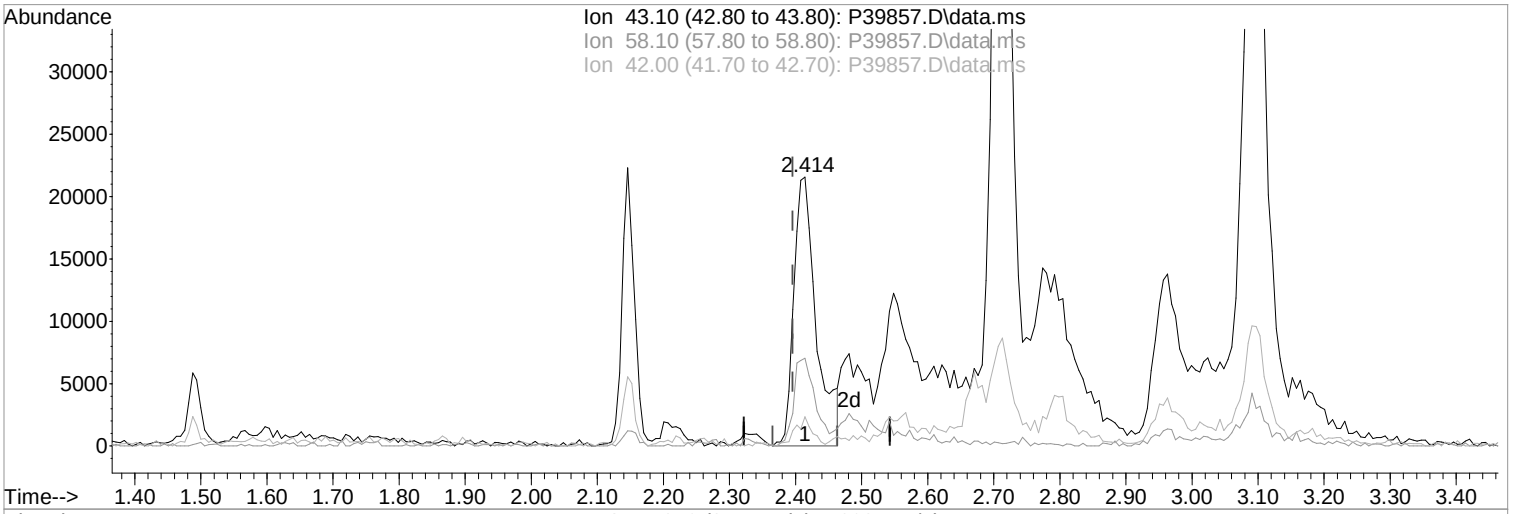
09/21/20

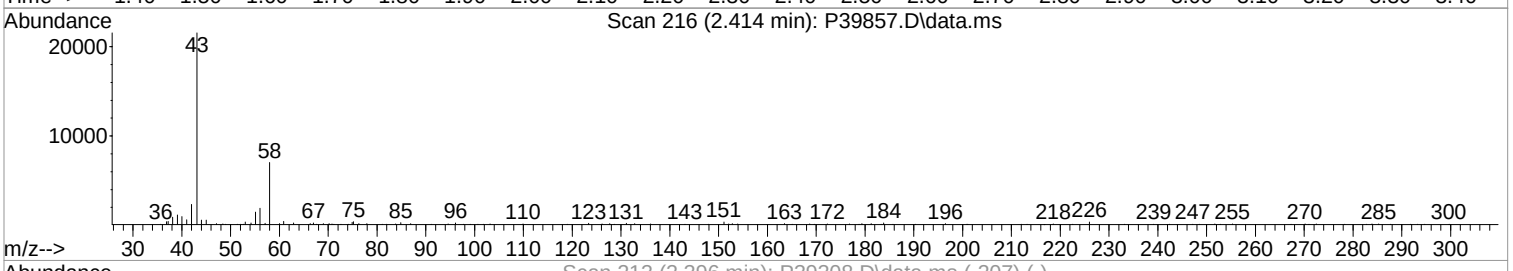
1st 09/21/20
2nd 09/24/20

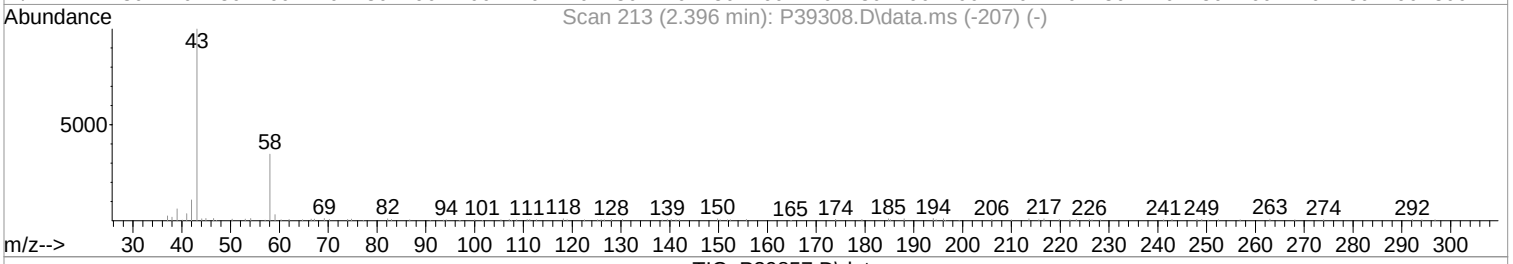
Quantitation Report (Qedit)

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

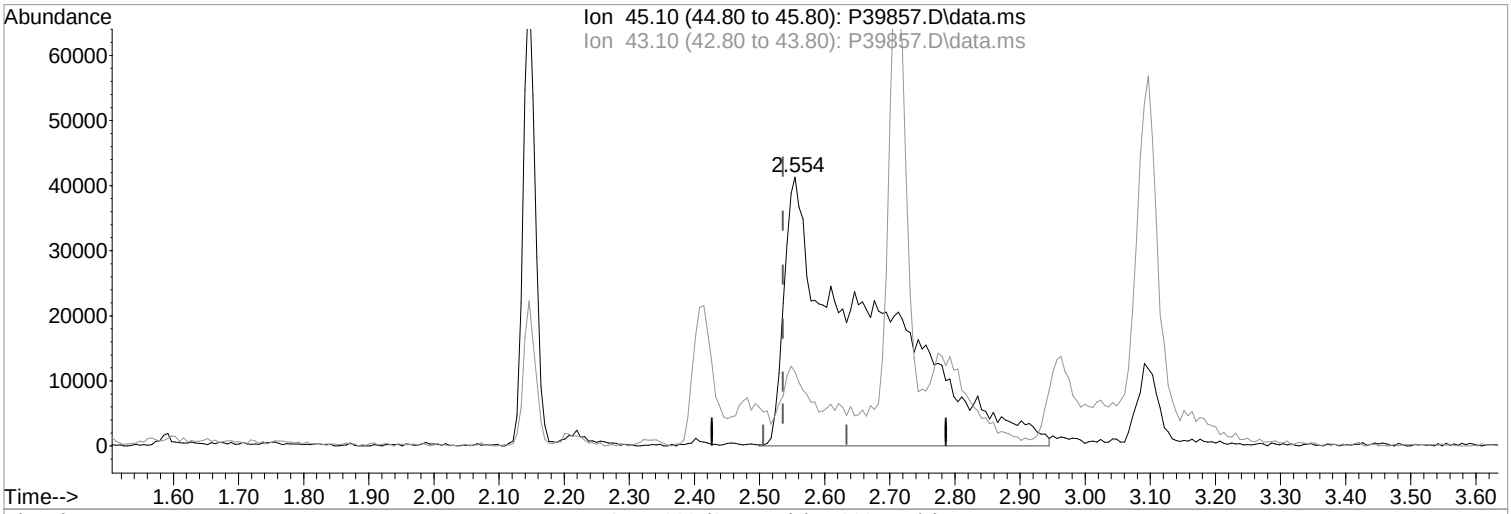
09/21/20

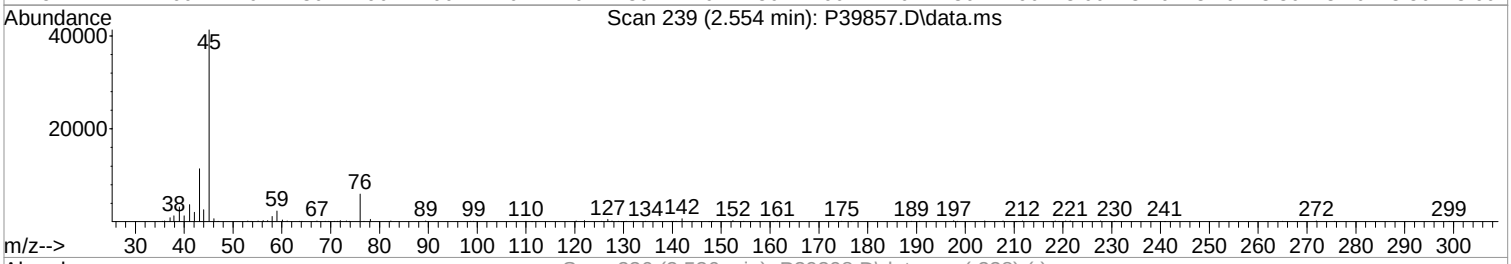
1st 09/21/20
2nd 09/24/20

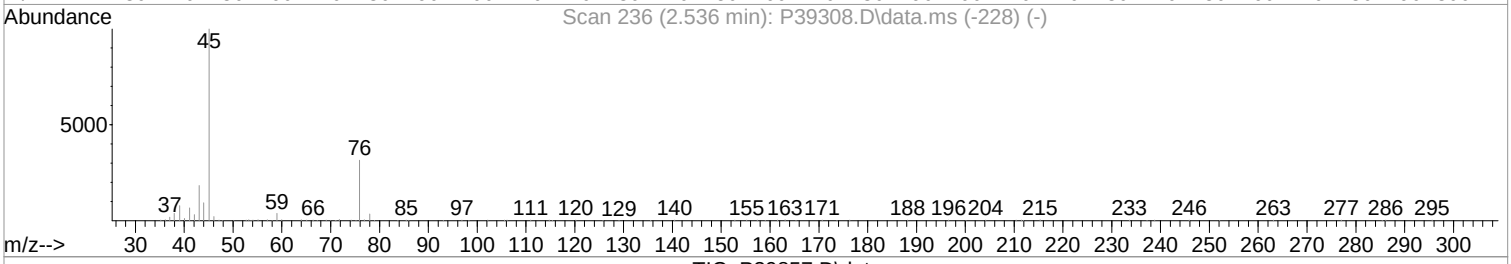
Quantitation Report (Qedit)

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.

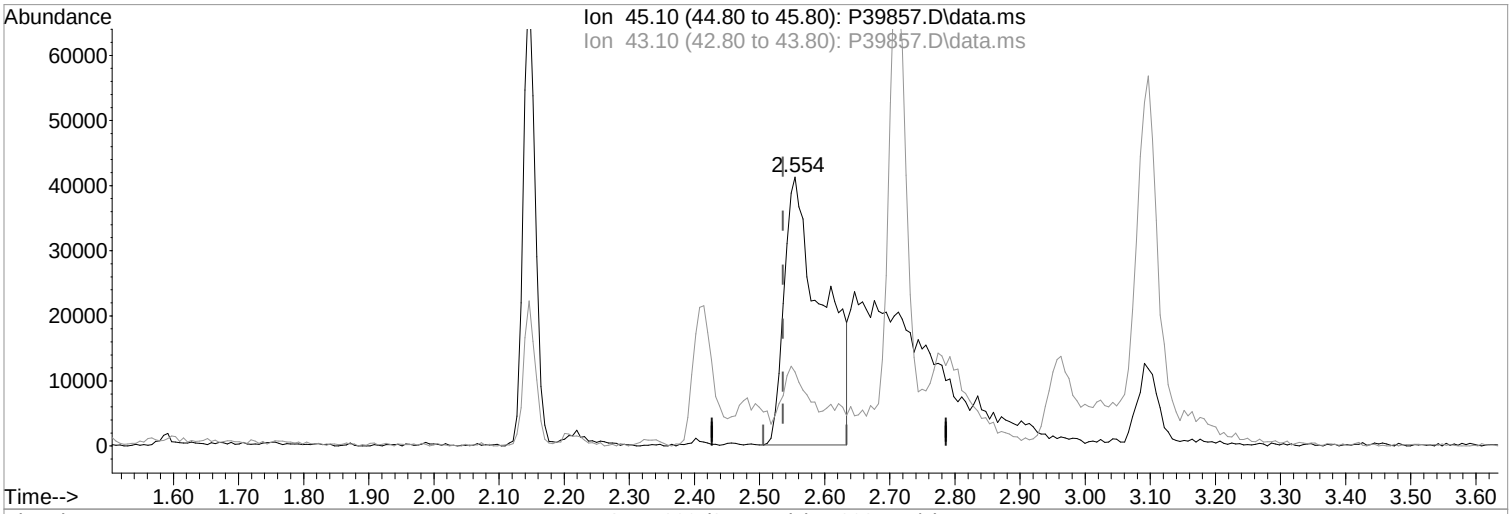
09/21/20

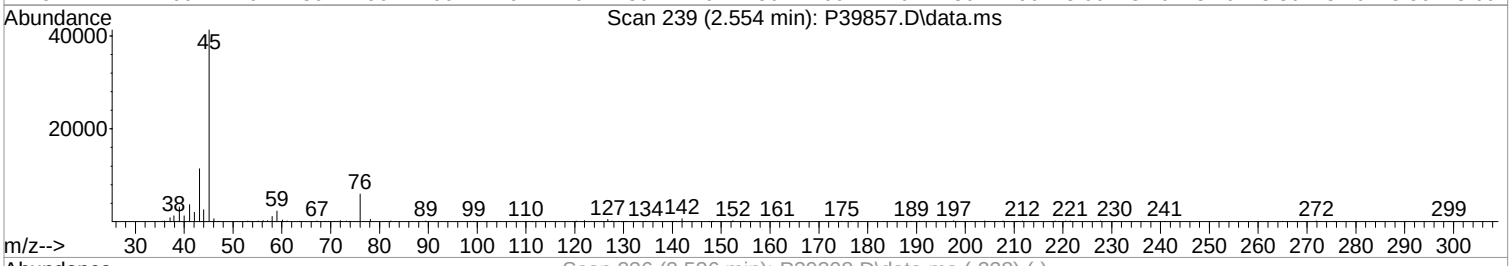
1st 09/21/20
2nd 09/24/20

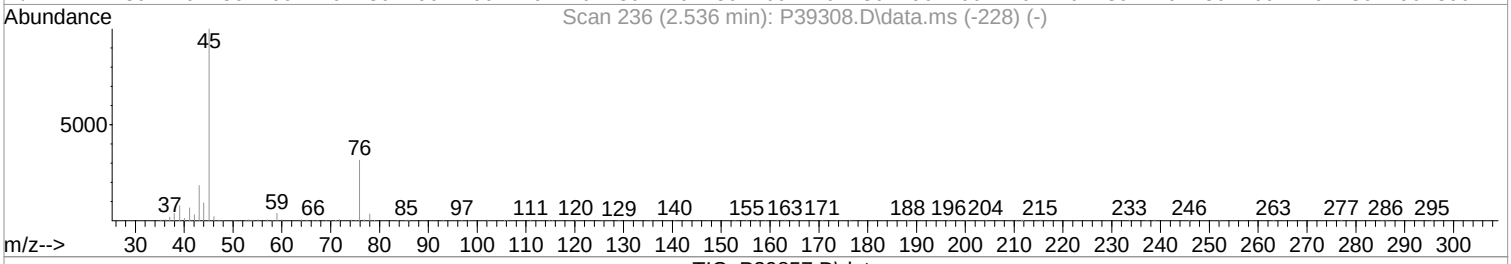
Quantitation Report (Qedit)

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

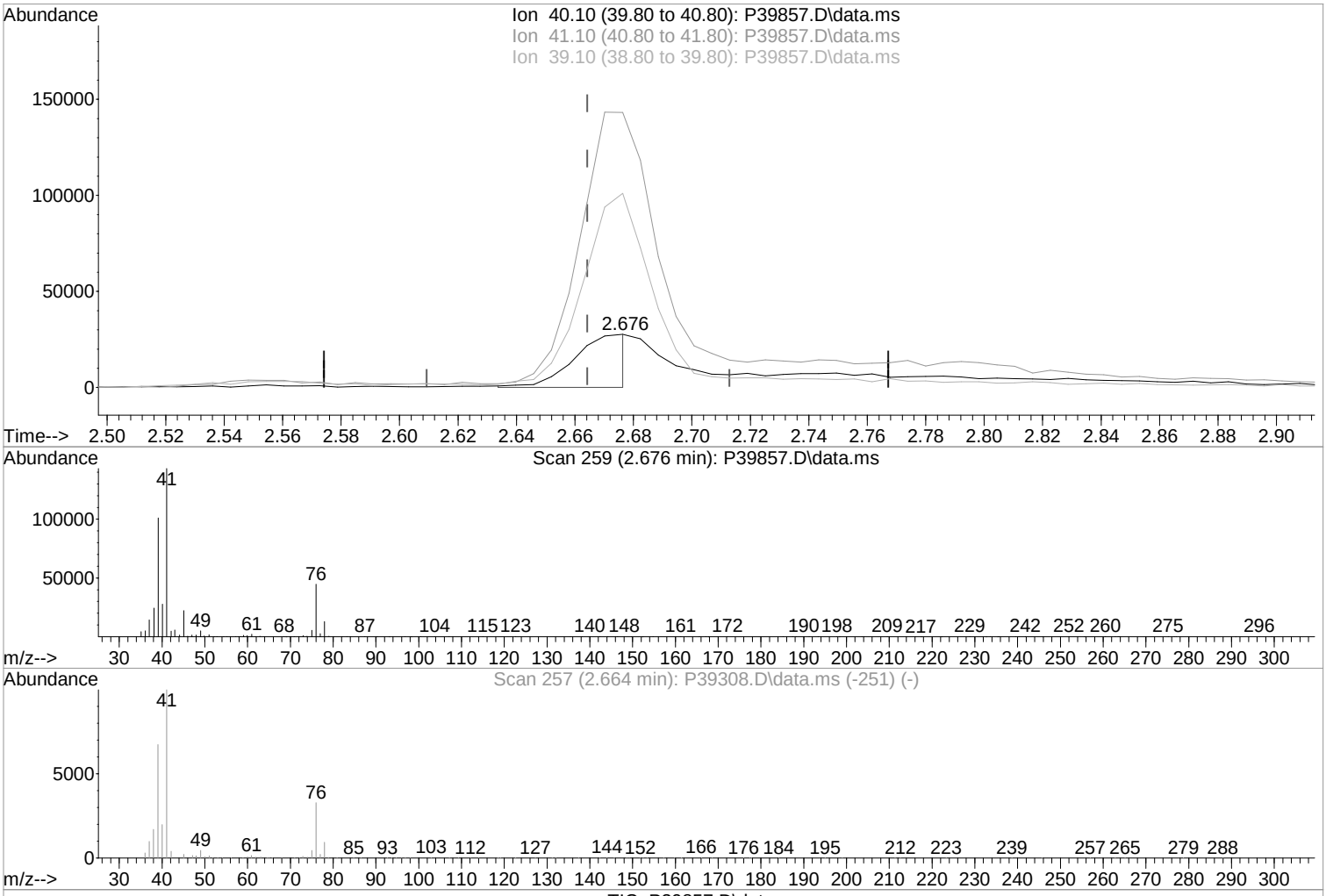
09/21/20

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

(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

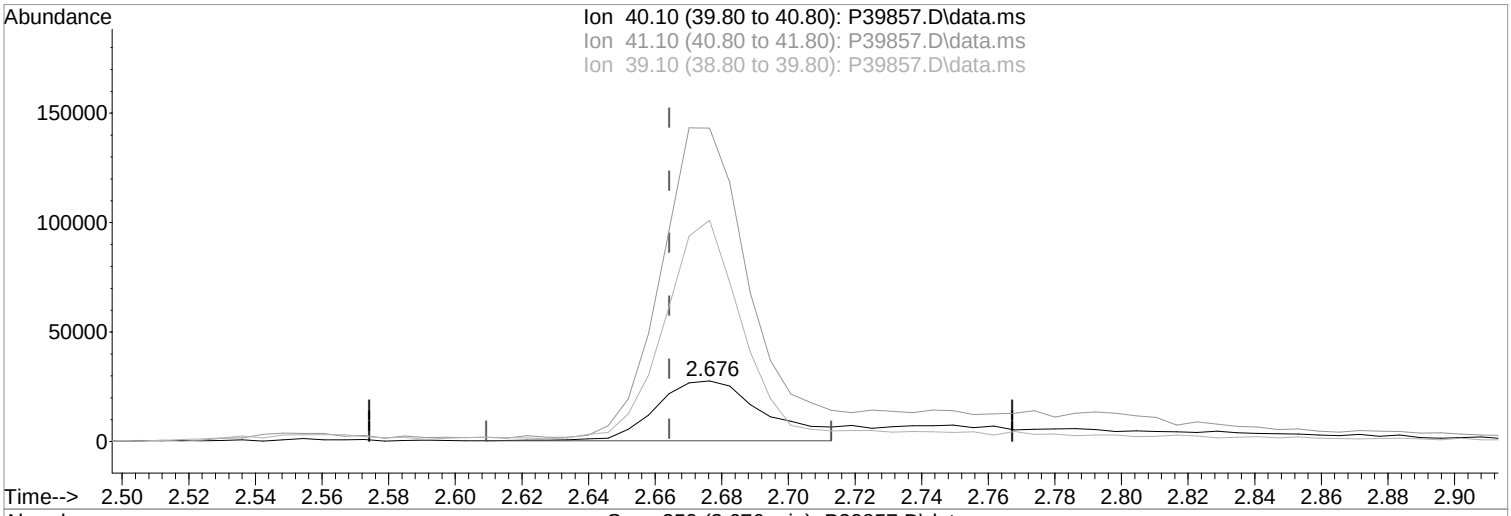
Poor integration.

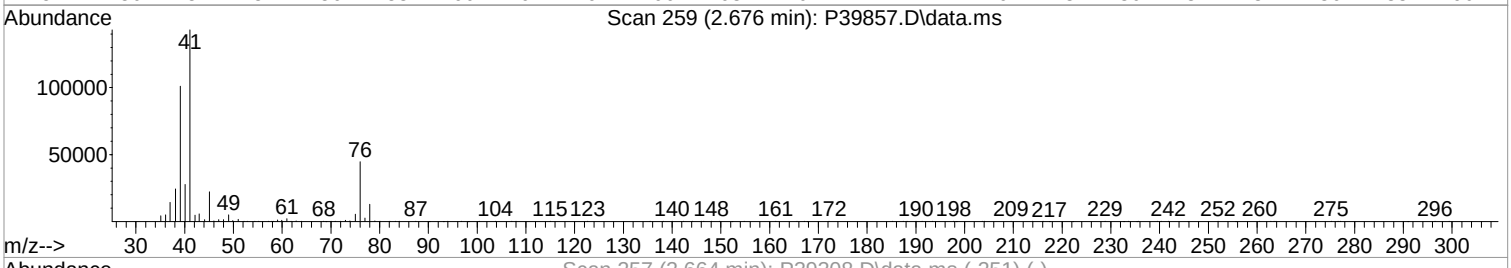
09/21/20

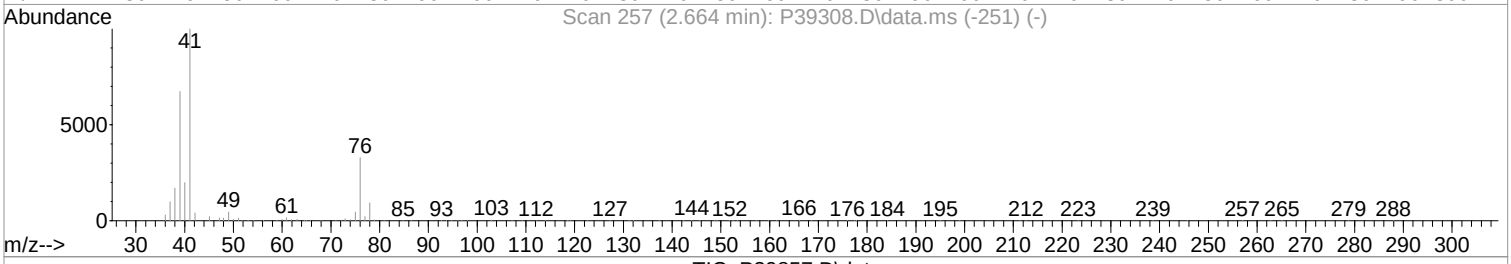
Quantitation Report (Qedit)

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:

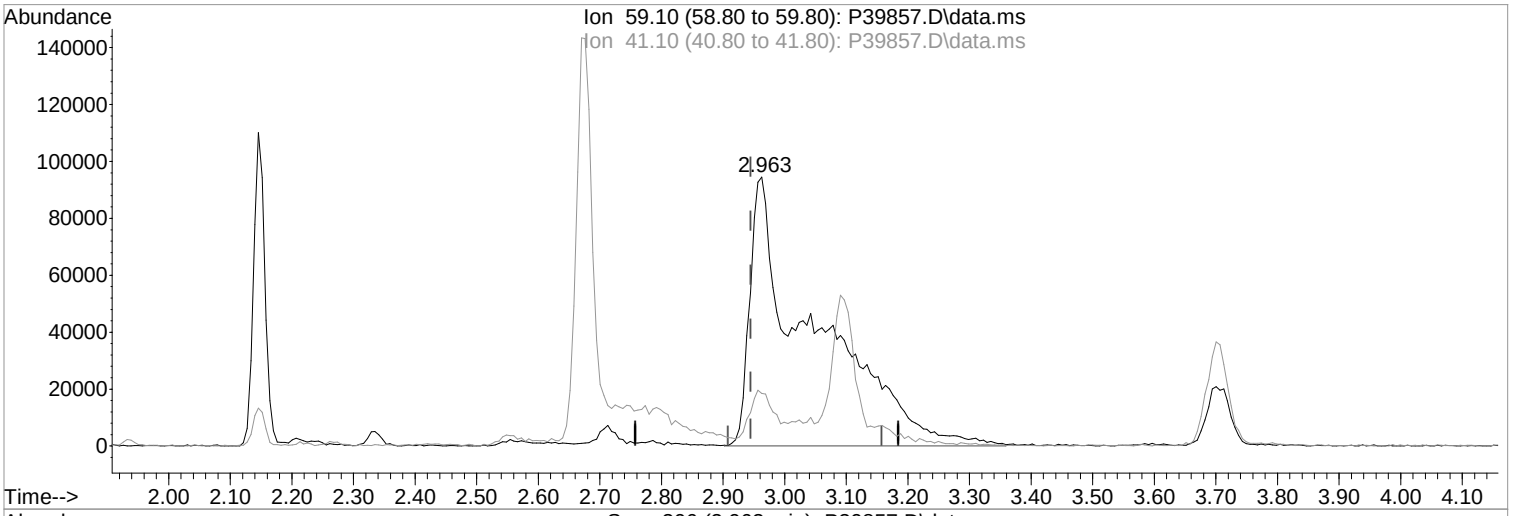
Before

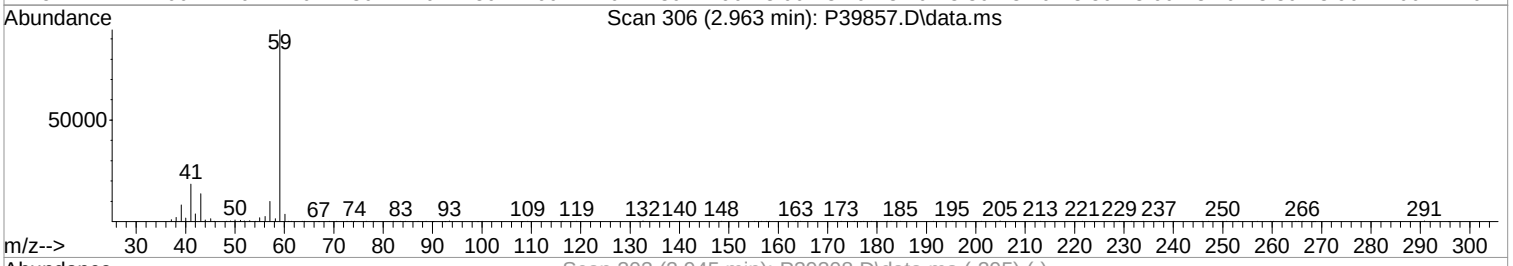
09/21/20

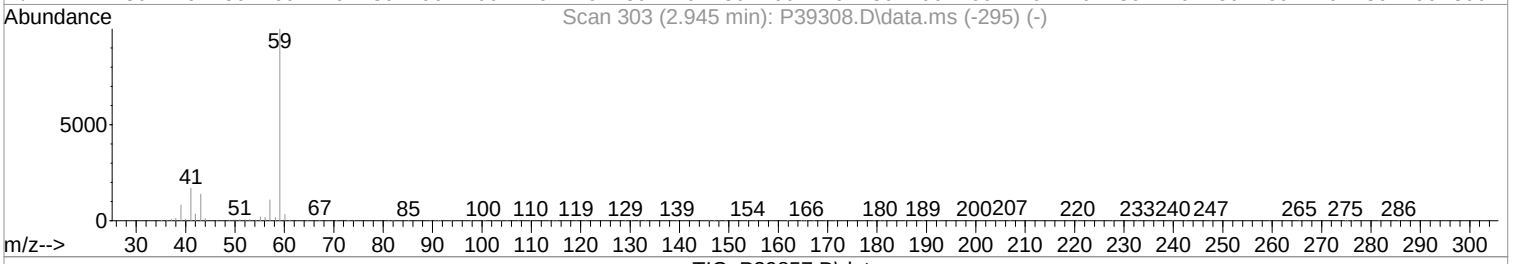
Quantitation Report (Qedit)

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

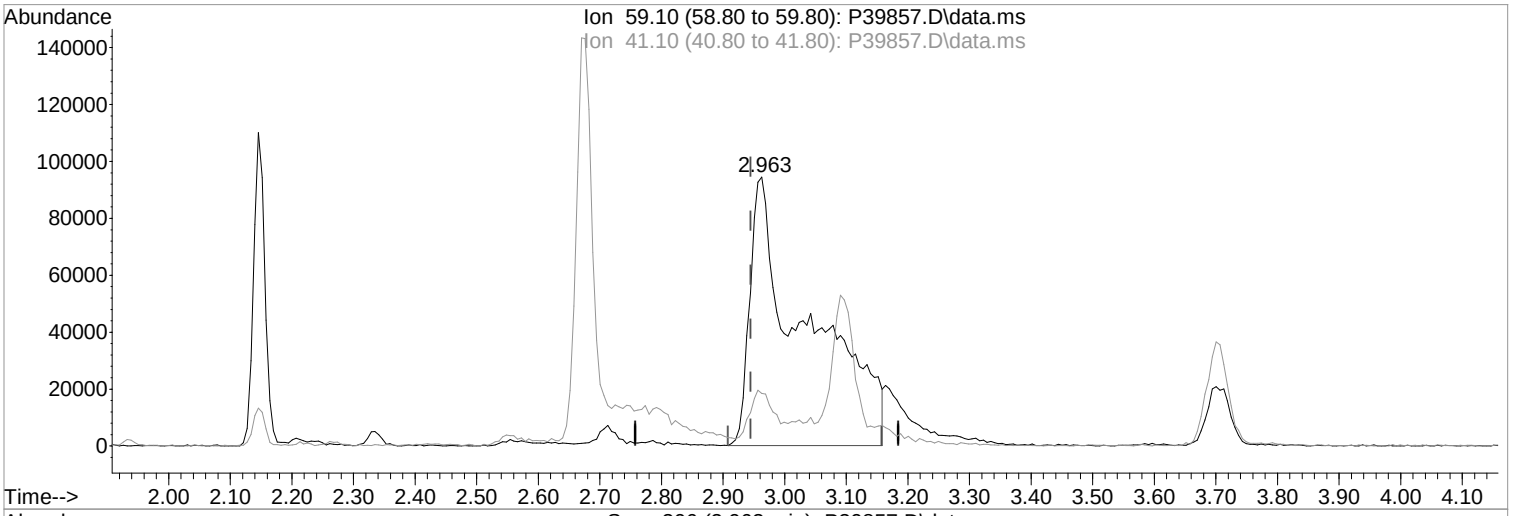
Poor integration.

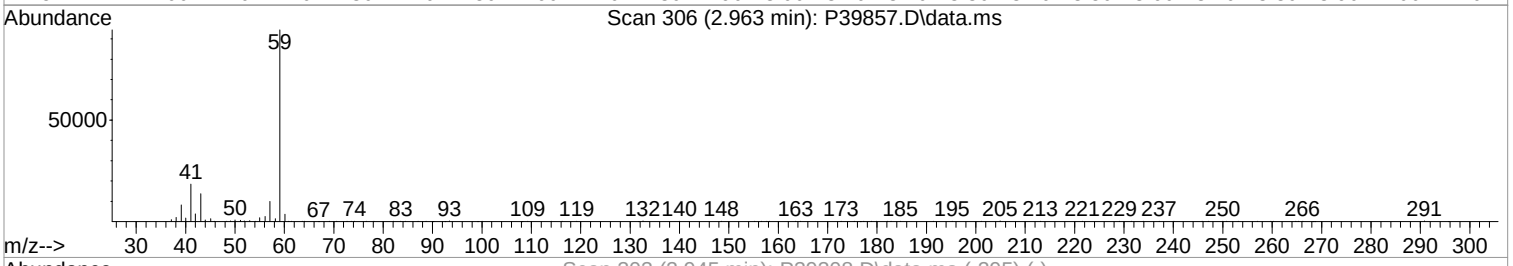
09/21/20

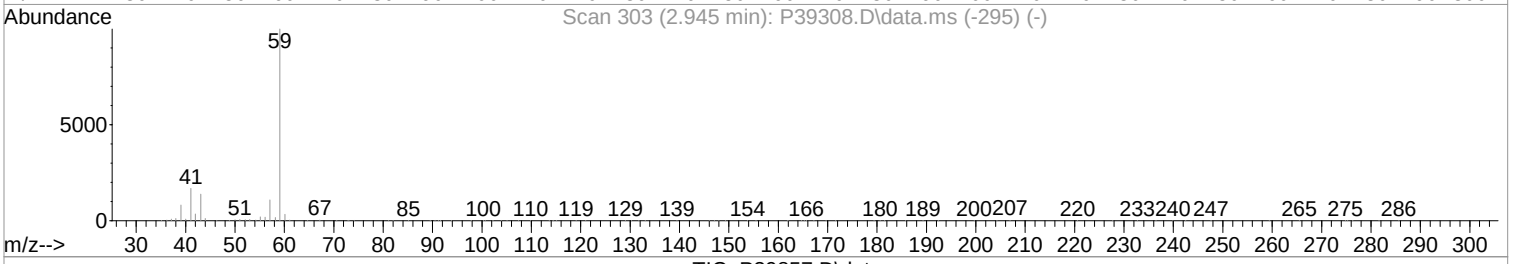
Quantitation Report (Qedit)

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

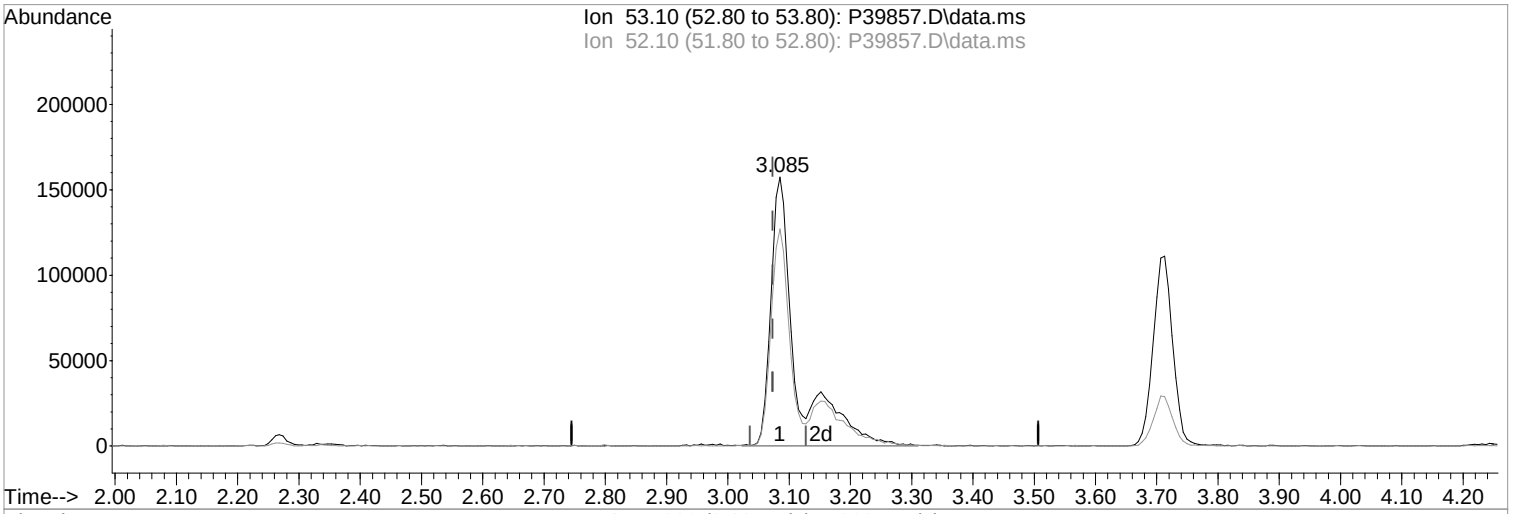
09/21/20

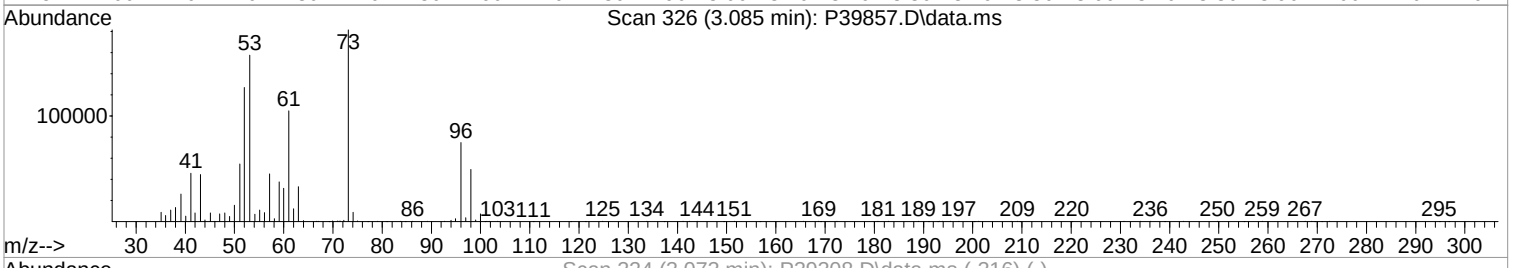
1st 09/21/20
2nd 09/24/20

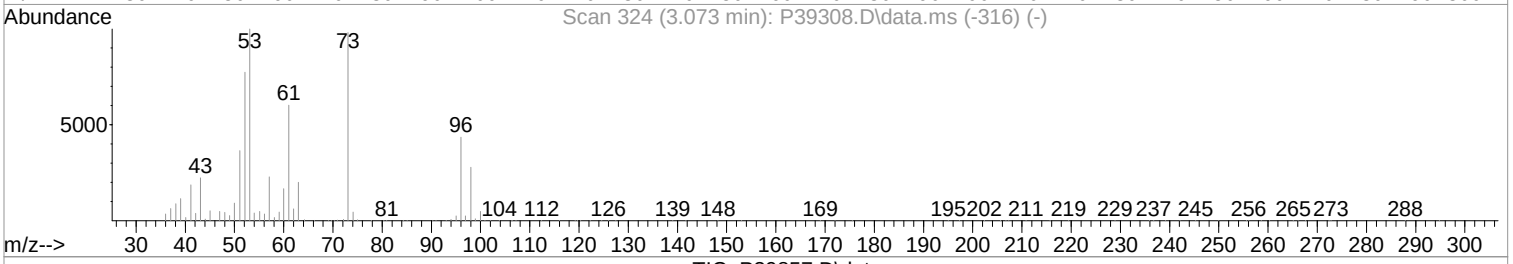
Quantitation Report (Qedit)

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

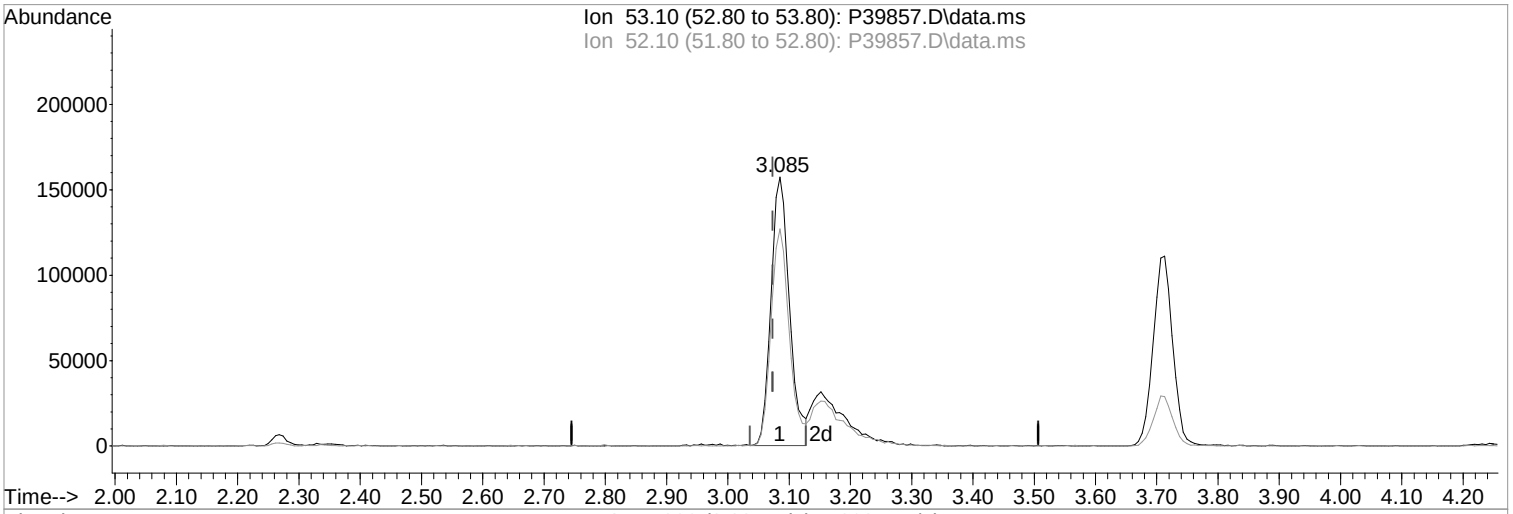
Poor integration.

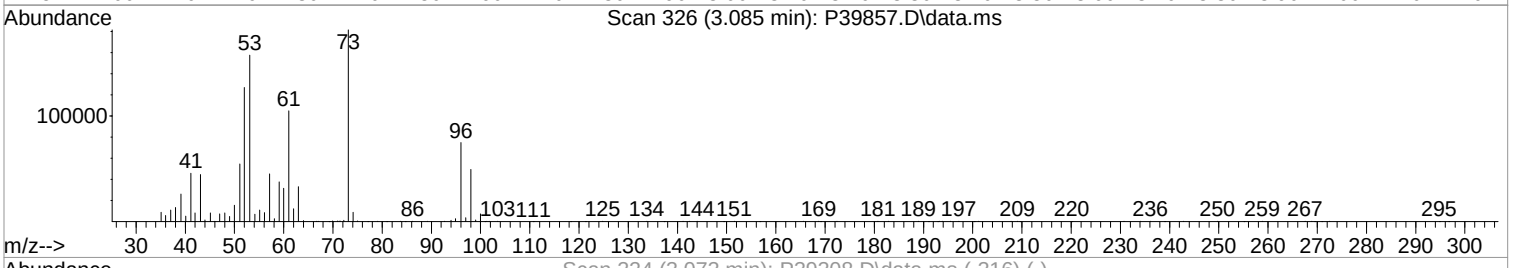
09/21/20

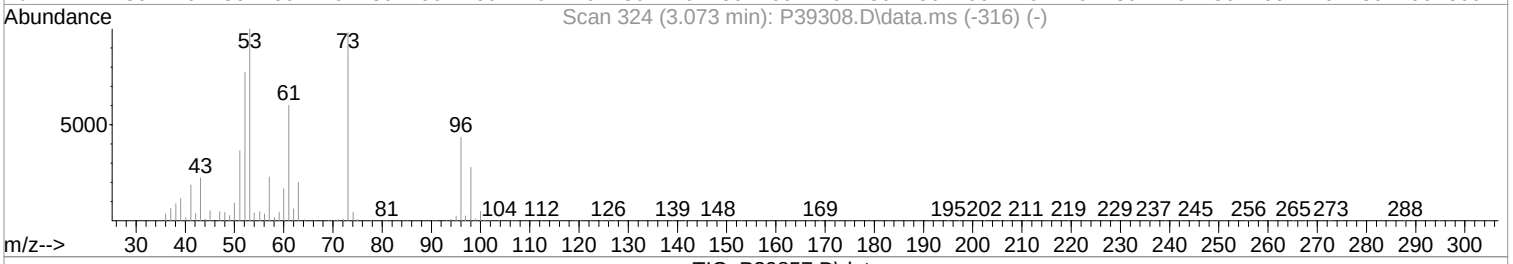
Quantitation Report (Qedit)

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

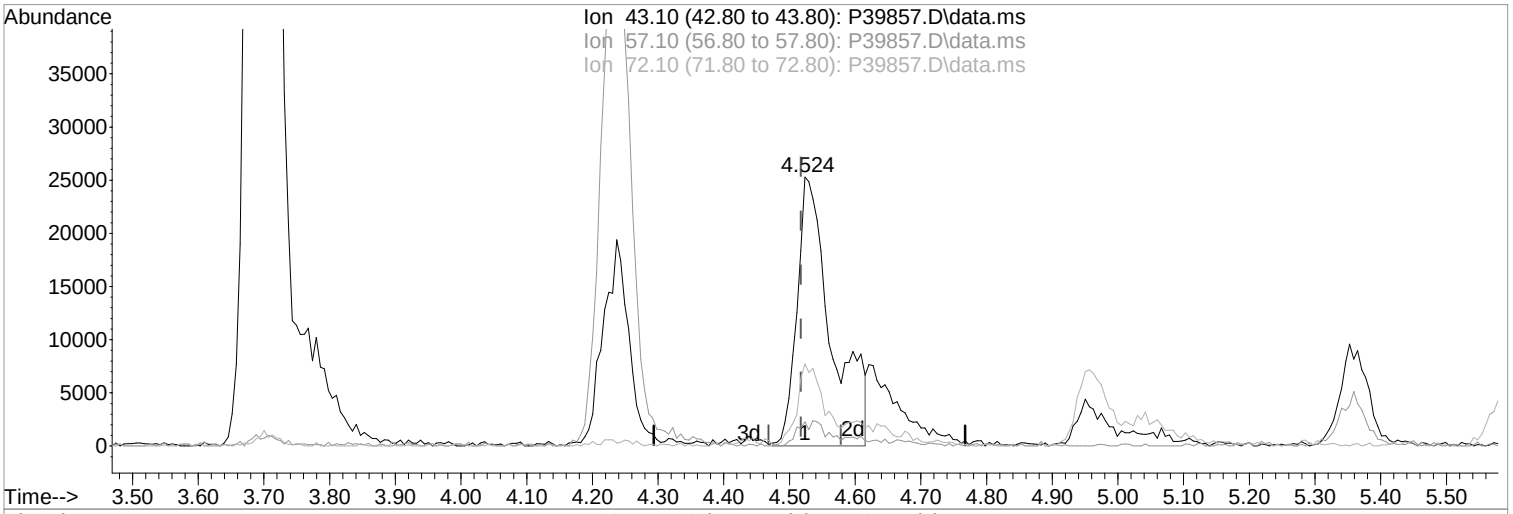
09/21/20

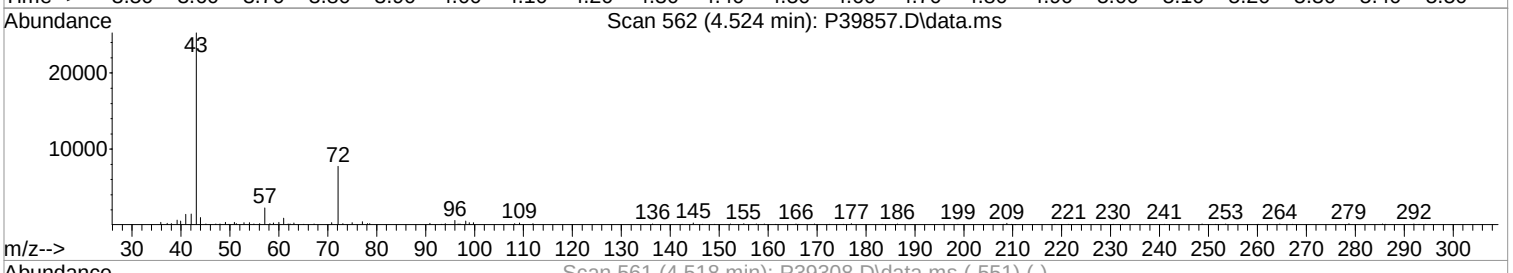
1st 09/21/20
2nd 09/24/20

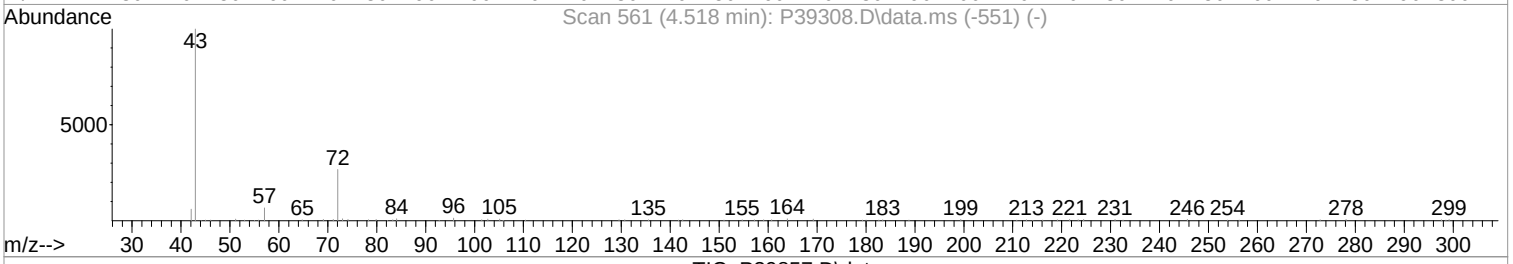
Quantitation Report (Qedit)

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

(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.

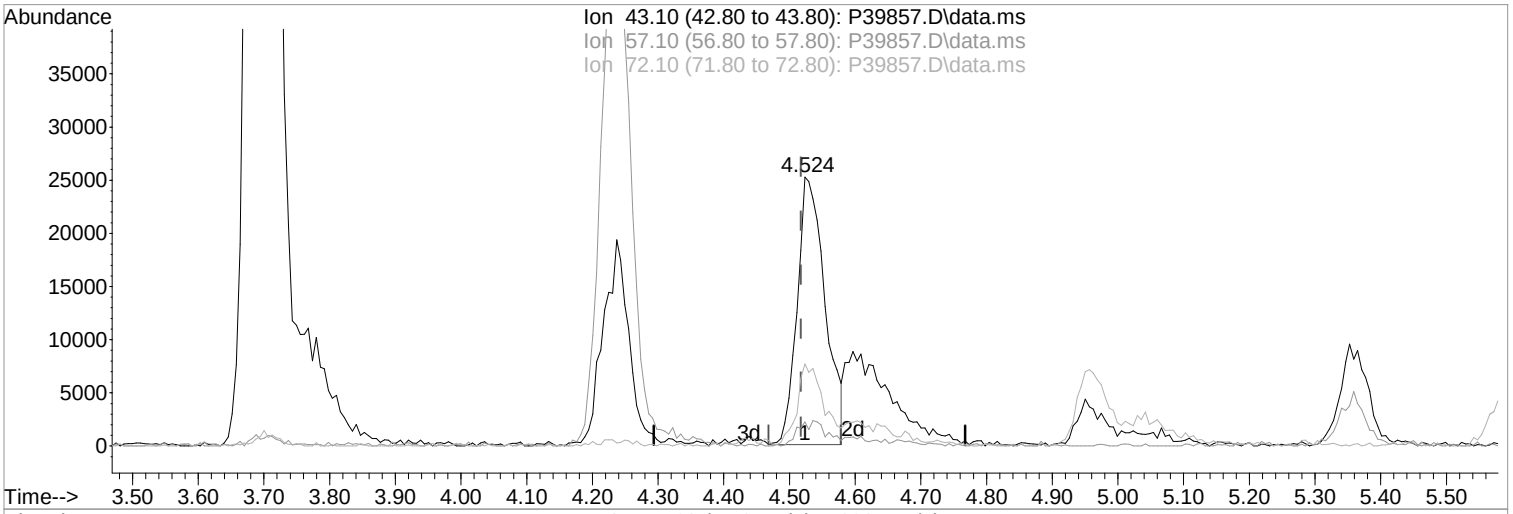
09/21/20

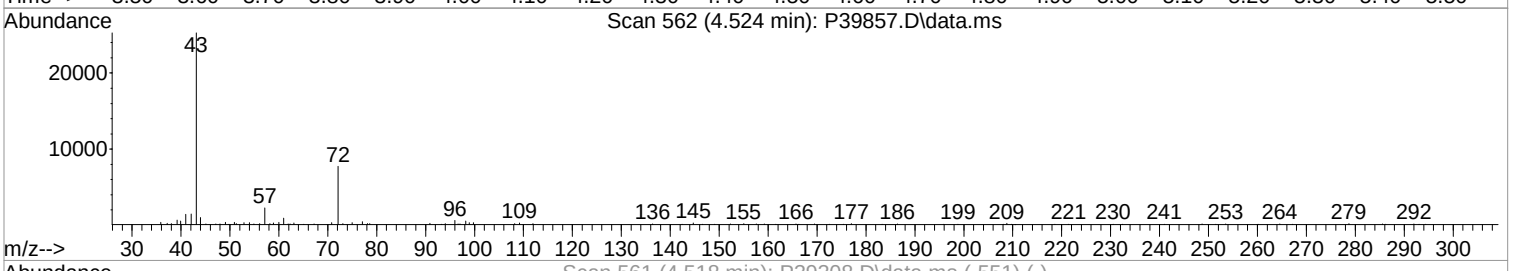
1st 09/21/20
2nd 09/24/20

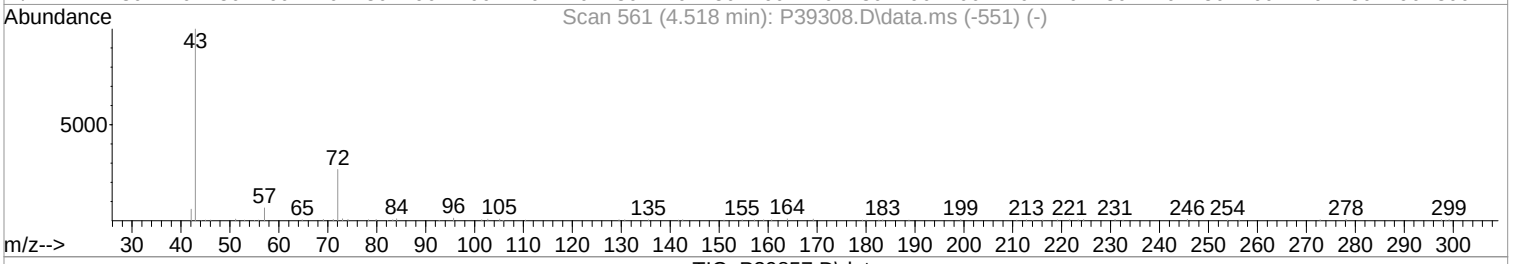
Quantitation Report (Qedit)

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

(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

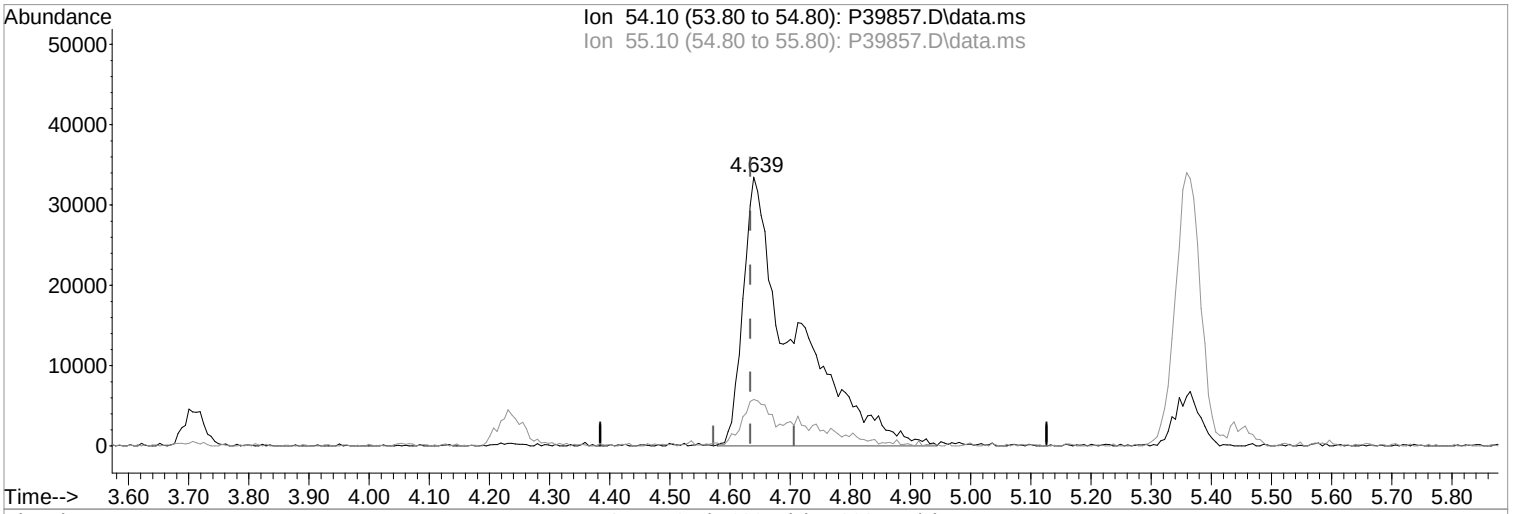
09/21/20

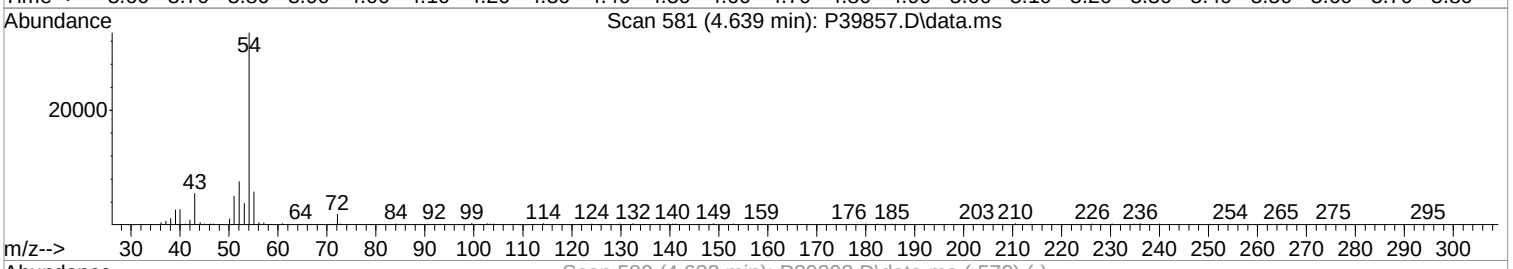
1st 09/21/20
2nd 09/24/20

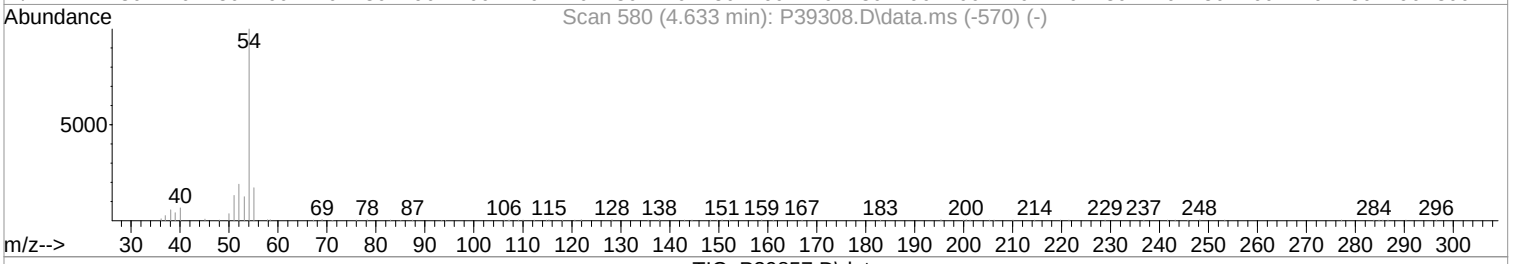
Quantitation Report (Qedit)

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

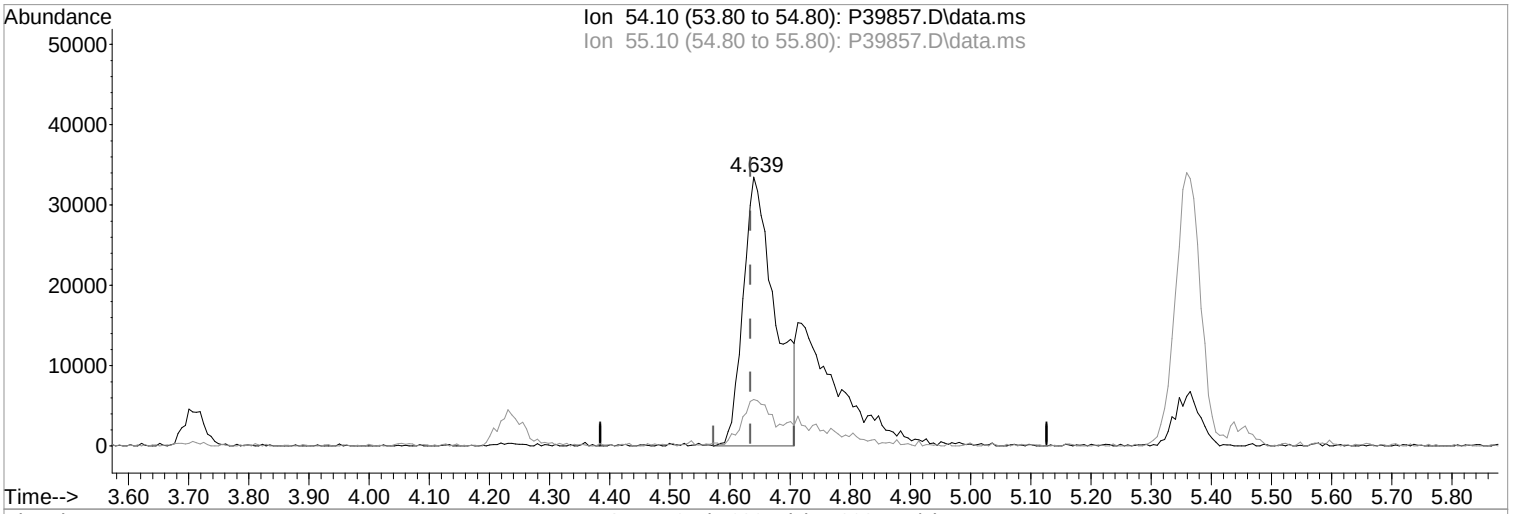
09/21/20

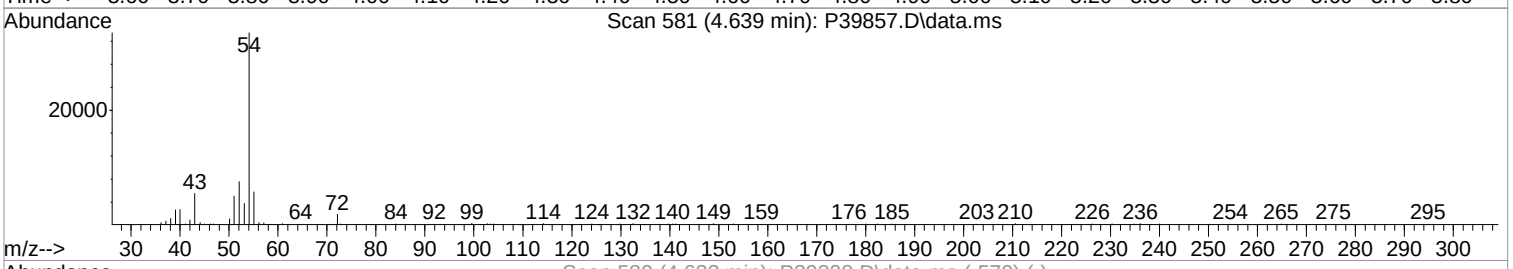
1st 09/21/20
2nd 09/24/20

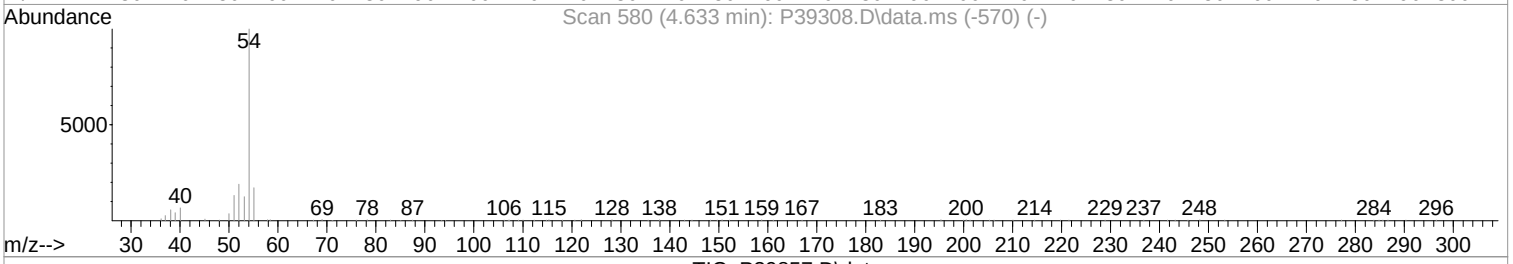
Quantitation Report (Qedit)

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) 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

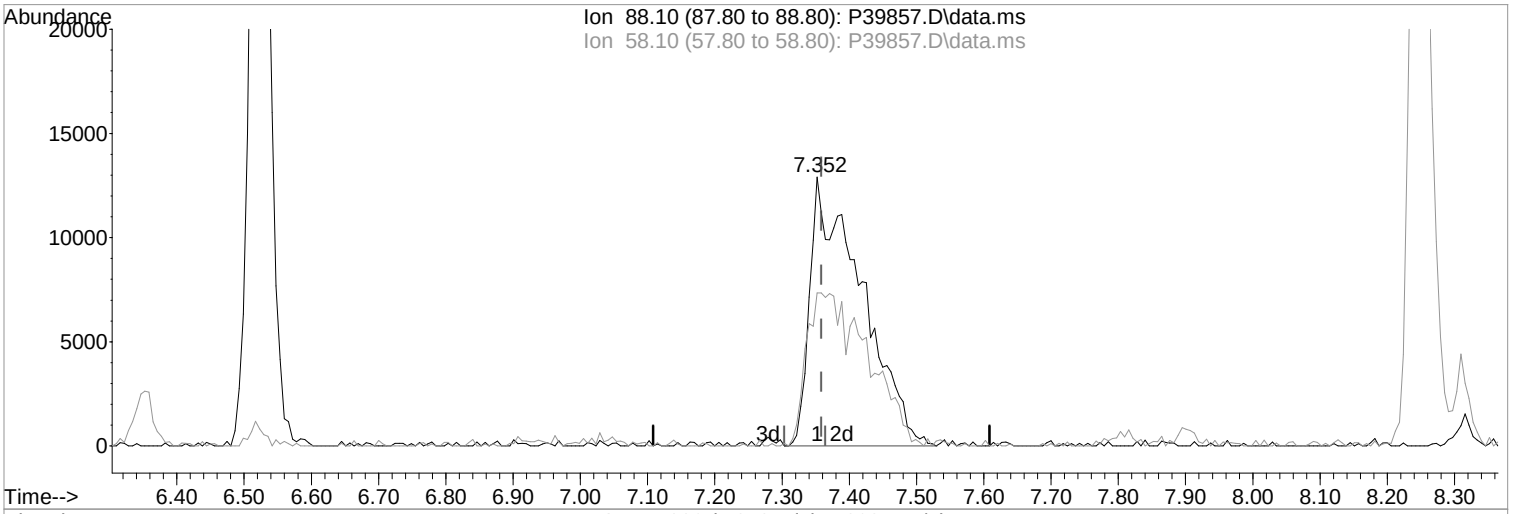
09/21/20

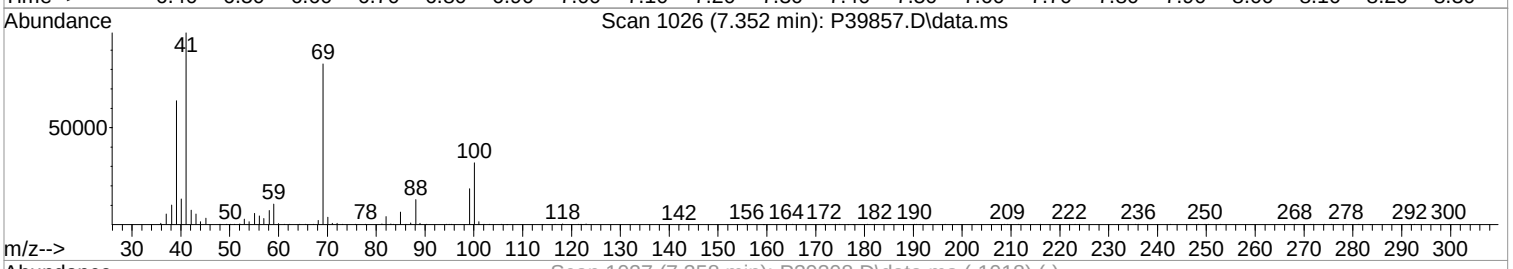
1st 09/21/20
2nd 09/24/20

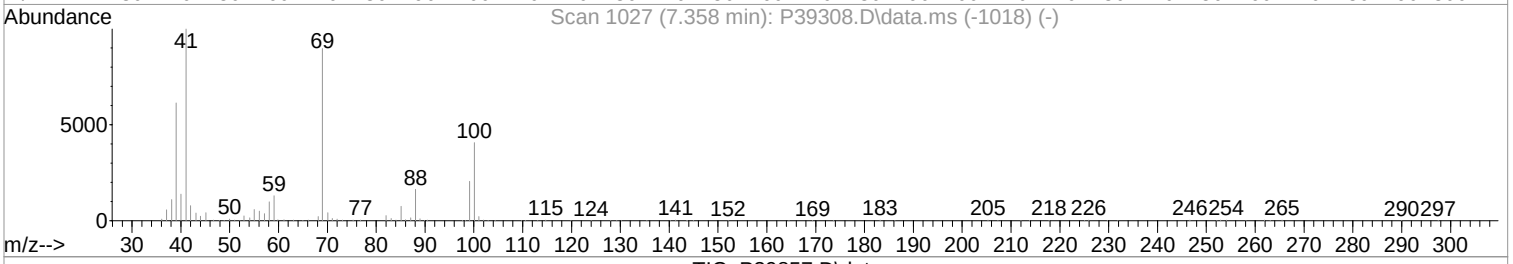
Quantitation Report (Qedit)

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.

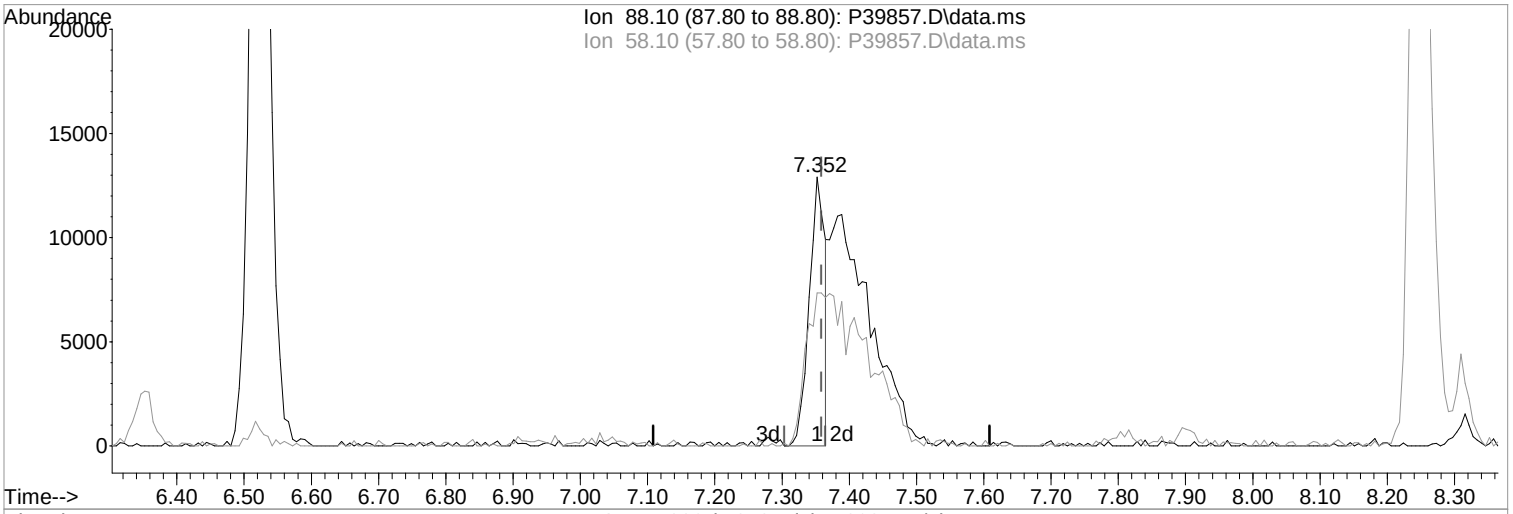
09/21/20

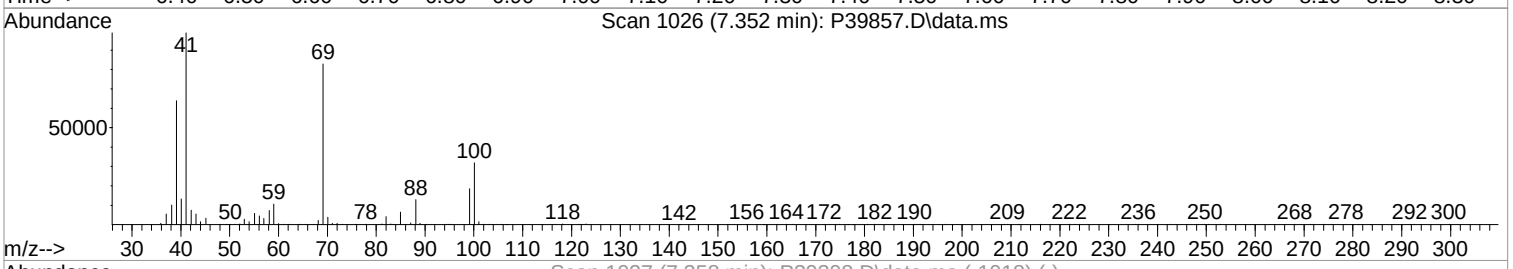
1st 09/21/20
2nd 09/24/20

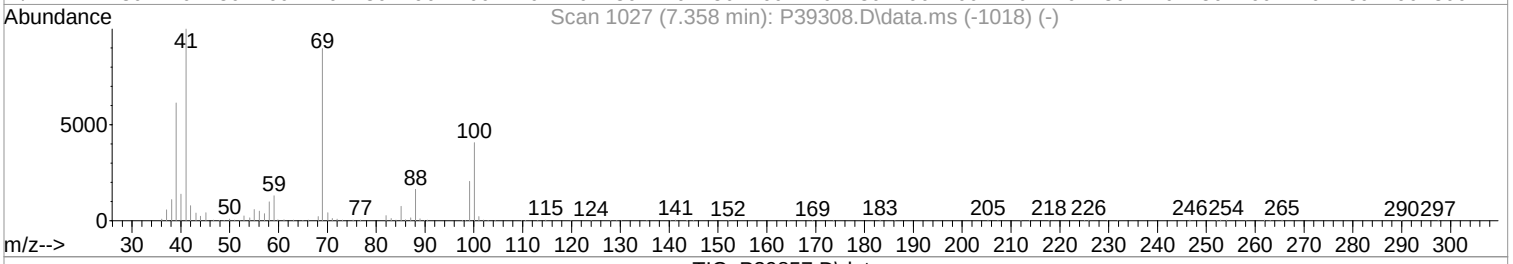
Quantitation Report (Qedit)

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) 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

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

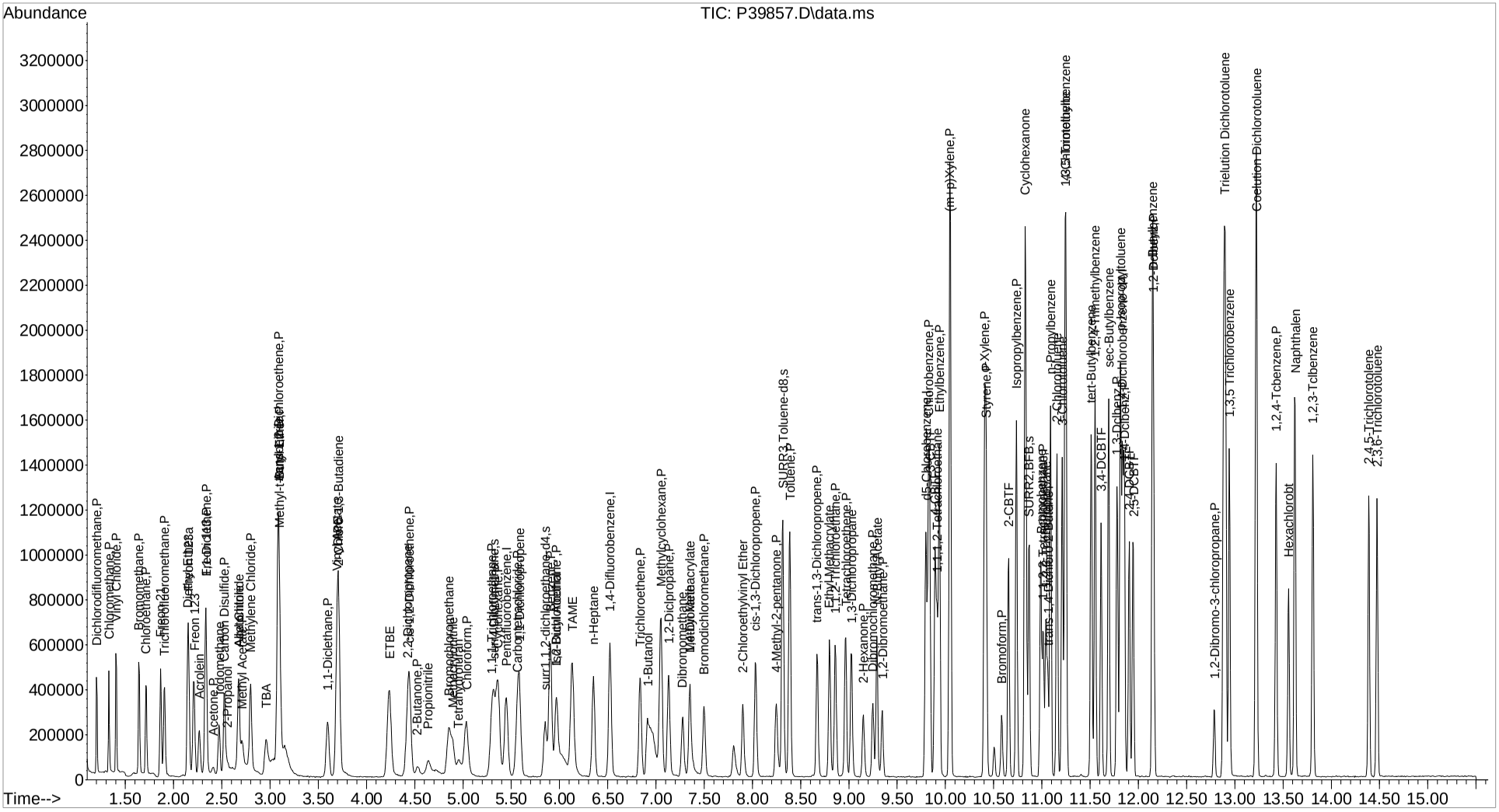
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

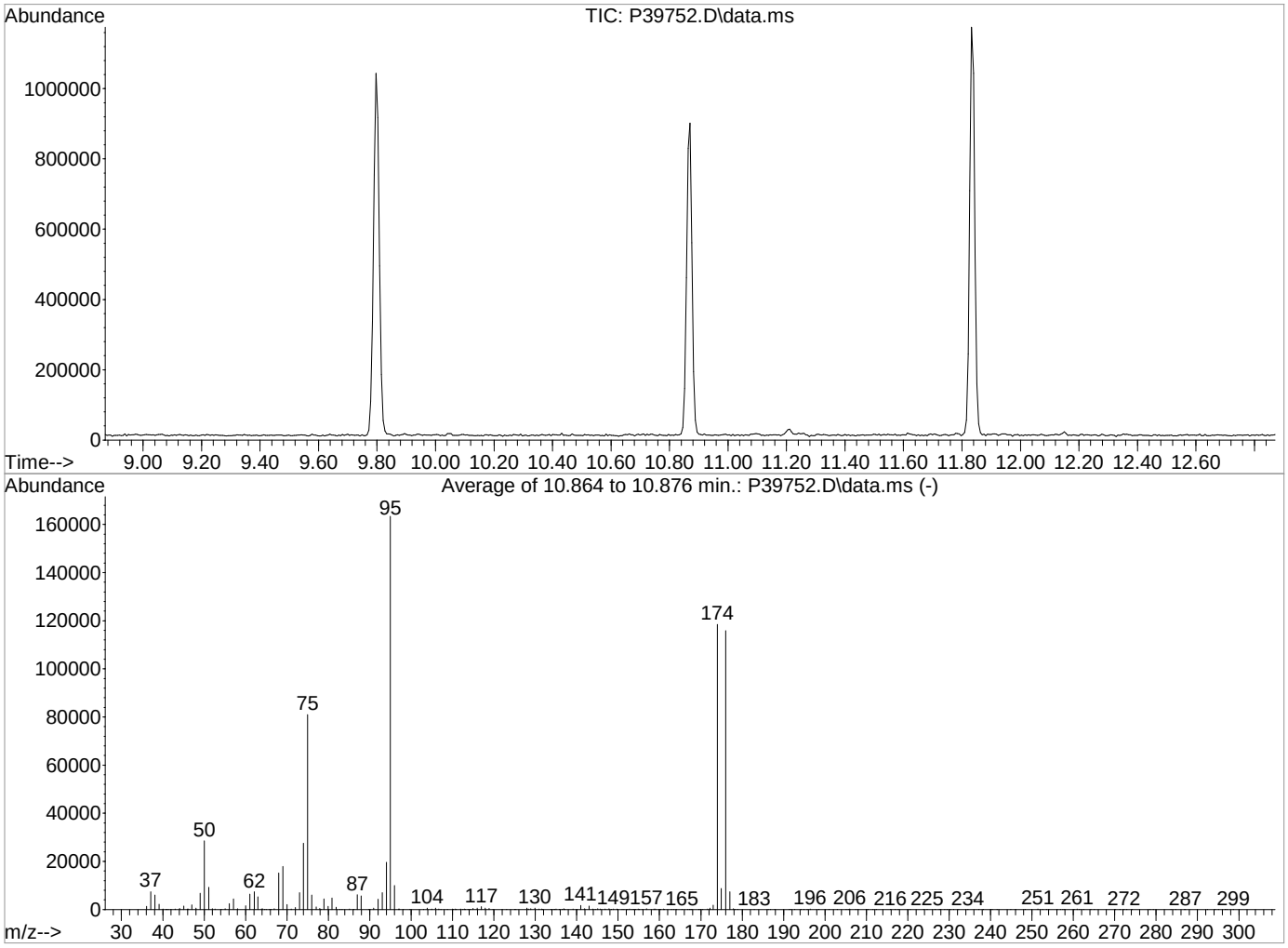


1st 09/18/20
2nd 09/22/20

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

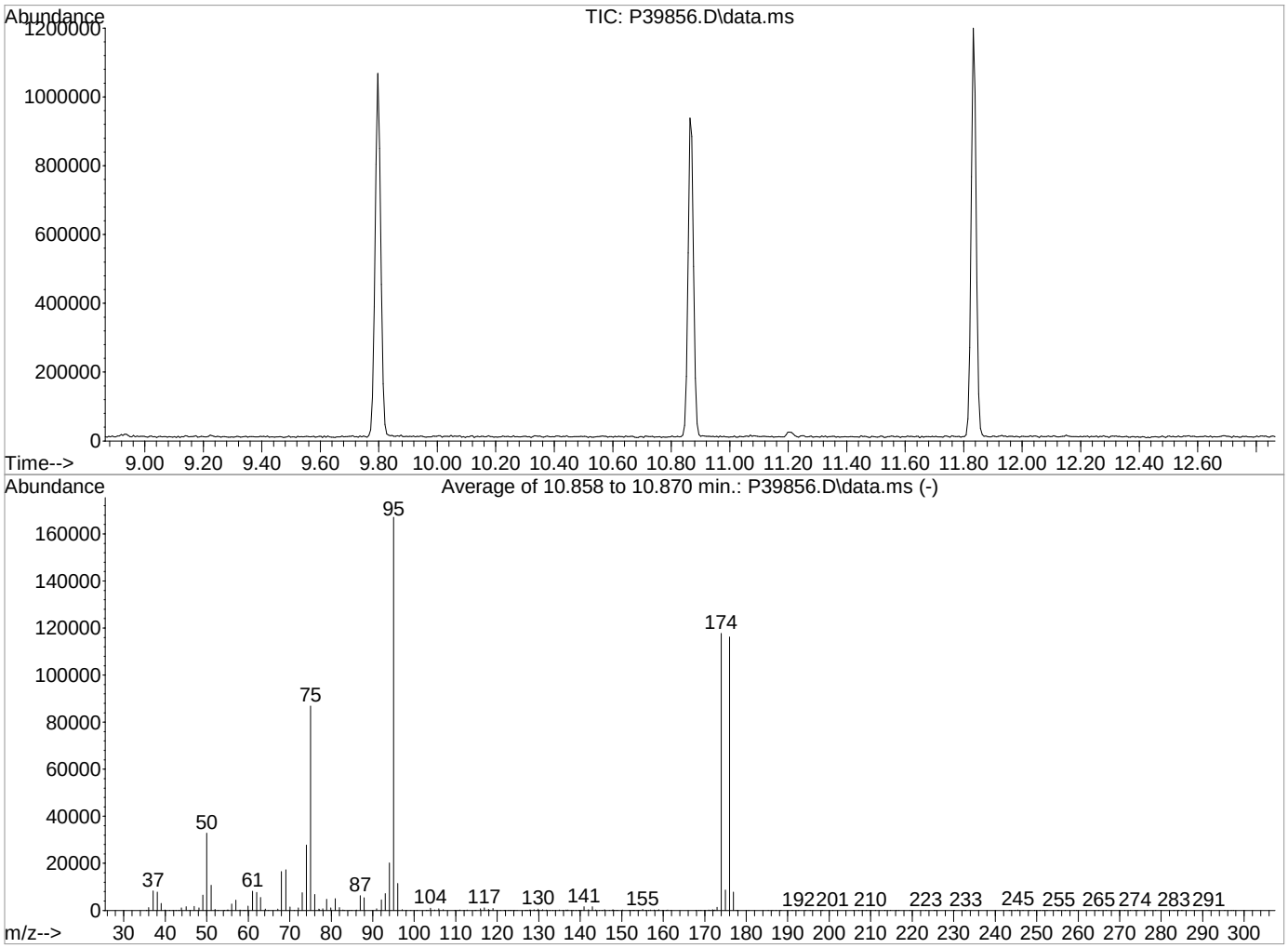
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	28487	PASS
75	95	30	60	49.6	81029	PASS
95	95	100	100	100.0	163443	PASS
96	95	5	9	6.1	9964	PASS
173	174	0.00	2	1.5	1792	PASS
174	95	50	120	72.5	118416	PASS
175	174	5	9	7.4	8754	PASS
176	174	95	101	97.8	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 + 202106 | 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	BLK	(5ppm)	500ppm	SUSD	FV					P39296	YR	
2	0.5ppb	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	↓ (50) KR	—	—	—						P39307	—	(Y) (KR)
13	↓ (50) (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 DUL → 1.0mlMeOH
Primary Hsx : 212279 = 5ppm
Primary

200 Secondary Fr+ : 211981 -12.5uL
500 Secondary Occ+ : 211504
Secondary TG : 212050 5uL
Secondary Hsx : 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

1st 09/05/20
2nd 09/05/20

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

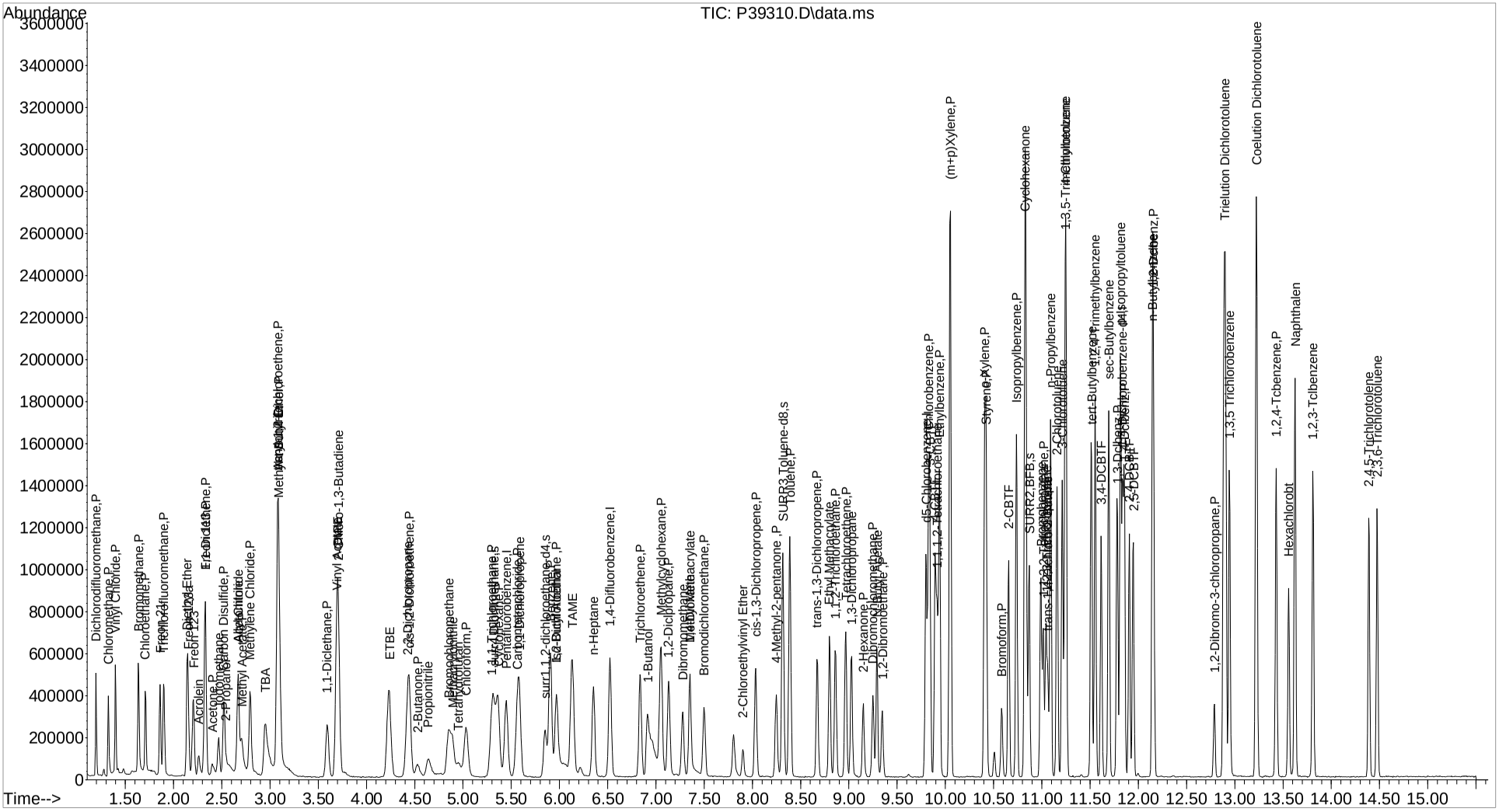
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.858	146	442978	49.59	ppb	99
107) 2,4-DCBTF	11.906	214	209205	55.09	ppb	97
108) 2,5-DCBTF	11.949	214	236613	54.01	ppb	99
109) n-Butylbenzene	12.144	91	732617	53.65	ppb	99
110) 1,2-Dclbenz	12.156	146	433058	49.58	ppb	99
111) 1,2-Dibromo-3-chloropr...	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

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

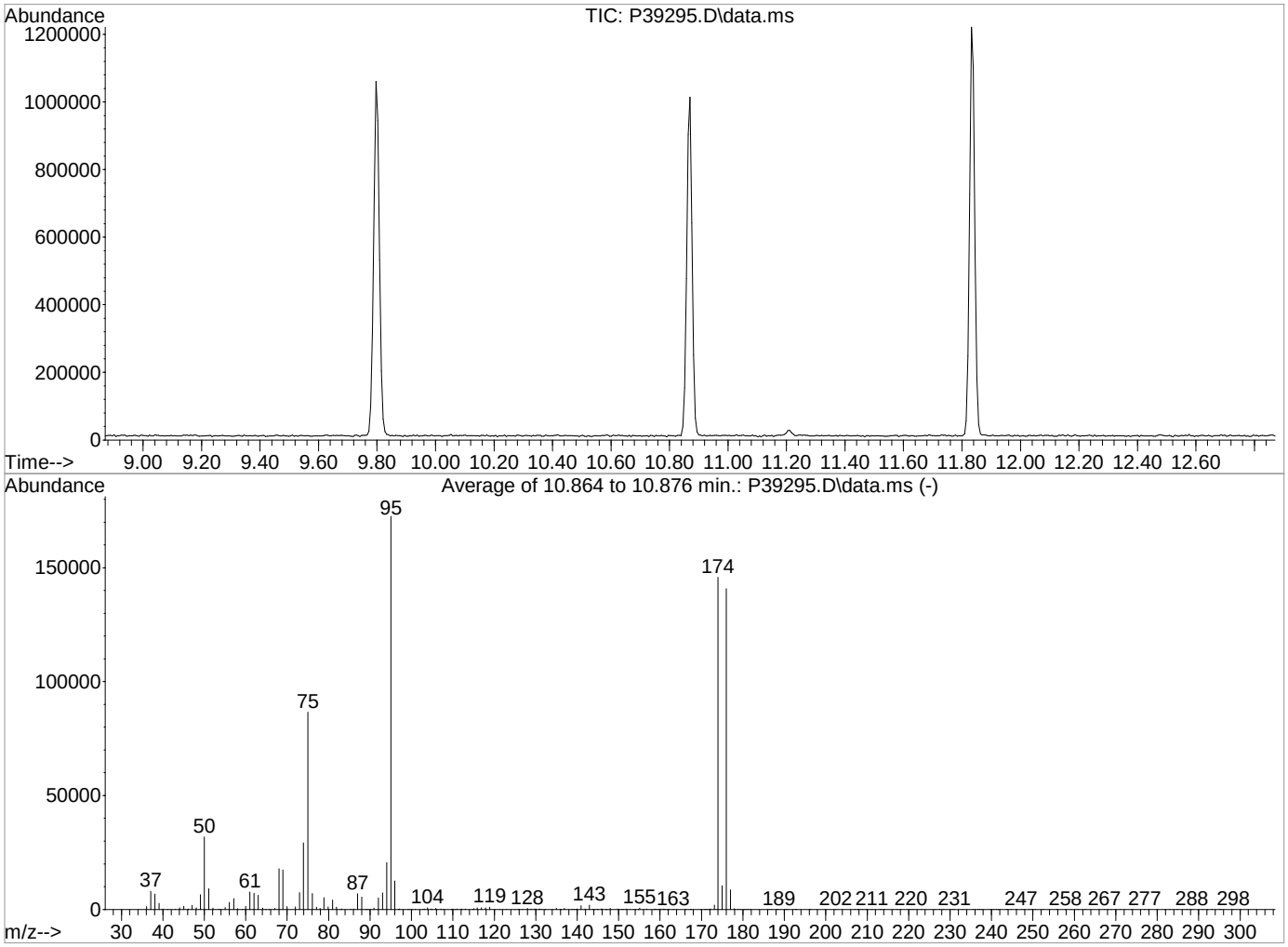


1st 09/05/20
2nd 09/05/20

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

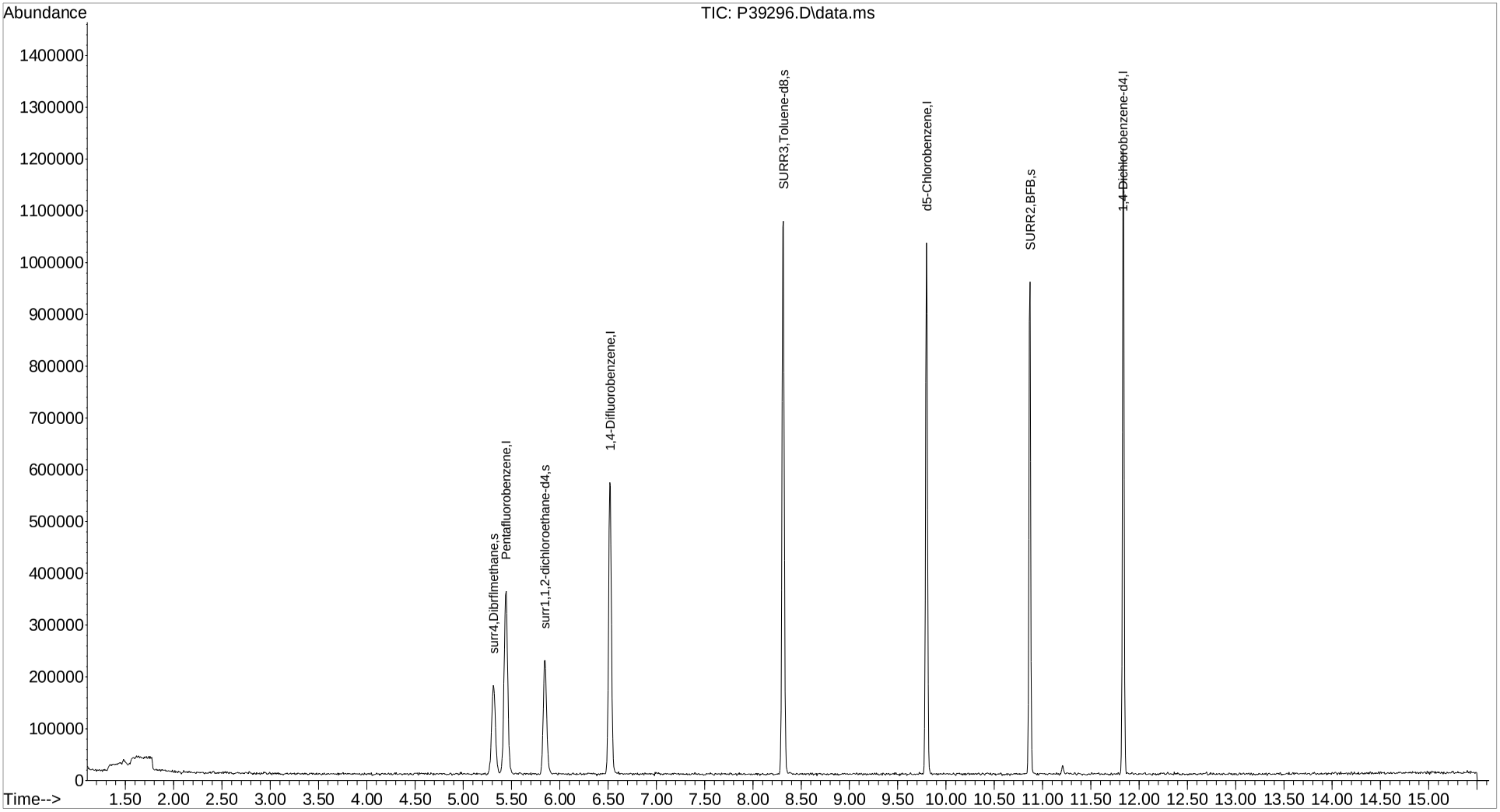
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.444	168	328041	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.517	114	503905	50.00	ppb	0.00
71) d5-Chlorobenzene	9.797	117	464523	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	240045	50.00	ppb	0.00
System 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

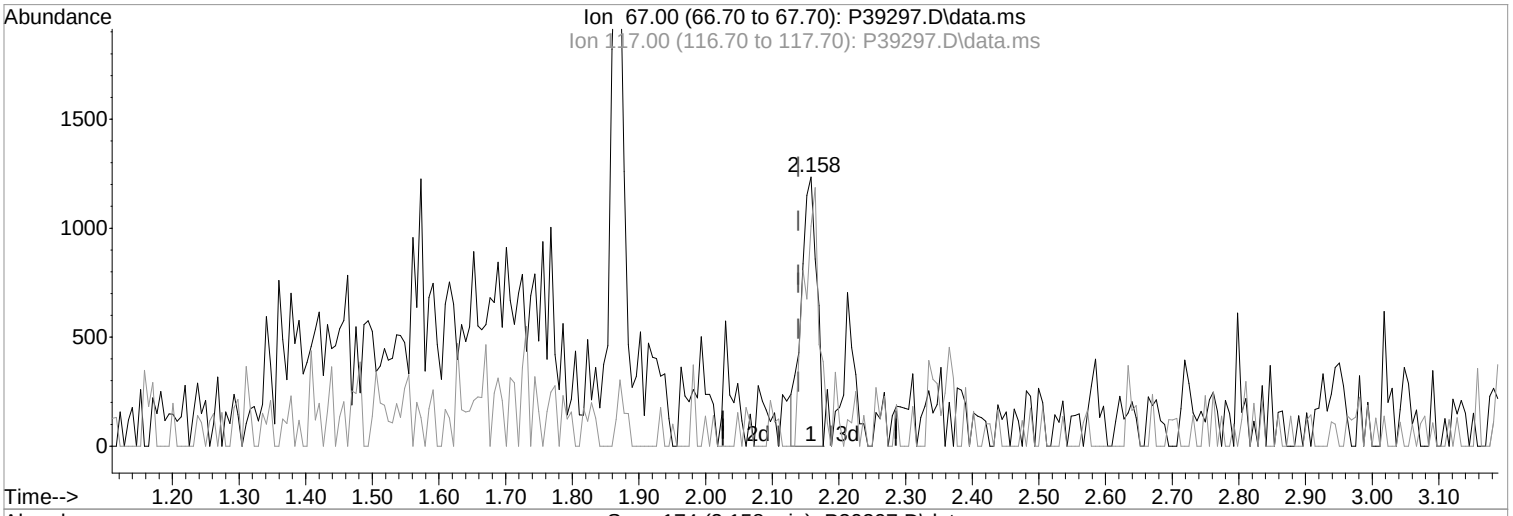


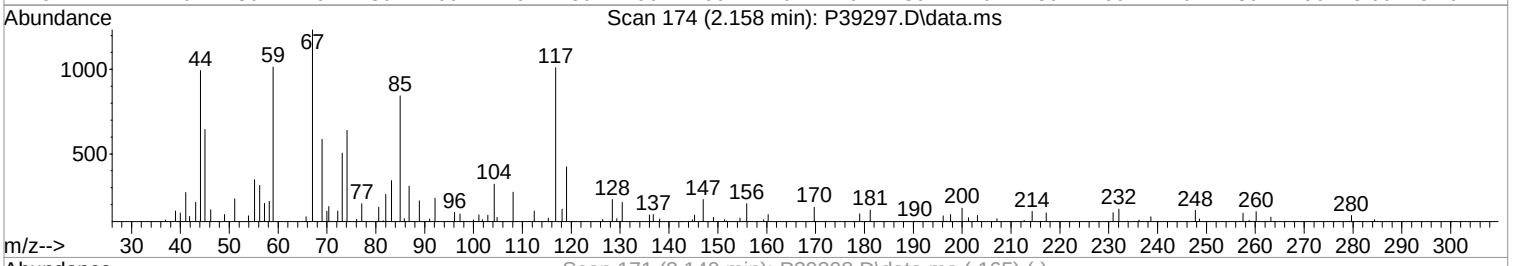
1st 09/05/20
2nd 09/05/20

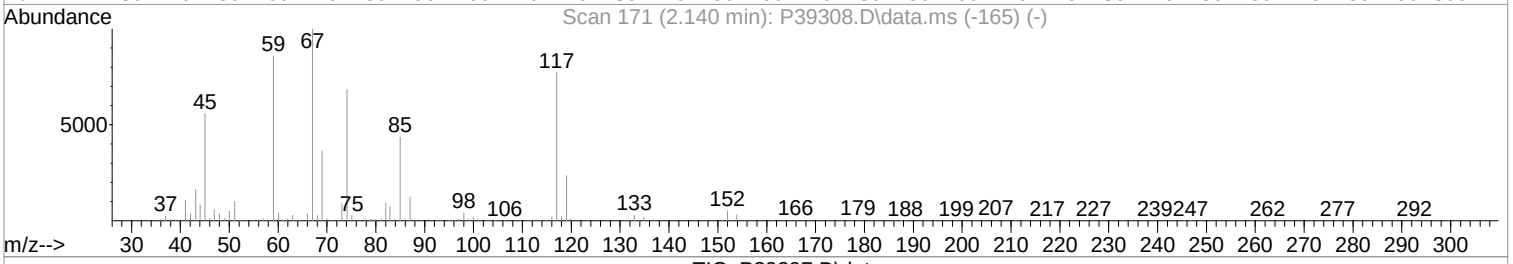
Quantitation Report (Qedit)

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

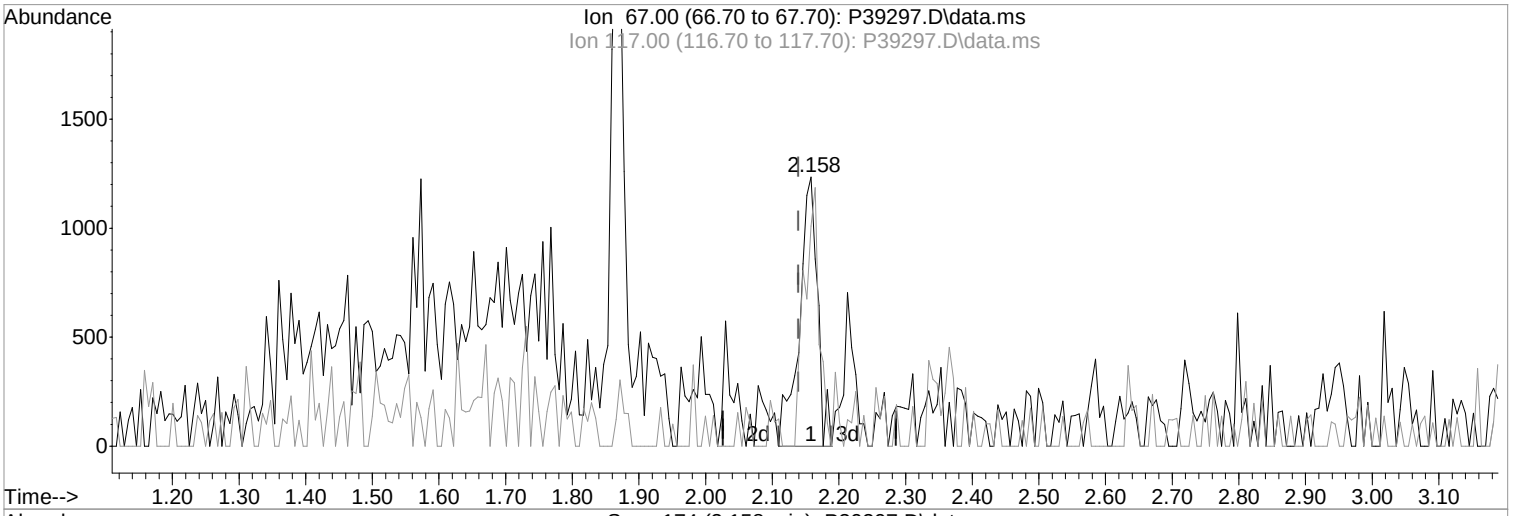
Poor integration.

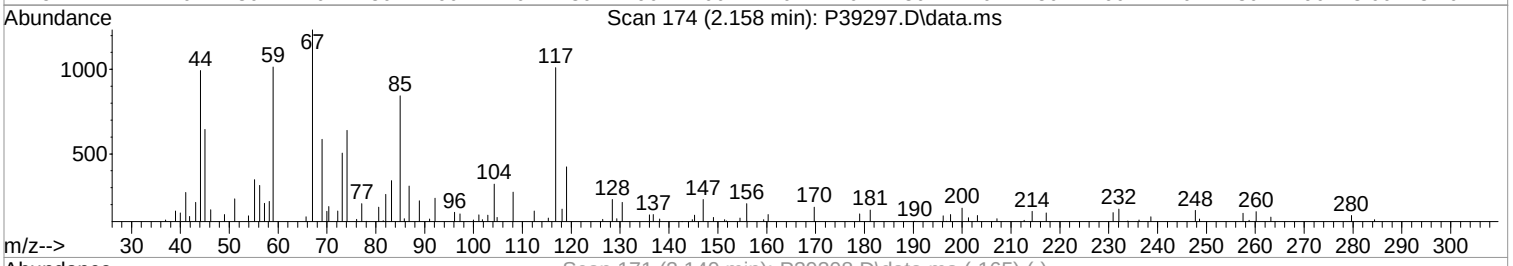
09/04/20

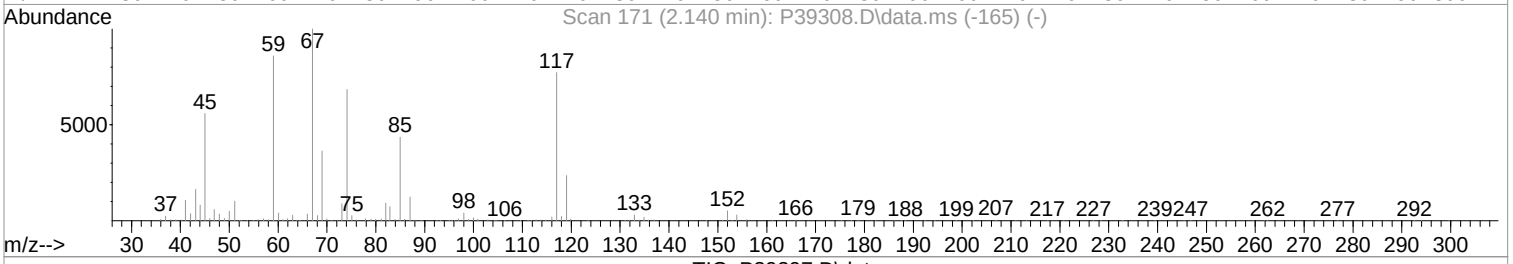
Quantitation Report (Qedit)

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:

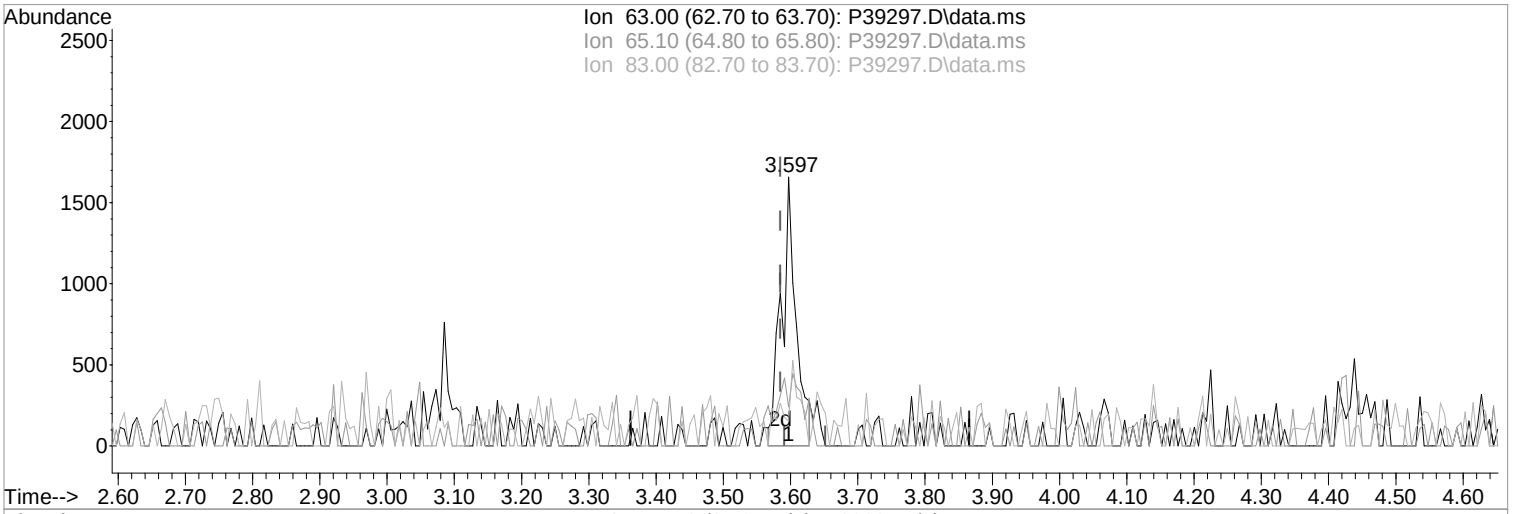
Before

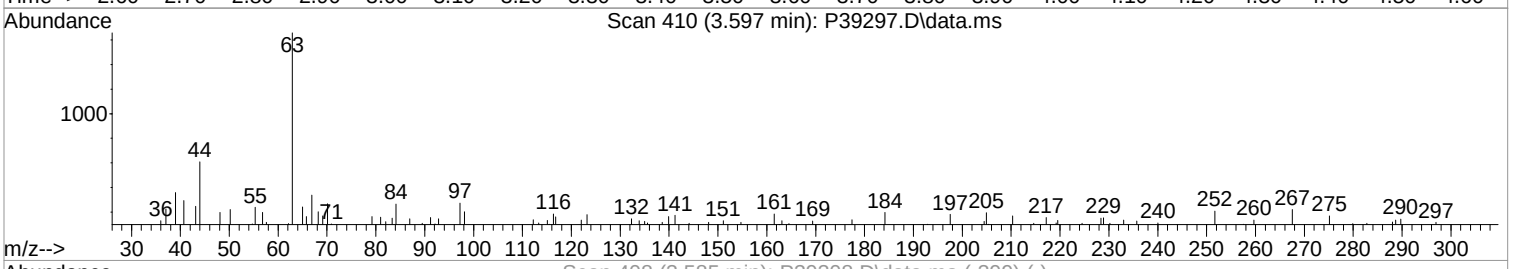
09/04/20

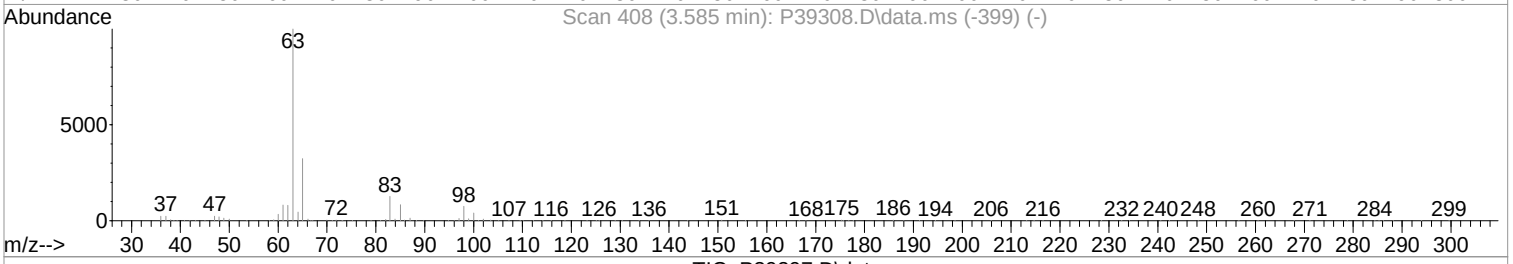
Quantitation Report (Qedit)

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.

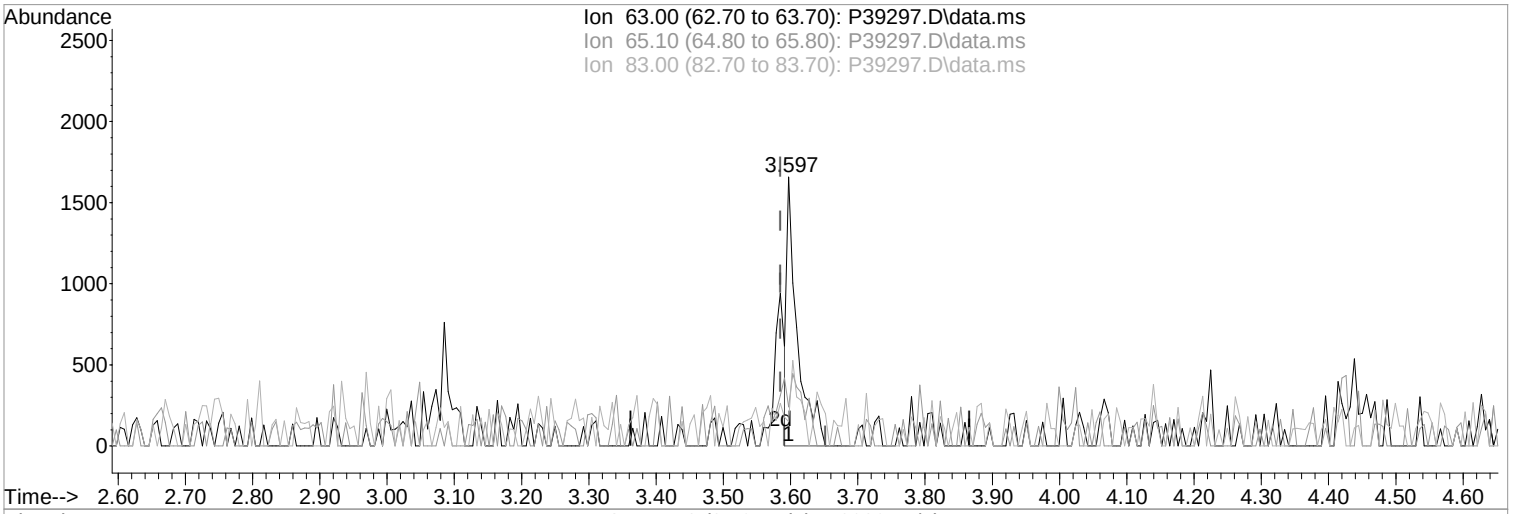
09/04/20

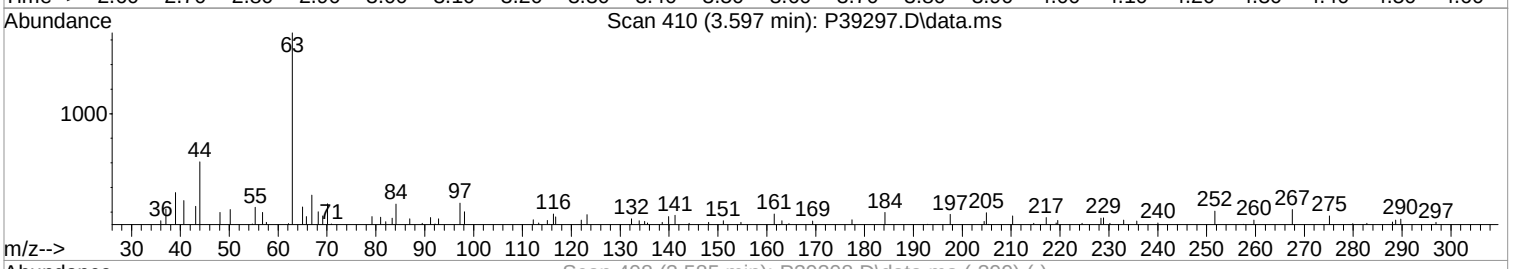
1st 09/05/20
2nd 09/05/20

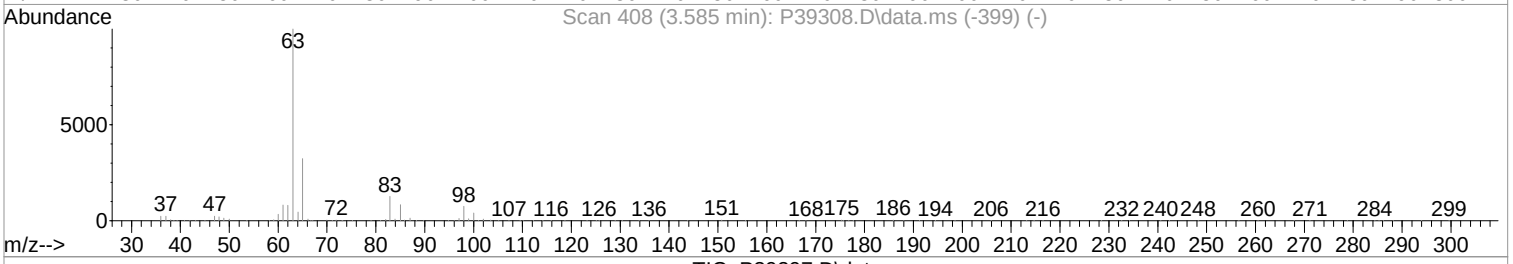
Quantitation Report (Qedit)

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

(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:

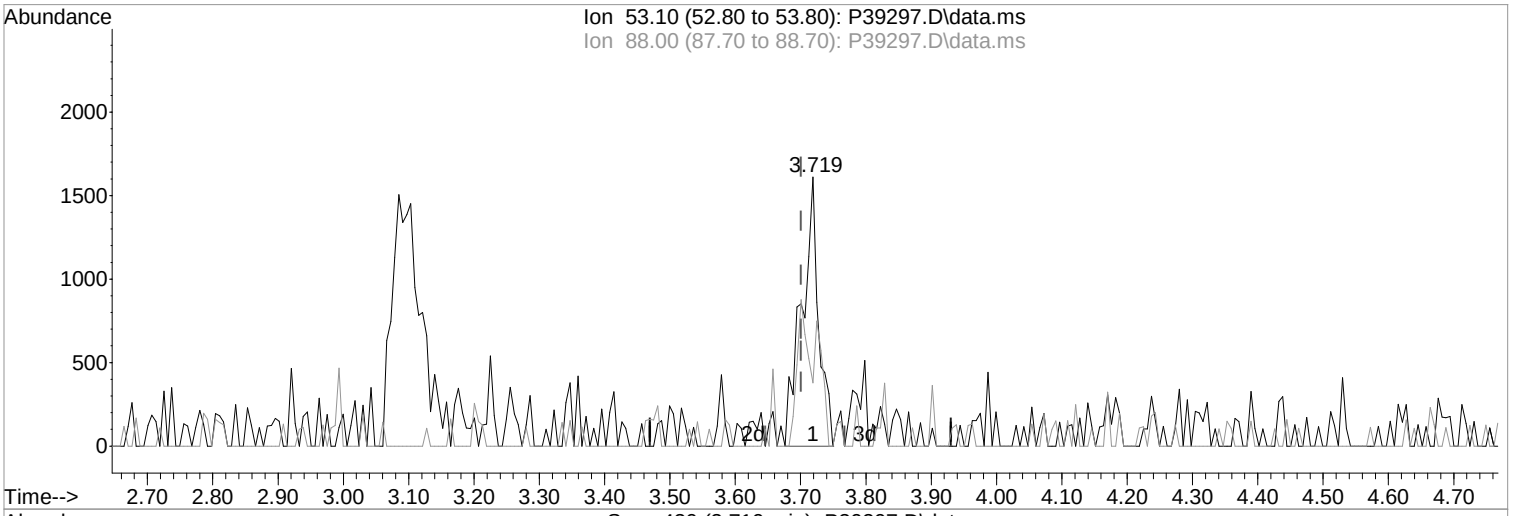
Before

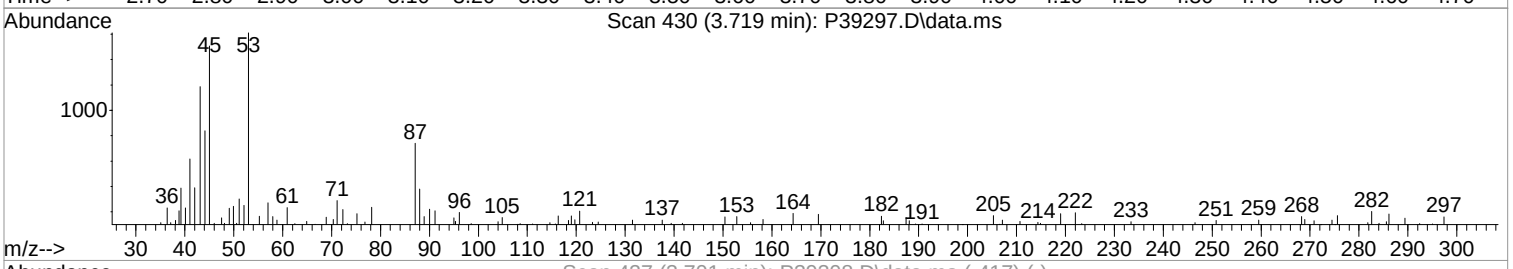
09/04/20

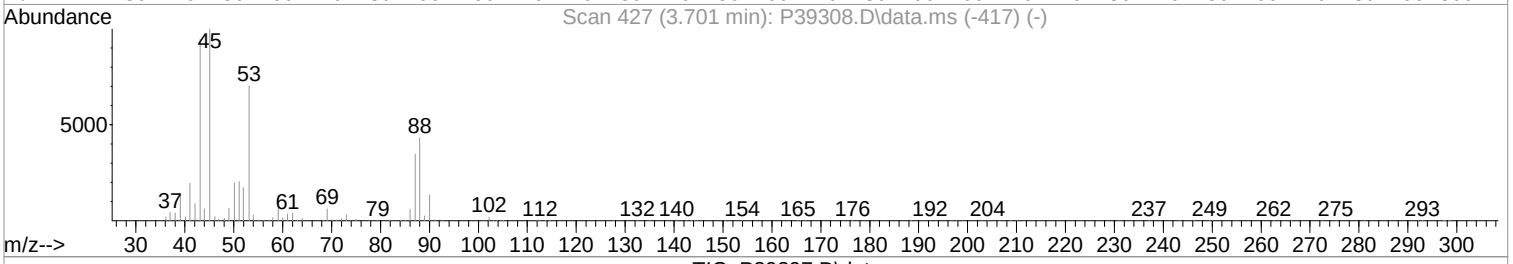
Quantitation Report (Qedit)

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

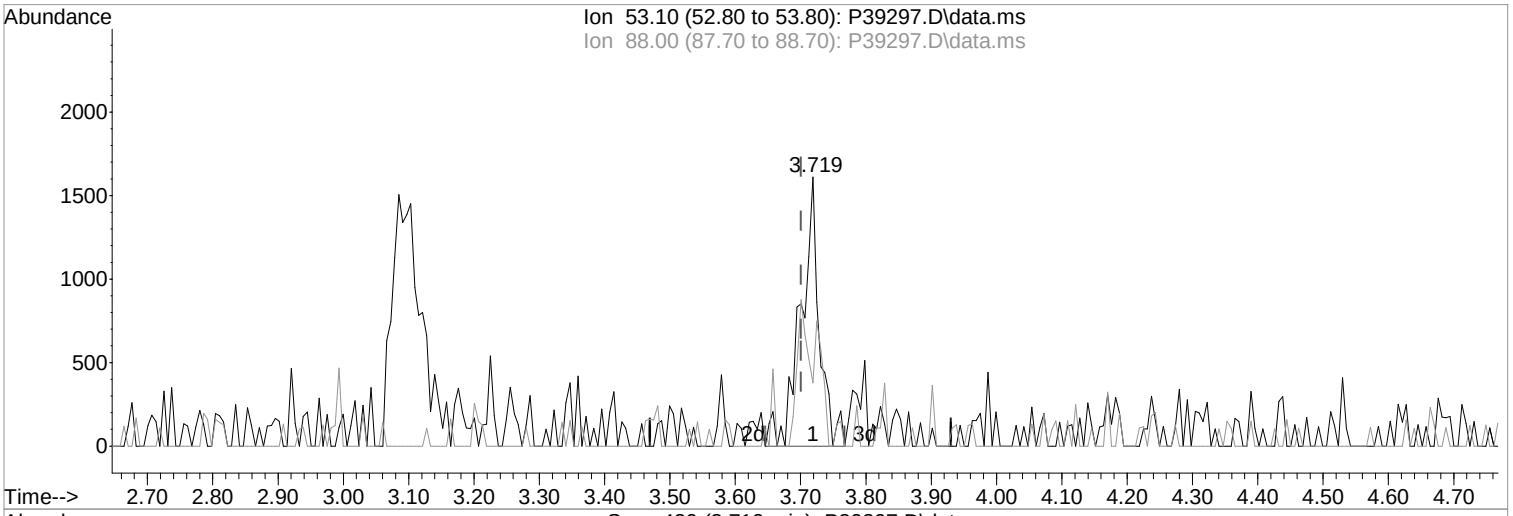
Poor integration.

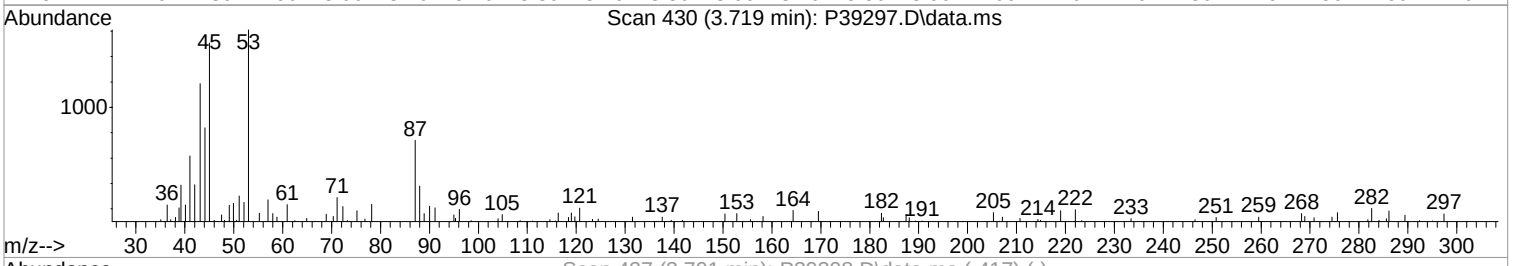
09/04/20

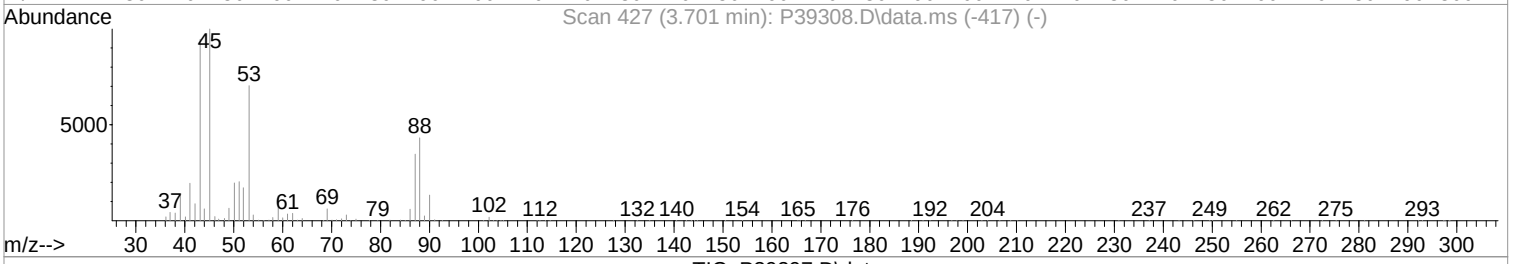
Quantitation Report (Qedit)

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

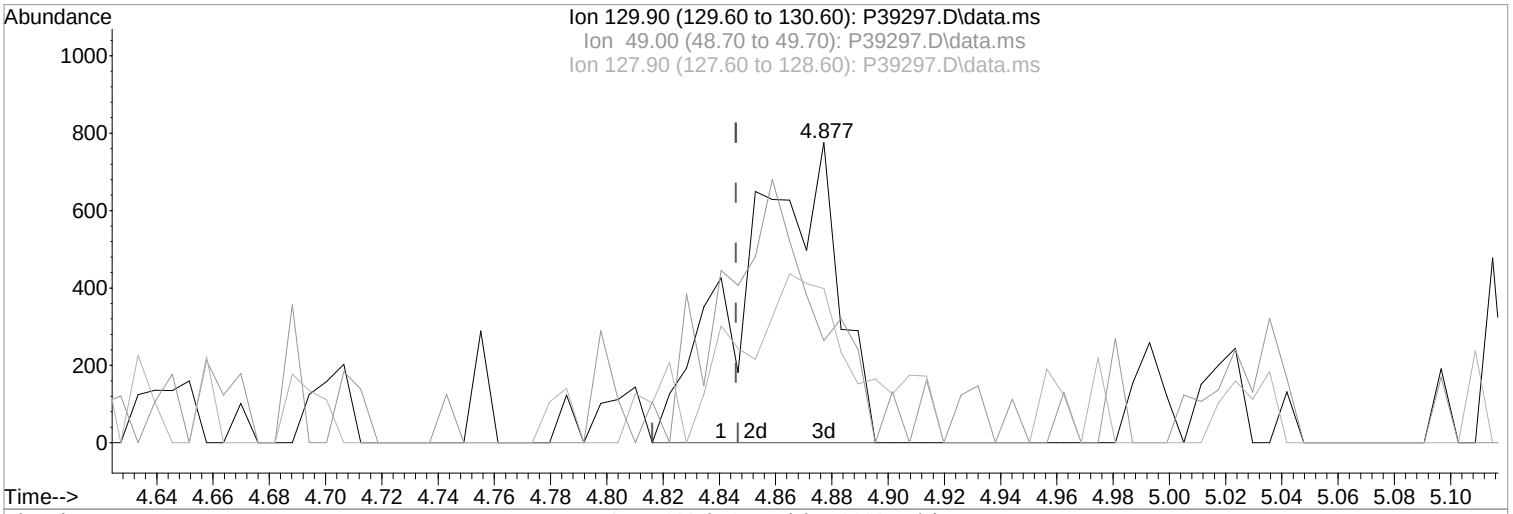
09/04/20

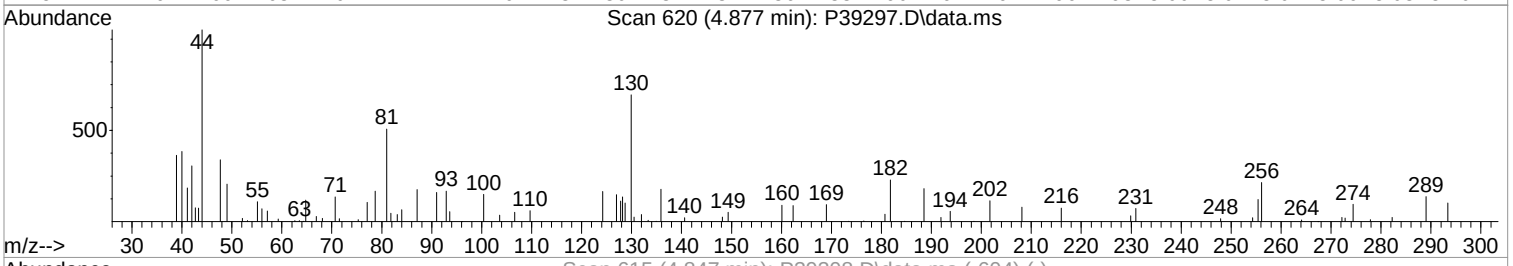
1st 09/05/20
2nd 09/05/20

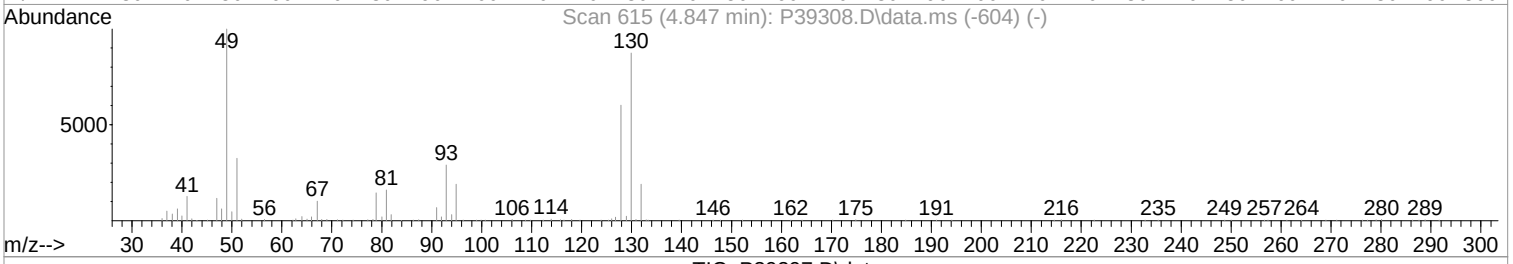
Quantitation Report (Qedit)

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

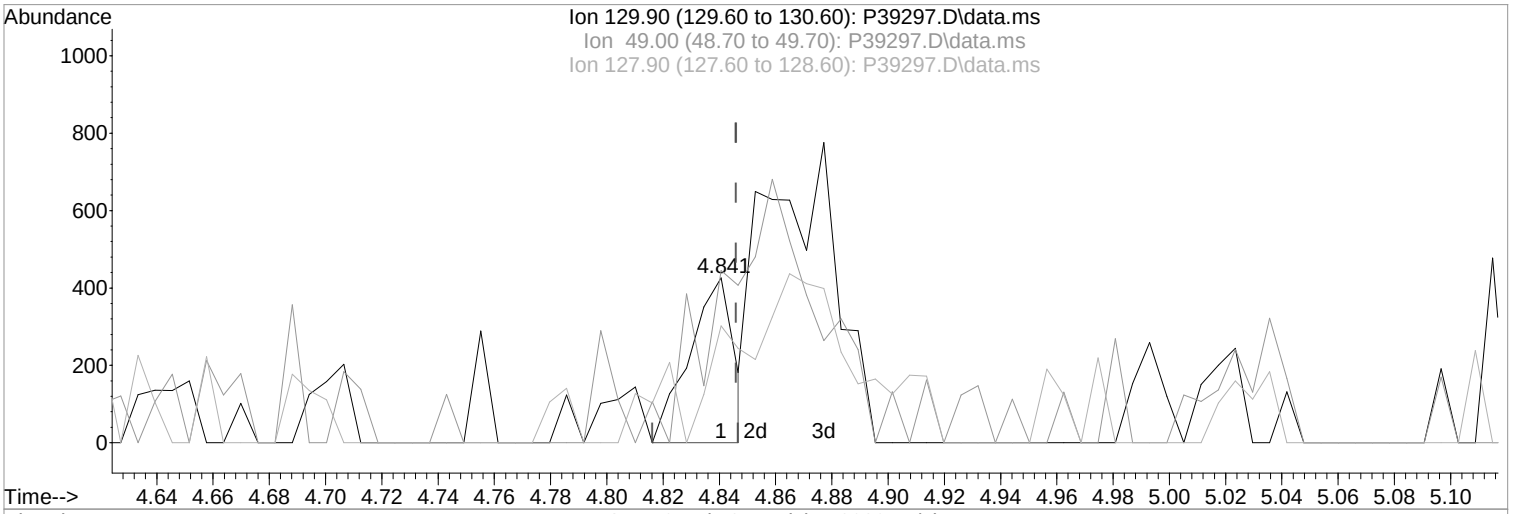
Poor integration.

