



April 2, 2021

Adam Morgan
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation – Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Re: 2020 Periodic Review Report
Unither Manufacturing, LLC
755 Jefferson Road Facility – Henrietta, New York
NYSDEC VCP Number: V00126-8

Dear Mr. Morgan:

On behalf of UCB Manufacturing Inc. (UCB), please find enclosed the Periodic Review Report (PRR) for the above-referenced Jefferson Road facility (Site) for the time period from January 1, 2020 through December 31, 2020. This PRR is being submitted in accordance with the requirements described in Section 3.4 of the approved Site Management Plan (SMP) and DER-10 Section 6.3.

With exception of monitoring well MW-D7 (Which is being investigated under a separate Consent Order), Rocterra, LLC (Rocterra) completed annual water level gauging and groundwater sampling at the Site in November of 2020 pursuant to the approved Methylene Chloride Area Site Sampling Plan. Groundwater quality analytical results are summarized in Table 1.

If you require additional information or clarification, please contact either Alex Wirth of Rocterra at (585) 698-6842 or Nancy van Dyke of BSI at (973) 459-2947.

Sincerely,
Rocterra, LLC

A handwritten signature in purple ink that reads "Alexander Wirth". The signature is fluid and includes a long, sweeping horizontal line at the end.

Alexander Wirth
Senior Geologist, Principal



Enclosure

Copy: Nancy van Dyke – BSI EHS Services and Solutions

Michael Bogdan – Sanofi
Richard Ricci – Lowenstein Sandler PC
Amy Reichhart – Nixon Peabody
Libby Ford – Nixon Peabody
Chris Hargis - Unither
File

**755 Jefferson Road Site, Henrietta, NY
PERIODIC REVIEW REPORT**

Site Address: Jefferson Road Facility 755 Jefferson Road Henrietta, New York	Regulatory Agency: NYSDEC – Region 8 Regulatory Contact: Adam Morgan
NYSDEC VCP No.: V00126-8	Consultant: BSI Services and Solutions East Inc. (BSI), Rocterra, LLC (ROC)
Site Contact: Chris Hargis (Unither)	Project Manager / Senior Geologist: Nancy van Dyke (BSI), Alexander Wirth (ROC)

Report Date: April 2, 2021

Current Site Status: Active pharmaceutical manufacturing facility.

Monitoring Period: January 1, 2020 through December 31, 2020

Work Performed: Annual environmental effectiveness monitoring pursuant to the post-closure monitoring plan included in Section 3 of the Site Management Plan (SMP), which was approved by NYSDEC on August 26, 2011. Groundwater sampling frequency was amended to annual events and was approved by NYSDEC via letter on January 13, 2013.

Rocterra gauged 11 and sampled 10 monitoring wells in November of 2020. Laboratory analytical data is provided in Appendix A. Monitoring well MW-16 is gauged only and not sampled. MW-D7 is no longer sampled and was abandoned and replaced by Unither in October 2020, as denoted in their February 2021 Corrective Measures Report by LaBella. The manifest for sampling related purge water is attached as Appendix B.

On November 11, 2020 Chris Hargis of Unither declined our request to hold the annual SMP review meeting via email correspondence.

Annual Groundwater Monitoring:

Number of Wells Gauged: 11
(MW-16,18, 23S, 23I, 23D, D6, D8, D10, D12, RW-4, RW-5)

Number of Wells Sampled: 10
(MW-18, 23S, 23I, 23D, D6, D8, D10, D12, RW-4, RW-5)

Gauging Frequency: Annual
Sampling Frequency: Annual

November 2020

Overburden Groundwater
Depth: 3.30 feet to
41.80 feet

Shallow Groundwater Flow: Southeast
Intermediate Groundwater Flow: Northeast
Deep Groundwater Flow: Southeast

Shallow Groundwater Gradient: 0.007 feet
per foot
Intermediate Groundwater Gradient: 0.018 feet
per foot
Deep Groundwater Gradient: 0.006 feet
per foot

Site Geology:

The top of bedrock is located approximately 55 feet below grade throughout the Site. Surficial deposits at the Site generally consist of reddish-brown silt and clay with lesser amounts of brown fine/coarse grained sand and gray rounded gravel. Coarser material (particularly sand) is more abundant at depths of zero to six feet below grade compared to deeper intervals. The relative permeability of the unconsolidated deposits above bedrock at the Site is considered low.

Comments:

In November 2020, 10 monitoring wells were sampled in accordance with the groundwater sampling procedures outlined in the Methylene Chloride Area Site Sampling Plan.

For the November 2020 groundwater sampling: Table 1 provides a summary of water level measurements and methylene chloride concentrations, and Figures 3 through 6 show groundwater contours and concentrations of MCA-related VOCs, which remain low, stable, or declining in groundwater from the wells in the monitoring network. As a reminder monitoring well MW-D7 is no longer in the monitoring network. As previously noted, MW-D7 was observed during the October 2017 sampling event to have been damaged. It is our understanding that the Department is addressing associated conditions regarding MW-D7 separately under a Consent Decree with Unither. In October of 2020, MW-D7 was abandoned by Unither as denoted in their February 2021 Corrective Measures Report by LaBella.

Monitoring wells with a MCA-related detection for the last three sampling events have been depicted graphically in Figures 7, and 8. Trends of contaminant levels in groundwater in the MCA indicate that the effectiveness of the remedy is satisfactory (i.e. low, stable, or declining) in the wells, as further discussed below:

- Figure 7 - Monitoring well MW-D10 had an estimated methylene chloride concentration of 7.6 µg/L during the October 2019 groundwater sampling event. It had methylene chloride levels of 5.23 µg/L during the November 2020 groundwater sampling event.

Figure 8 - Monitoring well MW-D12 was below the laboratory method reporting limit during the October 2019 groundwater sampling event and had a methylene chloride concentration of 0.660 µg/L during the November 2020 groundwater sampling event.

Methylene chloride concentrations in groundwater collected from the remaining eight site-related monitoring wells were all below the NYSDEC standard of 5.0 µg/L.

According to the approved SMP, “The [post closure monitoring] results will be used to determine if any statistically significant increases in concentration are

occurring in any particular well, or if there is an indication that the residual VOCs are migrating beyond the MCA. Increases will be considered statistically significant if results that exceed the 95% upper confidence level (UCL) in comparison to the most recent eight quarters of post-closure data for a particular well are observed for two consecutive monitoring events. If such an increase is observed, NYSDEC will be notified and, if deemed necessary, a meeting will be set up to discuss and agree upon next steps.”

As a result of the statistically significant increase in damaged monitoring well MW-D7, the NYSDEC was notified, subsequent investigations were initiated and meetings and discussions have taken place. At this time, it is our understanding that the Department has entered a consent order with Unither to address conditions at and in the vicinity of MW-D7 (see Table 1).

With the exception of monitoring well MW-D7, post-closure monitoring results indicate that the groundwater concentrations of the site-related VOCs are stable, declining or low level, and are generally at or below the VCA established clean-up numbers, which are the applicable State Groundwater Standards. Monitoring wells MW-18, 23S, 23I, 23D, D6, D8, D10, D12, RW-4, and RW-5 do not exceed the 95% UCL.

Based upon the monitoring results and 2020 site inspections, per the SMP, for each institutional control identified for the Site, all the following statements are true for the reporting period:

- The institutional controls employed at the MCA portion of this Site are unchanged from the date the controls were put in place, or last approved by the Department with the exception of MW-D7 and the excavation area/RW-4 bentonite seal issue discussed above and the 2019 Periodic Review Report, respectively.
- Nothing has occurred that would impair the ability of the control to protect the public health and environment.

- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control, with the possible exception of Unither's excavation activities in the MCA in the vicinity of RW-4 to replace the fire hydrant in that area.
- Access to the MCA portion of the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of the institutional controls specified in this SMP.
- The information presented in this report is accurate and complete.
- Use of the Site is compliant with the Deed Restriction.

The Annual Institutional Control/Engineering Control Certification Form is attached as Appendix C.

Based on the foregoing evaluations and site inspections, we conclude that the controls are performing properly and remain effective for the remediation of the MCA, the monitoring plan is being implemented, O&M activities are being conducted properly, and based on this review, other than the third-party damage to MW-D7 and RW-4, the remedy continues to be compliant with the decision document.

Attachments:

Table:

Table 1 – Monitoring Well Gauging and Groundwater Analytical Data

Figures:

Figure 1 – Area Map
 Figure 2 – Site Plan
 Figure 3 – 2019 Groundwater Contour and Concentration Map – Shallow Wells
 Figure 4 – 2019 Groundwater Contour and Concentration Map – Intermediate Wells
 Figure 5 – 2019 Groundwater Contour and Concentration Map – Deep Wells

Figure 6 – Diagonal Well Potentiometric
Conversion
Figures 7/8 – Dissolved Phase
Concentration Trend Graphs
(Concentrations less than the laboratory
reporting levels are depicted as “0” µg/L.)

Appendices: Appendix A – Laboratory Analytical Data

Appendix B – Groundwater Sampling Waste
Manifest

Appendix C - Annual Institutional
Control/Engineering Control Certification
Form



Alexander Wirth
Senior Geologist, Principal

4/2/2021

Date

TABLE

Table 1
MONITORING WELL GAUGING AND GROUNDWATER ANALYTICAL DATA

Unither, Inc.
755 Jefferson Road
Rochester, New York

Sample ID	Date	TOC Elevation	Depth to Water	Corrected Water Table Elevation	Methylene chloride
NYSDEC Standards					5
MW-16 (Gauge Only)	3/6/2002	NG	NG	NG	2.2 J
	8/27/2003	NG	NG	NG	BRL
	9/15/2005	NG	NG	NG	0.6 J
	2/23/2007	NG	NG	NG	BRL
	6/19/2007	548.41	6.83	541.58	<5.0
	9/20/2007	548.41	7.54	540.87	<5.0
	12/19/2007	548.41	5.75	542.66	<5.0
	3/17/2008	548.41	6.01	542.40	<5.0
	6/3/2008	548.41	7.00	541.41	<5.0
	9/9/2008	548.41	7.26	541.15	<5.0
	12/17/2008	548.41	6.69	541.72	NS
	3/23/2009	548.41	6.64	541.77	NS
	6/17/2009	548.41	5.09	543.32	NS
	9/16/2009	548.41	6.64	541.77	0.99 J
	12/16/2009	548.41	6.21	542.20	NS
	3/10/2010	548.41	5.68	542.73	NS
	6/1/2010	548.41	6.08	542.33	NS
	9/28/2010	548.41	5.85	542.56	<5.0
	1/4/2011	548.41	5.70	542.71	1.3 J
	3/3/2011*	548.41	5.39	543.02	1.0 U
	7/12/2011	548.41	5.85	542.56	1.0 U
	9/28/2011	548.41	5.69	542.72	2.0
	12/7/2011	548.41	5.60	542.81	2.0
	3/20/2012	548.41	5.63	542.78	1.0U
	6/13/2012	548.41	5.68	542.73	1.0U
	6/14/2013	548.41	5.40	543.01	Gauge Only
	10/13/2014	548.41	5.91	542.50	Gauge Only
	7/20/2015	548.41	5.48	542.93	Gauge Only
	7/10/2016	548.41	5.68	542.73	Gauge Only
	10/23/2017	548.41	5.63	542.78	Gauge Only
	11/30/2018	548.41	5.43	542.98	Gauge Only
	10/21/2019	548.41	5.53	542.88	Gauge Only
	11/18/2020	548.41	5.67	542.74	Gauge Only
MW-18 (Gauge & sample)	3/6/2002	NG	NG	NG	9,100,000
	8/28/2003	NG	NG	NG	1.2
	9/14/2005	NG	NG	NG	0.5 J
	2/23/2007	NG	NG	NG	BRL
	6/18/2007	547.98	DRY	DRY	NS
	9/19/2007	547.98	DRY	DRY	NS
	12/19/2007	547.98	9.70	538.28	<5.0
	3/14/2008	547.98	14.30	533.68	DRY
	6/3/2008	547.98	DRY	DRY	DRY
	9/9/2008	547.98	DRY	DRY	DRY
	12/17/2008	547.98	DRY	DRY	DRY
	3/23/2009	547.98	12.53	535.45	5.5 B
	6/17/2009	547.98	6.10	541.88	5.7 B
	9/16/2009	547.98	9.15	538.83	<5.0
	12/17/2009	547.98	9.41	538.57	<5.0
	3/10/2010	547.98	5.00	542.98	<5.0
	6/1/2010	547.98	6.30	541.68	<5.0
	9/28/2010	547.98	5.22	542.76	1.1 J
	1/4/2011	547.98	4.85	543.13	<5.0
	3/3/2011*	547.98	4.48	543.50	1.0 U
	7/12/2011	547.98	5.08	542.90	1.0 U
	9/28/2011	547.98	5.04	542.94	1.0 U
	12/7/2011	547.98	4.90	543.08	1.0 U
	3/20/2012	547.98	4.62	543.36	1.0 U
	6/13/2012	547.98	5.20	542.78	1.0 U
	6/14/2013	547.98	4.24	543.74	1.0 U
	10/13/2014	547.98	5.18	542.80	1.0 U
	7/20/2015	547.98	3.97	544.01	1.0 U
	7/10/2016	547.98	4.19	543.79	1.0 U
	10/23/2017	547.98	4.55	543.43	1.0 U
	11/30/2018	547.98	3.69	544.29	1.0 U
	10/19/2019	547.98	4.43	543.55	1.0 U
	11/18/2020	547.98	4.66	543.32	1.16
MW-23S (Gauge & sample)	1/4/2011	547.77	5.18	542.59	<5.0
	3/3/2011*	547.77	4.89	542.88	1.0 U
	7/12/2011	547.77	5.62	542.15	1.0 U
	9/28/2011	547.77	5.14	542.63	1.0 U
	12/7/2011	547.77	4.97	542.80	1.0 U
	3/20/2012	547.77	5.01	542.76	1.0 U
	6/13/2012	547.77	4.93	542.84	1.0 U
	6/14/2013	547.77	4.83	542.94	1.0 U
	10/14/2014	547.77	5.71	542.06	1.0 U
	7/20/2015	547.77	5.31	542.46	1.0 U
	7/10/2016	547.77	6.10	541.67	1.0 U
	10/23/2017	547.77	5.61	542.16	1.0 U
	11/30/2018	547.77	5.12	542.65	1.0 U
	10/21/2019	547.77	5.39	542.38	5.0 U
	11/18/2020	547.77	5.56	542.21	1.0 U

Table 1
MONITORING WELL GAUGING AND GROUNDWATER ANALYTICAL DATA

Unither, Inc.
755 Jefferson Road
Rochester, New York

Sample ID	Date	TOC Elevation	Depth to Water	Corrected Water Table Elevation	Methylene chloride
NYSDEC Standards					5
MW-23I (Gauge & sample)	1/4/2011	547.76	8.14	539.62	<5.0
	3/7/2011*	547.76	7.07	540.69	1.0 U
	7/12/2011	547.76	9.65	538.11	1.0 U
	9/28/2011	547.76	10.03	537.73	1.0 U
	12/7/2011	547.76	7.14	540.62	1.0 U
	3/20/2012	547.76	8.72	539.04	1.0 U
	6/13/2012	547.76	9.03	538.73	1.0 U
	6/14/2013	547.76	11.20	536.56	1.0 U
	10/14/2014	547.76	8.18	539.58	1.0 U
	7/20/2015	547.76	7.24	540.52	1.0 U
	7/10/2016	547.76	8.82	538.94	1.0 U
	10/23/2017	547.76	8.25	539.51	1.0 U
	11/30/2018	547.76	7.17	540.59	1.0 U
	10/21/2019	547.76	6.81	540.95	5.0 U
	11/18/2020	547.76	8.63	539.13	1.0 U
MW-23D (Gauge & sample)	1/4/2011	547.62	26.15	521.47	<5.0
	3/7/2011*	547.62	25.34	522.28	1.0 U
	7/12/2011	547.62	26.27	521.35	1.0 U
	9/28/2011	547.62	26.51	521.11	1.0 U
	12/7/2011	547.62	25.24	522.38	1.0 U
	3/20/2012	547.62	24.81	522.81	1.90
	6/13/2012	547.62	25.64	521.98	1.0U
	6/14/2013	547.62	24.82	522.80	1.0U
	10/14/2014	547.62	26.58	521.04	1.0U
	7/20/2015	547.62	25.25	522.37	1.0U
	7/10/2016	547.62	26.74	520.88	1.0U
	10/23/2017	547.62	26.15	521.47	1.0U
	11/30/2018	547.62	25.84	521.78	1.0U
	10/21/2019	547.62	25.94	521.68	5.0U
	11/18/2020	547.62	26.75	520.87	1.0U
MW-D6 (Gauge & sample)	3/6/2002	NG	NG	NG	1.4 J
	8/27/2003	NG	NG	NG	1.3
	9/20/2005	NG	NG	NG	2
	2/27/2007	NG	NG	NG	BRL
	6/19/2007	548.37	26.31	522.06	<5.0
	9/20/2007	548.37	28.43	519.94	<5.0
	12/19/2007	548.37	27.17	521.20	<5.0
	3/18/2008	548.37	25.69	522.68	<5.0
	6/4/2008	548.37	26.45	521.92	<5.0
	9/10/2008	548.37	28.01	520.36	<5.0
	12/17/2008	548.37	27.41	520.96	NS
	3/23/2009	548.37	25.72	522.65	NS
	6/17/2009	548.37	26.69	521.68	NS
	9/18/2009	548.37	27.31	521.06	2.3 J
	12/16/2009	548.37	27.00	521.37	NS
	3/10/2010	548.37	26.35	522.02	NS
	6/1/2010	548.37	27.45	520.92	NS
	9/29/2010	548.37	27.93	520.44	<5.0
	1/4/2011	548.37	26.12	522.25	>5.0
	3/8/2011*	548.37	25.86	522.51	1.2
	7/13/2011	548.37	26.48	521.89	1.0U
	9/28/2011	548.37	27.22	521.15	1.0U
	12/7/2011	548.37	25.72	522.65	1.1
	3/20/2012	548.37	25.25	523.12	1.0U
	6/13/2012	548.37	26.22	522.15	1.0U
	6/14/2013	548.37	25.49	522.88	1.0U
	10/15/2014	548.37	27.43	520.94	1.0U
	7/20/2015	548.37	25.90	522.47	1.2
	7/10/2016	548.37	25.95	522.42	1.0U
	10/23/2017	548.37	26.75	521.62	1.0U
	11/30/2018	548.37	26.26	522.11	1.0U
	10/21/2019	548.37	27.15	521.22	5.0U
	11/18/2020	548.37	27.53	520.84	1.0U

Table 1
MONITORING WELL GAUGING AND GROUNDWATER ANALYTICAL DATA

Unither, Inc.
755 Jefferson Road
Rochester, New York

Sample ID	Date	TOC Elevation	Depth to Water	Corrected Water Table Elevation	Methylene chloride
NYSDEC Standards					5
MW-D7 (gauge & sample)	3/6/2002	NG	NG	NG	6.5
	4/10/2002	NG	NG	NG	5.6
	8/28/2003	NG	NG	NG	570
	9/19/2005	NG	NG	NG	2
	2/28/2007	NG	NG	NG	13.4
	6/19/2007	548.27	26.11	522.16	7.4
	9/21/2007	548.27	28.62	519.65	<5.0
	12/19/2007	548.27	26.99	521.28	5.1
	3/18/2008	548.27	25.52	522.75	<5.0
	6/5/2008	548.27	26.25	522.02	<5.0
	9/10/2008	548.27	27.78	520.49	<5.0
	12/17/2008	548.27	27.17	521.10	5.4
	3/23/2009	548.27	25.48	522.79	9.3 B
	6/17/2009	548.27	26.49	521.78	1.8 J.B
	9/18/2009	548.27	27.04	521.23	<5.0
	12/17/2009	548.27	26.80	521.47	6.3
	3/11/2010	548.27	26.08	522.19	0.97 J
	6/1/2010	548.27	26.21	522.06	<5.0
	9/29/2010	548.27	27.70	520.57	<5.0
	1/4/2011	548.27	25.89	522.38	2.4 J
	3/8/2011*	548.27	25.62	522.65	1.7
	7/13/2011	548.27	26.24	522.03	1.0U
	9/28/2011	548.27	26.99	521.28	3.2
	12/7/2011	548.27	25.53	522.74	4.5
	3/20/2012	548.27	24.97	523.30	1.0U
	6/13/2012	548.27	25.91	522.36	1.0U
	6/14/2013	548.27	25.40	522.87	1.0U
	10/15/2014	548.27	27.18	521.09	3.1
	7/20/2015	548.27	25.61	522.66	11.0
	7/10/2016	548.27	25.66	522.61	1.0U
	10/17/2017	548.27	26.77	521.50	430,000D
	10/23/2017	548.27	26.55	521.72	370,000
	11/2/2017	548.27	NA	NA	190,000D
	12/6/2017	548.27	NA	NA	290,000
	12/6/2017	548.27	NA	NA	160,000
	12/18/2017	548.27	NA	NA	150,000D
	12/18/2017	548.27	NA	NA	84,000D
	2/21/2018	548.27	NA	NA	220,000
	2/21/2018	548.27	NA	NA	3,300
	2/21/2018	548.27	NA	NA	58,000
	2/21/2018	548.27	NA	NA	2,900
	3/14/2018	548.27	NA	NA	160,000
	3/14/2018	548.27	NA	NA	130,000D
	3/14/2018	548.27	NA	NA	71,000
	3/14/2018	548.27	NA	NA	1,700
	3/21/2018	548.27	NA	NA	41,000
	3/21/2018	548.27	NA	NA	11,000
	11/30/2018	548.27	26.04	522.23	480,000
Abandoned October 2020					
MW-D8 (gauge & sample)	3/6/2002	NG	NG	NG	180
	4/10/2002	NG	NG	NG	6,600,000
	8/28/2003	NG	NG	NG	5,800,000
	9/15/2005	NG	NG	NG	6,300,000 D
	2/28/2007	NG	NG	NG	289,000
	6/20/2007	547.98	19.10	528.88	910,000 D
	9/21/2007	547.98	22.17	525.81	120,000 D
	12/19/2007	547.98	6.75	541.23	40,000
	3/18/2008	547.98	17.21	530.77	380,000
	6/5/2008	547.98	26.50	521.48	150,000
	9/11/2008	547.98	16.60	531.38	22,000
	12/17/2008	547.98	28.01	519.97	120,000
	3/23/2009	547.98	24.03	523.95	84,000 D
	6/17/2009	547.98	26.74	521.24	29,000 D.B
	9/18/2009	547.98	17.24	530.74	21,000
	12/17/2009	547.98	27.47	520.51	27,000
	3/11/2010	547.98	7.56	540.42	53
	6/1/2010	547.98	7.84	540.14	4.1 J
	9/29/2010	547.98	8.24	539.74	<5.0
	1/4/2011	547.98	5.25	542.73	67
	3/8/2011*	547.98	4.46	543.52	1.0 U
	7/13/2011	547.98	5.24	542.74	1.0 U
	9/28/2011	547.98	5.36	542.62	2.5
	12/7/2011	547.98	5.65	542.33	1.0U
	3/20/2012	547.98	4.85	543.13	1.0U
	6/13/2012	547.98	5.30	542.68	1.0U
	6/14/2013	547.98	4.43	543.55	1.0U
	10/13/2014	547.98	5.10	542.88	1.0U
	7/20/2015	547.98	3.98	544.00	1.0U
	7/10/2016	547.98	4.23	543.75	1.0U
	10/23/2017	547.98	4.80	543.18	1.0U
	11/30/2018	547.98	4.69	543.29	1.0U
	10/21/2019	547.98	4.85	543.13	5.0U
	11/18/2020	547.98	5.33	542.65	1.56

26' b.g. Grab sample
26' b.g. Annual sampling
26' b.g. Confirmation sample
26' b.g. pre-purge
57' b.g. pre-purge
26' b.g. post-purge
57' b.g. post-purge
26' b.g. pre-purge
57' b.g. pre-purge
26' b.g. post-purge
57' b.g. post-purge
26' b.g. pre-purge
57' b.g. pre-purge
26' b.g. post-purge
57' b.g. post-purge
26' b.g. one week post-purge
57' b.g. one week post-purge
26' b.g. Annual sampling

Table 1
MONITORING WELL GAUGING AND GROUNDWATER ANALYTICAL DATA

Unither, Inc.
755 Jefferson Road
Rochester, New York

Sample ID	Date	TOC Elevation	Depth to Water	Corrected Water Table Elevation	Methylene chloride
NYSDEC Standards					5
MW-D10 (Gauge & sample)	8/18/2003	NG	NG	NG	15
	9/9/2005	NG	NG	NG	0.6 J
	2/27/2007	NG	NG	NG	BRL
	6/19/2007	547.86	25.55	522.31	<5.0
	9/20/2007	547.86	27.66	520.20	<5.0
	12/18/2007	547.86	26.23	521.63	<5.0
	3/18/2008	547.86	24.81	523.05	<5.0
	6/4/2008	547.86	25.50	522.36	<5.0
	9/10/2008	547.86	26.80	521.06	<5.0
	12/17/2008	547.86	26.42	521.44	NS
	3/23/2009	547.86	24.80	523.06	NS
	6/17/2009	547.86	25.74	522.12	NS
	9/17/2009	547.86	26.29	521.57	4.0 J
	12/16/2009	547.86	26.08	521.78	NS
	3/10/2010	547.86	25.33	522.53	NS
	6/1/2010	547.86	25.43	522.43	NS
	9/29/2010	547.86	27.05	520.81	1.7 J
	1/4/2011	547.86	25.14	522.72	67
	3/4/2011*	547.86	24.89	522.97	1.0 U
	7/12/2011	547.86	25.45	522.41	5.9
	9/28/2011	547.86	26.20	521.66	330
	12/7/2011	547.86	24.77	523.09	1.2
	3/20/2012	547.86	24.45	523.41	3.2
	6/13/2012	547.86	25.21	522.65	29
	6/14/2013	547.86	24.54	523.32	250
	10/14/2014	547.86	26.38	521.48	250
	7/20/2015	547.86	24.82	523.04	160
	7/10/2016	547.86	26.42	521.44	73
	10/23/2017	547.86	25.60	522.26	24
MW-D12 (Gauge & sample)	11/30/2018	547.86	25.33	522.53	80
	10/21/2019	547.86	26.11	521.75	7.6
	11/18/2020	547.86	26.41	521.45	5.23
	8/25/2003	NG	NG	NG	4
	9/12/2005	NG	NG	NG	BRL
	2/26/2007	NG	NG	NG	10.5
	6/18/2007	548.99	28.40	520.59	<5.0
	9/19/2007	548.99	30.96	518.03	<5.0
	12/18/2007	548.99	29.17	519.82	<5.0
	3/17/2008	548.99	39.24	509.75	<5.0
	6/4/2008	548.99	NG	NG	<5.0
	9/10/2008	548.99	42.52	506.47	<5.0
	12/17/2008	548.99	42.02	506.97	<5.0
	3/23/2009	548.99	39.13	509.86	0.91 J, B
	6/17/2009	548.99	40.72	508.27	0.85 J, B
	9/17/2009	548.99	41.39	507.60	<5.0
	12/17/2009	548.99	41.06	507.93	<5.0
	3/11/2010	548.99	39.94	509.05	<5.0
	6/1/2010	548.99	40.22	508.77	<5.0
	9/29/2010	548.99	43.05	505.94	<5.0
	1/4/2011	548.99	39.71	520.91	1.5 J
	3/7/2011*	548.99	39.34	521.17	1.0 U
	7/12/2011	548.99	40.19	520.57	2.1
	9/28/2011	548.99	41.29	519.79	34
	12/7/2011	548.99	39.15	521.31	22
	3/20/2012	548.99	38.37	521.86	32
	6/13/2012	548.99	39.93	520.76	38
	6/14/2013	548.99	39.74	520.89	17
	10/14/2014	548.99	41.71	519.50	2.2
	7/20/2015	548.99	39.21	521.26	3.2
	7/10/2016	548.99	41.69	519.51	1.0 U
	10/23/2017	548.99	40.65	520.25	1.1
RW-4 (gauge & sample)	11/30/2018	548.99	39.94	520.75	0.660J
	10/21/2019	548.99	41.31	519.78	<5.0
	11/18/2020	548.99	41.80	519.43	0.671J
	8/22/2003	NG	NG	NG	270
	9/9/2005	NG	NG	NG	79
	2/23/2007	NG	NG	NG	BRL
	6/19/2007	547.47	5.33	542.14	7,500 D
	9/20/2007	547.47	8.77	538.70	18,000 D
	12/18/2007	547.47	3.22	544.25	<5.0
	3/17/2008	547.47	3.30	544.17	<5.0
	6/4/2008	547.47	16.05	531.42	8,400
	9/10/2008	547.47	30.20	517.27	3,400
	12/17/2008	547.47	29.02	518.45	13,000
	3/23/2009	547.47	29.21	518.26	10,000 D
	6/17/2009	547.47	12.86	534.61	78 D, B
	9/16/2009	547.47	29.66	517.81	3,300
	12/18/2009	547.47	12.98	534.49	240
	3/11/2010	547.47	3.42	544.05	1.7 J
	6/1/2010	547.47	5.92	541.55	17
	9/28/2010	547.47	5.37	542.10	<5.0
	1/4/2011	547.47	2.75	545.66	<5.0
	3/7/2011*	547.47	2.05	546.02	1.0 U
	7/11/2011	547.47	3.79	544.79	1.0 U
	9/28/2011	547.47	3.00	545.35	1.0 U
	12/7/2011	547.47	2.25	545.88	1.0 U
	3/20/2012	547.47	2.63	545.61	1.0 U
	6/13/2012	547.47	2.85	545.45	1.0 U
	6/14/2013	547.47	2.08	546.00	1.0 U
	10/13/2014	547.47	3.65	544.89	1.0 U
	7/20/2015	547.47	2.25	545.88	1.0 U
	7/10/2016	547.47	4.19	544.51	1.0 U
	10/23/2017	547.47	2.78	545.50	1.0 U
	11/30/2018	547.47	1.78	546.21	1.0 U
	10/21/2019	547.47	2.40	545.77	5.0 U
	11/18/2020	547.47	3.30	545.14	1.0 U

Table 1
MONITORING WELL GAUGING AND GROUNDWATER ANALYTICAL DATA

Unither, Inc.
755 Jefferson Road
Rochester, New York

Sample ID	Date	TOC Elevation	Depth to Water	Corrected Water Table Elevation	Methylene chloride
NYSDEC Standards					5
RW-5 (gauge & sample)	8/26/2003	NG	NG	NG	120
	9/12/2005	NG	NG	NG	BRL
	2/23/2007	NG	NG	NG	BRL
	6/20/2007	547.27	22.66	524.61	45,000 D
	9/20/2007	547.27	28.97	518.30	1,000
	12/18/2007	547.27	3.05	544.22	770
	3/17/2008	547.27	14.13	537.28	530
	6/4/2008	547.27	46.08	514.69	410
	9/10/2008	547.27	41.68	517.80	25,000
	12/17/2008	547.27	9.99	540.21	6,600
	3/23/2009	547.27	45.36	515.20	22 B
	6/17/2009	547.27	42.89	516.94	2.2 J,B
	9/17/2009	547.27	44.76	515.62	630
	12/17/2009	547.27	13.25	537.90	40
	3/10/2010	547.27	4.50	544.09	1.4 J
	6/1/2010	547.27	7.43	542.02	<5.0
	9/28/2010	547.27	5.77	543.19	<5.0
	1/4/2011	547.27	4.56	544.05	<5.0
	3/7/2011*	547.27	3.38	544.88	1.0 U
	7/11/2011	547.27	5.72	543.23	1.0 U
	9/28/2011	547.27	5.24	543.56	1.0 U
	12/7/2011	547.27	4.09	544.38	1.0 U
	3/20/2012	547.27	4.60	544.02	1.0 U
	6/13/2012	547.27	5.00	543.73	1.0 U
	6/14/2013	547.27	2.95	545.18	1.0 U
	10/13/2014	547.27	2.95	543.32	1.0 U
	7/20/2015	547.27	3.54	544.77	1.0 U
	7/10/2016	547.27	5.19	543.09	1.0 U
	10/23/2017	547.27	4.60	544.02	1.0 U
	11/30/2018	547.27	3.11	545.07	1.0 U
	10/19/2019	547.27	4.25	544.26	5.0 U
	11/18/2020	547.27	5.05	543.70	1.0 U

Notes:

<1.0 - Not detected at or above the laboratory reporting limit shown.

^a - Sample results are from a pumping test

All units reported in µg/L - micrograms per liter (parts per billion)

B - analyte found in the associated blank, as well as in the sample

Bolded - Detection above laboratory reporting limits

BRL - Below laboratory reporting limits

BTEX - benzene, toluene, ethylbenzene, and total xylenes.

Corrected Water Table Elevation - Determined by trigonometry for wells MW-D9, MW-D11 to

D - Surrogate recovery unreportable due to dilution.

DRY - Insufficient water to gauge or sample

J - The reported concentration is estimated (the result is less than the sample quantitation limit but greater than zero)

NA - not analyzed

NG - not gauged/or data not available

NS - not sampled

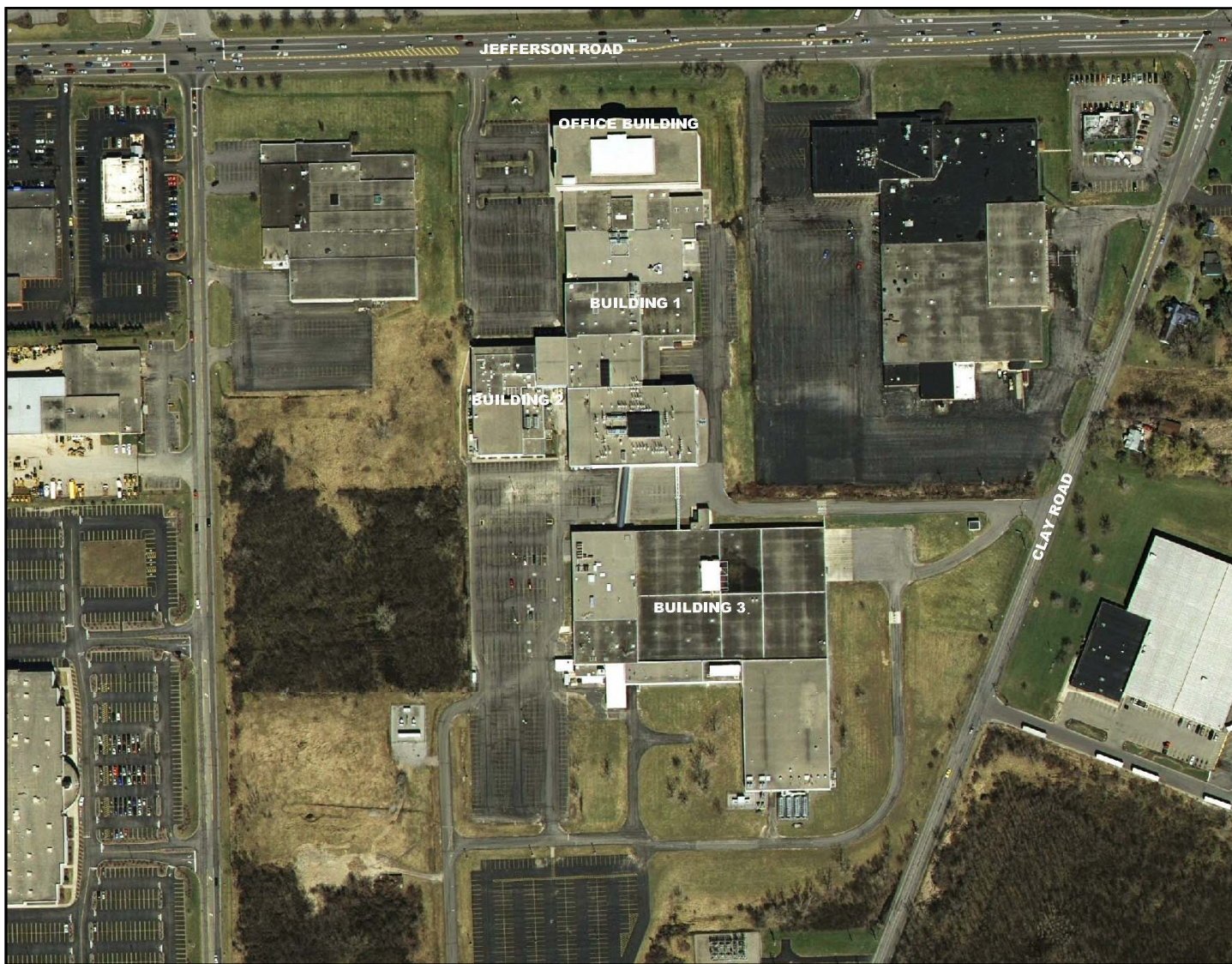
NYSDEC Standards and Guidance Values - New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values, June 1998 and Addendum April 2000

Shading - Reported concentration detected above the applicable standard(s) or guidance value(s)

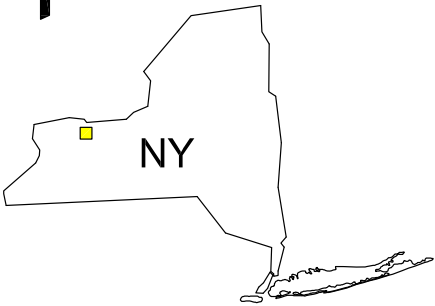
U - Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative

*-Laboratory has been changed and the reporting format has been amended from a less than value format to the laboratory method reporting limit followed by a "U" qualifier.

FIGURES



LATITUDE: 43° 05' 03" N
LONGITUDE: 77° 37' 19" W



SITE
LOCATION

- REFERENCES:
1. AERIAL IMAGES "w_14041124_12_09000_cof_20051.sid" AND "w_14041126_12_09000_cof_20051.sid" © NYS CLEARING HOUSE.
 2. KLEINFELDER FIELD RESEARCH.

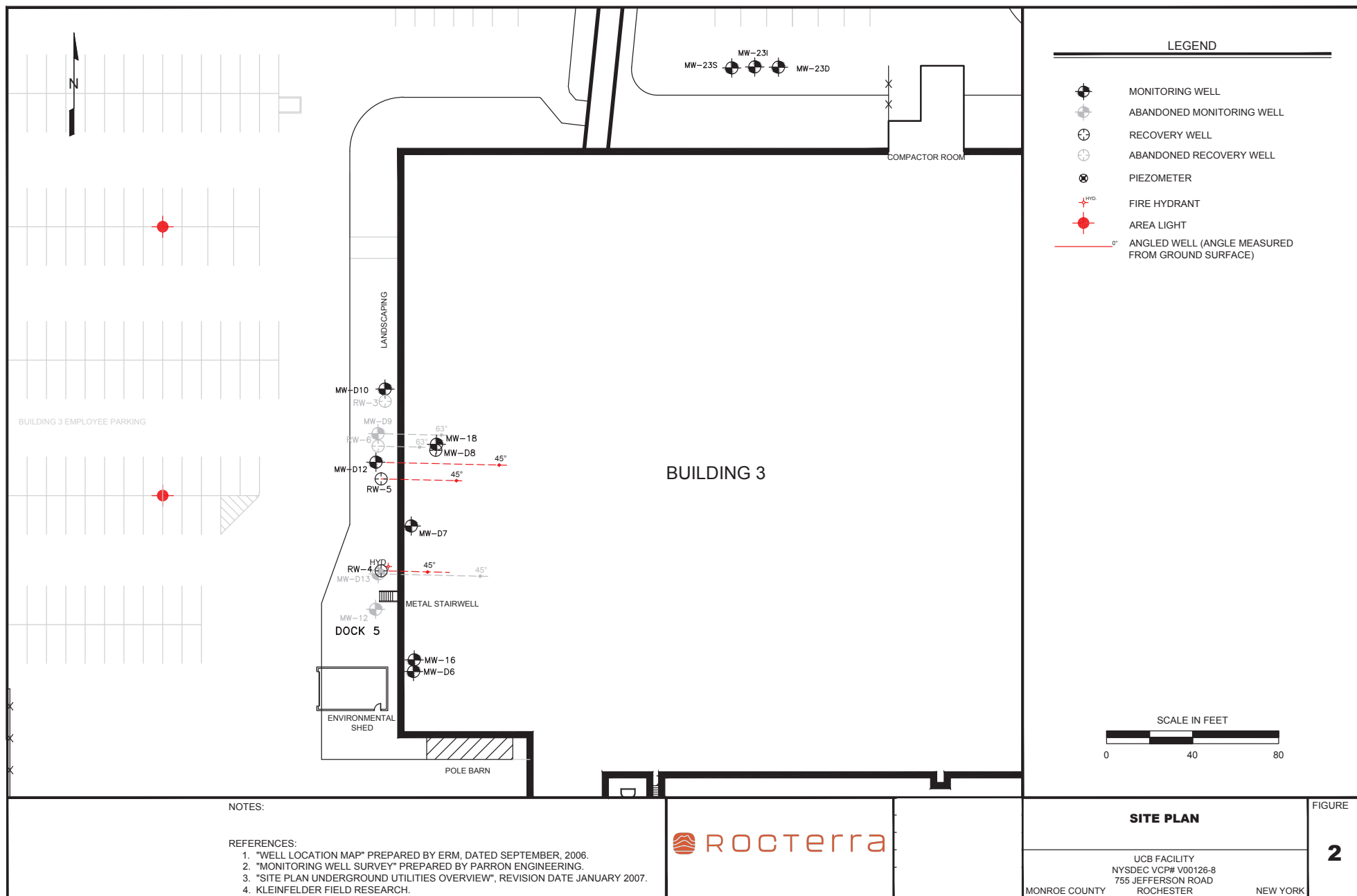


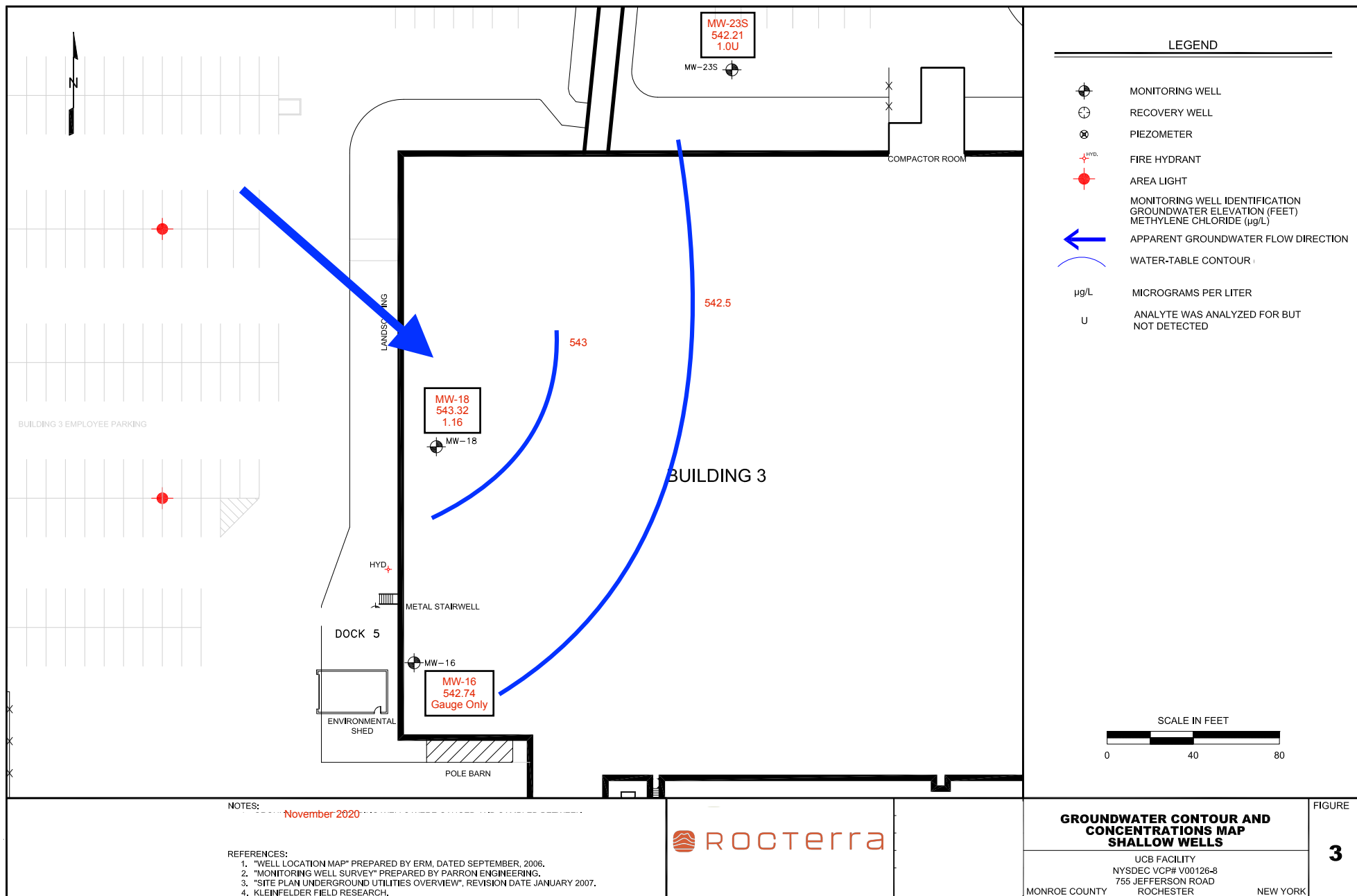
AREA MAP

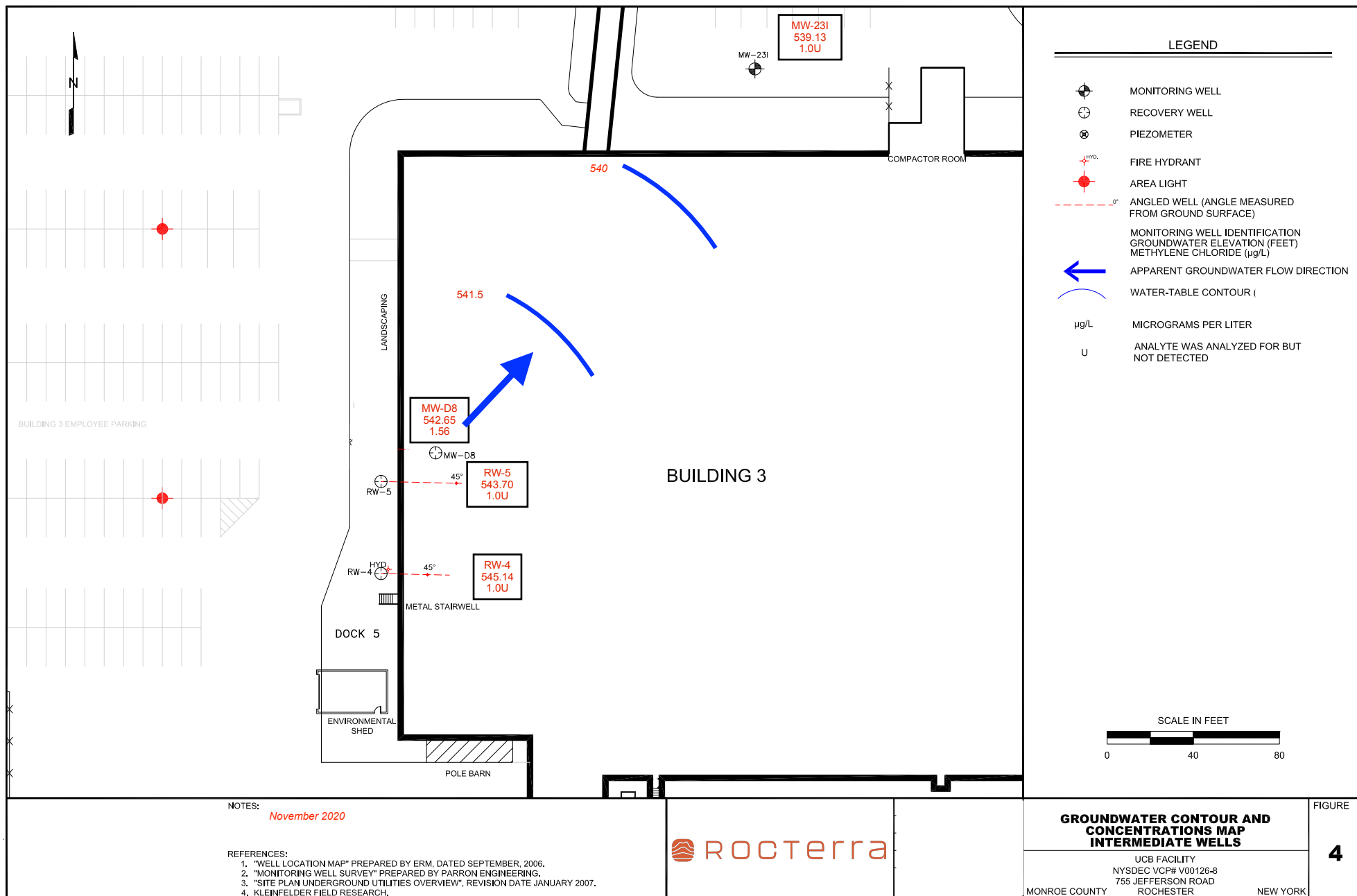
UCB FACILITY
NYSDEC VCP# V00126-8
755 JEFFERSON ROAD
ROCHESTER
MONROE COUNTY NEW YORK

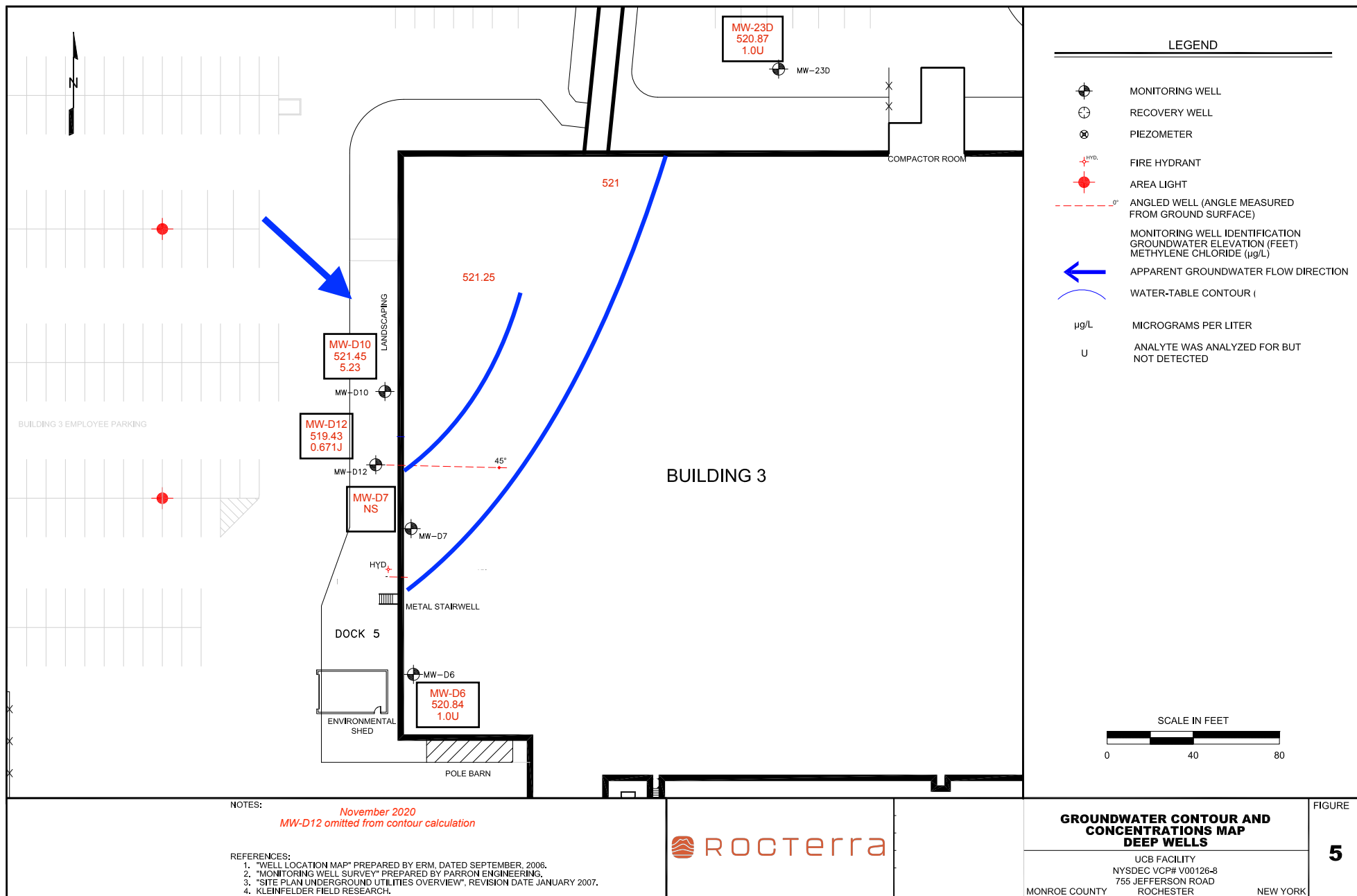
FIGURE

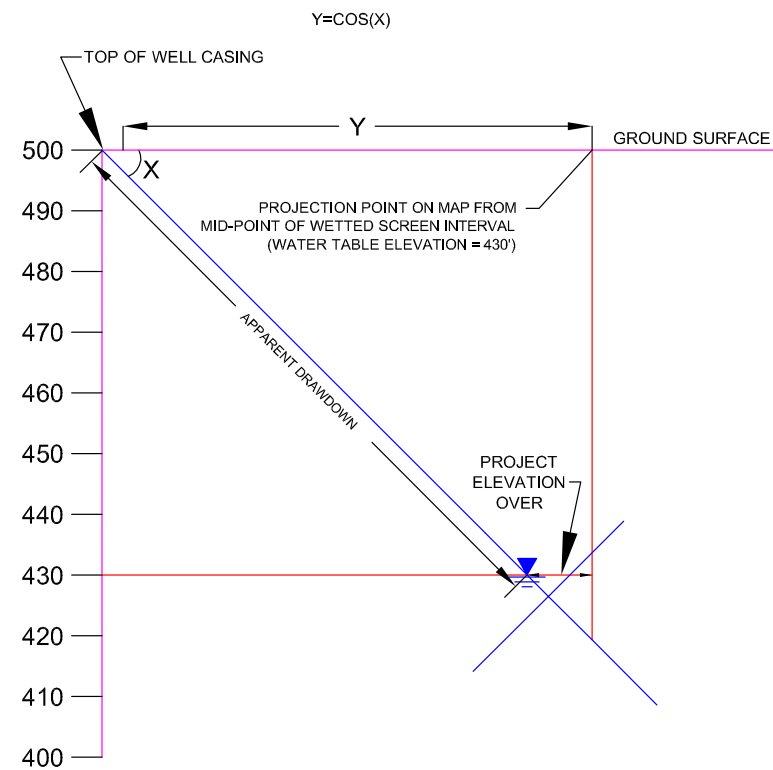
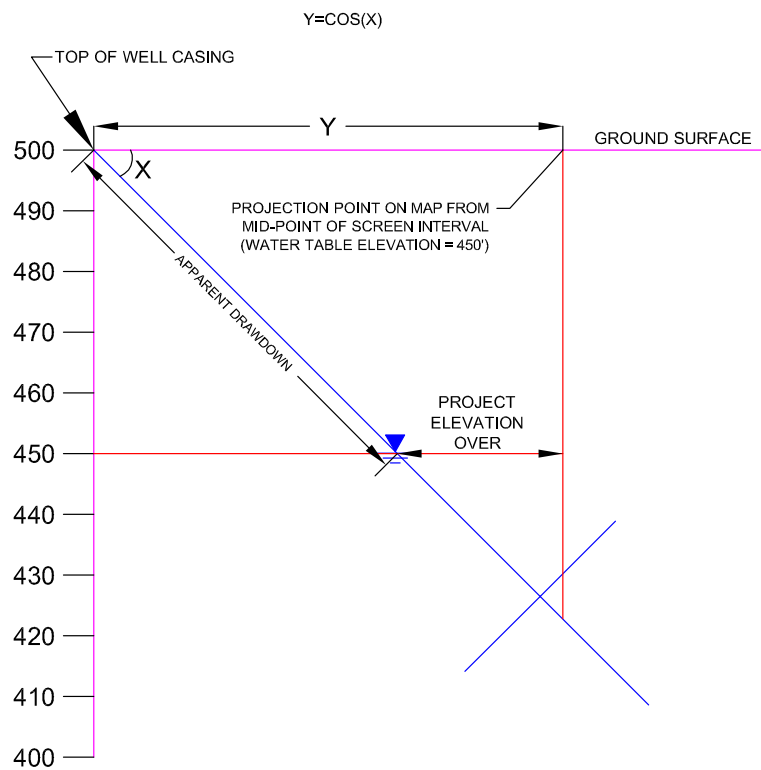
1











REFERENCES:

1. "WELL LOCATION MAP" PREPARED BY ERM, DATED SEPTEMBER, 2006.
2. "MONITORING WELL SURVEY" PREPARED BY PARRON ENGINEERING.
3. "SITE PLAN UNDERGROUND UTILITIES OVERVIEW", REVISION DATE JANUARY 2007.
4. KLEINFELDER FIELD RESEARCH.



**DIAGONAL WELL
POTENTIOMETRIC CONVERSION**

UCB FACILITY
NYSDEC VCP# V00126-8
755 JEFFERSON ROAD
MONROE COUNTY ROCHESTER NEW YORK

FIGURE

6

Figure 7
Methylene Chloride Concentration in MW-D10
(Deep Well)

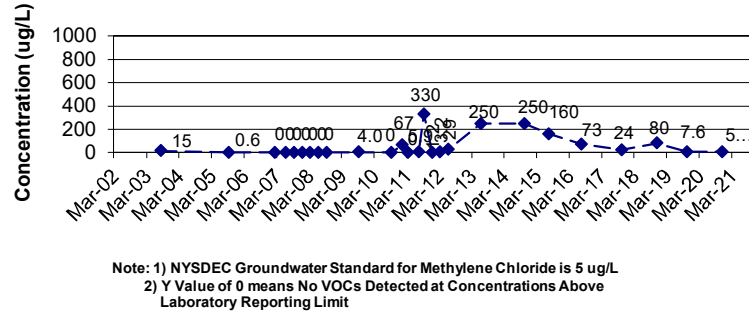
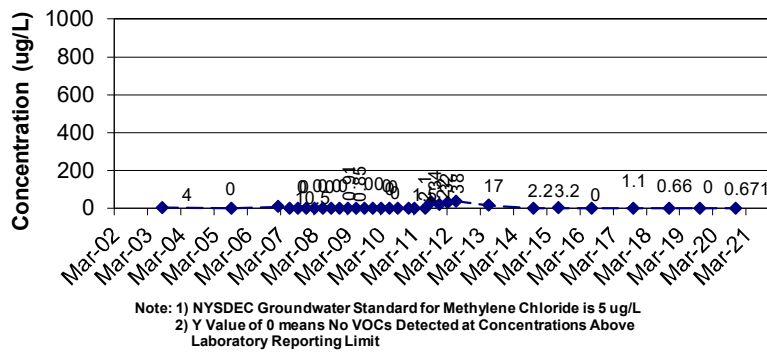


Figure 8
Methylene Chloride Concentration in MW-D12
(Deep Well)



Appendix A



January 22, 2021

Service Request No:R2011094

Mr. Alex Wirth
RocTerra LLC
124 Woodstock Road
Rochester, NY 14609

Laboratory Results for: Sanofi Aventis

Dear Mr.Wirth,

Enclosed are the results of the sample(s) submitted to our laboratory November 19, 2020
For your reference, these analyses have been assigned our service request number **R2011094**.

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 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

ADDRESS

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

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



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Narrative Documents

ALS Environmental—Rochester Laboratory

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

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

www.alsglobal.com

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Received: 11/19/2020

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:

Eleven water samples were received for analysis at ALS Environmental on 11/19/2020. 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 624, 11/29/2020: The upper control limit was exceeded for ethyl acetate in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Revision Note: This report was revised to include the calibration information for ethyl acetate and isopropyl acetate. It was also changed to include MDL reporting.

Approved by  _____

Date 01/22/2021

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-18	Lab ID: R2011094-001

Analyte	Results	Flag	MDL	MRL	Units	Method
Methylene Chloride	1.16		0.650	1.00	ug/L	624.1
Methyl Ethyl Ketone	1.60	J	0.780	5.00	ug/L	624.1

CLIENT ID: MW-D8	Lab ID: R2011094-006

Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	0.363	J	0.230	1.00	ug/L	624.1
Methylene Chloride	1.56		0.650	1.00	ug/L	624.1

CLIENT ID: MW-D10	Lab ID: R2011094-007

Analyte	Results	Flag	MDL	MRL	Units	Method
Methylene Chloride	5.23		0.650	1.00	ug/L	624.1

CLIENT ID: MW-D12	Lab ID: R2011094-008

Analyte	Results	Flag	MDL	MRL	Units	Method
Methylene Chloride	0.671	J	0.650	1.00	ug/L	624.1

CLIENT ID: RW-4	Lab ID: R2011094-009

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	5.15		2.10	5.00	ug/L	624.1



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: RocTerra LLC
Project: Sanofi Aventis

Service Request:R2011094

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2011094-001	MW-18	11/19/2020	1045
R2011094-002	MW-23S	11/19/2020	1545
R2011094-003	MW-23I	11/19/2020	1645
R2011094-004	MW-23D	11/19/2020	1315
R2011094-005	MW-D6	11/19/2020	1220
R2011094-006	MW-D8	11/19/2020	1115
R2011094-007	MW-D10	11/19/2020	1700
R2011094-008	MW-D12	11/19/2020	1605
R2011094-009	RW-4	11/19/2020	1500
R2011094-010	RW-5	11/19/2020	1540
R2011094-011	Trip Blank	11/19/2020	1745

Project Name Sanofi						Project Number								
Project Manager A. Wirth						Report CC								
Company/Address Rocterra 124 Woodstock Rd Rochester, NY 14609														
Phone # 585-698-6842						Email alex@rocterra.org								
Sampler's Signature 						Sampler's Printed Name Alex Wirth								
ANALYSIS REQUESTED (Include Method Number and Container Preservative)														
PRESERVATIVE														
NUMBER OF CONTAINERS														
GC/MS VOAs • 8260 • 8270 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8121 • 801/802 PESTICIDES • 8061 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below)														
Preservative Key 0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other _____														
REMARKS/ ALTERNATE DESCRIPTION														
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE TIME MATRIX										
MW-B			11/19/20	1045	GL 3	X								
MW-23S			11/18/20	1545		X								
MW-23I			11/19/20	1645		X								
MW-23D			11/19/20	1315		X								
MW-D6			11/19/20	220		X								
MW-D8			11/19/20	1115		X								
MW-D10			11/19/20	1700		X								
MW-D12			11/19/20	1605		X								
BW-4			11/19/20	1500		X								
BW-5			11/19/20	1540	V	X								
Trip Blank			11/17/20	1745	V	X								
SPECIAL INSTRUCTIONS/COMMENTS Metals See attached site specific analyte list						TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day X Standard (10 business days-No Surcharge) REQUESTED REPORT DATE _____			REPORT REQUIREMENTS ____ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries X IV. Data Validation Report with Raw Data Edata ____ Yes ____ No			INVOICE INFORMATION PO # _____ BILL TO: _____		
See QAPP ☐														
STATE WHERE SAMPLES WERE COLLECTED NY														
RELINQUISHED BY 		RECEIVED BY 		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY				
Signature Alex Wirth		Signature Carol White		Signature		Signature		Signature		Signature				
Printed Name Rocterra		Printed Name Carol White		Printed Name		Printed Name		Printed Name		Printed Name				
Firm 11/19/20 1755		Firm ALS		Firm		Firm		Firm		Firm				
Date/Time 11/19/20 1755		Date/Time 11/19/20 1755		Date/Time		Date/Time		Date/Time		Date/Time				
						R2011094 5 RocTerra LLC Sanofi Aventis								



Cooler Receipt and Preservation Check Form

R2011094

5

RocTerra LLC
Sanofi AventisProject/Client RocTerra

Folder Number _____

Cooler received on 11/11/2020by: SW

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: <u>Wet</u> Ice Dry Ice Gel packs present?	Y ☒ N

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

8. Temperature Readings Date: 11/11/2020 Time: 1800 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.8</u>						
Within 0-6°C?	☒ 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: R202 by SW on 11/11/2020 at 1800

5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 11/12/2020 Time: 1910 by: SW

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

pH	Lot of test paper	Reagent	Preserved?	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH	Yes No						
≤2		HNO ₃							
≤2		H ₂ SO ₄							
<4		NaHSO ₄							
5-9		For 608pest		No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522		If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃							
		ZnAcetate	- -						
		HCl	** **						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 2561-3

Explain all Discrepancies/ Other Comments: _____

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: SW

PC Secondary Review: _____

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

ALS Group USA, Corp.
dba ALS Environmental
Internal Chain of Custody Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2011094-001.01	624				
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1149	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	
R2011094-001.02					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-001.03					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-002.01	624				
		11/20/2020	1809	SMO / GLAFORCE	1/8/2021
		11/20/2020	1809	R-001 / GLAFORCE	1/8/2021
		11/29/2020	1149	In Lab / FNAEGLER	1/8/2021
		11/29/2020	1158	R-001-S10 / FNAEGLER	1/8/2021
		1/8/2021	1200	R-Sink / ROCHESTER SMO	1/8/2021
R2011094-002.02					
		11/20/2020	1809	SMO / GLAFORCE	1/8/2021
		11/20/2020	1809	R-001 / GLAFORCE	1/8/2021
		1/8/2021	1200	R-Sink / ROCHESTER SMO	1/8/2021
R2011094-002.03					
		11/20/2020	1809	SMO / GLAFORCE	1/8/2021
		11/20/2020	1809	R-001 / GLAFORCE	1/8/2021
		1/8/2021	1200	R-Sink / ROCHESTER SMO	1/8/2021
R2011094-003.01	624				
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1149	In Lab / FNAEGLER	
R2011094-003.02					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1158	R-001-S10 / FNAEGLER	

ALS Group USA, Corp.
dba ALS Environmental
Internal Chain of Custody Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2011094-003.03					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-004.01					
	624				
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1149	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	
R2011094-004.02					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-004.03					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-005.01					
	624				
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1149	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	
R2011094-005.02					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-005.03					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-006.01					
	624				
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1149	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	
R2011094-006.02					
		11/20/2020	1809	SMO / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental
Internal Chain of Custody Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2011094-006.03		11/20/2020	1809	R-001 / GLAFORCE	
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-007.01	624	11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1149	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	
R2011094-007.02		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-007.03		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-008.01	624	11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1150	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	
R2011094-008.02		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-008.03		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-009.01	624	11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1150	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	

ALS Group USA, Corp.
dba ALS Environmental
Internal Chain of Custody Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2011094-009.02					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-009.03					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-010.01					
	624				
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1150	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	
R2011094-010.02					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-010.03					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-011.01					
	624				
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
		11/29/2020	1150	In Lab / FNAEGLER	
		11/29/2020	1158	R-001-S10 / FNAEGLER	
R2011094-011.02					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	
R2011094-011.03					
		11/20/2020	1809	SMO / GLAFORCE	
		11/20/2020	1809	R-001 / GLAFORCE	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

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



Rochester Lab ID # for State Certifications¹

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

ALS Laboratory Group

Acronyms

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

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
624.1	Water	Carbon Disulfide
624.1	Water	Ethyl Acetate
624.1	Water	Isopropyl Acetate
624.1	Water	Methyl Ethyl Ketone

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: RocTerra LLC
Project: Sanofi Aventis/

Service Request: R2011094

Sample Name: MW-18
Lab Code: R2011094-001
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-23S
Lab Code: R2011094-002
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-23I
Lab Code: R2011094-003
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-23D
Lab Code: R2011094-004
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-D6
Lab Code: R2011094-005
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: RocTerra LLC
Project: Sanofi Aventis/

Service Request: R2011094

Sample Name: MW-D8
Lab Code: R2011094-006
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-D10
Lab Code: R2011094-007
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-D12
Lab Code: R2011094-008
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: RW-4
Lab Code: R2011094-009
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: RW-5
Lab Code: R2011094-010
Sample Matrix: Water

Date Collected: 11/19/20**Date Received:** 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: RocTerra LLC
Project: Sanofi Aventis/

Service Request: R2011094

Sample Name: Trip Blank
Lab Code: R2011094-011
Sample Matrix: Water

Date Collected: 11/19/20
Date Received: 11/19/20

Analysis Method
624

Extracted/Digested By

Analyzed By
FNAEGLER



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 10:45
Date Received: 11/19/20 17:55

Sample Name: MW-18
Lab Code: R2011094-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 16:48	
Benzene	1.00 U	1.00	0.200	1	11/29/20 16:48	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 16:48	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 16:48	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 16:48	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 16:48	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 16:48	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 16:48	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 16:48	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 16:48	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 16:48	
Methylene Chloride	1.16	1.00	0.650	1	11/29/20 16:48	
Methyl Ethyl Ketone	1.60 J	5.00	0.780	1	11/29/20 16:48	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 16:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	110	73 - 125	11/29/20 16:48	
4-Bromofluorobenzene	101	85 - 122	11/29/20 16:48	
Toluene-d8	107	87 - 121	11/29/20 16:48	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 15:45
Date Received: 11/19/20 17:55

Sample Name: MW-23S
Lab Code: R2011094-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 17:10	
Benzene	1.00 U	1.00	0.200	1	11/29/20 17:10	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 17:10	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 17:10	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 17:10	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 17:10	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 17:10	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 17:10	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 17:10	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 17:10	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 17:10	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 17:10	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 17:10	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 17:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	115	73 - 125	11/29/20 17:10	
4-Bromofluorobenzene	101	85 - 122	11/29/20 17:10	
Toluene-d8	110	87 - 121	11/29/20 17:10	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 16:45
Date Received: 11/19/20 17:55

Sample Name: MW-23I
Lab Code: R2011094-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 17:31	
Benzene	1.00 U	1.00	0.200	1	11/29/20 17:31	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 17:31	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 17:31	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 17:31	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 17:31	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 17:31	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 17:31	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 17:31	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 17:31	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 17:31	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 17:31	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 17:31	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 17:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	113	73 - 125	11/29/20 17:31	
4-Bromofluorobenzene	103	85 - 122	11/29/20 17:31	
Toluene-d8	109	87 - 121	11/29/20 17:31	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 13:15
Date Received: 11/19/20 17:55

Sample Name: MW-23D
Lab Code: R2011094-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 17:53	
Benzene	1.00 U	1.00	0.200	1	11/29/20 17:53	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 17:53	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 17:53	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 17:53	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 17:53	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 17:53	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 17:53	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 17:53	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 17:53	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 17:53	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 17:53	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 17:53	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 17:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	112	73 - 125	11/29/20 17:53	
4-Bromofluorobenzene	99	85 - 122	11/29/20 17:53	
Toluene-d8	108	87 - 121	11/29/20 17:53	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 12:20
Date Received: 11/19/20 17:55

Sample Name: MW-D6
Lab Code: R2011094-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 18:15	
Benzene	1.00 U	1.00	0.200	1	11/29/20 18:15	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 18:15	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 18:15	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 18:15	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 18:15	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 18:15	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 18:15	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 18:15	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 18:15	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 18:15	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 18:15	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 18:15	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 18:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	112	73 - 125	11/29/20 18:15	
4-Bromofluorobenzene	99	85 - 122	11/29/20 18:15	
Toluene-d8	108	87 - 121	11/29/20 18:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 11:15
Date Received: 11/19/20 17:55

Sample Name: MW-D8
Lab Code: R2011094-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 18:37	
Benzene	1.00 U	1.00	0.200	1	11/29/20 18:37	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 18:37	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 18:37	
cis-1,2-Dichloroethene	0.363 J	1.00	0.230	1	11/29/20 18:37	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 18:37	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 18:37	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 18:37	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 18:37	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 18:37	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 18:37	
Methylene Chloride	1.56	1.00	0.650	1	11/29/20 18:37	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 18:37	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 18:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	111	73 - 125	11/29/20 18:37	
4-Bromofluorobenzene	101	85 - 122	11/29/20 18:37	
Toluene-d8	108	87 - 121	11/29/20 18:37	

ALS Group USA, Corp.
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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 17:00
Date Received: 11/19/20 17:55

Sample Name: MW-D10
Lab Code: R2011094-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 18:59	
Benzene	1.00 U	1.00	0.200	1	11/29/20 18:59	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 18:59	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 18:59	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 18:59	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 18:59	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 18:59	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 18:59	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 18:59	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 18:59	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 18:59	
Methylene Chloride	5.23	1.00	0.650	1	11/29/20 18:59	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 18:59	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 18:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	115	73 - 125	11/29/20 18:59	
4-Bromofluorobenzene	104	85 - 122	11/29/20 18:59	
Toluene-d8	109	87 - 121	11/29/20 18:59	

ALS Group USA, Corp.
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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 16:05
Date Received: 11/19/20 17:55

Sample Name: MW-D12
Lab Code: R2011094-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 19:21	
Benzene	1.00 U	1.00	0.200	1	11/29/20 19:21	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 19:21	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 19:21	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 19:21	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 19:21	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 19:21	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 19:21	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 19:21	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 19:21	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 19:21	
Methylene Chloride	0.671 J	1.00	0.650	1	11/29/20 19:21	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 19:21	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 19:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	109	73 - 125	11/29/20 19:21	
4-Bromofluorobenzene	103	85 - 122	11/29/20 19:21	
Toluene-d8	110	87 - 121	11/29/20 19:21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 15:00
Date Received: 11/19/20 17:55

Sample Name: RW-4
Lab Code: R2011094-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.15	5.00	2.10	1	11/29/20 19:43	
Benzene	1.00 U	1.00	0.200	1	11/29/20 19:43	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 19:43	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 19:43	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 19:43	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 19:43	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 19:43	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 19:43	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 19:43	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 19:43	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 19:43	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 19:43	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 19:43	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 19:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	73 - 125	11/29/20 19:43	
4-Bromofluorobenzene	103	85 - 122	11/29/20 19:43	
Toluene-d8	110	87 - 121	11/29/20 19:43	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 15:40
Date Received: 11/19/20 17:55

Sample Name: RW-5
Lab Code: R2011094-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 20:05	
Benzene	1.00 U	1.00	0.200	1	11/29/20 20:05	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 20:05	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 20:05	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 20:05	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 20:05	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 20:05	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 20:05	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 20:05	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 20:05	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 20:05	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 20:05	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 20:05	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 20:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	73 - 125	11/29/20 20:05	
4-Bromofluorobenzene	99	85 - 122	11/29/20 20:05	
Toluene-d8	108	87 - 121	11/29/20 20:05	

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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 17:45
Date Received: 11/19/20 17:55

Sample Name: Trip Blank
Lab Code: R2011094-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 16:26	
Benzene	1.00 U	1.00	0.200	1	11/29/20 16:26	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 16:26	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 16:26	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 16:26	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 16:26	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 16:26	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 16:26	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 16:26	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 16:26	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 16:26	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 16:26	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 16:26	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 16:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	111	73 - 125	11/29/20 16:26	
4-Bromofluorobenzene	99	85 - 122	11/29/20 16:26	
Toluene-d8	108	87 - 121	11/29/20 16:26	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Sample Name	Lab Code	1,2-Dichloroethane-d4	4-Bromofluorobenzene	Toluene-d8
		73-125	85-122	87-121
MW-18	R2011094-001	110	101	107
MW-23S	R2011094-002	115	101	110
MW-23I	R2011094-003	113	103	109
MW-23D	R2011094-004	112	99	108
MW-D6	R2011094-005	112	99	108
MW-D8	R2011094-006	111	101	108
MW-D10	R2011094-007	115	104	109
MW-D12	R2011094-008	109	103	110
RW-4	R2011094-009	114	103	110
RW-5	R2011094-010	114	99	108
Trip Blank	R2011094-011	111	99	108
Method Blank	RQ2014692-07	107	100	105
Lab Control Sample	RQ2014692-03	106	102	104
Lab Control Sample	RQ2014692-05	108	100	106

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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Analyzed: 11/29/20 16:04

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ2014692-07

Instrument ID: R-MS-10
File ID: I:\ACQUDATA\msvoa10\data\112920\T3569.D\

Analysis Method: 624.1

Analysis Lot: 705142

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2014692-03	I:\ACQUDATA\msvoa10\data\112920\T3556.D\	11/29/20 10:44
Lab Control Sample	RQ2014692-05	I:\ACQUDATA\msvoa10\data\112920\T3558.D\	11/29/20 11:52
Trip Blank	R2011094-011	I:\ACQUDATA\msvoa10\data\112920\T3570.D\	11/29/20 16:26
MW-18	R2011094-001	I:\ACQUDATA\msvoa10\data\112920\T3571.D\	11/29/20 16:48
MW-23S	R2011094-002	I:\ACQUDATA\msvoa10\data\112920\T3572.D\	11/29/20 17:10
MW-23I	R2011094-003	I:\ACQUDATA\msvoa10\data\112920\T3573.D\	11/29/20 17:31
MW-23D	R2011094-004	I:\ACQUDATA\msvoa10\data\112920\T3574.D\	11/29/20 17:53
MW-D6	R2011094-005	I:\ACQUDATA\msvoa10\data\112920\T3575.D\	11/29/20 18:15
MW-D8	R2011094-006	I:\ACQUDATA\msvoa10\data\112920\T3576.D\	11/29/20 18:37
MW-D10	R2011094-007	I:\ACQUDATA\msvoa10\data\112920\T3577.D\	11/29/20 18:59
MW-D12	R2011094-008	I:\ACQUDATA\msvoa10\data\112920\T3578.D\	11/29/20 19:21
RW-4	R2011094-009	I:\ACQUDATA\msvoa10\data\112920\T3579.D\	11/29/20 19:43
RW-5	R2011094-010	I:\ACQUDATA\msvoa10\data\112920\T3580.D\	11/29/20 20:05

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2014692-07

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 16:04	
Benzene	1.00 U	1.00	0.200	1	11/29/20 16:04	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 16:04	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 16:04	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 16:04	
Chloromethane	0.311 J	1.00	0.280	1	11/29/20 16:04	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 16:04	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 16:04	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 16:04	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 16:04	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 16:04	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 16:04	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 16:04	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 16:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	107	73 - 125	11/29/20 16:04	
4-Bromofluorobenzene	100	85 - 122	11/29/20 16:04	
Toluene-d8	105	87 - 121	11/29/20 16:04	

ALS Group USA, Corp.