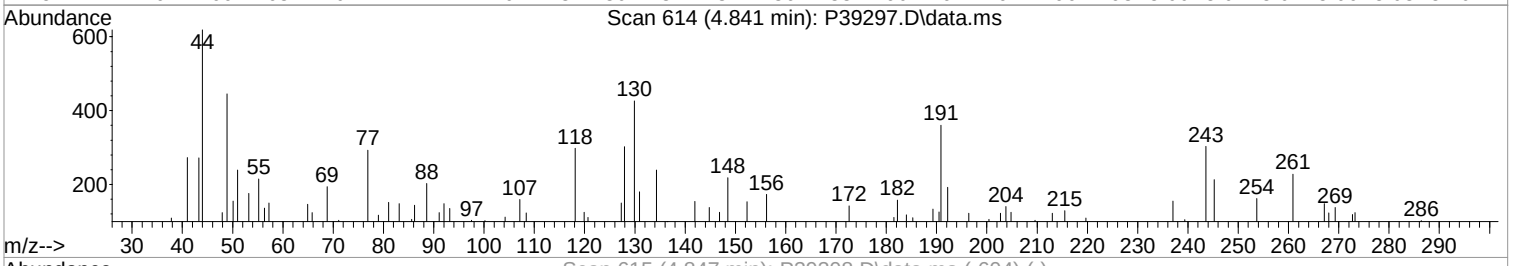
09/04/20

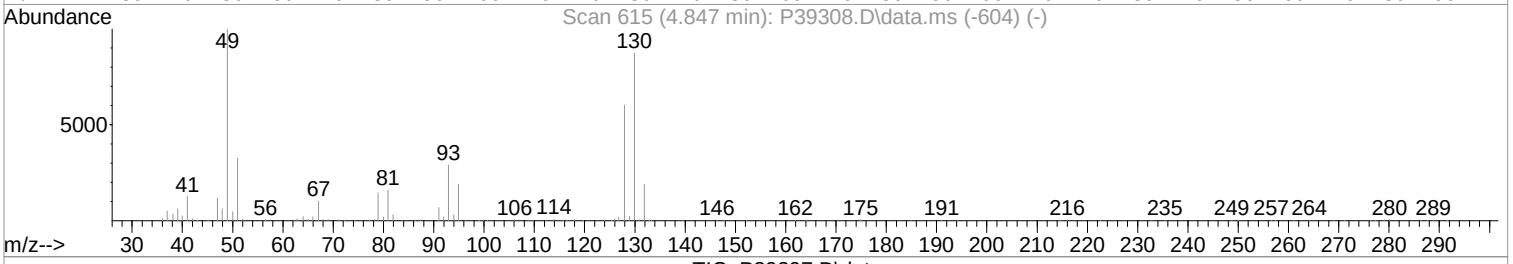
Quantitation Report (Qedit)

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:

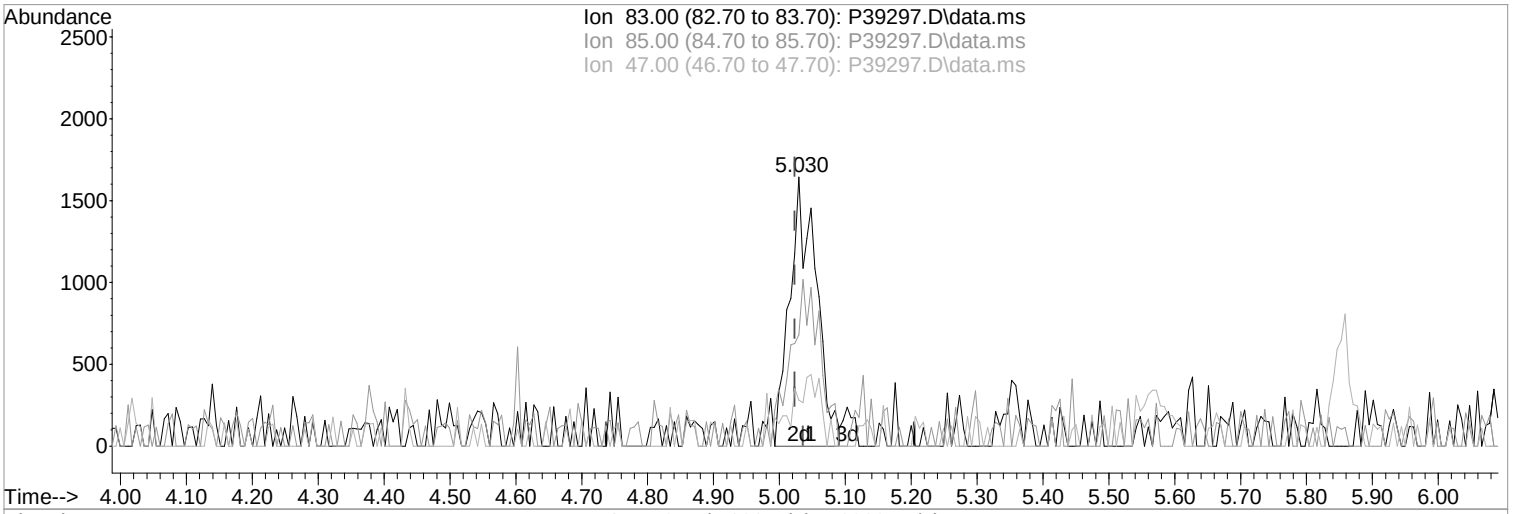
Before

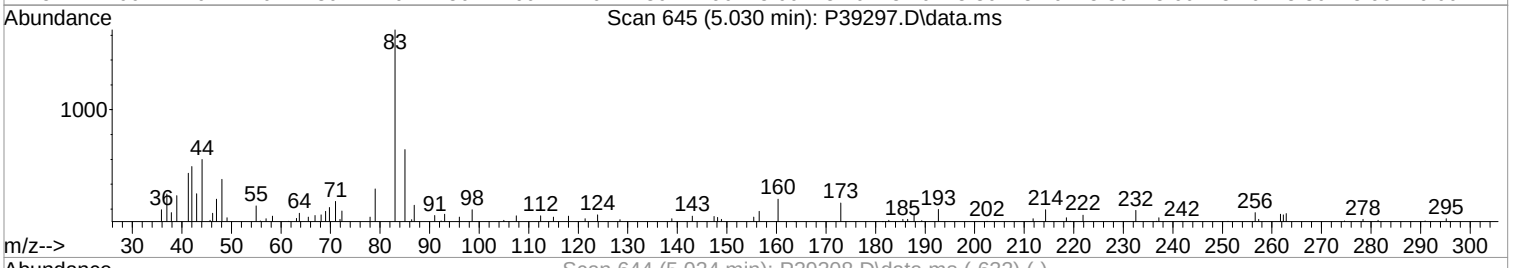
09/04/20

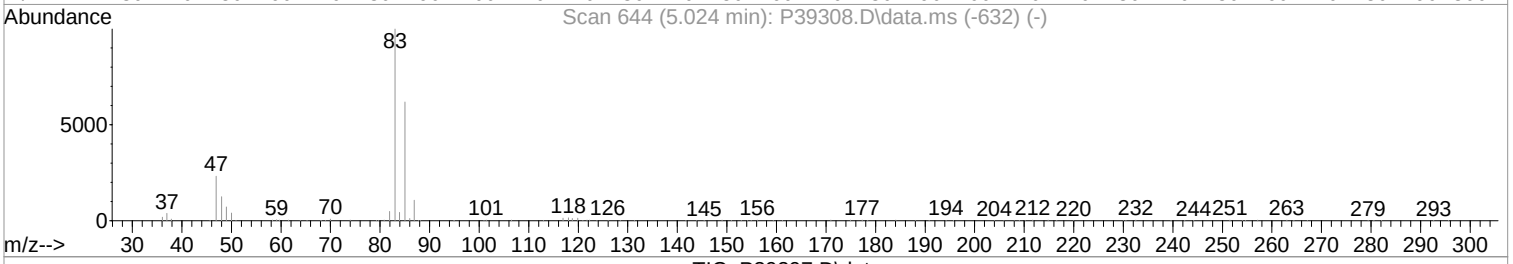
Quantitation Report (Qedit)

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

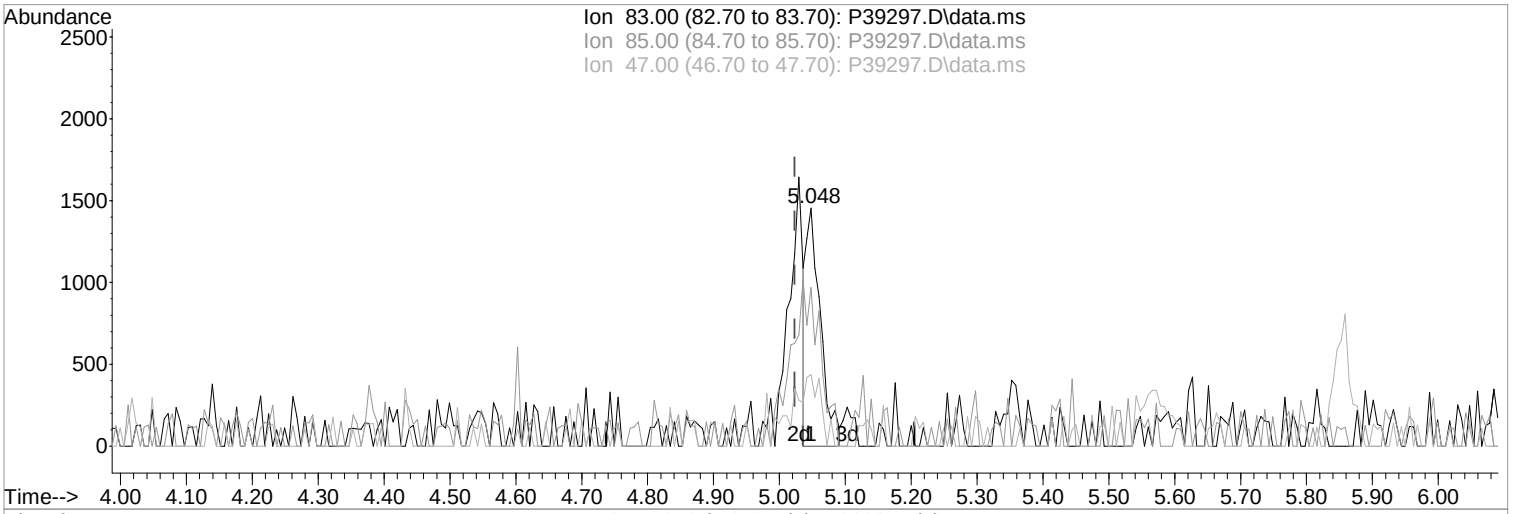
09/04/20

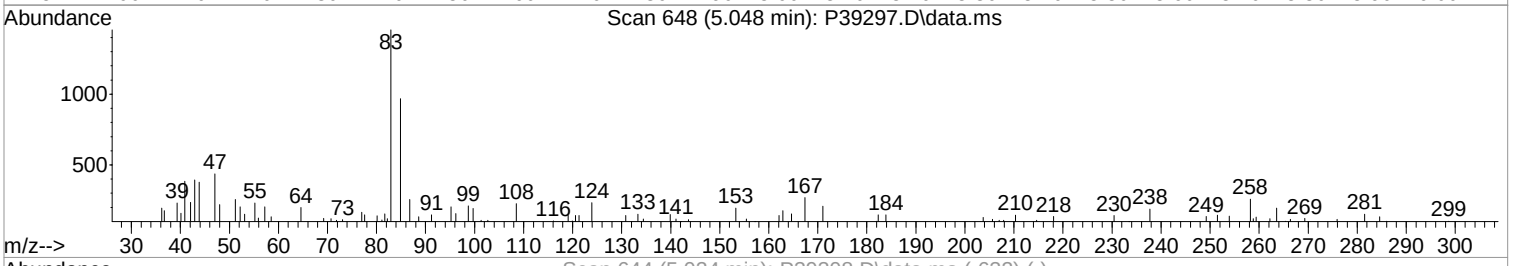
1st 09/05/20
2nd 09/05/20

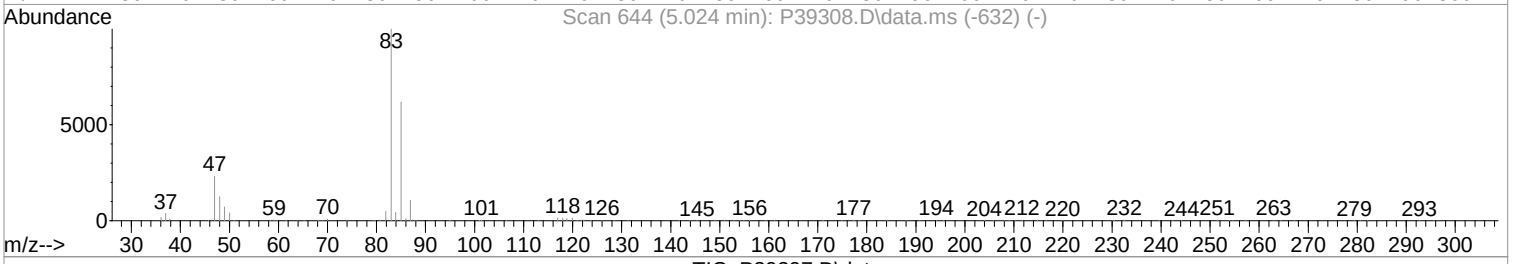
Quantitation Report (Qedit)

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:

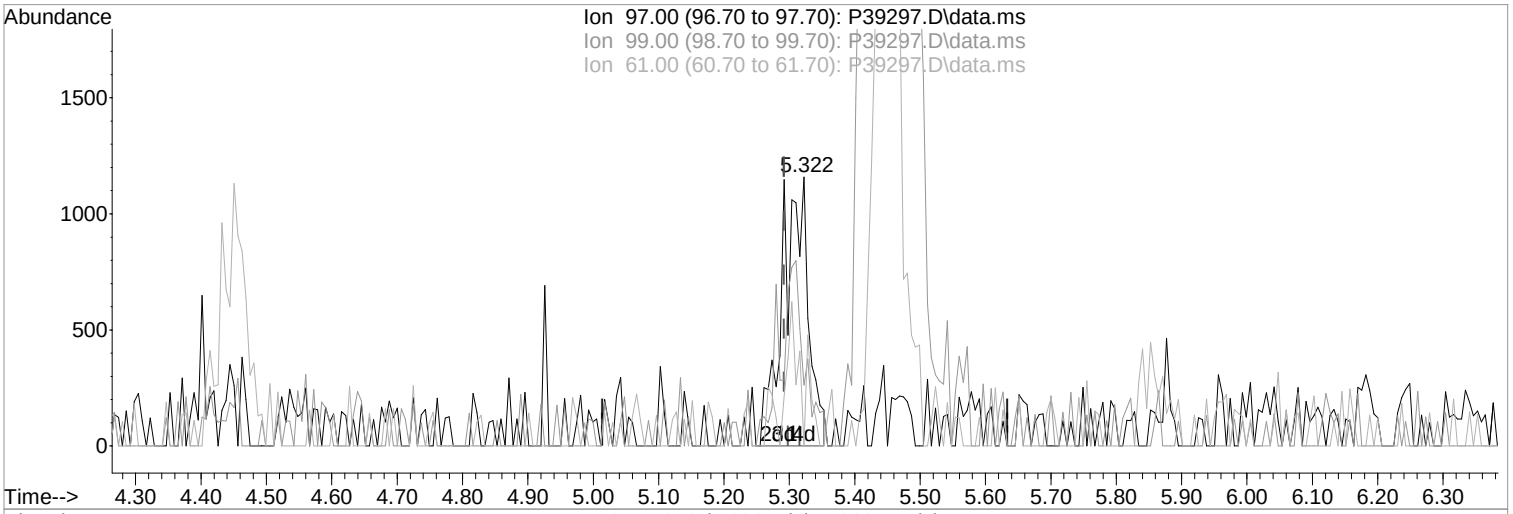
Before

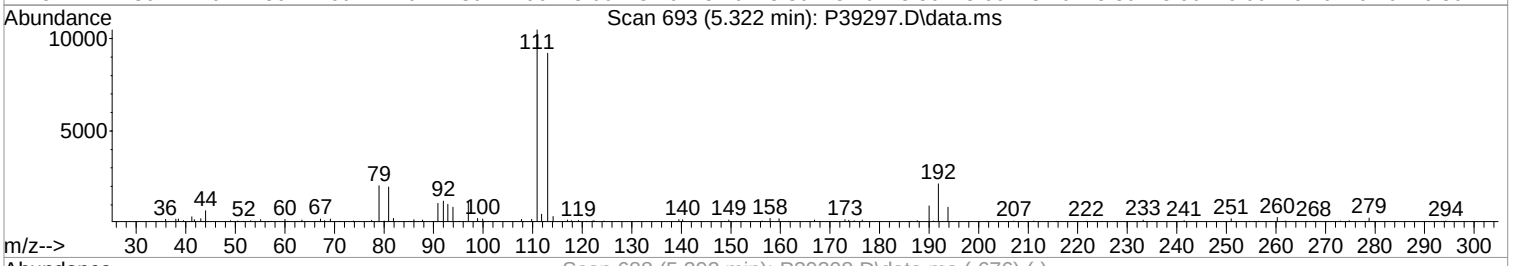
09/04/20

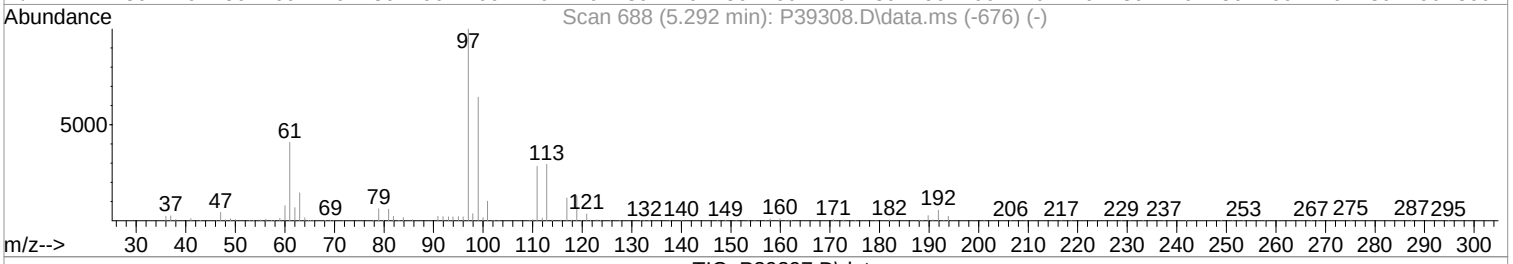
Quantitation Report (Qedit)

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

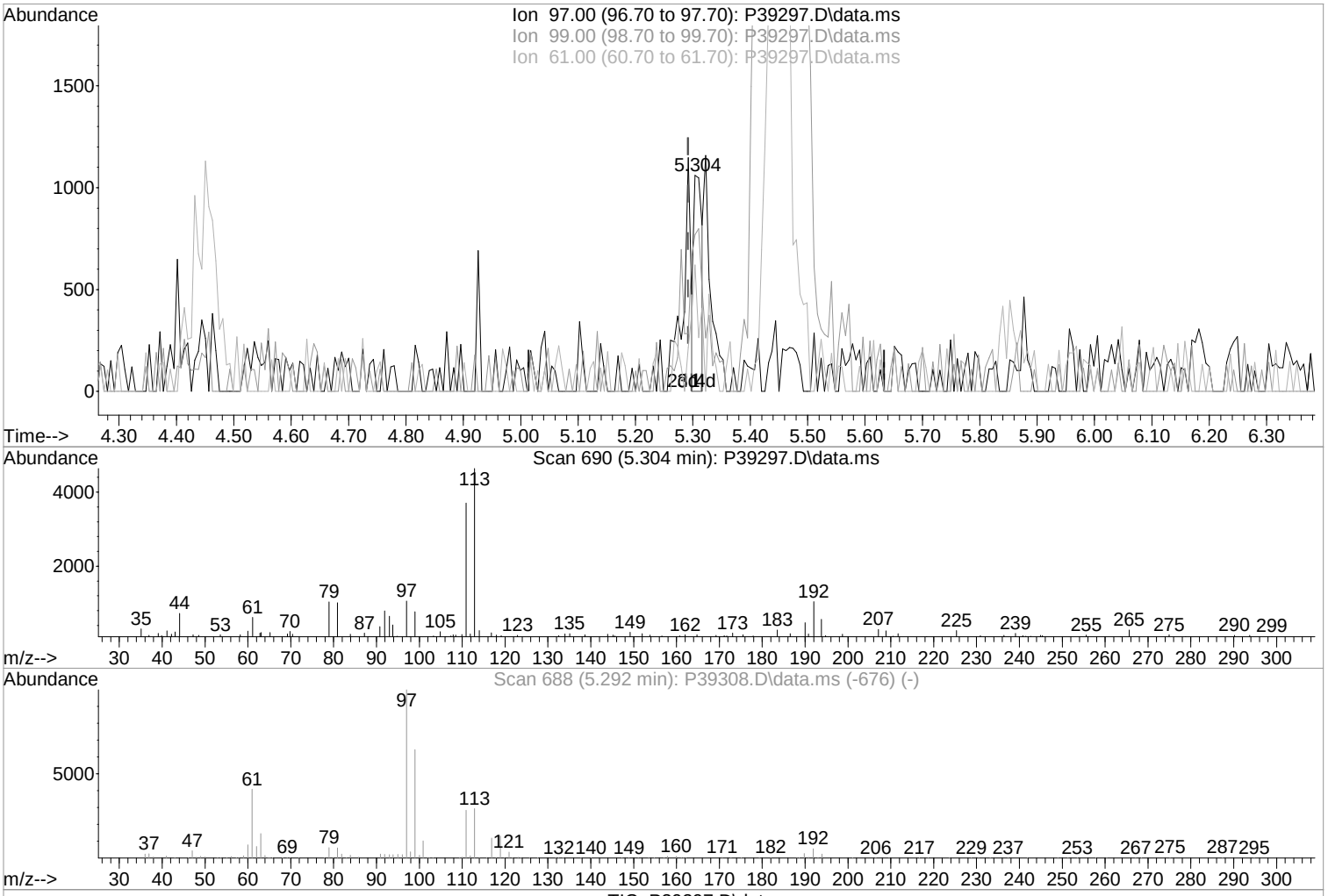
Split Peak

09/04/20

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

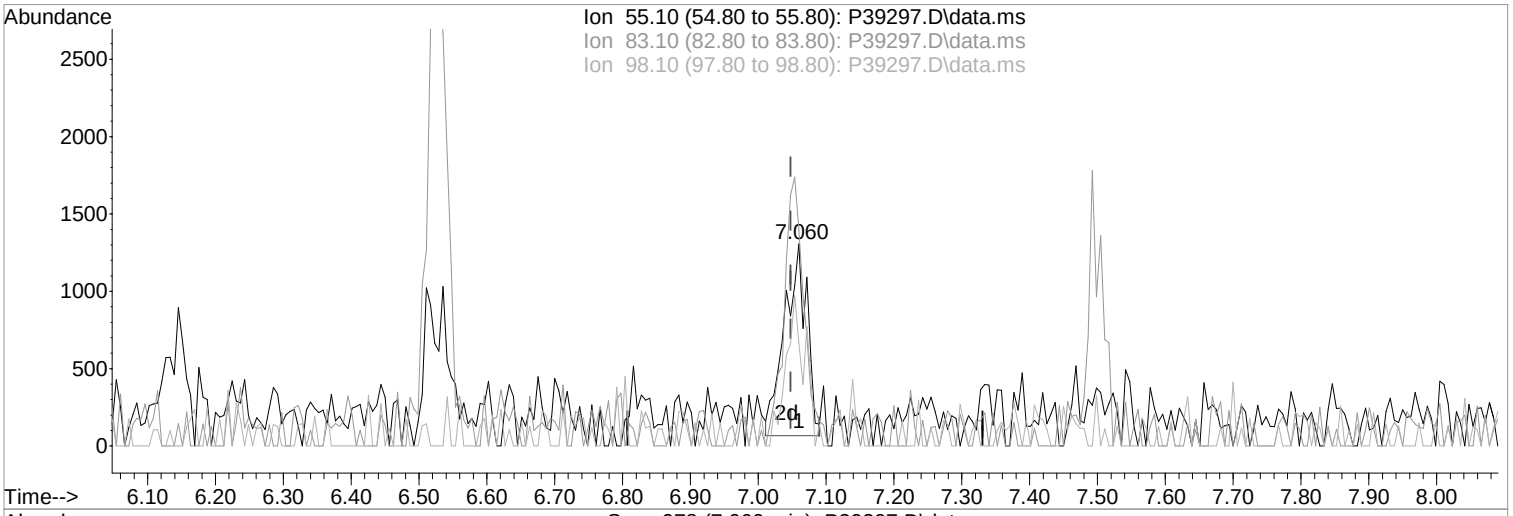
09/04/20

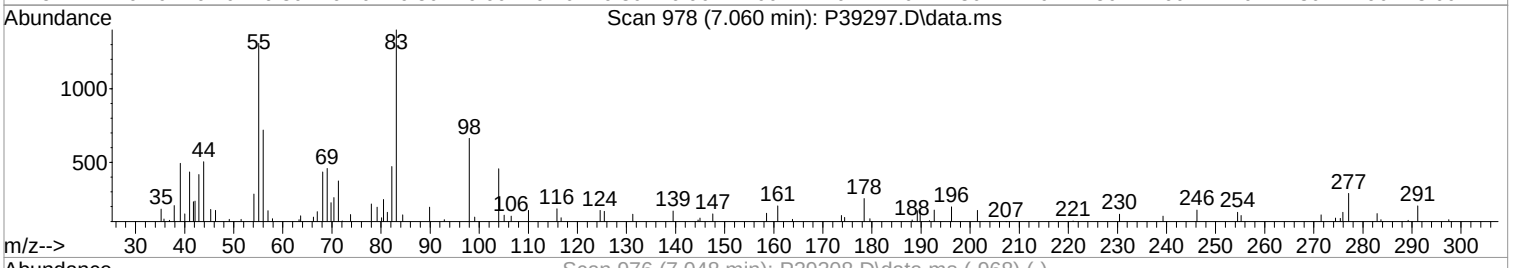
1st 09/05/20
2nd 09/05/20

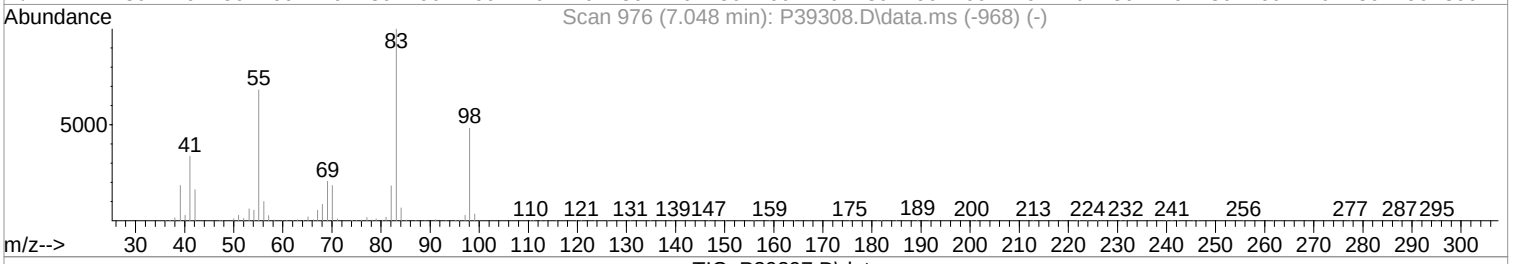
Quantitation Report (Qedit)

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

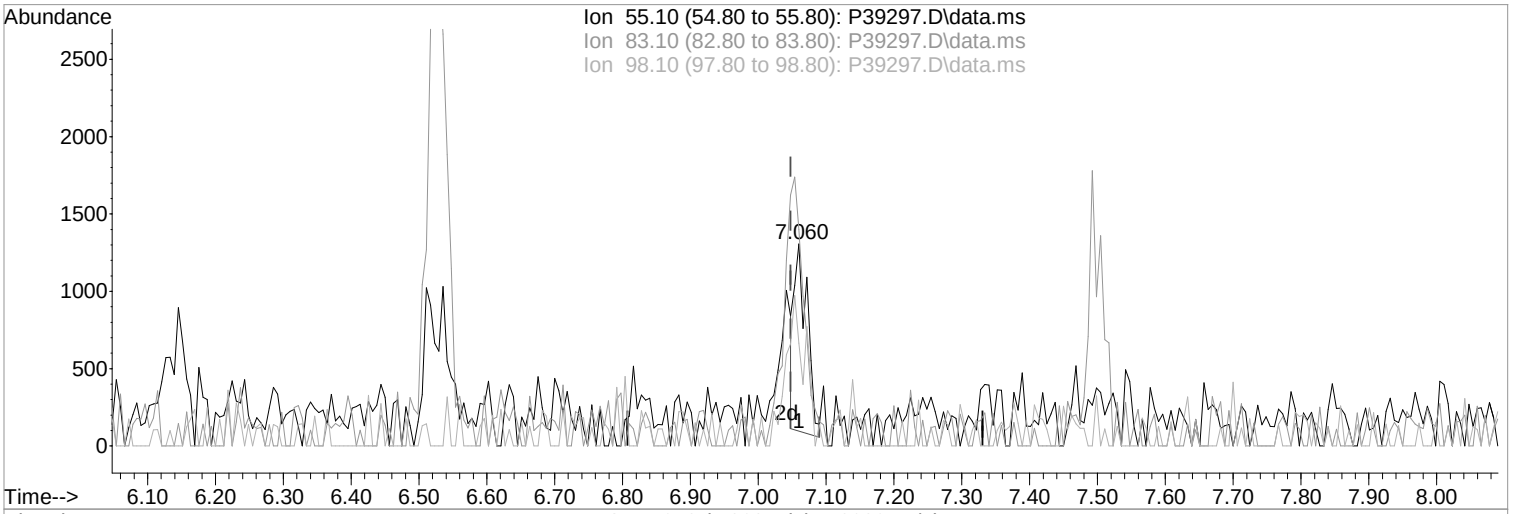
Split Peak

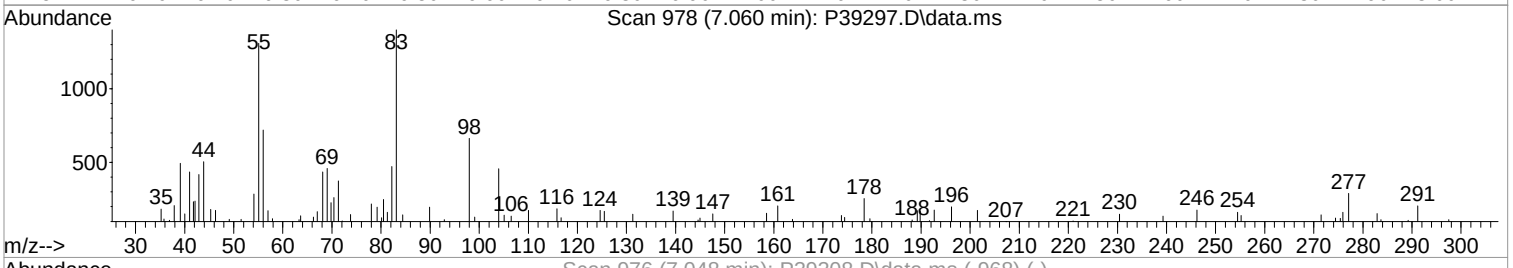
09/04/20

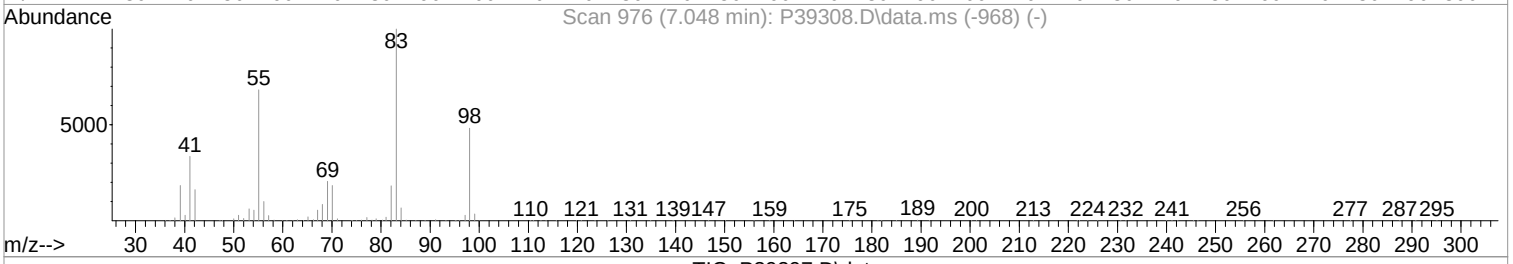
Quantitation Report (Qedit)

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:

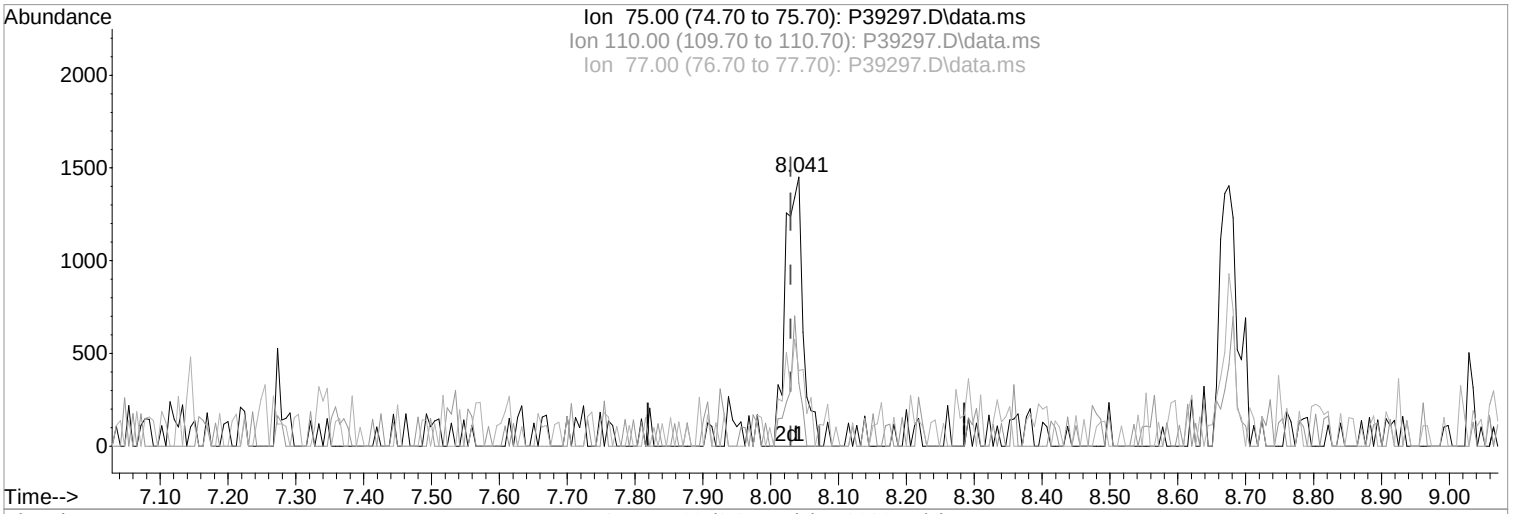
Before

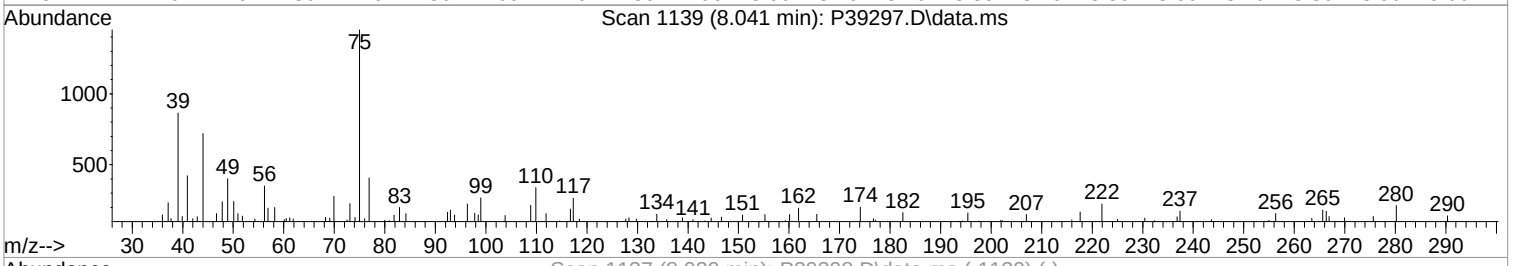
09/04/20

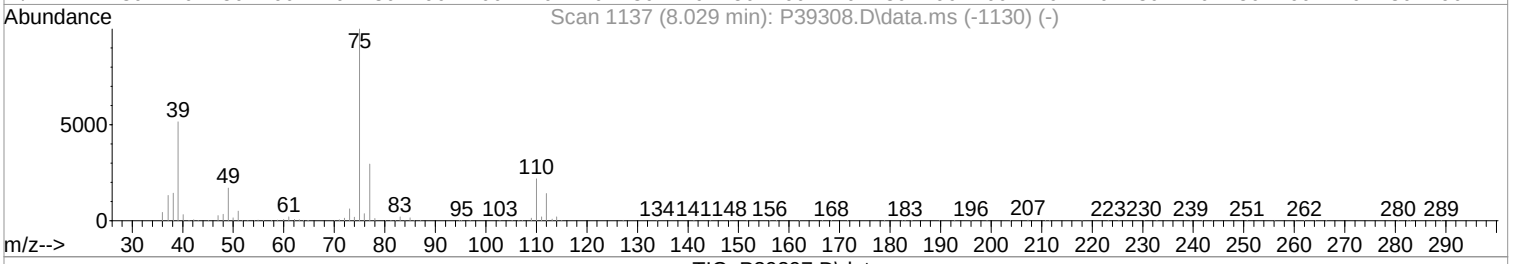
Quantitation Report (Qedit)

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

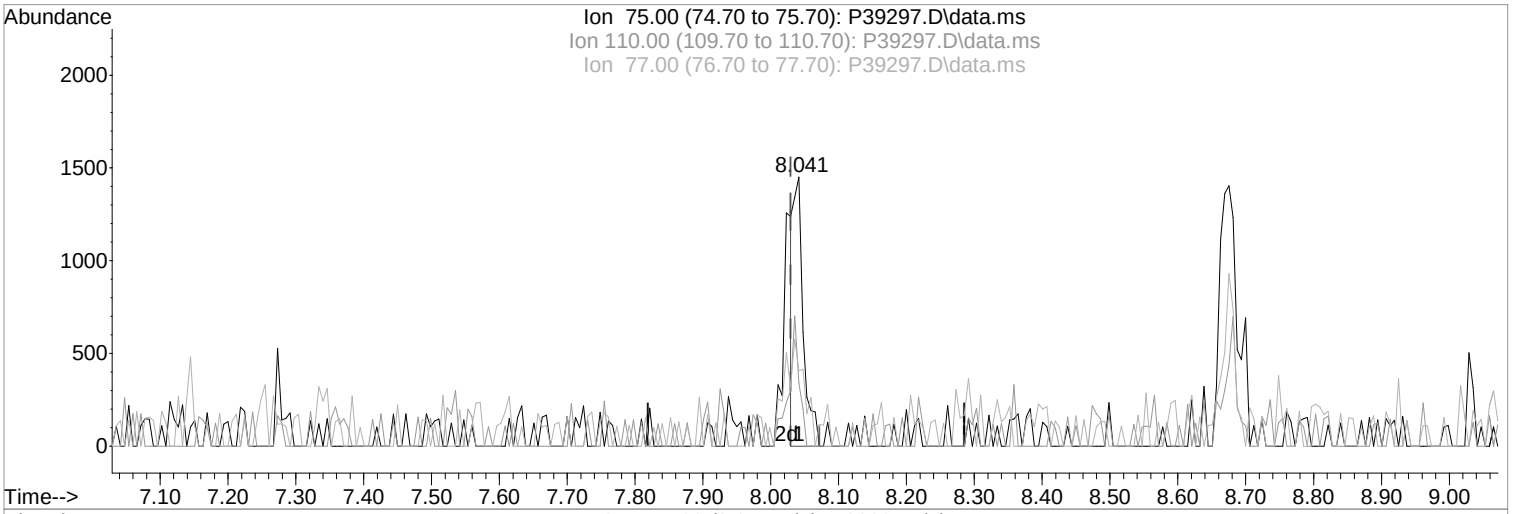
Split Peak

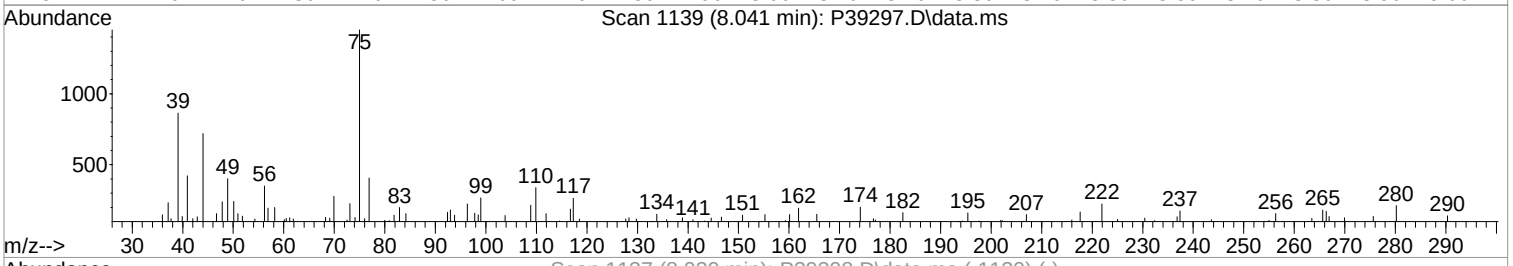
09/04/20

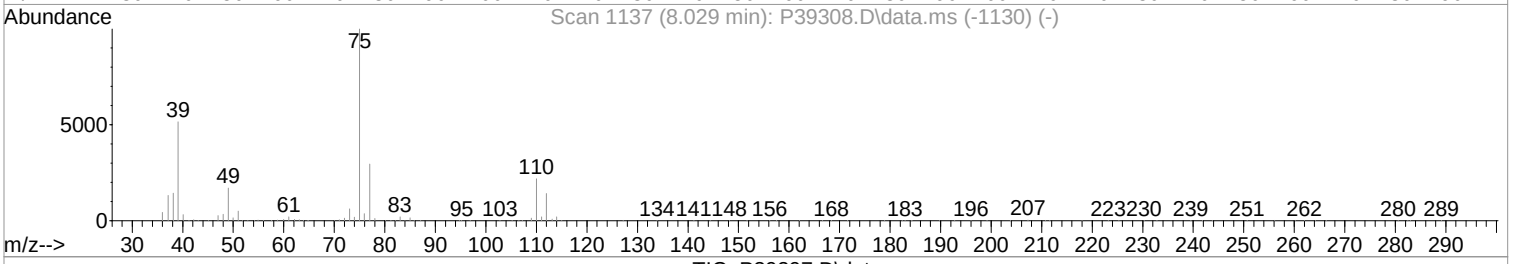
Quantitation Report (Qedit)

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

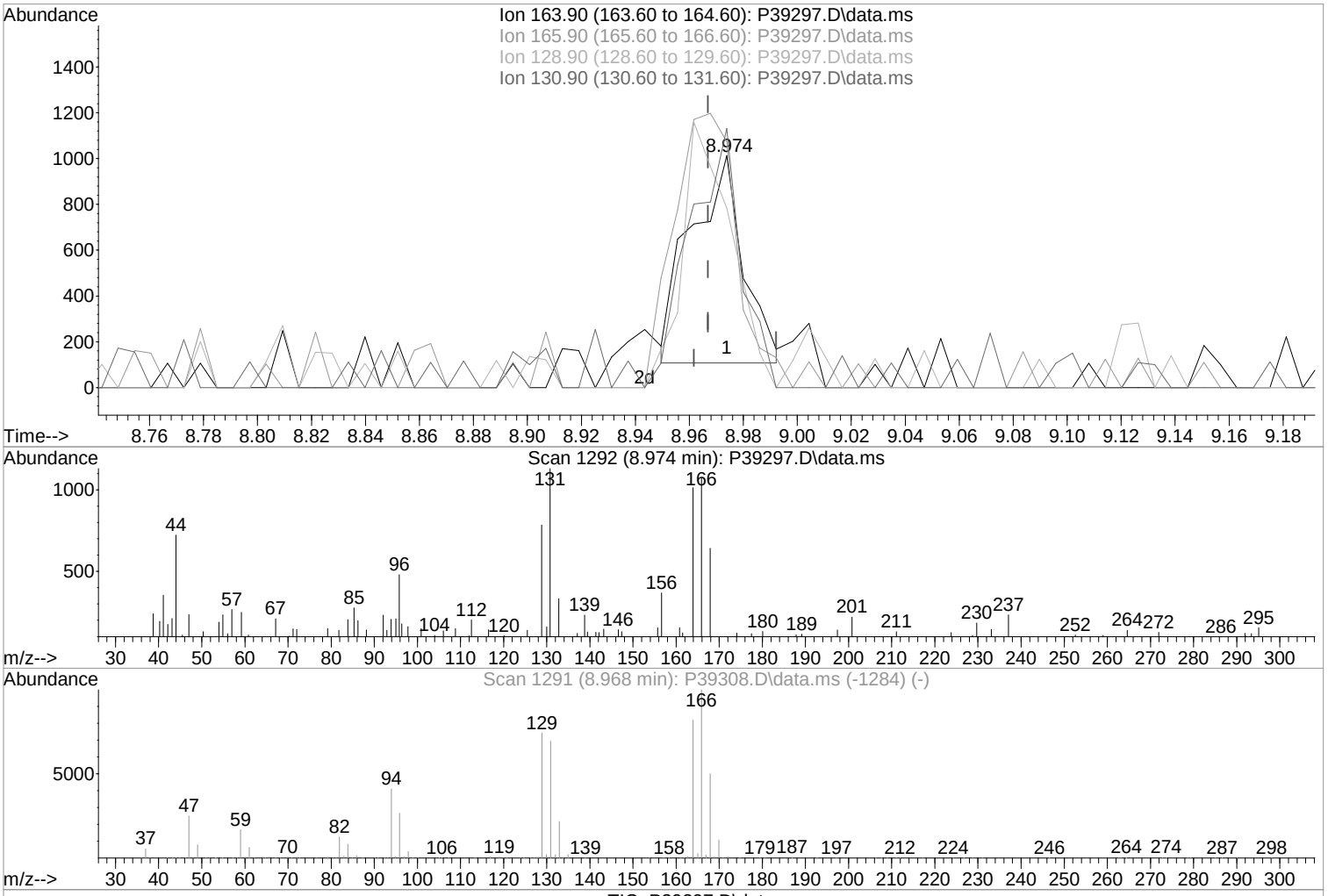
09/04/20

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.

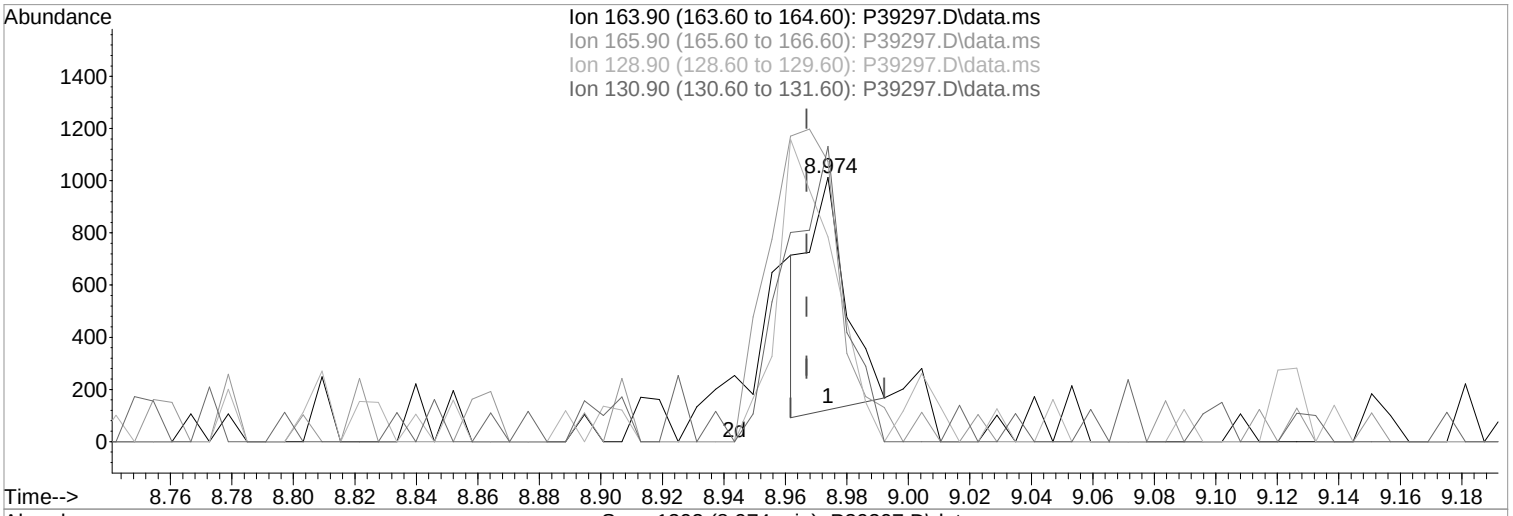
09/04/20

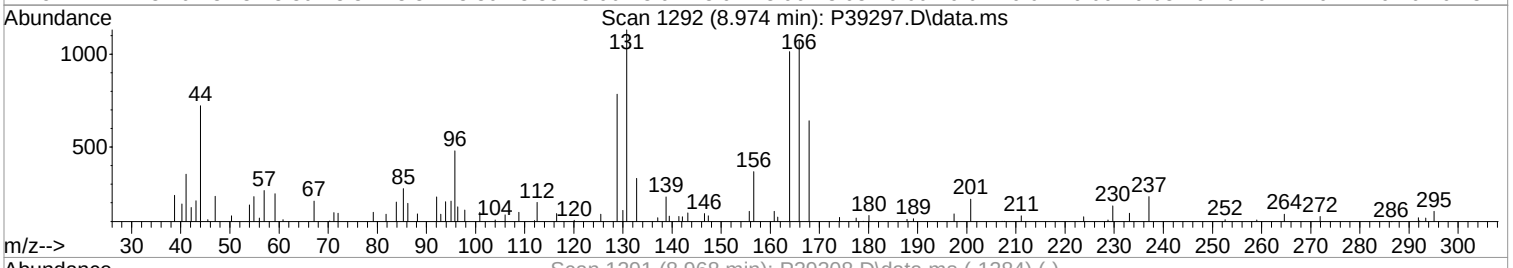
1st 09/05/20
2nd 09/05/20

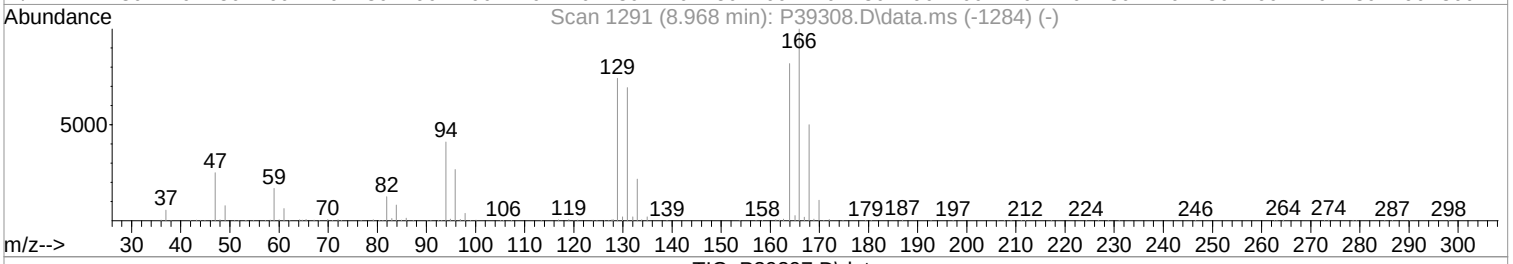
Quantitation Report (Qedit)

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:

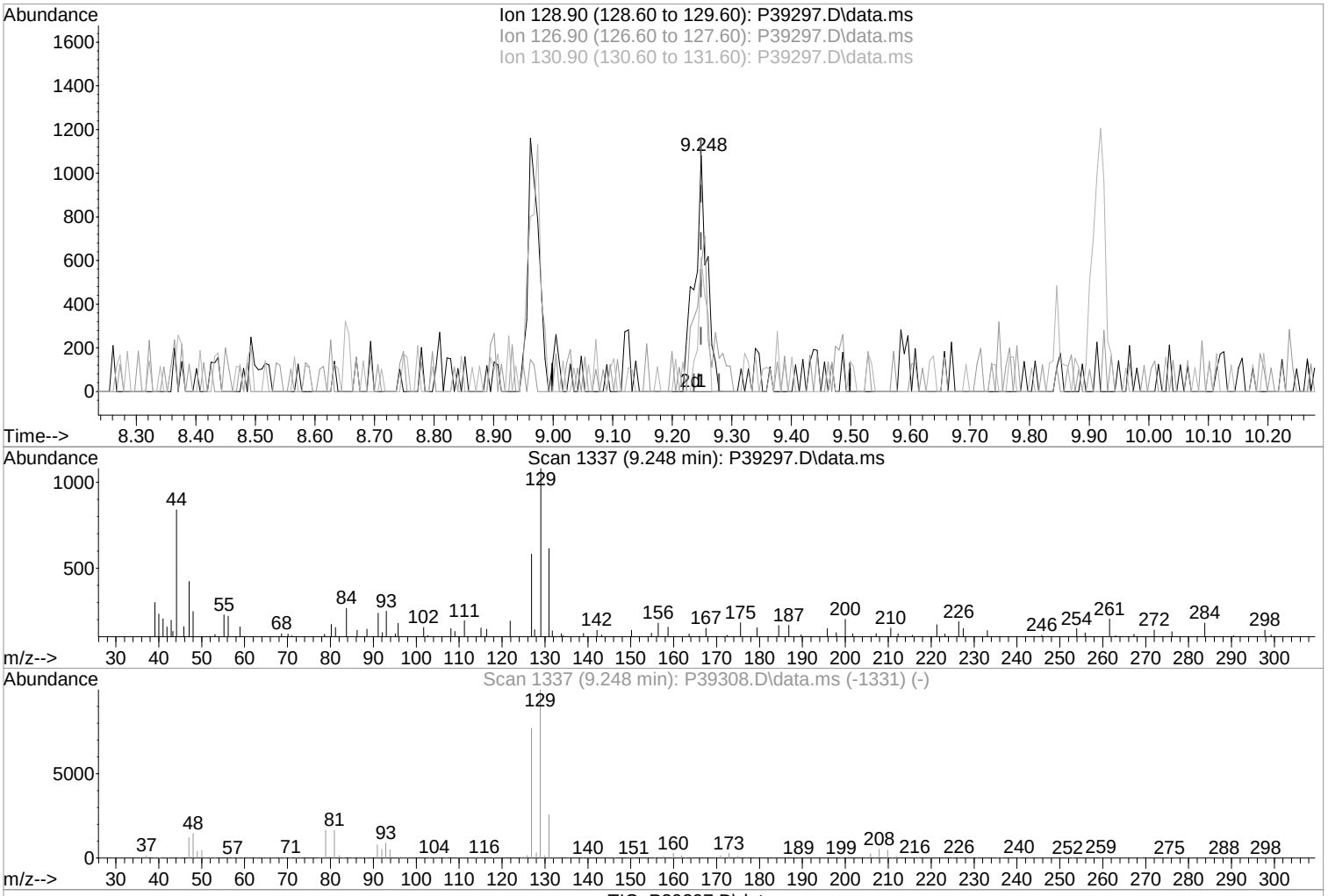
Before

09/04/20

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

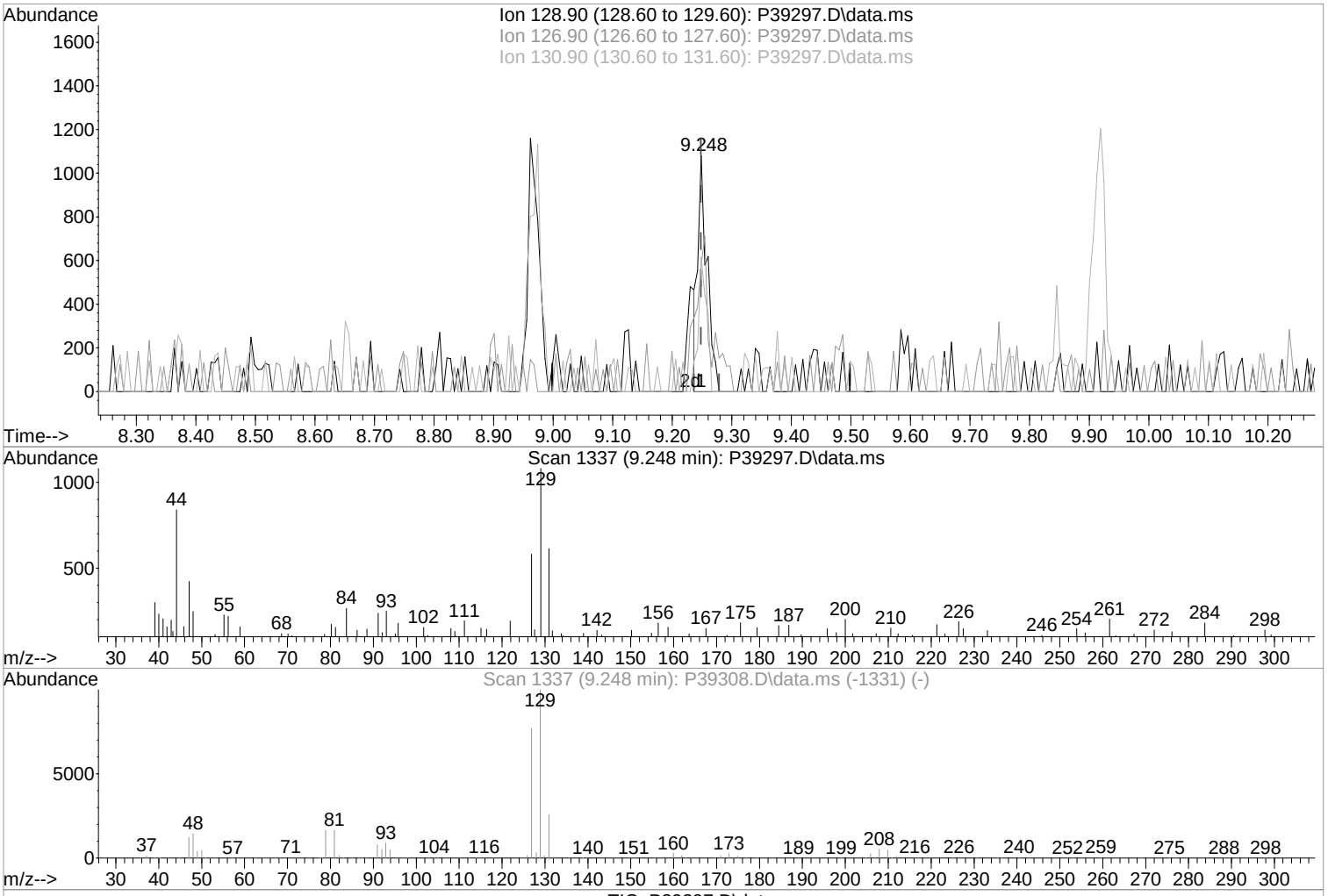
Poor integration.

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)

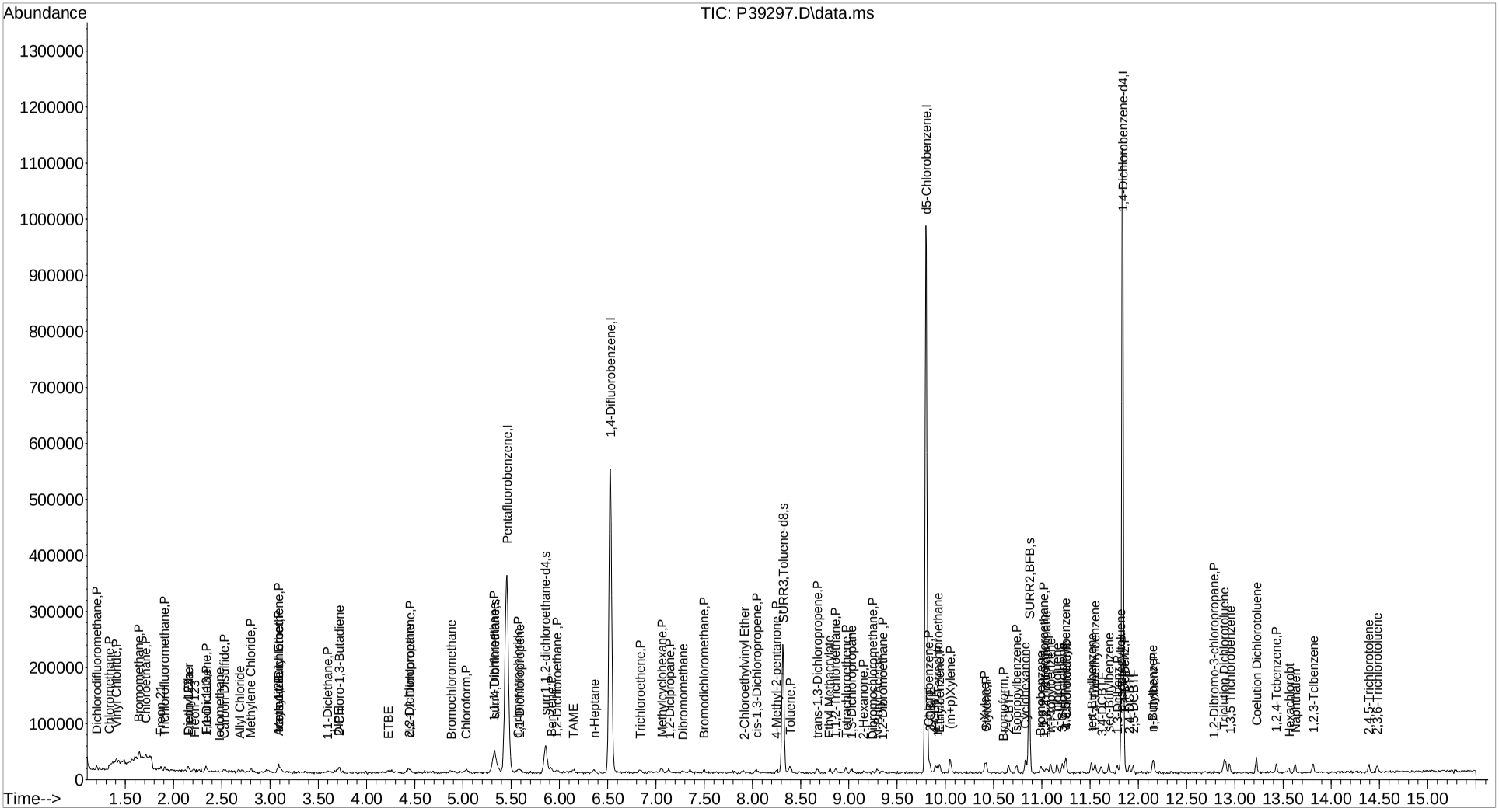
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

09/05/20 1st
09/05/20 2nd

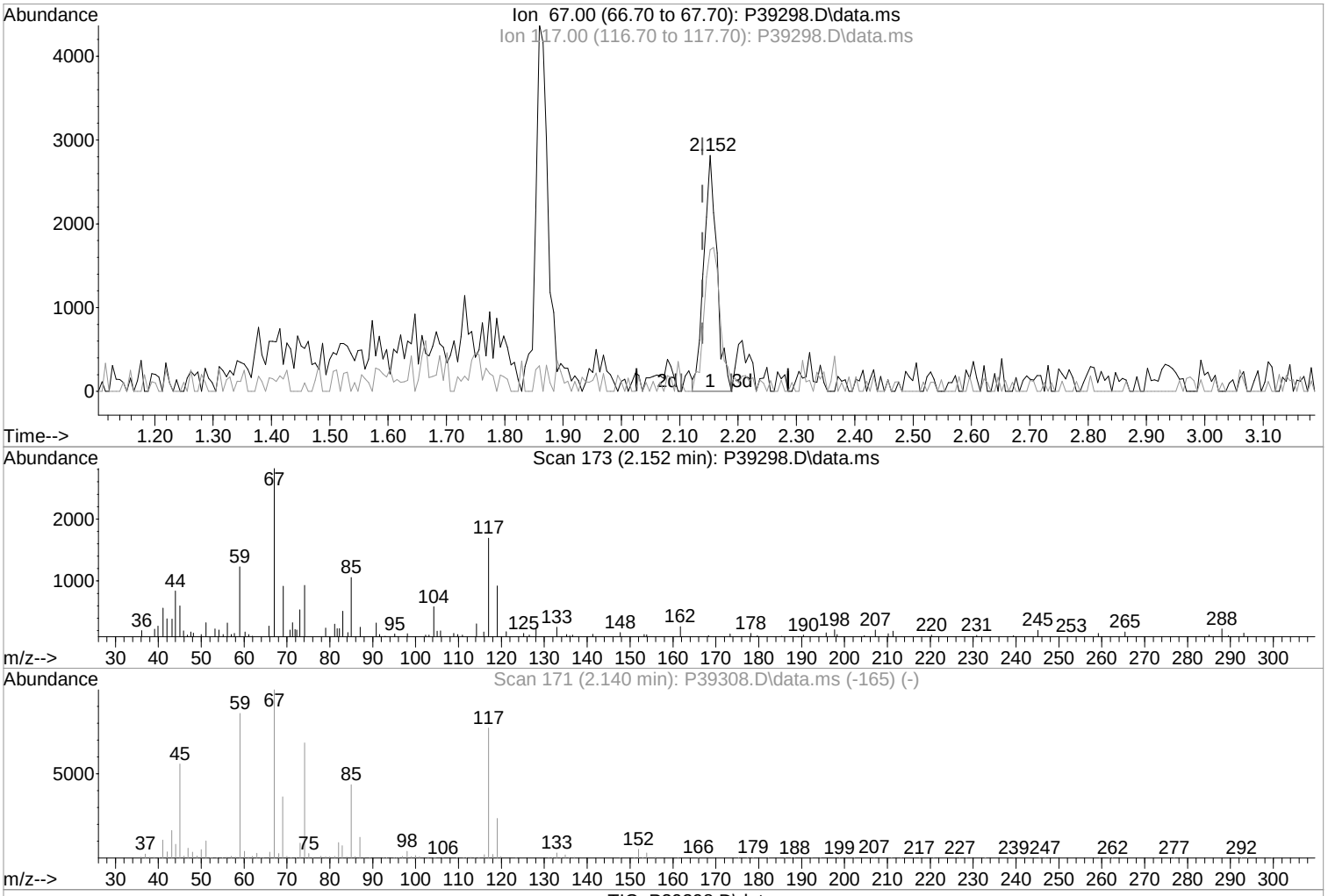
Quant Time: Sep 04 17:49:25 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



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

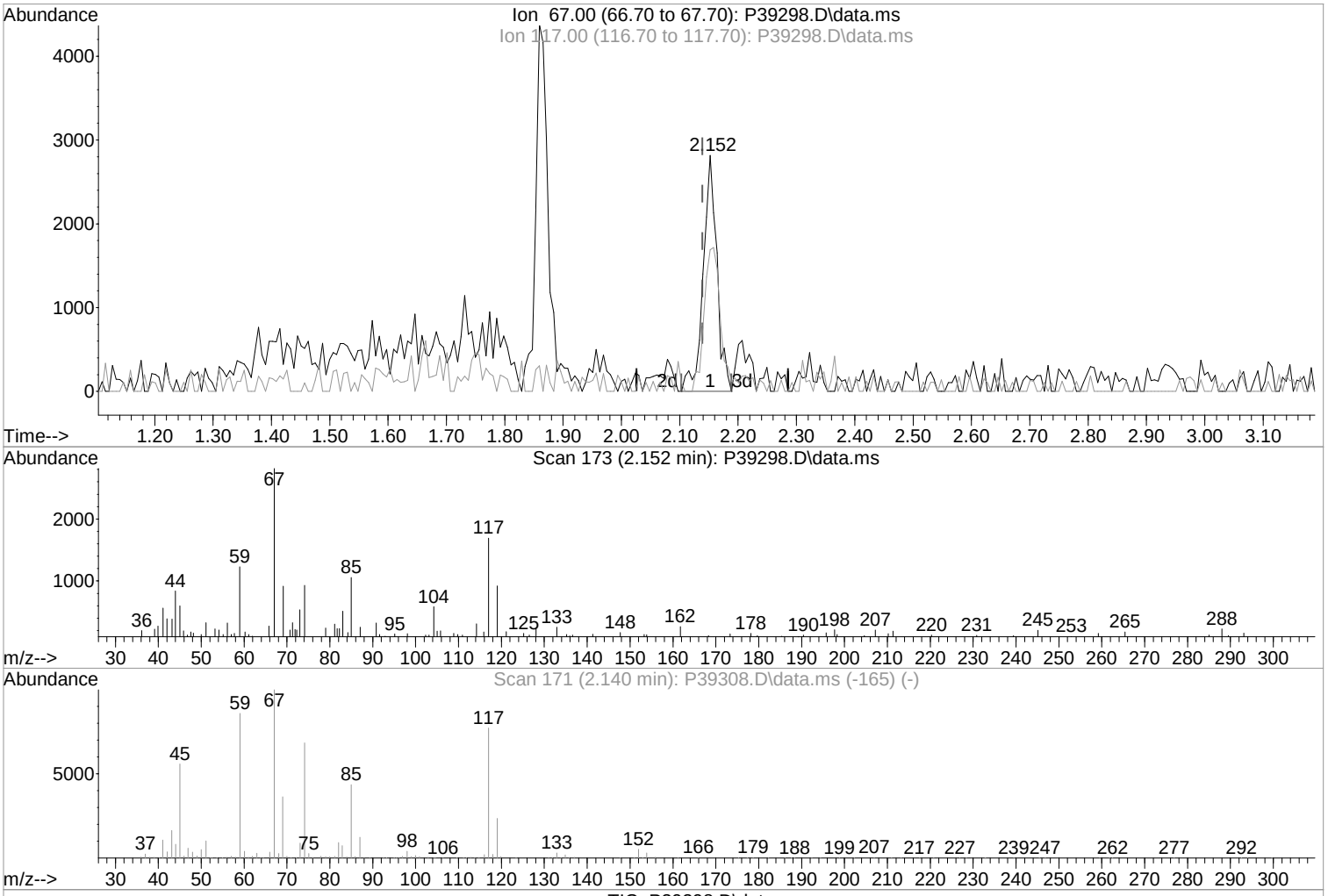
Poor integration.

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:

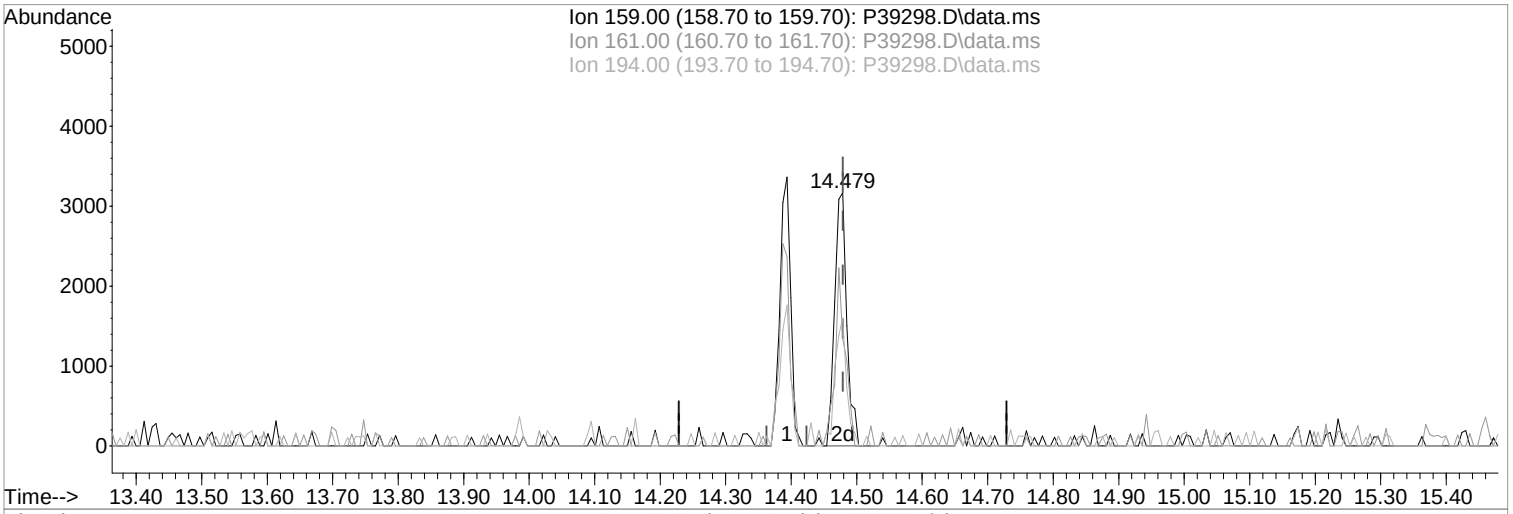
Before

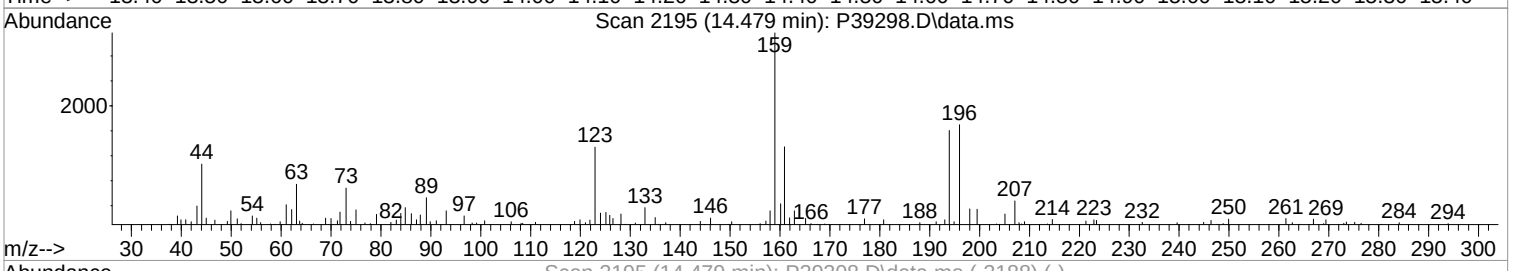
09/04/20

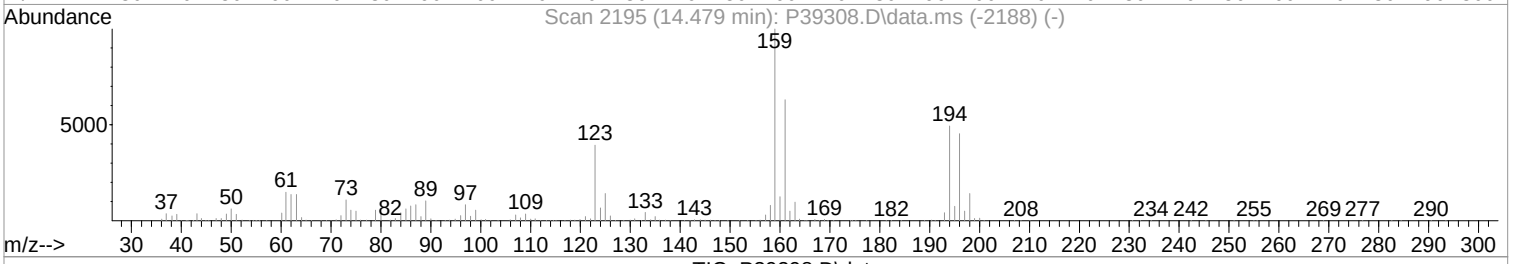
Quantitation Report (Qedit)

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

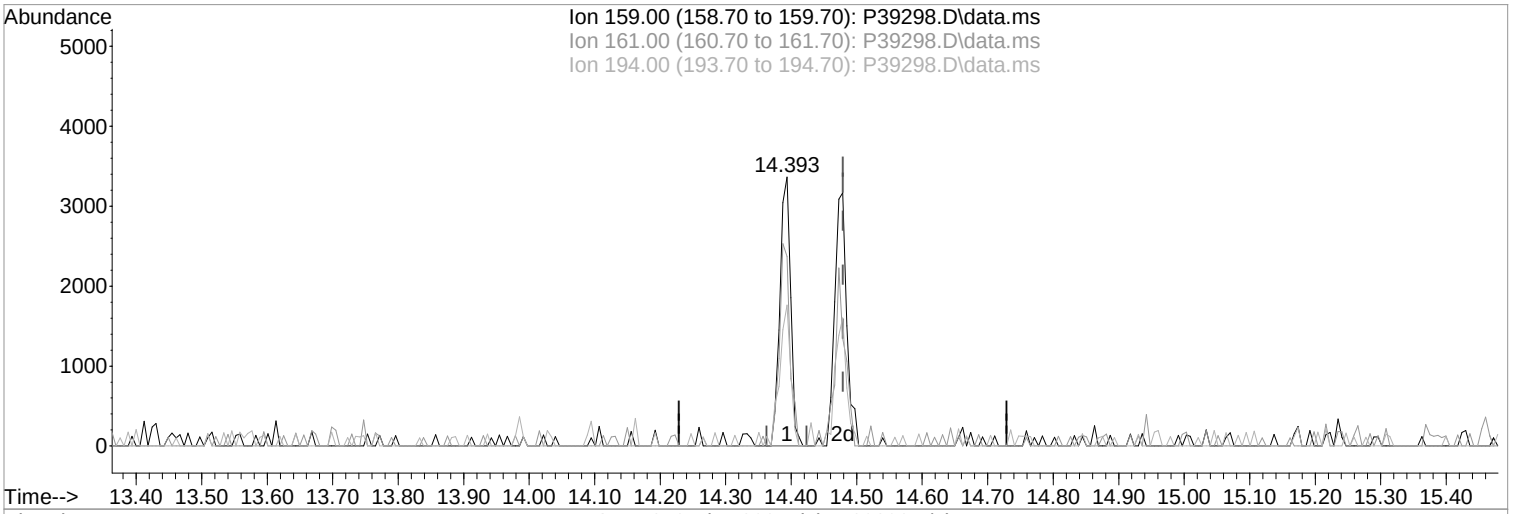
Wrong peak selected.

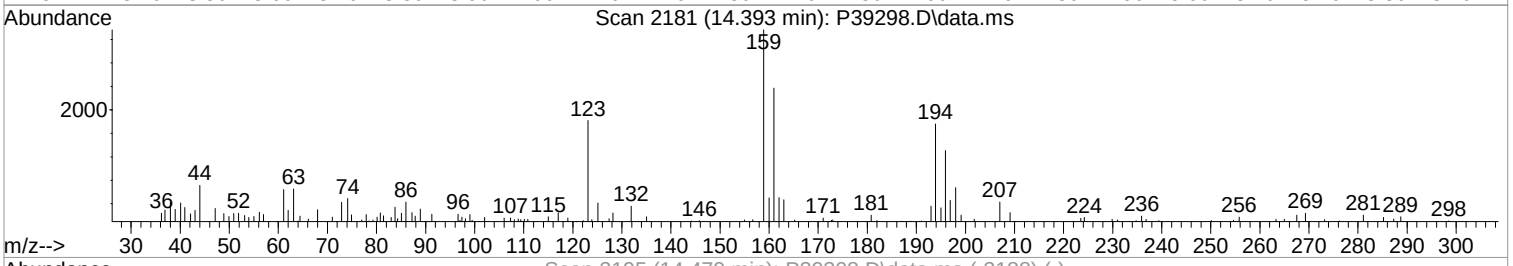
09/04/20

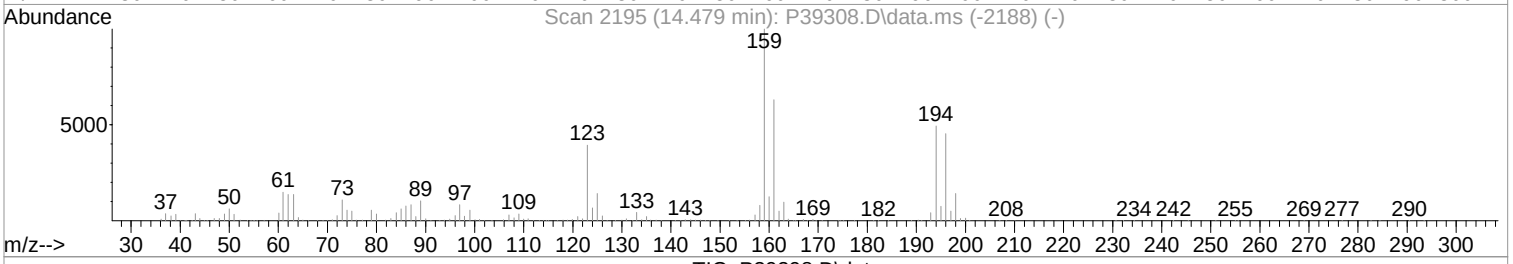
Quantitation Report (Qedit)

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:

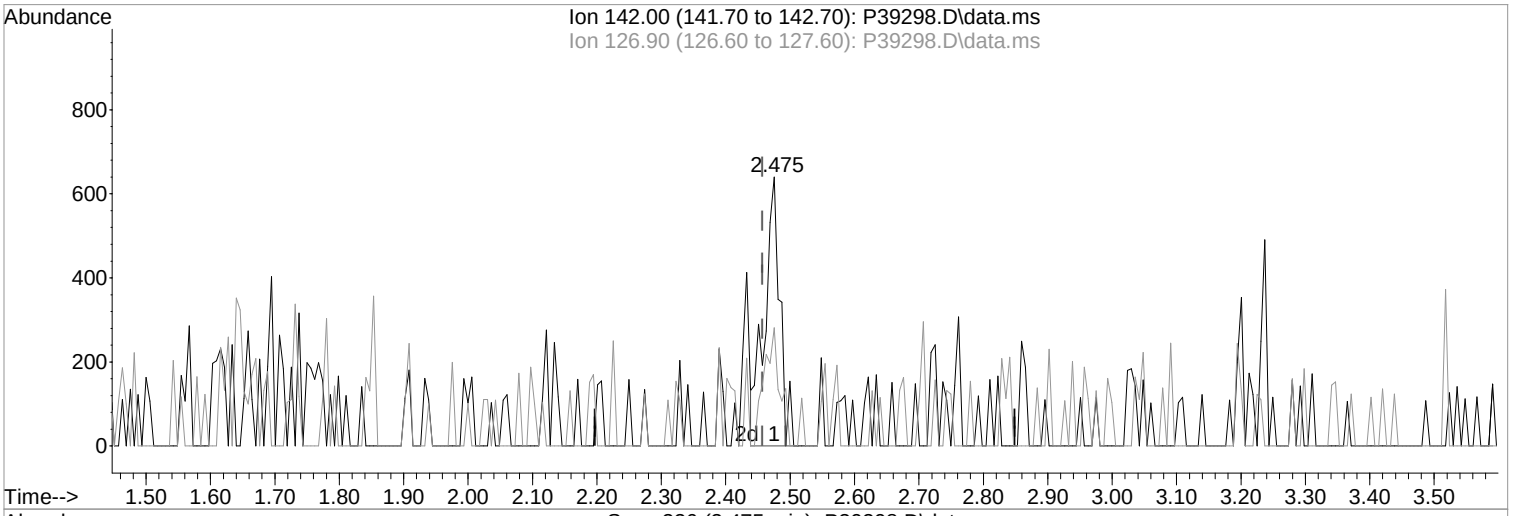
Before

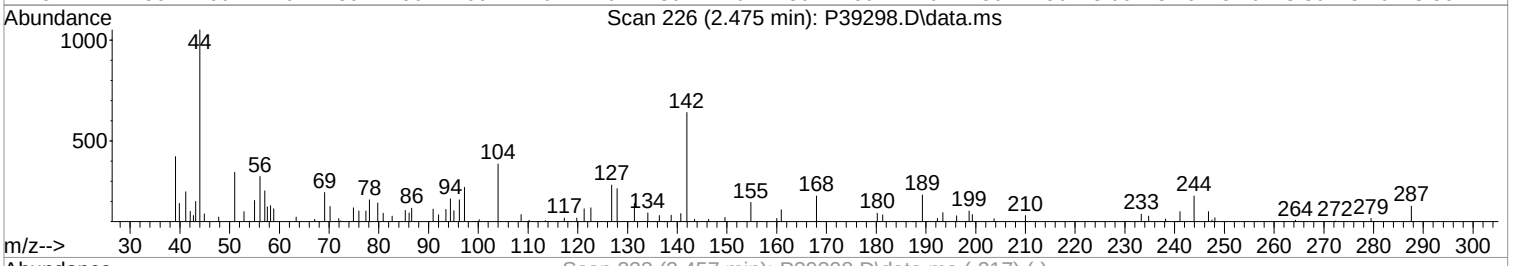
09/04/20

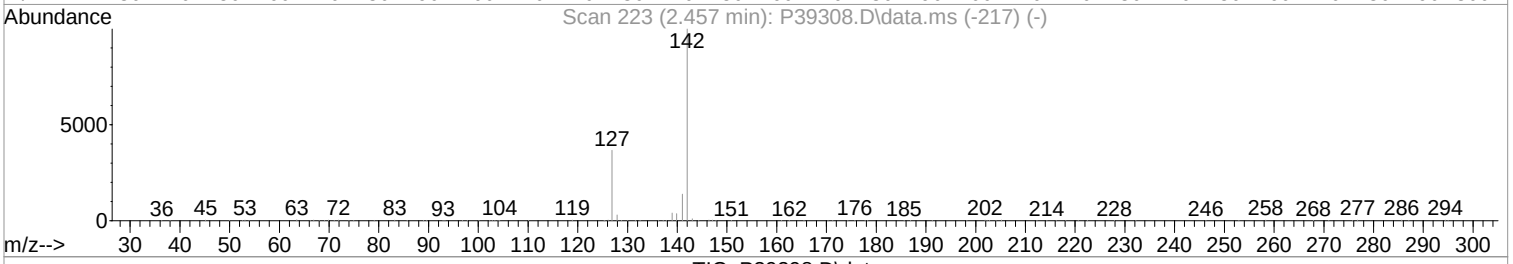
Quantitation Report (Qedit)

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

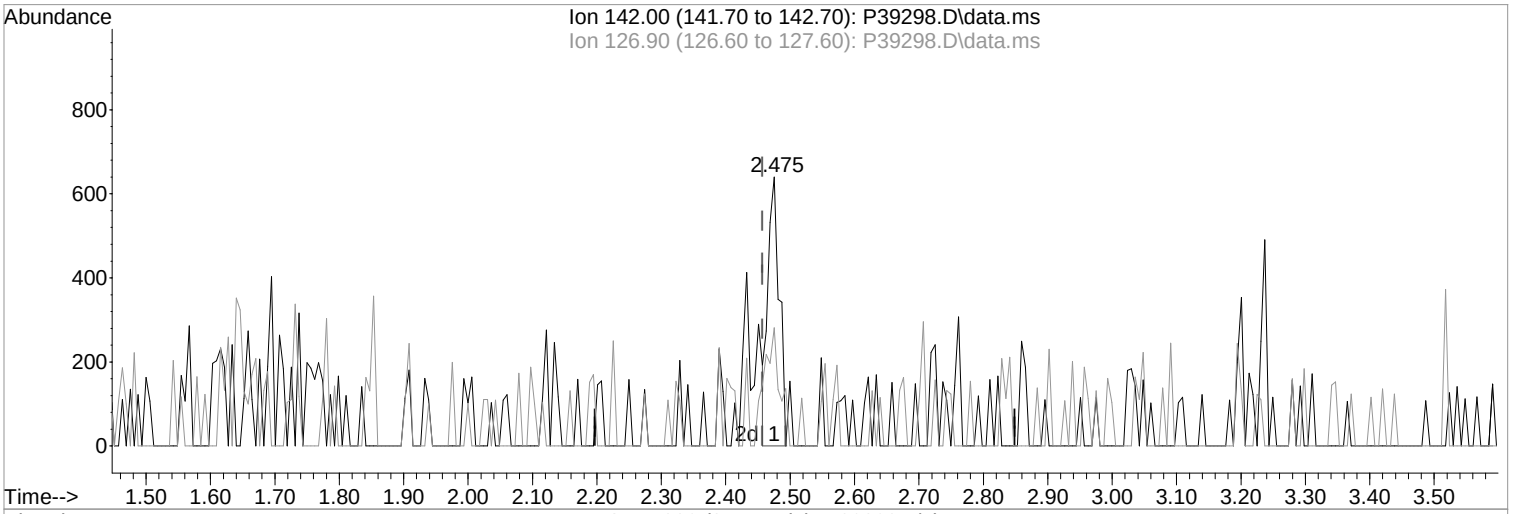
Poor integration.

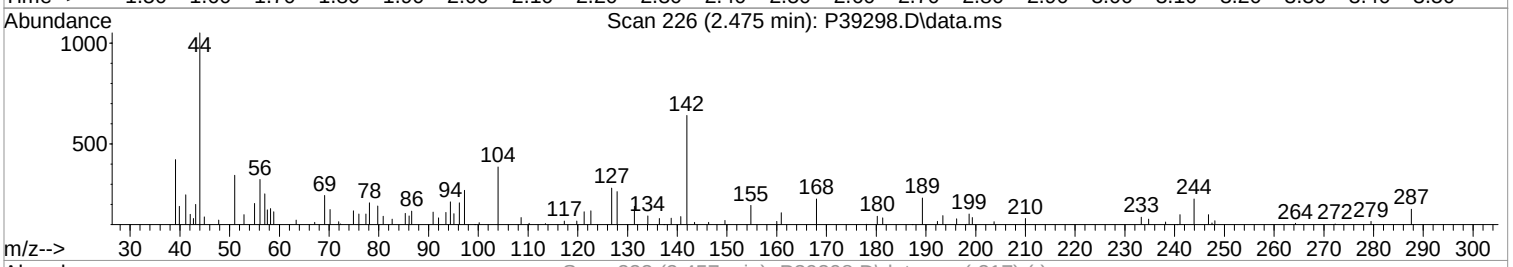
09/04/20

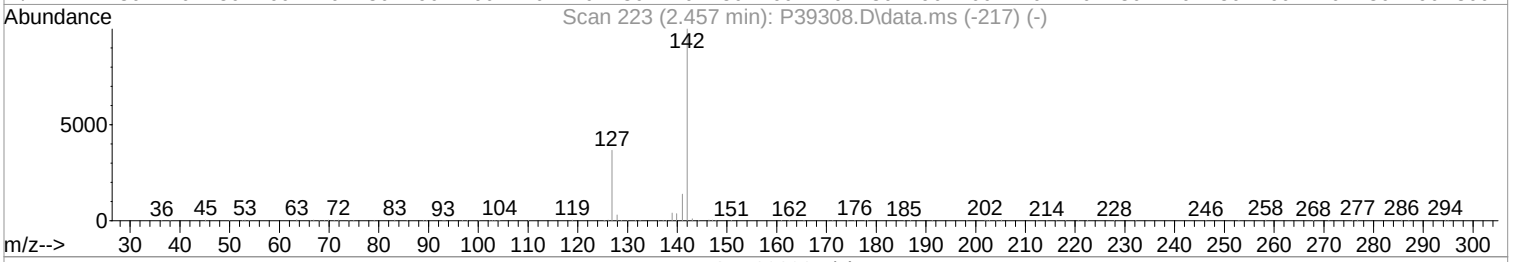
Quantitation Report (Qedit)

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

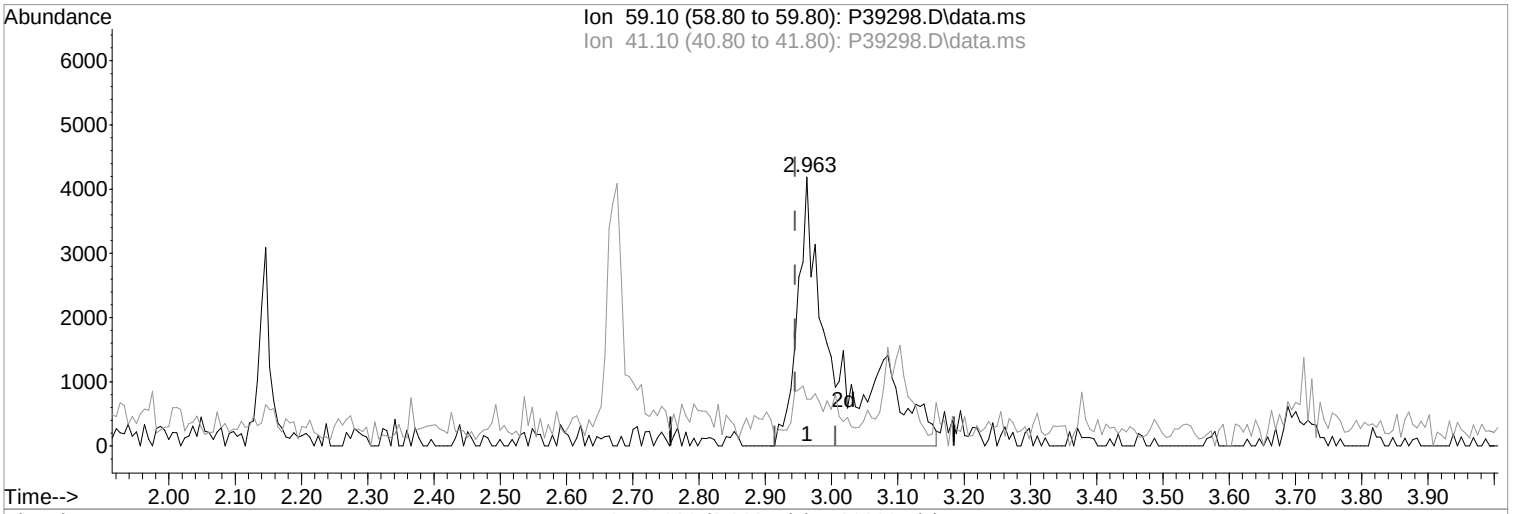
09/04/20

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) 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

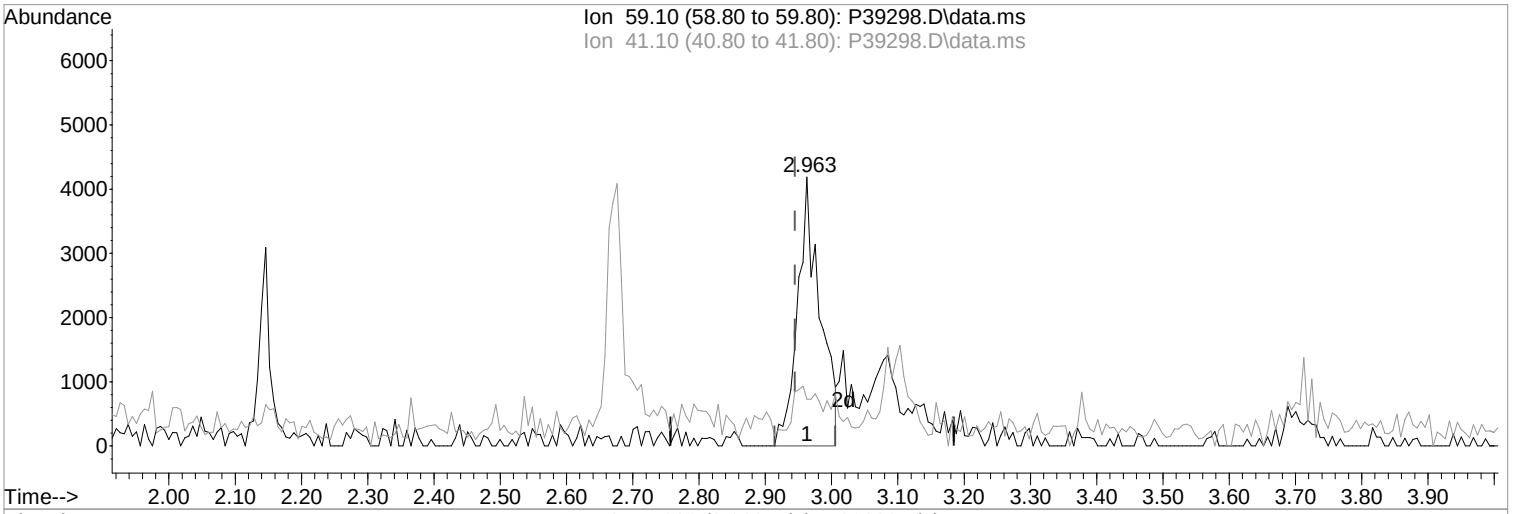
Poor integration.

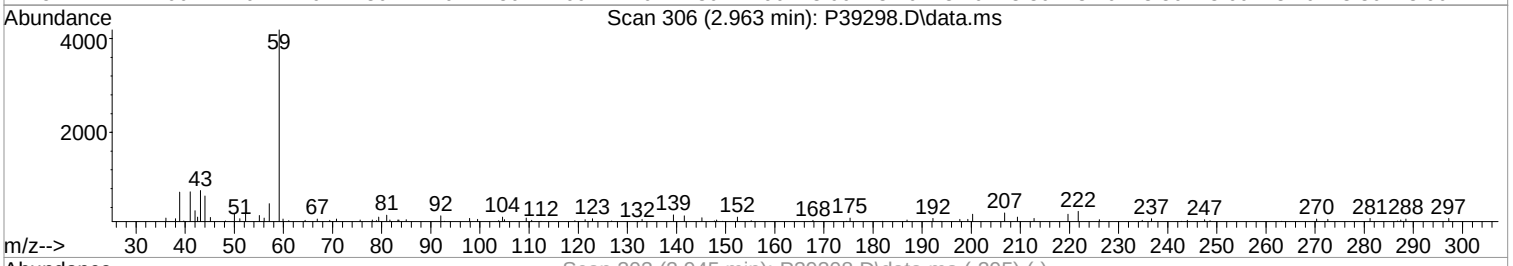
09/04/20

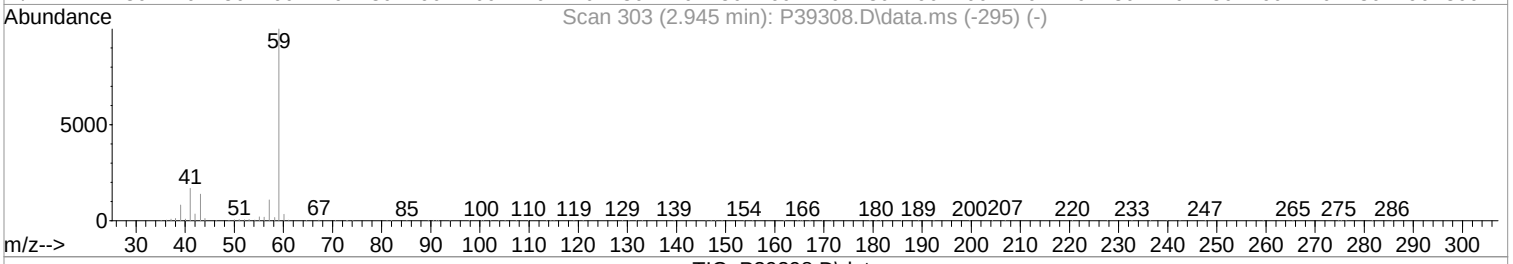
Quantitation Report (Qedit)

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

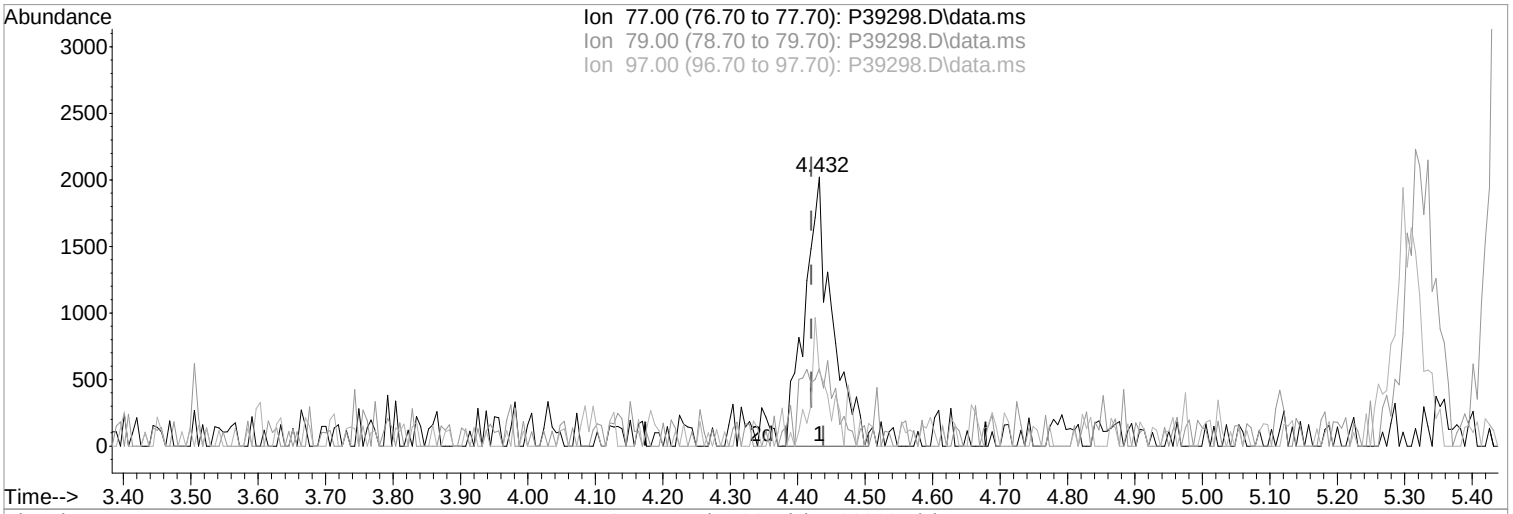
09/04/20

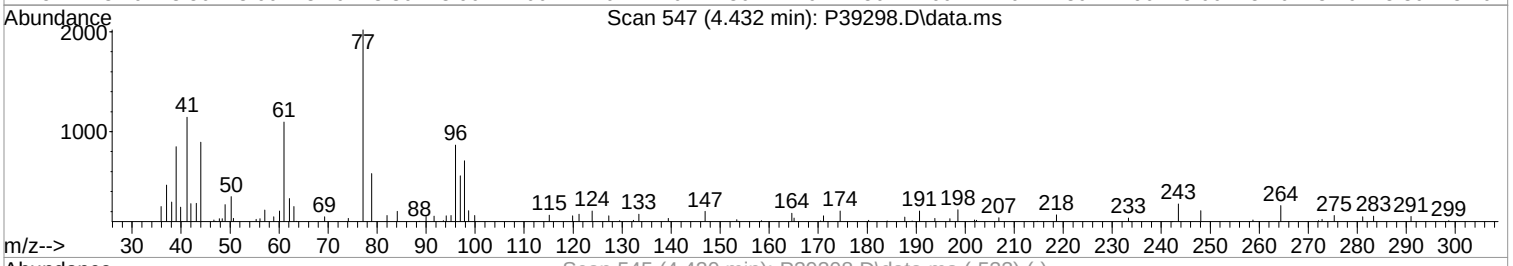
1st 09/05/20
2nd 09/05/20

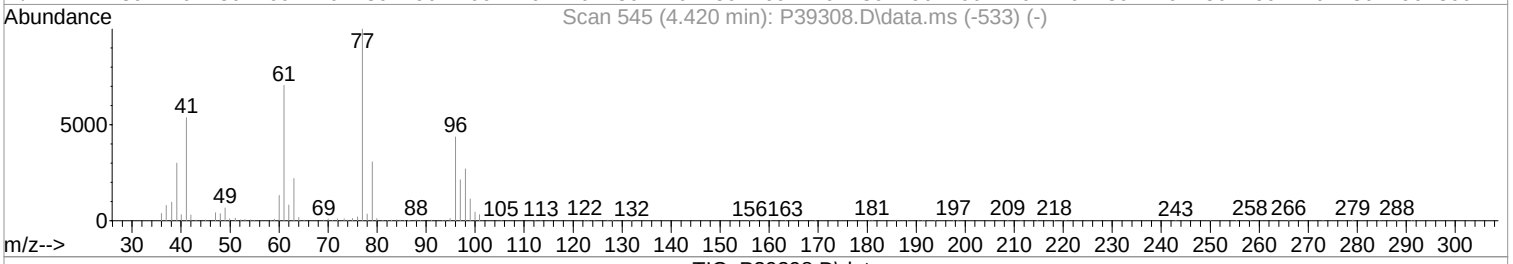
Quantitation Report (Qedit)

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.

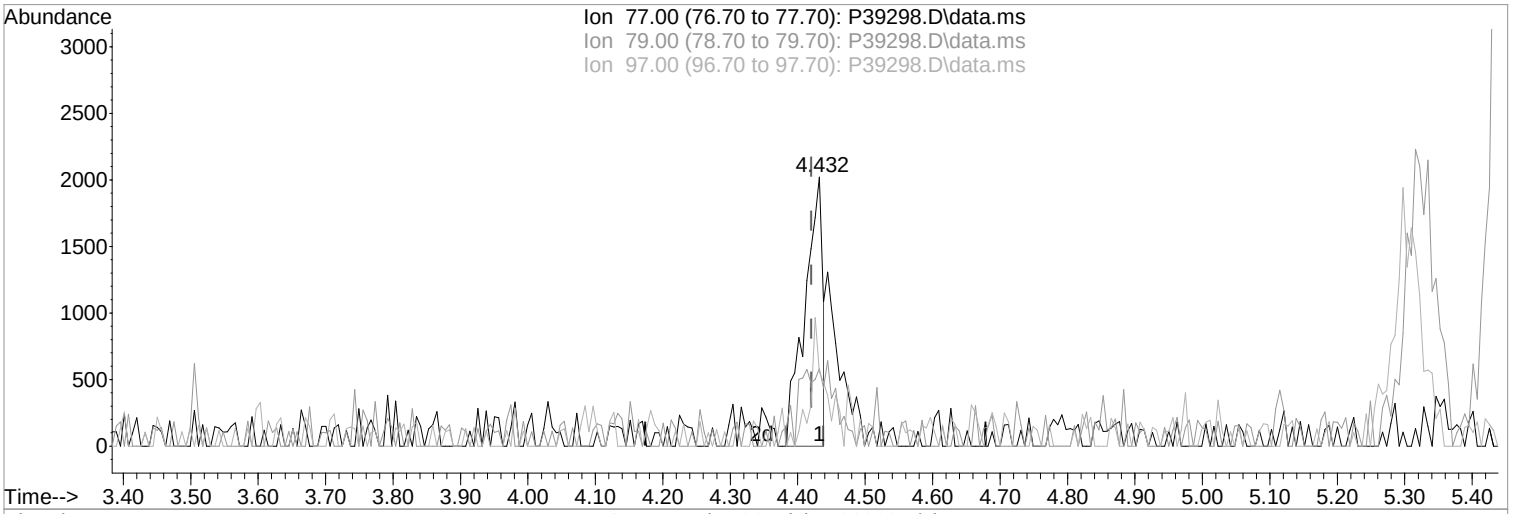
09/04/20

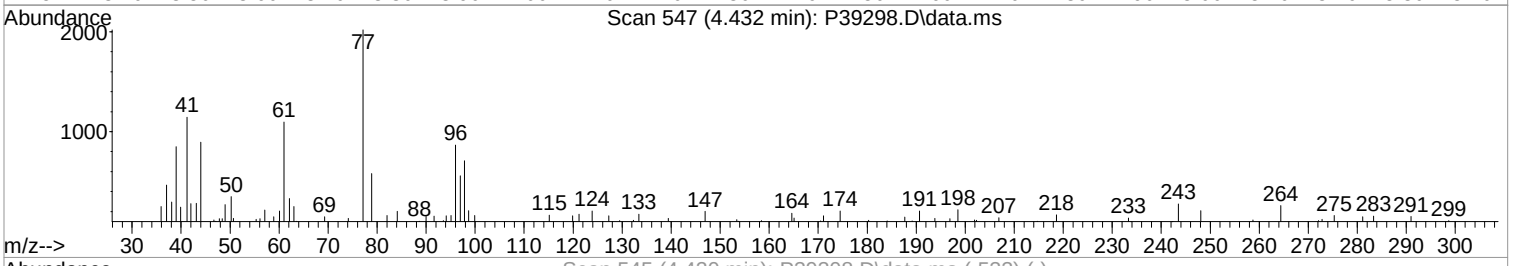
1st 09/05/20
2nd 09/05/20

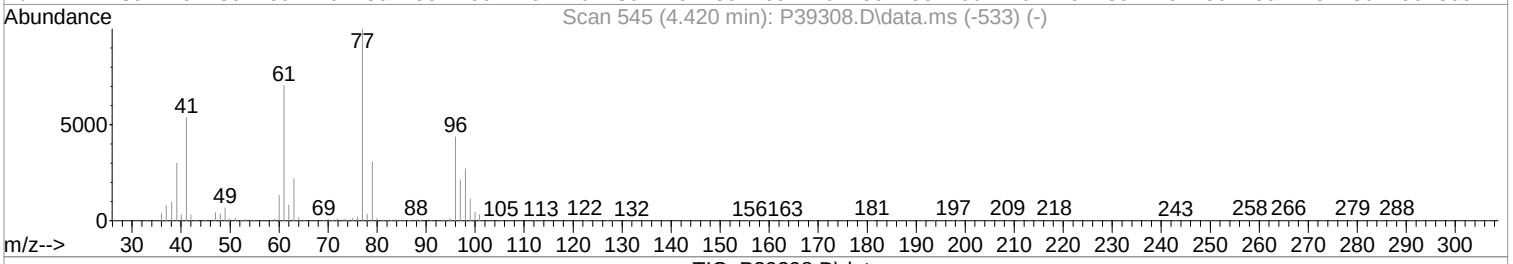
Quantitation Report (Qedit)

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

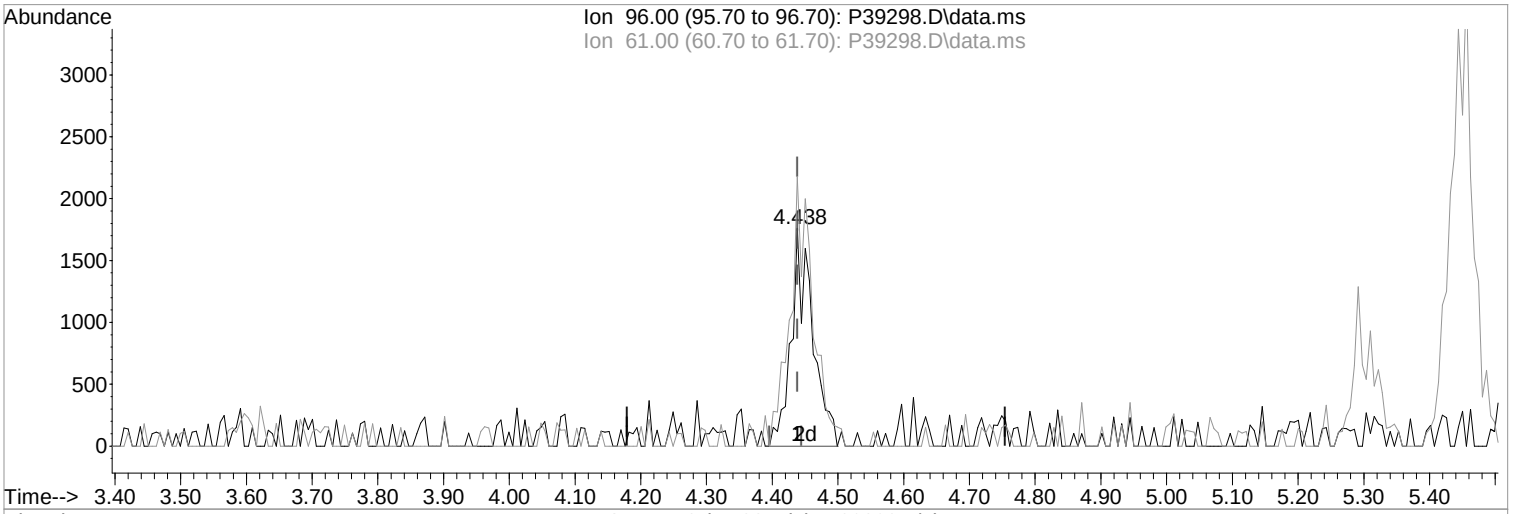
09/04/20

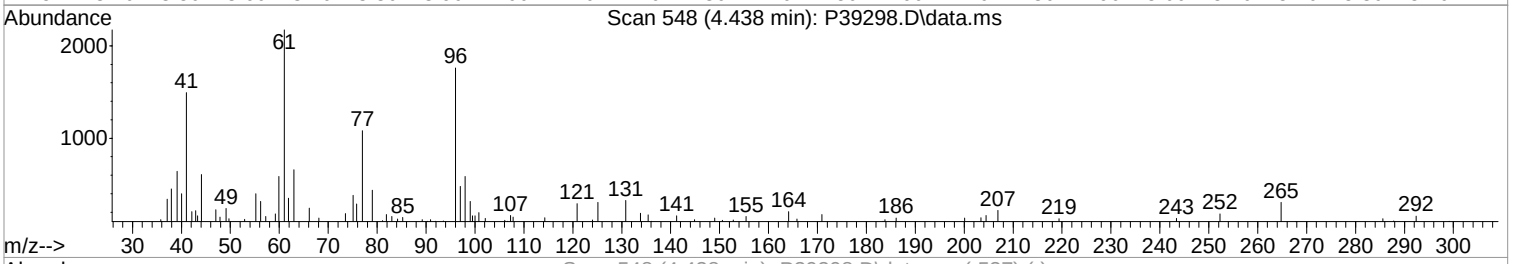
1st 09/05/20
2nd 09/05/20

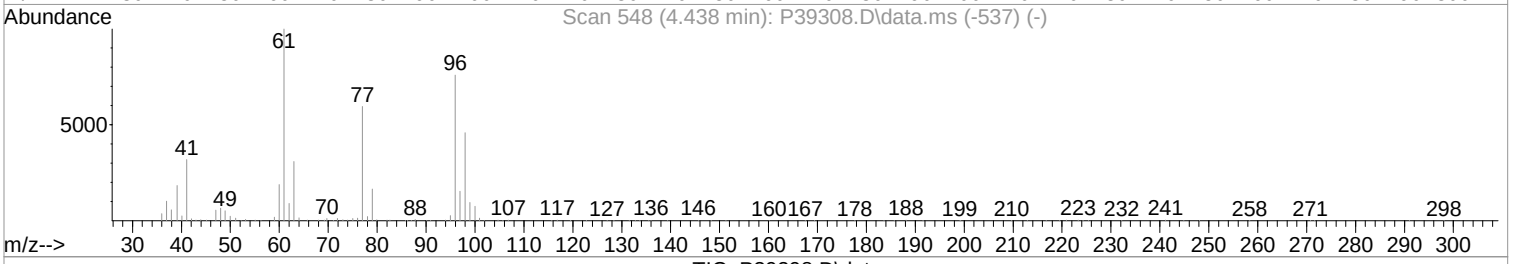
Quantitation Report (Qedit)

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

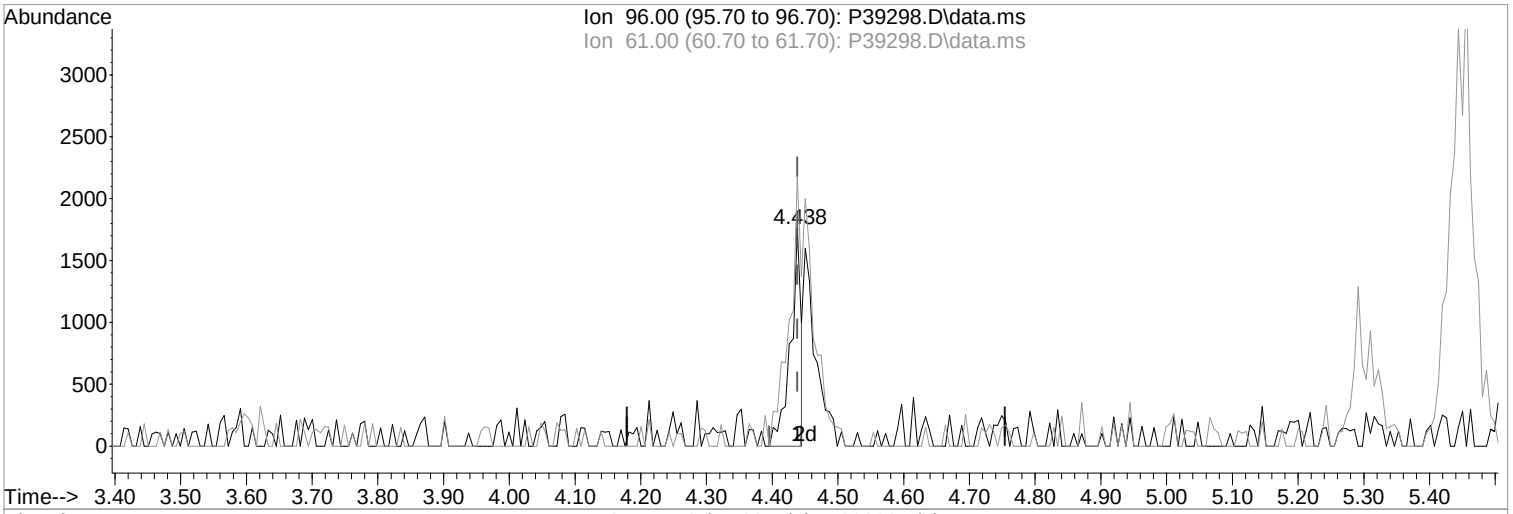
09/04/20

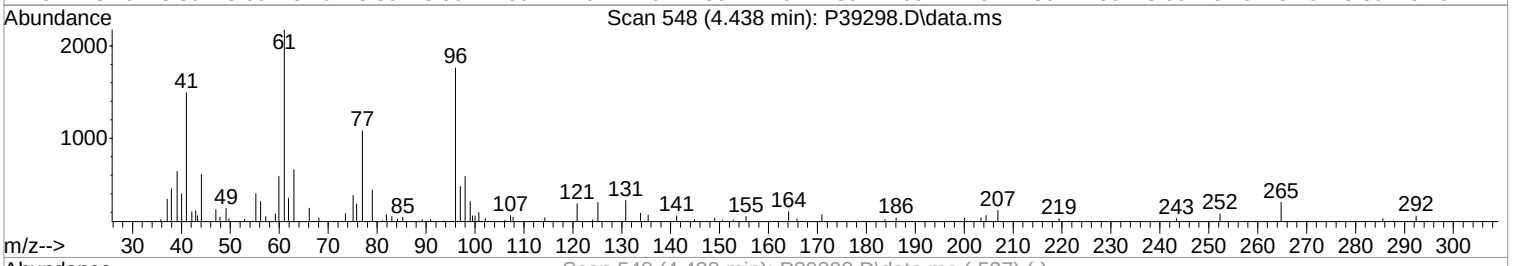
1st 09/05/20
2nd 09/05/20

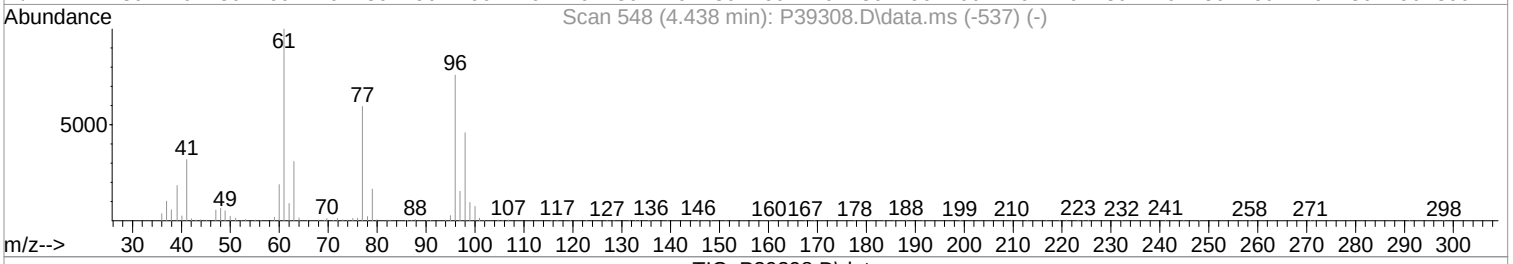
Quantitation Report (Qedit)

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

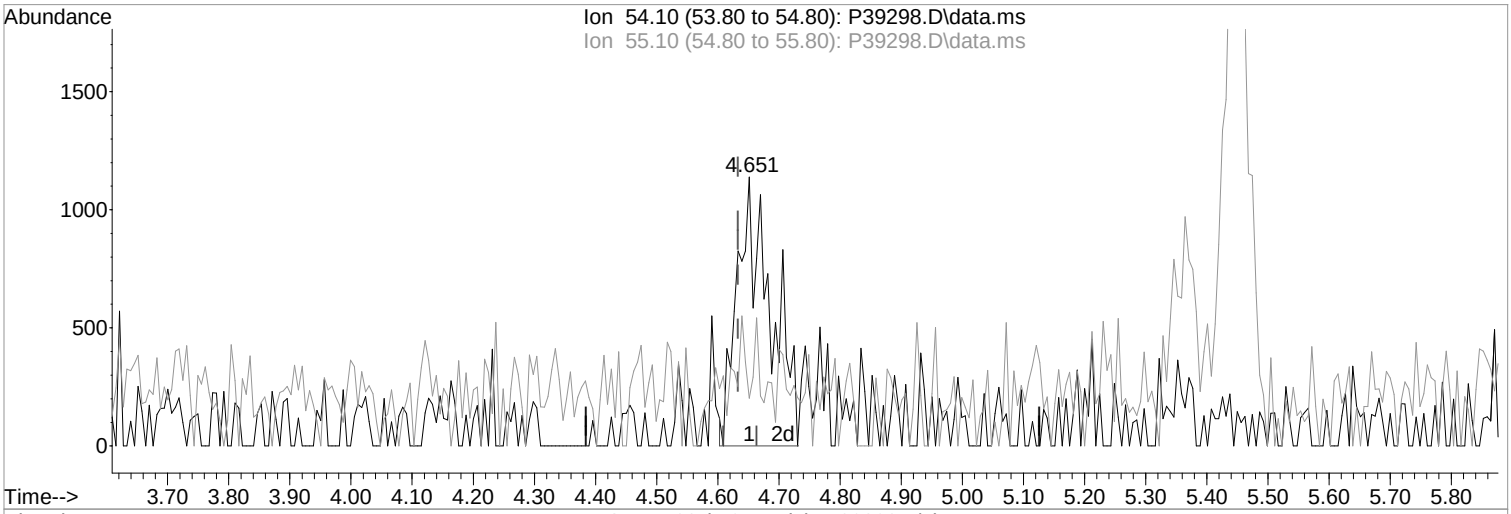
09/04/20

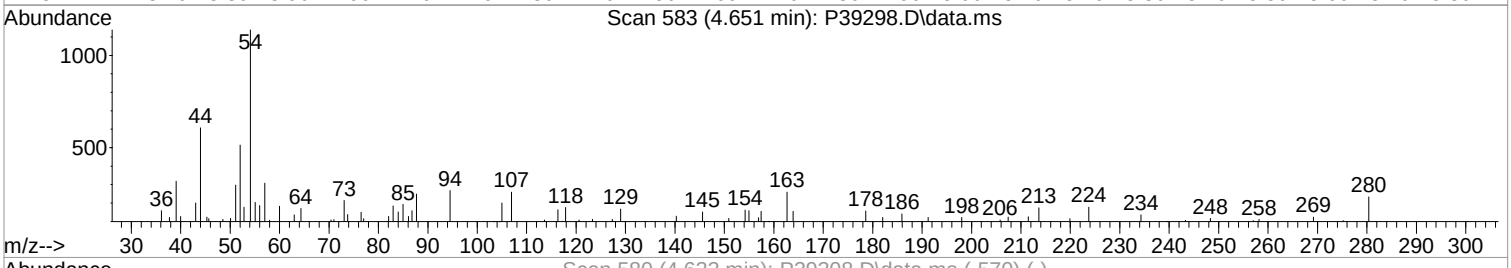
1st 09/05/20
2nd 09/05/20

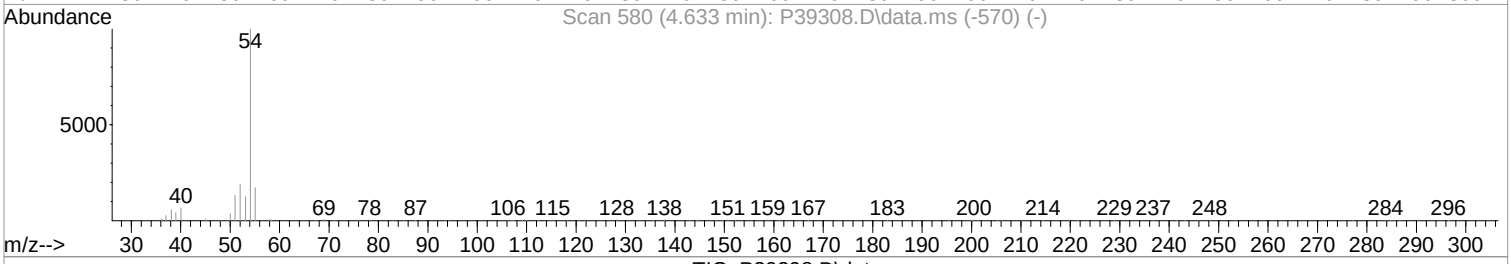
Quantitation Report (Qedit)

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

(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.

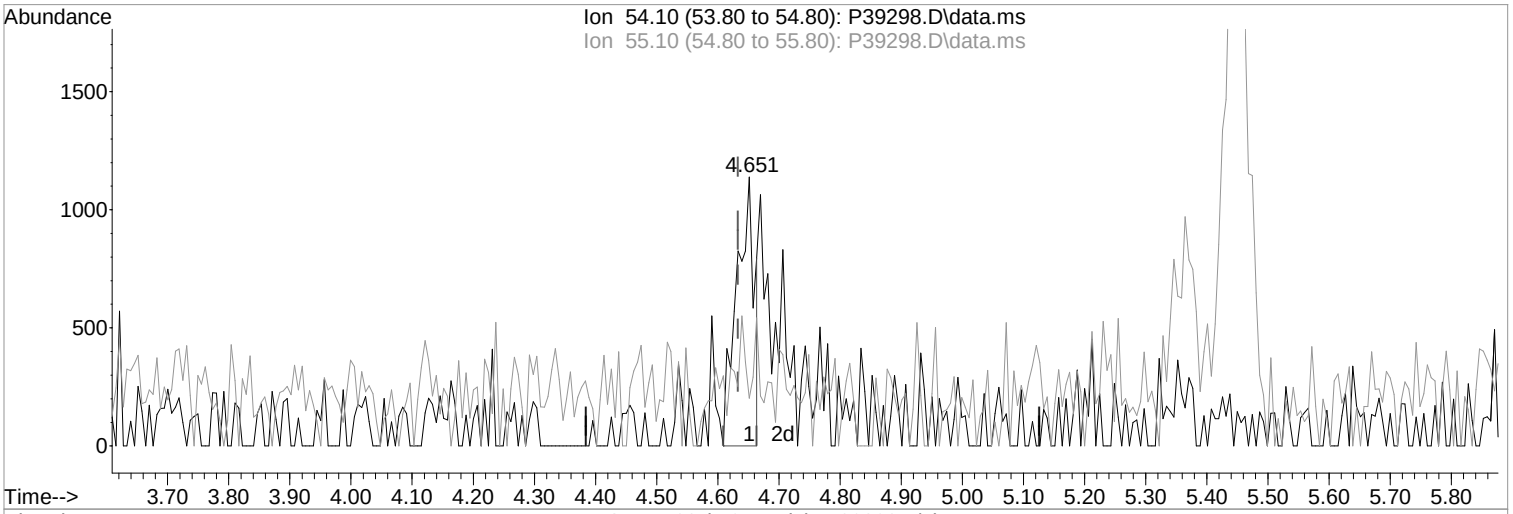
09/04/20

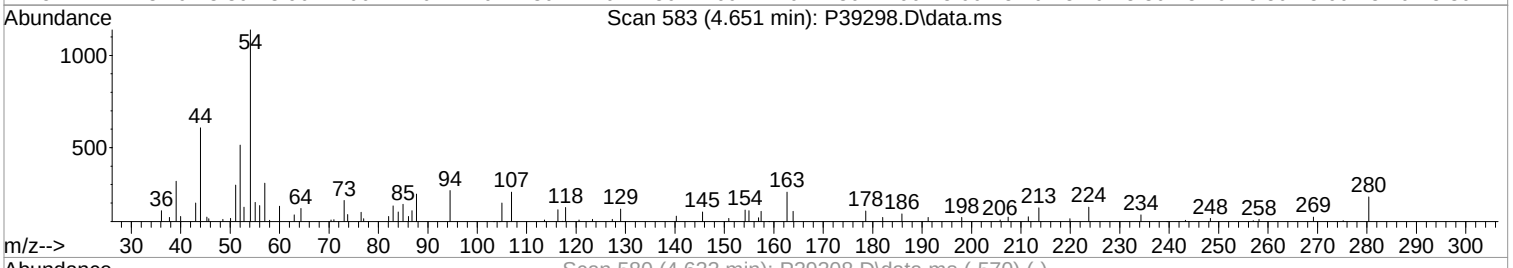
1st 09/05/20
2nd 09/05/20

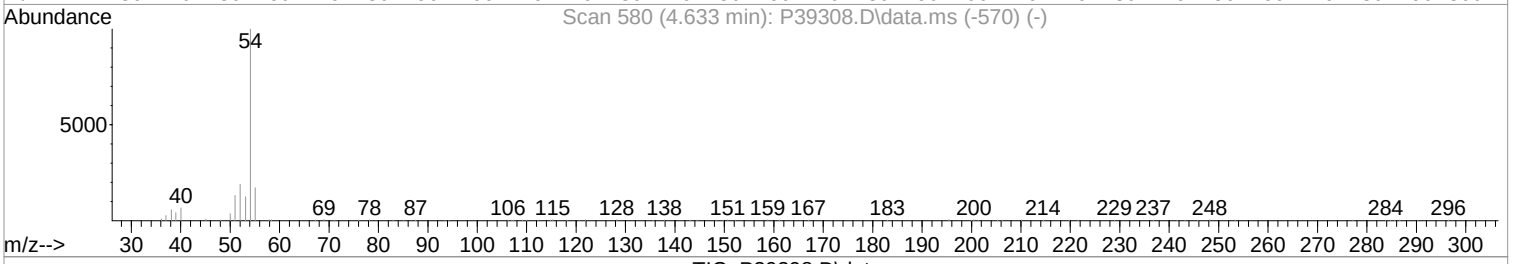
Quantitation Report (Qedit)

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

(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

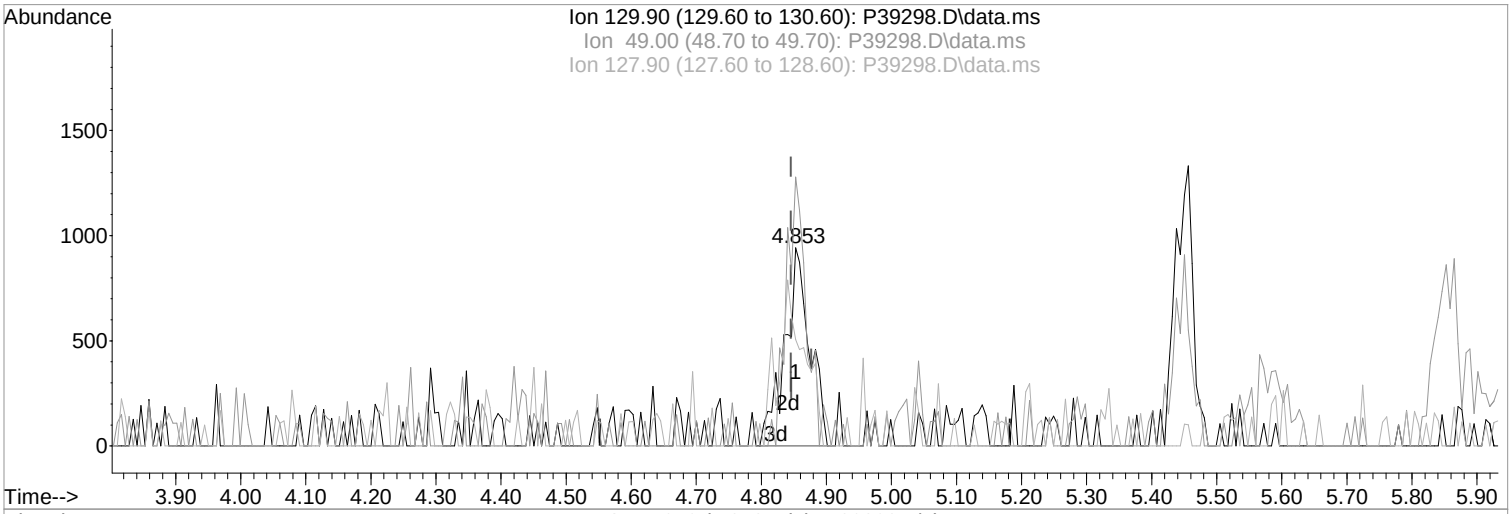
09/04/20

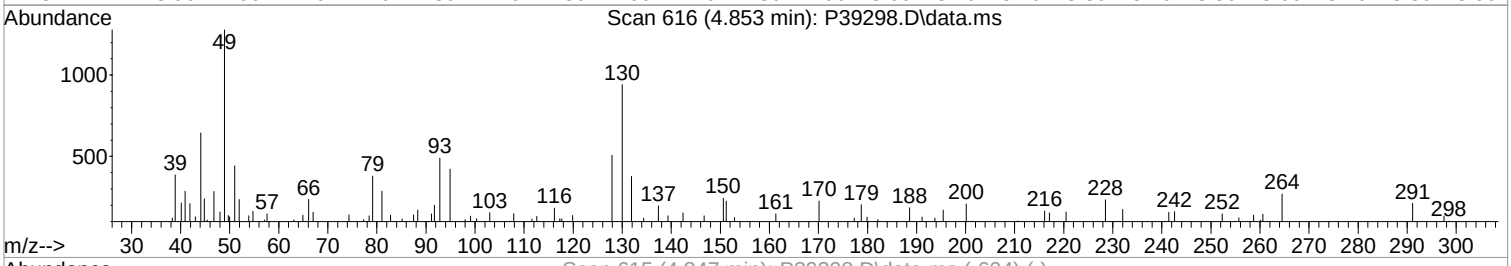
1st 09/05/20
2nd 09/05/20

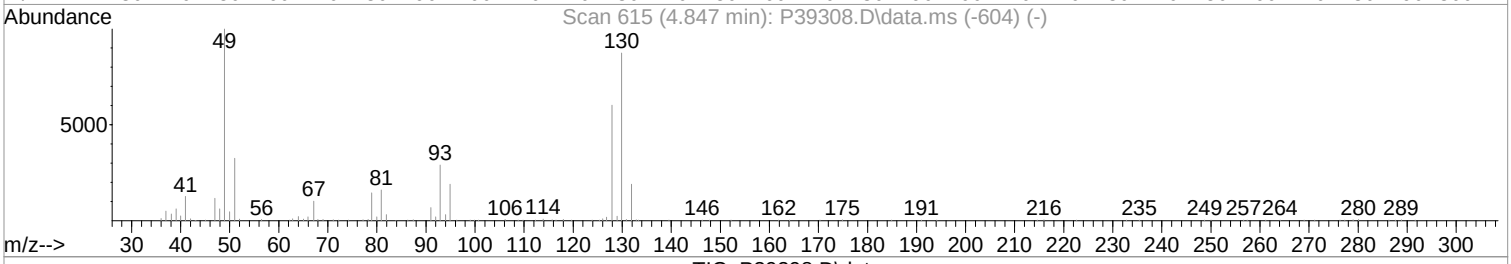
Quantitation Report (Qedit)

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.

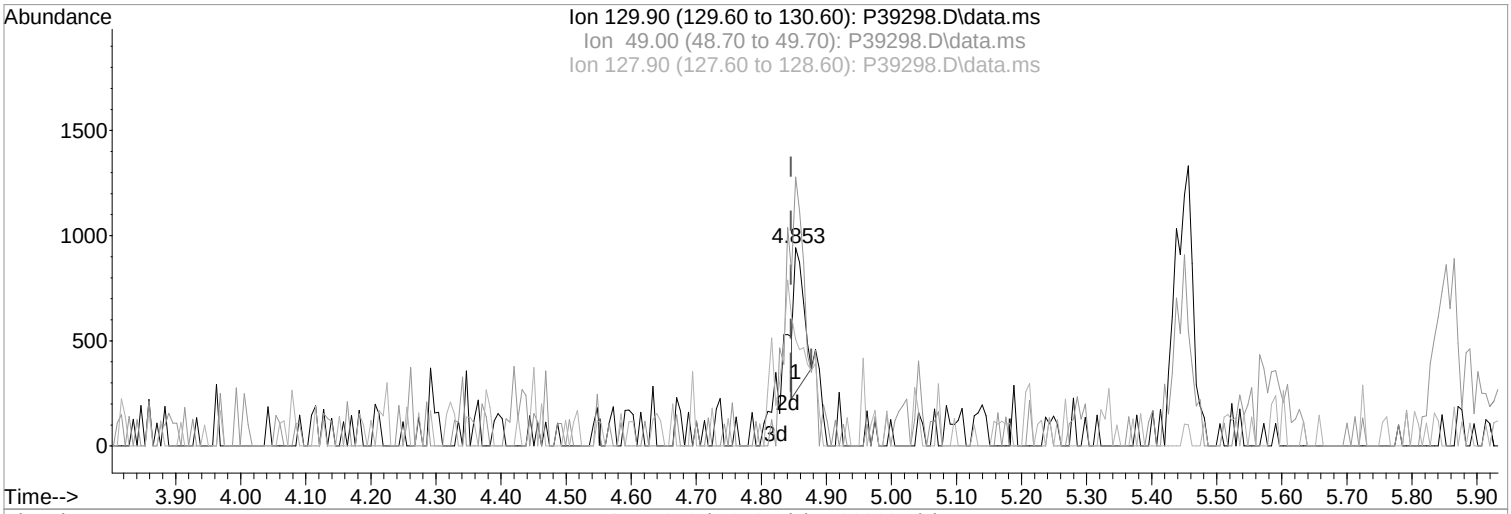
09/04/20

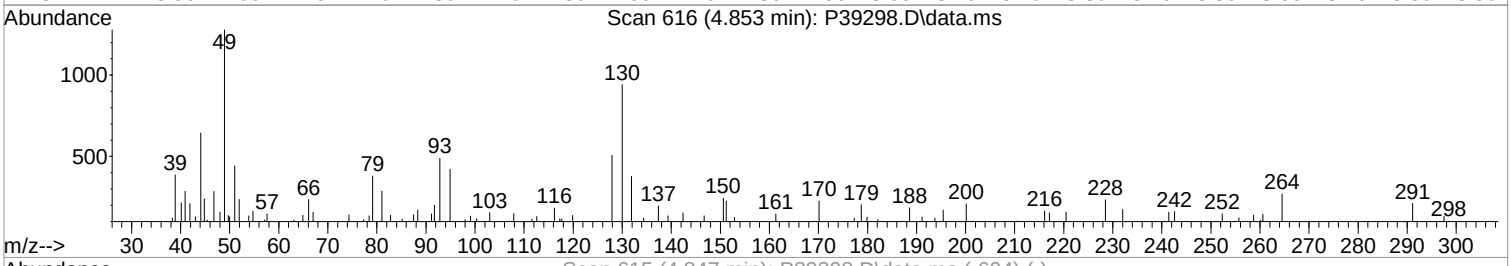
1st 09/05/20
2nd 09/05/20

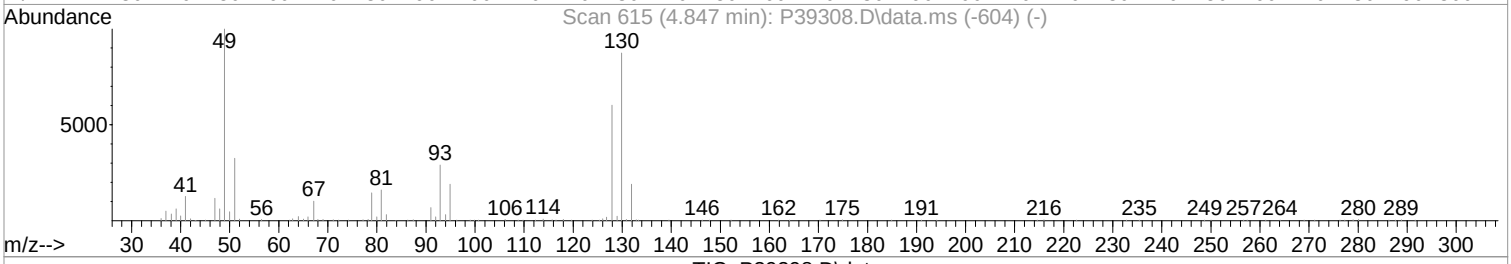
Quantitation Report (Qedit)

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

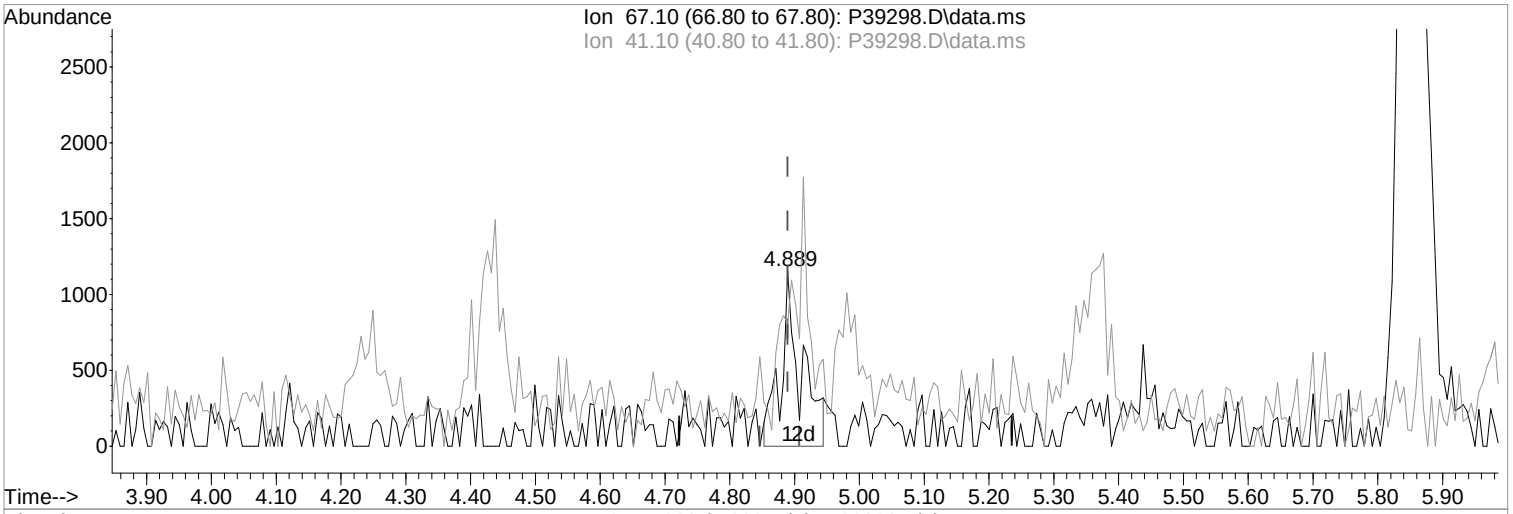
09/04/20

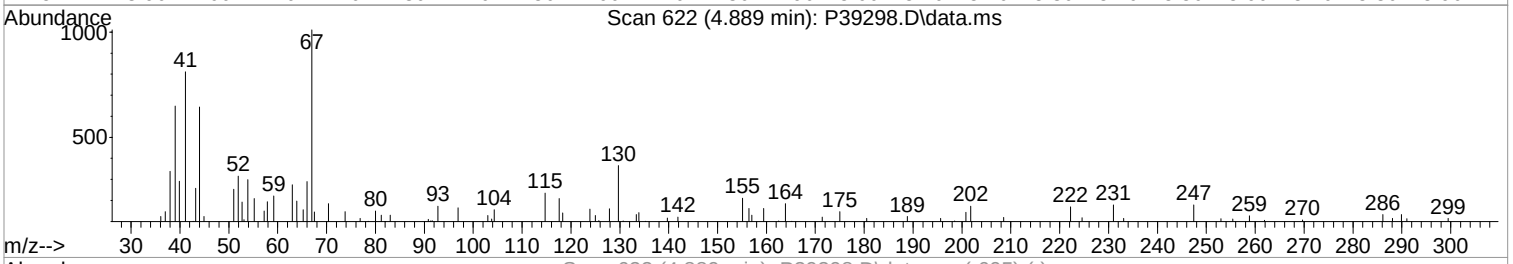
1st 09/05/20
2nd 09/05/20

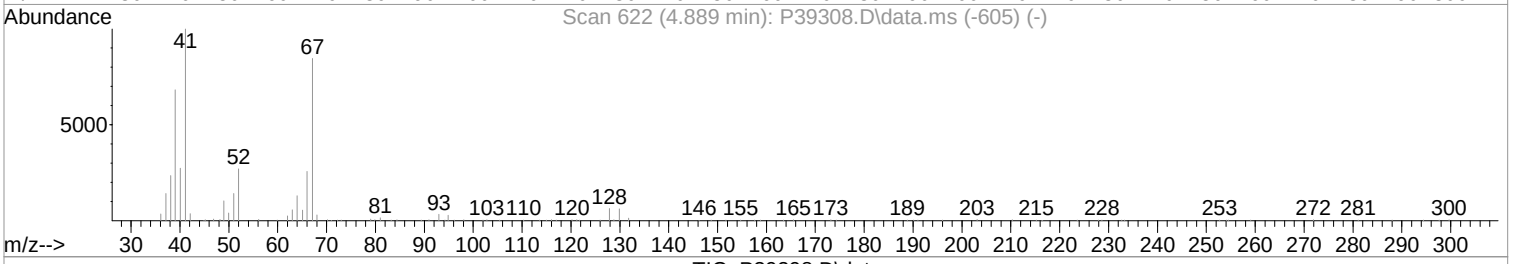
Quantitation Report (Qedit)

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

(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

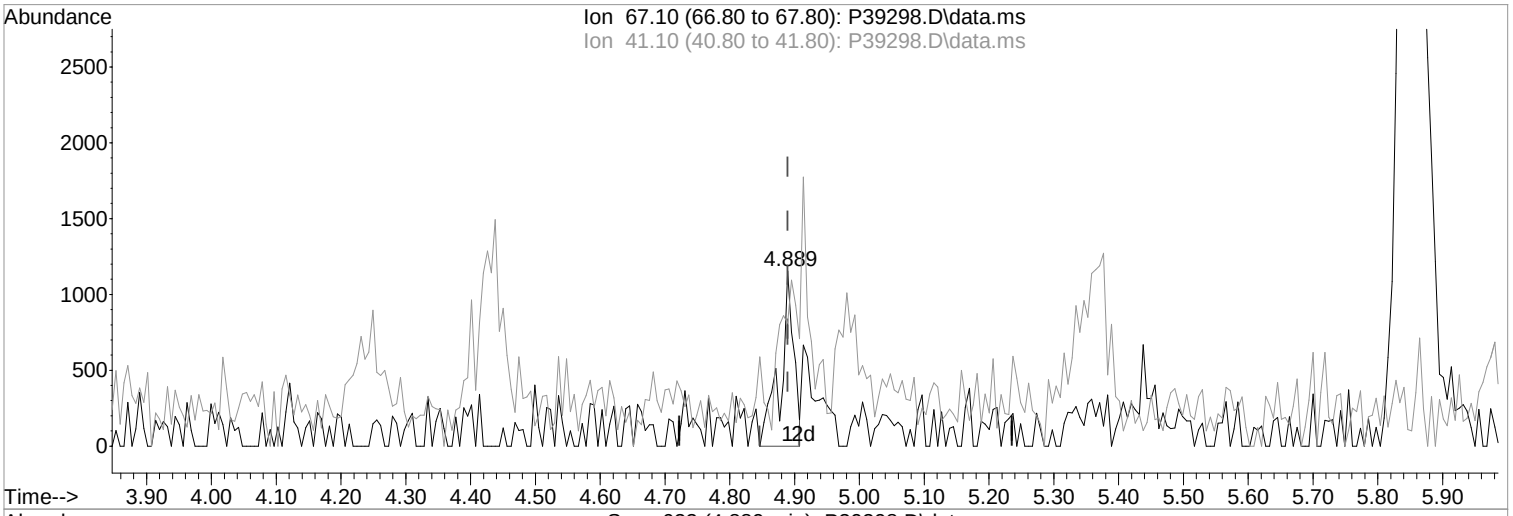
Poor integration.

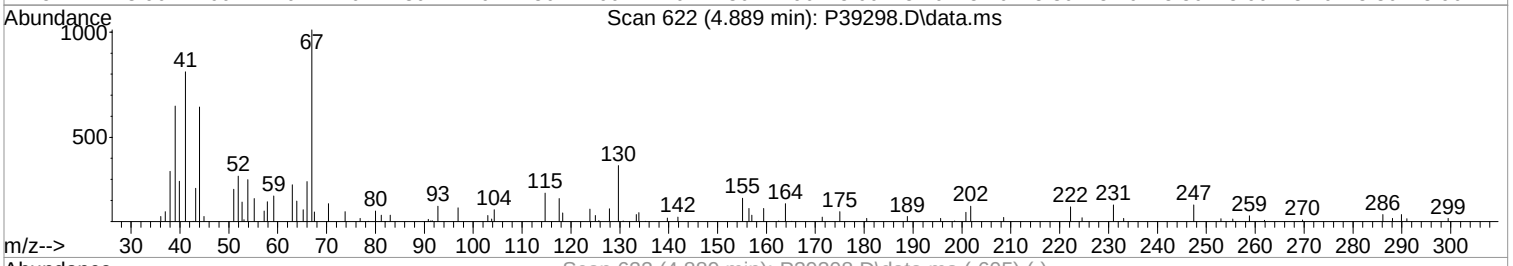
09/04/20

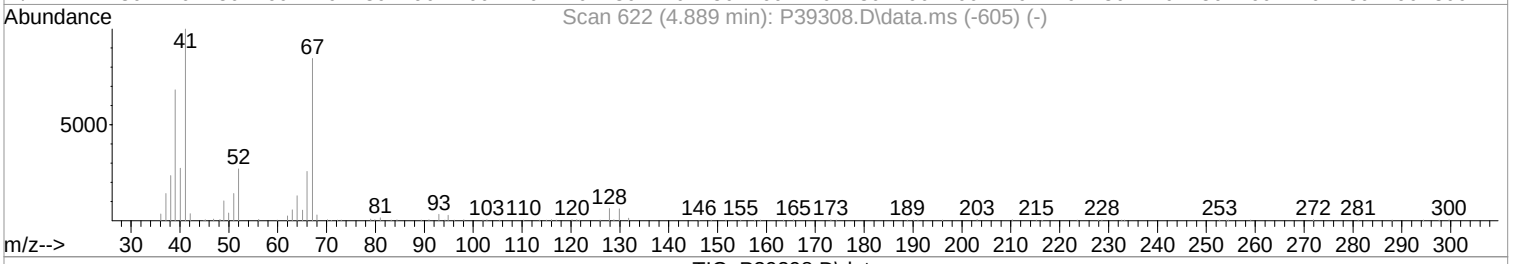
Quantitation Report (Qedit)

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:

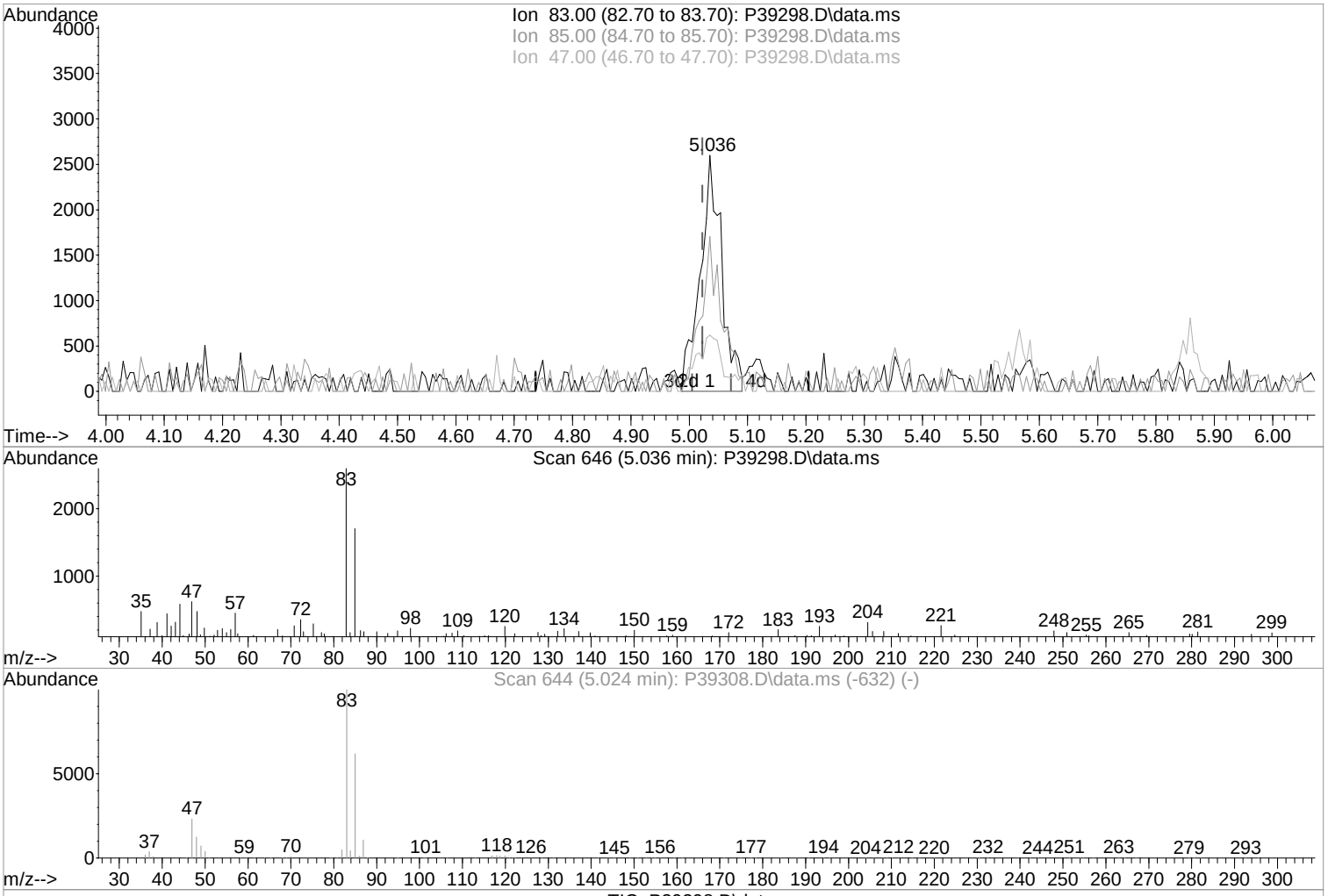
Before

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.

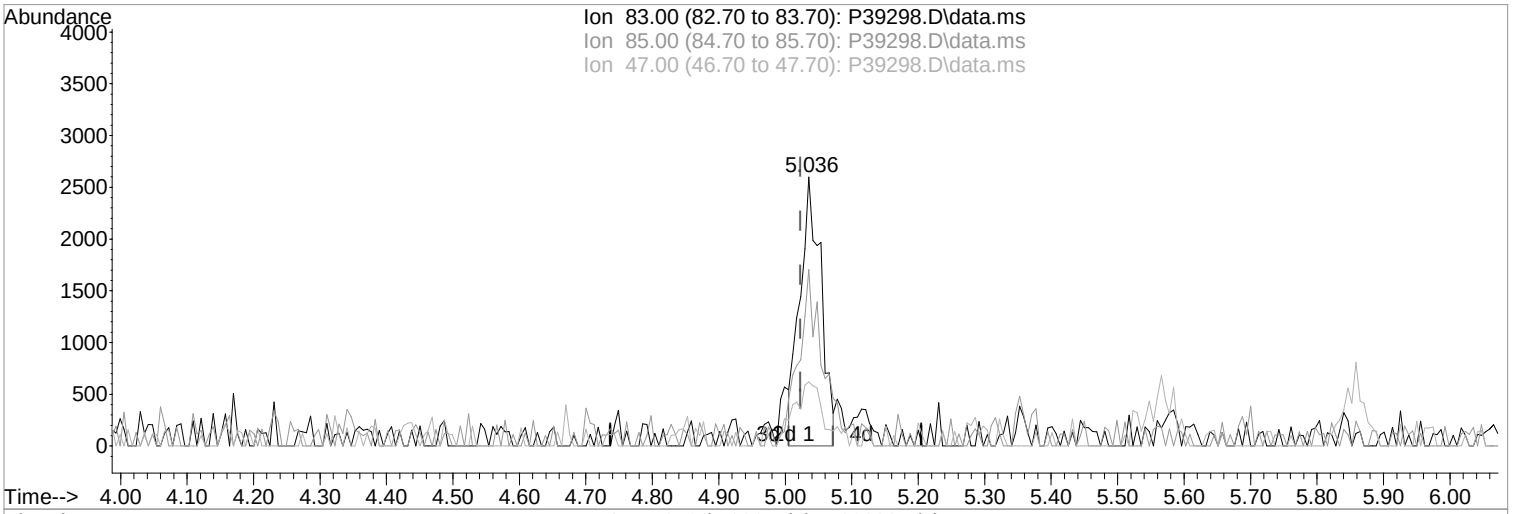
09/04/20

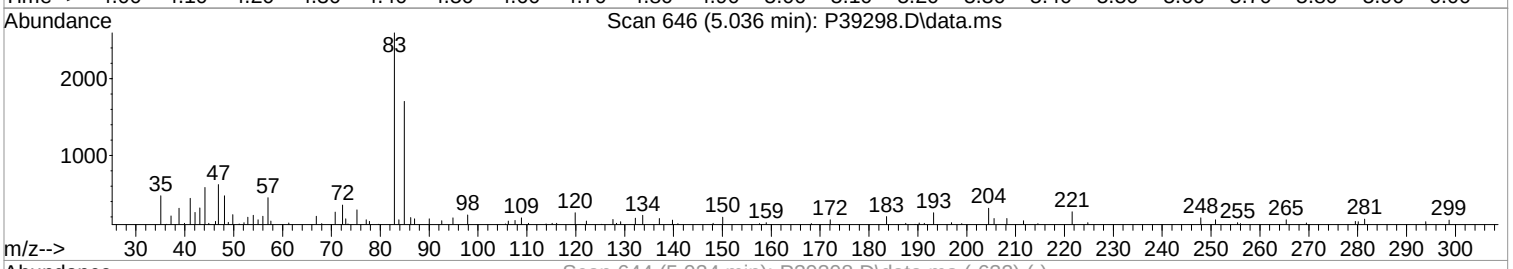
1st 09/05/20
2nd 09/05/20

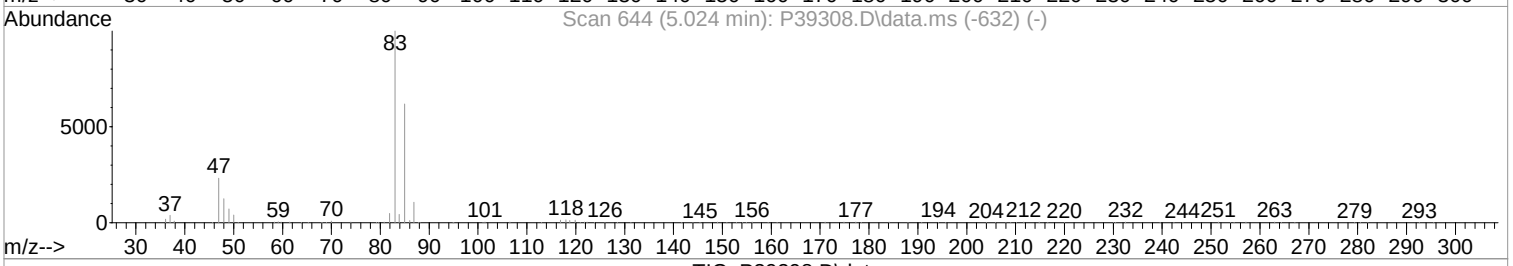
Quantitation Report (Qedit)

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:

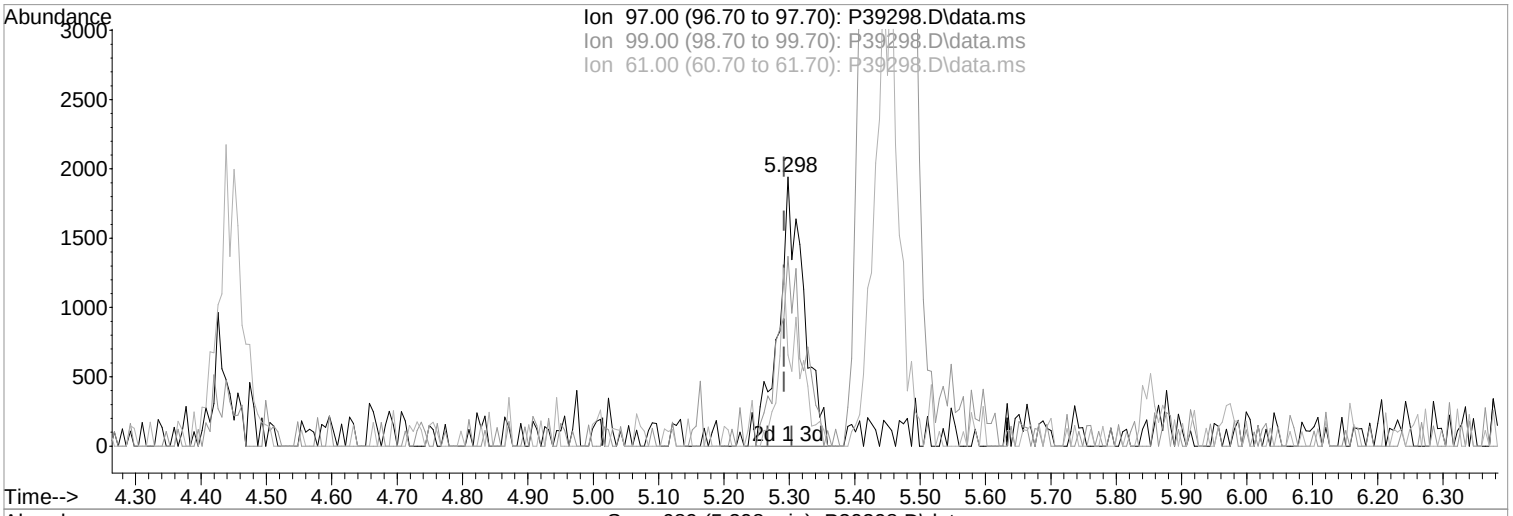
Before

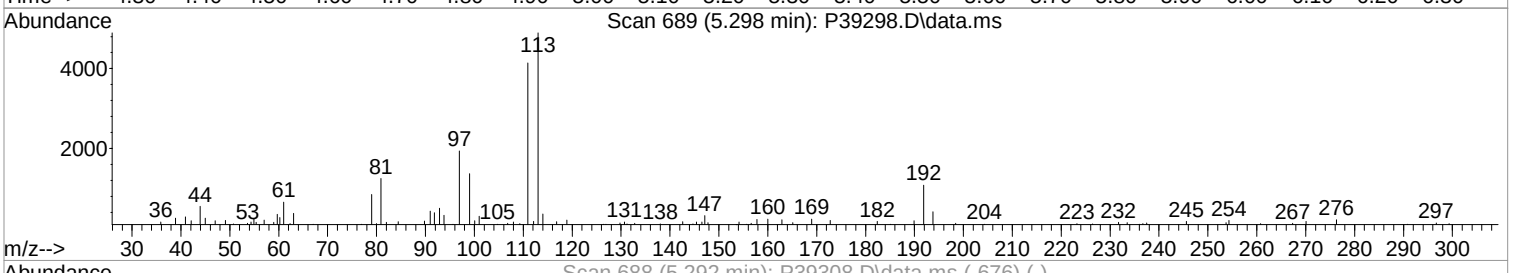
09/04/20

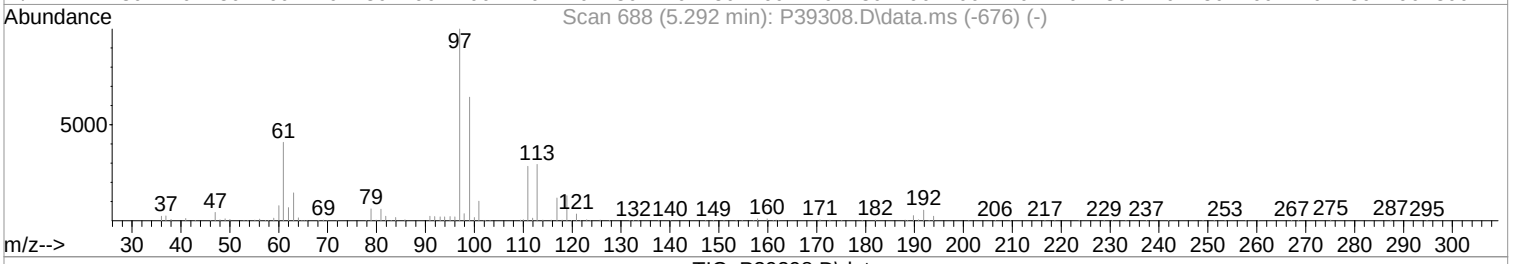
Quantitation Report (Qedit)

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

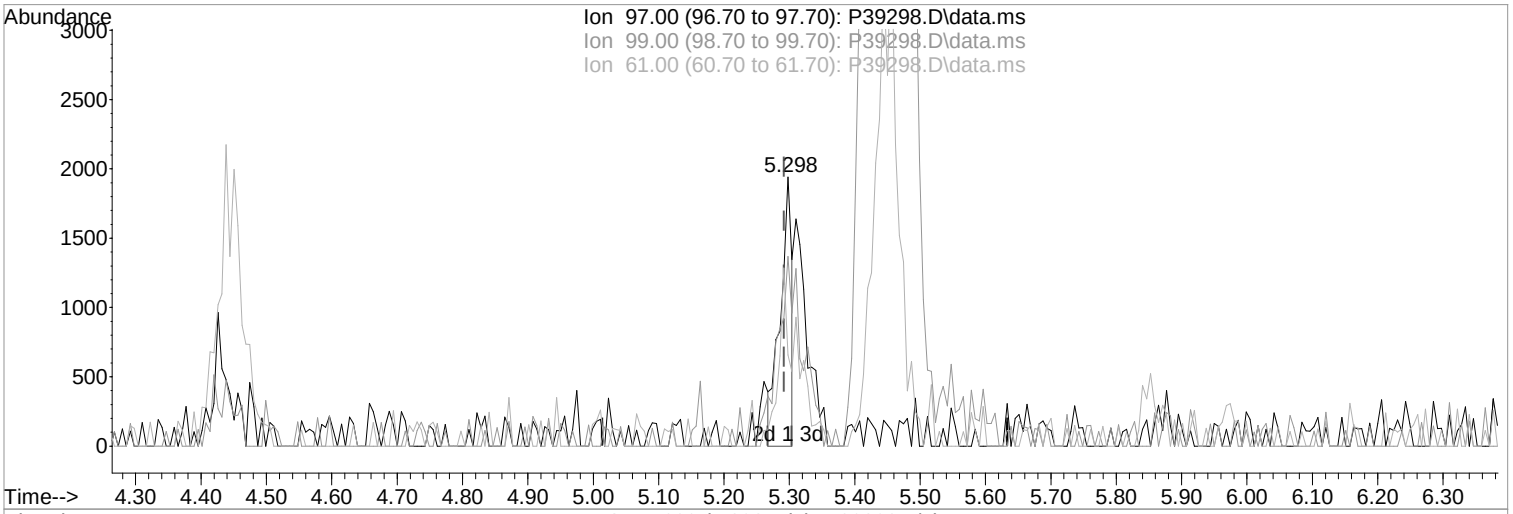
Poor integration.

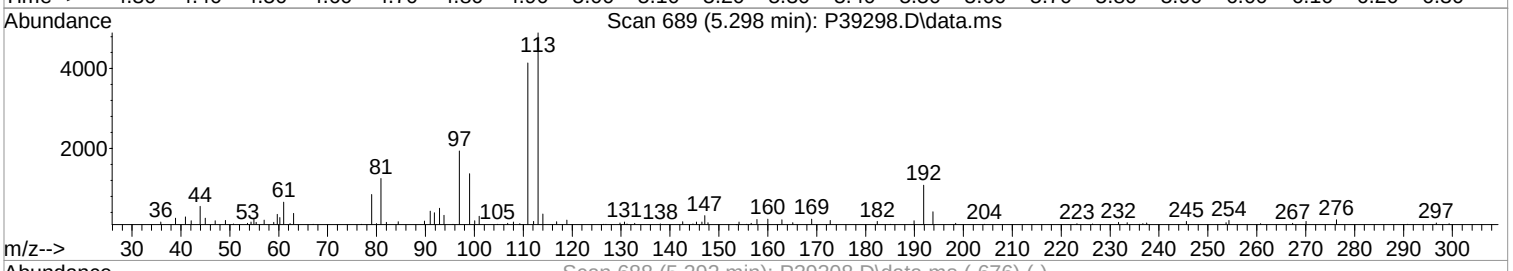
09/04/20

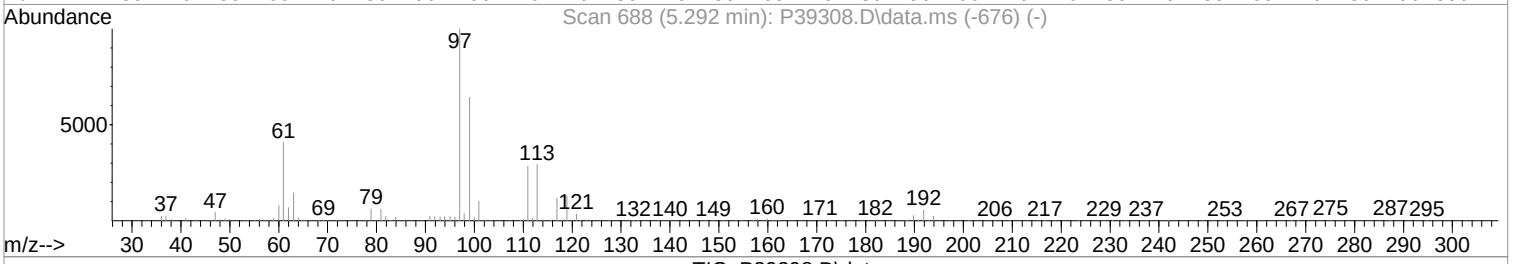
Quantitation Report (Qedit)

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

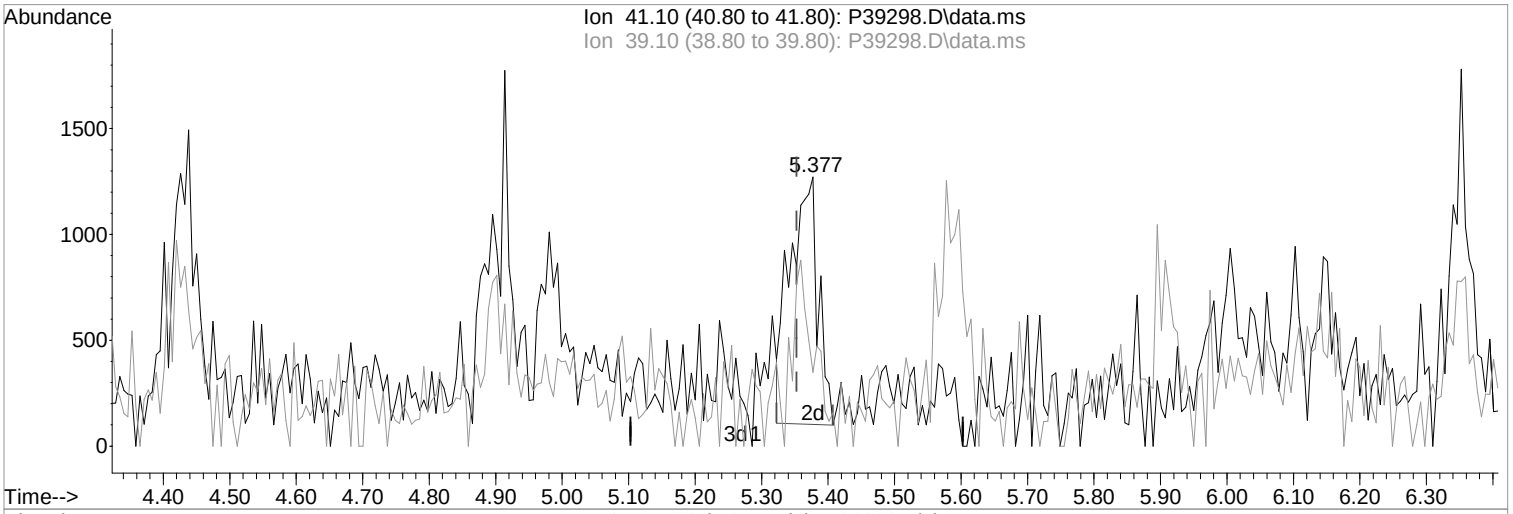
09/04/20

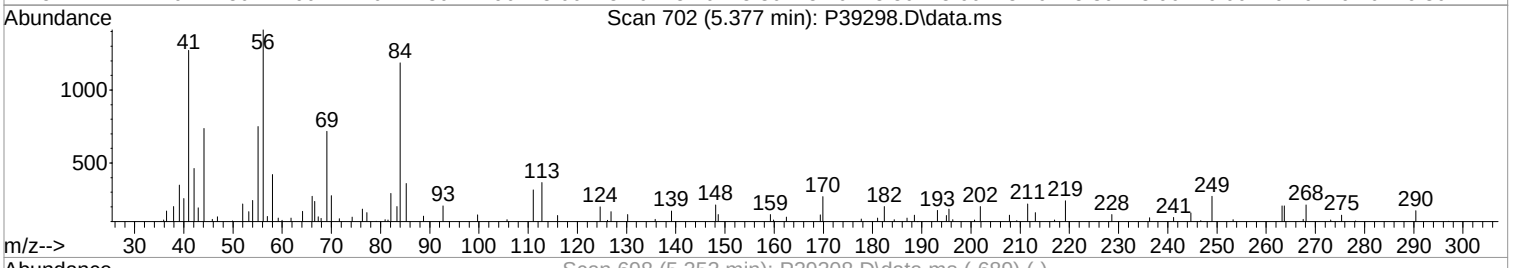
1st 09/05/20
2nd 09/05/20

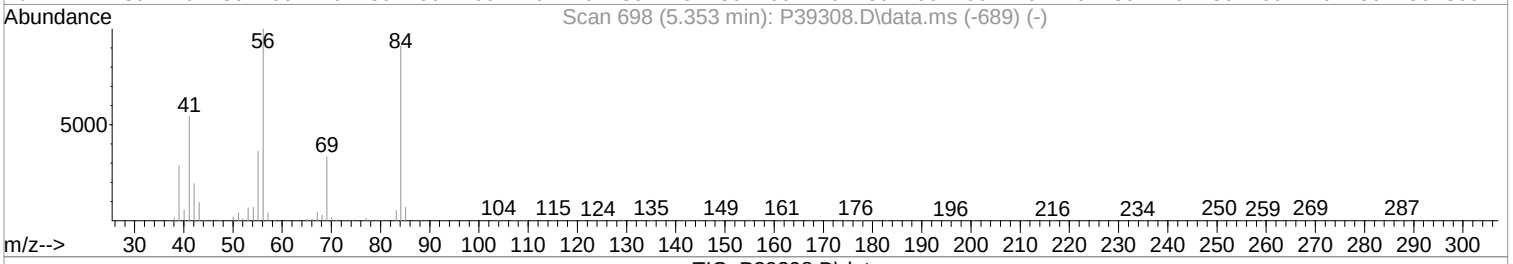
Quantitation Report (Qedit)

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

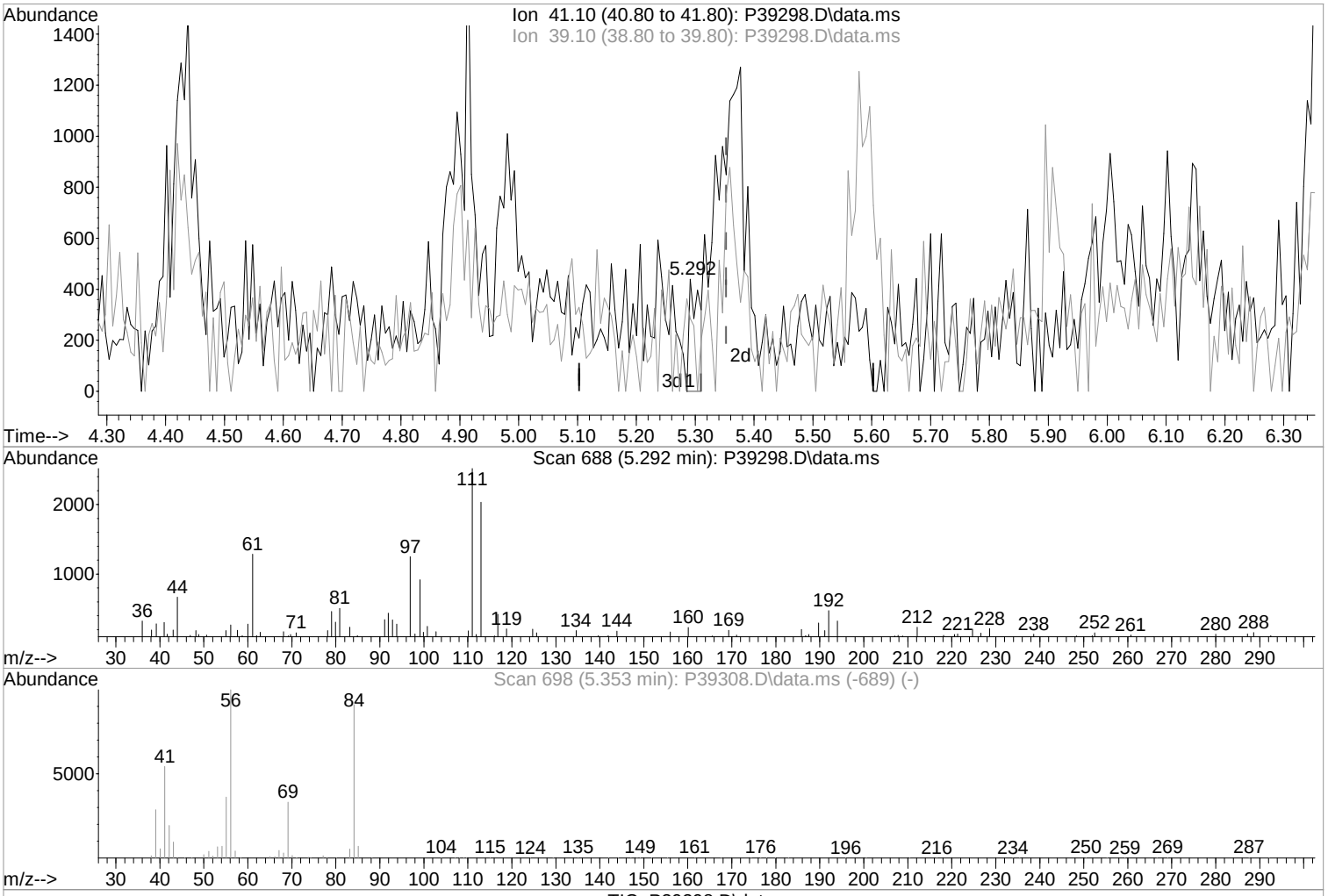
Poor integration.

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:

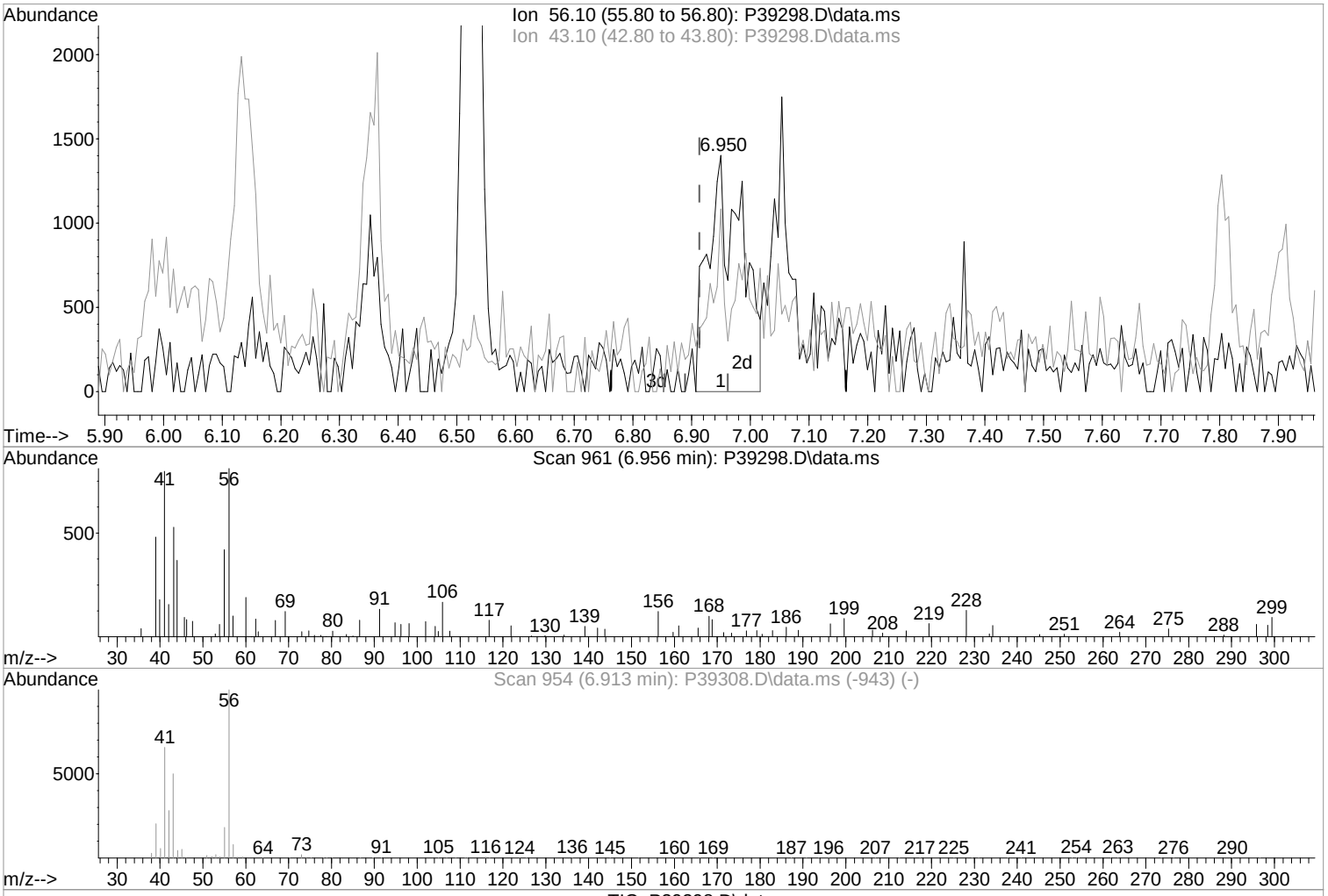
Before

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

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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

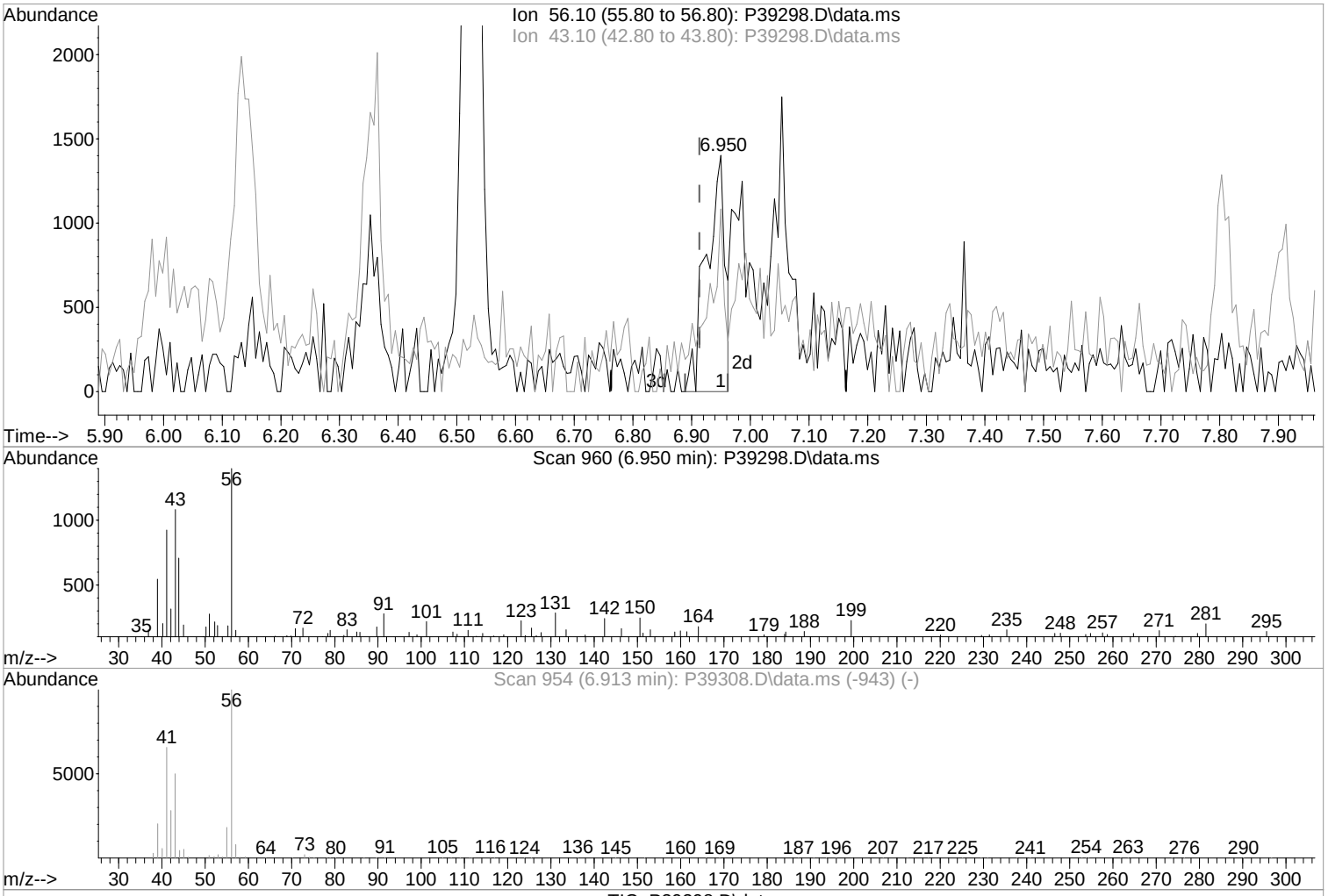
Poor integration.

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

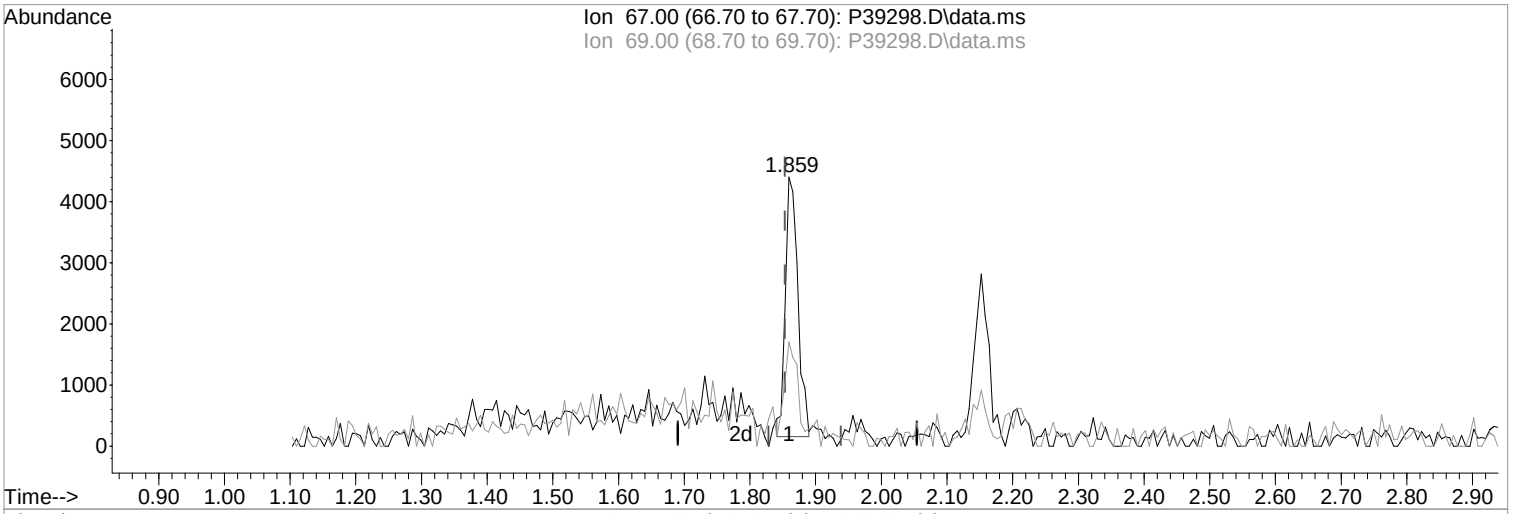
09/04/20

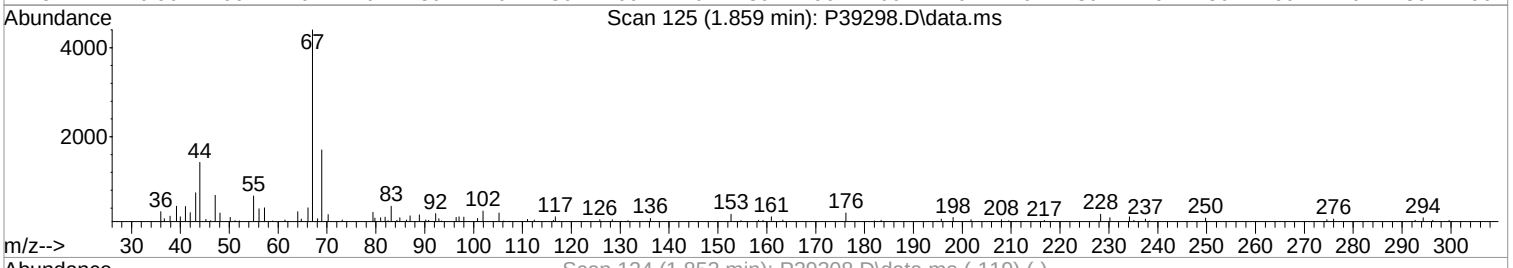
1st 09/05/20
2nd 09/05/20

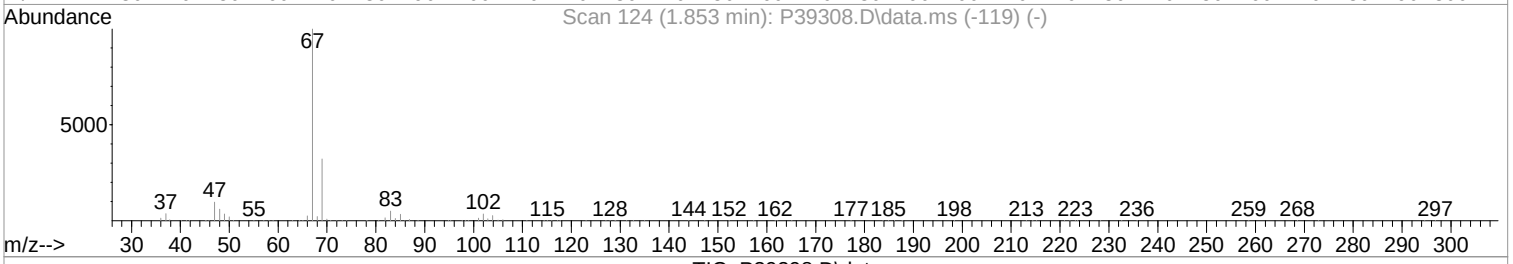
Quantitation Report (Qedit)

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

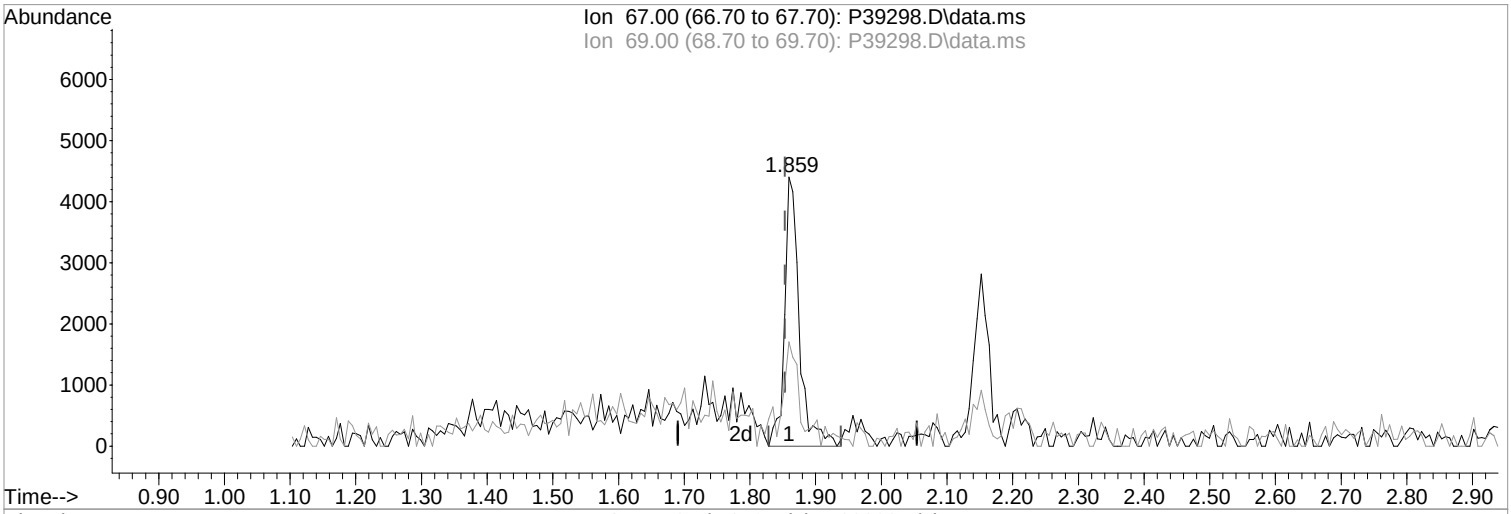
Poor integration.

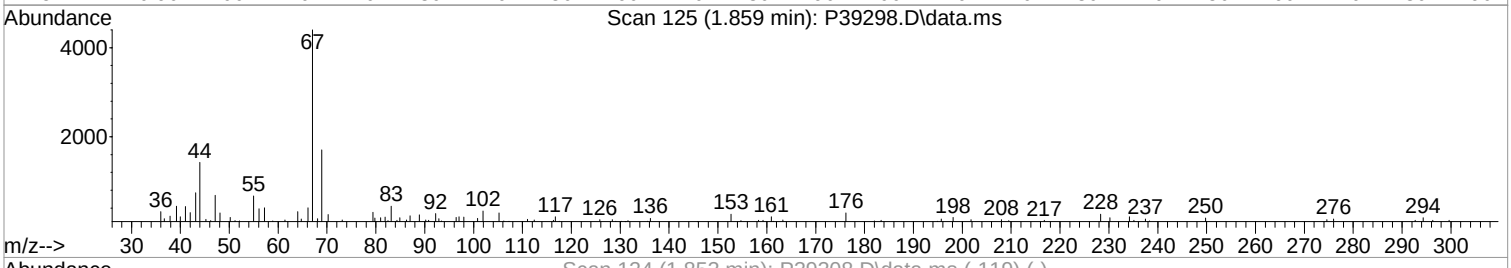
09/04/20

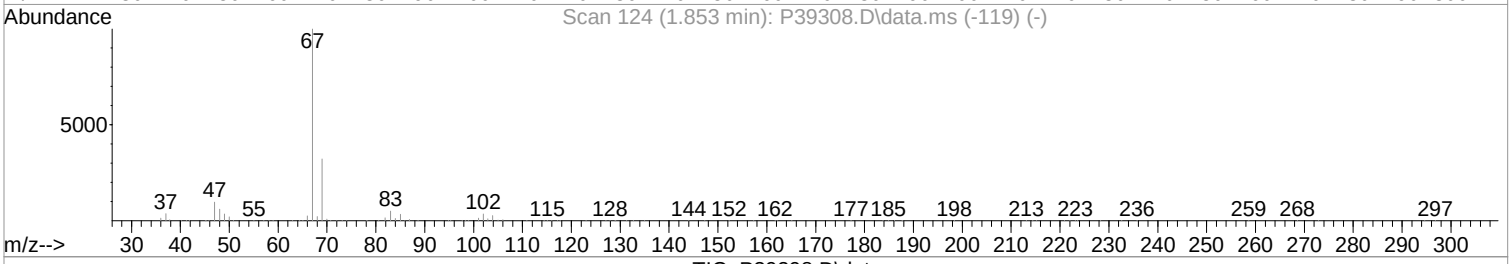
Quantitation Report (Qedit)

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

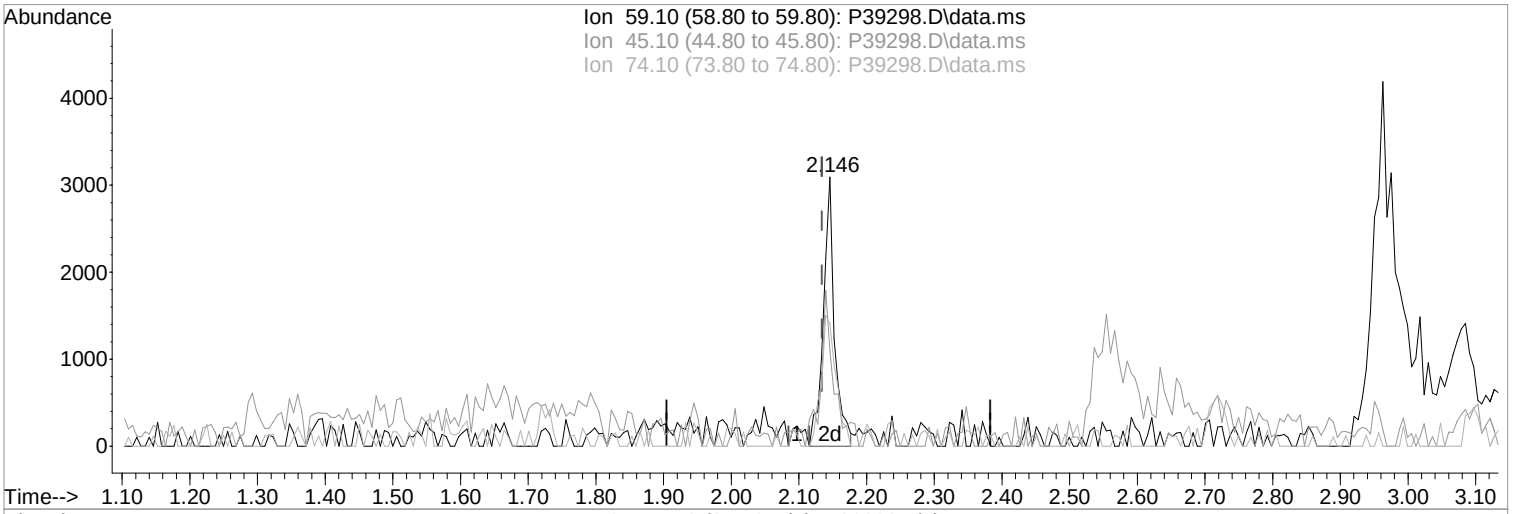
09/04/20

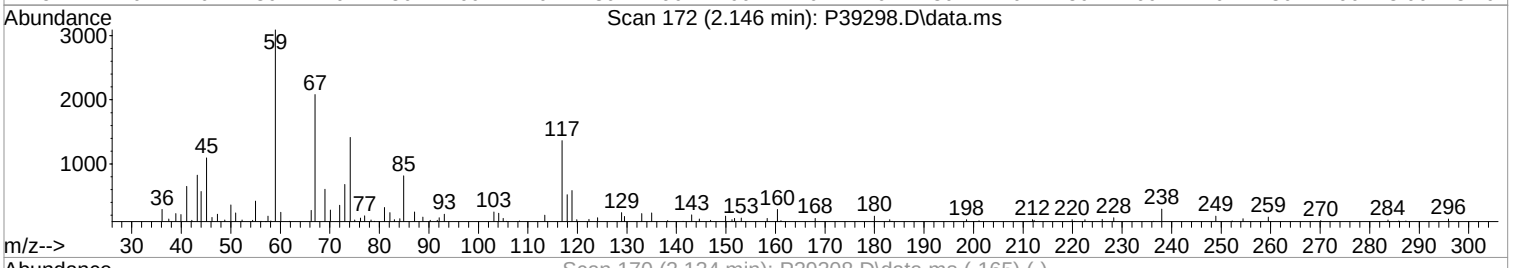
1st 09/05/20
2nd 09/05/20

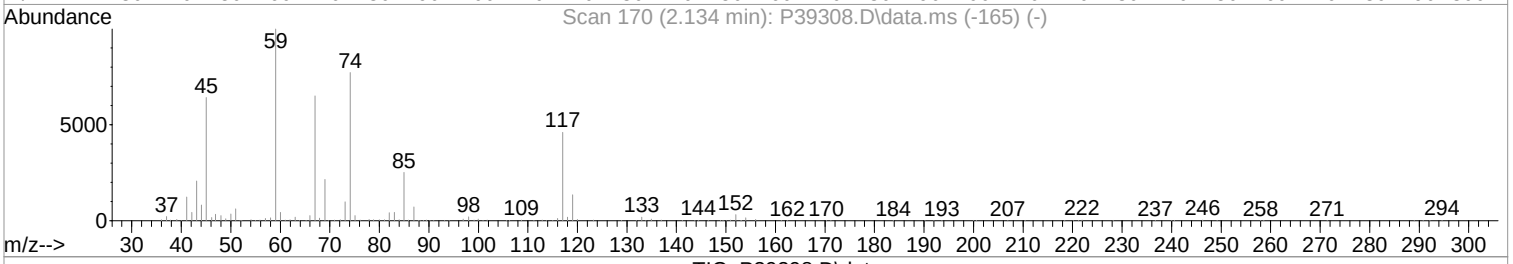
Quantitation Report (Qedit)

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

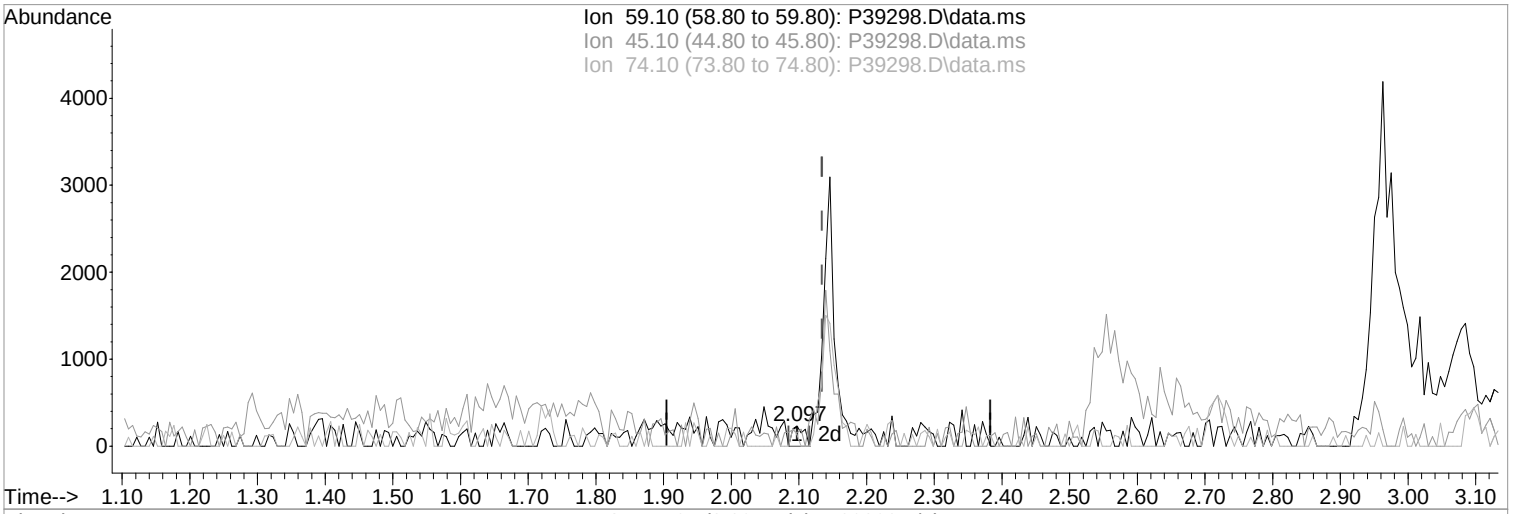
Poor integration.

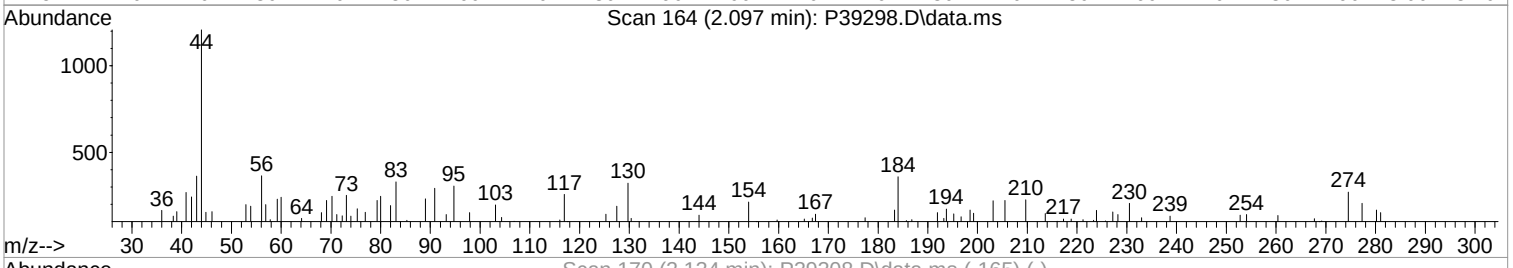
09/04/20

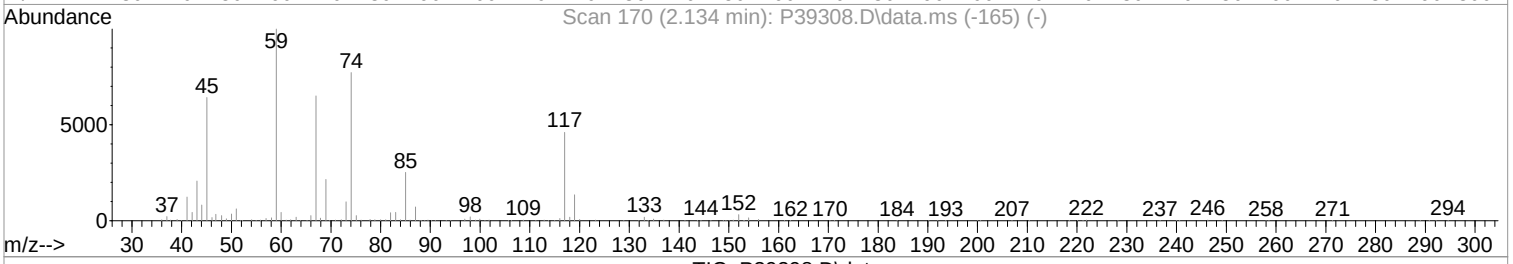
Quantitation Report (Qedit)

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:

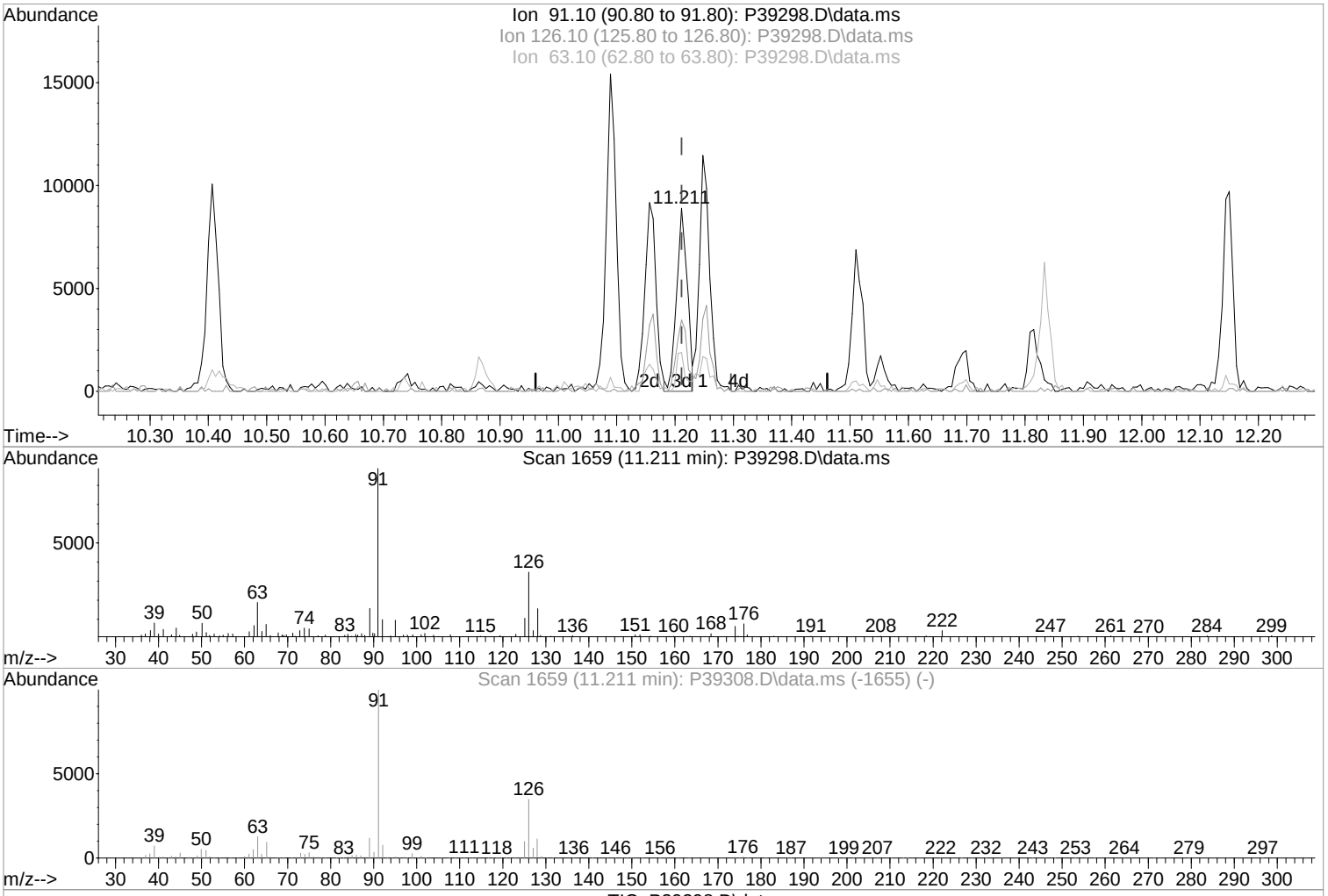
Before

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

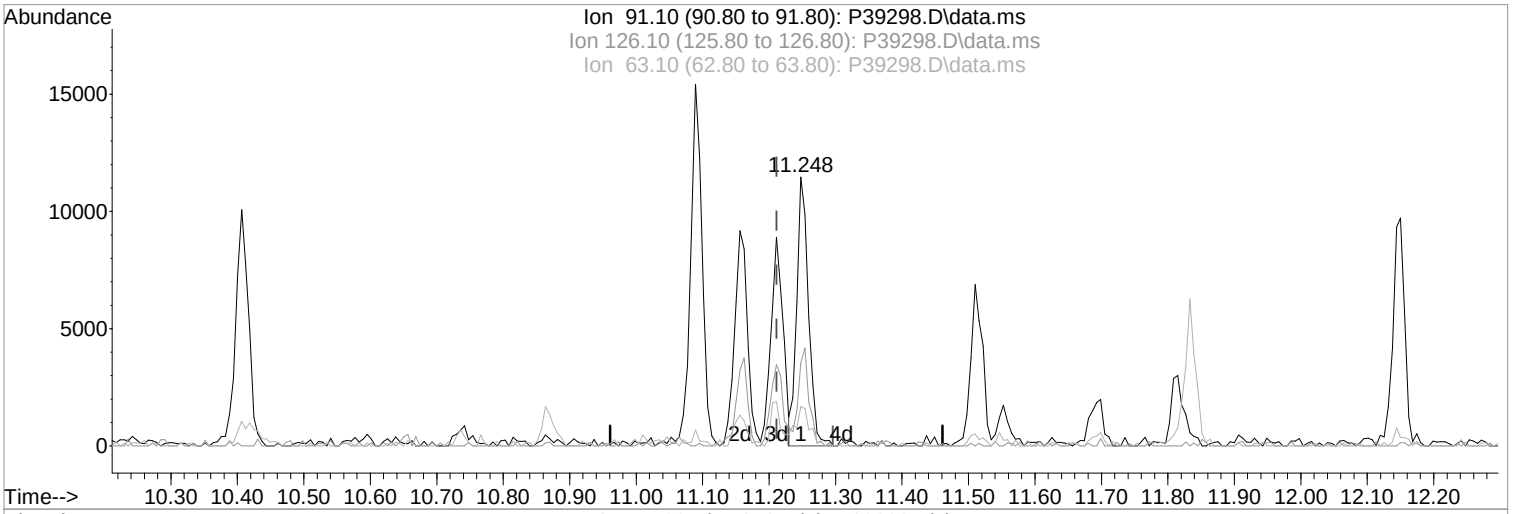
Wrong peak selected.

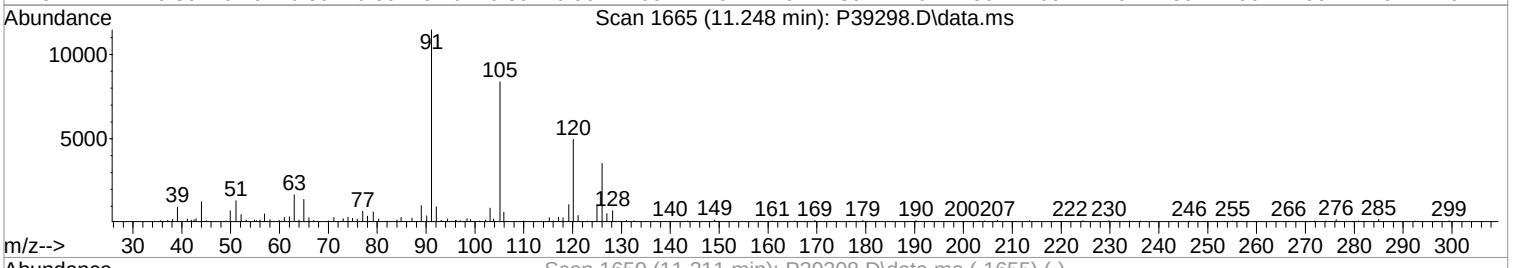
09/04/20

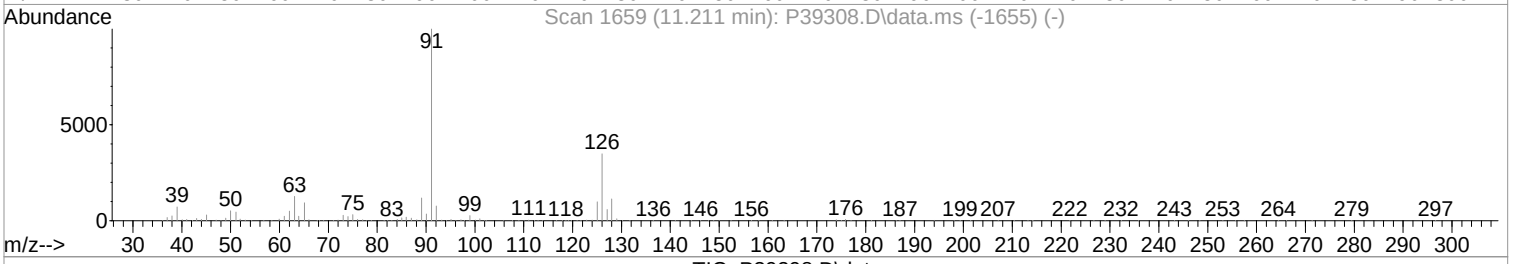
Quantitation Report (Qedit)

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

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)
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		

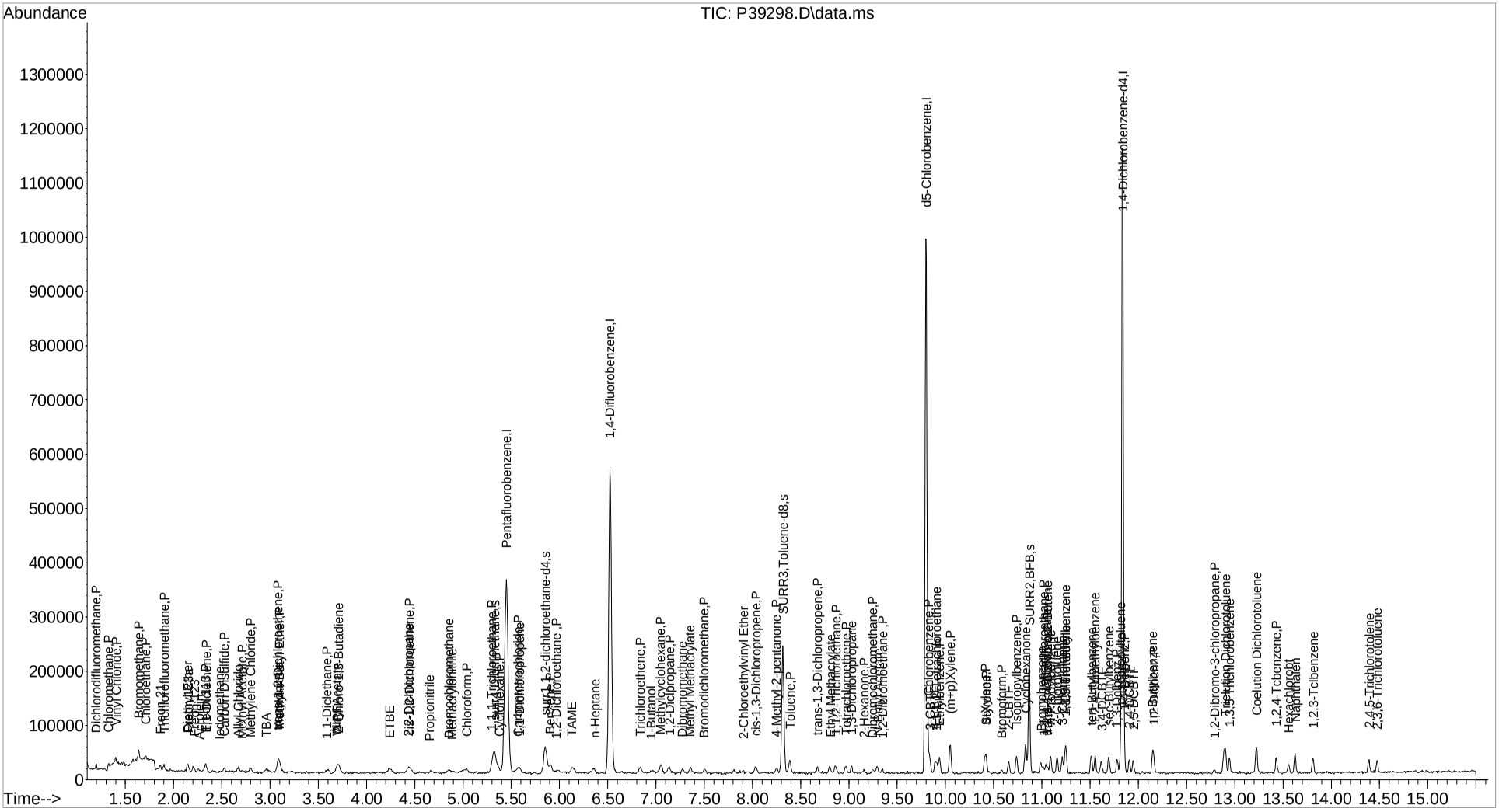
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

09/05/20 1st
09/05/20 2nd

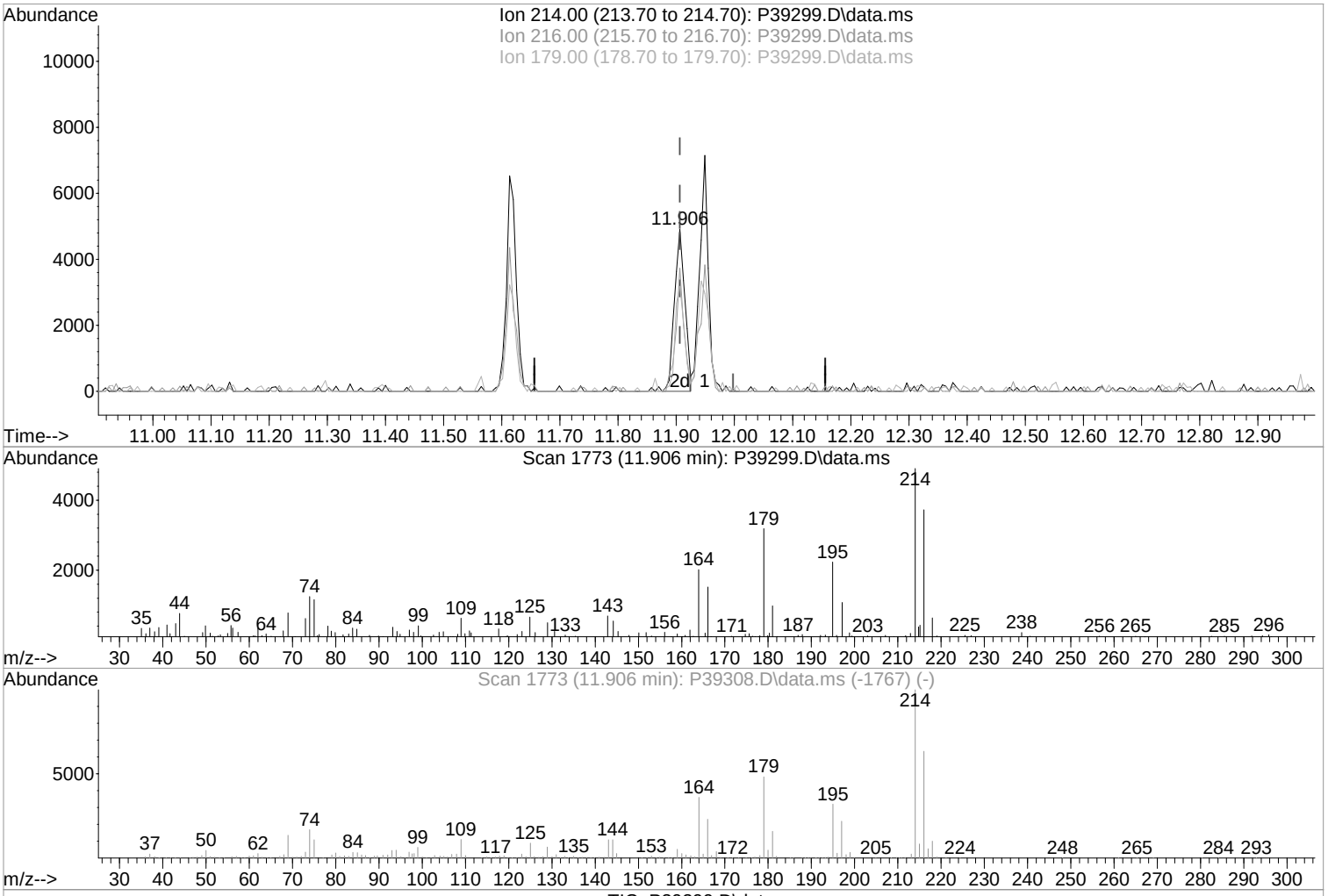
Quant Time: Sep 04 18:02:53 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration



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

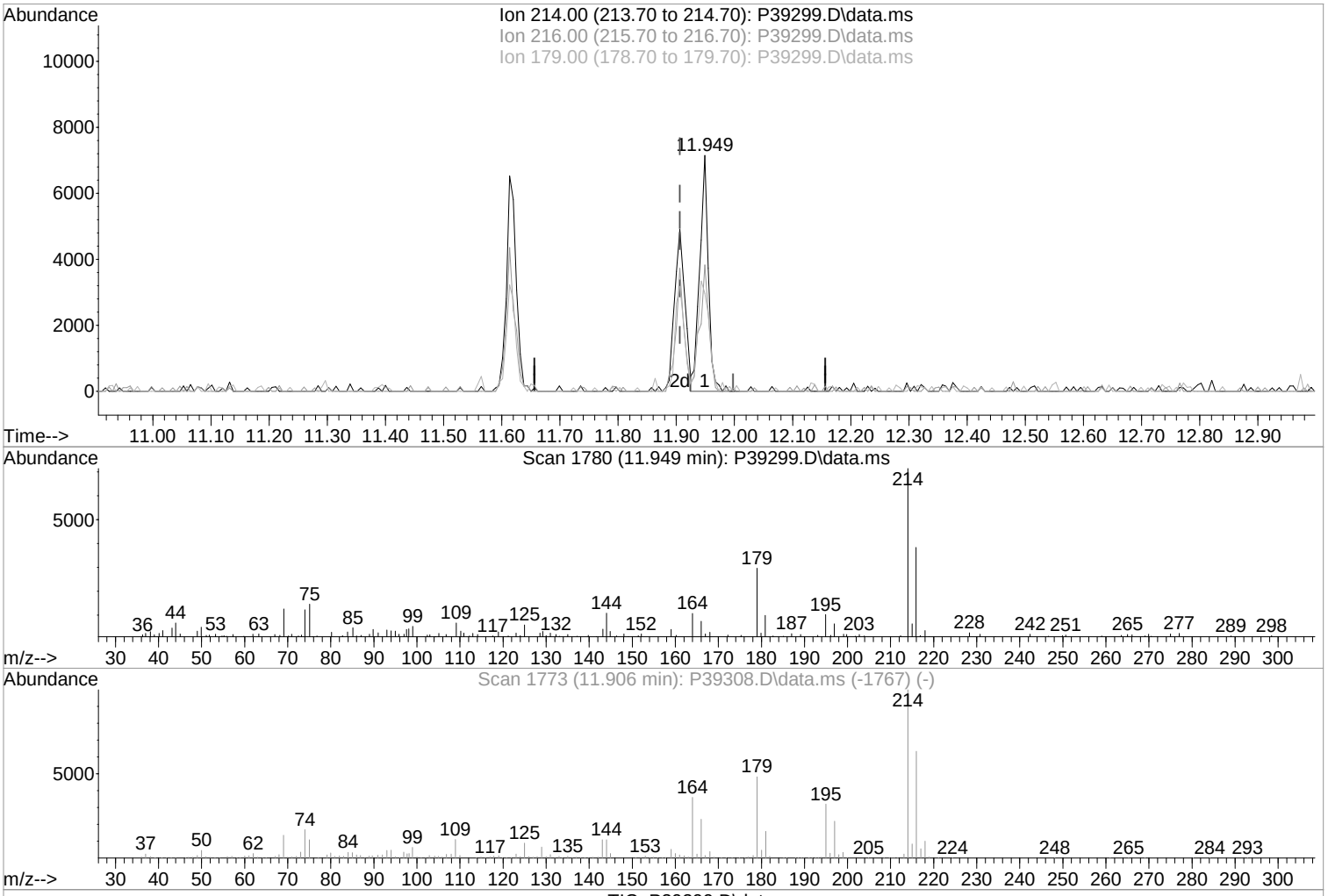
Wrong peak selected.

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:

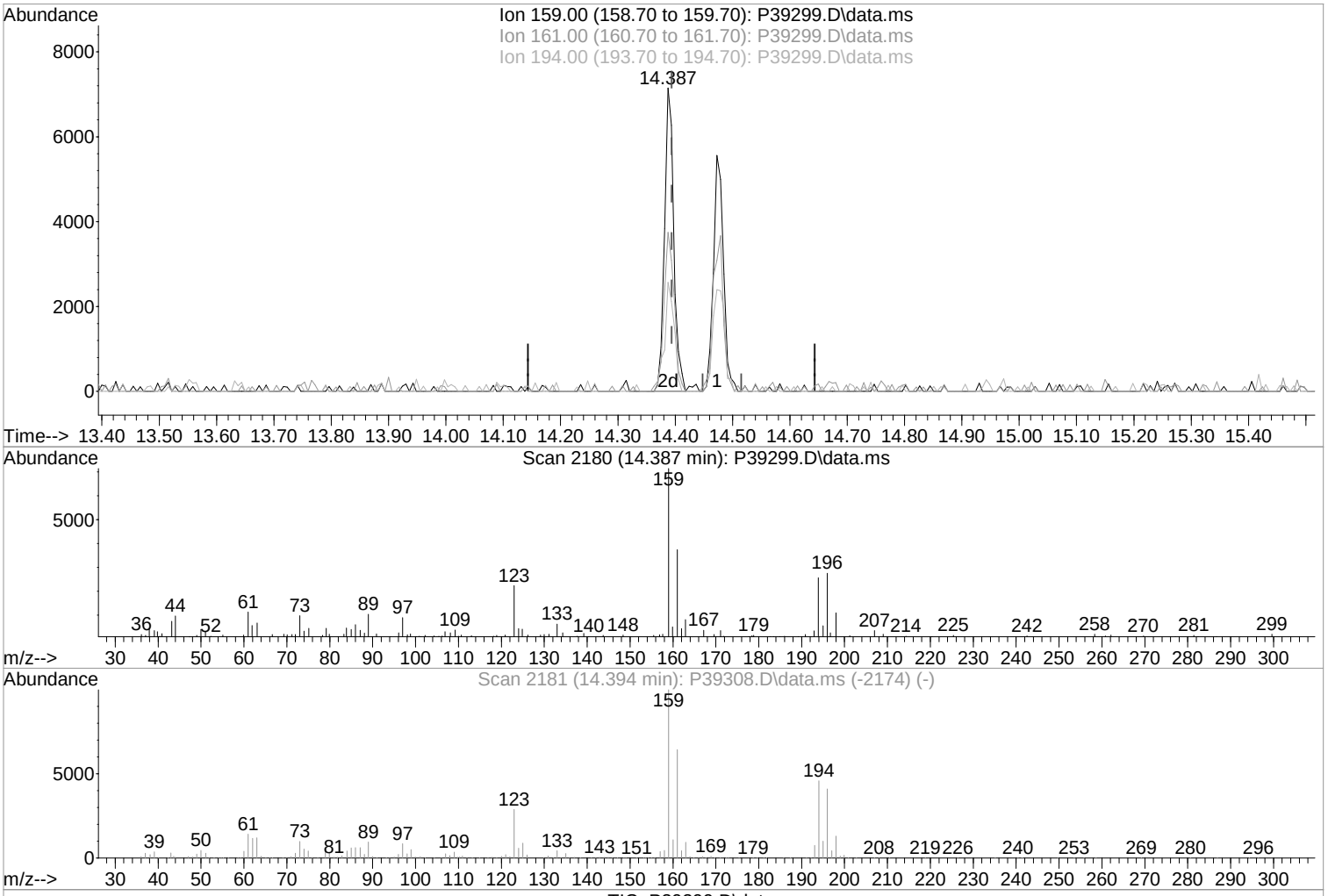
Before

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

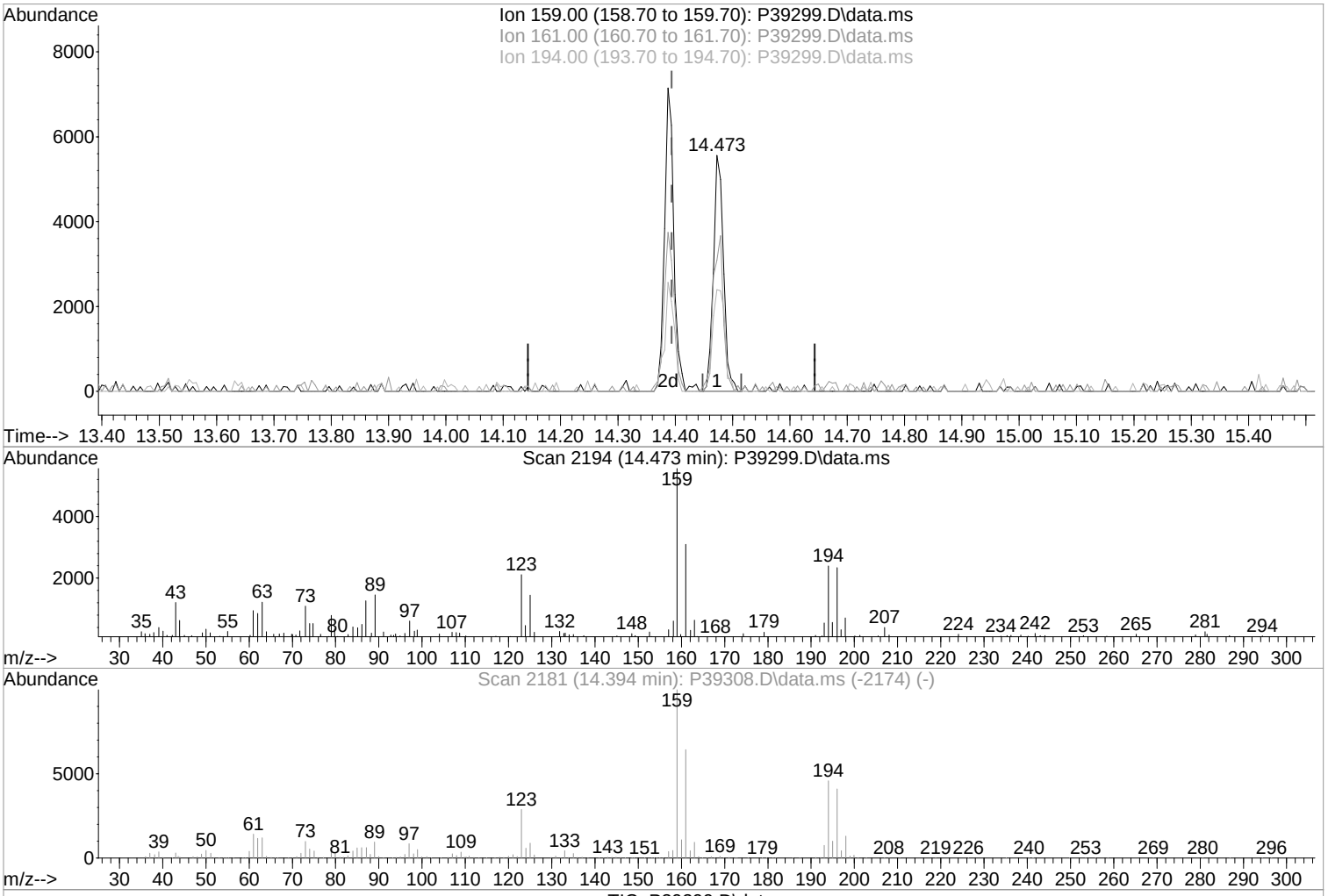
Wrong peak selected.

09/05/20

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

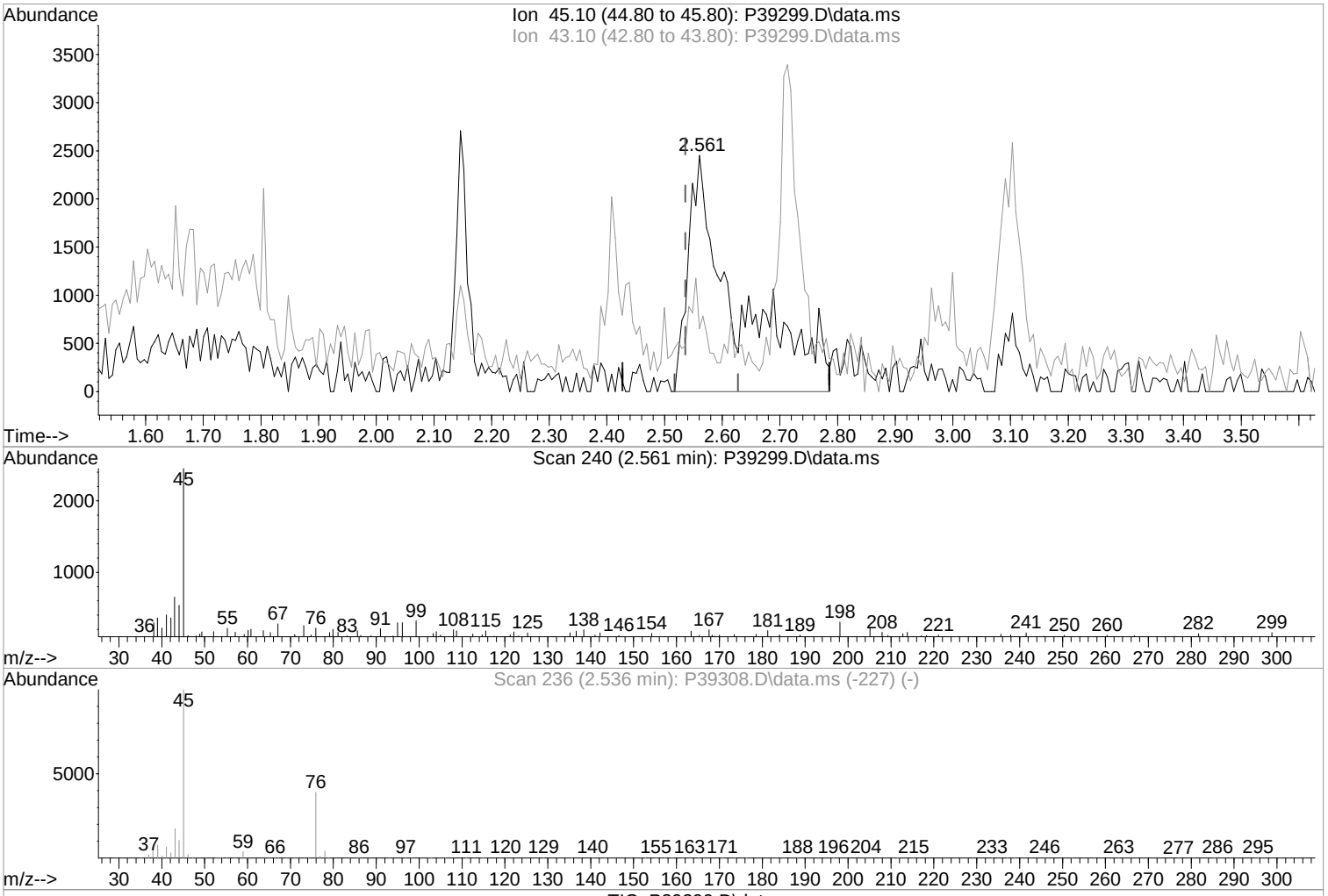
09/05/20

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

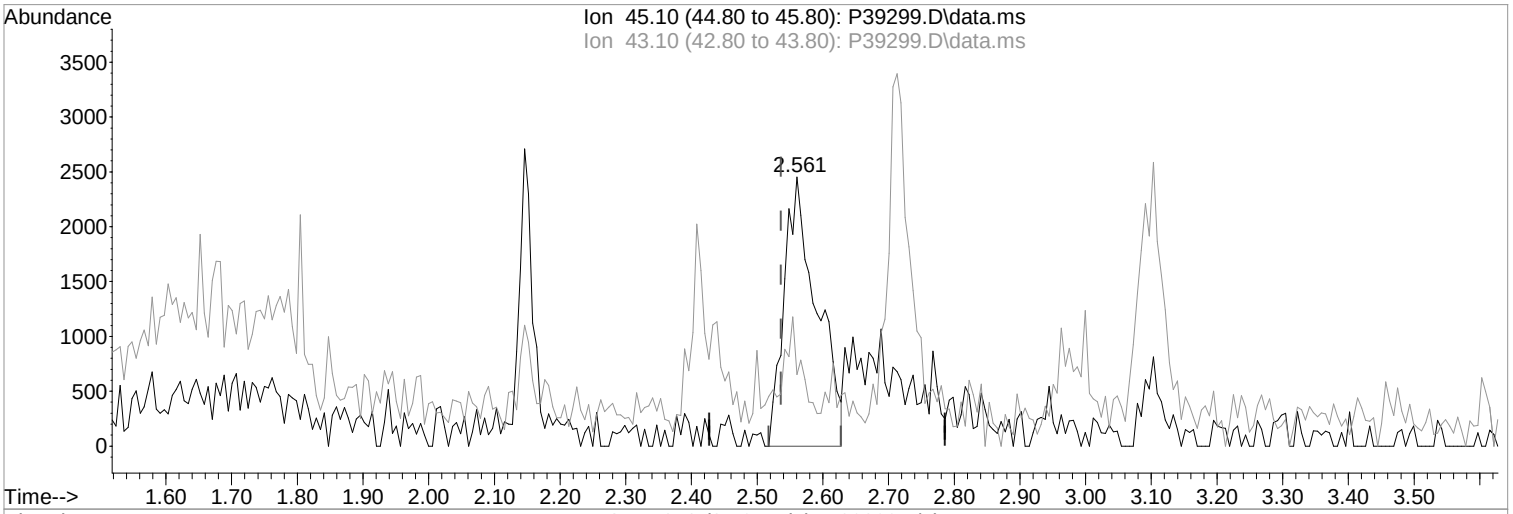
Poor integration.

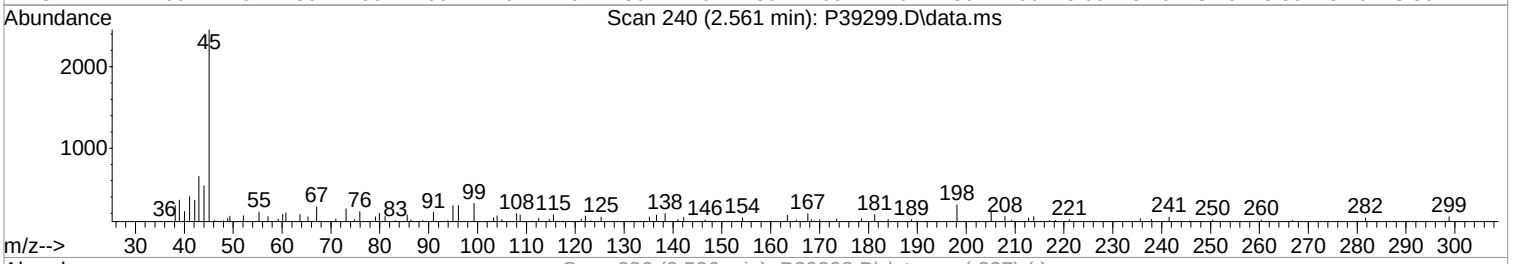
09/05/20

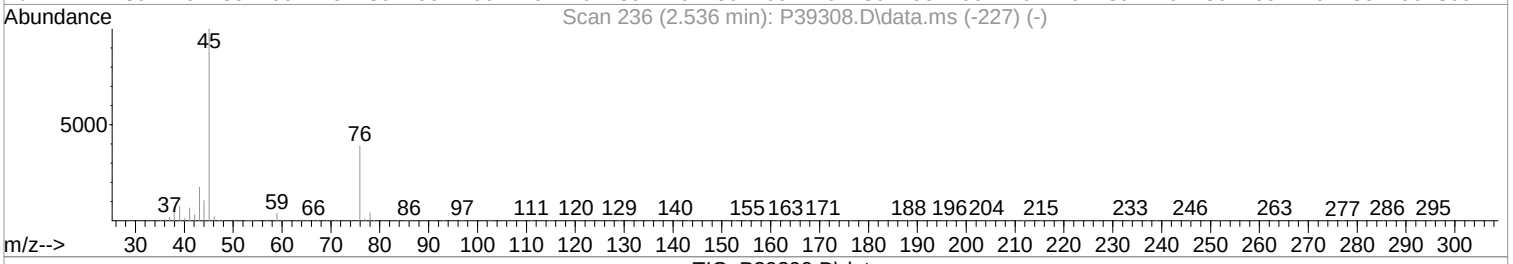
Quantitation Report (Qedit)

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:

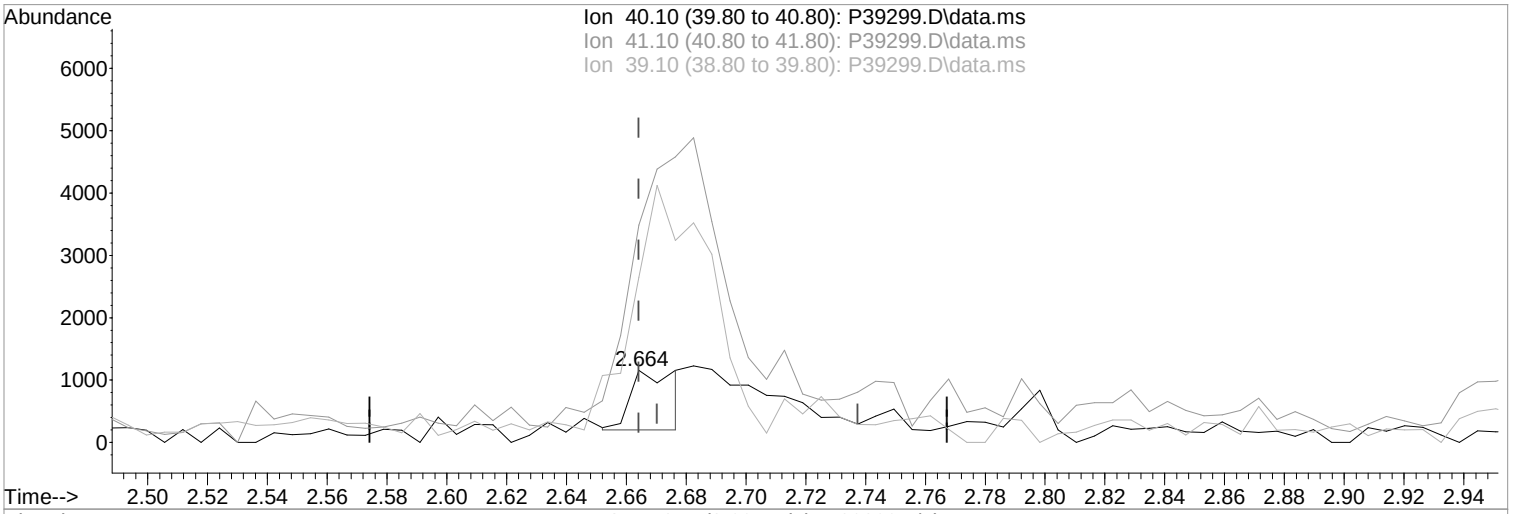
Before

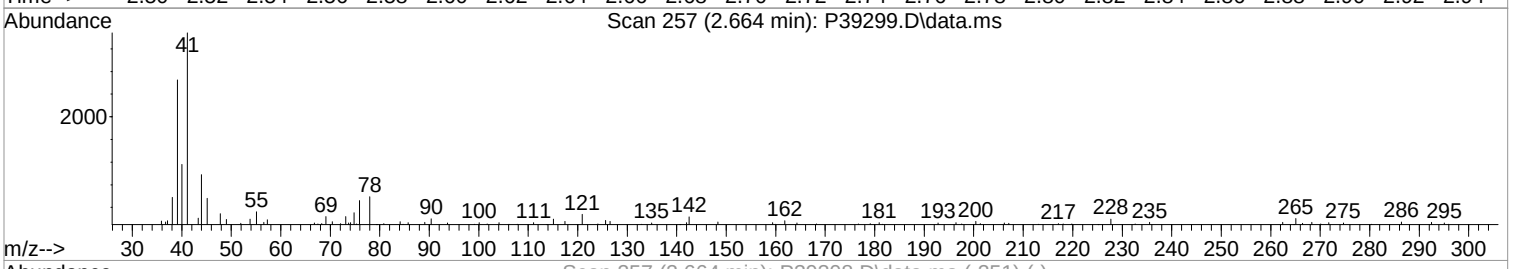
09/05/20

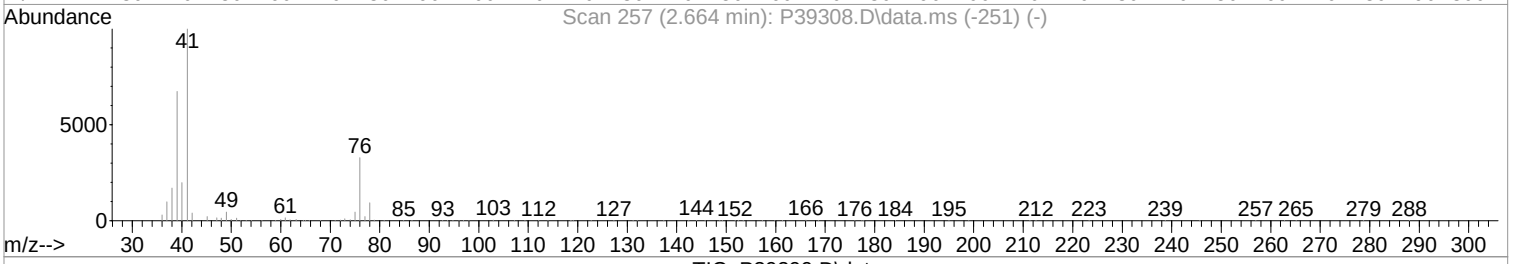
Quantitation Report (Qedit)

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

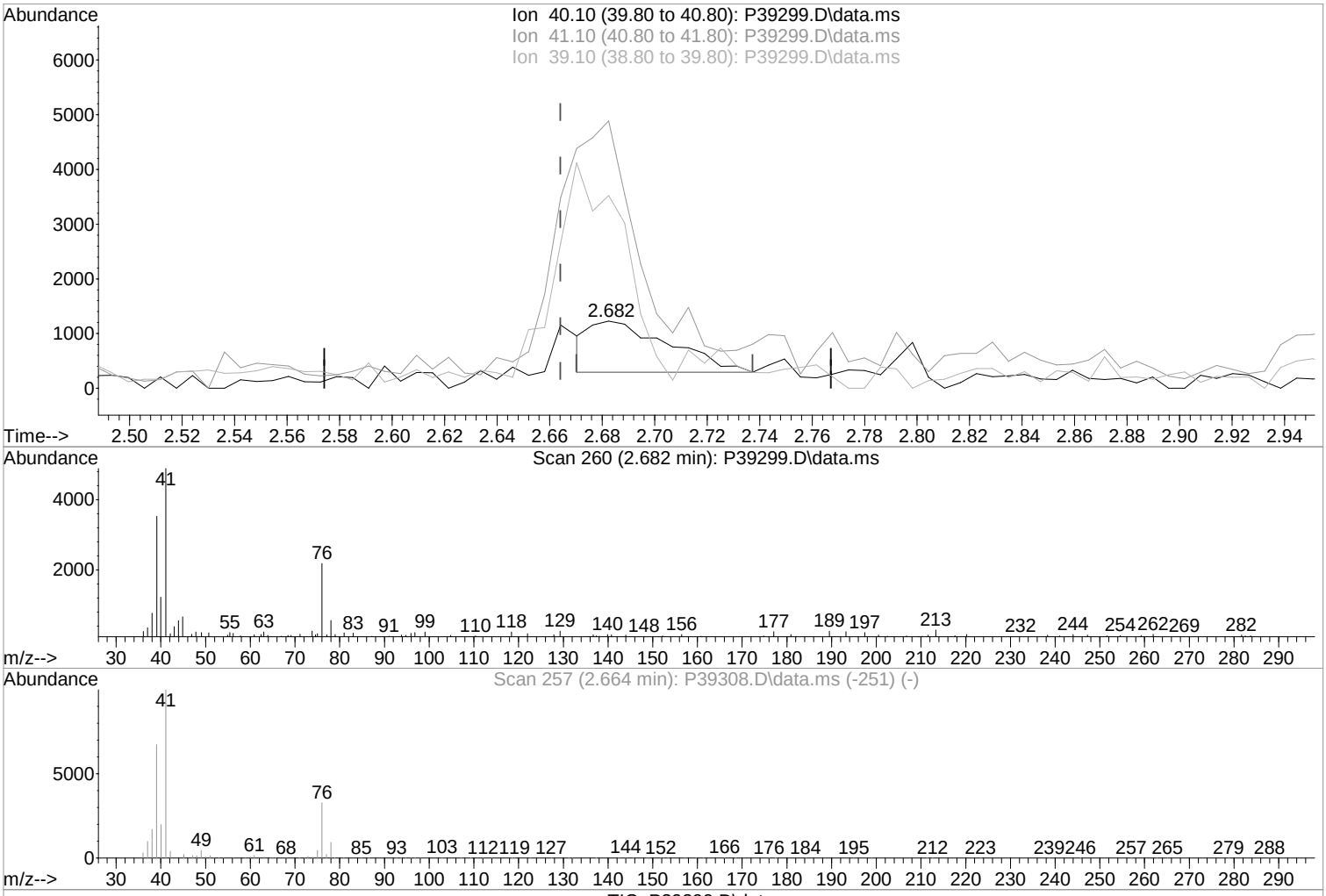
Poor integration.

09/05/20

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

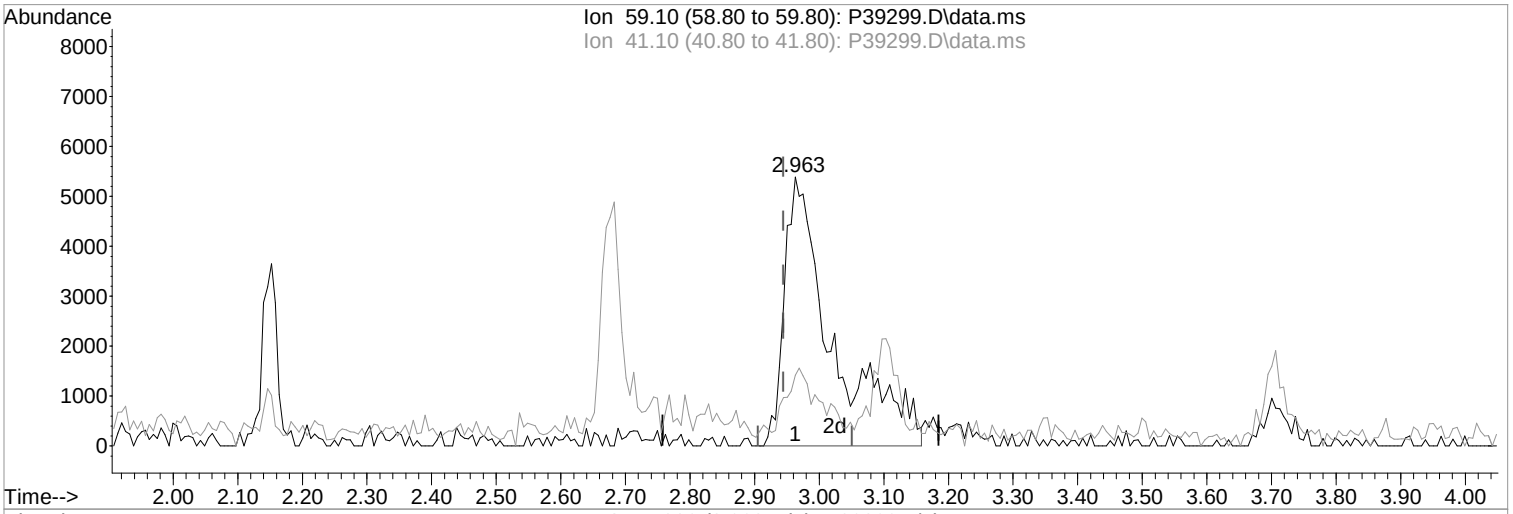
09/05/20

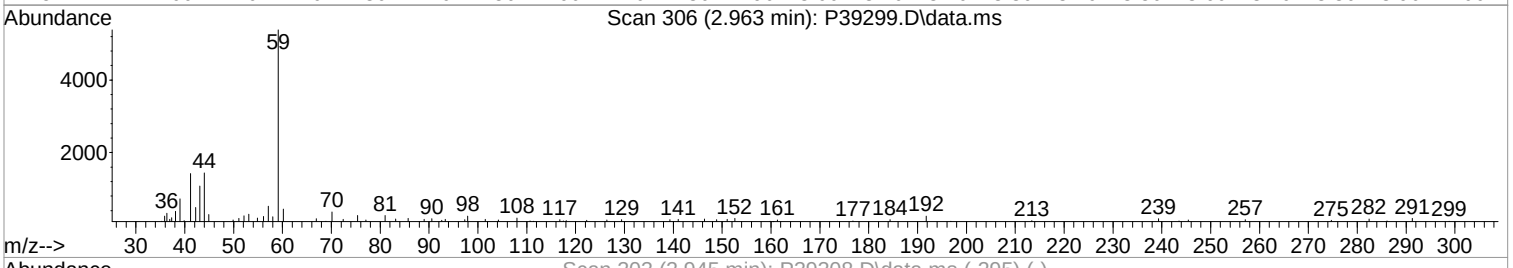
1st 09/05/20
2nd 09/05/20

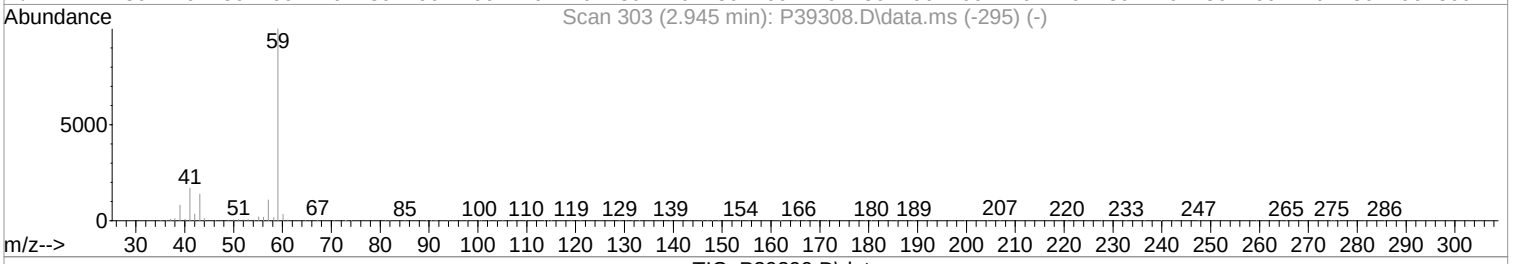
Quantitation Report (Qedit)

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.