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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Analyzed: 11/29/20 11:52

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample**Instrument ID:** R-MS-10**Lab Code:** RQ2014692-05**File ID:** I:\ACQUDATA\msvoa10\data\112920\T3558.D**Analysis Method:** 624.1**Analysis Lot:** 705142

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2014692-07	I:\ACQUDATA\msvoa10\data\112920\T3569.D\	11/29/20 16:04
Trip Blank	R2011094-011	I:\ACQUDATA\msvoa10\data\112920\T3570.D\	11/29/20 16:26
MW-18	R2011094-001	I:\ACQUDATA\msvoa10\data\112920\T3571.D\	11/29/20 16:48
MW-23S	R2011094-002	I:\ACQUDATA\msvoa10\data\112920\T3572.D\	11/29/20 17:10
MW-23I	R2011094-003	I:\ACQUDATA\msvoa10\data\112920\T3573.D\	11/29/20 17:31
MW-23D	R2011094-004	I:\ACQUDATA\msvoa10\data\112920\T3574.D\	11/29/20 17:53
MW-D6	R2011094-005	I:\ACQUDATA\msvoa10\data\112920\T3575.D\	11/29/20 18:15
MW-D8	R2011094-006	I:\ACQUDATA\msvoa10\data\112920\T3576.D\	11/29/20 18:37
MW-D10	R2011094-007	I:\ACQUDATA\msvoa10\data\112920\T3577.D\	11/29/20 18:59
MW-D12	R2011094-008	I:\ACQUDATA\msvoa10\data\112920\T3578.D\	11/29/20 19:21
RW-4	R2011094-009	I:\ACQUDATA\msvoa10\data\112920\T3579.D\	11/29/20 19:43
RW-5	R2011094-010	I:\ACQUDATA\msvoa10\data\112920\T3580.D\	11/29/20 20:05

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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Analyzed: 11/29/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2014692-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Acetone	624.1	15.6	20.0	78	40-161
Benzene	624.1	18.3	20.0	92	65-135
Carbon Disulfide	624.1	17.8	20.0	89	66-128
Chloroform	624.1	19.1	20.0	95	70-135
cis-1,2-Dichloroethene	624.1	19.5	20.0	97	80-117
Chloromethane	624.1	19.9	20.0	99	1-205
Dichlorodifluoromethane (CFC 12)	624.1	20.6	20.0	103	59-155
1,1-Dichloroethylene	624.1	22.3	20.0	111	50-150
trans-1,2-Dichloroethene	624.1	20.4	20.0	102	70-130
Methylene Chloride	624.1	18.8	20.0	94	60-140
Methyl Ethyl Ketone	624.1	17.9	20.0	90	61-137

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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Analyzed: 11/29/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ2014692-05

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ethyl Acetate	624.1	25.5	20.0	127	57-127
Isopropyl Acetate	624.1	24.7	20.0	123	55-126

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QC/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Date Analyzed: 11/29/20 09:32

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\112920\T3554.D\
Instrument ID: R-MS-10

Analytical Method: 624.1
Analysis Lot: 705142

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	20.66	26538	Pass
75	95	30	60	51.13	65688	Pass
95	95	100	100	100.00	128475	Pass
96	95	5	9	6.92	8892	Pass
173	174	0	2	1.52	1672	Pass
174	95	50	120	85.75	110163	Pass
175	174	5	9	7.56	8330	Pass
176	174	95	101	96.15	105920	Pass
177	176	5	9	7.01	7424	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Lab Control Sample	RQ2014692-03	I:\ACQUDATA\msvoa10\data\112920\T3556.D\	11/29/20 10:44	
Continuing Calibration Verification	RQ2014692-10	I:\ACQUDATA\msvoa10\data\112920\T3556.D\	11/29/20 10:44	
Lab Control Sample	RQ2014692-05	I:\ACQUDATA\msvoa10\data\112920\T3558.D\	11/29/20 11:52	
Continuing Calibration Verification	RQ2014692-11	I:\ACQUDATA\msvoa10\data\112920\T3558.D\	11/29/20 11:52	
Method Blank	RQ2014692-07	I:\ACQUDATA\msvoa10\data\112920\T3569.D\	11/29/20 16:04	
Trip Blank	R2011094-011	I:\ACQUDATA\msvoa10\data\112920\T3570.D\	11/29/20 16:26	
MW-18	R2011094-001	I:\ACQUDATA\msvoa10\data\112920\T3571.D\	11/29/20 16:48	
MW-23S	R2011094-002	I:\ACQUDATA\msvoa10\data\112920\T3572.D\	11/29/20 17:10	
MW-23I	R2011094-003	I:\ACQUDATA\msvoa10\data\112920\T3573.D\	11/29/20 17:31	
MW-23D	R2011094-004	I:\ACQUDATA\msvoa10\data\112920\T3574.D\	11/29/20 17:53	
MW-D6	R2011094-005	I:\ACQUDATA\msvoa10\data\112920\T3575.D\	11/29/20 18:15	
MW-D8	R2011094-006	I:\ACQUDATA\msvoa10\data\112920\T3576.D\	11/29/20 18:37	
MW-D10	R2011094-007	I:\ACQUDATA\msvoa10\data\112920\T3577.D\	11/29/20 18:59	
MW-D12	R2011094-008	I:\ACQUDATA\msvoa10\data\112920\T3578.D\	11/29/20 19:21	
RW-4	R2011094-009	I:\ACQUDATA\msvoa10\data\112920\T3579.D\	11/29/20 19:43	
RW-5	R2011094-010	I:\ACQUDATA\msvoa10\data\112920\T3580.D\	11/29/20 20:05	

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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Date Analyzed: 11/29/20 10:44

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

File ID: I:\ACQUDATA\msvoa10\data\112920\T3556.D\
Instrument ID: R-MS-10
Analysis Method: 624.1

Lab Code: RQ2014692-10
Analysis Lot: 705142
Signal ID: 1

	1,4-Difluorobenzene		Bromochloromethane		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	445,802	6.49	37,019	4.77	404,724	9.80
Upper Limit ==>	891,604	6.99	74,038	5.27	809,448	10.30
Lower Limit ==>	222,901	5.99	18,510	4.27	202,362	9.30

Associated Analyses

Lab Control Sample	RQ2014692-03	445802	6.49	37019	4.77	404724	9.80
Continuing Calibration Verification	RQ2014692-10	445802	6.49	37019	4.77	404724	9.80

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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Date Analyzed: 11/29/20 11:52

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

File ID: I:\ACQUDATA\msvoa10\data\112920\T3558.D\
Instrument ID: R-MS-10
Analysis Method: 624.1

Lab Code: RQ2014692-11
Analysis Lot: 705142
Signal ID: 1

	1,4-Difluorobenzene		Bromochloromethane		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	446,706	6.49	0	0.00	399,625	9.80
Upper Limit ==>	893,412	6.99	0	0.50	799,250	10.30
Lower Limit ==>	223,353	5.99	0	-0.50	199,813	9.30

Associated Analyses

Lab Control Sample	RQ2014692-05	446706	6.49	0	0.00	399625	9.80
Method Blank	RQ2014692-07	415607	6.49	0	0.00	372769	9.80
Trip Blank	R2011094-011	421608	6.49	0	0.00	370801	9.80
MW-18	R2011094-001	422358	6.49	0	0.00	377603	9.80
MW-23S	R2011094-002	410727	6.49	0	0.00	369399	9.80
MW-23I	R2011094-003	417878	6.49	0	0.00	372233	9.80
MW-23D	R2011094-004	416410	6.49	0	0.00	370148	9.80
MW-D6	R2011094-005	423501	6.49	0	0.00	379008	9.80
MW-D8	R2011094-006	416128	6.49	0	0.00	371456	9.80
MW-D10	R2011094-007	398204	6.49	0	0.00	351812	9.80
MW-D12	R2011094-008	403657	6.49	0	0.00	357217	9.80
RW-4	R2011094-009	399085	6.49	0	0.00	355199	9.80
RW-5	R2011094-010	421533	6.49	0	0.00	371073	9.80



Raw Data

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Volatile Organic Compounds by GC/MS

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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 10:45
Date Received: 11/19/20 17:55

Sample Name: MW-18
Lab Code: R2011094-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 16:48	
Benzene	1.00 U	1.00	0.200	1	11/29/20 16:48	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 16:48	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 16:48	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 16:48	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 16:48	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 16:48	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 16:48	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 16:48	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 16:48	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 16:48	
Methylene Chloride	1.16	1.00	0.650	1	11/29/20 16:48	
Methyl Ethyl Ketone	1.60 J	5.00	0.780	1	11/29/20 16:48	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 16:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	110	73 - 125	11/29/20 16:48	
4-Bromofluorobenzene	101	85 - 122	11/29/20 16:48	
Toluene-d8	107	87 - 121	11/29/20 16:48	

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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 15:45
Date Received: 11/19/20 17:55

Sample Name: MW-23S
Lab Code: R2011094-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 17:10	
Benzene	1.00 U	1.00	0.200	1	11/29/20 17:10	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 17:10	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 17:10	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 17:10	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 17:10	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 17:10	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 17:10	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 17:10	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 17:10	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 17:10	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 17:10	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 17:10	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 17:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	115	73 - 125	11/29/20 17:10	
4-Bromofluorobenzene	101	85 - 122	11/29/20 17:10	
Toluene-d8	110	87 - 121	11/29/20 17:10	

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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 16:45
Date Received: 11/19/20 17:55

Sample Name: MW-23I
Lab Code: R2011094-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 17:31	
Benzene	1.00 U	1.00	0.200	1	11/29/20 17:31	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 17:31	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 17:31	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 17:31	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 17:31	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 17:31	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 17:31	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 17:31	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 17:31	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 17:31	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 17:31	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 17:31	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 17:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	113	73 - 125	11/29/20 17:31	
4-Bromofluorobenzene	103	85 - 122	11/29/20 17:31	
Toluene-d8	109	87 - 121	11/29/20 17:31	

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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 13:15
Date Received: 11/19/20 17:55

Sample Name: MW-23D
Lab Code: R2011094-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 17:53	
Benzene	1.00 U	1.00	0.200	1	11/29/20 17:53	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 17:53	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 17:53	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 17:53	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 17:53	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 17:53	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 17:53	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 17:53	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 17:53	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 17:53	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 17:53	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 17:53	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 17:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	112	73 - 125	11/29/20 17:53	
4-Bromofluorobenzene	99	85 - 122	11/29/20 17:53	
Toluene-d8	108	87 - 121	11/29/20 17:53	

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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 12:20
Date Received: 11/19/20 17:55

Sample Name: MW-D6
Lab Code: R2011094-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 18:15	
Benzene	1.00 U	1.00	0.200	1	11/29/20 18:15	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 18:15	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 18:15	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 18:15	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 18:15	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 18:15	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 18:15	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 18:15	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 18:15	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 18:15	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 18:15	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 18:15	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 18:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	112	73 - 125	11/29/20 18:15	
4-Bromofluorobenzene	99	85 - 122	11/29/20 18:15	
Toluene-d8	108	87 - 121	11/29/20 18:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 11:15
Date Received: 11/19/20 17:55

Sample Name: MW-D8
Lab Code: R2011094-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 18:37	
Benzene	1.00 U	1.00	0.200	1	11/29/20 18:37	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 18:37	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 18:37	
cis-1,2-Dichloroethene	0.363 J	1.00	0.230	1	11/29/20 18:37	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 18:37	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 18:37	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 18:37	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 18:37	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 18:37	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 18:37	
Methylene Chloride	1.56	1.00	0.650	1	11/29/20 18:37	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 18:37	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 18:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	111	73 - 125	11/29/20 18:37	
4-Bromofluorobenzene	101	85 - 122	11/29/20 18:37	
Toluene-d8	108	87 - 121	11/29/20 18:37	

ALS Group USA, Corp.
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Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 17:00
Date Received: 11/19/20 17:55

Sample Name: MW-D10
Lab Code: R2011094-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 18:59	
Benzene	1.00 U	1.00	0.200	1	11/29/20 18:59	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 18:59	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 18:59	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 18:59	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 18:59	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 18:59	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 18:59	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 18:59	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 18:59	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 18:59	
Methylene Chloride	5.23	1.00	0.650	1	11/29/20 18:59	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 18:59	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 18:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	115	73 - 125	11/29/20 18:59	
4-Bromofluorobenzene	104	85 - 122	11/29/20 18:59	
Toluene-d8	109	87 - 121	11/29/20 18:59	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 16:05
Date Received: 11/19/20 17:55

Sample Name: MW-D12
Lab Code: R2011094-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 19:21	
Benzene	1.00 U	1.00	0.200	1	11/29/20 19:21	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 19:21	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 19:21	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 19:21	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 19:21	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 19:21	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 19:21	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 19:21	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 19:21	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 19:21	
Methylene Chloride	0.671 J	1.00	0.650	1	11/29/20 19:21	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 19:21	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 19:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	109	73 - 125	11/29/20 19:21	
4-Bromofluorobenzene	103	85 - 122	11/29/20 19:21	
Toluene-d8	110	87 - 121	11/29/20 19:21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 15:00
Date Received: 11/19/20 17:55

Sample Name: RW-4
Lab Code: R2011094-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.15	5.00	2.10	1	11/29/20 19:43	
Benzene	1.00 U	1.00	0.200	1	11/29/20 19:43	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 19:43	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 19:43	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 19:43	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 19:43	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 19:43	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 19:43	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 19:43	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 19:43	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 19:43	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 19:43	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 19:43	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 19:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	73 - 125	11/29/20 19:43	
4-Bromofluorobenzene	103	85 - 122	11/29/20 19:43	
Toluene-d8	110	87 - 121	11/29/20 19:43	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 15:40
Date Received: 11/19/20 17:55

Sample Name: RW-5
Lab Code: R2011094-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 20:05	
Benzene	1.00 U	1.00	0.200	1	11/29/20 20:05	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 20:05	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 20:05	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 20:05	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 20:05	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 20:05	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 20:05	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 20:05	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 20:05	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 20:05	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 20:05	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 20:05	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 20:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	73 - 125	11/29/20 20:05	
4-Bromofluorobenzene	99	85 - 122	11/29/20 20:05	
Toluene-d8	108	87 - 121	11/29/20 20:05	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: RocTerra LLC
Project: Sanofi Aventis
Sample Matrix: Water

Service Request: R2011094
Date Collected: 11/19/20 17:45
Date Received: 11/19/20 17:55

Sample Name: Trip Blank
Lab Code: R2011094-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Acetone	5.00 U	5.00	2.10	1	11/29/20 16:26	
Benzene	1.00 U	1.00	0.200	1	11/29/20 16:26	
Carbon Disulfide	10.0 U	10.0	0.420	1	11/29/20 16:26	
Chloroform	1.00 U	1.00	0.240	1	11/29/20 16:26	
cis-1,2-Dichloroethene	1.00 U	1.00	0.230	1	11/29/20 16:26	
Chloromethane	1.00 U	1.00	0.280	1	11/29/20 16:26	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	0.210	1	11/29/20 16:26	
1,1-Dichloroethylene	1.00 U	1.00	0.200	1	11/29/20 16:26	
trans-1,2-Dichloroethene	1.00 U	1.00	0.200	1	11/29/20 16:26	
Ethyl Acetate	2.00 U	2.00	1.90	1	11/29/20 16:26	
Isopropyl Acetate	2.00 U	2.00	0.190	1	11/29/20 16:26	
Methylene Chloride	1.00 U	1.00	0.650	1	11/29/20 16:26	
Methyl Ethyl Ketone	5.00 U	5.00	0.780	1	11/29/20 16:26	
Xylenes, Total	2.00 U	2.00	0.400	1	11/29/20 16:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	111	73 - 125	11/29/20 16:26	
4-Bromofluorobenzene	99	85 - 122	11/29/20 16:26	
Toluene-d8	108	87 - 121	11/29/20 16:26	

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3571.D
Acq On : 29 Nov 2020 4:48 pm
Operator : F.NAEGLER
Sample : R2011094-001|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:05:53 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	273459	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	422358	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	377603	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	184396	50.00	ug/L	0.00

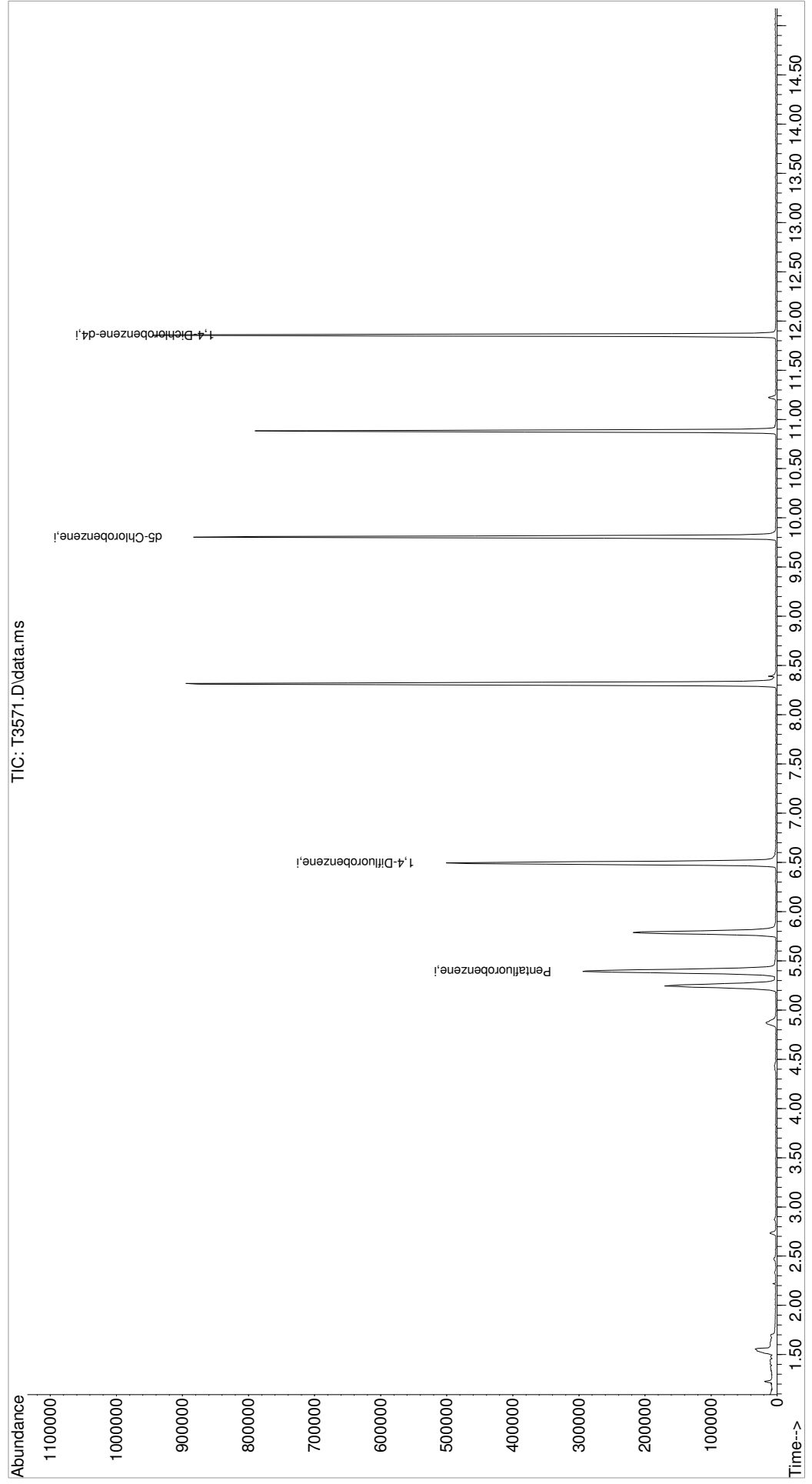
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3571.D
 Acq On : 29 Nov 2020 4:48 pm
 Operator : F.NAEGLER
 Sample : R2011094-001|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 17 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Nov 30 08:05:53 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3571.D
 Acq On : 29 Nov 2020 4:48 pm
 Operator : F.NAEGLER
 Sample : R2011094-001|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:33:13 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

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

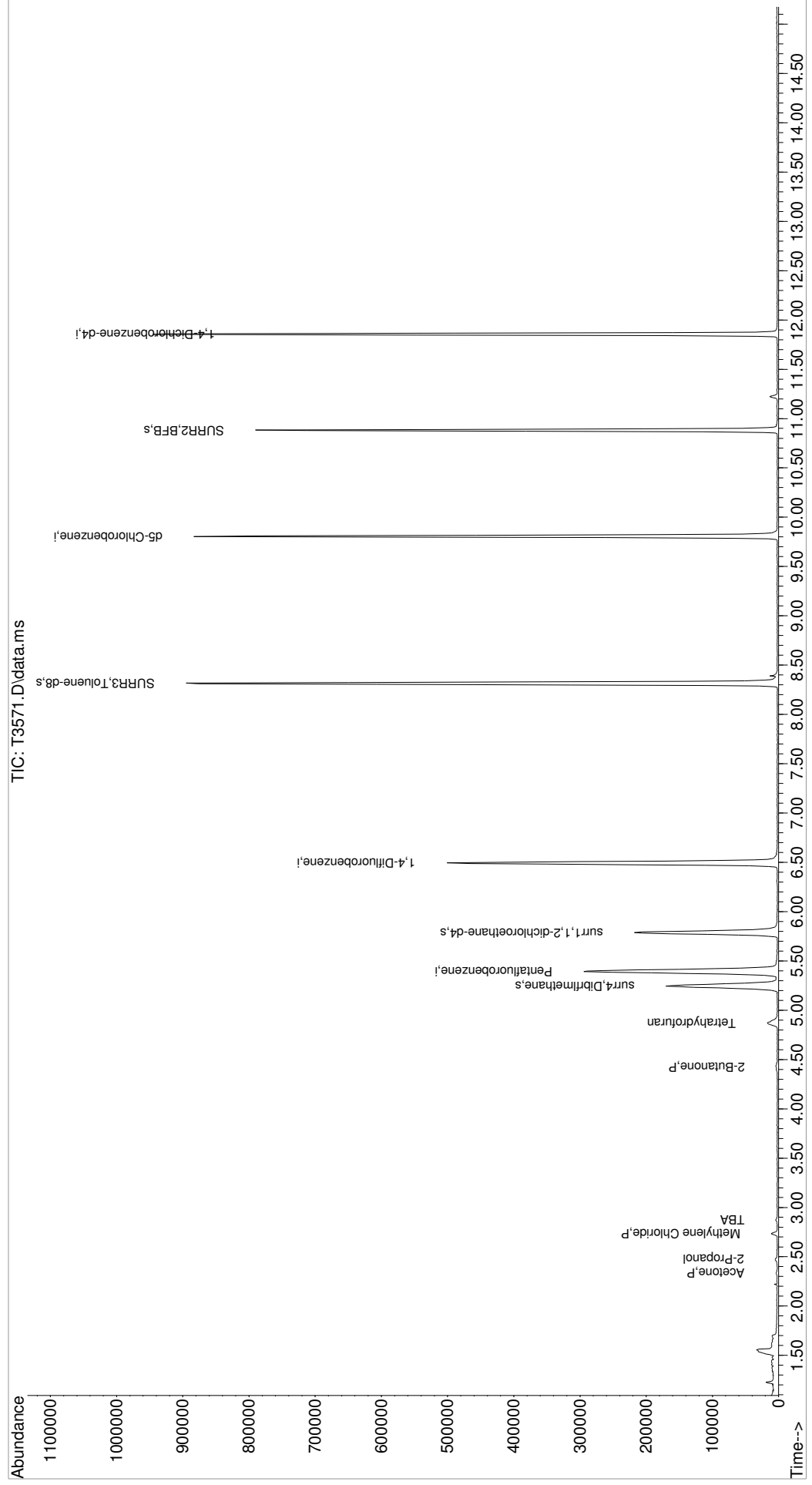
Internal Standards						
1) Pentafluorobenzene	5.391	168	273459	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	422358	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	377603	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	184396	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	136053	51.57	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	103.14%	
46) surr1,1,2-dichloroetha...	5.787	65	186604	54.79	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	109.58%	
64) SURR3,Toluene-d8	8.317	98	548813	53.43	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	106.86%	
69) SURR2,BFB	10.884	95	200403	50.74	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	101.48%	
Target Compounds						
5) Bromomethane	1.593	94	336	Below Cal	Qvalue #	18
15) Acetone	2.337	43	2366	1.42	ug/L	71
16) 2-Propanol	2.477	45	3282	9.21	ug/L	85
22) Methylene Chloride	2.739	84	3231	1.16	ug/L	91
23) TBA	2.879	59	1437	2.56	ug/L	86
34) 2-Butanone	4.422	43	3587	1.60	ug/L #	65
38) Tetrahydrofuran	4.873	42	15261	6.37	ug/L	99

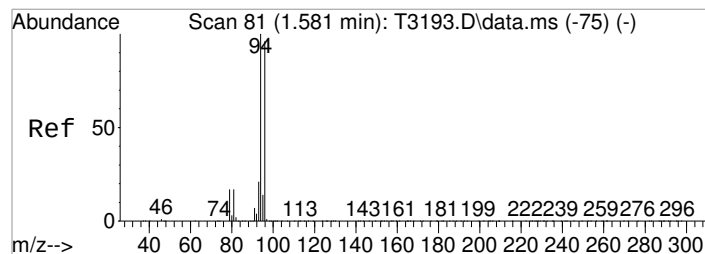
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\112920\
 Data File : T3571.D
 Acq On : 29 Nov 2020 4:48 pm
 Operator : F.NAEGLER
 Sample : R2011094-001|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA10

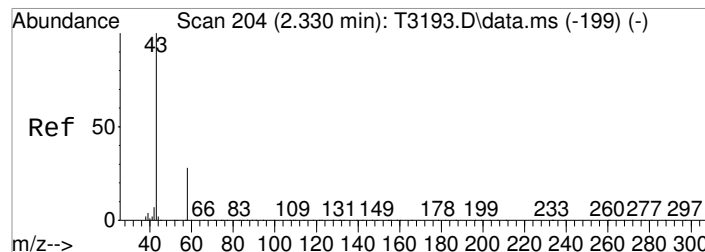
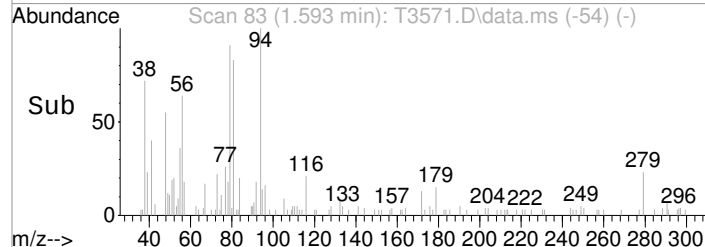
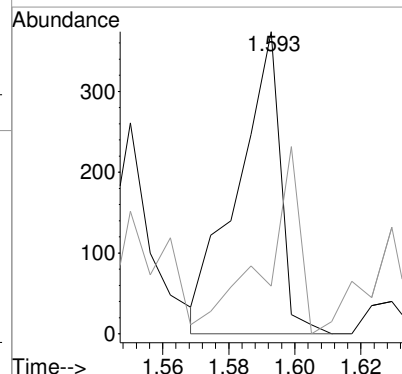
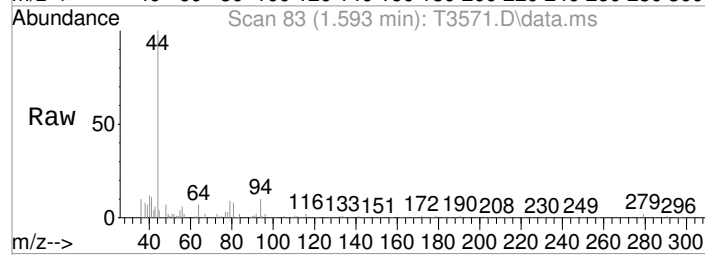
Quant Time: Dec 03 13:33:13 2020
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 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 Qlast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





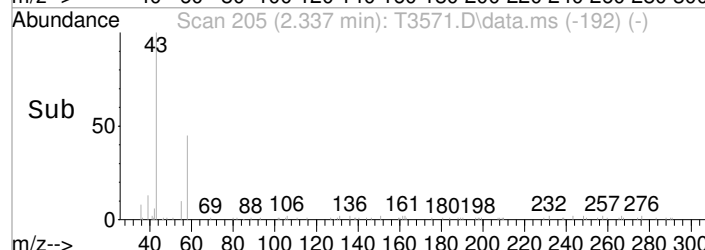
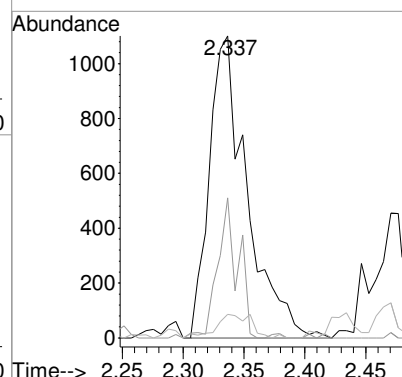
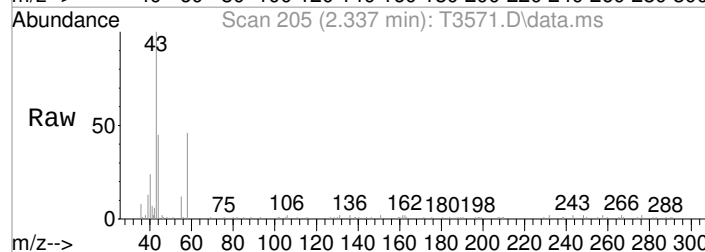
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.593 min Scan# 83
 Delta R.T. 0.013 min
 Lab File: T3571.D
 Acq: 29 Nov 2020 4:48 pm

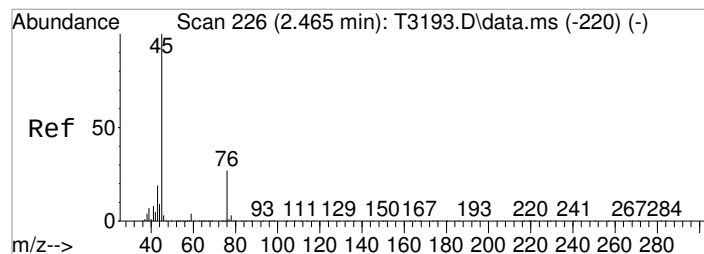
Tgt Ion: 94 Resp: 336
 Ion Ratio Lower Upper
 94 100
 96 15.8 76.3 116.3#



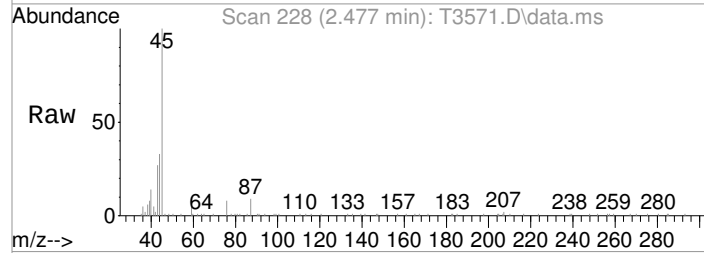
#15
 Acetone
 Concen: 1.42 ug/L
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3571.D
 Acq: 29 Nov 2020 4:48 pm

Tgt Ion: 43 Resp: 2366
 Ion Ratio Lower Upper
 43 100
 58 46.4 7.8 47.8
 42 7.8 0.0 27.2

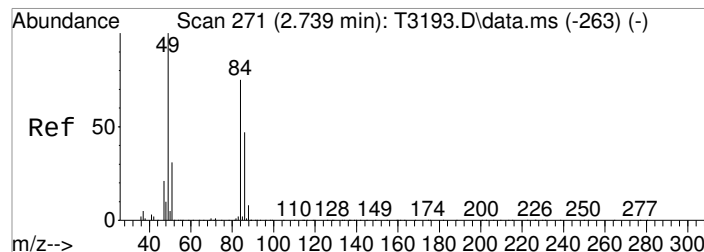
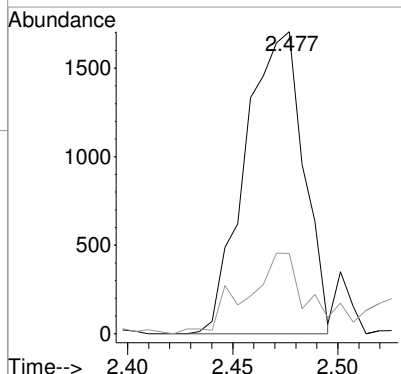
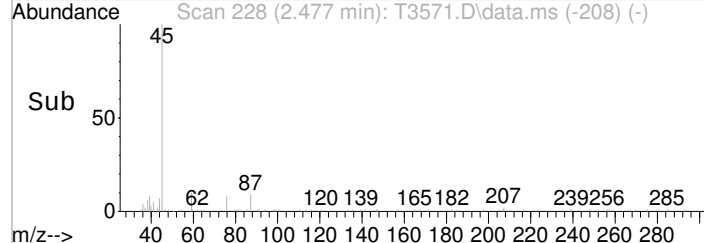




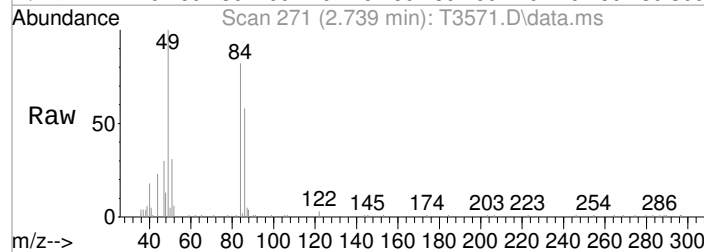
#16
 2-Propanol
 Concen: 9.21 ug/L
 RT: 2.477 min Scan# 228
 Delta R.T. 0.012 min
 Lab File: T3571.D
 Acq: 29 Nov 2020 4:48 pm



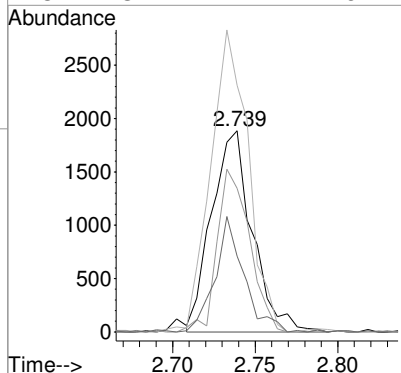
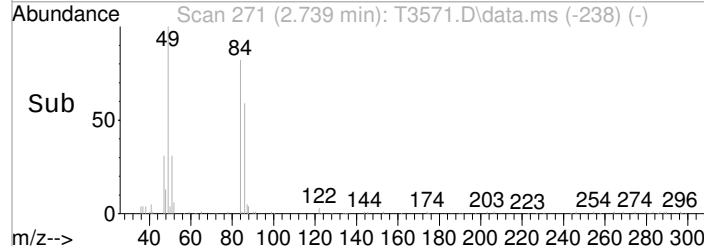
Tgt Ion: 45 Resp: 3282
 Ion Ratio Lower Upper
 45 100
 43 26.6 0.0 39.6

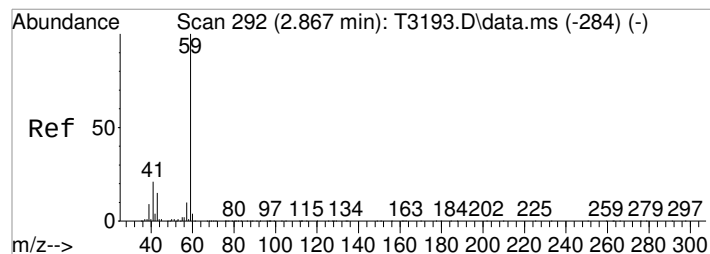


#22
 Methylene Chloride
 Concen: 1.16 ug/L
 RT: 2.739 min Scan# 271
 Delta R.T. 0.000 min
 Lab File: T3571.D
 Acq: 29 Nov 2020 4:48 pm



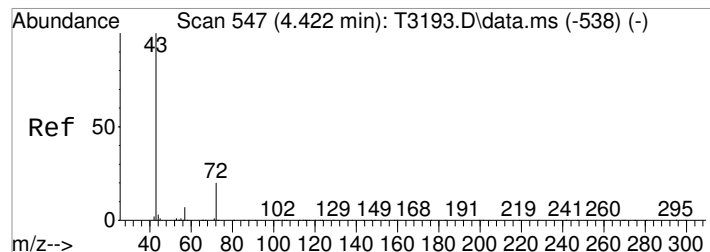
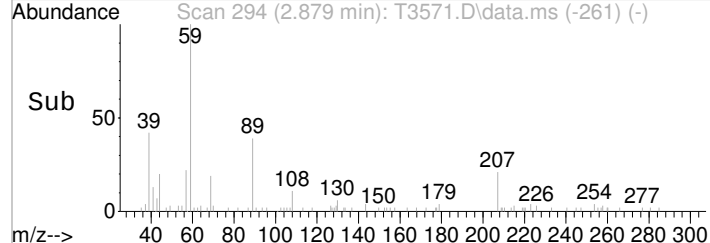
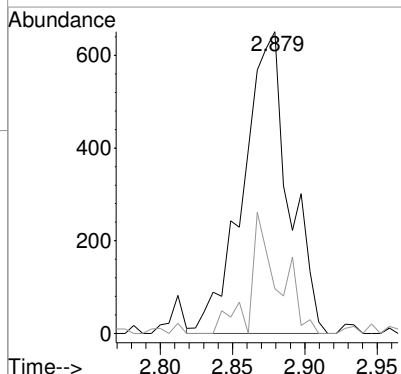
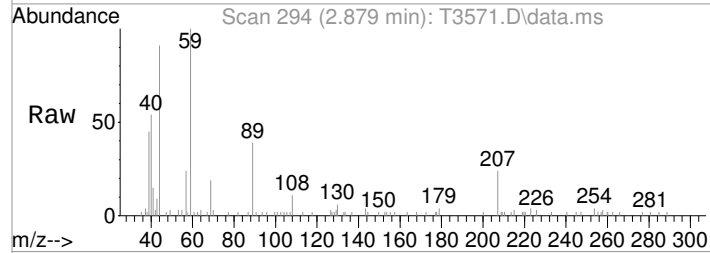
Tgt Ion: 84 Resp: 3231
 Ion Ratio Lower Upper
 84 100
 86 71.3 42.9 82.9
 49 122.5 113.2 153.2
 51 37.7 21.2 61.2





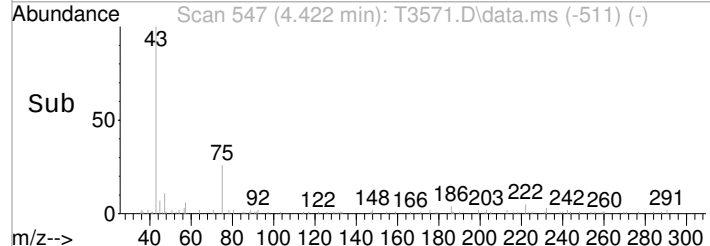
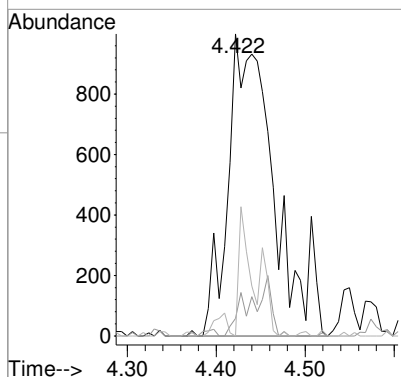
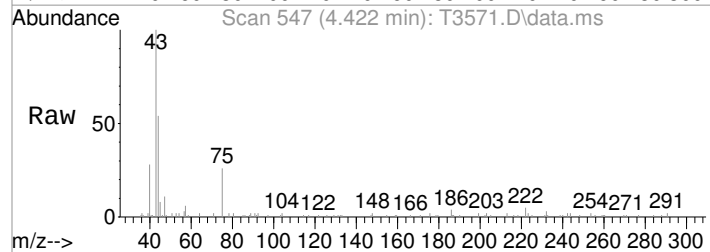
#23
 TBA
 Concen: 2.56 ug/L
 RT: 2.879 min Scan# 294
 Delta R.T. 0.012 min
 Lab File: T3571.D
 Acq: 29 Nov 2020 4:48 pm

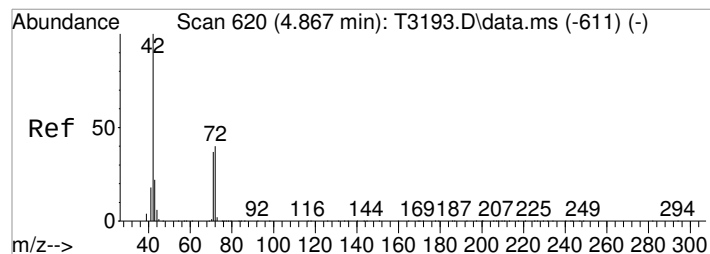
Tgt Ion: 59 Resp: 1437
 Ion Ratio Lower Upper
 59 100
 41 14.9 1.4 41.4



#34
 2-Butanone
 Concen: 1.60 ug/L
 RT: 4.422 min Scan# 547
 Delta R.T. 0.000 min
 Lab File: T3571.D
 Acq: 29 Nov 2020 4:48 pm

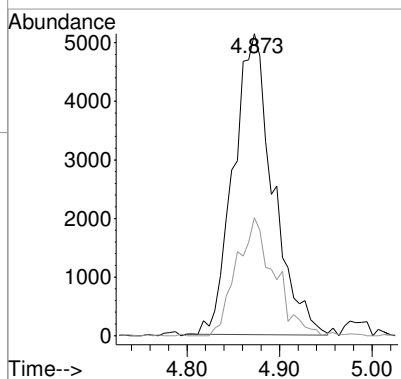
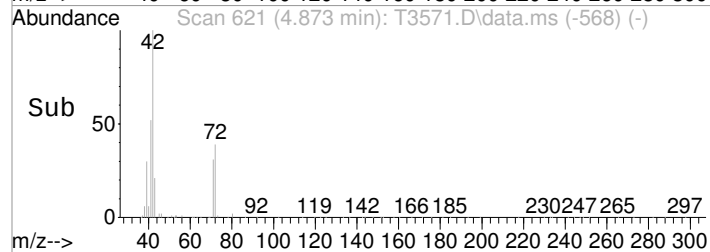
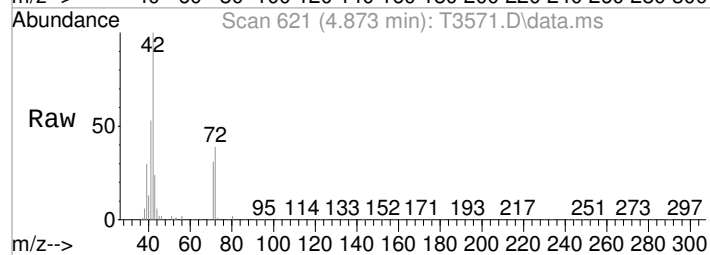
Tgt Ion: 43 Resp: 3587
 Ion Ratio Lower Upper
 43 100
 57 5.8 0.0 27.7
 72 0.0 1.8 41.8#





#38
 Tetrahydrofuran
 Concen: 6.37 ug/L
 RT: 4.873 min Scan# 621
 Delta R.T. 0.007 min
 Lab File: T3571.D
 Acq: 29 Nov 2020 4:48 pm

Tgt Ion: 42 Resp: 15261
 Ion Ratio Lower Upper
 42 100
 72 39.1 19.8 59.8



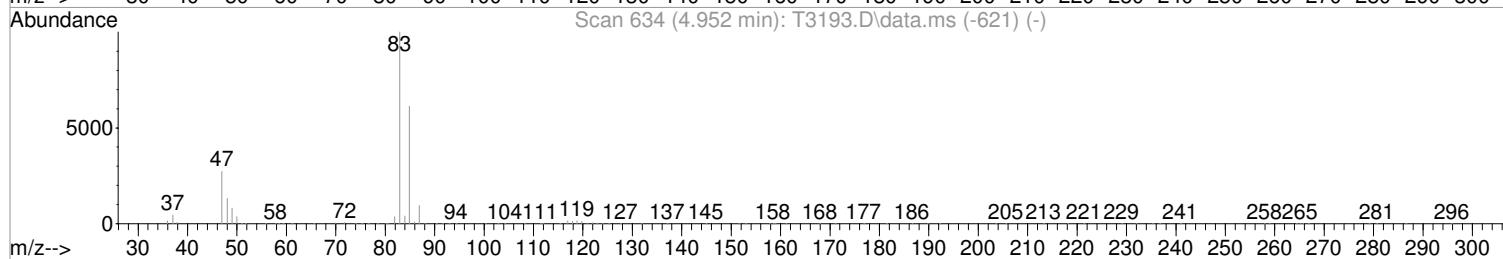
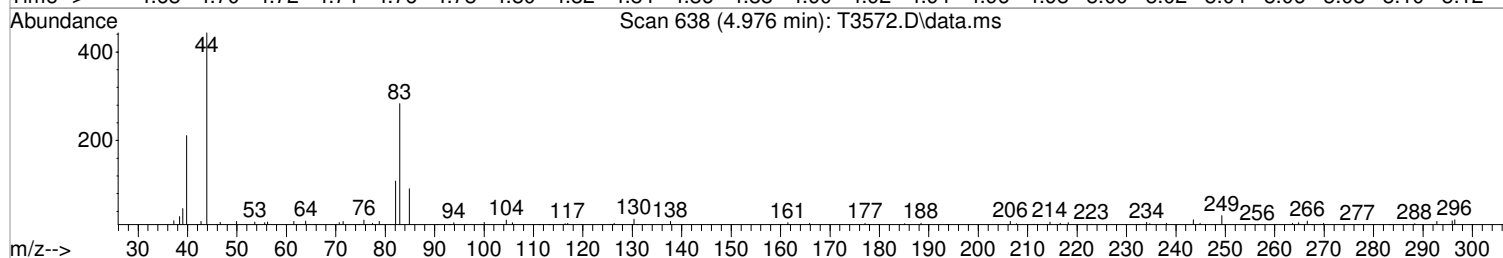
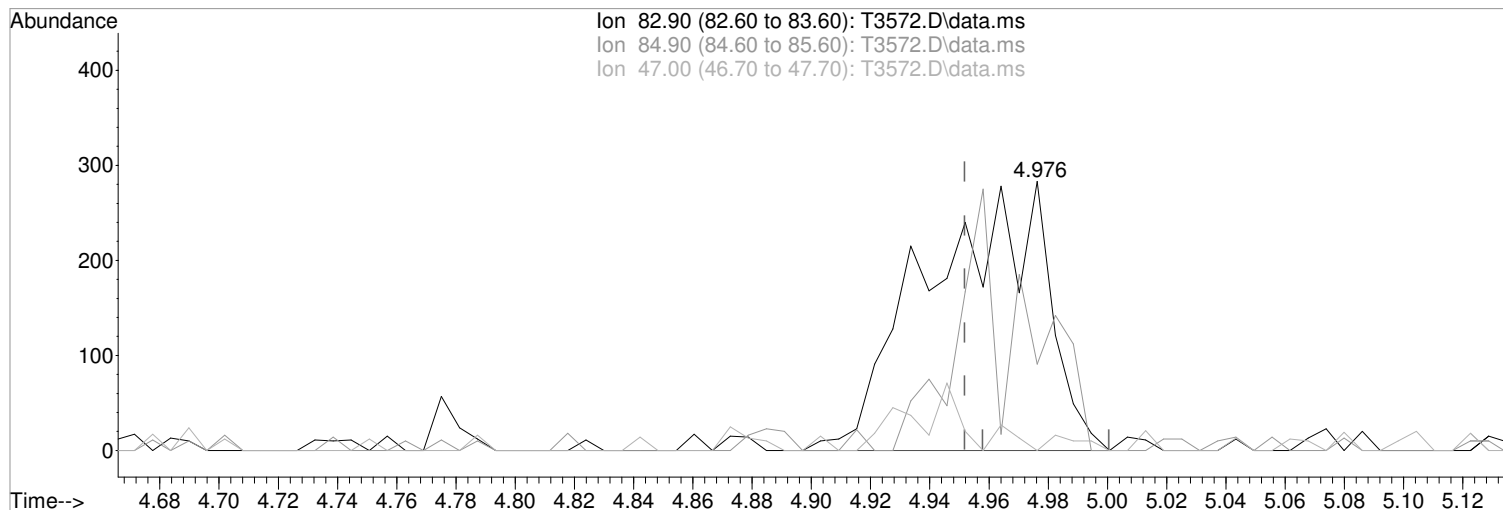
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3572.D
Acq On : 29 Nov 2020 5:10 pm
Operator : F.NAEGLER
Sample : R2011094-002|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:03:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



TIC: T3572.D\data.ms

(39) Chloroform (P)

4.976min (+0.024) 0.18 ug/L m

response 788

Ion	Exp%	Act%
82.90	100	100
84.90	61.30	32.16#
47.00	27.30	0.00#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

12/03/20

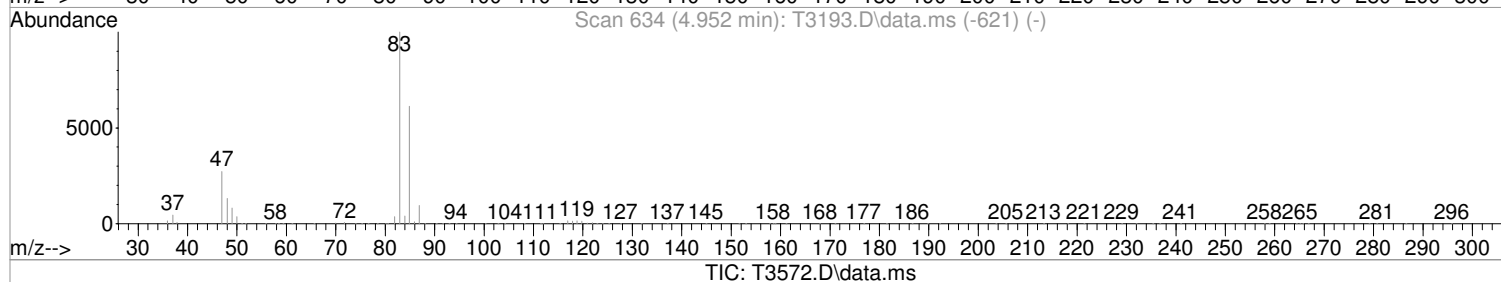
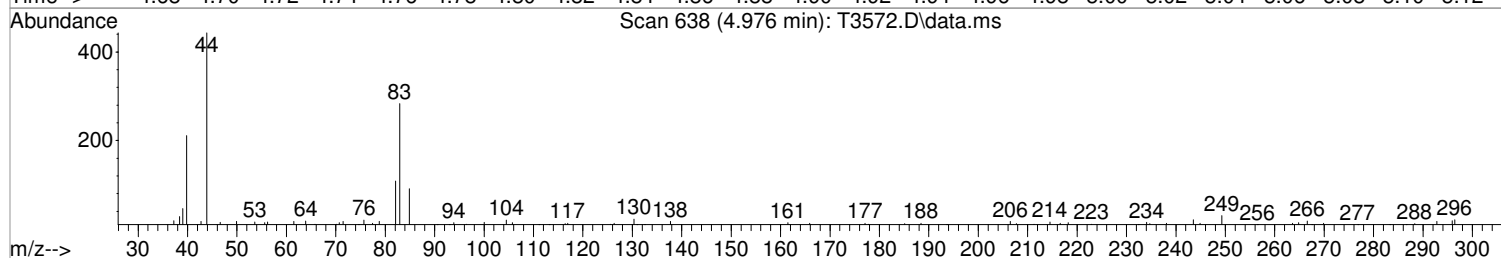
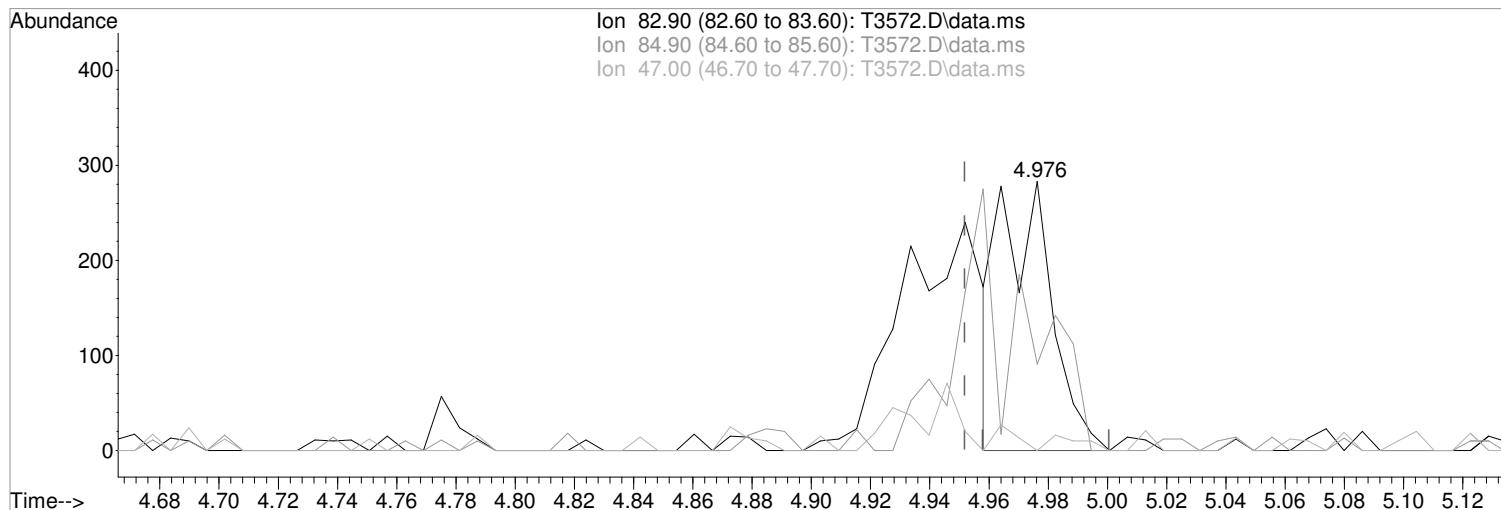
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3572.D
Acq On : 29 Nov 2020 5:10 pm
Operator : F.NAEGLER
Sample : R2011094-002|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:03:30 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



(39) Chloroform (P)

Manual Integration:

4.976min (+0.024) 0.08 ug/L

Before

response 335

Ion Exp% Act%

12/03/20

82.90 100 100

84.90 61.30 32.16#

47.00 27.30 0.00#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3572.D
Acq On : 29 Nov 2020 5:10 pm
Operator : F.NAEGLER
Sample : R2011094-002|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:06:01 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	261192	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	410727	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	369399	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	174414	50.00	ug/L	0.00

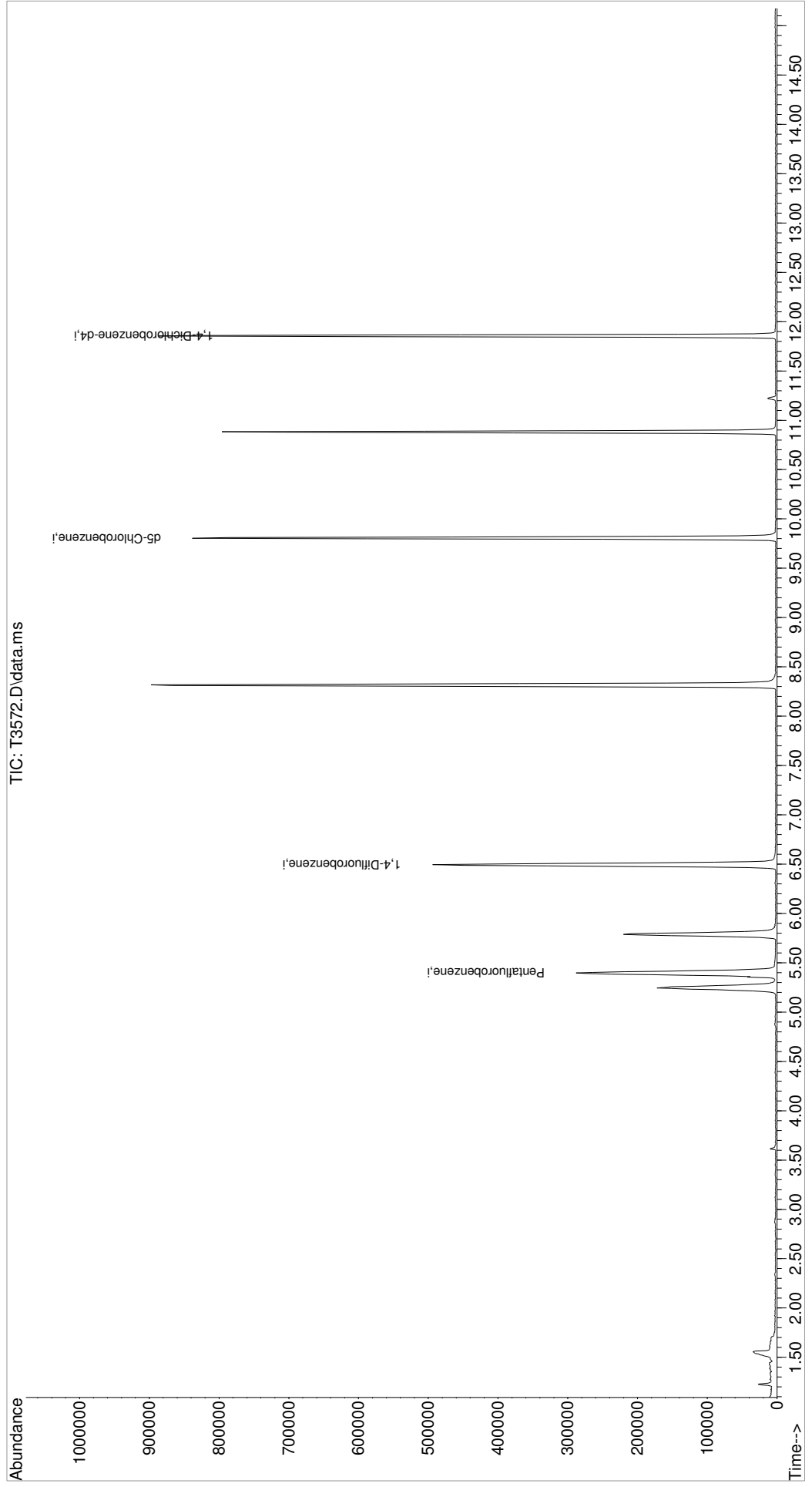
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3572.D
 Acq On : 29 Nov 2020 5:10 pm
 Operator : F.NAEGLER
 Sample : R2011094-002|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 18 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Nov 30 08:06:01 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3572.D
 Acq On : 29 Nov 2020 5:10 pm
 Operator : F.NAEGLER
 Sample : R2011094-002|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:35:33 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

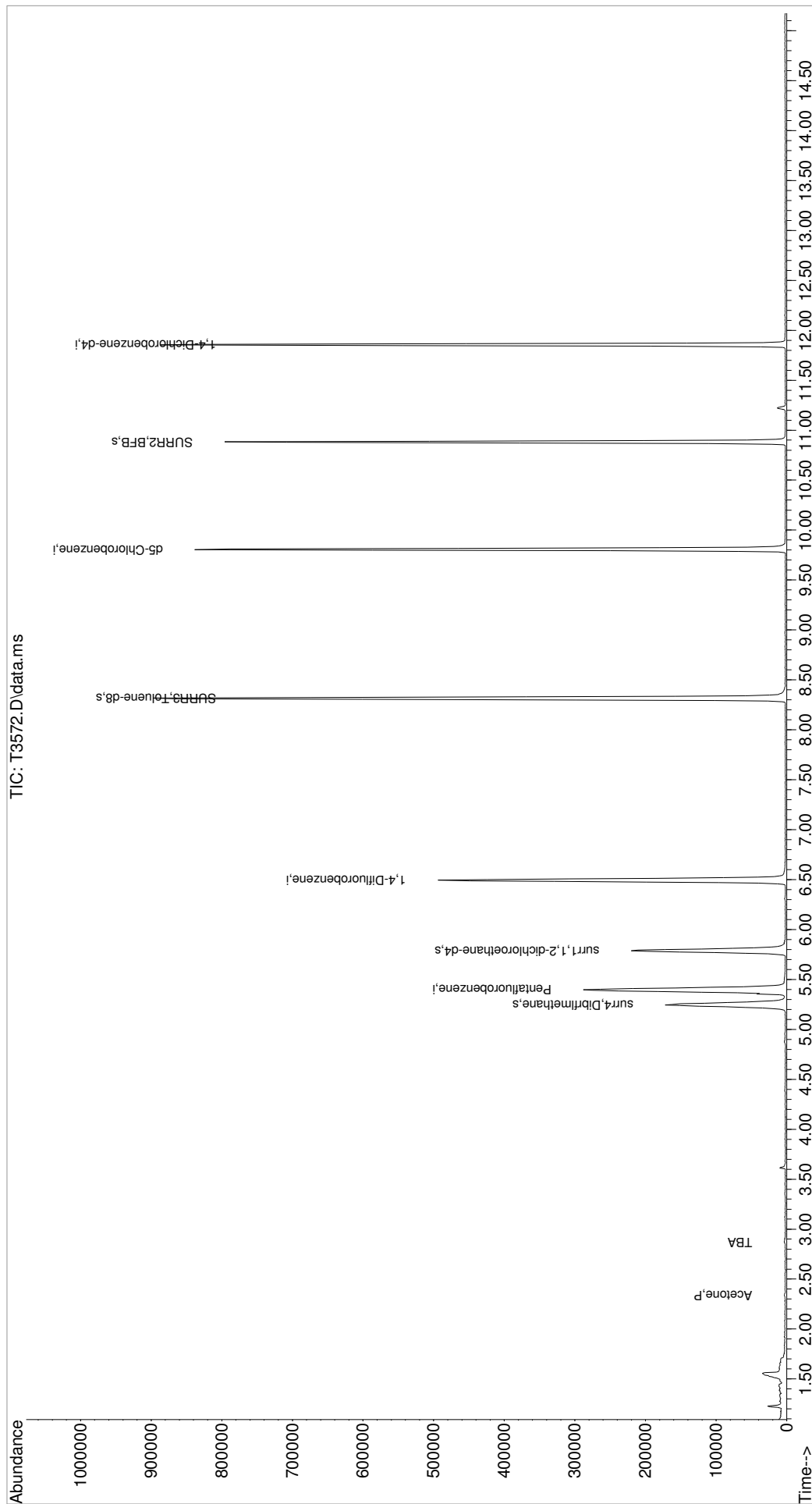
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	261192	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	410727	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	369399	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	174414	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	138405	53.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 107.90%			
46) surr1,1,2-dichloroetha...	5.787	65	189887	57.34	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 114.68%			
64) SURR3,Toluene-d8	8.317	98	551401	55.20	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 110.40%			
69) SURR2,BFB	10.884	95	193996	50.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.02%			
Target Compounds						
15) Acetone	2.337	43	1405	0.88	ug/L	Qvalue 83
23) TBA	2.873	59	1280	2.39	ug/L	85
38) Tetrahydrofuran	4.885	42	1529m	Below Cal		

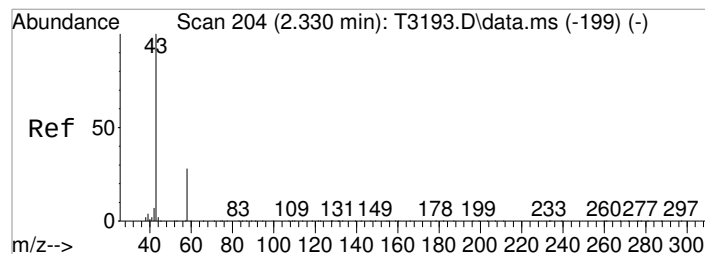
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\112920\
 Data File : T3572.D
 Acq On : 29 Nov 2020 5:10 pm
 Operator : F.NAEGLER
 Sample : R2011094-002|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 18 Sample Multiplier: 1

Inst : MSV0A10

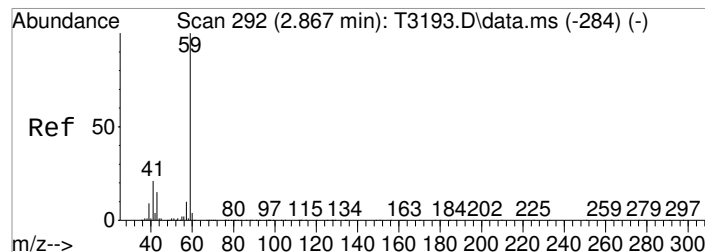
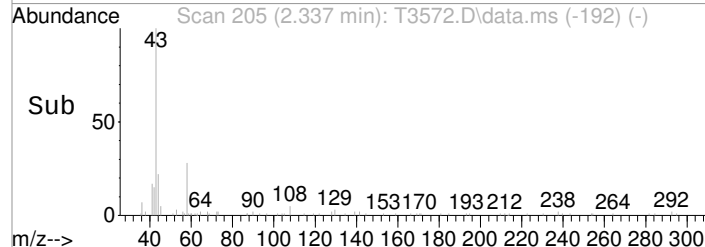
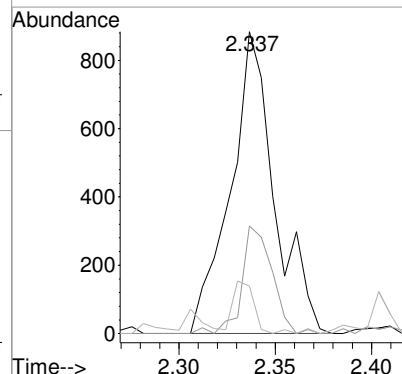
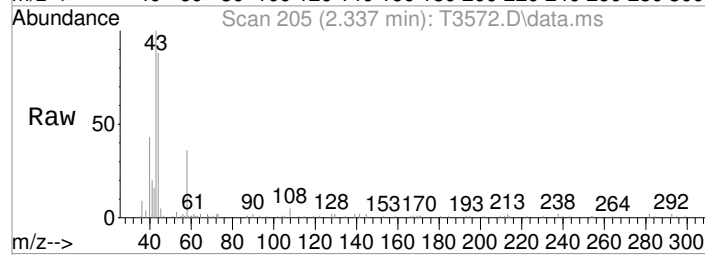
Quant Time: Dec 03 13:35:33 2020
 Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





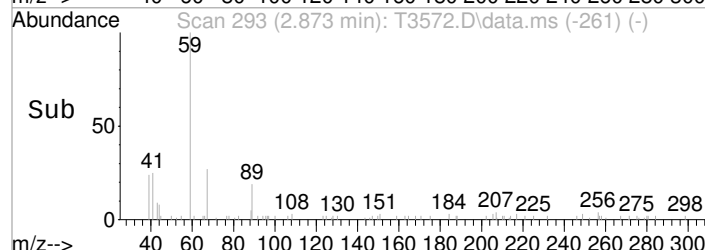
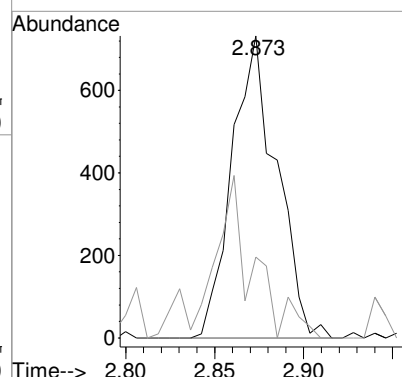
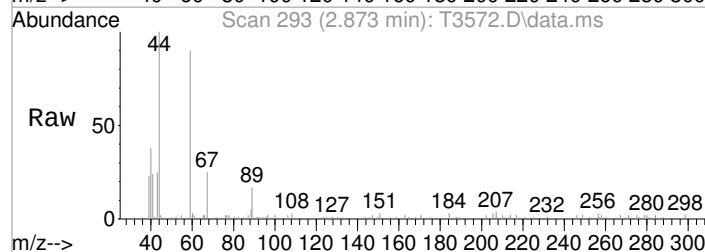
#15
 Acetone
 Concen: 0.88 ug/L
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3572.D
 Acq: 29 Nov 2020 5:10 pm

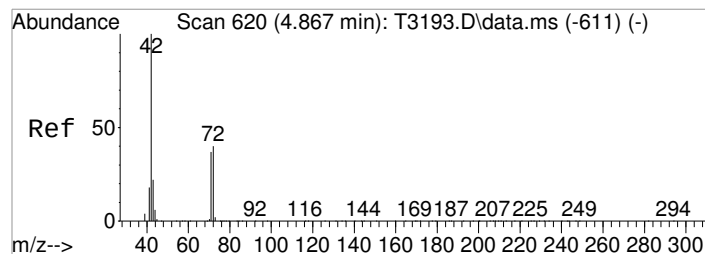
Tgt Ion: 43 Resp: 1405
 Ion Ratio Lower Upper
 43 100
 58 35.6 7.8 47.8
 42 15.7 0.0 27.2



#23
 TBA
 Concen: 2.39 ug/L
 RT: 2.873 min Scan# 293
 Delta R.T. 0.006 min
 Lab File: T3572.D
 Acq: 29 Nov 2020 5:10 pm

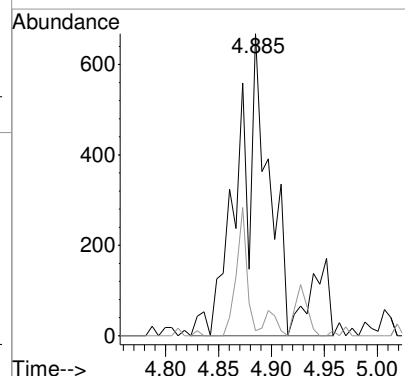
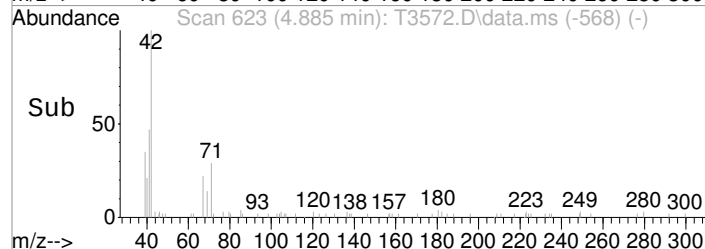
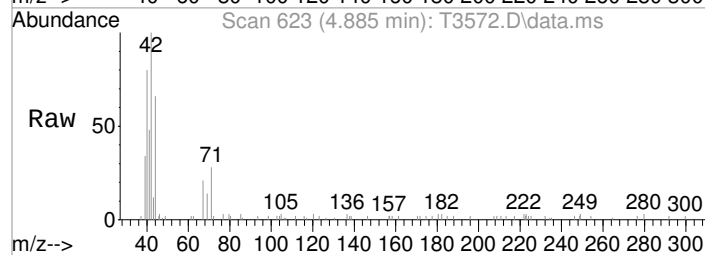
Tgt Ion: 59 Resp: 1280
 Ion Ratio Lower Upper
 59 100
 41 28.3 1.4 41.4





#38
 Tetrahydrofuran
 Concen: Below Cal m
 RT: 4.885 min Scan# 623
 Delta R.T. 0.019 min
 Lab File: T3572.D
 Acq: 29 Nov 2020 5:10 pm

Tgt Ion: 42 Resp: 1529
 Ion Ratio Lower Upper
 42 100
 72 1.6 19.8 59.8#



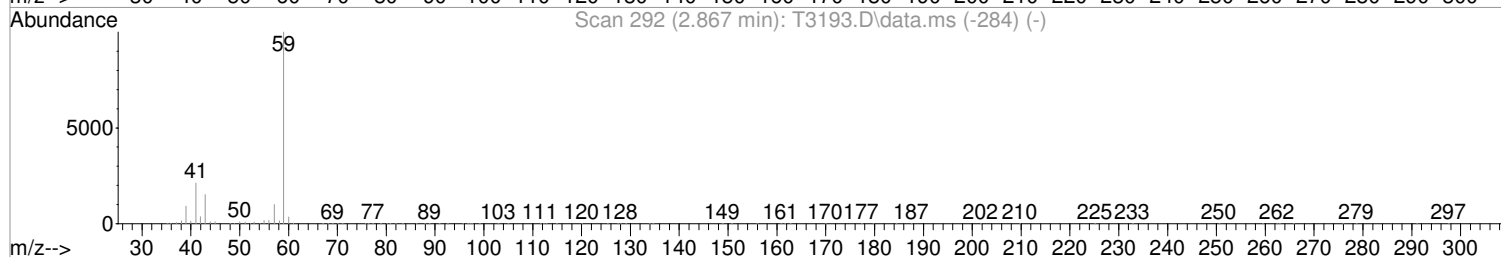
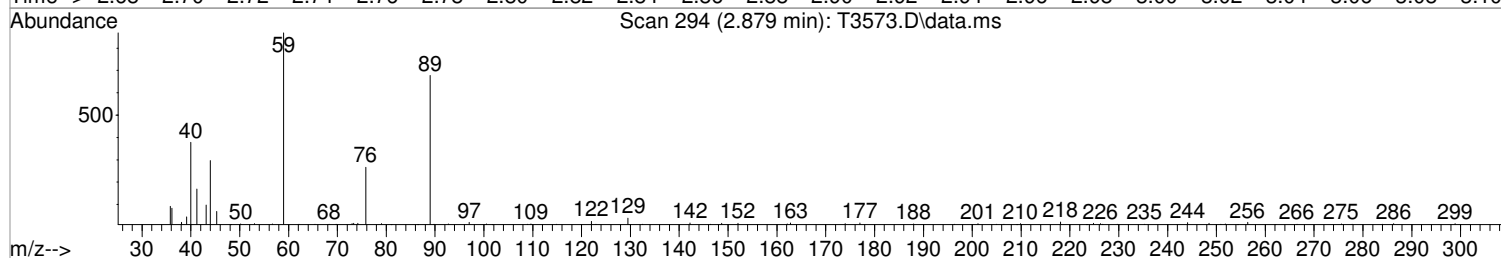
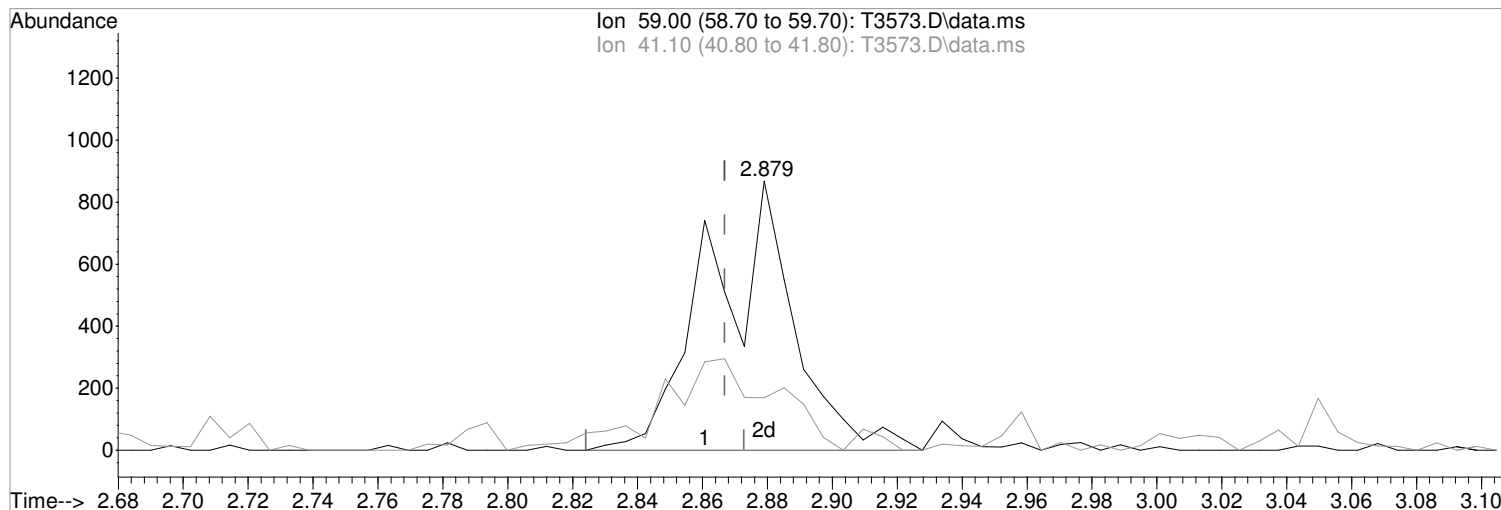
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3573.D
Acq On : 29 Nov 2020 5:31 pm
Operator : F.NAEGLER
Sample : R2011094-003|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:03:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



TIC: T3573.D\data.ms

(23) TBA

2.879min (+0.012) 2.83 ug/L m

response 1569

Ion	Exp%	Act%
59.00	100	100
41.10	21.40	19.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