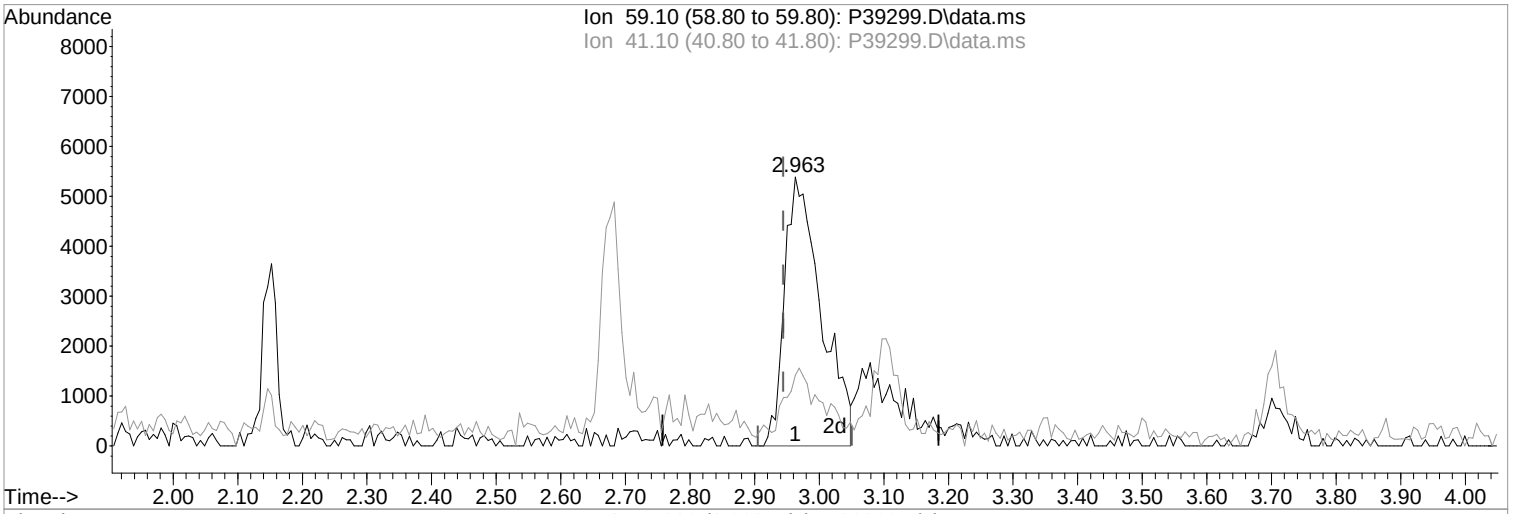
09/05/20

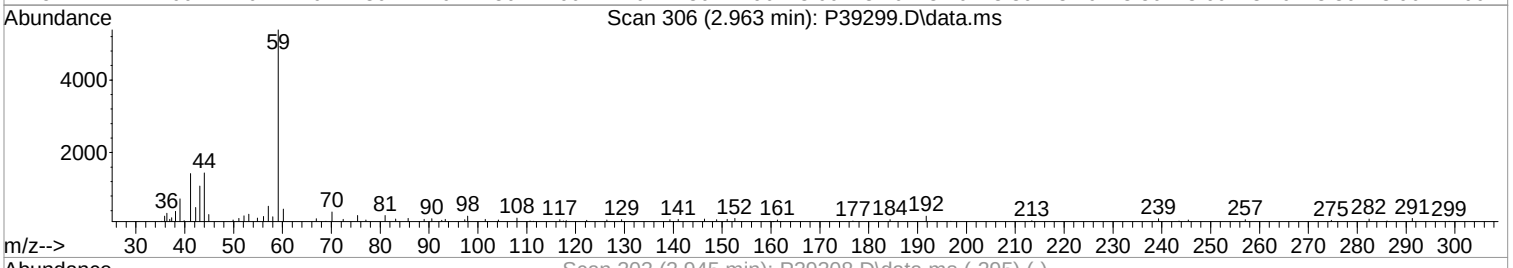
1st 09/05/20
2nd 09/05/20

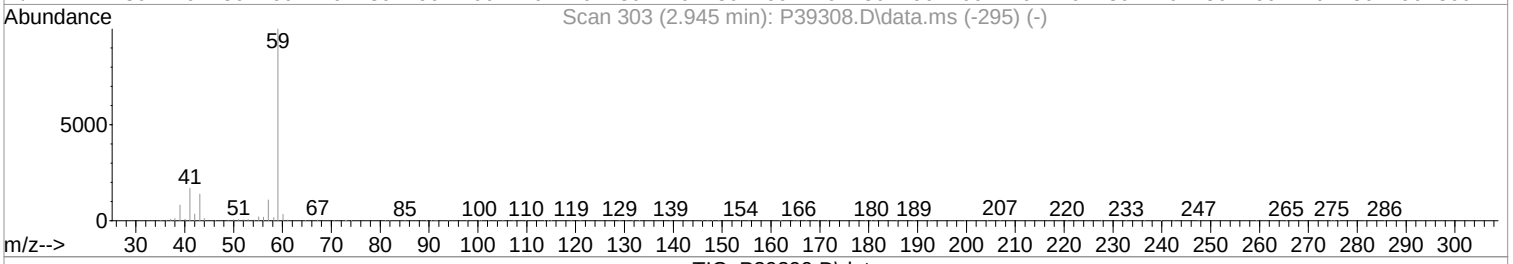
Quantitation Report (Qedit)

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:

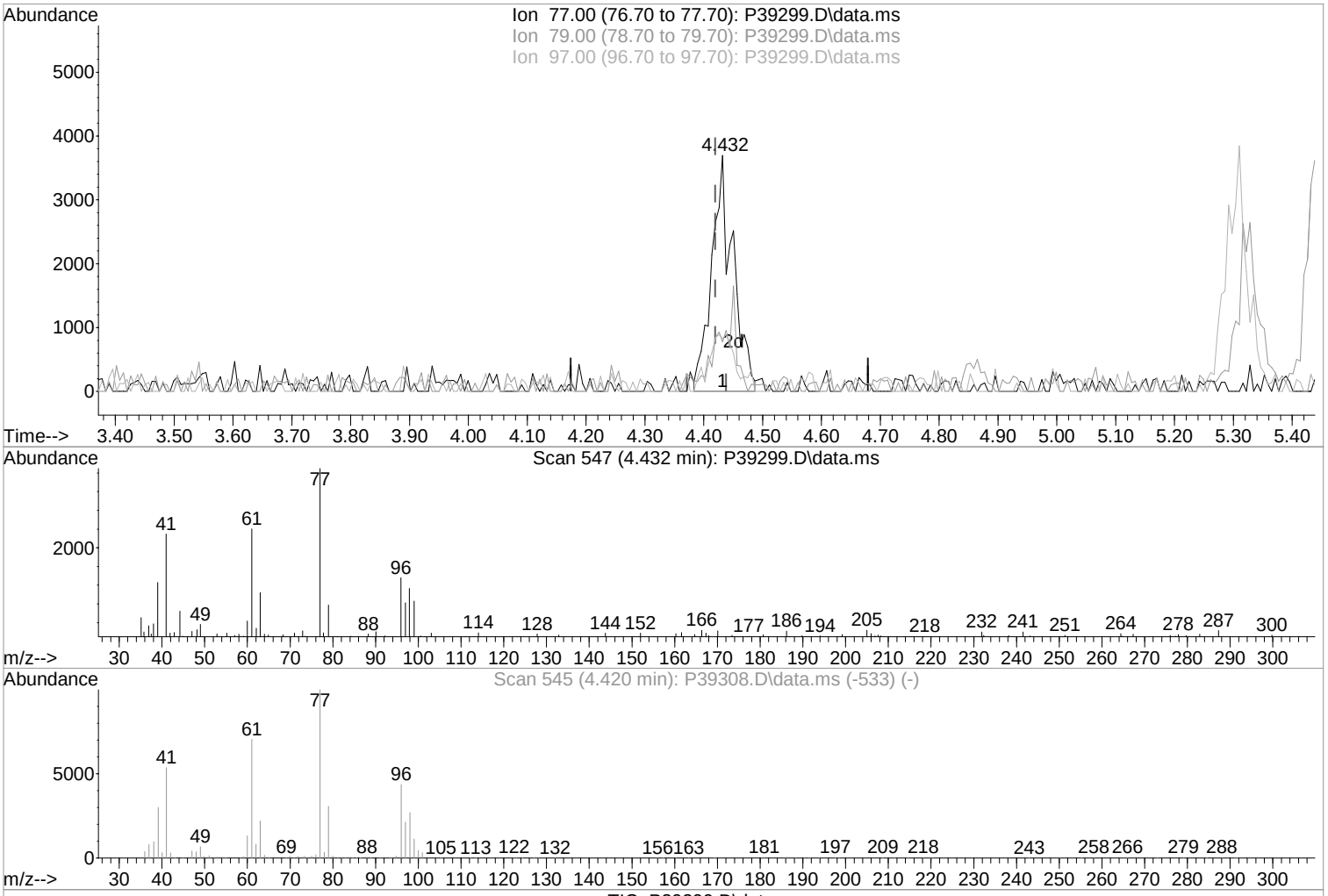
Before

09/05/20

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

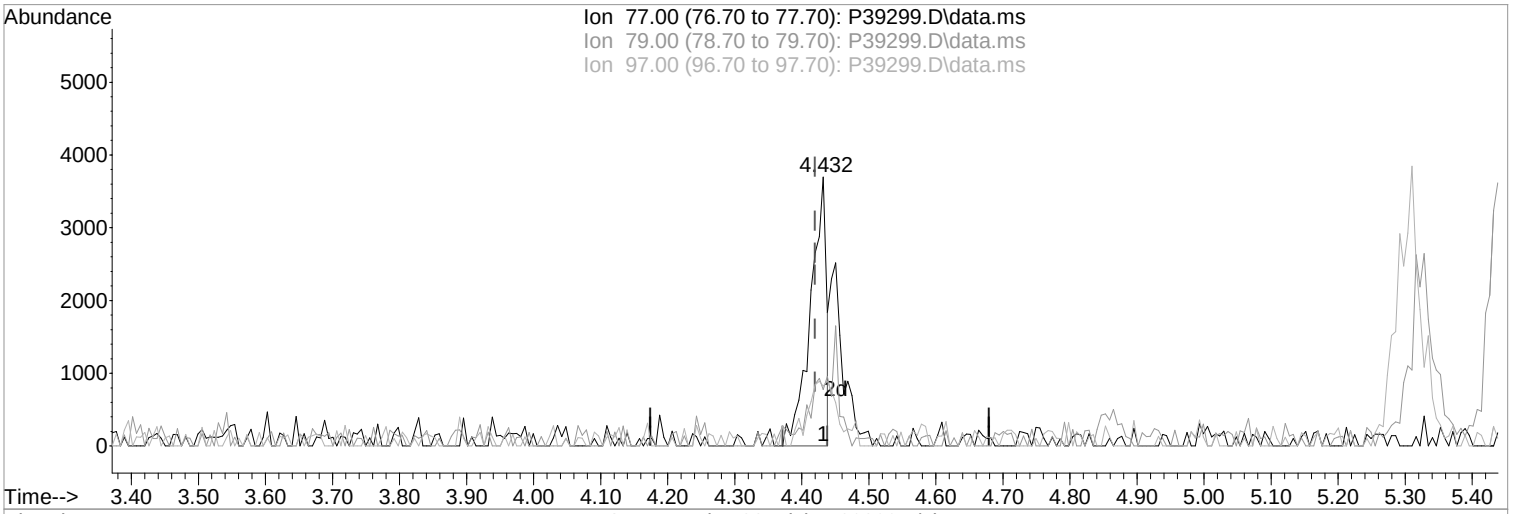
Split Peak

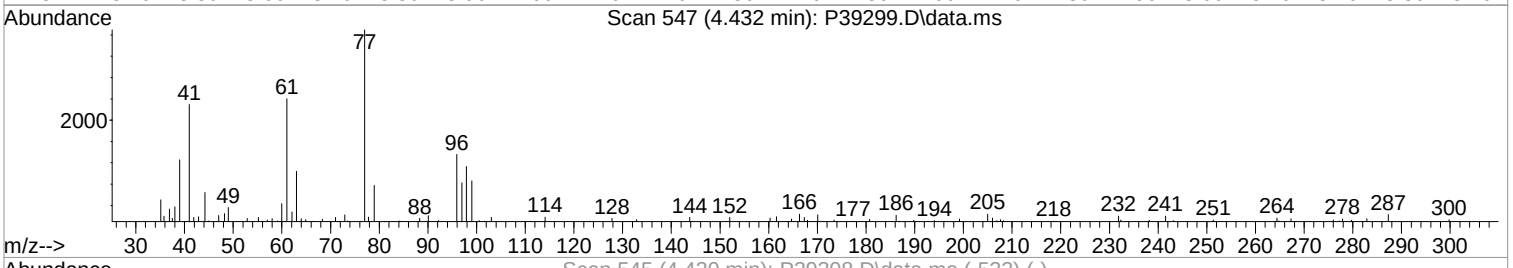
09/05/20

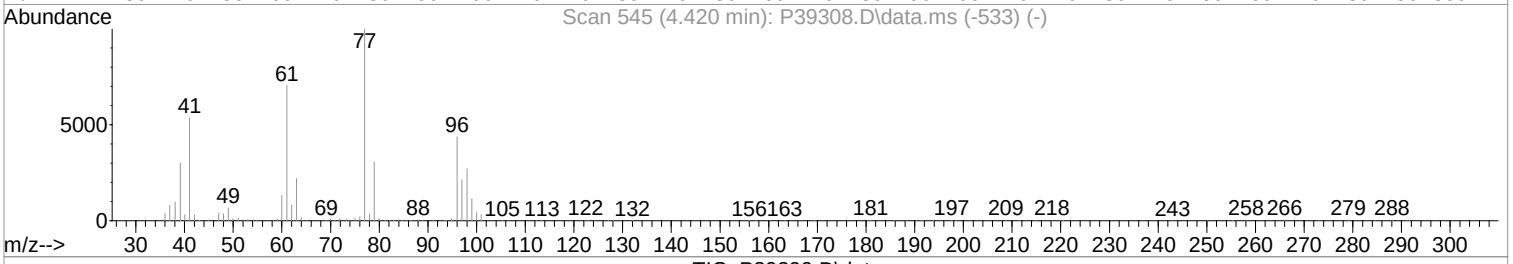
Quantitation Report (Qedit)

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

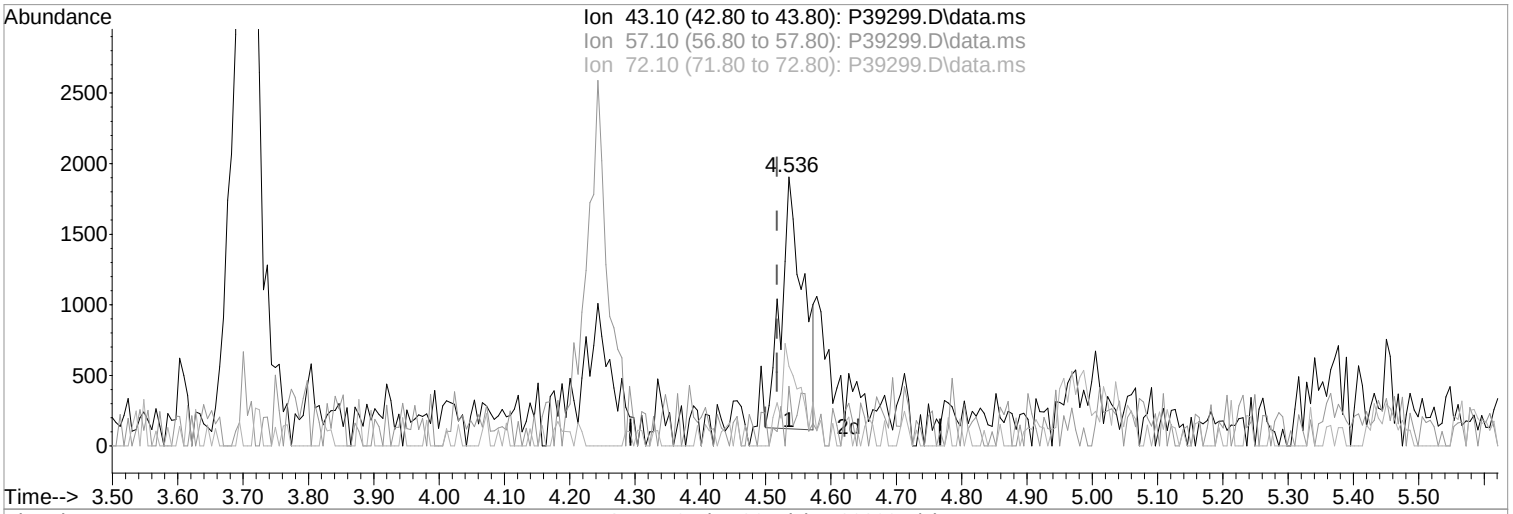
09/05/20

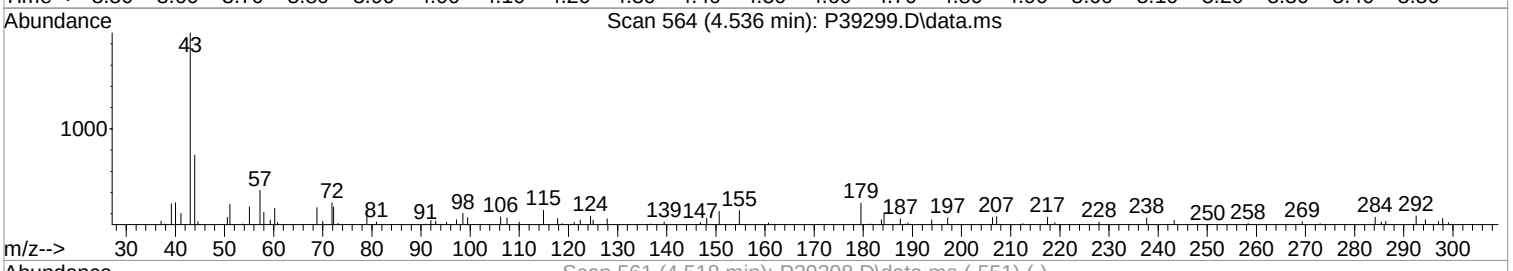
1st 09/05/20
2nd 09/05/20

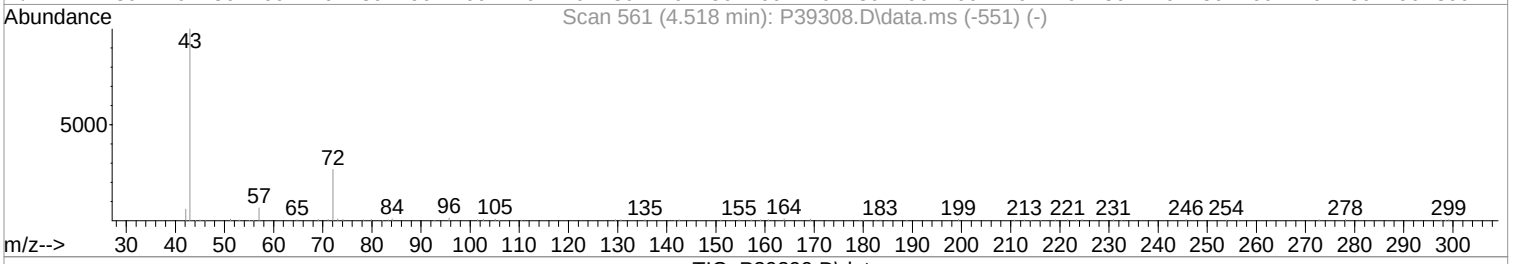
Quantitation Report (Qedit)

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

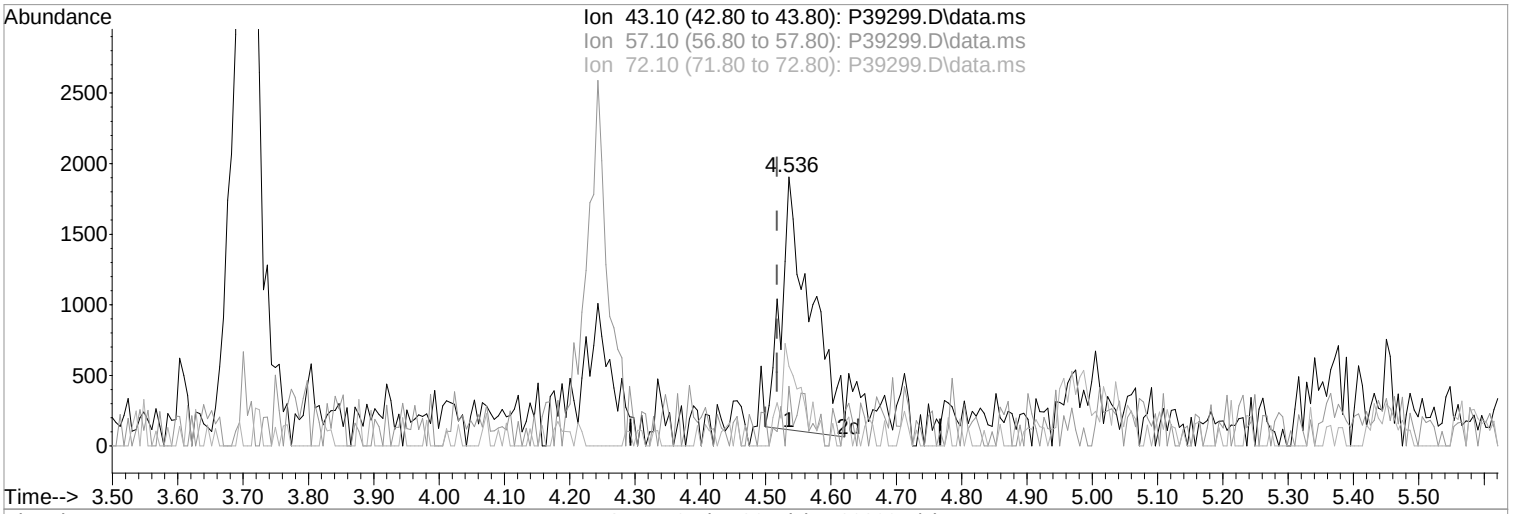
Poor integration.

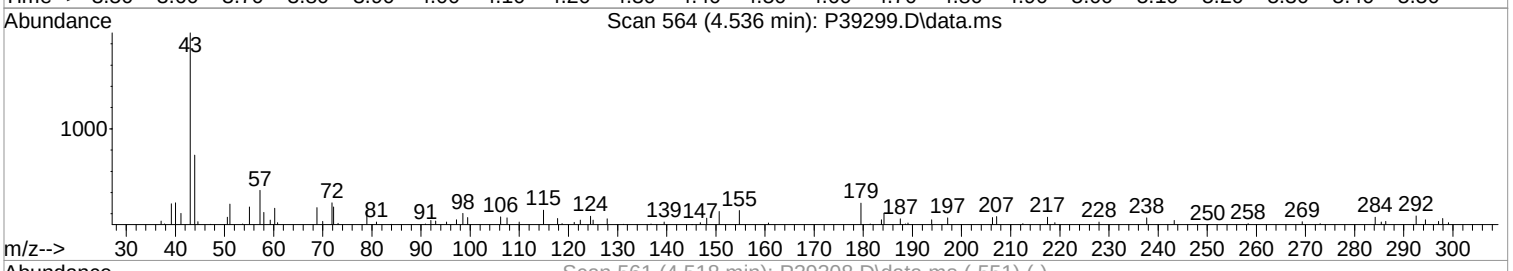
09/05/20

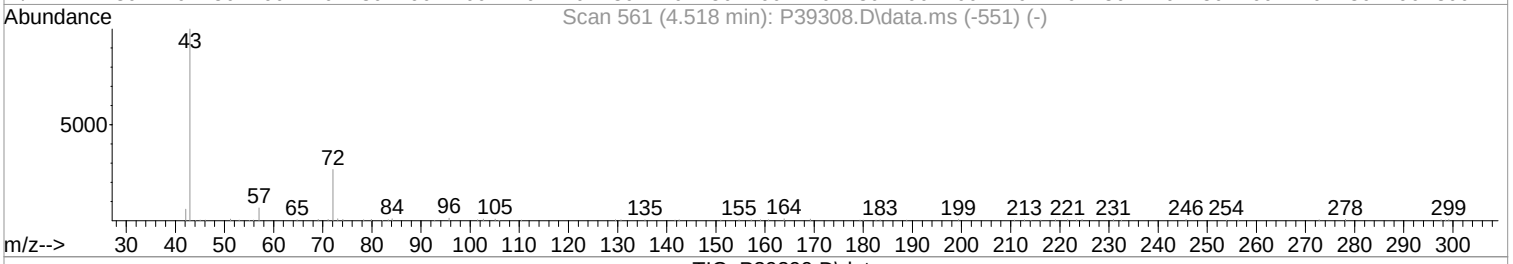
Quantitation Report (Qedit)

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:

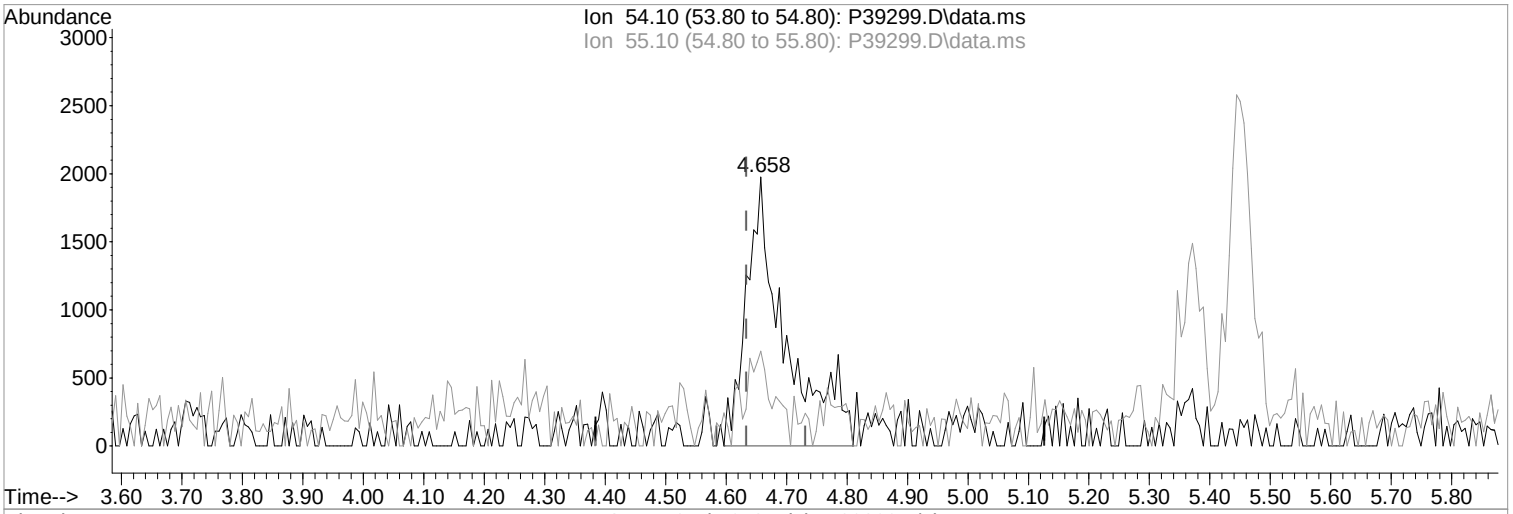
Before

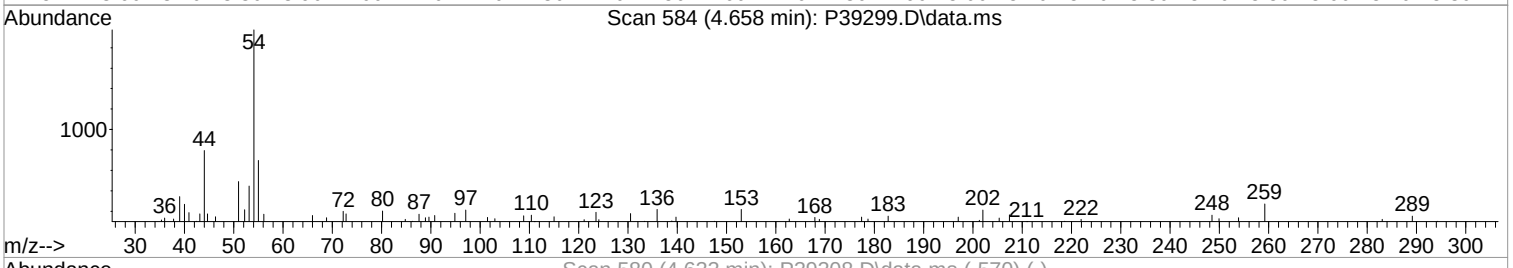
09/05/20

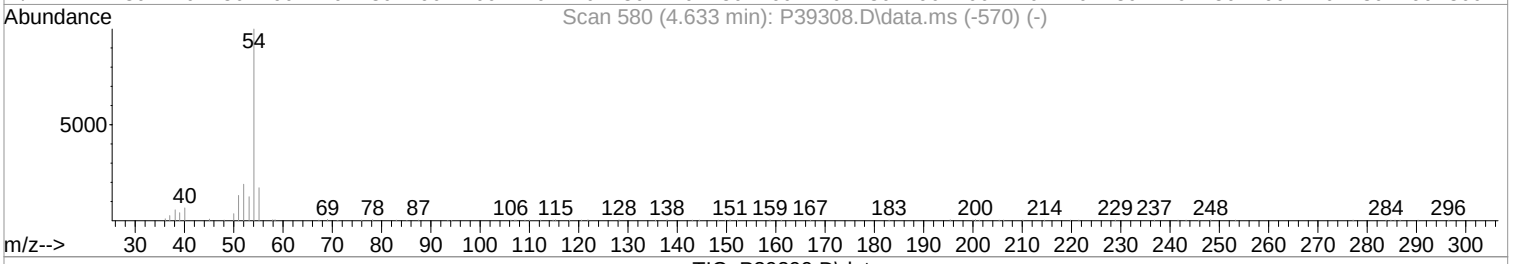
Quantitation Report (Qedit)

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

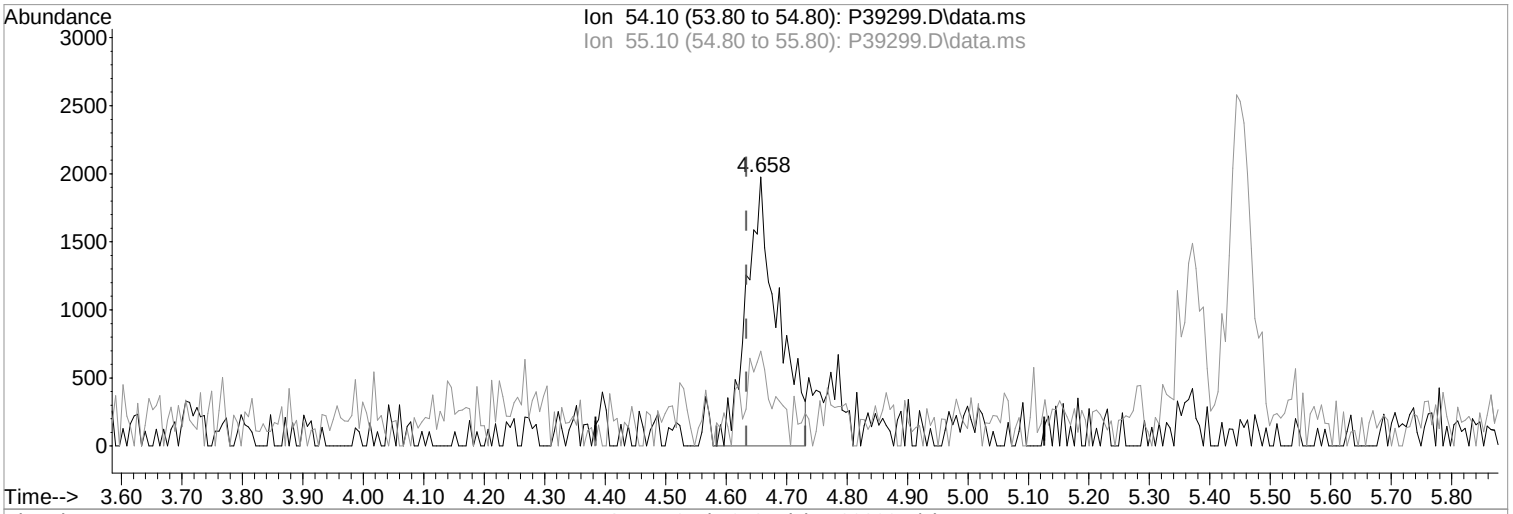
Poor integration.

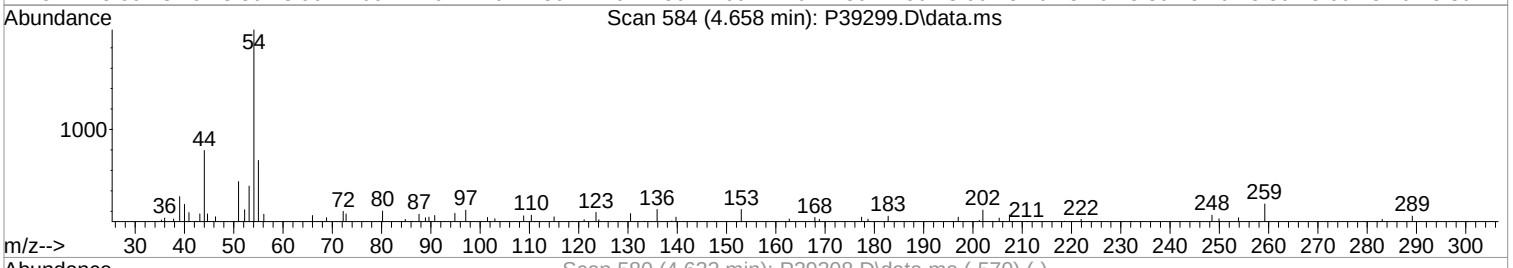
09/05/20

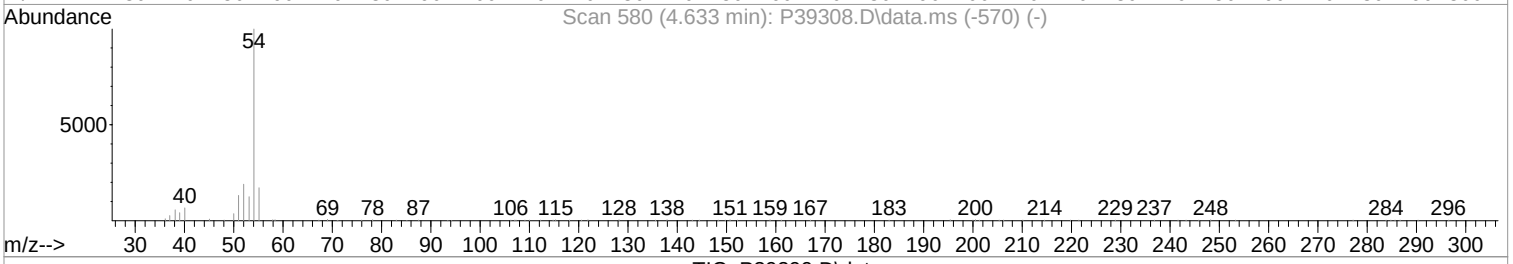
Quantitation Report (Qedit)

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:

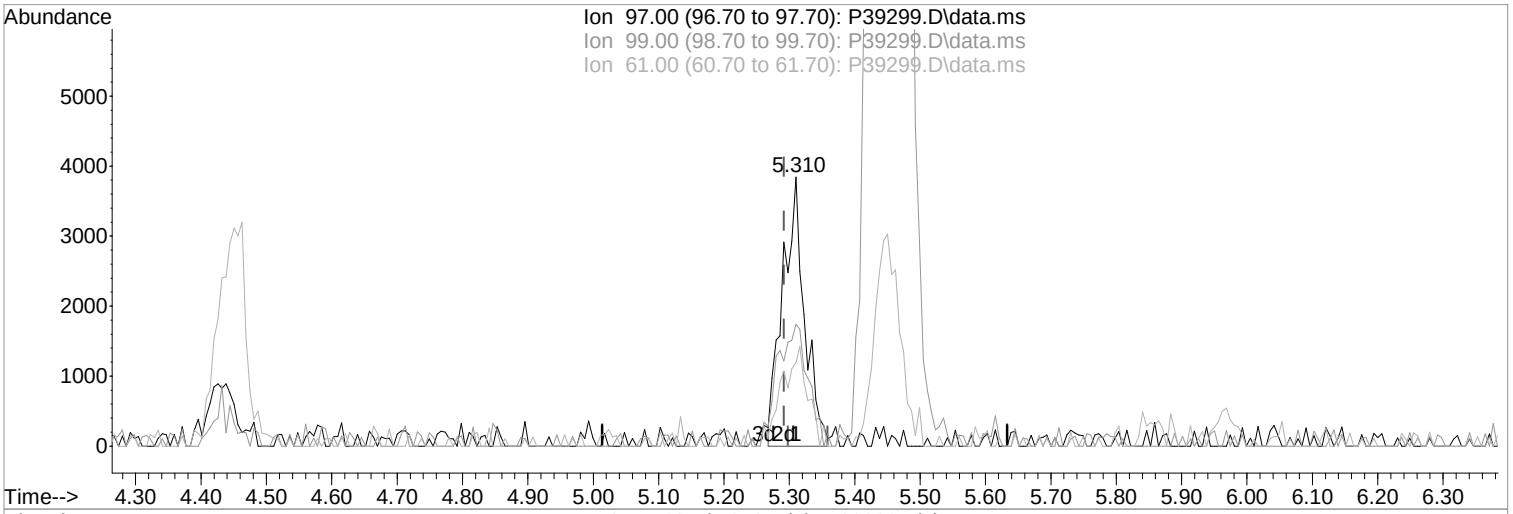
Before

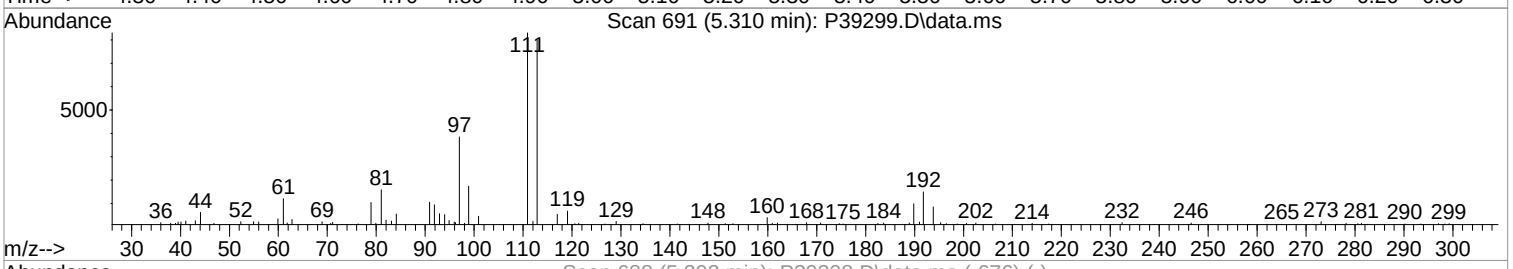
09/05/20

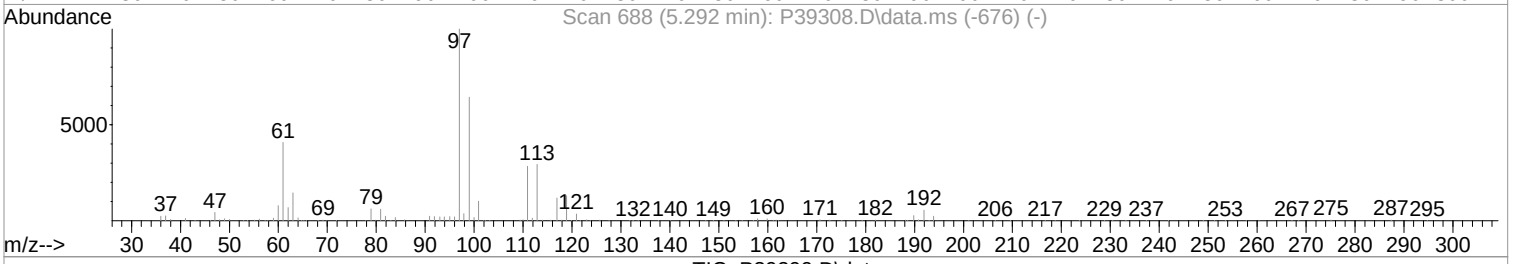
Quantitation Report (Qedit)

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

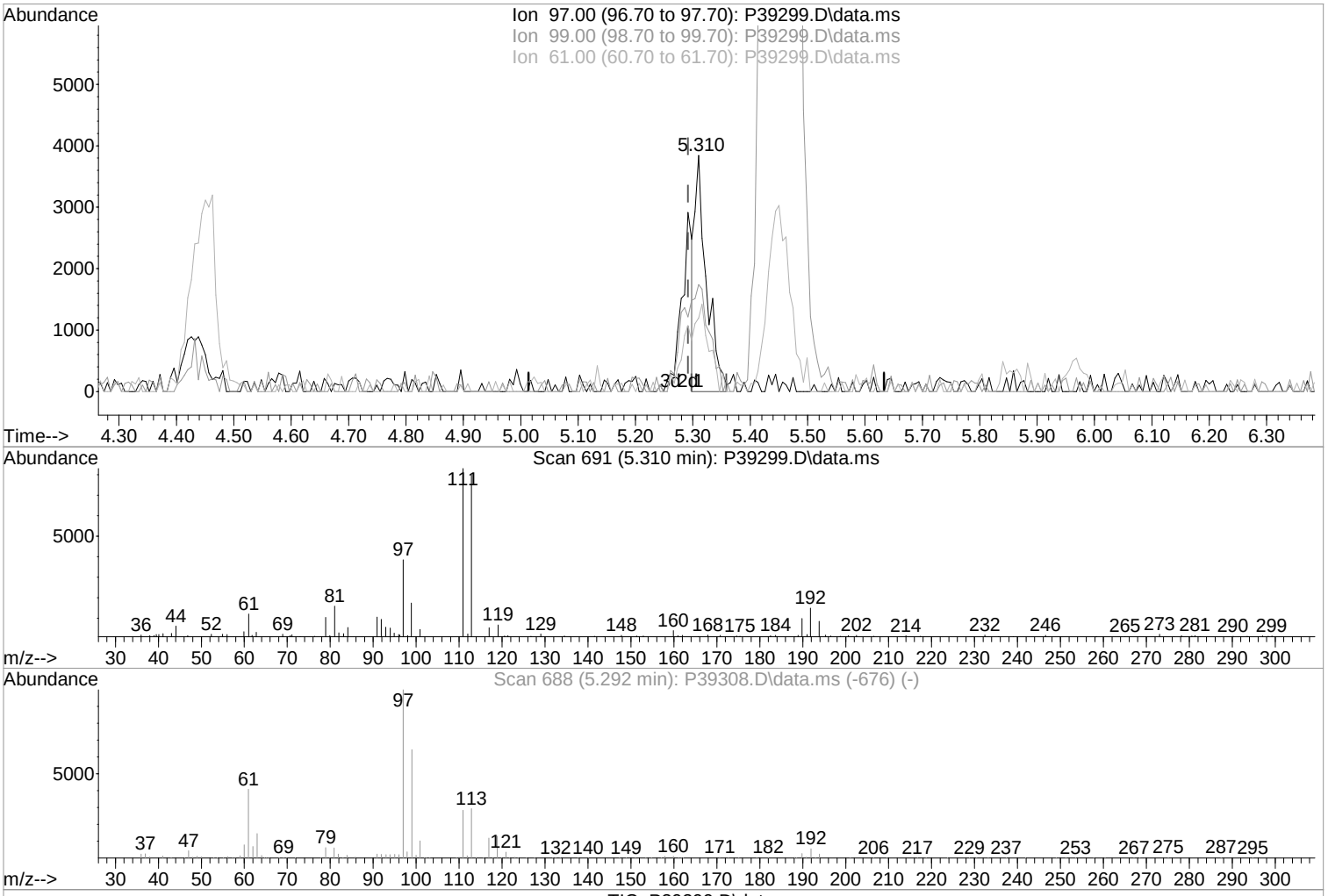
Poor integration.

09/05/20

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:

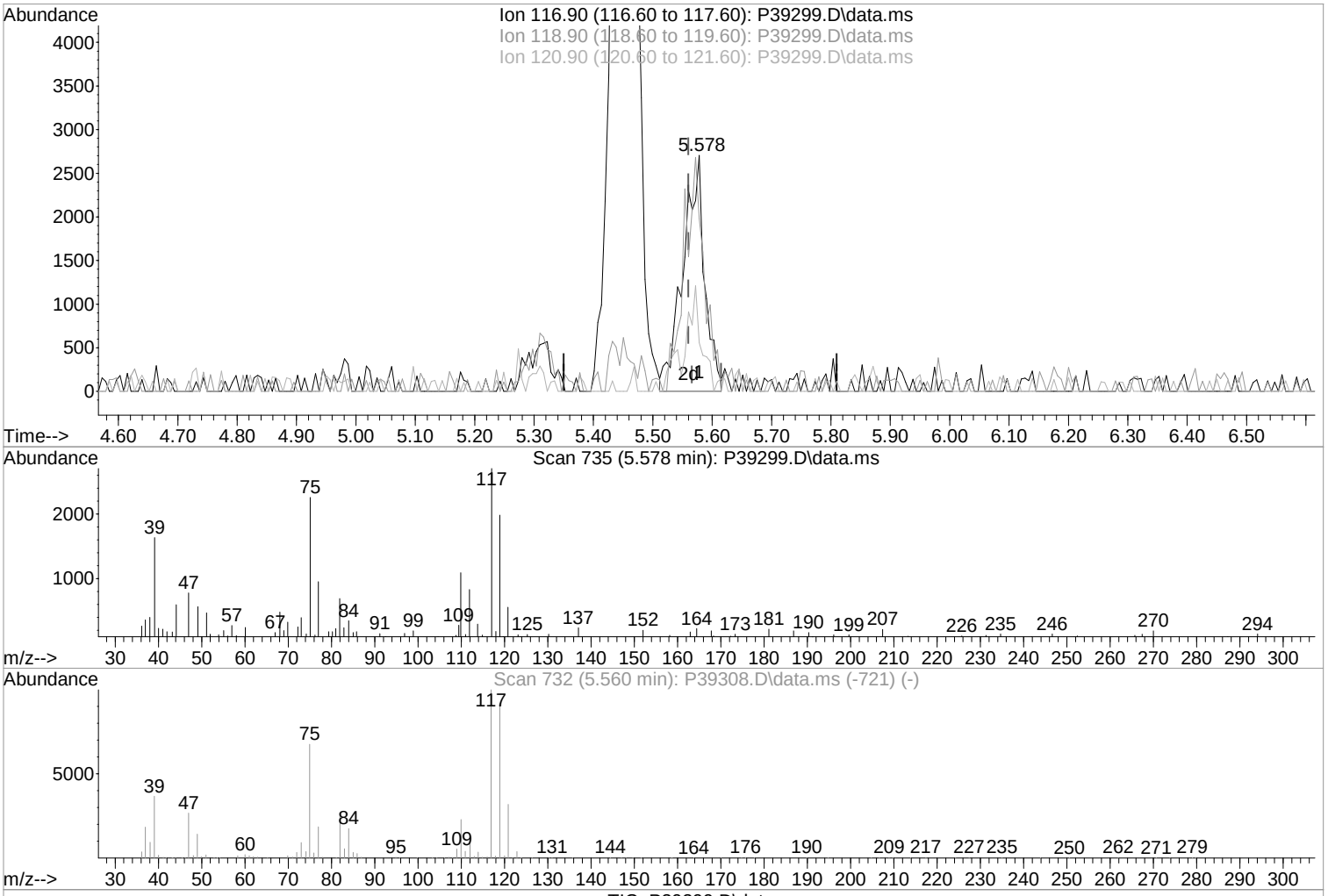
Before

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

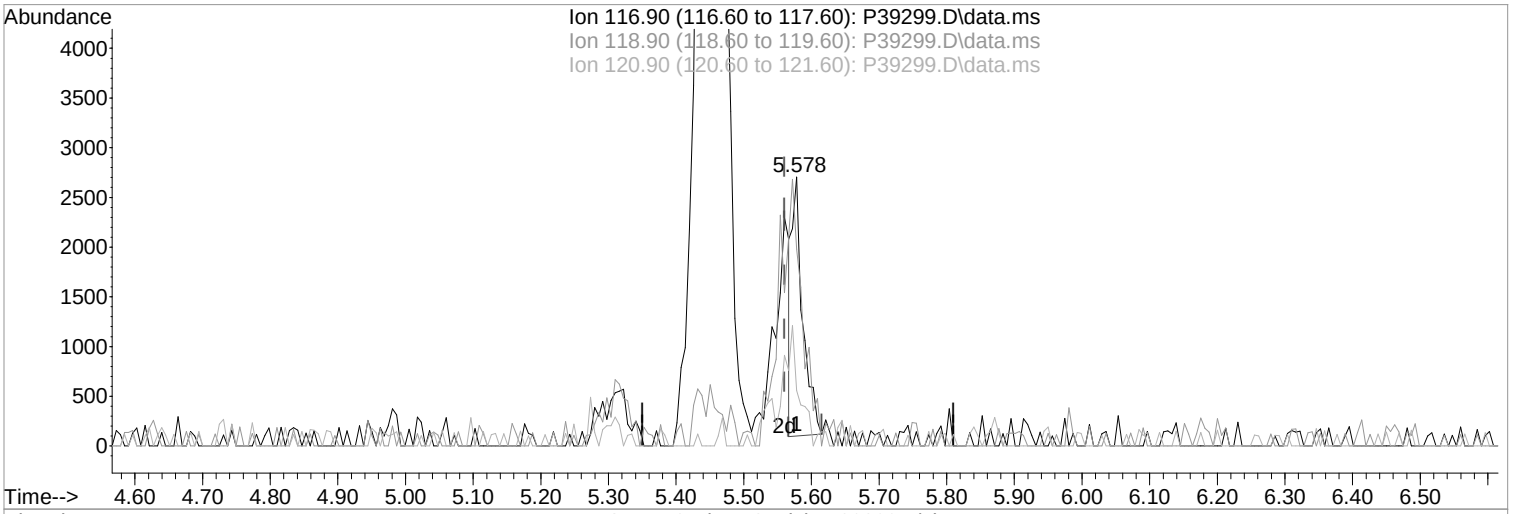
Poor integration.

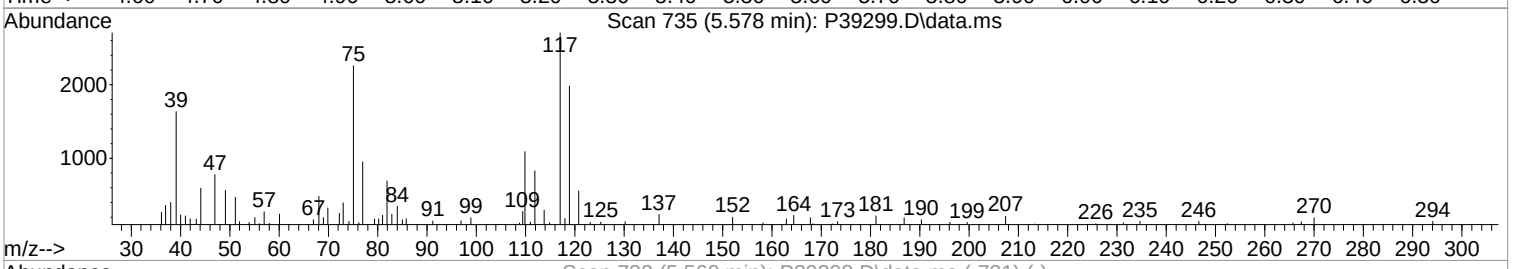
09/05/20

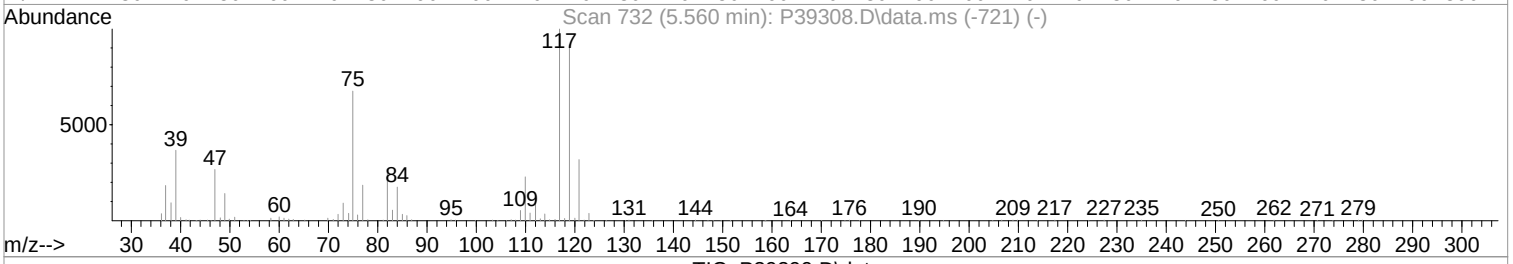
Quantitation Report (Qedit)

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:

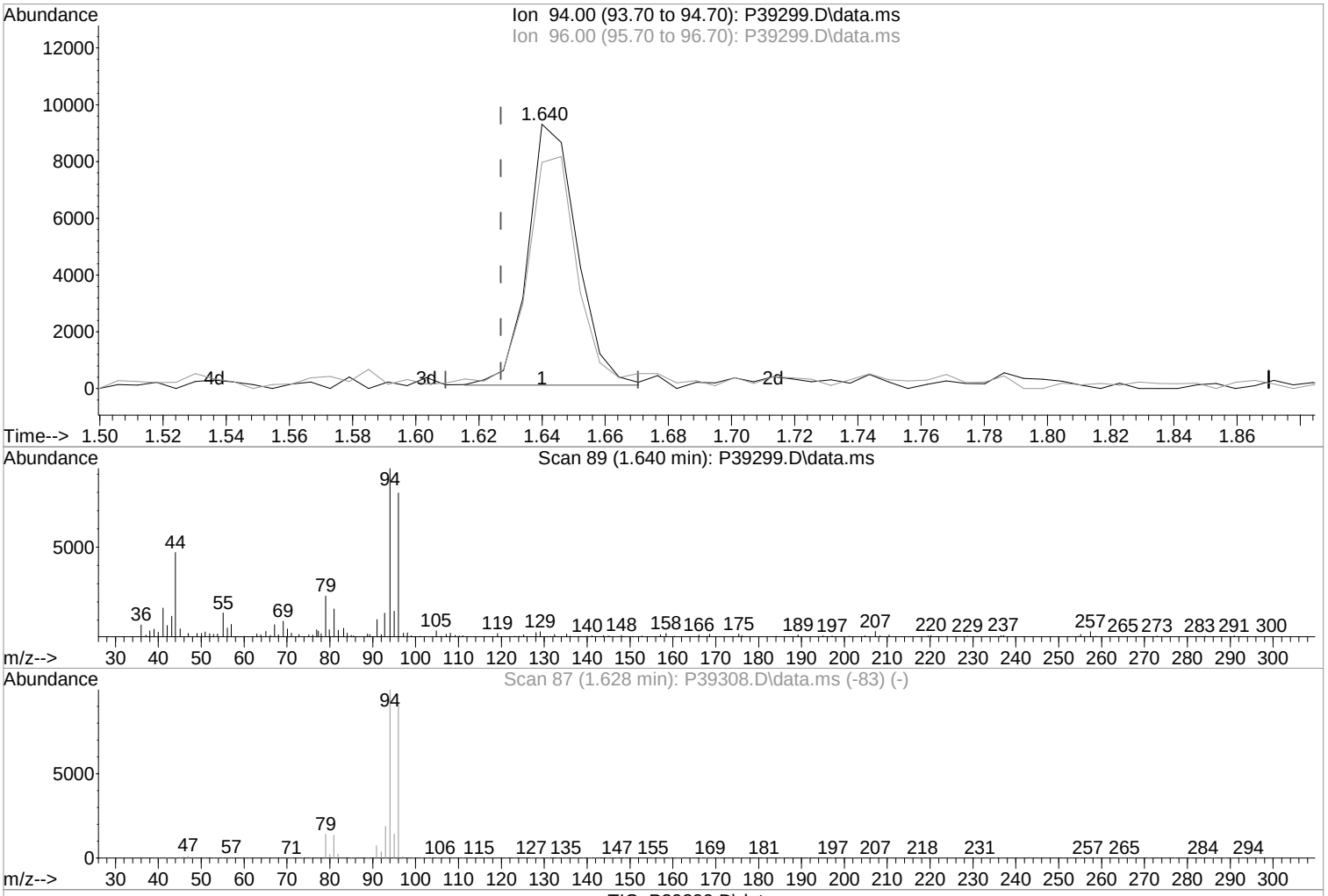
Before

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

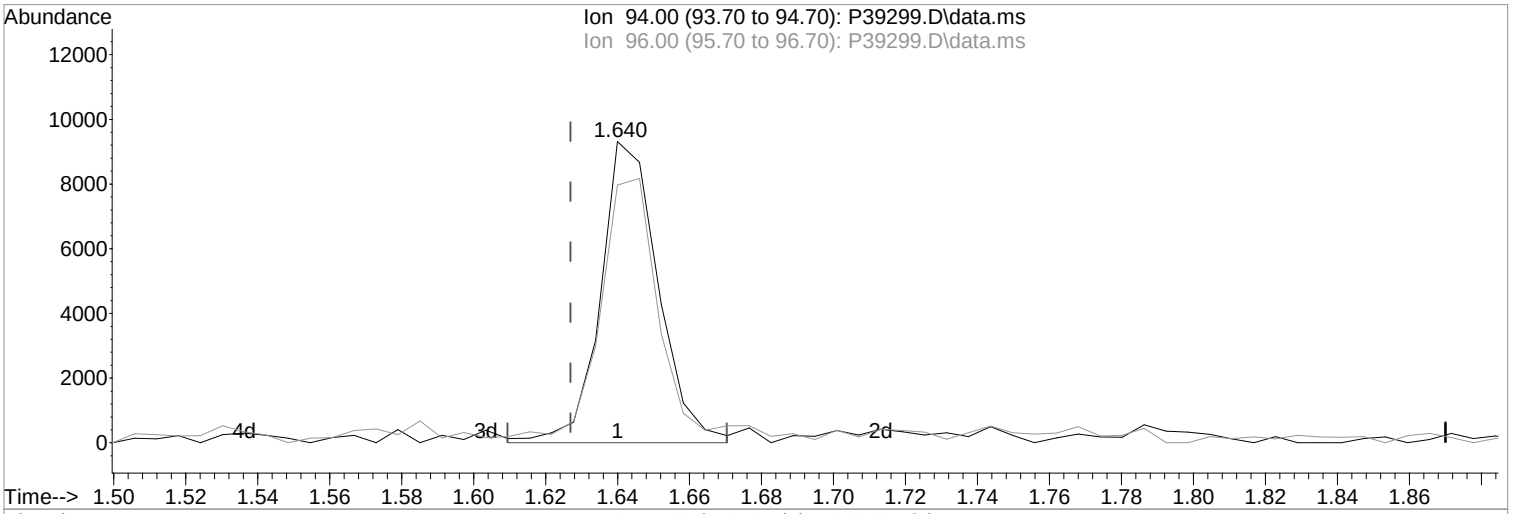
Poor integration.

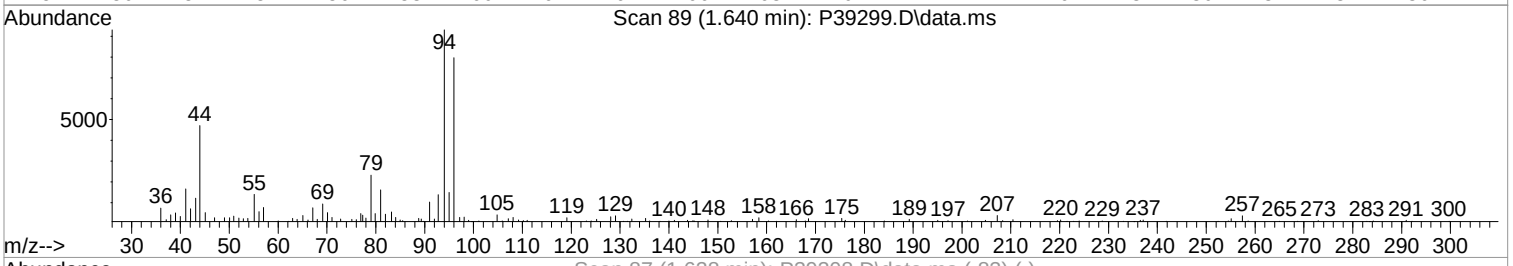
09/05/20

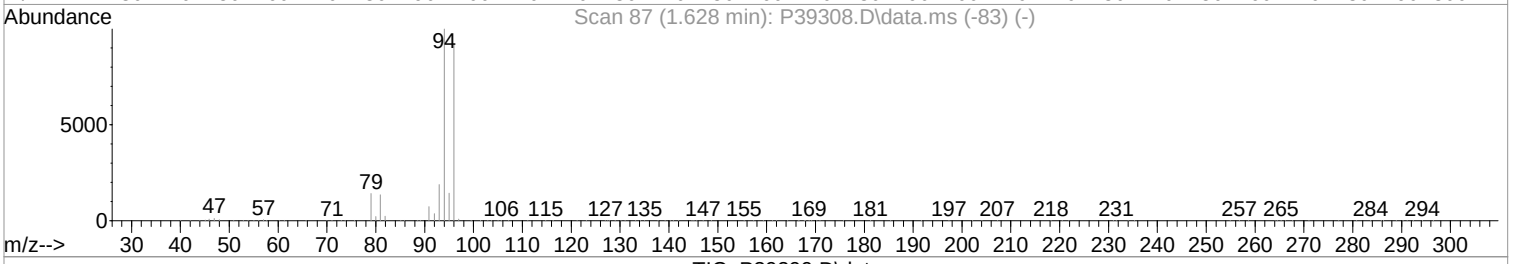
Quantitation Report (Qedit)

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:

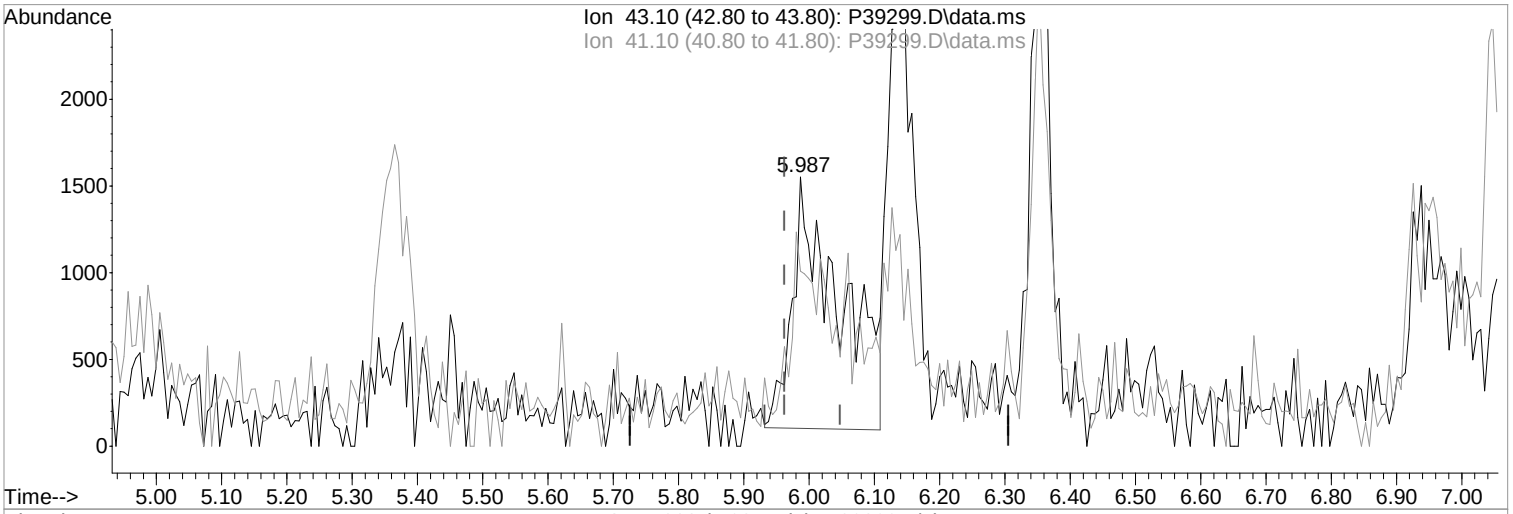
Before

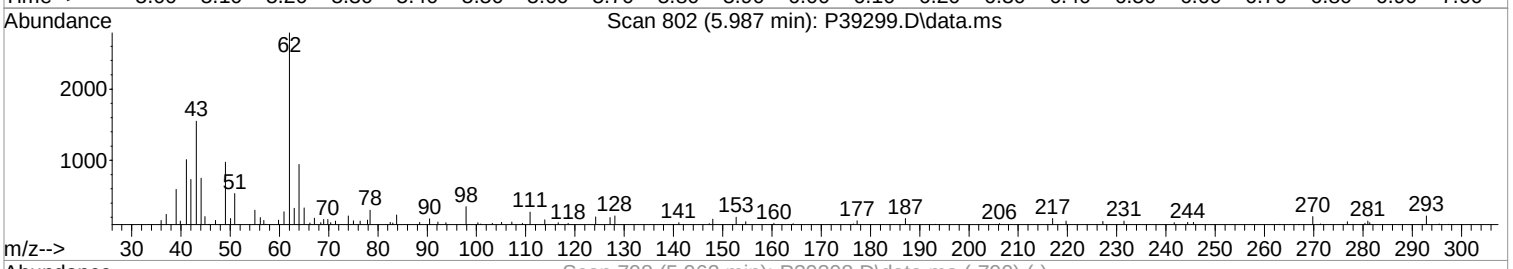
09/05/20

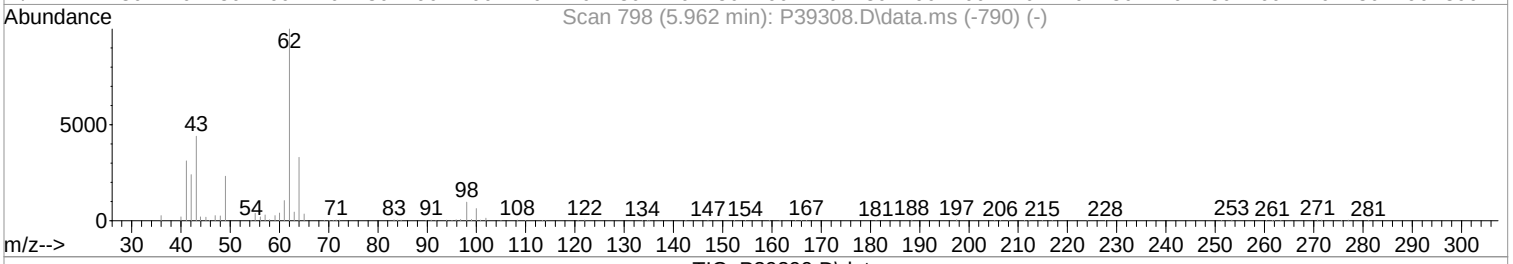
Quantitation Report (Qedit)

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

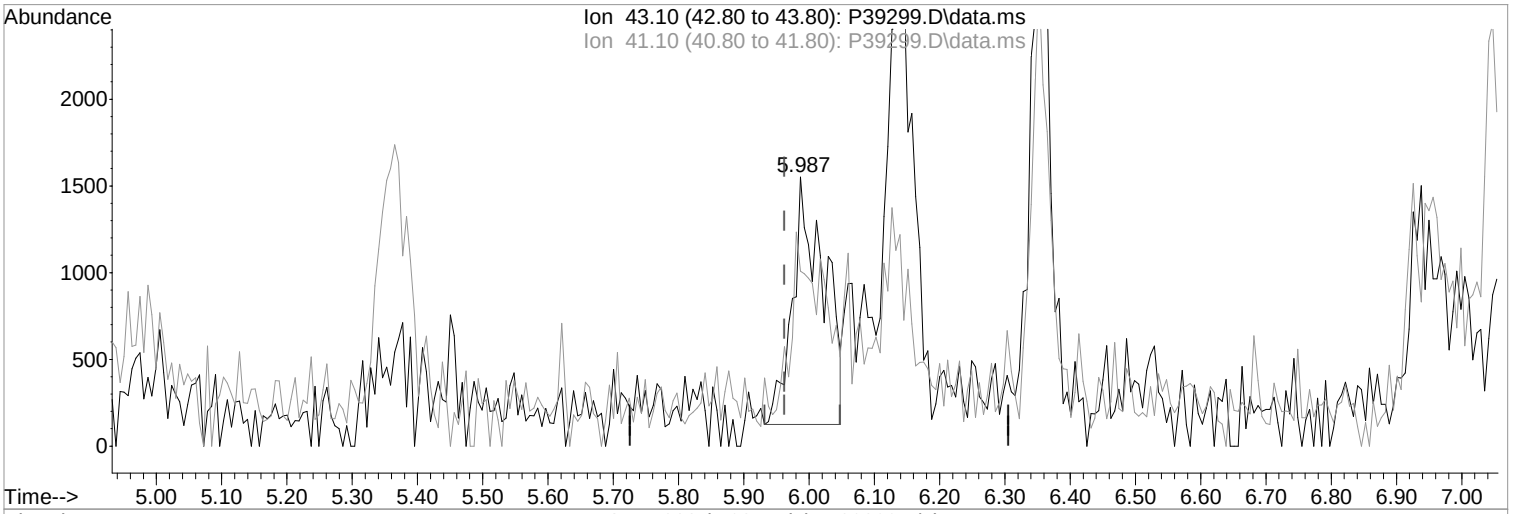
Poor integration.

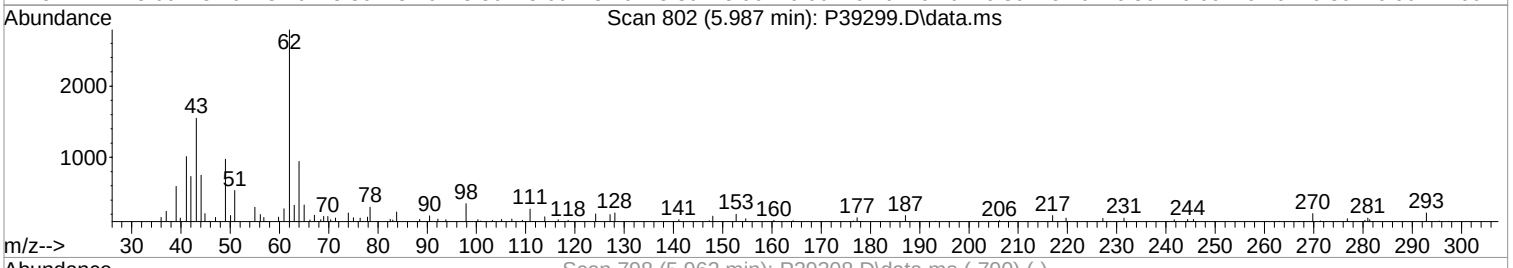
09/05/20

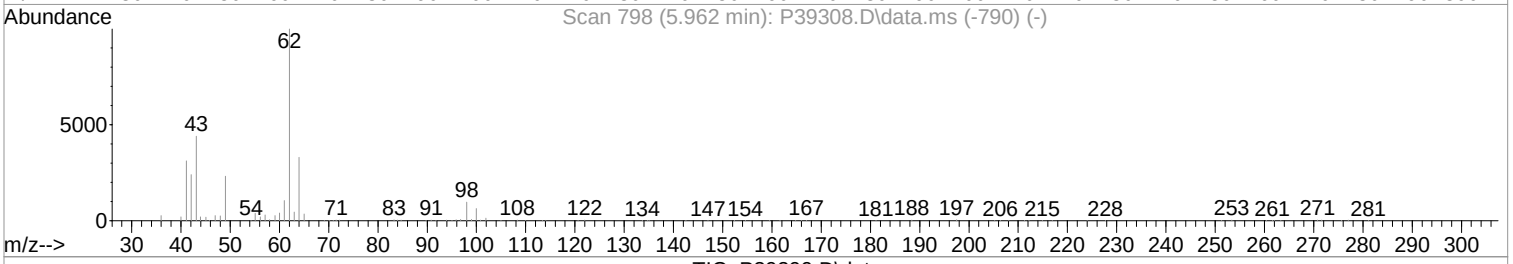
Quantitation Report (Qedit)

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:

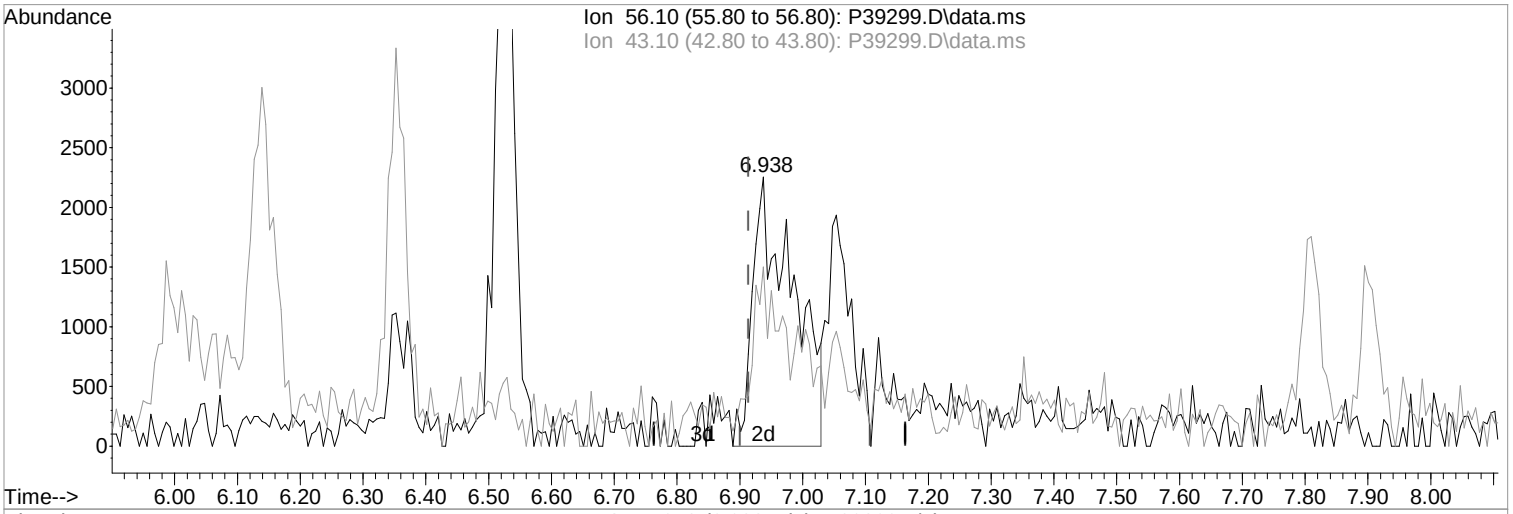
Before

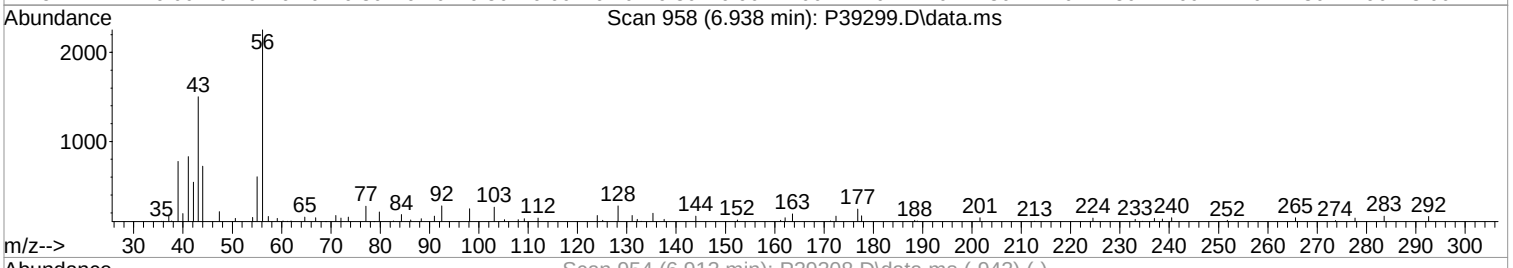
09/05/20

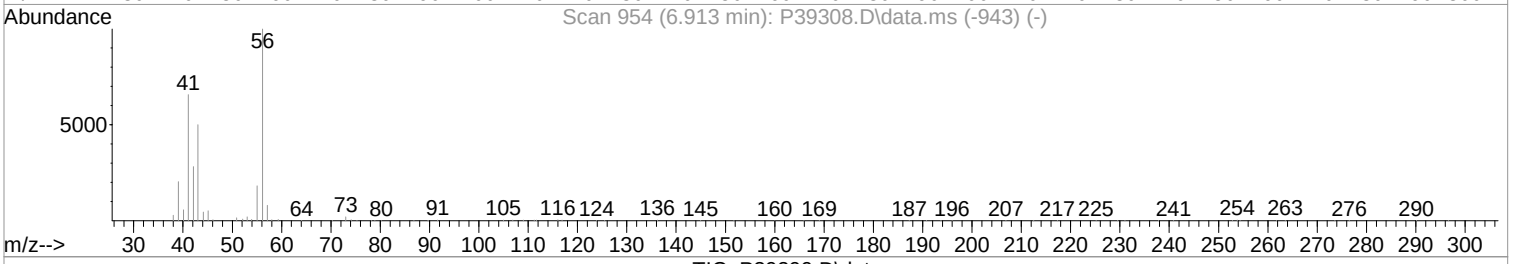
Quantitation Report (Qedit)

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

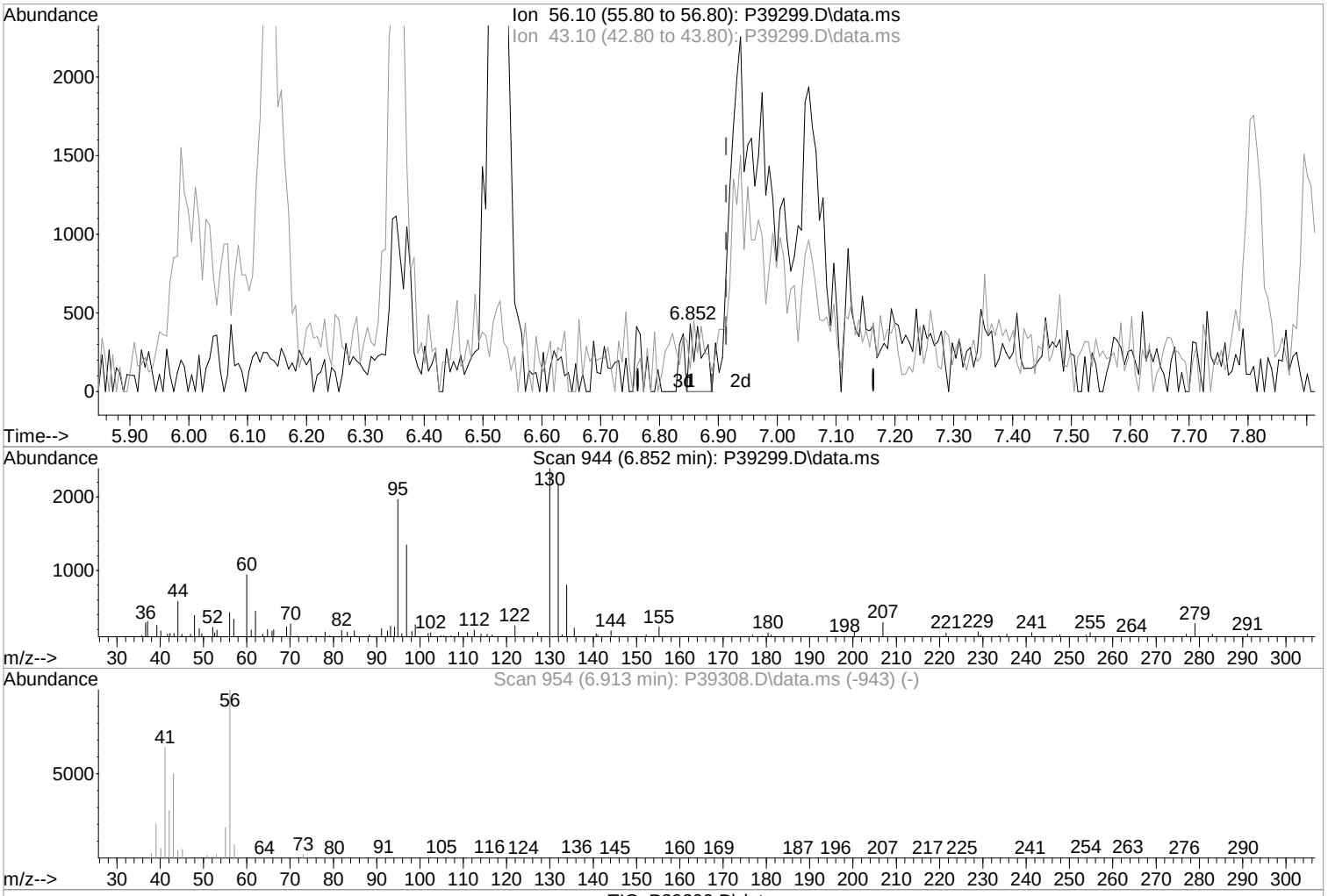
Poor integration.

09/05/20

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:

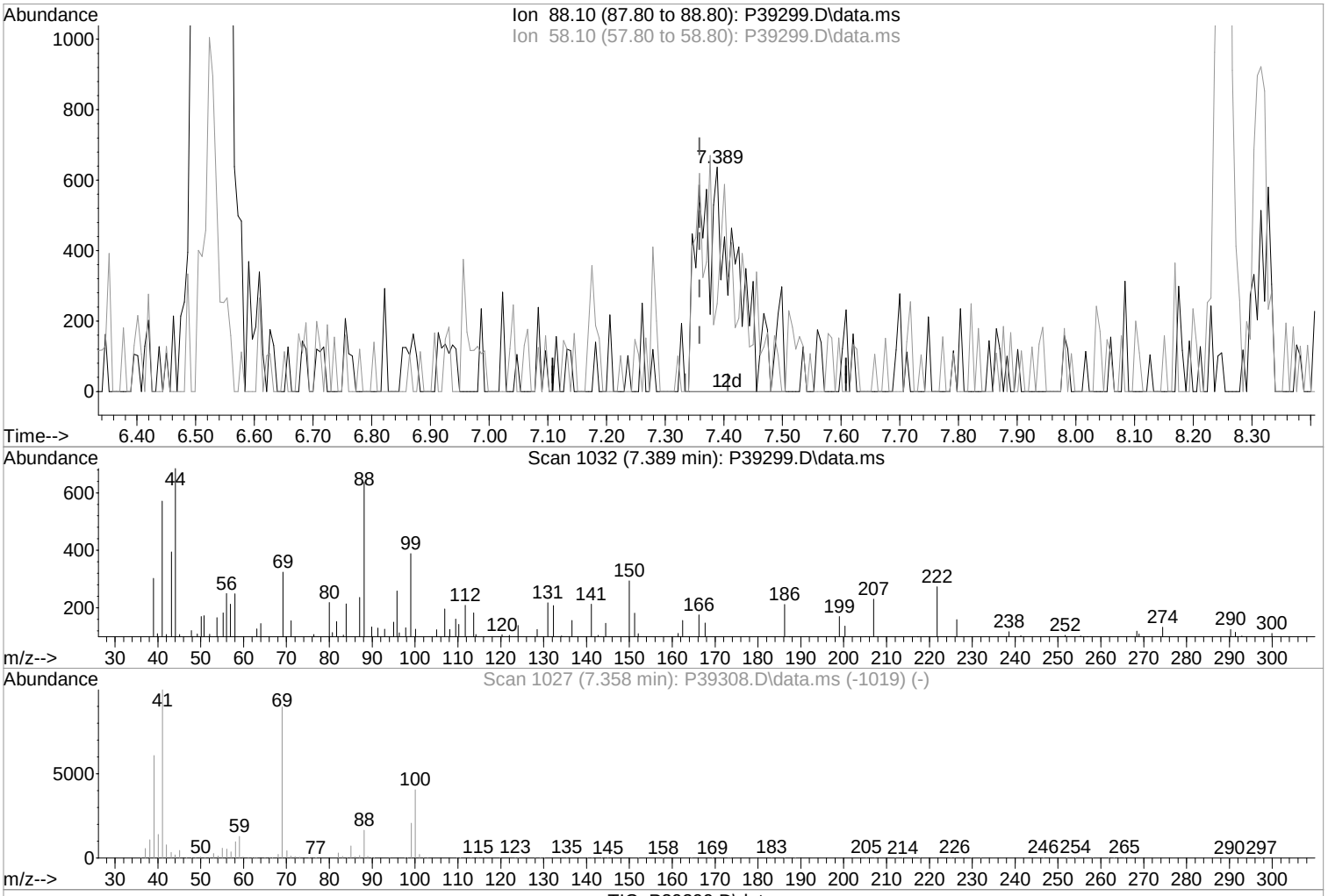
Before

09/05/20

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

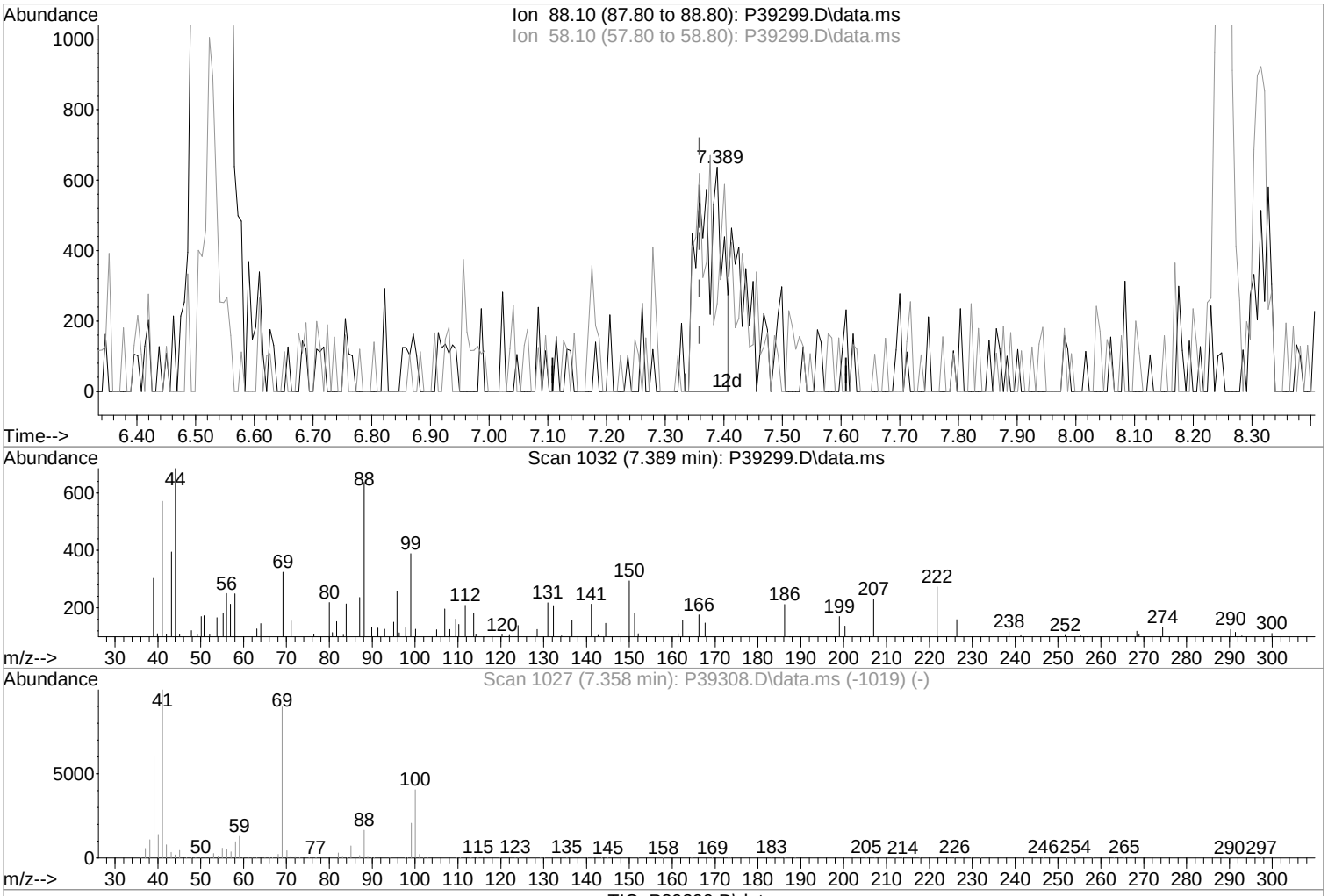
Poor integration.

09/05/20

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:

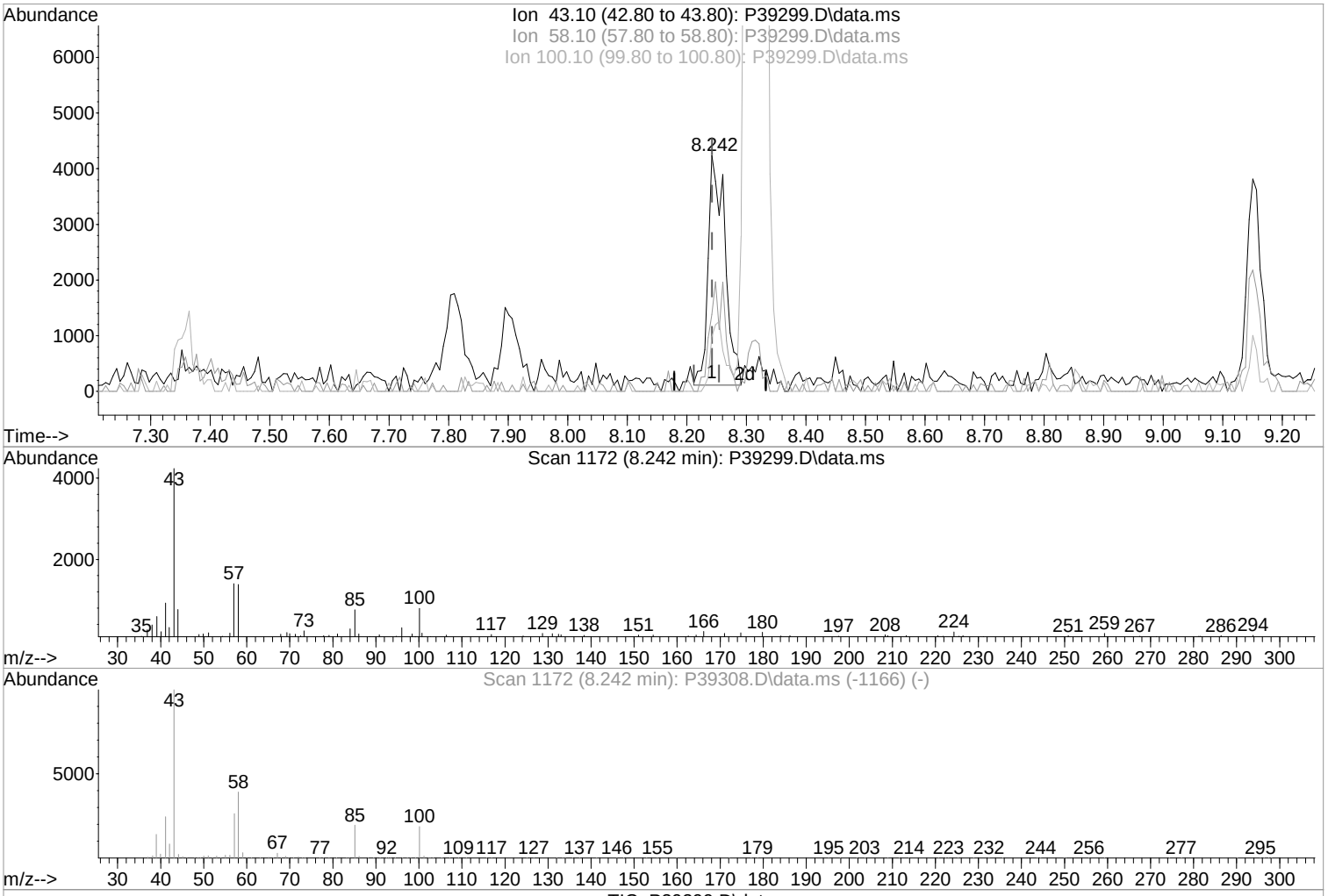
Before

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

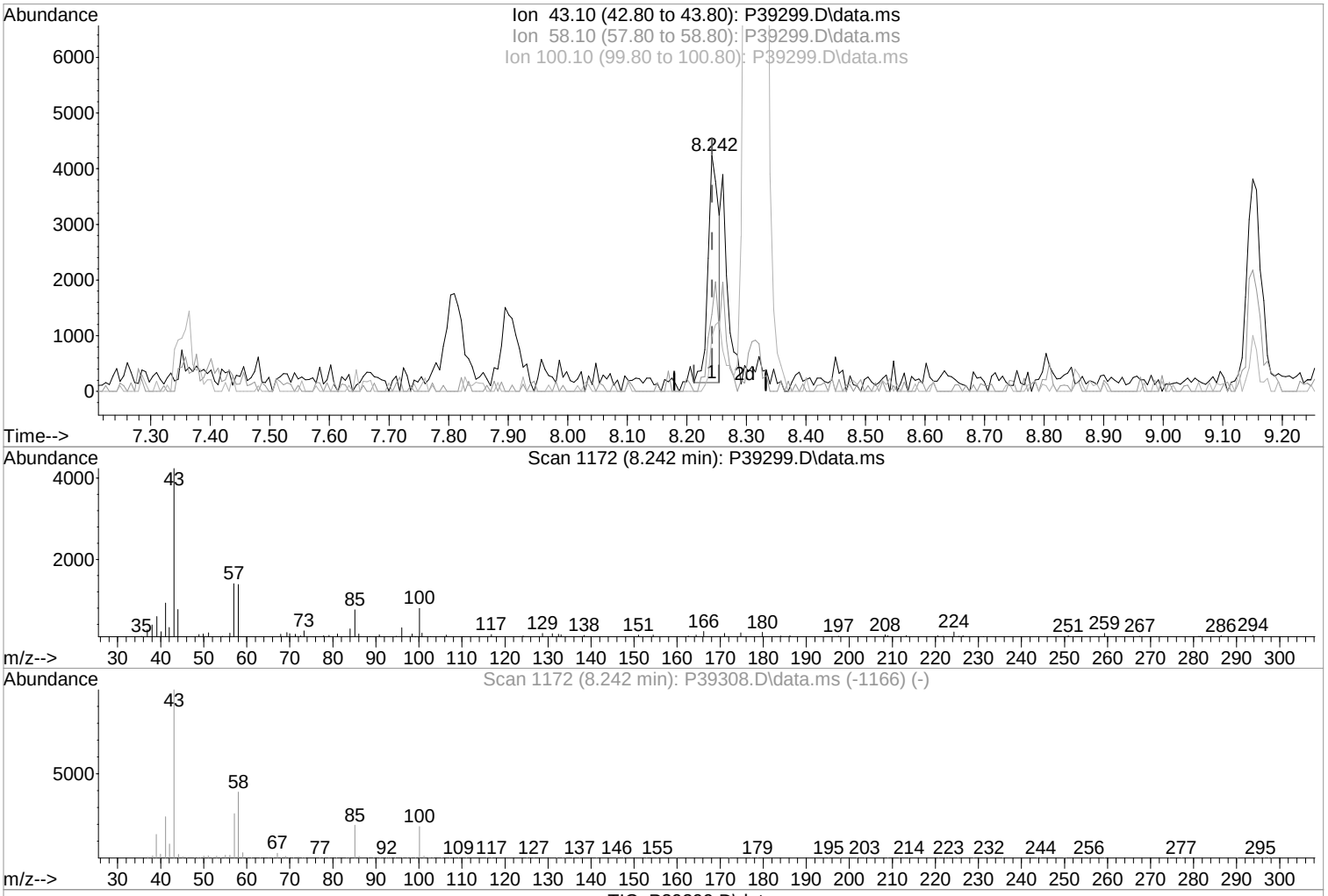
Split Peak

09/05/20

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

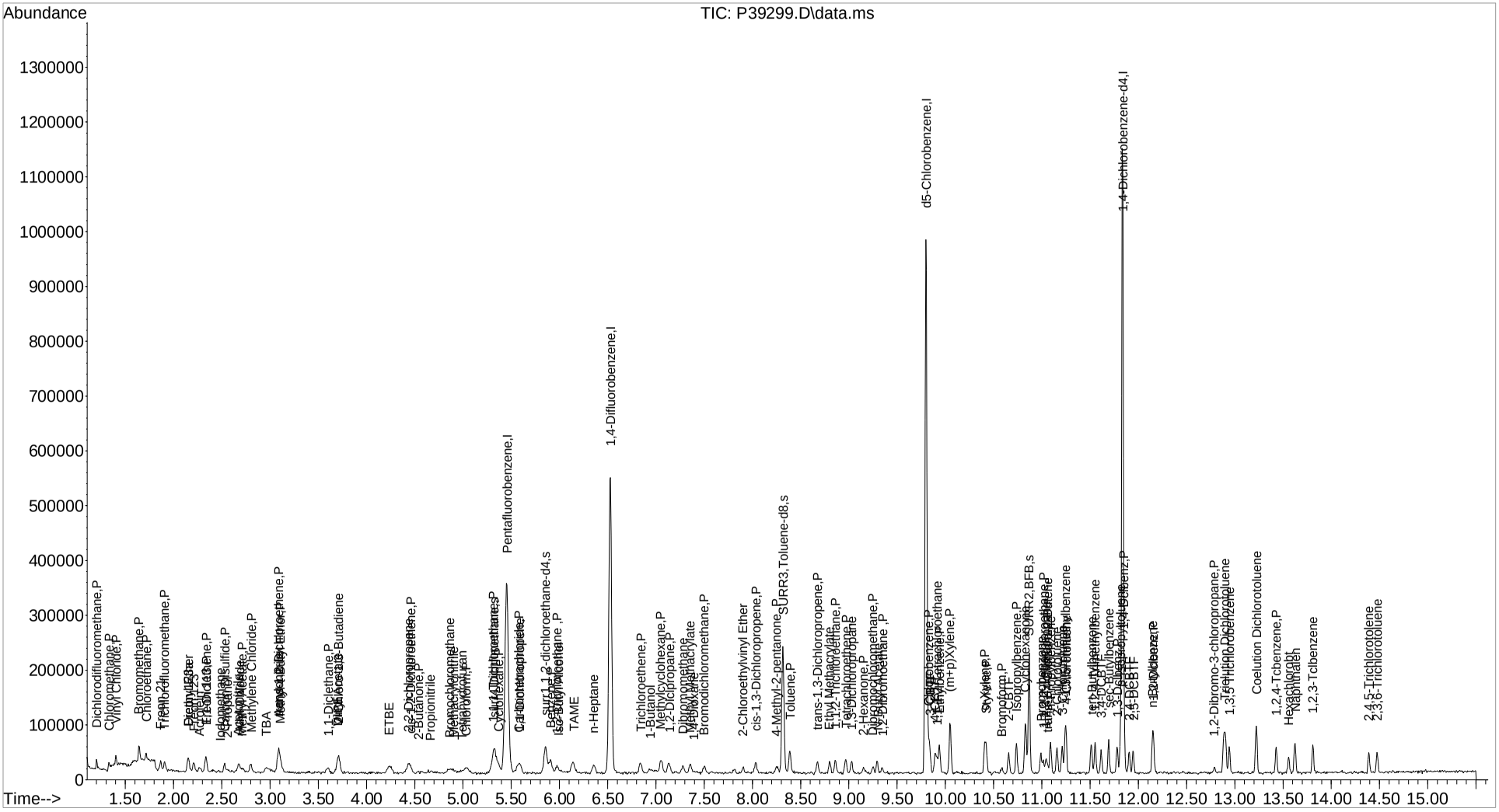
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

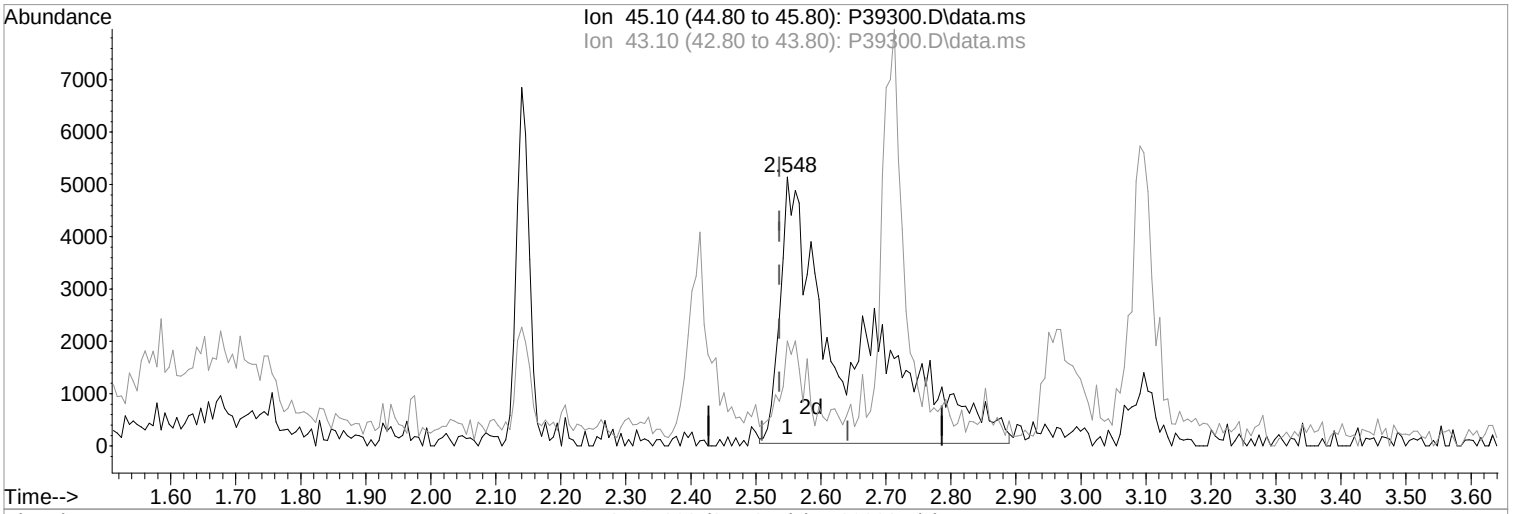
Quant Time: Sep 05 09:02:37 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

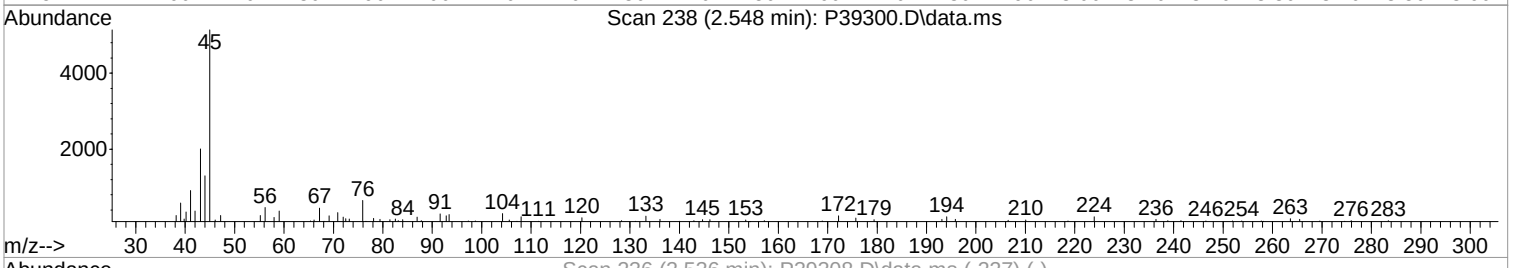


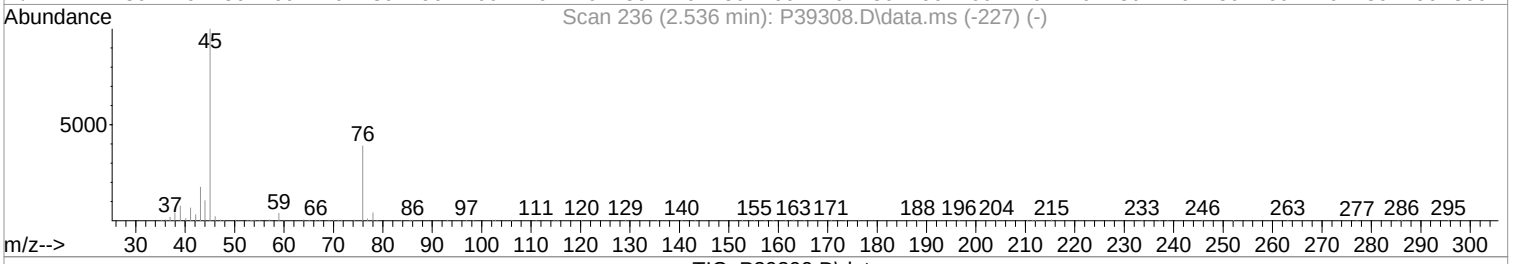
Quantitation Report (Qedit)

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.

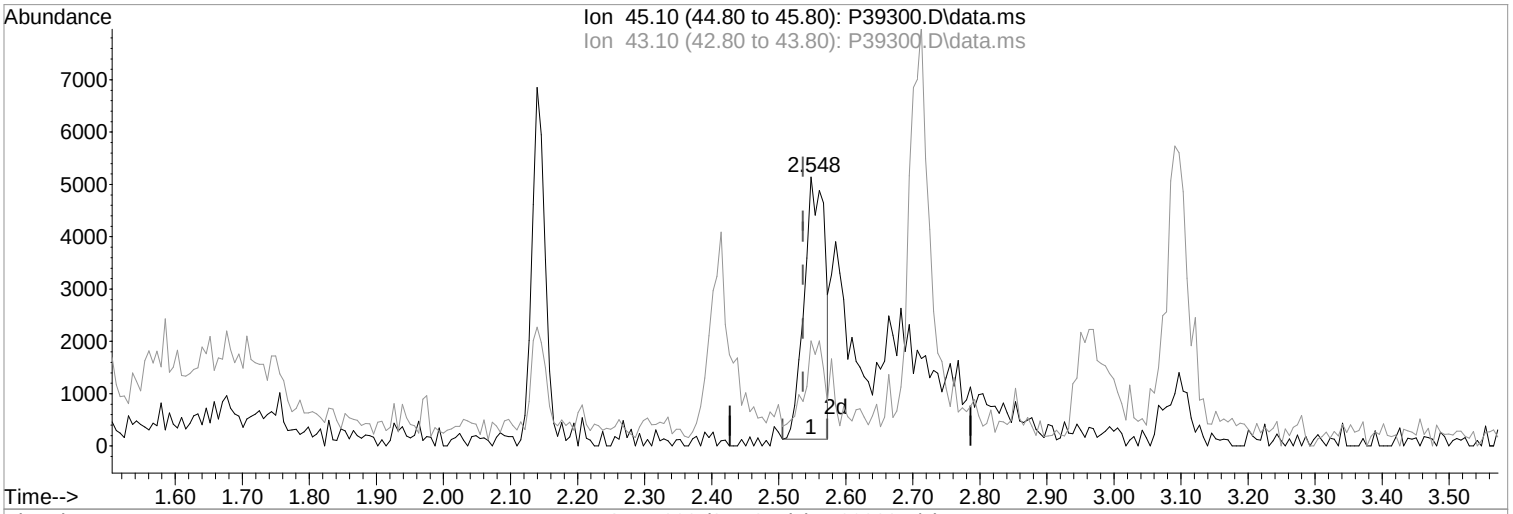
09/05/20

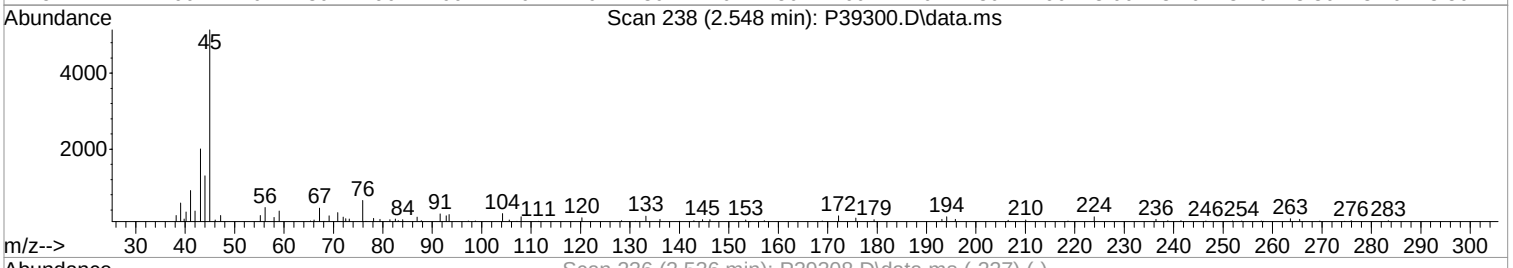
1st 09/05/20
2nd 09/05/20

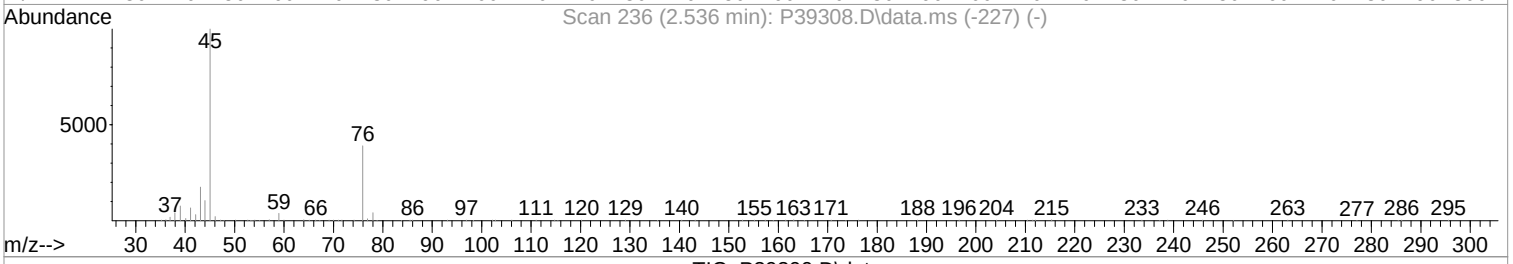
Quantitation Report (Qedit)

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:

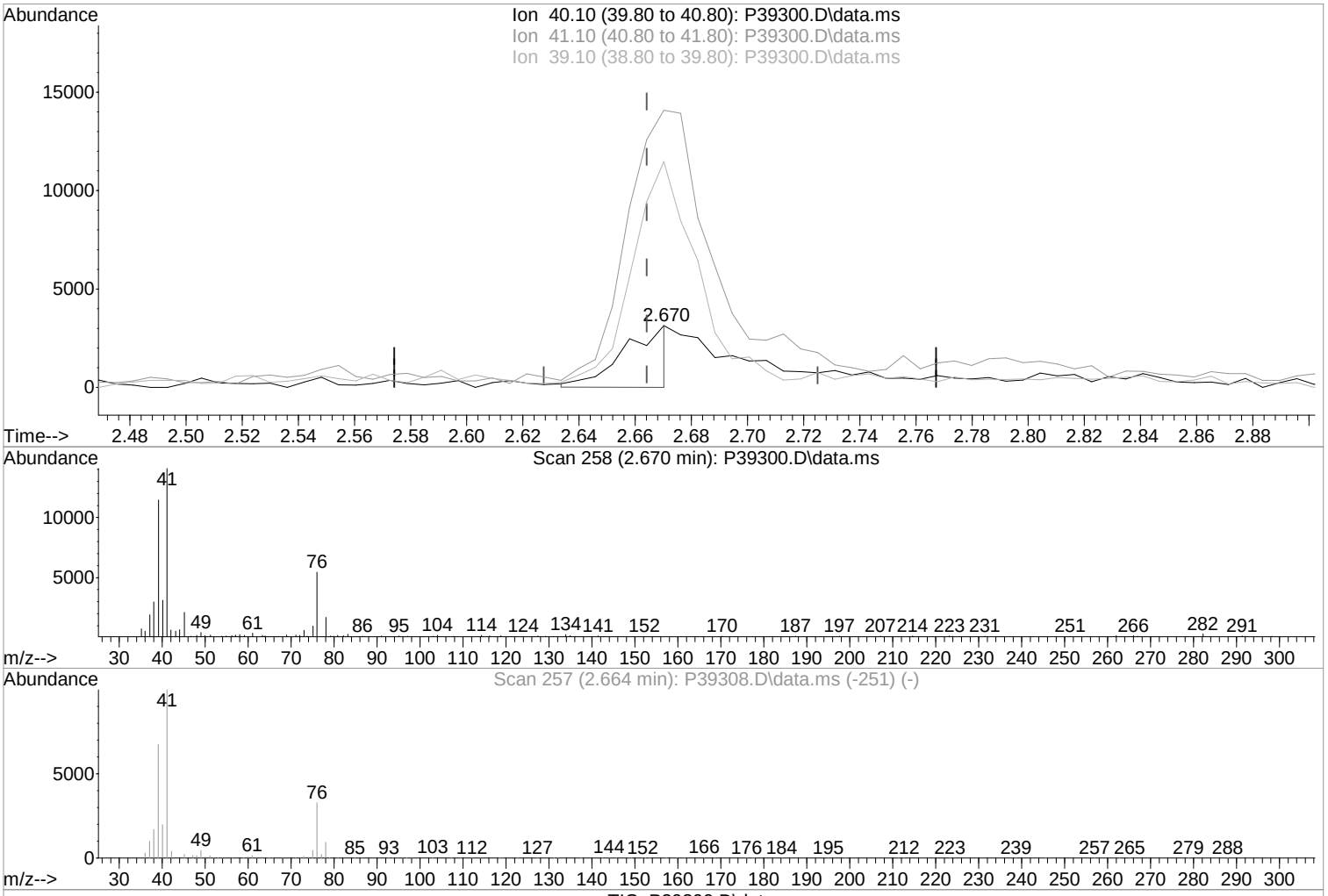
Before

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

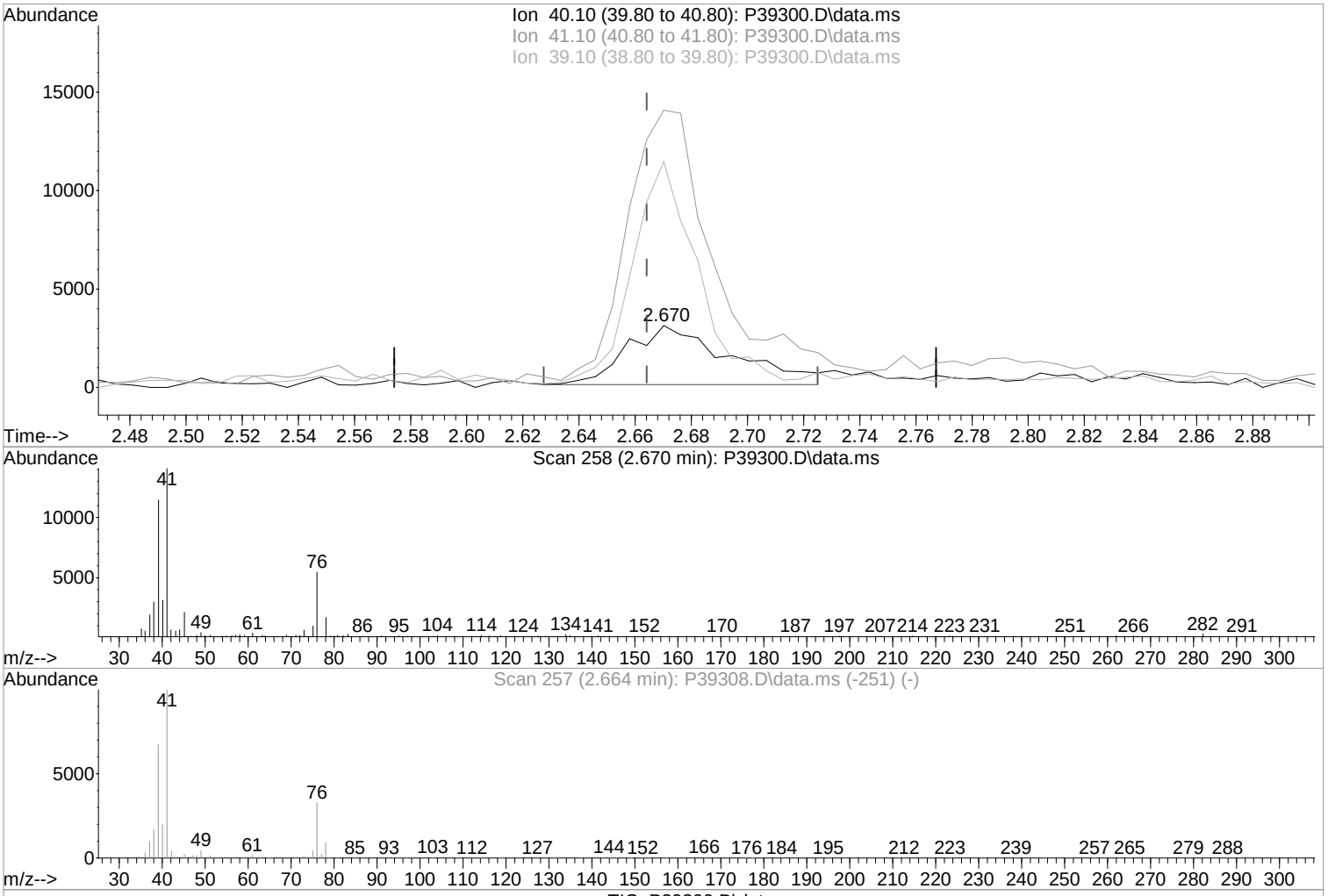
Poor integration.

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

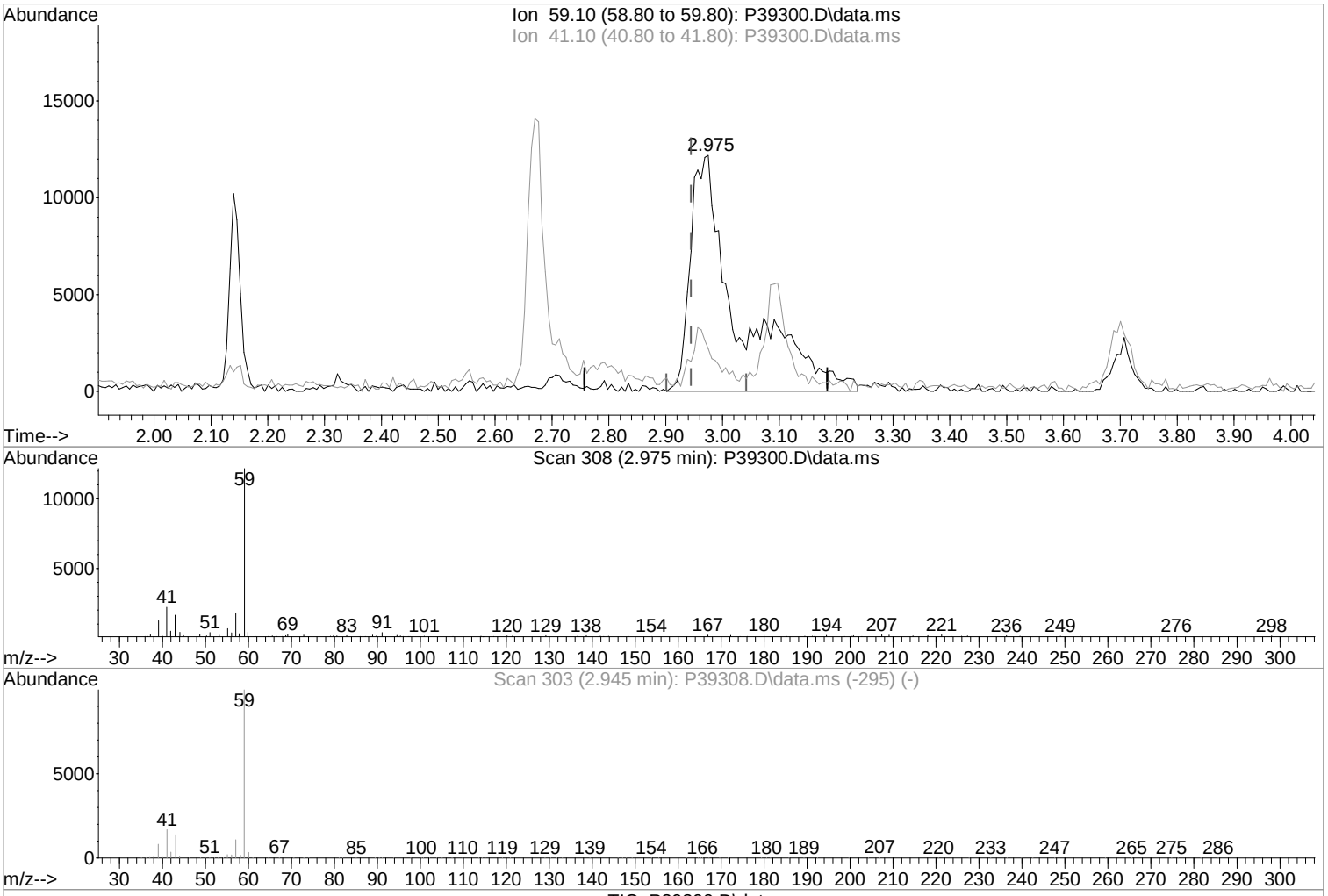
09/05/20

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

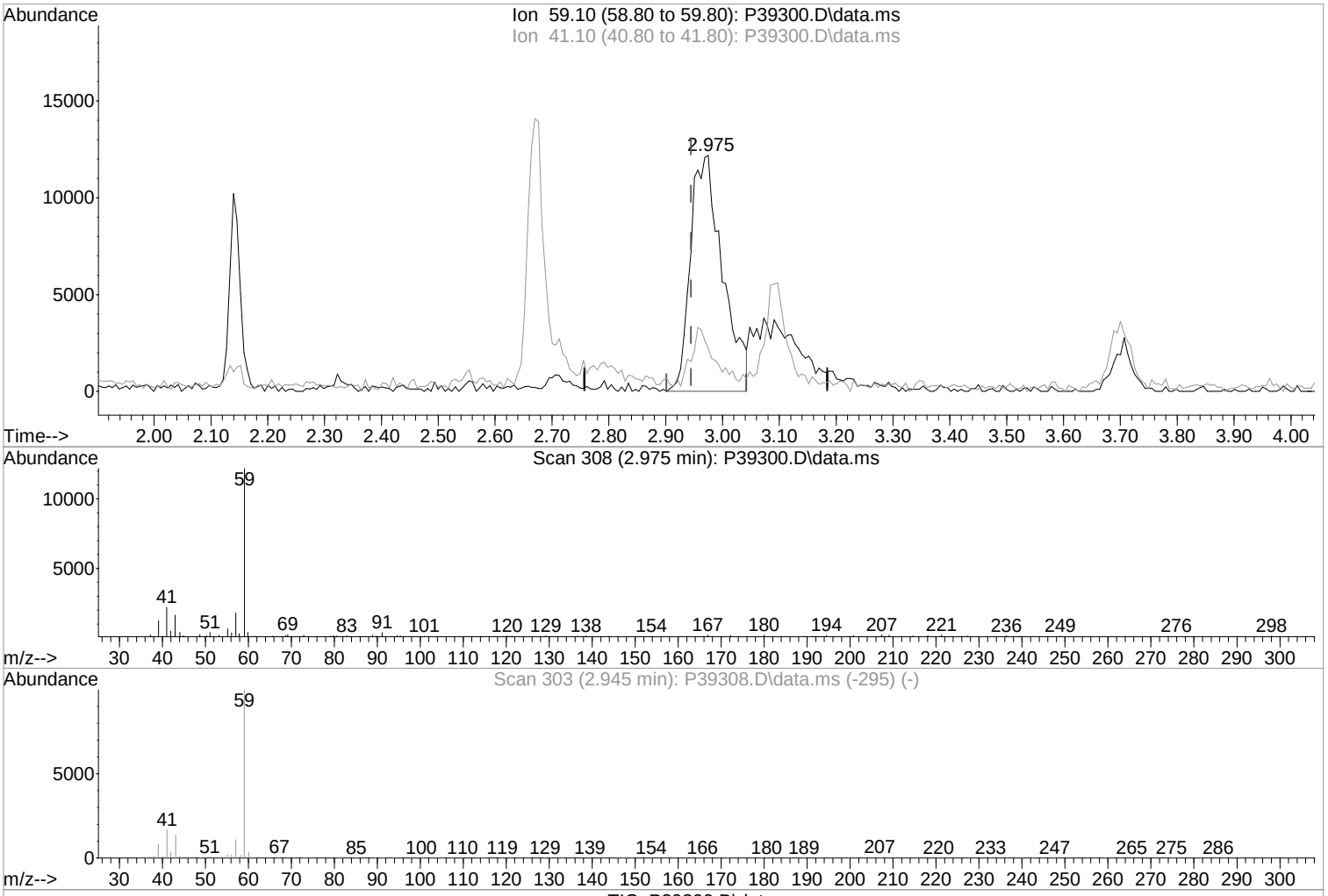
Poor integration.

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

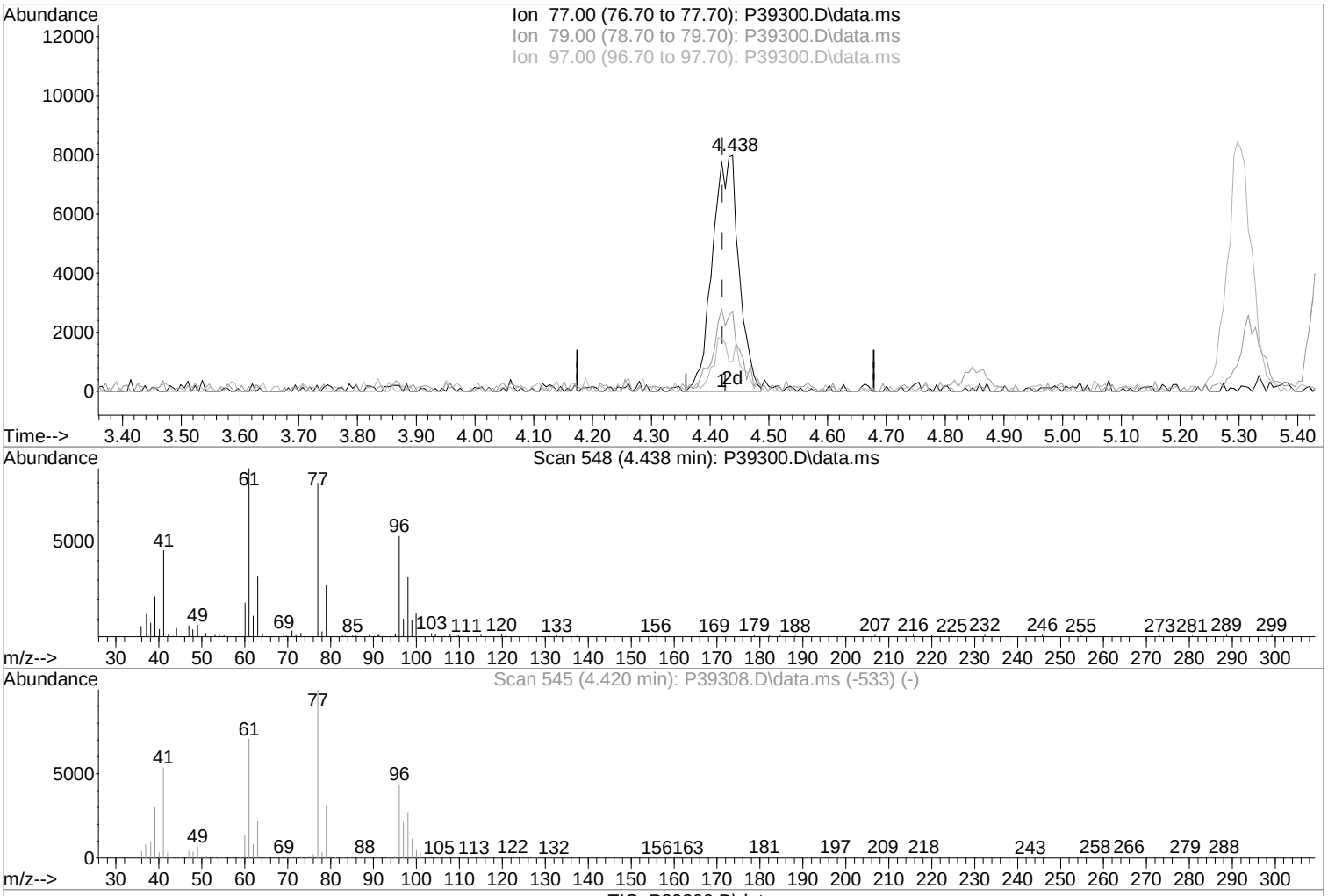
09/05/20

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

(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

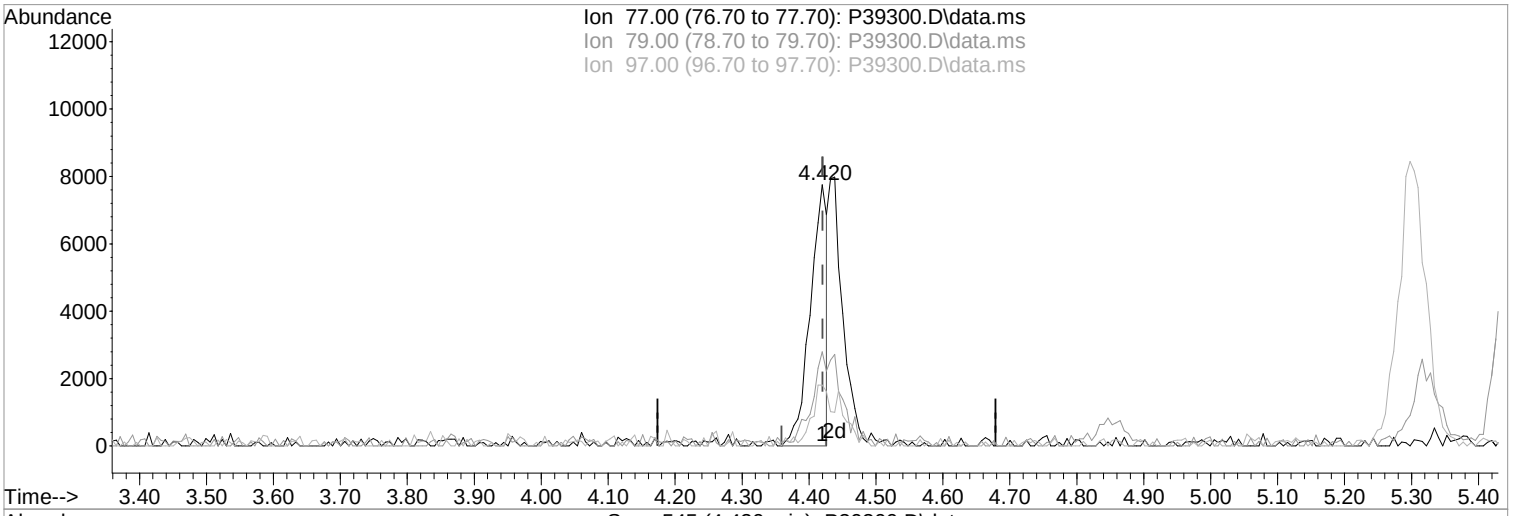
Split Peak

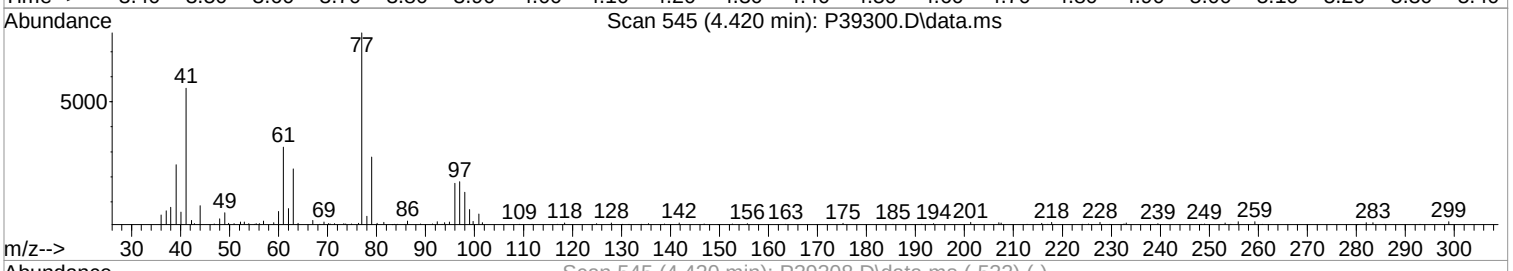
09/05/20

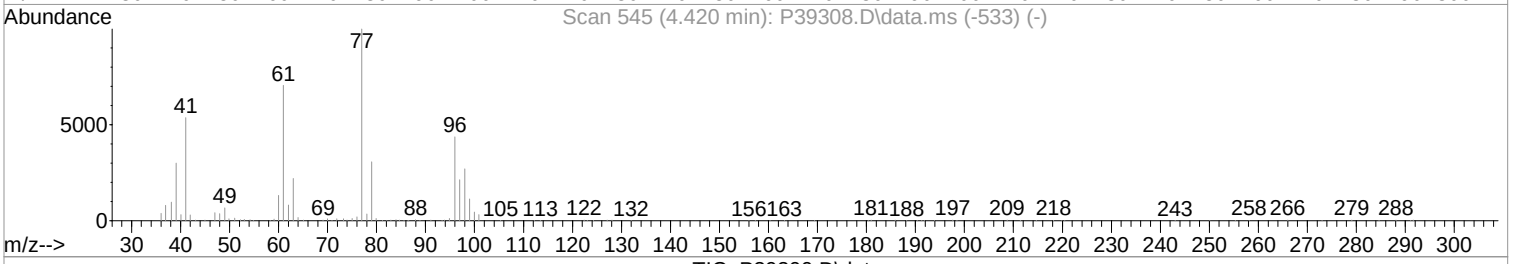
Quantitation Report (Qedit)

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
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

(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

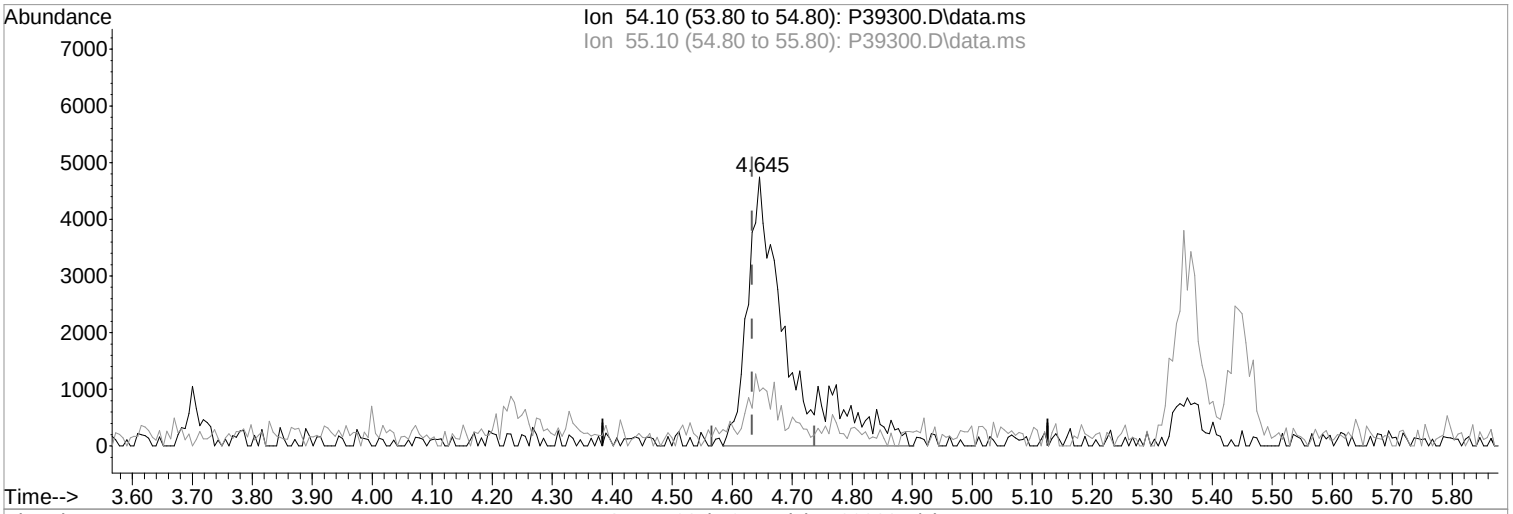
09/05/20

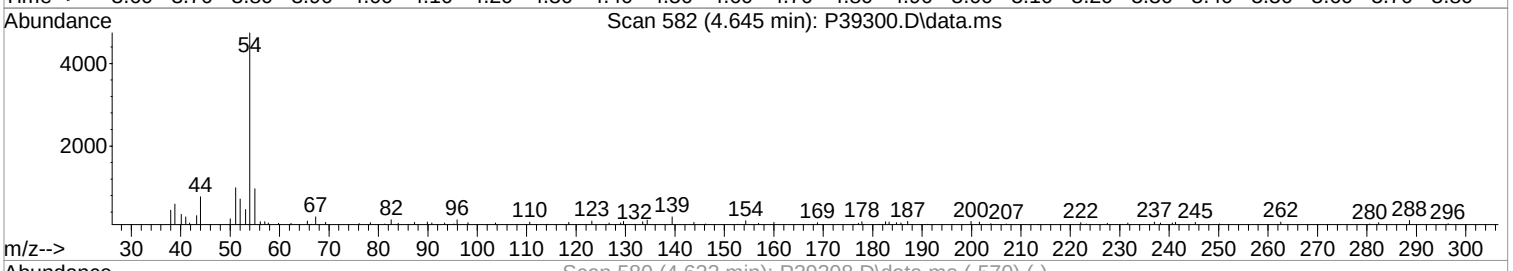
1st 09/05/20
2nd 09/05/20

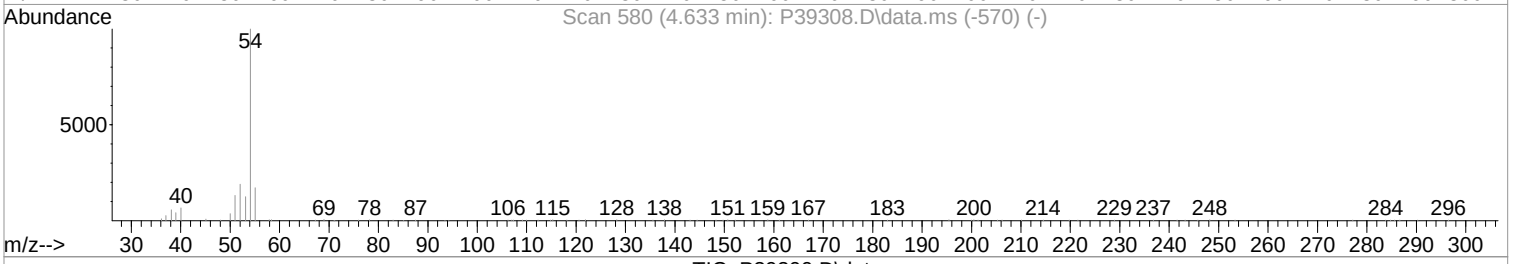
Quantitation Report (Qedit)

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.