12/03/20

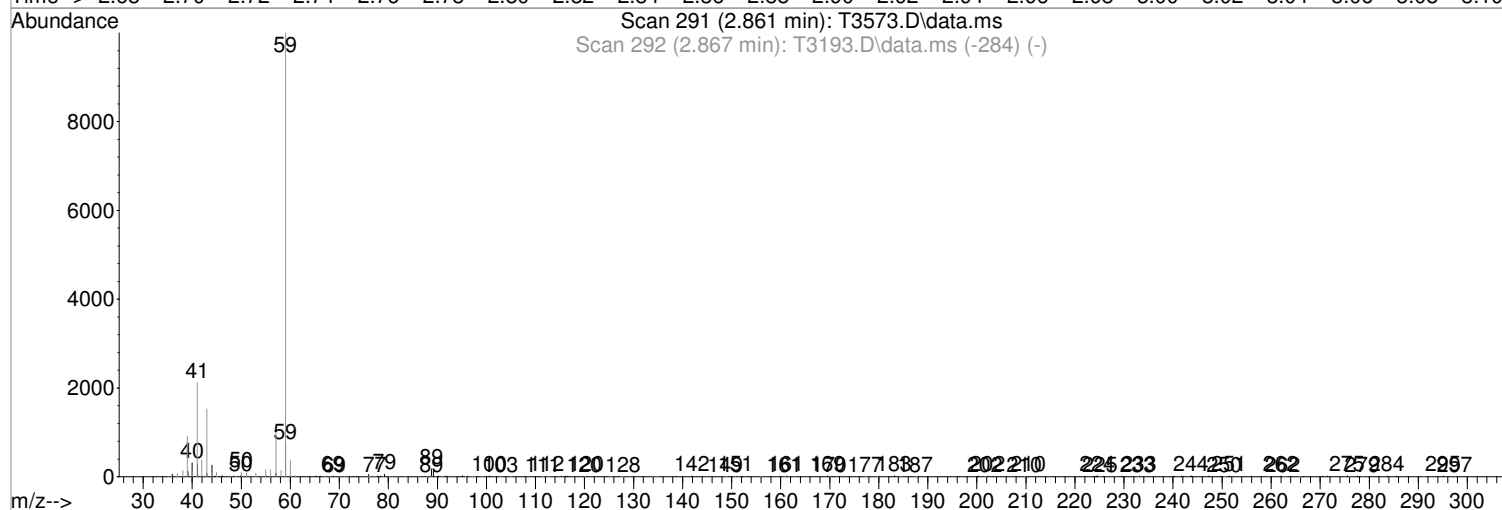
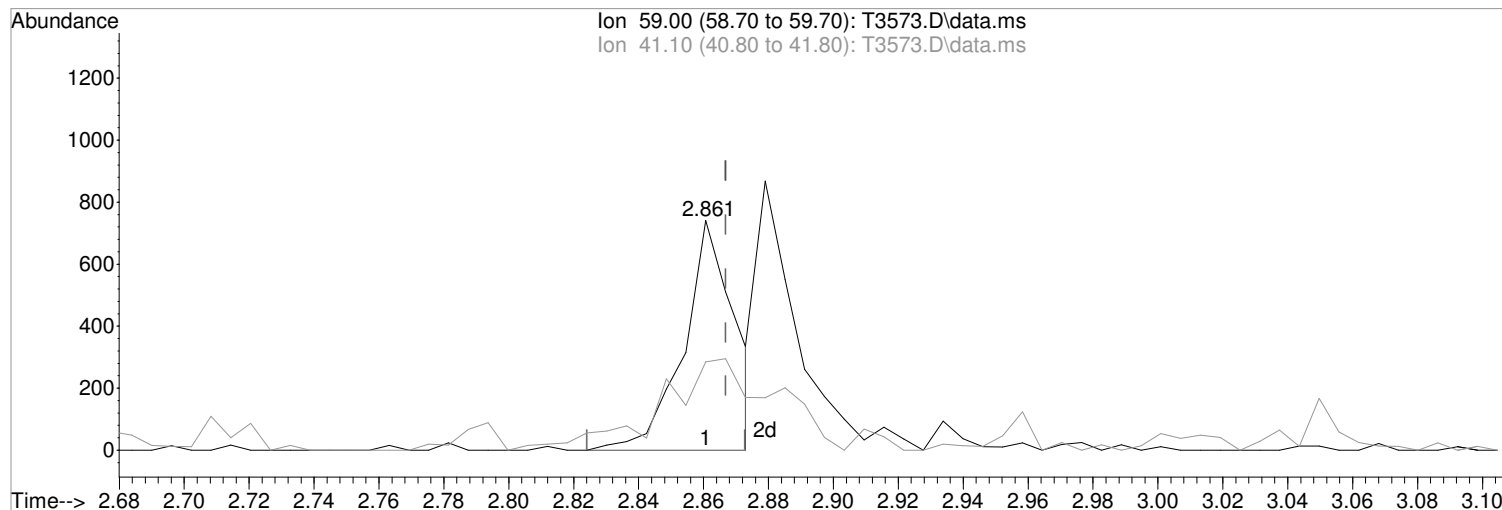
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3573.D
Acq On : 29 Nov 2020 5:31 pm
Operator : F.NAEGLER
Sample : R2011094-003|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:03:39 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



TIC: T3573.D\data.ms

(23) TBA

Manual Integration:

2.861min (-0.006) 1.45 ug/L

Before

response 803

Ion	Exp%	Act%
59.00	100	100
41.10	21.40	38.46
0.00	0.00	0.00
0.00	0.00	0.00

12/03/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3573.D
Acq On : 29 Nov 2020 5:31 pm
Operator : F.NAEGLER
Sample : R2011094-003|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:06:09 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	270527	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	417878	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.804	117	372233	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	187771	50.00	ug/L	0.00

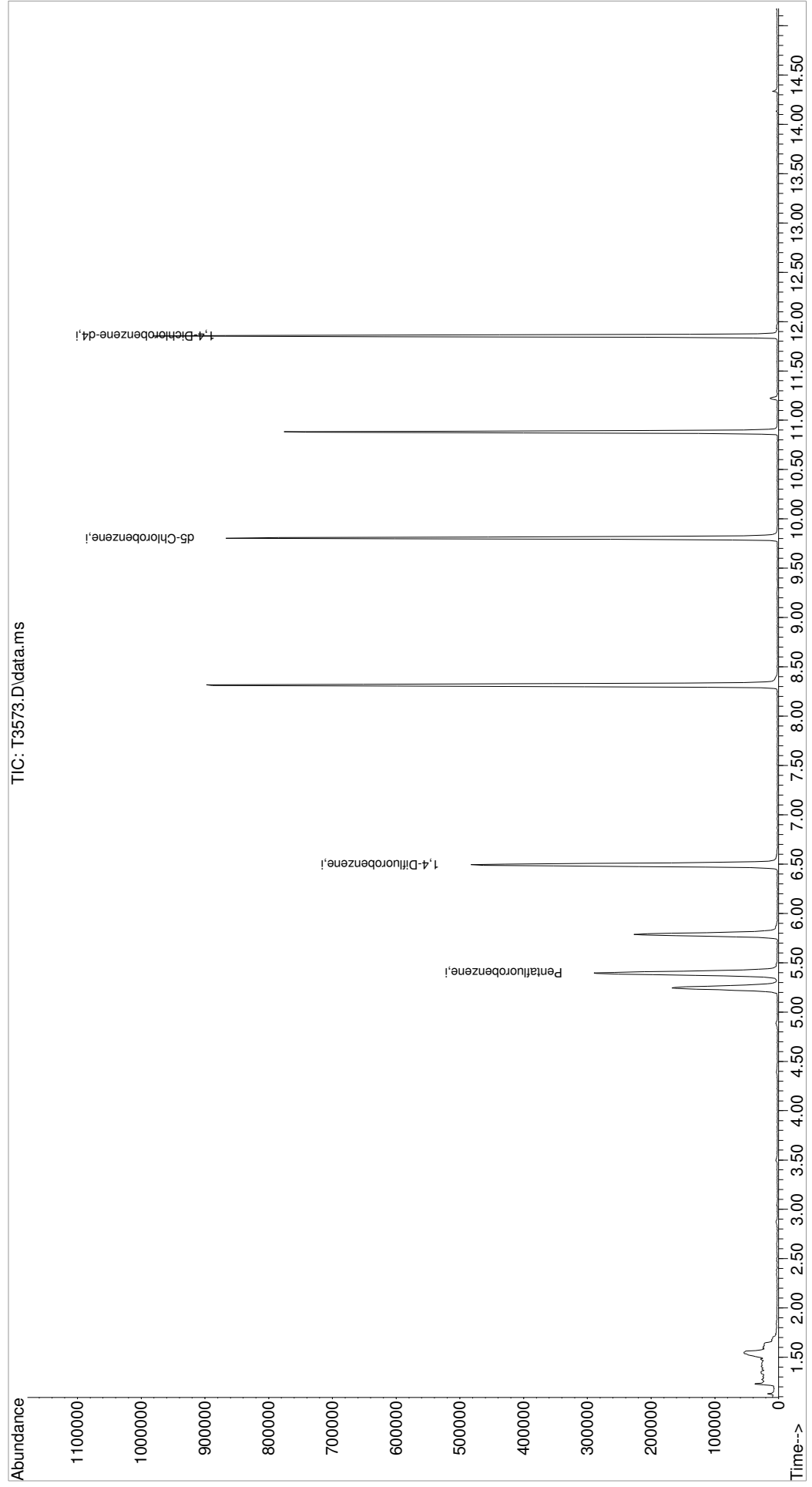
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3573.D
 Acq On : 29 Nov 2020 5:31 pm
 Operator : F.NAEGLER
 Sample : R2011094-003|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 19 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Nov 30 08:06:09 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3573.D
 Acq On : 29 Nov 2020 5:31 pm
 Operator : F.NAEGLER
 Sample : R2011094-003|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:37:22 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

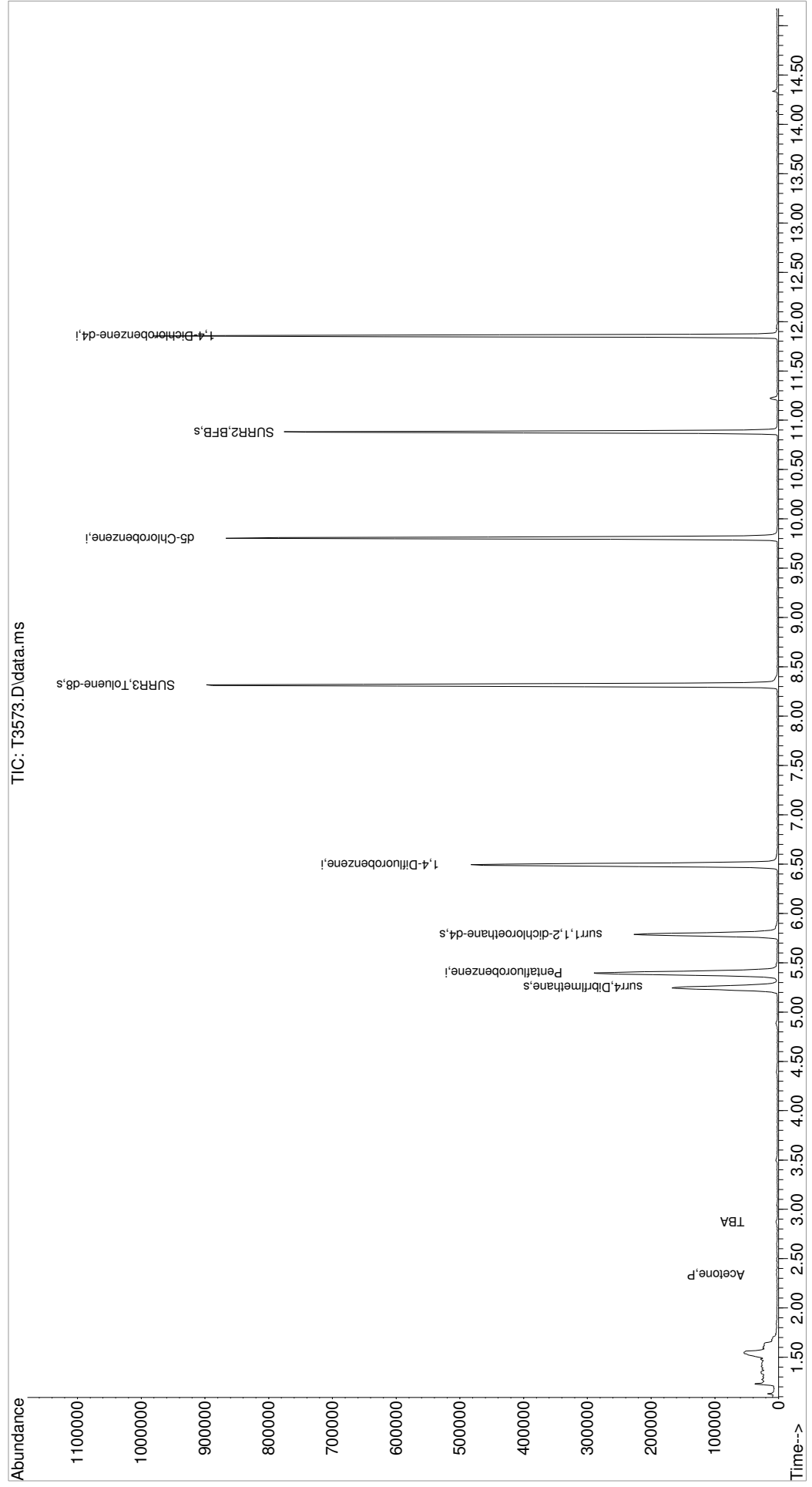
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

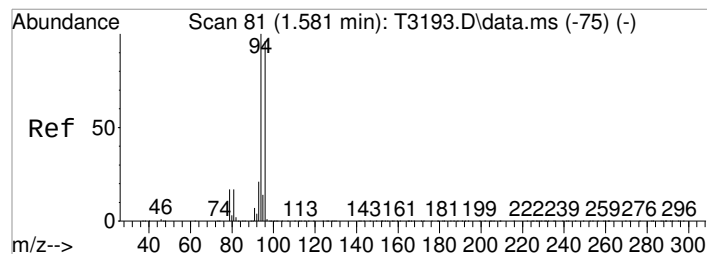
Internal Standards						
1) Pentafluorobenzene	5.397	168	270527	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	417878	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.804	117	372233	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	187771	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.250	113	136719	52.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.76%			
46) surr1,1,2-dichloroetha...	5.787	65	190897	56.66	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 113.32%			
64) SURR3,Toluene-d8	8.317	98	552321	54.35	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 108.70%			
69) SURR2,BFB	10.877	95	201394	51.54	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 103.08%			
Target Compounds						
5) Bromomethane	1.507	94	289	Below Cal	Qvalue # 14	
15) Acetone	2.336	43	1415	0.86 ug/L		88
18) Carbon Disulfide	2.477	76	872	Below Cal		96
23) TBA	2.879	59	1569m	2.83 ug/L		
38) Tetrahydrofuran	4.866	42	2496m	Below Cal		

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

Data Path : I:\ACQDATA\msvoa10\data\112920\
 Data File : T3573.D
 Acq On : 29 Nov 2020 5:31 pm
 Operator : F.NAEGLER
 Sample : R2011094-003|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 19 Sample Multiplier: 1
 Inst : MSVOA10

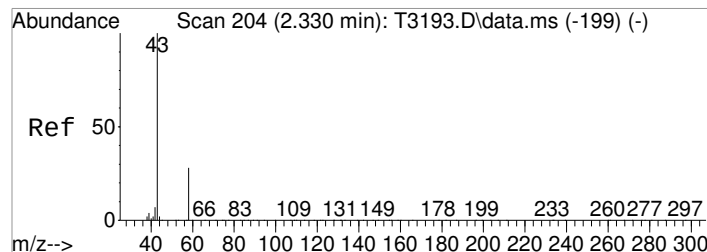
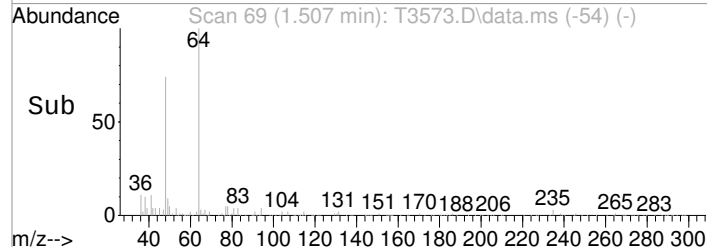
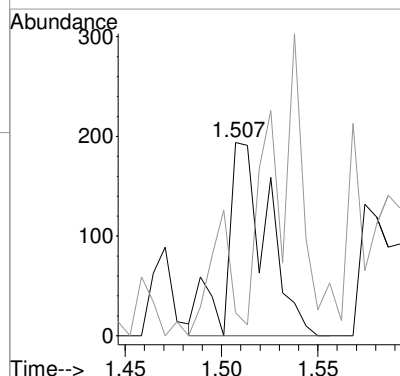
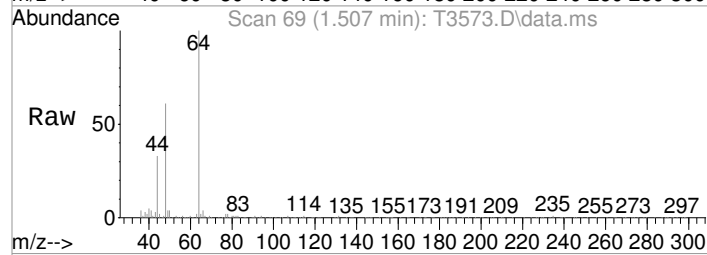
Quant Time: Dec 03 13:37:22 2020
 Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





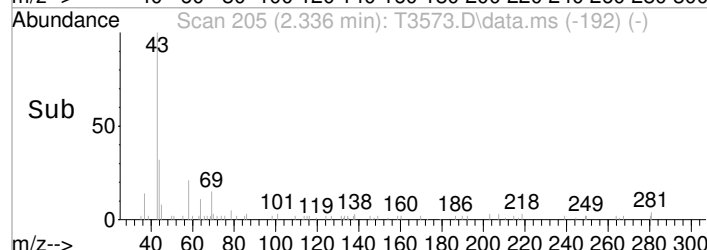
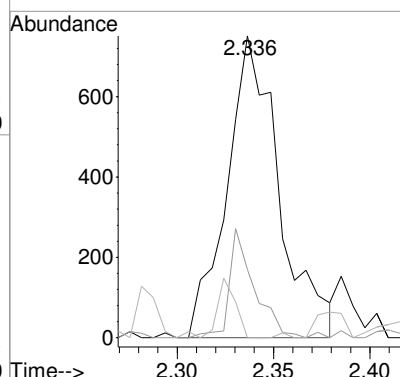
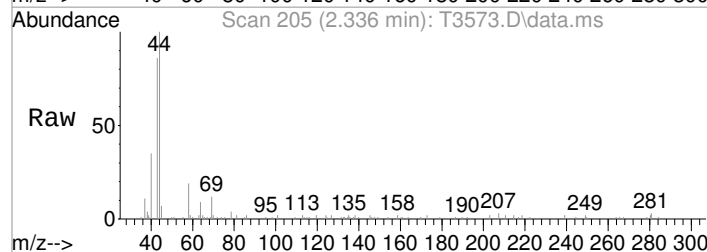
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.507 min Scan# 69
 Delta R.T. -0.073 min
 Lab File: T3573.D
 Acq: 29 Nov 2020 5:31 pm

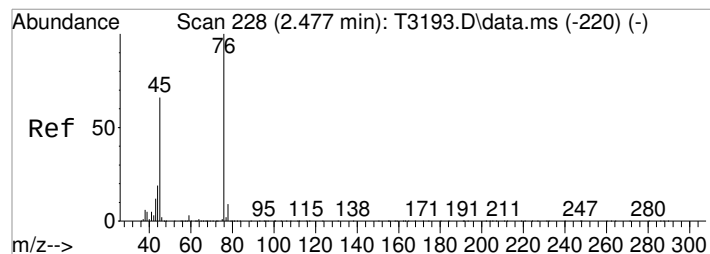
Tgt Ion: 94 Resp: 289
 Ion Ratio Lower Upper
 94 100
 96 11.9 76.3 116.3#



#15
 Acetone
 Concen: 0.86 ug/L
 RT: 2.336 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3573.D
 Acq: 29 Nov 2020 5:31 pm

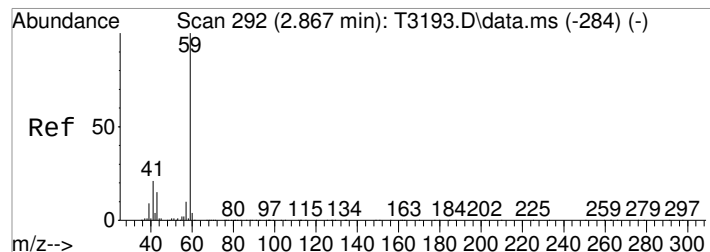
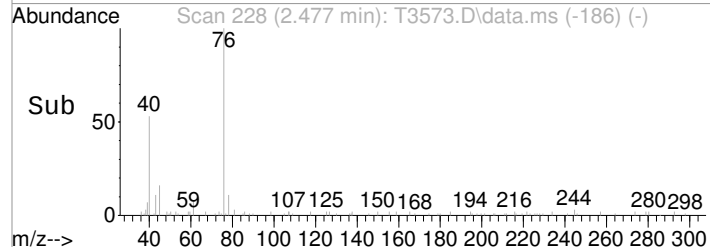
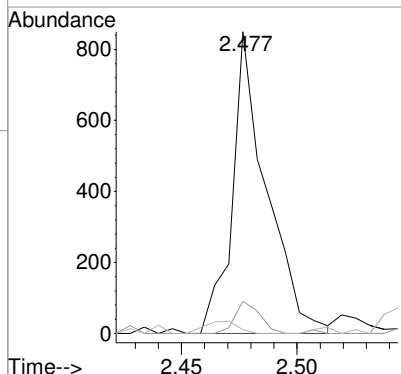
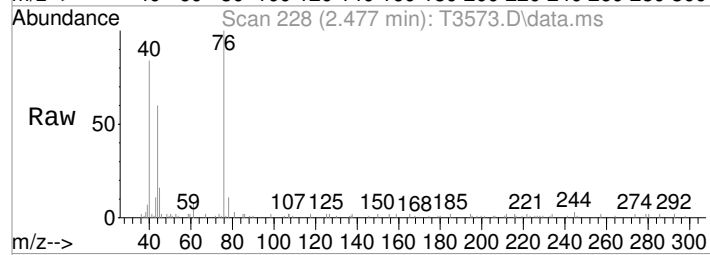
Tgt Ion: 43 Resp: 1415
 Ion Ratio Lower Upper
 43 100
 58 22.6 7.8 47.8
 42 0.0 0.0 27.2





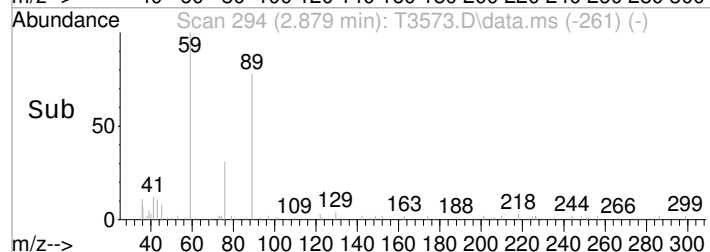
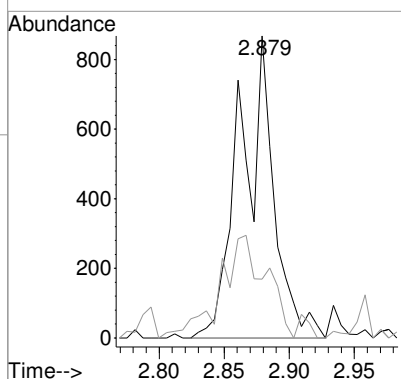
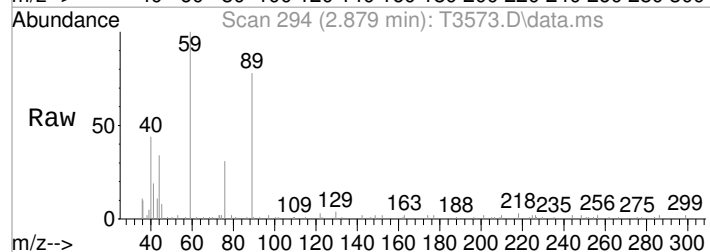
#18
 Carbon Disulfide
 Concen: Below Cal
 RT: 2.477 min Scan# 228
 Delta R.T. 0.001 min
 Lab File: T3573.D
 Acq: 29 Nov 2020 5:31 pm

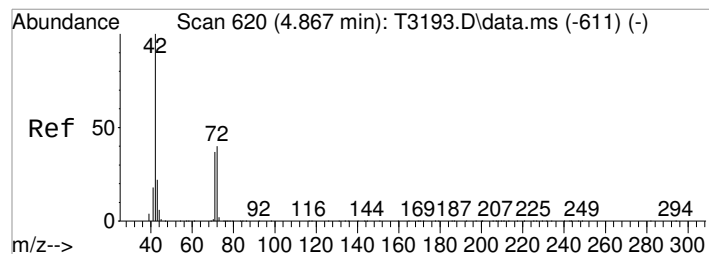
Tgt Ion: 76 Resp: 872
 Ion Ratio Lower Upper
 76 100
 78 10.7 0.0 29.3
 77 1.3 0.0 22.2



#23
 TBA
 Concen: 2.83 ug/L m
 RT: 2.879 min Scan# 294
 Delta R.T. 0.012 min
 Lab File: T3573.D
 Acq: 29 Nov 2020 5:31 pm

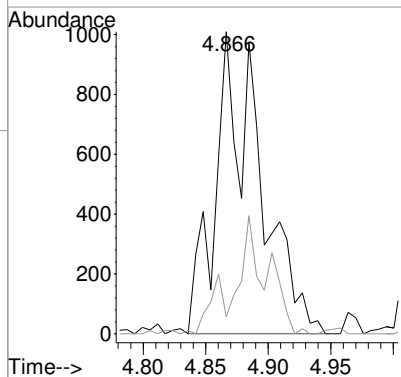
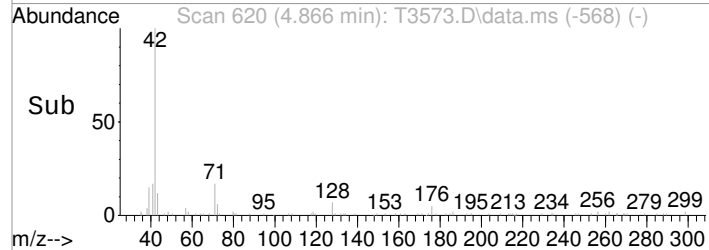
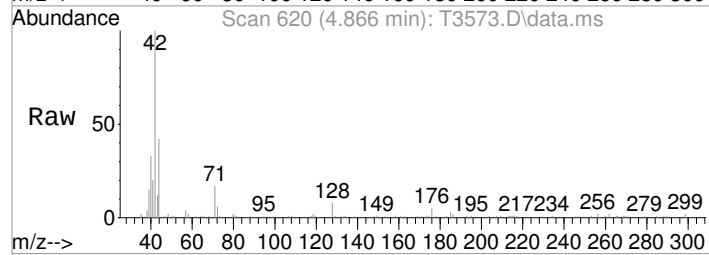
Tgt Ion: 59 Resp: 1569
 Ion Ratio Lower Upper
 59 100
 41 19.5 1.4 41.4





#38
 Tetrahydrofuran
 Concen: Below Cal m
 RT: 4.866 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: T3573.D
 Acq: 29 Nov 2020 5:31 pm

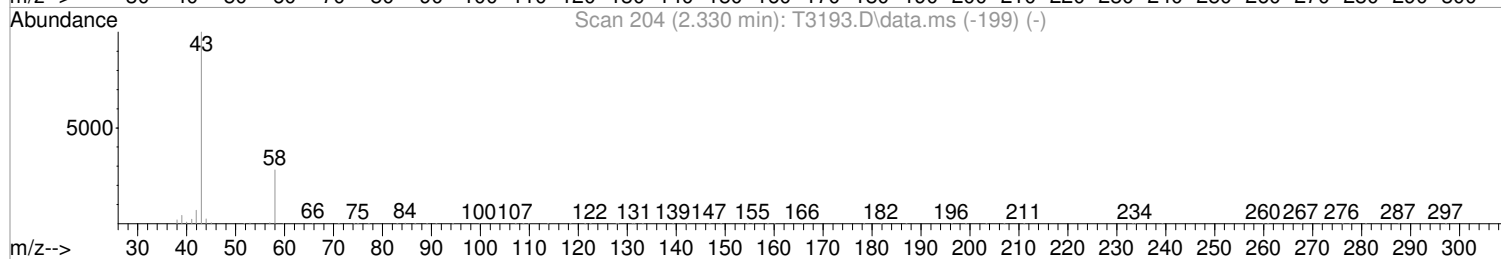
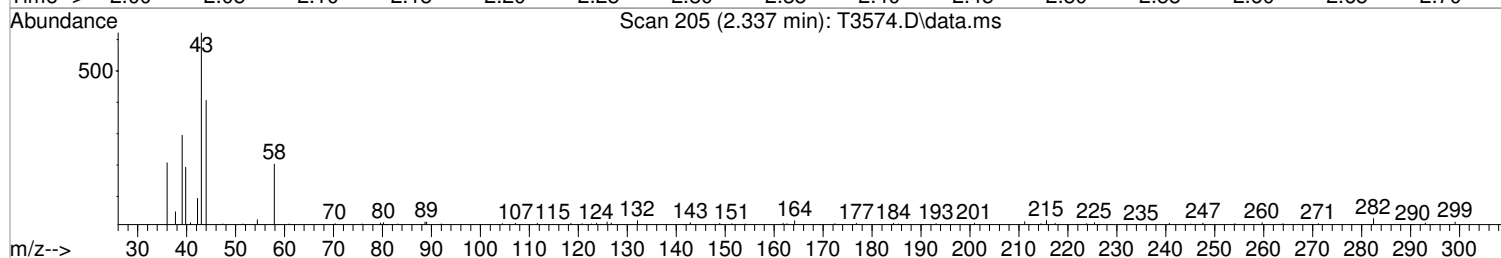
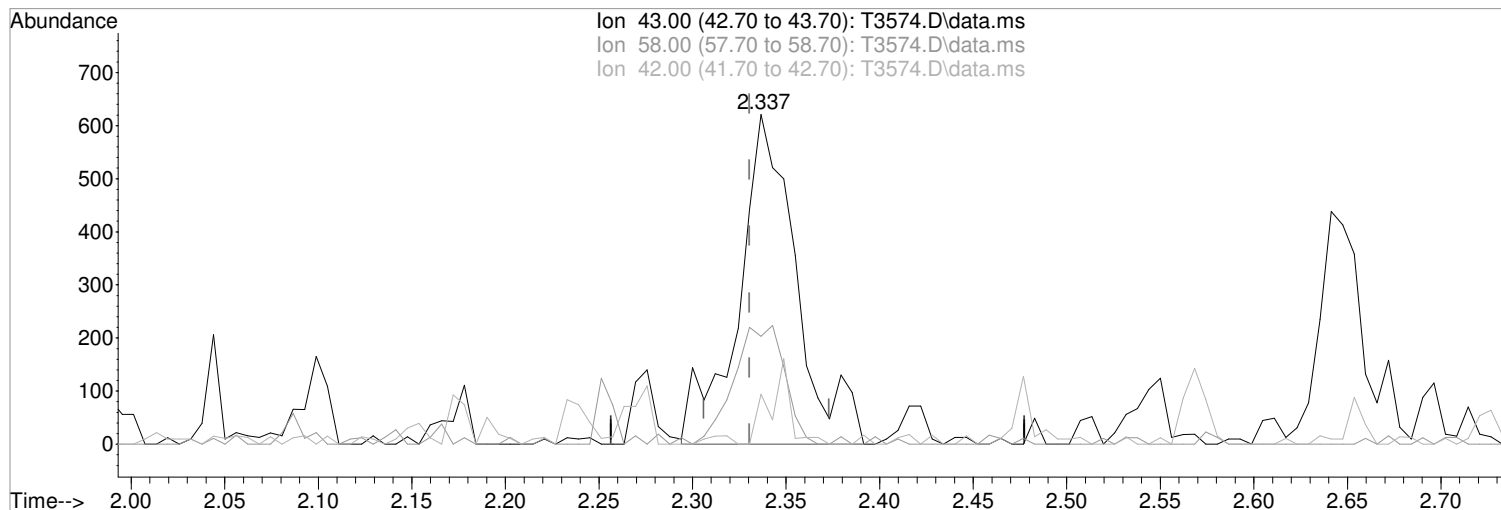
Tgt Ion: 42 Resp: 2496
 Ion Ratio Lower Upper
 42 100
 72 5.6 19.8 59.8#



Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3574.D
Acq On : 29 Nov 2020 5:53 pm
Operator : F.NAEGLER
Sample : R2011094-004|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:03:50 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



TIC: T3574.D\data.ms

(15) Acetone (P)

2.337min (+0.006) 0.82 ug/L m

response 1336

Ion	Exp%	Act%
43.00	100	100
58.00	27.80	32.69
42.00	7.20	15.14
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

12/03/20

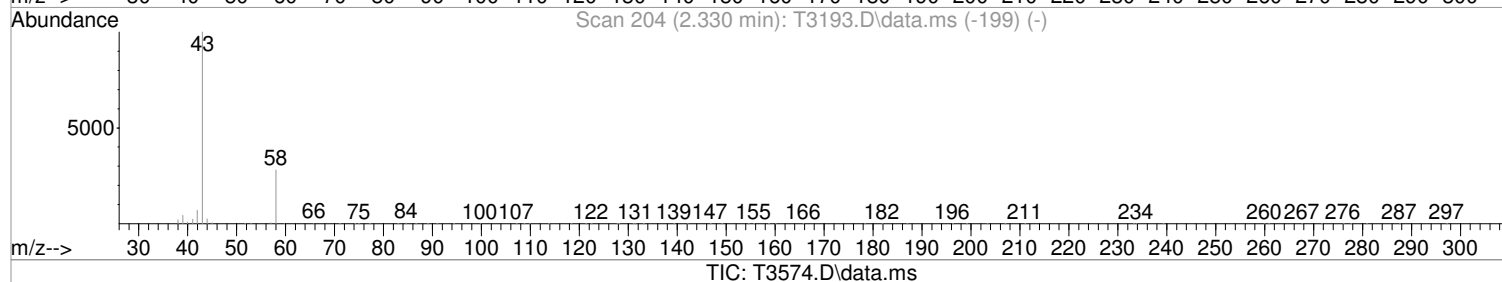
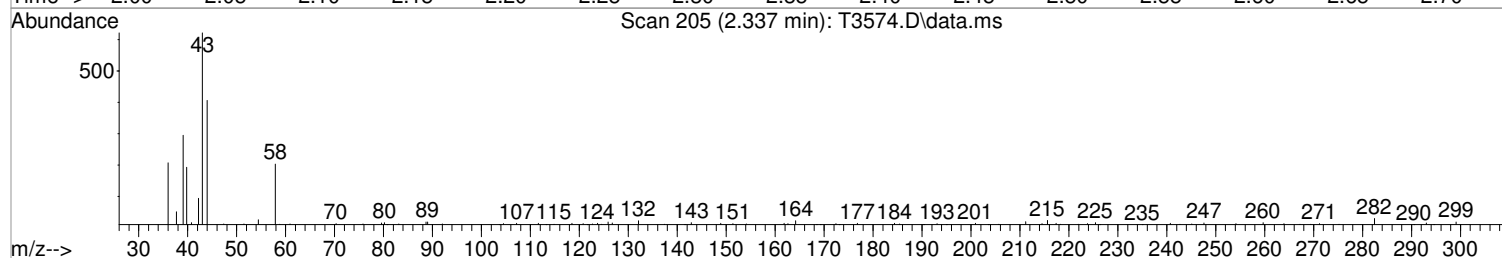
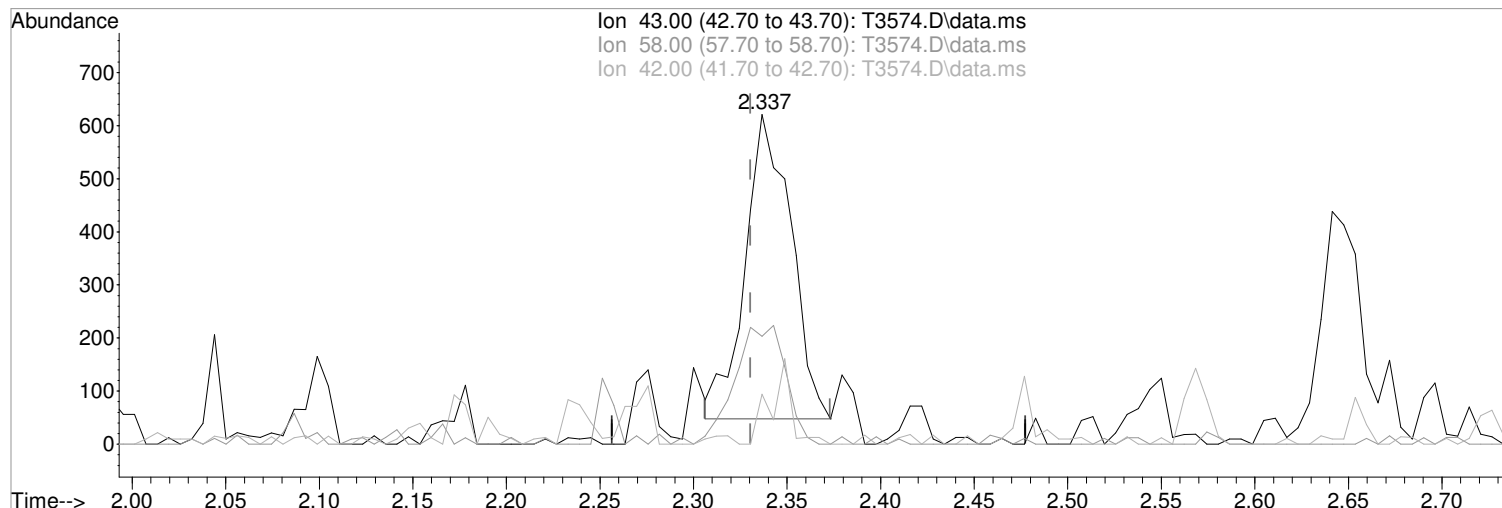
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3574.D
Acq On : 29 Nov 2020 5:53 pm
Operator : F.NAEGLER
Sample : R2011094-004|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:03:50 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



(15) Acetone (P)
2.337min (+0.006) 0.60 ug/L
response 977

Manual Integration:

Before

Ion	Exp%	Act%
43.00	100	100
58.00	27.80	32.69
42.00	7.20	15.14
0.00	0.00	0.00

12/03/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3574.D
Acq On : 29 Nov 2020 5:53 pm
Operator : F.NAEGLER
Sample : R2011094-004|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:06:17 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	267884	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	416410	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	370148	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	184243	50.00	ug/L	0.00

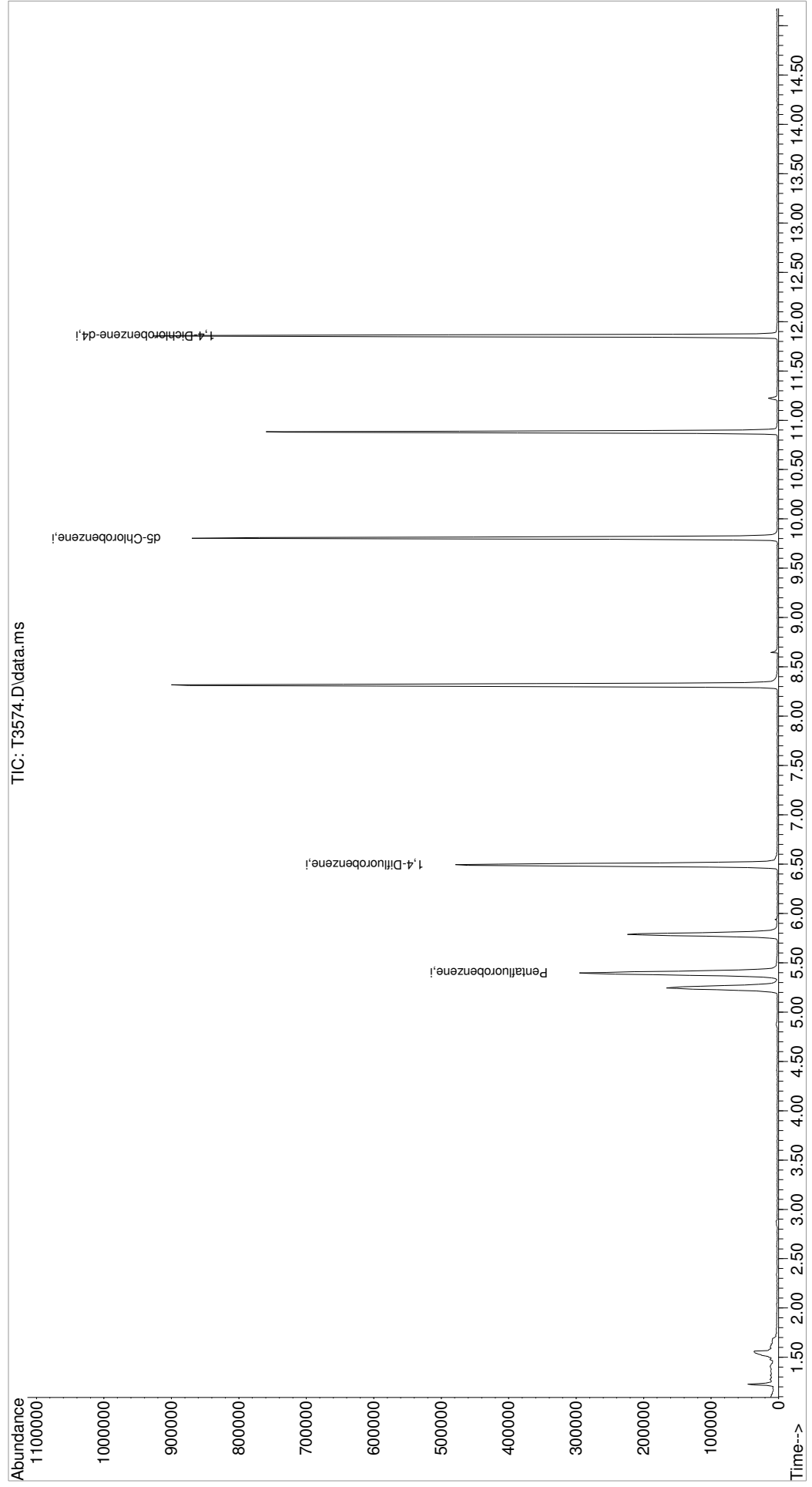
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3574.D
 Acq On : 29 Nov 2020 5:53 pm
 Operator : F.NAEGLER
 Sample : R2011094-004|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 20 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Nov 30 08:06:17 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 Qlast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3574.D
 Acq On : 29 Nov 2020 5:53 pm
 Operator : F.NAEGLER
 Sample : R2011094-004|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:38:38 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

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

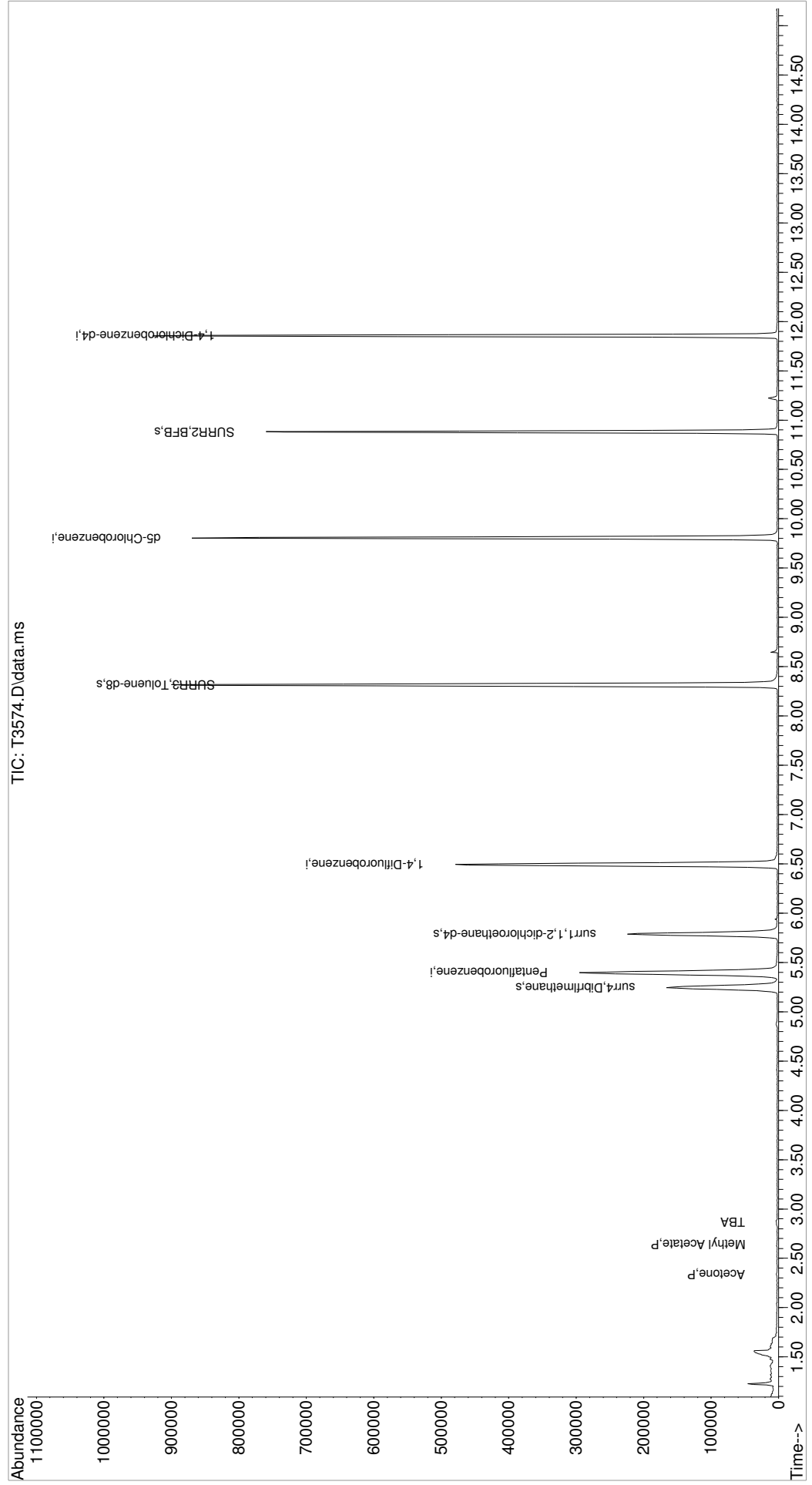
Internal Standards						
1) Pentafluorobenzene	5.397	168	267884	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	416410	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	370148	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	184243	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	136735	52.57	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	105.14%	
46) surr1,1,2-dichloroetha...	5.787	65	187230	55.76	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	111.52%	
64) SURR3,Toluene-d8	8.317	98	546678	53.98	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	107.96%	
69) SURR2,BFB	10.884	95	193474	49.69	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	99.38%	
Target Compounds						
5) Bromomethane	1.575	94	282	Below Cal	Qvalue #	36
15) Acetone	2.337	43	1336m	0.82 ug/L		
18) Carbon Disulfide	2.483	76	334	Below Cal		87
21) Methyl Acetate	2.641	43	623	0.21 ug/L		83
23) TBA	2.873	59	1413	2.57 ug/L		85
38) Tetrahydrofuran	4.885	42	1841	Below Cal	#	51

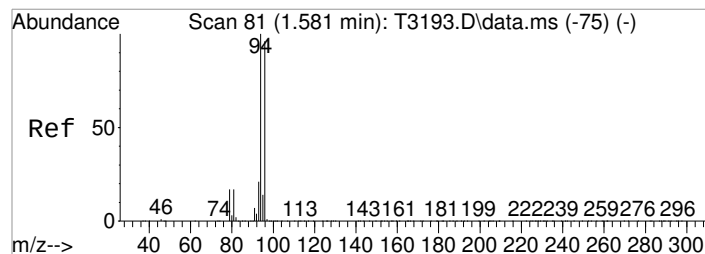
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\112920\
 Data File : T3574.D
 Acq On : 29 Nov 2020 5:53 pm
 Operator : F.NAEGLER
 Sample : R2011094-004|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 20 Sample Multiplier: 1

Inst : MSV0A10

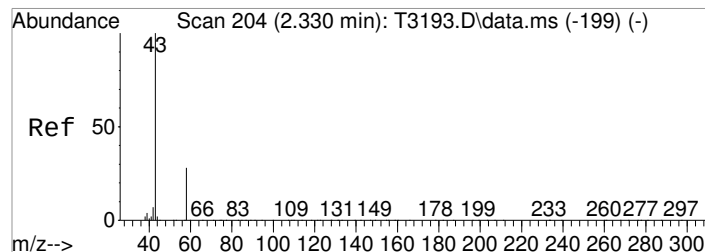
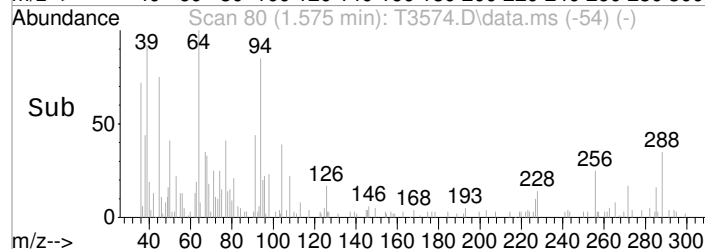
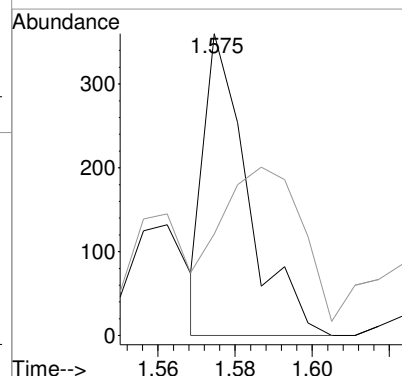
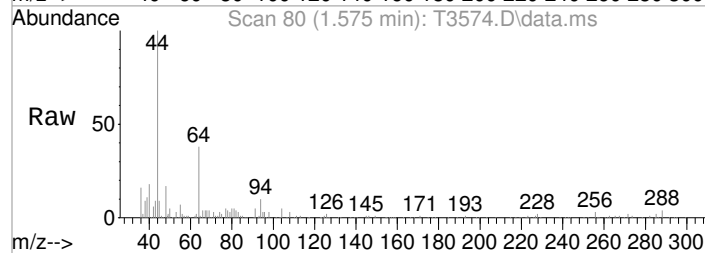
Quant Time: Dec 03 13:38:38 2020
 Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





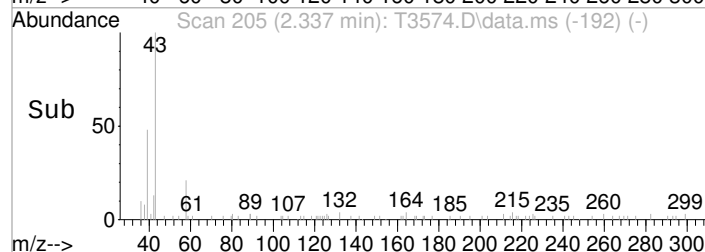
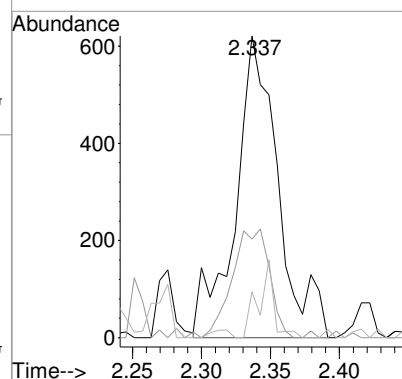
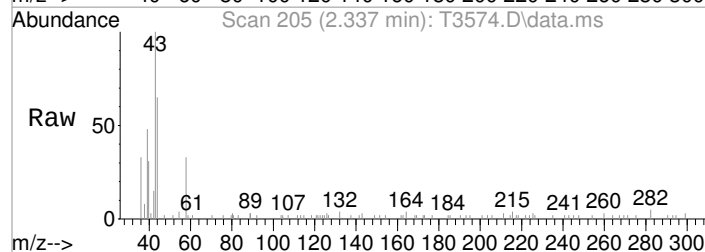
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.575 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: T3574.D
 Acq: 29 Nov 2020 5:53 pm

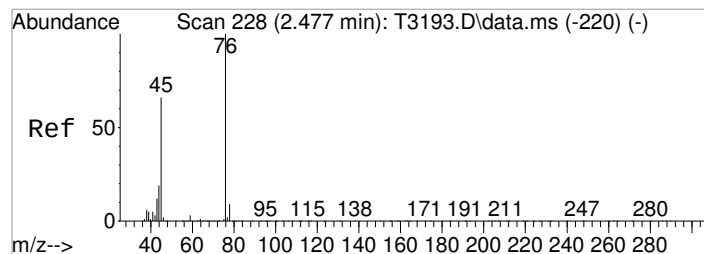
Tgt Ion: 94 Resp: 282
 Ion Ratio Lower Upper
 94 100
 96 33.6 76.3 116.3#



#15
 Acetone
 Concen: 0.82 ug/L m
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3574.D
 Acq: 29 Nov 2020 5:53 pm

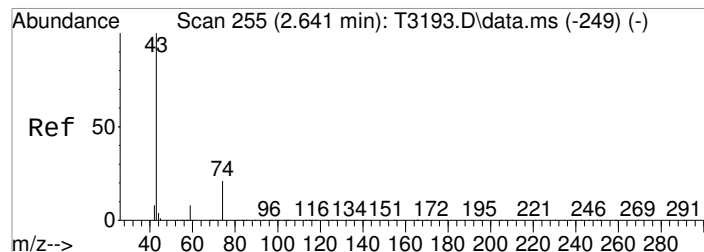
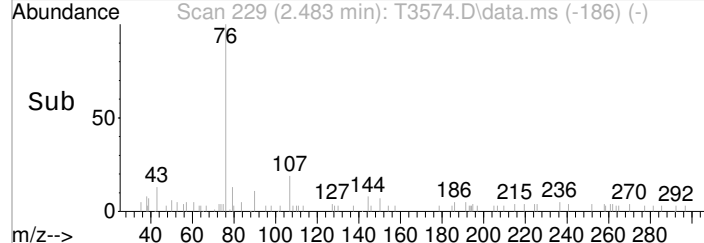
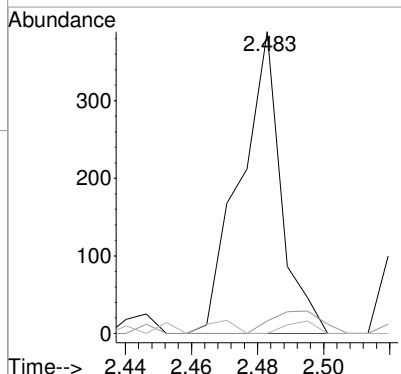
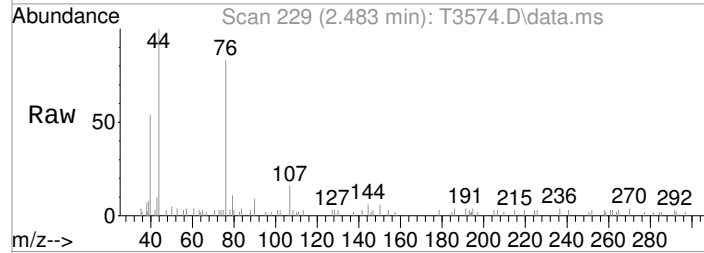
Tgt Ion: 43 Resp: 1336
 Ion Ratio Lower Upper
 43 100
 58 32.7 7.8 47.8
 42 15.1 0.0 27.2





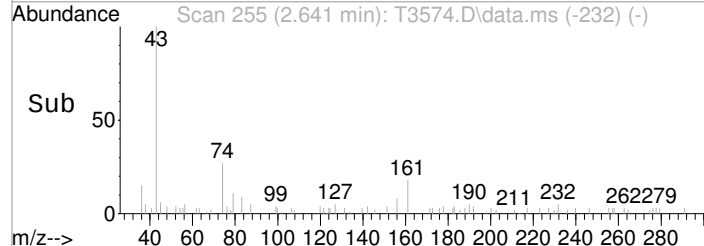
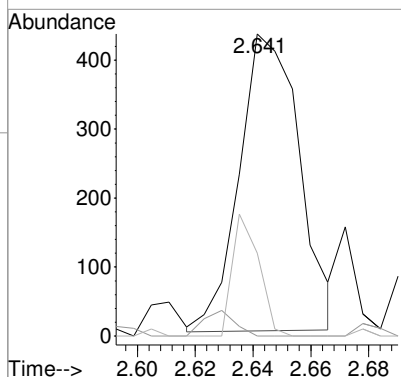
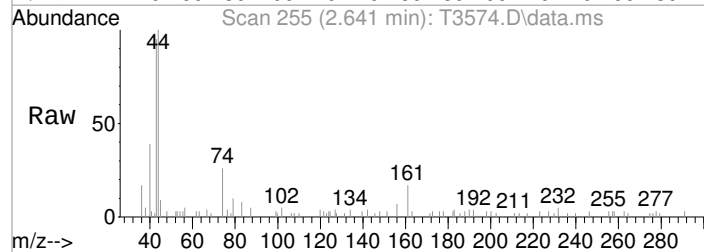
#18
 Carbon Disulfide
 Concen: Below Cal
 RT: 2.483 min Scan# 229
 Delta R.T. 0.007 min
 Lab File: T3574.D
 Acq: 29 Nov 2020 5:53 pm

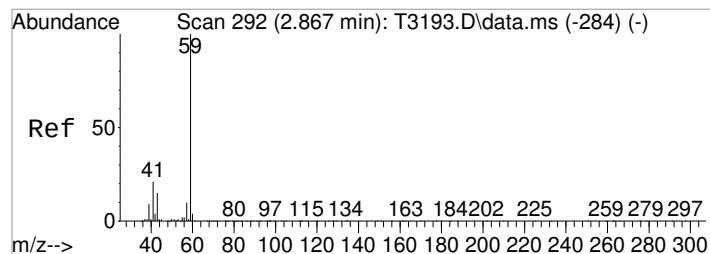
Tgt Ion:	76	Resp:	334
Ion Ratio		Lower	Upper
76	100		
78	4.1	0.0	29.3
77	0.0	0.0	22.2



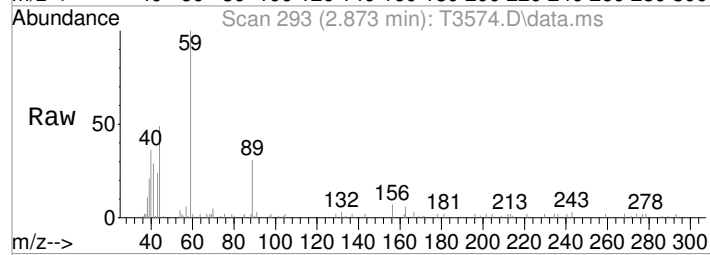
#21
 Methyl Acetate
 Concen: 0.21 ug/L
 RT: 2.641 min Scan# 255
 Delta R.T. 0.000 min
 Lab File: T3574.D
 Acq: 29 Nov 2020 5:53 pm

Tgt Ion:	43	Resp:	623
Ion Ratio		Lower	Upper
43	100		
59	0.0	0.0	27.7
74	27.4	0.6	40.6

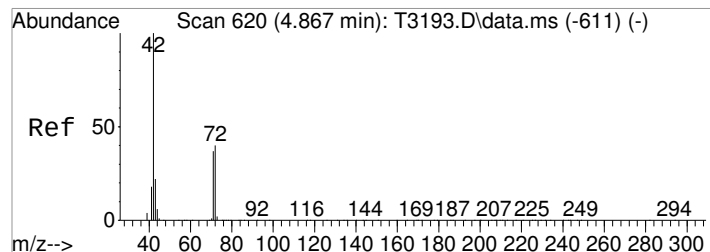
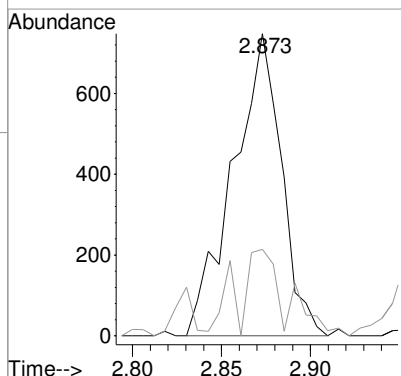
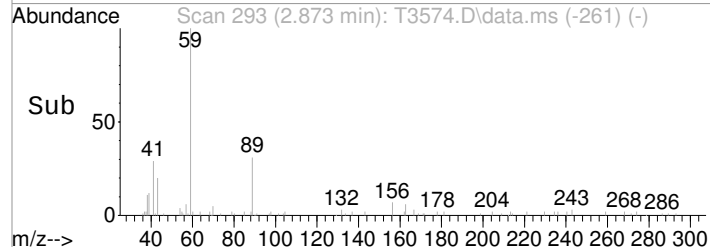




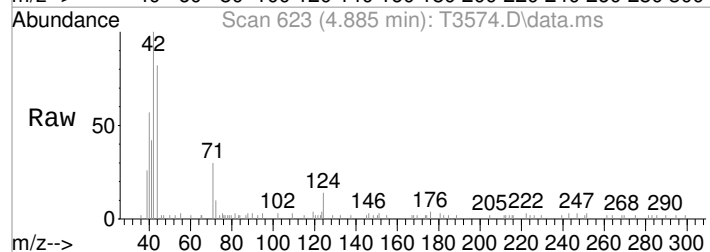
#23
 TBA
 Concen: 2.57 ug/L
 RT: 2.873 min Scan# 293
 Delta R.T. 0.006 min
 Lab File: T3574.D
 Acq: 29 Nov 2020 5:53 pm



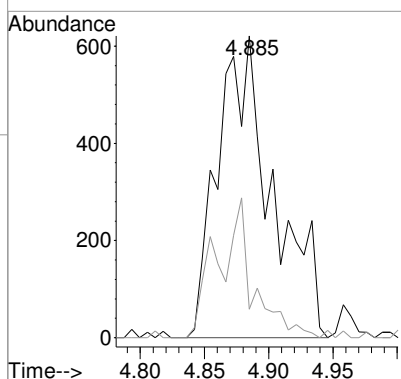
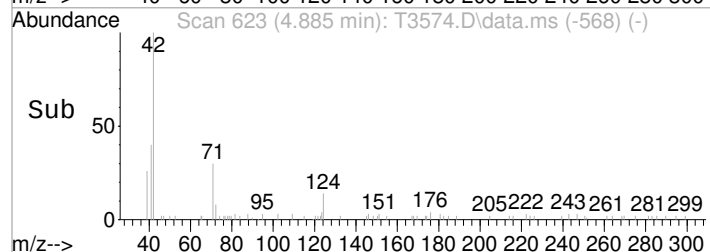
Tgt Ion: 59 Resp: 1413
 Ion Ratio Lower Upper
 59 100
 41 28.6 1.4 41.4



#38
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.885 min Scan# 623
 Delta R.T. 0.019 min
 Lab File: T3574.D
 Acq: 29 Nov 2020 5:53 pm



Tgt Ion: 42 Resp: 1841
 Ion Ratio Lower Upper
 42 100
 72 9.5 19.8 59.8#



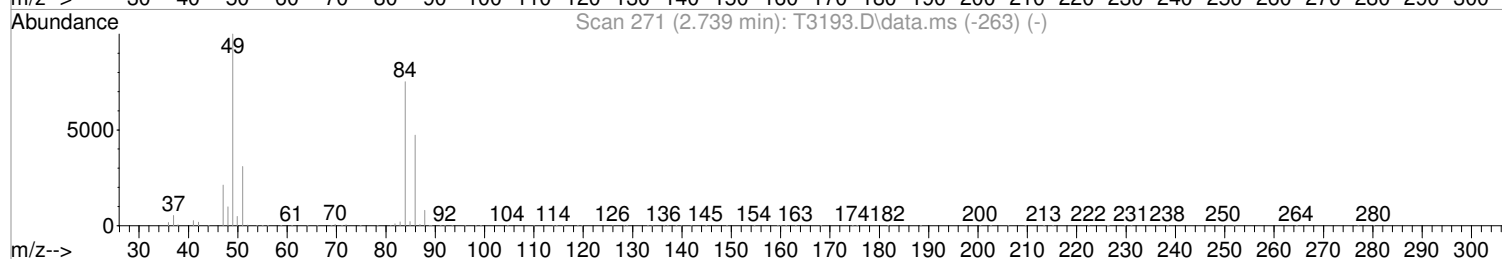
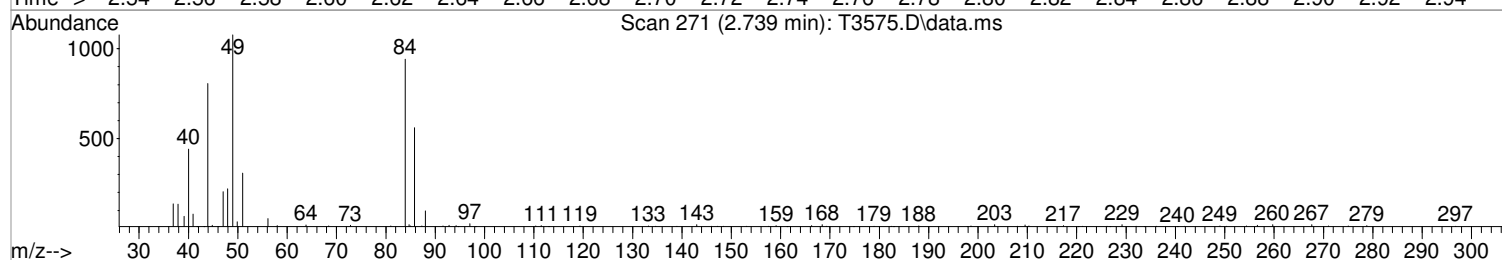
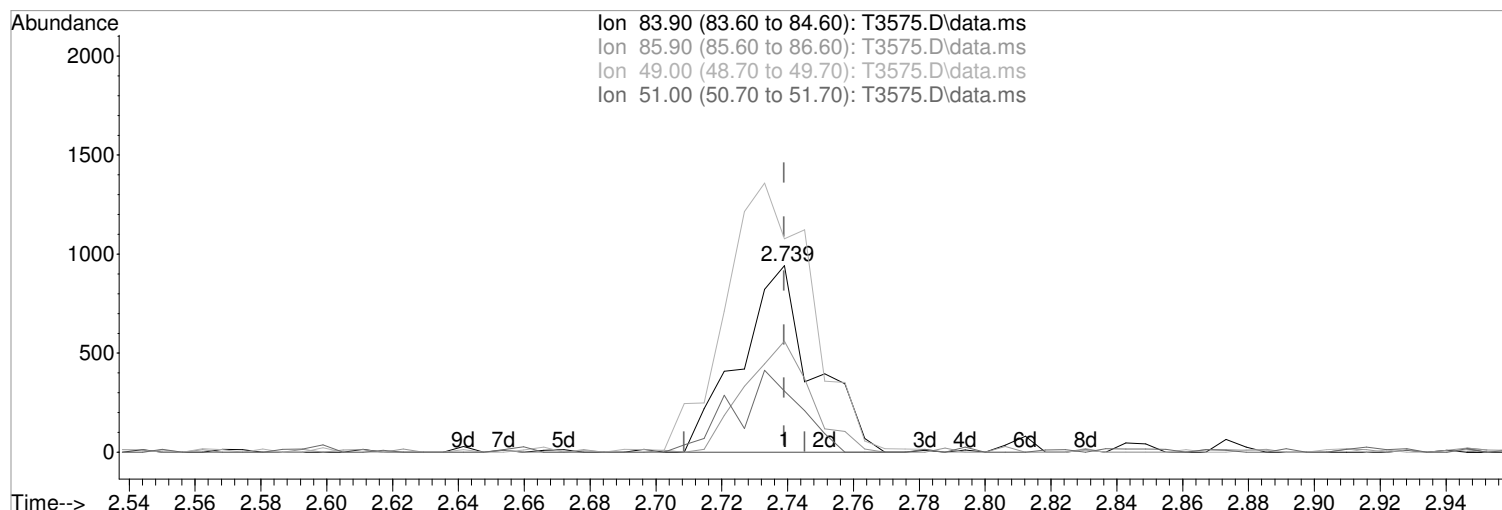
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3575.D
Acq On : 29 Nov 2020 6:15 pm
Operator : F.NAEGLER
Sample : R2011094-005|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:04:01 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



TIC: T3575.D\data.ms

(22) Methylene Chloride (P)

2.739min (+0.000) 0.53 ug/L m

response 1456

Ion	Exp%	Act%
83.90	100	100
85.90	62.90	59.55
49.00	133.20	114.33
51.00	41.20	32.70

Manual Integration:

After

Poor integration.

12/03/20

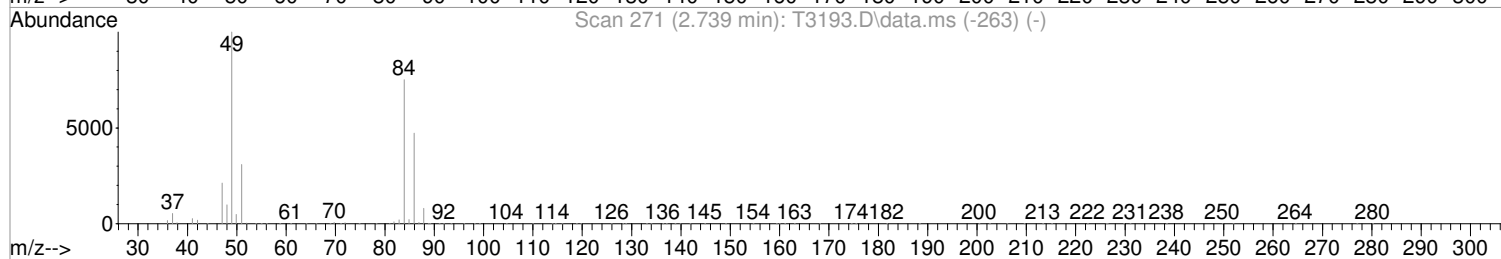
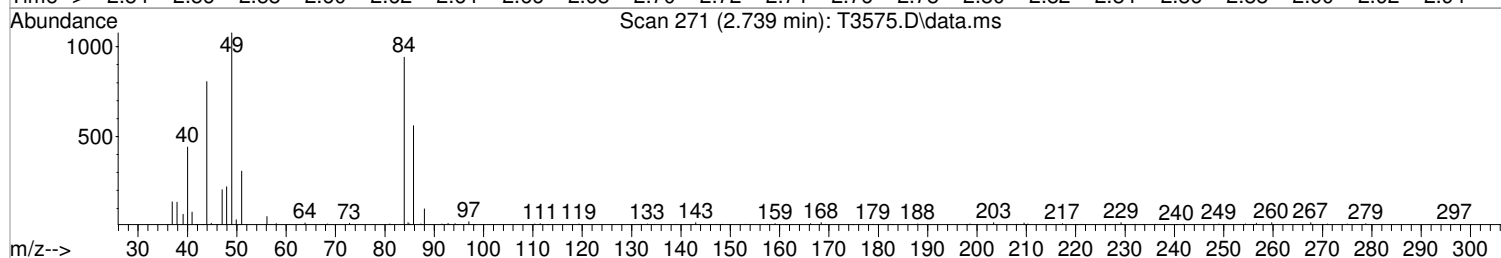
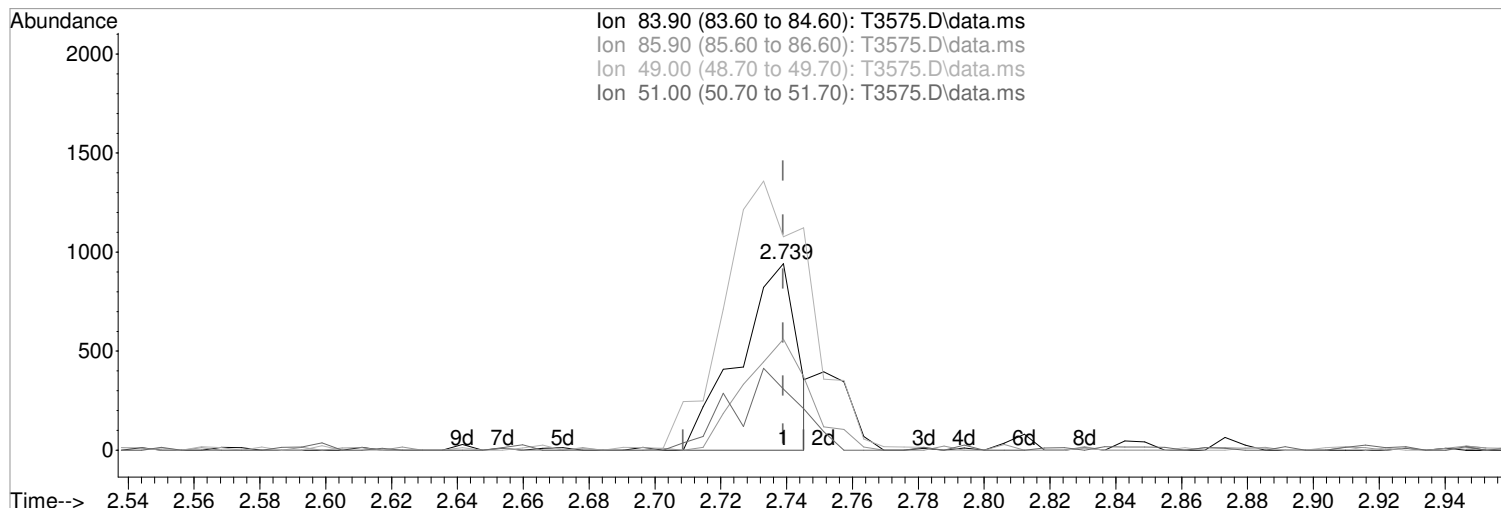
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3575.D
Acq On : 29 Nov 2020 6:15 pm
Operator : F.NAEGLER
Sample : R2011094-005|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:04:01 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



TIC: T3575.D\data.ms

(22) Methylene Chloride (P)

Manual Integration:

2.739min (+0.000) 0.42 ug/L

Before

response 1159

Ion	Exp%	Act%
83.90	100	100
85.90	62.90	59.55
49.00	133.20	114.33
51.00	41.20	32.70

12/03/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3575.D
Acq On : 29 Nov 2020 6:15 pm
Operator : F.NAEGLER
Sample : R2011094-005|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:06:25 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

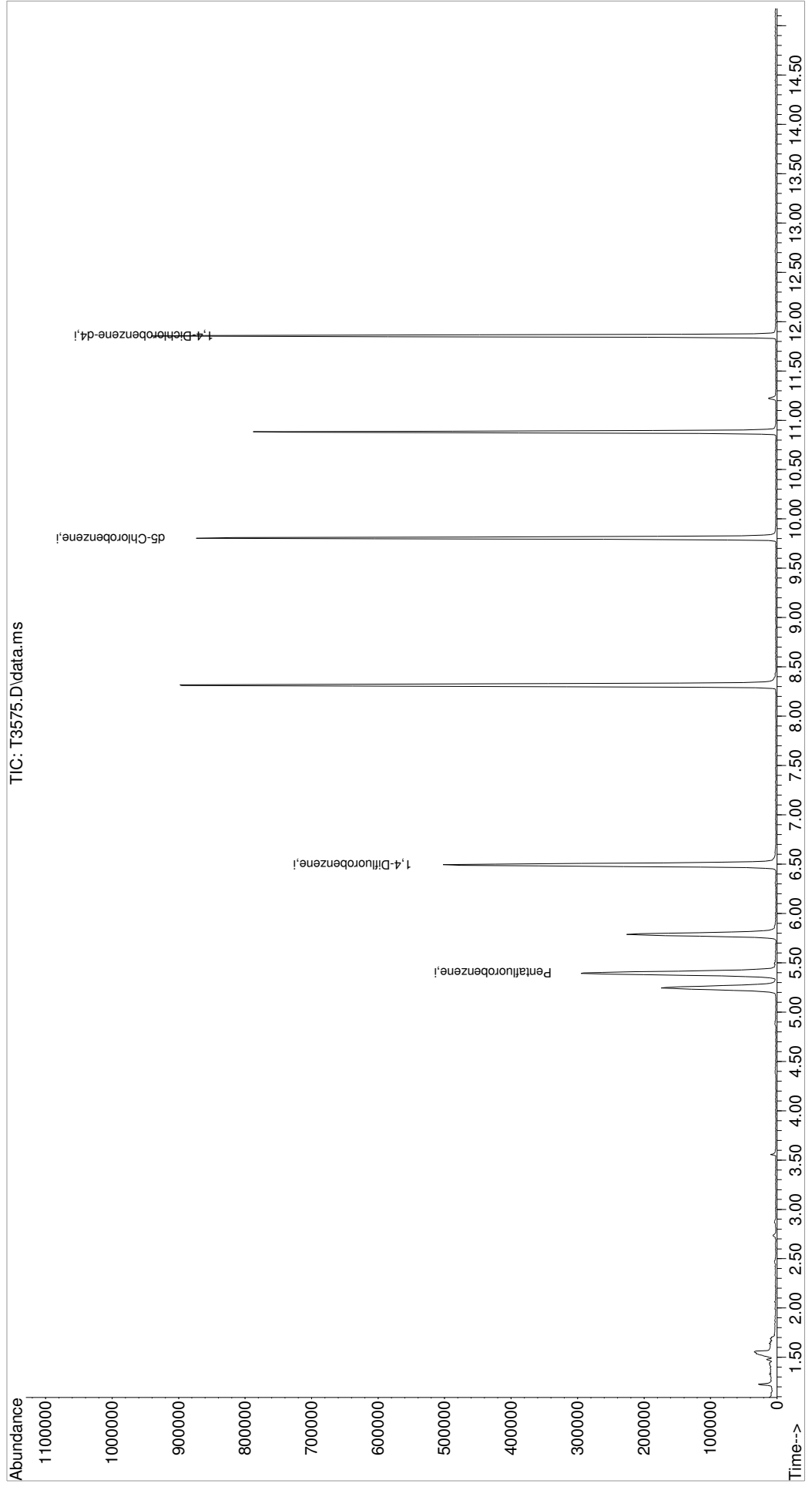
Internal Standards						
1) Pentafluorobenzene	5.397	168	271282	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	423501	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	379008	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	182070	50.00	ug/L	0.00

Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3575.D
 Acq On : 29 Nov 2020 6:15 pm
 Operator : F.NAEGLER
 Sample : R2011094-005|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 21 Sample Multiplier: 1
 Inst : MSV0A10

Quant Time: Nov 30 08:06:25 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 Qlast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3575.D
 Acq On : 29 Nov 2020 6:15 pm
 Operator : F.NAEGLER
 Sample : R2011094-005|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:40:04 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

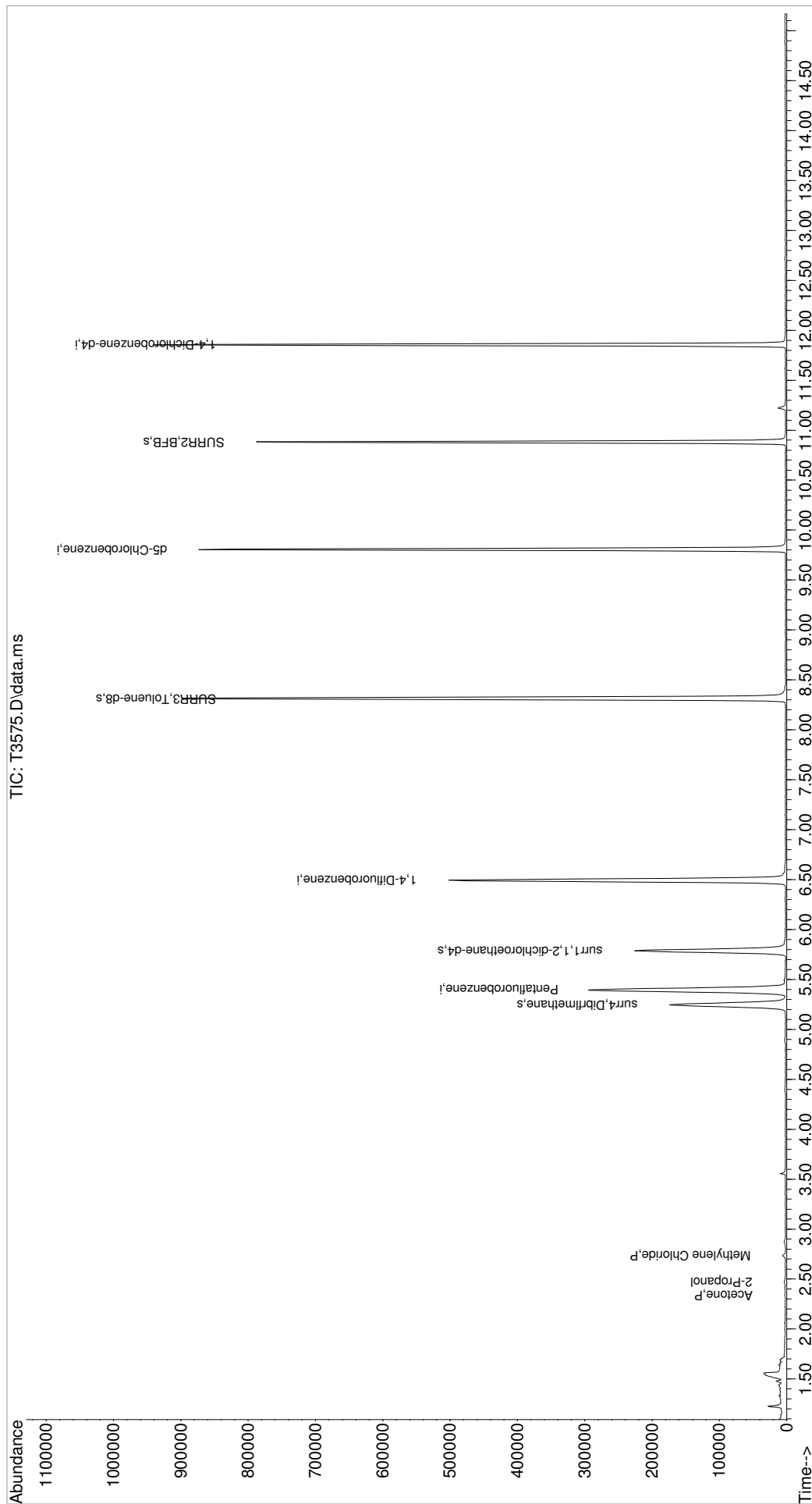
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

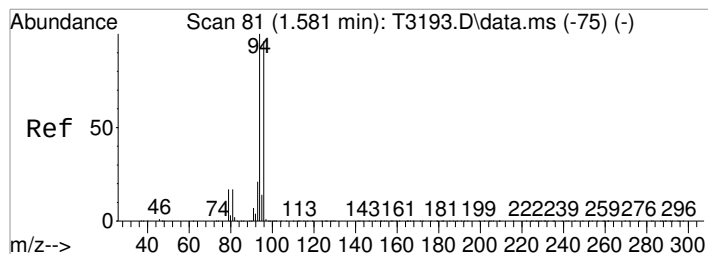
Internal Standards						
1) Pentafluorobenzene	5.397	168	271282	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	423501	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	379008	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	182058	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	140815	53.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.46%			
46) surr1,1,2-dichloroetha...	5.787	65	191145	55.98	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 111.96%			
64) SURR3,Toluene-d8	8.311	98	556735	54.05	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 108.10%			
69) SURR2,BFB	10.884	95	196576	49.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.28%			
Target Compounds						
5) Bromomethane	1.575	94	312	Below Cal	Qvalue #	44
15) Acetone	2.337	43	1104	0.67 ug/L		90
16) 2-Propanol	2.471	45	1609	4.55 ug/L		93
22) Methylene Chloride	2.739	84	1456m	0.53 ug/L		
38) Tetrahydrofuran	4.873	42	1487	Below Cal		100

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3575.D
 Acq On : 29 Nov 2020 6:15 pm
 Operator : F.NAEGLER
 Sample : R2011094-005|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 21 Sample Multiplier: 1
 Inst : MSV0A10

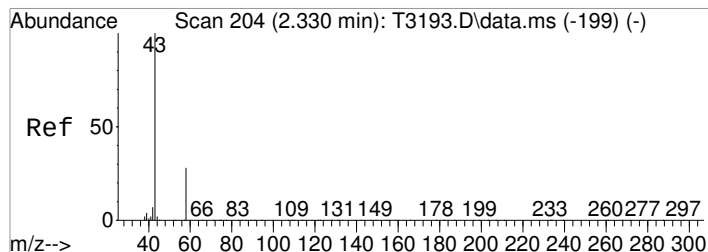
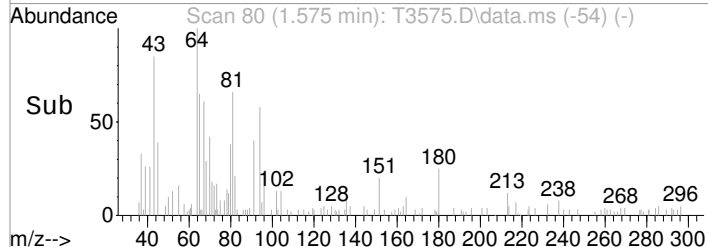
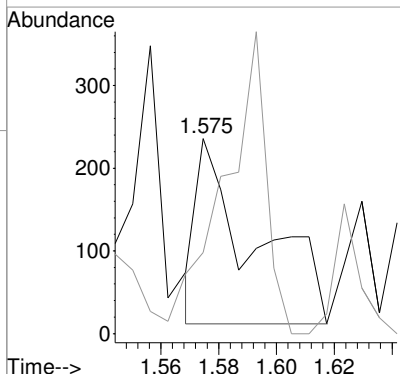
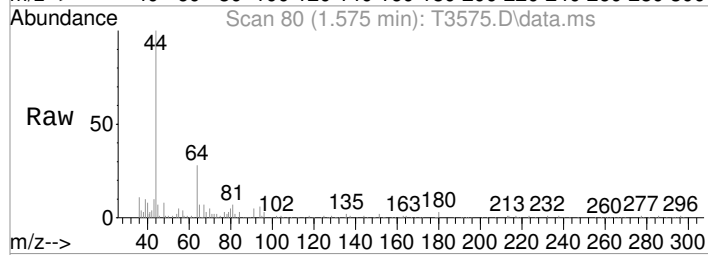
Quant Time: Dec 03 13:40:04 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 Qlast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





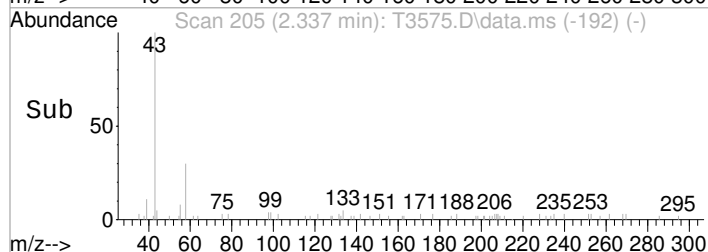
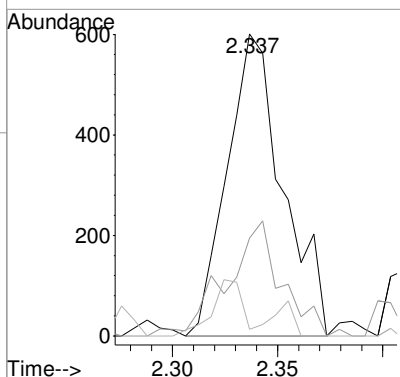
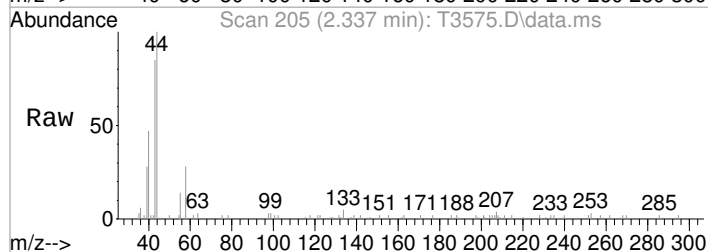
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.575 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: T3575.D
 Acq: 29 Nov 2020 6:15 pm

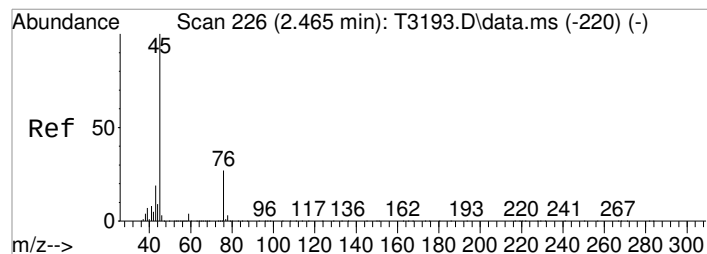
Tgt Ion: 94 Resp: 312
 Ion Ratio Lower Upper
 94 100
 96 41.5 76.3 116.3#



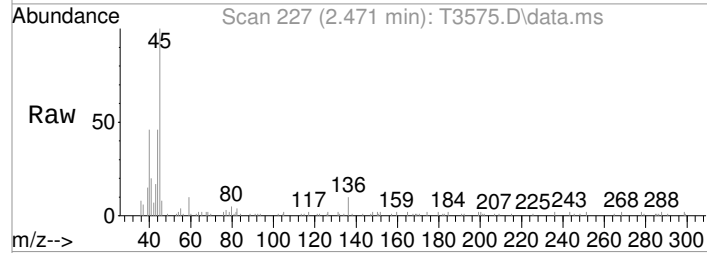
#15
 Acetone
 Concen: 0.67 ug/L
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3575.D
 Acq: 29 Nov 2020 6:15 pm

Tgt Ion: 43 Resp: 1104
 Ion Ratio Lower Upper
 43 100
 58 32.4 7.8 47.8
 42 2.2 0.0 27.2

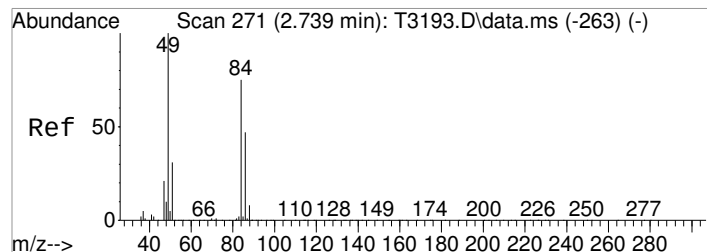
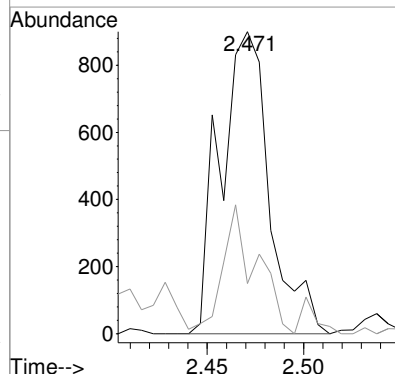
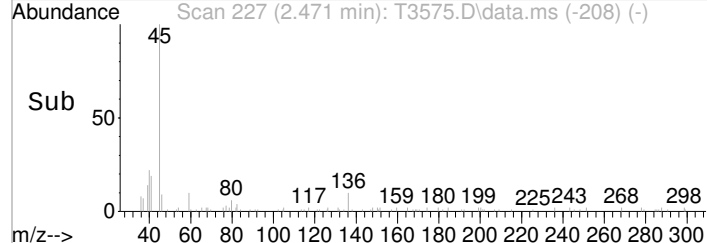




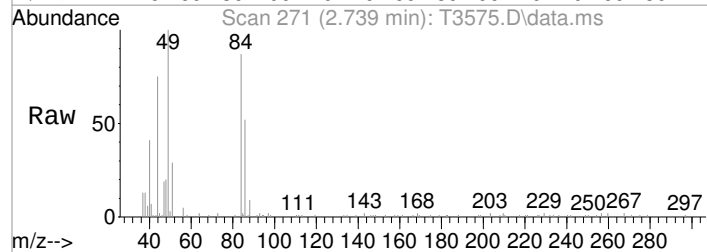
#16
 2-Propanol
 Concen: 4.55 ug/L
 RT: 2.471 min Scan# 227
 Delta R.T. 0.006 min
 Lab File: T3575.D
 Acq: 29 Nov 2020 6:15 pm



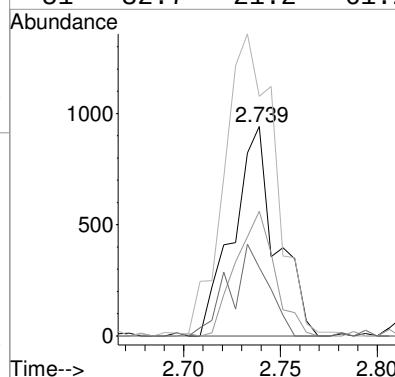
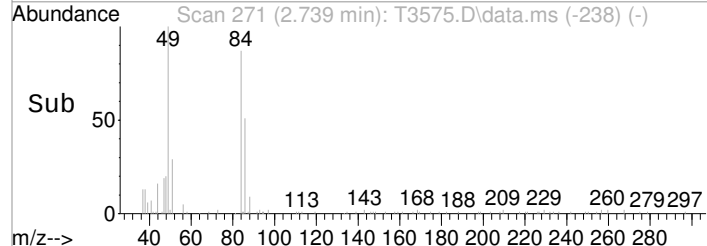
Tgt Ion: 45 Resp: 1609
 Ion Ratio Lower Upper
 45 100
 43 16.6 0.0 39.6

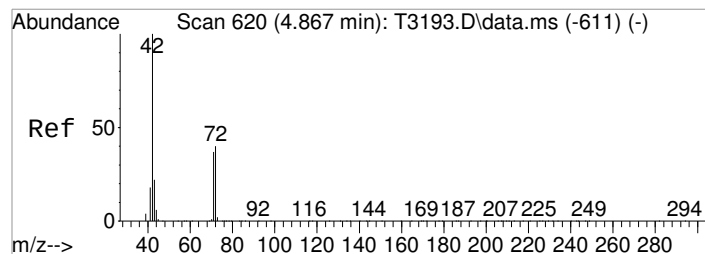


#22
 Methylene Chloride
 Concen: 0.53 ug/L m
 RT: 2.739 min Scan# 271
 Delta R.T. 0.000 min
 Lab File: T3575.D
 Acq: 29 Nov 2020 6:15 pm



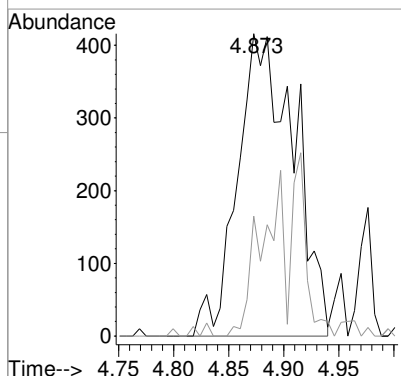
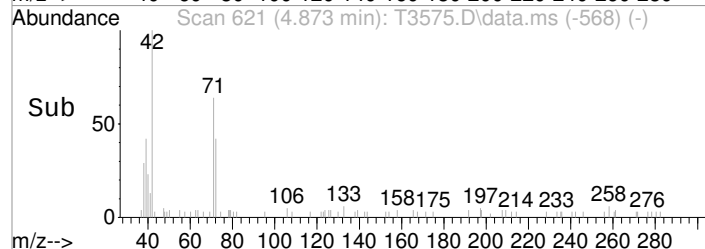
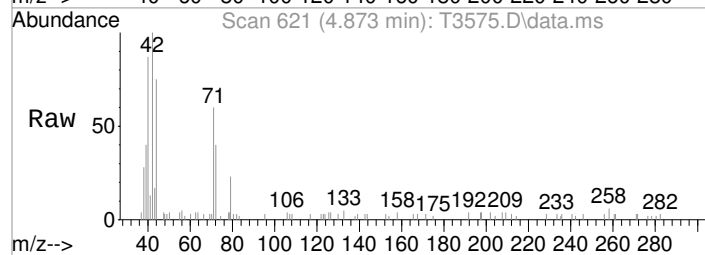
Tgt Ion: 84 Resp: 1456
 Ion Ratio Lower Upper
 84 100
 86 59.6 42.9 82.9
 49 114.3 113.2 153.2
 51 32.7 21.2 61.2





#38
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.873 min Scan# 621
 Delta R.T. 0.007 min
 Lab File: T3575.D
 Acq: 29 Nov 2020 6:15 pm

Tgt Ion: 42 Resp: 1487
 Ion Ratio Lower Upper
 42 100
 72 39.7 19.8 59.8



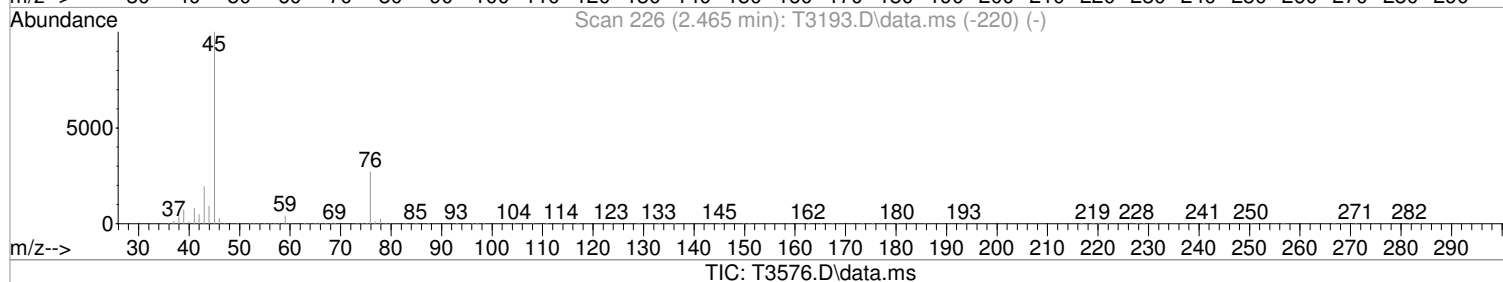
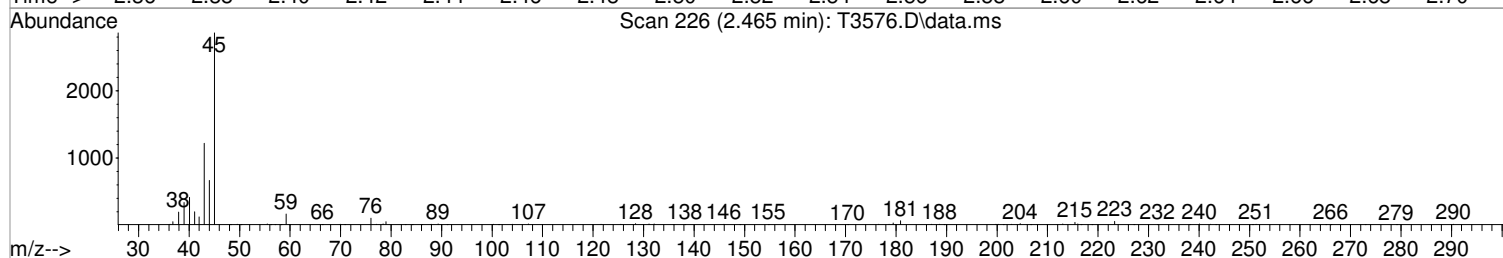
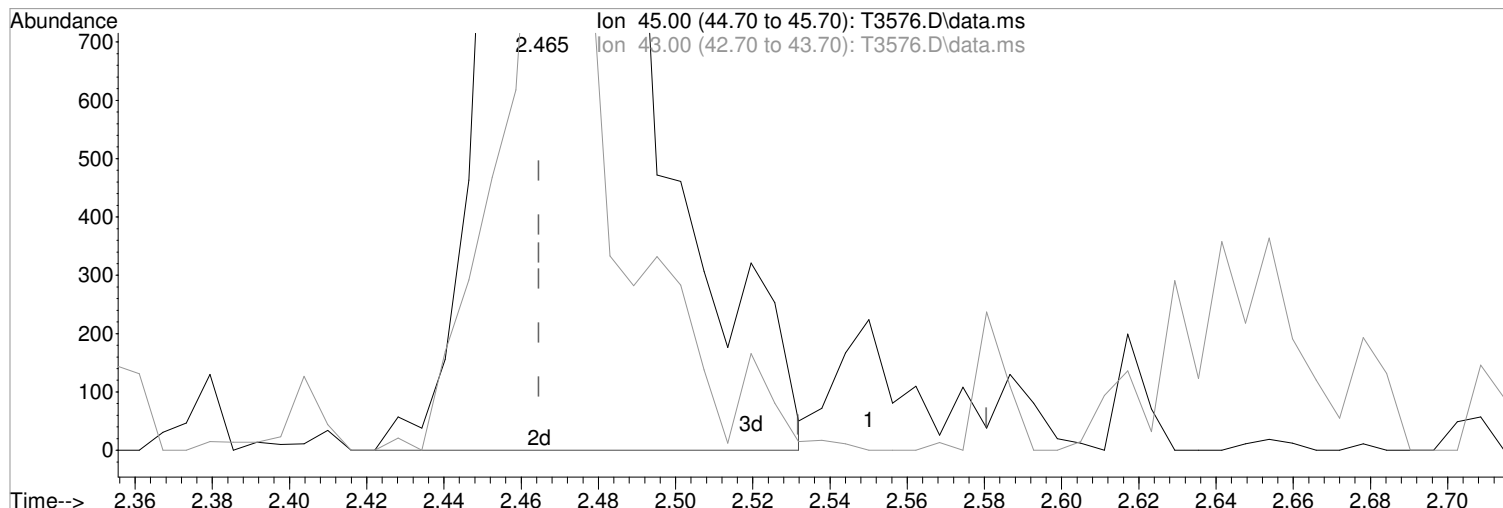
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3576.D
Acq On : 29 Nov 2020 6:37 pm
Operator : F.NAEGLER
Sample : R2011094-006|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:04:12 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



(16) 2-Propanol

2.465min (+0.000) 18.74 ug/L m

response 6574

Ion	Exp%	Act%
45.00	100	100
43.00	19.60	42.54#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

12/03/20

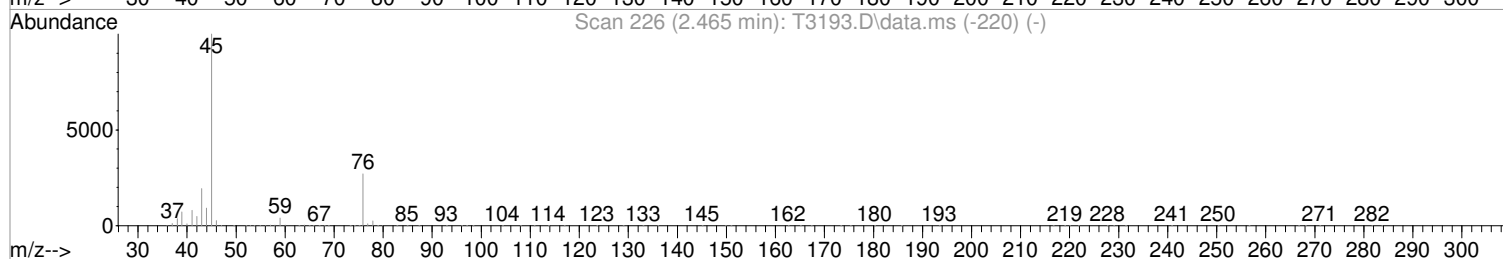
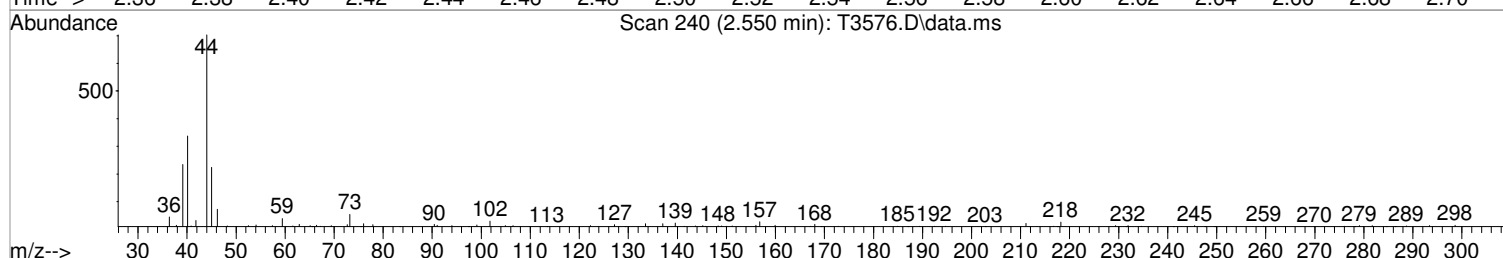
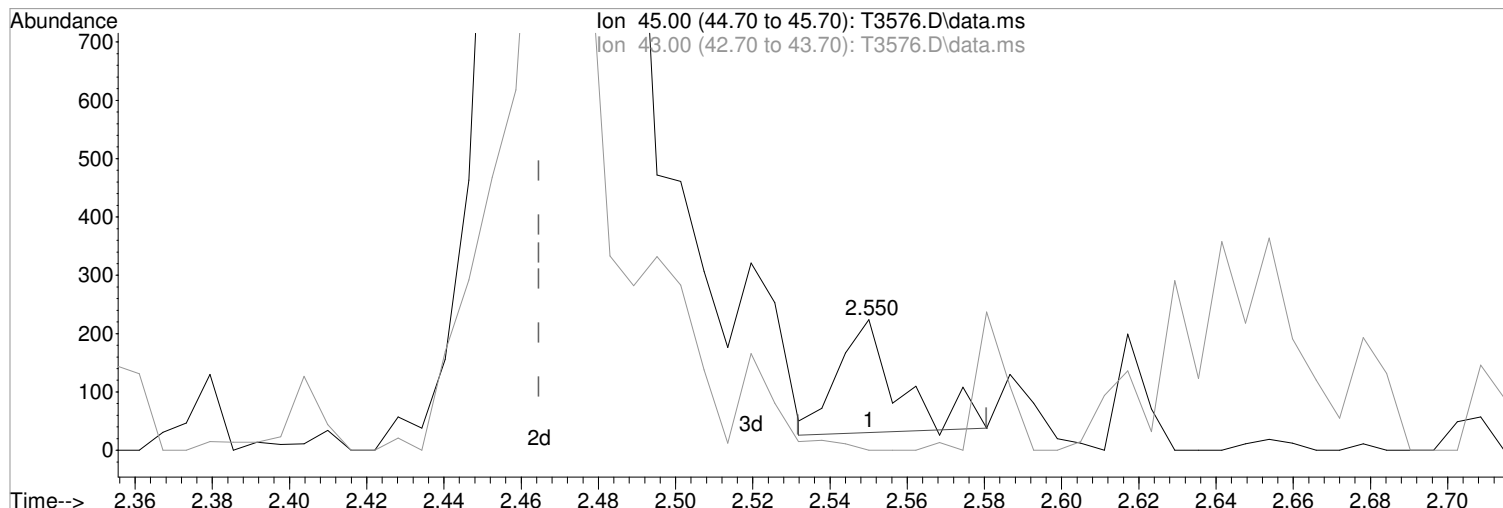
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3576.D
Acq On : 29 Nov 2020 6:37 pm
Operator : F.NAEGLER
Sample : R2011094-006|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:04:12 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



(16) 2-Propanol

Manual Integration:

2.550min (+0.085) 0.59 ug/L

Before

response 208

Ion	Exp%	Act%
45.00	100	100
43.00	19.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

12/03/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3576.D
Acq On : 29 Nov 2020 6:37 pm
Operator : F.NAEGLER
Sample : R2011094-006|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:06:35 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

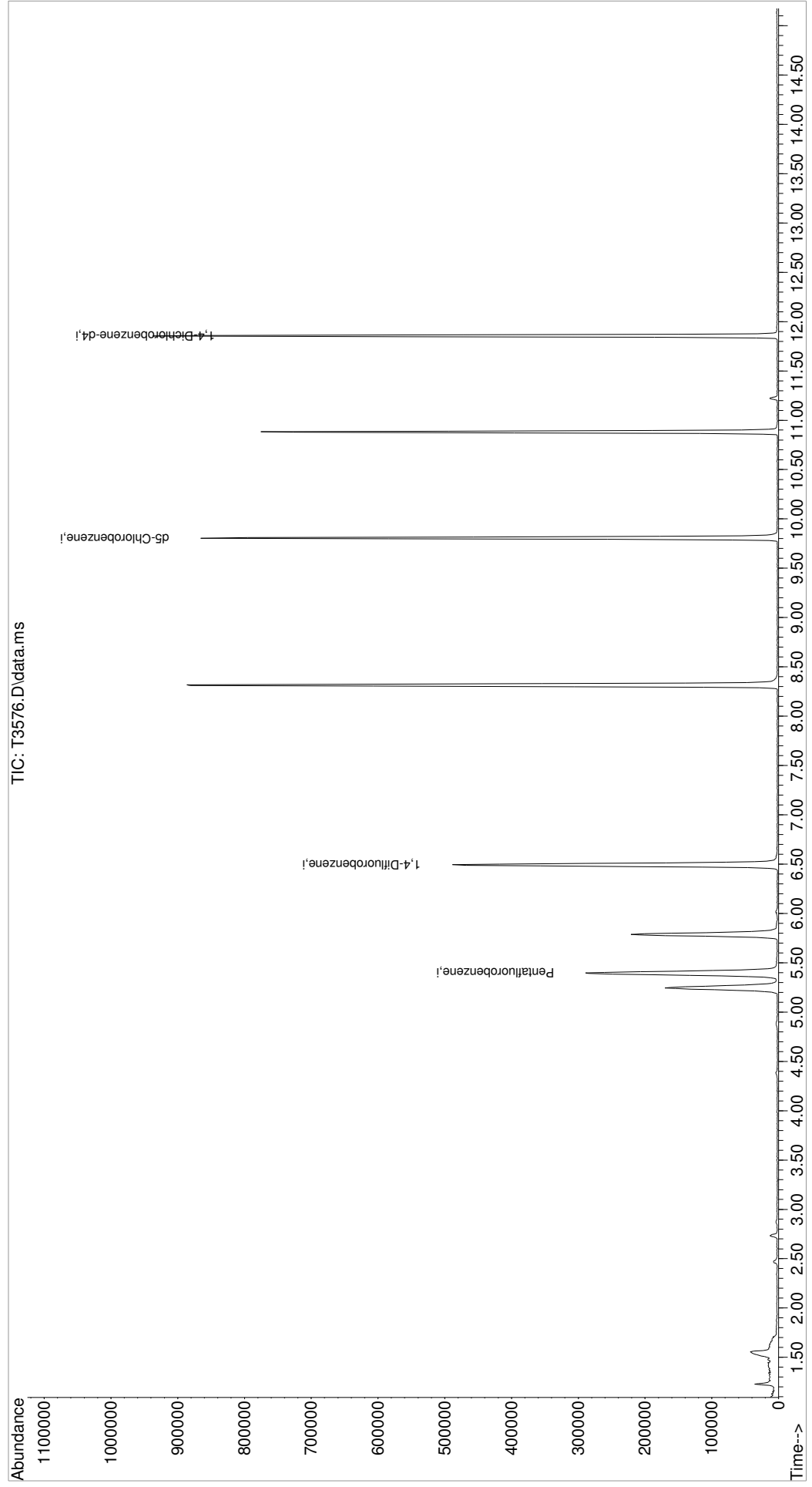
Internal Standards						
1) Pentafluorobenzene	5.397	168	269186	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	416128	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	371456	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	180214	50.00	ug/L	0.00

Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3576.D
Acq On : 29 Nov 2020 6:37 pm
Operator : F.NAEGLER
Sample : R2011094-006|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 22 Sample Multiplier: 1
Inst : MSV0A10

Quant Time: Nov 30 08:06:35 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3576.D
 Acq On : 29 Nov 2020 6:37 pm
 Operator : F.NAEGLER
 Sample : R2011094-006|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:41:36 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

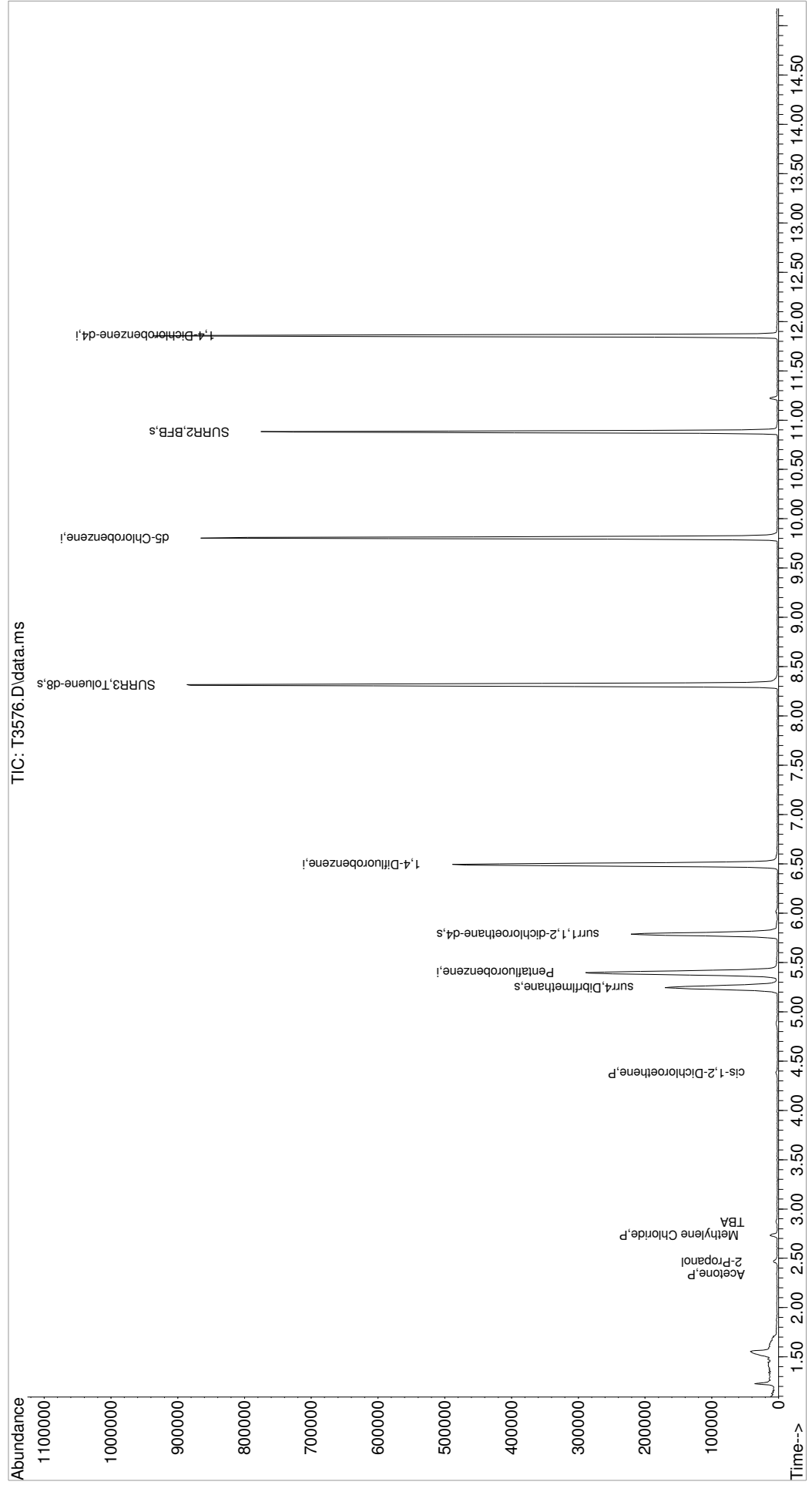
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	269186	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	416128	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	371456	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	180214	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	135836	52.26	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	104.52%	
46) surr1,1,2-dichloroetha...	5.787	65	185871	55.40	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	110.80%	
64) SURR3,Toluene-d8	8.317	98	548927	54.24	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	108.48%	
69) SURR2,BFB	10.884	95	197476	50.75	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	101.50%	
Target Compounds						
5) Bromomethane	1.587	94	296	Below Cal	Qvalue #	7
15) Acetone	2.337	43	1100	0.67 ug/L		84
16) 2-Propanol	2.465	45	6574m	18.74 ug/L		
18) Carbon Disulfide	2.483	76	292	Below Cal		93
22) Methylene Chloride	2.733	84	4269	1.56 ug/L	#	82
23) TBA	2.873	59	1794	3.25 ug/L		96
33) cis-1,2-Dichloroethene	4.379	96	972	0.36 ug/L		89
38) Tetrahydrofuran	4.885	42	1025	Below Cal		86

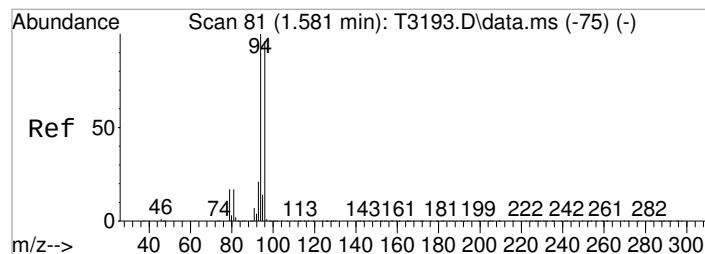
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\112920\
 Data File : T3576.D
 Acq On : 29 Nov 2020 6:37 pm
 Operator : F.NAEGLER
 Sample : R2011094-006|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA10

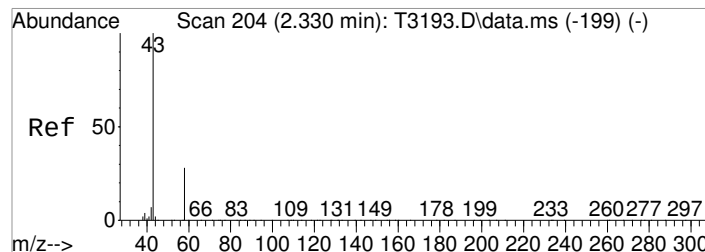
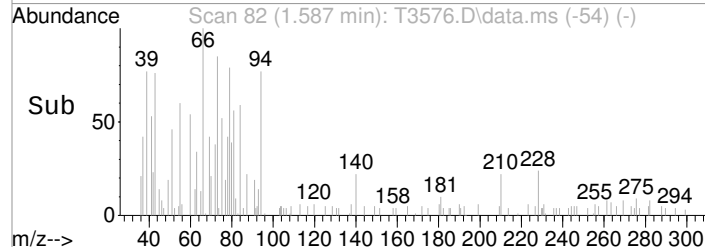
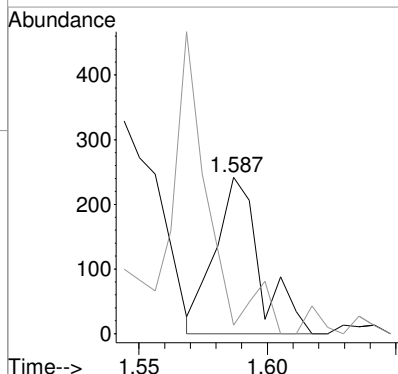
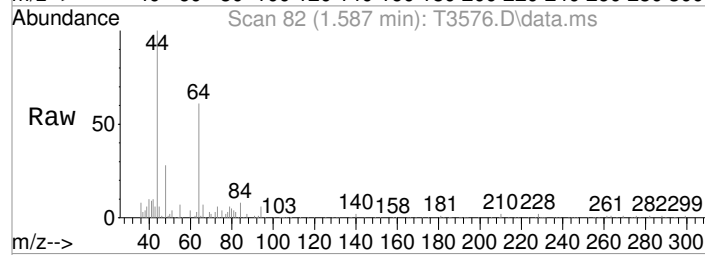
Quant Time: Dec 03 13:41:36 2020
 Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





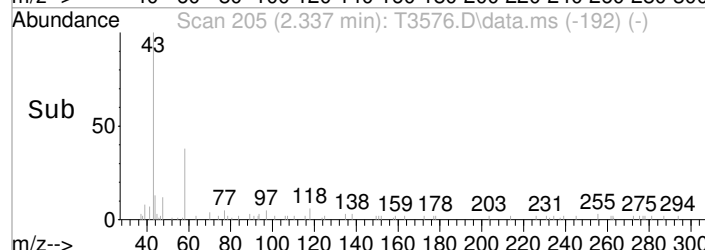
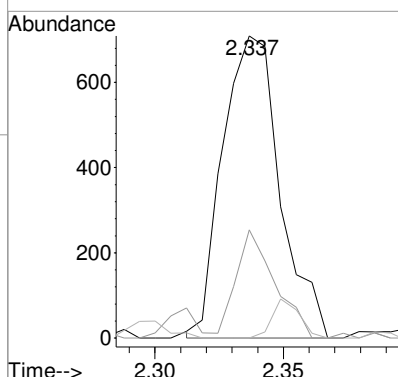
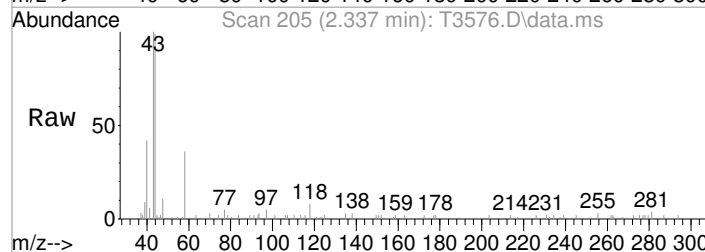
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: T3576.D
 Acq: 29 Nov 2020 6:37 pm

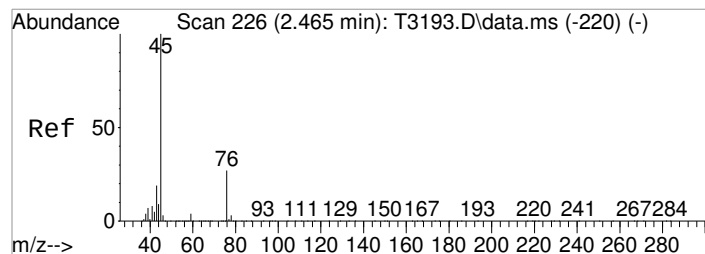
Tgt Ion: 94 Resp: 296
 Ion Ratio Lower Upper
 94 100
 96 5.4 76.3 116.3#



#15
 Acetone
 Concen: 0.67 ug/L
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3576.D
 Acq: 29 Nov 2020 6:37 pm

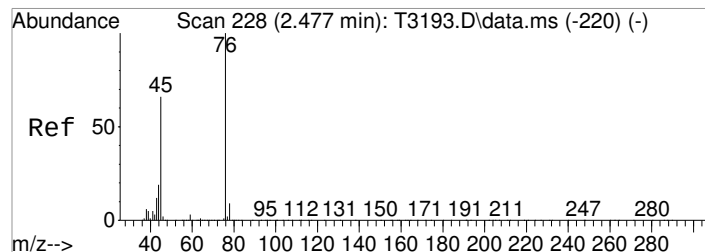
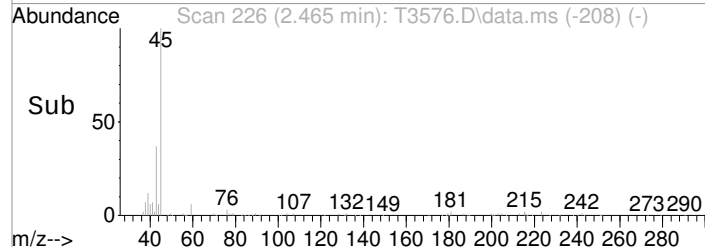
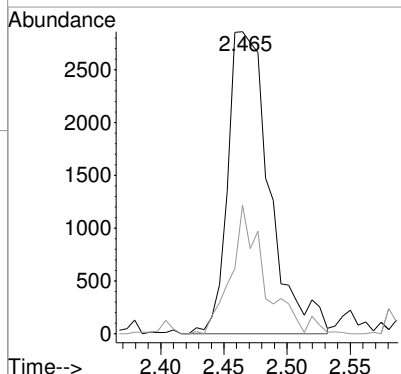
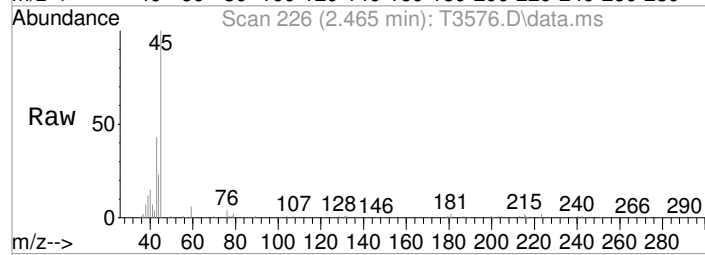
Tgt Ion: 43 Resp: 1100
 Ion Ratio Lower Upper
 43 100
 58 35.8 7.8 47.8
 42 0.0 0.0 27.2





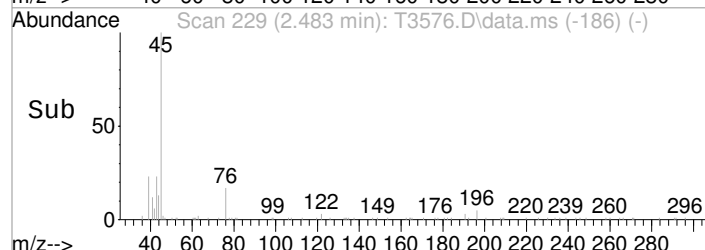
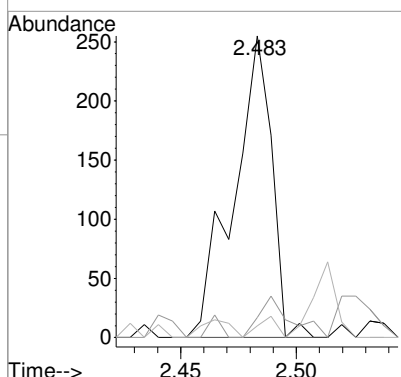
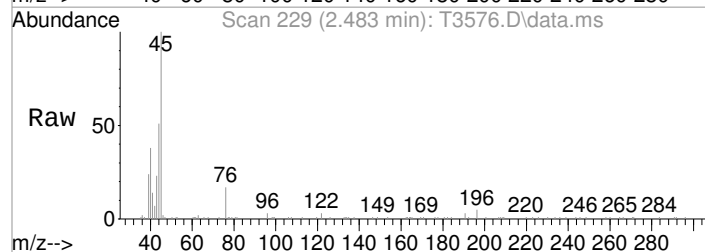
#16
 2-Propanol
 Concen: 18.74 ug/L m
 RT: 2.465 min Scan# 226
 Delta R.T. 0.000 min
 Lab File: T3576.D
 Acq: 29 Nov 2020 6:37 pm

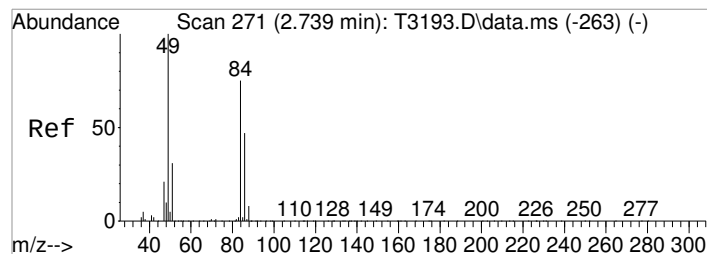
Tgt Ion: 45 Resp: 6574
 Ion Ratio Lower Upper
 45 100
 43 42.5 0.0 39.6#



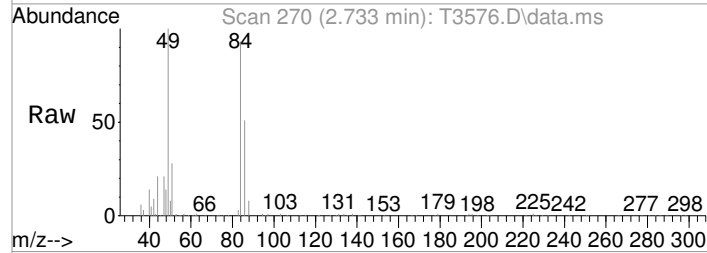
#18
 Carbon Disulfide
 Concen: Below Cal
 RT: 2.483 min Scan# 229
 Delta R.T. 0.007 min
 Lab File: T3576.D
 Acq: 29 Nov 2020 6:37 pm

Tgt Ion: 76 Resp: 292
 Ion Ratio Lower Upper
 76 100
 78 6.7 0.0 29.3
 77 3.9 0.0 22.2

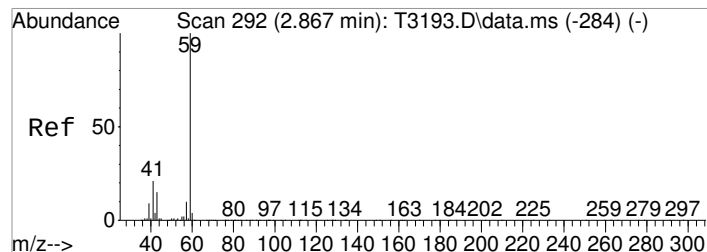
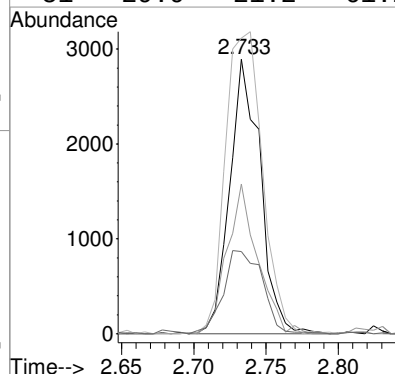
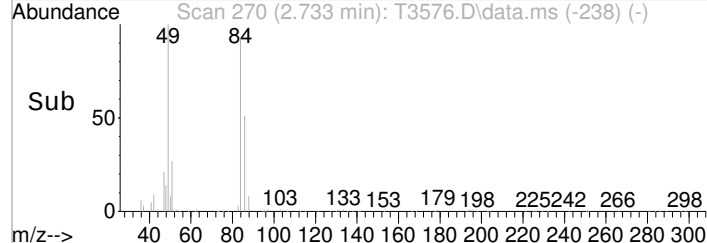




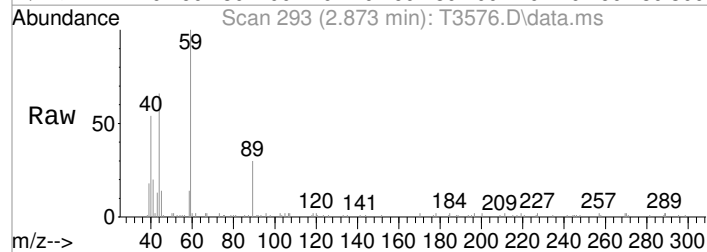
#22
 Methylene Chloride
 Concen: 1.56 ug/L
 RT: 2.733 min Scan# 270
 Delta R.T. -0.006 min
 Lab File: T3576.D
 Acq: 29 Nov 2020 6:37 pm



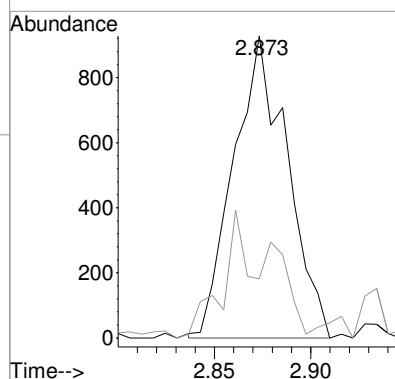
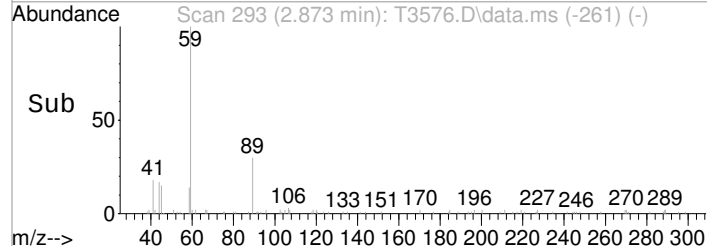
Tgt Ion: 84 Resp: 4269
 Ion Ratio Lower Upper
 84 100
 86 54.5 42.9 82.9
 49 107.7 113.2 153.2#
 51 29.9 21.2 61.2

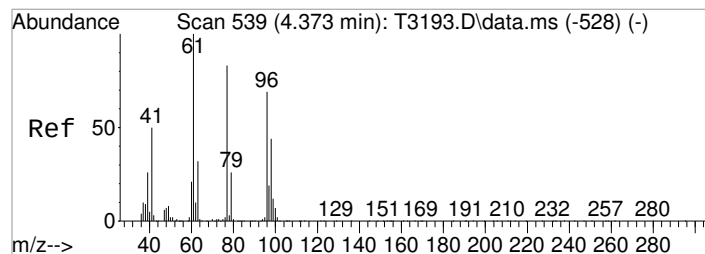


#23
 TBA
 Concen: 3.25 ug/L
 RT: 2.873 min Scan# 293
 Delta R.T. 0.006 min
 Lab File: T3576.D
 Acq: 29 Nov 2020 6:37 pm



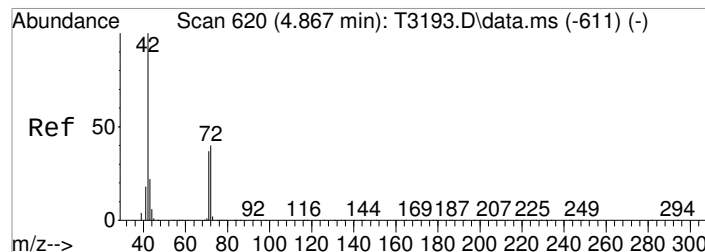
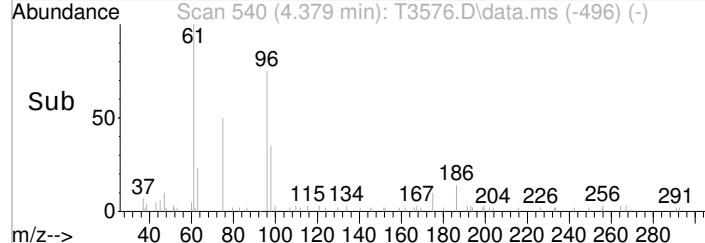
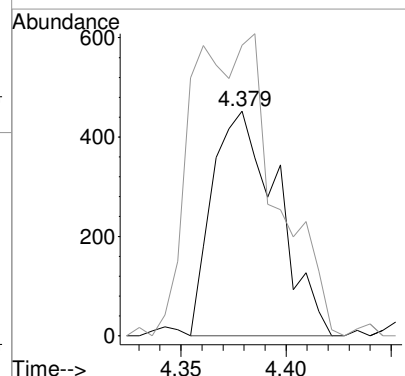
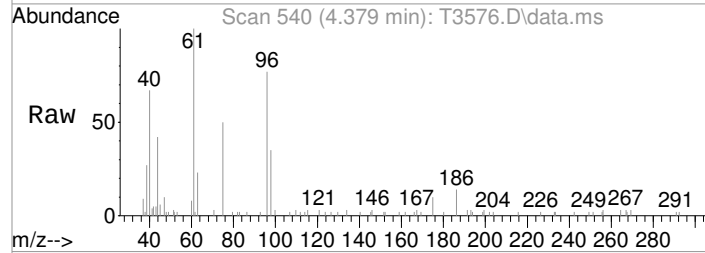
Tgt Ion: 59 Resp: 1794
 Ion Ratio Lower Upper
 59 100
 41 19.6 1.4 41.4





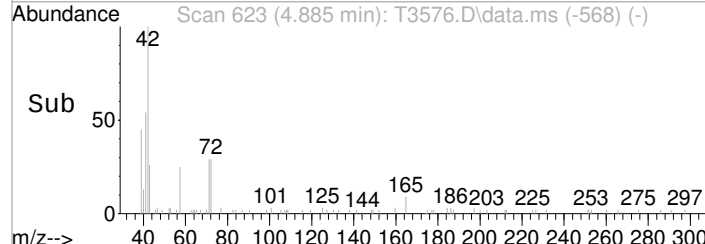
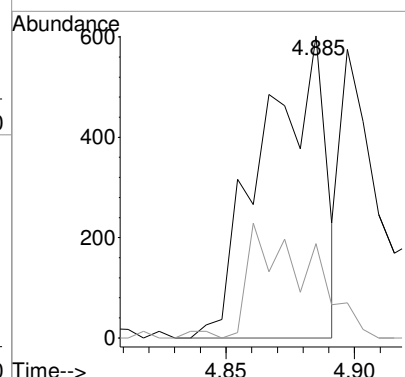
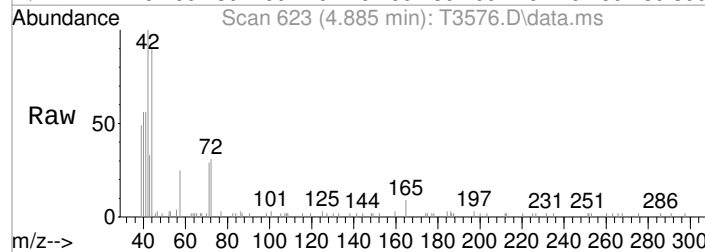
#33
 cis-1,2-Dichloroethene
 Concen: 0.36 ug/L
 RT: 4.379 min Scan# 540
 Delta R.T. 0.006 min
 Lab File: T3576.D
 Acq: 29 Nov 2020 6:37 pm

Tgt Ion: 96 Resp: 972
 Ion Ratio Lower Upper
 96 100
 61 131.9 126.2 166.2



#38
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.885 min Scan# 623
 Delta R.T. 0.019 min
 Lab File: T3576.D
 Acq: 29 Nov 2020 6:37 pm

Tgt Ion: 42 Resp: 1025
 Ion Ratio Lower Upper
 42 100
 72 31.2 19.8 59.8



Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3577.D
Acq On : 29 Nov 2020 6:59 pm
Operator : F.NAEGLER
Sample : R2011094-007|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:06:44 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	252146	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	398204	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	351812	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	178732	50.00	ug/L	0.00

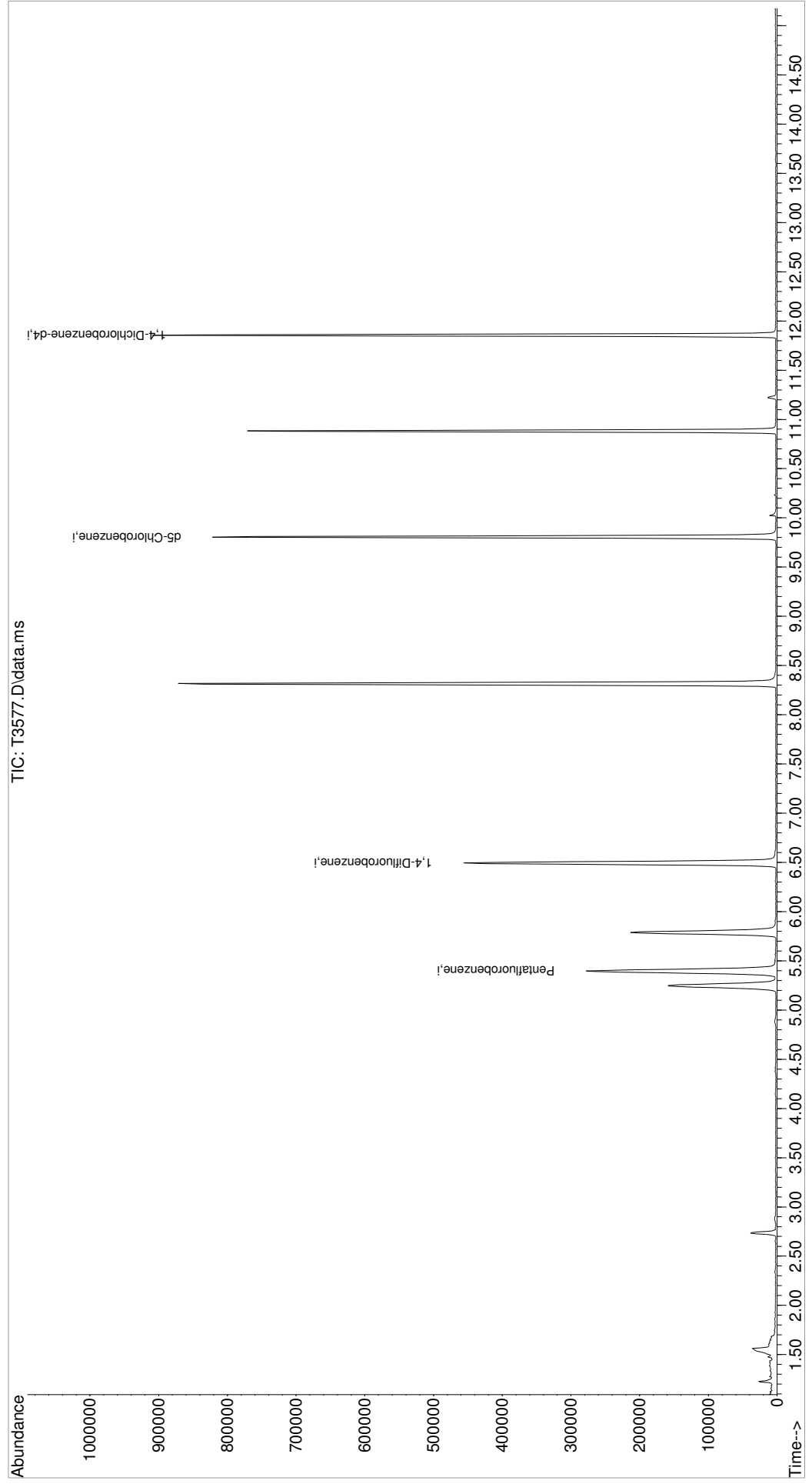
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3577.D
 Acq On : 29 Nov 2020 6:59 pm
 Operator : F.NAEGLER
 Sample : R2011094-007|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 23 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Nov 30 08:06:44 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 Qlast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3577.D
 Acq On : 29 Nov 2020 6:59 pm
 Operator : F.NAEGLER
 Sample : R2011094-007|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:42:48 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

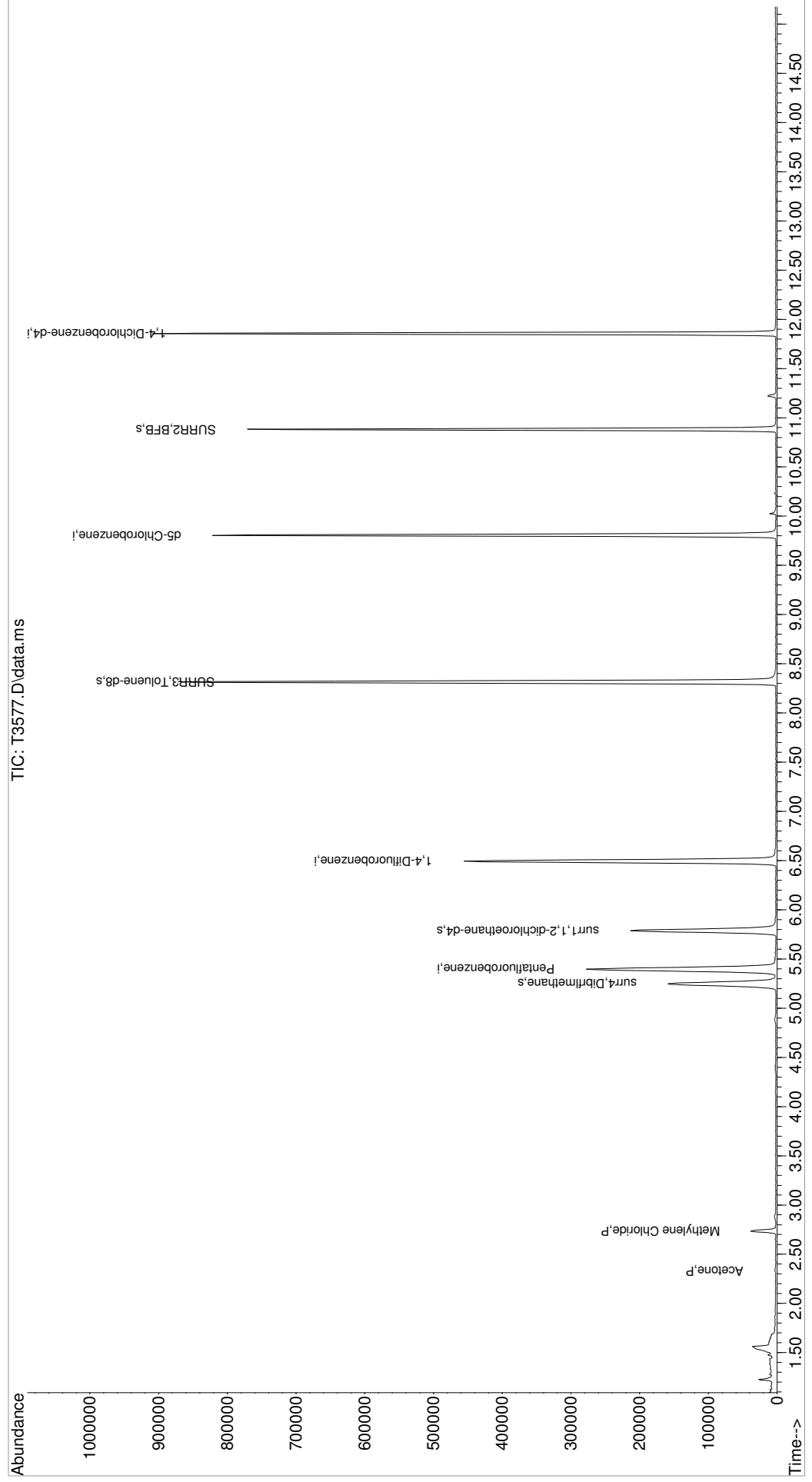
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	252146	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	398204	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	351812	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	178732	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	133038	53.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 106.98%			
46) surr1,1,2-dichloroetha...	5.787	65	184748	57.54	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 115.08%			
64) SURR3,Toluene-d8	8.317	98	529699	54.70	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 109.40%			
69) SURR2,BFB	10.884	95	194528	52.24	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 104.48%			
Target Compounds						
15) Acetone	2.331	43	1836	1.19	ug/L	91
18) Carbon Disulfide	2.483	76	251	Below	Cal	77
22) Methylene Chloride	2.739	84	13427	5.23	ug/L	91
38) Tetrahydrofuran	4.867	42	1675	Below	Cal #	58

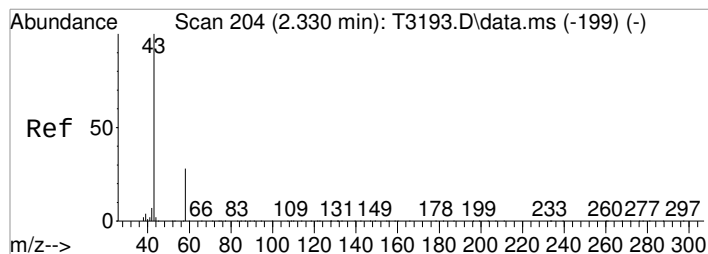
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3577.D
 Acq On : 29 Nov 2020 6:59 pm
 Operator : F.NAEGLER
 Sample : R2011094-007|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 23 Sample Multiplier: 1

Inst : MSV0A10

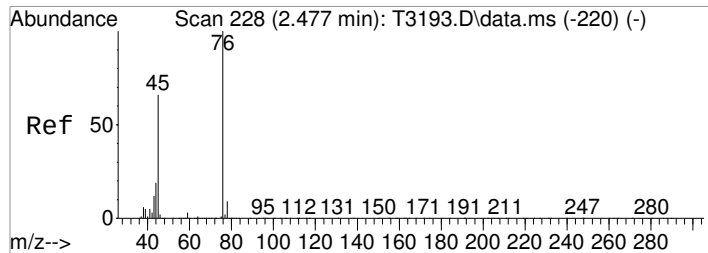
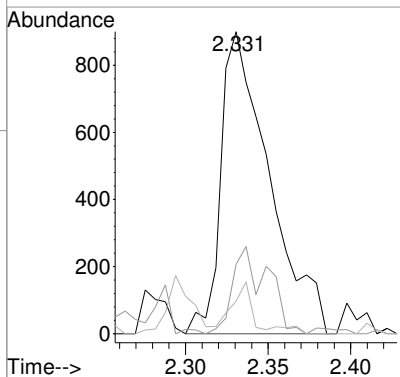
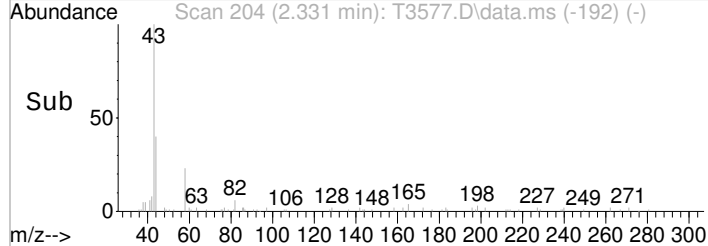
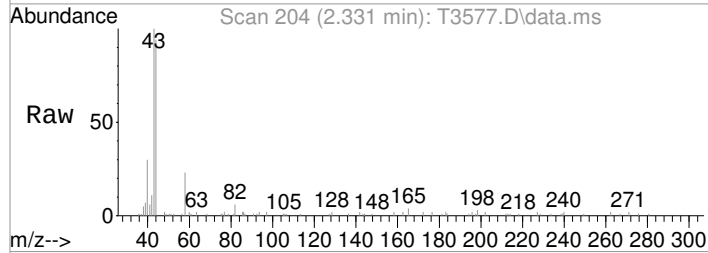
Quant Time: Dec 03 13:42:48 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 Qlast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





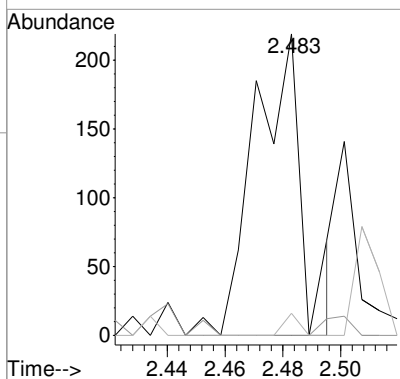
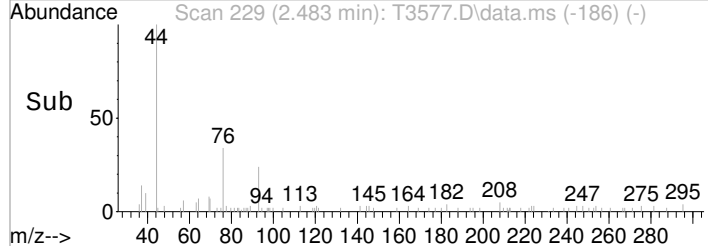
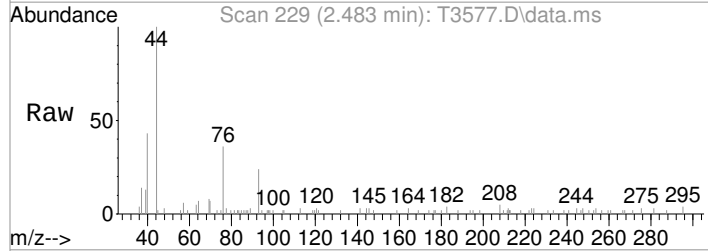
#15
 Acetone
 Concen: 1.19 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: T3577.D
 Acq: 29 Nov 2020 6:59 pm

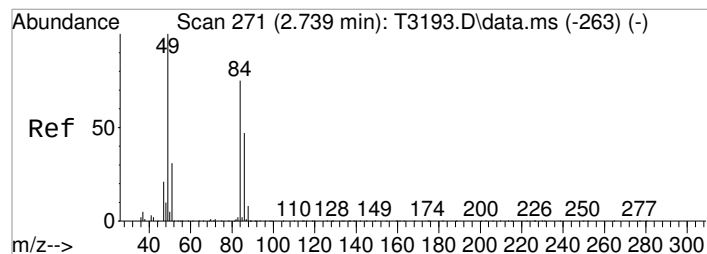
Tgt Ion:	43	Resp:	1836
Ion Ratio		Lower	Upper
43	100		
58	23.0	7.8	47.8
42	10.8	0.0	27.2



#18
 Carbon Disulfide
 Concen: Below Cal
 RT: 2.483 min Scan# 229
 Delta R.T. 0.007 min
 Lab File: T3577.D
 Acq: 29 Nov 2020 6:59 pm

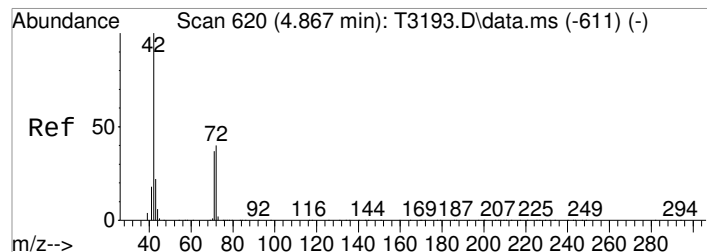
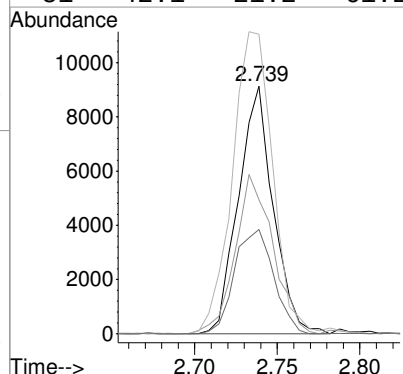
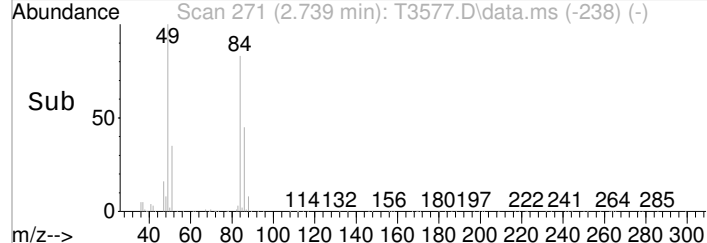
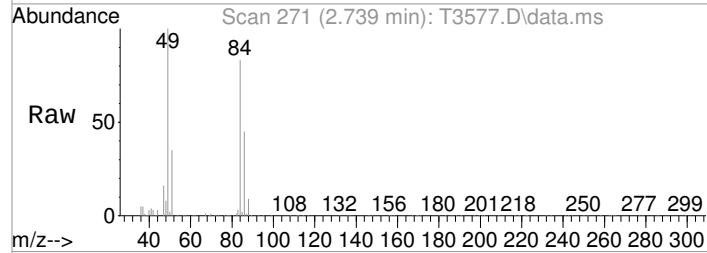
Tgt Ion:	76	Resp:	251
Ion Ratio		Lower	Upper
76	100		
78	0.0	0.0	29.3
77	7.3	0.0	22.2





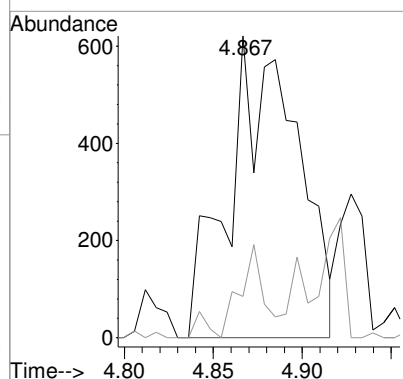
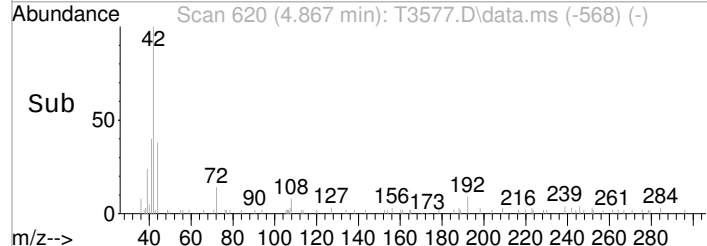
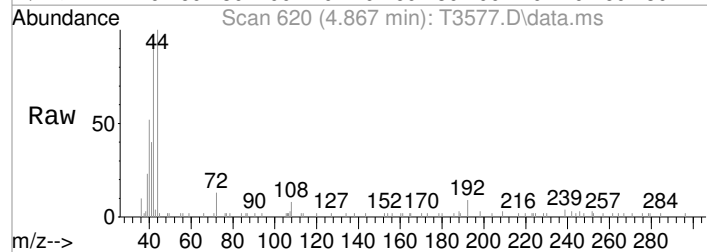
#22
 Methylene Chloride
 Concen: 5.23 ug/L
 RT: 2.739 min Scan# 271
 Delta R.T. 0.000 min
 Lab File: T3577.D
 Acq: 29 Nov 2020 6:59 pm