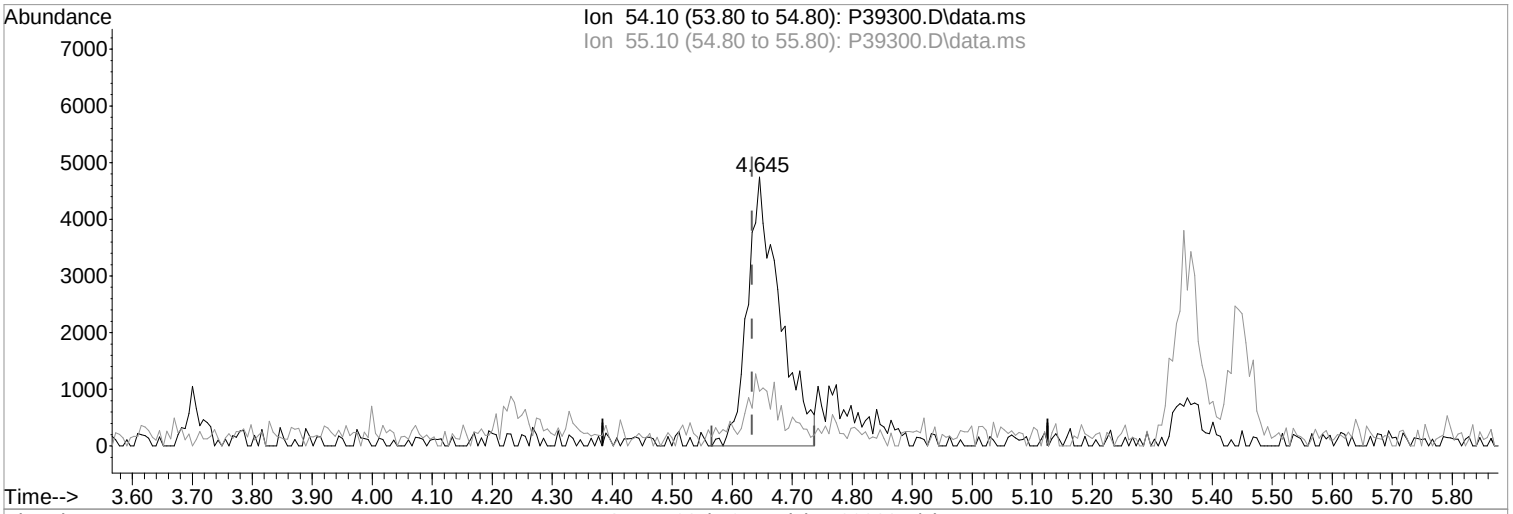
09/05/20

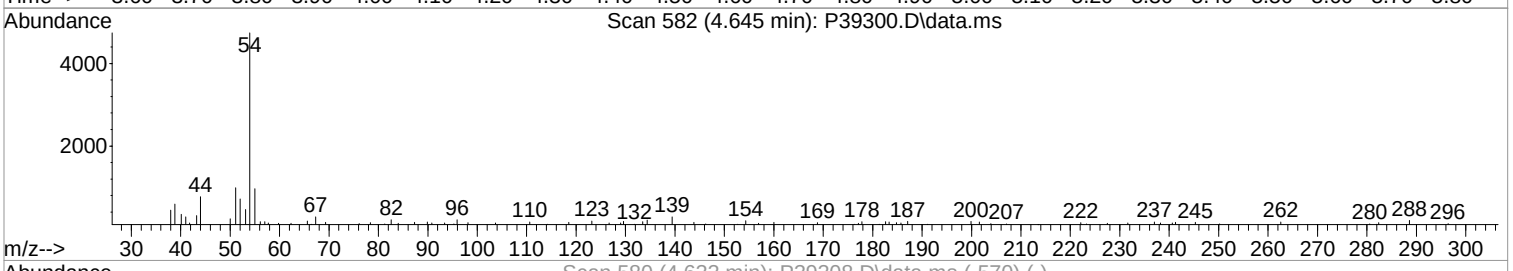
1st 09/05/20
2nd 09/05/20

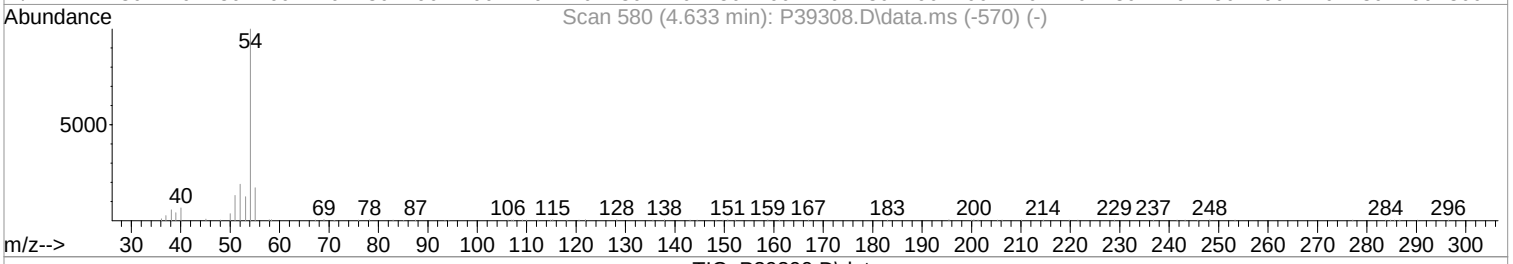
Quantitation Report (Qedit)

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) 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

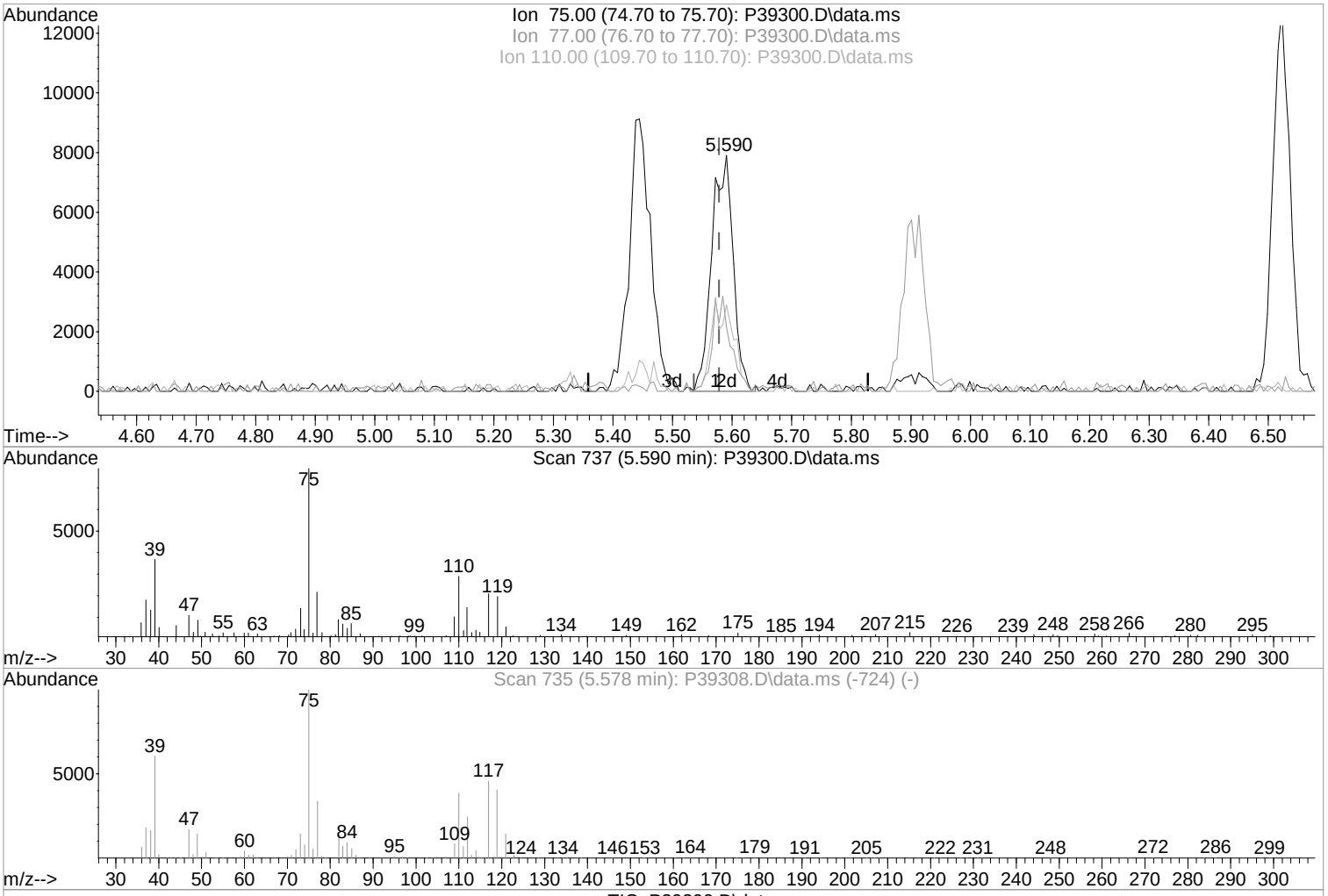
09/05/20

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

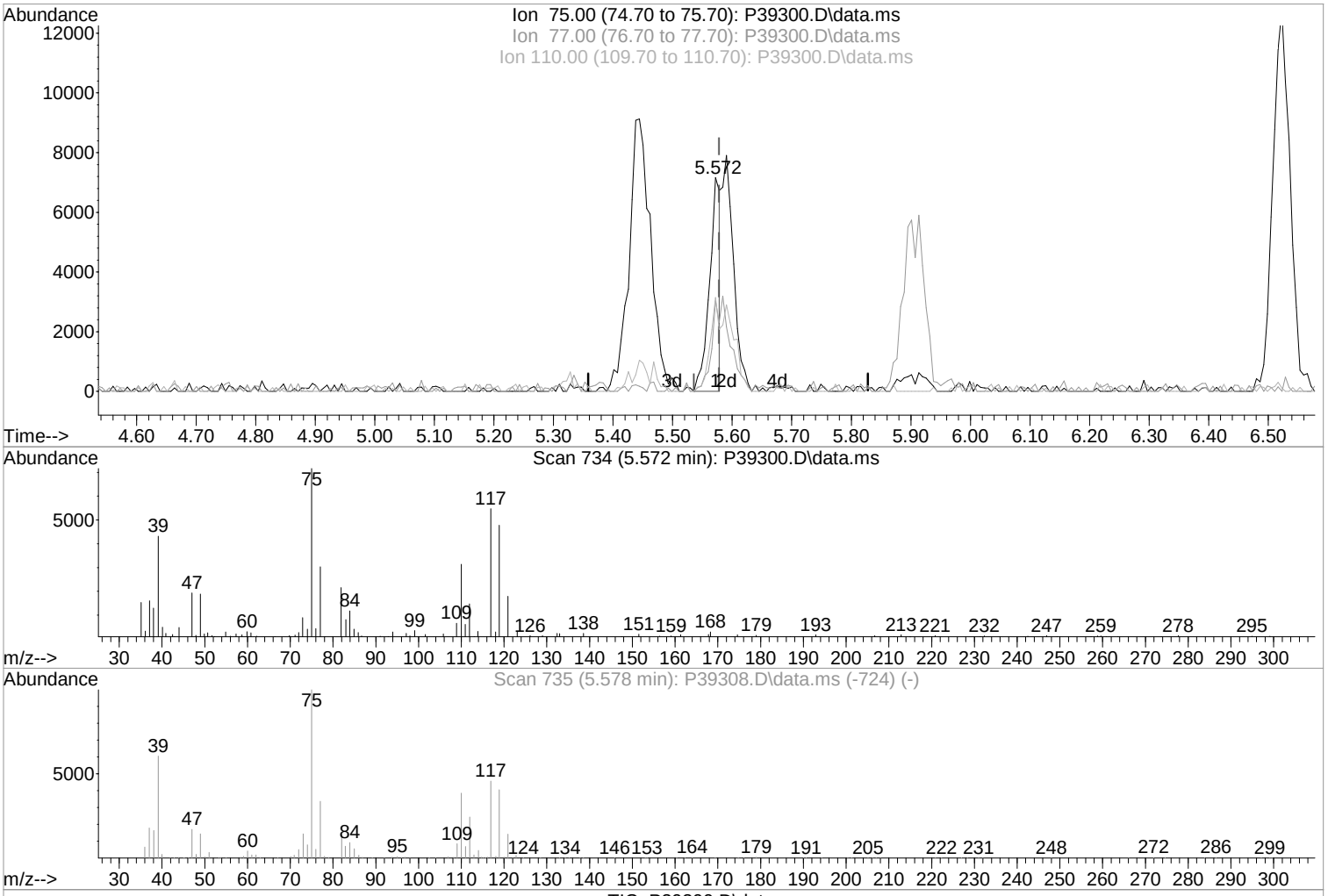
09/05/20

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:

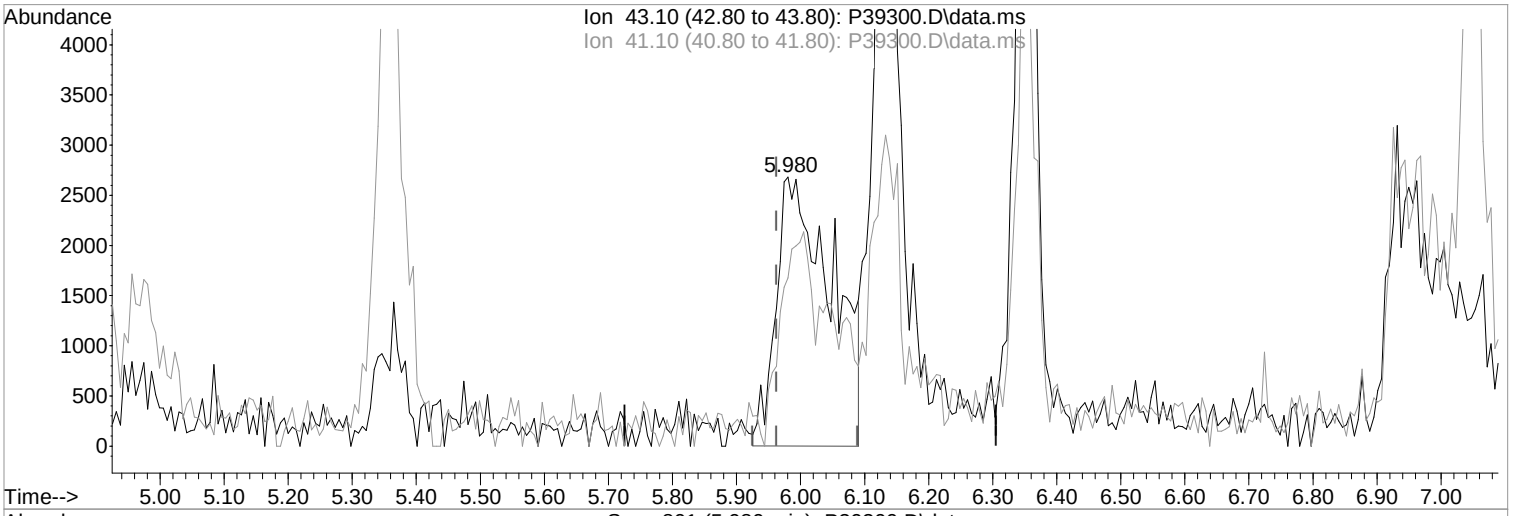
Before

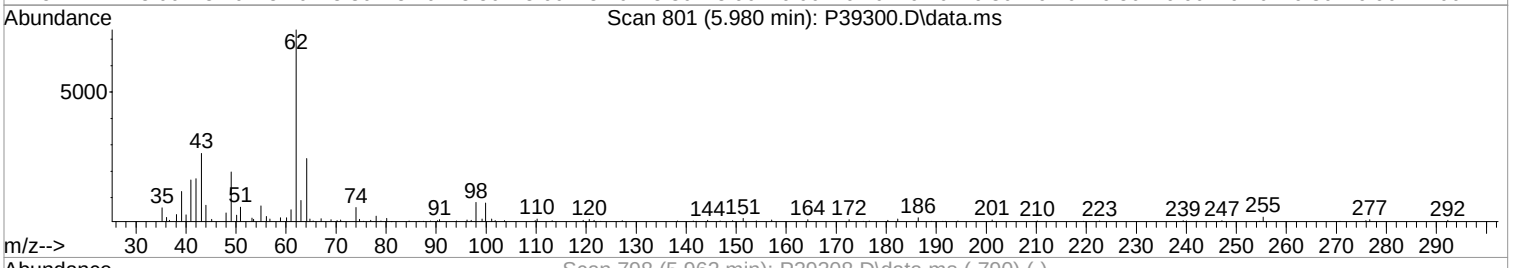
09/05/20

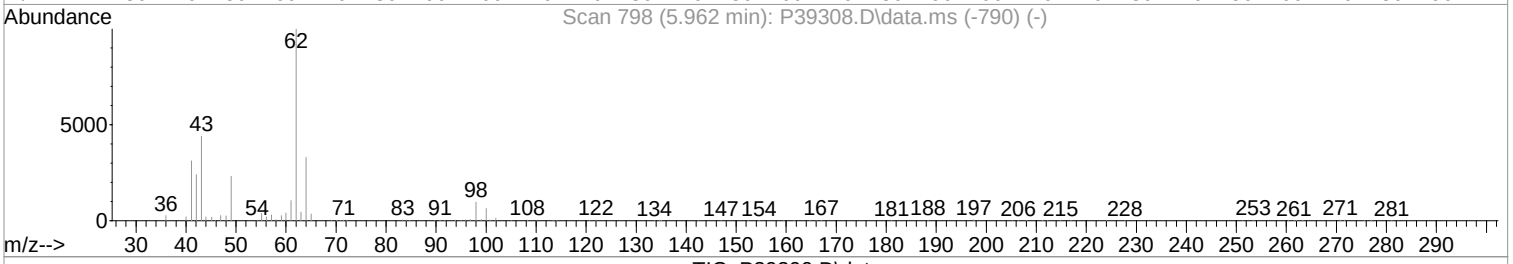
Quantitation Report (Qedit)

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.

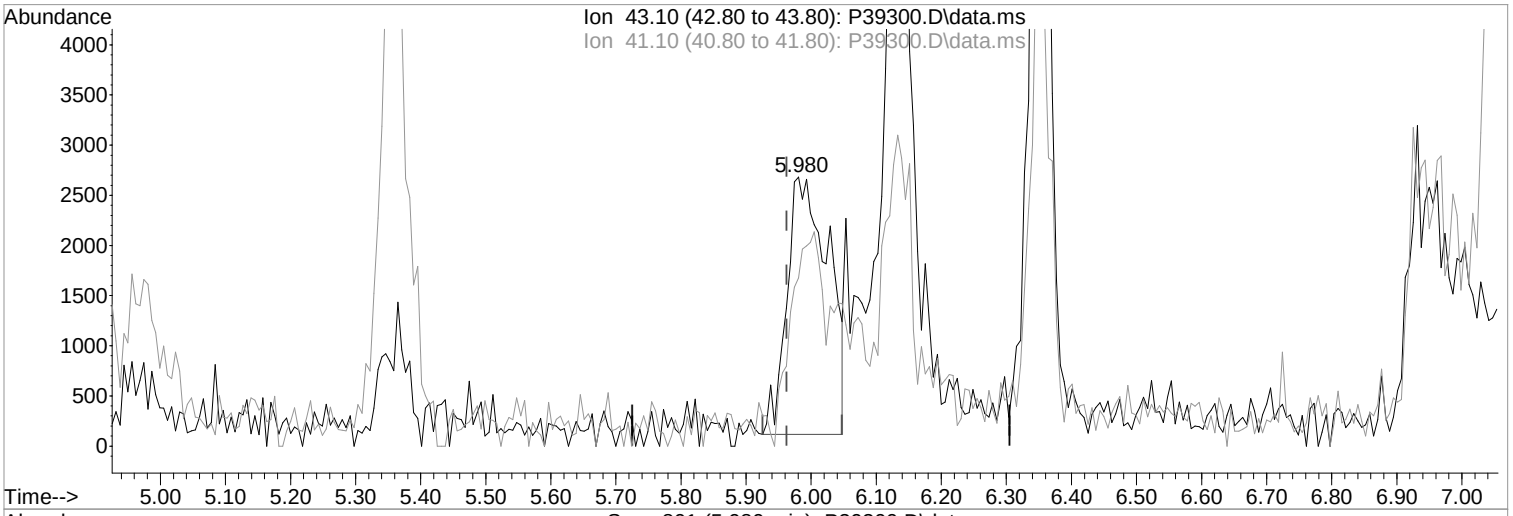
09/05/20

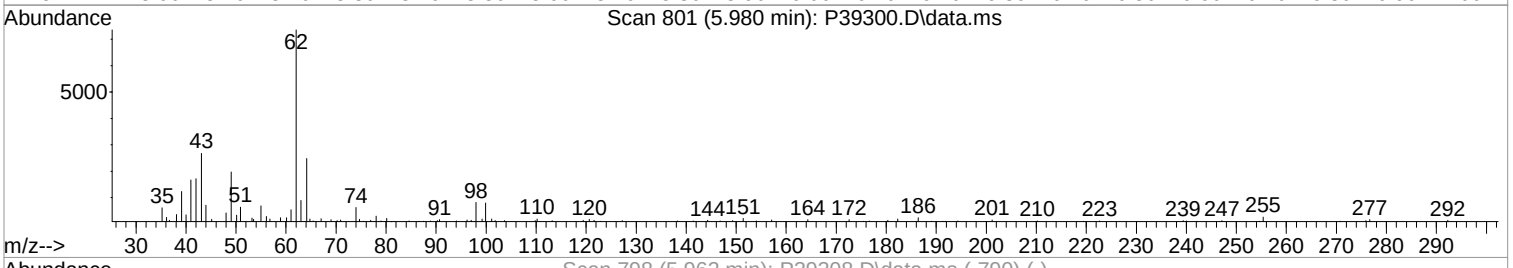
1st 09/05/20
2nd 09/05/20

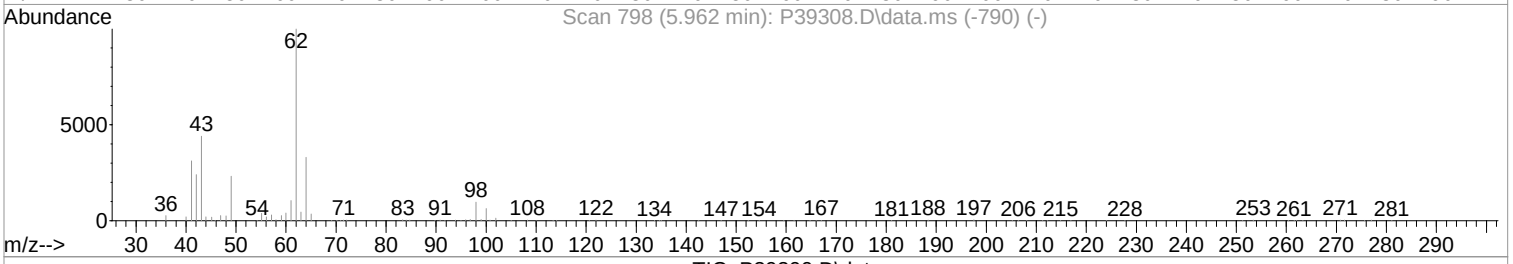
Quantitation Report (Qedit)

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

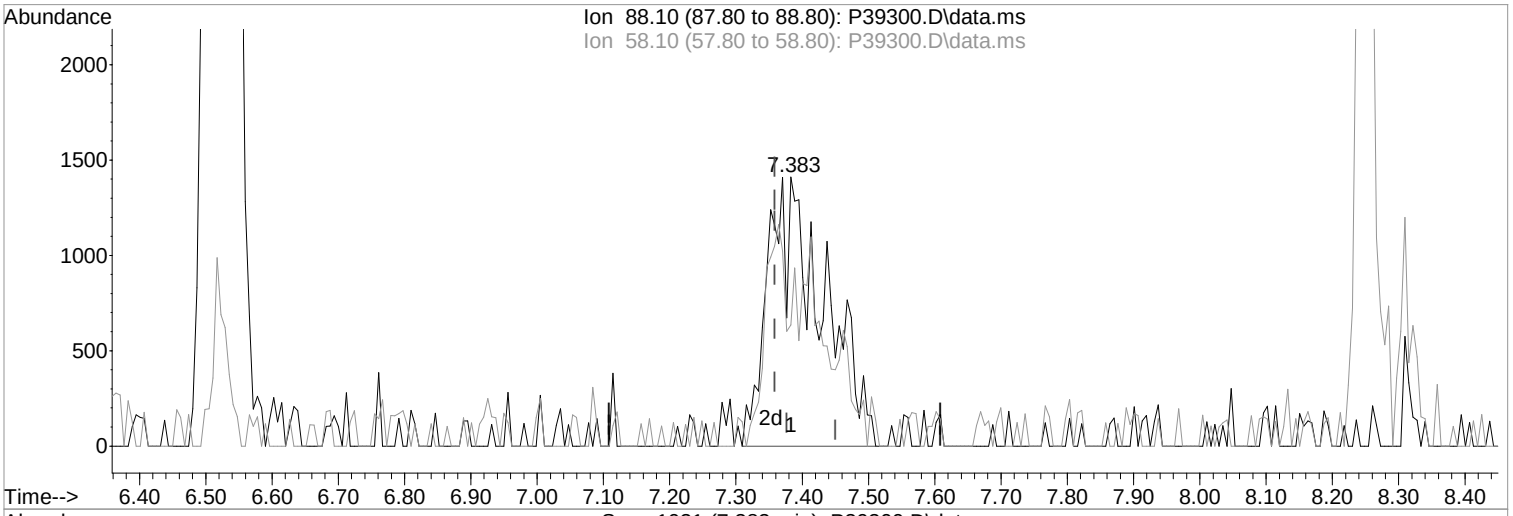
09/05/20

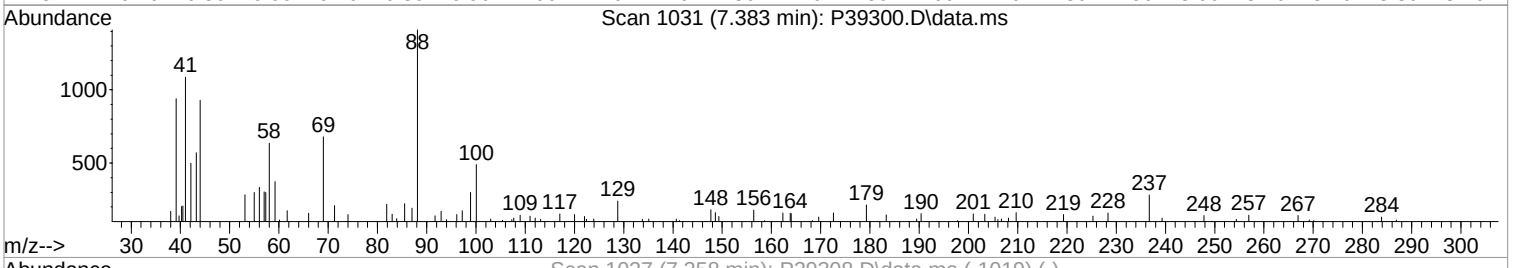
1st 09/05/20
2nd 09/05/20

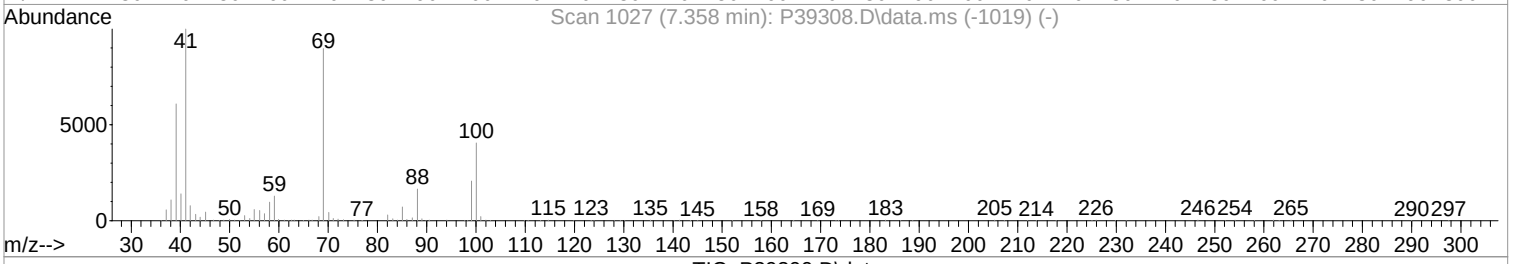
Quantitation Report (Qedit)

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

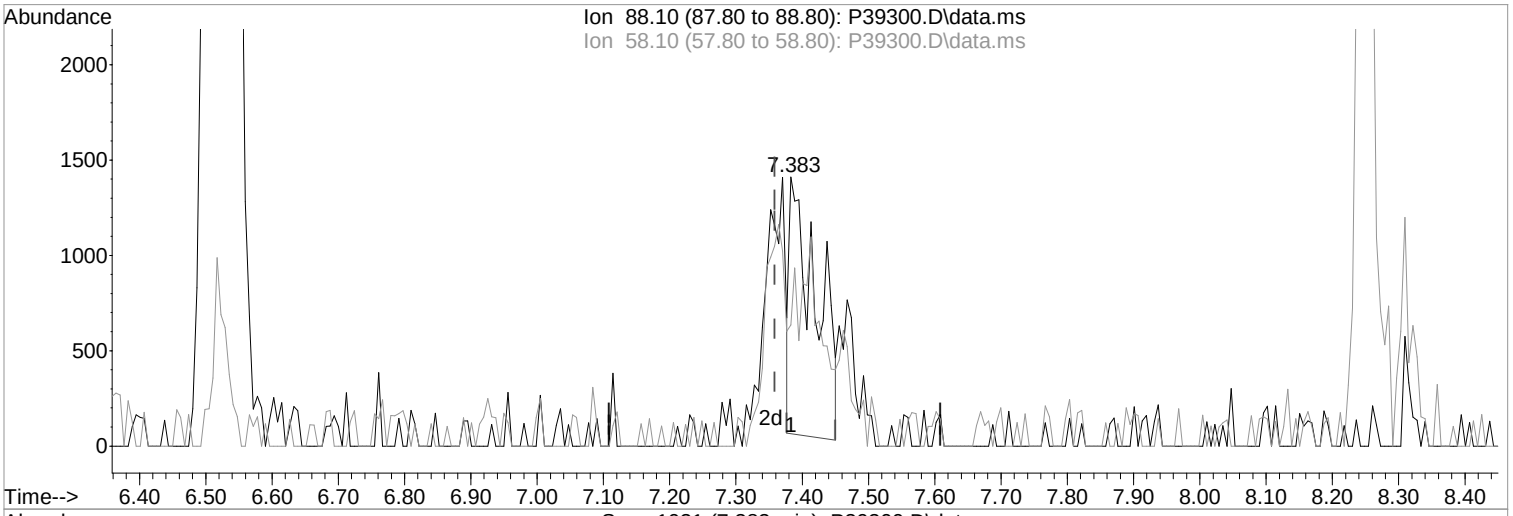
09/05/20

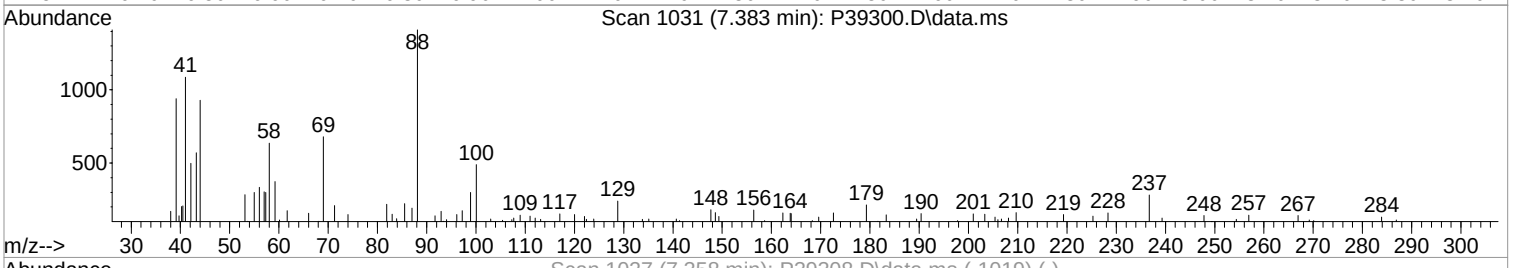
1st 09/05/20
2nd 09/05/20

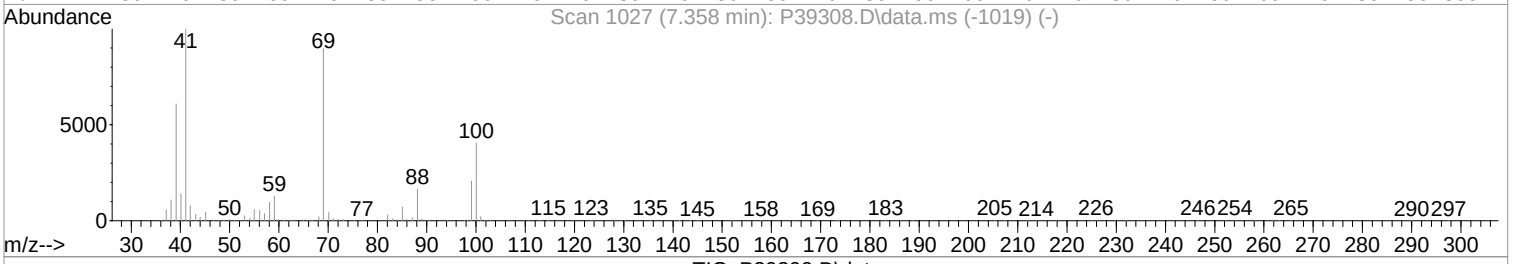
Quantitation Report (Qedit)

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

1st 09/05/20
2nd 09/05/20

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

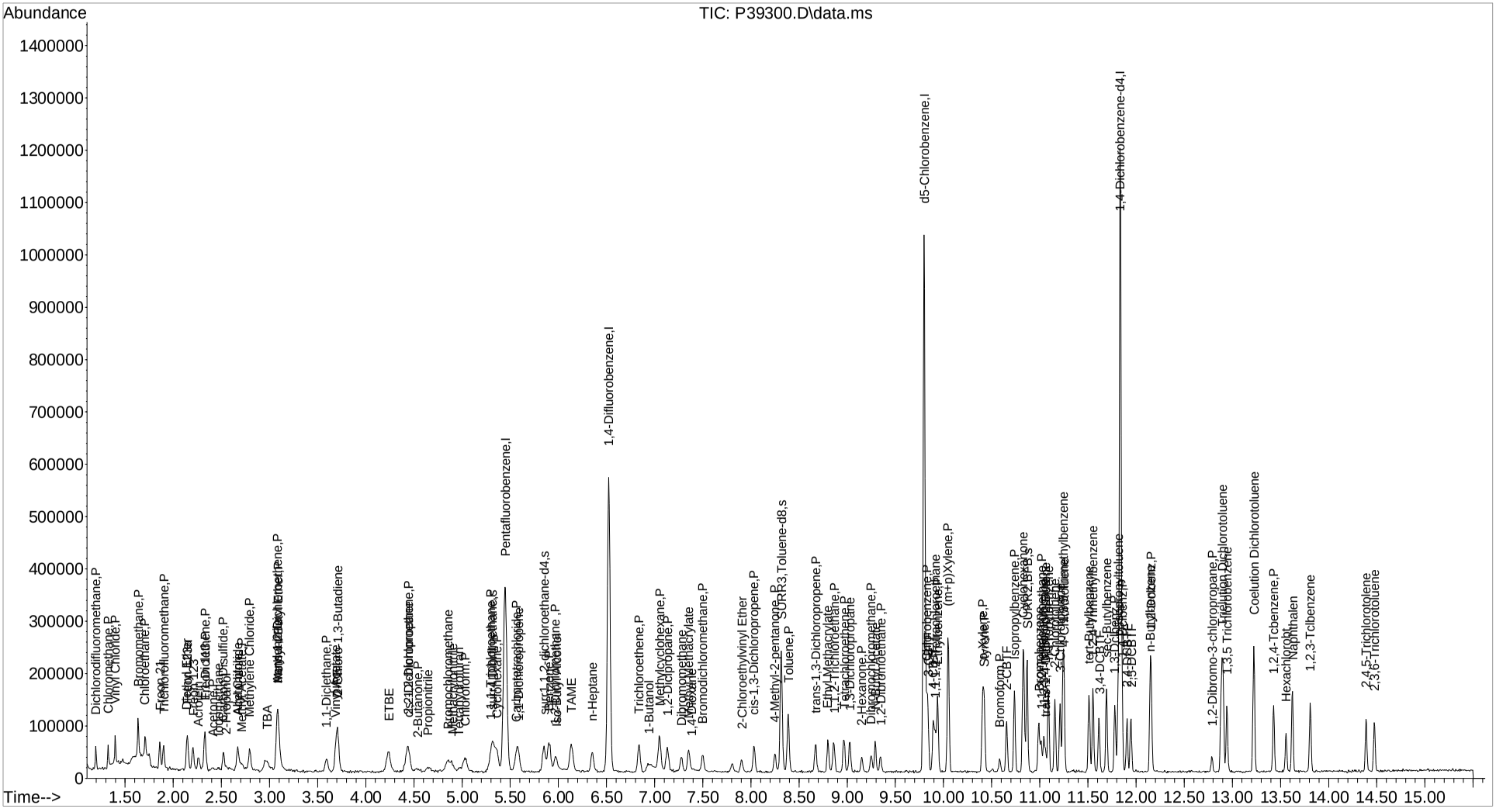
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

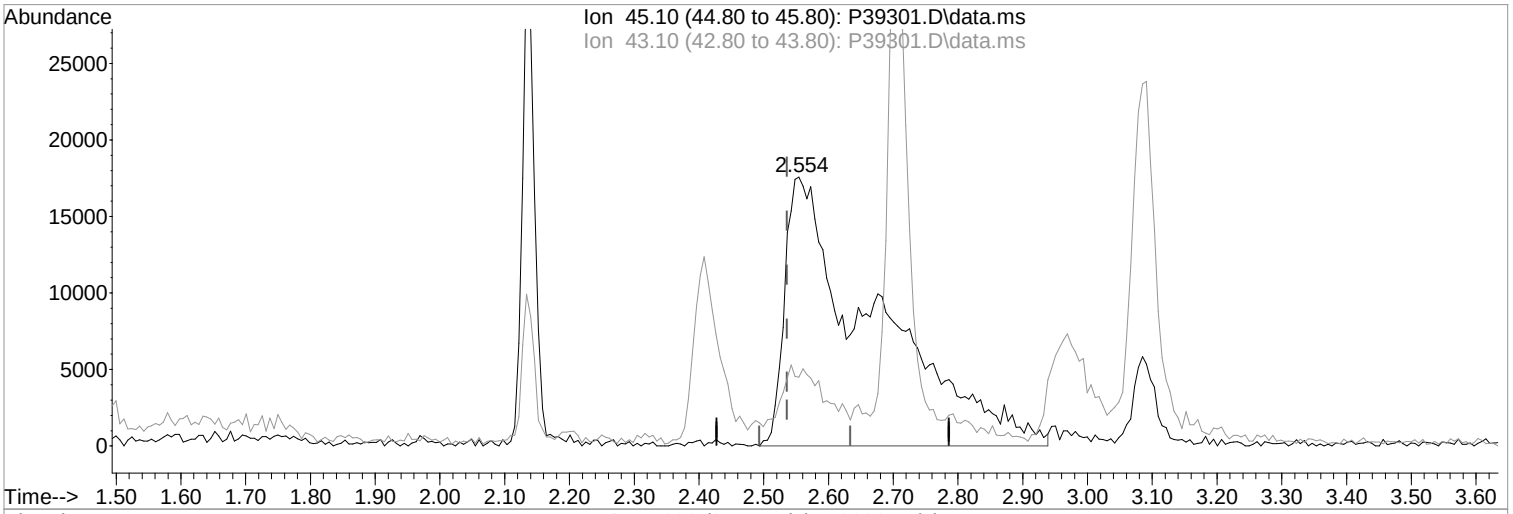


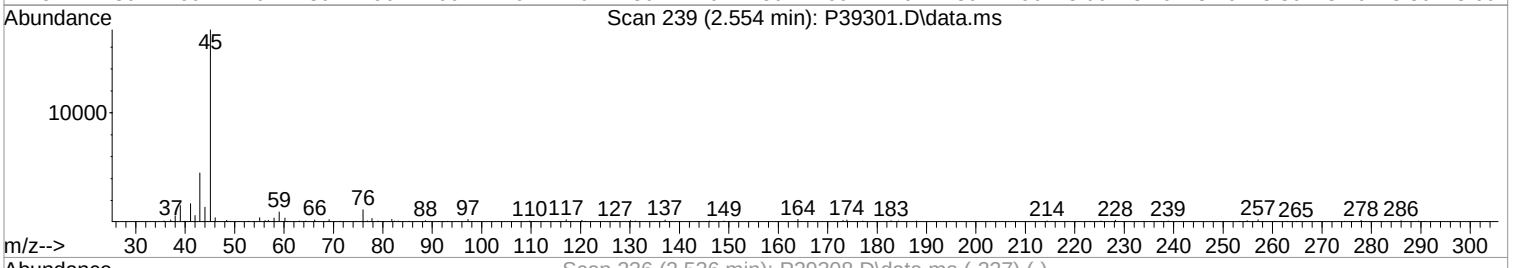
1st 09/05/20
2nd 09/05/20

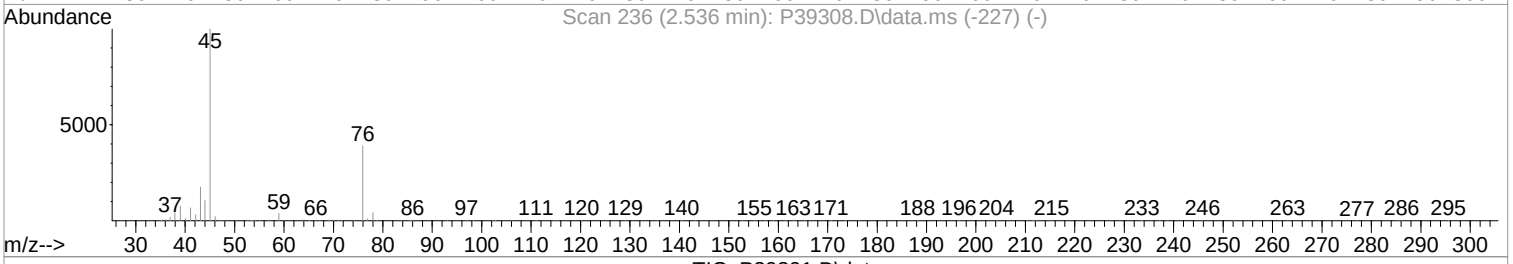
Quantitation Report (Qedit)

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

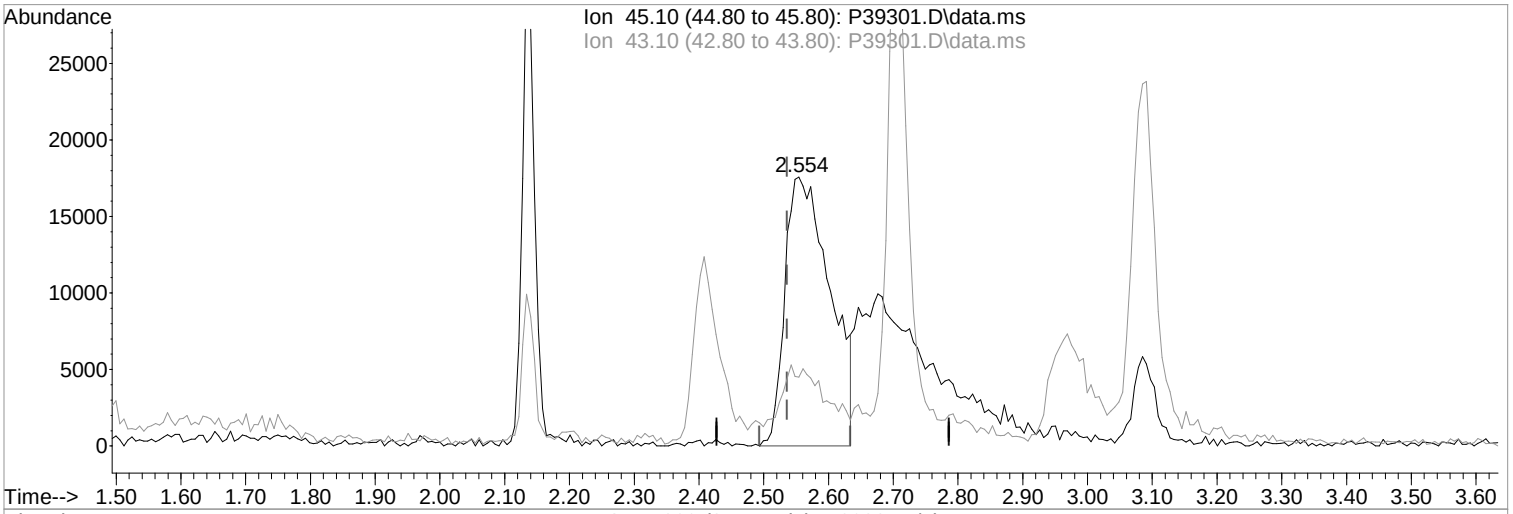
Poor integration.

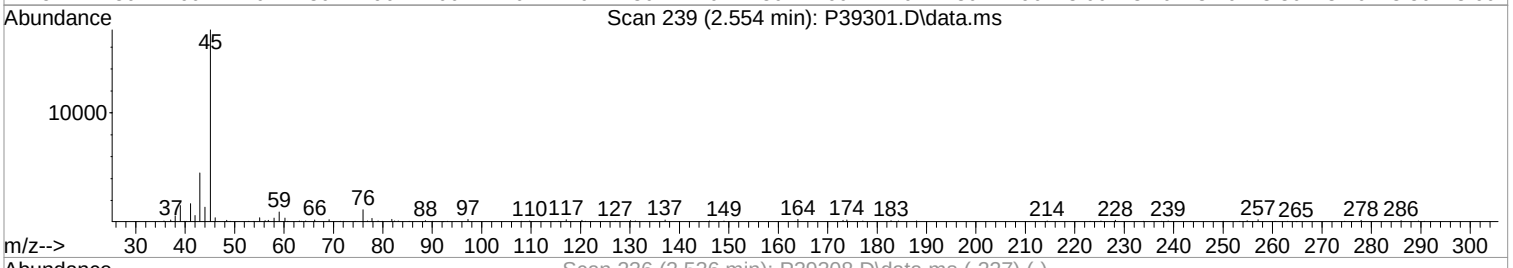
09/05/20

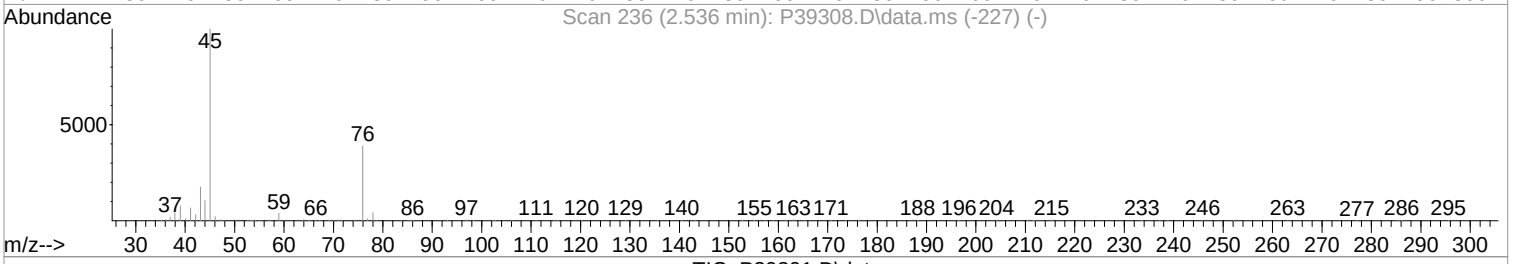
Quantitation Report (Qedit)

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:

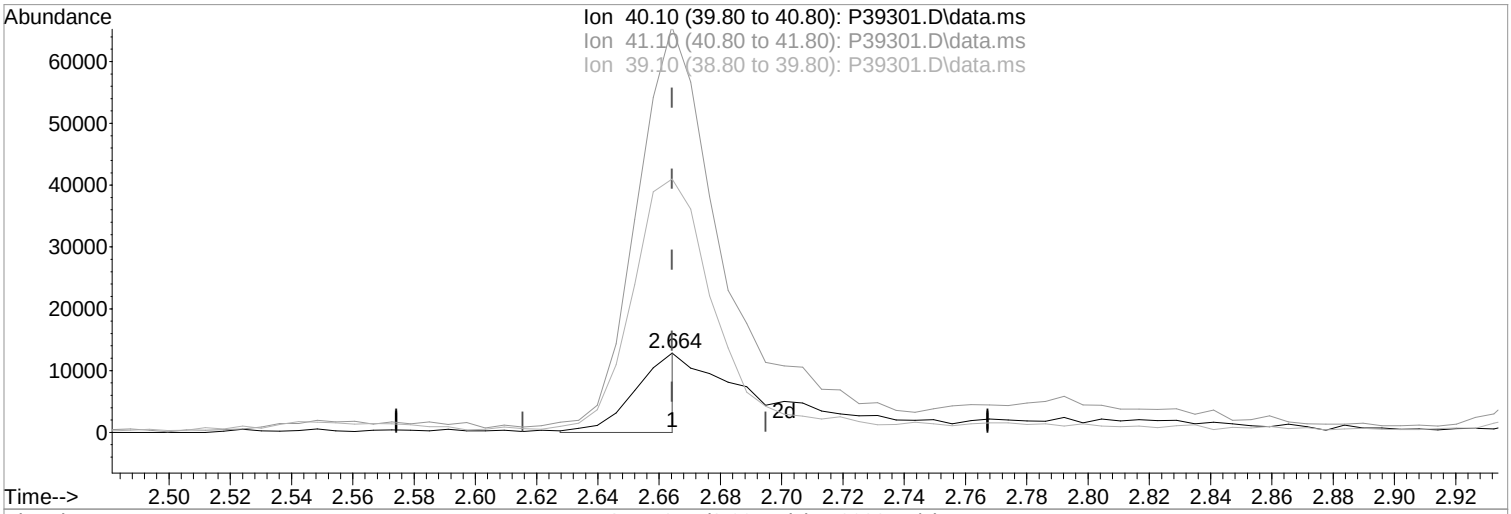
Before

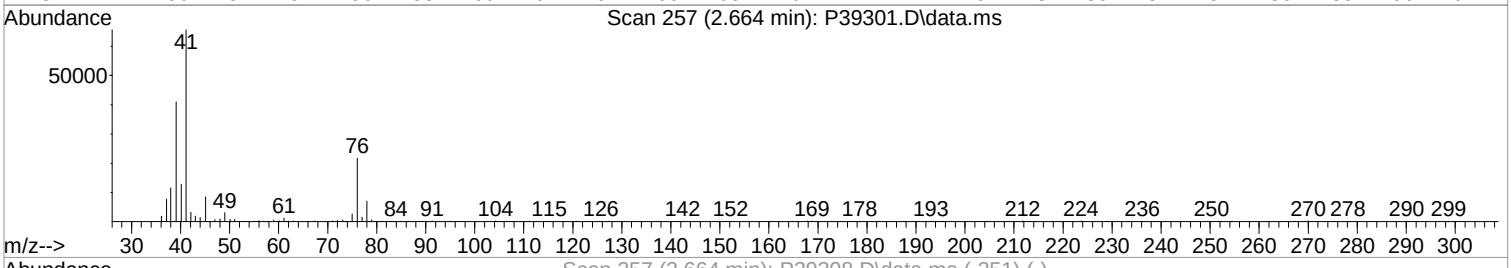
09/05/20

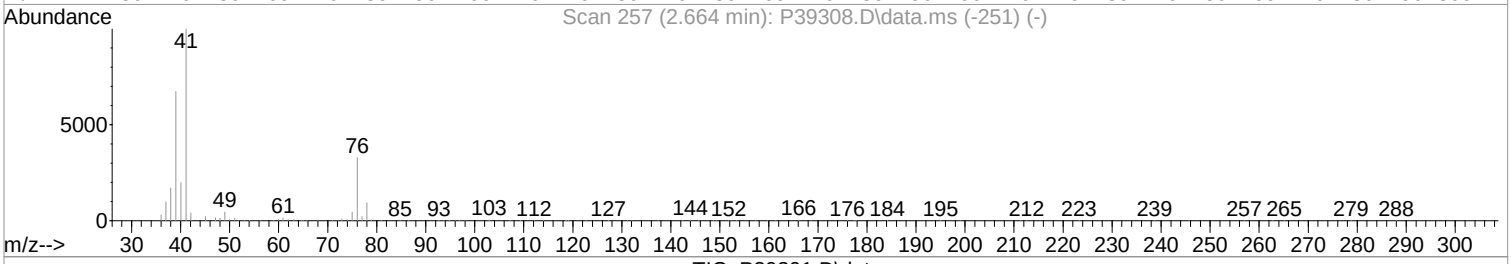
Quantitation Report (Qedit)

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

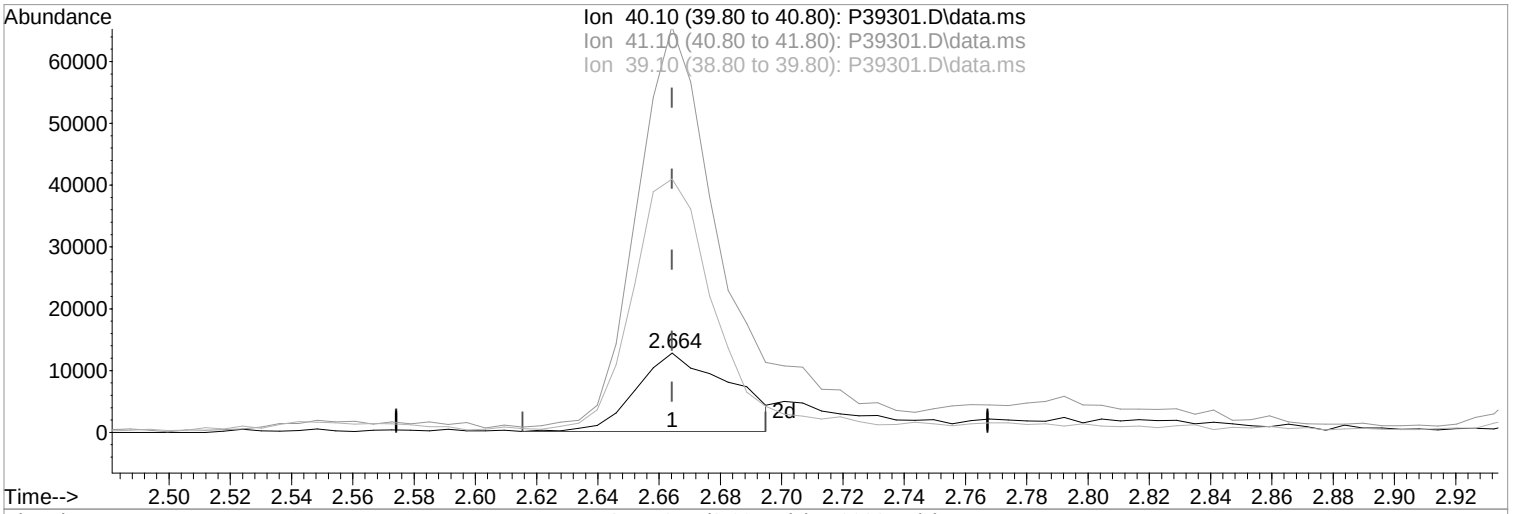
Poor integration.

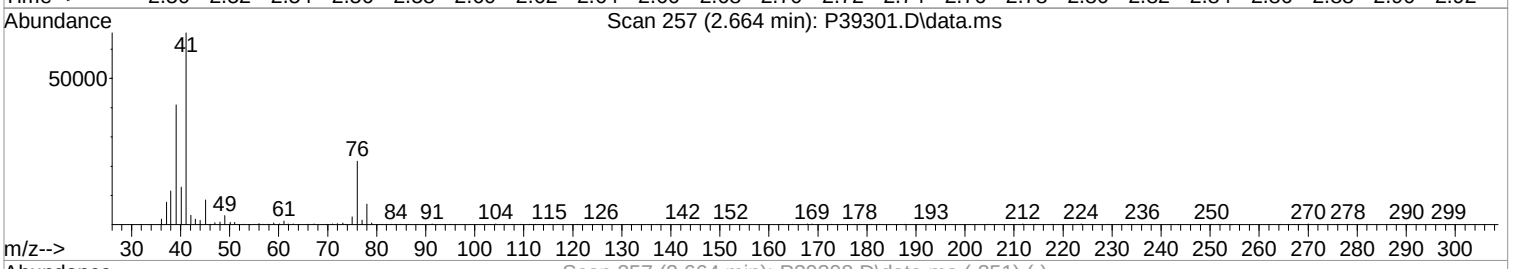
09/05/20

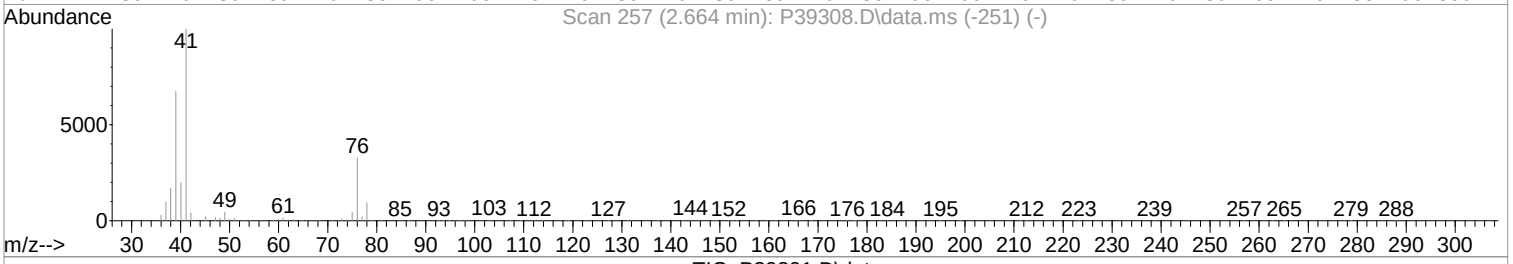
Quantitation Report (Qedit)

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:

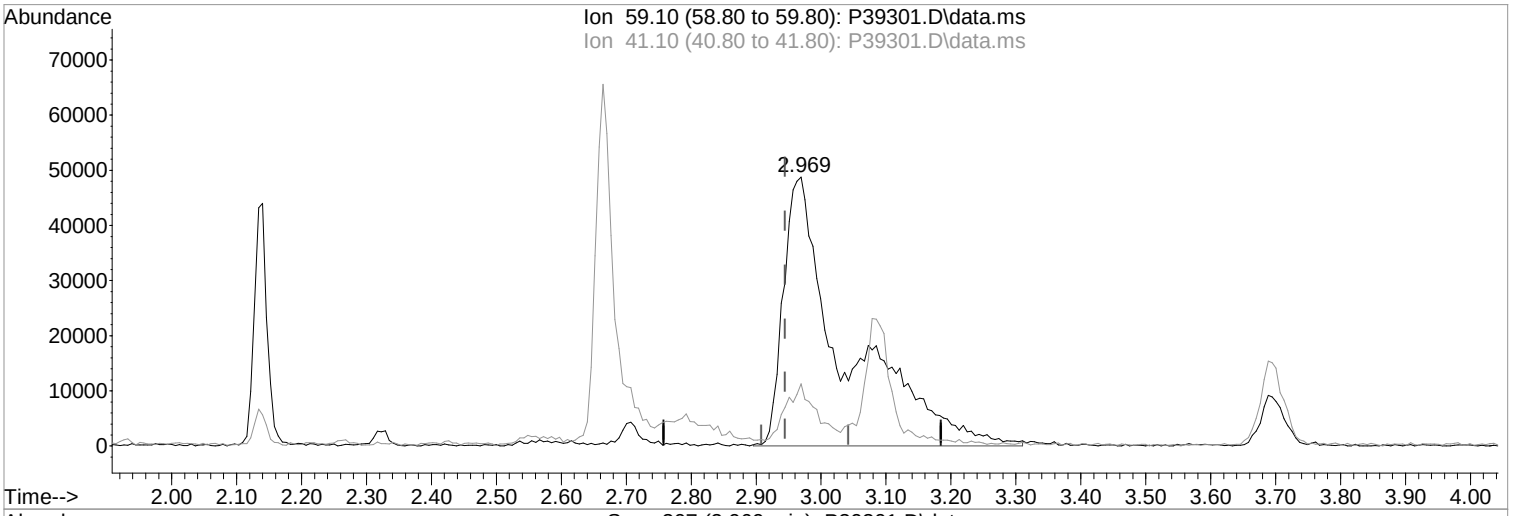
Before

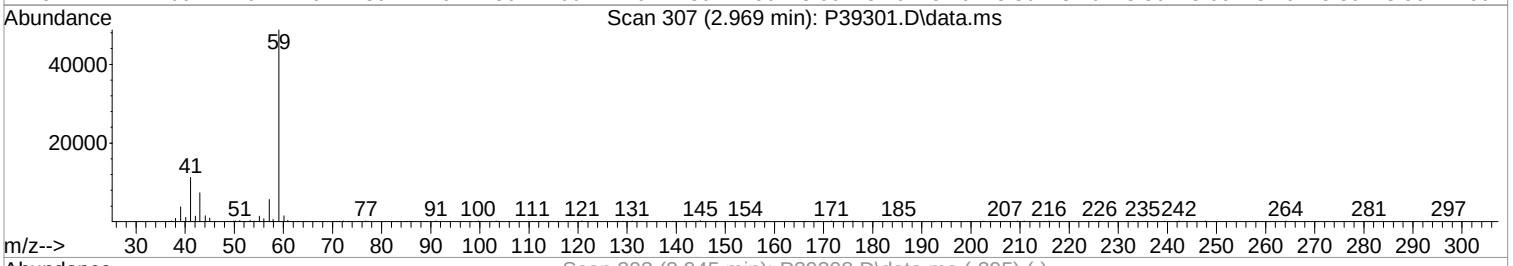
09/05/20

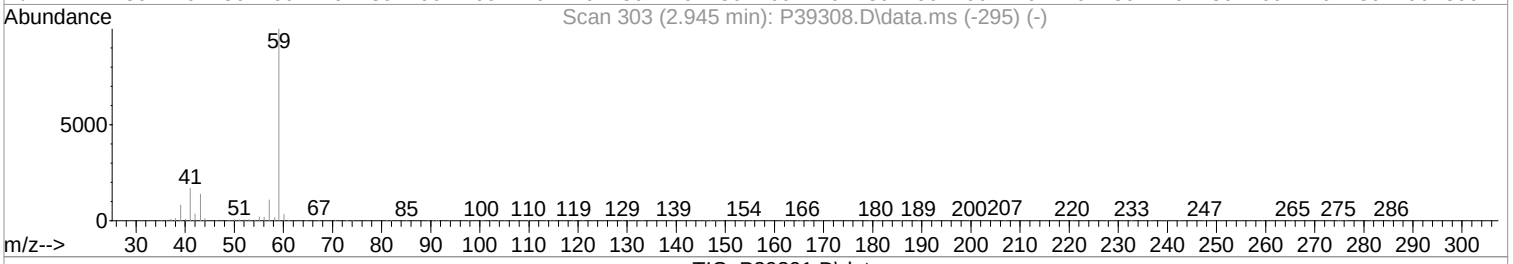
Quantitation Report (Qedit)

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

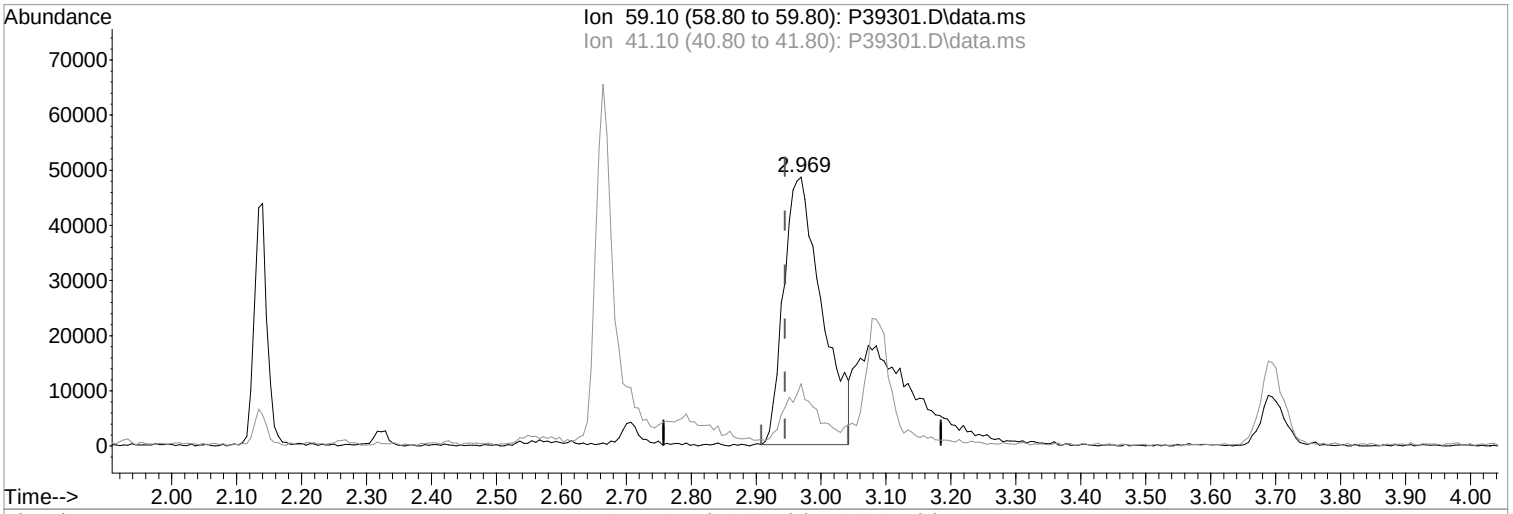
Poor integration.

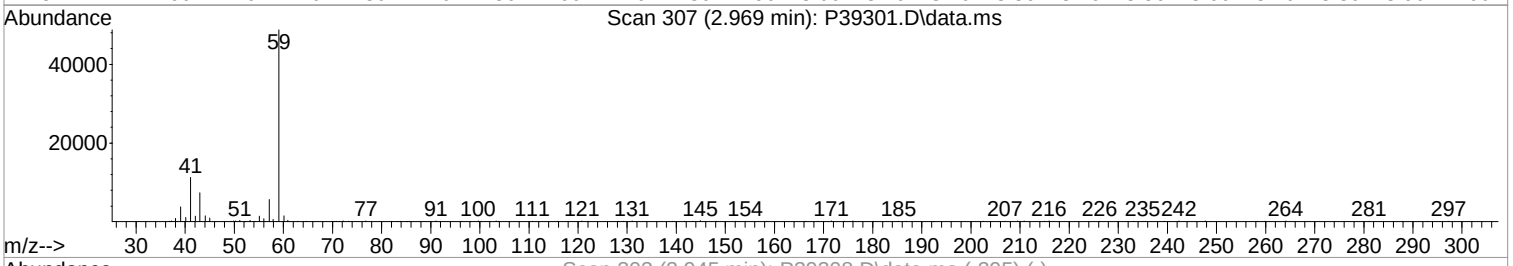
09/05/20

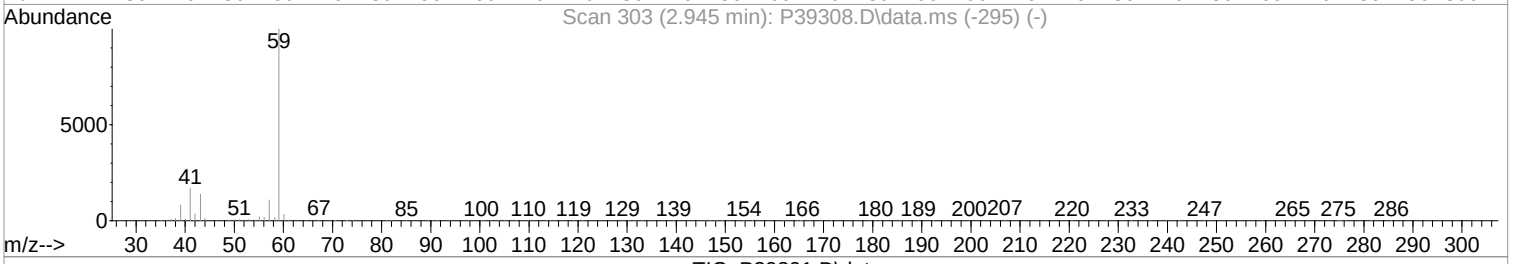
Quantitation Report (Qedit)

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

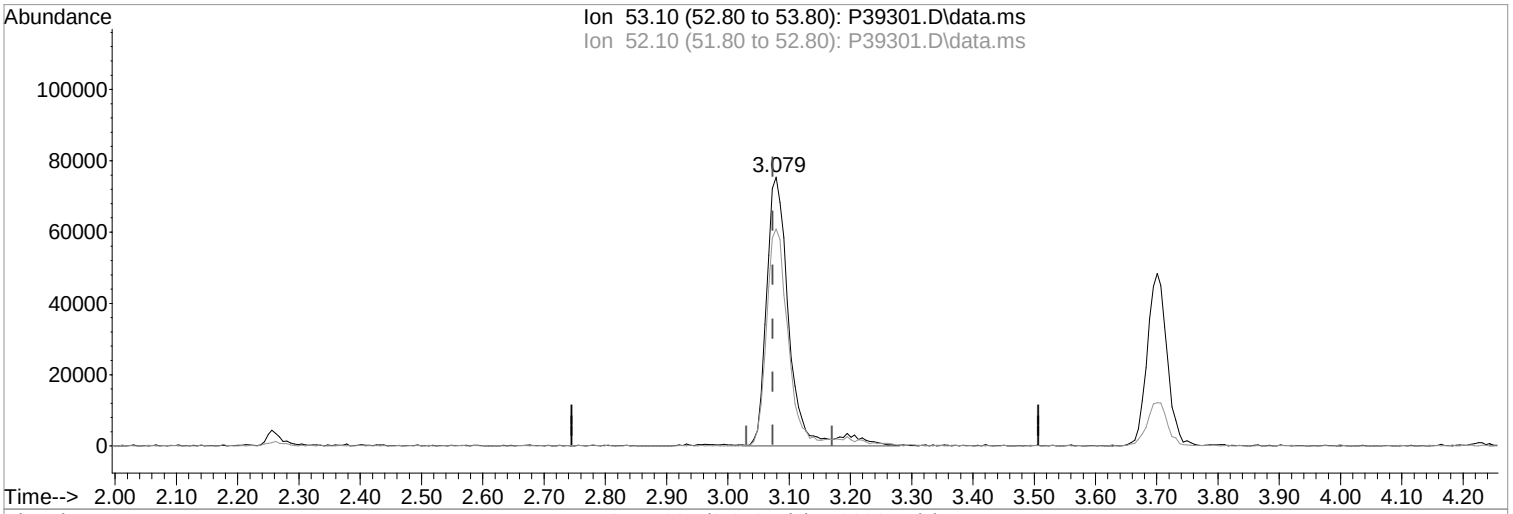
09/05/20

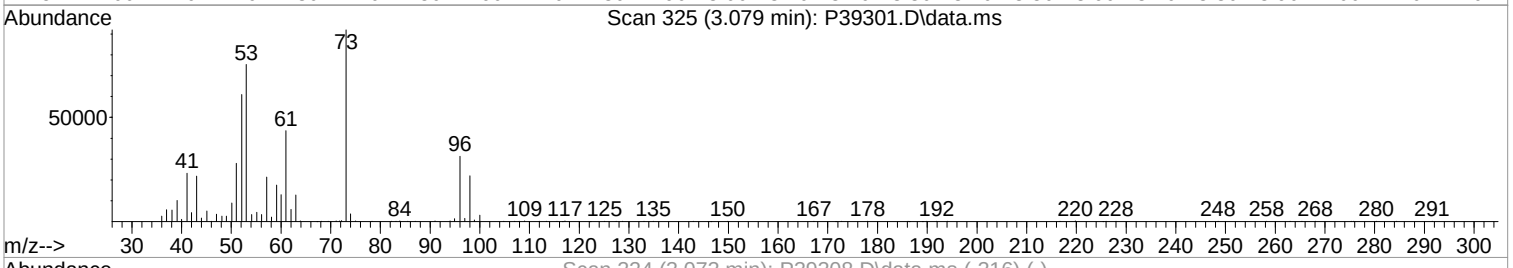
1st 09/05/20
2nd 09/05/20

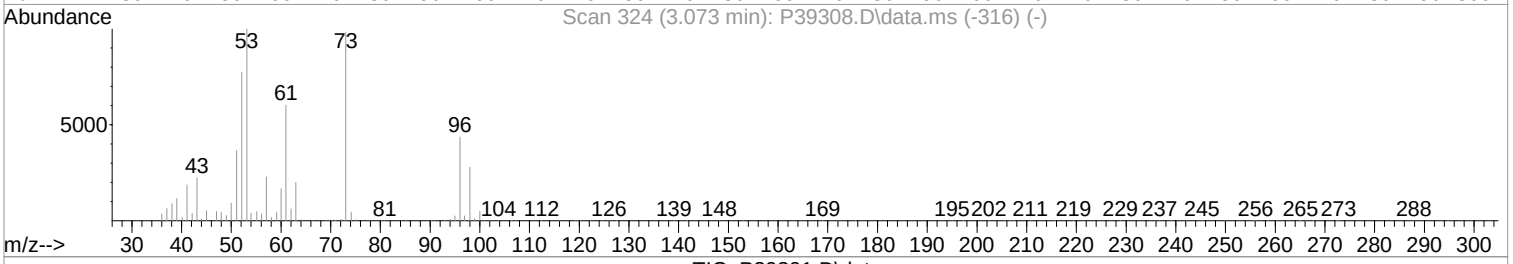
Quantitation Report (Qedit)

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

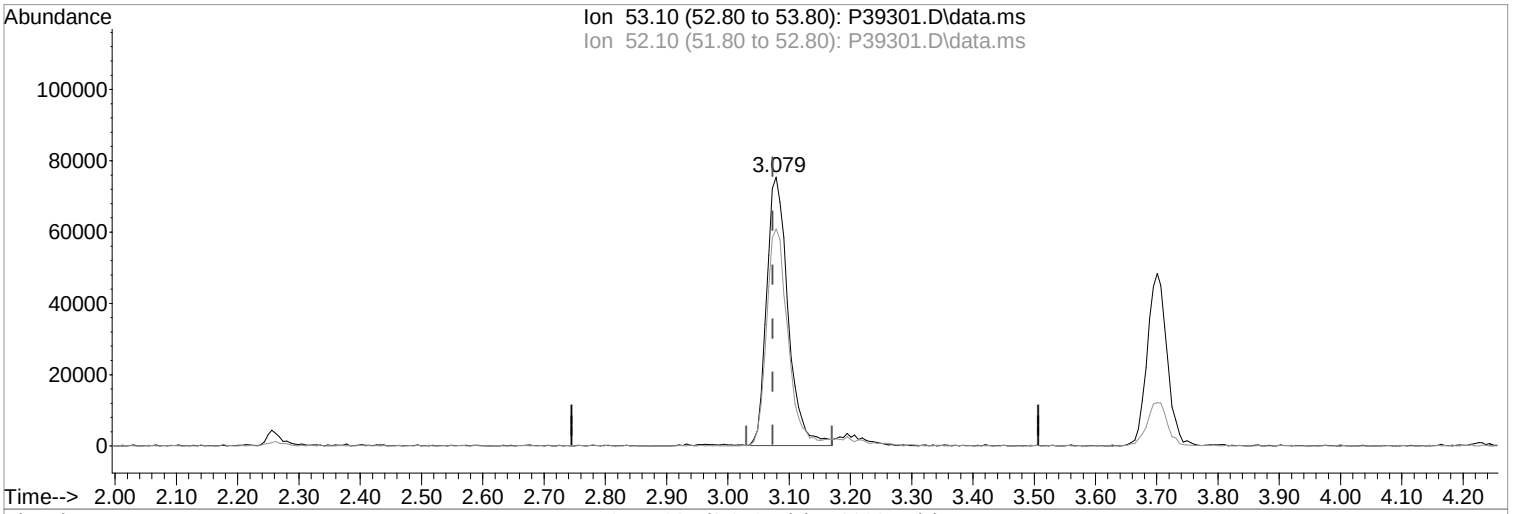
Poor integration.

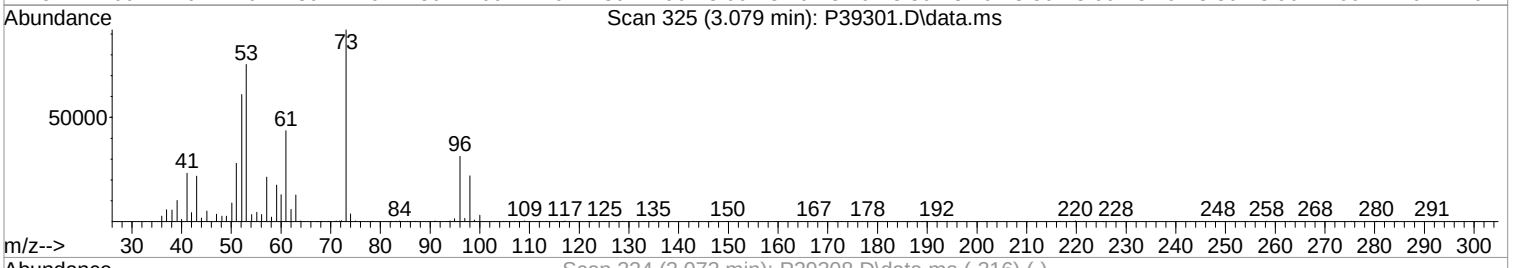
09/05/20

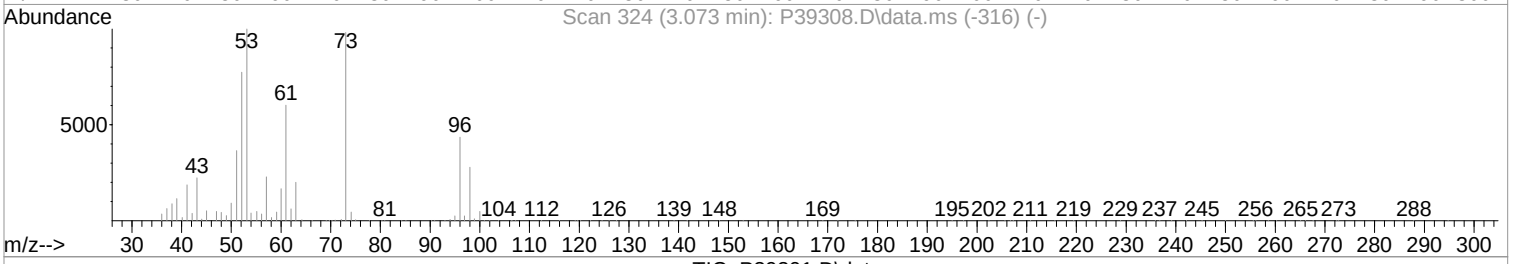
Quantitation Report (Qedit)

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:

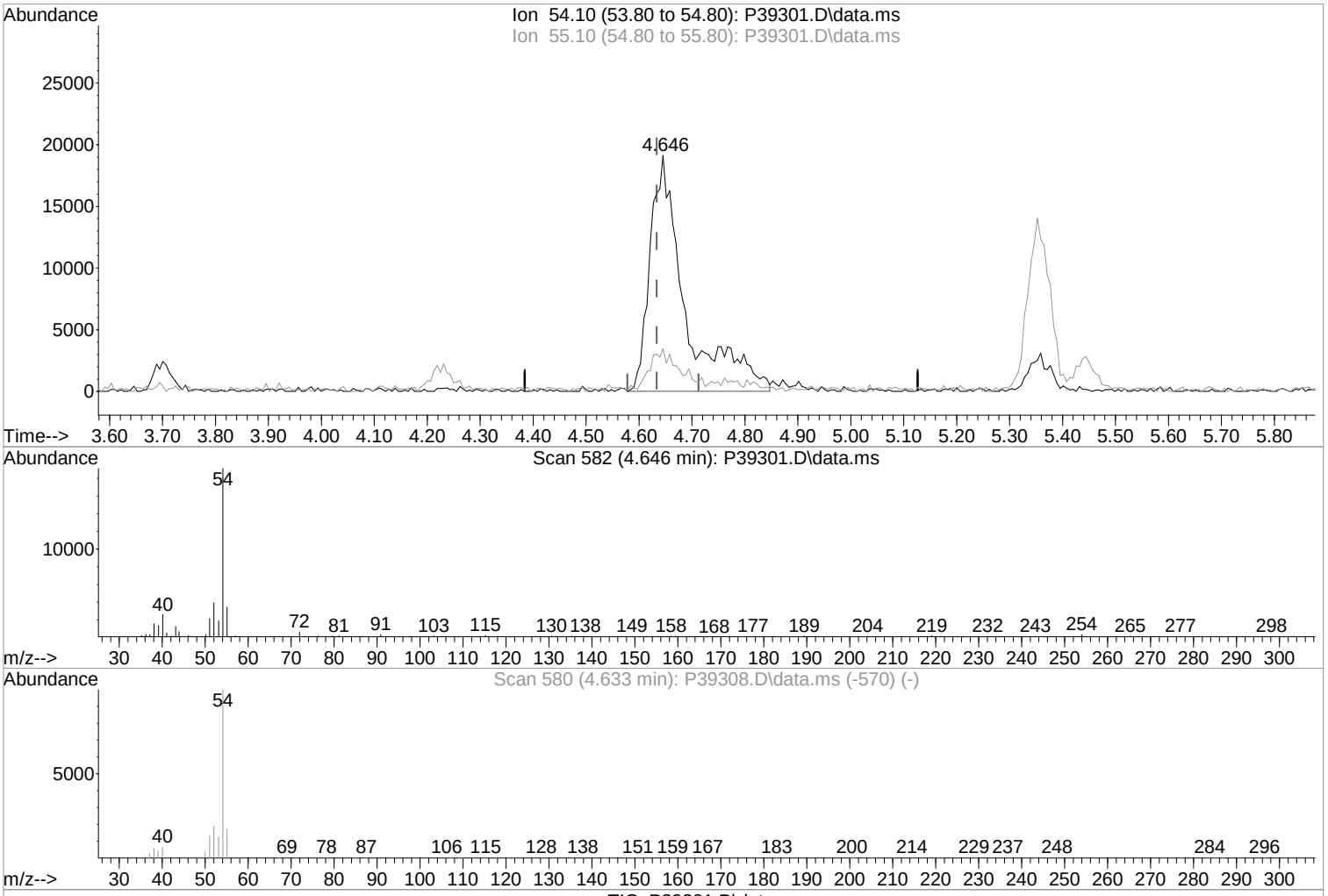
Before

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.

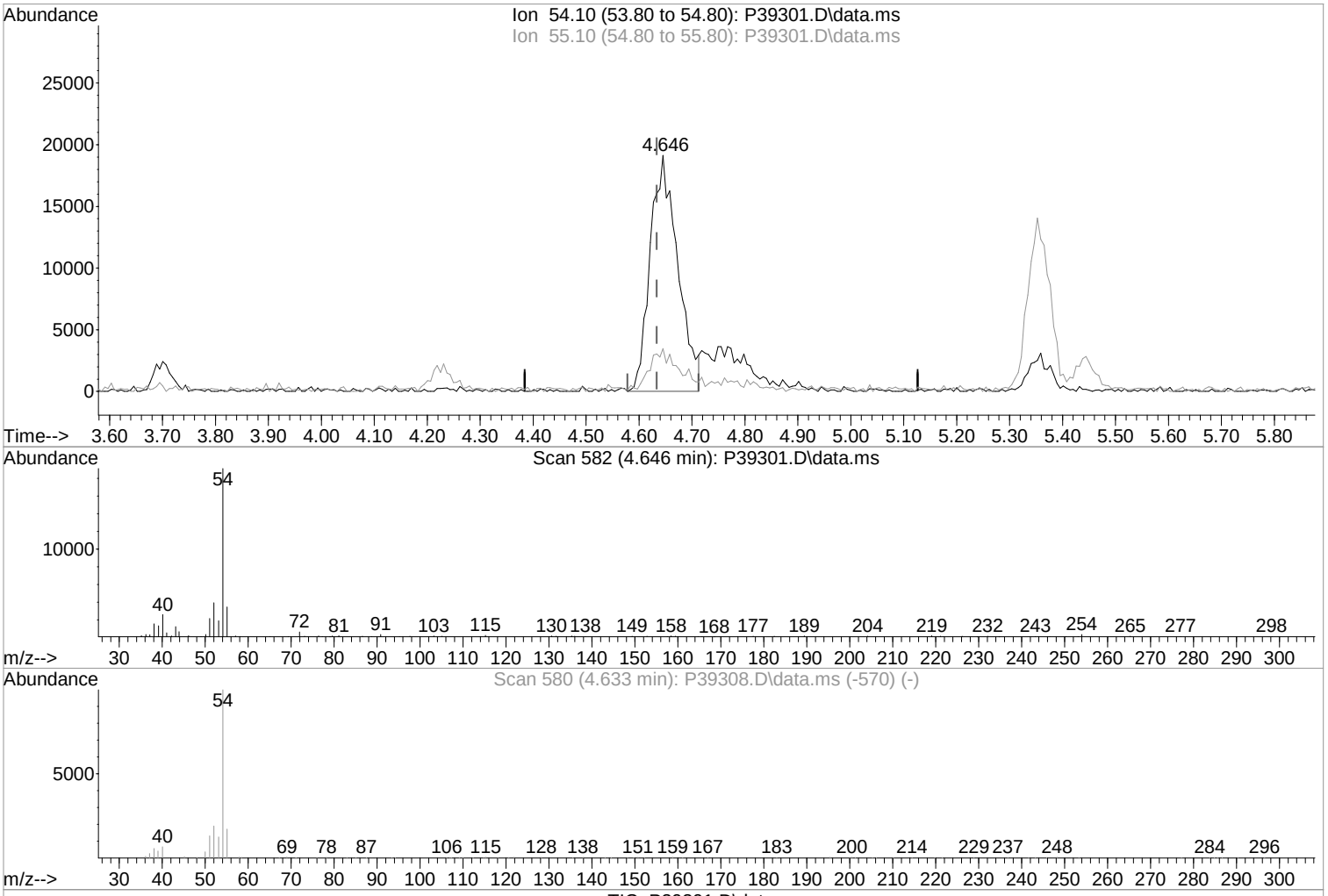
09/05/20

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

(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:

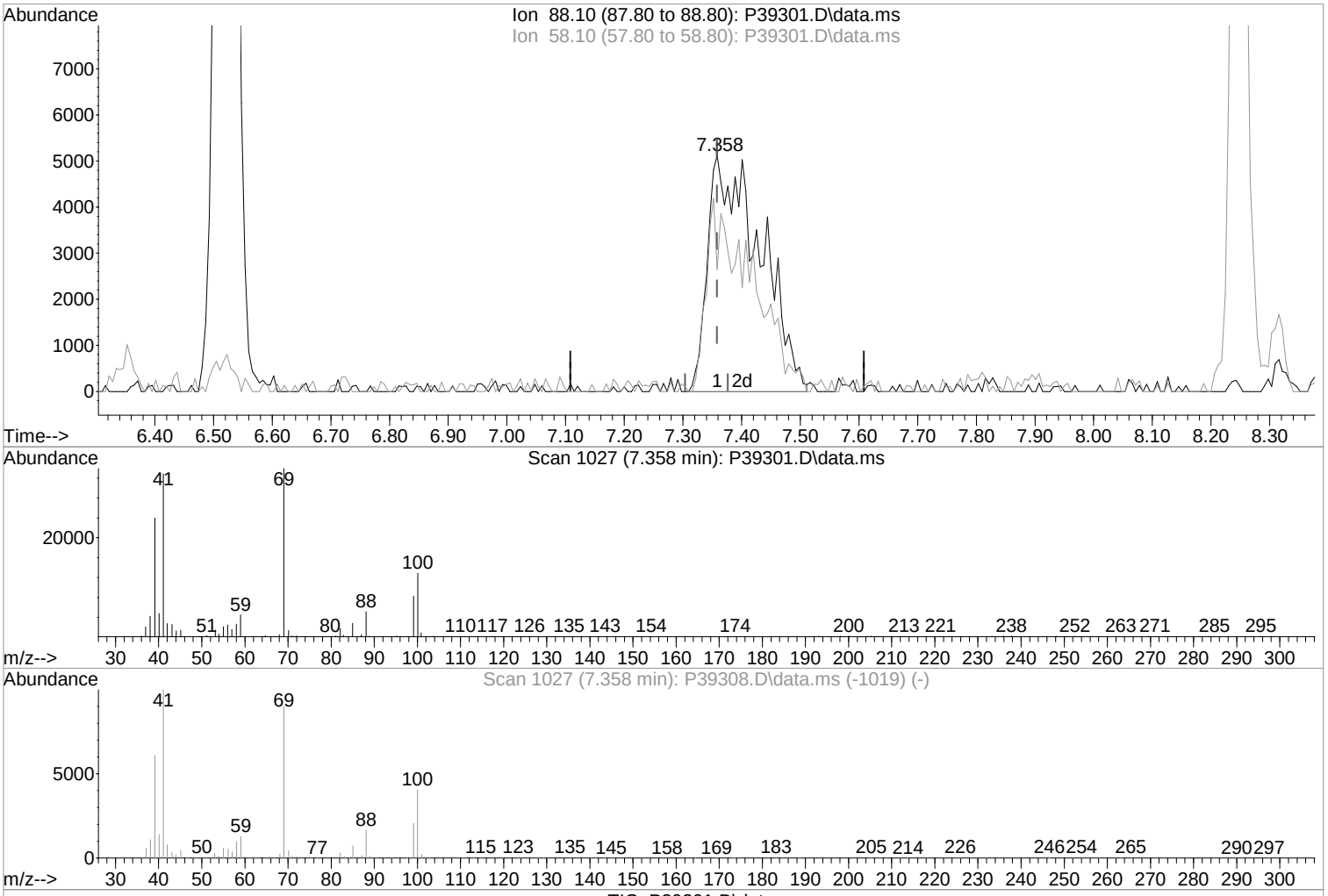
Before

09/05/20

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

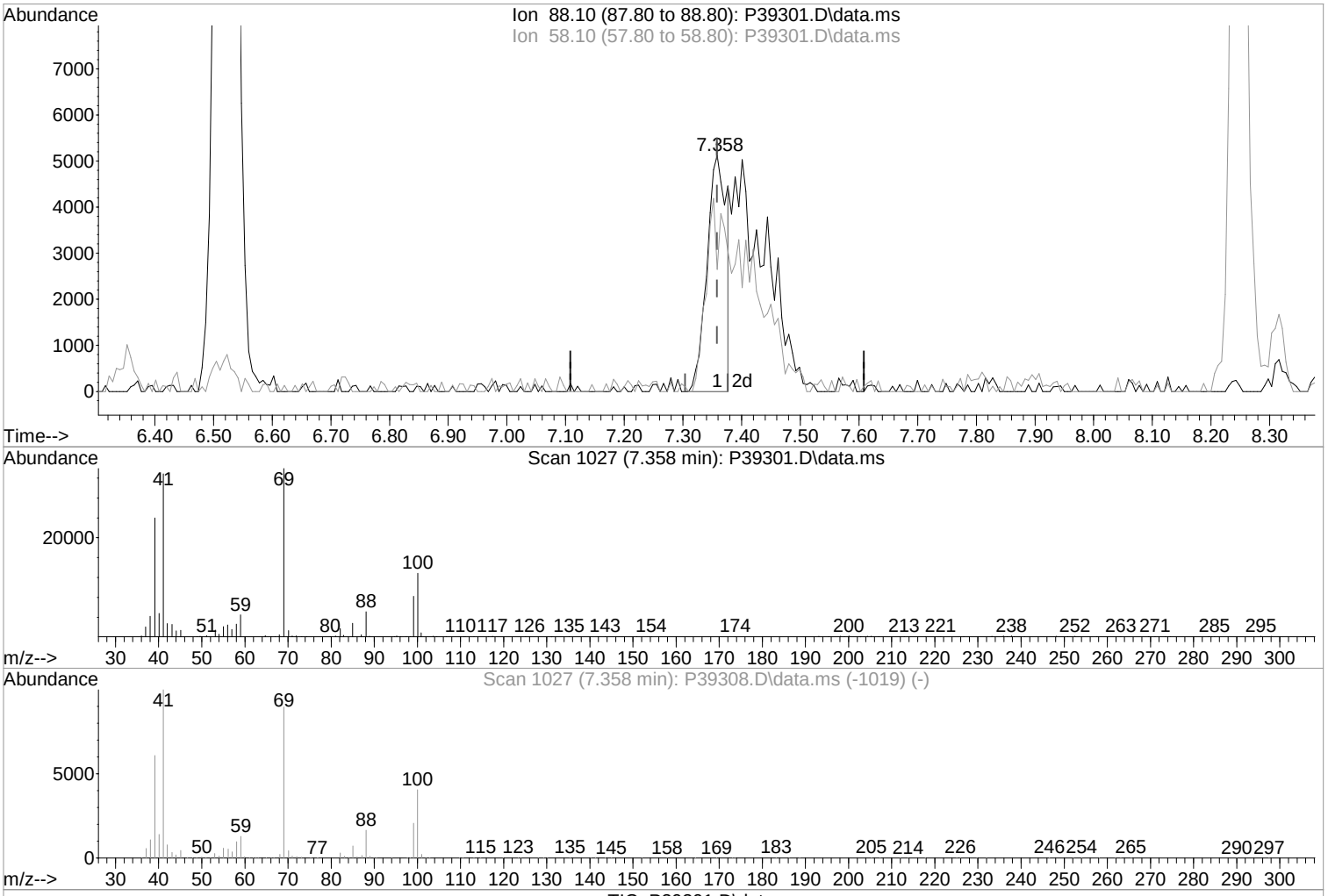
Split Peak

09/05/20

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

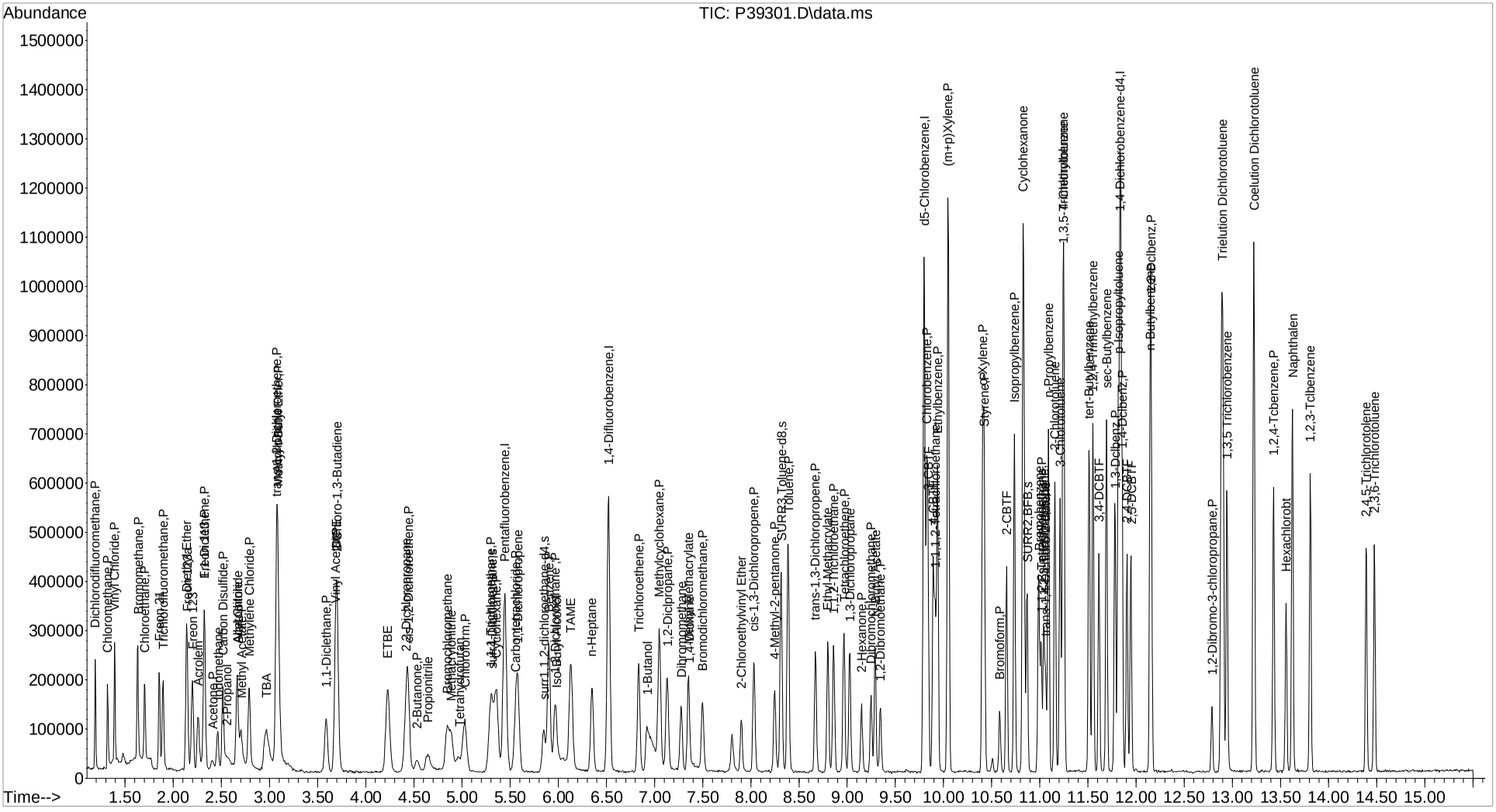
(#) = qualifier out of range (m) = manual integration (+) = signals summed

09/05/20 1st
09/05/20 2nd

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

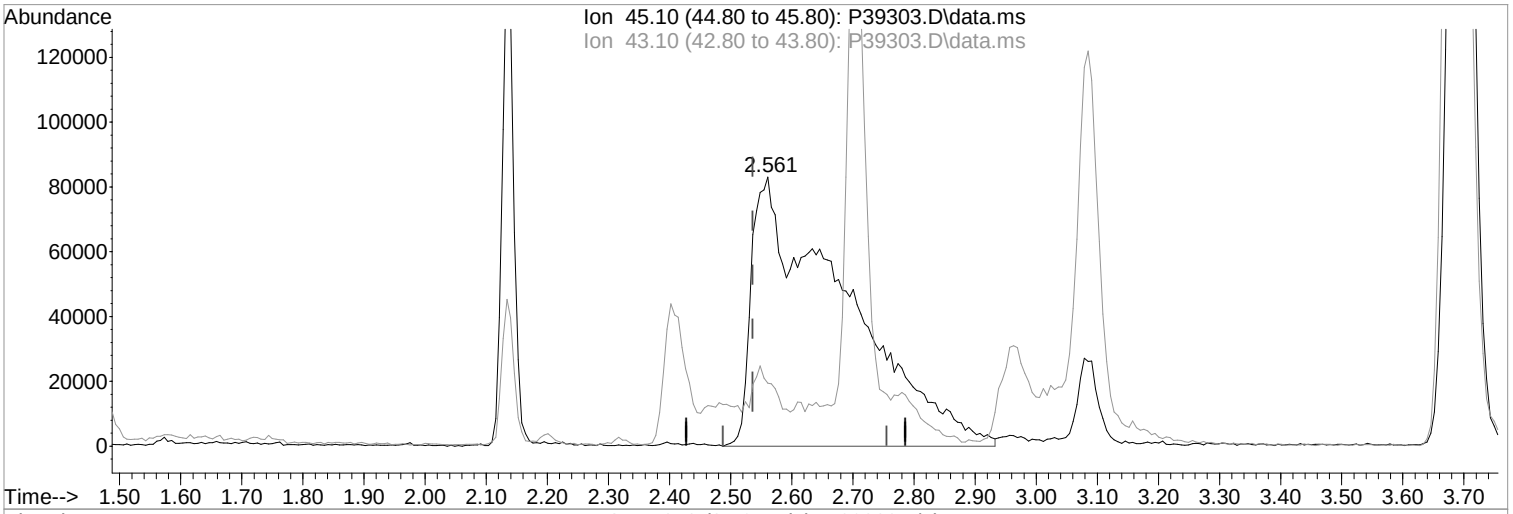
Quant Time: Sep 05 09:01:19 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

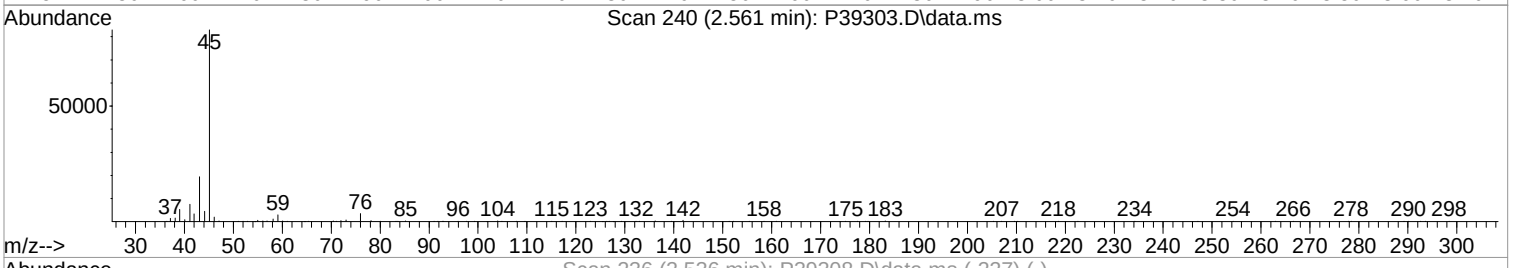


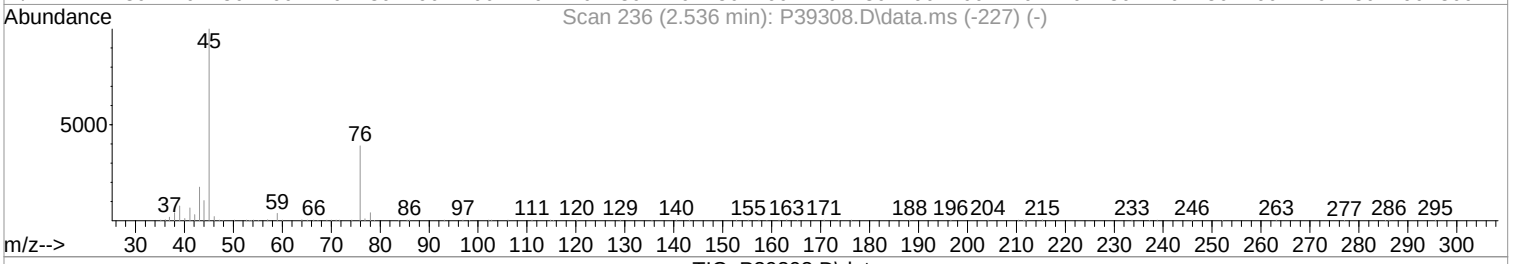
Quantitation Report (Qedit)

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

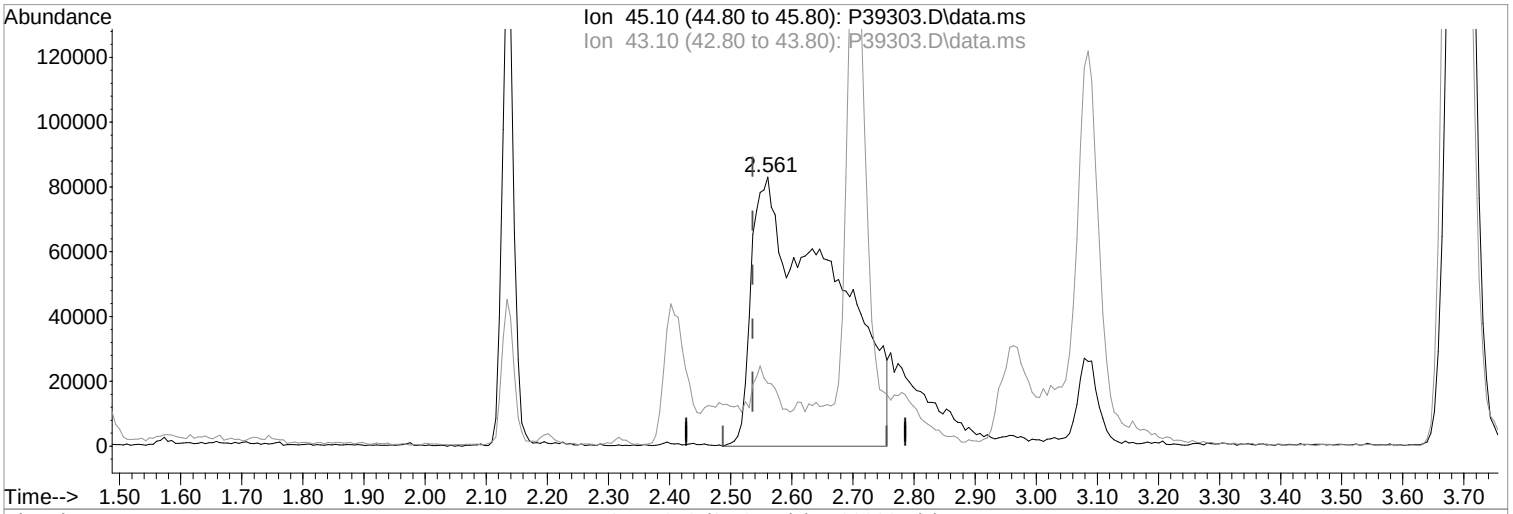
Poor integration.

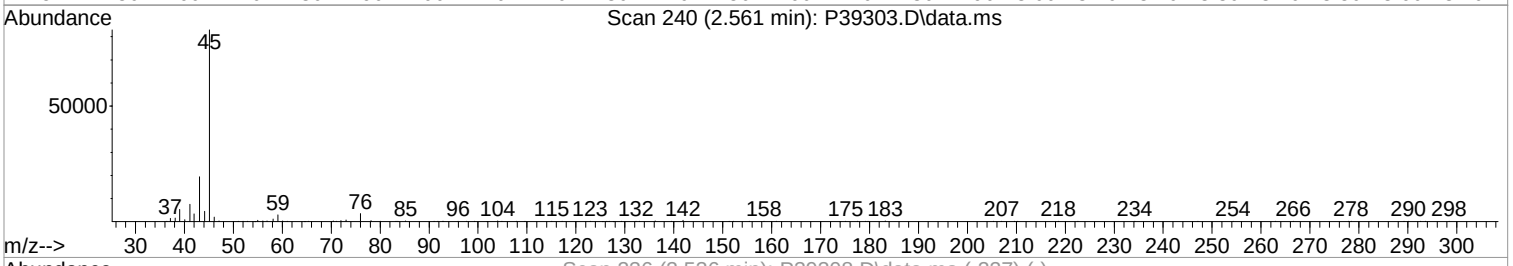
09/05/20

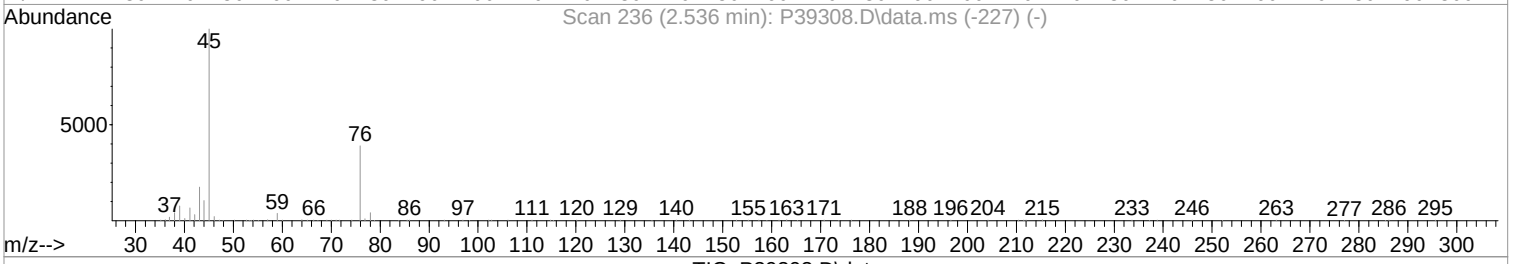
Quantitation Report (Qedit)

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

(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:

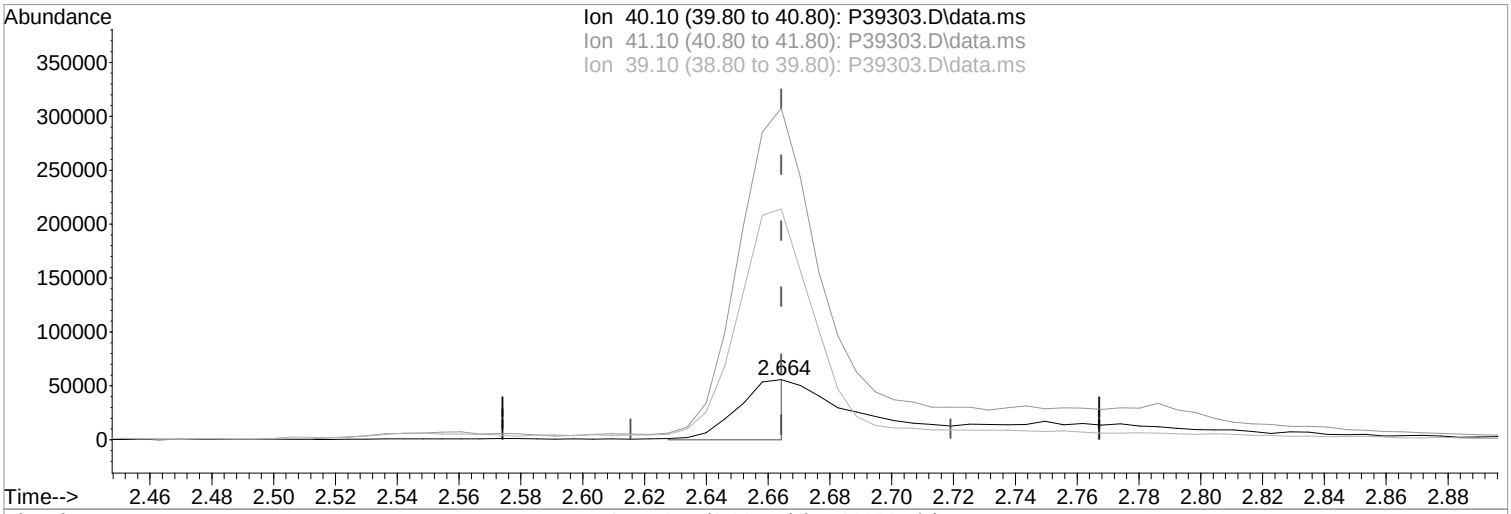
Before

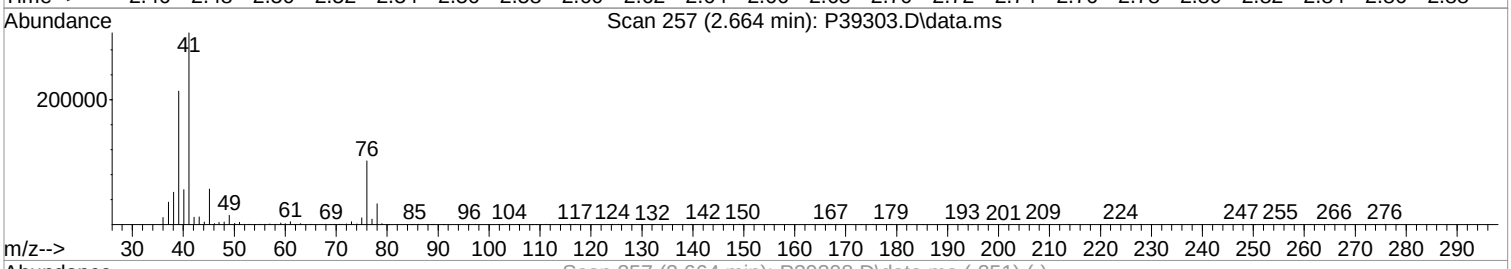
09/05/20

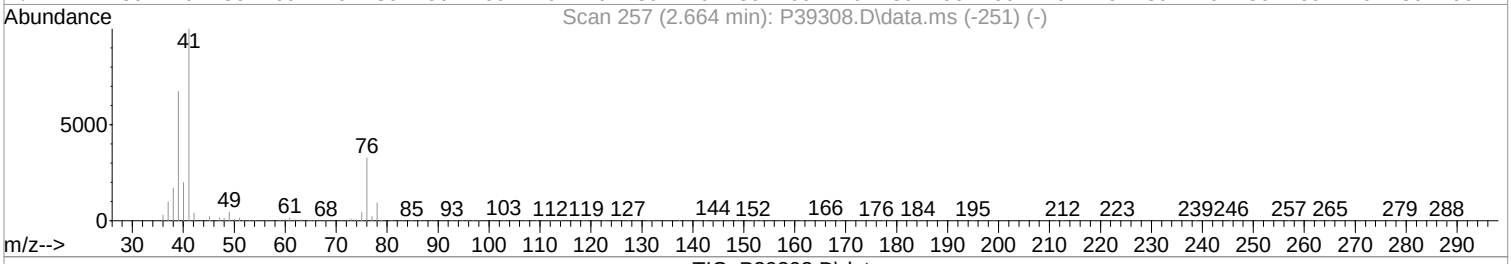
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\090420\
Data File : P39303.D
Acq On : 4 Sep 2020 2:24 pm
Operator : K.Ruest
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

(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

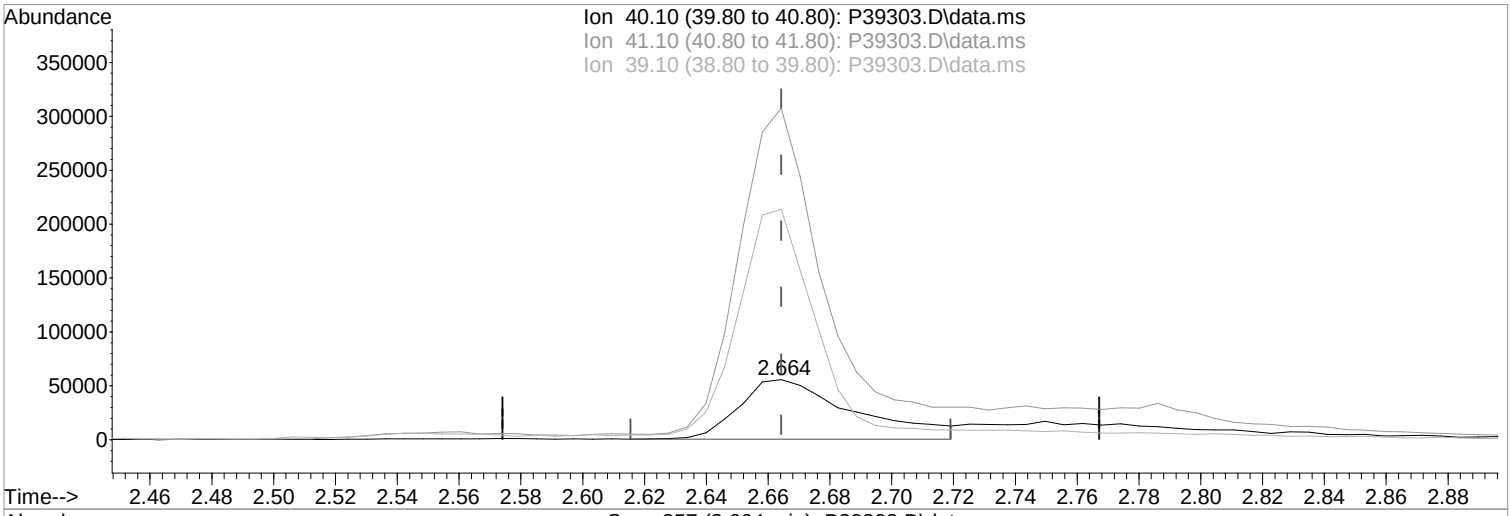
Poor integration.

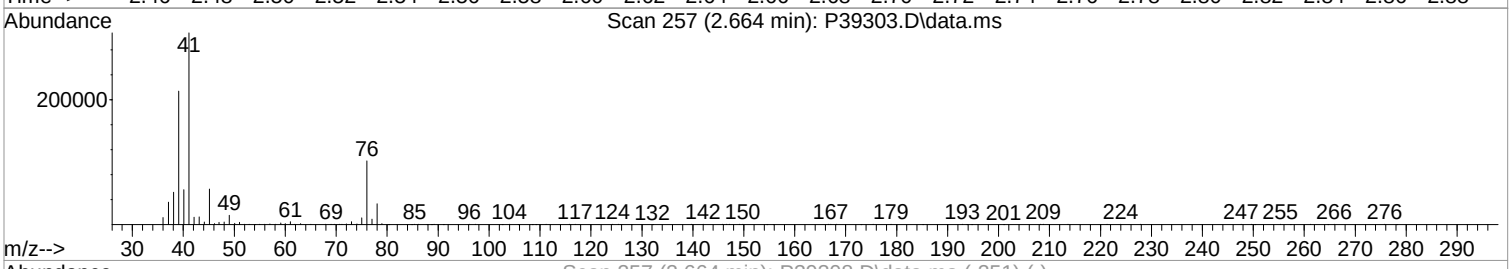
09/05/20

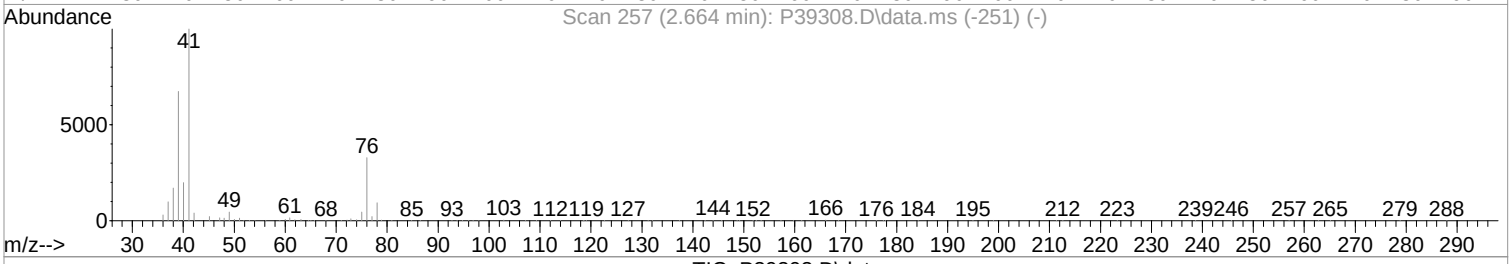
Quantitation Report (Qedit)

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

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

(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:

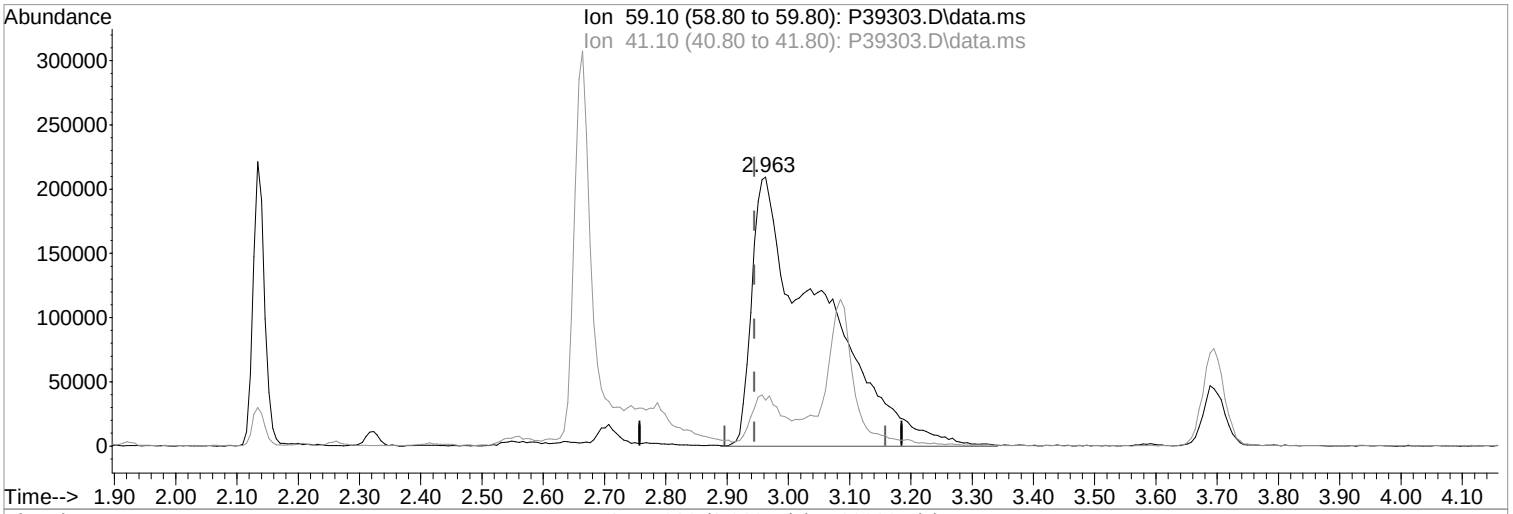
Before

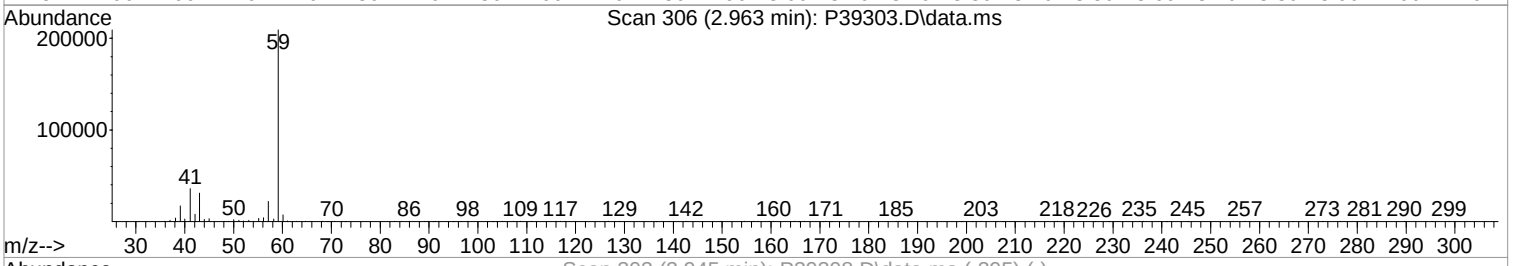
09/05/20

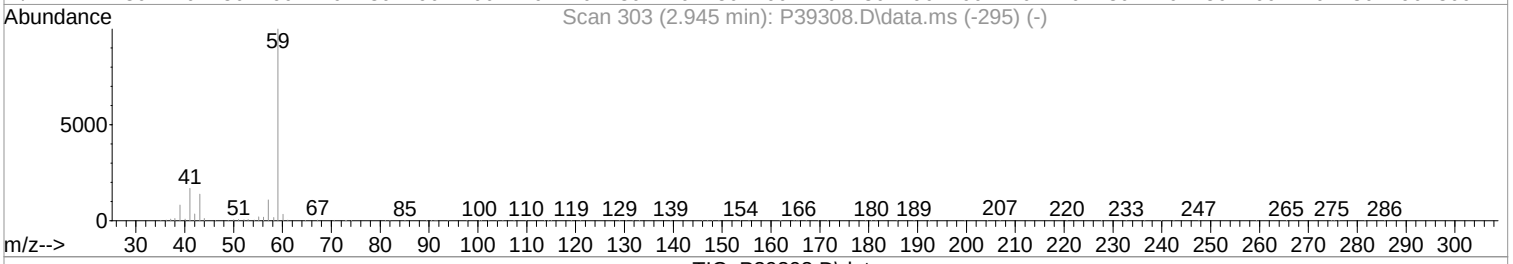
Quantitation Report (Qedit)

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

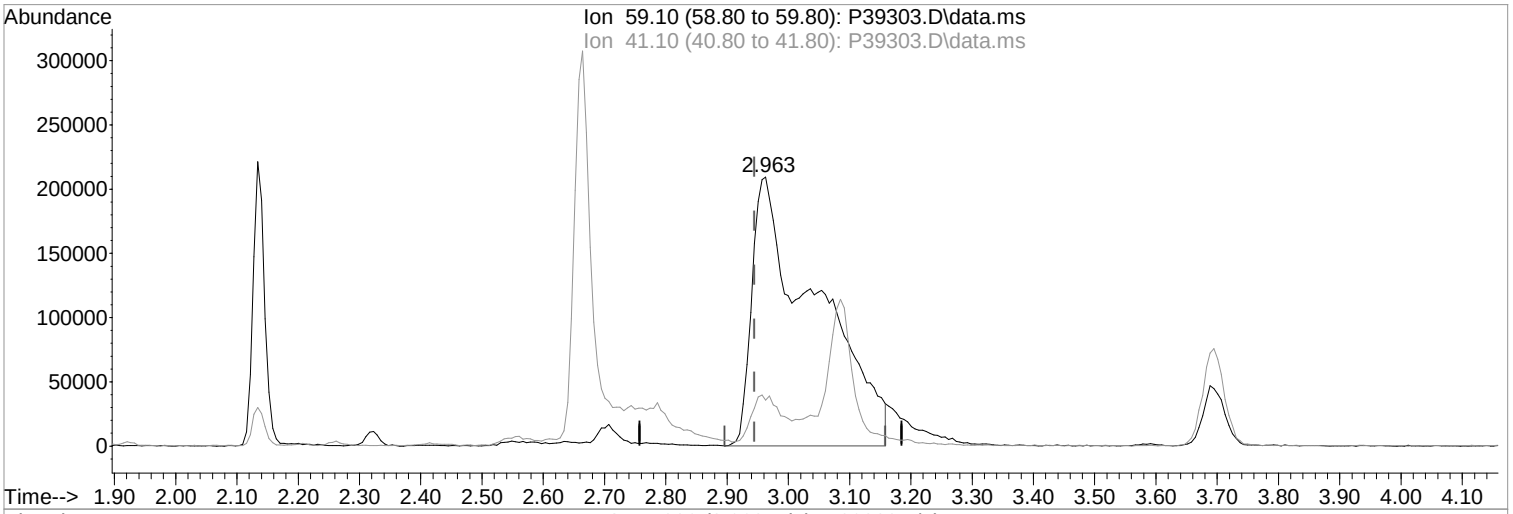
Poor integration.

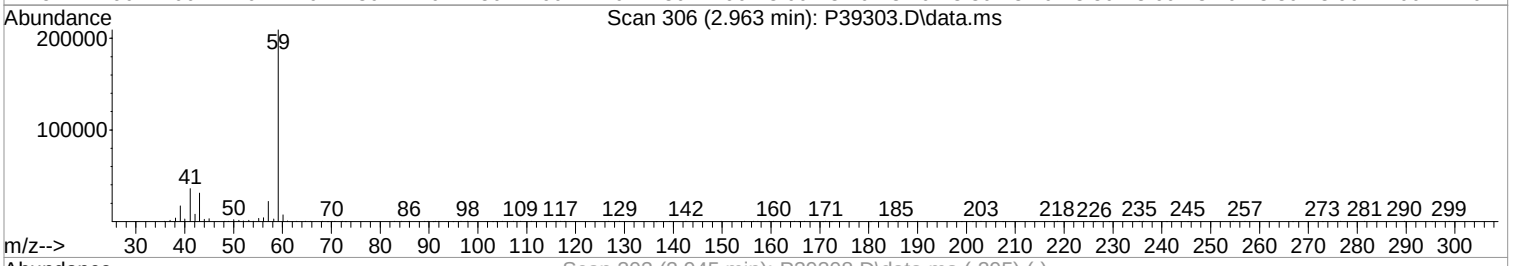
09/05/20

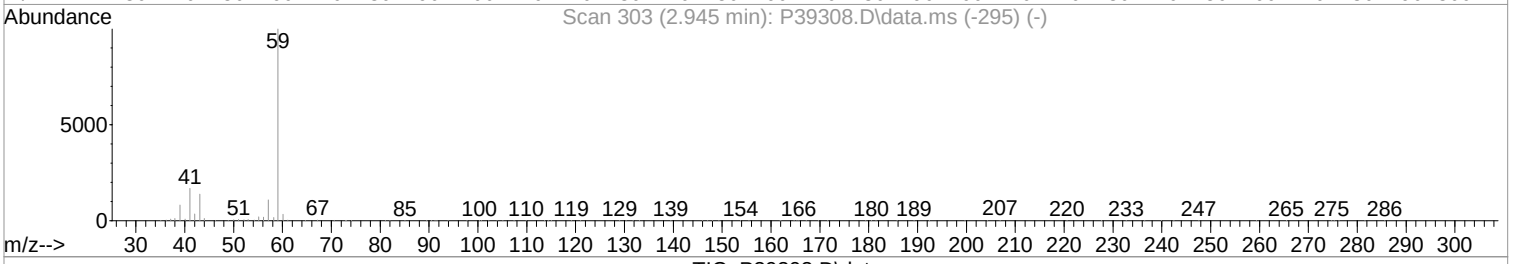
Quantitation Report (Qedit)

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

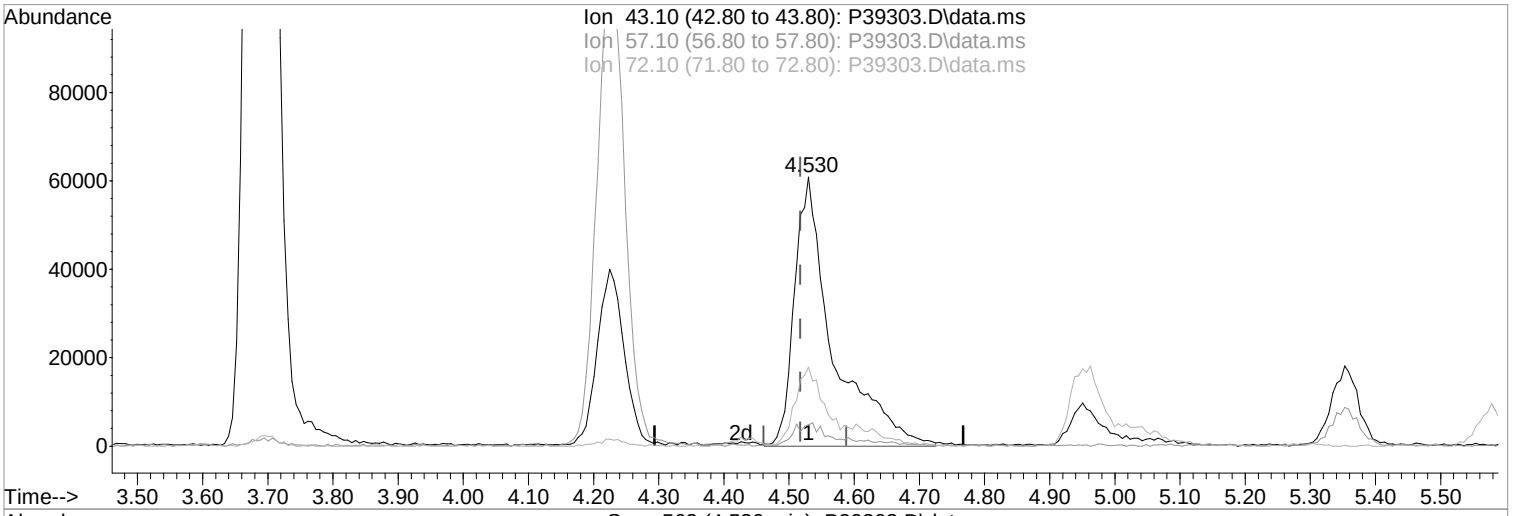
09/05/20

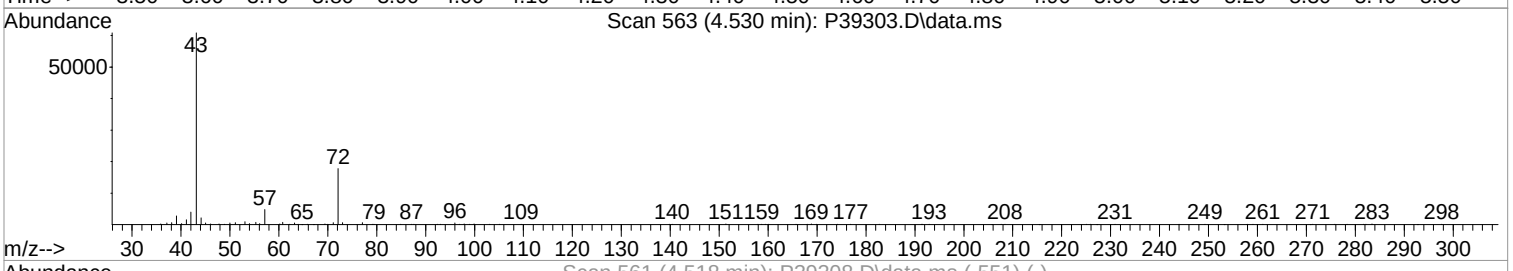
1st 09/05/20
2nd 09/05/20

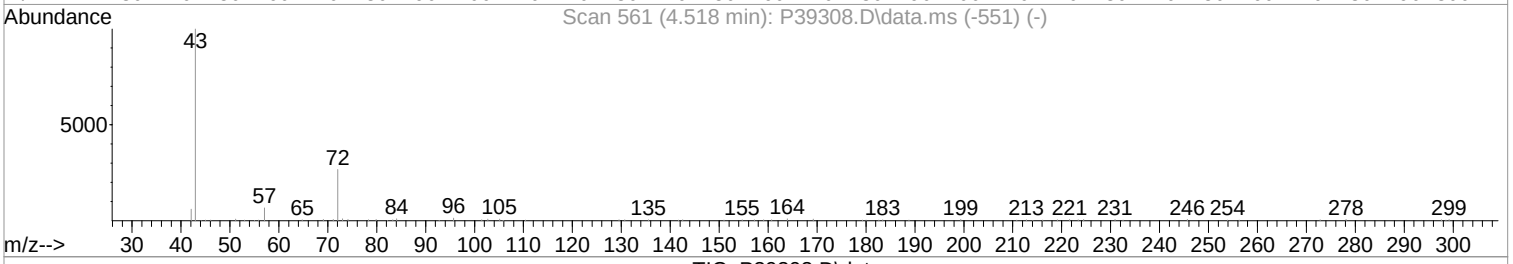
Quantitation Report (Qedit)

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 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

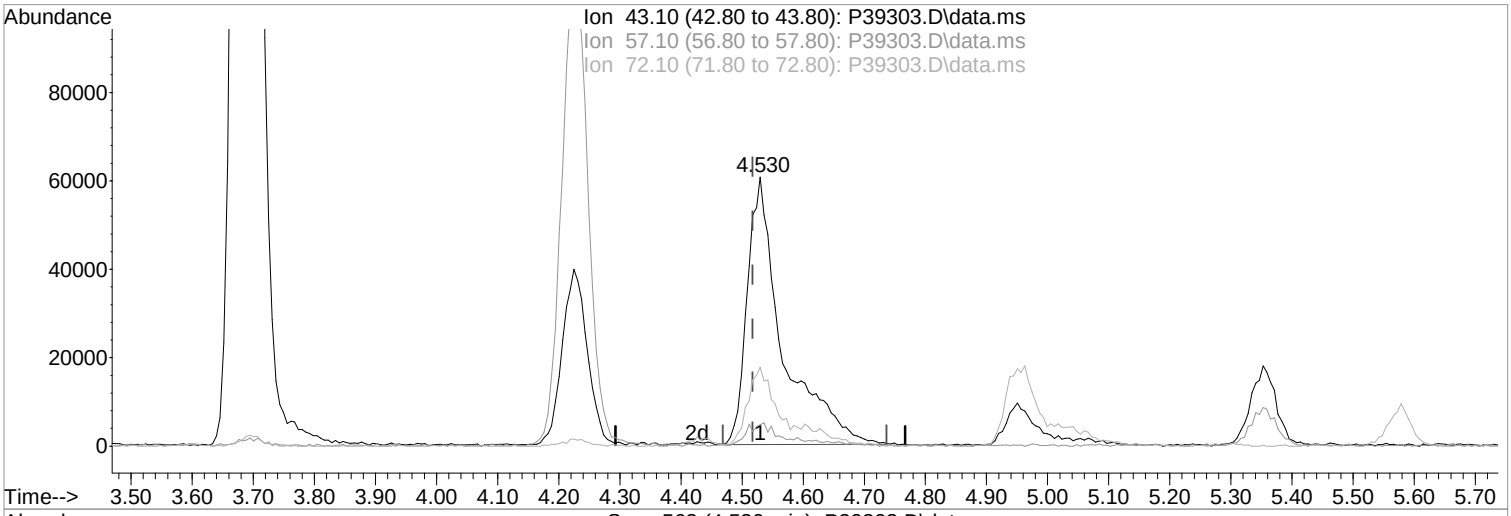
Other -

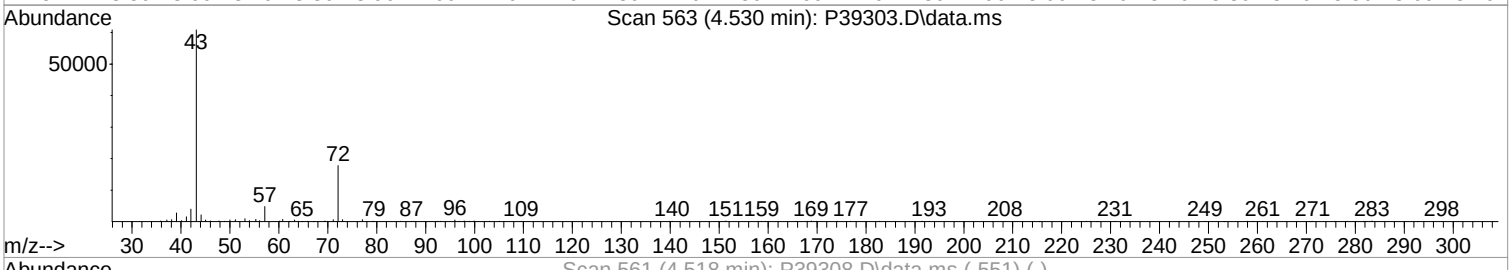
09/05/20

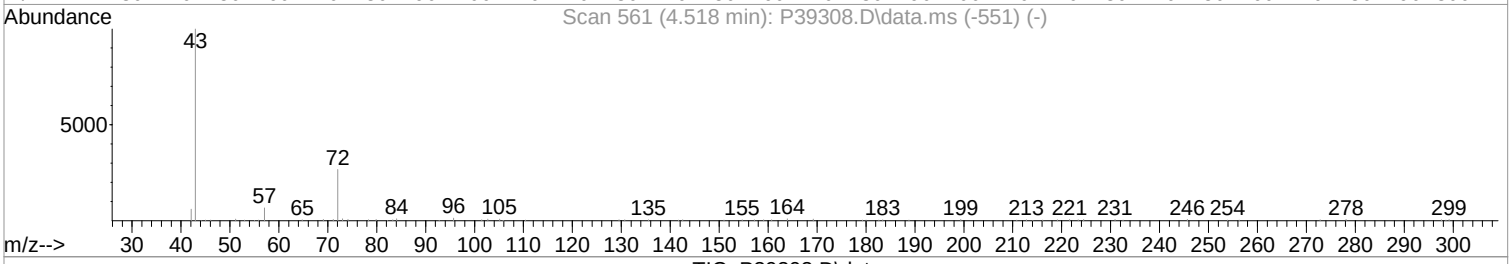
Quantitation Report (Qedit)

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
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

(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:

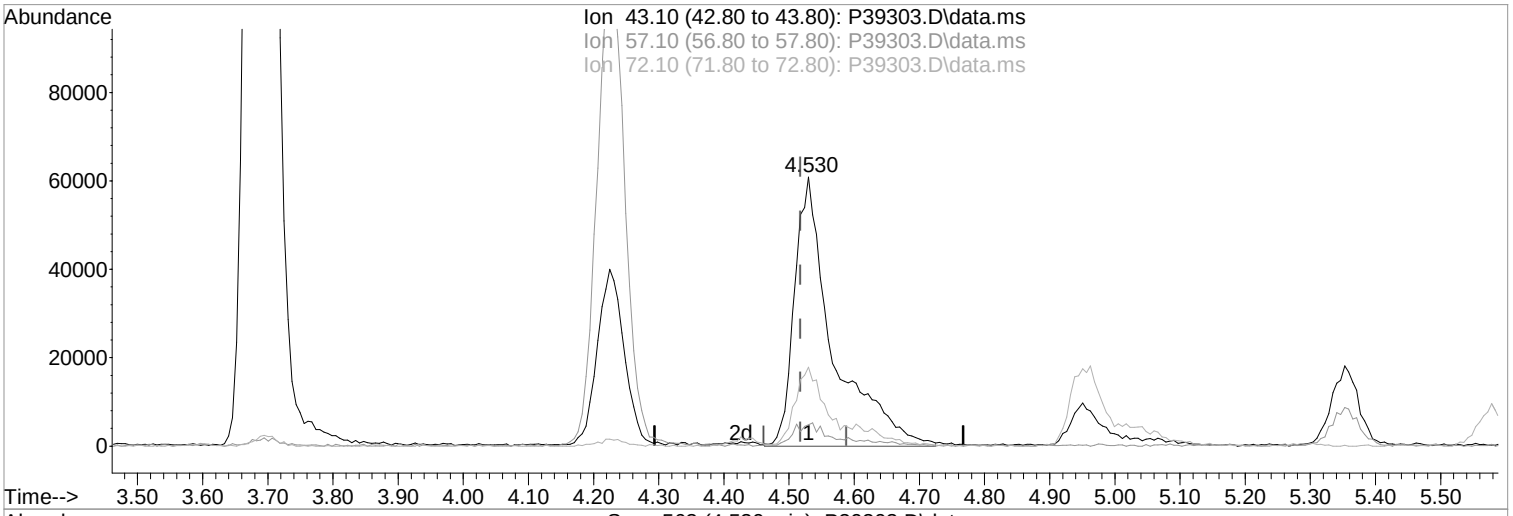
Before

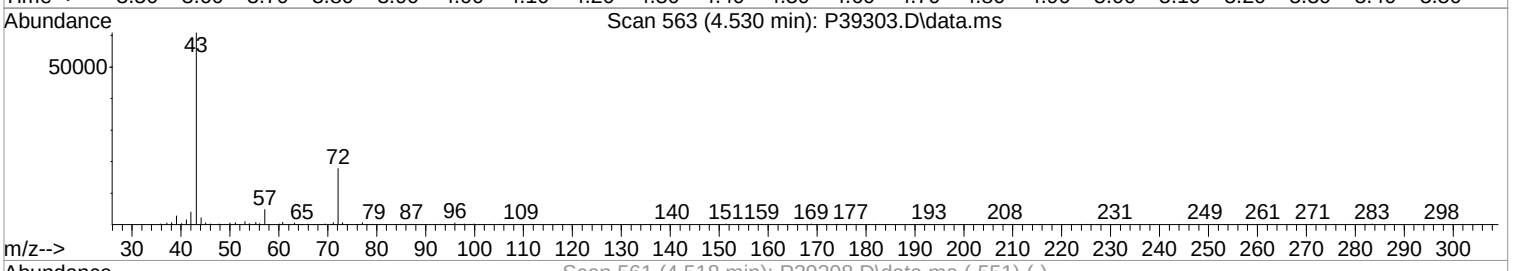
09/05/20

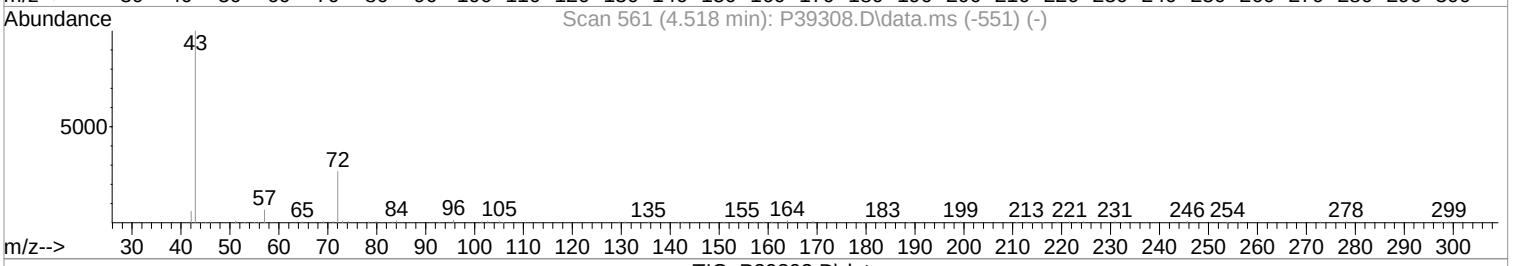
Quantitation Report (Qedit)

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
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

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
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)
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

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)
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

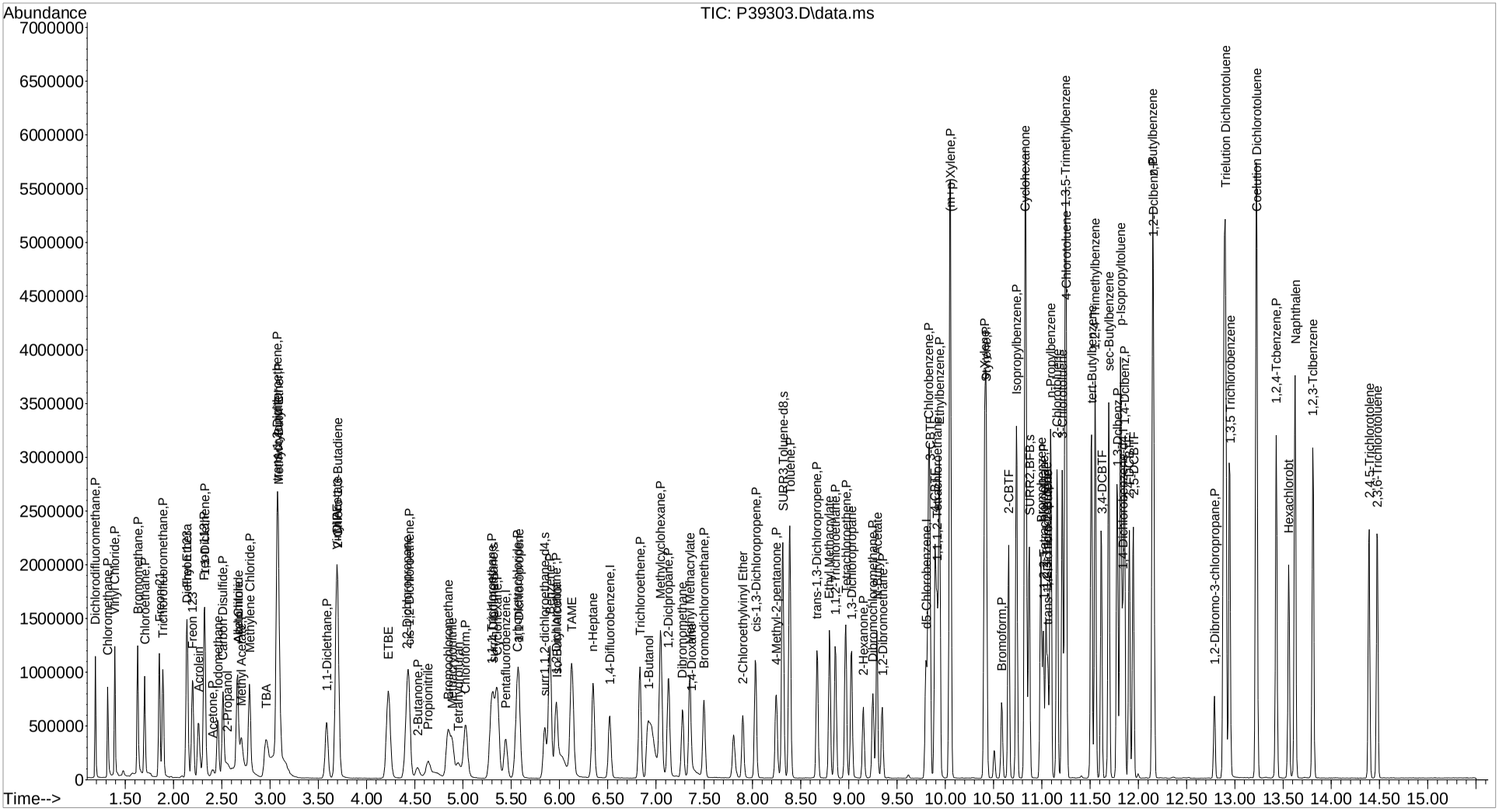
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.858	146	924398	96.25	ppb	99
107) 2,4-DCBTF	11.906	214	410868	100.64	ppb	97
108) 2,5-DCBTF	11.949	214	461419	97.96	ppb	98
109) n-Butylbenzene	12.150	91	1525873	103.94	ppb	96
110) 1,2-Dclbenz	12.156	146	912745	97.20	ppb	99
111) 1,2-Dibromo-3-chloropr...	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

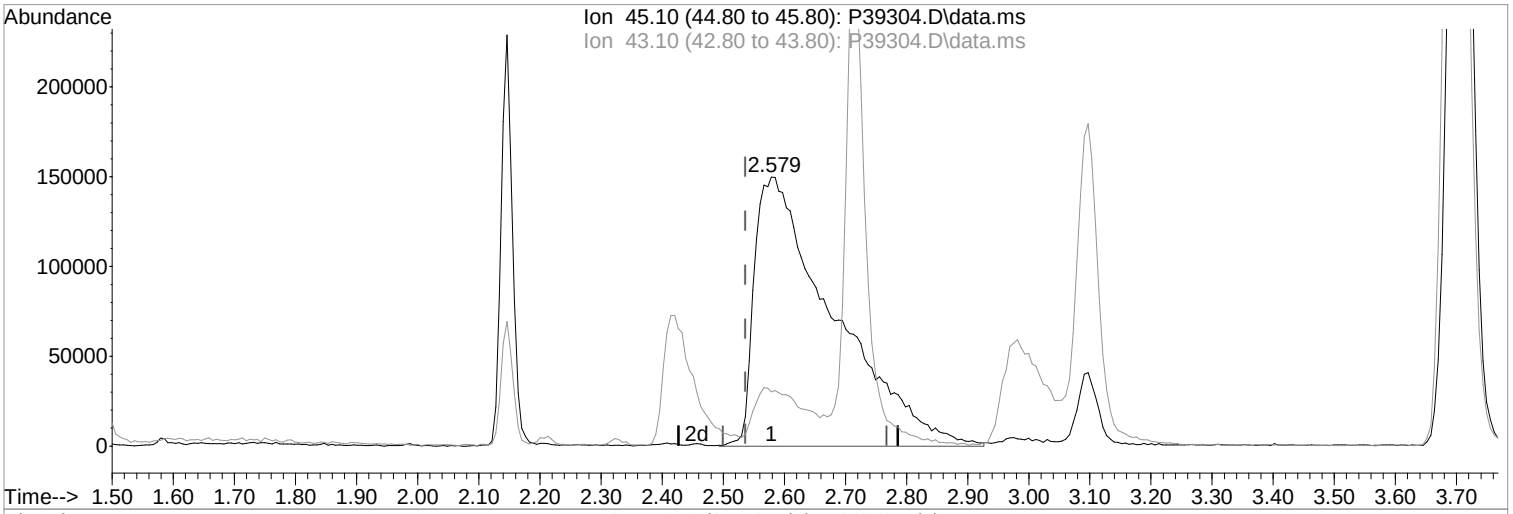
Quant Time: Sep 05 09:16:34 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

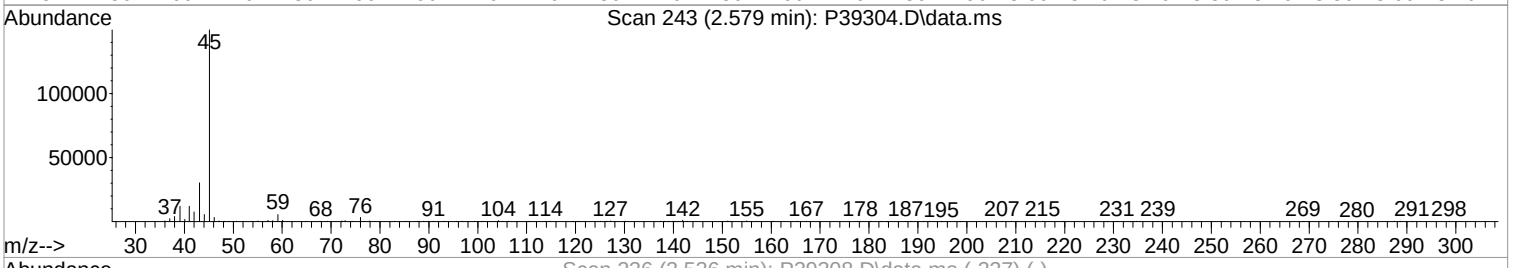


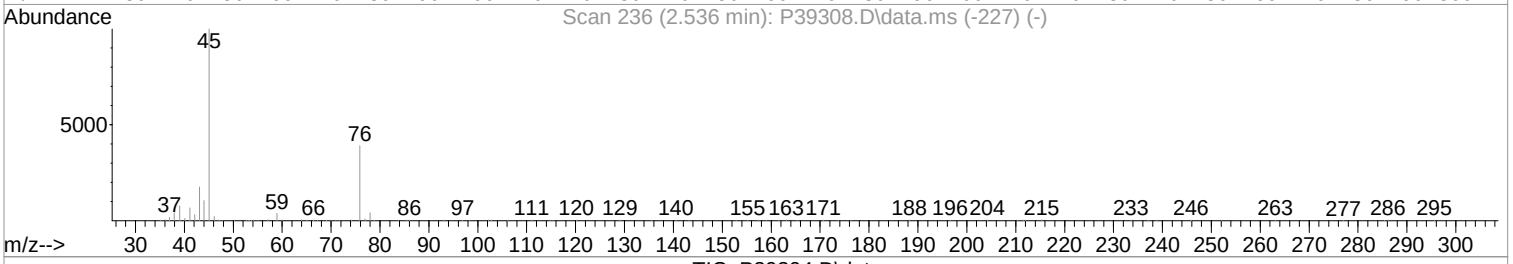
Quantitation Report (Qedit)

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

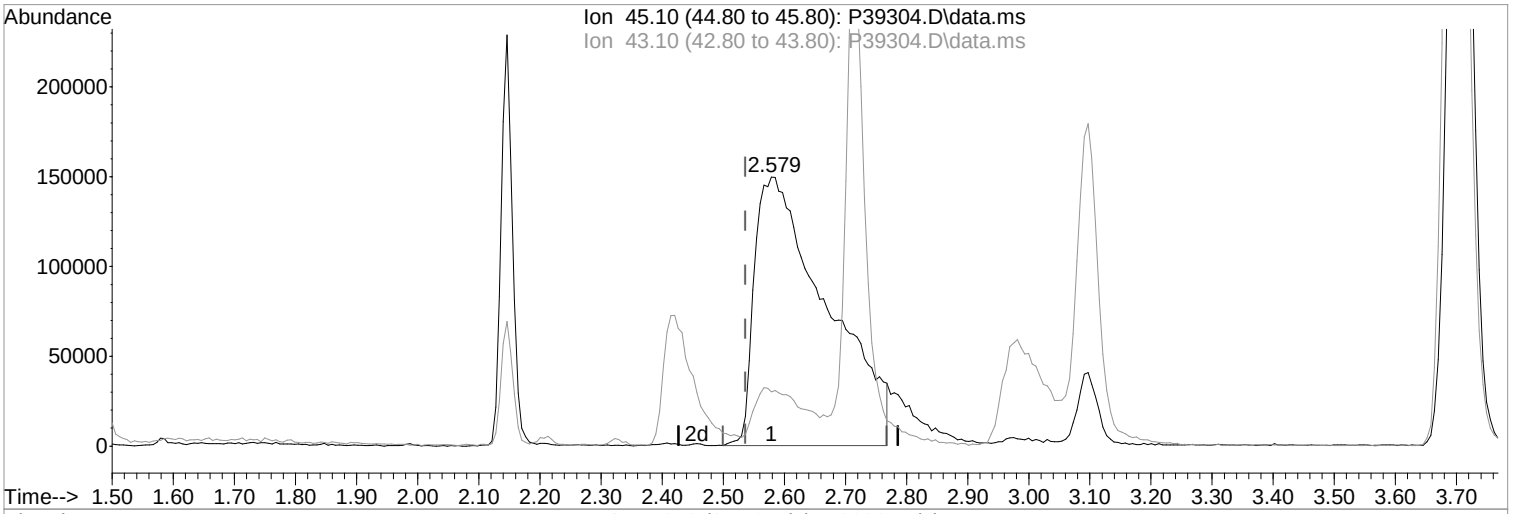
Poor integration.