Tgt Ion:	84	Resp:	13427
Ion Ratio	Lower	Upper	
84	100		
86	54.1	42.9	82.9
49	121.0	113.2	153.2
51	42.1	21.2	61.2



#38
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.867 min Scan# 620
 Delta R.T. 0.001 min
 Lab File: T3577.D
 Acq: 29 Nov 2020 6:59 pm

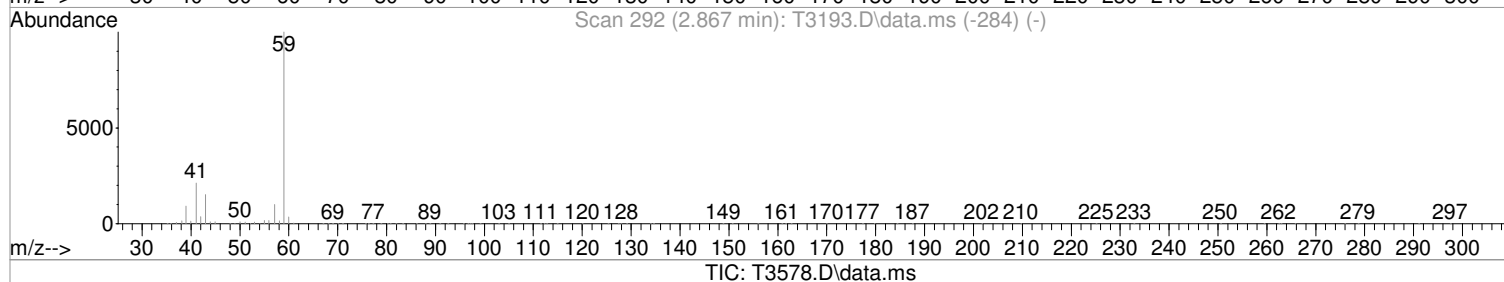
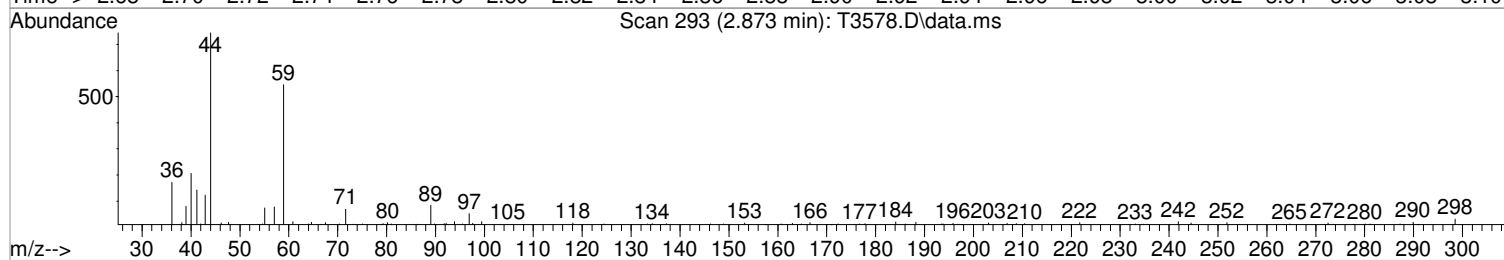
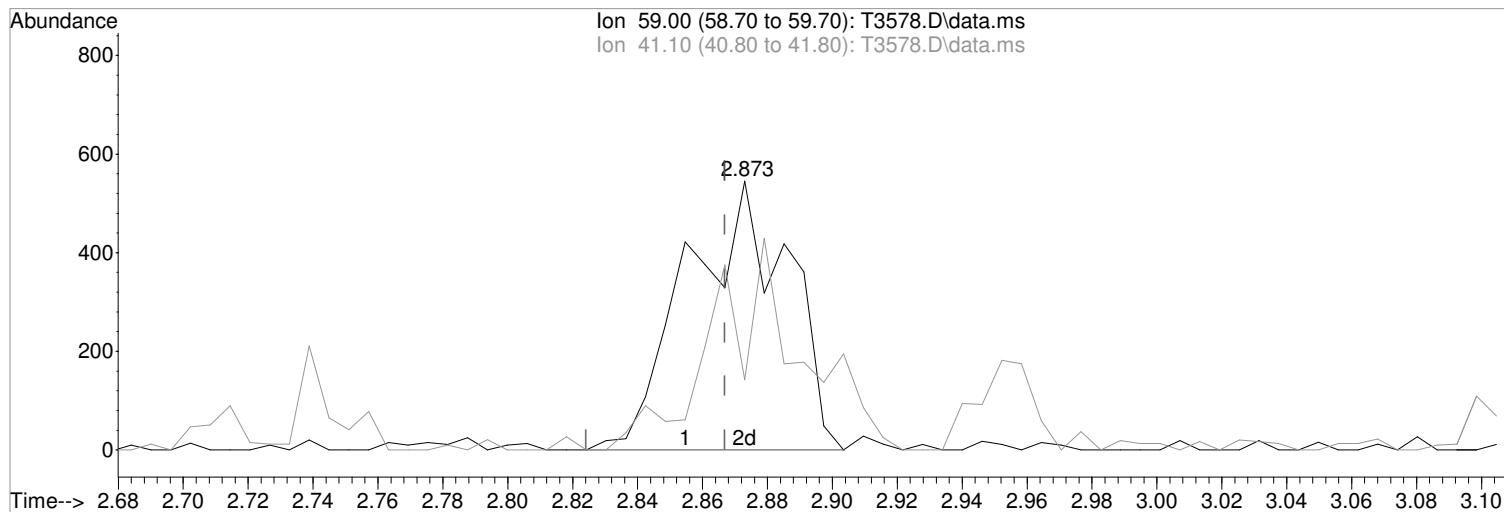
Tgt Ion:	42	Resp:	1675
Ion Ratio	Lower	Upper	
42	100		
72	13.7	19.8	59.8#



Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3578.D
Acq On : 29 Nov 2020 7:21 pm
Operator : F.NAEGLER
Sample : R2011094-008|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:04:31 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



TIC: T3578.D\data.ms

(23) TBA

2.873min (+0.006) 2.24 ug/L m

response 1178

Ion	Exp%	Act%
59.00	100	100
41.10	21.40	26.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

12/03/20

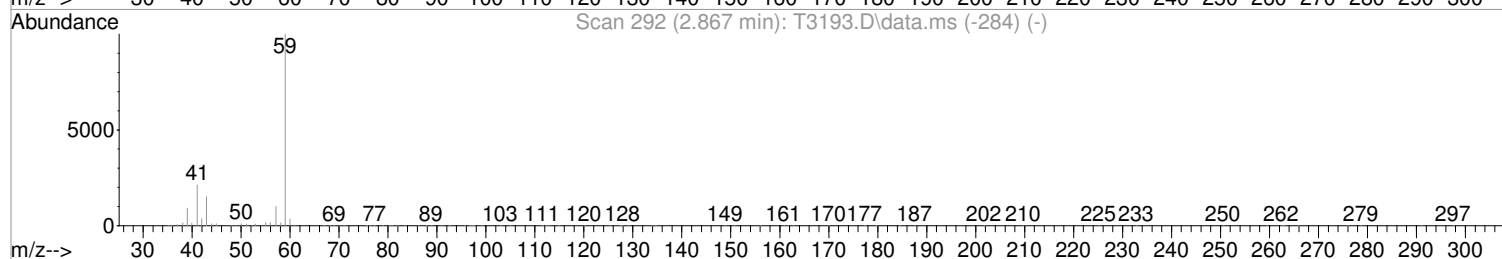
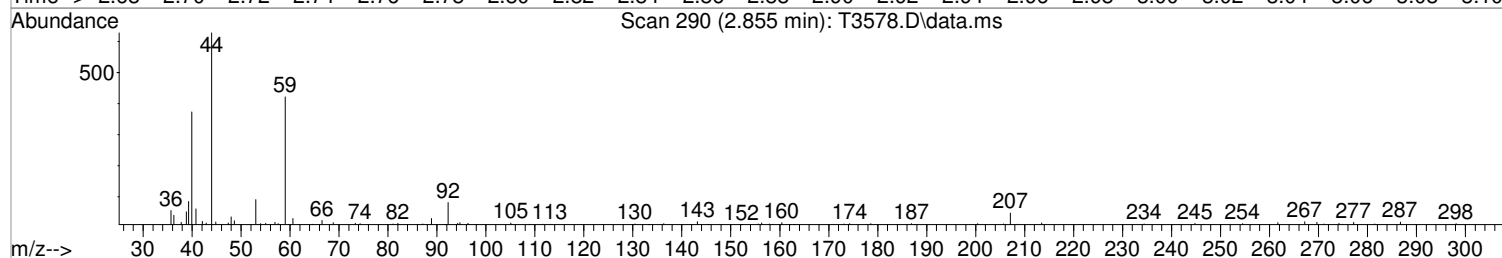
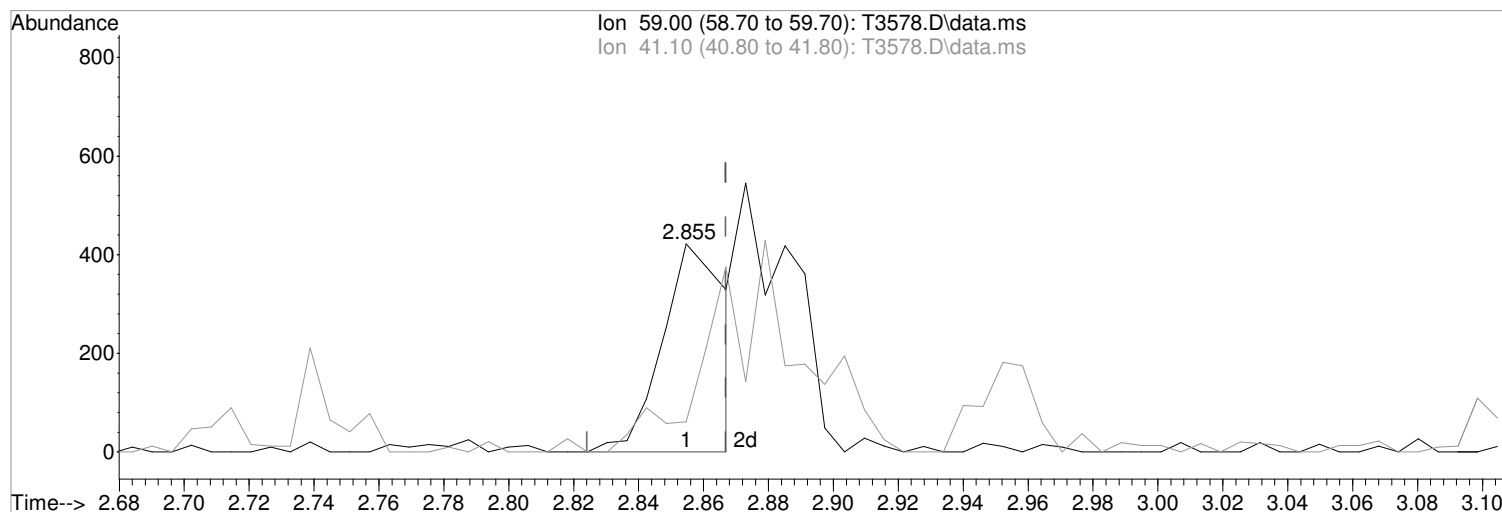
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3578.D
Acq On : 29 Nov 2020 7:21 pm
Operator : F.NAEGLER
Sample : R2011094-008|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:04:31 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



TIC: T3578.D\data.ms

(23) TBA

Manual Integration:

2.855min (-0.012) 1.07 ug/L

Before

response 560

Ion	Exp%	Act%
59.00	100	100
41.10	21.40	14.45
0.00	0.00	0.00
0.00	0.00	0.00

12/03/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3578.D
Acq On : 29 Nov 2020 7:21 pm
Operator : F.NAEGLER
Sample : R2011094-008|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:06:52 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

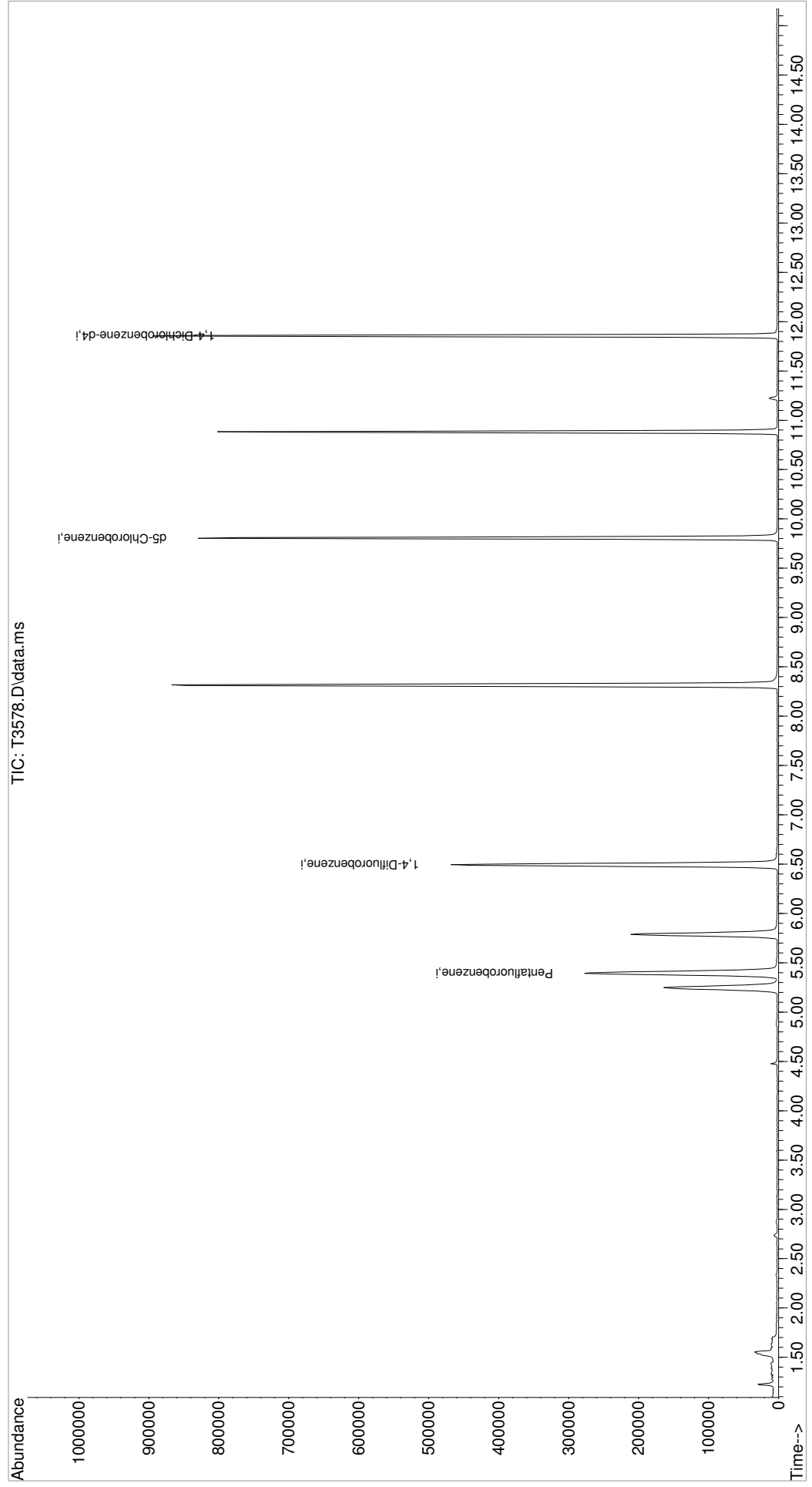
Internal Standards						
1) Pentafluorobenzene	5.391	168	255855	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	403657	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	357217	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	174597	50.00	ug/L	0.00

Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3578.D
Acq On : 29 Nov 2020 7:21 pm
Operator : F.NAEGLER
Sample : R2011094-008|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 24 Sample Multiplier: 1
Inst : MSV0A10

Quant Time: Nov 30 08:06:52 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3578.D
 Acq On : 29 Nov 2020 7:21 pm
 Operator : F.NAEGLER
 Sample : R2011094-008|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:44:36 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

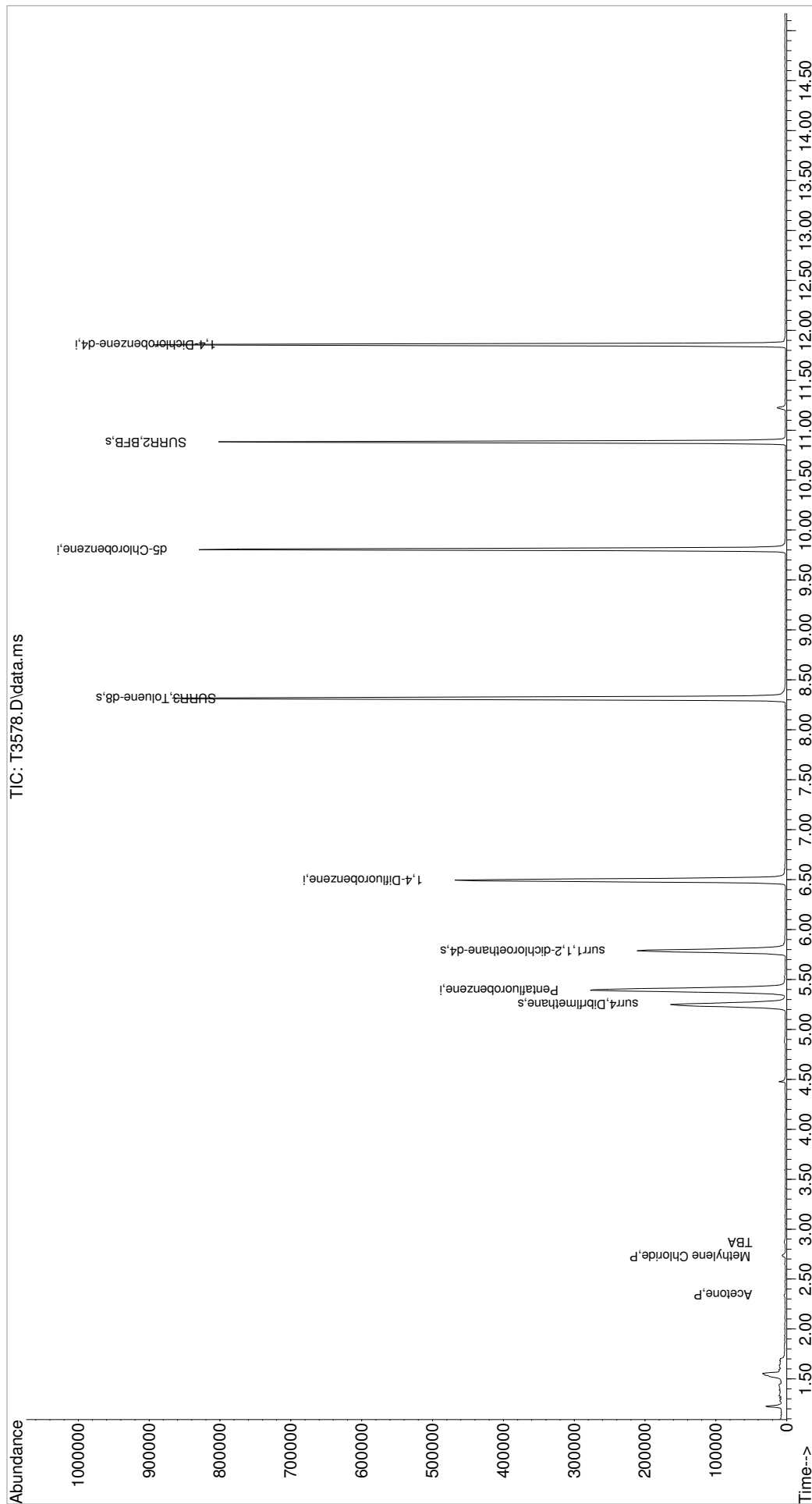
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

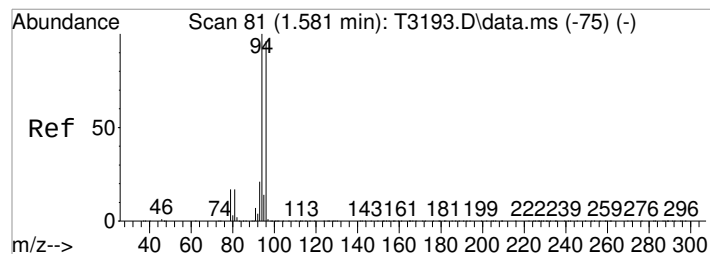
Internal Standards						
1) Pentafluorobenzene	5.391	168	255855	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	403657	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	357217	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	174597	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	136507	54.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 108.28%			
46) surr1,1,2-dichloroetha...	5.787	65	177938	54.67	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.34%			
64) SURR3,Toluene-d8	8.317	98	538104	54.81	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 109.62%			
69) SURR2,BFB	10.884	95	194295	51.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.94%			
Target Compounds						
5) Bromomethane	1.587	94	329	Below Cal	Qvalue #	33
15) Acetone	2.343	43	1175	0.75 ug/L		75
22) Methylene Chloride	2.727	84	1750	0.67 ug/L	#	79
23) TBA	2.873	59	1178m	2.24 ug/L		
38) Tetrahydrofuran	4.873	42	1415	Below Cal		74

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3578.D
 Acq On : 29 Nov 2020 7:21 pm
 Operator : F.NAEGLER
 Sample : R2011094-008|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 24 Sample Multiplier: 1
 Inst : MSV0A10

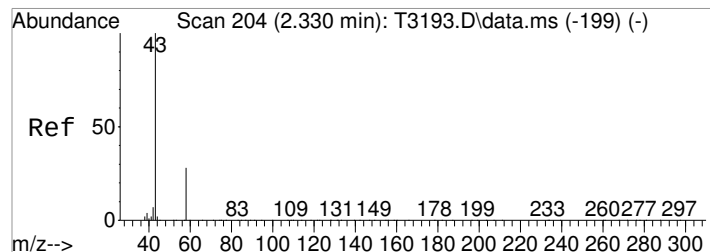
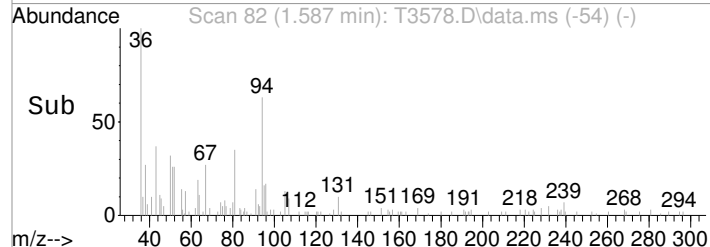
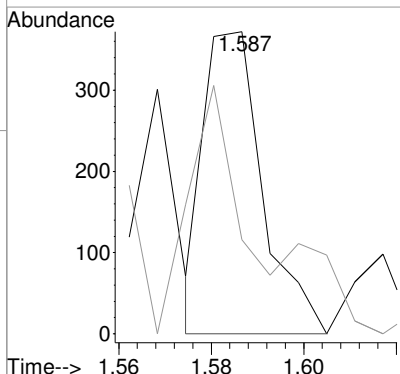
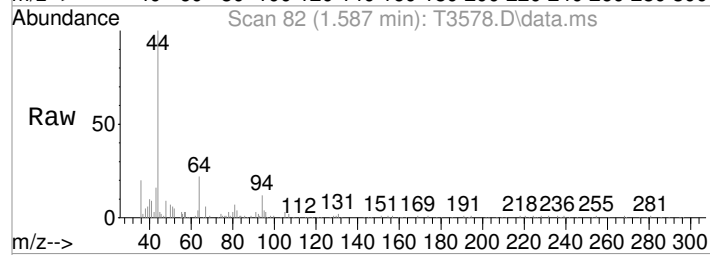
Quant Time: Dec 03 13:44:36 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 Qlast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





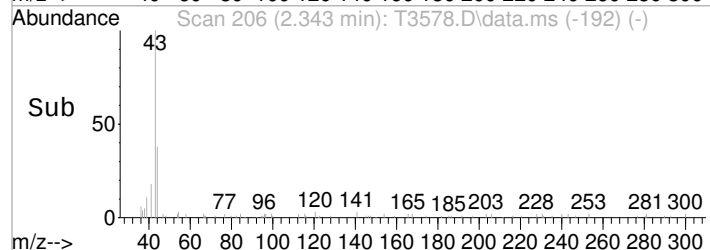
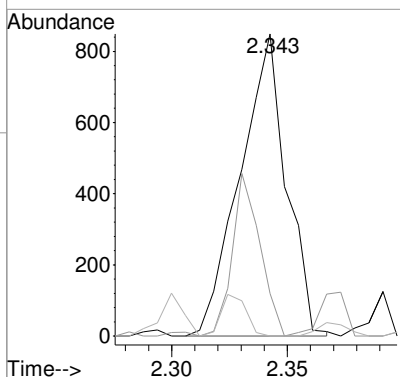
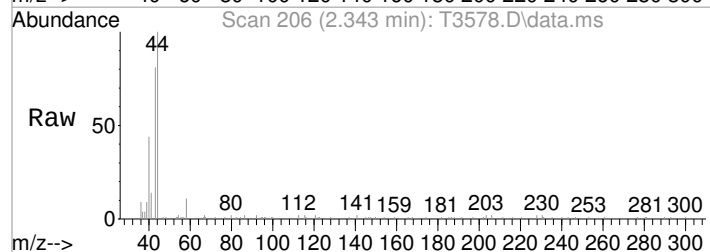
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: T3578.D
 Acq: 29 Nov 2020 7:21 pm

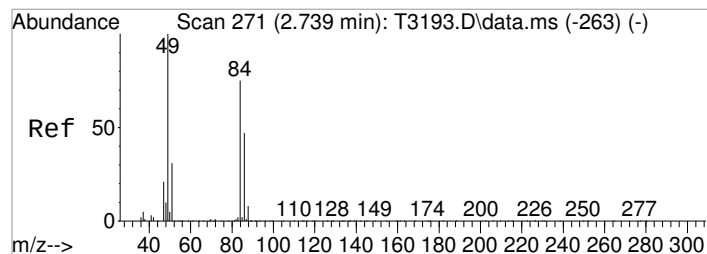
Tgt Ion: 94 Resp: 329
 Ion Ratio Lower Upper
 94 100
 96 31.2 76.3 116.3#



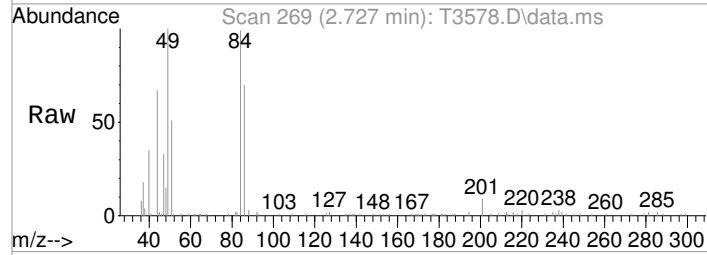
#15
 Acetone
 Concen: 0.75 ug/L
 RT: 2.343 min Scan# 206
 Delta R.T. 0.012 min
 Lab File: T3578.D
 Acq: 29 Nov 2020 7:21 pm

Tgt Ion: 43 Resp: 1175
 Ion Ratio Lower Upper
 43 100
 58 14.1 7.8 47.8
 42 0.0 0.0 27.2

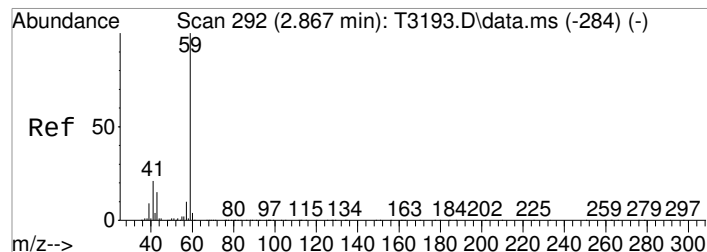
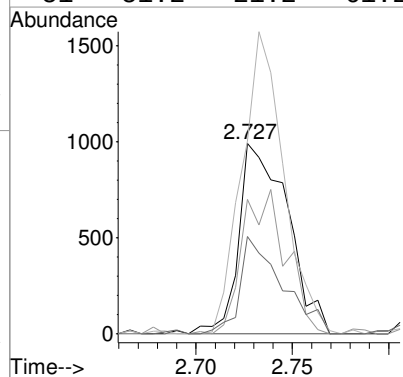
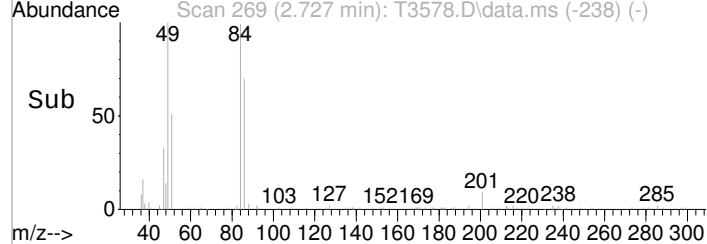




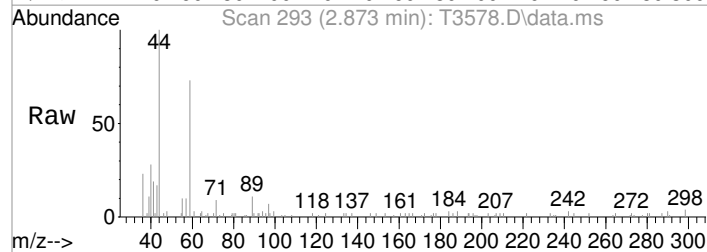
#22
 Methylene Chloride
 Concen: 0.67 ug/L
 RT: 2.727 min Scan# 269
 Delta R.T. -0.012 min
 Lab File: T3578.D
 Acq: 29 Nov 2020 7:21 pm



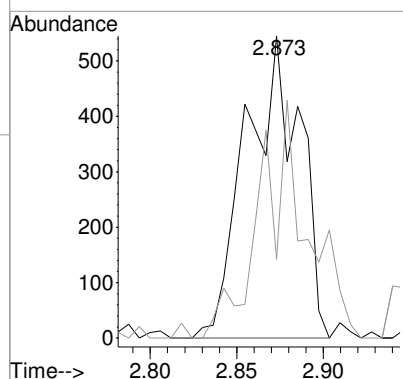
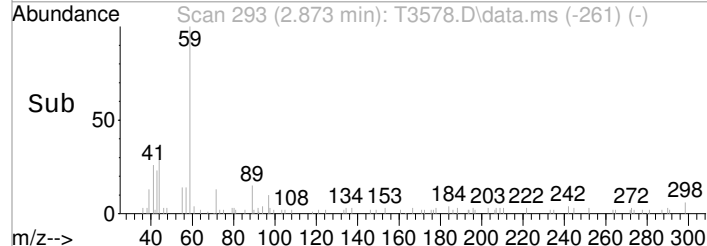
Tgt Ion: 84 Resp: 1750
 Ion Ratio Lower Upper
 84 100
 86 70.5 42.9 82.9
 49 101.2 113.2 153.2#
 51 51.2 21.2 61.2

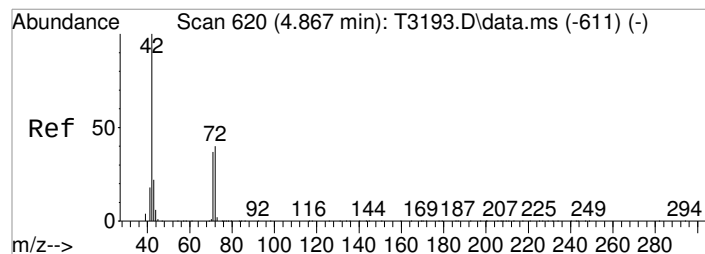


#23
 TBA
 Concen: 2.24 ug/L m
 RT: 2.873 min Scan# 293
 Delta R.T. 0.006 min
 Lab File: T3578.D
 Acq: 29 Nov 2020 7:21 pm

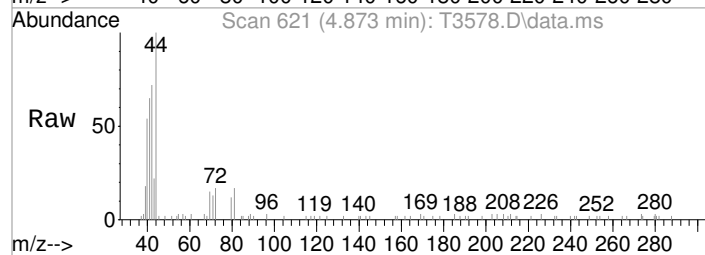


Tgt Ion: 59 Resp: 1178
 Ion Ratio Lower Upper
 59 100
 41 26.1 1.4 41.4

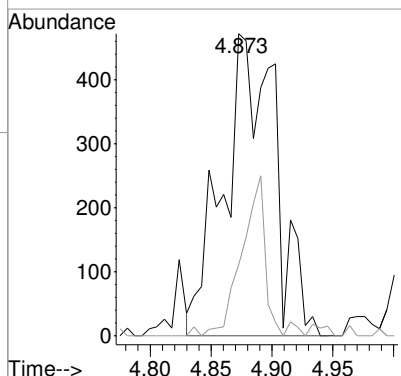
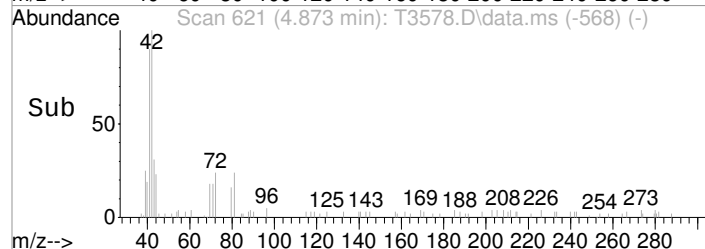




#38
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.873 min Scan# 621
 Delta R.T. 0.007 min
 Lab File: T3578.D
 Acq: 29 Nov 2020 7:21 pm



Tgt Ion: 42 Resp: 1415
 Ion Ratio Lower Upper
 42 100
 72 23.5 19.8 59.8



Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3579.D
Acq On : 29 Nov 2020 7:43 pm
Operator : F.NAEGLER
Sample : R2011094-009|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:07:01 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.391	168	255329	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	399085	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	355199	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	178574	50.00	ug/L	0.00

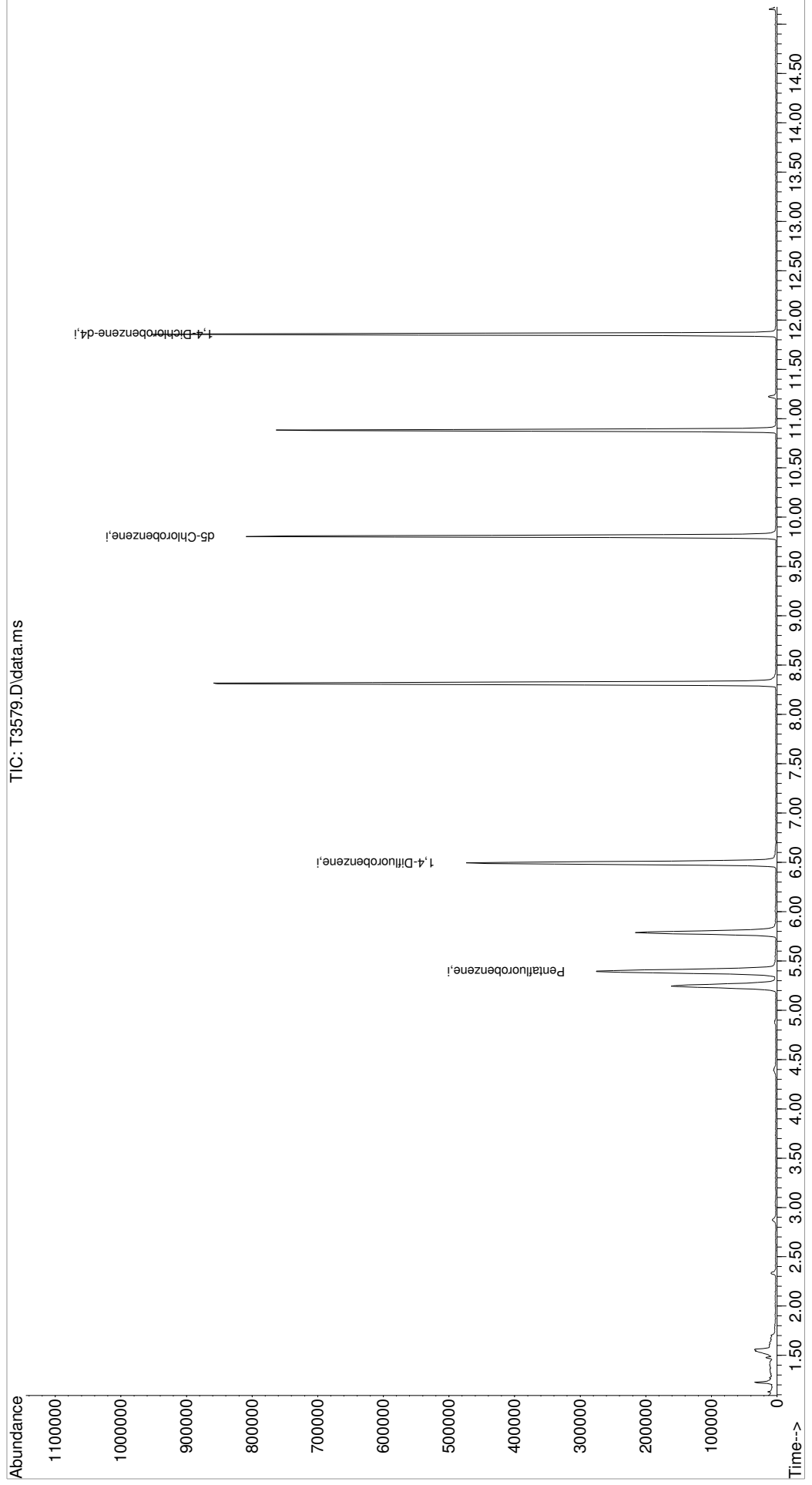
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3579.D
 Acq On : 29 Nov 2020 7:43 pm
 Operator : F.NAEGLER
 Sample : R2011094-009|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 25 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Nov 30 08:07:01 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3579.D
 Acq On : 29 Nov 2020 7:43 pm
 Operator : F.NAEGLER
 Sample : R2011094-009|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:46:11 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

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

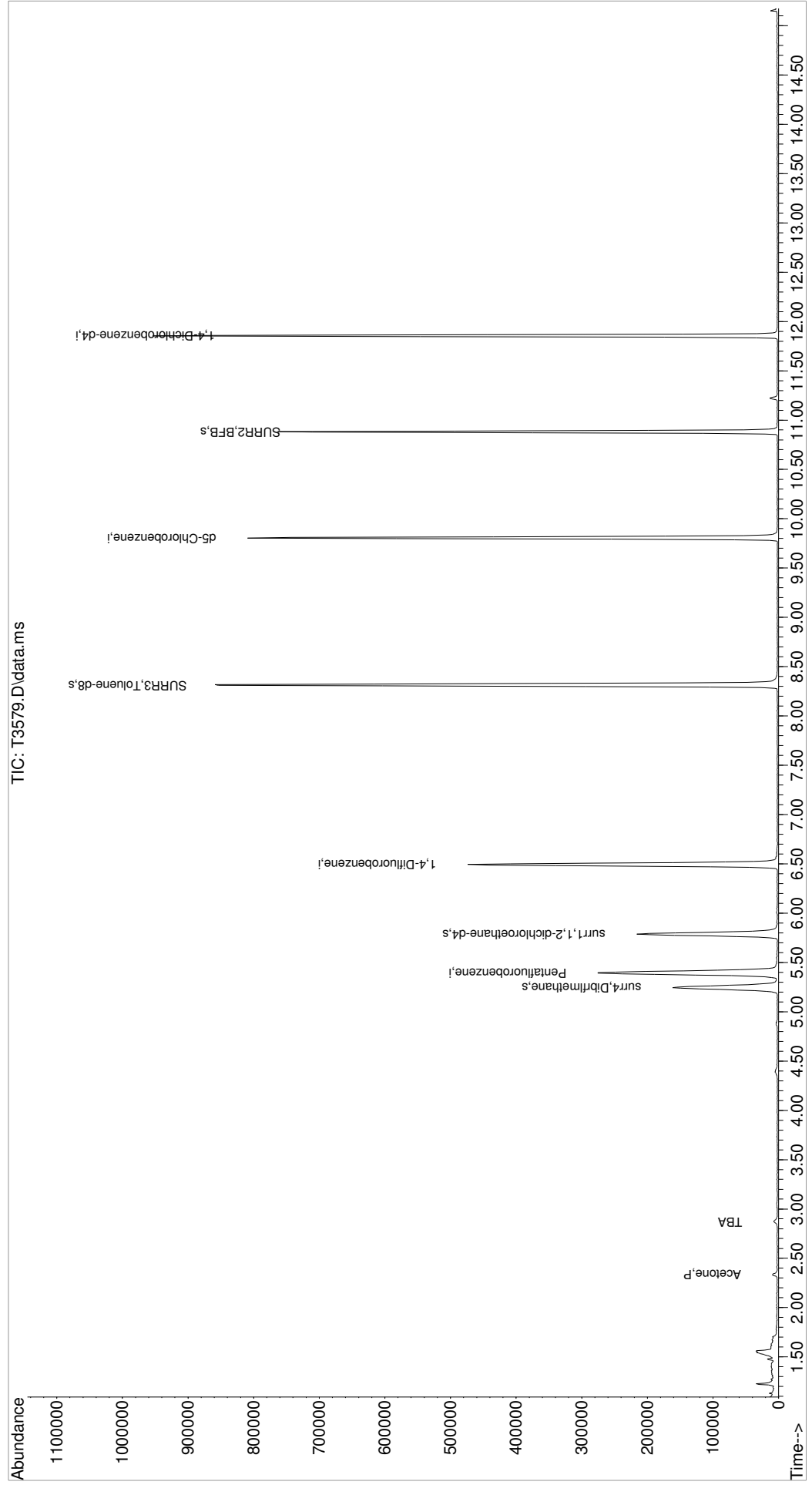
Internal Standards						
1) Pentafluorobenzene	5.391	168	255329	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	399085	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	355199	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	178488	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	130812	52.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.96%			
46) surr1,1,2-dichloroetha...	5.787	65	183091	56.90	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 113.80%			
64) SURR3,Toluene-d8	8.311	98	531638	54.78	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 109.56%			
69) SURR2,BFB	10.878	95	192152	51.49	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.98%			
Target Compounds						
5) Bromomethane	1.574	94	342	Below Cal	Qvalue #	15
15) Acetone	2.337	43	8013	5.15 ug/L		94
23) TBA	2.873	59	4421	8.43 ug/L		89
38) Tetrahydrofuran	4.879	42	1586	Below Cal		77

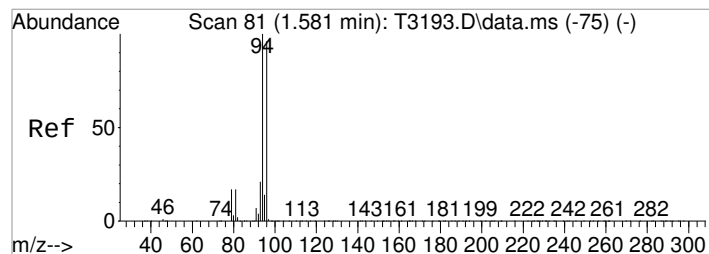
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3579.D
 Acq On : 29 Nov 2020 7:43 pm
 Operator : F.NAEGLER
 Sample : R2011094-009|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 25 Sample Multiplier: 1

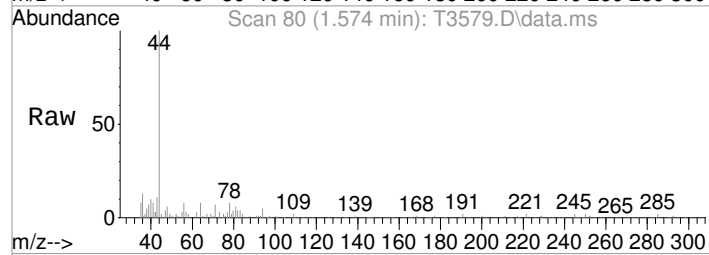
Inst : MSVOA10

Quant Time: Dec 03 13:46:11 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 Qlast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

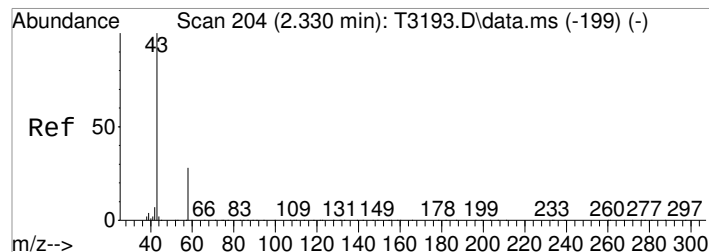
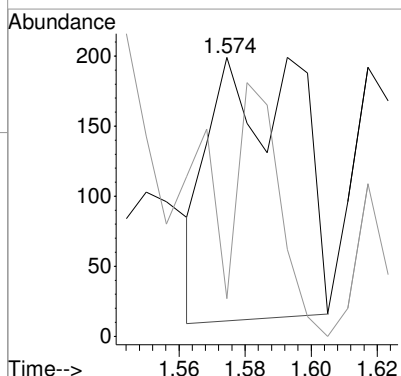
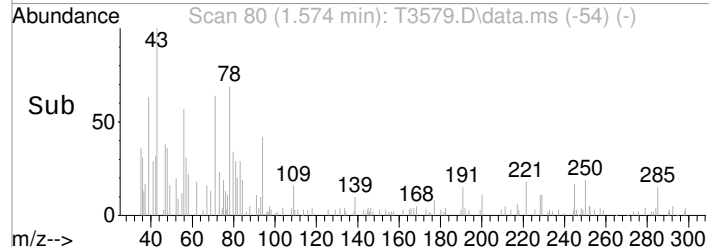




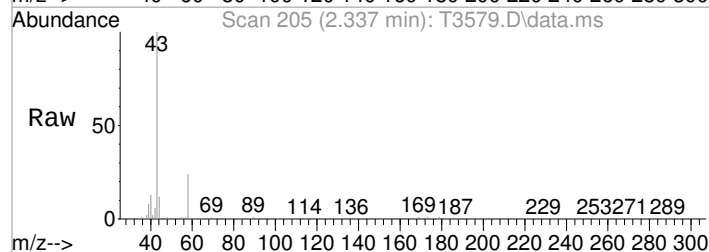
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.574 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: T3579.D
 Acq: 29 Nov 2020 7:43 pm



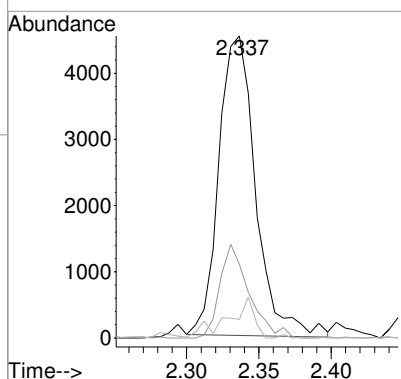
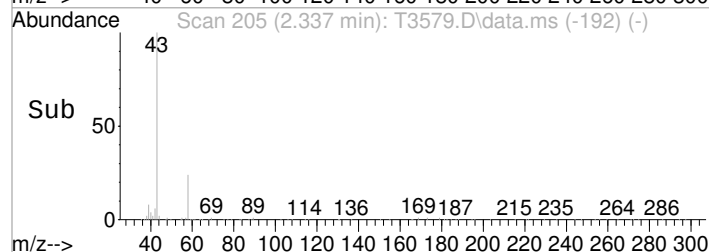
Tgt Ion: 94 Resp: 342
 Ion Ratio Lower Upper
 94 100
 96 13.6 76.3 116.3#

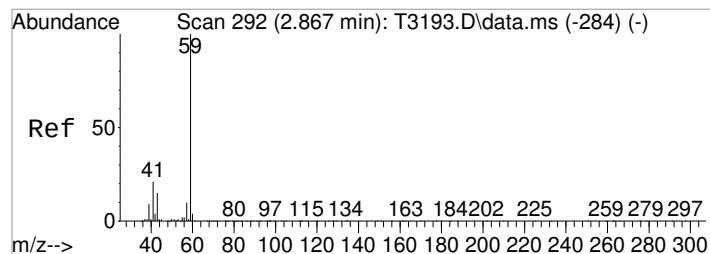


#15
 Acetone
 Concen: 5.15 ug/L
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3579.D
 Acq: 29 Nov 2020 7:43 pm

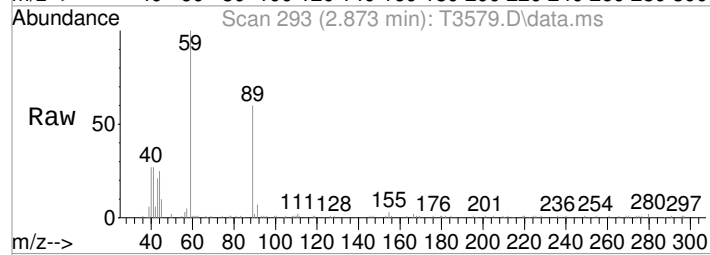


Tgt Ion: 43 Resp: 8013
 Ion Ratio Lower Upper
 43 100
 58 24.5 7.8 47.8
 42 6.1 0.0 27.2

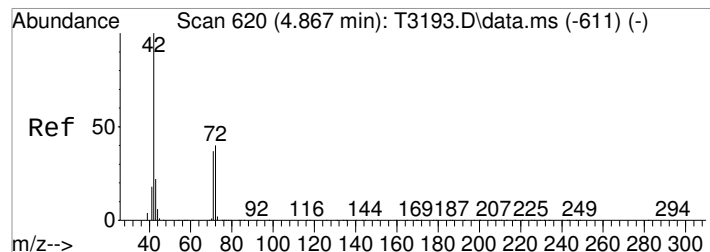
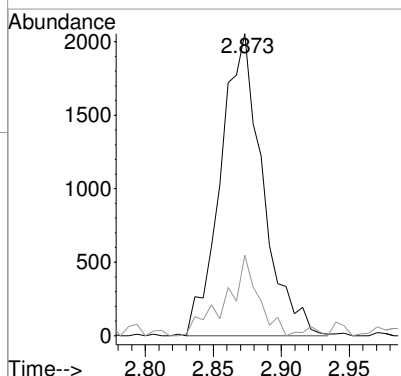
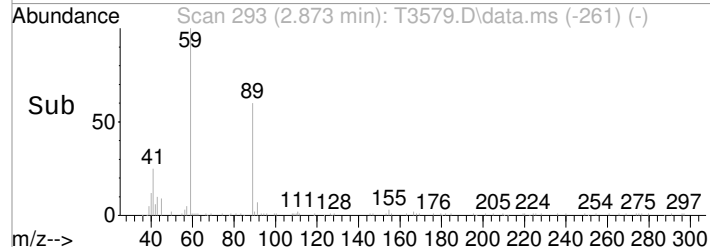




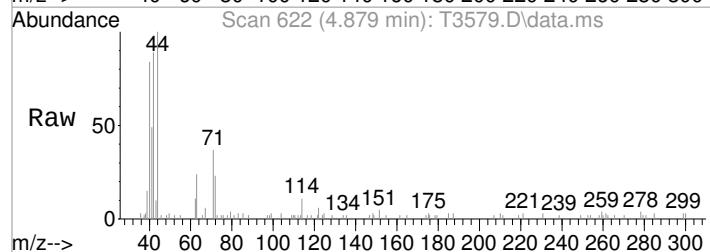
#23
 TBA
 Concen: 8.43 ug/L
 RT: 2.873 min Scan# 293
 Delta R.T. 0.006 min
 Lab File: T3579.D
 Acq: 29 Nov 2020 7:43 pm



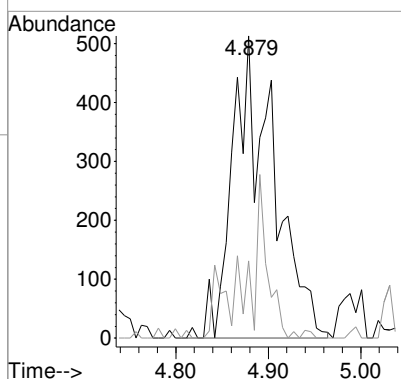
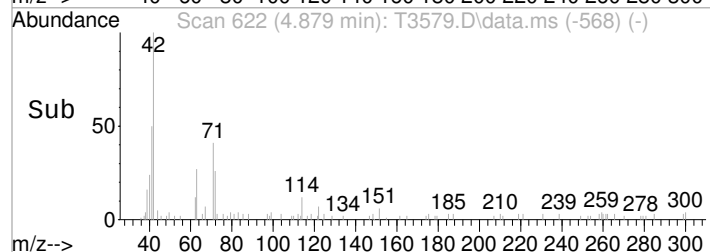
Tgt Ion: 59 Resp: 4421
 Ion Ratio Lower Upper
 59 100
 41 26.7 1.4 41.4



#38
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.879 min Scan# 622
 Delta R.T. 0.013 min
 Lab File: T3579.D
 Acq: 29 Nov 2020 7:43 pm



Tgt Ion: 42 Resp: 1586
 Ion Ratio Lower Upper
 42 100
 72 25.5 19.8 59.8



Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3580.D
Acq On : 29 Nov 2020 8:05 pm
Operator : F.NAEGLER
Sample : R2011094-010|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:07:11 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	274045	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	421533	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	371073	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	178160	50.00	ug/L	0.00

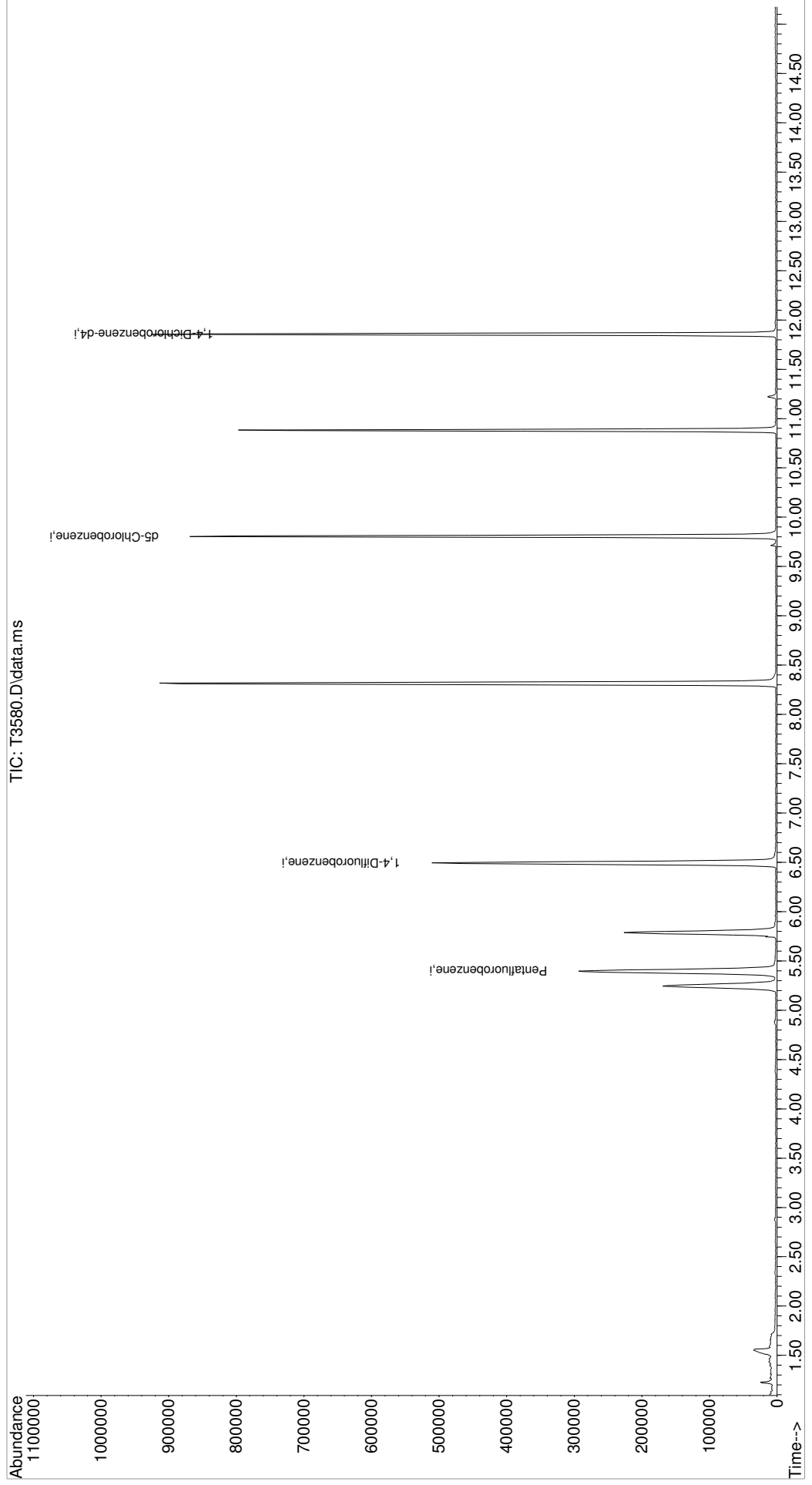
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3580.D
 Acq On : 29 Nov 2020 8:05 pm
 Operator : F.NAEGLER
 Sample : R2011094-010|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 26 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Nov 30 08:07:11 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 Qlast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3580.D
 Acq On : 29 Nov 2020 8:05 pm
 Operator : F.NAEGLER
 Sample : R2011094-010|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:48:35 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

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

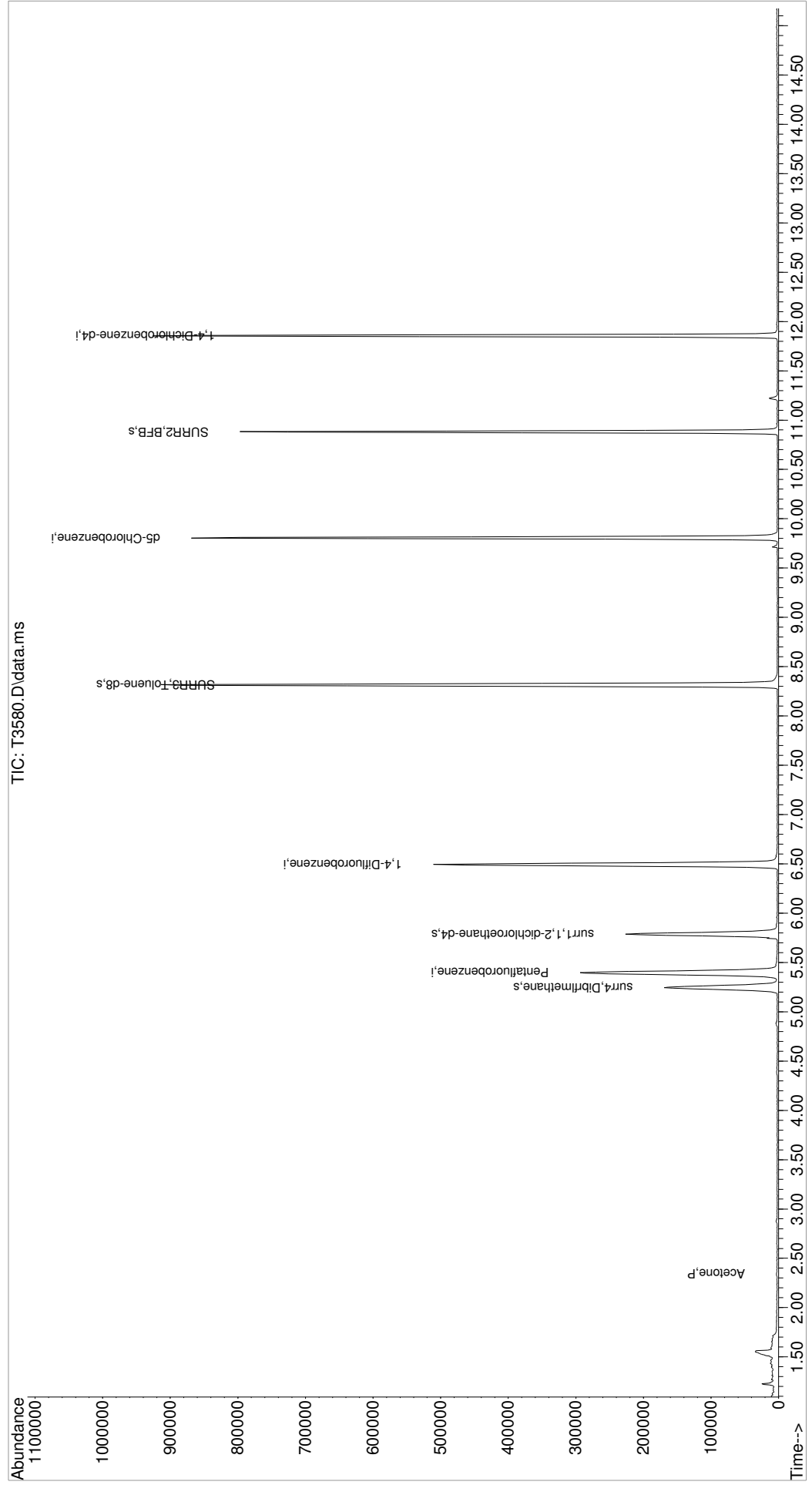
Internal Standards						
1) Pentafluorobenzene	5.397	168	274045	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	421533	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	371073	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	178160	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	137349	52.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.32%			
46) surr1,1,2-dichloroetha...	5.787	65	192933	56.76	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 113.52%			
64) SURR3,Toluene-d8	8.317	98	554984	54.14	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 108.28%			
69) SURR2,BFB	10.884	95	195042	49.48	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.96%			
Target Compounds						
5) Bromomethane	1.587	94	345	Below Cal	#	56
15) Acetone	2.343	43	998	0.60 ug/L	#	83
38) Tetrahydrofuran	4.885	42	1279	Below Cal		71

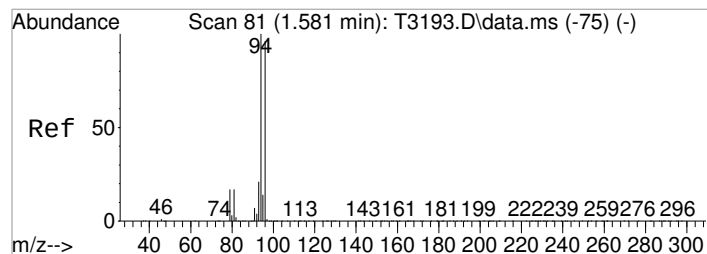
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3580.D
 Acq On : 29 Nov 2020 8:05 pm
 Operator : F.NAEGLER
 Sample : R2011094-010|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 26 Sample Multiplier: 1

Inst : MSV0A10

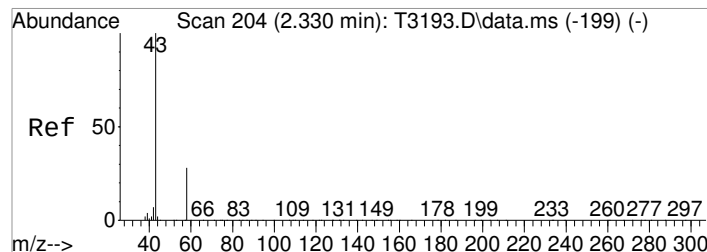
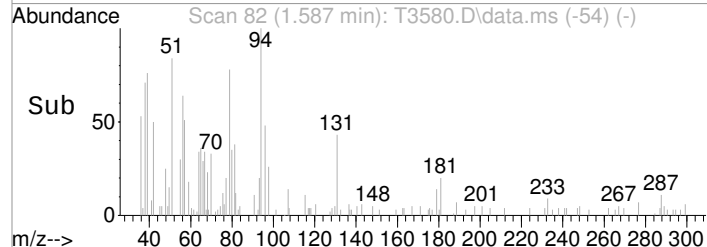
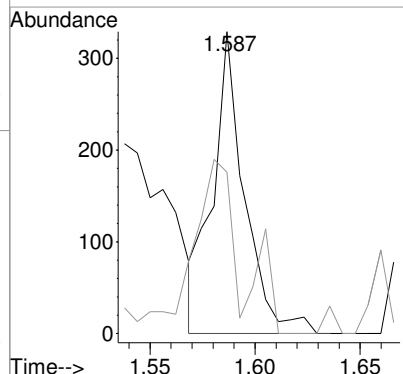
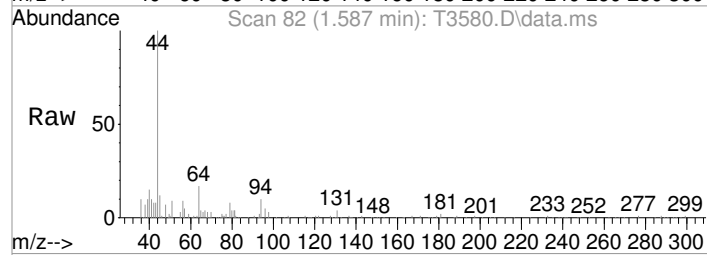
Quant Time: Dec 03 13:48:35 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





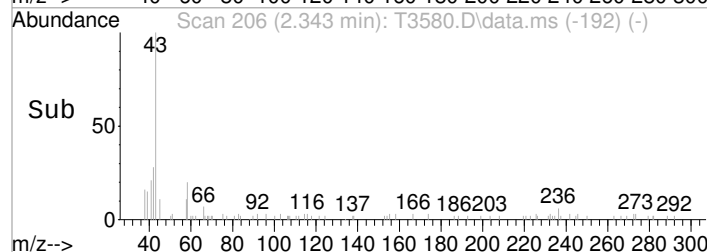
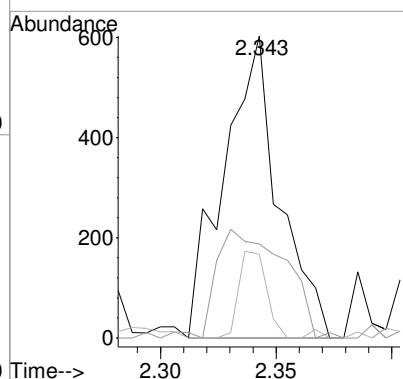
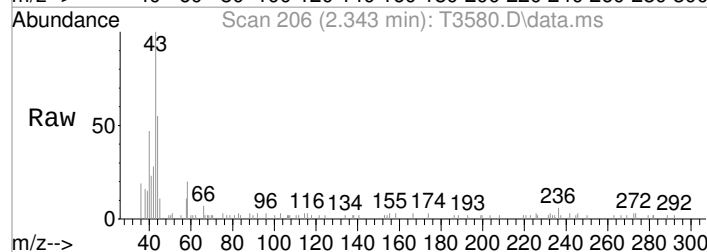
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.007 min
 Lab File: T3580.D
 Acq: 29 Nov 2020 8:05 pm

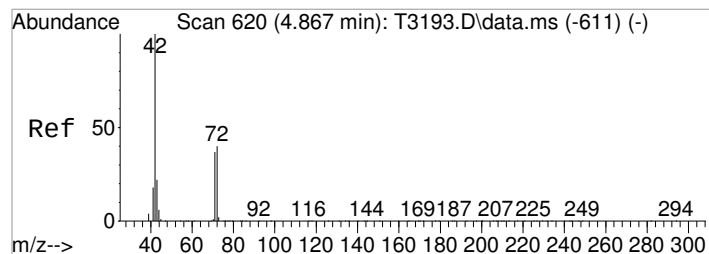
Tgt Ion: 94 Resp: 345
 Ion Ratio Lower Upper
 94 100
 96 53.5 76.3 116.3#



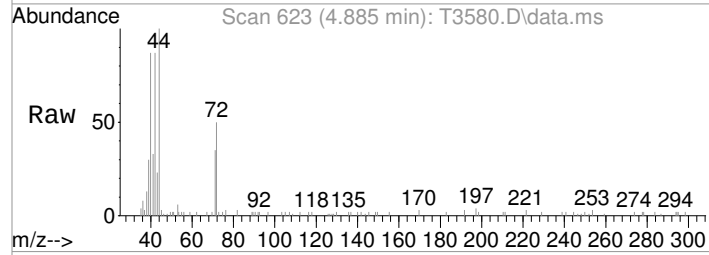
#15
 Acetone
 Concen: 0.60 ug/L
 RT: 2.343 min Scan# 206
 Delta R.T. 0.012 min
 Lab File: T3580.D
 Acq: 29 Nov 2020 8:05 pm

Tgt Ion: 43 Resp: 998
 Ion Ratio Lower Upper
 43 100
 58 31.2 7.8 47.8
 42 27.7 0.0 27.2#

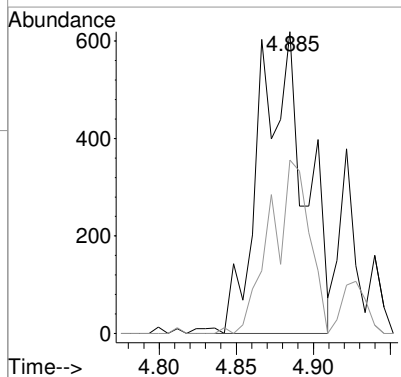
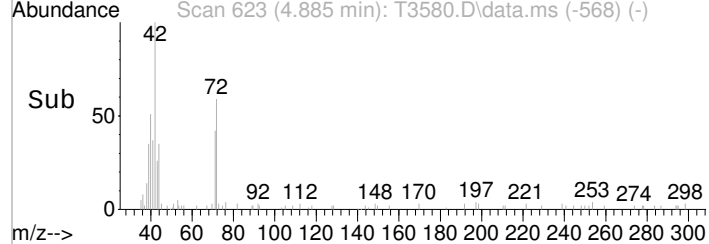




#38
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.885 min Scan# 623
 Delta R.T. 0.019 min
 Lab File: T3580.D
 Acq: 29 Nov 2020 8:05 pm



Tgt Ion: 42 Resp: 1279
 Ion Ratio Lower Upper
 42 100
 72 57.5 19.8 59.8



Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3570.D
Acq On : 29 Nov 2020 4:26 pm
Operator : F.NAEGLER
Sample : R2011094-011|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:05:44 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	266595	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	421608	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	370801	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	179040	50.00	ug/L	0.00

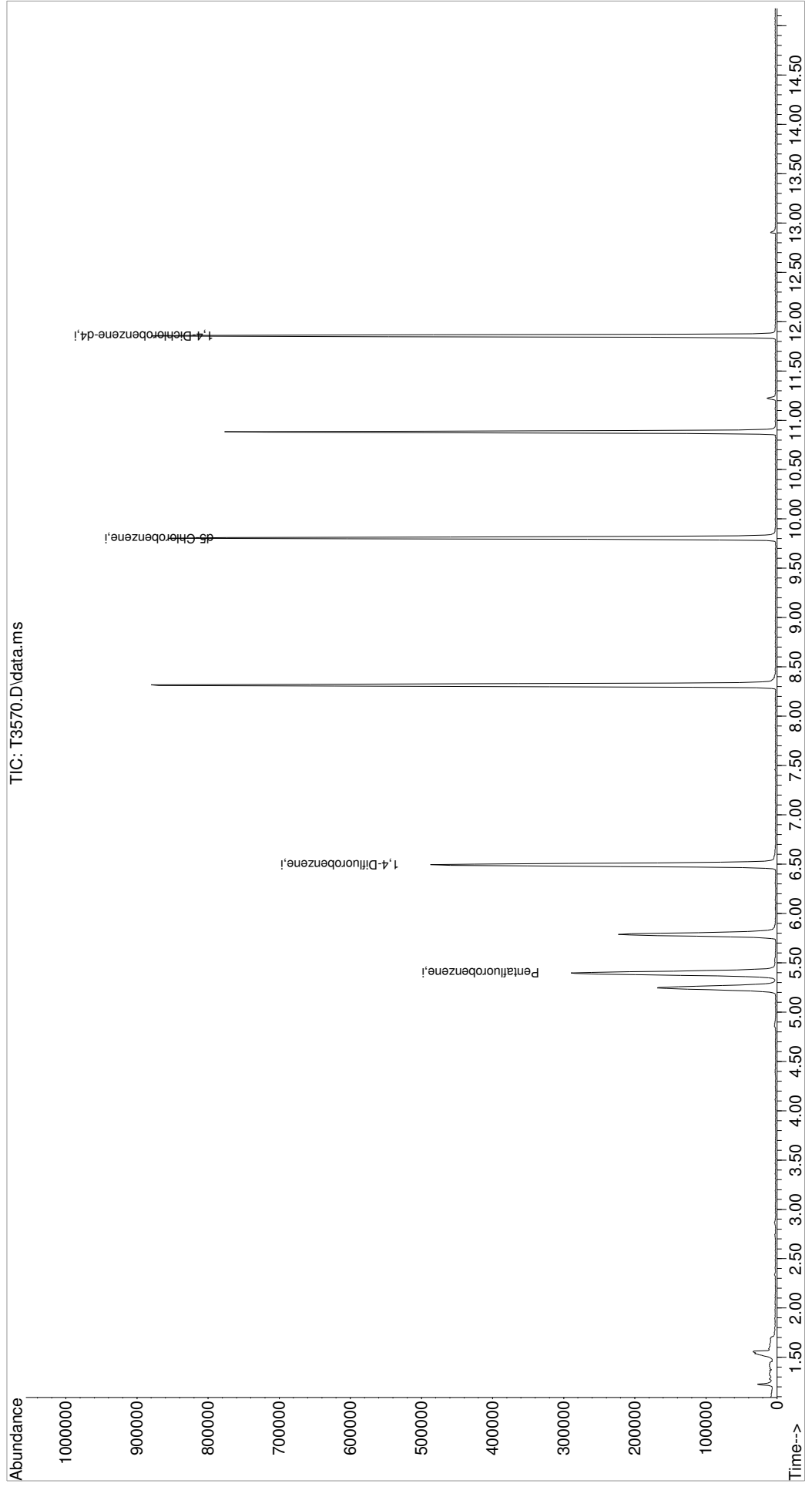
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3570.D
 Acq On : 29 Nov 2020 4:26 pm
 Operator : F.NAEGLER
 Sample : R2011094-0111|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Nov 30 08:05:44 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 Qlast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3570.D
 Acq On : 29 Nov 2020 4:26 pm
 Operator : F.NAEGLER
 Sample : R2011094-011|1.0
 Misc : ROCTERRA 23061 T4
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:31:58 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

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

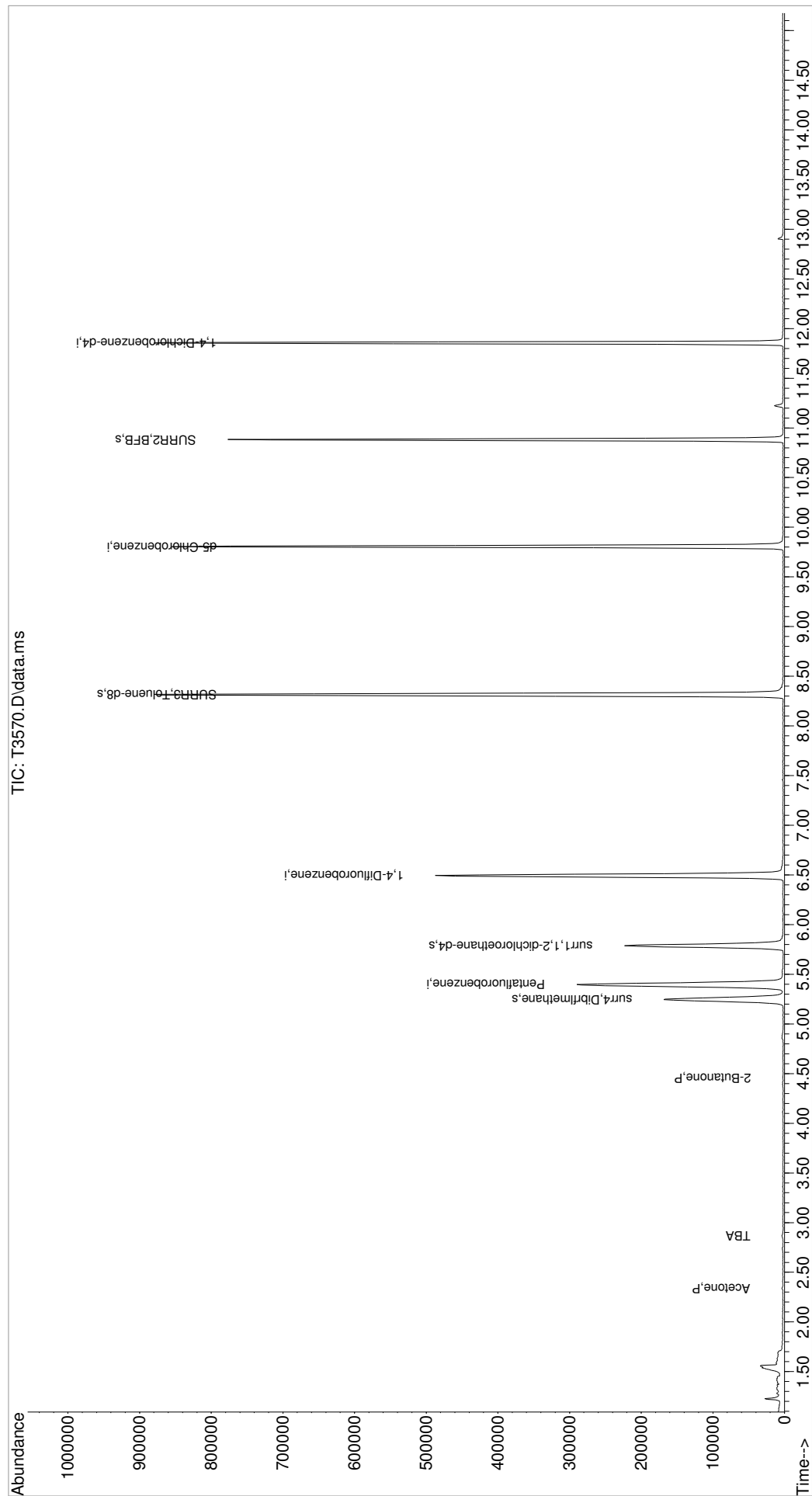
Internal Standards						
1) Pentafluorobenzene	5.397	168	266595	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	421608	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	370801	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	179040	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	138901	52.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 105.48%			
46) surr1,1,2-dichloroetha...	5.787	65	189203	55.66	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 111.32%			
64) SURR3,Toluene-d8	8.317	98	553321	53.96	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 107.92%			
69) SURR2,BFB	10.884	95	195672	49.63	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.26%			
Target Compounds						
5) Bromomethane	1.544	94	434	Below Cal	Qvalue #	19
15) Acetone	2.337	43	942	0.58 ug/L		79
23) TBA	2.873	59	859	1.57 ug/L		88
34) 2-Butanone	4.452	43	686	0.31 ug/L		73
38) Tetrahydrofuran	4.867	42	1585m	Below Cal		

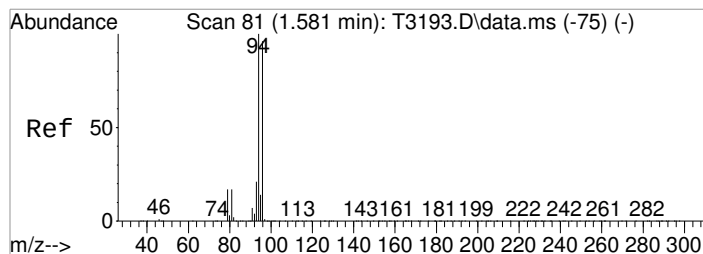
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3570.D
Acq On : 29 Nov 2020 4:26 pm
Operator : F.NAEGLER
Sample : R2011094-0111|1.0
Misc : ROCTERRA 23061 T4
ALS Vial : 16 Sample Multiplier: 1

Inst : MSV0A10

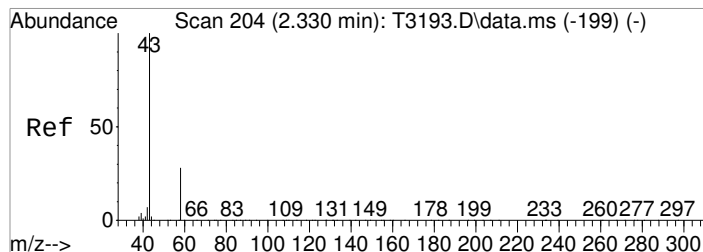
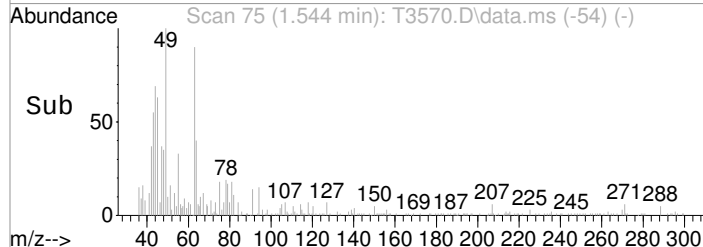
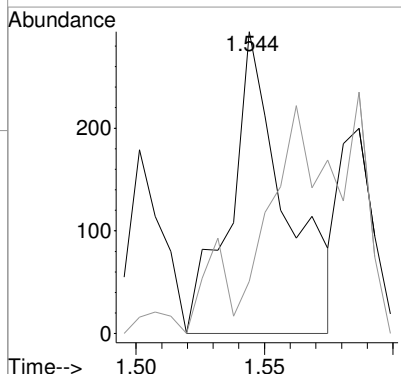
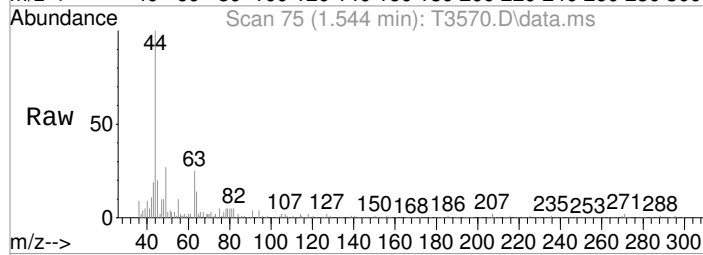
Quant Time: Dec 03 13:31:58 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration





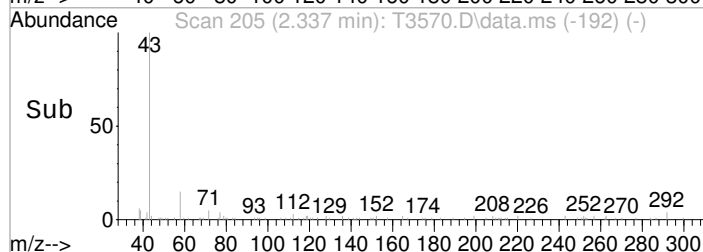
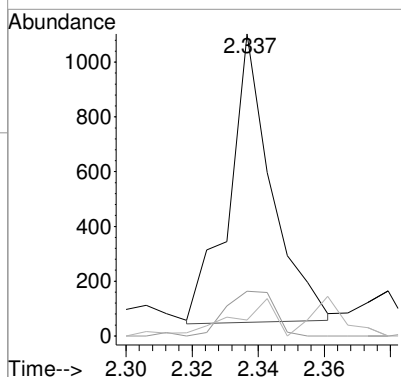
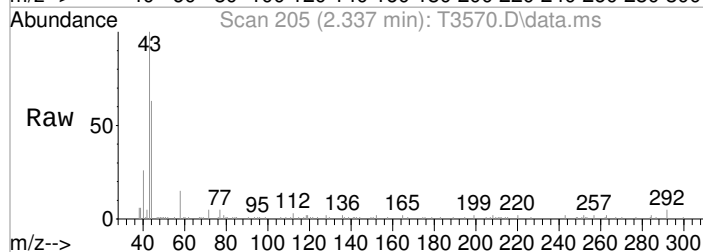
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.544 min Scan# 75
 Delta R.T. -0.036 min
 Lab File: T3570.D
 Acq: 29 Nov 2020 4:26 pm

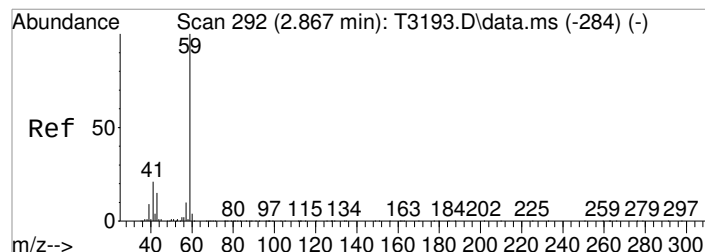
Tgt Ion: 94 Resp: 434
 Ion Ratio Lower Upper
 94 100
 96 17.3 76.3 116.3#



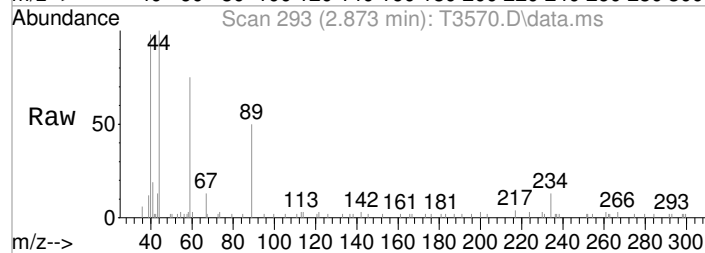
#15
 Acetone
 Concen: 0.58 ug/L
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3570.D
 Acq: 29 Nov 2020 4:26 pm

Tgt Ion: 43 Resp: 942
 Ion Ratio Lower Upper
 43 100
 58 14.8 7.8 47.8
 42 5.3 0.0 27.2

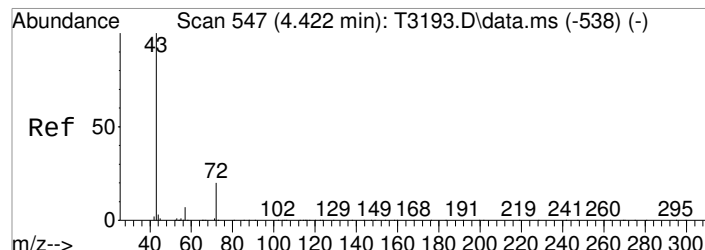
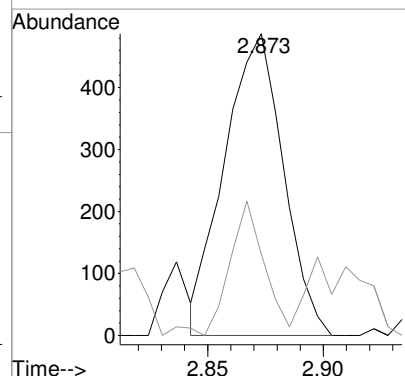
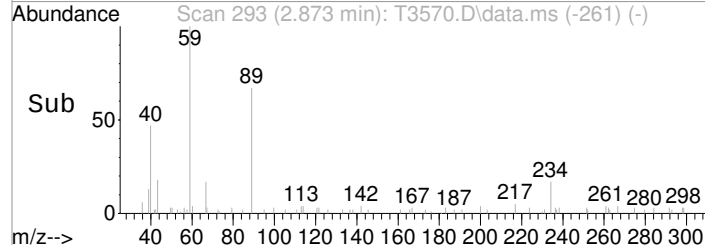




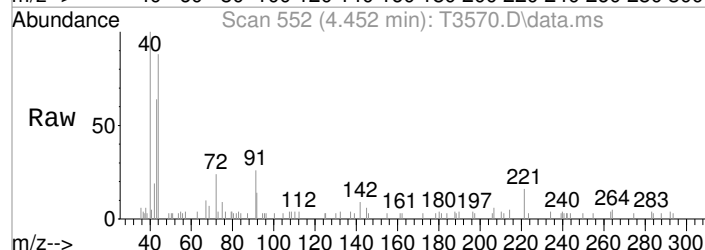
#23
 TBA
 Concen: 1.57 ug/L
 RT: 2.873 min Scan# 293
 Delta R.T. 0.006 min
 Lab File: T3570.D
 Acq: 29 Nov 2020 4:26 pm



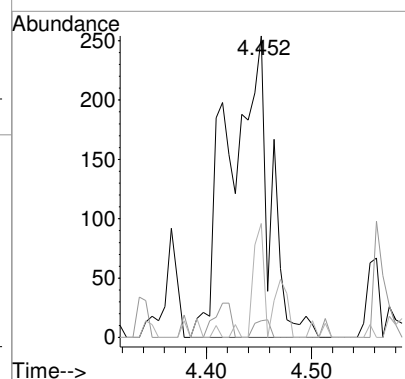
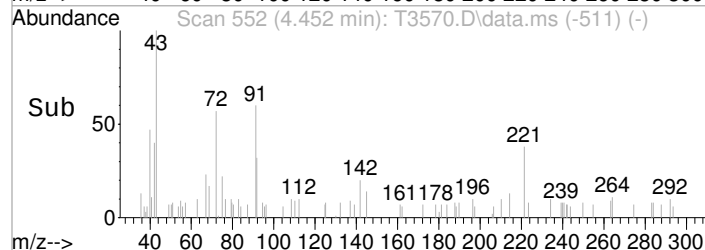
Tgt Ion: 59 Resp: 859
 Ion Ratio Lower Upper
 59 100
 41 26.9 1.4 41.4

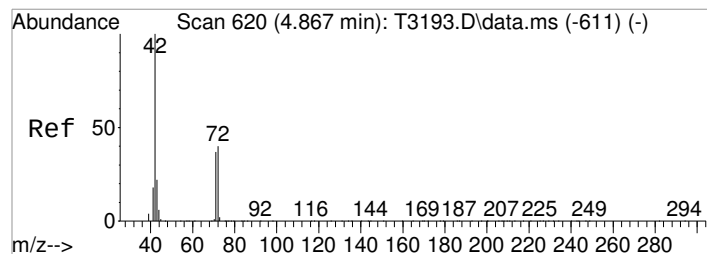


#34
 2-Butanone
 Concen: 0.31 ug/L
 RT: 4.452 min Scan# 552
 Delta R.T. 0.030 min
 Lab File: T3570.D
 Acq: 29 Nov 2020 4:26 pm



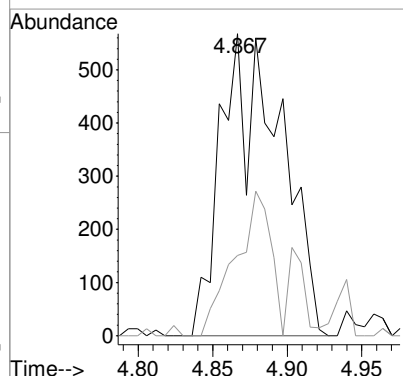
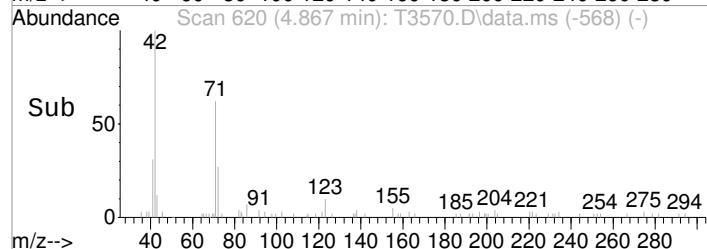
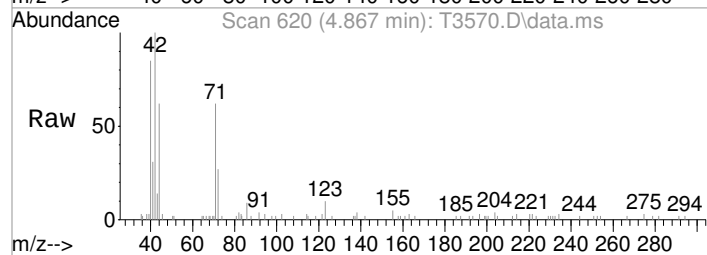
Tgt Ion: 43 Resp: 686
 Ion Ratio Lower Upper
 43 100
 57 5.5 0.0 27.7
 72 37.8 1.8 41.8





#38
 Tetrahydrofuran
 Concen: Below Cal m
 RT: 4.867 min Scan# 620
 Delta R.T. 0.001 min
 Lab File: T3570.D
 Acq: 29 Nov 2020 4:26 pm

Tgt Ion: 42 Resp: 1585
 Ion Ratio Lower Upper
 42 100
 72 26.6 19.8 59.8



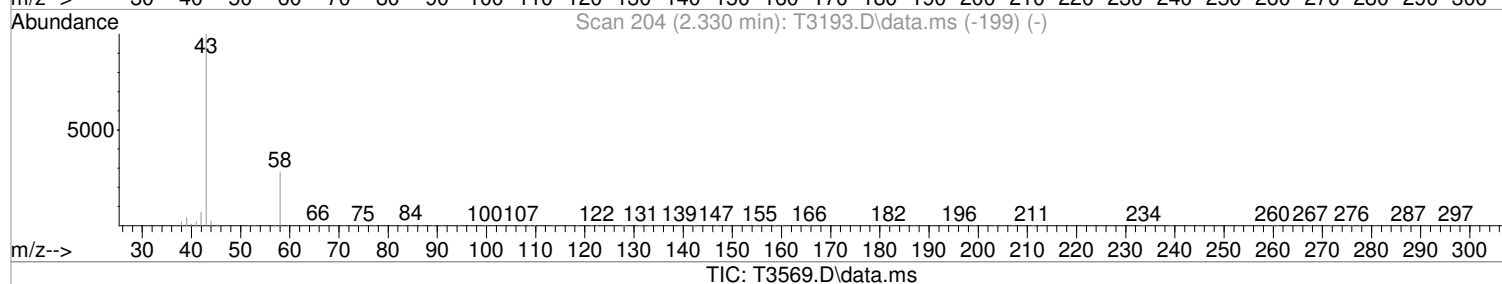
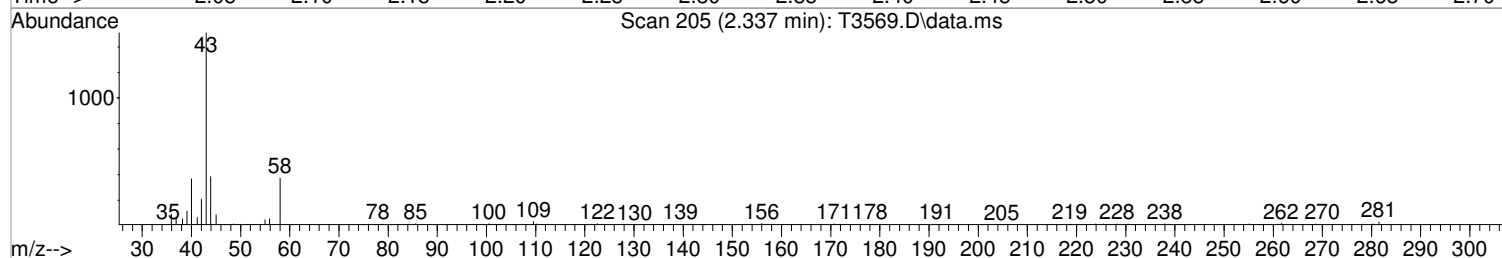
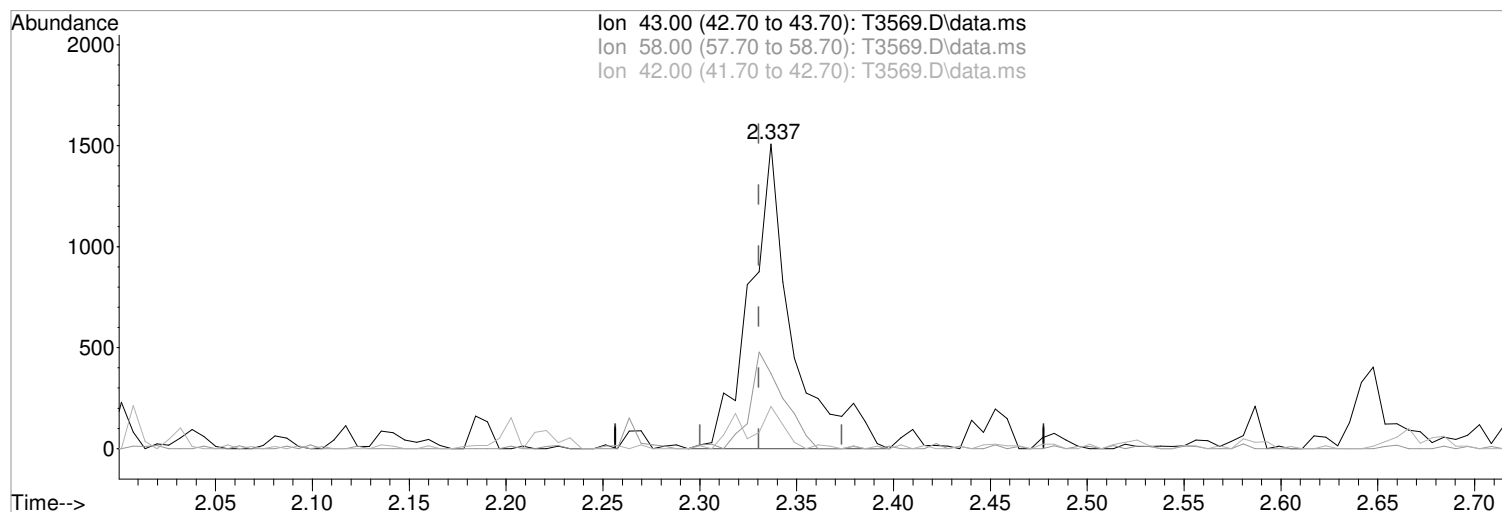
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3569.D
Acq On : 29 Nov 2020 4:04 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:02:35 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



(15) Acetone (P)
2.337min (+0.006) 1.39 ug/L m
response 2293

Ion	Exp%	Act%
43.00	100	100
58.00	27.80	24.65
42.00	7.20	13.85
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

12/03/20

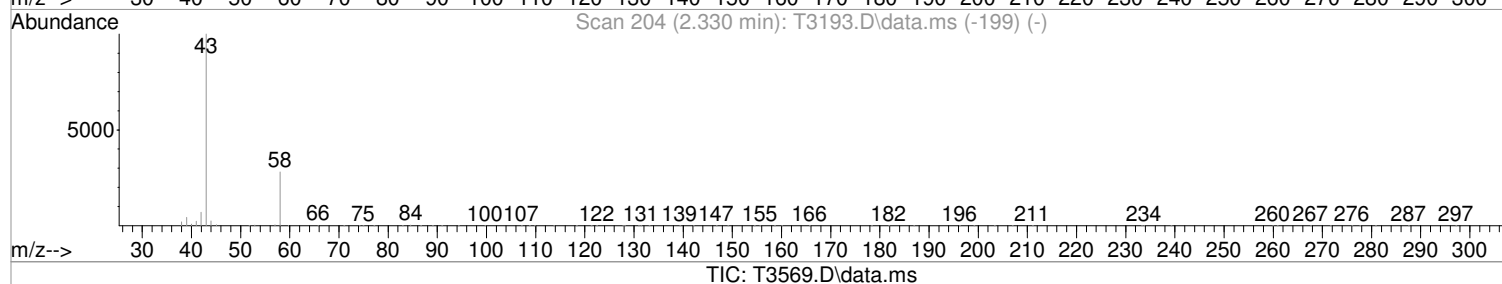
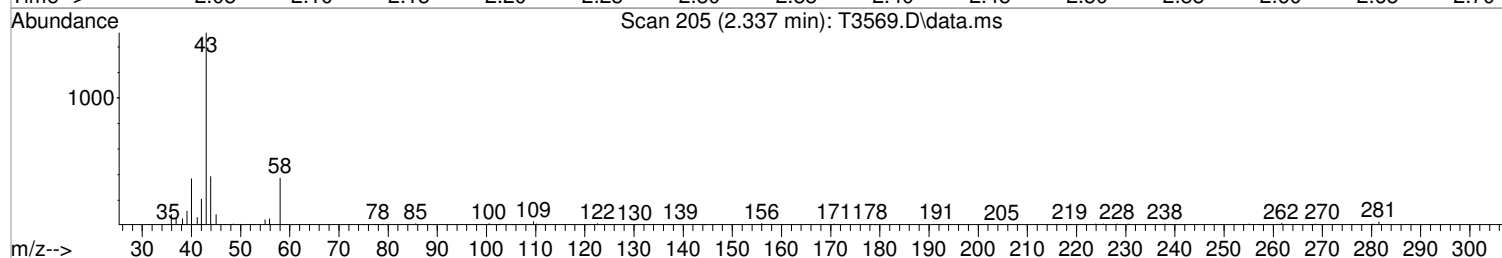
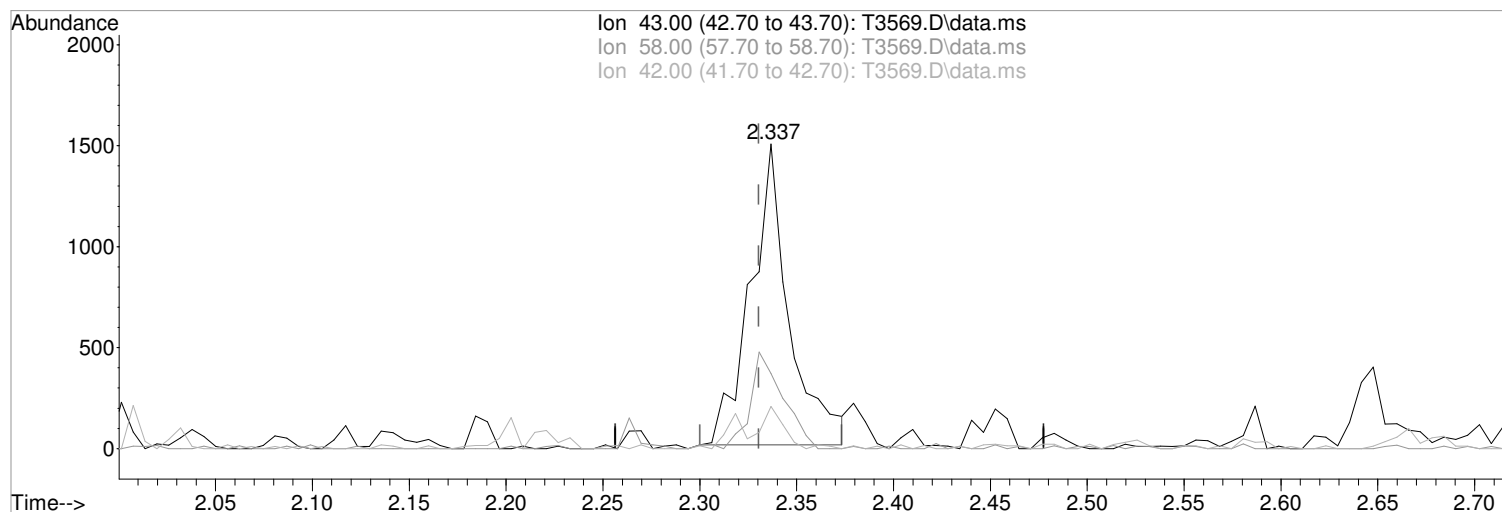
Quantitation Report (Qedit)

1st *FJ* 12/03/20
2nd *RL* 12/04/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3569.D
Acq On : 29 Nov 2020 4:04 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:02:35 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration



(15) Acetone (P)

Manual Integration:

2.337min (+0.006) 1.25 ug/L

Before

response 2063

Ion	Exp%	Act%
43.00	100	100
58.00	27.80	24.65
42.00	7.20	13.85
0.00	0.00	0.00

12/03/20

Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3569.D
Acq On : 29 Nov 2020 4:04 pm
Operator : F.NAEGLER
Sample : MBLK-FP
Misc :
ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 30 08:02:52 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

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

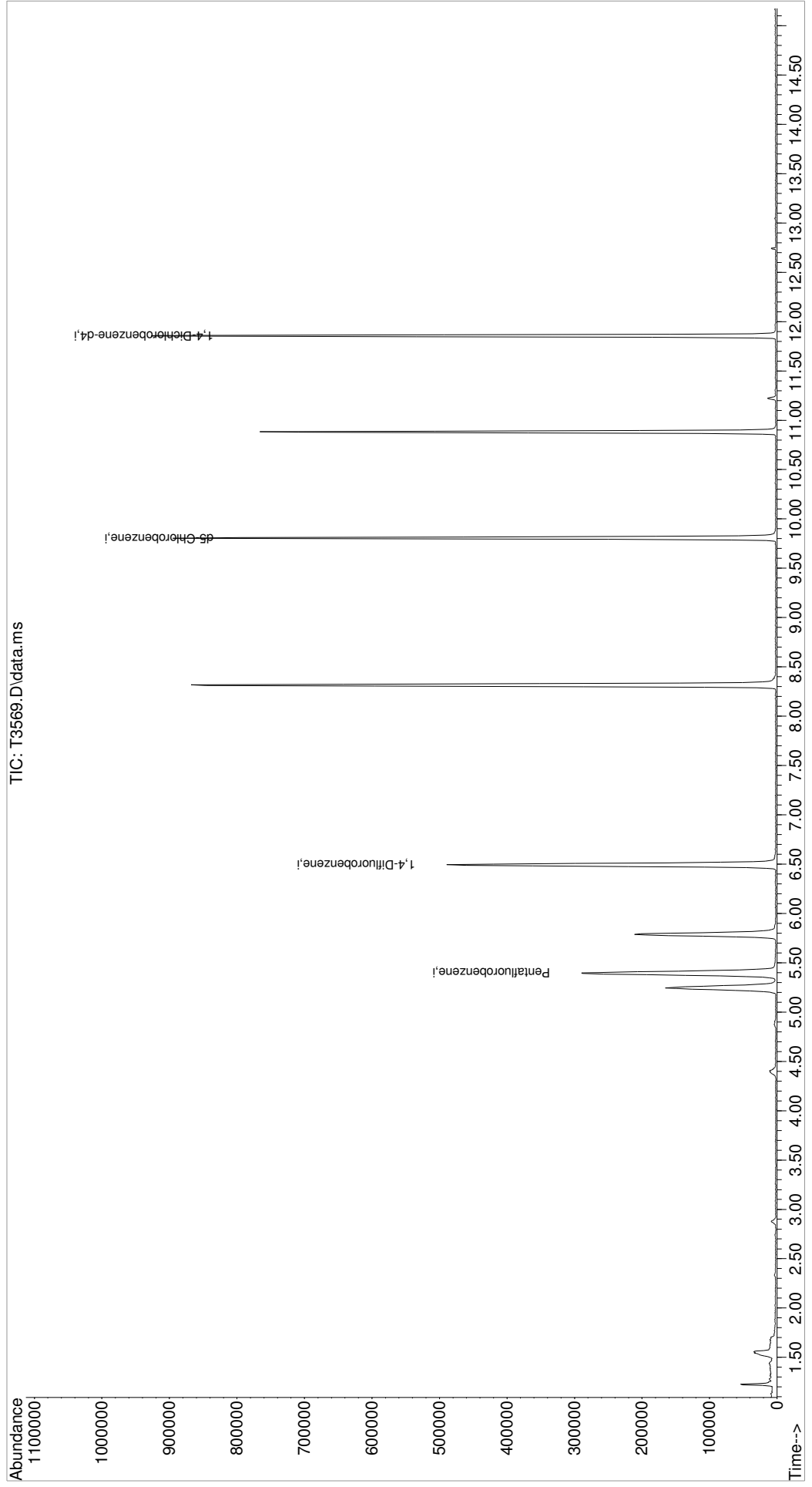
Internal Standards						
1) Pentafluorobenzene	5.397	168	270437	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	415607	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	372769	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	187945	50.00	ug/L	0.00

Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3569.D
 Acq On : 29 Nov 2020 4:04 pm
 Operator : F.NAEGLER
 Sample : MBLK-FP
 Misc :
 ALS Vial : 15 Sample Multiplier: 1
 Inst : MSV0A10

Quant Time: Nov 30 08:02:52 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 Qlast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3569.D
 Acq On : 29 Nov 2020 4:04 pm
 Operator : F.NAEGLER
 Sample : MBLK-FP
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Dec 03 13:26:23 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

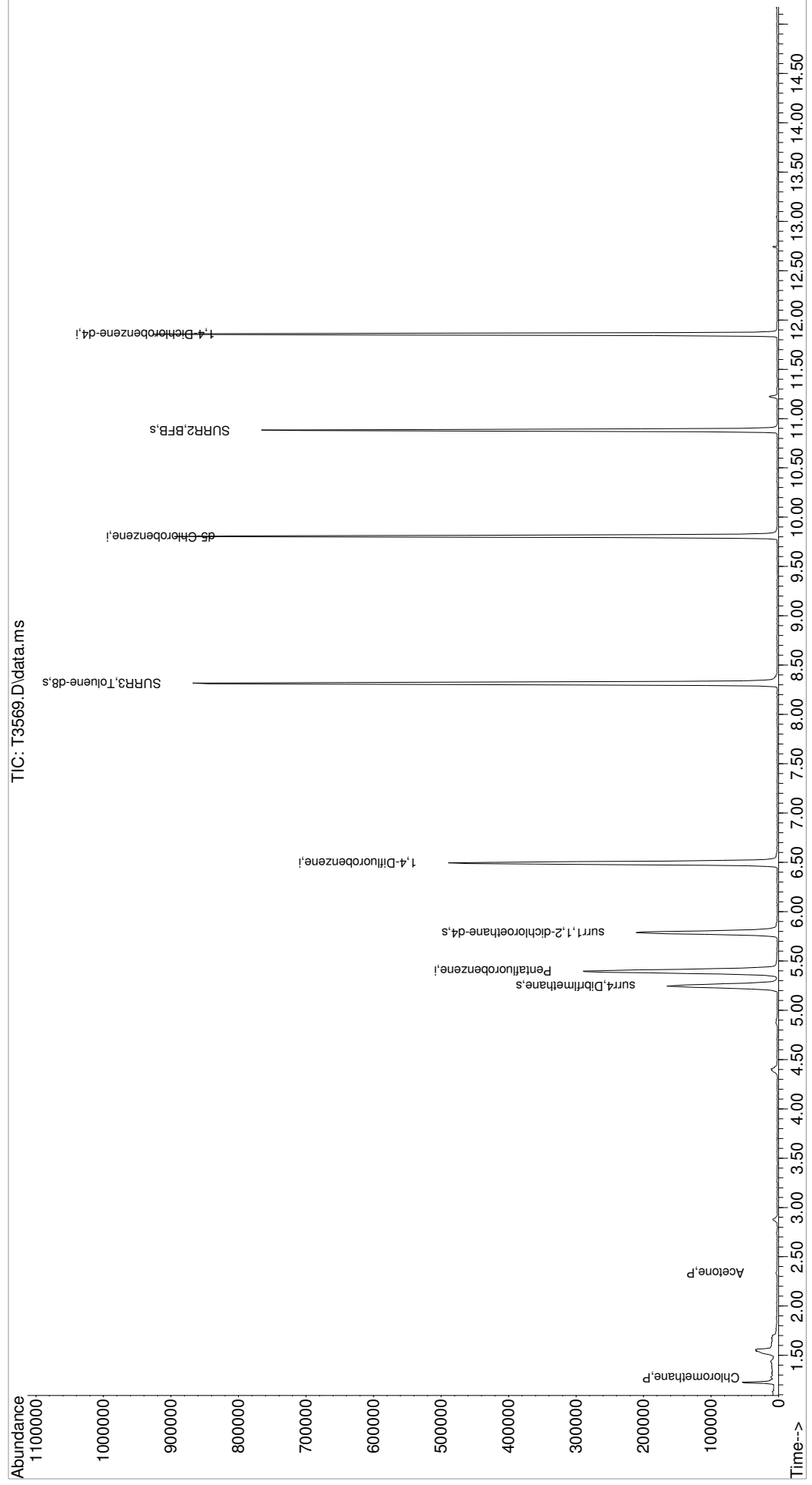
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	270437	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	415607	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	372769	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	187945	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	134017	51.62	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	103.24%	
46) surr1,1,2-dichloroetha...	5.787	65	179928	53.69	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	107.38%	
64) SURR3,Toluene-d8	8.317	98	529672	52.40	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	104.80%	
69) SURR2,BFB	10.884	95	194275	49.99	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	99.98%	
Target Compounds						
3) Chloromethane	1.276	50	1302	0.31	ug/L	Qvalue 74
5) Bromomethane	1.581	94	387	Below	Cal	# 35
15) Acetone	2.337	43	2293m	1.39	ug/L	
38) Tetrahydrofuran	4.879	42	2158	Below	Cal	# 65

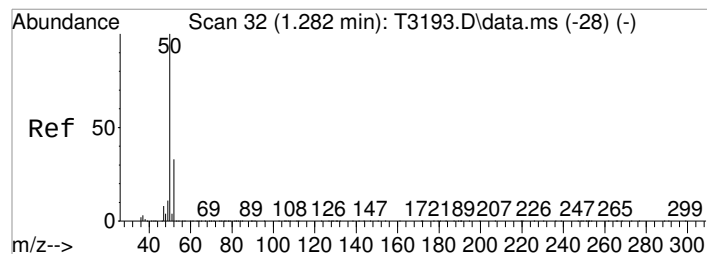
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3569.D
 Acq On : 29 Nov 2020 4:04 pm
 Operator : F.NAEGLER
 Sample : MBLK-FP
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA10

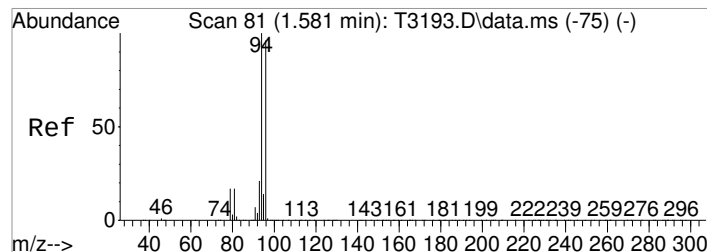
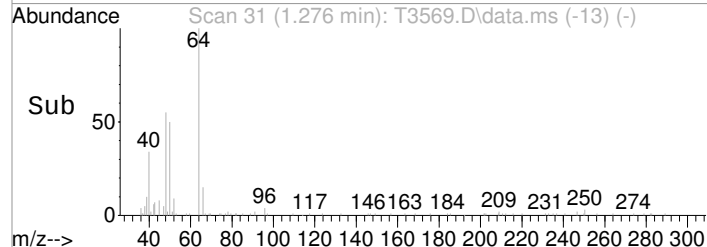
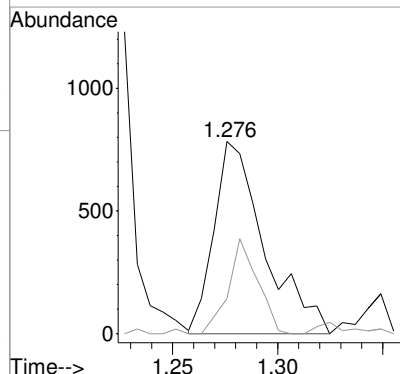
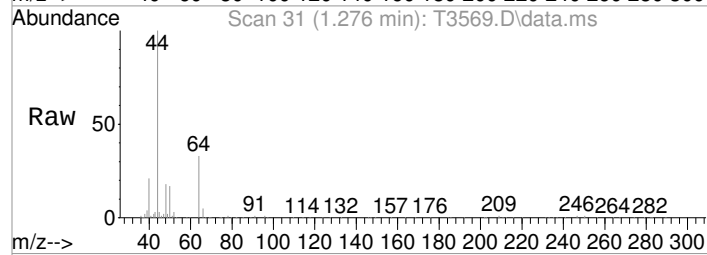
Quant Time: Dec 03 13:26:23 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





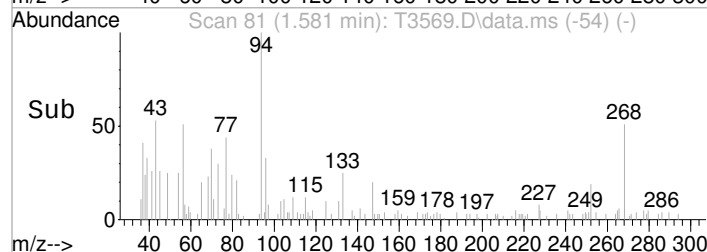
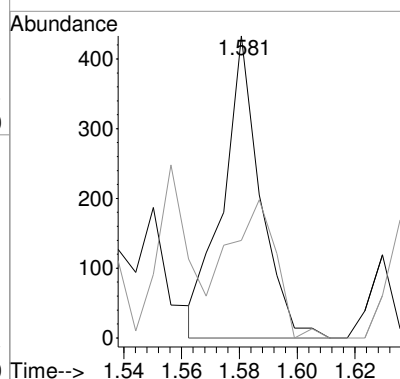
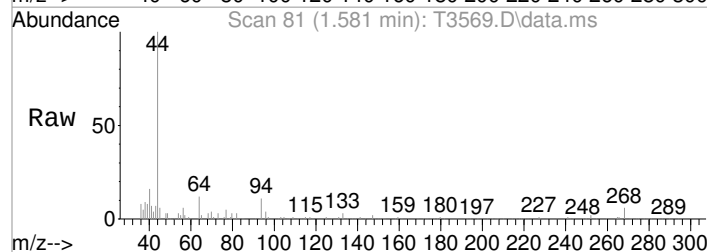
#3
 Chloromethane
 Concen: 0.31 ug/L
 RT: 1.276 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: T3569.D
 Acq: 29 Nov 2020 4:04 pm

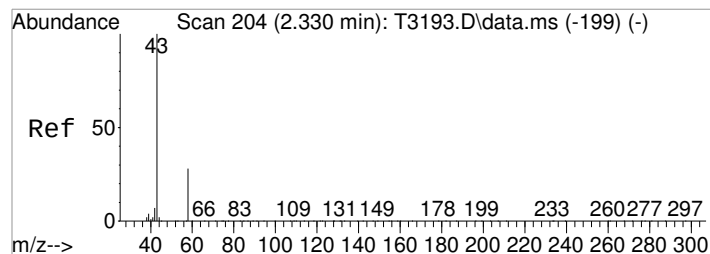
Tgt Ion: 50 Resp: 1302
 Ion Ratio Lower Upper
 50 100
 52 18.3 13.0 53.0



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.581 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: T3569.D
 Acq: 29 Nov 2020 4:04 pm

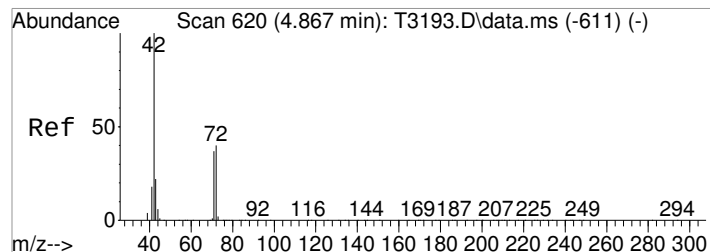
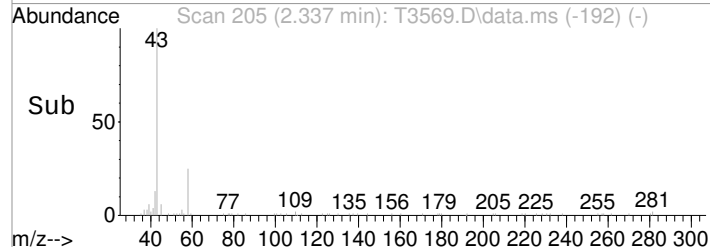
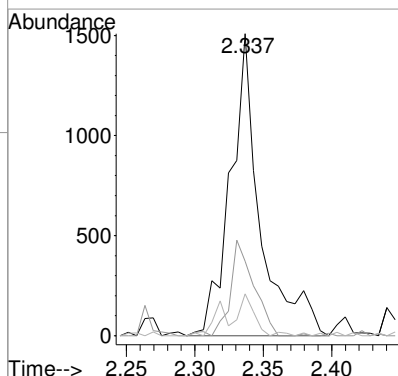
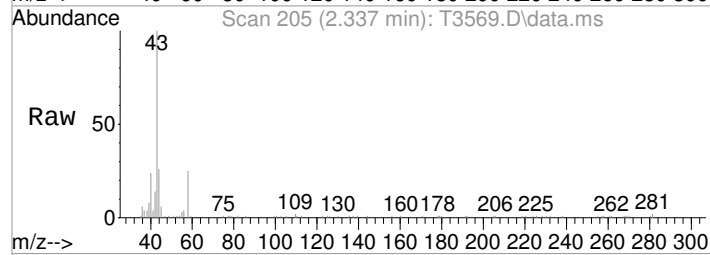
Tgt Ion: 94 Resp: 387
 Ion Ratio Lower Upper
 94 100
 96 32.3 76.3 116.3#





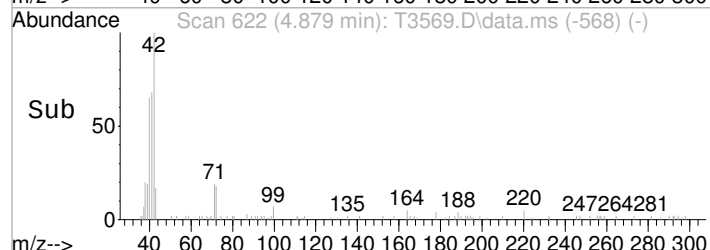
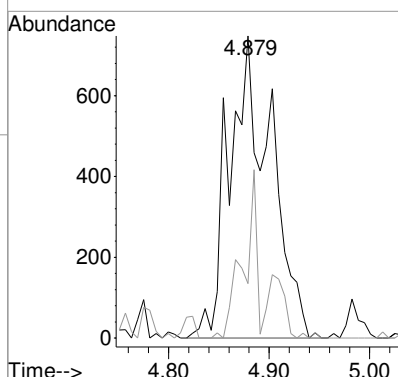
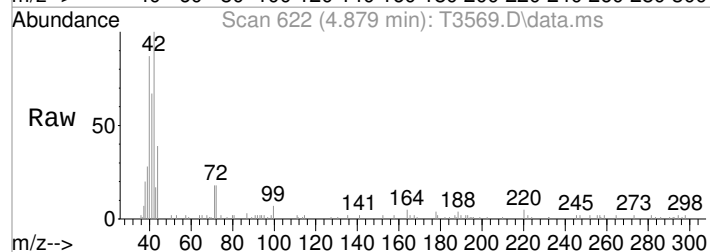
#15
 Acetone
 Concen: 1.39 ug/L m
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: T3569.D
 Acq: 29 Nov 2020 4:04 pm

Tgt Ion: 43 Resp: 2293
 Ion Ratio Lower Upper
 43 100
 58 24.7 7.8 47.8
 42 13.9 0.0 27.2



#38
 Tetrahydrofuran
 Concen: Below Cal
 RT: 4.879 min Scan# 622
 Delta R.T. 0.013 min
 Lab File: T3569.D
 Acq: 29 Nov 2020 4:04 pm

Tgt Ion: 42 Resp: 2158
 Ion Ratio Lower Upper
 42 100
 72 18.0 19.8 59.8#



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3556.D
 Acq On : 29 Nov 2020 10:44 am
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 29 11:01:31 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	296524	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	445802	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	404724	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	212646	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	146763	52.70	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	105.40%	
46) surr1,1,2-dichloroetha...	5.787	65	191085	53.16	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.32%	
64) SURR3,Toluene-d8	8.311	98	565178	52.13	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	104.26%	
69) SURR2,BFB	10.884	95	212351	50.94	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	101.88%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	76275	20.63	ug/L	99
3) Chloromethane	1.282	50	91413	19.89	ug/L	99
4) Vinyl Chloride	1.355	62	84328	19.89	ug/L	100
5) Bromomethane	1.581	94	53004	19.43	ug/L	99
6) Chloroethane	1.660	64	48308	20.02	ug/L	98
7) Freon 21	1.812	67	98595	19.71	ug/L	95
8) Trichlorofluoromethane	1.861	101	79553	19.87	ug/L	96
9) Diethyl Ether	2.093	59	53250	19.65	ug/L	97
10) Freon 123a	2.099	67	72720	22.71	ug/L	97
11) Freon 123	2.148	83	69902	19.34	ug/L	94
12) Acrolein	2.196	56	22527	29.61	ug/L	99
13) 1,1-Dicethene	2.282	96	46200	22.30	ug/L	97
14) Freon 113	2.288	101	46028	18.23	ug/L	95
15) Acetone	2.330	43	28253	15.62	ug/L	98
16) 2-Propanol	2.465	45	143017	370.20	ug/L	95
17) Iodomethane	2.416	142	56471	18.02	ug/L	95
18) Carbon Disulfide	2.477	76	105398	17.76	ug/L	97
19) Acetonitrile	2.580	41	67181	105.01	ug/L	98
20) Allyl Chloride	2.617	76	28985	19.24	ug/L	92
21) Methyl Acetate	2.641	43	70100	21.63	ug/L	95
22) Methylene Chloride	2.733	84	56732	18.78	ug/L	# 86
23) TBA	2.867	59	195312	320.83	ug/L	91
24) Acrylonitrile	2.989	53	162719	97.45	ug/L	94
25) Methyl-t-Butyl Ether	3.038	73	195229	20.21	ug/L	97
26) trans-1,2-Dichloroethene	3.032	96	48677	20.40	ug/L	100
27) 1,1-Dicethane	3.525	63	99998	19.43	ug/L	93
28) Vinyl Acetate	3.623	86	11977	30.52	ug/L	# 52
29) DIPE	3.659	45	198649	19.50	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.653	53	81474	20.14	ug/L	99
31) ETBE	4.184	59	170700	18.34	ug/L	94
32) 2,2-Dichloropropane	4.361	77	79715	19.07	ug/L	94
33) cis-1,2-Dichloroethene	4.373	96	57463	19.48	ug/L	# 83
34) 2-Butanone	4.415	43	43457	17.91	ug/L	98
35) Propionitrile	4.495	54	63672	90.19	ug/L	95
36) Bromochloromethane	4.769	130	37019	18.46	ug/L	93
37) Methacrylonitrile	4.775	67	31978	17.95	ug/L	94
38) Tetrahydrofuran	4.860	42	30308	16.67	ug/L	95
39) Chloroform	4.952	83	93342	19.07	ug/L	97
40) 1,1,1-Trichloroethane	5.251	97	74833	17.35	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\112920\

Data File : T3556.D

Acq On : 29 Nov 2020 10:44 am

Operator : F.NAEGLER

Sample : LCS-FP

Misc :

Inst : MSVOA10

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 11:01:31 2020

Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M

Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

QLast Update : Wed Nov 18 09:28:27 2020

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	54967	22.94	ug/L	98
44) Carbontetrachloride	5.537	117	58080	16.50	ug/L	94
45) 1,1-Dichloropropene	5.543	75	67958	18.14	ug/L	94
47) Benzene	5.860	78	207887	18.31	ug/L	98
48) 1,2-Dichloroethane	5.903	62	88052	20.24	ug/L	98
49) Iso-Butyl Alcohol	5.885	43	90917	304.91	ug/L	98
50) TAME	6.104	73	179776	19.65	ug/L	95
51) n-Heptane	6.354	43	71646	18.82	ug/L	97
52) 1-Butanol	6.848	56	131828	773.84	ug/L	97
53) Trichloroethene	6.823	130	51003	17.84	ug/L	91
54) Methylcyclohexane	7.055	55	67642	22.69	ug/L	93
55) 1,2-Dicloropropane	7.098	63	59081	19.13	ug/L	98
56) Dibromomethane	7.244	93	39058	18.62	ug/L	94
57) 1,4-Dioxane	7.305	88	21494	335.61	ug/L	95
58) Methyl Methacrylate	7.329	69	51660	17.56	ug/L	96
59) Bromodichloromethane	7.470	83	67385	16.65	ug/L	96
60) 2-Nitropropane	7.756	41	36902	30.07	ug/L	86
61) 2-Chloroethylvinyl Ether	7.884	63	3278	1.44	ug/L	80
62) cis-1,3-Dichloropropene	8.018	75	87234	17.94	ug/L	97
63) 4-Methyl-2-pentanone	8.226	43	82839	17.42	ug/L	99
65) Toluene	8.384	91	222051	18.96	ug/L	97
66) trans-1,3-Dichloropropene	8.658	75	80817	17.61	ug/L	95
67) Ethyl Methacrylate	8.799	69	90671	18.53	ug/L	98
68) 1,1,2-Trichloroethane	8.847	97	54538	18.72	ug/L	93
71) Tetrachloroethene	8.982	164	39419	17.13	ug/L	95
72) 2-Hexanone	9.134	43	61039	17.32	ug/L	95
73) 1,3-Dichloropropane	9.012	76	96054	19.56	ug/L	96
74) Dibromochloromethane	9.244	129	51161	17.64	ug/L	94
75) N-Butyl Acetate	9.293	43	114287	15.99	ug/L	95
76) 1,2-Dibromoethane	9.341	107	57355	18.96	ug/L	94
77) 3-Chlorobenzotrifluoride	9.853	180	73128	17.42	ug/L	94
78) Chlorobenzene	9.835	112	145946	18.97	ug/L	95
79) 4-Chlorobenzotrifluoride	9.908	180	64467	16.90	ug/L	89
80) 1,1,1,2-Tetrachloroethane	9.920	131	49999	17.30	ug/L	97
81) Ethylbenzene	9.951	106	71758	18.41	ug/L	93
82) (m+p)Xylene	10.067	106	181010	37.69	ug/L	95
83) o-Xylene	10.420	106	90086	18.00	ug/L	99
84) Styrene	10.439	104	152060	17.67	ug/L	99
85) Bromoform	10.585	173	33847	14.78	ug/L	100
86) 2-Chlorobenzotrifluoride	10.664	180	67840	15.73	ug/L	96
87) Isopropylbenzene	10.756	105	216136	17.55	ug/L	97
88) Cyclohexanone	10.823	55	68741	85.00	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.067	53	20423	14.23	ug/L	92
91) 1,1,2,2-Tetrachloroethane	11.018	83	87017	19.02	ug/L	98
92) Bromobenzene	11.006	156	61568	17.12	ug/L	95
93) 1,2,3-Trichloropropane	11.048	110	21424	16.73	ug/L #	80
94) n-Propylbenzene	11.115	91	263991	18.49	ug/L	98
95) 2-Chlorotoluene	11.176	91	167363	18.41	ug/L	100
96) 3-Chlorotoluene	11.231	91	160643	17.53	ug/L	98
97) 4-Chlorotoluene	11.268	91	189268	18.40	ug/L	95
98) 1,3,5-Trimethylbenzene	11.268	105	179466	17.26	ug/L	97
99) tert-Butylbenzene	11.536	119	147727	17.28	ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	180591	17.31	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.640	214	59694	17.78	ug/L	97
102) sec-Butylbenzene	11.719	105	222709	17.41	ug/L	98
103) p-Isopropyltoluene	11.841	119	182431	17.09	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3556.D
 Acq On : 29 Nov 2020 10:44 am
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

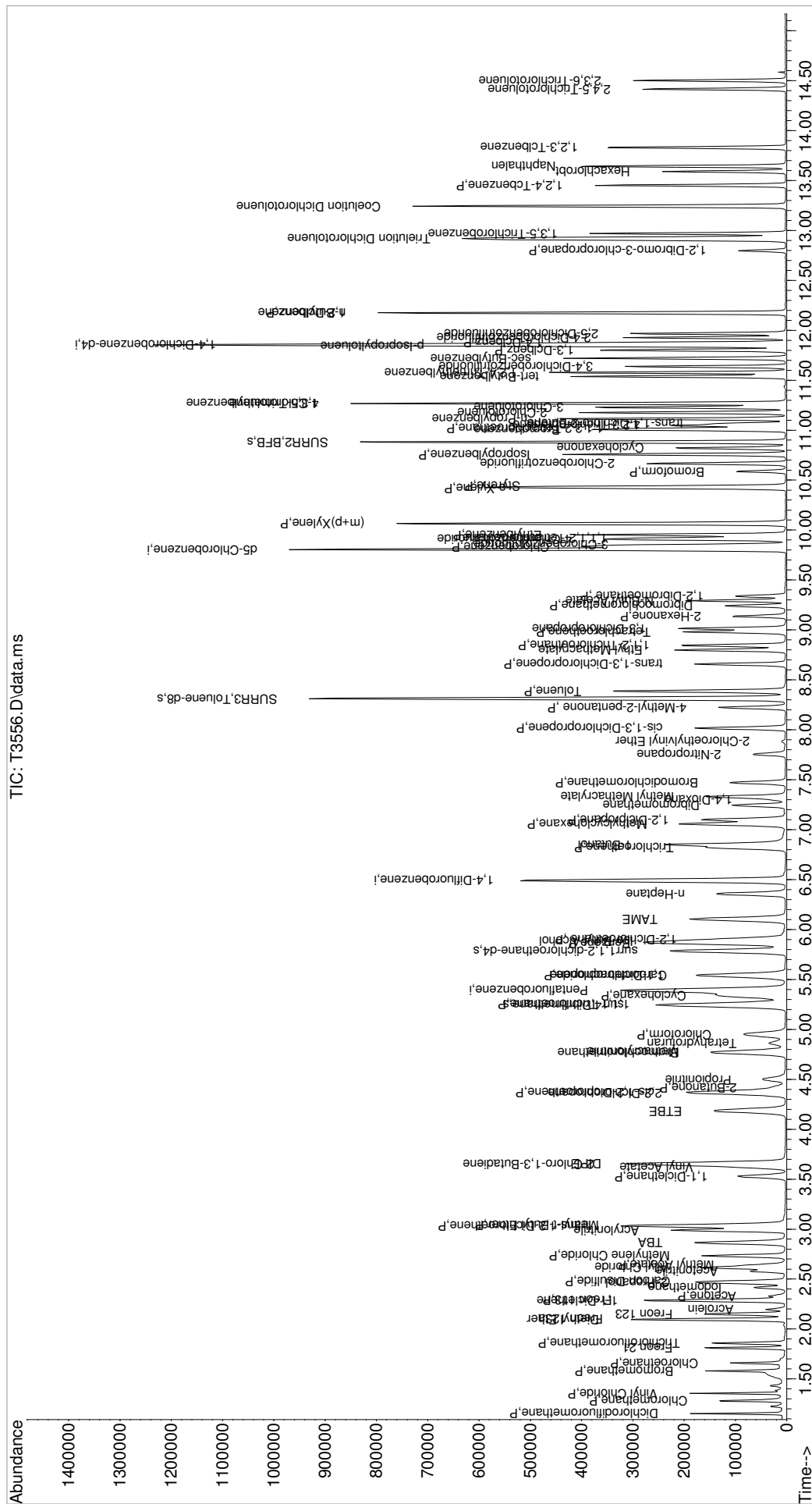
Quant Time: Nov 29 11:01:31 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	114483	17.54	ug/L	98
105) 1,4-Dclbenz	11.877	146	115988	17.38	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	55102	17.79	ug/L	100
107) 2,5-Dichlorobenzotrifl...	11.969	214	59190	16.79	ug/L	93
108) n-Butylbenzene	12.176	91	170680	16.74	ug/L	97
109) 1,2-Dclbenz	12.176	146	116720	17.68	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.798	157	17559	15.39	ug/L	98
111) Trielution Dichlorotol...	12.920	125	299838	54.26	ug/L	98
112) 1,3,5-Trichlorobenzene	12.969	180	86028	17.47	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	222610	36.71	ug/L	100
114) 1,2,4-Tcbenzene	13.450	180	83410	16.92	ug/L	96
115) Hexachlorobt	13.590	225	32534	16.30	ug/L	97
116) Naphthalen	13.645	128	240808	16.25	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	82053	16.31	ug/L	97
118) 2,4,5-Trichlorotoluene	14.413	159	56252	17.02	ug/L	96
119) 2,3,6-Trichlorotoluene	14.499	159	53968	18.23	ug/L	99

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3556.D
 Acq On : 29 Nov 2020 10:44 am
 Operator : F.NAEGLER
 Sample : LCS-FP
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA10

Quant Time: Nov 29 11:01:31 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 Qlast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3558.D
Acq On : 29 Nov 2020 11:52 am
Operator : F.NAEGLER
Sample : EKLCS-FP
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 29 12:07:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Fri Oct 06 14:03:00 2017
Response via : Initial Calibration

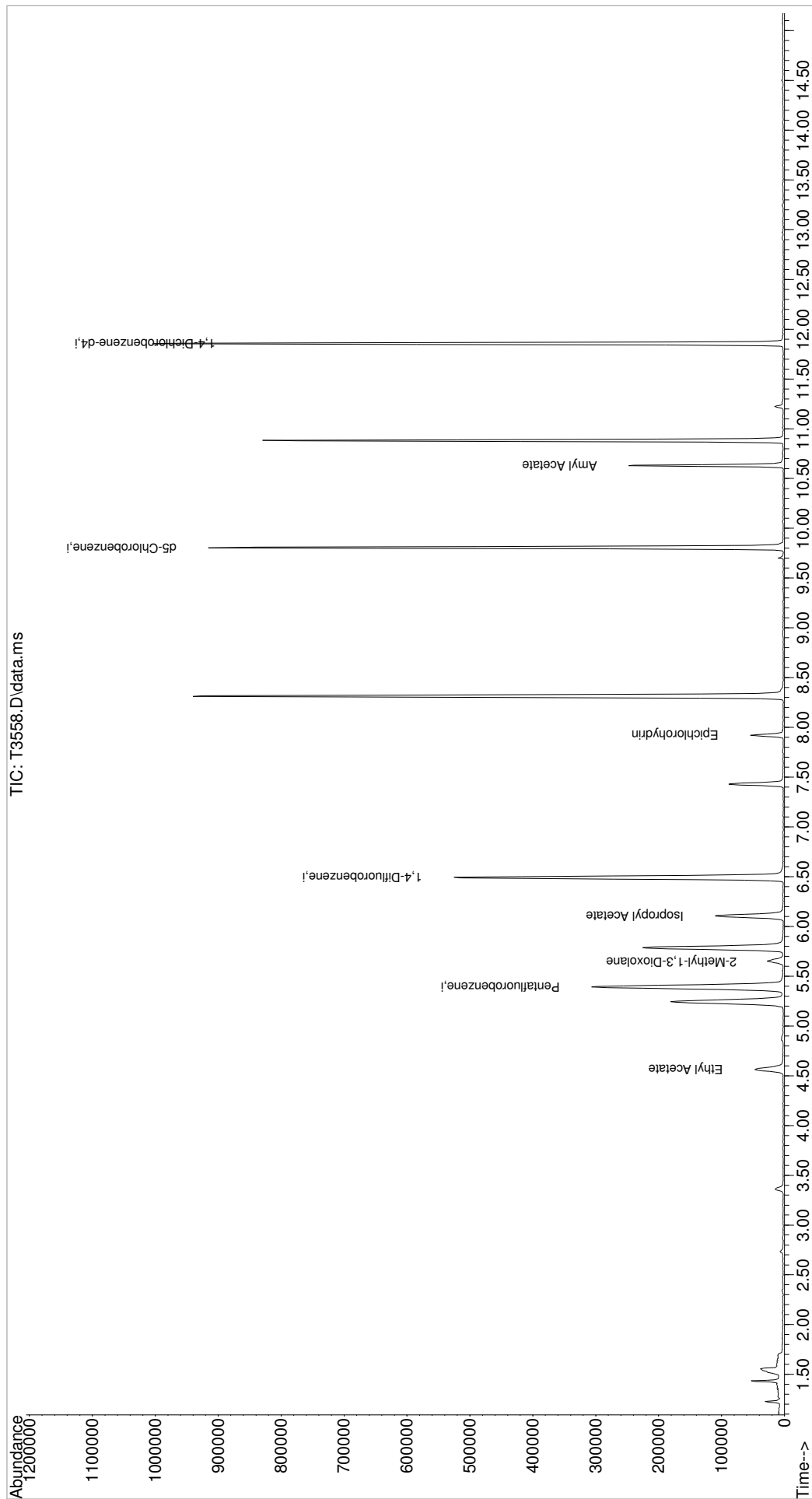
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.391	168	290791	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.494	114	446706	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	399625	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.859	152	197497	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.562	43	79363	25.48	ug/L	95
4) 2-Methyl-1,3-Dioxolane	5.647	73	22621	46.17	ug/L	86
5) Isopropyl Acetate	6.104	43	139824	24.65	ug/L	98
6) Epichlorohydrin	7.921	57	34688	109.62	ug/L	97
8) Amyl Acetate	10.628	43	113435	26.23	ug/L	95

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3558.D
 Acq On : 29 Nov 2020 11:52 am
 Operator : F.NAEGLER
 Sample : EKLCs-FP
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 Inst : MSV0A10

Quant Time: Nov 29 12:07:10 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Fri Oct 06 14:03:00 2017
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3558.D
 Acq On : 29 Nov 2020 11:52 am
 Operator : F.NAEGLER
 Sample : EKLCS-FP
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 29 12:06:54 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

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

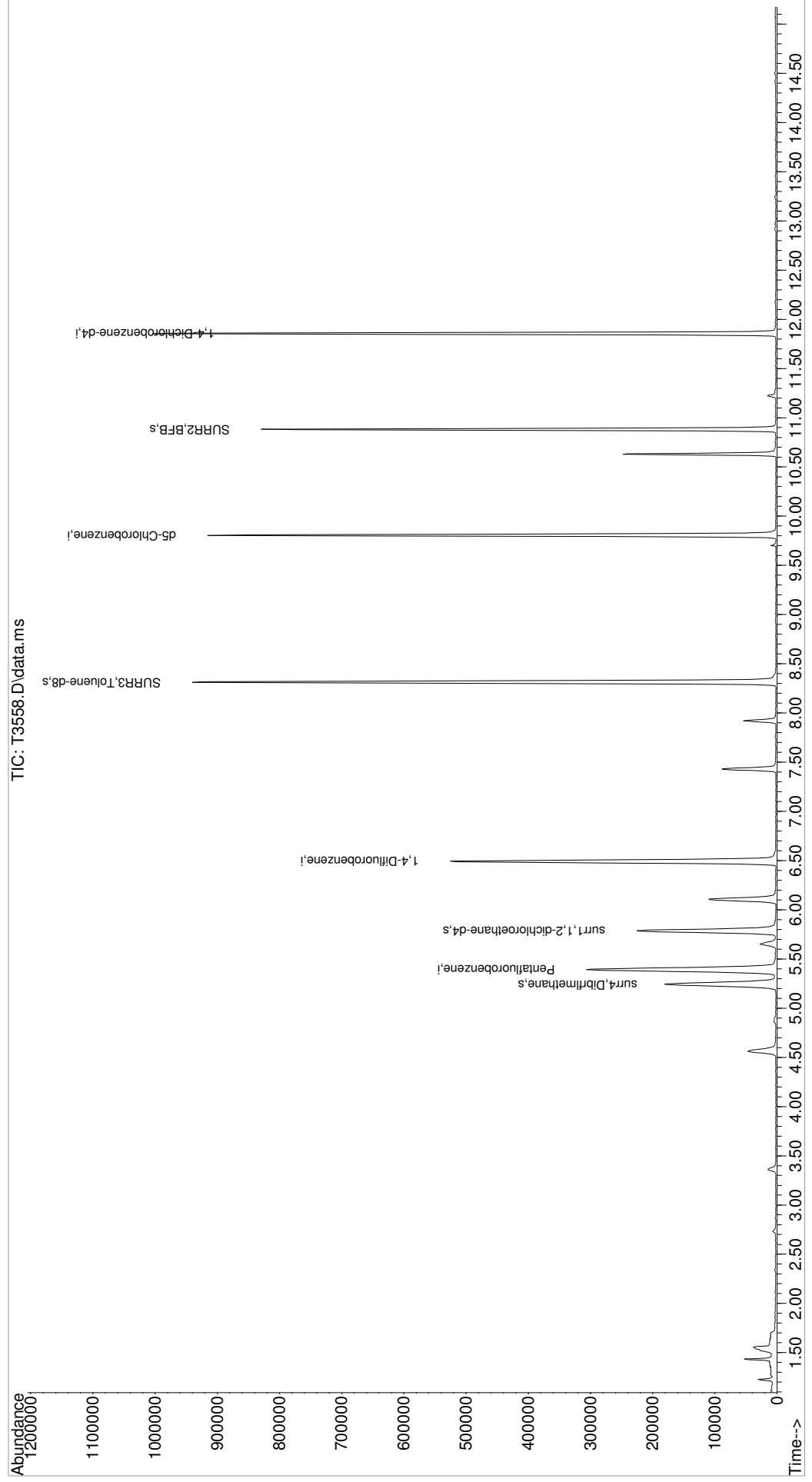
Internal Standards						
1) Pentafluorobenzene	5.391	168	290791	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	446706	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	399625	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	197497	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	146113	52.36	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	104.72%	
46) surr1,1,2-dichloroetha...	5.787	65	195064	54.16	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	108.32%	
64) SURR3,Toluene-d8	8.311	98	575651	52.99	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	105.98%	
69) SURR2,BFB	10.884	95	209214	50.09	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	100.18%	
Target Compounds						
5) Bromomethane	1.556	94	315	Below Cal		Qvalue 86
18) Carbon Disulfide	2.483	76	459	Below Cal		89
38) Tetrahydrofuran	4.867	42	1126	Below Cal		77

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

Data Path : I:\ACQUDATA\msvoa10\data\112920\
 Data File : T3558.D
 Acq On : 29 Nov 2020 11:52 am
 Operator : F.NAEGLER
 Sample : EKLCs-FP
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 29 12:06:54 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

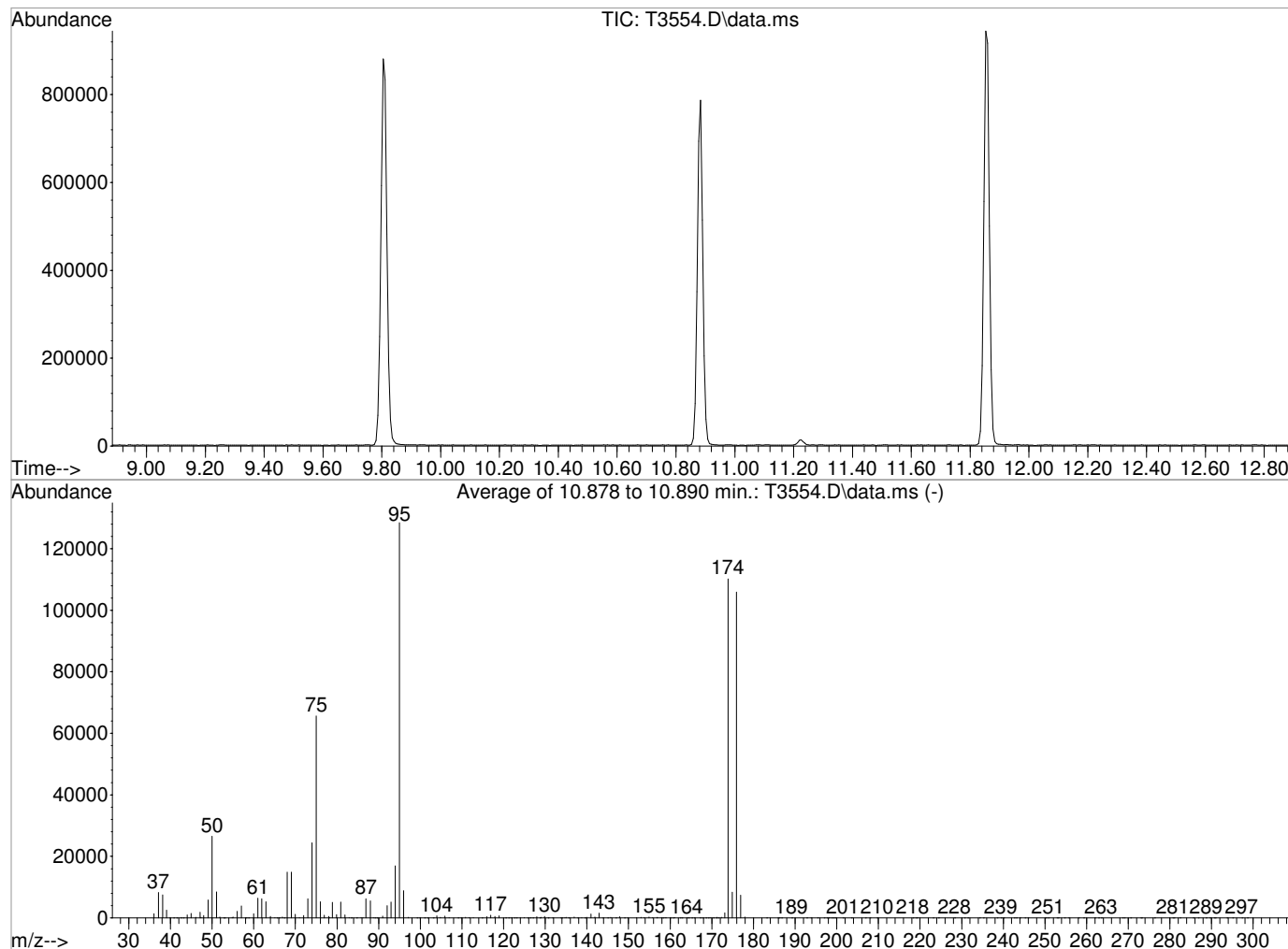


Data Path : I:\ACQUDATA\msvoa10\data\112920\
Data File : T3554.D
Acq On : 29 Nov 2020 9:32 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Nov 18 09:28:27 2020



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1598

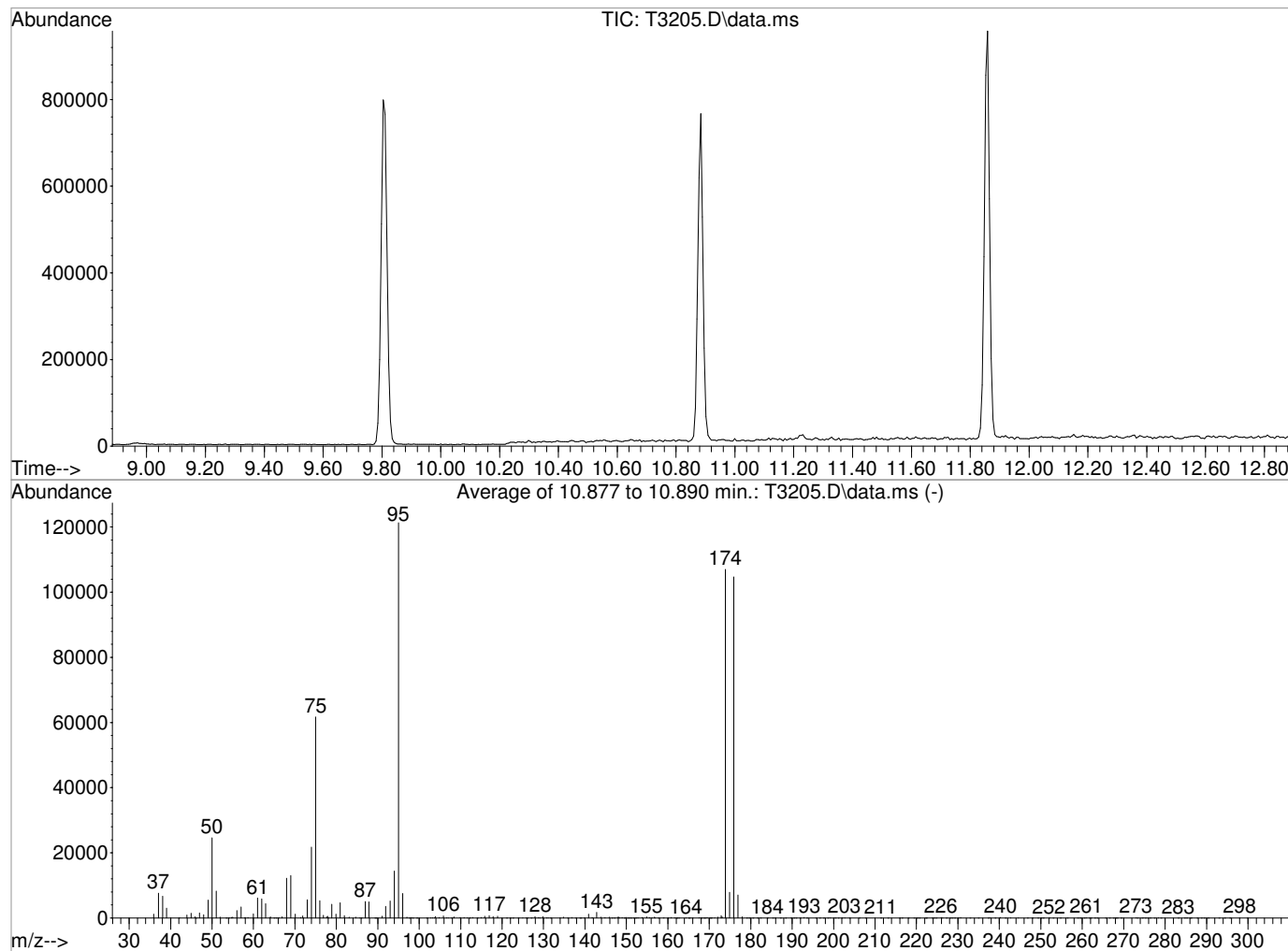
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	26538	PASS
75	95	30	60	51.1	65688	PASS
95	95	100	100	100.0	128475	PASS
96	95	5	9	6.9	8892	PASS
173	174	0.00	2	1.5	1672	PASS
174	95	50	120	85.7	110163	PASS
175	174	5	9	7.6	8330	PASS
176	174	95	101	96.1	105920	PASS
177	176	5	9	7.0	7424	PASS

Data Path : I:\ACQUDATA\msvoa10\data\111820\
Data File : T3205.D
Acq On : 18 Nov 2020 11:13 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed Nov 18 09:28:27 2020



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1598

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	24645	PASS
75	95	30	60	50.9	61752	PASS
95	95	100	100	100.0	121315	PASS
96	95	5	9	6.2	7495	PASS
173	174	0.00	2	0.7	778	PASS
174	95	50	120	88.2	106987	PASS
175	174	5	9	7.4	7946	PASS
176	174	95	101	97.9	104689	PASS
177	176	5	9	6.7	7055	PASS