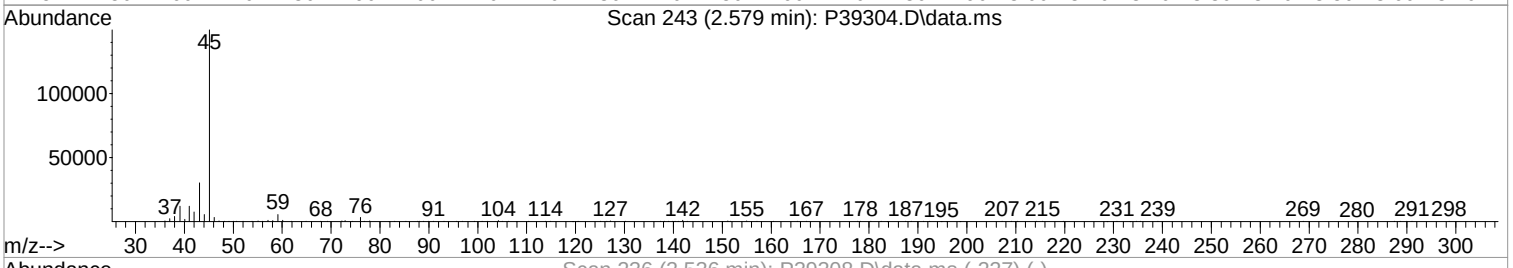
09/05/20

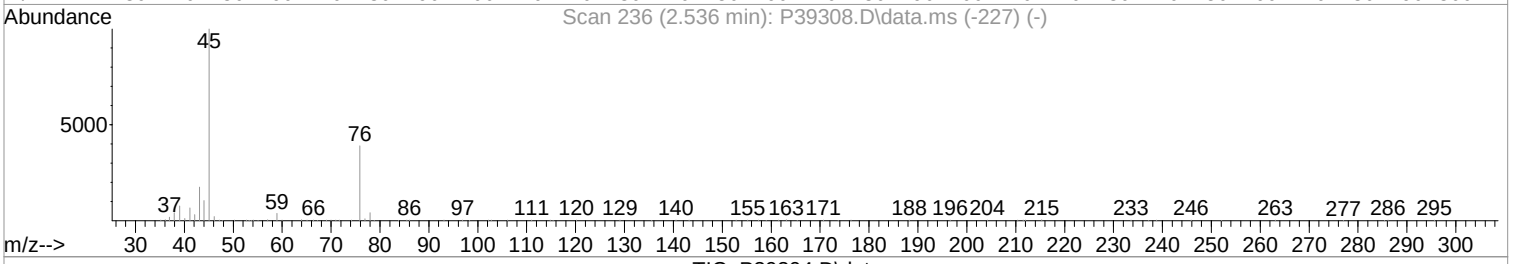
Quantitation Report (Qedit)

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

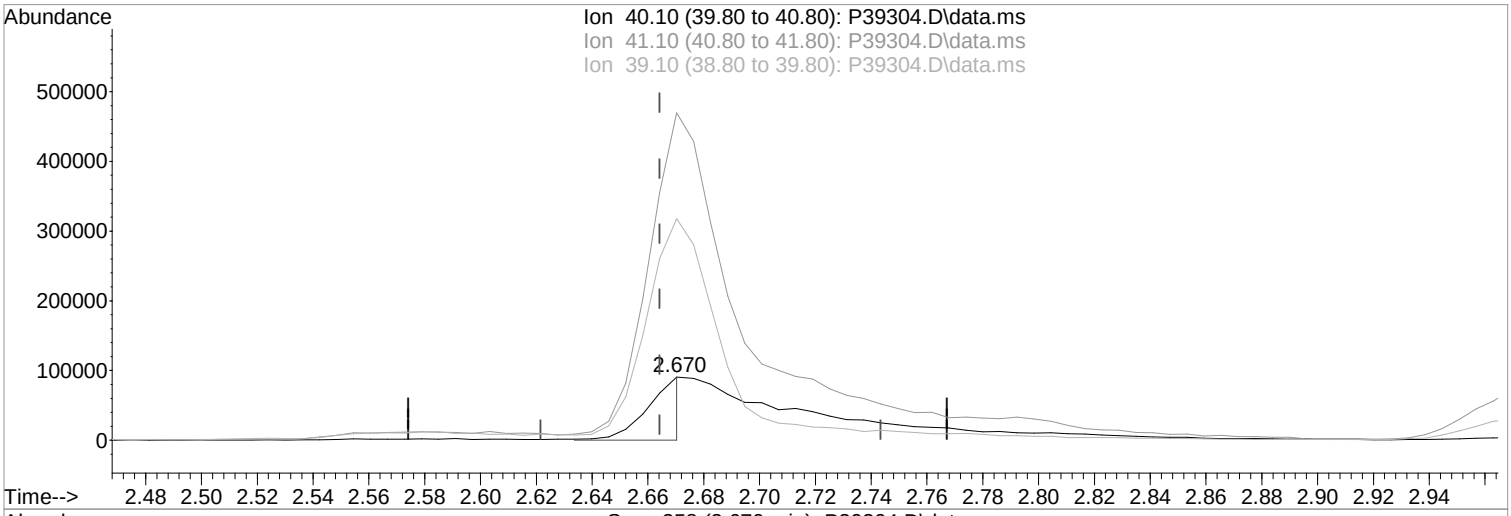
09/05/20

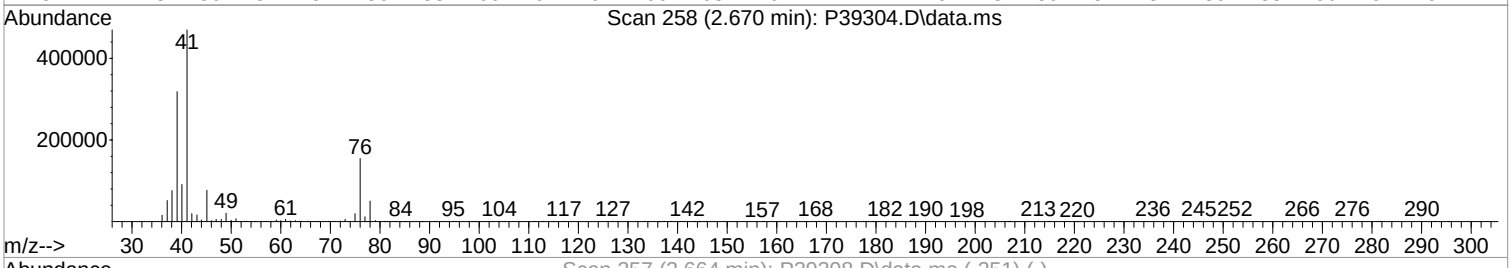
1st 09/05/20
2nd 09/05/20

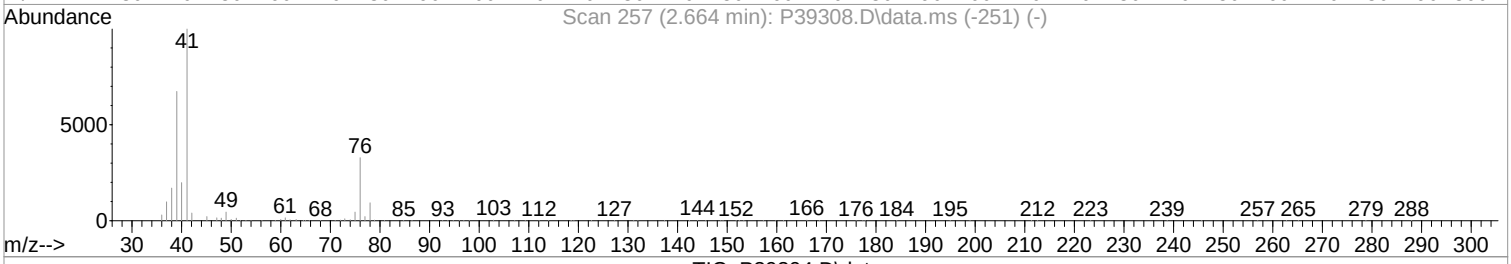
Quantitation Report (Qedit)

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

(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

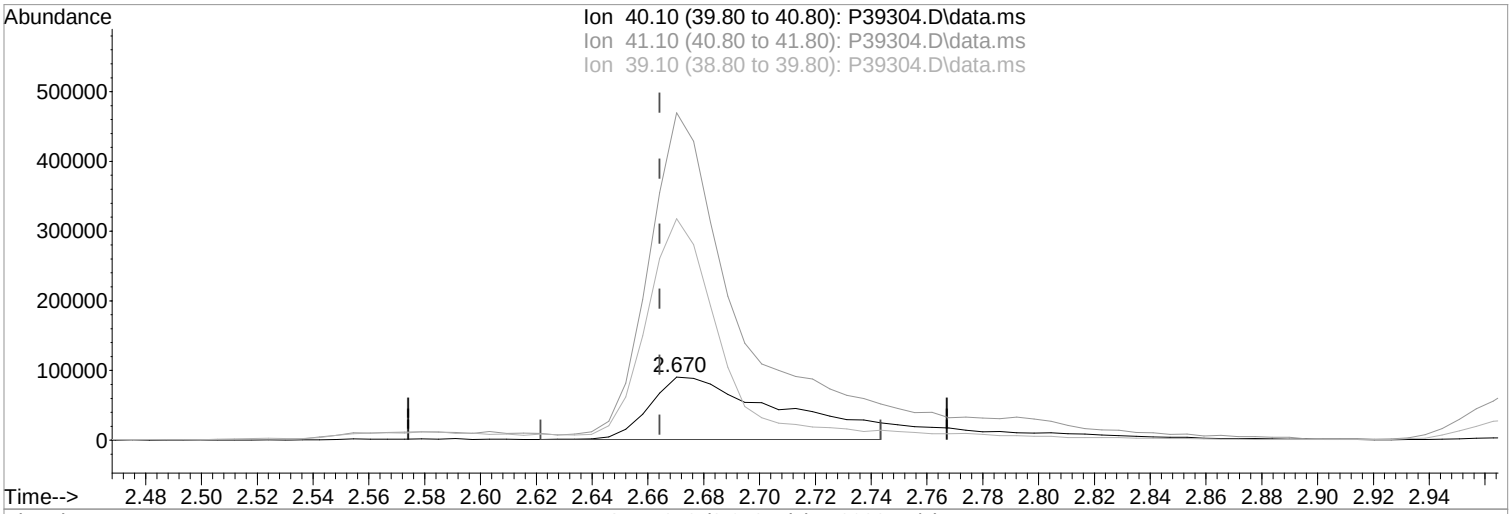
Poor integration.

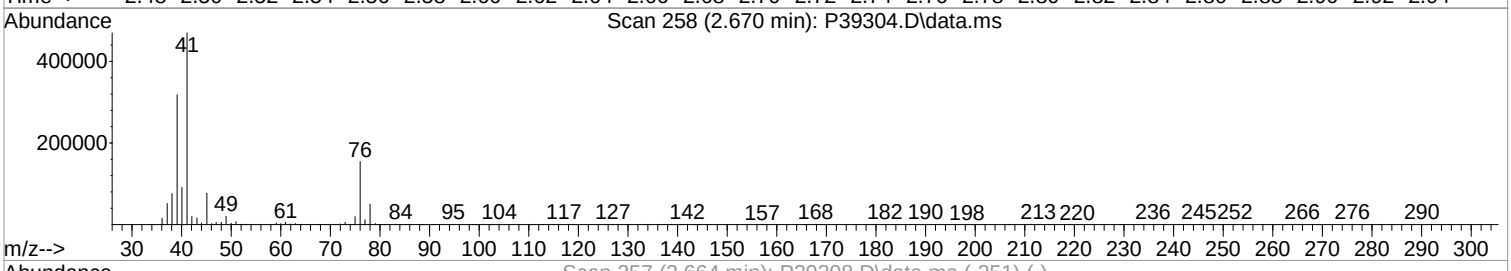
09/05/20

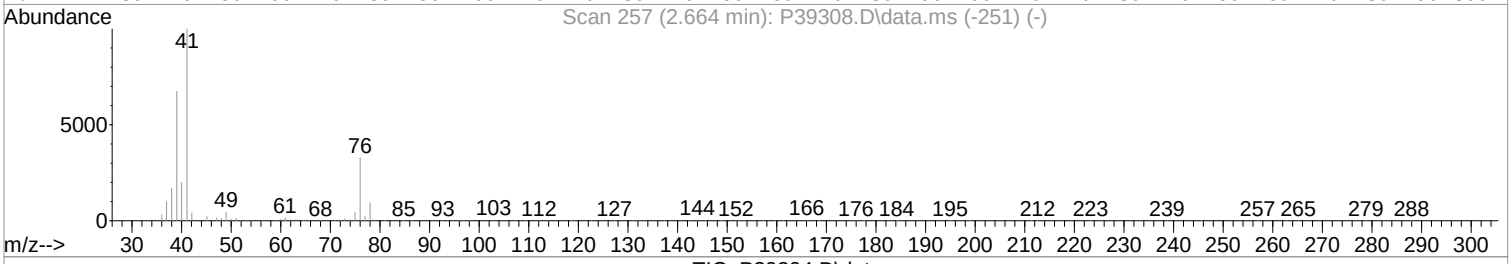
Quantitation Report (Qedit)

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

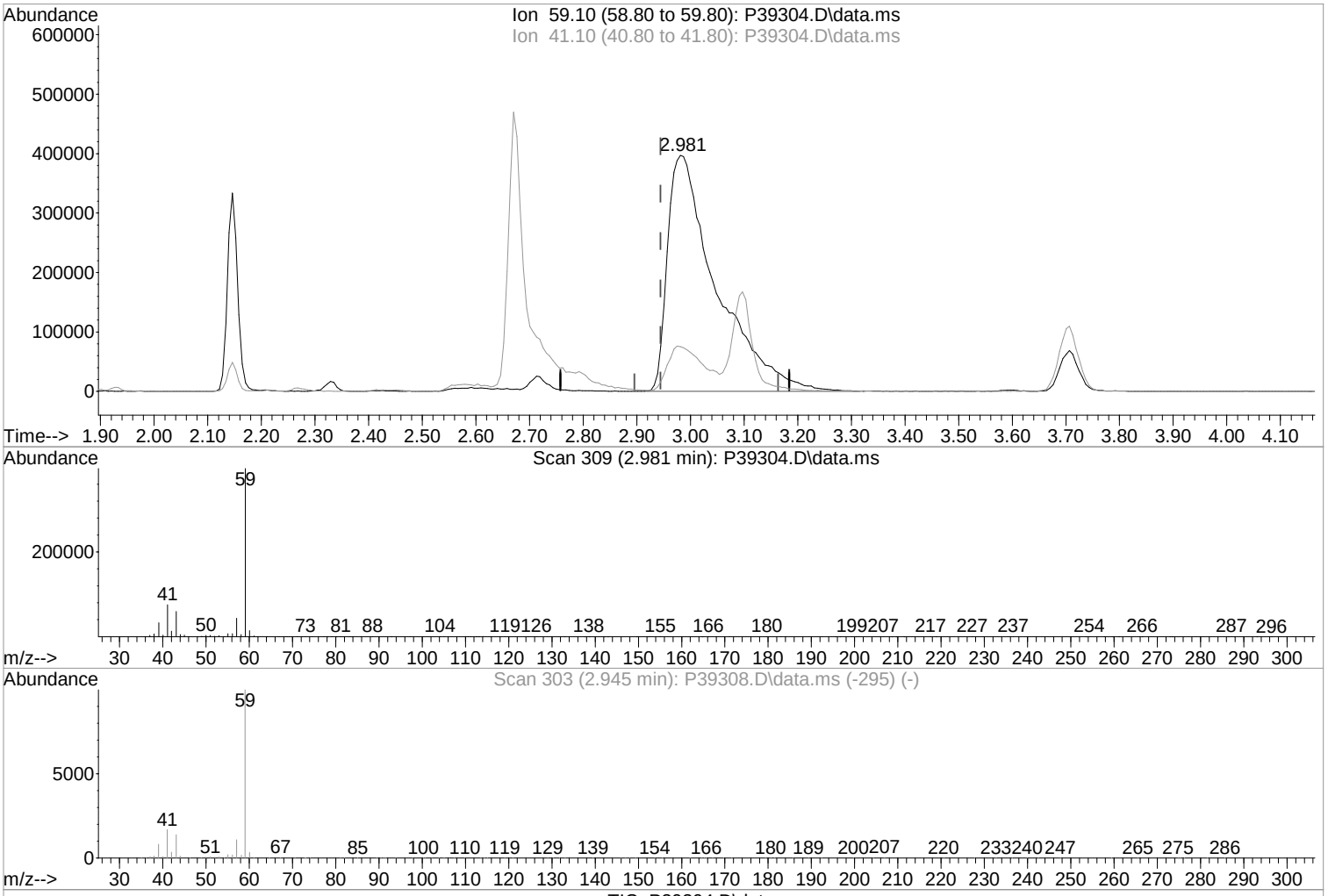
09/05/20

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

(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

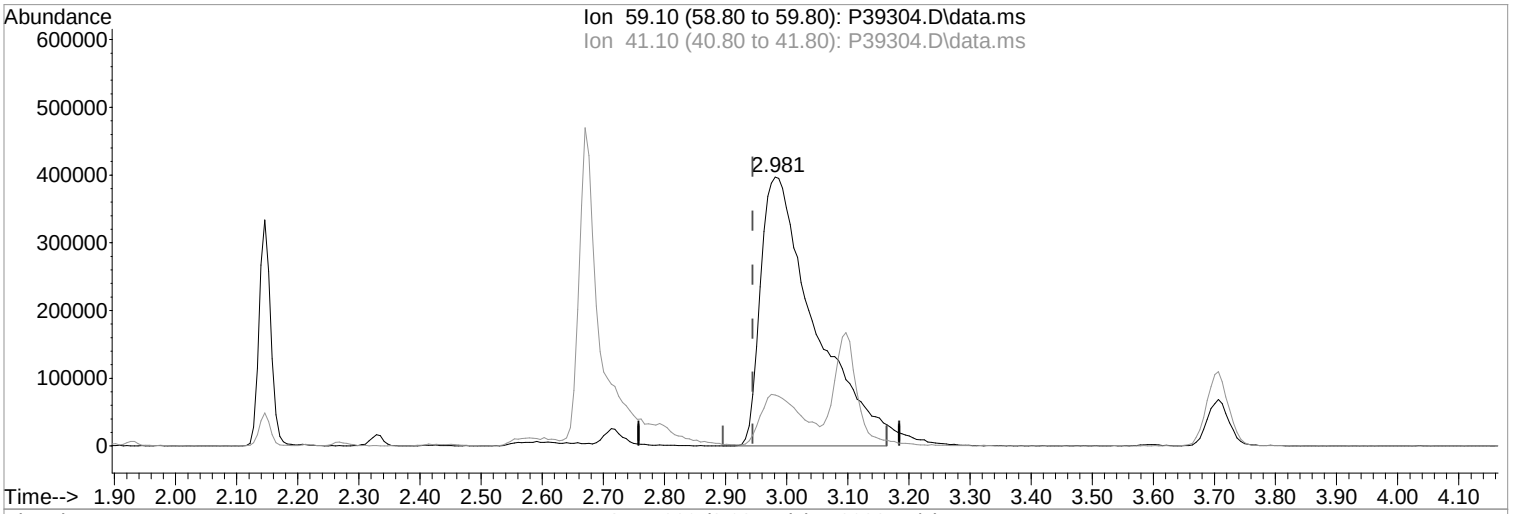
Poor integration.

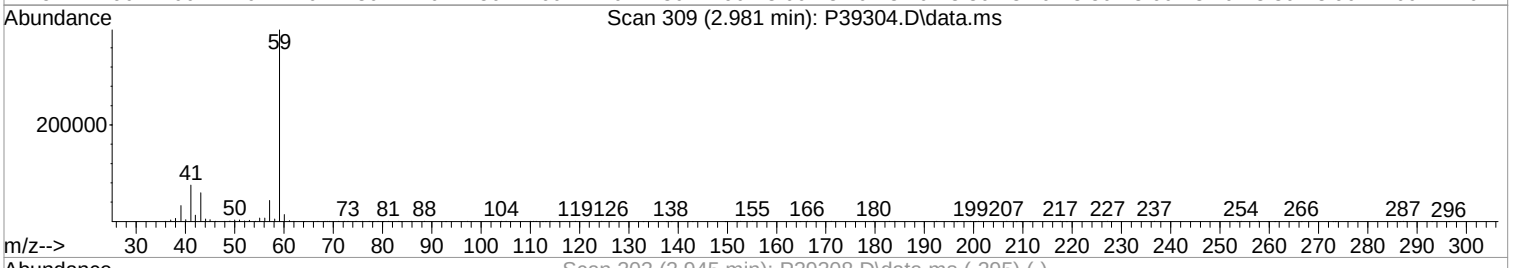
09/05/20

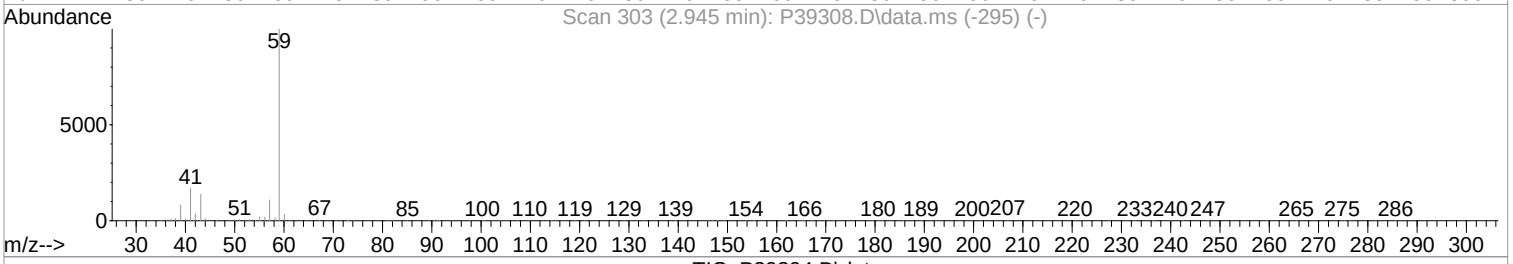
Quantitation Report (Qedit)

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

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)
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

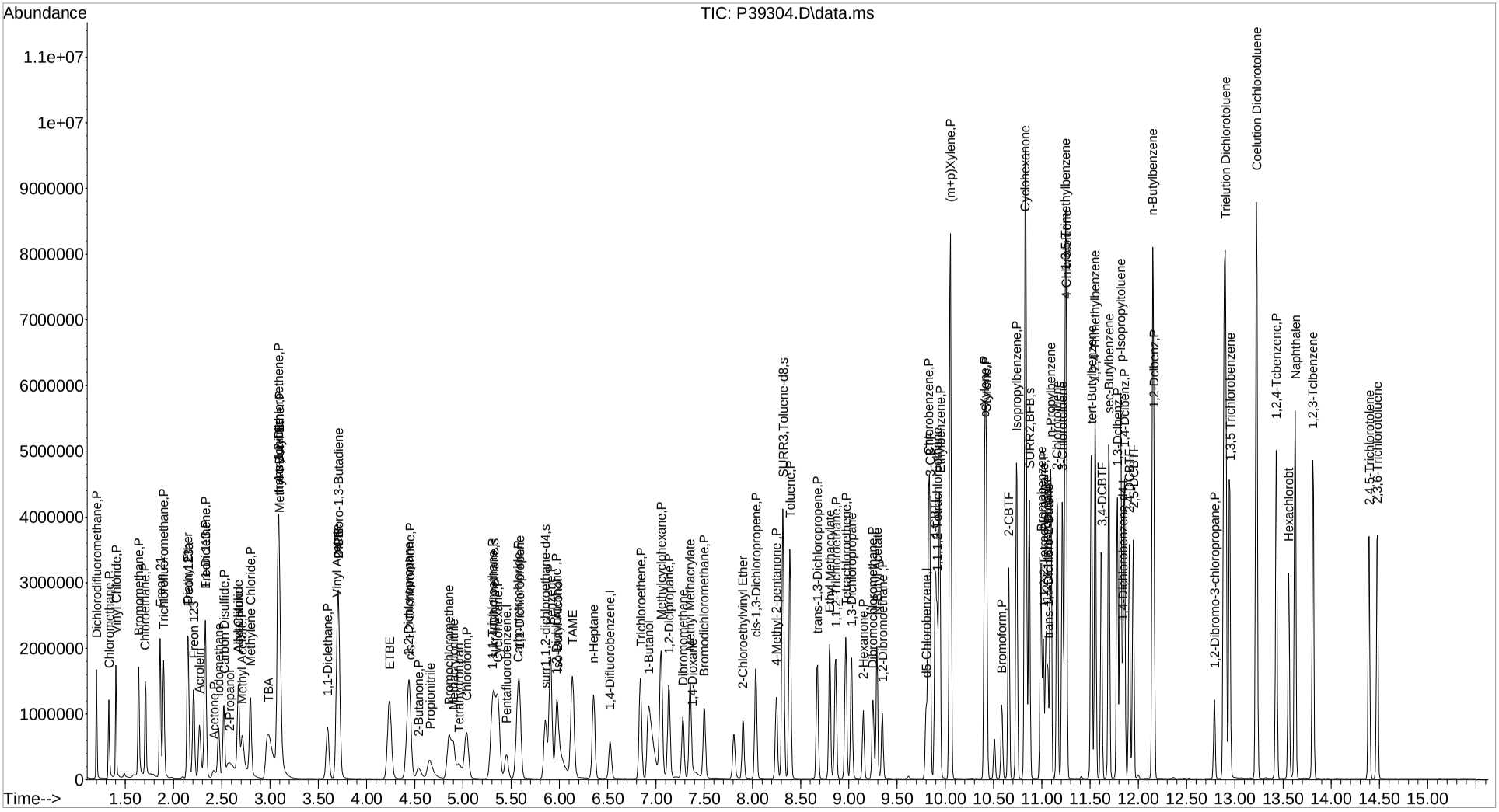
(#) = qualifier out of range (m) = manual integration (+) = signals summed

09/05/20 09/05/20
1st 2nd

Quantitation Report (QT Reviewed)

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QLast Update : Fri Sep 04 17:19:14 2020
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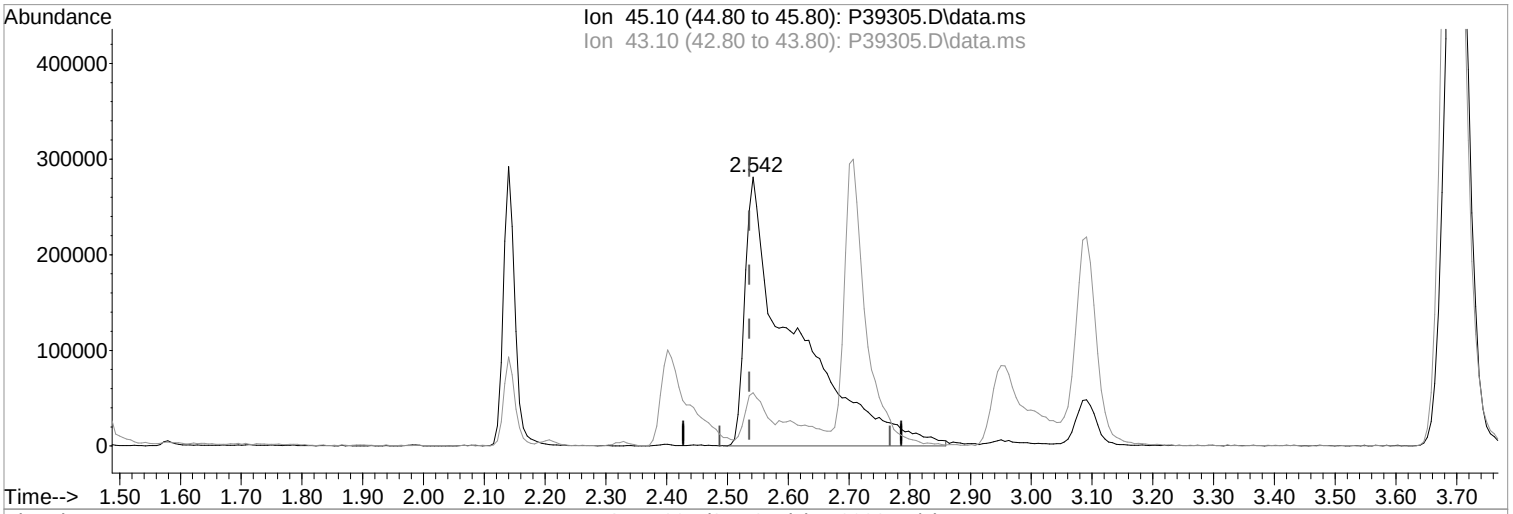


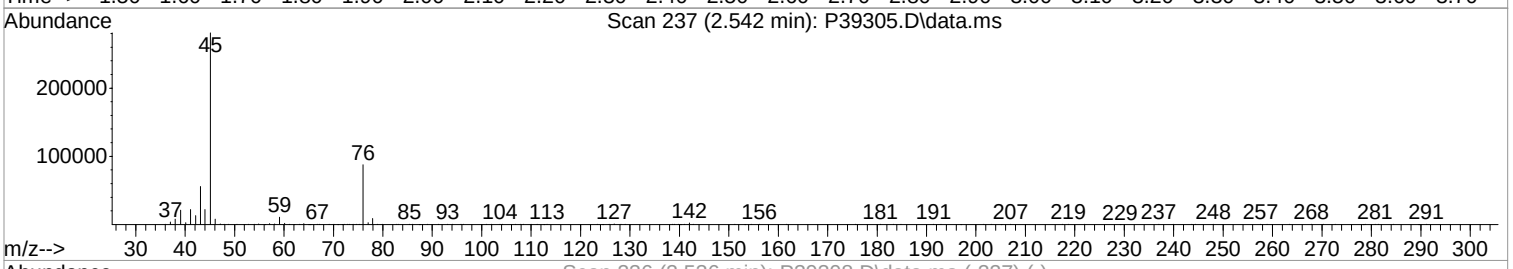
1st 09/05/20
2nd 09/05/20

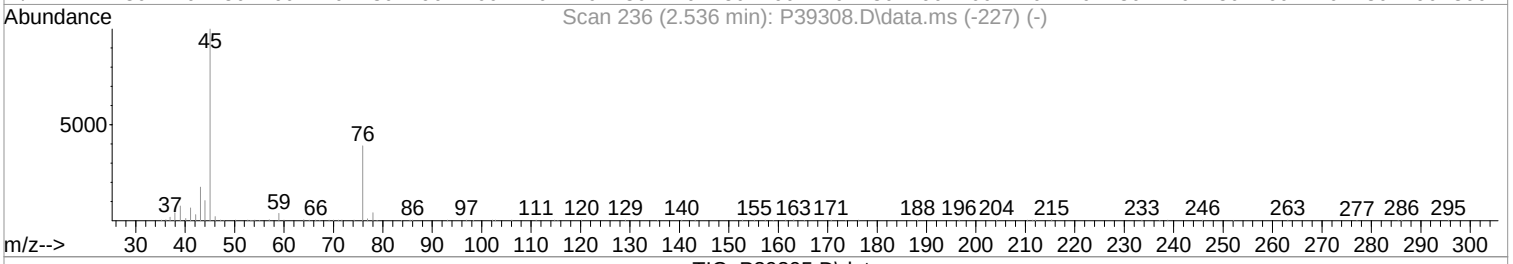
Quantitation Report (Qedit)

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) 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.

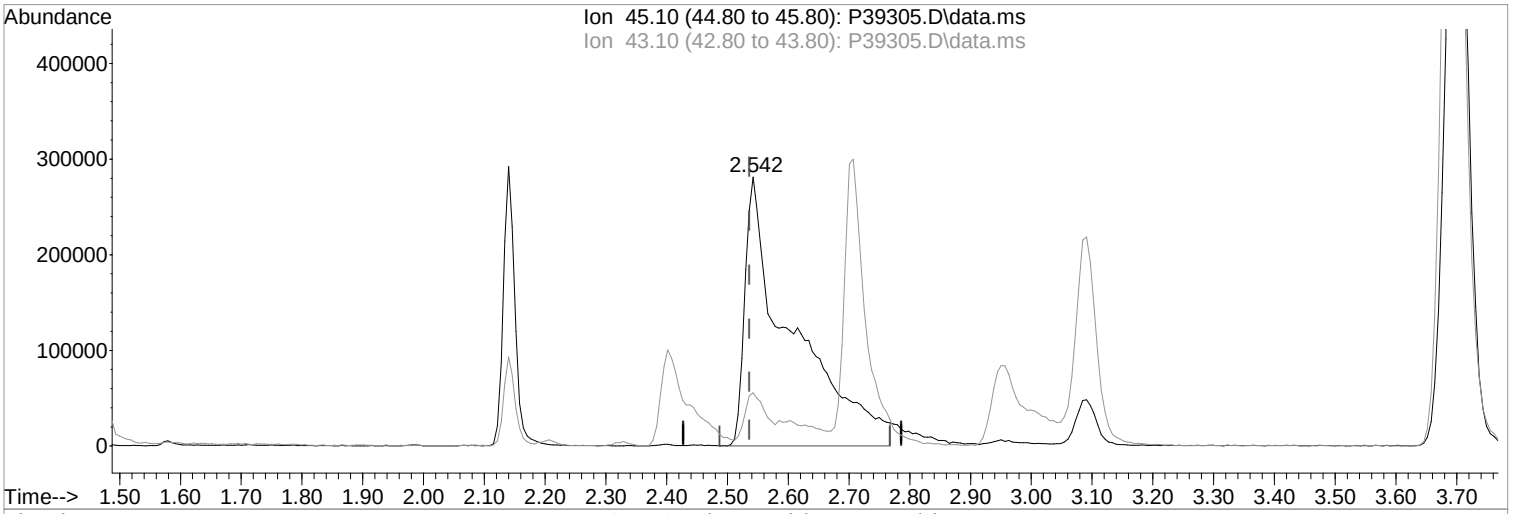
09/05/20

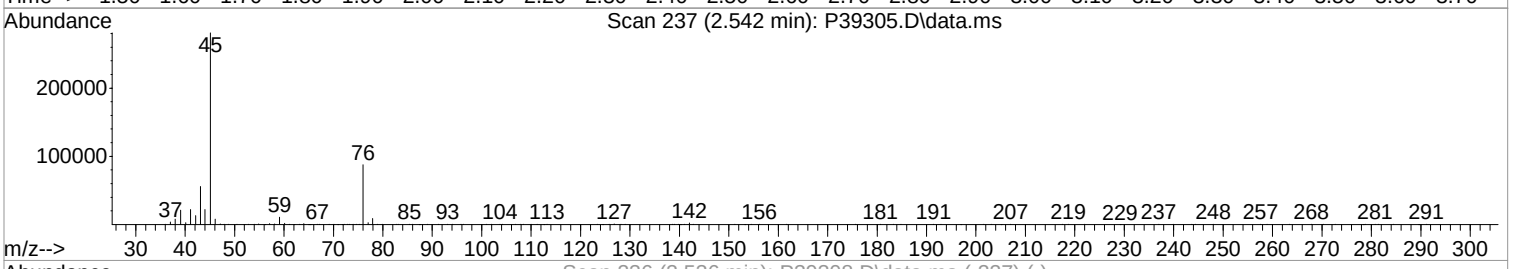
1st 09/05/20
2nd 09/05/20

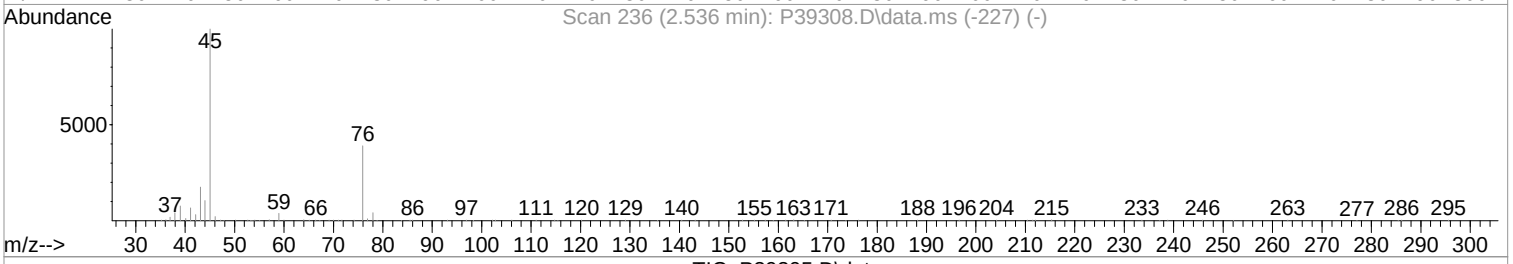
Quantitation Report (Qedit)

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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

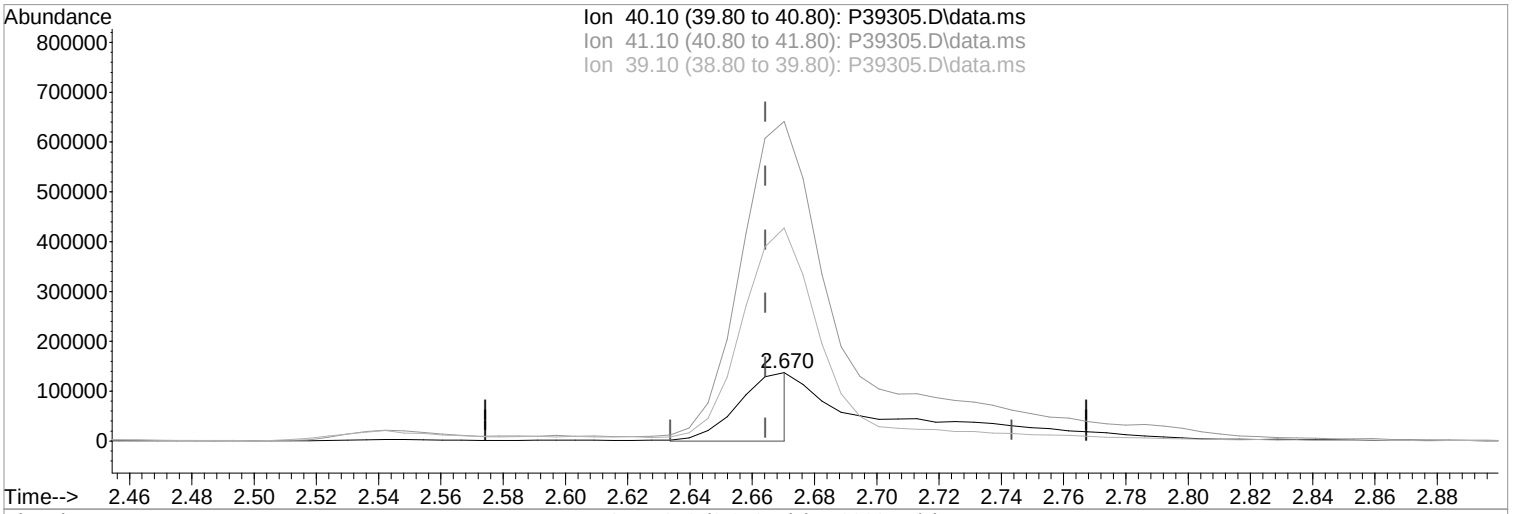
09/05/20

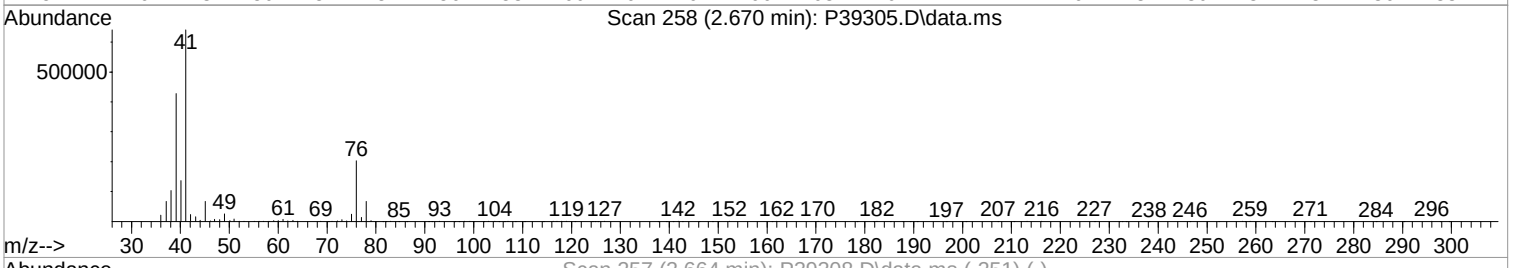
1st 09/05/20
2nd 09/05/20

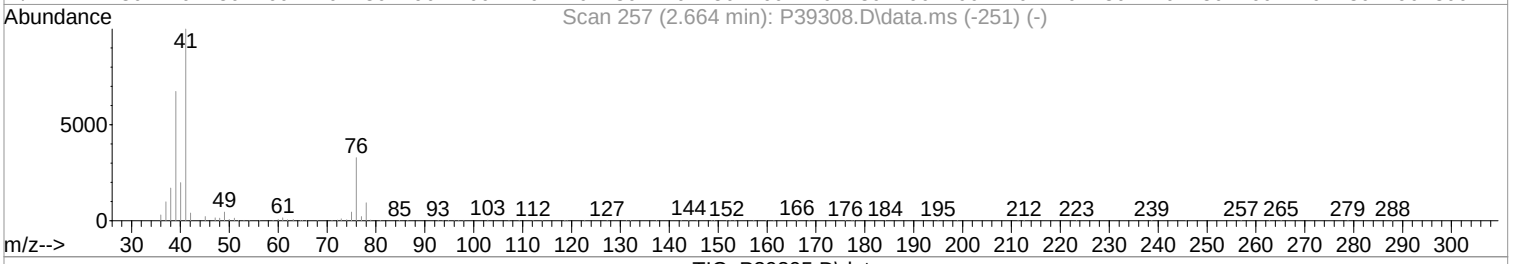
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Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration







TIC: 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.

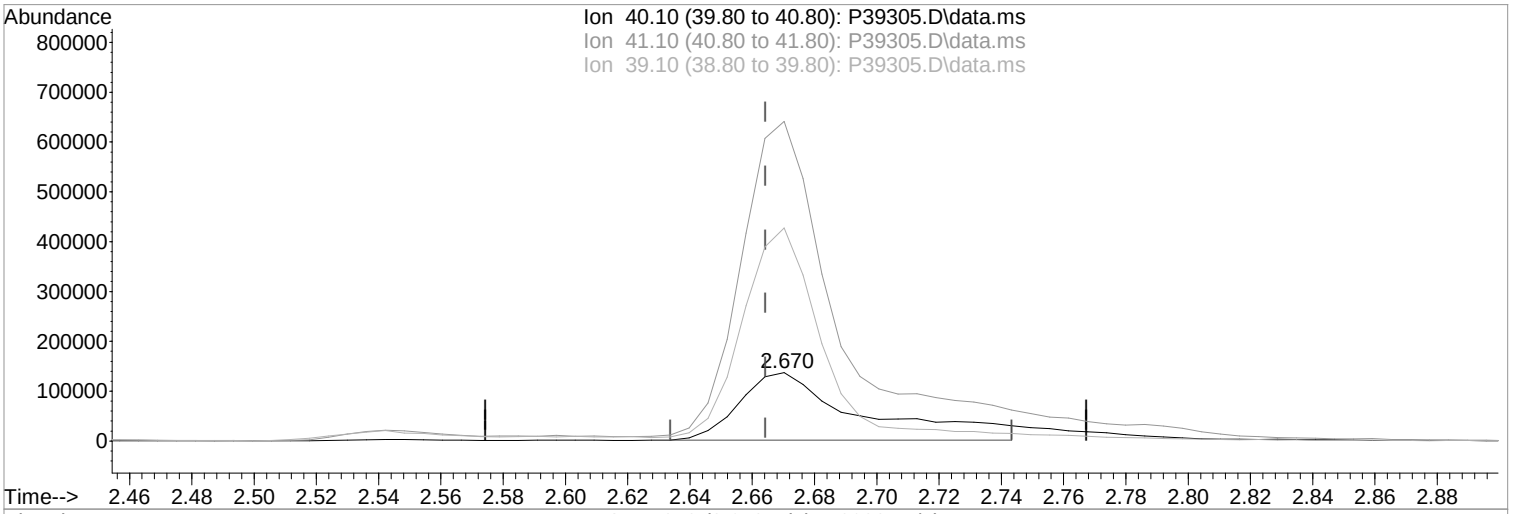
09/05/20

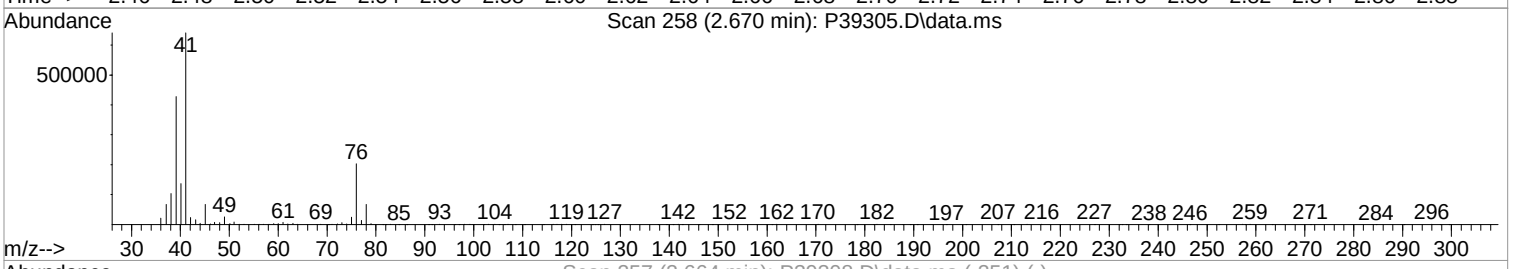
1st 09/05/20
2nd 09/05/20

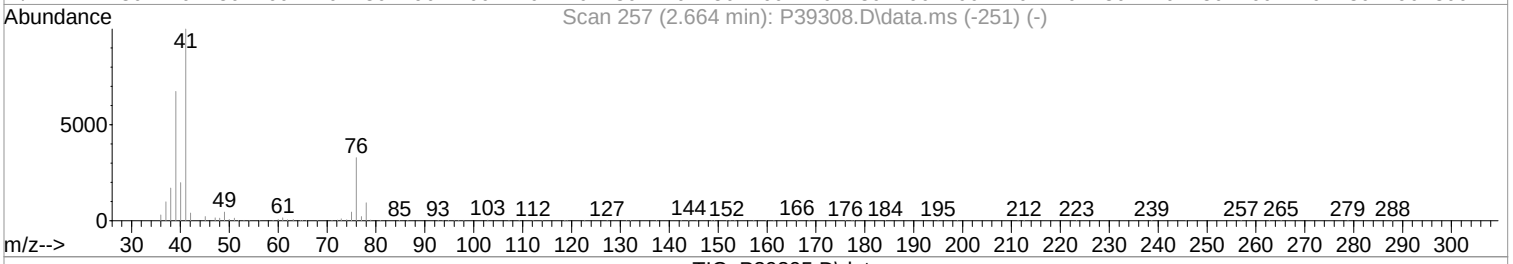
Quantitation Report (Qedit)

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

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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

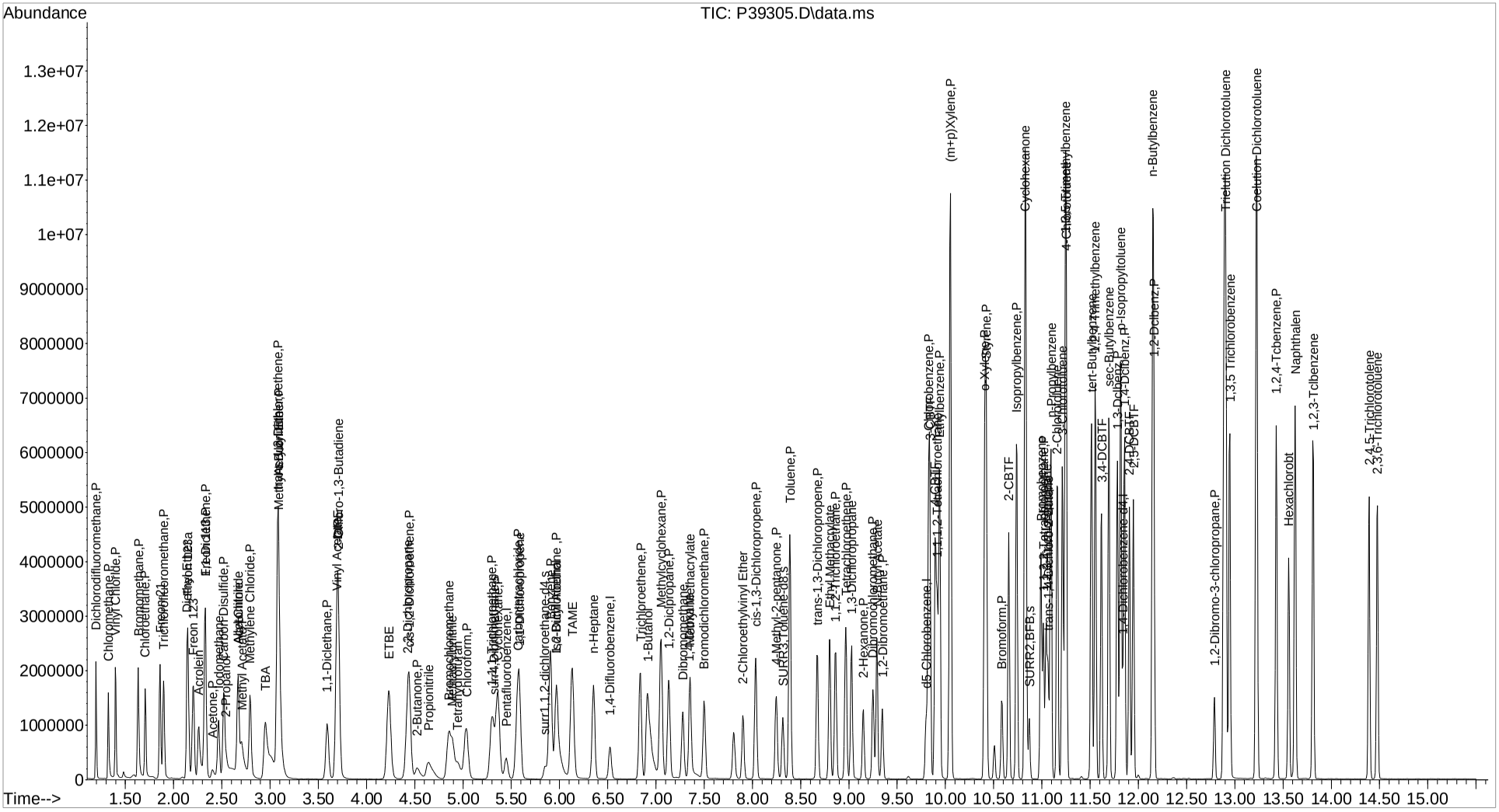
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) 1,4-Dclbenz	11.857	146	1866174	182.87	ppb		95
107) 2,4-DCBTF	11.906	214	912560	210.35	ppb		99
108) 2,5-DCBTF	11.949	214	993462	198.48	ppb		99
109) n-Butylbenzene	12.150	91	2951009	189.17	ppb		87
110) 1,2-Dclbenz	12.162	146	1886634	189.07	ppb		97
111) 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

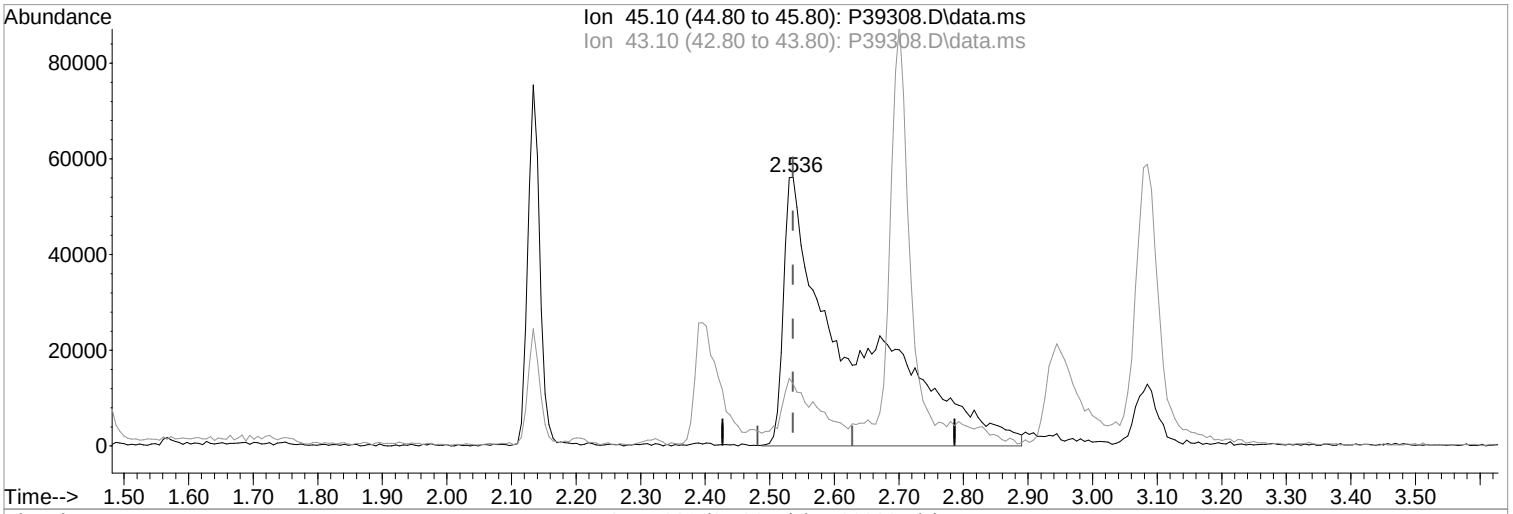
Quant Time: Sep 05 09:17:31 2020
Quant Method : I:\ACQUDATA\msvoa12\Methods\W090420.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Fri Sep 04 17:19:14 2020
Response via : Initial Calibration

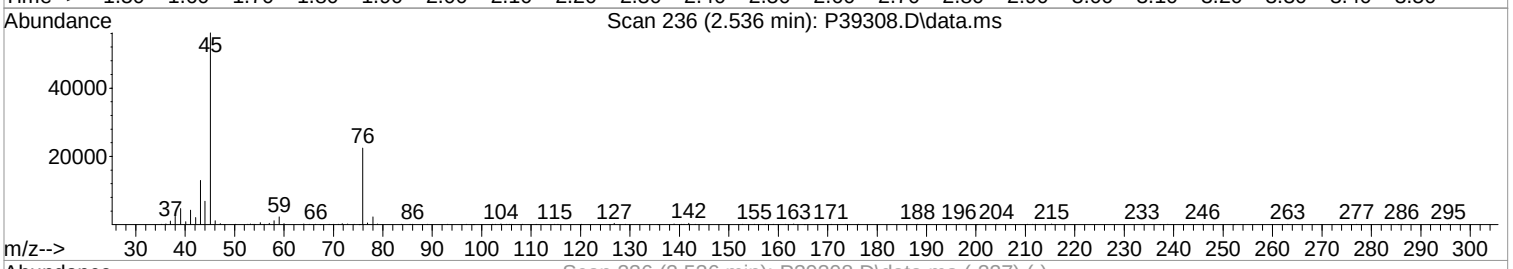


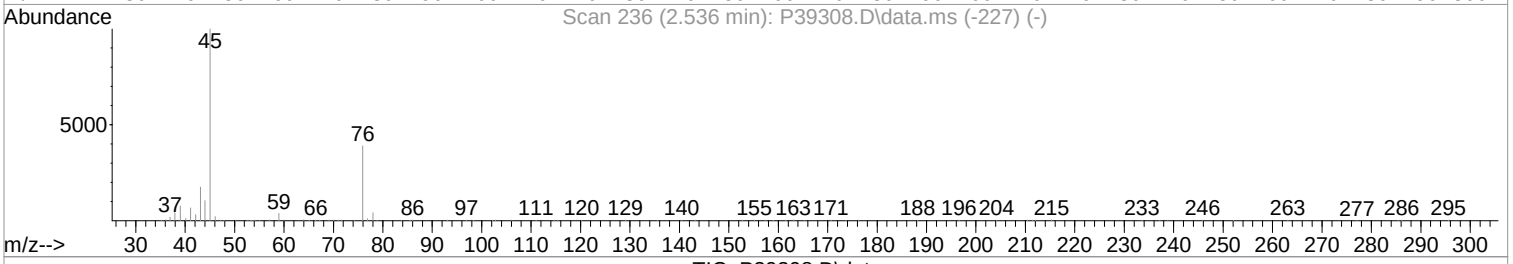
Quantitation Report (Qedit)

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.

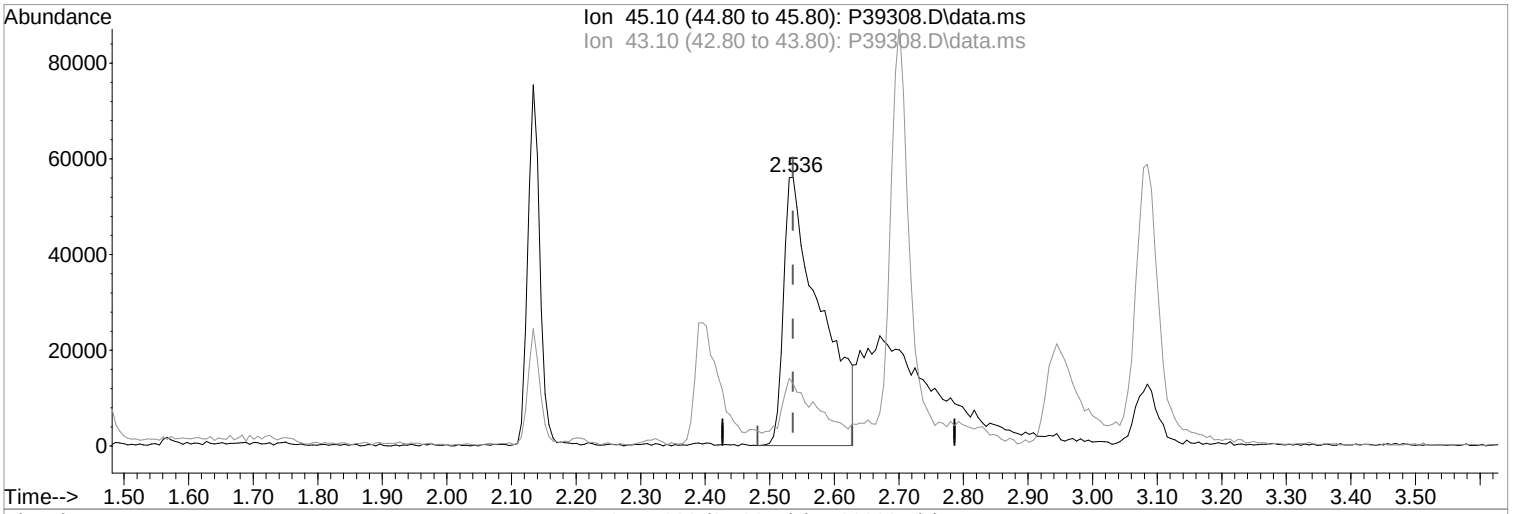
09/05/20

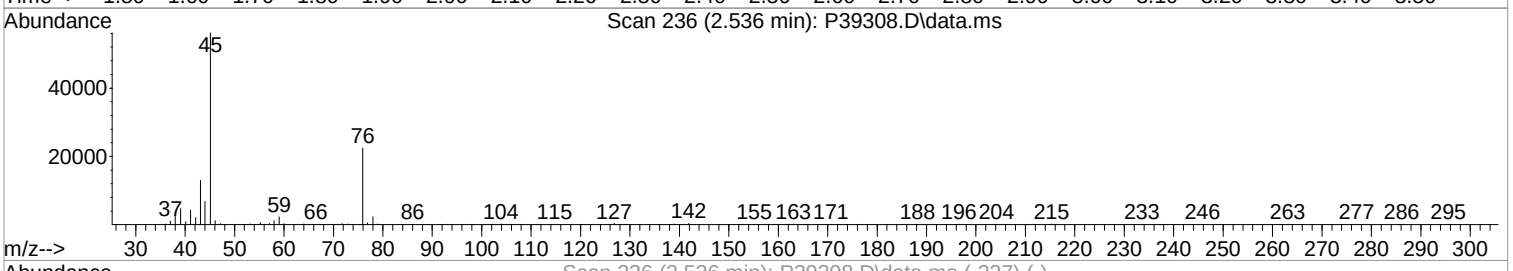
1st 09/05/20
2nd 09/05/20

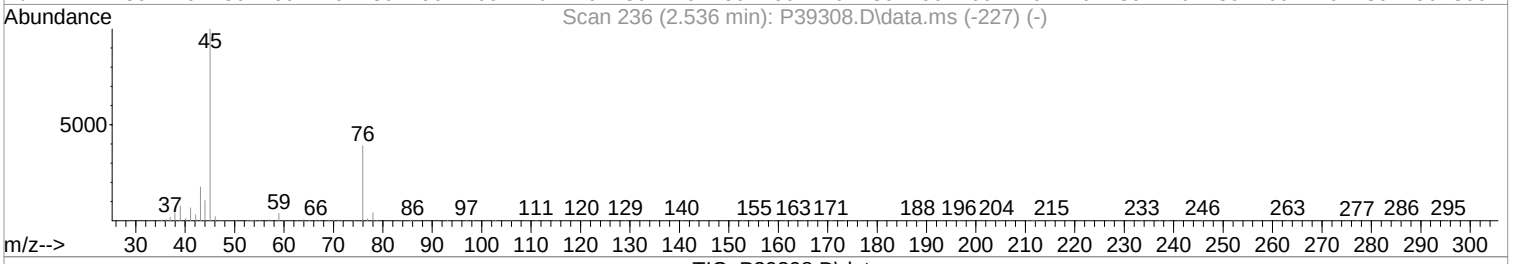
Quantitation Report (Qedit)

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) 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:

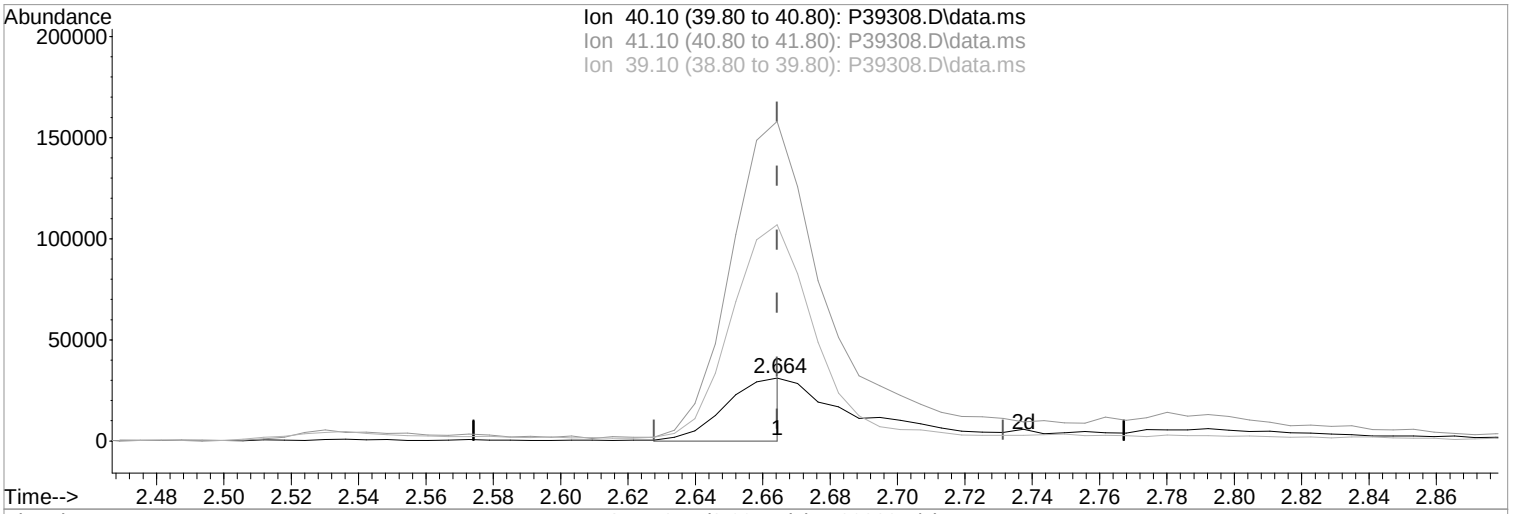
Before

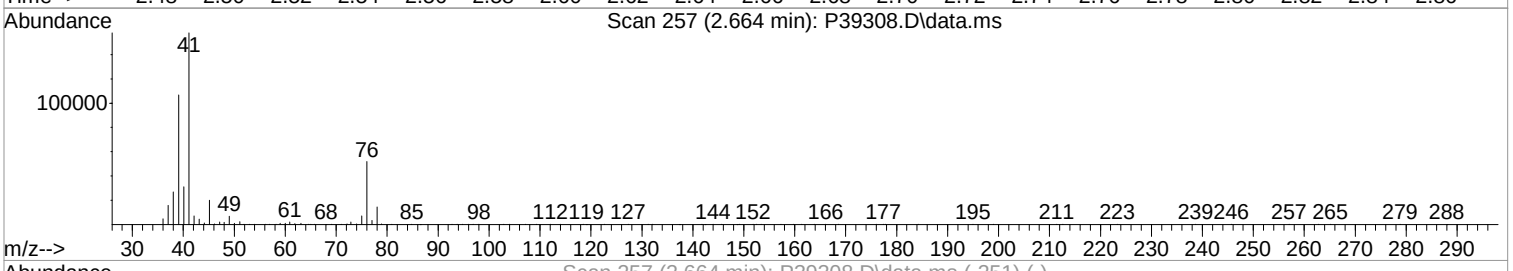
09/05/20

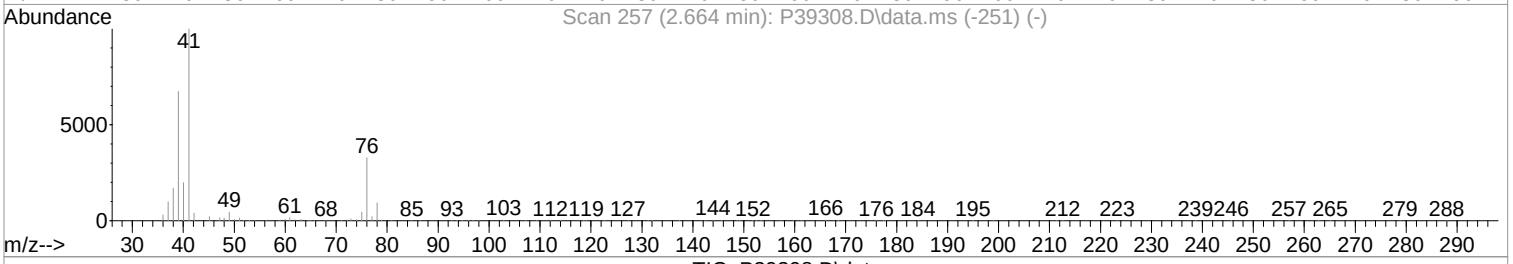
Quantitation Report (Qedit)

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

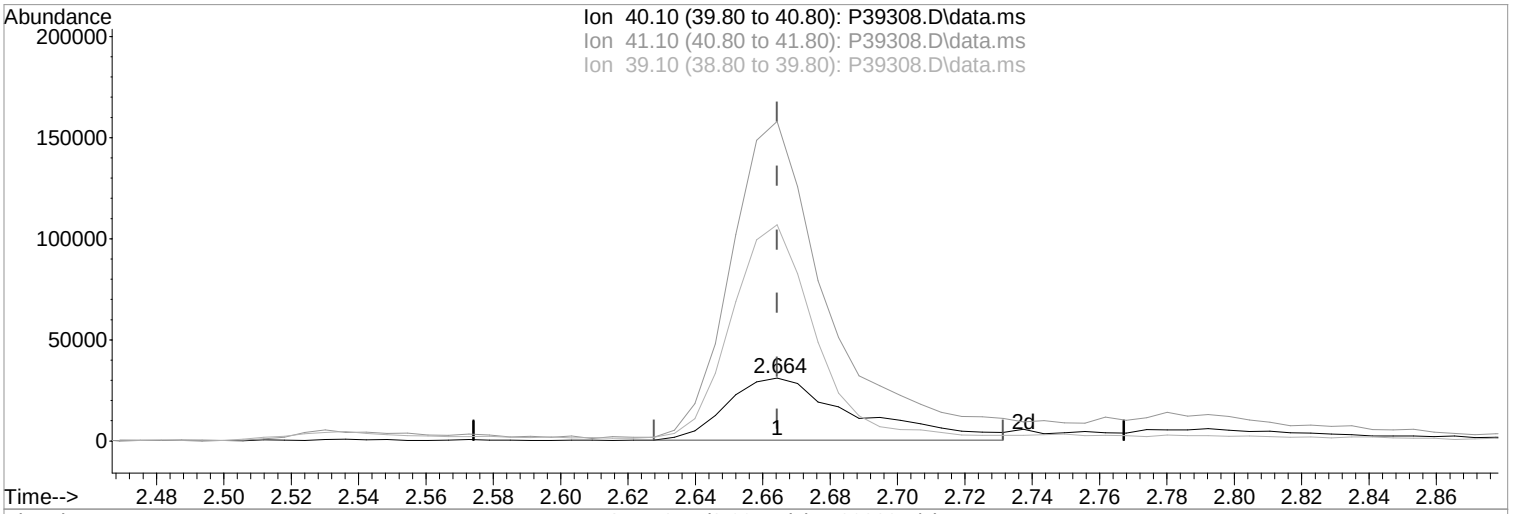
Poor integration.

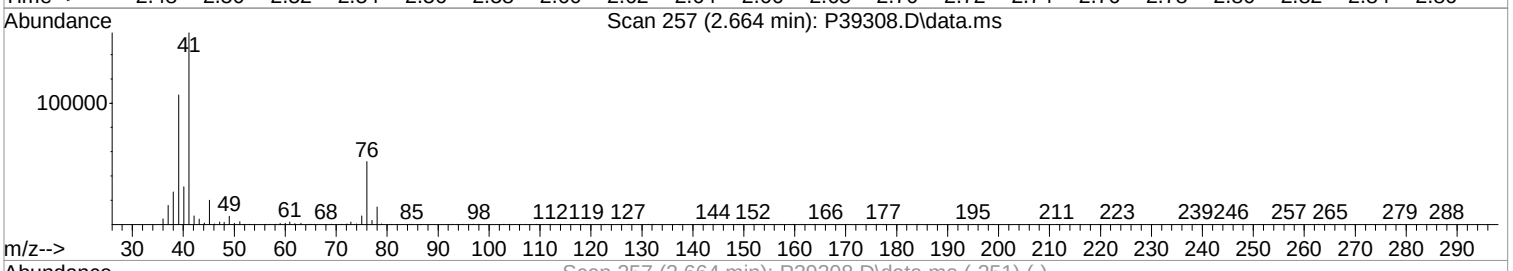
09/05/20

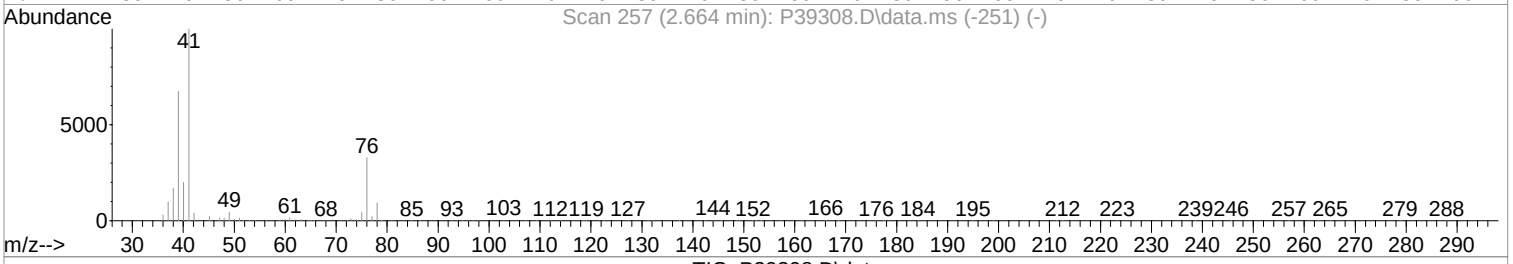
Quantitation Report (Qedit)

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:

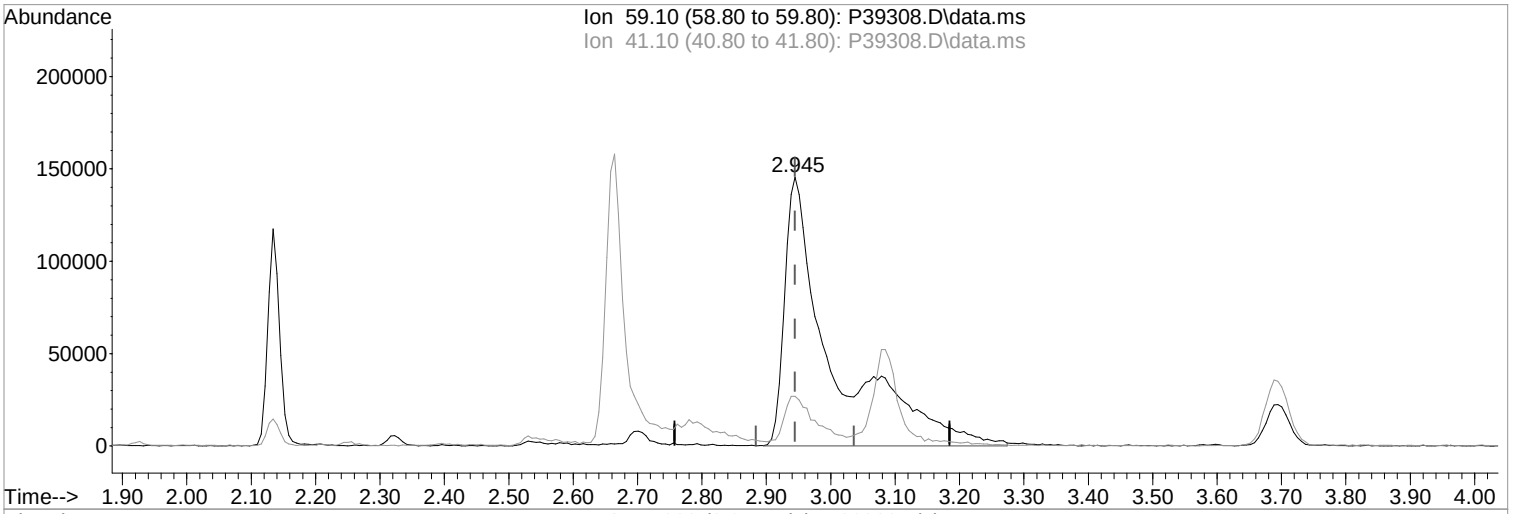
Before

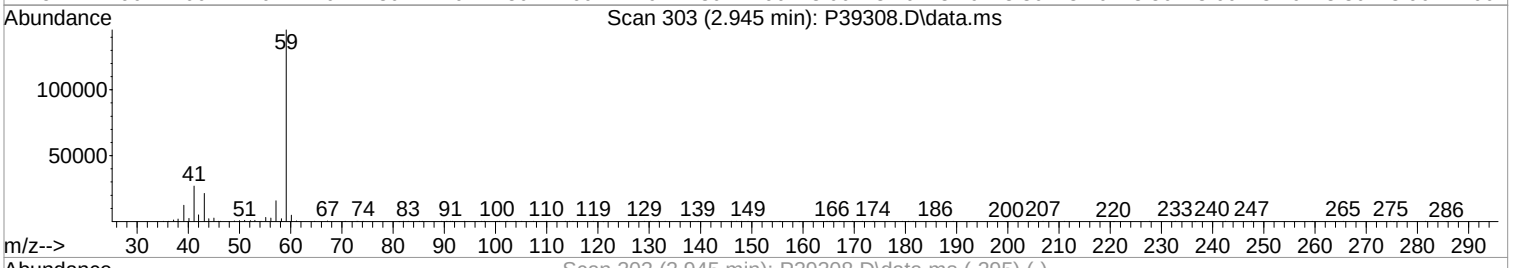
09/05/20

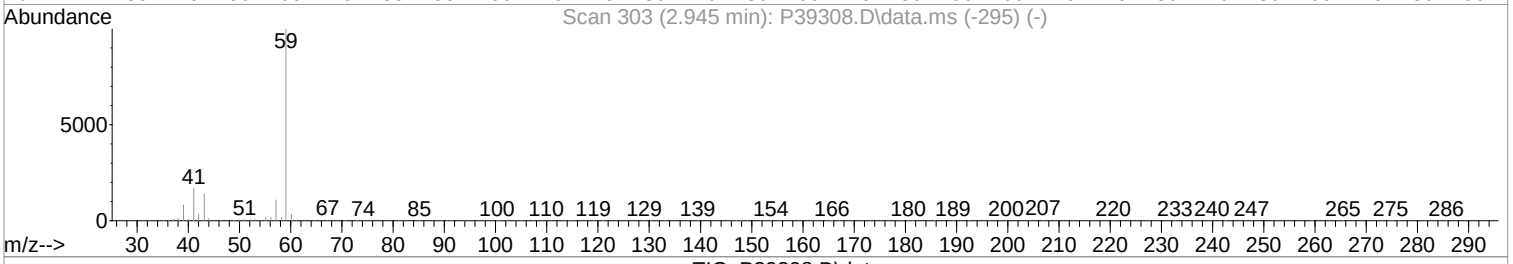
Quantitation Report (Qedit)

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.

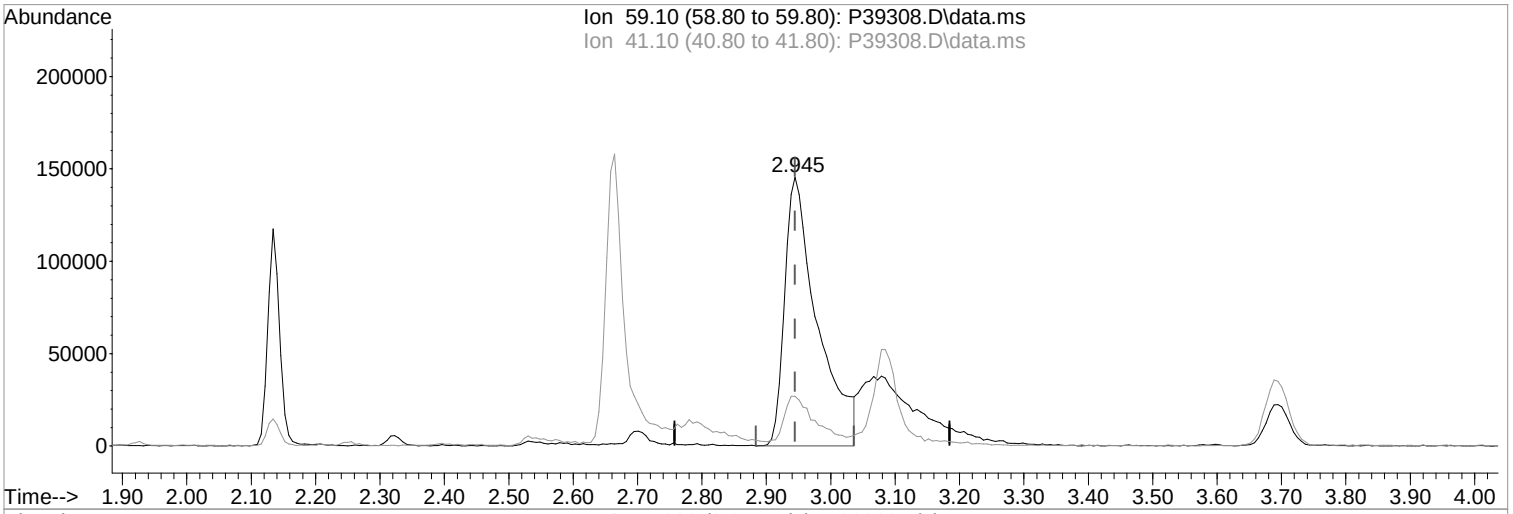
09/05/20

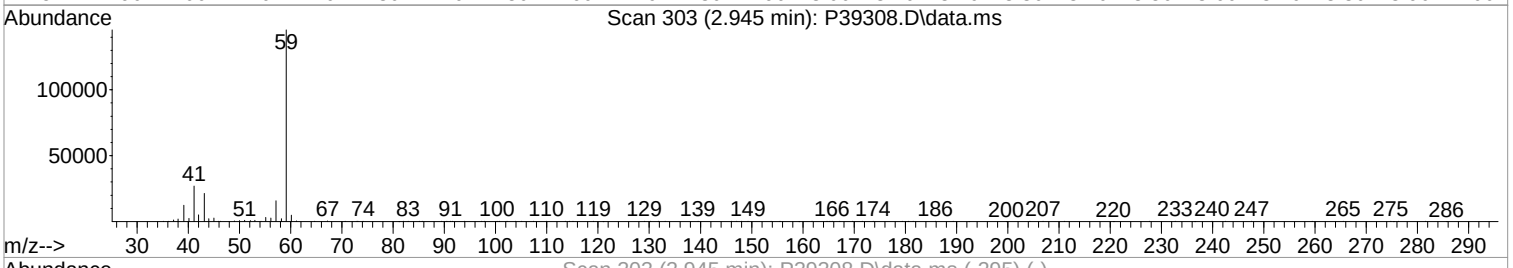
1st 09/05/20
2nd 09/05/20

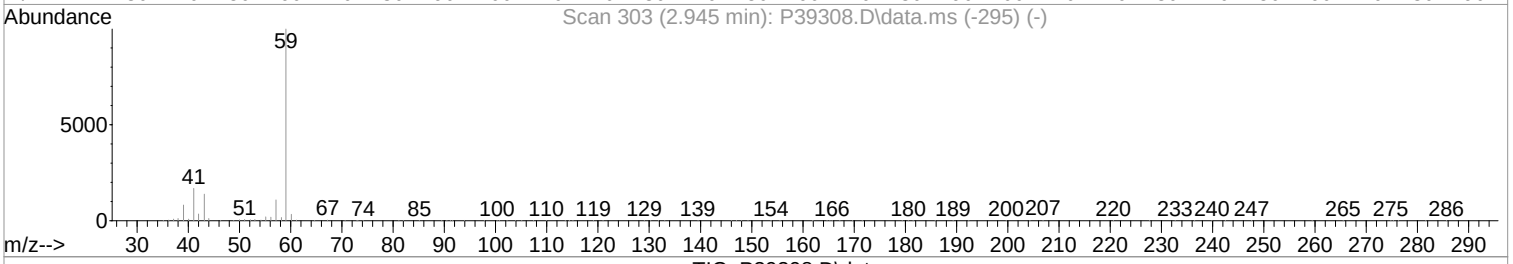
Quantitation Report (Qedit)

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) 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

1st 09/05/20
2nd 09/05/20

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

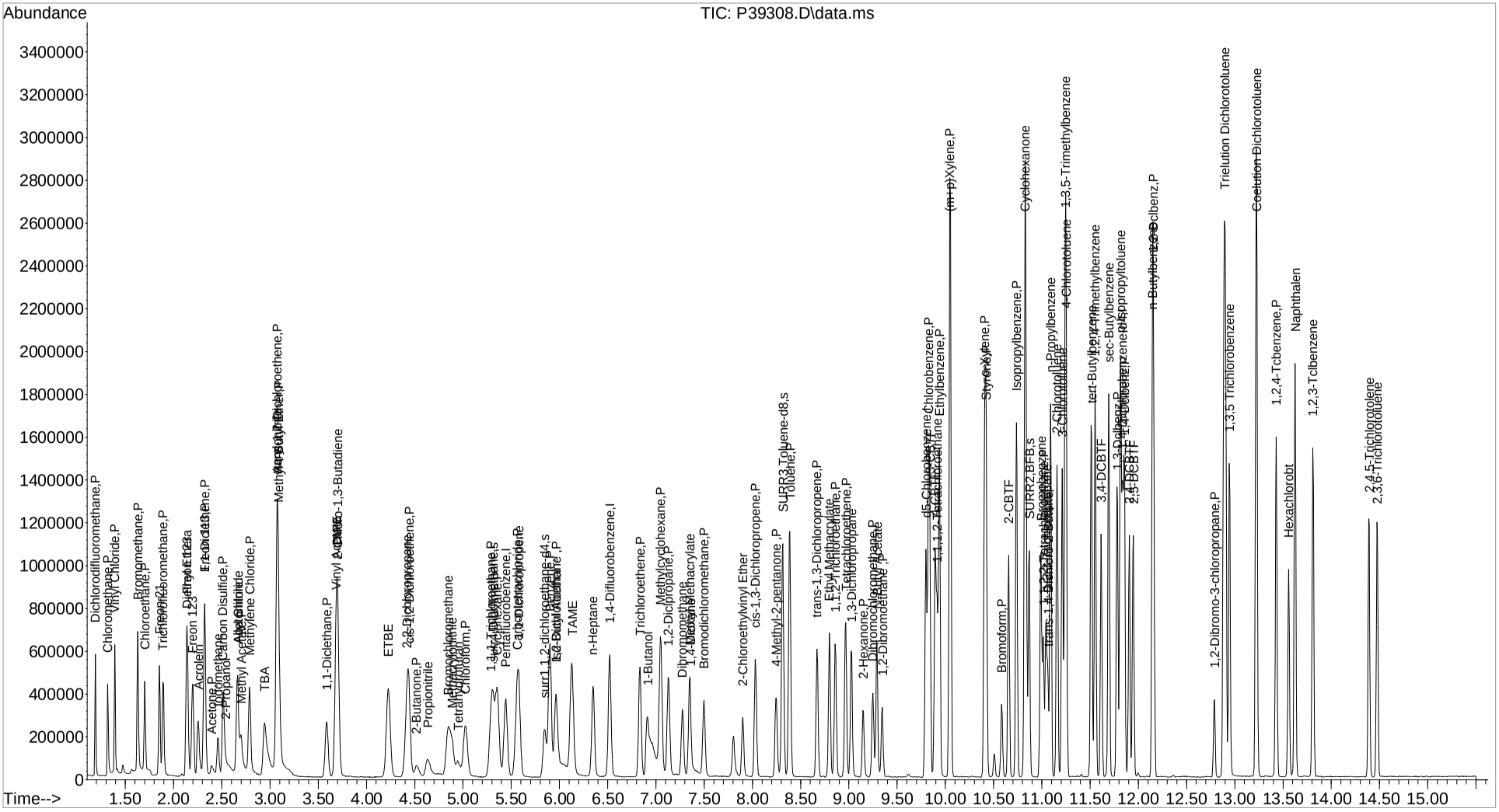
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.858	146	457570	50.17	ppb	100
107) 2,4-DCBTF	11.906	214	199929	51.56	ppb	100
108) 2,5-DCBTF	11.949	214	232607	52.00	ppb	100
109) n-Butylbenzene	12.144	91	758267	54.39	ppb	100
110) 1,2-Dclbenz	12.156	146	451489	50.63	ppb	100
111) 1,2-Dibromo-3-chloropr...	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

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

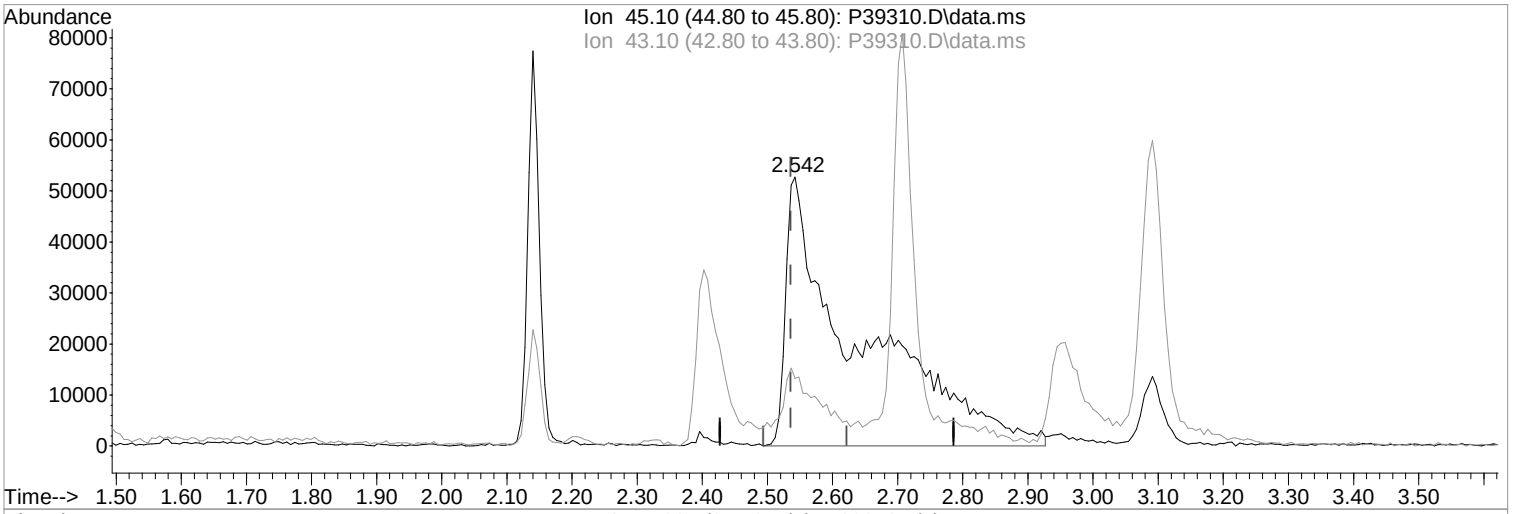


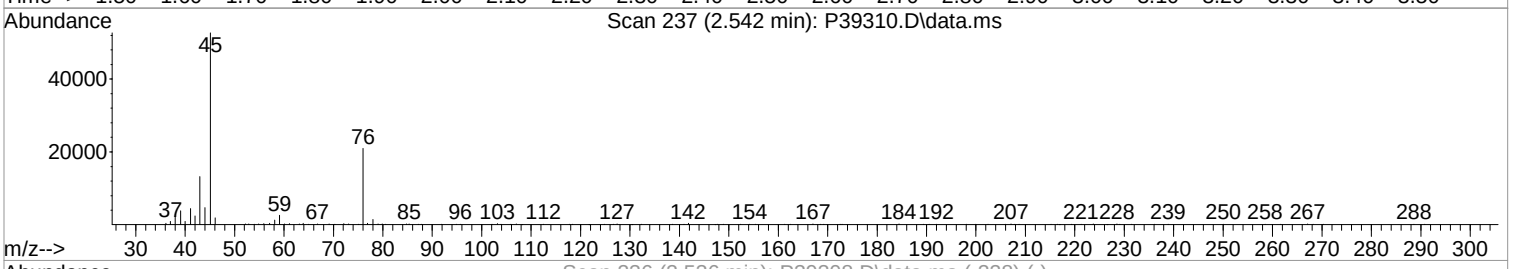
1st 09/05/20
2nd 09/05/20

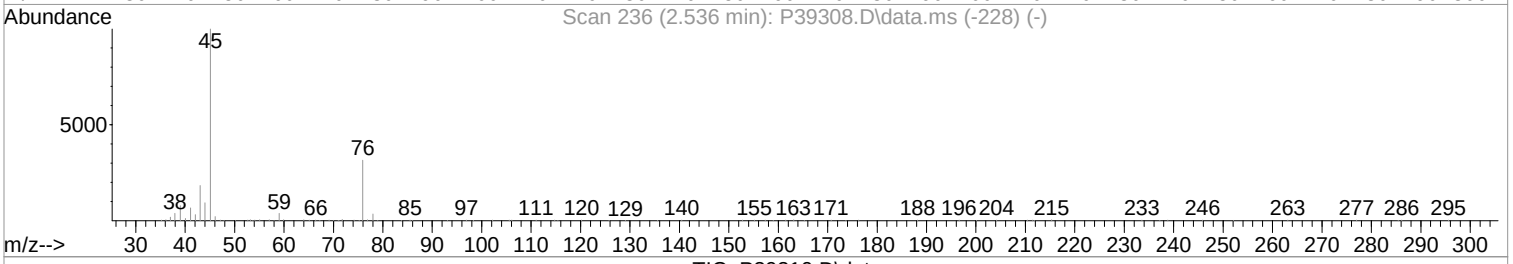
Quantitation Report (Qedit)

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.

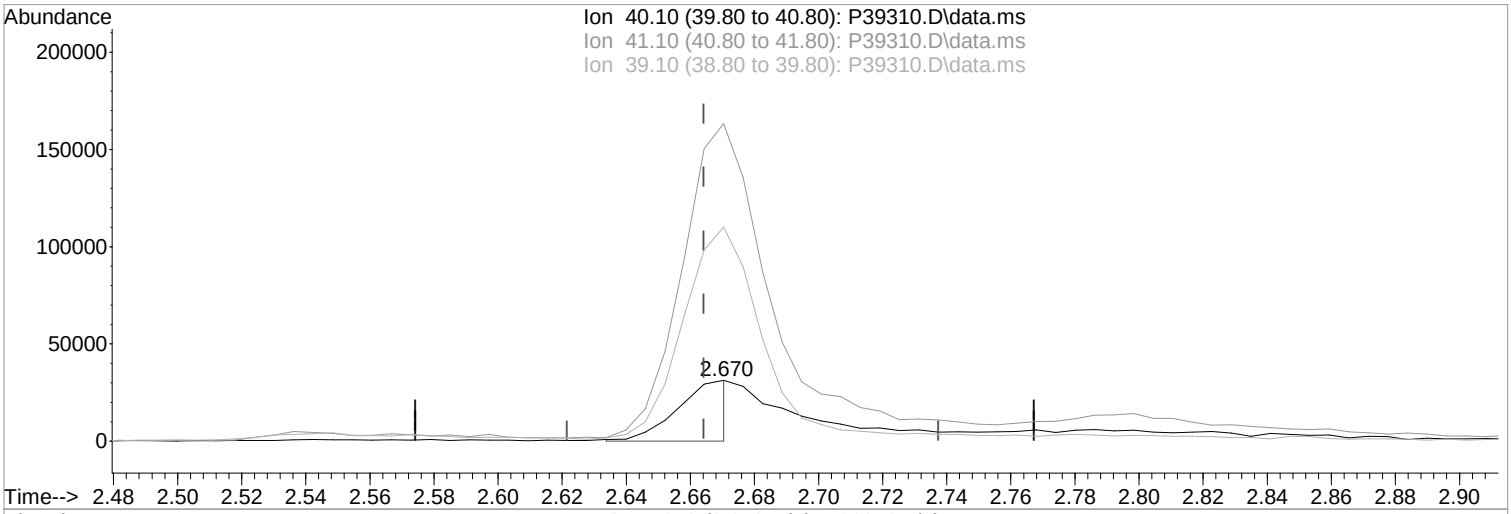
09/05/20

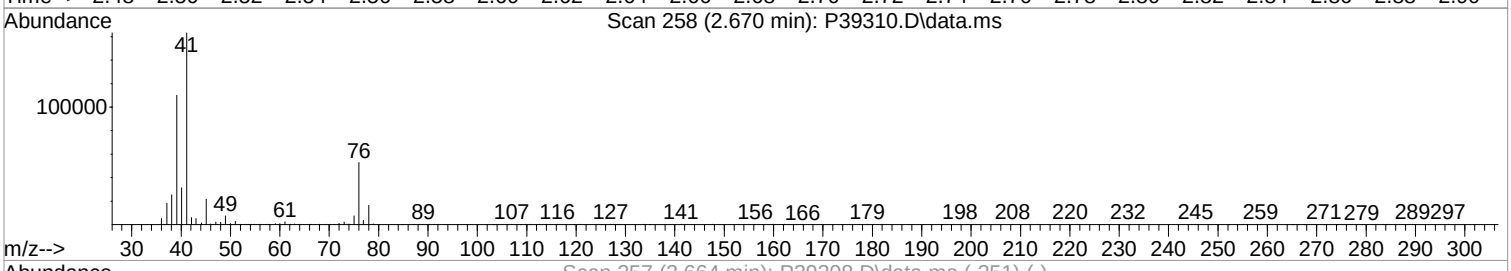
1st 09/05/20
2nd 09/05/20

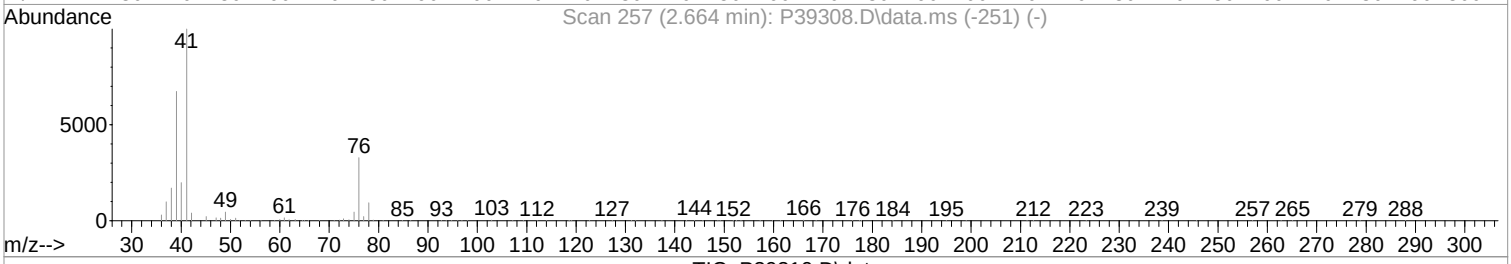
Quantitation Report (Qedit)

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

(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

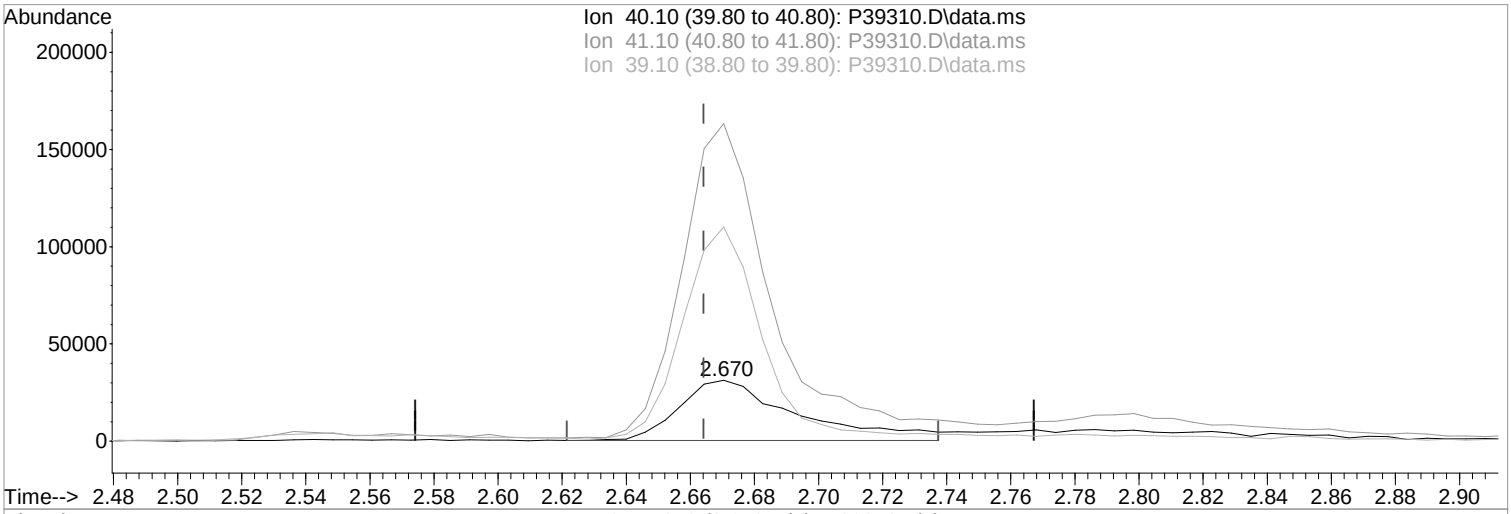
Poor integration.

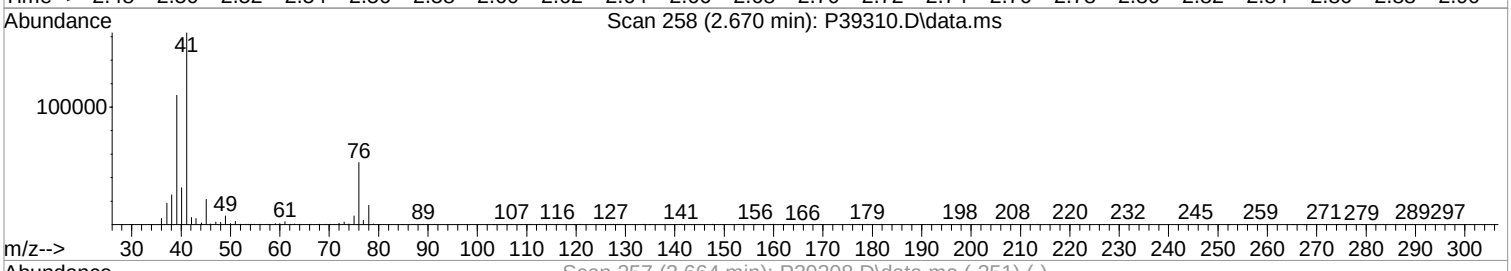
09/05/20

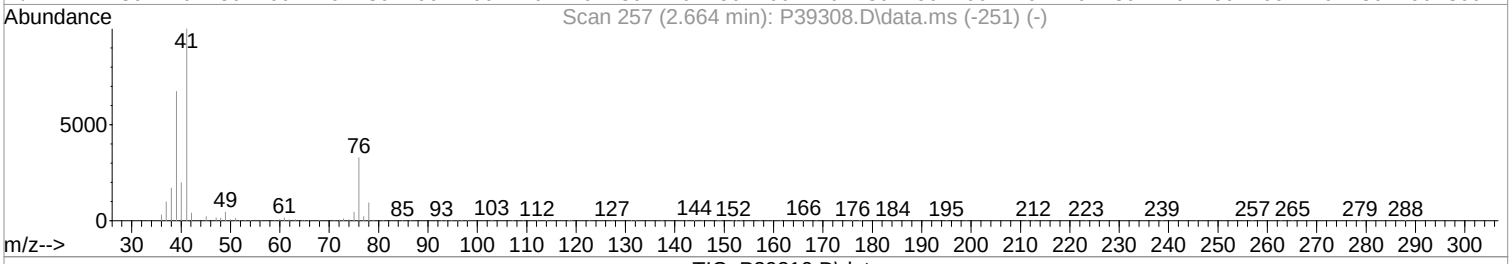
Quantitation Report (Qedit)

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

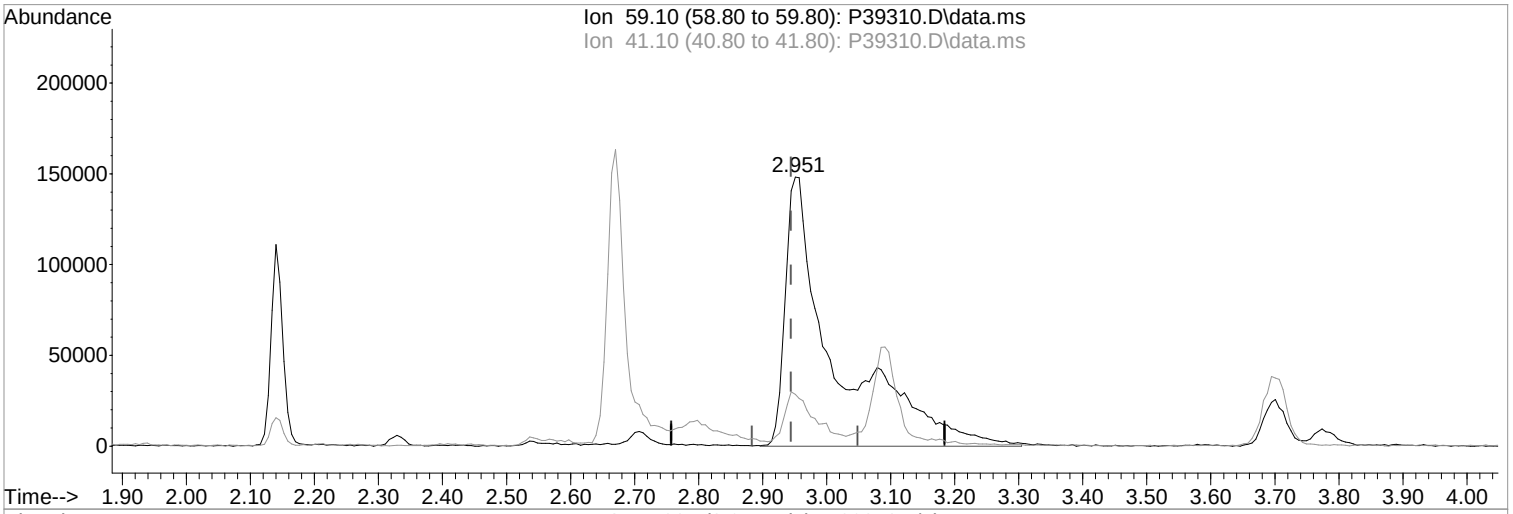
09/05/20

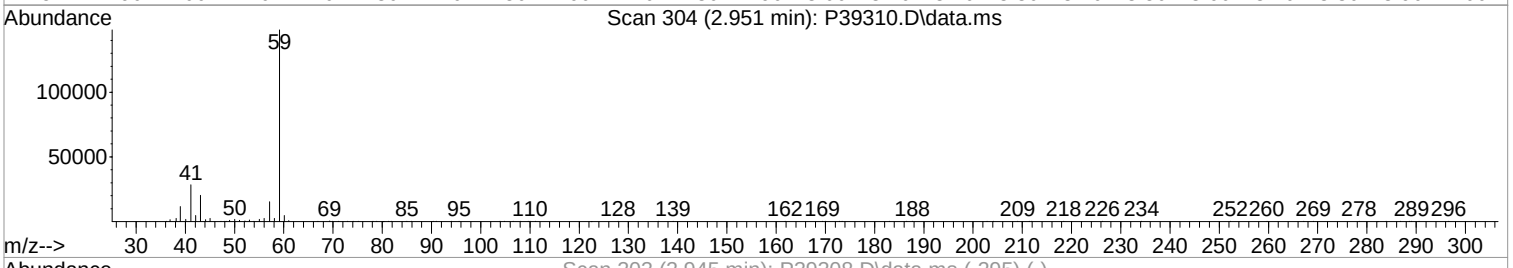
1st 09/05/20
2nd 09/05/20

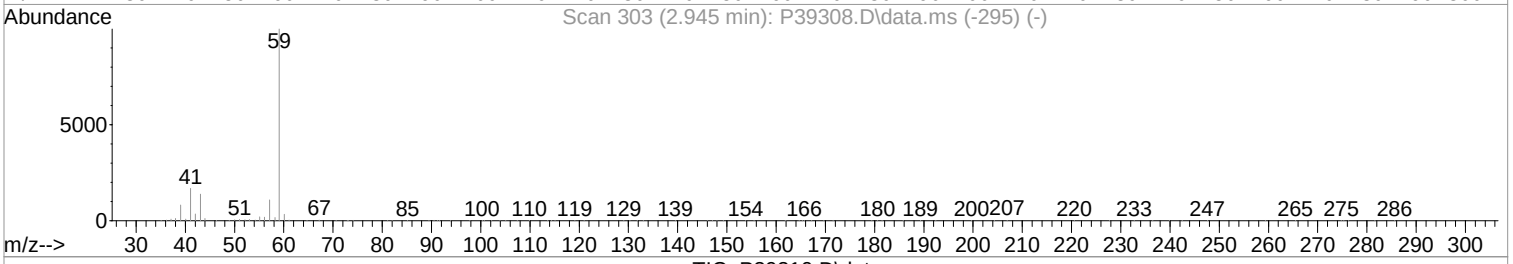
Quantitation Report (Qedit)

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.

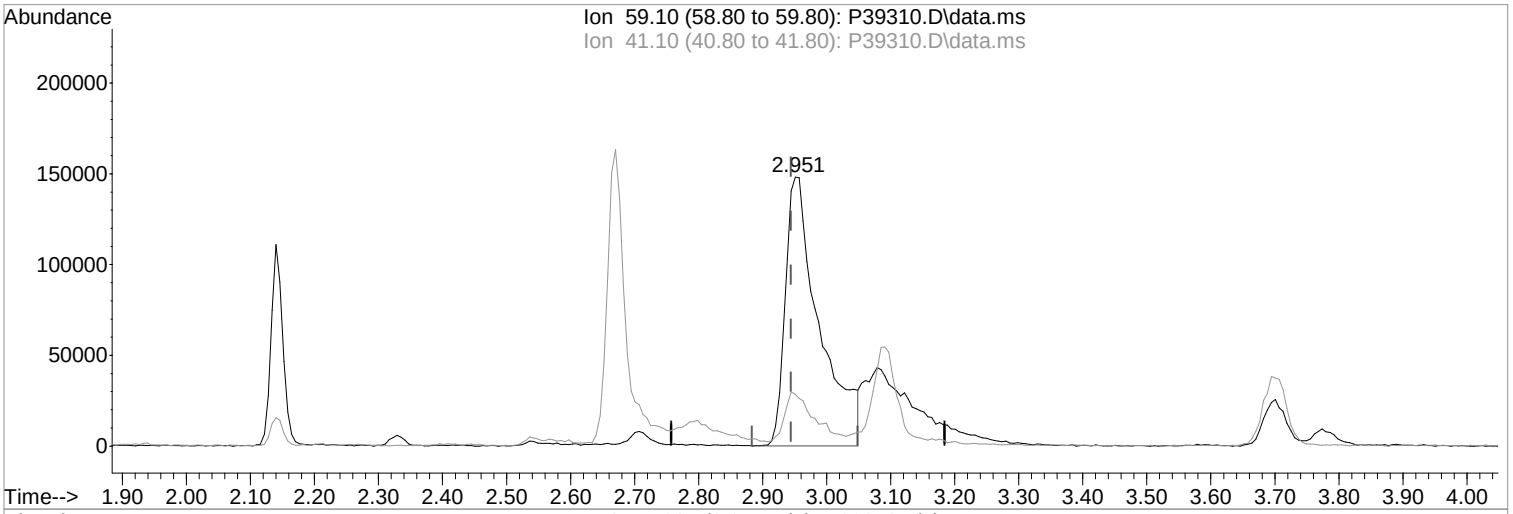
09/05/20

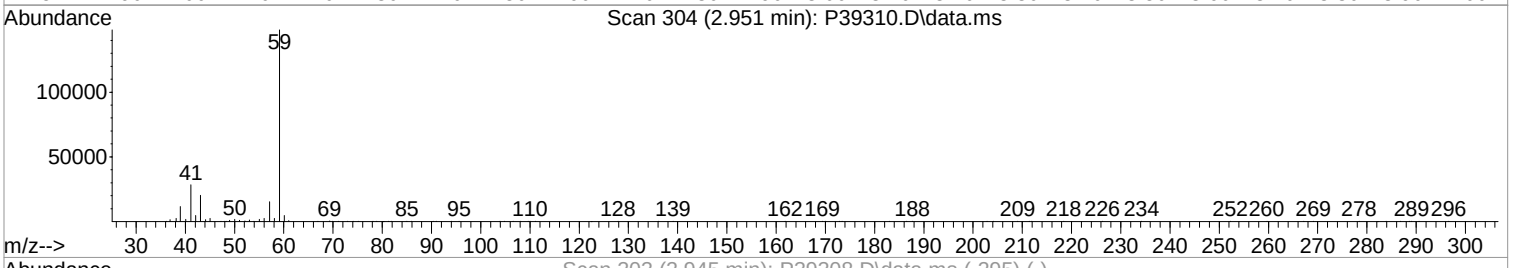
1st 09/05/20
2nd 09/05/20

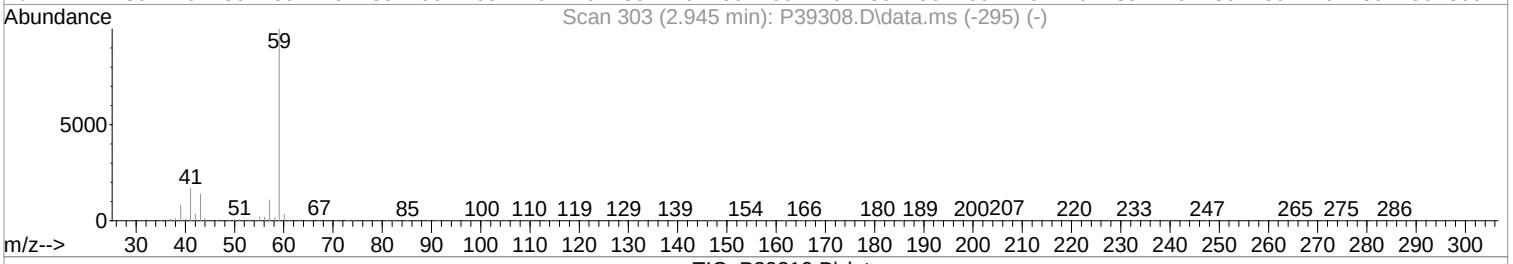
Quantitation Report (Qedit)

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) 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

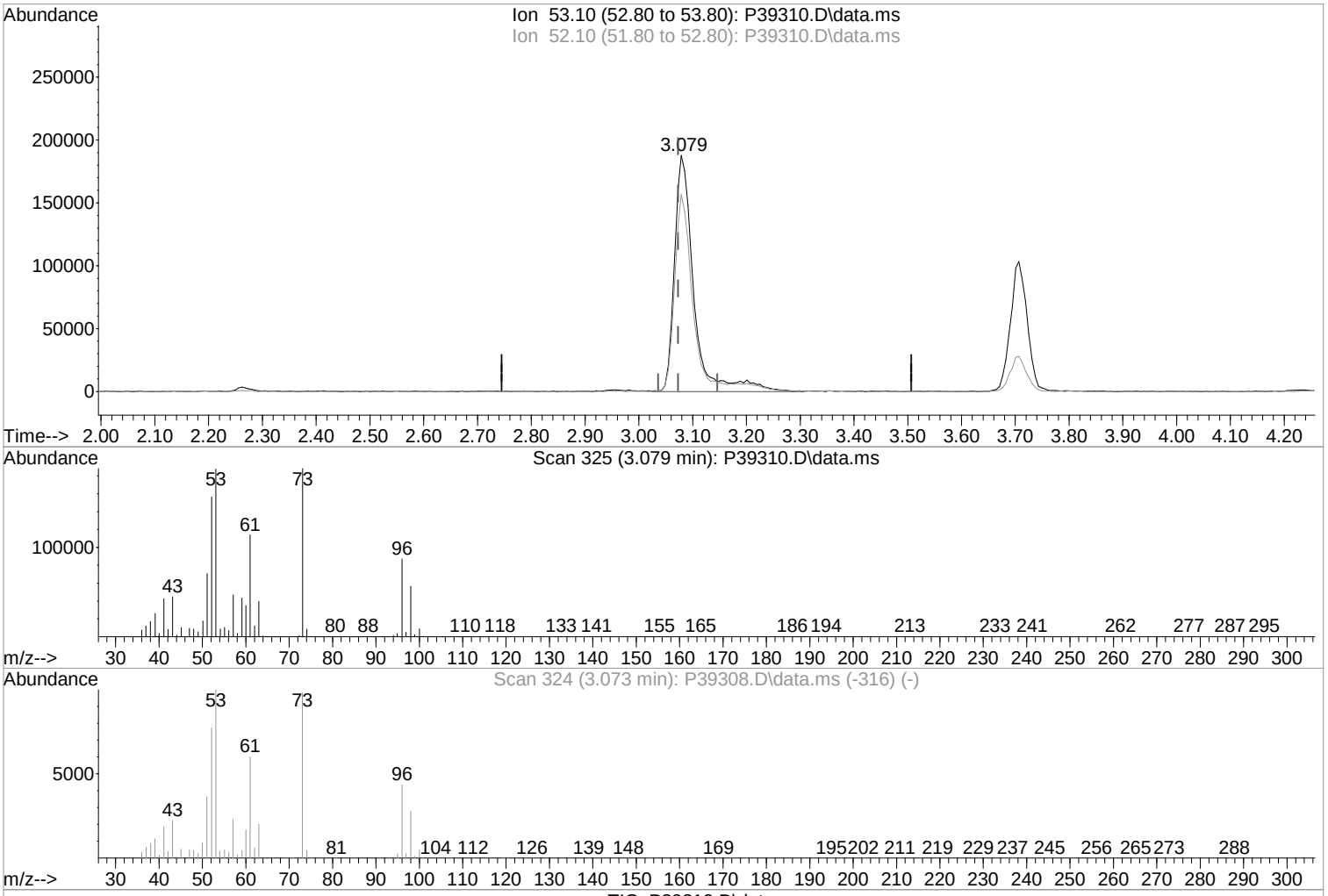
09/05/20

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.

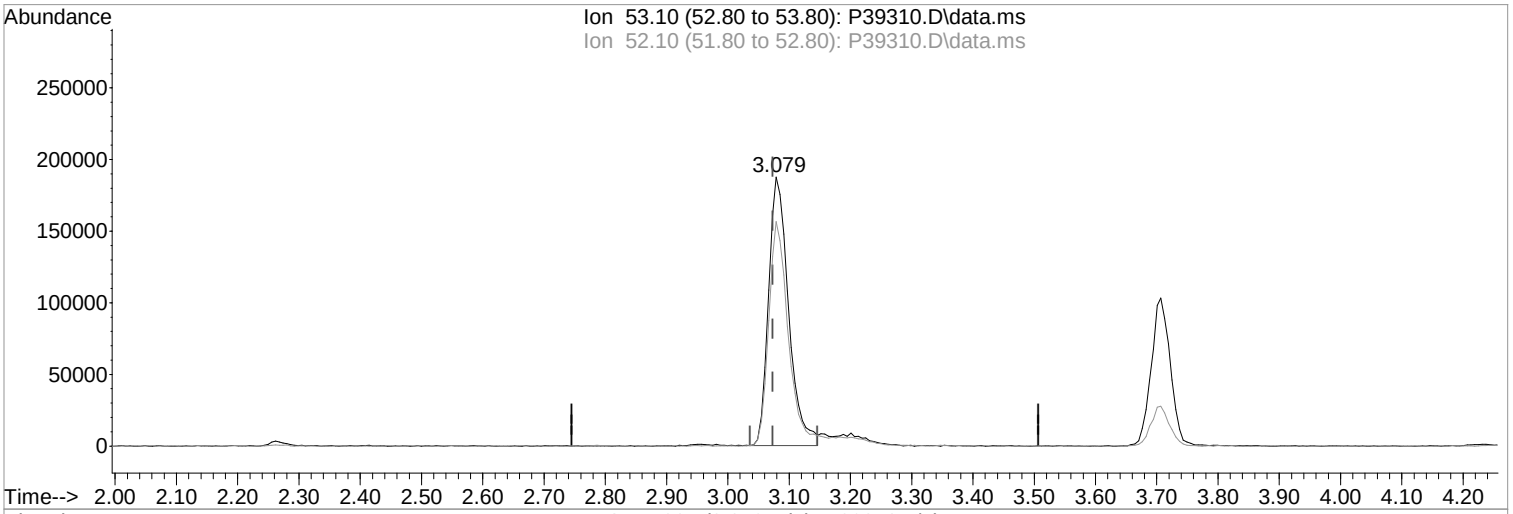
09/05/20

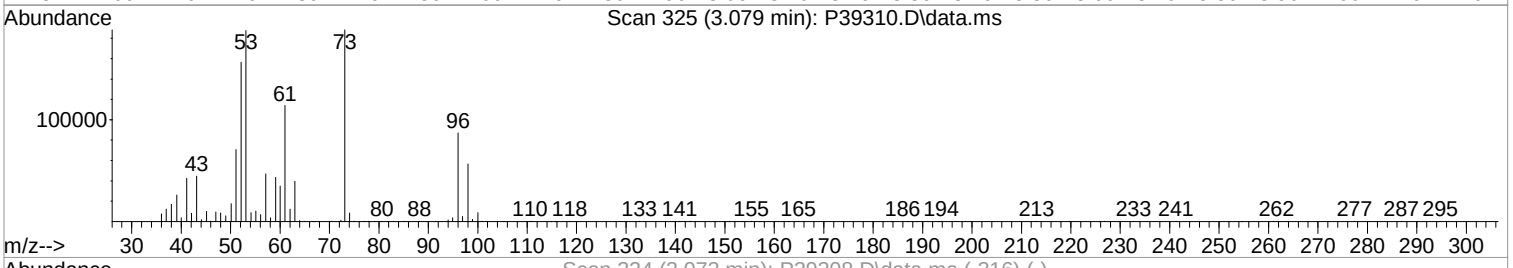
1st 09/05/20
2nd 09/05/20

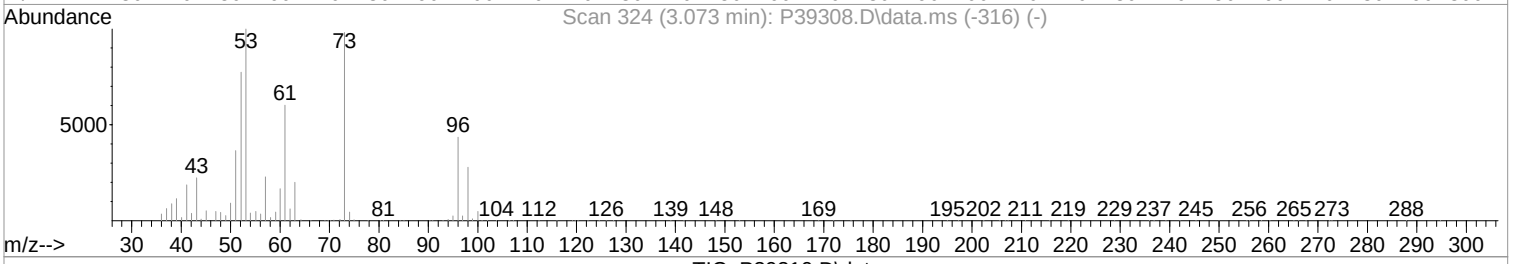
Quantitation Report (Qedit)

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) 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

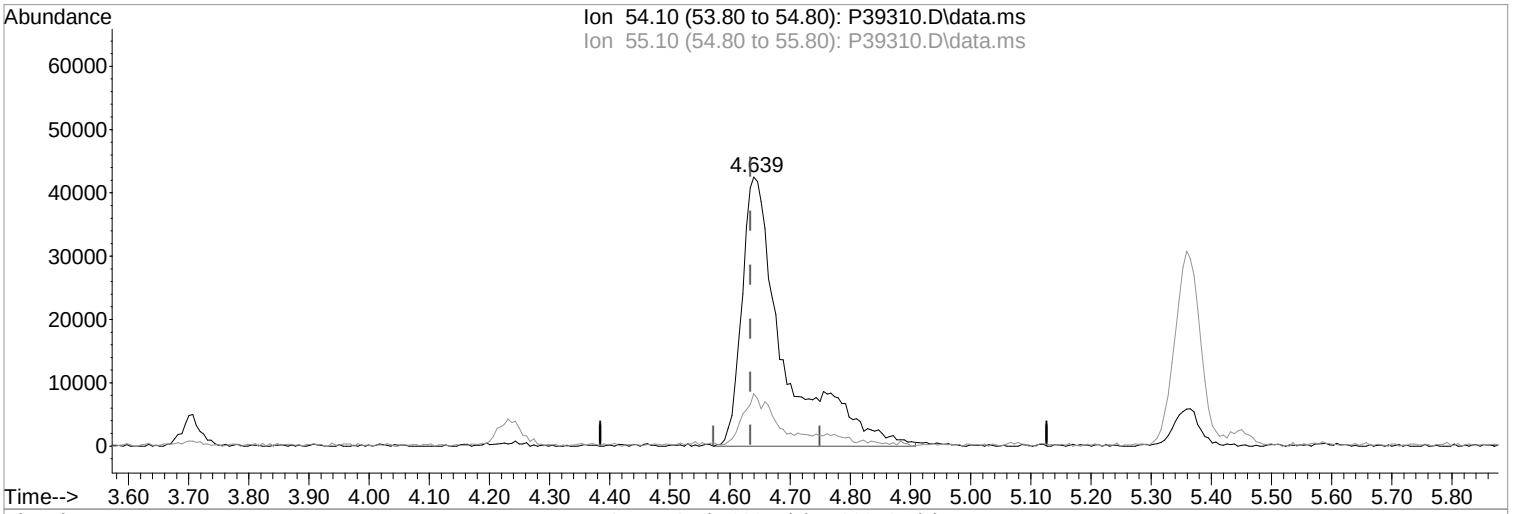
09/05/20

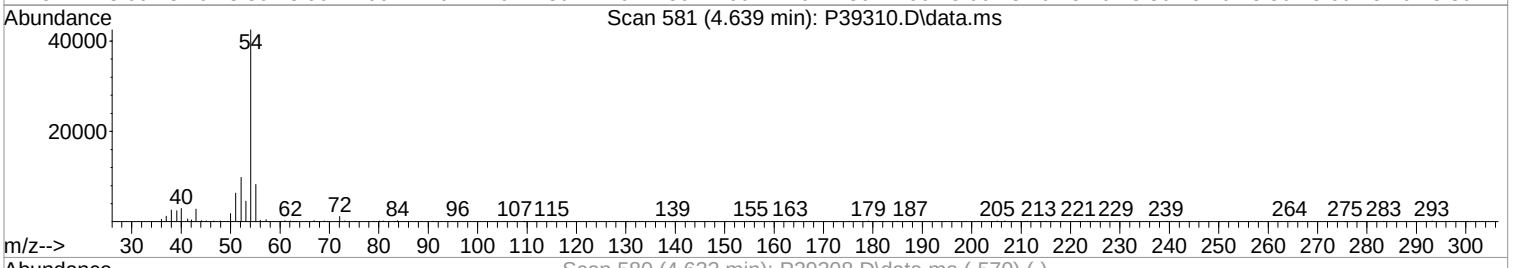
1st 09/05/20
2nd 09/05/20

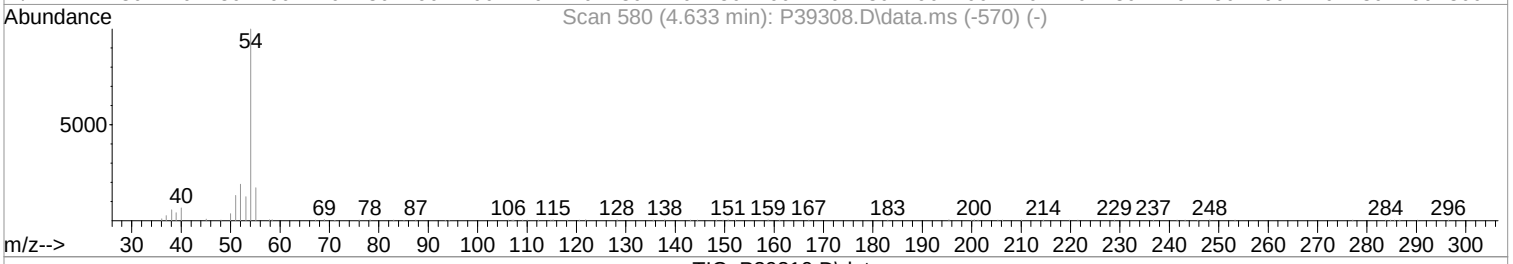
Quantitation Report (Qedit)

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) 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.

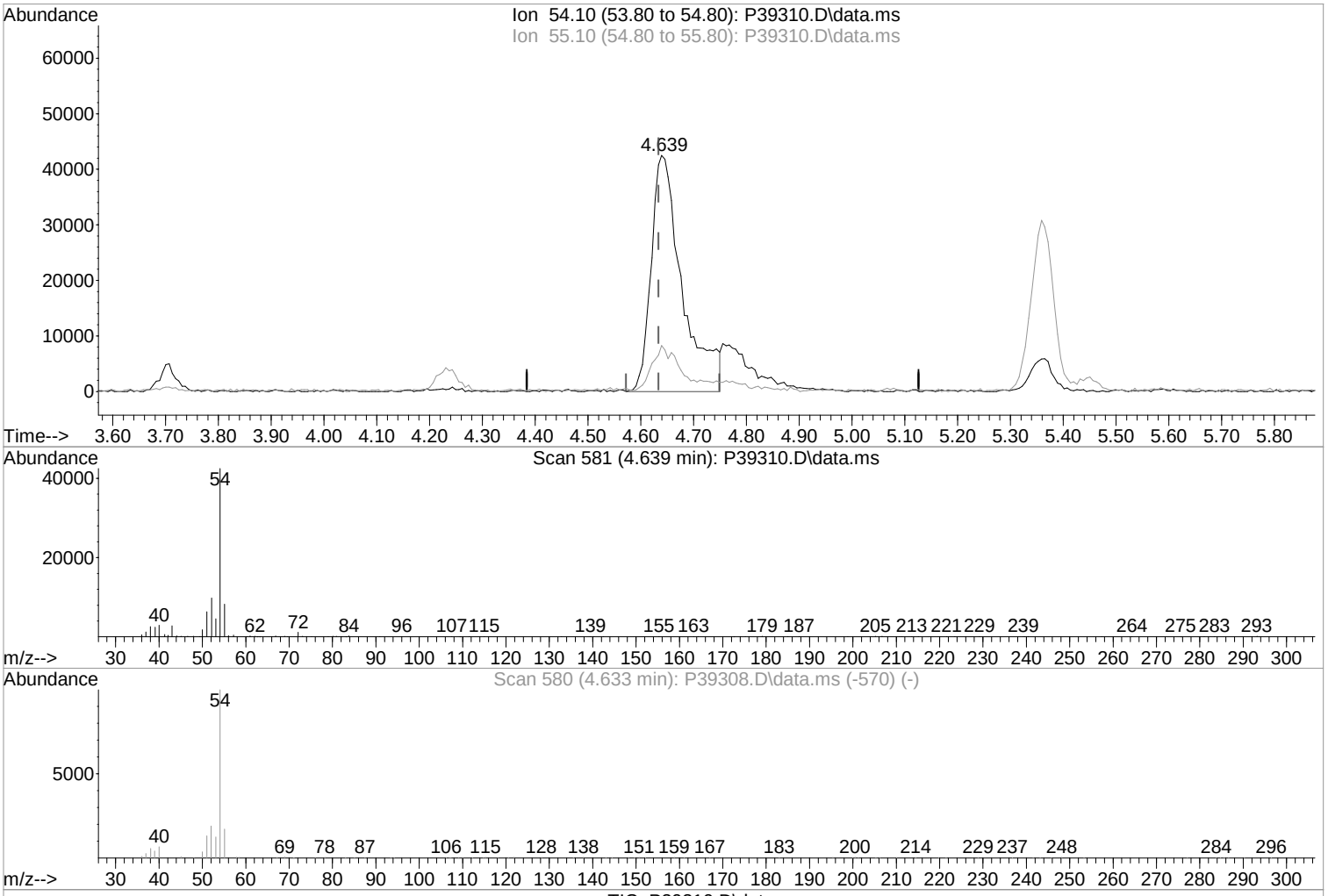
09/05/20

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

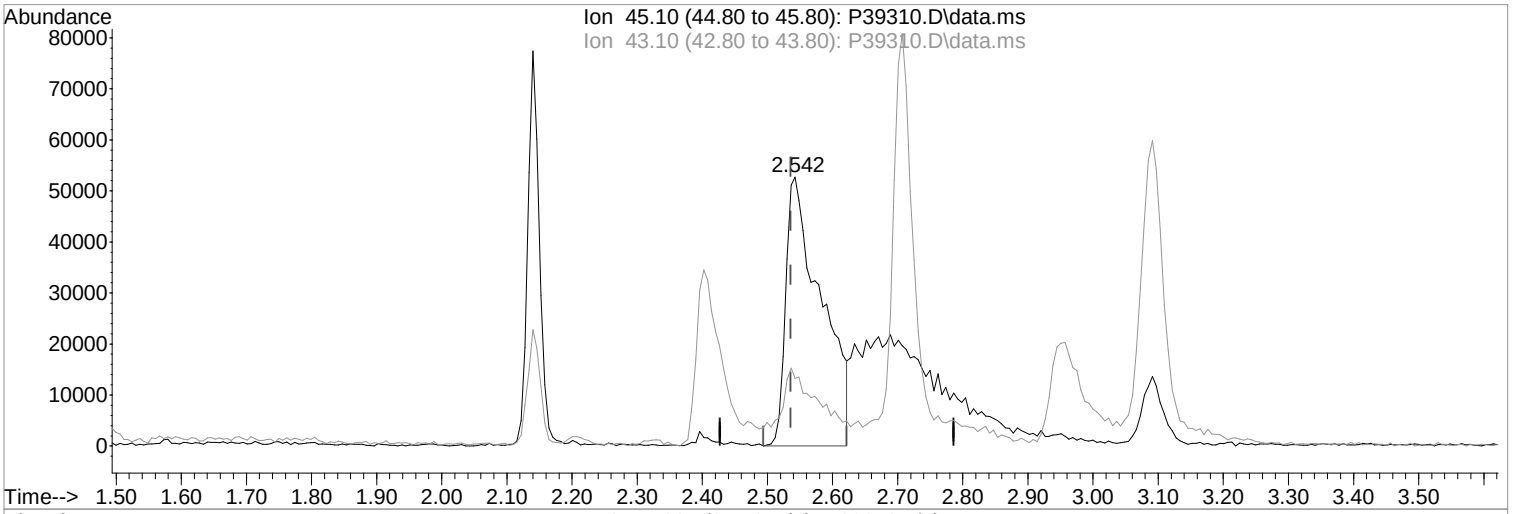
09/05/20

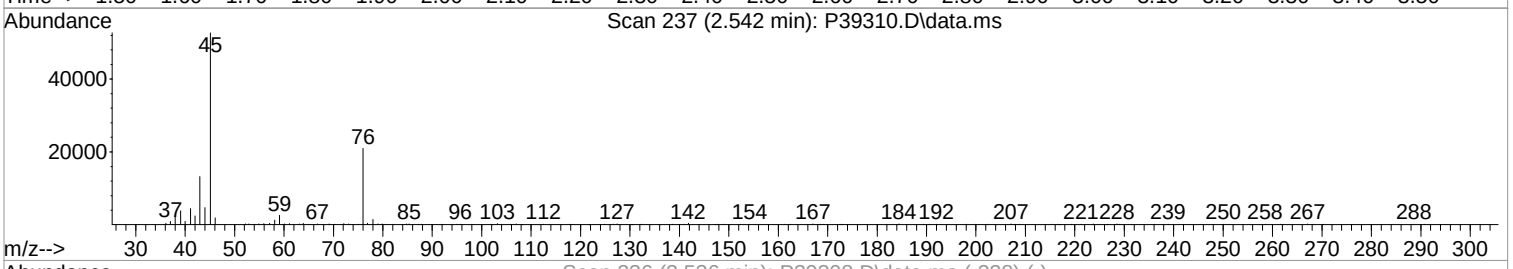
1st 09/05/20
2nd 09/05/20

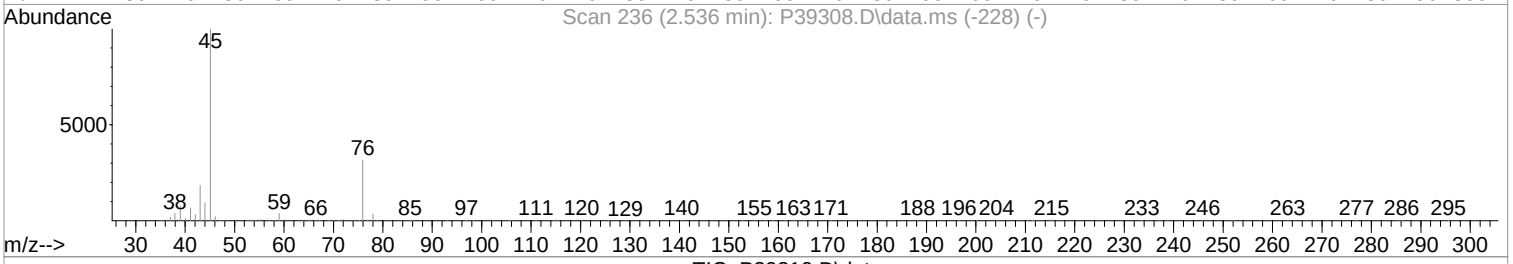
Quantitation Report (Qedit)

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) 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:** R2008511
Project: Dover - Binghamton **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:** R2008511
Project: Dover - Binghamton **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:** R2008511
Project: Dover - Binghamton **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:** R2008511
Project: Dover - Binghamton **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 - Binghamton/5101.0003

Service Request: R2008511
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 - Binghamton/5101.0003

Service Request: R2008511
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:**R2008511
Project: Dover - Binghamton/5101.0003

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\	TB 09142020	R2008511-001	9/17/2020	23:09:00	
I:\ACQUDATA\msvoa12\Data\091720\P39760.D\	FB 09142020	R2008511-009	9/17/2020	23:31:00	
I:\ACQUDATA\msvoa12\Data\091720\P39761.D\	MW-10 09142020	R2008511-003	9/17/2020	23:52:00	
I:\ACQUDATA\msvoa12\Data\091720\P39762.D\	TMP-A 09142020	R2008511-004	9/18/2020	00:14:00	
I:\ACQUDATA\msvoa12\Data\091720\P39763.D\	MW-9 09142020	R2008511-005	9/18/2020	00:36:00	
I:\ACQUDATA\msvoa12\Data\091720\P39764.D\	DMW-3 09142020	R2008511-007	9/18/2020	00:58:00	
I:\ACQUDATA\msvoa12\Data\091720\P39765.D\	MW-17 09142020	R2008511-008	9/18/2020	01:20:00	
I:\ACQUDATA\msvoa12\Data\091720\P39766.D\	MW-13 09142020	R2008511-011	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\	MW-8 09142020	R2008511-010	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:**R2008511
Project: Dover - Binghamton/5101.0003

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\	MW-17 09142020 MS	RQ2010894-07	9/18/2020	06:48:00	
I:\ACQUDATA\msvoa12\Data\091720\P39781.D\	MW-17 09142020 DMS	RQ2010894-08	9/18/2020	07:10:00	

Client: Verina Consulting Group, LLC **Service Request:**R2008511
Project: Dover - Binghamton/5101.0003

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\	ZZZZZZZ	ZZZZZZZ	9/21/2020	17:10:00	
I:\ACQUDATA\msvoa12\Data\092120\P39875.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	17:31:00	
I:\ACQUDATA\msvoa12\Data\092120\P39876.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	17:53:00	
I:\ACQUDATA\msvoa12\Data\092120\P39877.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	18:15:00	
I:\ACQUDATA\msvoa12\Data\092120\P39878.D\	ZZZZZZZ	ZZZZZZZ	9/21/2020	18:37:00	
I:\ACQUDATA\msvoa12\Data\092120\P39879.D\	MW-8 09142020	R2008511-010	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:**R2008511
Project: Dover - Binghamton/5101.0003

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: 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	(7mA)			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 (7mA)	↓	↓	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	(7mA)	↓		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	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 + 50mls = CCV

200 Secondary Fr: 211481.5uL
500 Secondary Oct: 211504
Secondary T6: 212050
Secondary HSL: 212140
Secondary: ____
2mL
50mls = LCS

−10.6uL
4.2uL ✓
4.2 mL vial = MS/D

Surrogate 50: 212475
Internal Std 50: 212476
Reagents: ____

Analysis: 8260D Waters | Analyst: KAmest | pH strips: 221419 | Tune Method: WI090420

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	(and D) 10:11
1	CCV		02					P39857	YC	
1	LCS-FP		03					P39858	YQ	11DCE↑ + trans12DCE↑
1	BLK		—					P39859	Ⓨ	vpfc/b
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	5/50mL			2	LZ	P39879	Ⓨ	(DL) cis12DCE
19	R2008416-018	25	2/50mL	6813	4	2	LZ	P39880	Ⓨ	(DL) mek
20	019	200	1/200mL			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:

5.0 Primary Acct : 211502

Primary Fr+ : 2122880 — 5mL → 50mL

Primary TB : 212581 = CCV

Primary HSL : 212582

Primary

200 Secondary Fr+ : 211981 - 5mL

5.0 Secondary Acct : 211504

Secondary HSL : 212600 — 2mL

Secondary TB : 212050 = LCS

Secondary

-10.6mL / 4.2mL

4.2mL vial = MS/D

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 15:00
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-11 09142020	**Units:**	ug/L
Lab Code:	R2008511-002	**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 03:09	
1,1-Dichloroethane (1,1-DCA)	10 U	10	2.0	10	09/18/20 03:09	
1,1-Dichloroethene (1,1-DCE)	10 U	10	2.0	10	09/18/20 03:09	
Tetrachloroethene (PCE)	10 U	10	2.1	10	09/18/20 03:09	
Trichloroethene (TCE)	**5.0 J**	10	2.0	10	09/18/20 03:09	
Vinyl Chloride	10 U	10	2.0	10	09/18/20 03:09	
cis-1,2-Dichloroethene	10 U	10	2.3	10	09/18/20 03:09	
trans-1,2-Dichloroethene	10 U	10	2.0	10	09/18/20 03:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 03:09	
Dibromofluoromethane	91	89 - 119	09/18/20 03:09	
Toluene-d8	99	87 - 121	09/18/20 03:09	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20 16:15
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	MW-16 09142020	**Units:**	ug/L
Lab Code:	R2008511-006	**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)	**6.6**	1.0	0.20	1	09/18/20 02:04	
1,1-Dichloroethane (1,1-DCA)	**21**	1.0	0.20	1	09/18/20 02:04	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 02:04	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 02:04	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 02:04	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 02:04	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 02:04	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 02:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 02:04	
Dibromofluoromethane	94	89 - 119	09/18/20 02:04	
Toluene-d8	99	87 - 121	09/18/20 02:04	

Analytical Report

Client:	Verina Consulting Group, LLC	**Service Request:**	R2008511
Project:	Dover - Binghamton/5101.0003	**Date Collected:**	09/14/20
Sample Matrix:	Water	**Date Received:**	09/16/20 09:00
Sample Name:	DUP 09142020	**Units:**	ug/L
Lab Code:	R2008511-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**7.0**	1.0	0.20	1	09/18/20 02:25	
1,1-Dichloroethane (1,1-DCA)	**23**	1.0	0.20	1	09/18/20 02:25	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	09/18/20 02:25	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	09/18/20 02:25	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	09/18/20 02:25	
Vinyl Chloride	1.0 U	1.0	0.20	1	09/18/20 02:25	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	09/18/20 02:25	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	09/18/20 02:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	09/18/20 02:25	
Dibromofluoromethane	92	89 - 119	09/18/20 02:25	
Toluene-d8	102	87 - 121	09/18/20 02:25	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39770.D
Acq On : 18 Sep 2020 3:09 am
Operator : K.Ruest
Sample : R2008511-002|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 22 14:18:39 2020 diluted for matrix
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

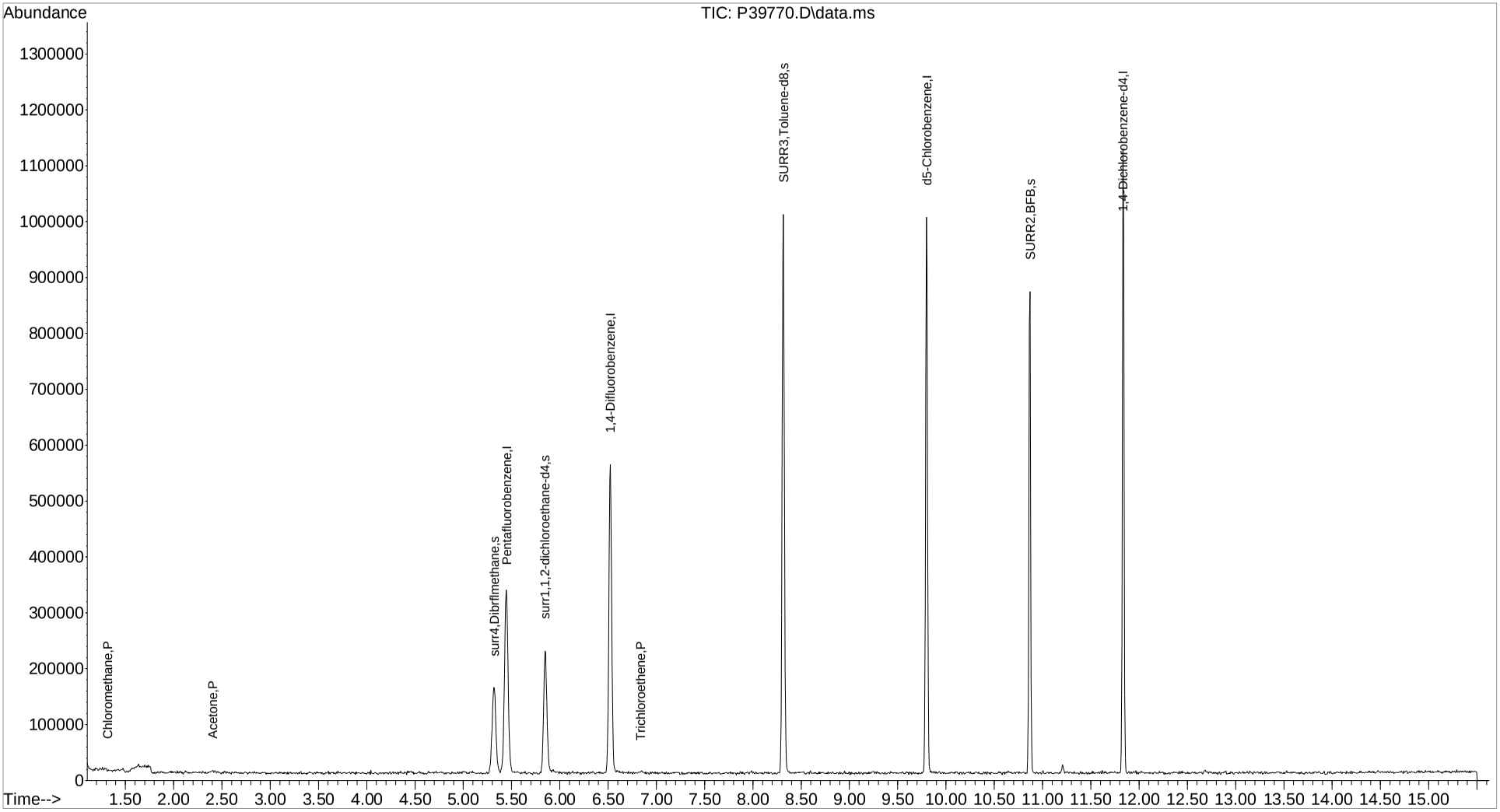
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	287296	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	474956	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	429740	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	213282	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	126982	45.55	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 91.10%				
48) surr1,1,2-dichloroetha...	5.846	65	187675	50.43	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.86%				
65) SURR3,Toluene-d8	8.316	98	628742	49.62	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.24%				
70) SURR2,BFB	10.870	95	227889	46.37	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 92.74%				
Target Compounds							Qvalue
3) Chloromethane	1.317	50	864	0.22	ppb		94
15) Acetone	2.402	43	6488	4.69	ppb		84
54) Trichloroethene	6.834	130	1779	0.50	ppb	#	84

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

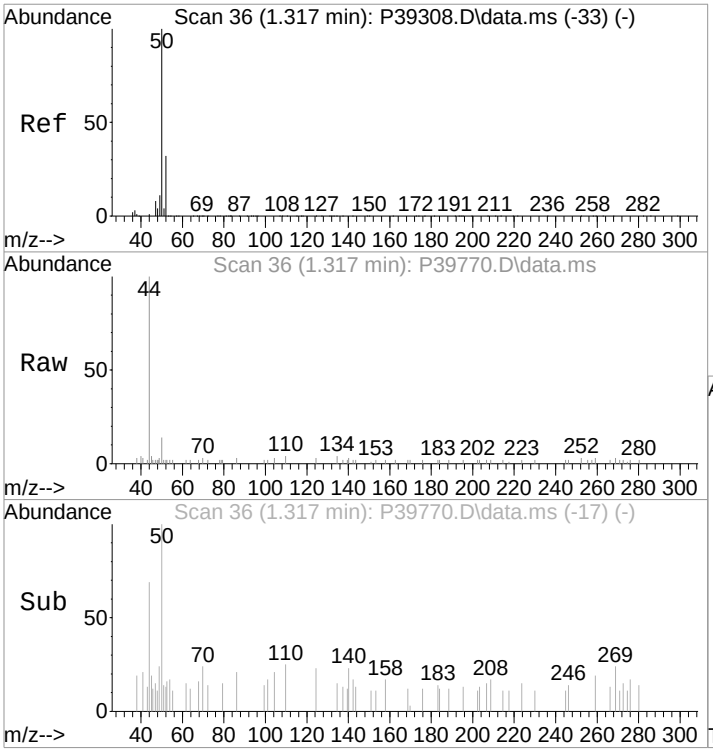
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39770.D
Acq On : 18 Sep 2020 3:09 am
Operator : K.Ruest
Sample : R2008511-002|10 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 22 14:18:39 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



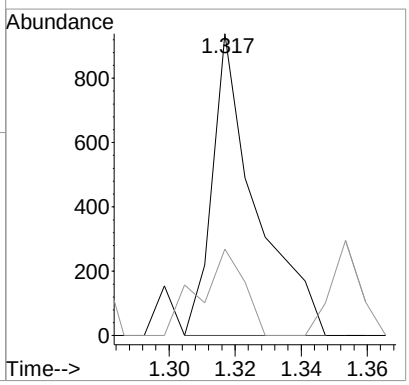
1st 09/22/20
2nd 09/22/20

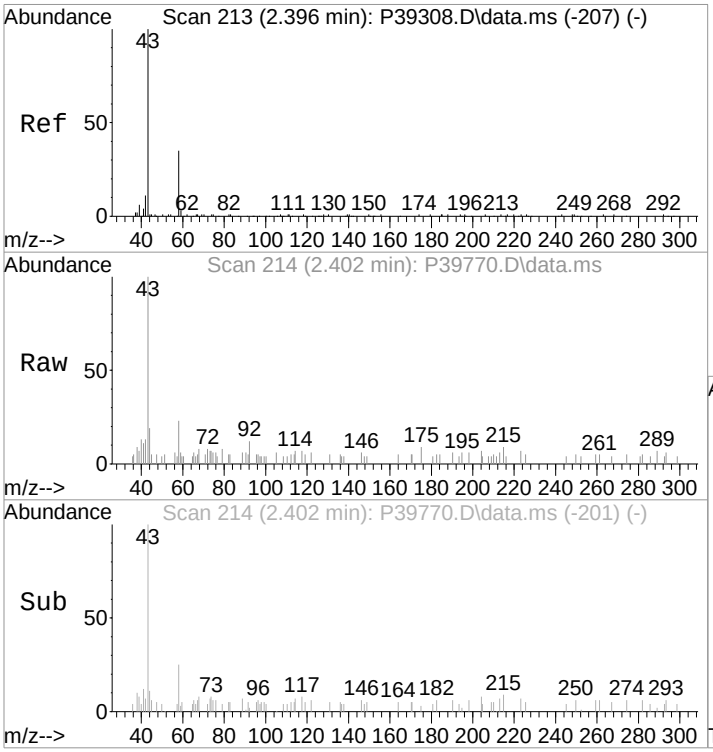


#3
Chloromethane
Concen: 0.22 ppb
RT: 1.317 min Scan# 36
Delta R.T. -0.000 min
Lab File: P39770.D
Acq: 18 Sep 2020 3:09 am

Tgt Ion: 50 Resp: 864

Ion	Ratio	Lower	Upper
50	100		
52	28.6	12.1	52.1

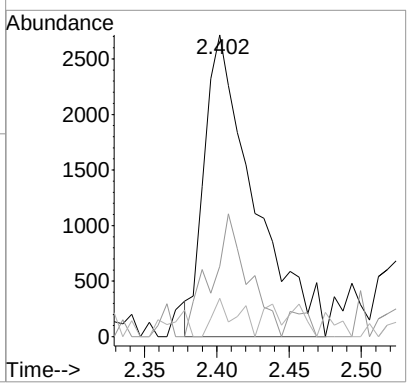


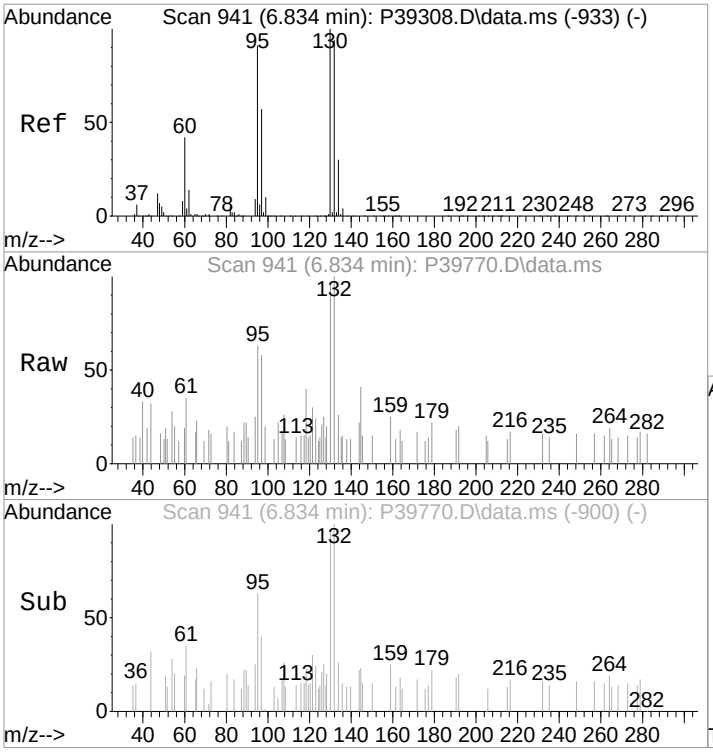


#15
Acetone
Concen: 4.69 ppb
RT: 2.402 min Scan# 214
Delta R.T. 0.006 min
Lab File: P39770.D
Acq: 18 Sep 2020 3:09 am

Tgt Ion: 43 Resp: 6488

Ion	Ratio	Lower	Upper
43	100		
58	23.4	14.8	54.8
42	12.7	0.0	31.4

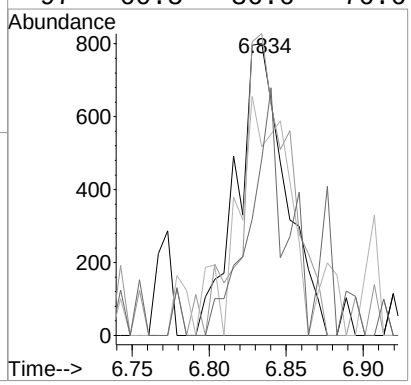




#54
Trichloroethene
Concen: 0.50 ppb
RT: 6.834 min Scan# 941
Delta R.T. -0.000 min
Lab File: P39770.D
Acq: 18 Sep 2020 3:09 am

Tgt Ion:130 Resp: 1779

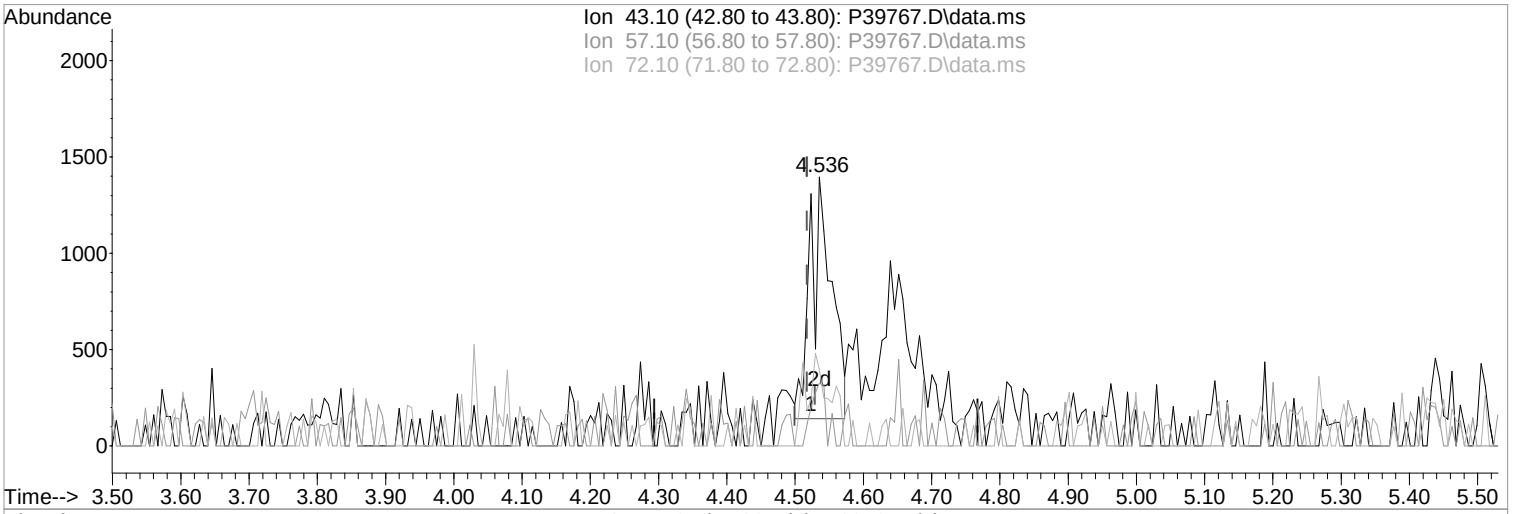
Ion	Ratio	Lower	Upper
130	100		
132	103.5	73.9	113.9
95	64.8	71.2	111.2#
97	60.5	36.6	76.6

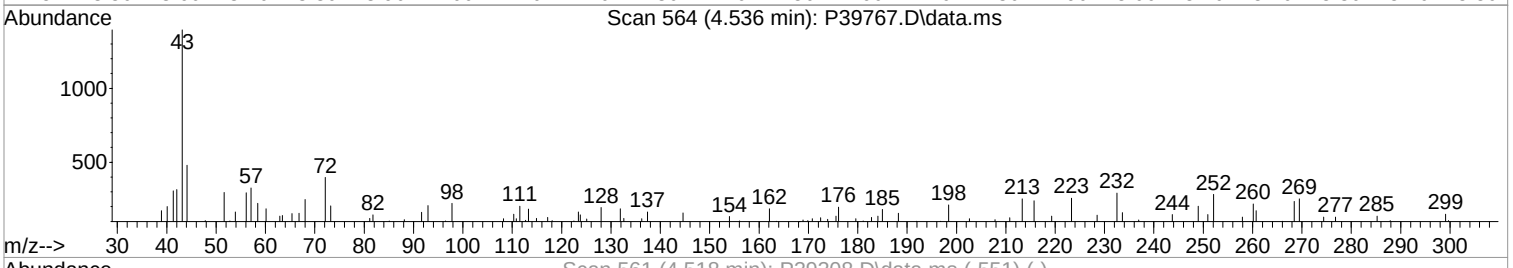


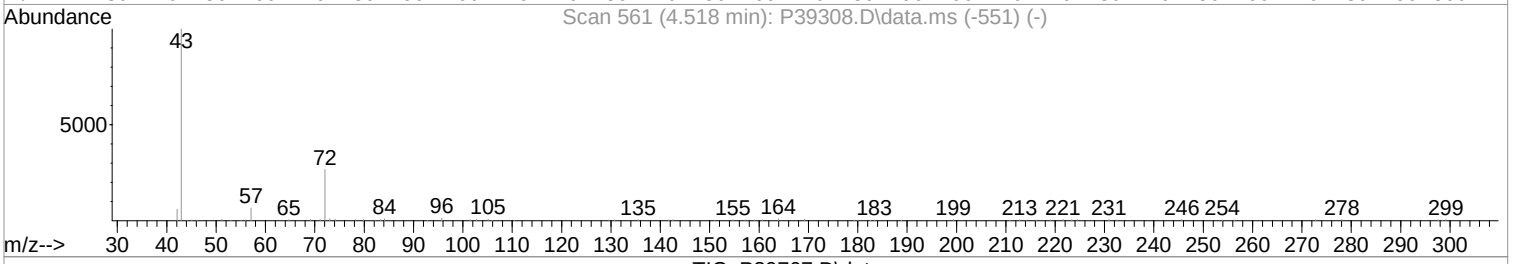
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39767.D
Acq On : 18 Sep 2020 2:04 am
Operator : K.Ruest
Sample : R2008511-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 18 10:25:45 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: P39767.D\data.ms

(35) 2-Butanone (P)

4.536min (+0.018) 1.49 ppb m

response 2718

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	23.35
72.10	28.40	28.44
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

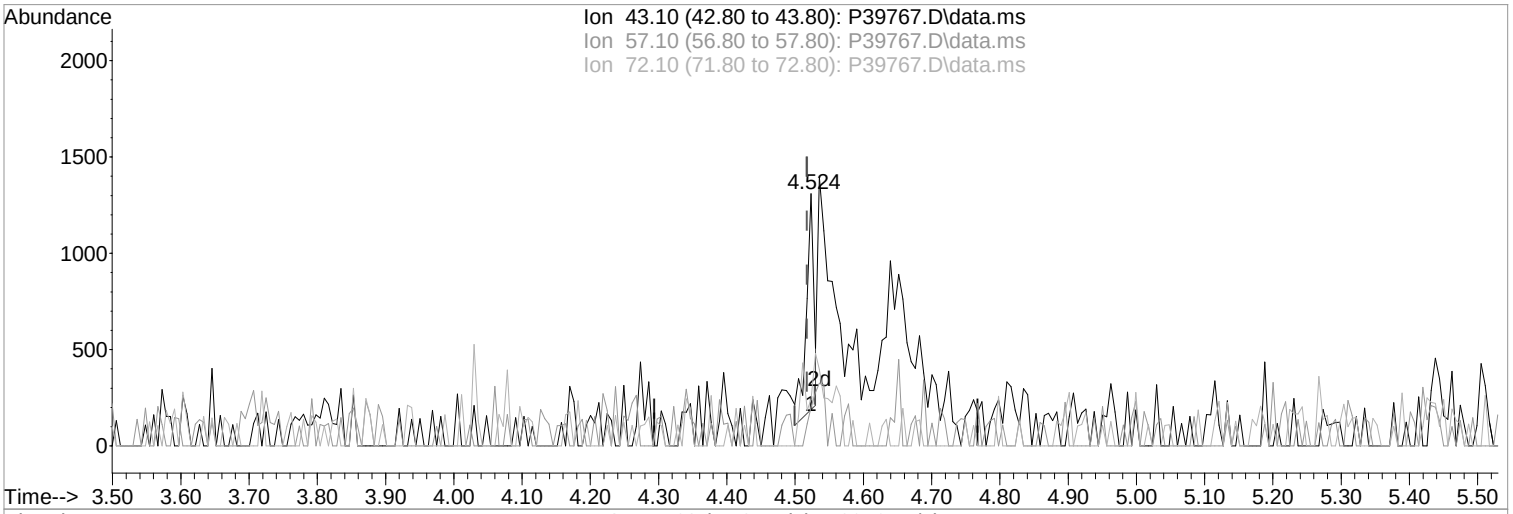
09/22/20

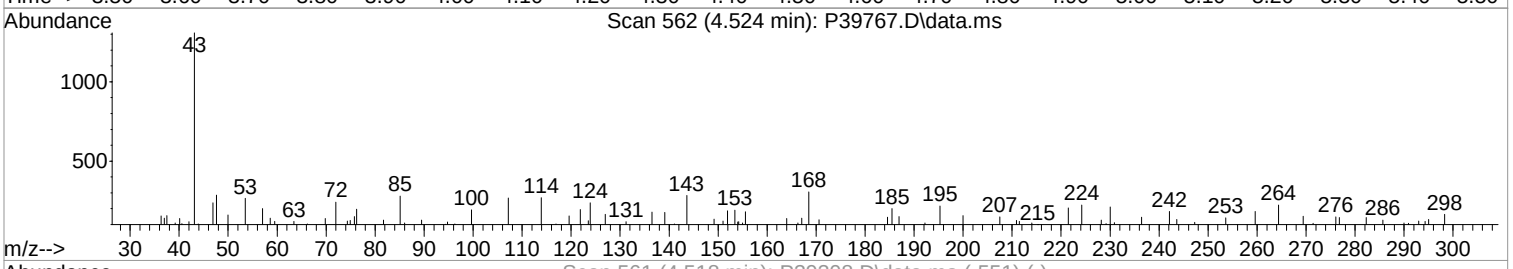
1st 09/22/20
2nd 09/22/20

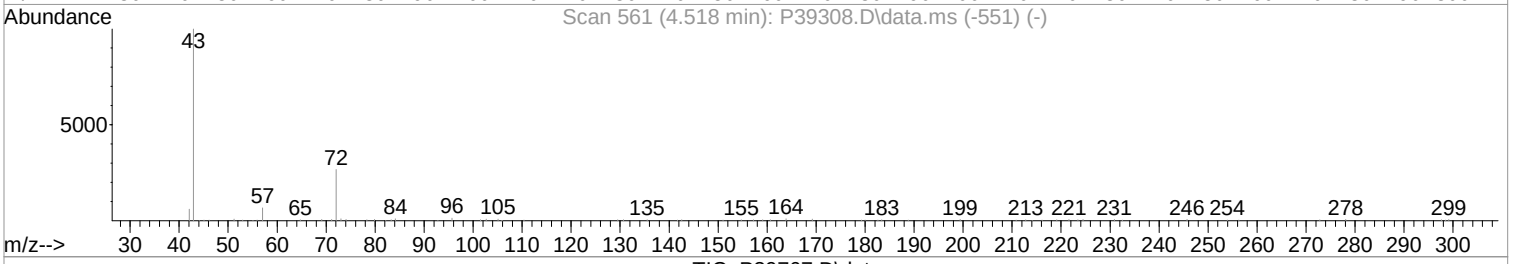
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39767.D
Acq On : 18 Sep 2020 2:04 am
Operator : K.Ruest
Sample : R2008511-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 18 10:25:45 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: P39767.D\data.ms

(35) 2-Butanone (P)

4.524min (+0.006) 0.48 ppb

response 877

Ion	Exp%	Act%
43.10	100	100
57.10	6.90	15.34
72.10	28.40	18.40
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 : P39767.D
Acq On : 18 Sep 2020 2:04 am
Operator : K.Ruest
Sample : R2008511-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 22 14:12:11 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

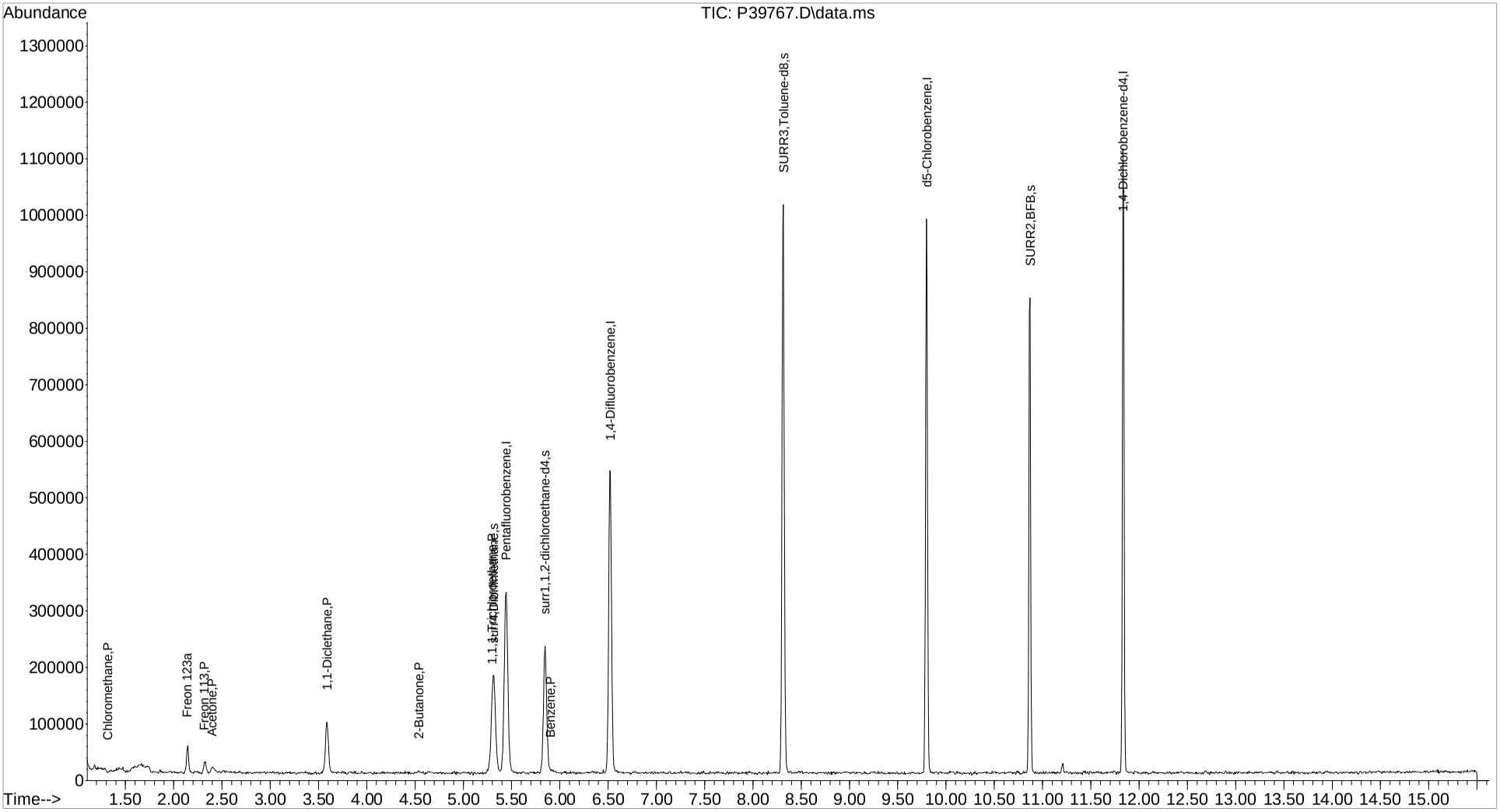
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.444	168	280071	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	473428	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	430204	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.833	152	205802	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.316	113	131155	47.20	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 94.40%				
48) surr1,1,2-dichloroetha...	5.846	65	189129	50.98	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.96%				
65) SURR3,Toluene-d8	8.315	98	628097	49.73	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.46%				
70) SURR2,BFB	10.870	95	227870	46.51	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.02%				
Target Compounds							Qvalue
3) Chloromethane	1.317	50	776	0.20	ppb		74
10) Freon 123a	2.140	67	19382	6.41	ppb	#	75
14) Freon 113	2.317	101	7142	3.07	ppb	#	63
15) Acetone	2.396	43	16131	11.96	ppb		92
28) 1,1-Diclethane	3.585	63	96858	21.15	ppb		94
35) 2-Butanone	4.536	43	2718m	1.49	ppb		
41) 1,1,1-Trichloroethane	5.298	97	28723	6.62	ppb		94
49) Benzene	5.901	78	3311	0.26	ppb	#	60

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

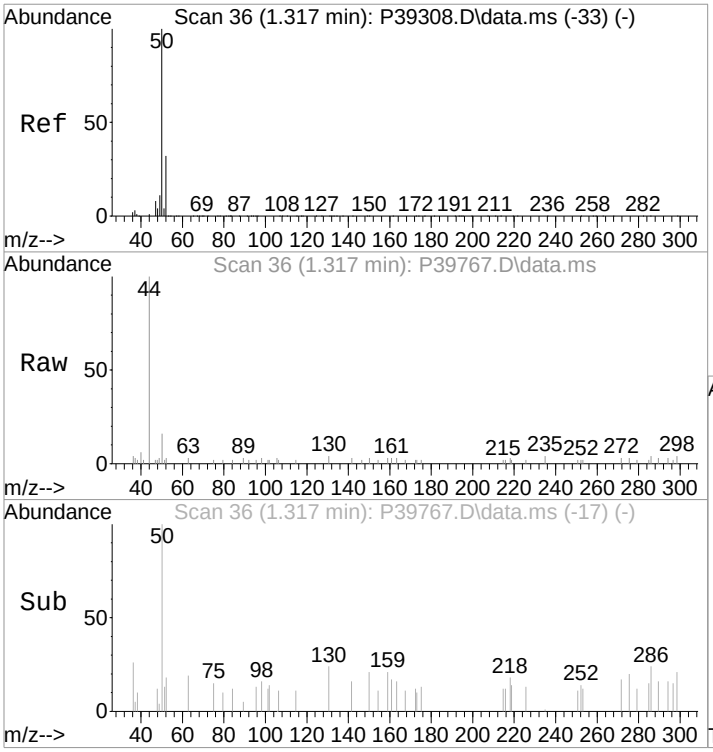
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39767.D
Acq On : 18 Sep 2020 2:04 am
Operator : K.Ruest
Sample : R2008511-006|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 22 14:12:11 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



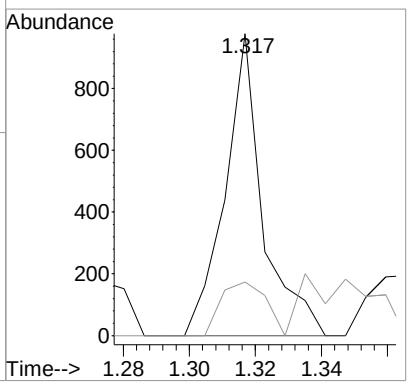
1st 09/22/20
2nd 09/22/20

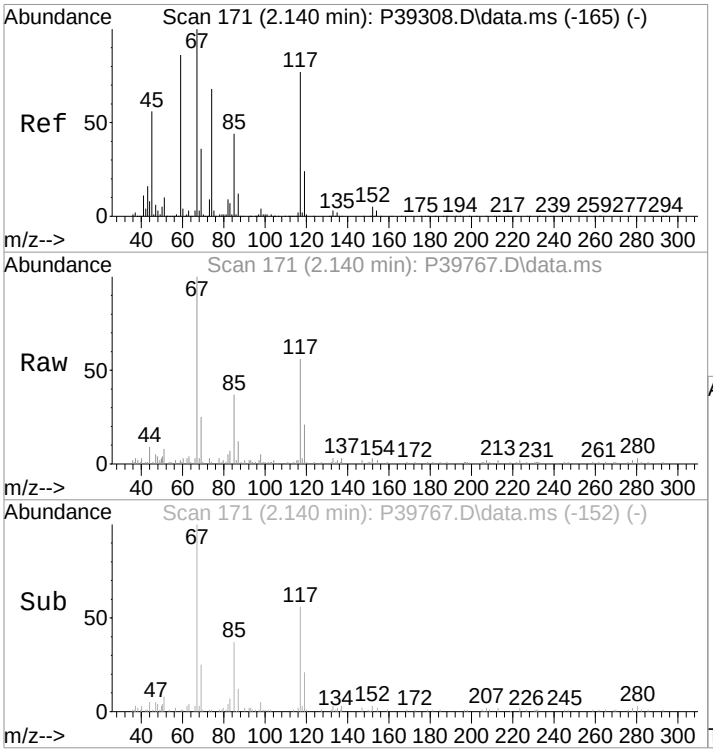


#3
Chloromethane
Concen: 0.20 ppb
RT: 1.317 min Scan# 36
Delta R.T. -0.000 min
Lab File: P39767.D
Acq: 18 Sep 2020 2:04 am

Tgt Ion: 50 Resp: 776

Ion	Ratio	Lower	Upper
50	100		
52	17.8	12.1	52.1

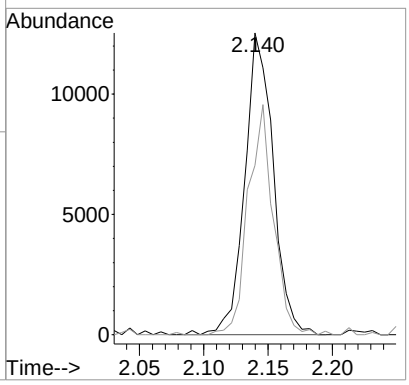


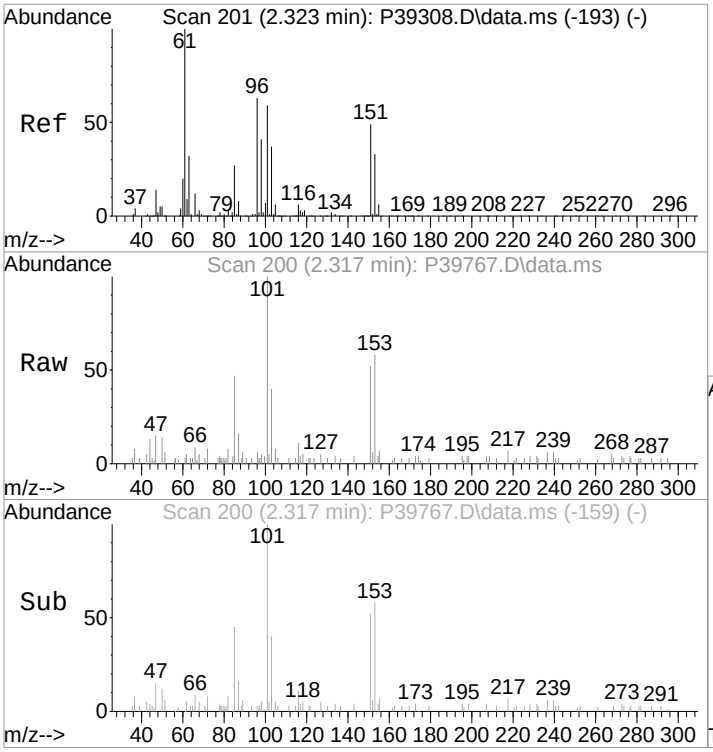


#10
Freon 123a
Concen: 6.41 ppb
RT: 2.140 min Scan# 171
Delta R.T. -0.000 min
Lab File: P39767.D
Acq: 18 Sep 2020 2:04 am

Tgt Ion: 67 Resp: 19382

Ion	Ratio	Lower	Upper
67	100		
117	56.1	57.5	97.5#

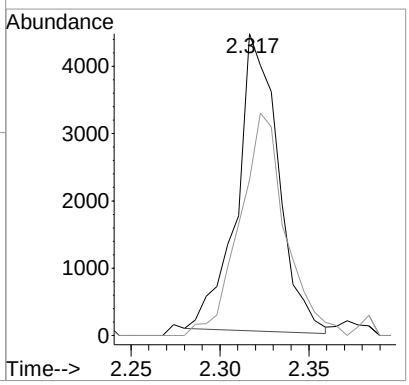


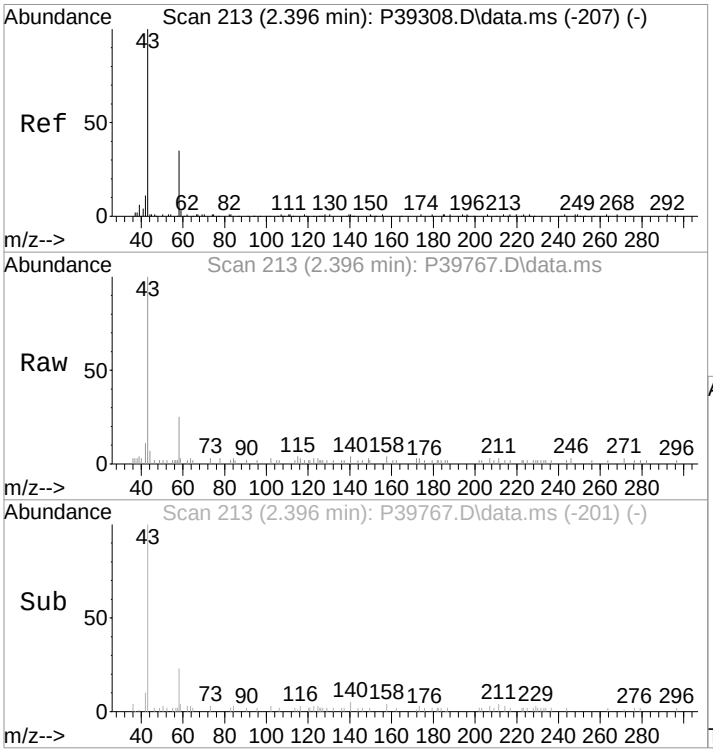


#14
Freon 113
Concen: 3.07 ppb
RT: 2.317 min Scan# 200
Delta R.T. -0.006 min
Lab File: P39767.D
Acq: 18 Sep 2020 2:04 am

Tgt Ion:101 Resp: 7142

Ion	Ratio	Lower	Upper
101	100		
151	49.2	62.1	102.1#

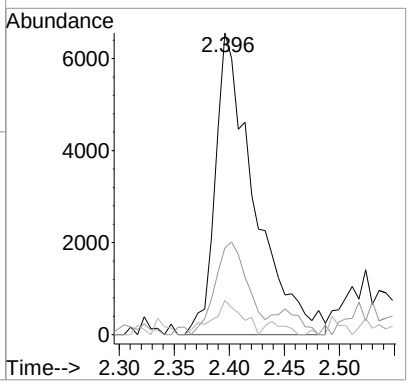


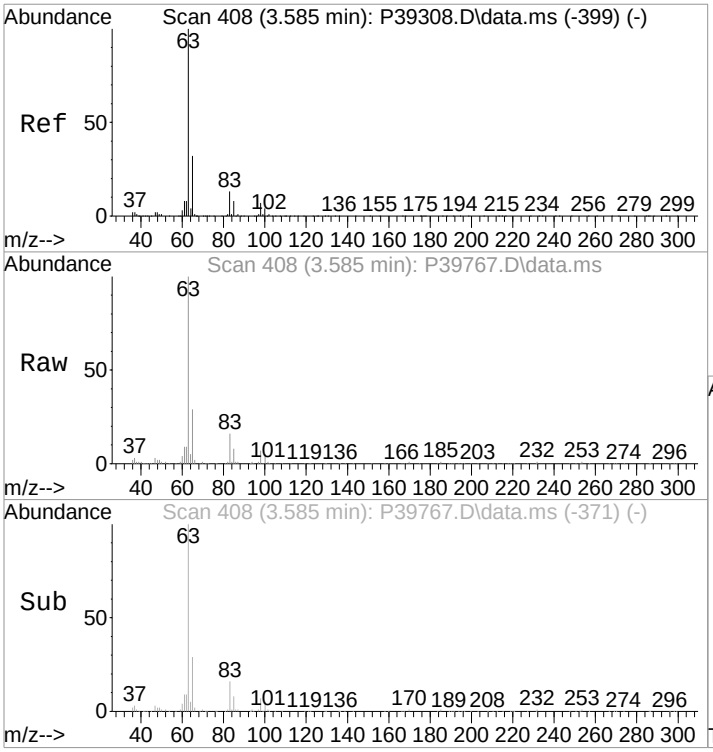


#15
Acetone
Concen: 11.96 ppb
RT: 2.396 min Scan# 213
Delta R.T. -0.000 min
Lab File: P39767.D
Acq: 18 Sep 2020 2:04 am

Tgt Ion: 43 Resp: 16131

Ion	Ratio	Lower	Upper
43	100		
58	28.8	14.8	54.8
42	11.3	0.0	31.4

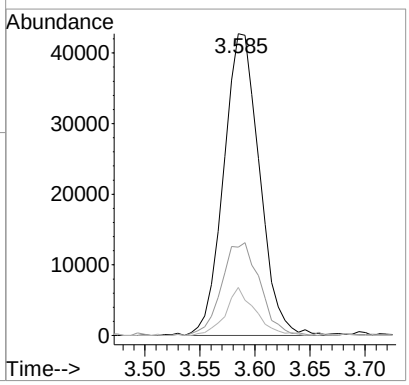


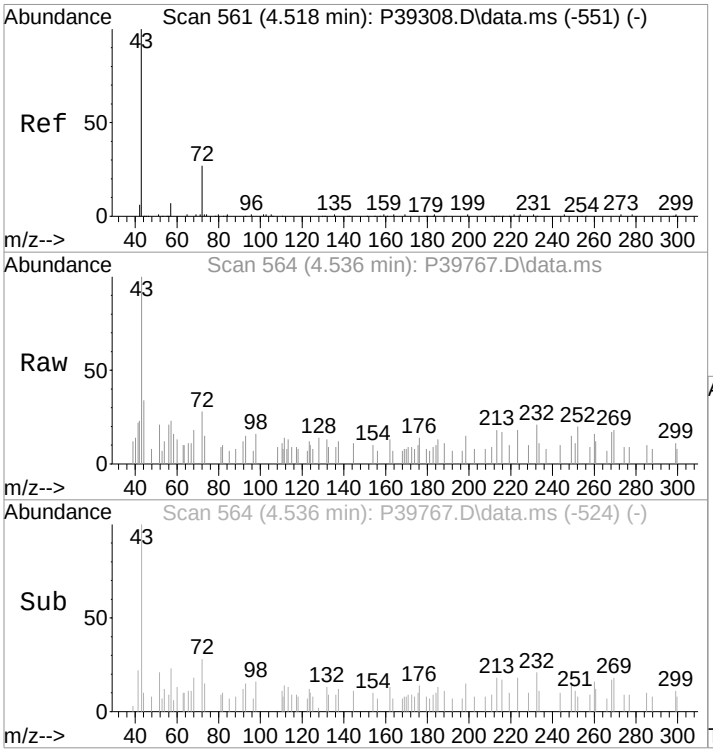


#28
1,1-Diclethane
Concen: 21.15 ppb
RT: 3.585 min Scan# 408
Delta R.T. -0.000 min
Lab File: P39767.D
Acq: 18 Sep 2020 2:04 am

Tgt Ion: 63 Resp: 96858

Ion	Ratio	Lower	Upper
63	100		
65	29.3	12.4	52.4
83	15.9	0.0	32.6

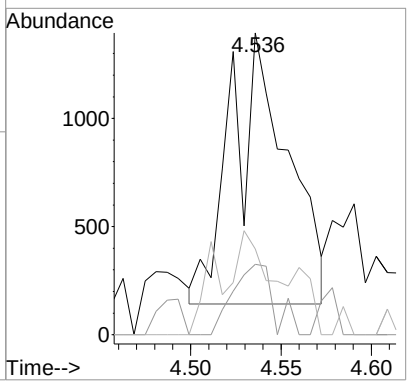


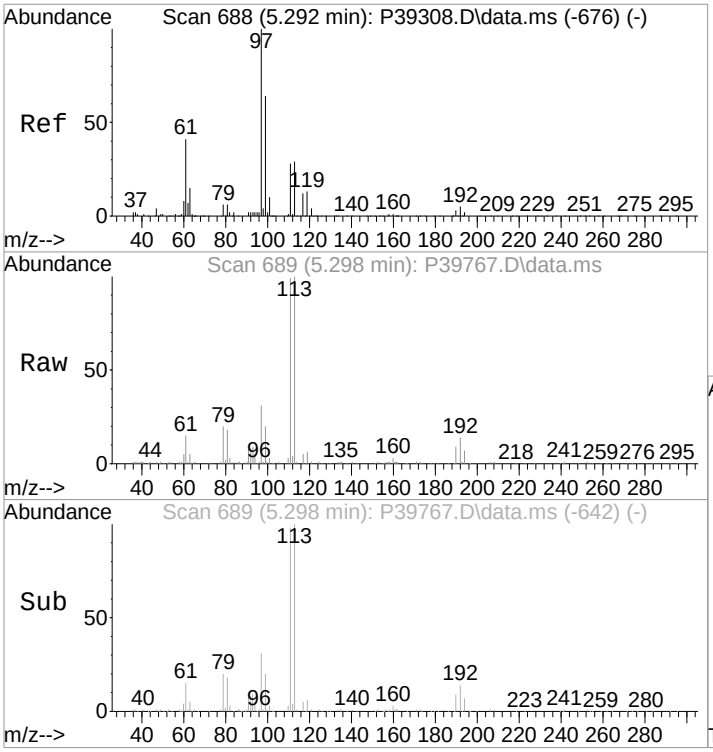


#35
2-Butanone
Concen: 1.49 ppb m
RT: 4.536 min Scan# 564
Delta R.T. 0.018 min
Lab File: P39767.D
Acq: 18 Sep 2020 2:04 am

Tgt Ion: 43 Resp: 2718

Ion	Ratio	Lower	Upper
43	100		
57	23.4	0.0	26.9
72	28.4	8.4	48.4

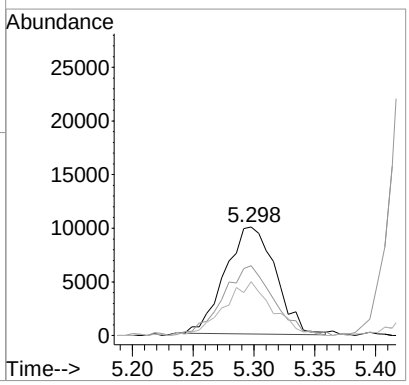


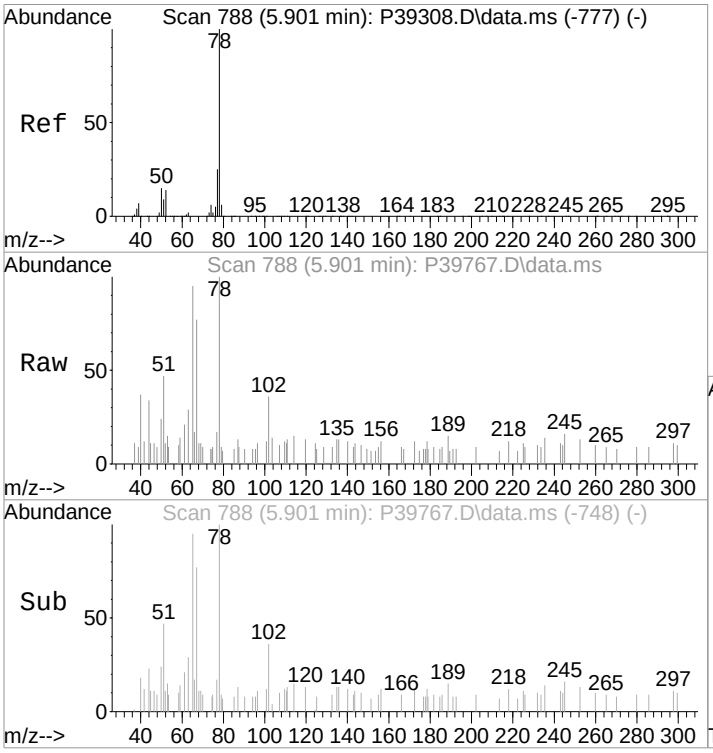


#41
1,1,1-Trichloroethane
Concen: 6.62 ppb
RT: 5.298 min Scan# 689
Delta R.T. 0.006 min
Lab File: P39767.D
Acq: 18 Sep 2020 2:04 am

Tgt Ion: 97 Resp: 28723

Ion	Ratio	Lower	Upper
97	100		
99	64.3	44.5	84.5
61	49.7	21.1	61.1

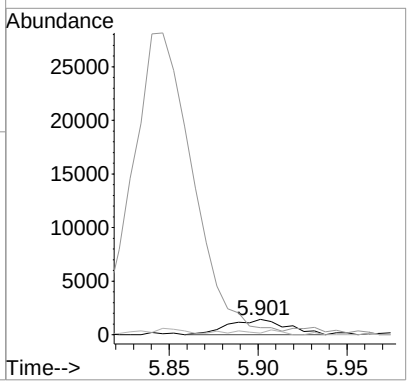




#49
Benzene
Concen: 0.26 ppb
RT: 5.901 min Scan# 788
Delta R.T. -0.000 min
Lab File: P39767.D
Acq: 18 Sep 2020 2:04 am

Tgt Ion: 78 Resp: 3311

Ion	Ratio	Lower	Upper
78	100		
51	46.6	0.0	37.3#
52	11.2	0.0	34.6



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39768.D
Acq On : 18 Sep 2020 2:25 am
Operator : K.Ruest
Sample : R2008511-012|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 22 14:14:21 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

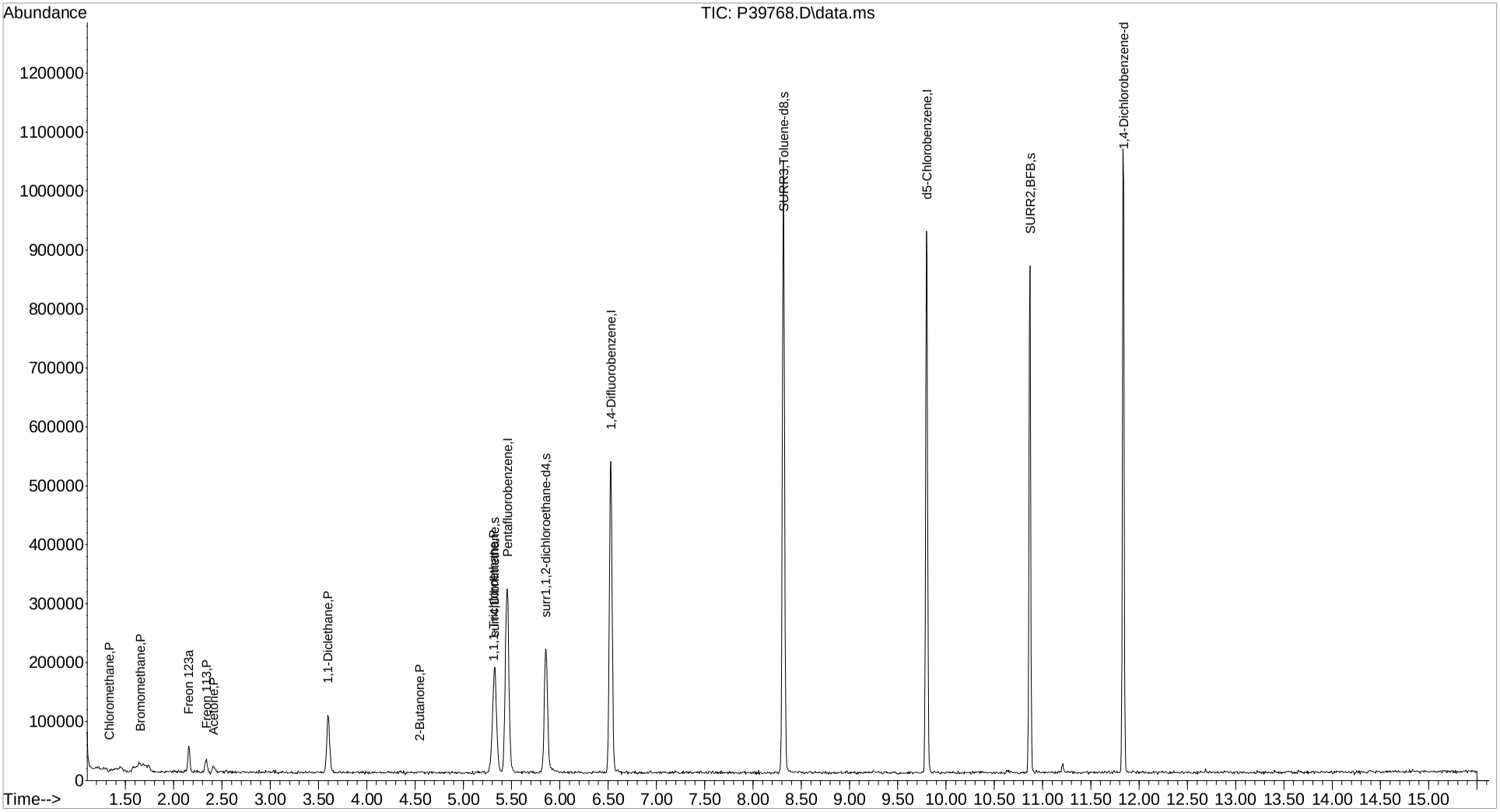
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.456	168	278717	50.00	ppb		0.01
43) 1,4-Difluorobenzene	6.529	114	466400	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	412677	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	202321	50.00	ppb		0.00
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.322	113	126043	46.04	ppb		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 92.08%				
48) surr1,1,2-dichloroetha...	5.852	65	186827	51.12	ppb		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.24%				
65) SURR3,Toluene-d8	8.315	98	632872	50.86	ppb		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.72%				
70) SURR2,BFB	10.870	95	225573	46.74	ppb		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.48%				
Target Compounds							Qvalue
3) Chloromethane	1.329	50	778	0.20	ppb	#	1
5) Bromomethane	1.652	94	2129	0.26	ppb	#	69
10) Freon 123a	2.158	67	17700	5.88	ppb		92
14) Freon 113	2.335	101	8310	3.59	ppb		82
15) Acetone	2.414	43	14565	10.86	ppb		96
28) 1,1-Diclethane	3.597	63	103702	22.76	ppb		96
35) 2-Butanone	4.548	43	4414	2.43	ppb	#	73
41) 1,1,1-Trichloroethane	5.310	97	30207	6.99	ppb		83

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

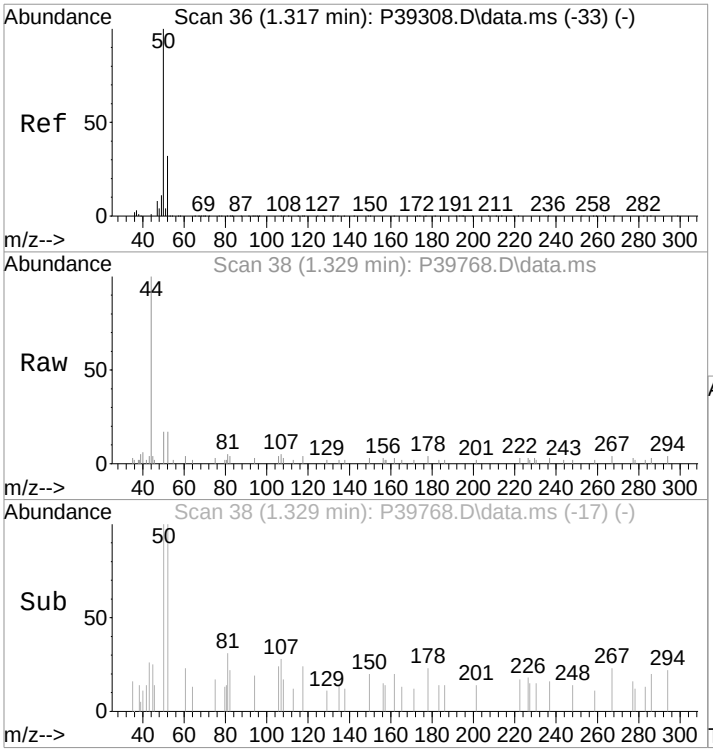
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39768.D
Acq On : 18 Sep 2020 2:25 am
Operator : K.Ruest
Sample : R2008511-012|1.0 Inst : MSVOA-12
Misc : VERINA 8260 T4
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 22 14:14:21 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



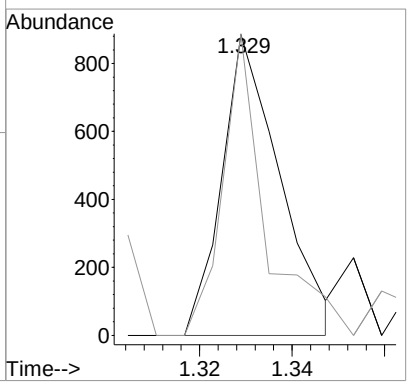
1st 09/22/20
2nd 09/22/20

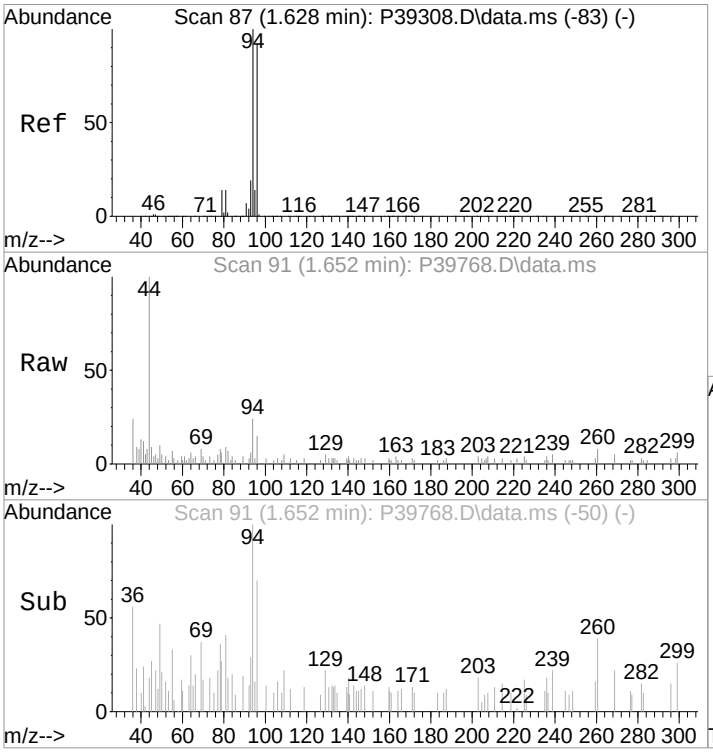


#3
Chloromethane
Concen: 0.20 ppb
RT: 1.329 min Scan# 38
Delta R.T. 0.012 min
Lab File: P39768.D
Acq: 18 Sep 2020 2:25 am

Tgt Ion: 50 Resp: 778

Ion	Ratio	Lower	Upper
50	100		
52	100.2	12.1	52.1#

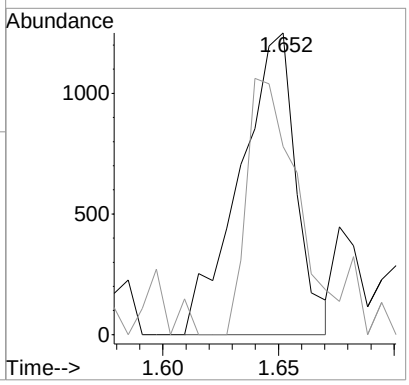


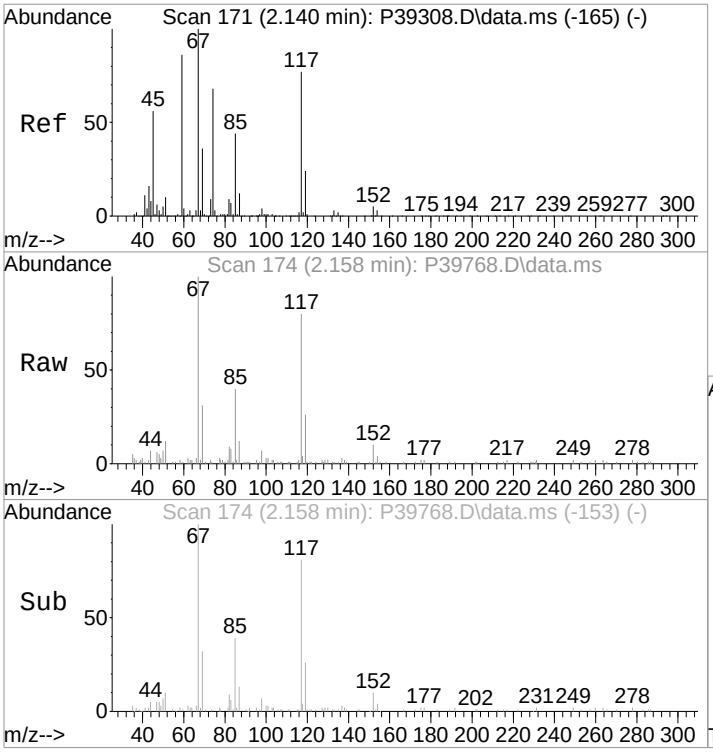


#5
Bromomethane
Concen: 0.26 ppb
RT: 1.652 min Scan# 91
Delta R.T. 0.025 min
Lab File: P39768.D
Acq: 18 Sep 2020 2:25 am

Tgt Ion: 94 Resp: 2129

Ion	Ratio	Lower	Upper
94	100		
96	62.4	71.6	111.6#

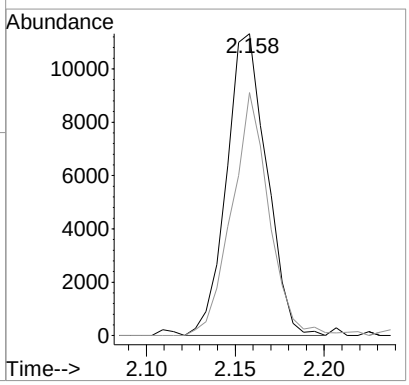


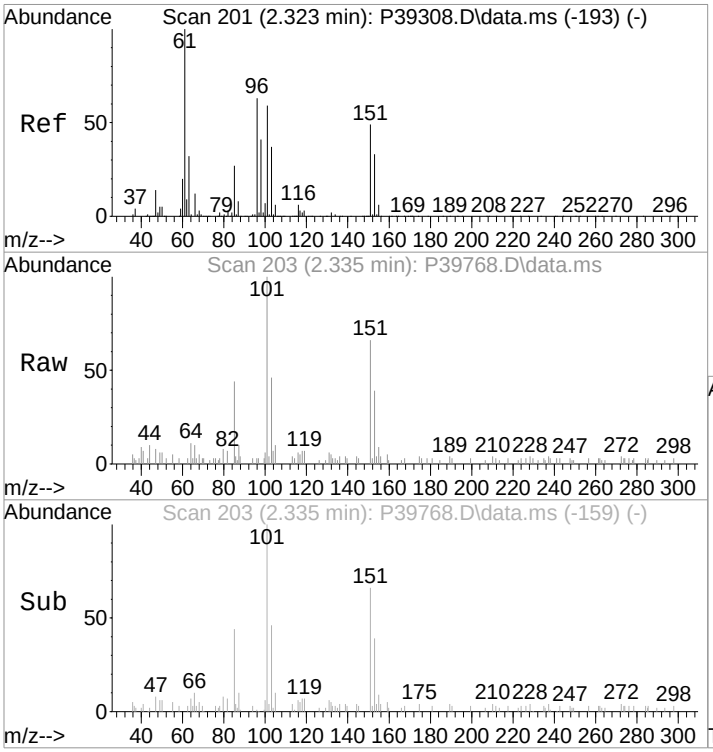


#10
Freon 123a
Concen: 5.88 ppb
RT: 2.158 min Scan# 174
Delta R.T. 0.018 min
Lab File: P39768.D
Acq: 18 Sep 2020 2:25 am

Tgt Ion: 67 Resp: 17700

Ion	Ratio	Lower	Upper
67	100		
117	84.1	57.5	97.5

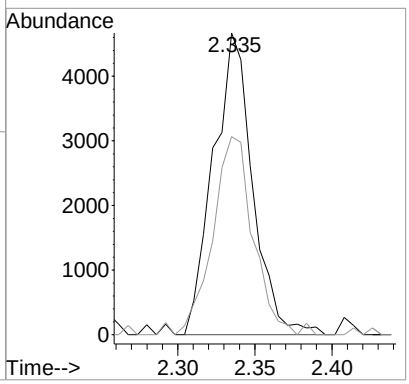


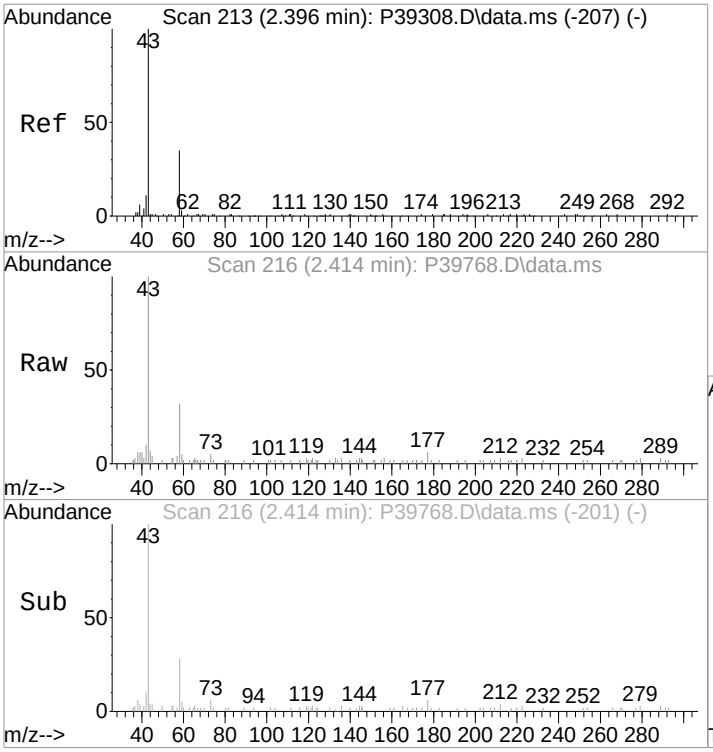


#14
Freon 113
Concen: 3.59 ppb
RT: 2.335 min Scan# 203
Delta R.T. 0.012 min
Lab File: P39768.D
Acq: 18 Sep 2020 2:25 am

Tgt Ion:101 Resp: 8310

Ion	Ratio	Lower	Upper
101	100		
151	65.6	62.1	102.1

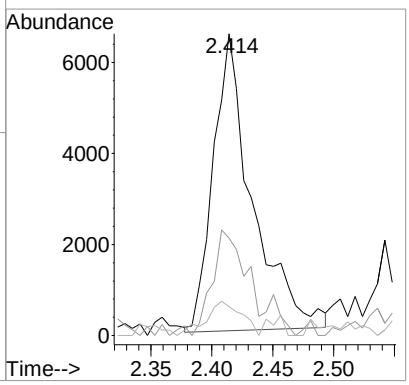


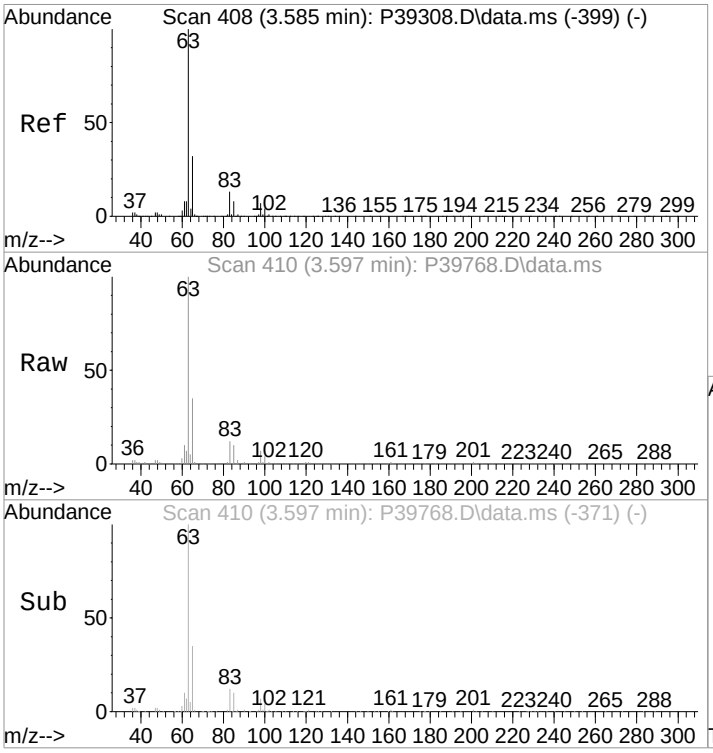


#15
Acetone
Concen: 10.86 ppb
RT: 2.414 min Scan# 216
Delta R.T. 0.018 min
Lab File: P39768.D
Acq: 18 Sep 2020 2:25 am

Tgt Ion: 43 Resp: 14565

Ion	Ratio	Lower	Upper
43	100		
58	32.3	14.8	54.8
42	9.6	0.0	31.4

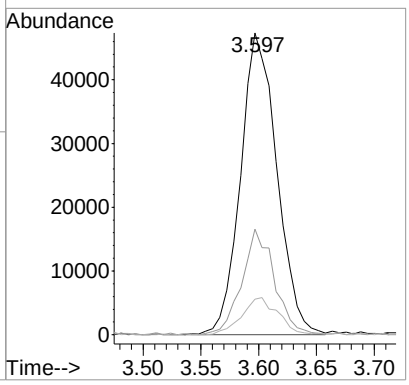


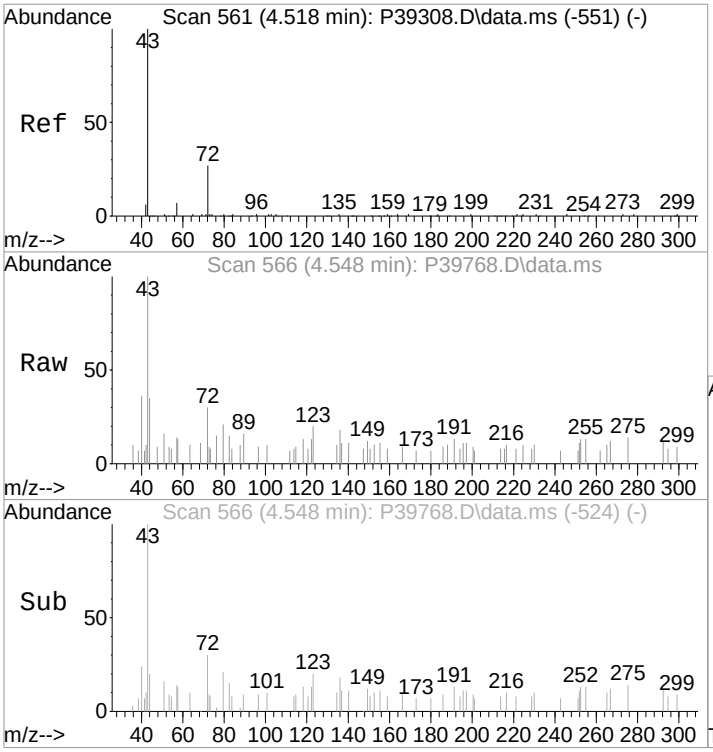


#28
1,1-Diclethane
Concen: 22.76 ppb
RT: 3.597 min Scan# 410
Delta R.T. 0.012 min
Lab File: P39768.D
Acq: 18 Sep 2020 2:25 am

Tgt Ion: 63 Resp: 103702

Ion	Ratio	Lower	Upper
63	100		
65	35.0	12.4	52.4
83	11.8	0.0	32.6

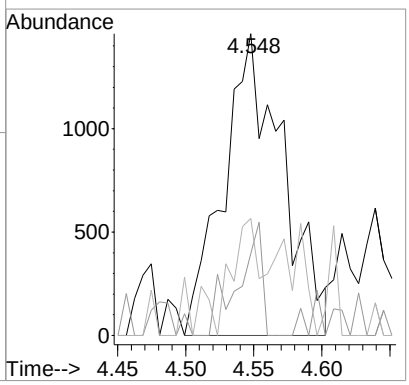


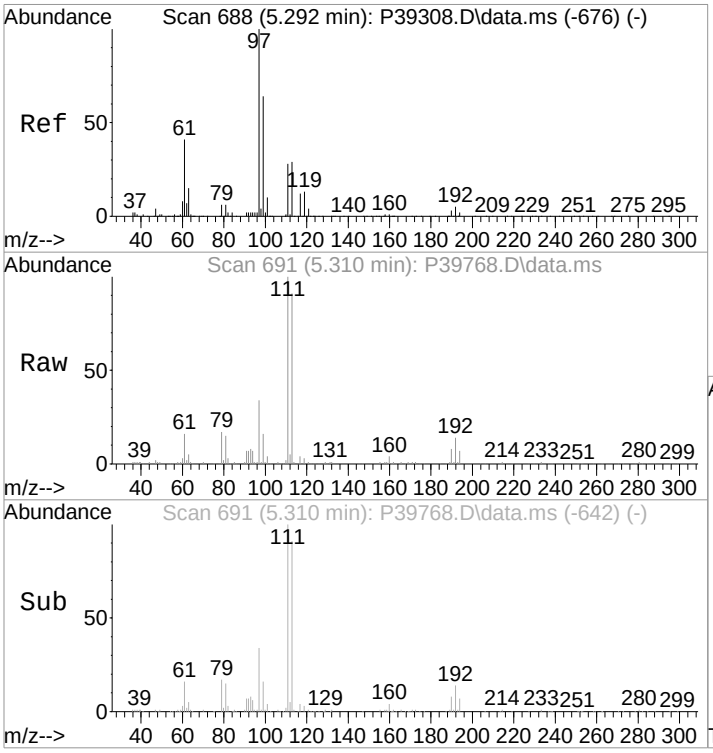


#35
2-Butanone
Concen: 2.43 ppb
RT: 4.548 min Scan# 566
Delta R.T. 0.030 min
Lab File: P39768.D
Acq: 18 Sep 2020 2:25 am

Tgt Ion: 43 Resp: 4414

Ion	Ratio	Lower	Upper
43	100		
57	27.1	0.0	26.9#
72	38.8	8.4	48.4

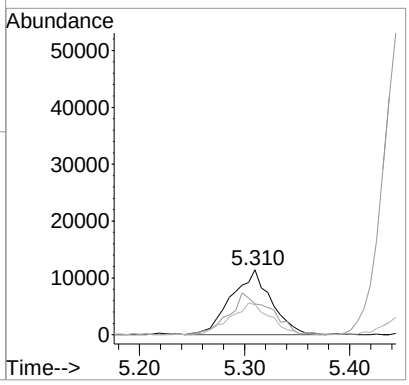




#41
1,1,1-Trichloroethane
Concen: 6.99 ppb
RT: 5.310 min Scan# 691
Delta R.T. 0.018 min
Lab File: P39768.D
Acq: 18 Sep 2020 2:25 am

Tgt Ion: 97 Resp: 30207

Ion	Ratio	Lower	Upper
97	100		
99	47.1	44.5	84.5
61	46.2	21.1	61.1



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

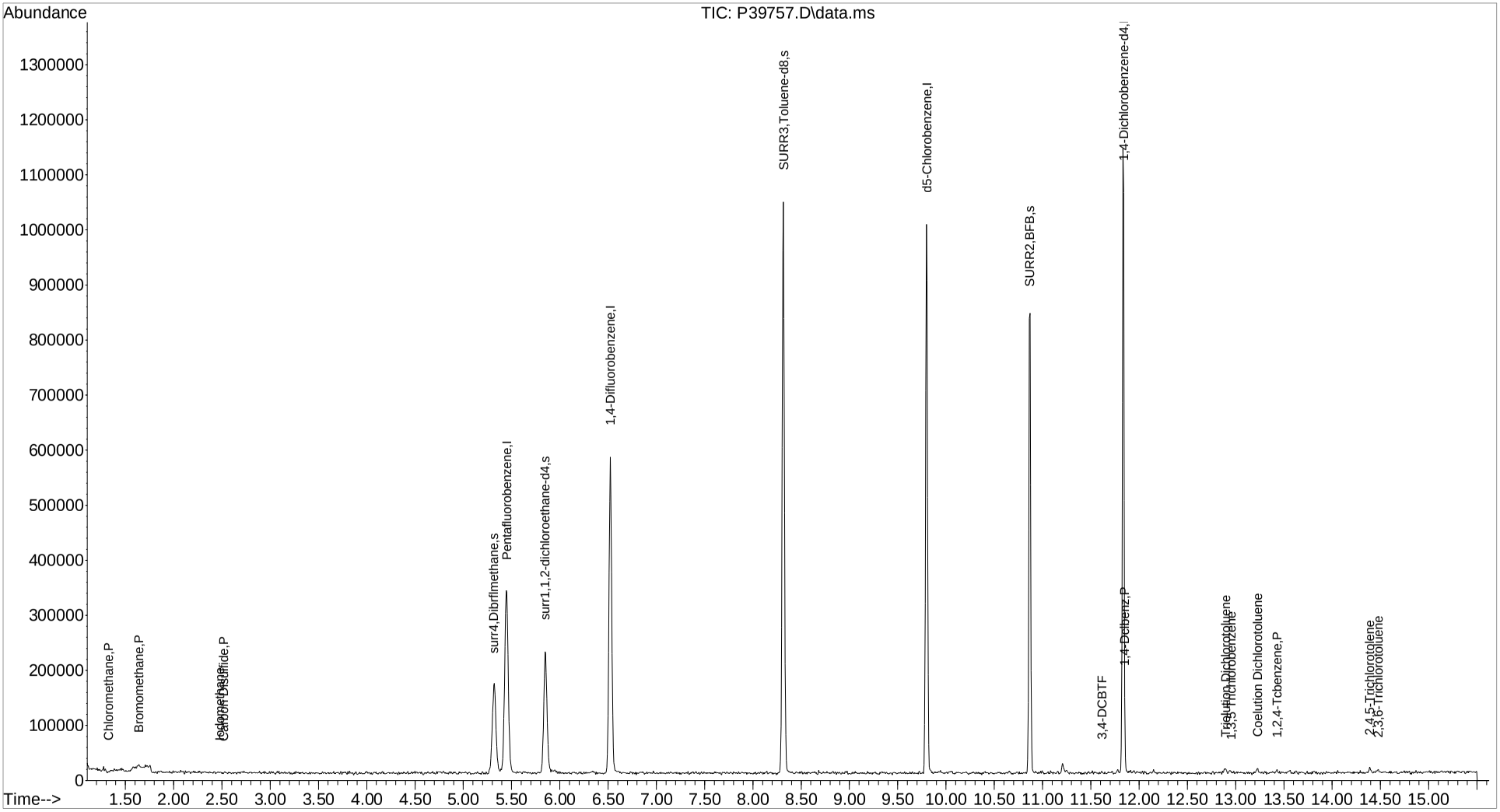
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.450	168	289069	50.00	ppb		0.00
43) 1,4-Difluorobenzene	6.523	114	488954	50.00	ppb		0.00
71) d5-Chlorobenzene	9.797	117	438039	50.00	ppb		0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	214738	50.00	ppb		0.00
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

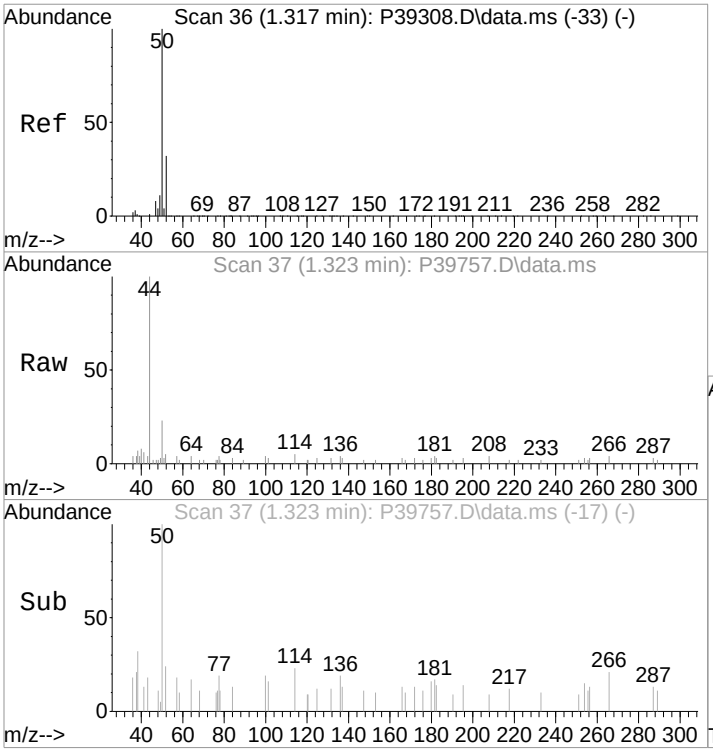
Quantitation Report (QT Reviewed)

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



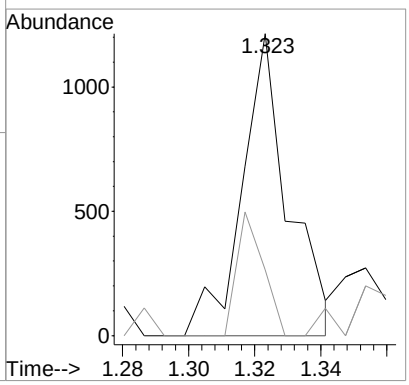
1st 09/18/20
2nd 09/22/20

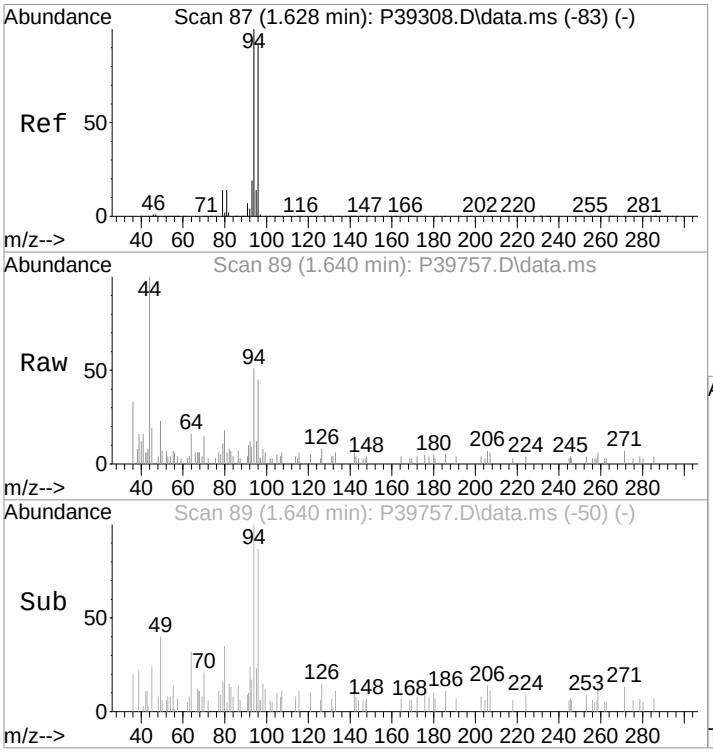


#3
Chloromethane
Concen: 0.30 ppb
RT: 1.323 min Scan# 37
Delta R.T. 0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion: 50 Resp: 1190

Ion	Ratio	Lower	Upper
50	100		
52	21.8	12.1	52.1

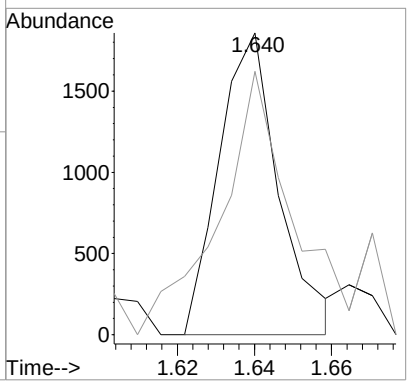


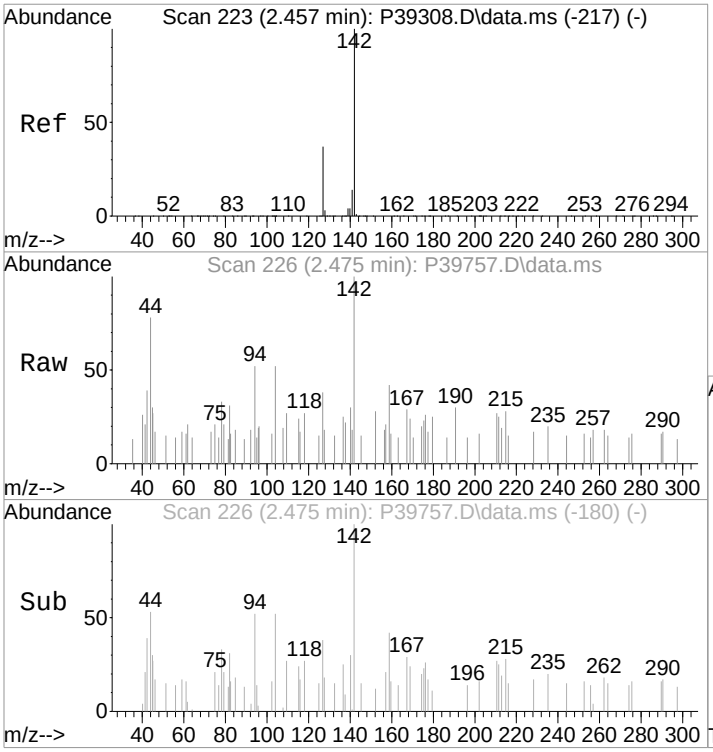


#5
Bromomethane
Concen: 0.21 ppb
RT: 1.640 min Scan# 89
Delta R.T. 0.013 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion: 94 Resp: 2015

Ion	Ratio	Lower	Upper
94	100		
96	87.3	71.6	111.6

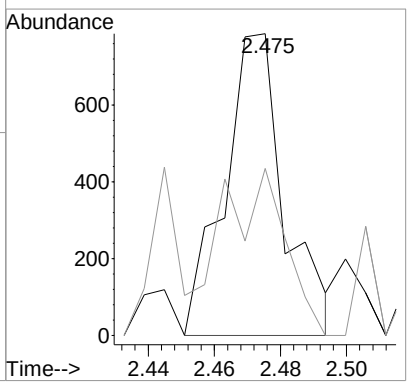


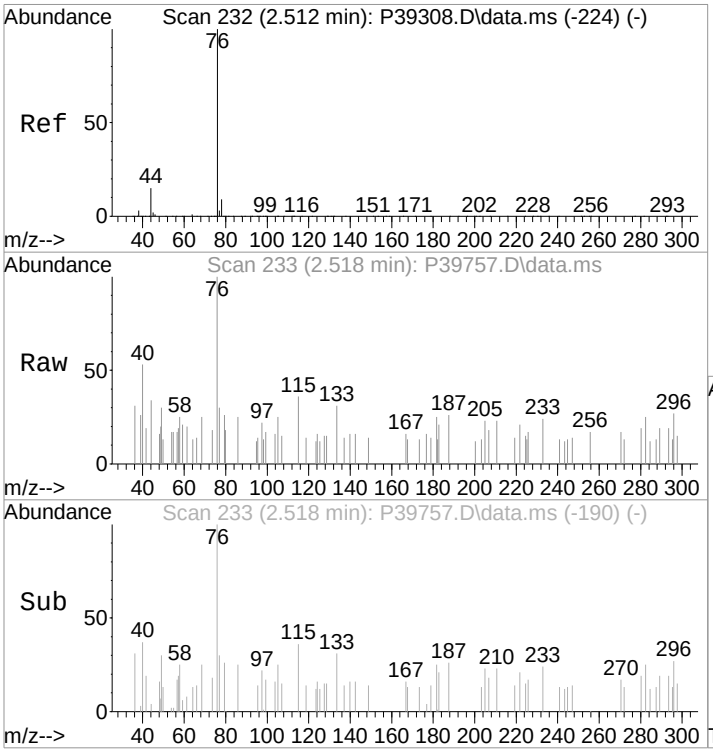


#17
Iodomethane
Concen: 2.42 ppb
RT: 2.475 min Scan# 226
Delta R.T. 0.019 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:142 Resp: 994

Ion	Ratio	Lower	Upper
142	100		
127	55.3	16.6	56.6

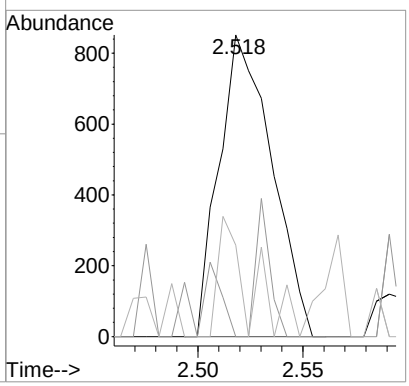


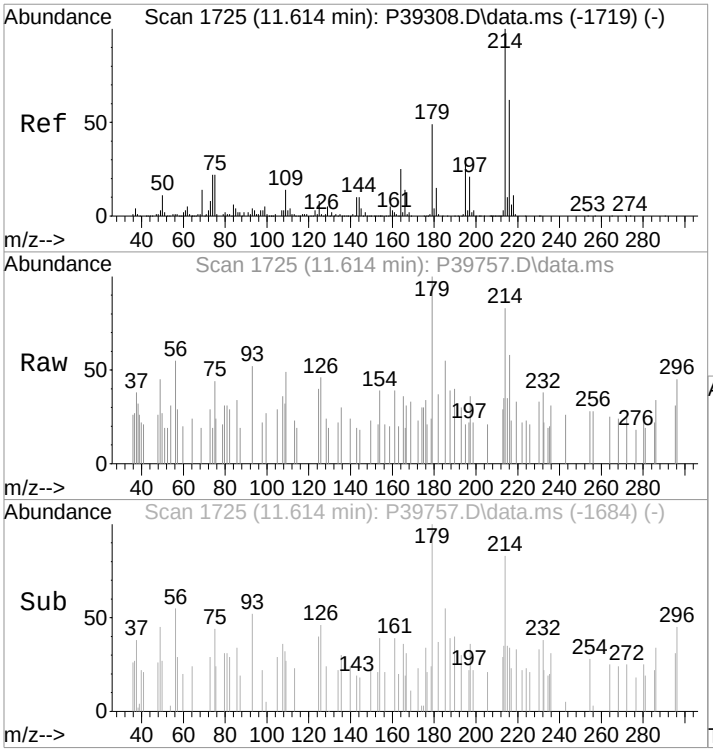


#18
Carbon Disulfide
Concen: 0.20 ppb
RT: 2.518 min Scan# 233
Delta R.T. 0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

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#

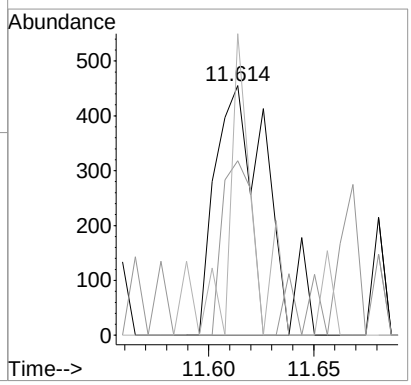


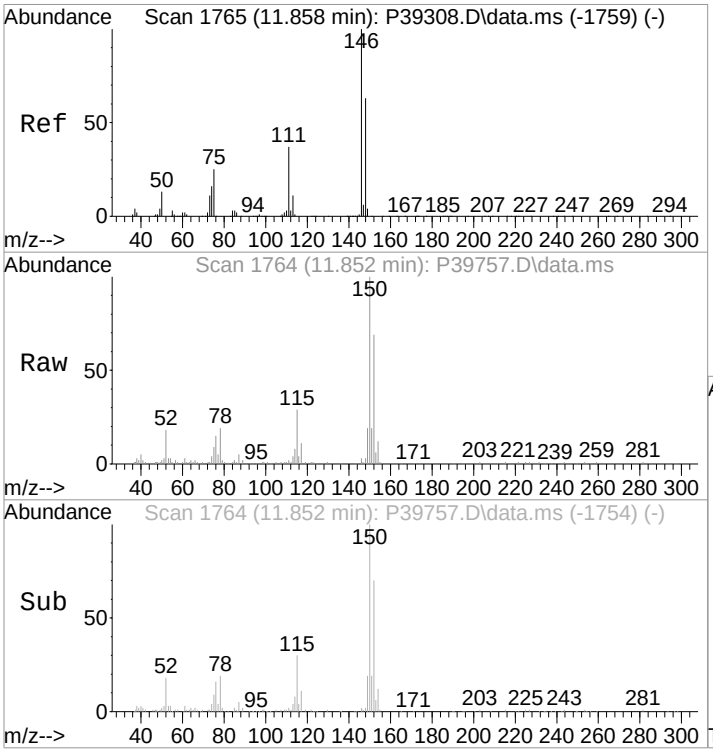


#102
3,4-DCBTF
Concen: 0.22 ppb
RT: 11.614 min Scan# 1725
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

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#

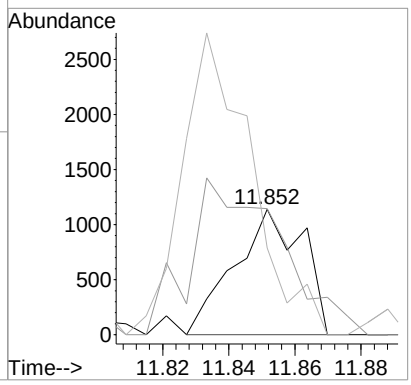


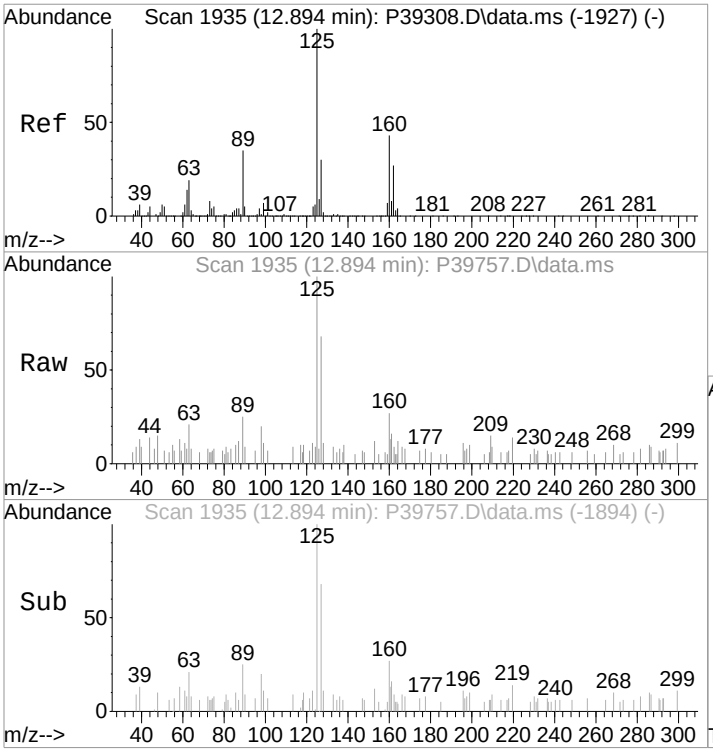


#106
1,4-Dclbenz
Concen: 0.22 ppb
RT: 11.852 min Scan# 1764
Delta R.T. -0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

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#

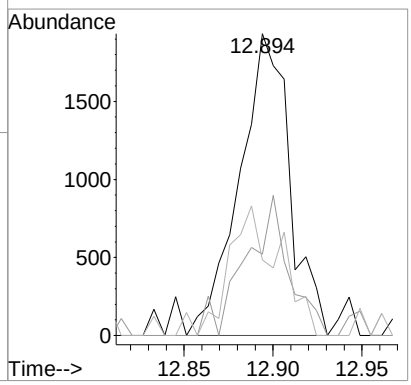


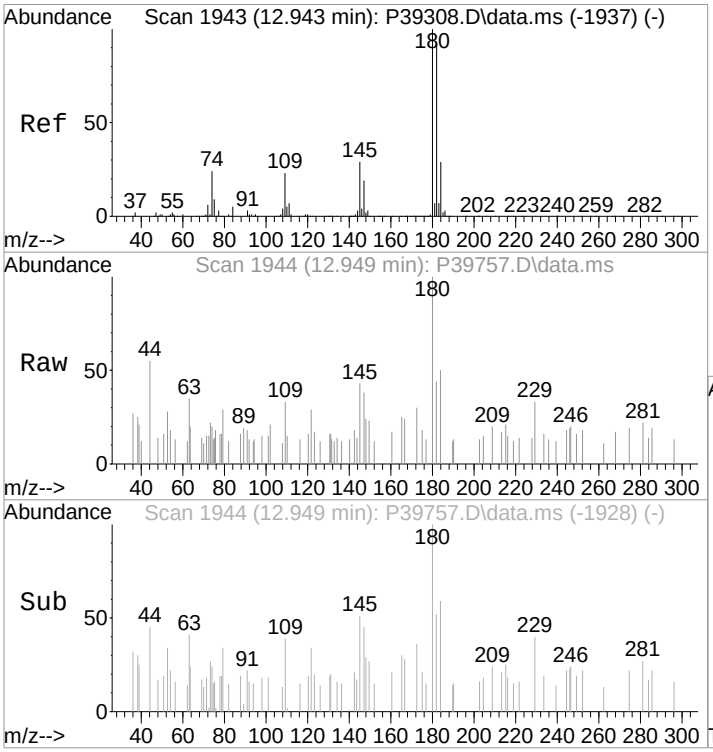


#112
Trielution Dichlorotoluene
Concen: 0.57 ppb
RT: 12.894 min Scan# 1935
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

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#

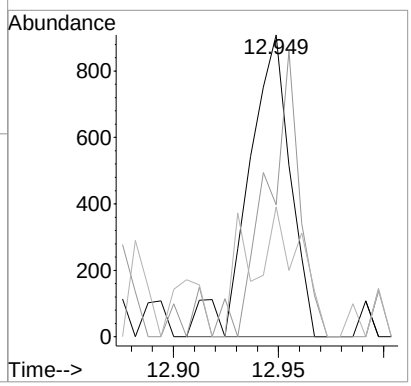


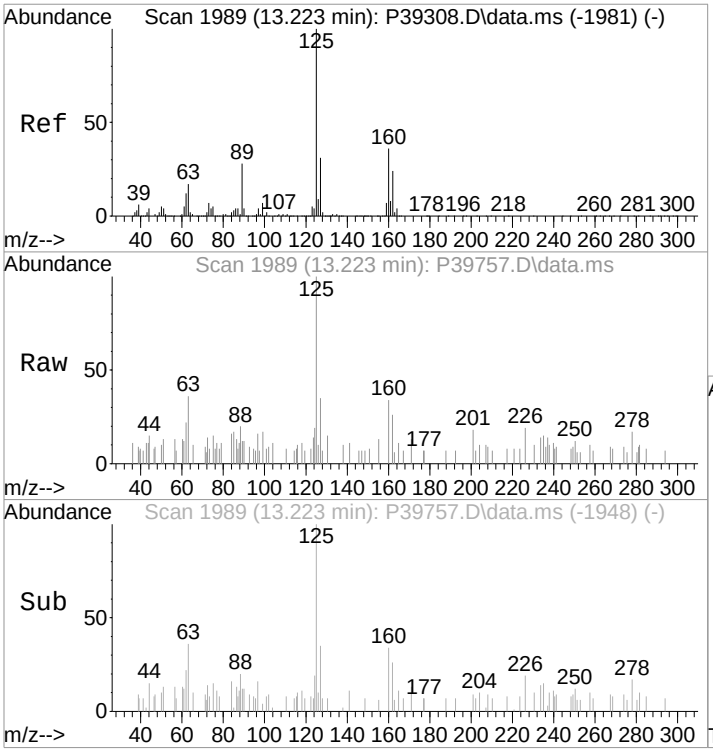


#113
1,3,5 Trichlorobenzene
Concen: 0.23 ppb
RT: 12.949 min Scan# 1944
Delta R.T. 0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

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#

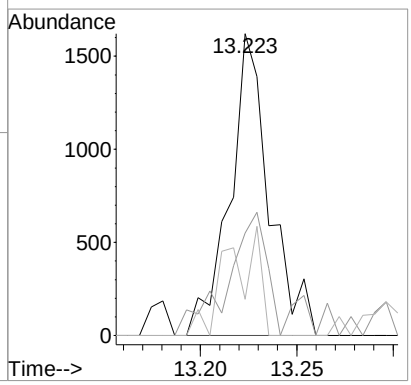


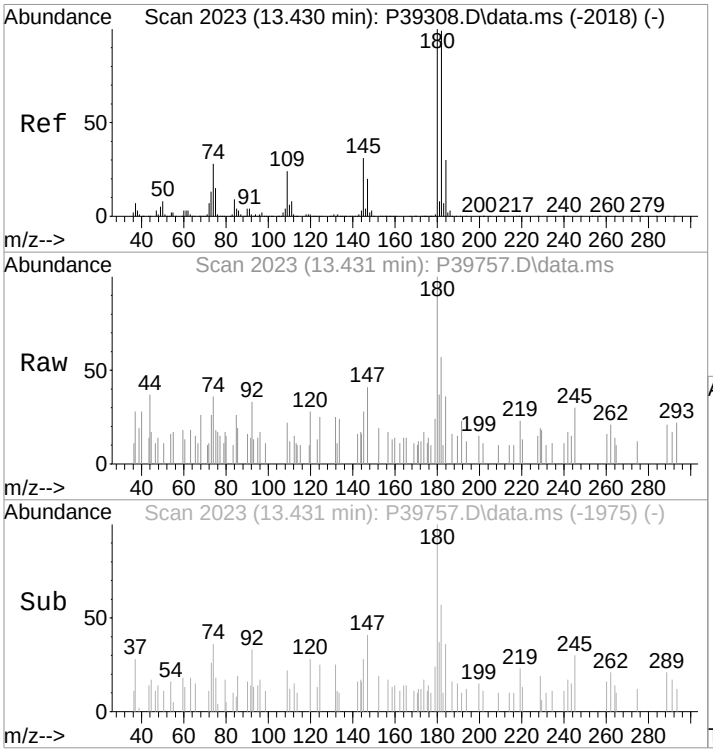


#114
Coelution Dichlorotoluene
Concen: 0.32 ppb
RT: 13.223 min Scan# 1989
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

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#

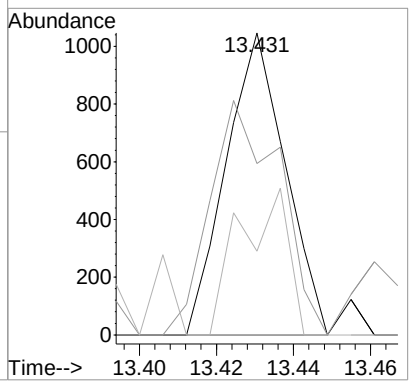


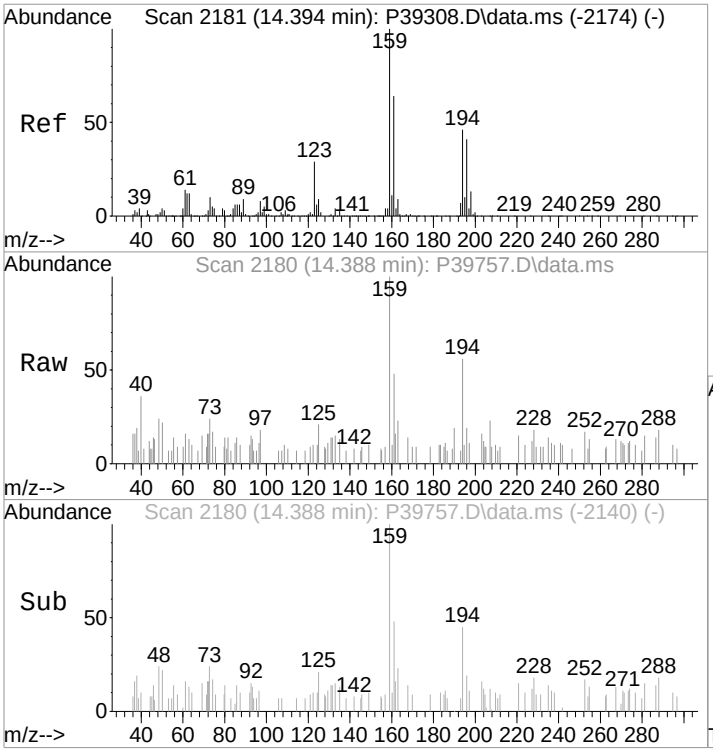


#115
1,2,4-Tcbenzene
Concen: 0.20 ppb
RT: 13.431 min Scan# 2023
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

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

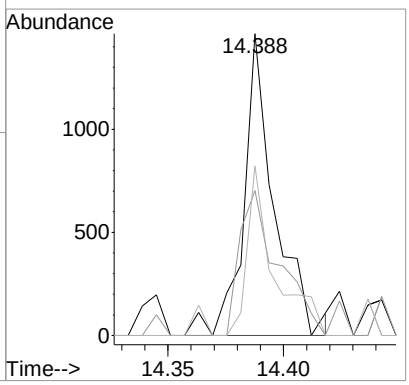


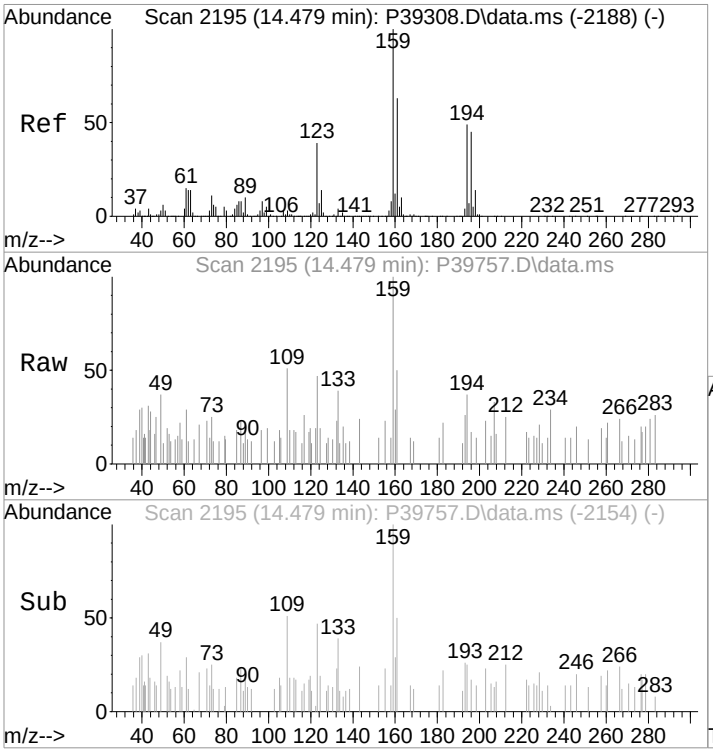


#119
2,4,5-Trichlorotolene
Concen: 0.33 ppb
RT: 14.388 min Scan# 2180
Delta R.T. -0.006 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

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#

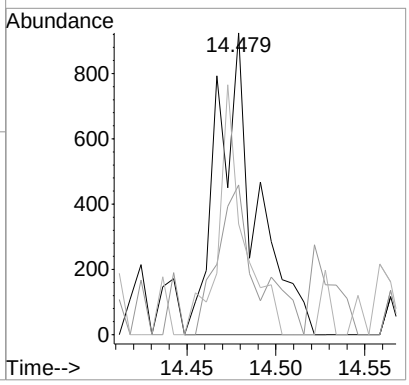




#120
2,3,6-Trichlorotoluene
Concen: 0.39 ppb
RT: 14.479 min Scan# 2195
Delta R.T. 0.000 min
Lab File: P39757.D
Acq: 17 Sep 2020 10:25 pm

Tgt Ion:159 Resp: 1419

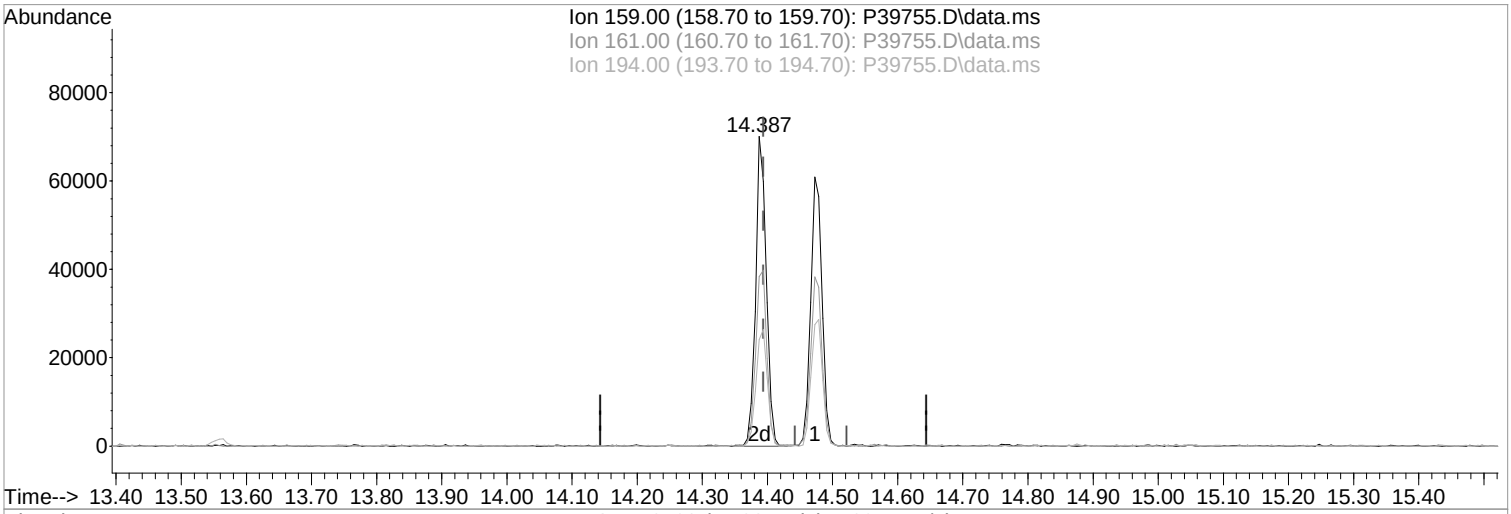
Ion	Ratio	Lower	Upper
159	100		
161	49.6	50.6	75.8#
194	36.6	39.4	59.2#

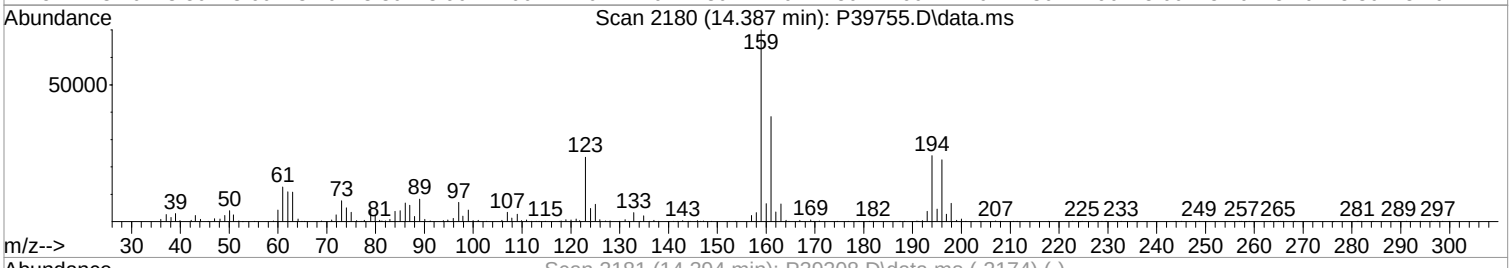


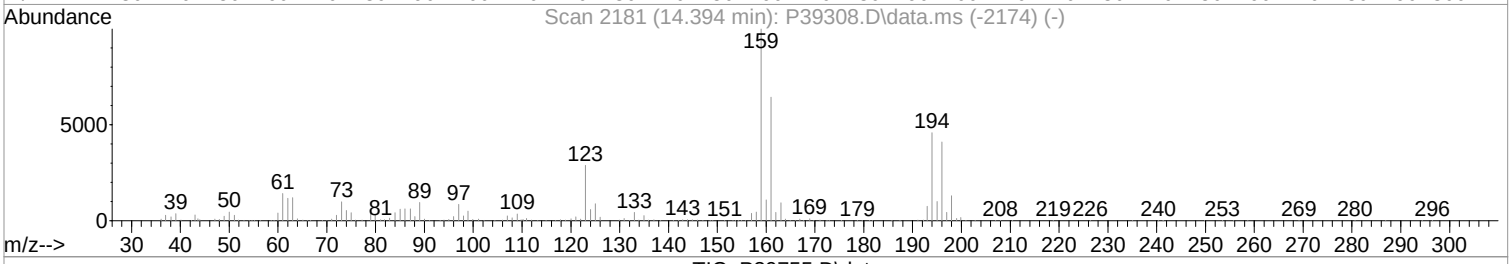
Quantitation Report (Qedit)

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

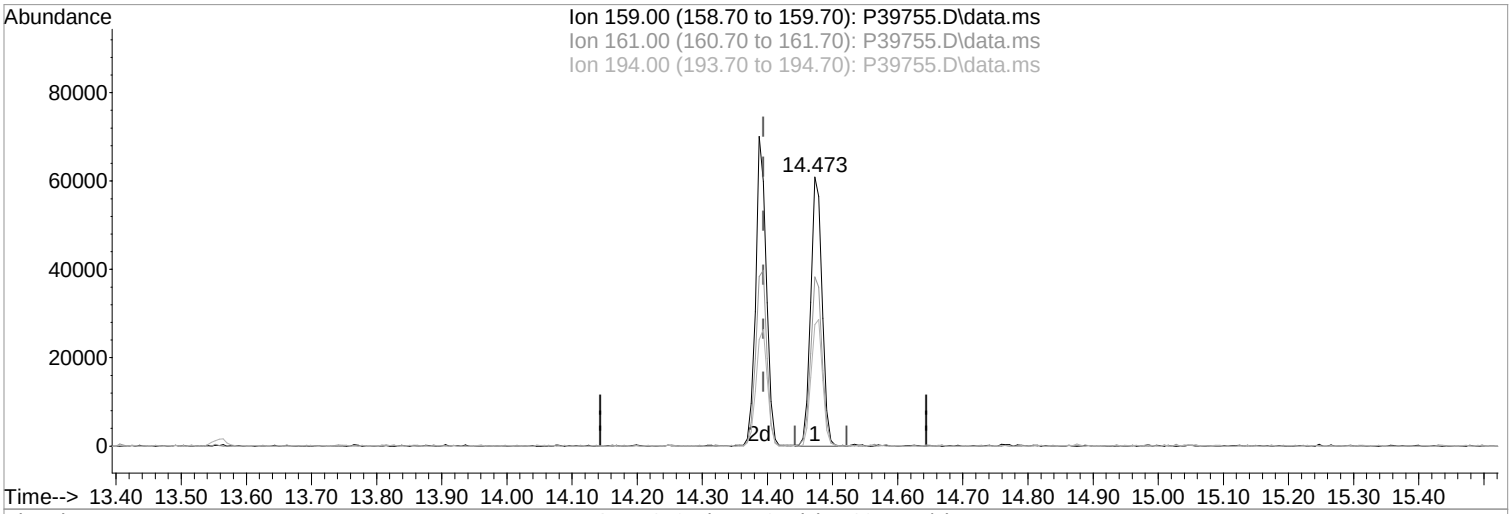
Wrong peak selected.

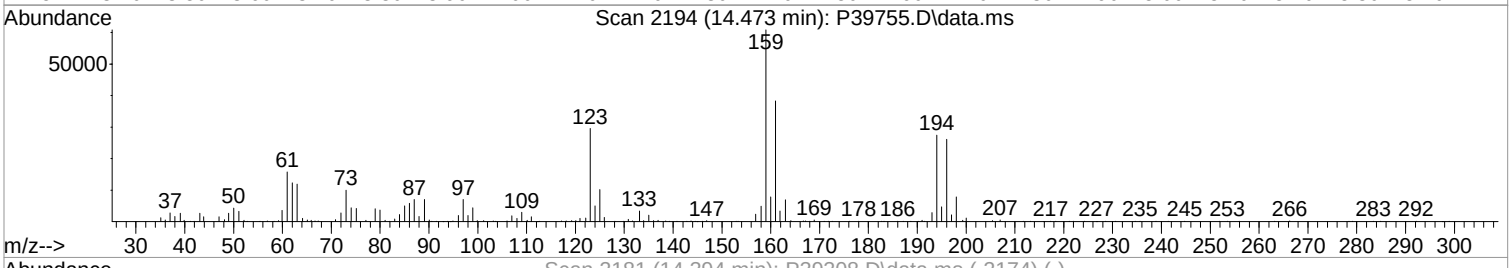
09/18/20

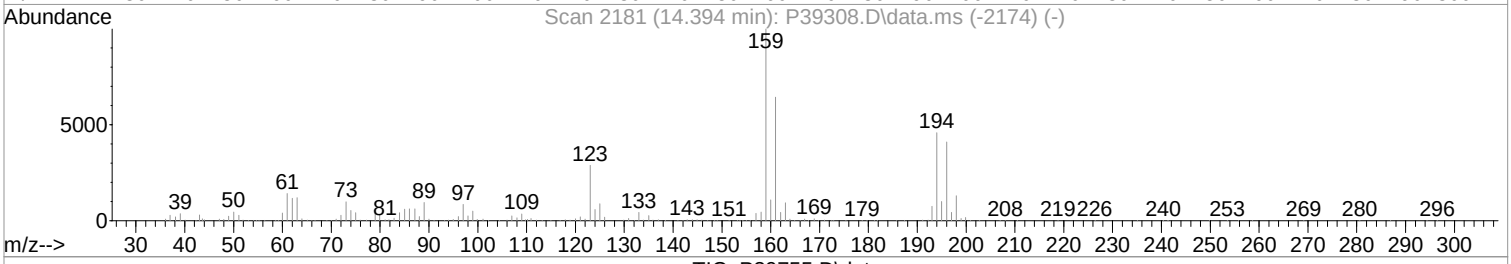
Quantitation Report (Qedit)

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

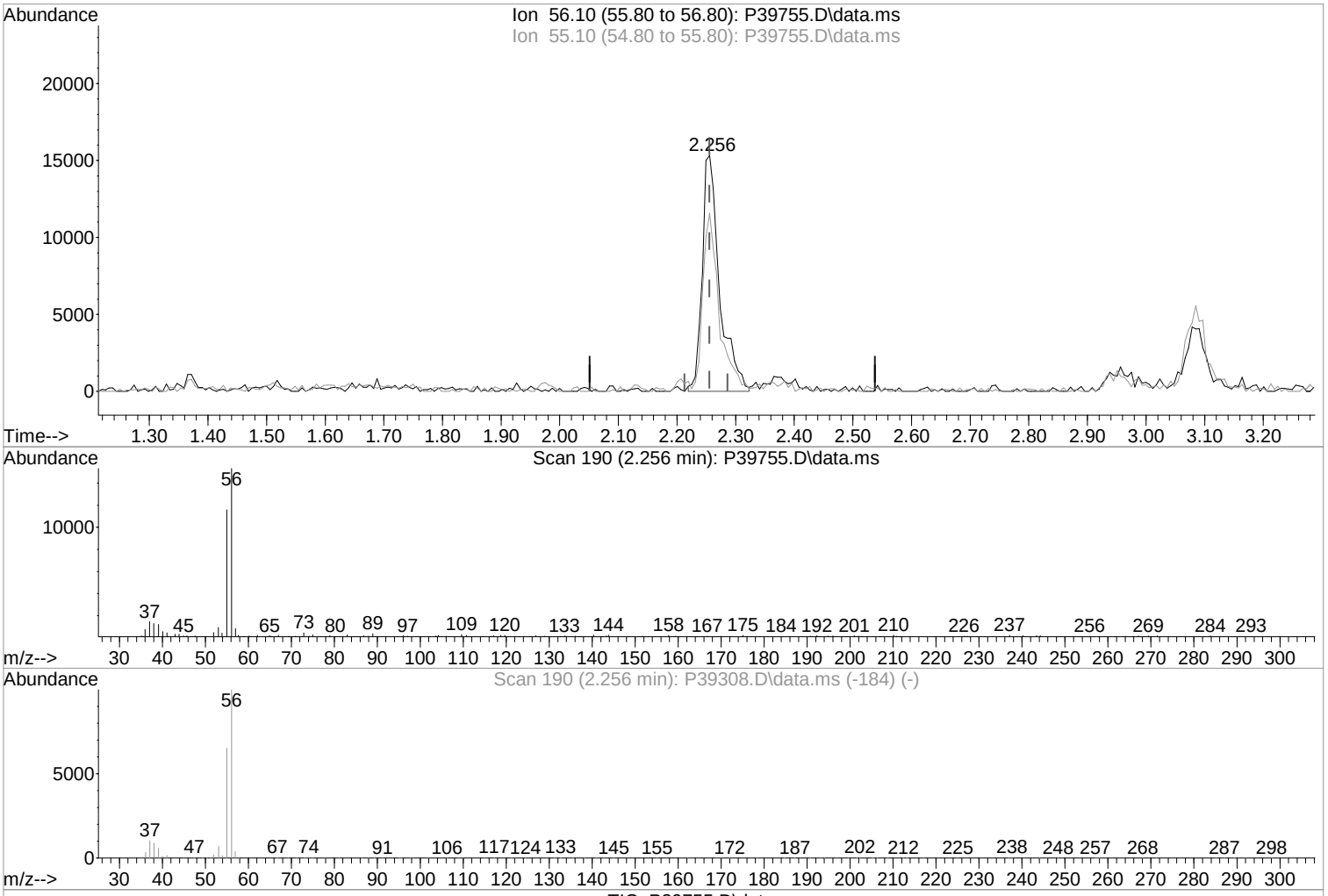
09/18/20

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.