Data Path : I:\ACQUDATA\msvoa10\data\111820\
 Data File : T3233.D
 Acq On : 18 Nov 2020 10:33 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 19 06:36:48 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

acrolein only

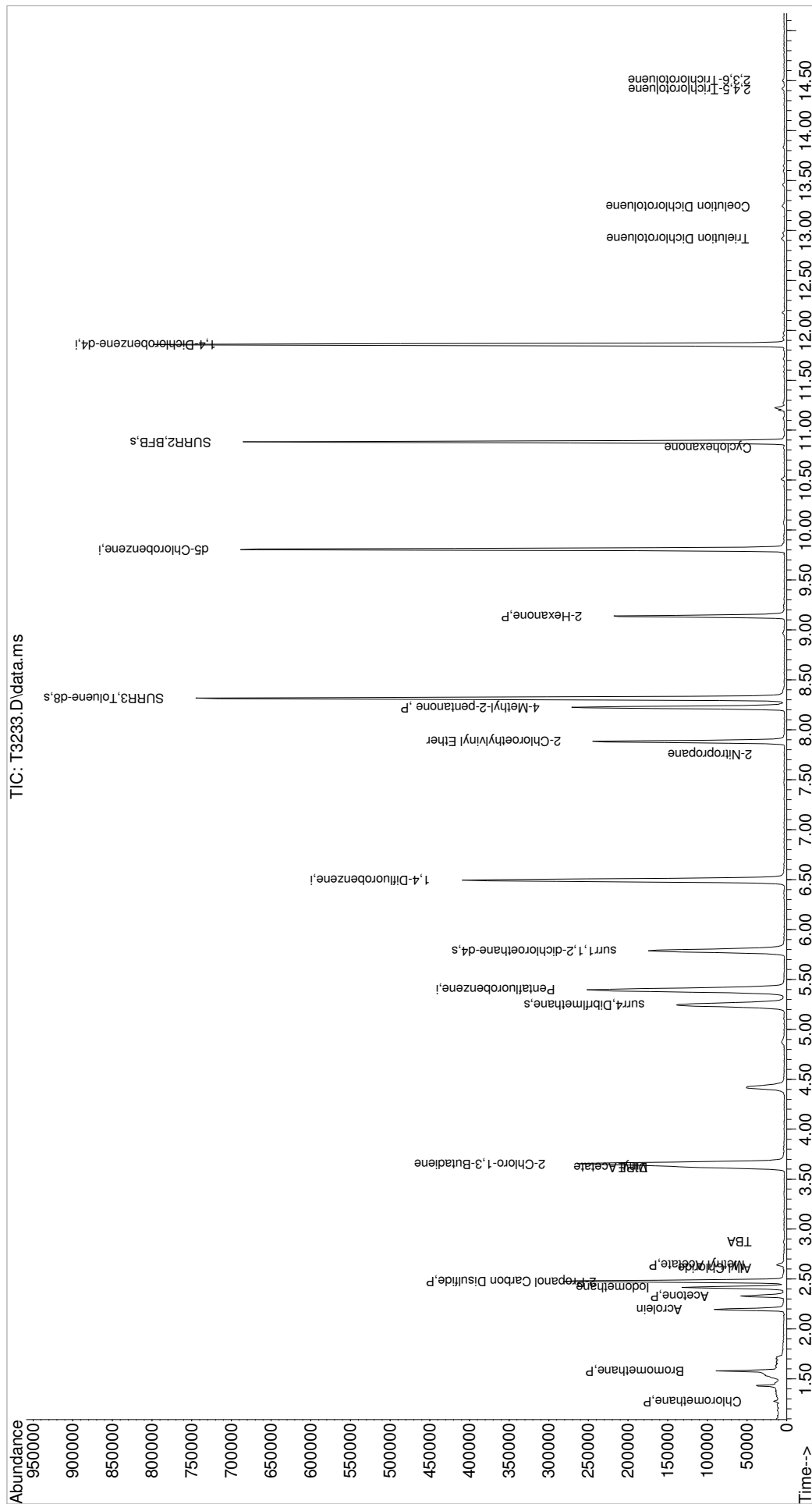
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	239244	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	355256	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	311739	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	160429	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	115116	51.88	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	103.76%	
46) surr1,1,2-dichloroetha...	5.787	65	151113	52.75	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	105.50%	
64) SURR3,Toluene-d8	8.317	98	450040	52.09	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	104.18%	
69) SURR2,BFB	10.884	95	167409	50.39	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	100.78%	
Target Compounds						
						Qvalue
3) Chloromethane	1.276	50	2873	0.77	ug/L	85
5) Bromomethane	1.581	94	26621	11.68	ug/L	91
12) Acrolein	2.196	56	57085	93.00	ug/L	100
15) Acetone	2.330	43	52071	35.69	ug/L	99
16) 2-Propanol	2.471	45	1124	3.61	ug/L #	39
17) Iodomethane	2.416	142	114086	41.15	ug/L	99
18) Carbon Disulfide	2.477	76	302842	59.22	ug/L	99
20) Allyl Chloride	2.611	76	658	0.54	ug/L #	1
21) Methyl Acetate	2.641	43	10309	3.94	ug/L	91
23) TBA	2.879	59	623	1.27	ug/L	76
28) Vinyl Acetate	3.623	86	15317	48.38	ug/L	97
29) DIPE	3.623	45	1829	0.22	ug/L #	1
30) 2-Chloro-1,3-Butadiene	3.653	53	172061	52.71	ug/L	97
38) Tetrahydrofuran	4.873	42	3864	Below	Cal	73
60) 2-Nitropropane	7.756	41	433	0.44	ug/L #	6
61) 2-Chloroethylvinyl Ether	7.884	63	94144	51.86	ug/L	97
63) 4-Methyl-2-pentanone	8.226	43	175372	46.29	ug/L	97
72) 2-Hexanone	9.140	43	127384	46.94	ug/L	97
88) Cyclohexanone	10.829	55	519	0.83	ug/L #	66
111) Trielution Dichlorotol...	12.920	125	1718	0.41	ug/L	85
113) Coelution Dichlorotoluene	13.243	125	1044	0.23	ug/L	71
118) 2,4,5-Trichlorotoluene	14.413	159	761	0.31	ug/L	80
119) 2,3,6-Trichlorotoluene	14.505	159	751	0.34	ug/L #	70

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

Data Path : I:\ACQDATA\msvoa10\data\111820\
 Data File : T3233.D
 Acq On : 18 Nov 2020 10:33 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 19 06:36:48 2020
 Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 Qlast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3199.D
 Acq On : 15 Nov 2020 4:58 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 10:13:53 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	221364	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	323117	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	290154	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	161827	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	105096	52.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery = 104.14%			
46) surr1,1,2-dichloroetha...	5.787	65	132302	50.78	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.56%			
64) SURR3,Toluene-d8	8.317	98	400353	50.95	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.90%			
69) SURR2,BFB	10.884	95	157414	52.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 104.20%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	127131	46.06	ug/L	99
3) Chloromethane	1.282	50	156595	45.65	ug/L	98
4) Vinyl Chloride	1.355	62	143775	45.42	ug/L	98
5) Bromomethane	1.581	94	86785	48.16	ug/L	98
6) Chloroethane	1.660	64	77221	42.86	ug/L	98
7) Freon 21	1.812	67	196433	52.60	ug/L	97
8) Trichlorofluoromethane	1.861	101	144394	48.30	ug/L	95
9) Diethyl Ether	2.099	59	94415	46.67	ug/L	99
10) Freon 123a	2.099	67	146932	61.46	ug/L	99
11) Freon 123	2.154	83	146344	54.24	ug/L	99
12) Acrolein	2.196	56	33570	59.11	ug/L	95
13) 1,1-Dicethene	2.288	96	82518	53.35	ug/L	100
14) Freon 113	2.294	101	80189	42.54	ug/L	95
15) Acetone	2.330	43	54422	40.31	ug/L	100
16) 2-Propanol	2.465	45	285360	989.45	ug/L	98
17) Iodomethane	2.416	142	113742	43.91	ug/L	99
18) Carbon Disulfide	2.477	76	203078	44.02	ug/L	98
19) Acetonitrile	2.580	41	117681	246.39	ug/L	94
20) Allyl Chloride	2.623	76	52622	46.78	ug/L	94
21) Methyl Acetate	2.641	43	139835	57.80	ug/L	99
22) Methylene Chloride	2.739	84	98980	43.89	ug/L	98
23) TBA	2.867	59	409986	902.13	ug/L	99
24) Acrylonitrile	2.995	53	294188	236.01	ug/L	98
25) Methyl-t-Butyl Ether	3.044	73	350328	48.57	ug/L	99
26) trans-1,2-Dichloroethene	3.031	96	89570	50.29	ug/L	92
27) 1,1-Dicethane	3.531	63	181377	47.20	ug/L	97
28) Vinyl Acetate	3.629	86	11983	40.90	ug/L	# 94
29) DIPE	3.659	45	379495	49.91	ug/L	99
30) 2-Chloro-1,3-Butadiene	3.659	53	134134	44.41	ug/L	92
31) ETBE	4.190	59	331391	47.69	ug/L	100
32) 2,2-Dichloropropane	4.373	77	133242	42.69	ug/L	97
33) cis-1,2-Dichloroethene	4.379	96	104858	47.61	ug/L	95
34) 2-Butanone	4.421	43	82741	45.68	ug/L	98
35) Propionitrile	4.507	54	122209	231.89	ug/L	99
36) Bromochloromethane	4.781	130	68870	46.00	ug/L	# 88
37) Methacrylonitrile	4.781	67	61312	46.10	ug/L	95
38) Tetrahydrofuran	4.866	42	56364	49.18	ug/L	94
39) Chloroform	4.958	83	171690	46.99	ug/L	96
40) 1,1,1-Trichloroethane	5.257	97	142720	44.31	ug/L	95

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3199.D
 Acq On : 15 Nov 2020 4:58 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 10:13:53 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.348	41	109902	59.54	ug/L	99
44) Carbontetrachloride	5.537	117	117686	46.12	ug/L	95
45) 1,1-Dichloropropene	5.549	75	123628	45.53	ug/L	99
47) Benzene	5.866	78	387696	47.11	ug/L	98
48) 1,2-Dichloroethane	5.909	62	145615	46.18	ug/L	99
49) Iso-Butyl Alcohol	5.885	43	187919	869.53	ug/L	100
50) TAME	6.110	73	333999	50.36	ug/L	98
51) n-Heptane	6.360	43	119175	43.19	ug/L	100
52) 1-Butanol	6.854	56	286955	2324.03	ug/L	99
53) Trichloroethene	6.823	130	101129	48.81	ug/L	98
54) Methylcyclohexane	7.061	55	132239	58.04	ug/L	98
55) 1,2-Dicloropropane	7.104	63	105448	47.10	ug/L	98
56) Dibromomethane	7.244	93	70883	46.62	ug/L	94
57) 1,4-Dioxane	7.305	88	43119	928.90	ug/L	94
58) Methyl Methacrylate	7.336	69	98357	46.14	ug/L	98
59) Bromodichloromethane	7.476	83	128217	43.71	ug/L	99
60) 2-Nitropropane	7.756	41	78579	88.35	ug/L	98
61) 2-Chloroethylvinyl Ether	7.884	63	84920	51.43	ug/L	98
62) cis-1,3-Dichloropropene	8.018	75	162235	46.03	ug/L	98
63) 4-Methyl-2-pentanone	8.226	43	165247	47.95	ug/L	96
65) Toluene	8.390	91	404800	47.68	ug/L	99
66) trans-1,3-Dichloropropene	8.658	75	157291	47.28	ug/L	98
67) Ethyl Methacrylate	8.799	69	173796	49.01	ug/L	100
68) 1,1,2-Trichloroethane	8.847	97	100673	47.68	ug/L	97
71) Tetrachloroethene	8.982	164	74555	45.18	ug/L	96
72) 2-Hexanone	9.140	43	126083	49.91	ug/L	94
73) 1,3-Dichloropropane	9.018	76	168305	47.81	ug/L	99
74) Dibromochloromethane	9.244	129	104428	50.23	ug/L	96
75) N-Butyl Acetate	9.292	43	262354	51.22	ug/L	100
76) 1,2-Dibromoethane	9.341	107	105094	48.46	ug/L	99
77) 3-Chlorobenzotrifluoride	9.853	180	136650	45.41	ug/L	99
78) Chlorobenzene	9.835	112	266091	48.24	ug/L	97
79) 4-Chlorobenzotrifluoride	9.908	180	121973	44.60	ug/L	94
80) 1,1,1,2-Tetrachloroethane	9.920	131	100663	48.57	ug/L	99
81) Ethylbenzene	9.957	106	135266	48.41	ug/L	95
82) (m+p)Xylene	10.067	106	336763	97.82	ug/L	98
83) o-Xylene	10.426	106	170754	47.60	ug/L	99
84) Styrene	10.439	104	292971	47.49	ug/L	99
85) Bromoform	10.591	173	77961	47.48	ug/L	99
86) 2-Chlorobenzotrifluoride	10.670	180	141831	45.87	ug/L	99
87) Isopropylbenzene	10.762	105	426899	48.36	ug/L	98
88) Cyclohexanone	10.823	55	472125	814.35	ug/L	98
89) trans-1,4-Dichloro-2-B...	11.067	53	41379	40.22	ug/L	88
91) 1,1,2,2-Tetrachloroethane	11.018	83	152331	43.76	ug/L	95
92) Bromobenzene	11.006	156	124249	45.39	ug/L	97
93) 1,2,3-Trichloropropane	11.048	110	44892	46.06	ug/L	95
94) n-Propylbenzene	11.115	91	517943	47.66	ug/L	99
95) 2-Chlorotoluene	11.176	91	322853	46.68	ug/L	98
96) 3-Chlorotoluene	11.231	91	316675	45.41	ug/L	98
97) 4-Chlorotoluene	11.268	91	366809	46.86	ug/L	95
98) 1,3,5-Trimethylbenzene	11.268	105	370467	46.81	ug/L	99
99) tert-Butylbenzene	11.542	119	311195	47.83	ug/L	99
100) 1,2,4-Trimethylbenzene	11.579	105	376179	47.39	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.640	214	116435	45.58	ug/L	95
102) sec-Butylbenzene	11.719	105	461596	47.41	ug/L	98
103) p-Isopropyltoluene	11.841	119	386759	47.60	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3199.D
 Acq On : 15 Nov 2020 4:58 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 10:13:53 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	232398	46.79	ug/L	99
105) 1,4-Dclbenz	11.877	146	234724	46.20	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	108832	46.16	ug/L	94
107) 2,5-Dichlorobenzotrifl...	11.969	214	120036	44.73	ug/L	94
108) n-Butylbenzene	12.176	91	368326	47.47	ug/L	98
109) 1,2-Dclbenz	12.176	146	233704	46.51	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.798	157	38676	44.54	ug/L	98
111) Trielution Dichlorotol...	12.920	125	589755	140.24	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	172256	45.96	ug/L	100
113) Coelution Dichlorotoluene	13.243	125	434785	94.21	ug/L	99
114) 1,2,4-Tcbenzene	13.450	180	177000	47.19	ug/L	97
115) Hexachlorobt	13.590	225	69957	46.05	ug/L	98
116) Naphthalen	13.645	128	538027	47.70	ug/L	99
117) 1,2,3-Tclbenzene	13.834	180	171864	44.88	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	115428	45.89	ug/L	98
119) 2,3,6-Trichlorotoluene	14.505	159	107871	47.88	ug/L	98

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

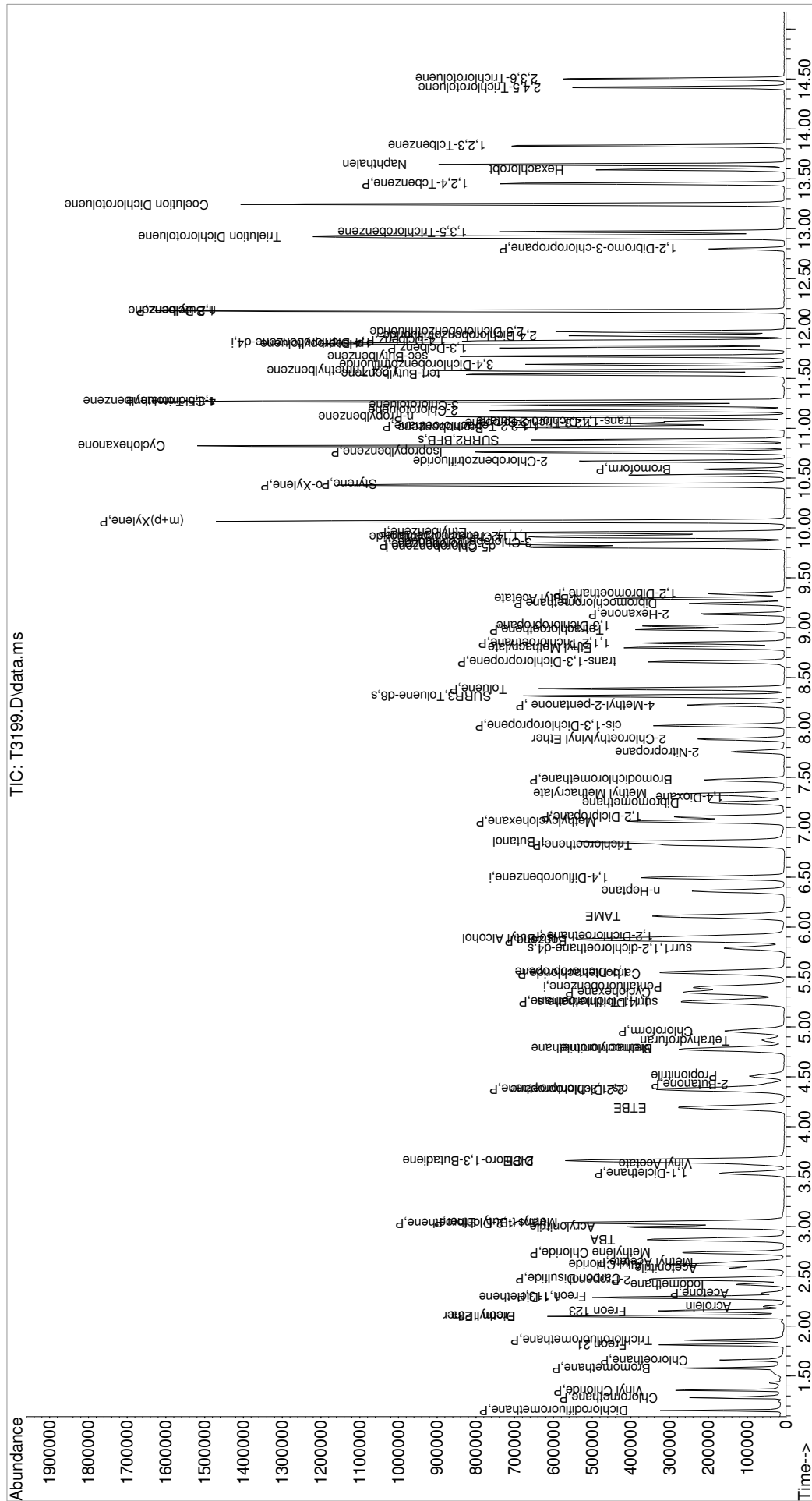
Quantitation Report (QT Reviewed)

Data Path	:	:	I:\ACQUDATA\msvoa10\data\1111520\
Data File	:	:	T3199.D
Acq On	:	:	15 Nov 2020 4:58 pm
Operator	:	:	F.NAEGLER
Sample	:	:	50 PPB ICV
Misc	:	:	
ALS Vial	:	:	13 Sample Multiplier: 1

Inst : MSVOA10

ALS vial : 13 Sample Multiplier: 1

Quant Time: Nov 18 10:13:53 2020
Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed Nov 18 09:28:27 2020
Response via : Initial Calibration

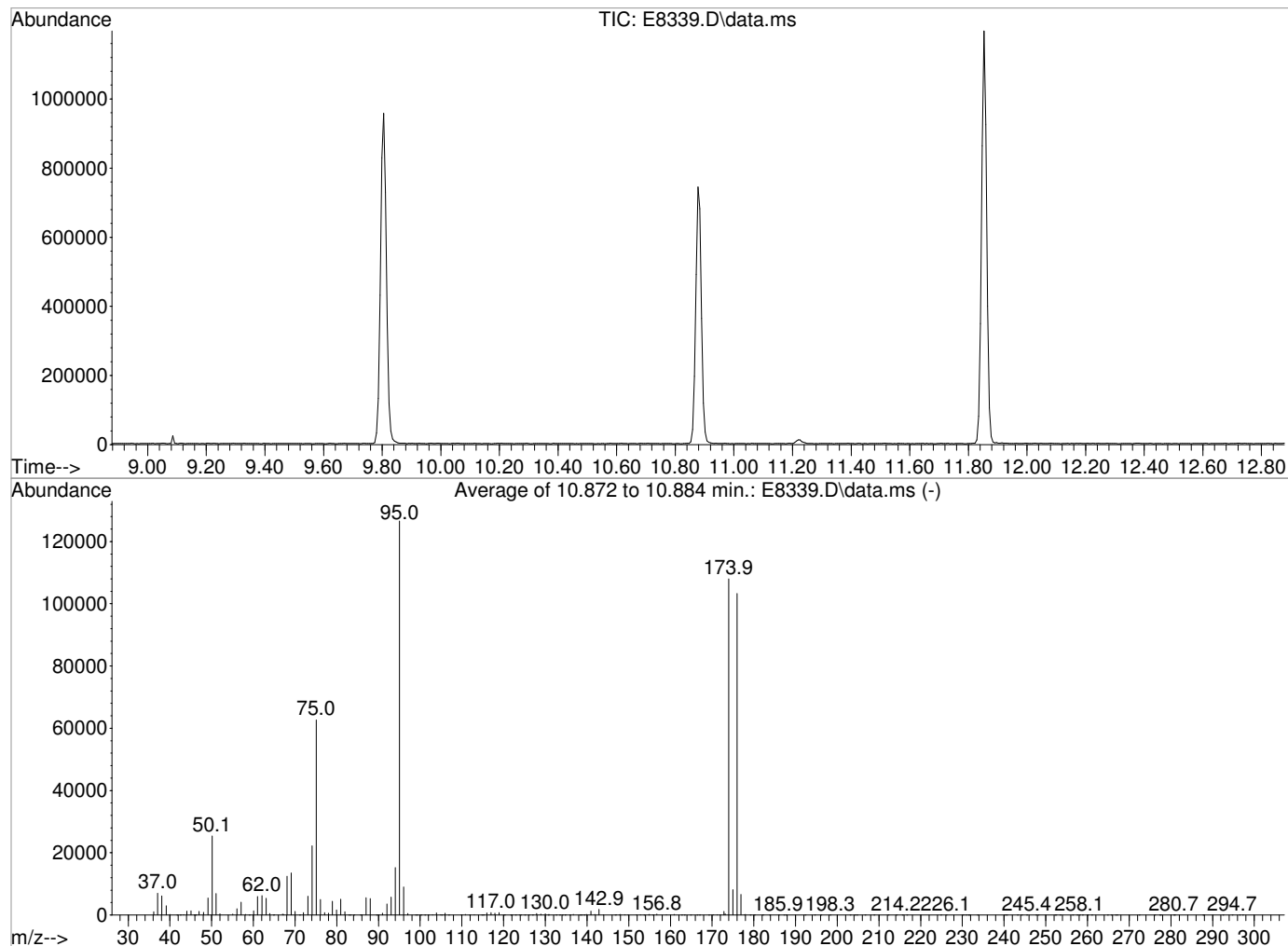


Data Path : I:\ACQUDATA\msvoa10\data\040720\
 Data File : E8339.D
 Acq On : 7 Apr 2020 9:56 am
 Operator : AMOSES
 Sample : TUNE
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W033120.M
 Title : MS#10 - 8260B WATERS 5.0mL Purge
 Last Update : Wed Apr 01 15:18:02 2020



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1596

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	25407	PASS
75	95	30	60	49.5	62693	PASS
95	95	100	100	100.0	126587	PASS
96	95	5	9	7.1	9014	PASS
173	174	0.00	2	1.1	1201	PASS
174	95	50	120	85.3	108021	PASS
175	174	5	9	7.6	8193	PASS
176	174	95	101	95.6	103309	PASS
177	176	5	9	6.4	6628	PASS

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8340.D
Acq On : 7 Apr 2020 10:35 am
Operator : AMOSES
Sample : INST. BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 09 12:14:57 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:51:02 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	362971	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	551485	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	473757	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	249994	50.00	ug/L	0.00

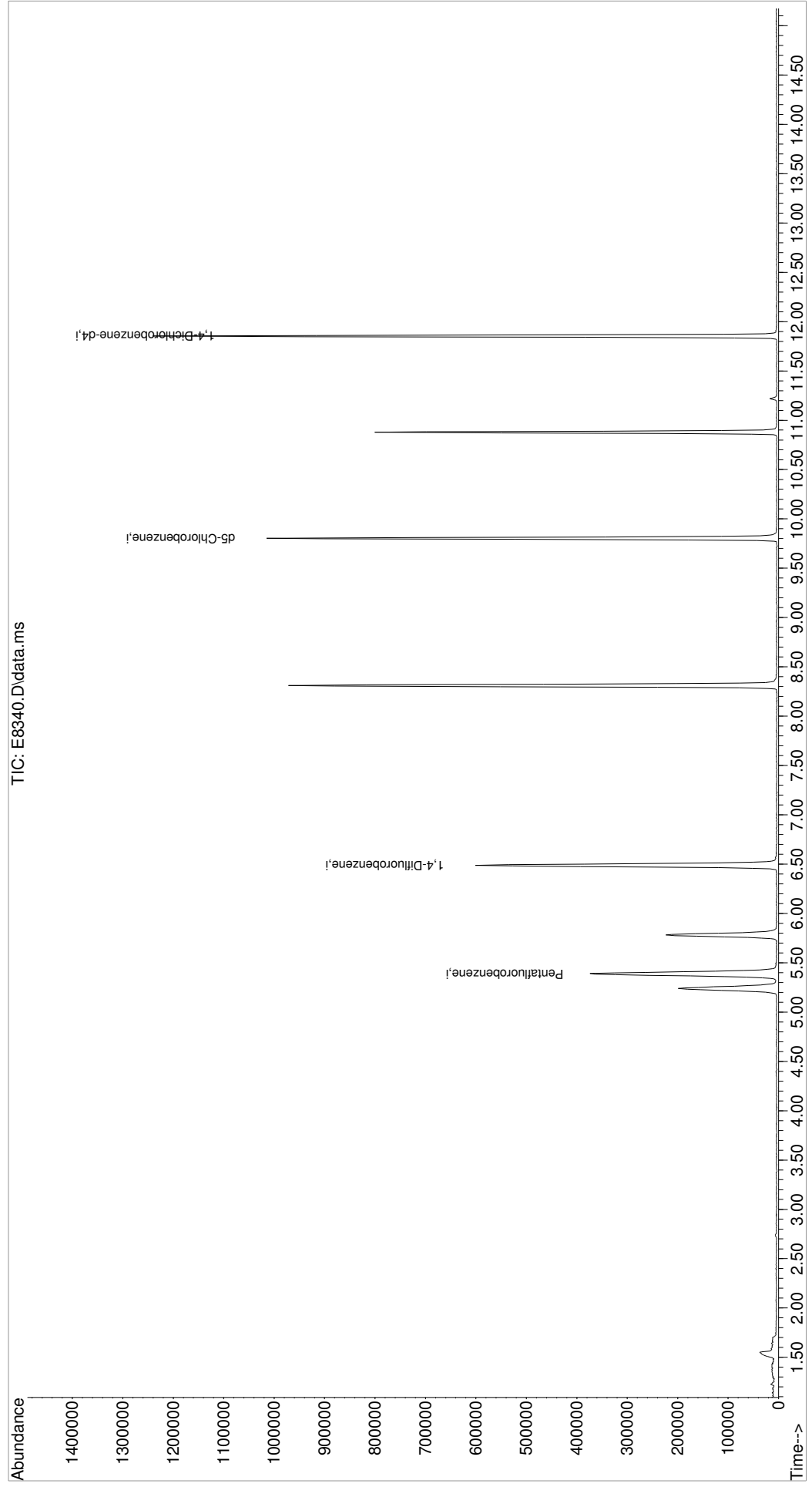
Target Compounds	Qvalue

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

Data Path : I:\ACQUDATA\msvoa10\data\040720\
 Data File : E8340.D
 Acq On : 7 Apr 2020 10:35 am
 Operator : AMOSES
 Sample : INST. BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSV0A10

Quant Time: Apr 09 12:14:57 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Wed Apr 08 08:51:02 2020
 Response via : Initial Calibration



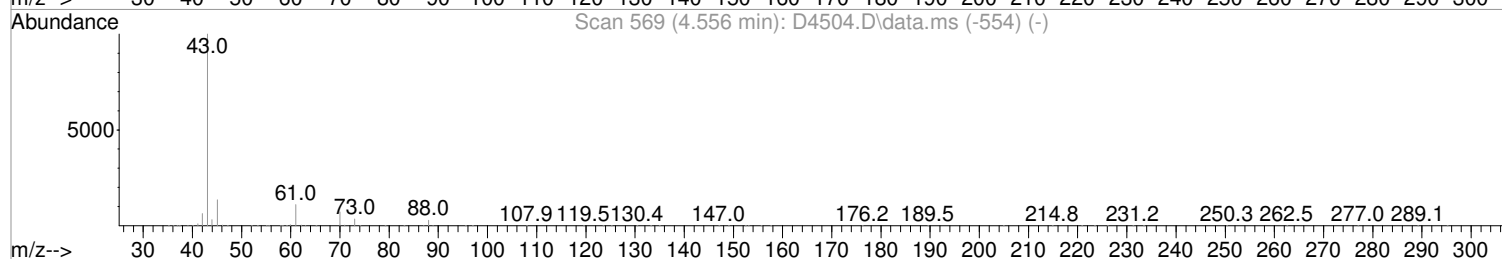
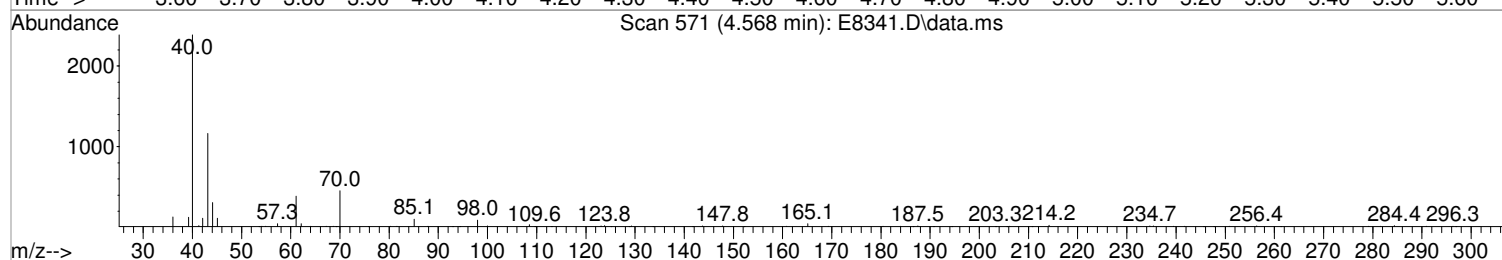
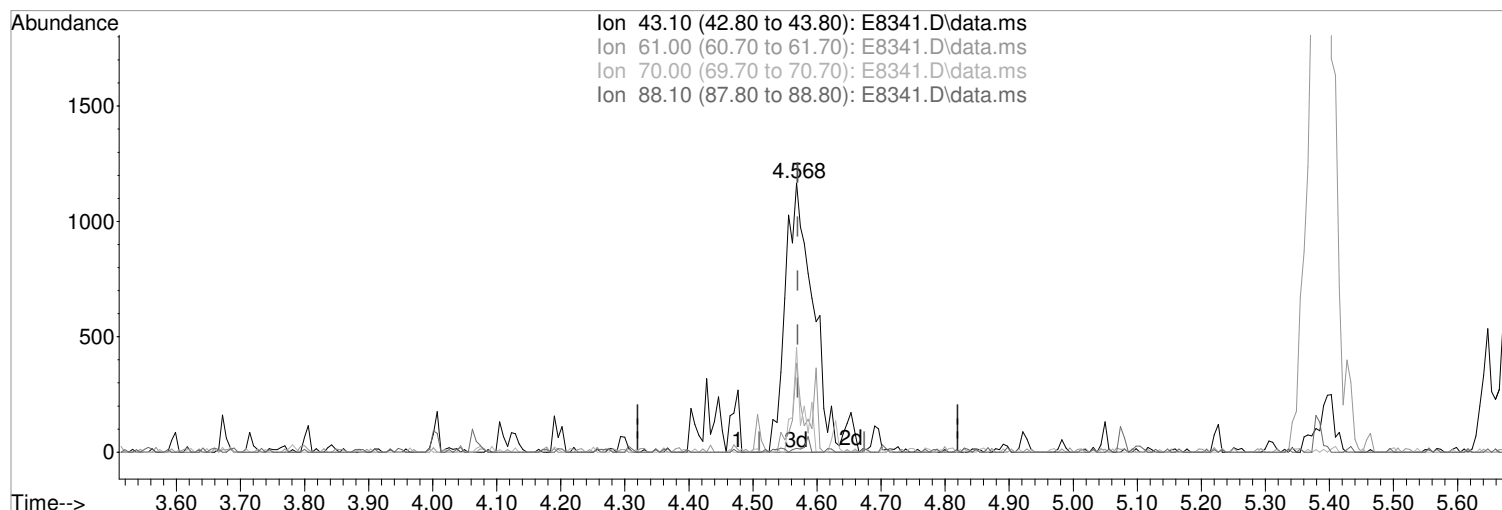
Quantitation Report (Qedit)

1st *AM* 04/09/20
2nd *FJ* 04/09/20

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8341.D
Acq On : 7 Apr 2020 11:00 am
Operator : AMOSES
Sample : 0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 07 11:58:47 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jan 22 14:05:19 2020
Response via : Initial Calibration



(2) Ethyl Acetate

4.568min (-0.002) 0.81 ug/L m

response 3612

Ion	Exp%	Act%
43.10	100	100
61.00	11.70	33.02#
70.00	9.00	38.85#
88.10	3.50	1.37

Manual Integration:

After

Wrong peak selected.

04/07/20

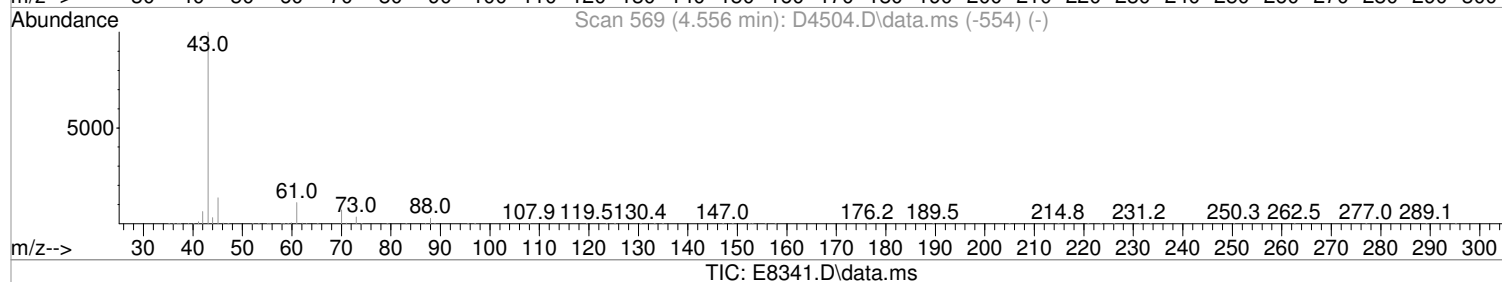
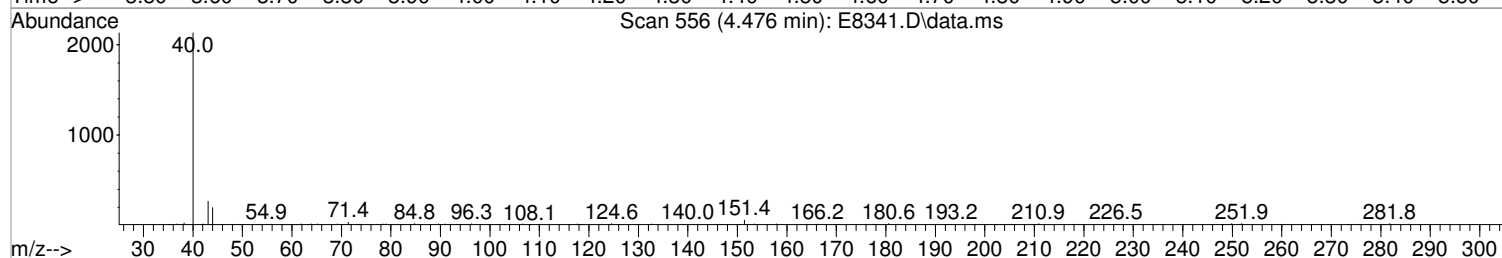
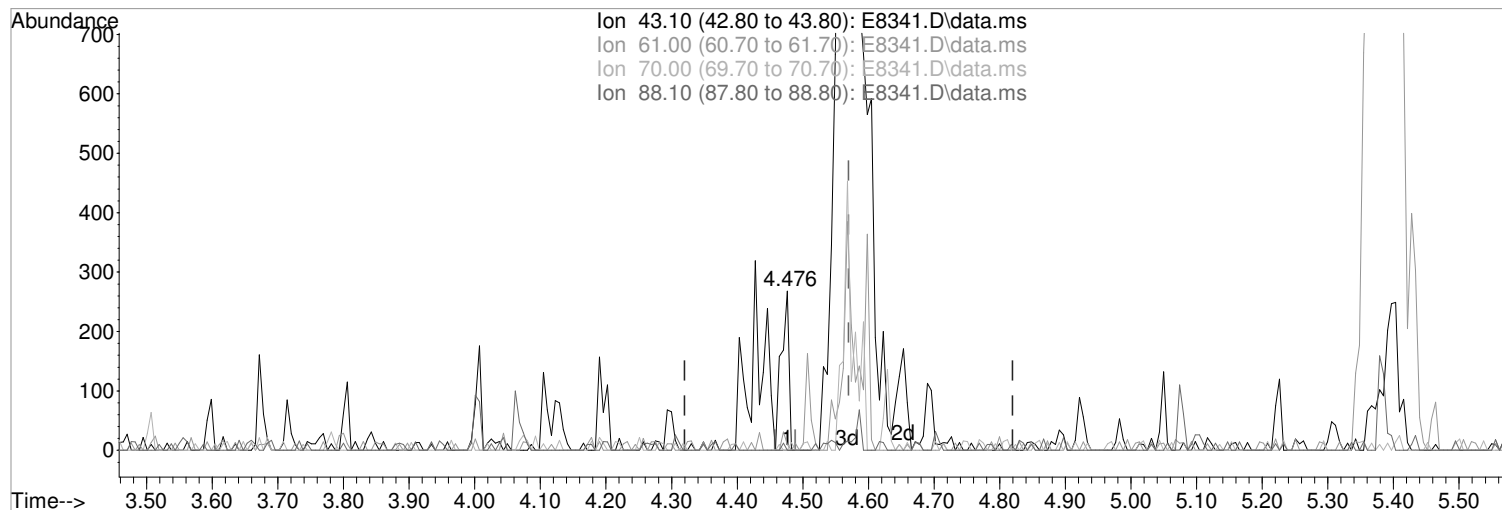
Quantitation Report (Qedit)

1st *AM* 04/09/20
2nd *FJ* 04/09/20

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8341.D
Acq On : 7 Apr 2020 11:00 am
Operator : AMOSES
Sample : 0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 07 11:58:47 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jan 22 14:05:19 2020
Response via : Initial Calibration



(2) Ethyl Acetate
4.476min (-0.094) 0.05 ug/L
response 218

Manual Integration:

Before

Ion	Exp%	Act%
43.10	100	100
61.00	11.70	3.73
70.00	9.00	0.00
88.10	3.50	0.00

04/07/20

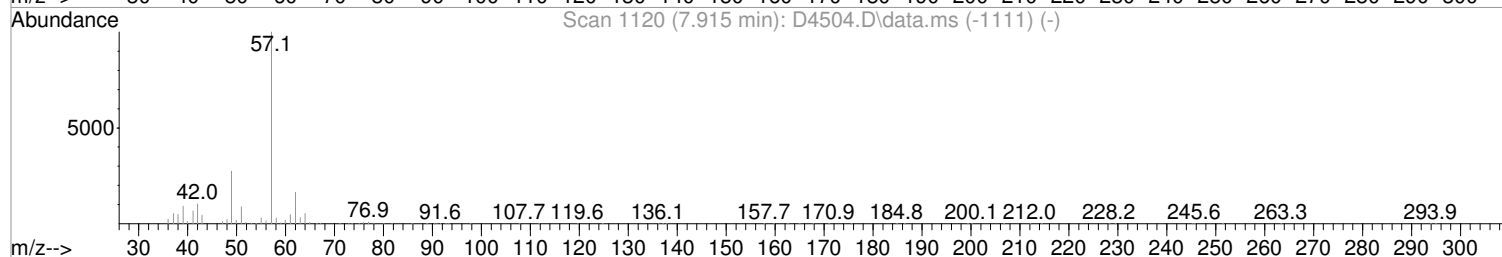
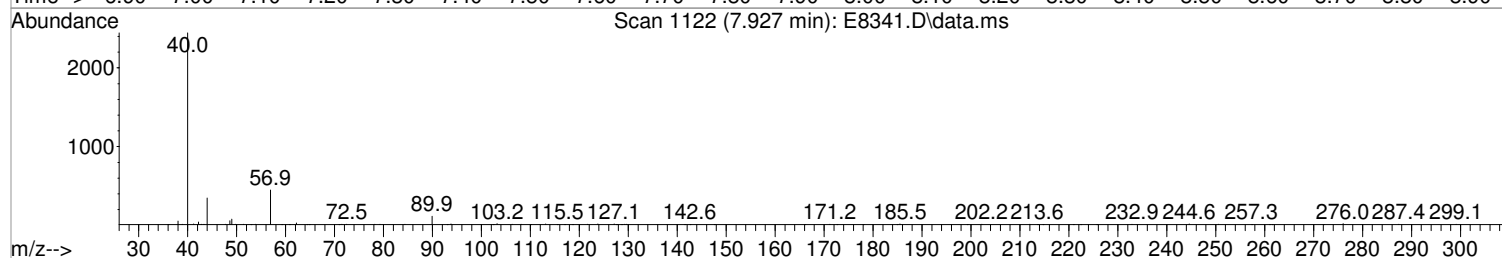
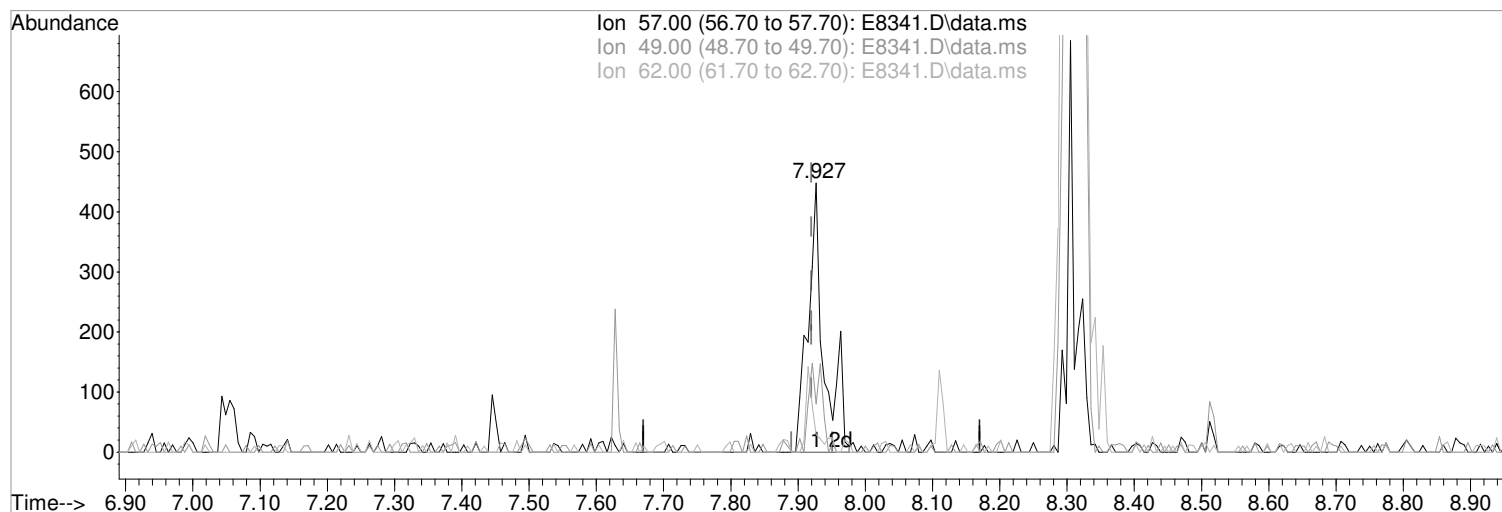
Quantitation Report (Qedit)

1st *AM* 04/09/20
2nd *FJ* 04/09/20

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8341.D
Acq On : 7 Apr 2020 11:00 am
Operator : AMOSES
Sample : 0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 07 11:58:47 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jan 22 14:05:19 2020
Response via : Initial Calibration



TIC: E8341.D\data.ms

(6) Epichlorohydrin

7.927min (+0.007) 1.80 ug/L m

response 739

Ion	Exp%	Act%
57.00	100	100
49.00	26.40	17.86#
62.00	16.50	6.47#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/07/20

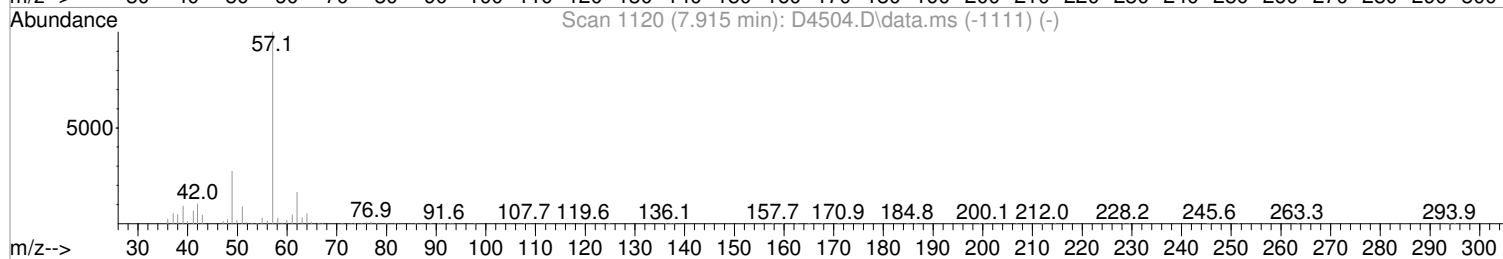
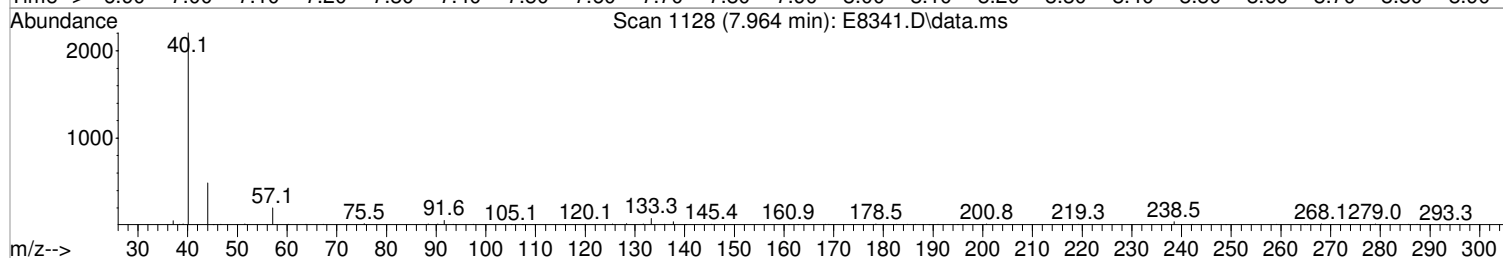
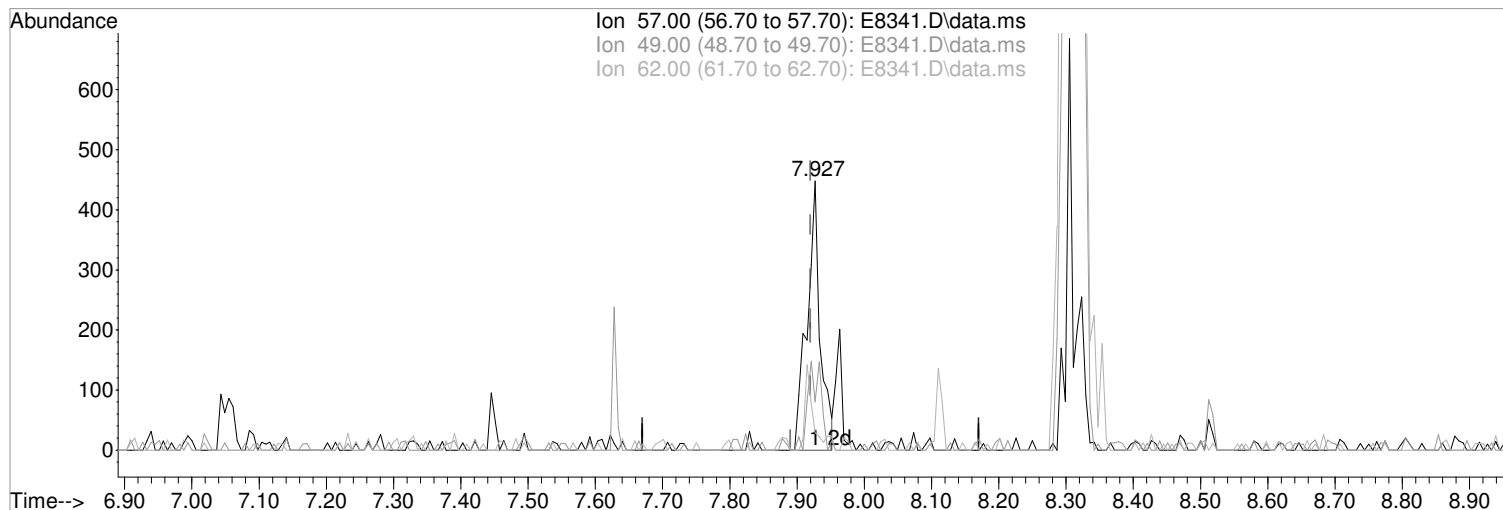
Quantitation Report (Qedit)

1st *AM* 04/09/20
2nd *FJ* 04/09/20

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8341.D
Acq On : 7 Apr 2020 11:00 am
Operator : AMOSES
Sample : 0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 07 11:58:47 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jan 22 14:05:19 2020
Response via : Initial Calibration



TIC: E8341.D\data.ms

(6) Epichlorohydrin

Manual Integration:

7.927min (+0.007) 1.49 ug/L

Before

response 613

Ion	Exp%	Act%
57.00	100	100
49.00	26.40	21.21
62.00	16.50	6.47#
0.00	0.00	0.00

04/07/20

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8341.D
Acq On : 7 Apr 2020 11:00 am
Operator : AMOSES
Sample : 0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 07 11:59:40 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jan 22 14:05:19 2020
Response via : Initial Calibration

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

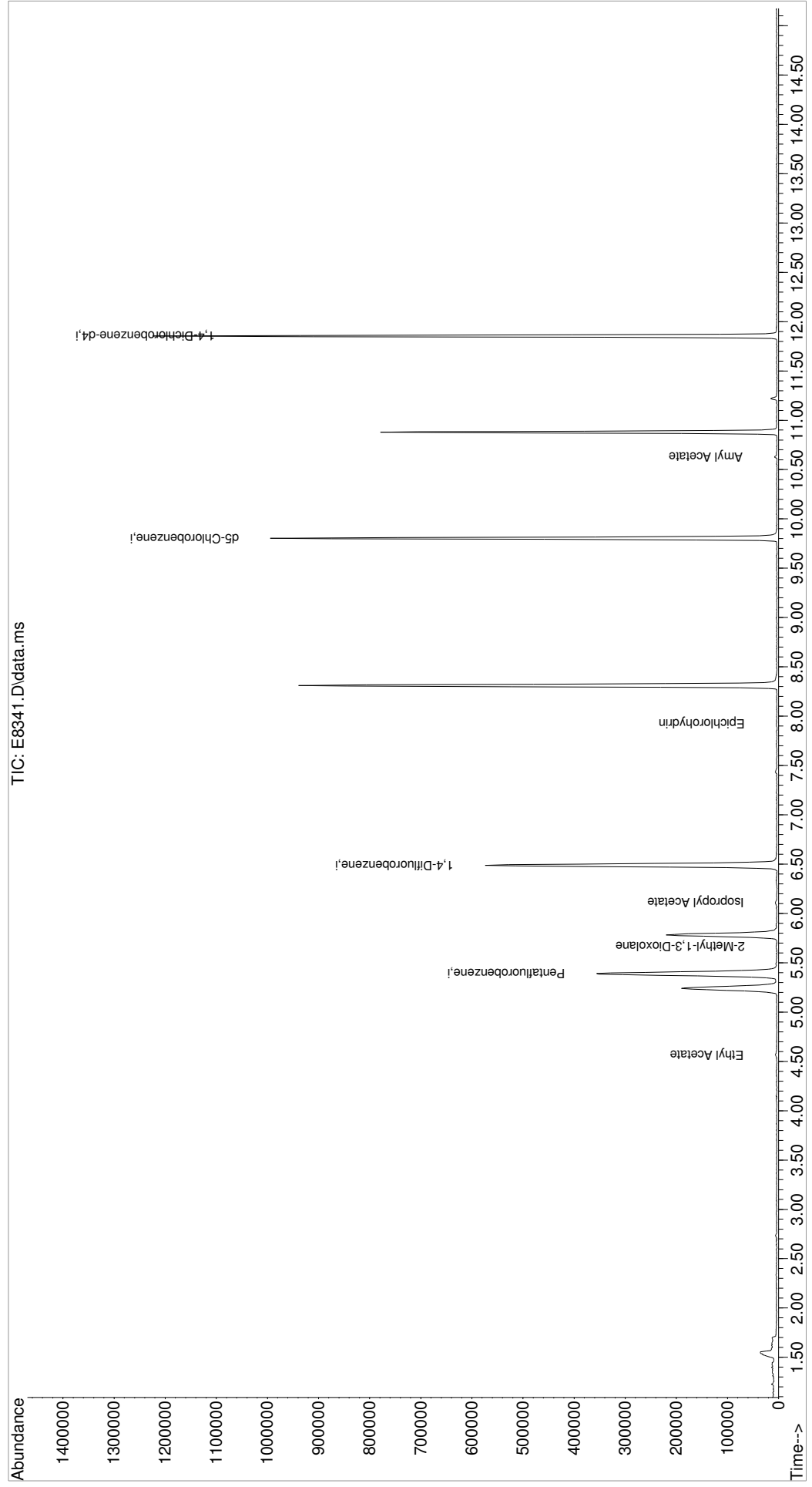
Internal Standards						
1) Pentafluorobenzene	5.391	168	351177	50.00	ug/L	-0.01
3) 1,4-Difluorobenzene	6.488	114	539022	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	463225	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	242118	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.568	43	3612m	0.81	ug/L	
4) 2-Methyl-1,3-Dioxolane	5.665	73	1444	2.30	ug/L #	78
5) Isopropyl Acetate	6.110	43	3892	0.47	ug/L	84
6) Epichlorohydrin	7.927	57	739m	1.80	ug/L	
8) Amyl Acetate	10.628	43	1961	0.32	ug/L #	77

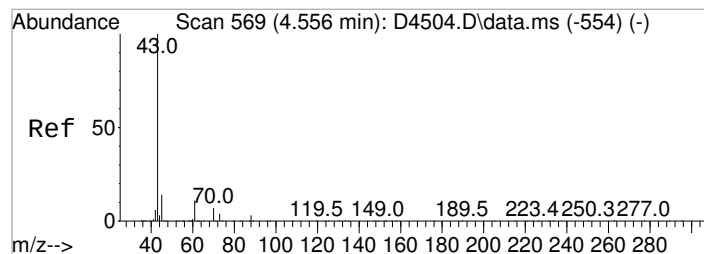
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8341.D
Acq On : 7 Apr 2020 11:00 am
Operator : AMOSES
Sample : 0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSV0A10

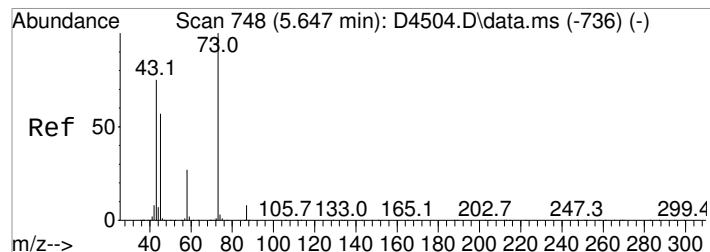
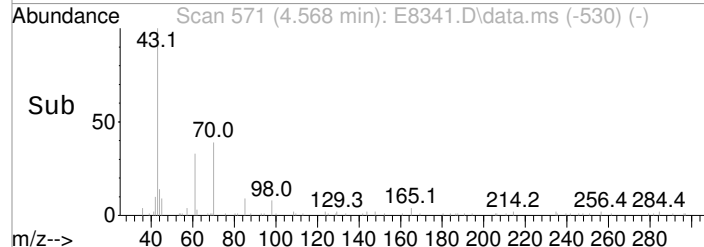
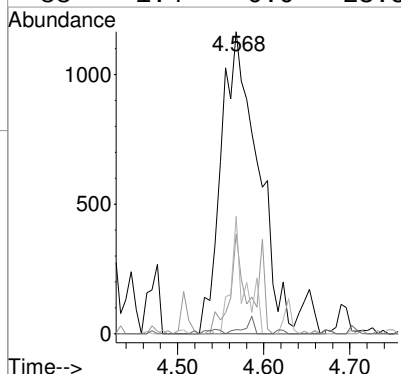
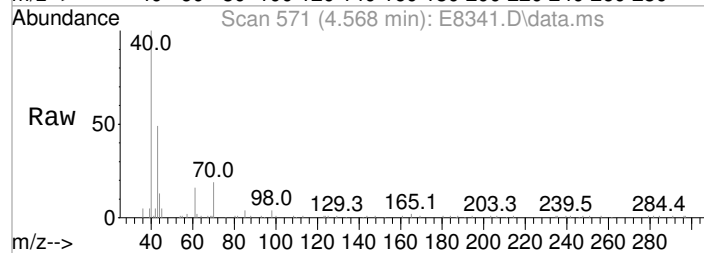
Quant Time: Apr 07 11:59:40 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jan 22 14:05:19 2020
Response via : Initial Calibration





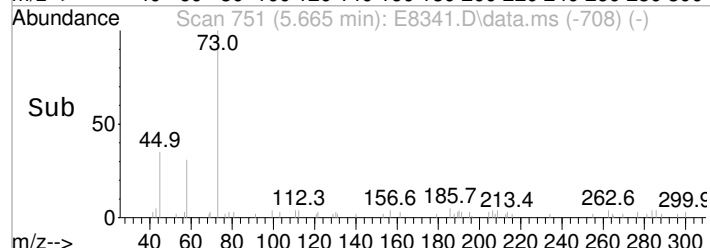
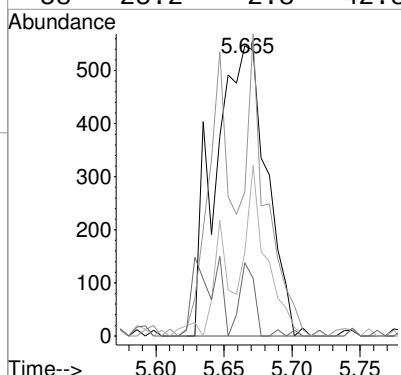
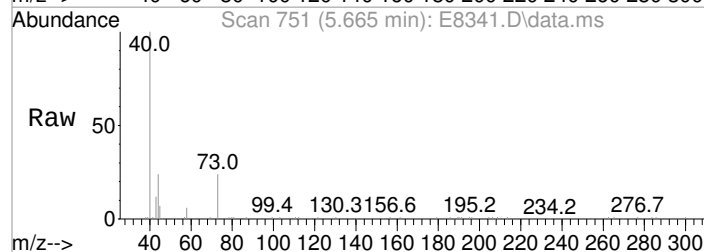
#2
Ethyl Acetate
Concen: 0.81 ug/L m
RT: 4.568 min Scan# 571
Delta R.T. -0.002 min
Lab File: E8341.D
Acq: 7 Apr 2020 11:00 am

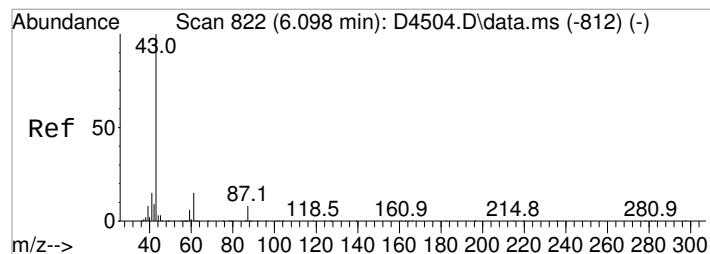
Tgt Ion	Ratio	Lower	Upper
43	100		
61	33.0	0.0	31.7#
70	38.9	0.0	29.0#
88	1.4	0.0	23.5



#4
2-Methyl-1,3-Dioxolane
Concen: 2.30 ug/L
RT: 5.665 min Scan# 751
Delta R.T. 0.010 min
Lab File: E8341.D
Acq: 7 Apr 2020 11:00 am

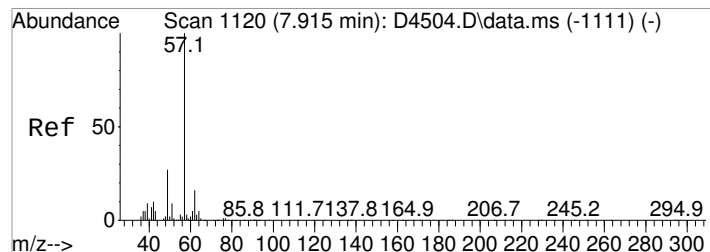
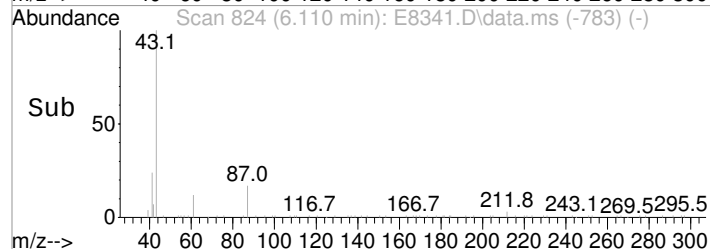
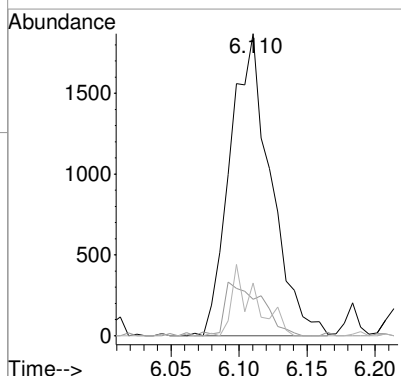
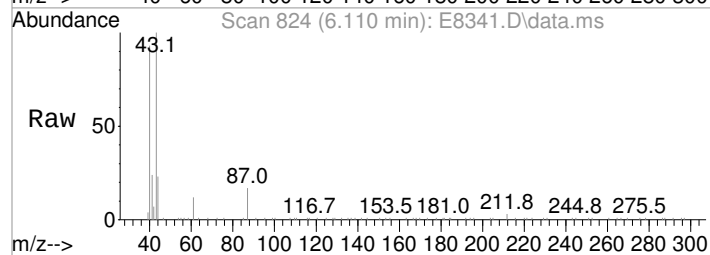
Tgt Ion	Ratio	Lower	Upper
73	100		
43	49.7	41.2	81.2
45	28.9	35.5	75.5#
58	25.2	2.8	42.8





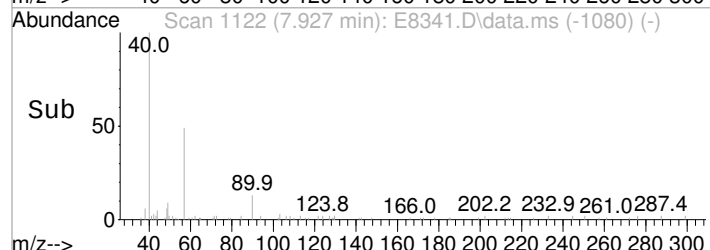
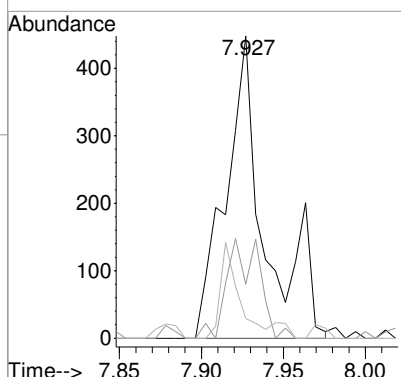
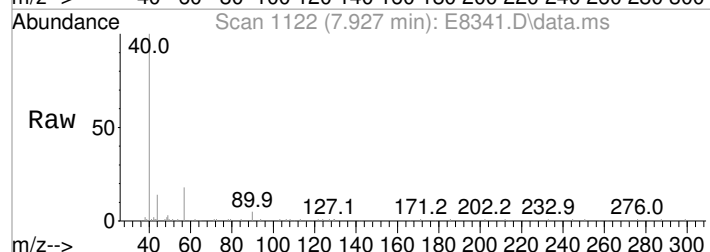
#5
Isopropyl Acetate
Concen: 0.47 ug/L
RT: 6.110 min Scan# 824
Delta R.T. 0.000 min
Lab File: E8341.D
Acq: 7 Apr 2020 11:00 am

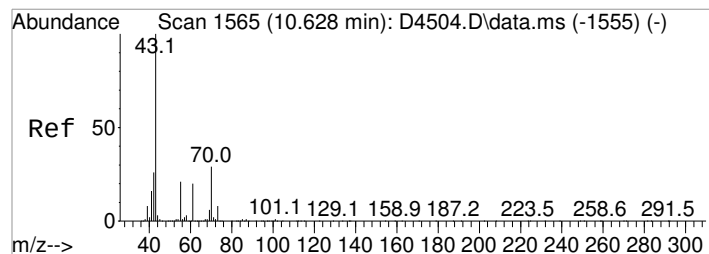
Tgt Ion: 43	Resp: 3892
Ion Ratio	Lower Upper
43 100	
61 12.1	0.0 37.3
87 17.5	0.0 29.3



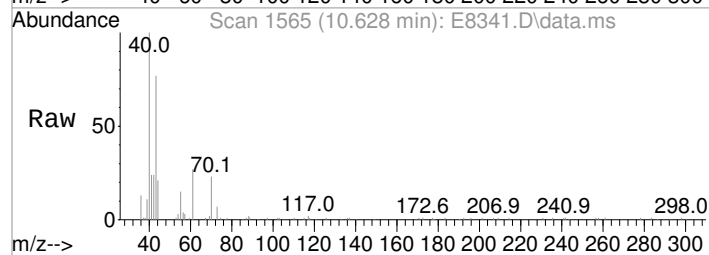
#6
Epichlorohydrin
Concen: 1.80 ug/L m
RT: 7.927 min Scan# 1122
Delta R.T. 0.007 min
Lab File: E8341.D
Acq: 7 Apr 2020 11:00 am

Tgt Ion: 57	Resp: 739
Ion Ratio	Lower Upper
57 100	
49 17.9	21.1 31.7#
62 6.5	13.2 19.8#

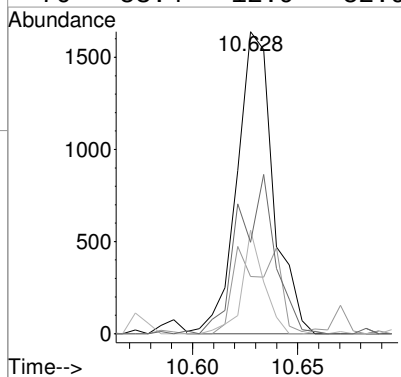
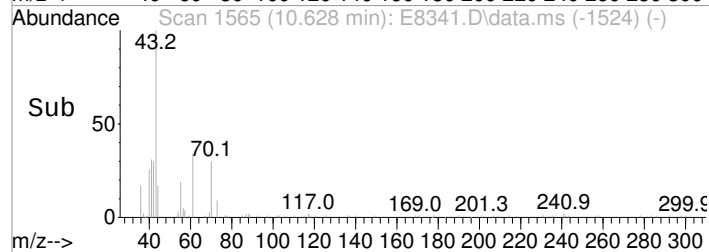




#8
 Amyl Acetate
 Concen: 0.32 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. -0.000 min
 Lab File: E8341.D
 Acq: 7 Apr 2020 11:00 am



Tgt Ion:	43	Resp:	1961
Ion Ratio		Lower	Upper
43	100		
55	31.0	0.1	40.1
61	20.6	1.3	41.3
70	53.4	12.9	52.9#



Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8342.D
Acq On : 7 Apr 2020 11:22 am
Operator : AMOSES
Sample : 1.0
Misc : 624 EK INITIAL CAL.
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 07 11:59:56 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jan 22 14:05:19 2020
Response via : Initial Calibration

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

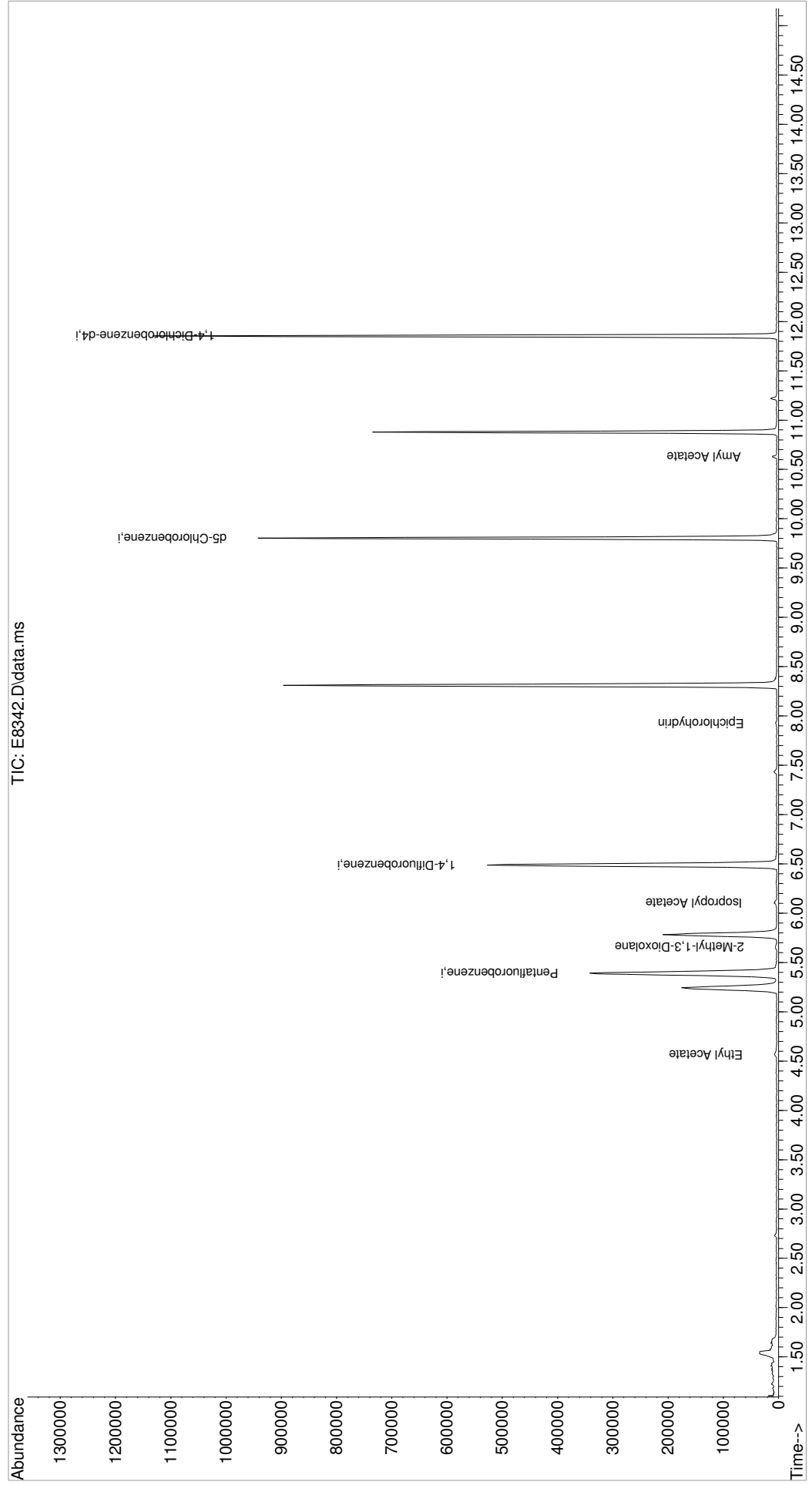
Internal Standards						
1) Pentafluorobenzene	5.391	168	323861	50.00	ug/L	-0.01
3) 1,4-Difluorobenzene	6.488	114	494819	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	432073	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	230468	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.568	43	7119	1.74	ug/L	88
4) 2-Methyl-1,3-Dioxolane	5.659	73	2251	3.91	ug/L #	73
5) Isopropyl Acetate	6.104	43	5867	0.77	ug/L	93
6) Epichlorohydrin	7.927	57	1828	4.84	ug/L #	75
8) Amyl Acetate	10.628	43	3904	0.68	ug/L	91

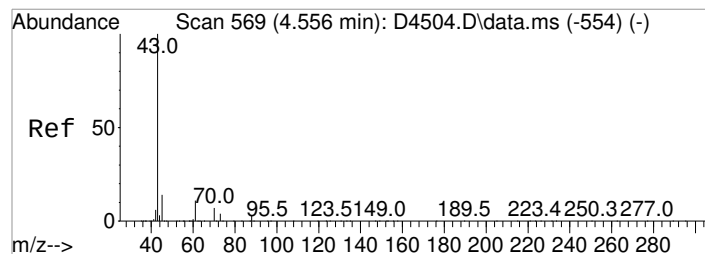
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\040720\
 Data File : E8342.D
 Acq On : 7 Apr 2020 11:22 am
 Operator : AMOSES
 Sample : 1.0
 Misc : 624 EK INITIAL CAL.
 ALS Vial : 4 Sample Multiplier: 1

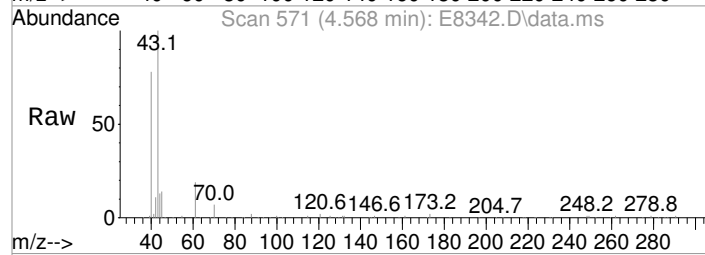
Inst : MSV0A10

Quant Time: Apr 07 11:59:56 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Wed Jan 22 14:05:19 2020
 Response via : Initial Calibration

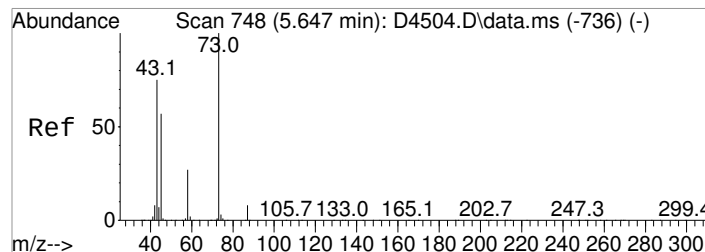
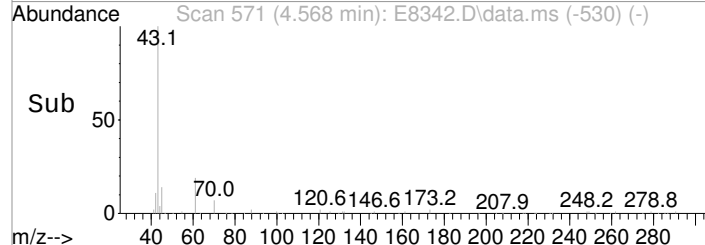
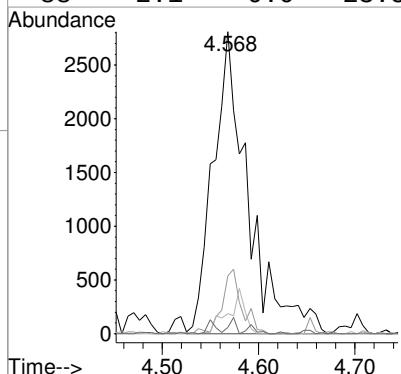




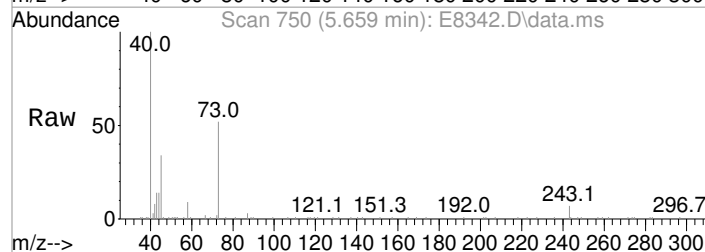
#2
Ethyl Acetate
Concen: 1.74 ug/L
RT: 4.568 min Scan# 571
Delta R.T. -0.002 min
Lab File: E8342.D
Acq: 7 Apr 2020 11:22 am



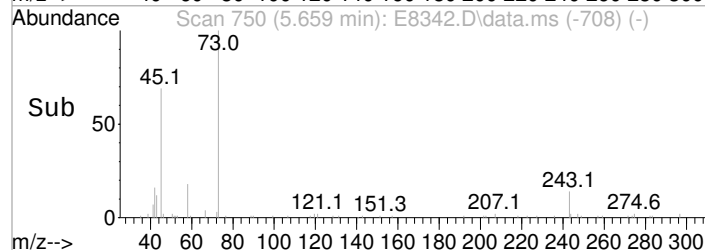
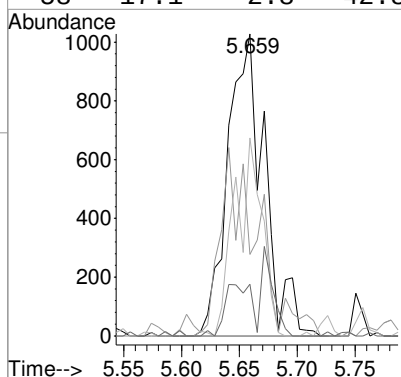
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	0.0	31.7
70	6.7	0.0	29.0
88	2.1	0.0	23.5