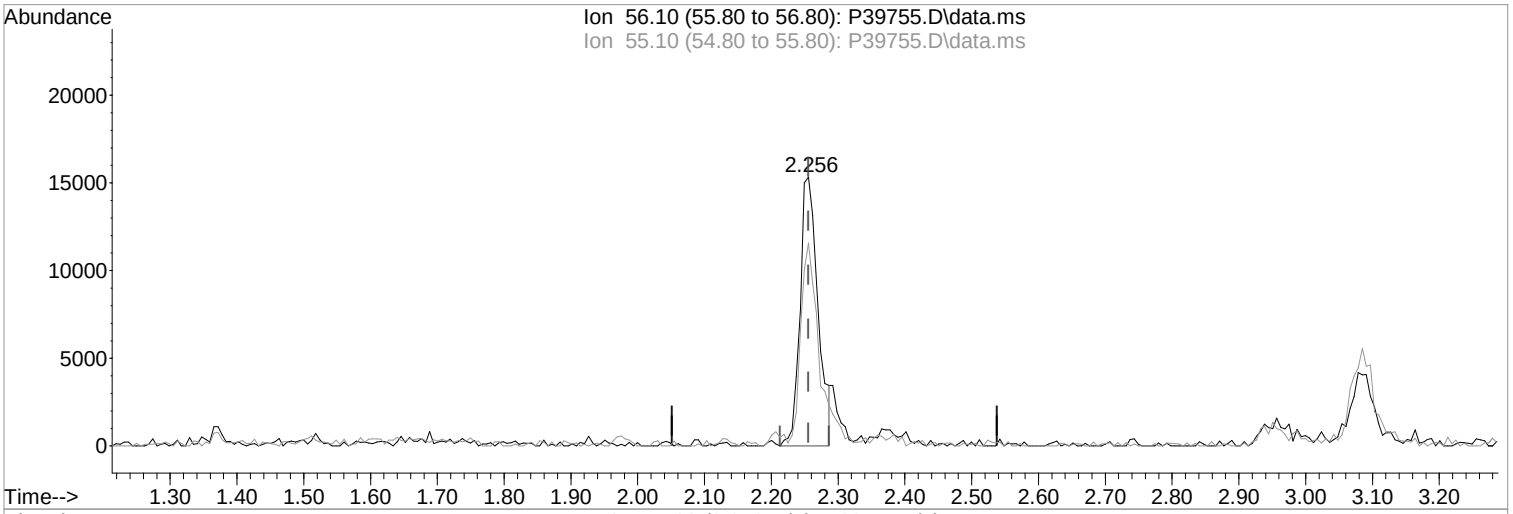
09/18/20

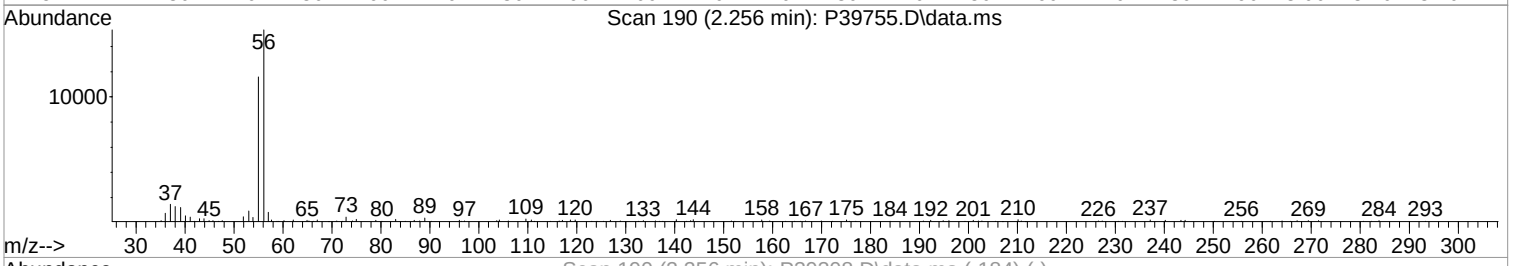
1st 09/18/20
2nd 09/22/20

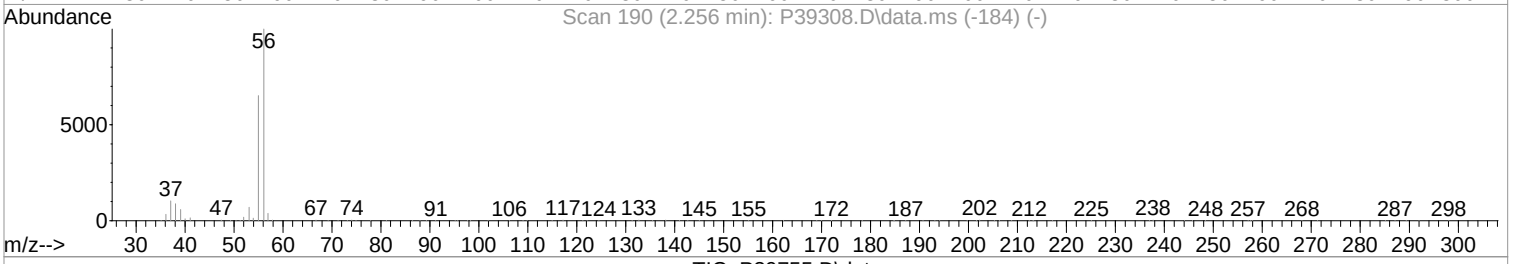
Quantitation Report (Qedit)

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) 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

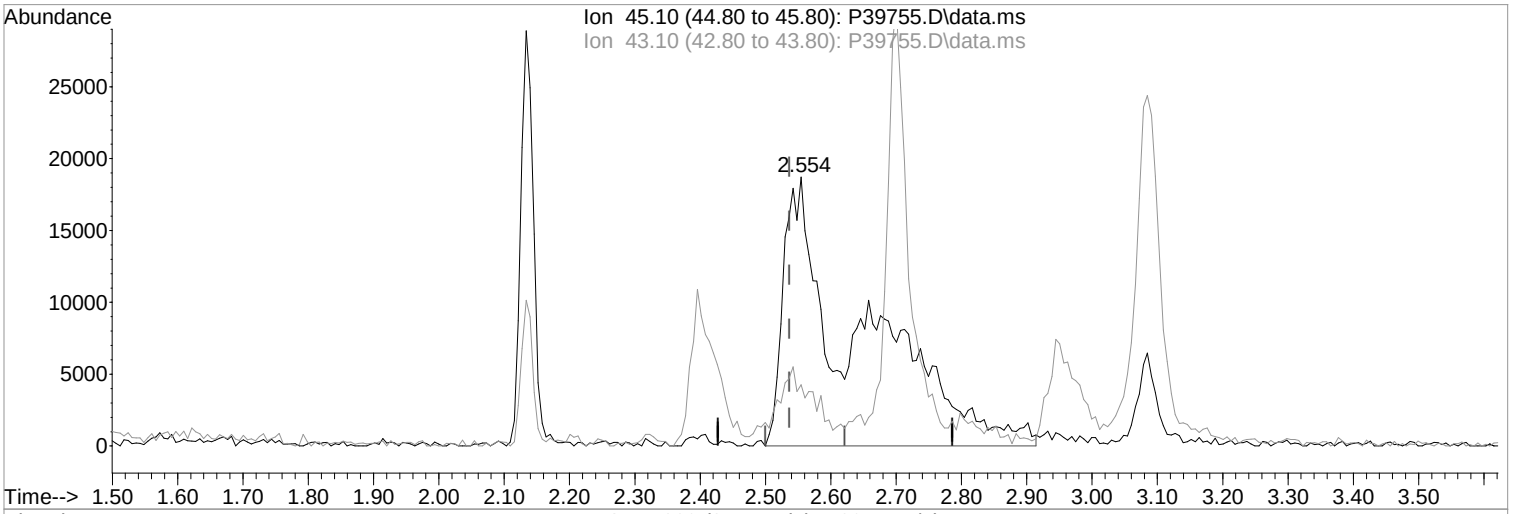
09/18/20

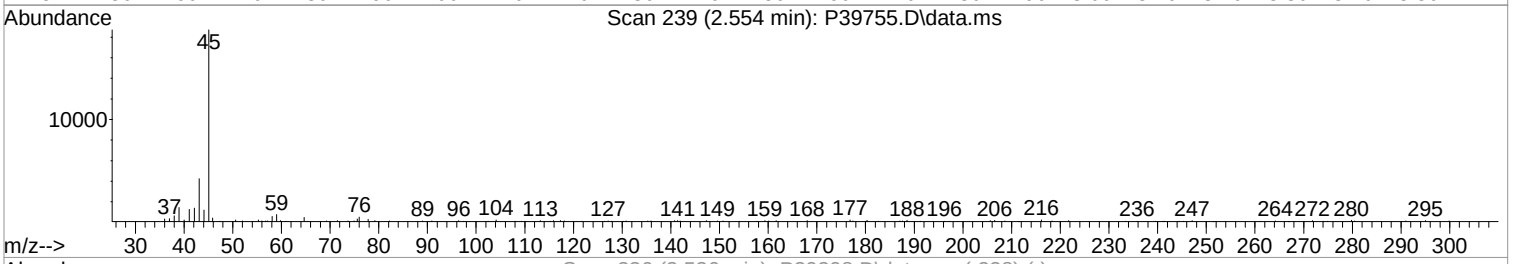
1st 09/18/20
2nd 09/22/20

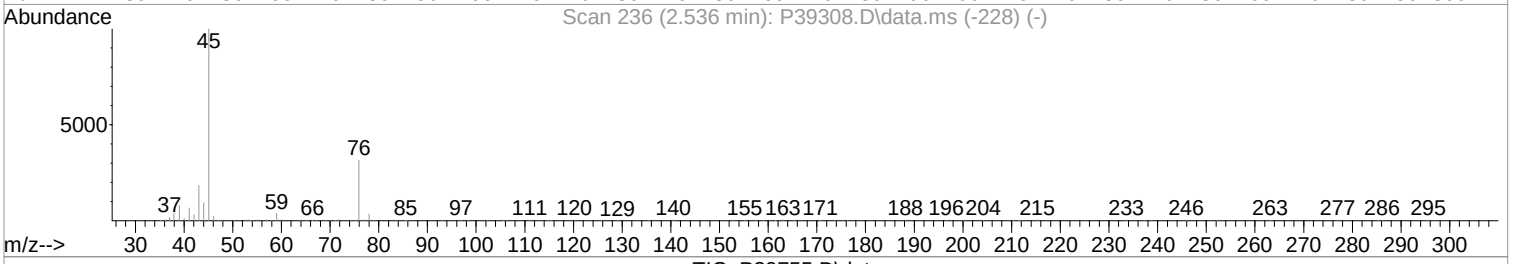
Quantitation Report (Qedit)

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.

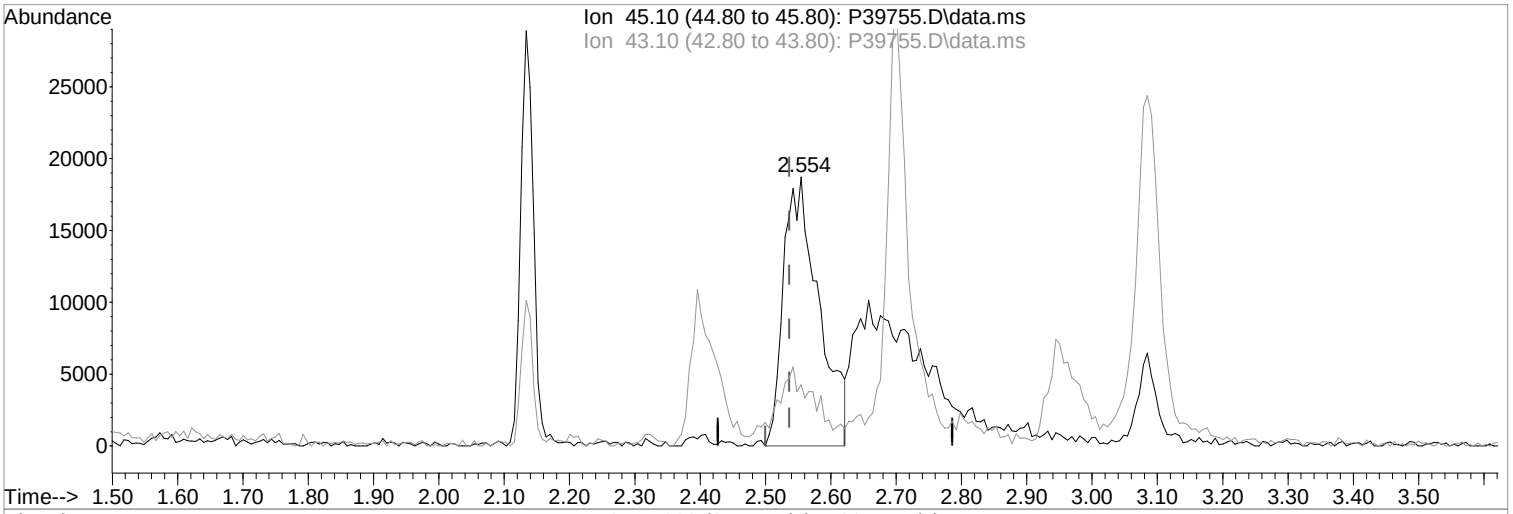
09/18/20

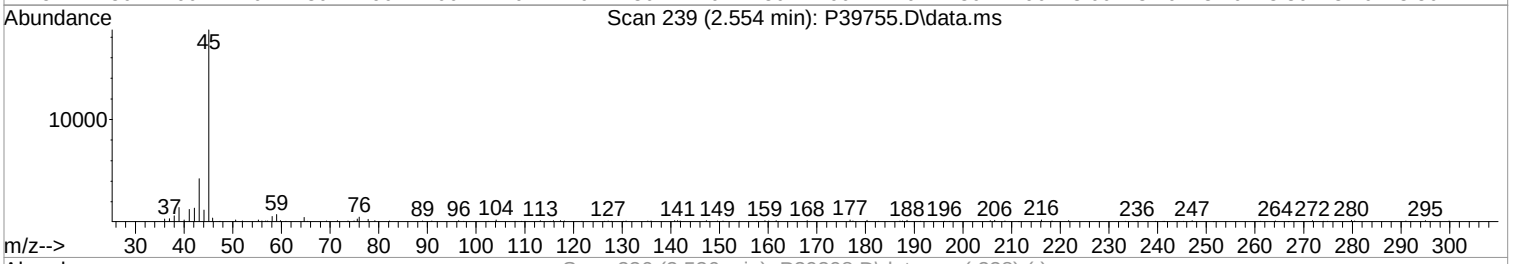
1st 09/18/20
2nd 09/22/20

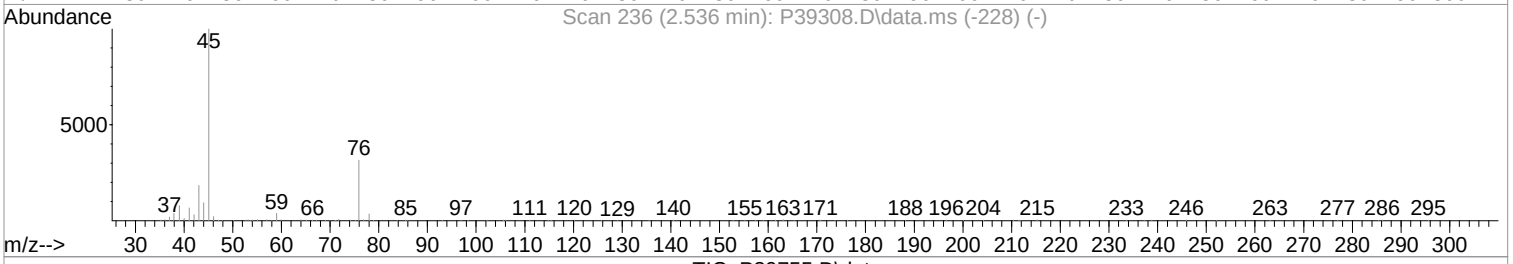
Quantitation Report (Qedit)

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

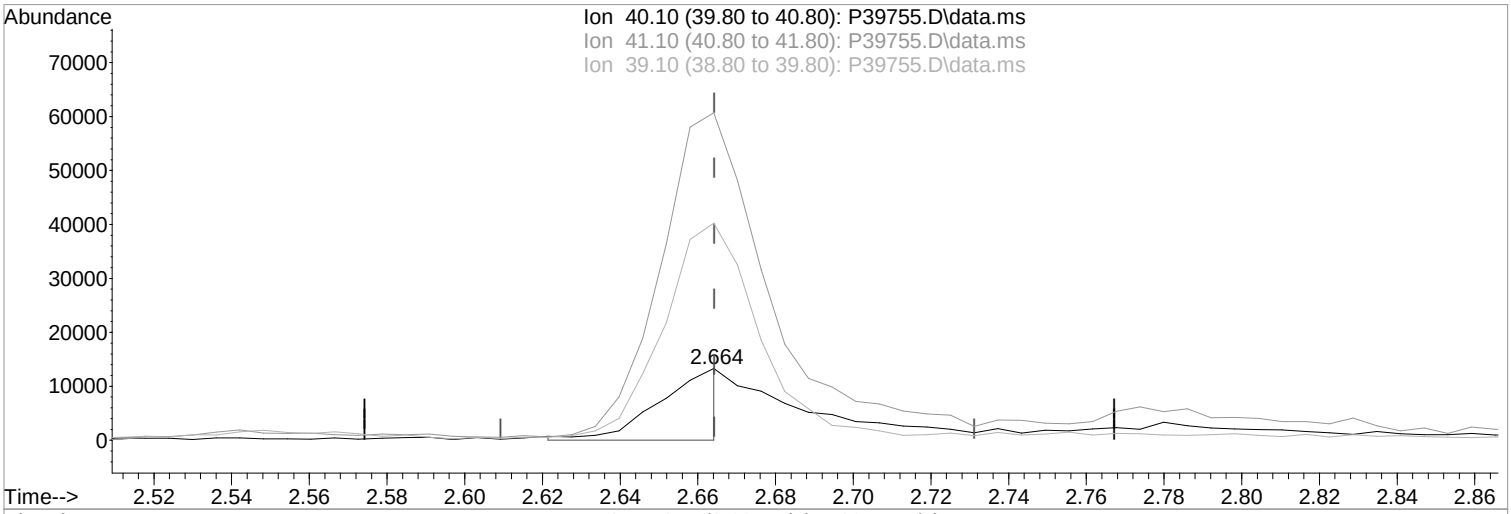
09/18/20

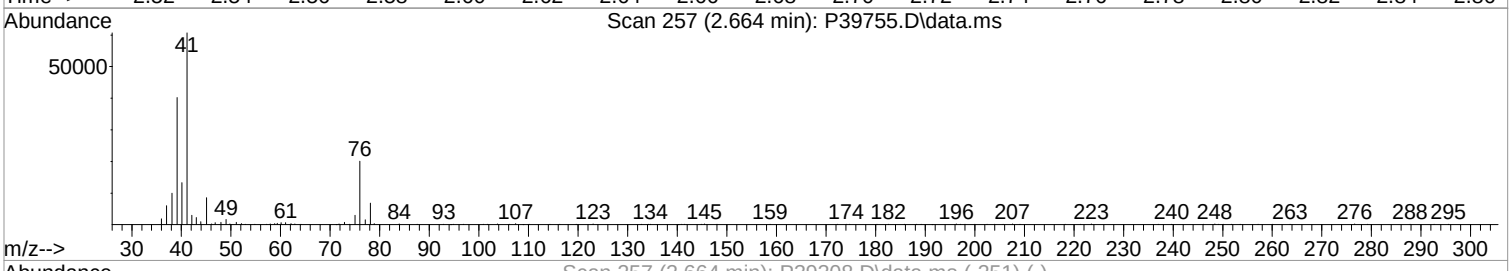
1st 09/18/20
2nd 09/22/20

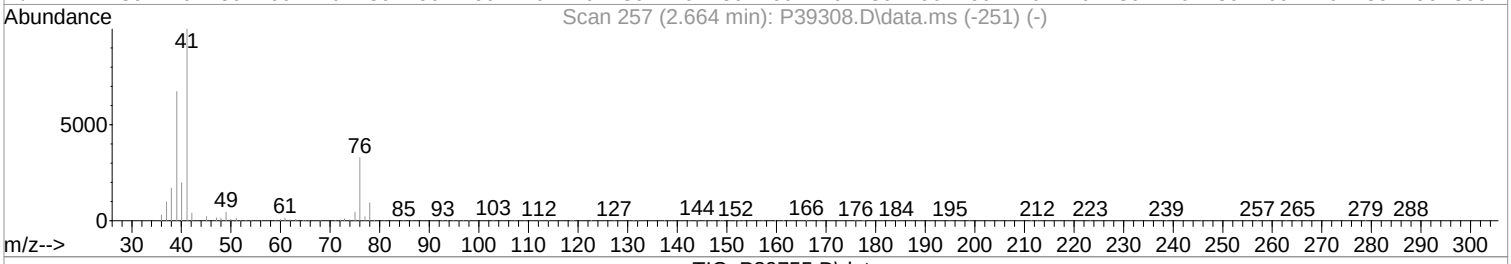
Quantitation Report (Qedit)

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) 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.

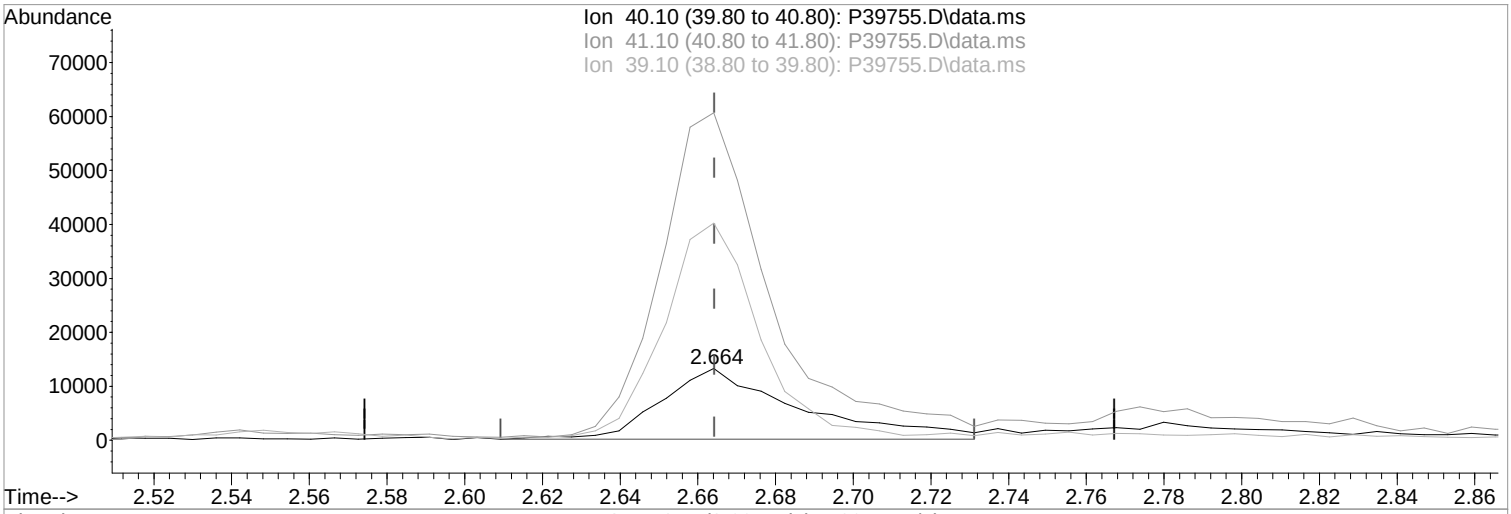
09/18/20

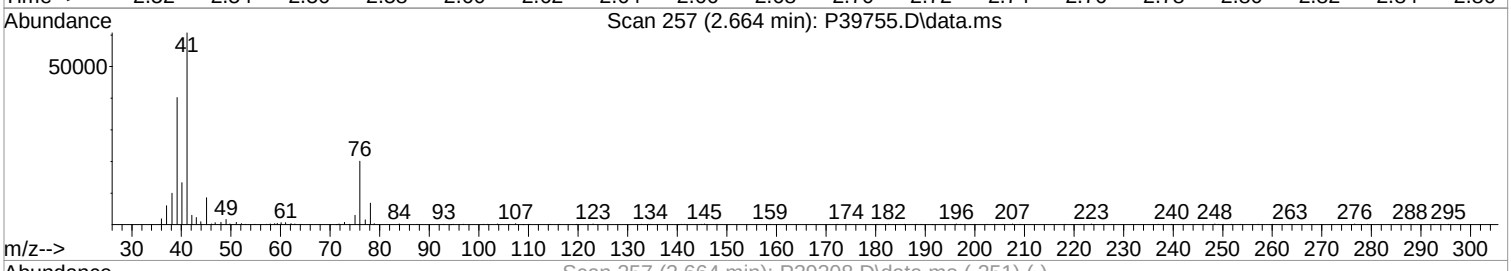
1st 09/18/20
2nd 09/22/20

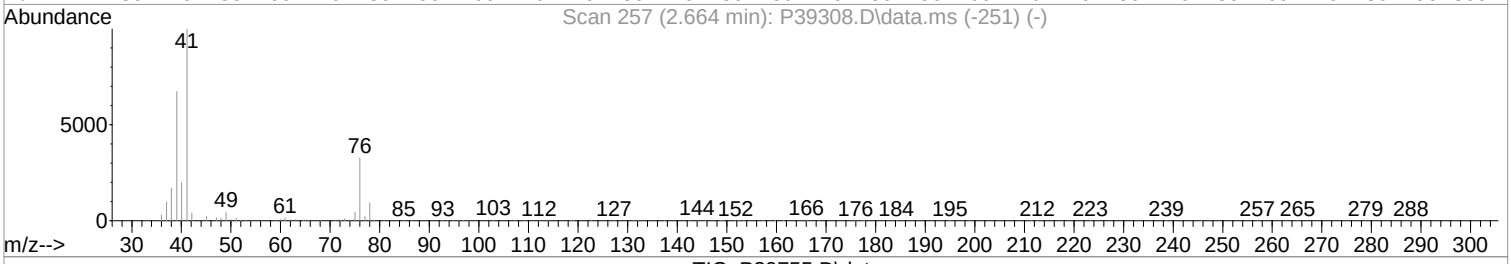
Quantitation Report (Qedit)

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

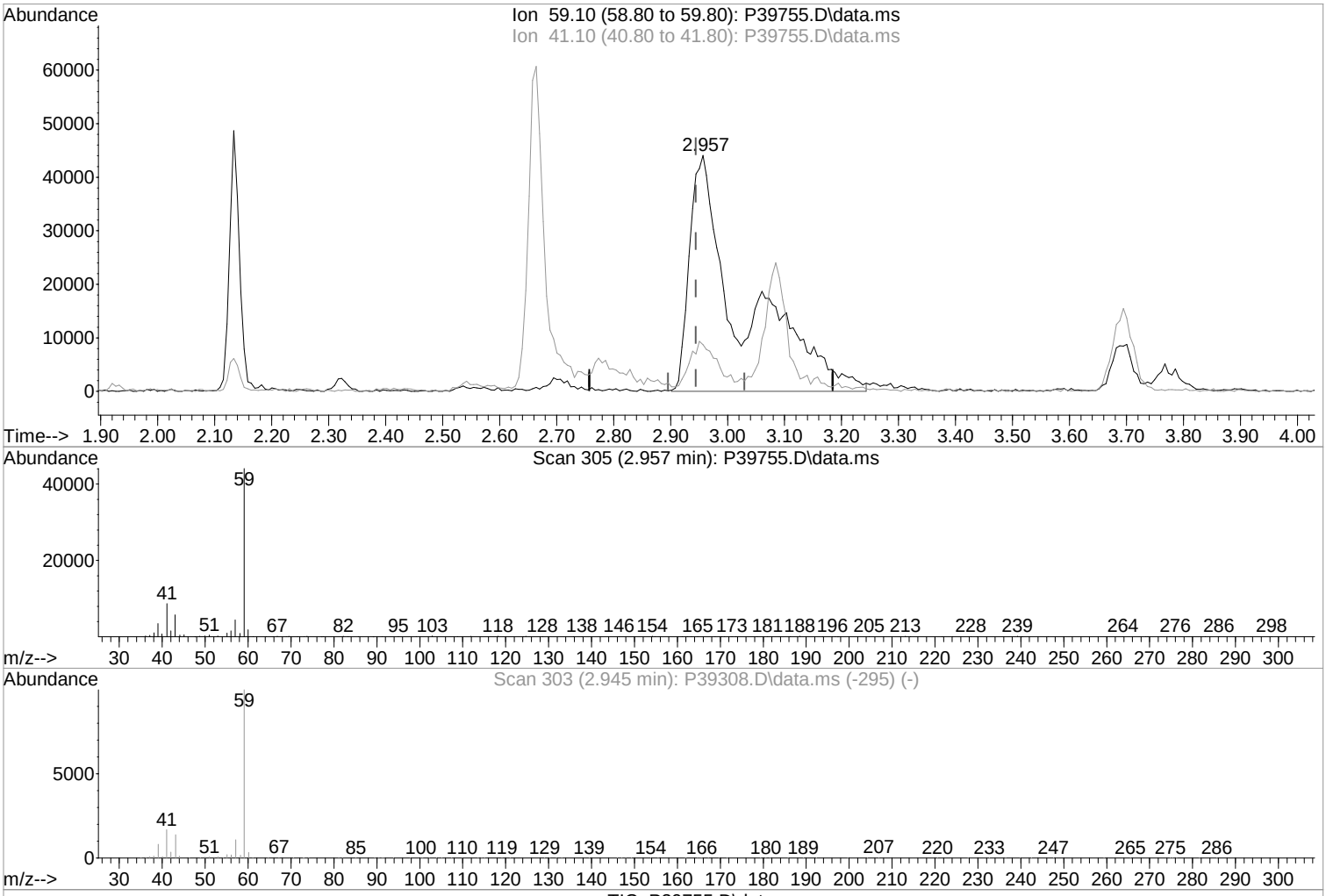
09/18/20

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.

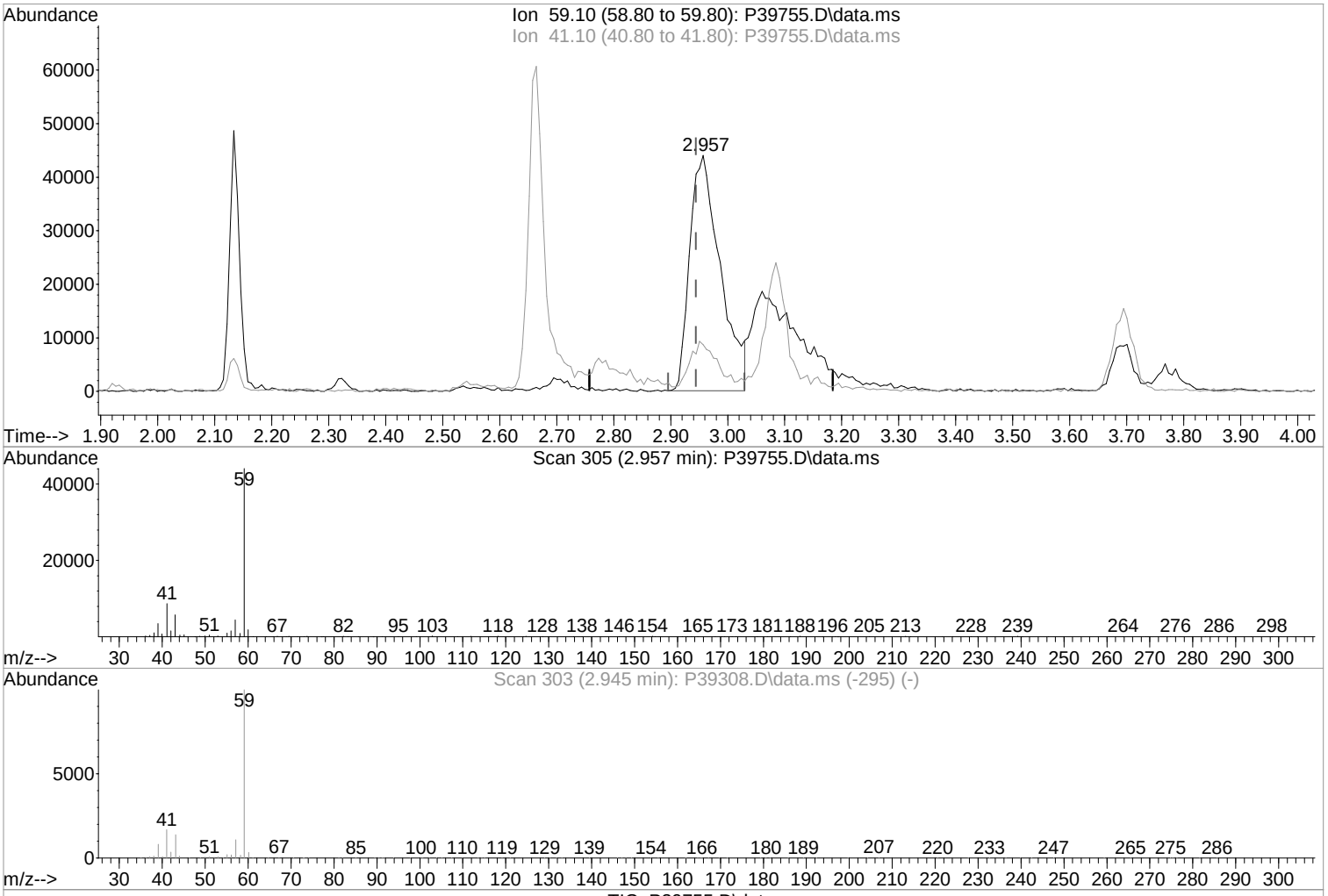
09/18/20

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

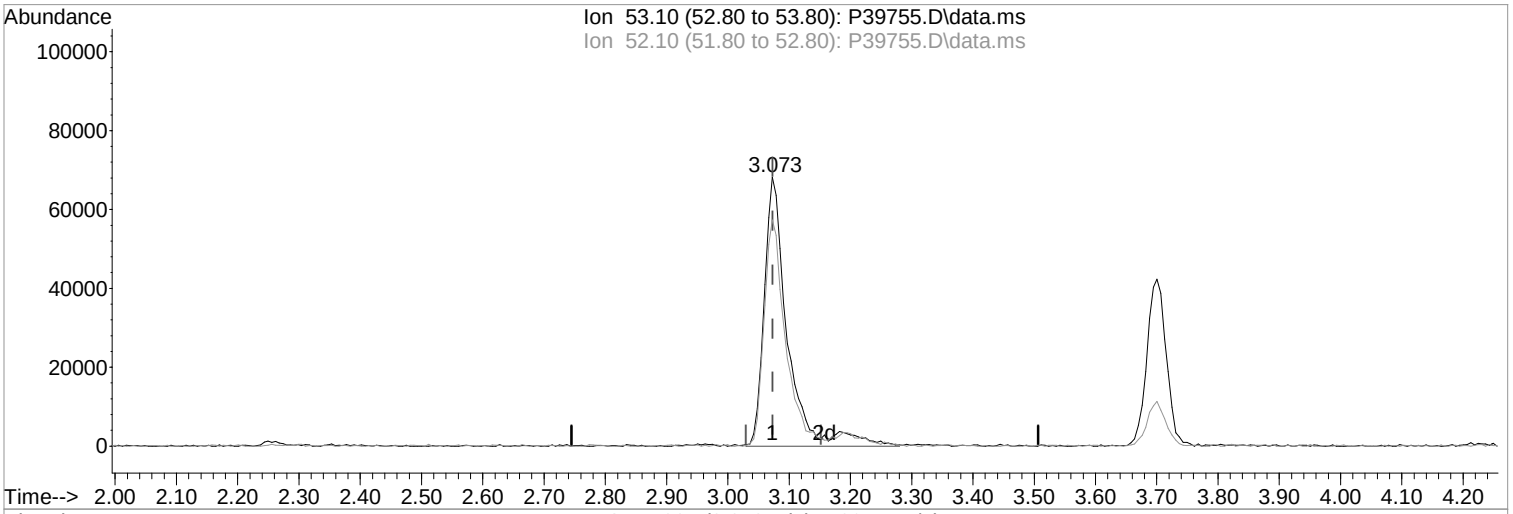
09/18/20

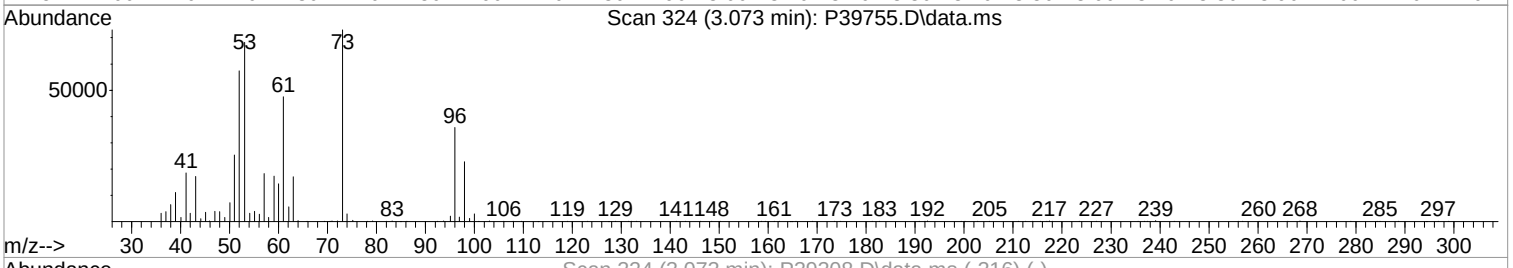
1st 09/18/20
2nd 09/22/20

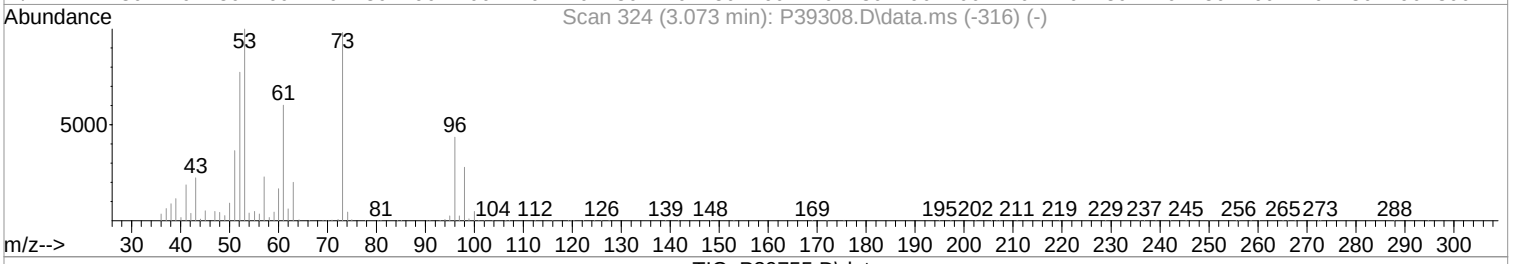
Quantitation Report (Qedit)

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.

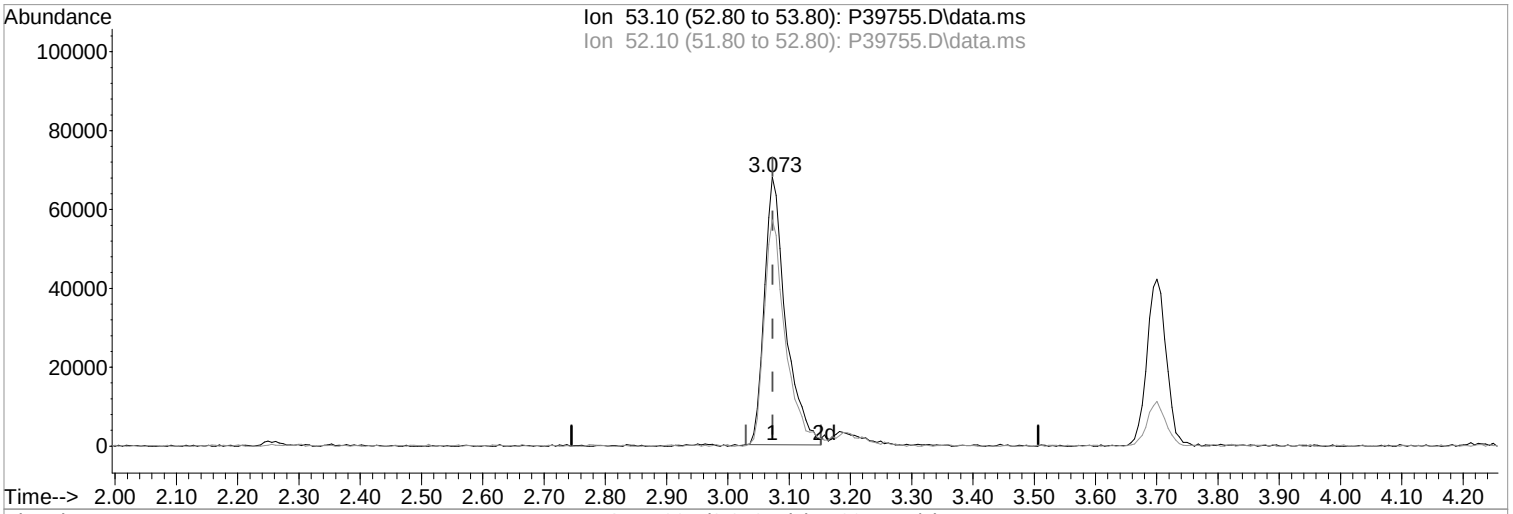
09/18/20

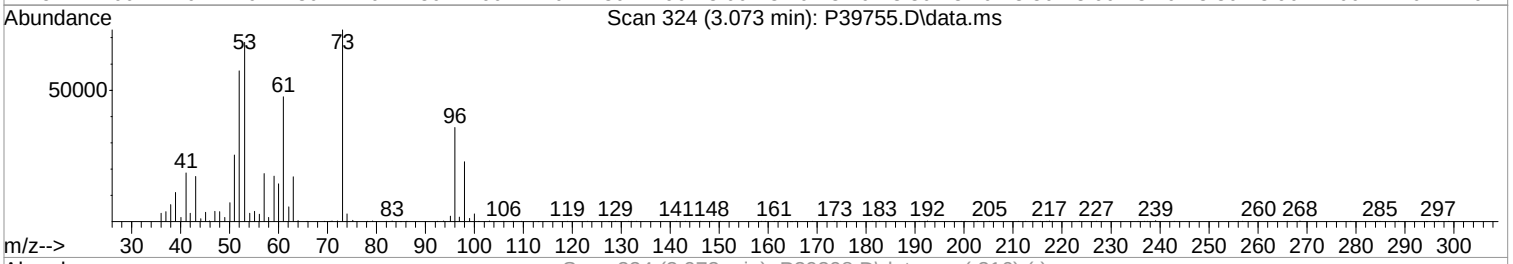
1st 09/18/20
2nd 09/22/20

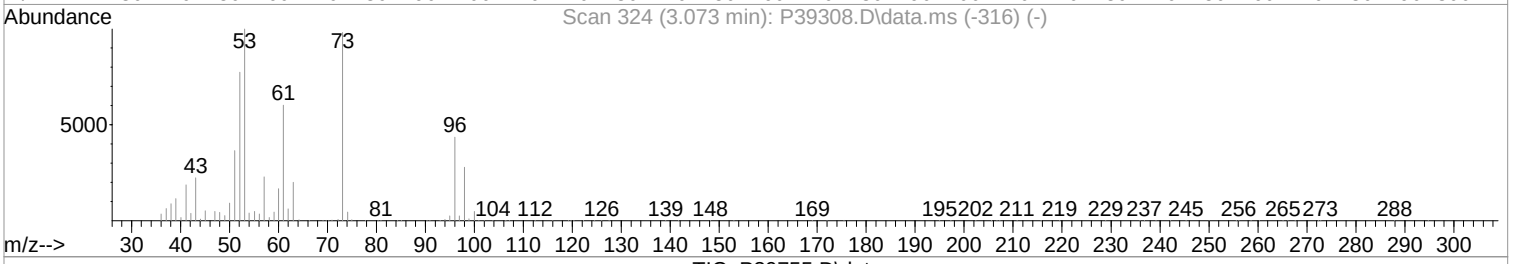
Quantitation Report (Qedit)

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:

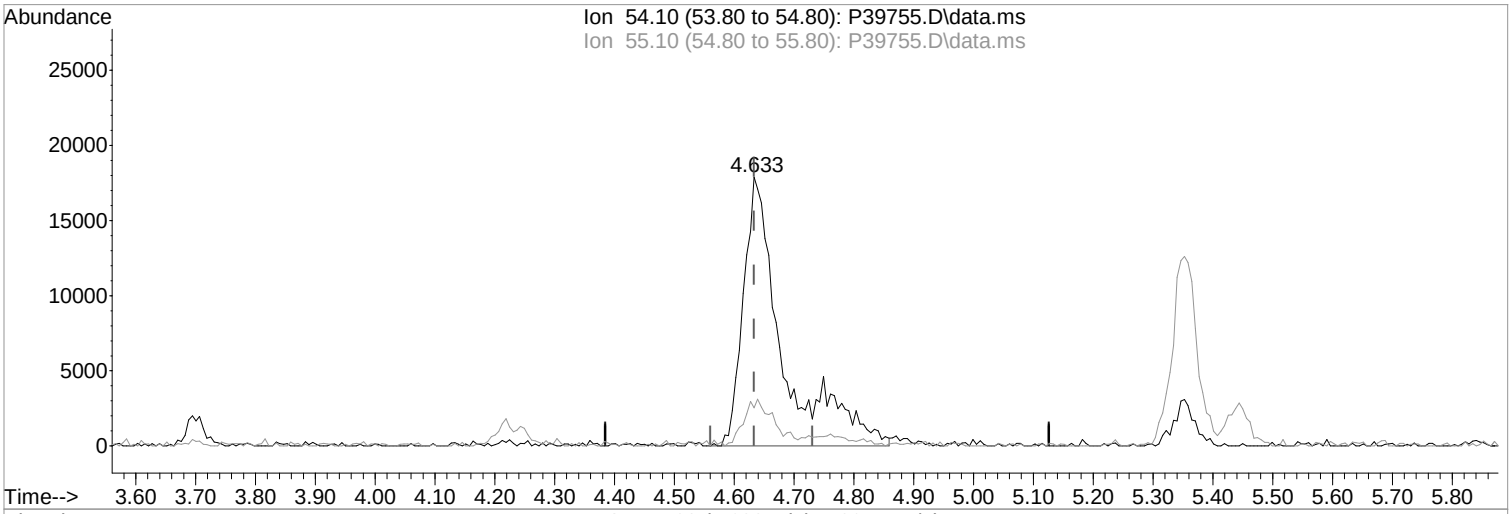
Before

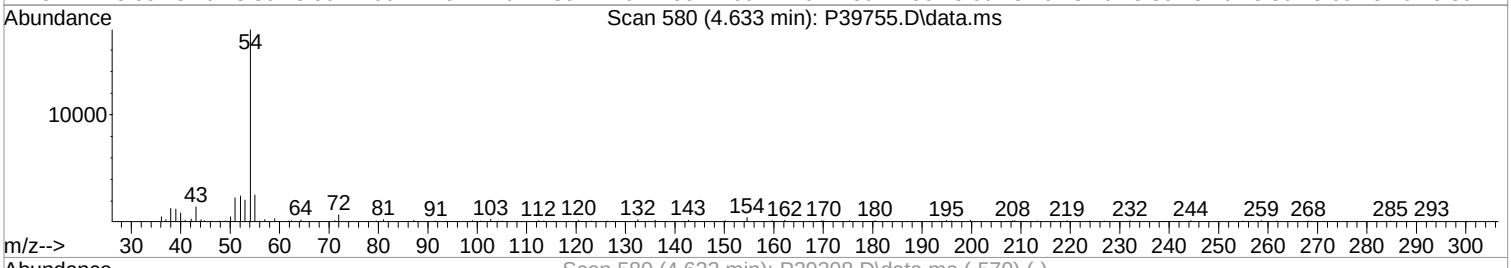
09/18/20

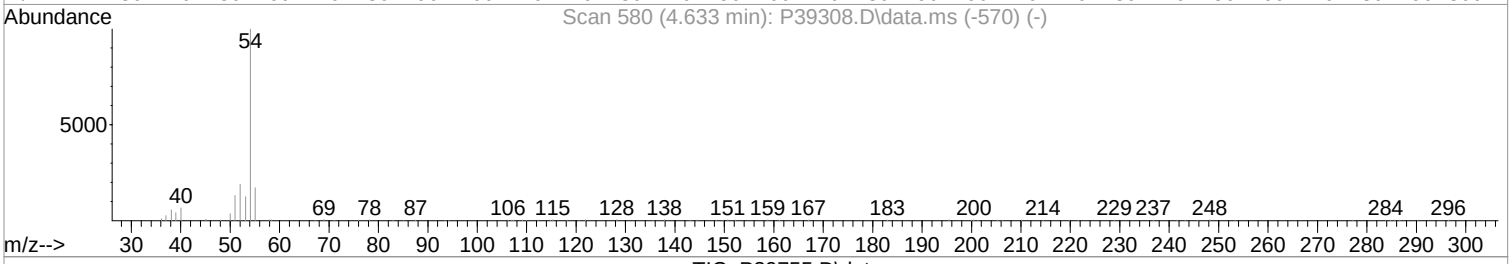
Quantitation Report (Qedit)

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

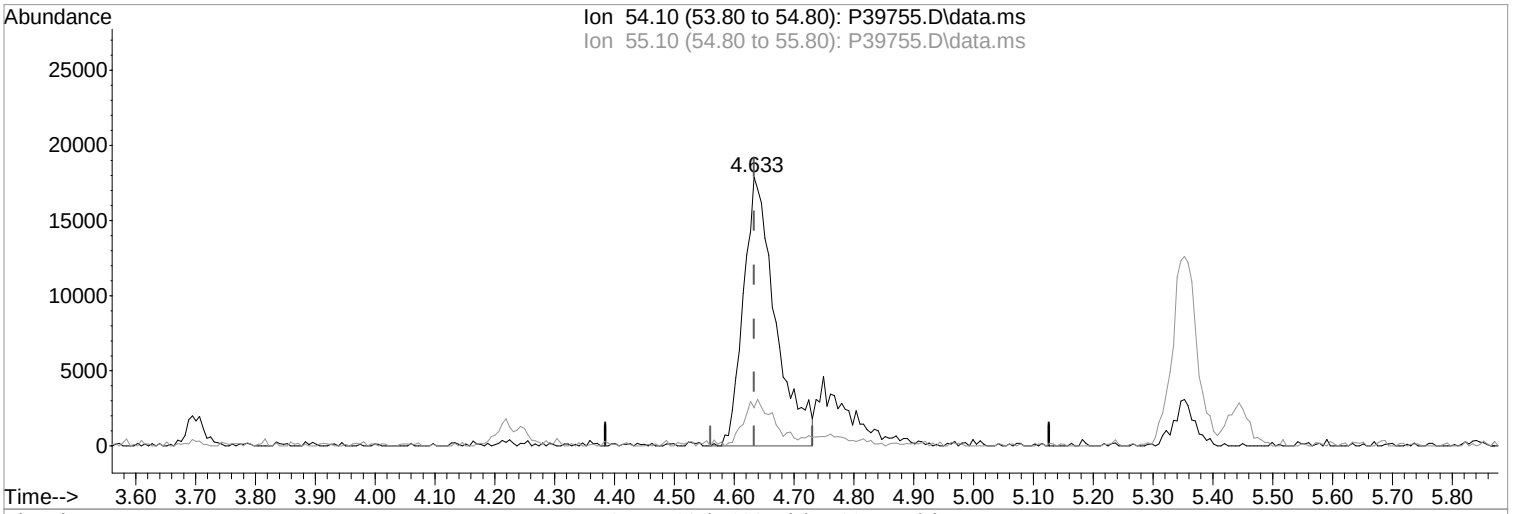
Poor integration.

09/18/20

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

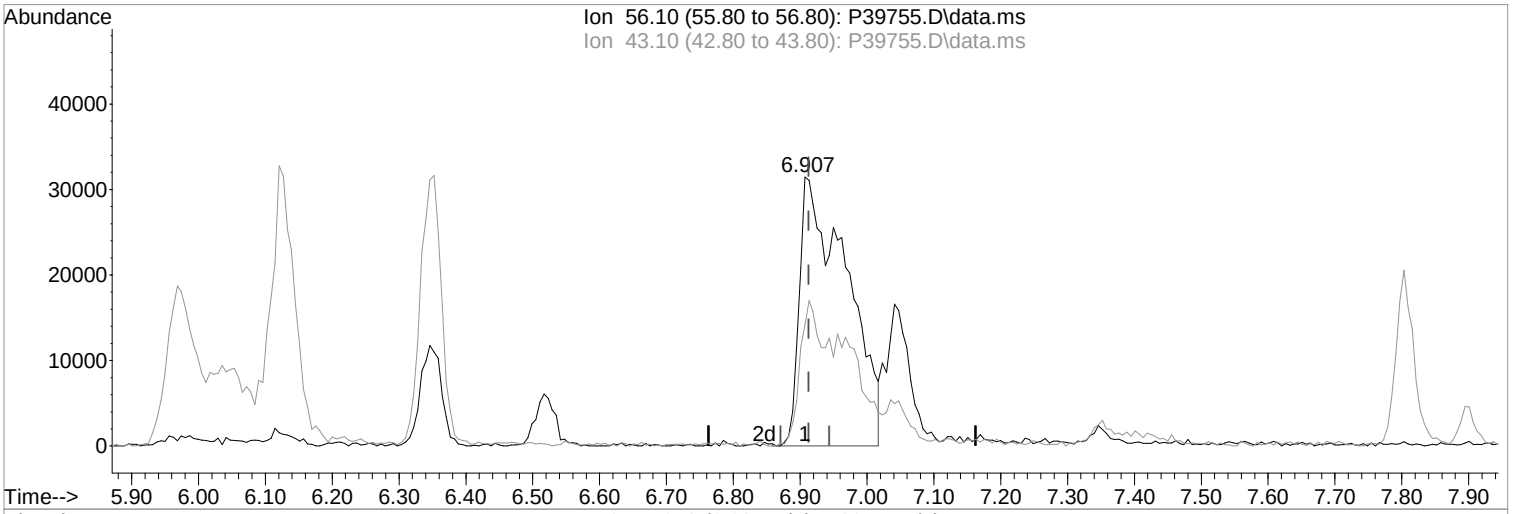
09/18/20

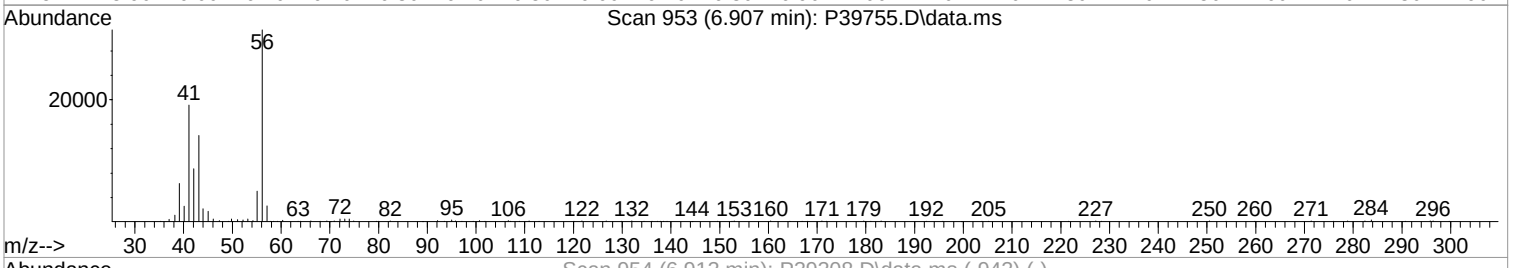
1st 09/18/20
2nd 09/22/20

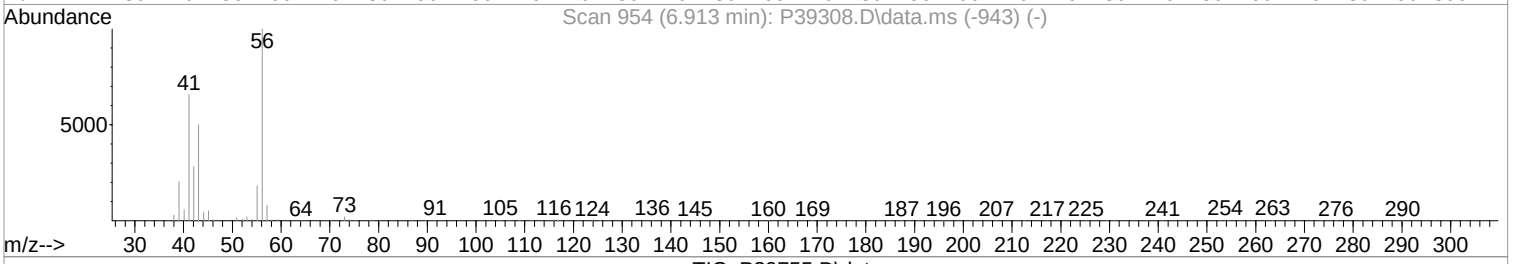
Quantitation Report (Qedit)

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.

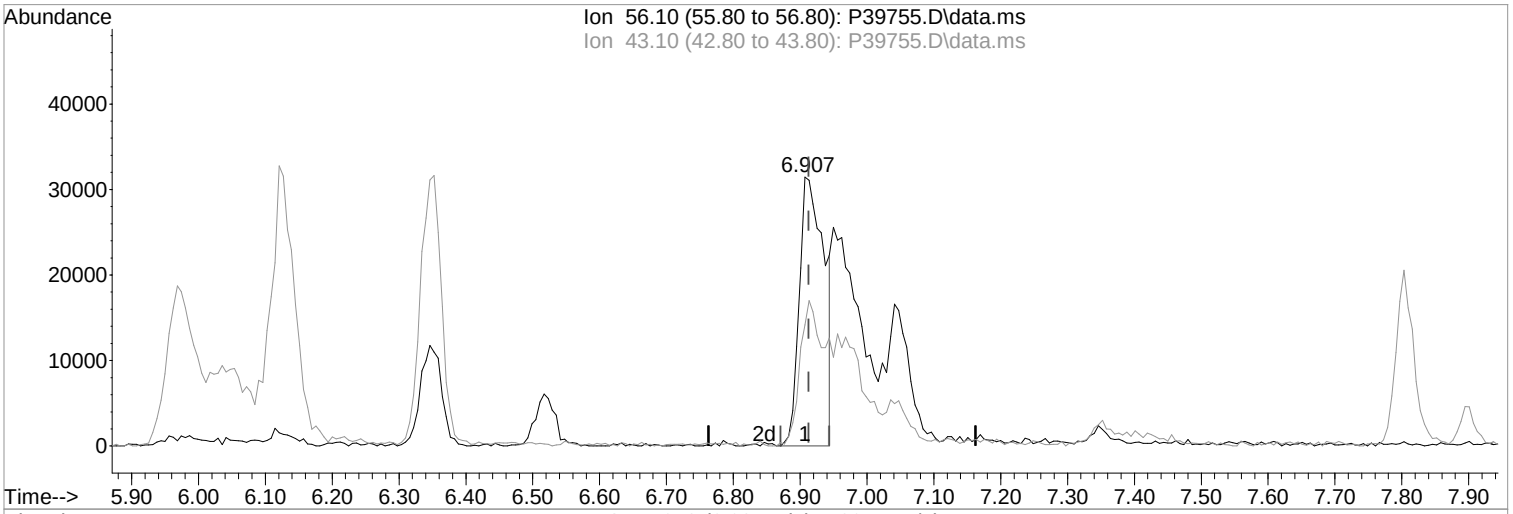
09/18/20

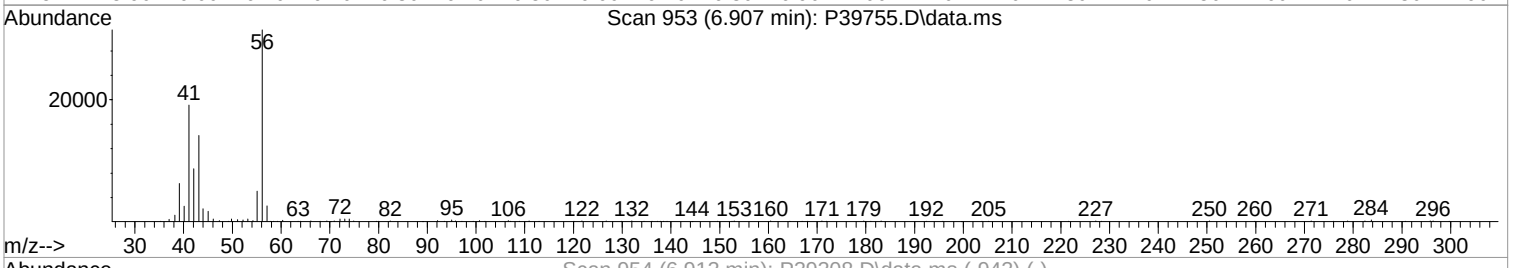
1st 09/18/20
2nd 09/22/20

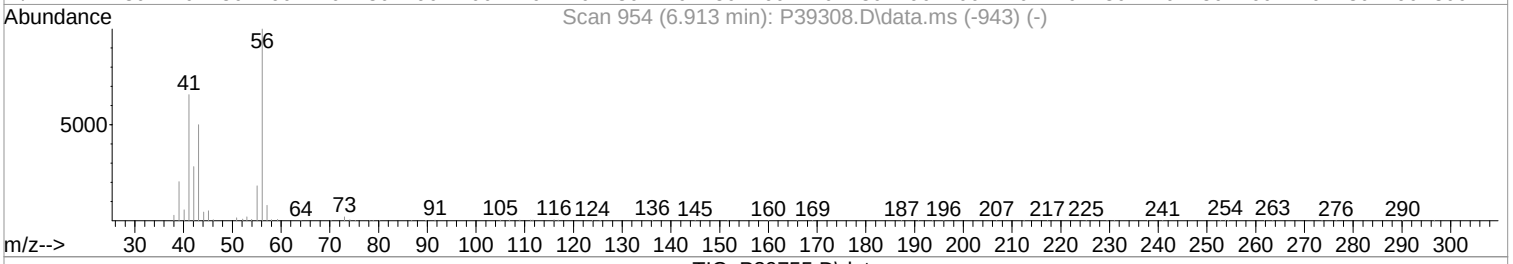
Quantitation Report (Qedit)

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:

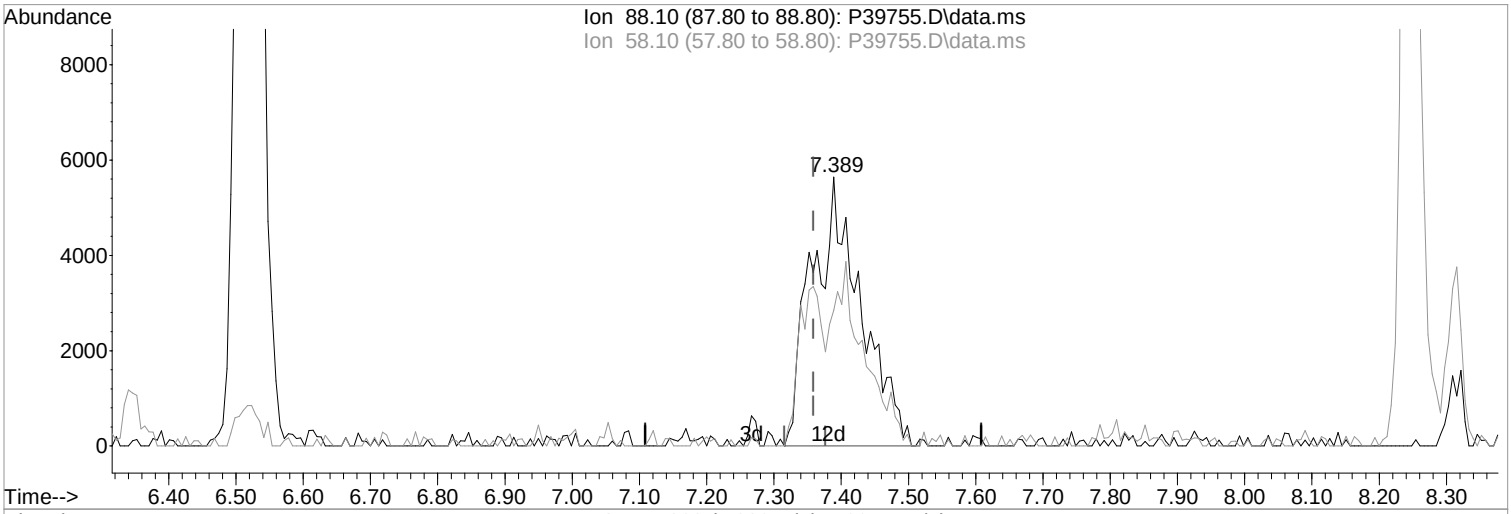
Before

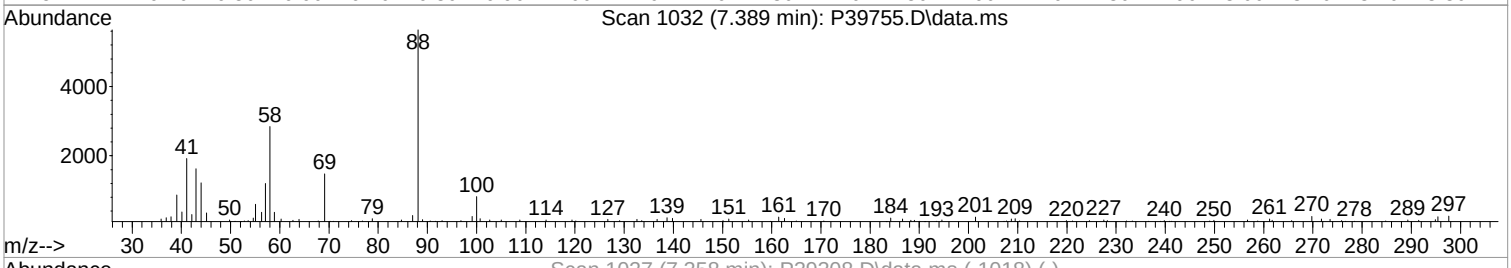
09/18/20

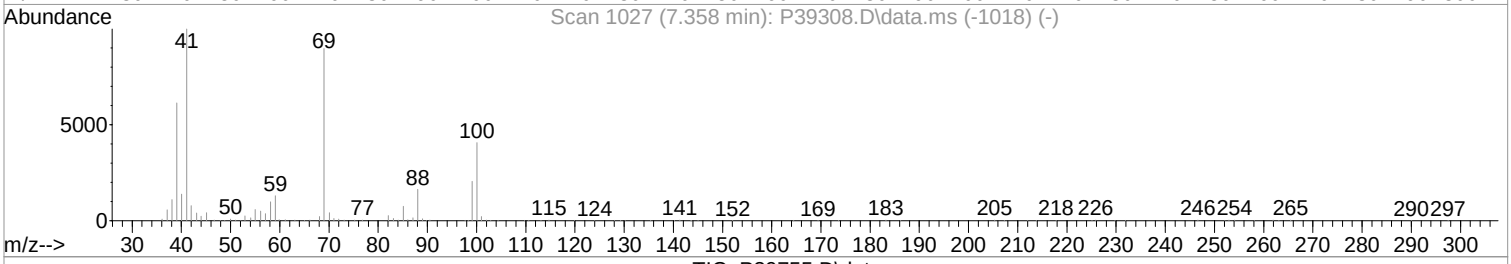
Quantitation Report (Qedit)

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

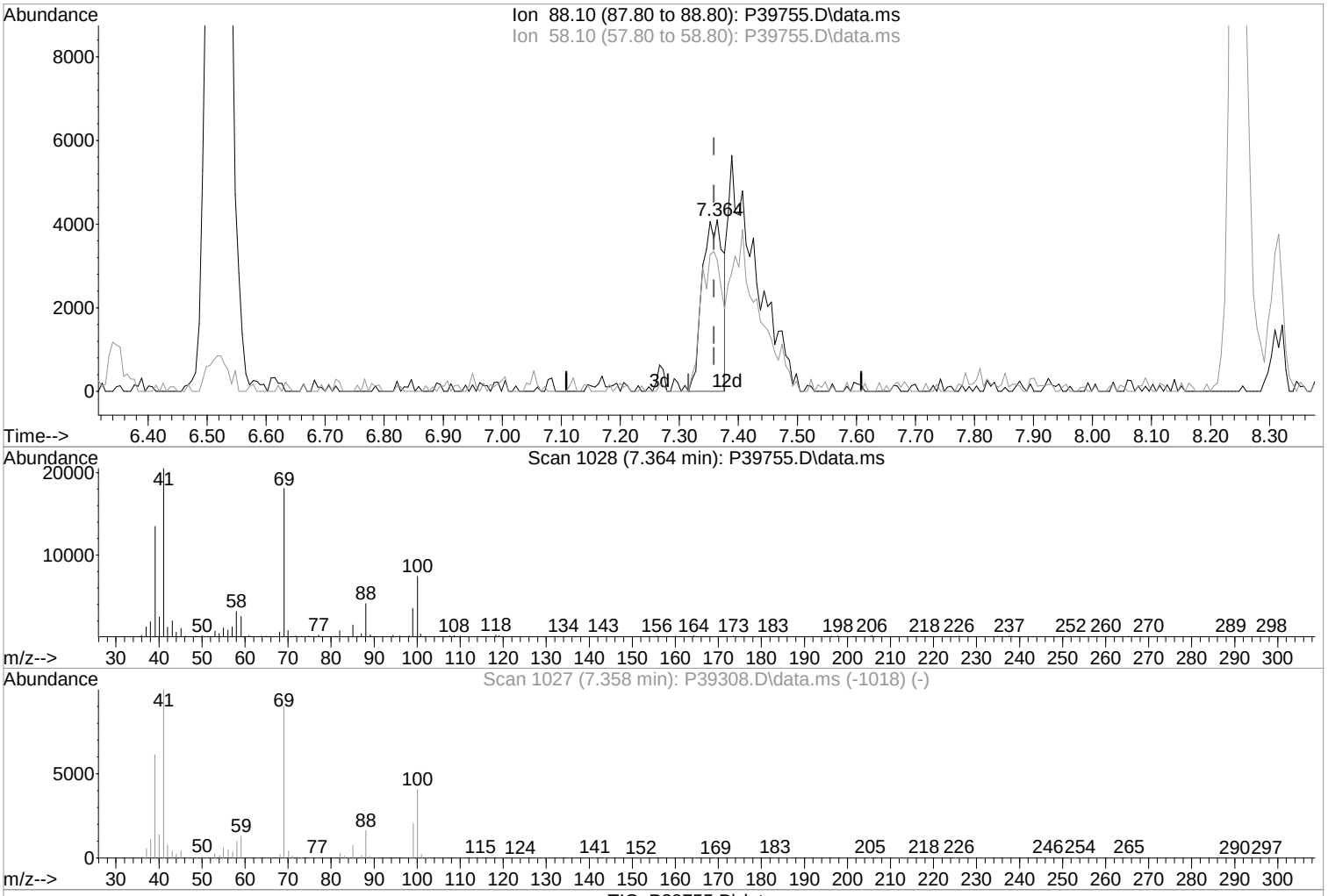
09/18/20

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

(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

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

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

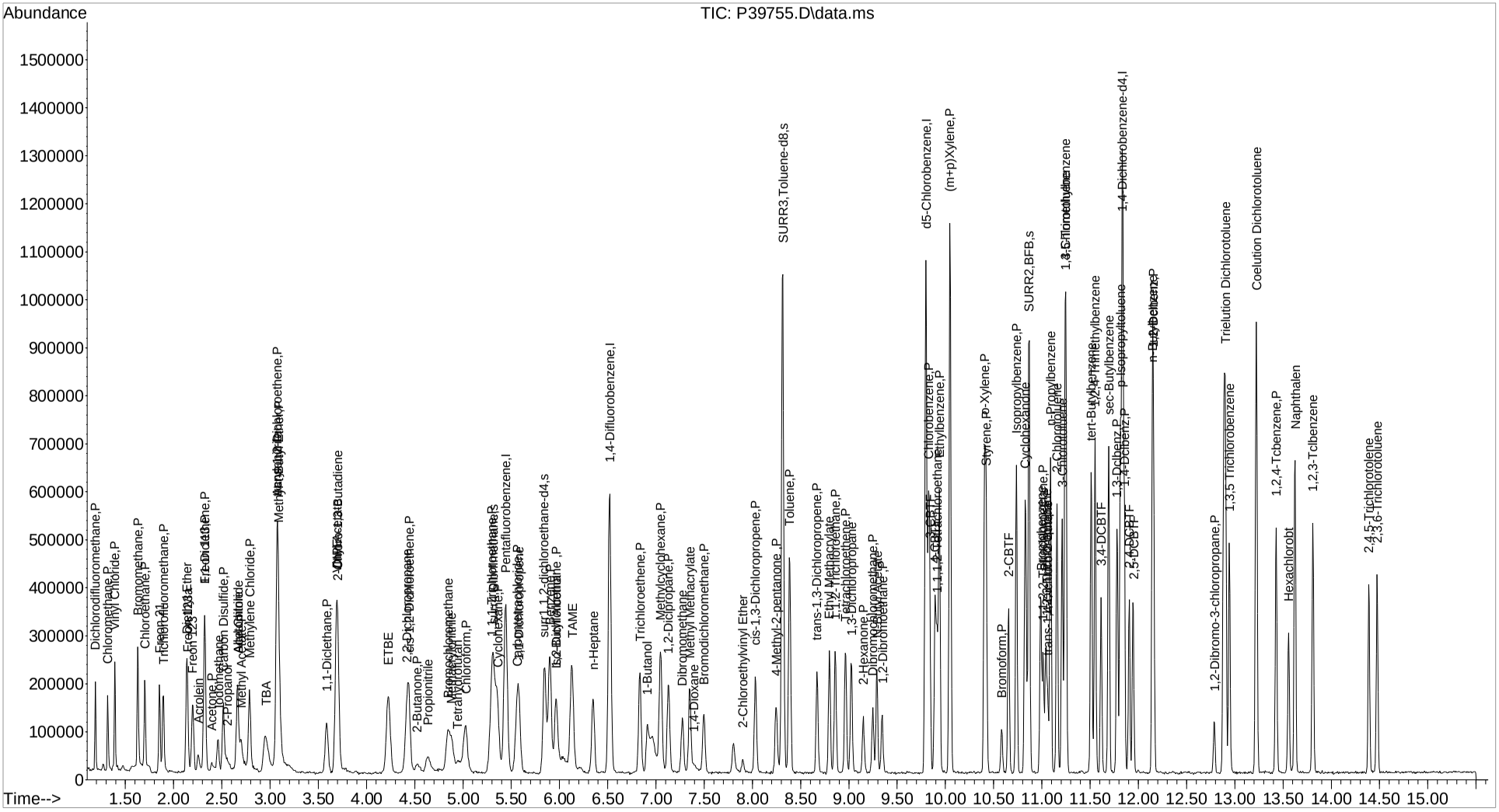
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39755.D
Acq On : 17 Sep 2020 9:41 pm
Operator : K.Ruest
Sample : LCS-UNP Inst : MSVOA-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 10:13:46 2020
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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

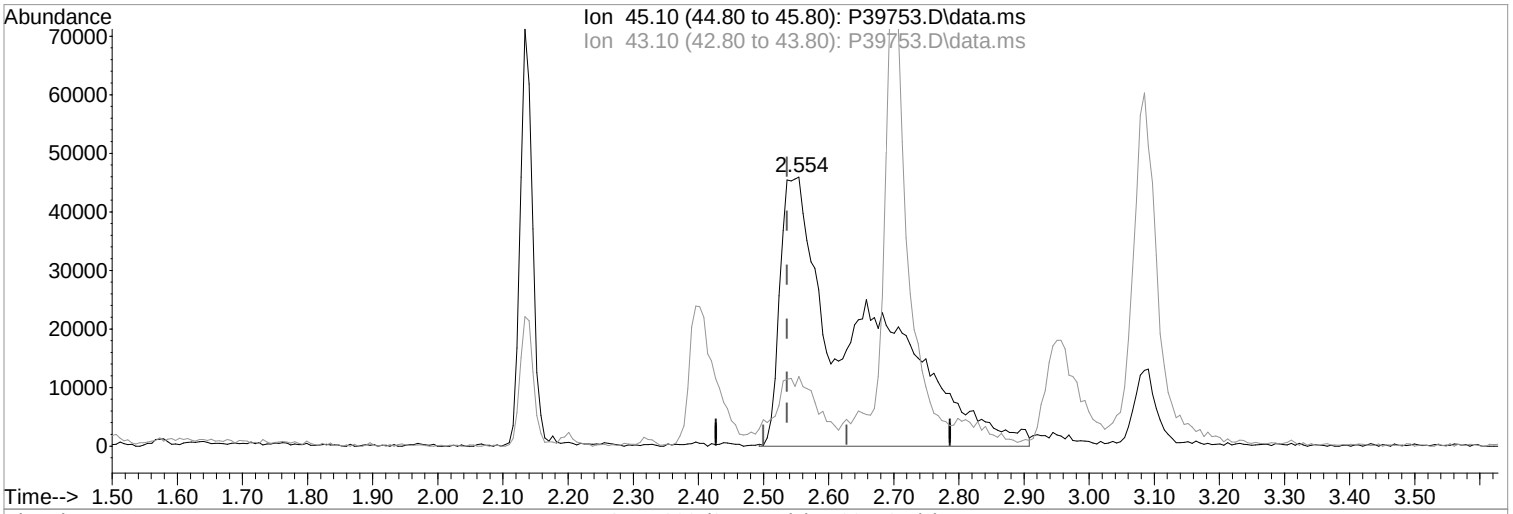


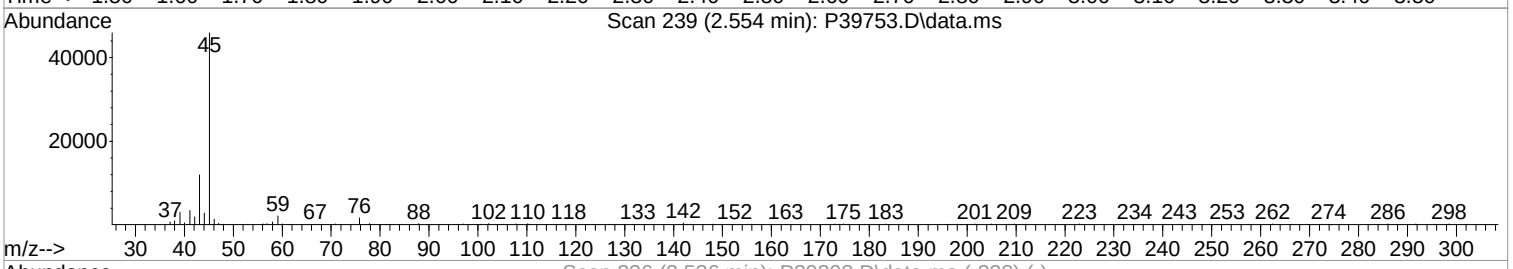
1st 09/18/20
2nd 09/22/20

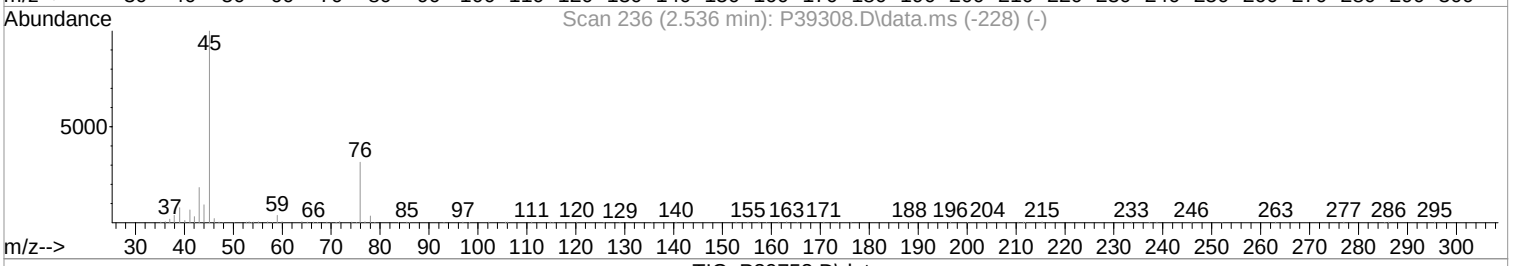
Quantitation Report (Qedit)

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

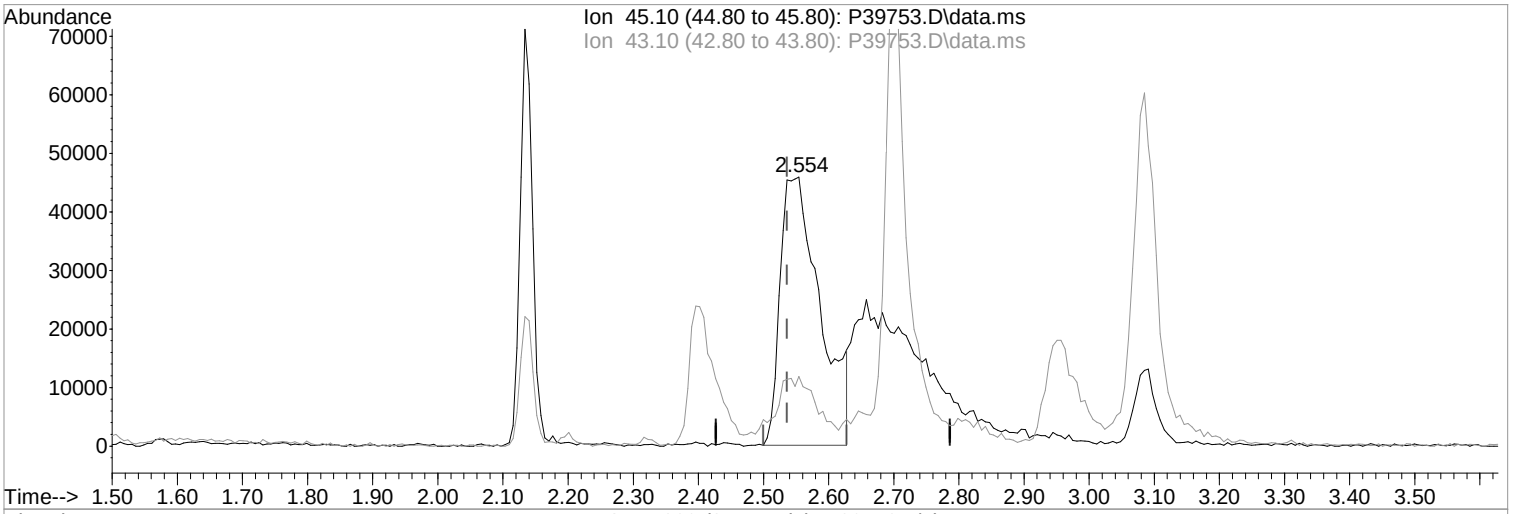
Poor integration.

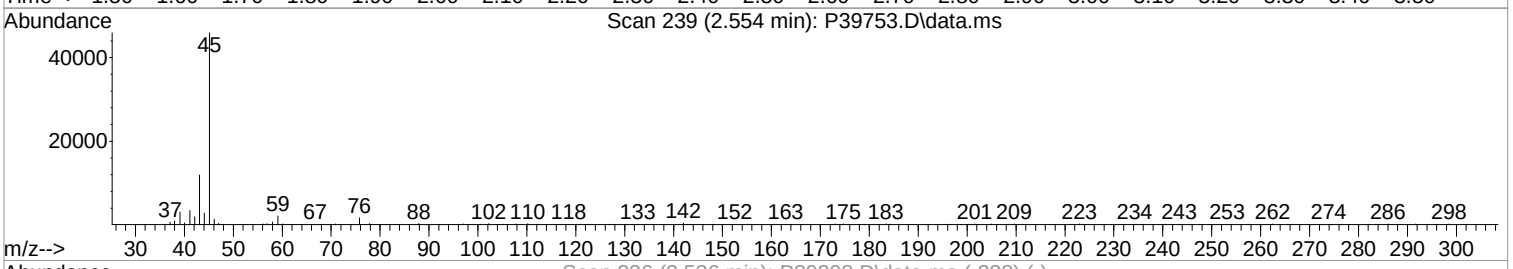
09/18/20

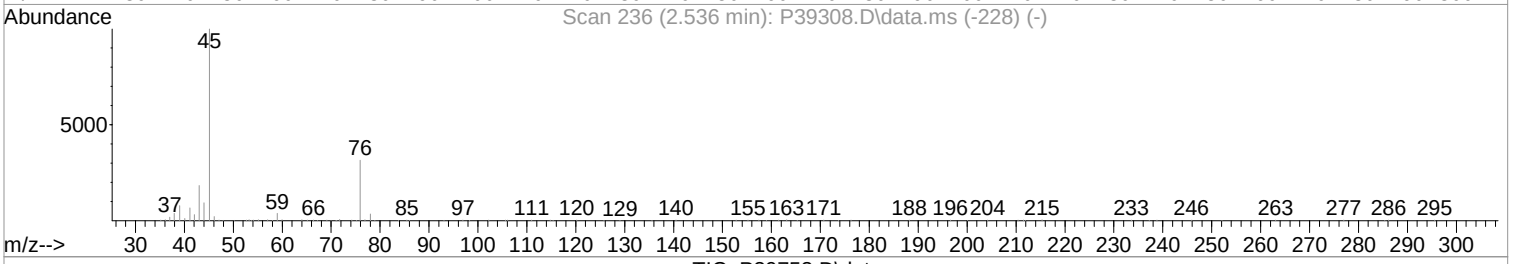
Quantitation Report (Qedit)

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

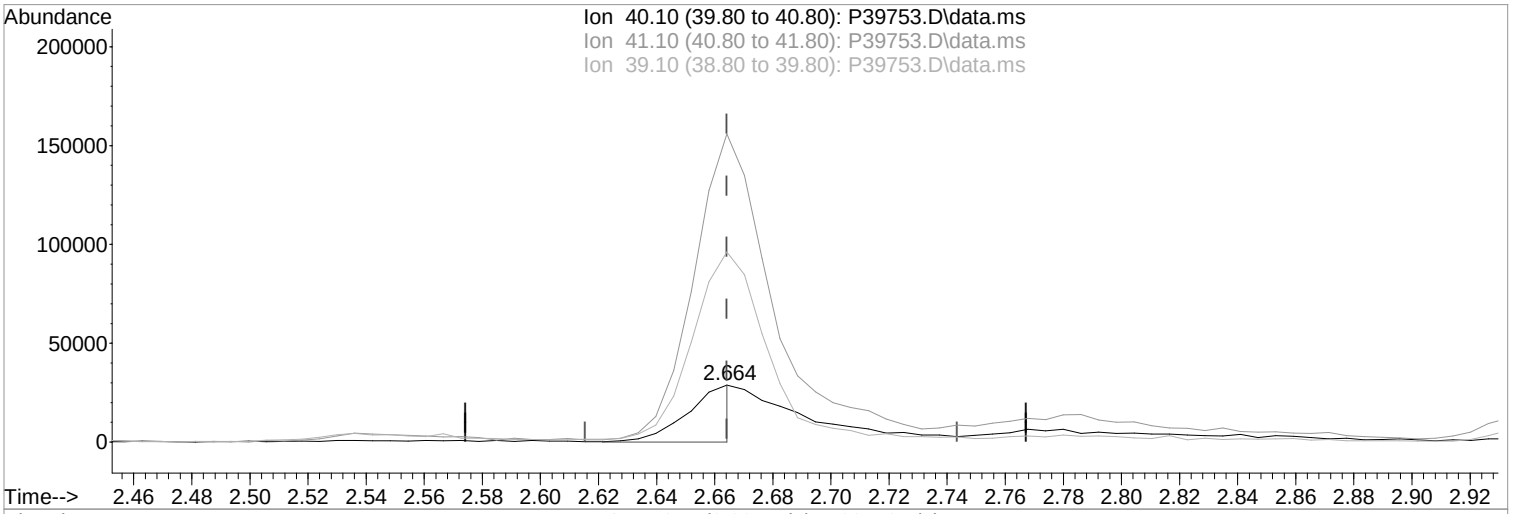
09/18/20

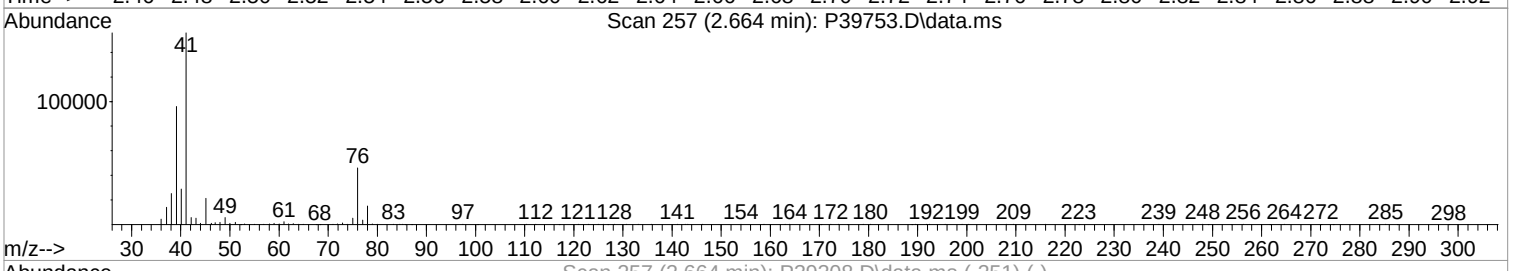
1st 09/18/20
2nd 09/22/20

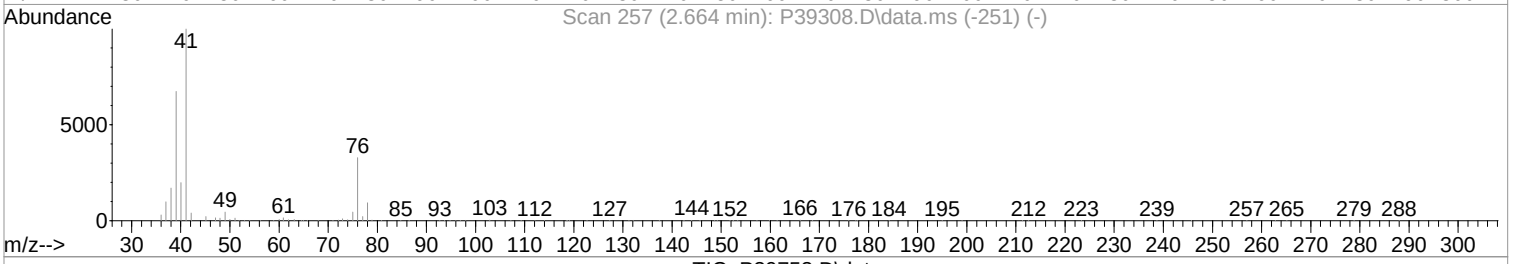
Quantitation Report (Qedit)

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.

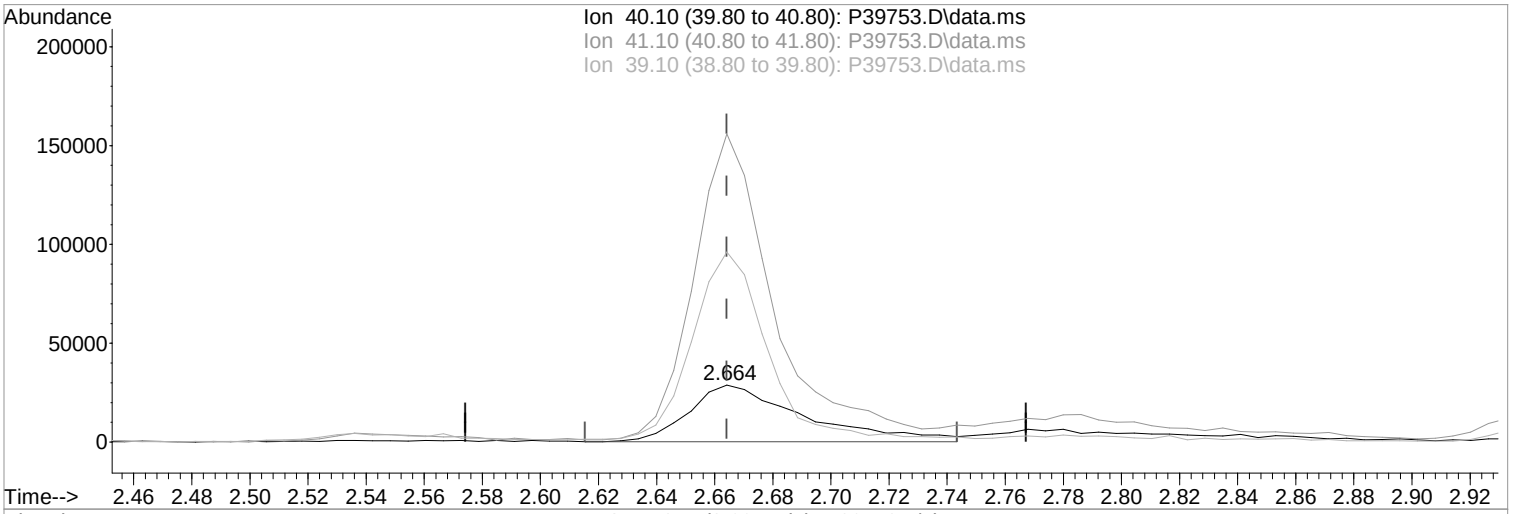
09/18/20

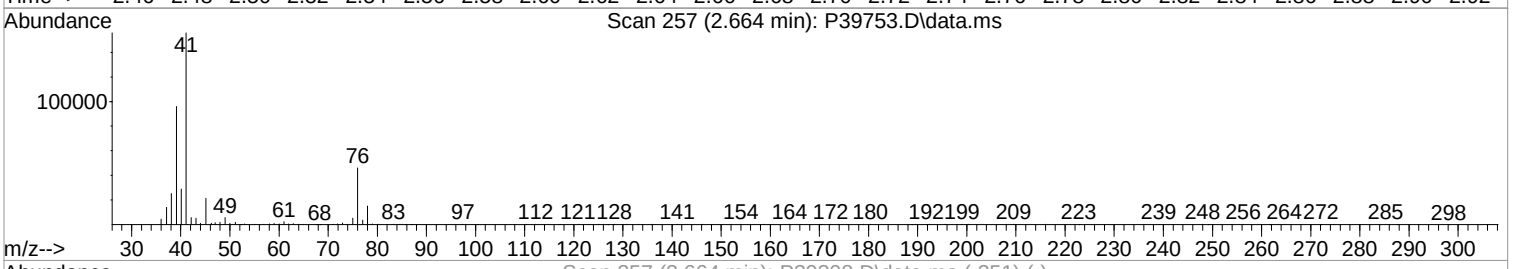
1st 09/18/20
2nd 09/22/20

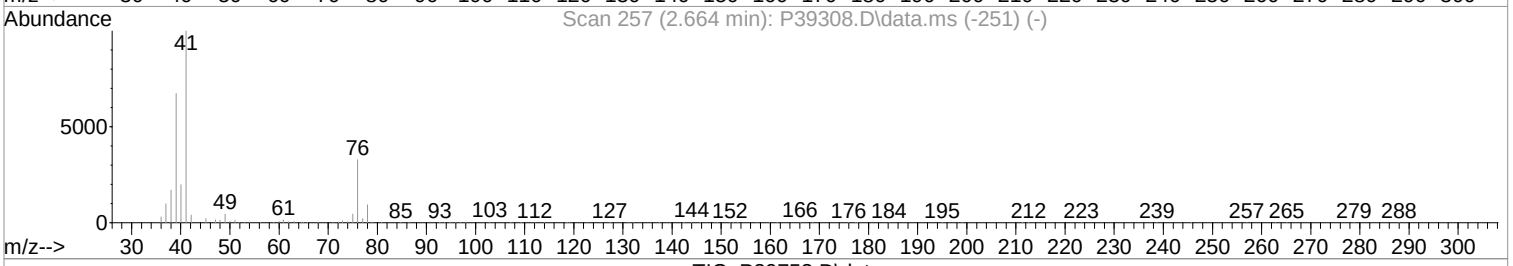
Quantitation Report (Qedit)

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

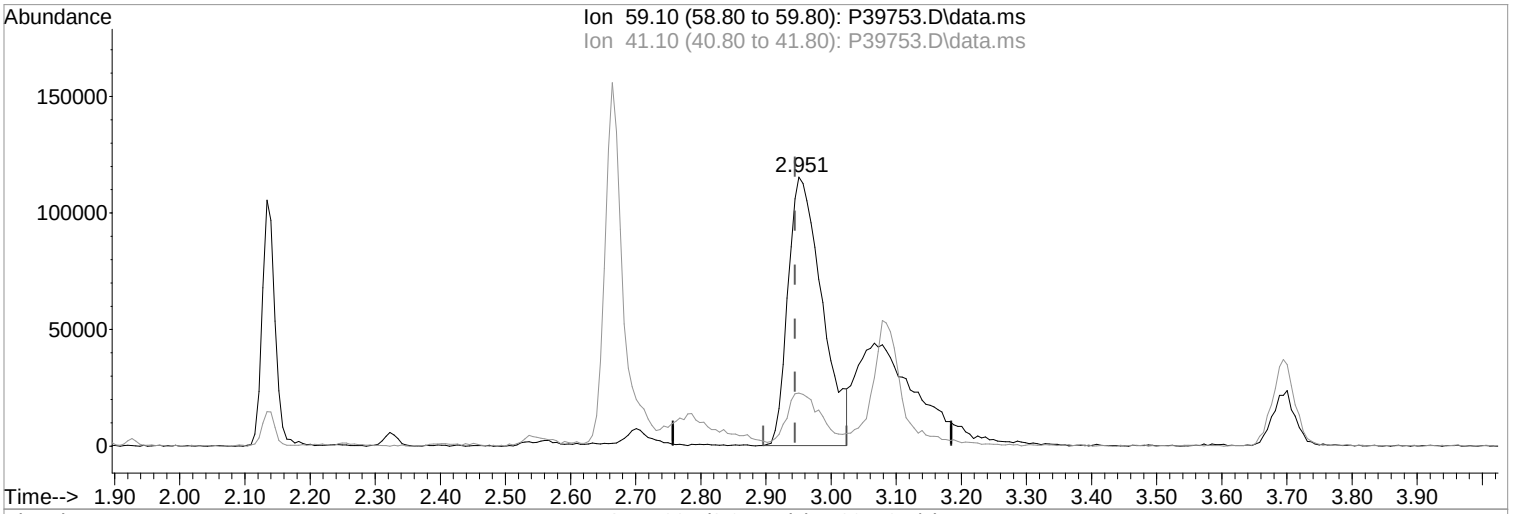
09/18/20

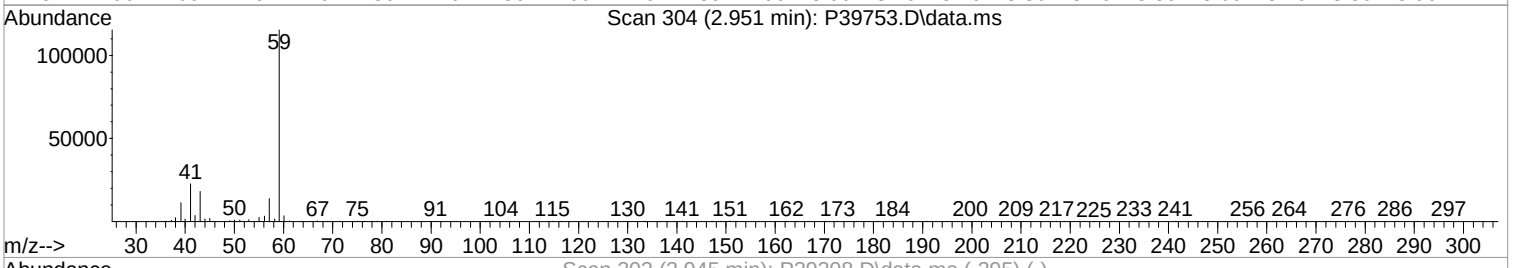
1st 09/18/20
2nd 09/22/20

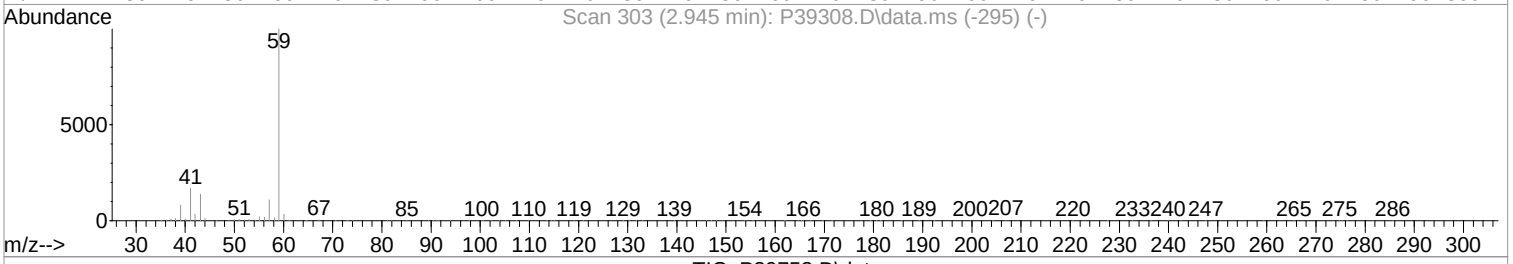
Quantitation Report (Qedit)

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

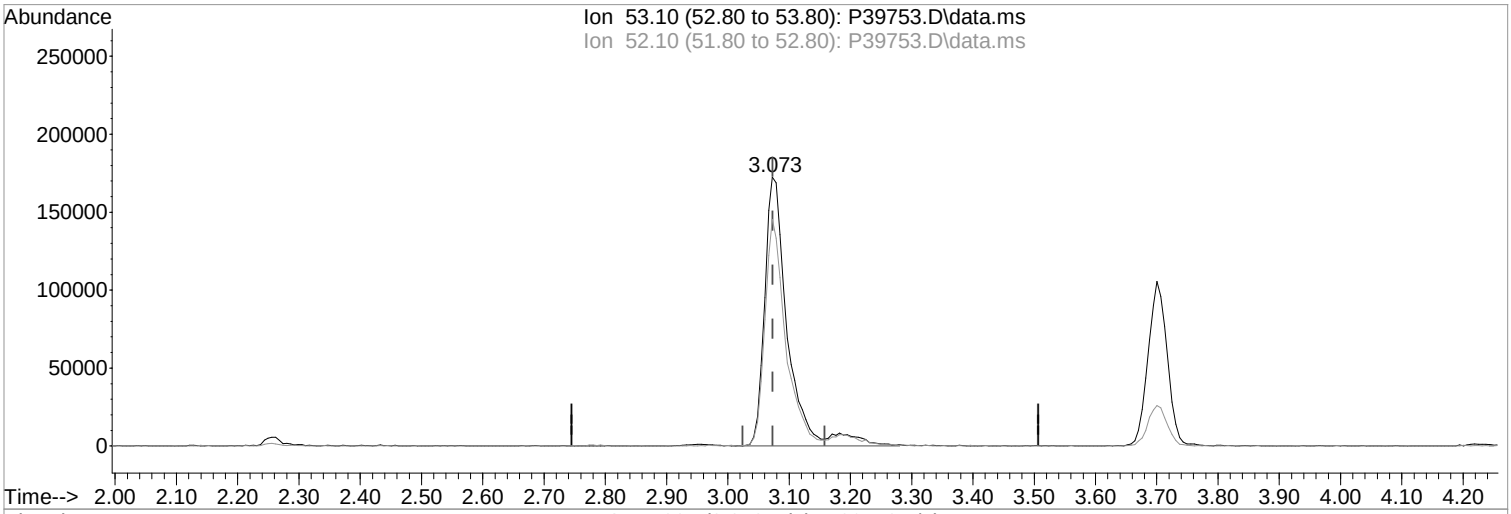
09/18/20

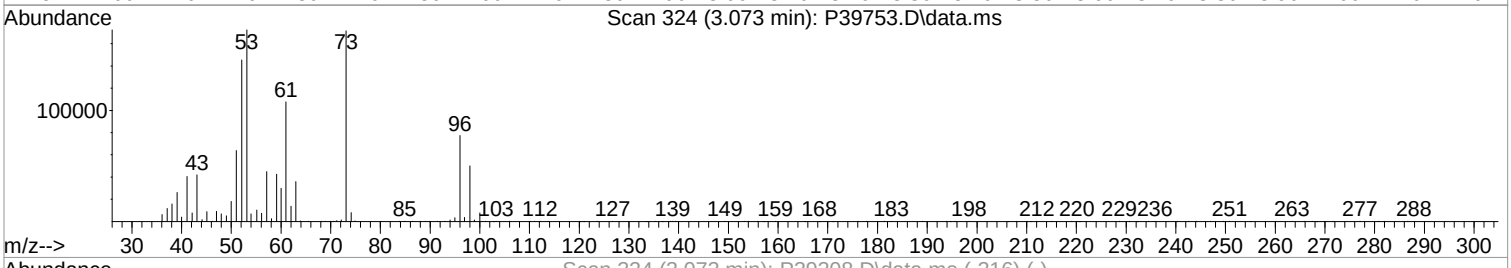
1st 09/18/20
2nd 09/22/20

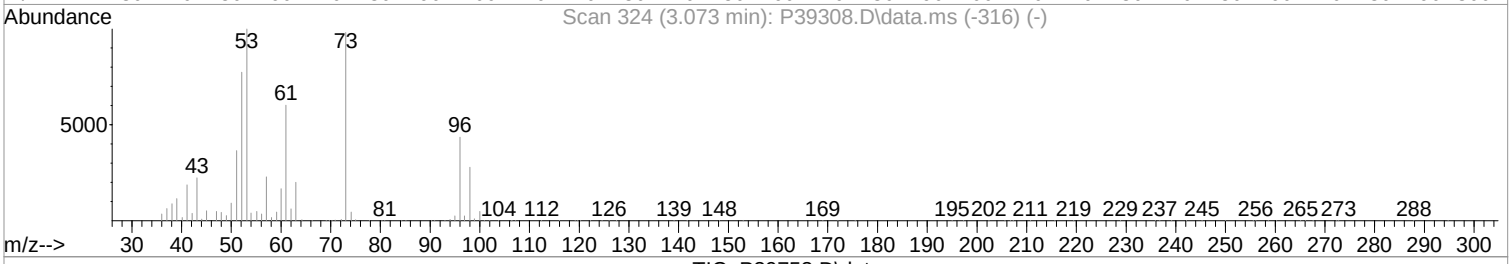
Quantitation Report (Qedit)

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.

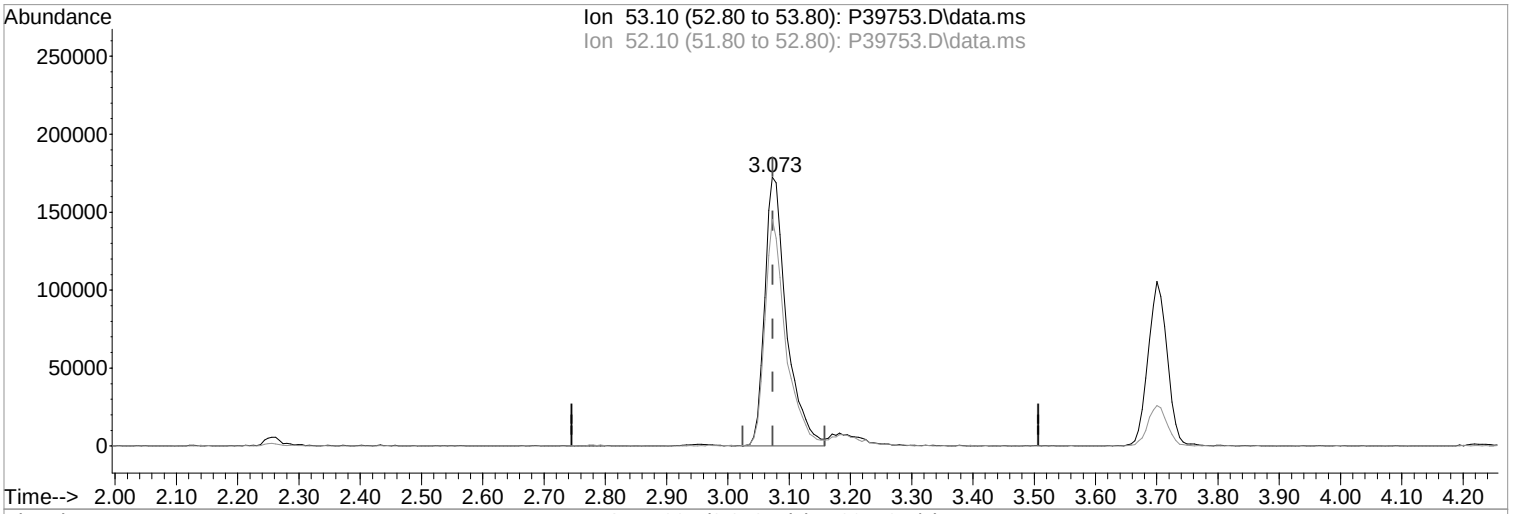
09/18/20

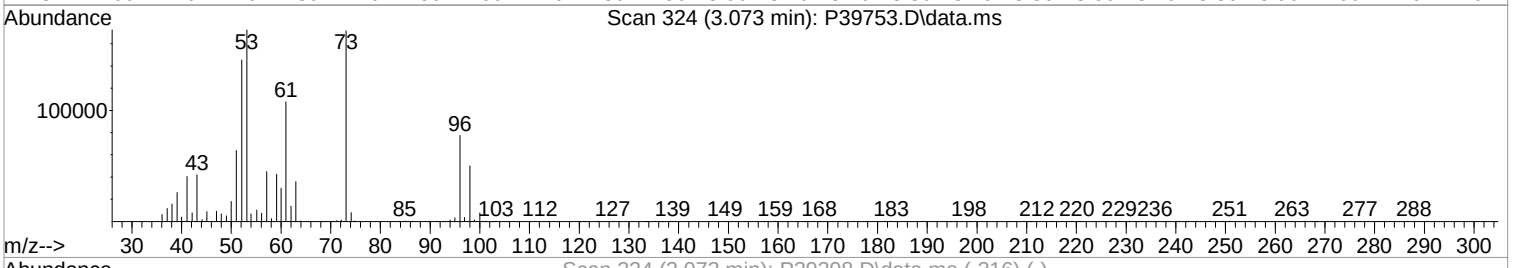
1st 09/18/20
2nd 09/22/20

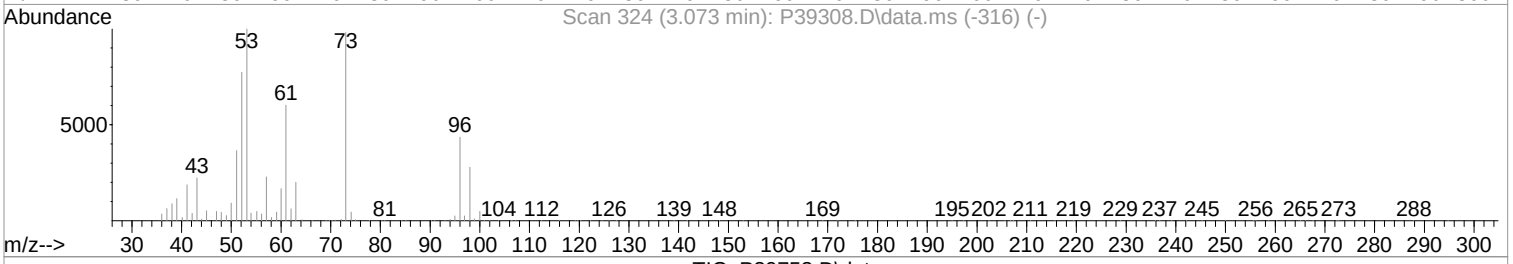
Quantitation Report (Qedit)

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

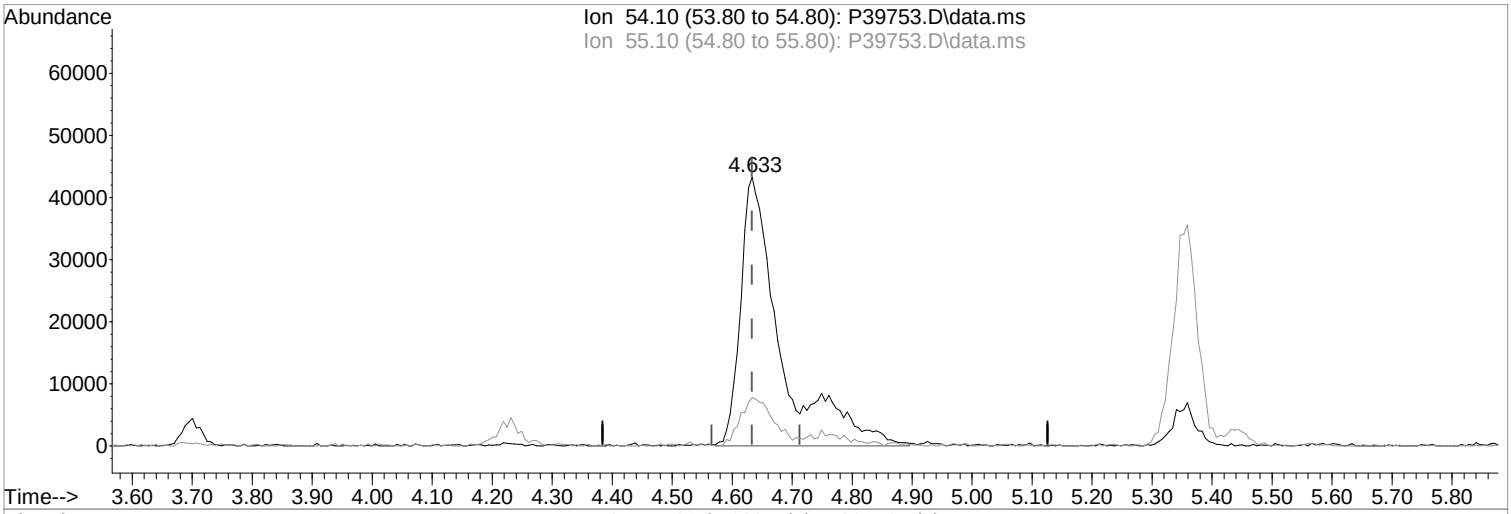
09/18/20

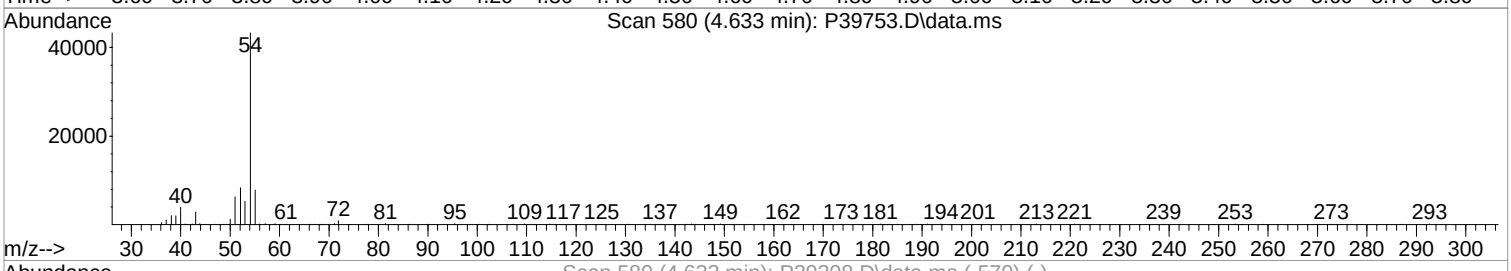
1st 09/18/20
2nd 09/22/20

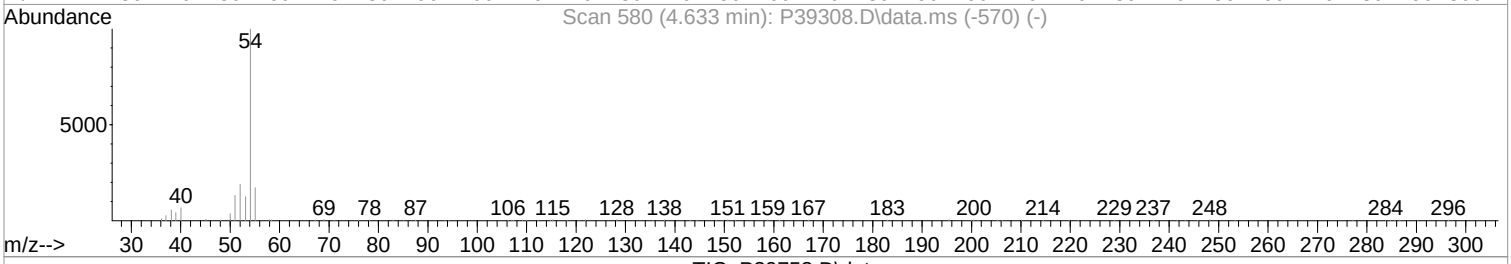
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa12\Data\091720\
Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
Operator : K.Ruest
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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.

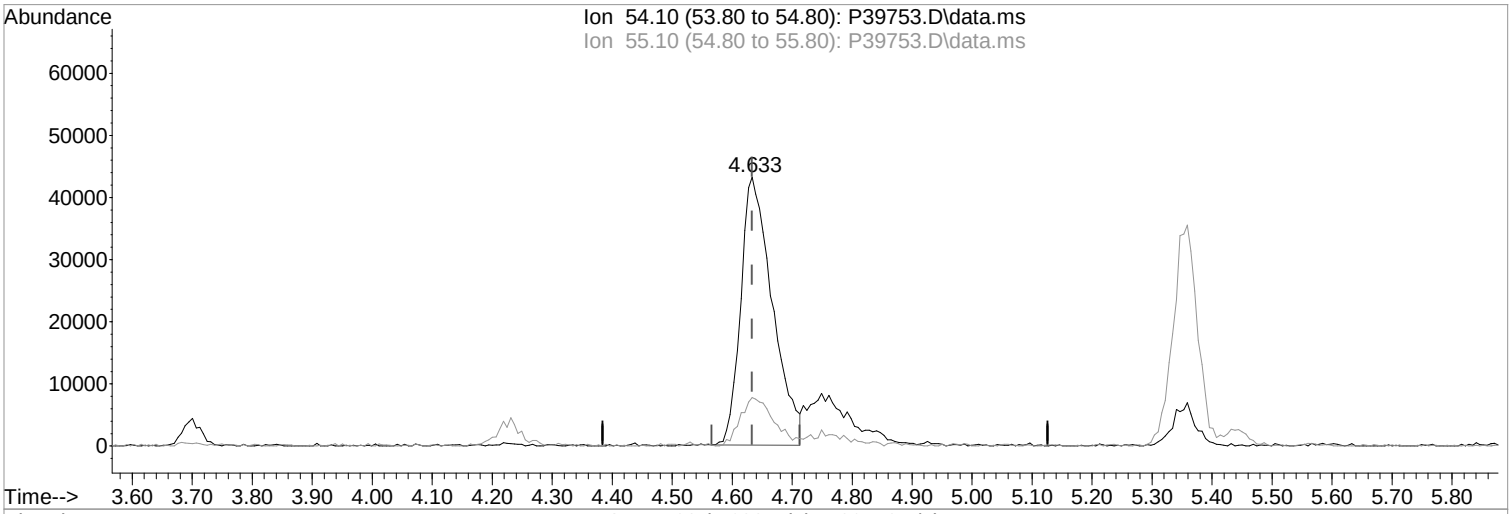
09/18/20

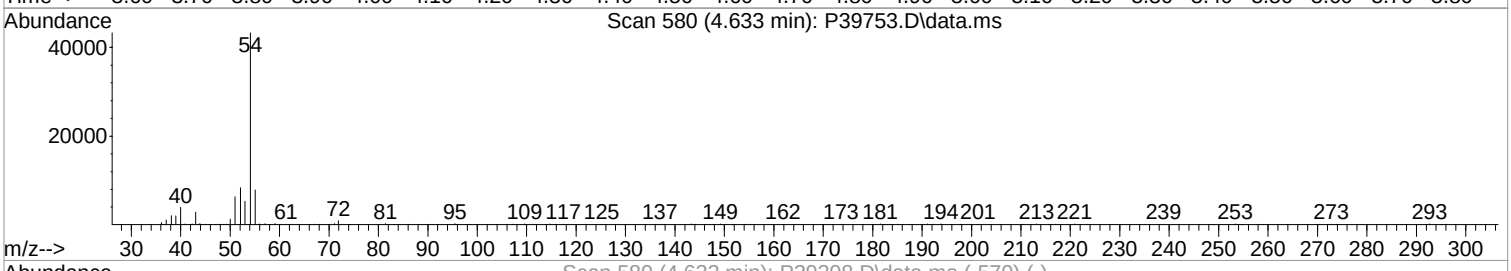
1st 09/18/20
2nd 09/22/20

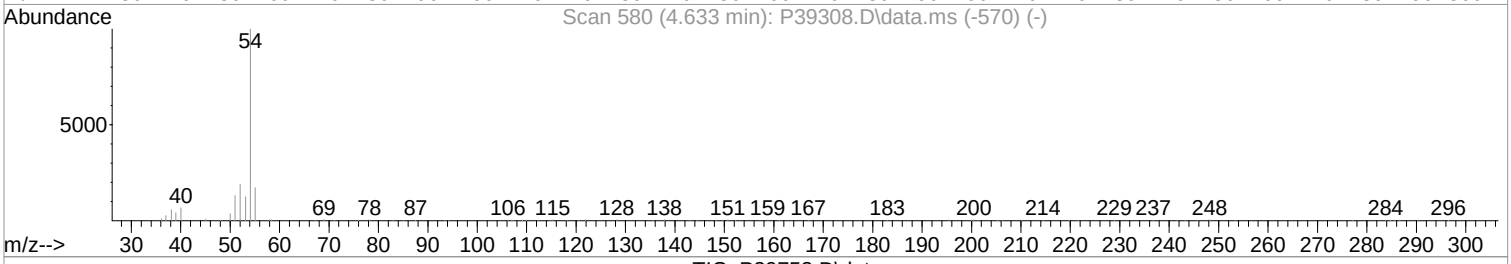
Quantitation Report (Qedit)

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Data File : P39753.D
Acq On : 17 Sep 2020 8:58 pm
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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

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

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

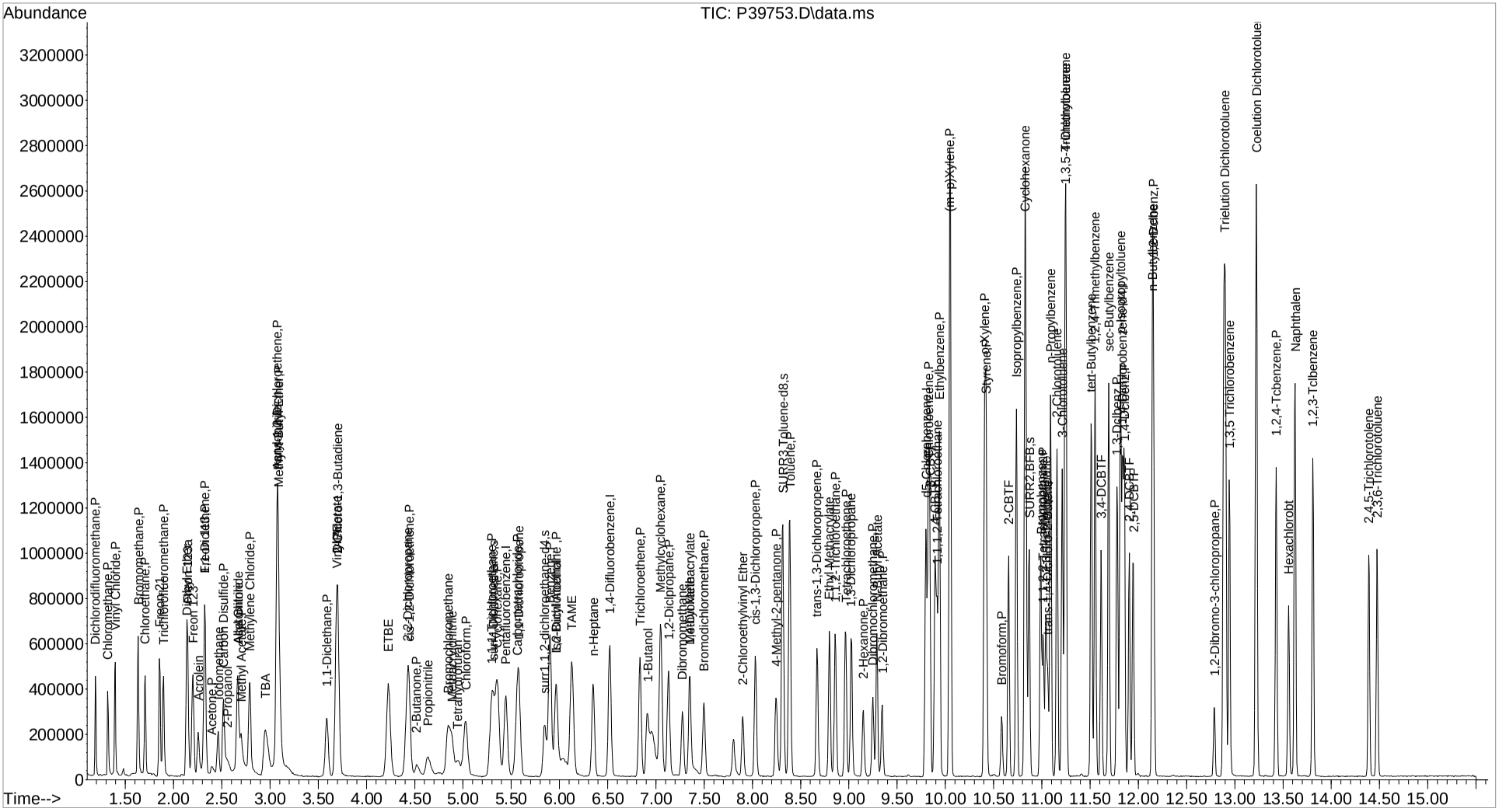
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

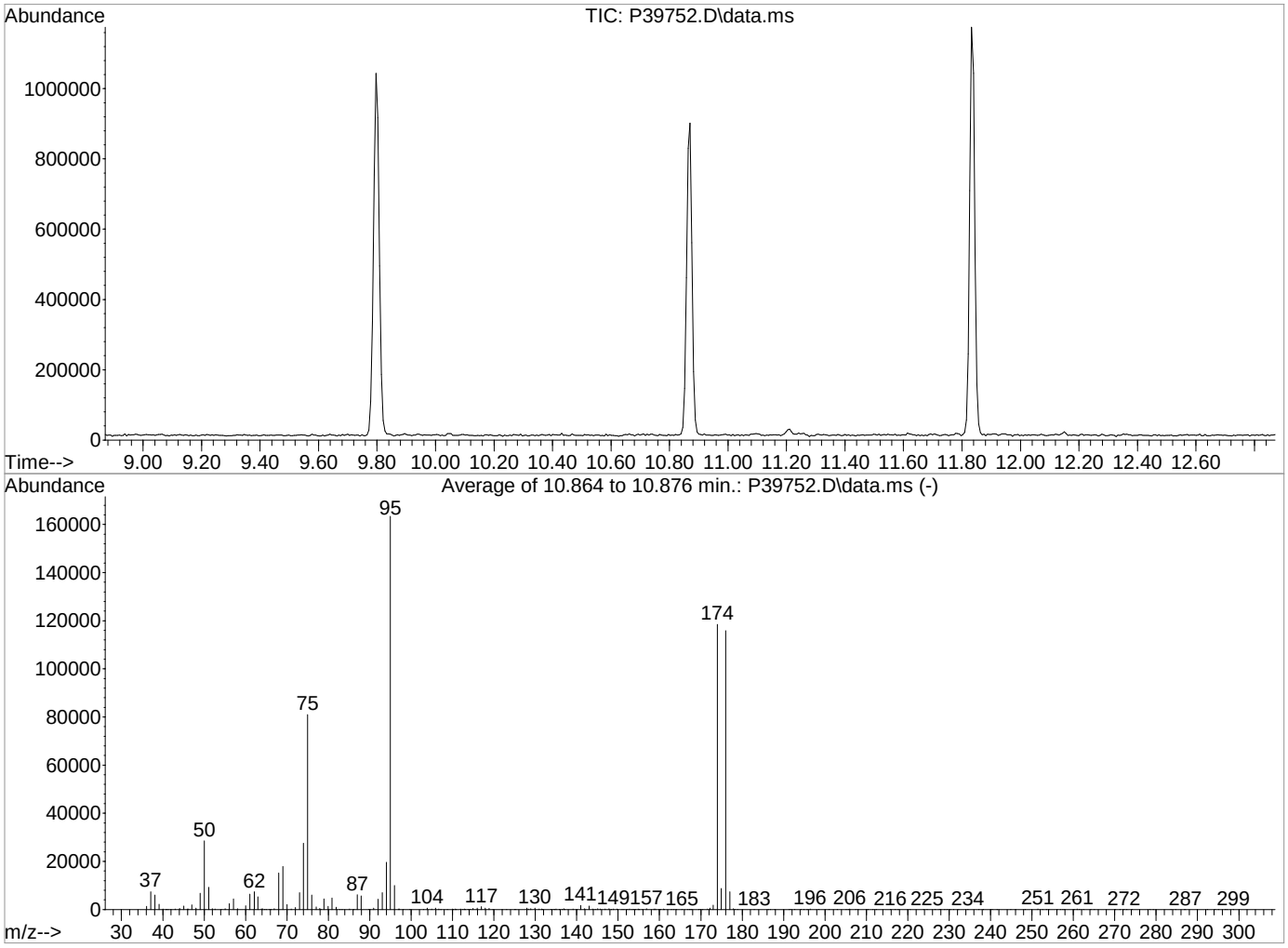


1st 09/18/20
2nd 09/22/20

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

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton **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:** R2008511
Project: Dover - Binghamton **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:** R2008511
Project: Dover - Binghamton **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

Client: Verina Consulting Group, LLC **Service Request:** R2008511
Project: Dover - Binghamton **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 - Binghamton/5101.0003

Service Request: R2008511
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:**R2008511
Project: Dover - Binghamton/5101.0003

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\	MW-16 09142020	R2008511-006	9/18/2020	02:04:00	
I:\ACQUDATA\msvoa12\Data\091720\P39768.D\	DUP 09142020	R2008511-012	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\	MW-11 09142020	R2008511-002	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:**R2008511
Project: Dover - Binghamton/5101.0003

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\	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	

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	(TPA)			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 DCE/DCE
42	002	10	5/50mls (TPA)	↓	↓	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	(TPA)	↓		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	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 TG: 212278

Primary HSL: 212279

Primary: ____

5mL + 50mls = CCV

200 Secondary Fr: 211481.5ml

500 Secondary Oct: 211504

Secondary TG: 212050

Secondary HSL: 212140

Secondary: ____

2mL → 50mls = LCS

−10.6mL → 4.2mL ✓ 42 mL vial = MS/D

Surrogate 50: 212475

Internal Std 50: 212476

Reagents: ____

Appendix C

VERINA Consulting Group, LLC

ACTIVE SUB-SLAB DEPRESSURIZATION (ASD) SYSTEM INSPECTION LOG

Former Dover Electronics Site, Binghamton, NY (5101.0003)

Date	Time	System On? (Y/N)	E-1 Vacuum Gauge Reading (inch w.c.)	E-2 Vacuum Gauge Reading (inch w.c.)	E-3 Vacuum Gauge Reading (inch w.c.)	E-4 Vacuum Gauge Reading (inch w.c.)	Comments
1/15/2019	9:30	Y	2.38	1.88	0.88	1.25	
2/21/2019	8:10	Y	2.50	1.63	0.63	1.39	
3/22/2019	8:10	Y	2.25	2.75	1.25	0.50	
4/25/2019	10:30	Y	2.50	2.13	1.00	1.39	
5/13/2019	14:10	Y	2.50	2.13	1.39	0.87	
6/18/2019	9:00	Y	2.38	1.75	1.00	1.38	
7/23/2019	8:05	Y	2.38	1.88	1.13	1.38	
8/19/2019	15:00	Y	2.63	1.25	2.13	1.13	
9/23/2019	13:45	Y	4.25	3.25	1.25	2.25	
10/16/2019	10:30	Y	2.38	1.88	0.88	1.38	
11/18/2019	15:00	Y	2.25	2.00	1.00	1.38	
12/16/2019	15:00	Y	2.25	1.88	0.75	1.38	
1/13/2020	14:45	Y	2.25	1.88	0.88	1.25	
2/10/2020	15:00	Y	2.38	2.00	0.88	1.38	
3/17/2020	8:10	Y	2.36	2.06	0.19	1.25	
4/27/2020	-	-	-	-	-	-	Facility closed due to COVID-19
5/18/2020	16:25	Y	1.50	2.00	0.88	1.38	
6/15/2020	14:45	Y	2.38	2.13	0.88	1.38	
7/20/2020	15:00	Y	2.38	2.00	1.50	1.13	
8/17/2020	14:45	Y	2.25	2.00	1.63	1.13	
9/23/2020	8:00	Y	2.38	2.00	0.88	1.13	
10/26/2020	15:00	Y	2.25	2.00	0.88	1.88	
11/16/2020	14:45	Y	2.38	2.00	0.88	1.63	
12/14/2020	14:45	Y	2.38	2.00	1.00	1.50	

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

Site Details **Box 1**

Site No.: 7-04-024

Site Name: Former Binghamton Plastics Site

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

Reporting Period: December 31, 2019 to December 31, 2020

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

Box 2

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

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

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

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 7-04-024 **Box 3**

Description of Institutional Controls:

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

SITE NO. 7-04-024 **Box 4**

Description of Engineering Controls:

Parcel	Engineering Control
161.40-1-1	Vapor Mitigation System

SITE NO. 7-04-024 **Box 5**

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 704024

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

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

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

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



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

January 13, 2021
Date

EC CERTIFICATIONS

Box 7

Signature

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

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

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



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

Stamp (Required for PE)

January 13, 2021
Date