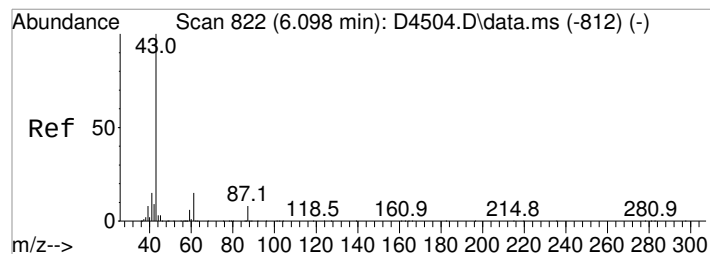


#4
2-Methyl-1,3-Dioxolane
Concen: 3.91 ug/L
RT: 5.659 min Scan# 750
Delta R.T. 0.004 min
Lab File: E8342.D
Acq: 7 Apr 2020 11:22 am



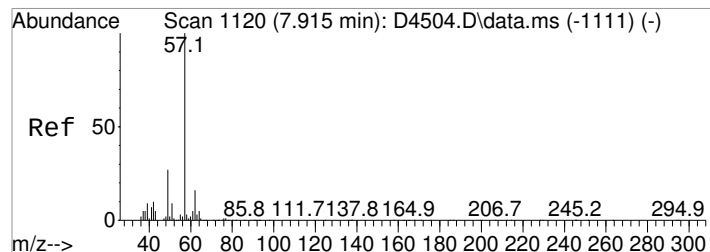
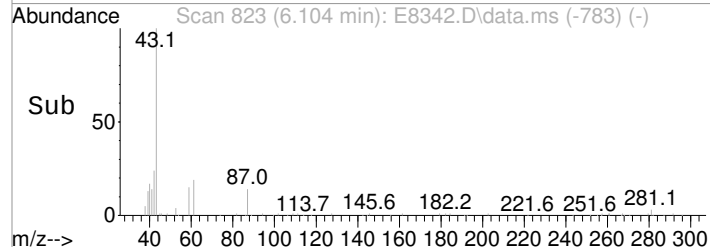
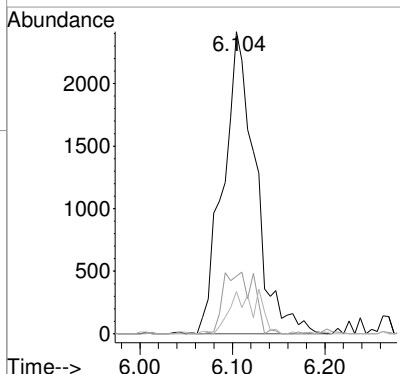
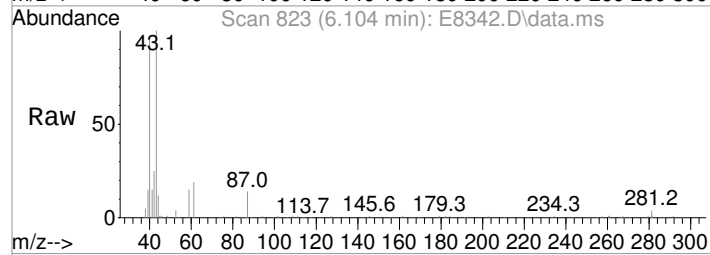
Tgt Ion	Ratio	Lower	Upper
73	100		
43	26.9	41.2	81.2#
45	65.6	35.5	75.5
58	17.1	2.8	42.8





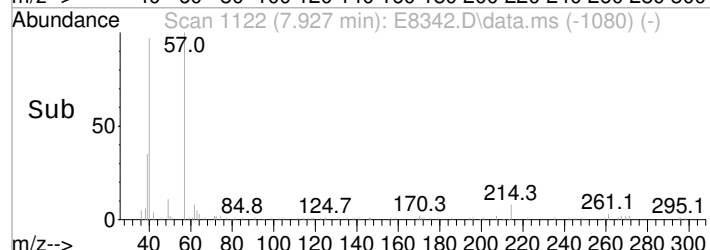
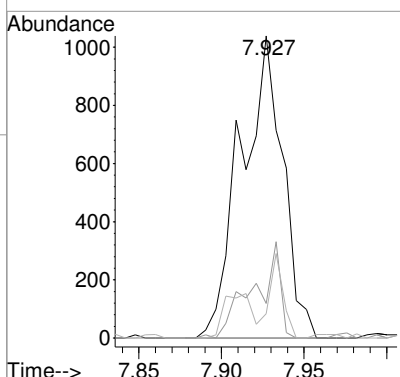
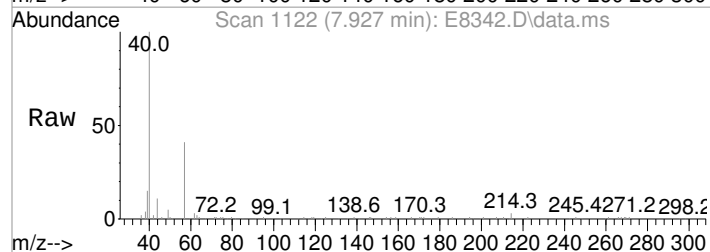
#5
Isopropyl Acetate
Concen: 0.77 ug/L
RT: 6.104 min Scan# 823
Delta R.T. -0.006 min
Lab File: E8342.D
Acq: 7 Apr 2020 11:22 am

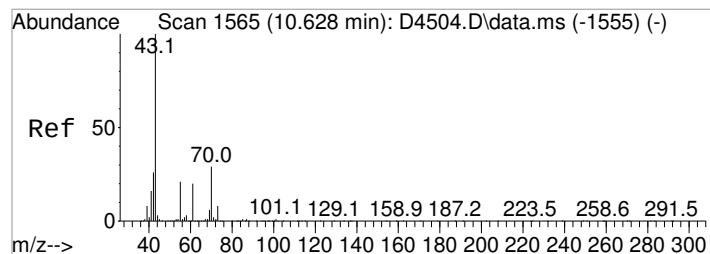
Tgt Ion: 43	Resp: 5867
Ion Ratio	Lower Upper
43 100	
61 19.0	0.0 37.3
87 14.0	0.0 29.3



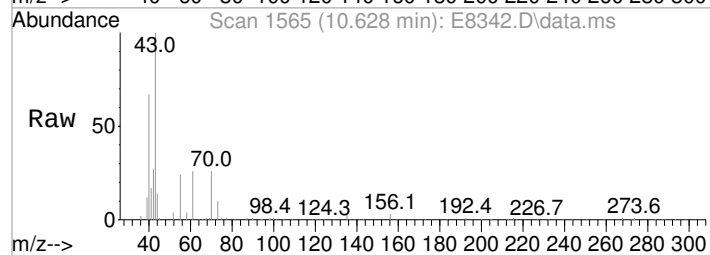
#6
Epichlorohydrin
Concen: 4.84 ug/L
RT: 7.927 min Scan# 1122
Delta R.T. 0.007 min
Lab File: E8342.D
Acq: 7 Apr 2020 11:22 am

Tgt Ion: 57	Resp: 1828
Ion Ratio	Lower Upper
57 100	
49 11.5	21.1 31.7#
62 8.1	13.2 19.8#

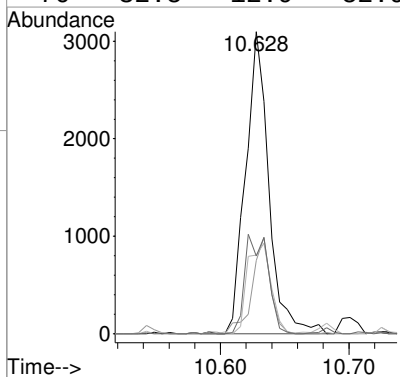
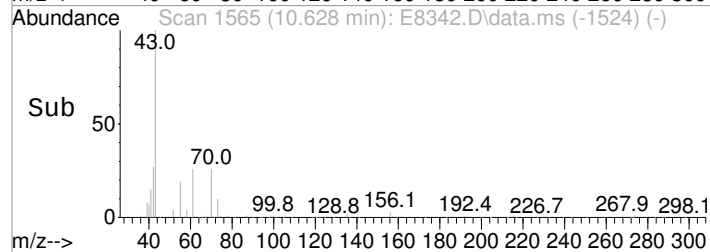




#8
 Amyl Acetate
 Concen: 0.68 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. -0.000 min
 Lab File: E8342.D
 Acq: 7 Apr 2020 11:22 am



Tgt Ion:	43	Resp:	3904
Ion Ratio		Lower	Upper
43	100		
55	25.6	0.1	40.1
61	30.3	1.3	41.3
70	32.5	12.9	52.9



Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8343.D
Acq On : 7 Apr 2020 11:44 am
Operator : AMOSES
Sample : 2.0
Misc : 624 EK INITIAL CAL.
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 07 12:00:25 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Jan 22 14:05:19 2020
Response via : Initial Calibration

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

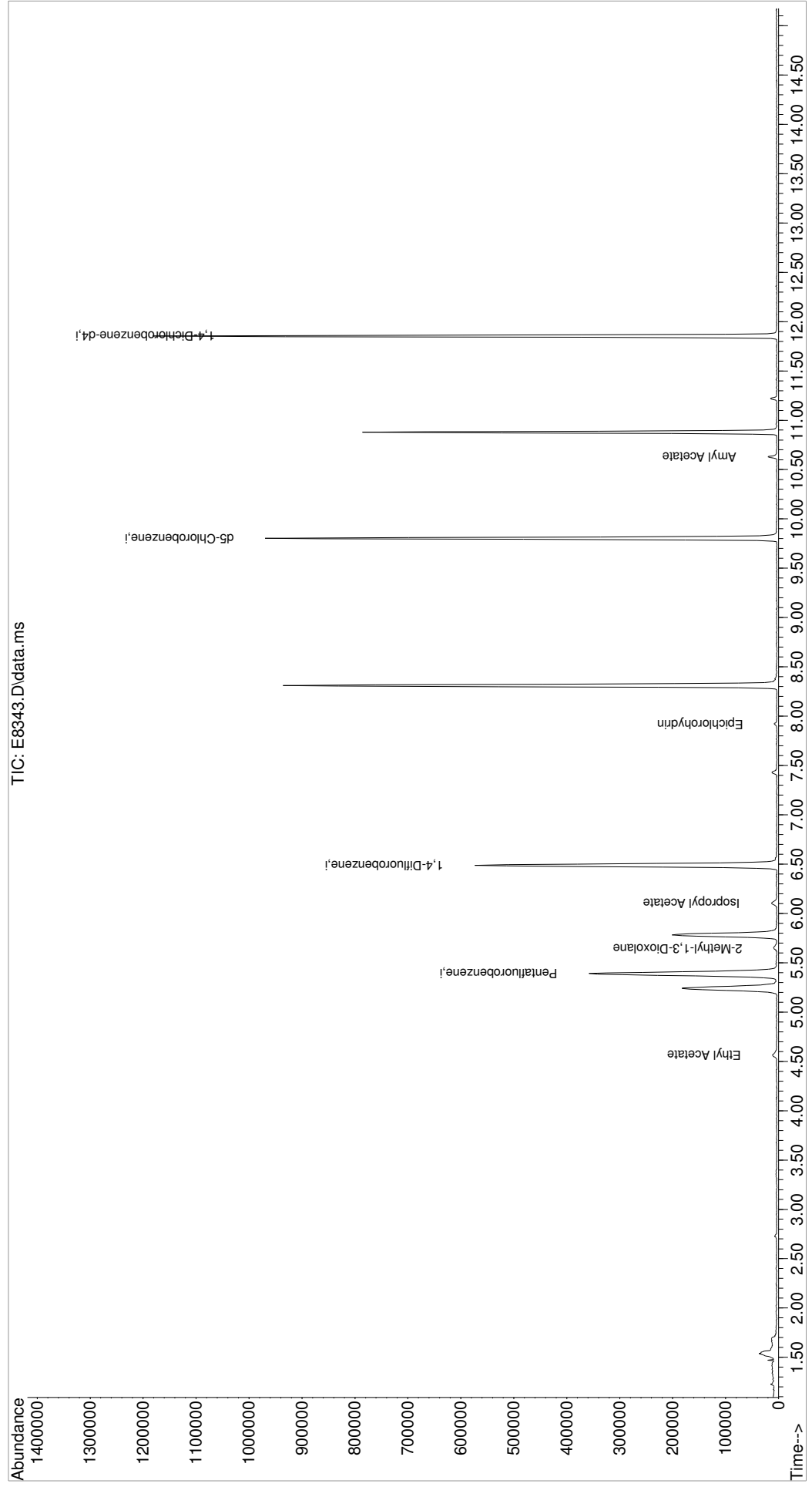
Internal Standards						
1) Pentafluorobenzene	5.391	168	342413	50.00	ug/L	-0.01
3) 1,4-Difluorobenzene	6.488	114	529166	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	456793	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	238573	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.562	43	13631	3.15	ug/L	91
4) 2-Methyl-1,3-Dioxolane	5.647	73	5933	9.64	ug/L	81
5) Isopropyl Acetate	6.104	43	12516	1.54	ug/L	95
6) Epichlorohydrin	7.915	57	3478	8.61	ug/L #	83
8) Amyl Acetate	10.628	43	8357	1.37	ug/L	89

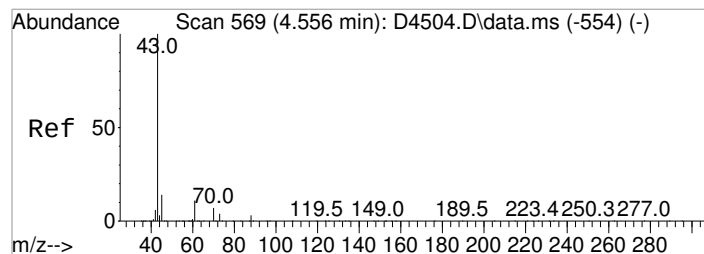
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\040720\
 Data File : E8343.D
 Acq On : 7 Apr 2020 11:44 am
 Operator : AMOSES
 Sample : 2.0
 Misc : 624 EK INITIAL CAL.
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSV0A10

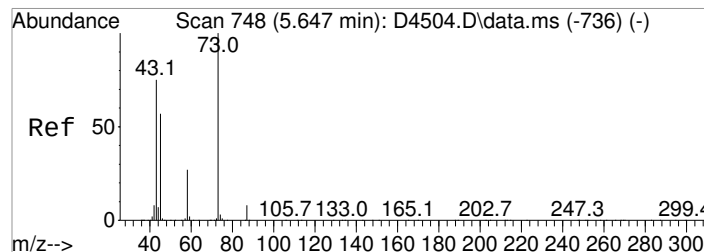
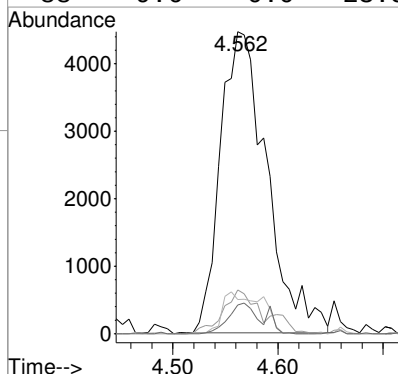
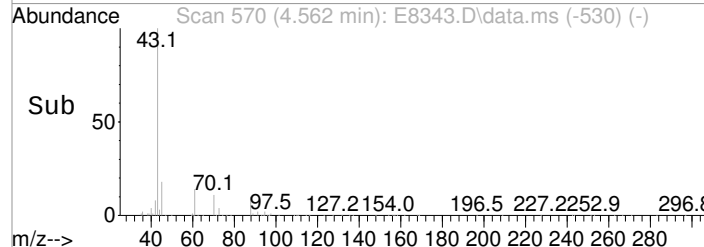
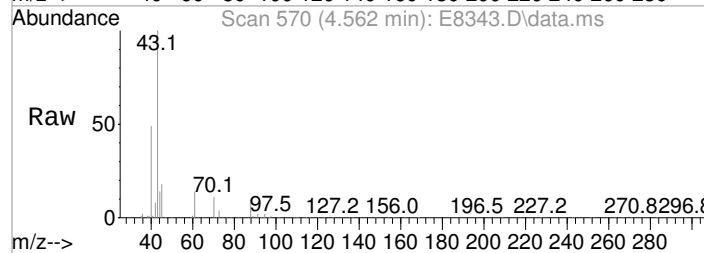
Quant Time: Apr 07 12:00:25 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Wed Jan 22 14:05:19 2020
 Response via : Initial Calibration





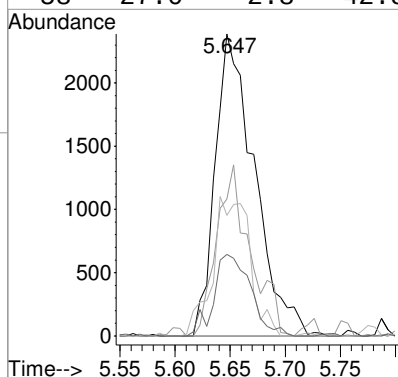
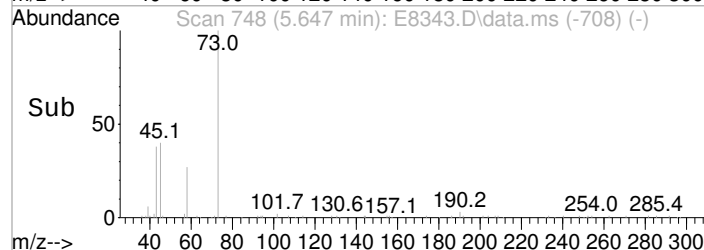
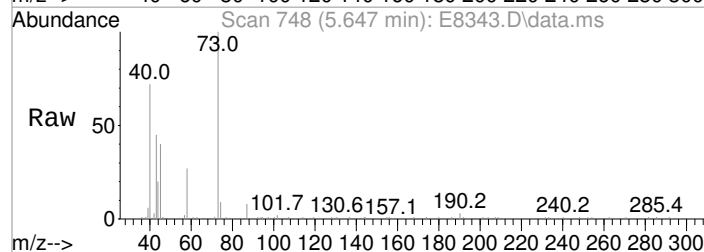
#2
Ethyl Acetate
Concen: 3.15 ug/L
RT: 4.562 min Scan# 570
Delta R.T. -0.008 min
Lab File: E8343.D
Acq: 7 Apr 2020 11:44 am

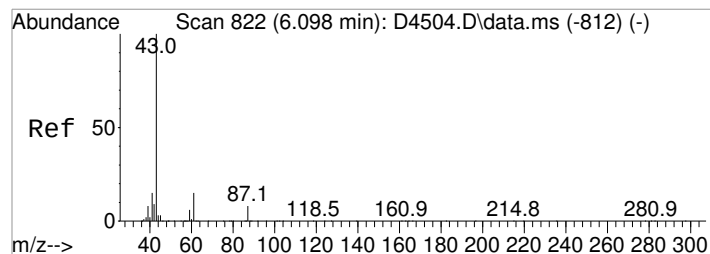
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	13631		
61	14.5	0.0	31.7	
70	11.3	0.0	29.0	
88	9.6	0.0	23.5	



#4
2-Methyl-1,3-Dioxolane
Concen: 9.64 ug/L
RT: 5.647 min Scan# 748
Delta R.T. -0.008 min
Lab File: E8343.D
Acq: 7 Apr 2020 11:44 am

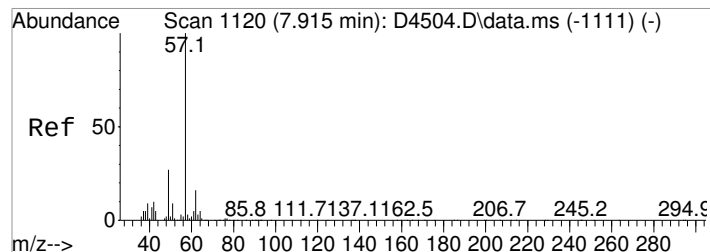
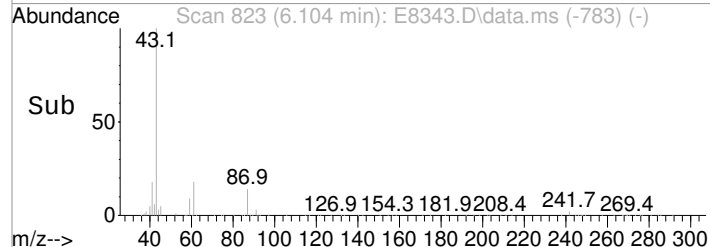
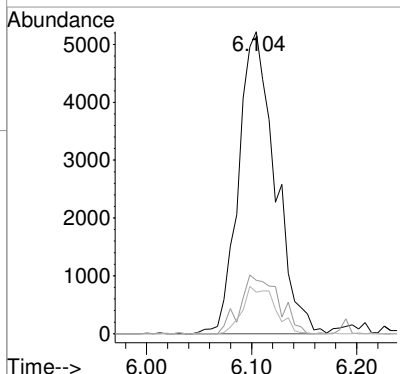
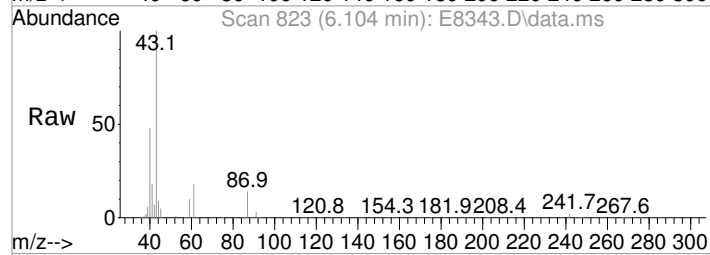
Tgt Ion	Ratio	Resp	Lower	Upper
73	100	5933		
43	45.3	41.2	81.2	
45	39.9	35.5	75.5	
58	27.0	2.8	42.8	





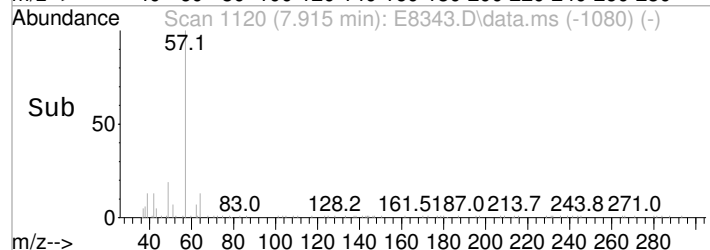
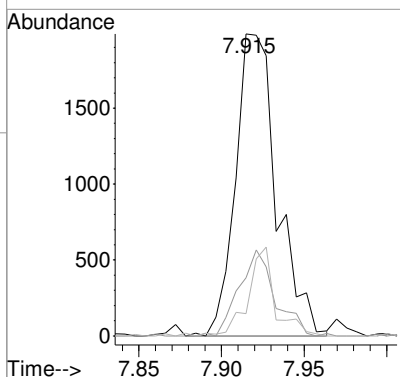
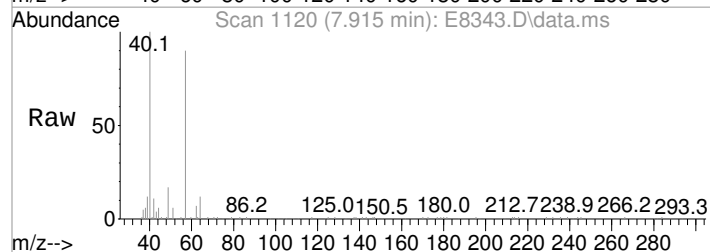
#5
Isopropyl Acetate
Concen: 1.54 ug/L
RT: 6.104 min Scan# 823
Delta R.T. -0.006 min
Lab File: E8343.D
Acq: 7 Apr 2020 11:44 am

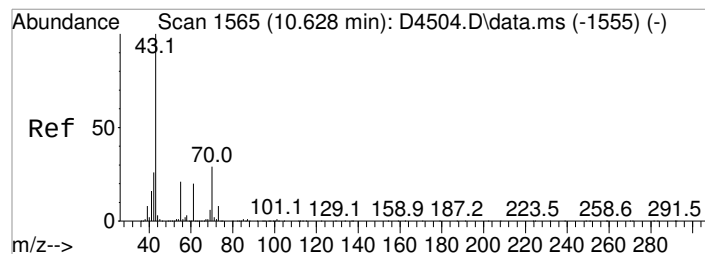
Tgt Ion: 43 Resp: 12516
Ion Ratio Lower Upper
43 100
61 17.7 0.0 37.3
87 13.7 0.0 29.3



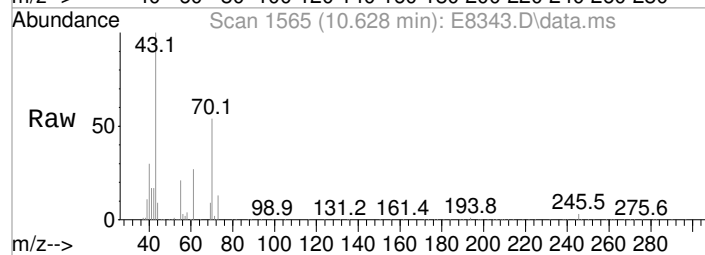
#6
Epichlorohydrin
Concen: 8.61 ug/L
RT: 7.915 min Scan# 1120
Delta R.T. -0.005 min
Lab File: E8343.D
Acq: 7 Apr 2020 11:44 am

Tgt Ion: 57 Resp: 3478
Ion Ratio Lower Upper
57 100
49 19.3 21.1 31.7#
62 7.3 13.2 19.8#

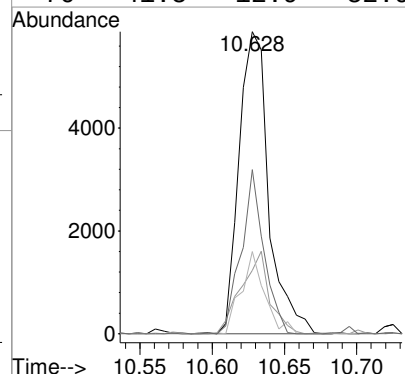
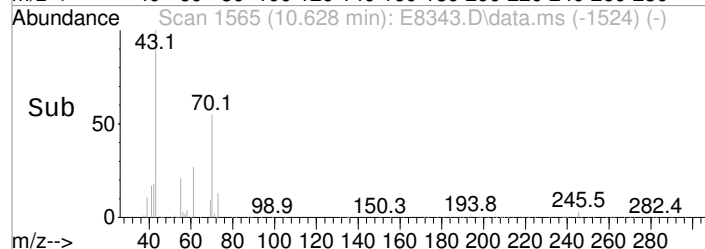




#8
 Amyl Acetate
 Concen: 1.37 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. -0.000 min
 Lab File: E8343.D
 Acq: 7 Apr 2020 11:44 am



Tgt Ion:	43	Resp:	8357
Ion Ratio		Lower	Upper
43	100		
55	26.2	0.1	40.1
61	21.6	1.3	41.3
70	41.5	12.9	52.9



Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8344.D
Acq On : 7 Apr 2020 12:06 pm
Operator : AMOSES
Sample : 5.0
Misc : 624 EK INITIAL CAL.
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 07 12:22:56 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Tue Apr 07 12:01:19 2020
Response via : Initial Calibration

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

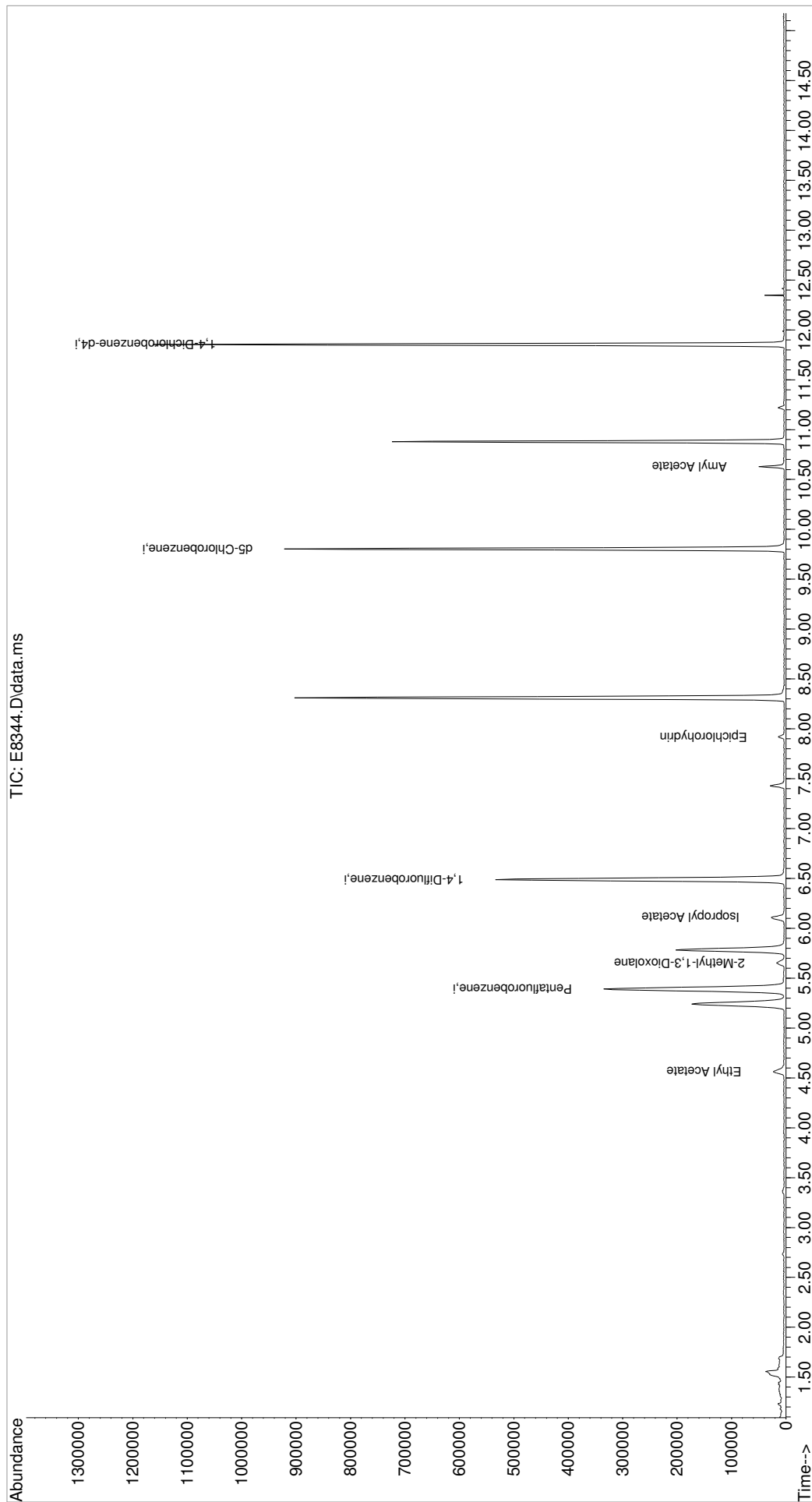
Internal Standards						
1) Pentafluorobenzene	5.391	168	319959	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	495623	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	430037	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	231167	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.562	43	33661	10.11	ug/L	95
4) 2-Methyl-1,3-Dioxolane	5.653	73	13800	26.92	ug/L #	88
5) Isopropyl Acetate	6.110	43	30333	4.82	ug/L	95
6) Epichlorohydrin	7.915	57	7672	23.88	ug/L #	86
8) Amyl Acetate	10.628	43	20332	5.32	ug/L	89

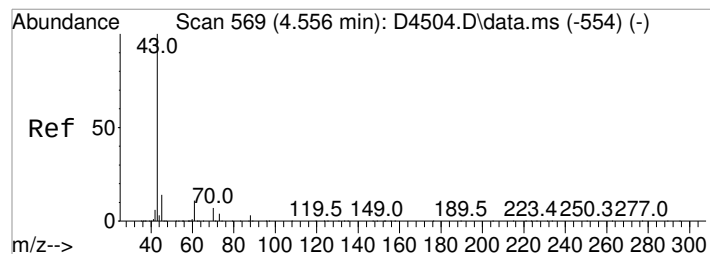
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8344.D
Acq On : 7 Apr 2020 12:06 pm
Operator : AMOSES
Sample : 5.0
Misc : 624 EK INITIAL CAL.
ALS Vial : 6 Sample Multiplier: 1

Inst : MSV0A10

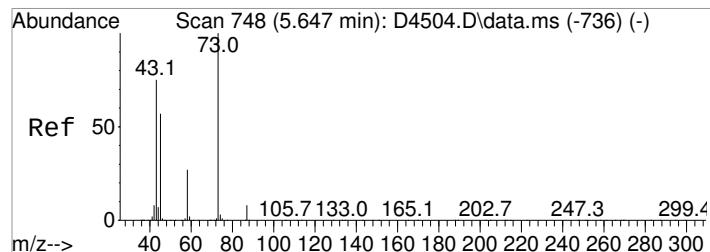
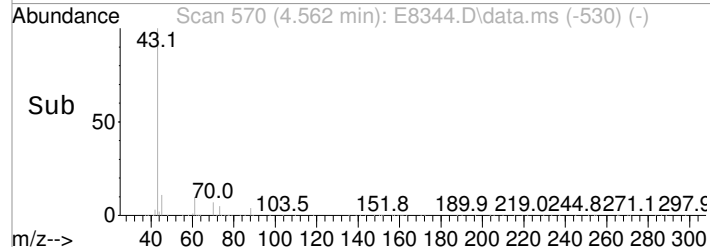
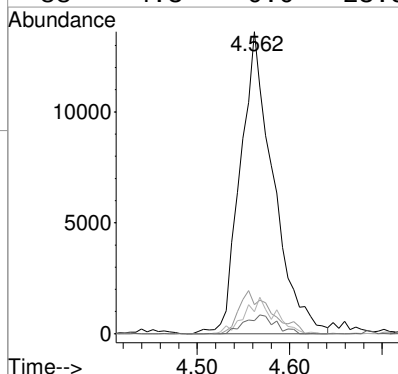
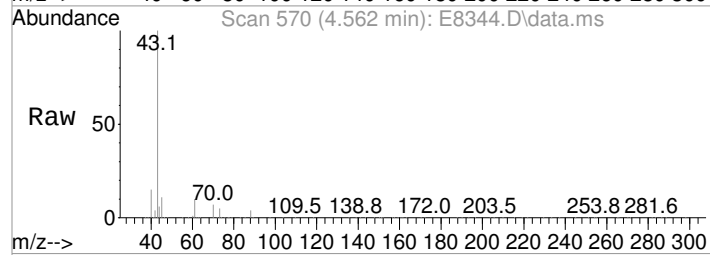
Quant Time: Apr 07 12:22:56 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Tue Apr 07 12:01:19 2020
Response via : Initial Calibration





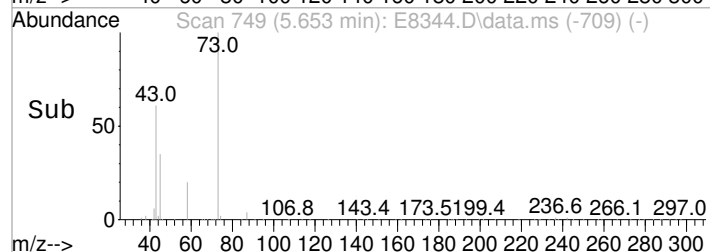
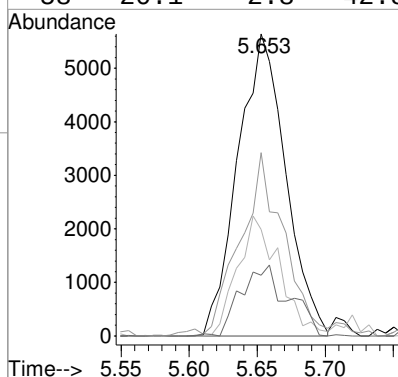
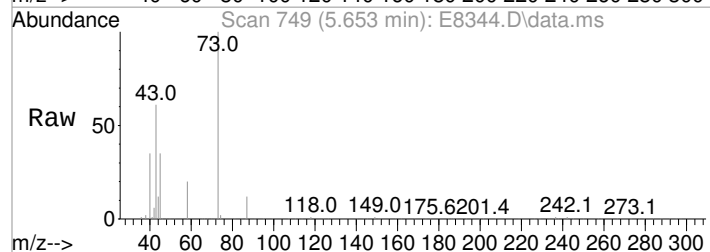
#2
Ethyl Acetate
Concen: 10.11 ug/L
RT: 4.562 min Scan# 570
Delta R.T. -0.005 min
Lab File: E8344.D
Acq: 7 Apr 2020 12:06 pm

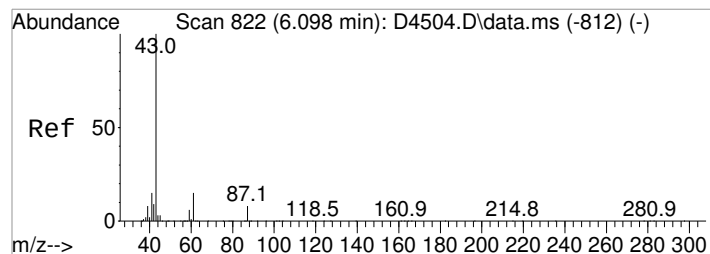
Tgt Ion	Ratio	Lower	Upper
43	100		
61	9.6	0.0	31.7
70	7.3	0.0	29.0
88	4.3	0.0	23.5



#4
2-Methyl-1,3-Dioxolane
Concen: 26.92 ug/L
RT: 5.653 min Scan# 749
Delta R.T. -0.007 min
Lab File: E8344.D
Acq: 7 Apr 2020 12:06 pm

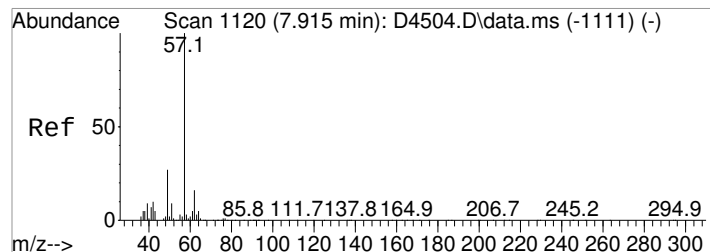
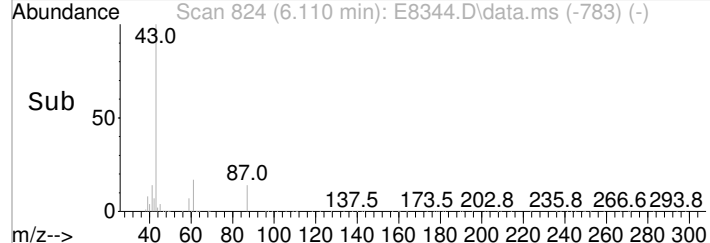
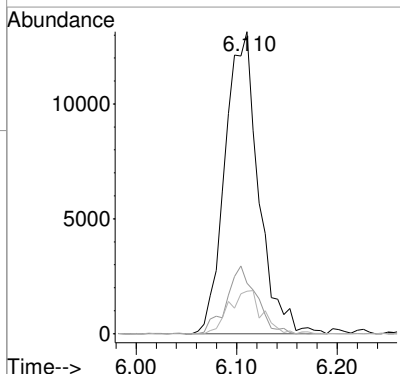
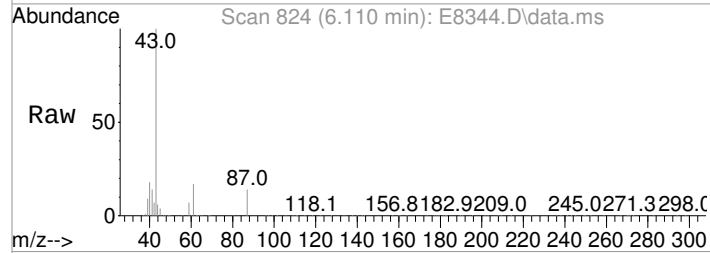
Tgt Ion	Ratio	Lower	Upper
73	100		
43	60.6	41.2	81.2
45	35.3	35.5	75.5#
58	20.1	2.8	42.8





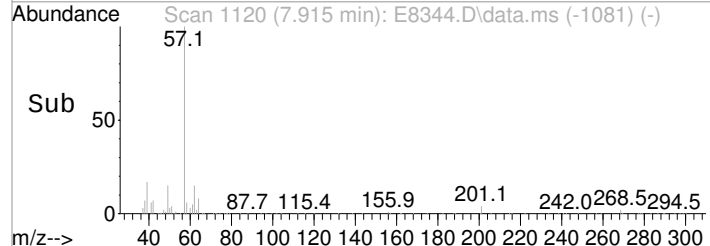
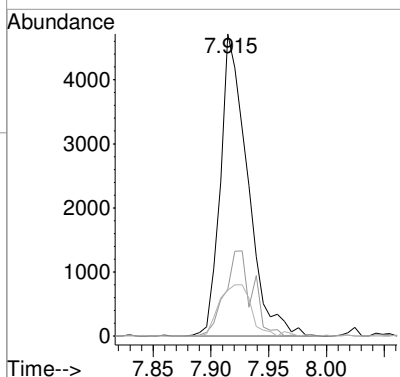
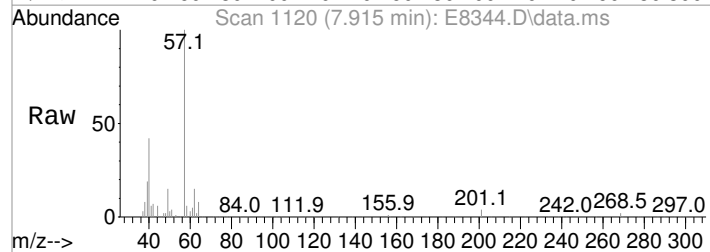
#5
Isopropyl Acetate
Concen: 4.82 ug/L
RT: 6.110 min Scan# 824
Delta R.T. 0.003 min
Lab File: E8344.D
Acq: 7 Apr 2020 12:06 pm

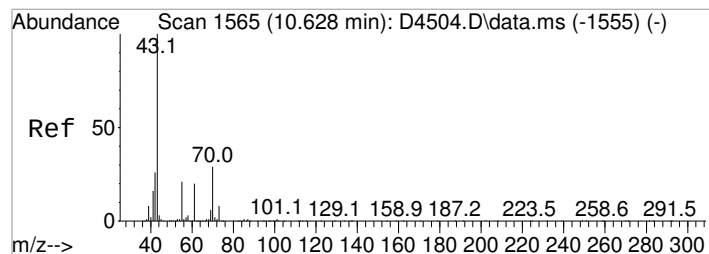
Tgt Ion:	43	Resp:	30333
Ion Ratio	Lower	Upper	
43	100		
61	16.8	0.0	37.3
87	14.1	0.0	29.3



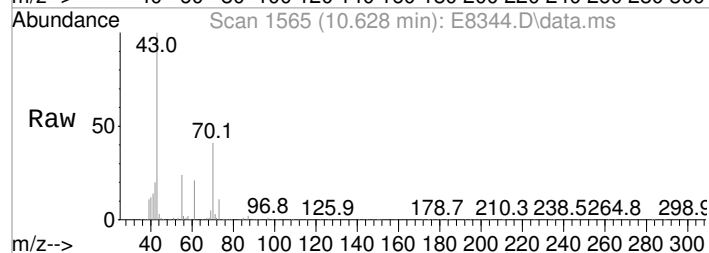
#6
Epichlorohydrin
Concen: 23.88 ug/L
RT: 7.915 min Scan# 1120
Delta R.T. -0.009 min
Lab File: E8344.D
Acq: 7 Apr 2020 12:06 pm

Tgt Ion:	57	Resp:	7672
Ion Ratio	Lower	Upper	
57	100		
49	15.5	21.1	31.7#
62	15.2	13.2	19.8

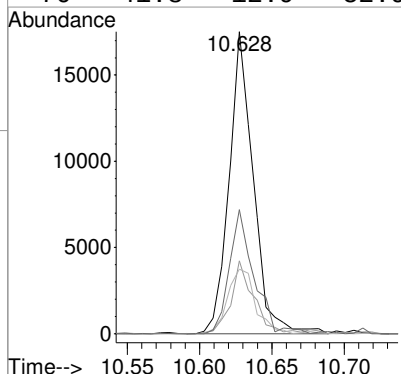
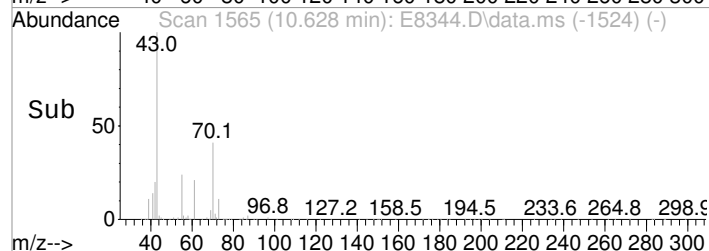




#8
 Amyl Acetate
 Concen: 5.32 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. -0.000 min
 Lab File: E8344.D
 Acq: 7 Apr 2020 12:06 pm



Tgt Ion:	43	Resp:	20332
Ion Ratio		Lower	Upper
43	100		
55	22.7	0.1	40.1
61	24.7	1.3	41.3
70	41.8	12.9	52.9



Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8345.D
Acq On : 7 Apr 2020 12:28 pm
Operator : AMOSES
Sample : 20
Misc : 624 EK INITIAL CAL.
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 08 08:49:34 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Tue Apr 07 12:23:11 2020
Response via : Initial Calibration

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

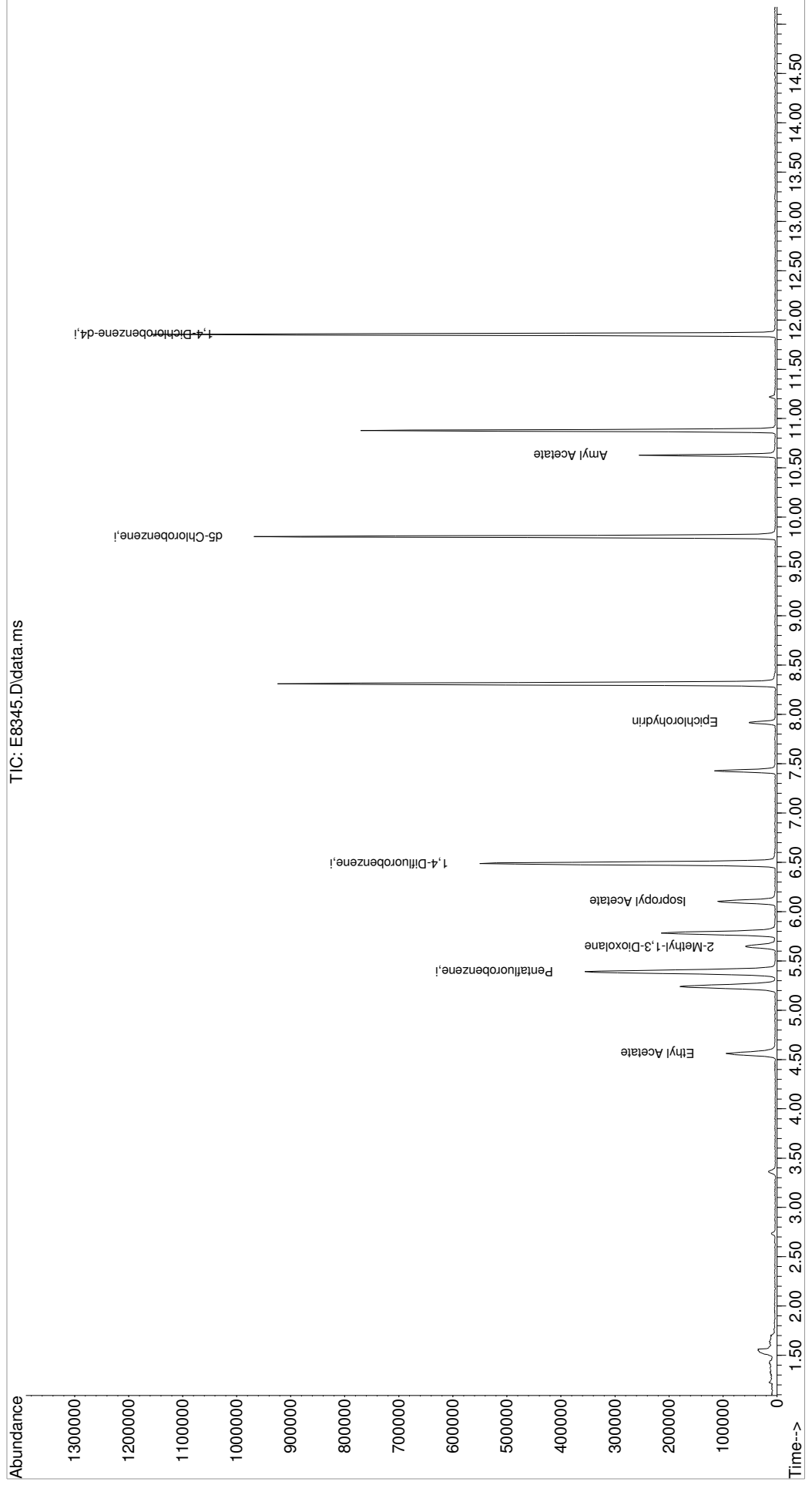
Internal Standards						
1) Pentafluorobenzene	5.391	168	338618	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	517776	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.804	117	451050	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	235210	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.562	43	143685	40.66	ug/L	93
4) 2-Methyl-1,3-Dioxolane	5.647	73	57056	104.54	ug/L	81
5) Isopropyl Acetate	6.104	43	132604	20.34	ug/L	94
6) Epichlorohydrin	7.921	57	37059	111.67	ug/L	97
8) Amyl Acetate	10.627	43	101920	25.03	ug/L	90

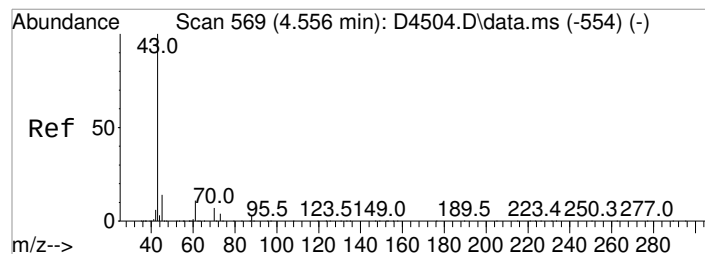
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\040720\
 Data File : E8345.D
 Acq On : 7 Apr 2020 12:28 pm
 Operator : AMOSES
 Sample : 20
 Misc : 624 EK INITIAL CAL.
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSV0A10

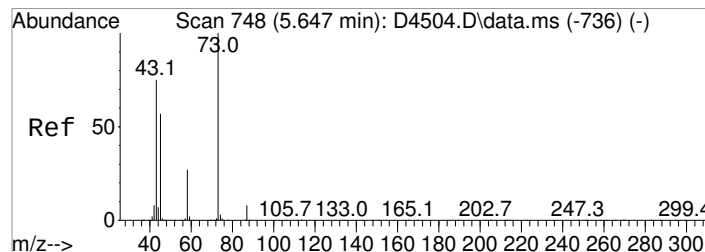
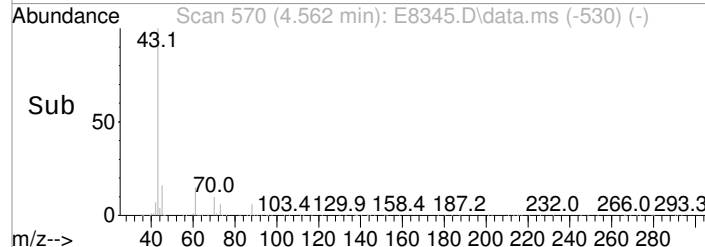
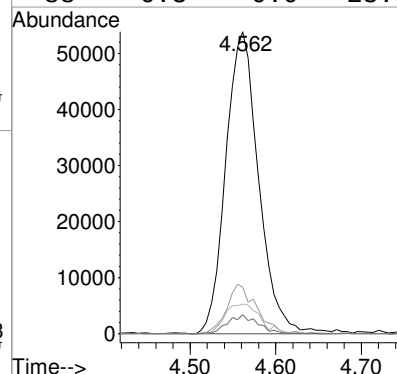
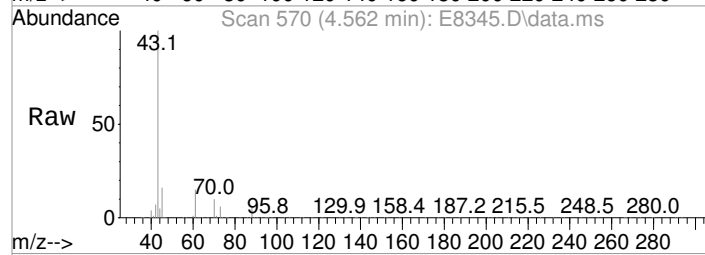
Quant Time: Apr 08 08:49:34 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Tue Apr 07 12:23:11 2020
 Response via : Initial Calibration





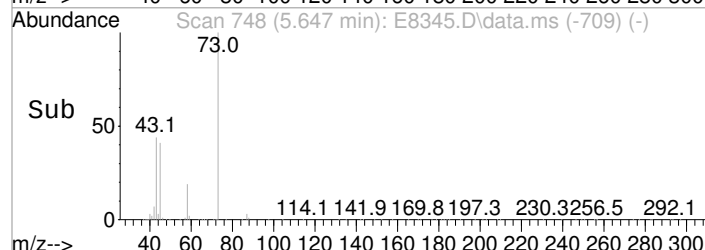
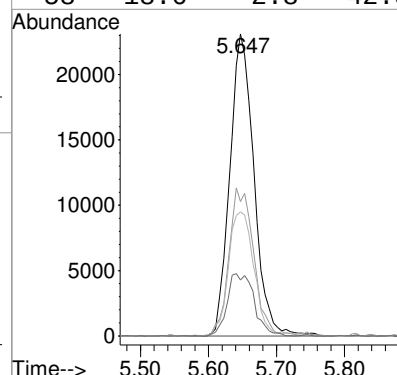
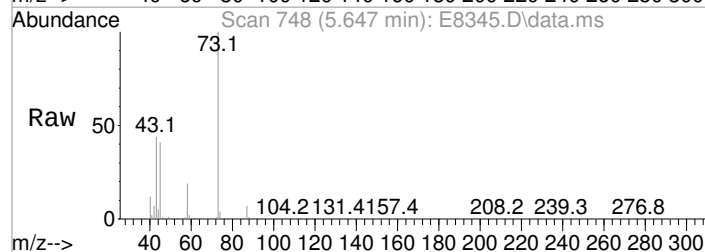
#2
Ethyl Acetate
Concen: 40.66 ug/L
RT: 4.562 min Scan# 570
Delta R.T. -0.004 min
Lab File: E8345.D
Acq: 7 Apr 2020 12:28 pm

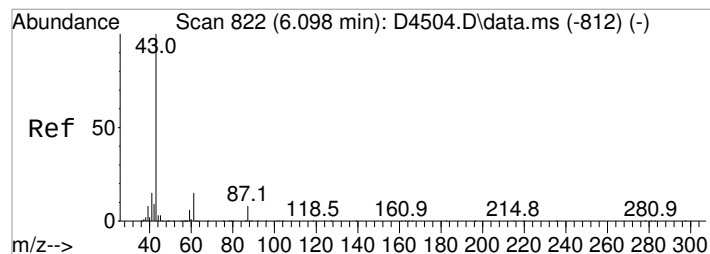
Tgt Ion	43	61	70	88
Ion Ratio	100	15.3	9.8	6.3
Resp: Lower	143685	0.0	0.0	0.0
Upper		31.7	29.0	23.5



#4
2-Methyl-1,3-Dioxolane
Concen: 104.54 ug/L
RT: 5.647 min Scan# 748
Delta R.T. -0.011 min
Lab File: E8345.D
Acq: 7 Apr 2020 12:28 pm

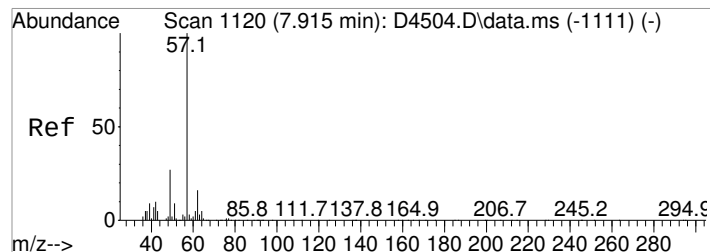
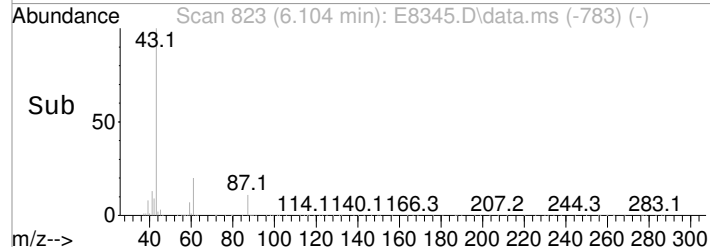
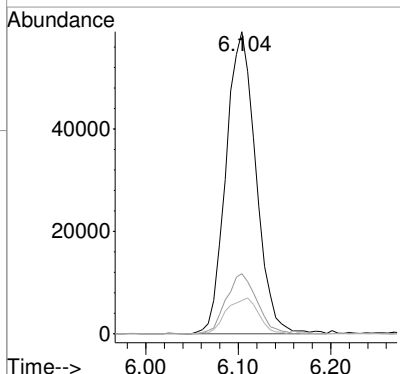
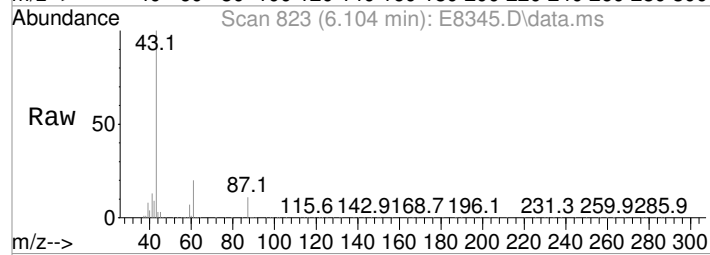
Tgt Ion	73	43	45	58
Ion Ratio	100	44.5	41.1	18.6
Resp: Lower	57056	41.2	35.5	2.8
Upper		81.2	75.5	42.8





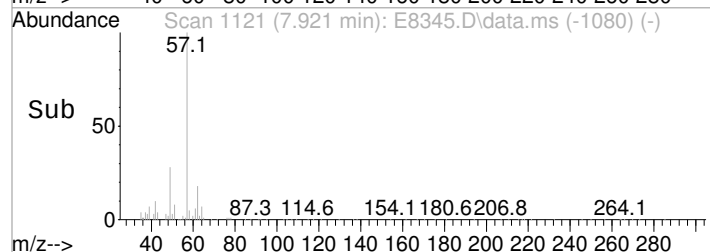
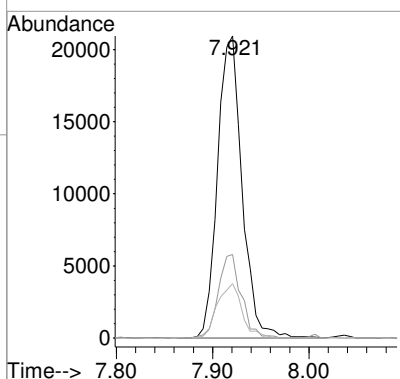
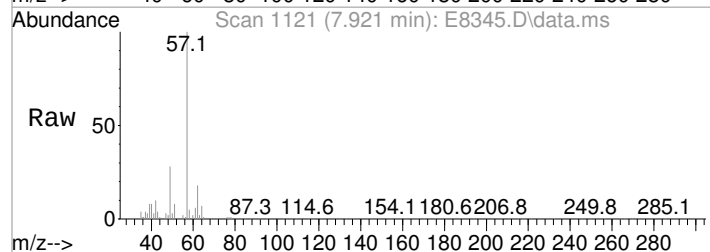
#5
Isopropyl Acetate
Concen: 20.34 ug/L
RT: 6.104 min Scan# 823
Delta R.T. -0.004 min
Lab File: E8345.D
Acq: 7 Apr 2020 12:28 pm

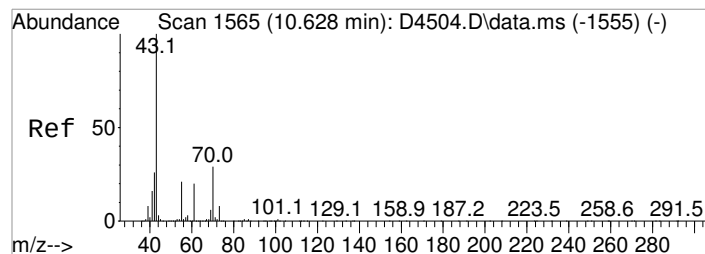
Tgt Ion:	43	Resp:	132604
Ion Ratio	Lower	Upper	
43	100		
61	19.9	0.0	37.3
87	11.0	0.0	29.3



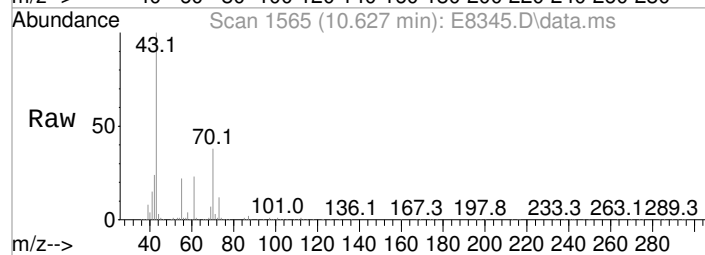
#6
Epichlorohydrin
Concen: 111.67 ug/L
RT: 7.921 min Scan# 1121
Delta R.T. -0.001 min
Lab File: E8345.D
Acq: 7 Apr 2020 12:28 pm

Tgt Ion:	57	Resp:	37059
Ion Ratio	Lower	Upper	
57	100		
49	27.6	21.1	31.7
62	18.0	13.2	19.8

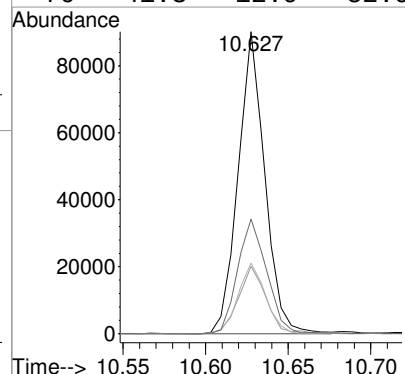
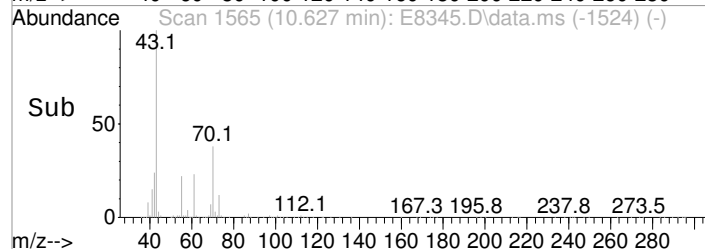




#8
 Amyl Acetate
 Concen: 25.03 ug/L
 RT: 10.627 min Scan# 1565
 Delta R.T. -0.000 min
 Lab File: E8345.D
 Acq: 7 Apr 2020 12:28 pm



Tgt Ion:	43	Resp:	101920
Ion Ratio		Lower	Upper
43	100		
55	23.5	0.1	40.1
61	24.2	1.3	41.3
70	41.3	12.9	52.9



Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8346.D
Acq On : 7 Apr 2020 12:50 pm
Operator : AMOSES
Sample : 50
Misc : 624 EK INITIAL CAL.
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 08 08:49:53 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:49:47 2020
Response via : Initial Calibration

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

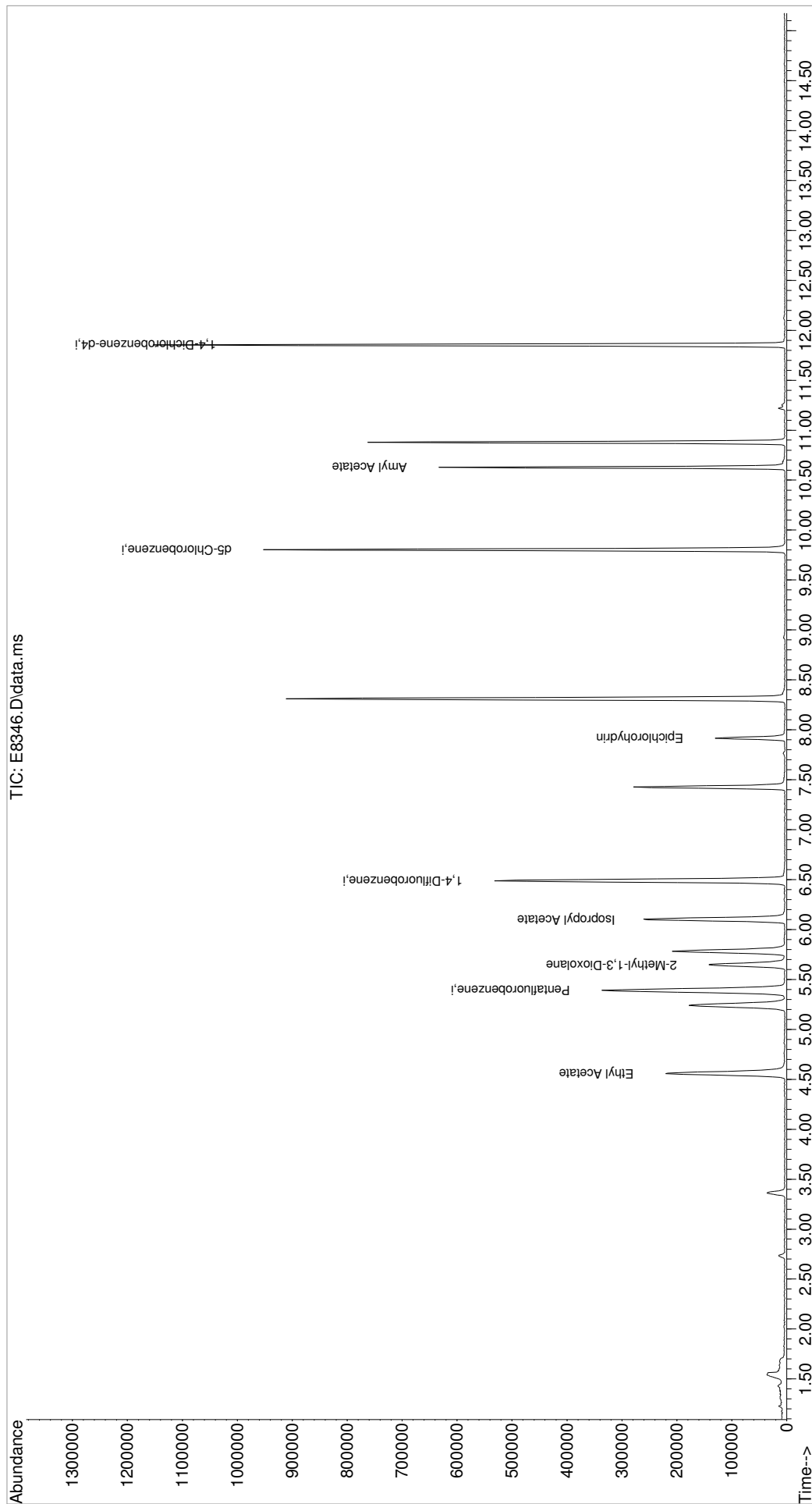
Internal Standards						
1) Pentafluorobenzene	5.391	168	321963	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	498306	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	439848	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	229977	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.556	43	349994	103.81	ug/L	93
4) 2-Methyl-1,3-Dioxolane	5.647	73	137770	259.93	ug/L	84
5) Isopropyl Acetate	6.098	43	312538	49.64	ug/L	94
6) Epichlorohydrin	7.915	57	93505	286.09	ug/L	97
8) Amyl Acetate	10.628	43	256834	61.59	ug/L	89

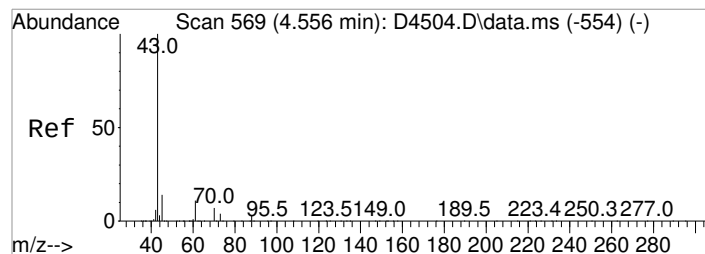
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\040720\
 Data File : E8346.D
 Acq On : 7 Apr 2020 12:50 pm
 Operator : AMOSES
 Sample : 50
 Misc : 624 EK INITIAL CAL.
 ALS Vial : 8 Sample Multiplier: 1

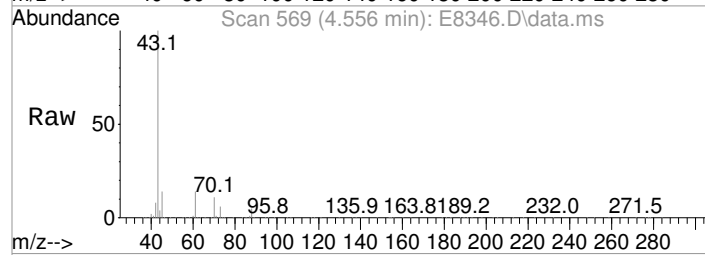
Inst : MSV0A10

Quant Time: Apr 08 08:49:53 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Wed Apr 08 08:49:47 2020
 Response via : Initial Calibration

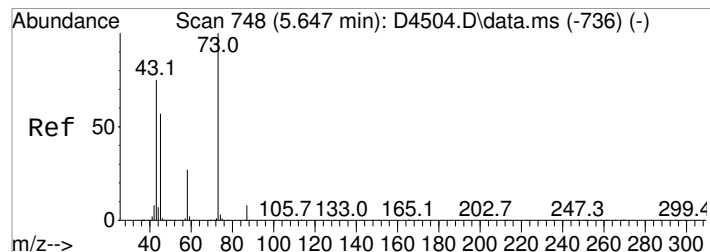
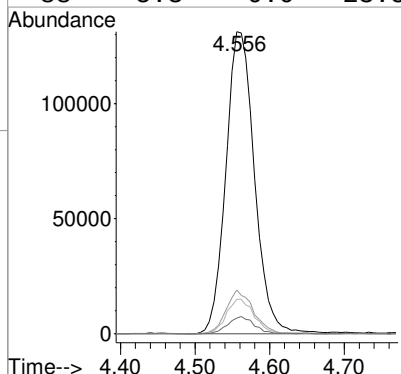
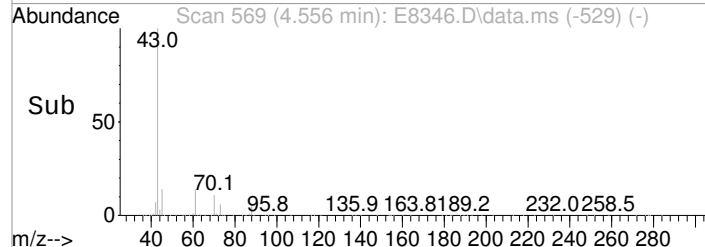




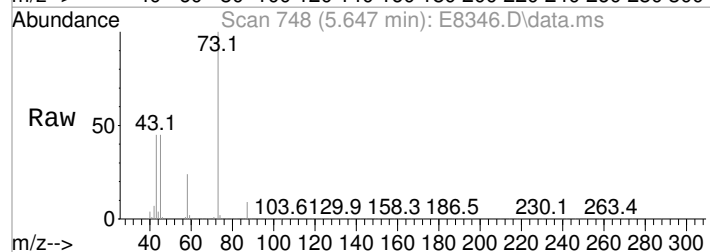
#2
Ethyl Acetate
Concen: 103.81 ug/L
RT: 4.556 min Scan# 569
Delta R.T. -0.009 min
Lab File: E8346.D
Acq: 7 Apr 2020 12:50 pm



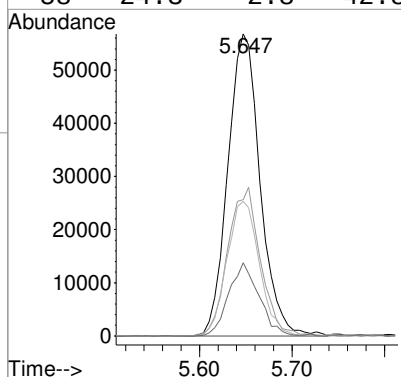
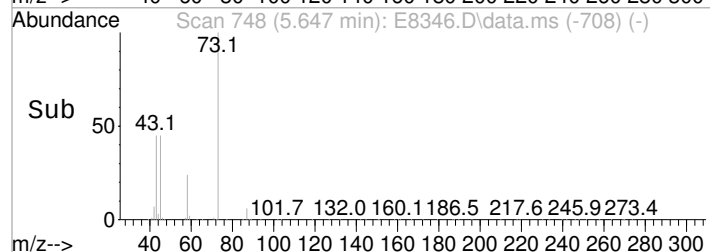
Tgt Ion:	43	Resp:	349994
Ion Ratio		Lower	Upper
43	100		
61	14.5	0.0	31.7
70	11.4	0.0	29.0
88	5.3	0.0	23.5

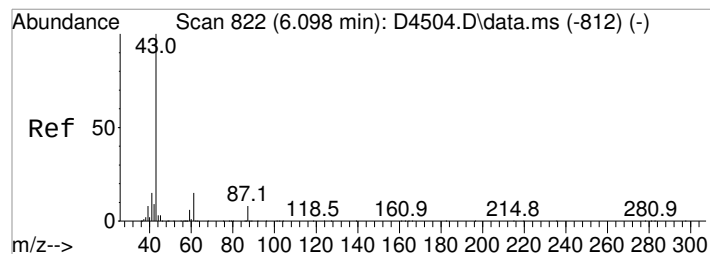


#4
2-Methyl-1,3-Dioxolane
Concen: 259.93 ug/L
RT: 5.647 min Scan# 748
Delta R.T. -0.008 min
Lab File: E8346.D
Acq: 7 Apr 2020 12:50 pm



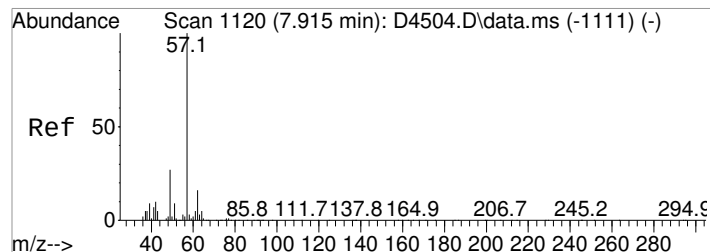
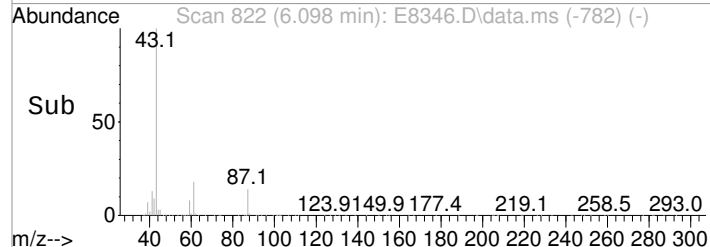
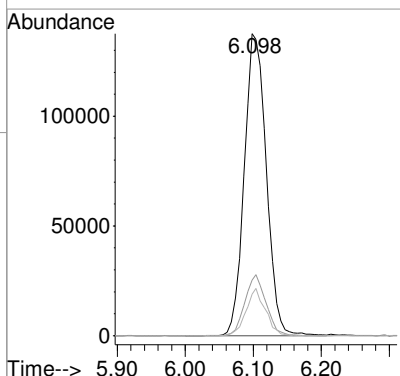
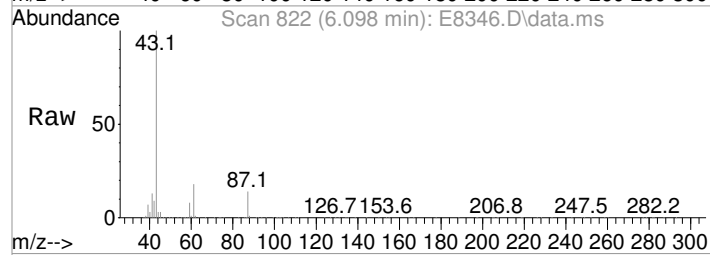
Tgt Ion:	73	Resp:	137770
Ion Ratio		Lower	Upper
73	100		
43	45.1	41.2	81.2
45	44.6	35.5	75.5
58	24.3	2.8	42.8





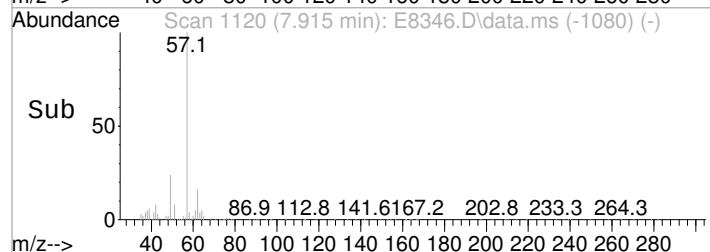
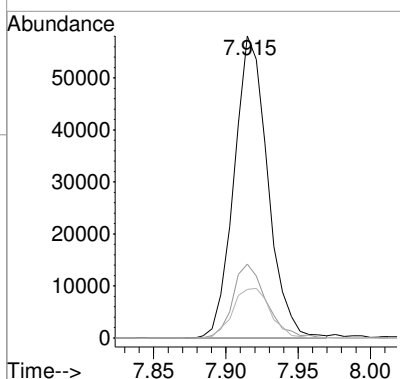
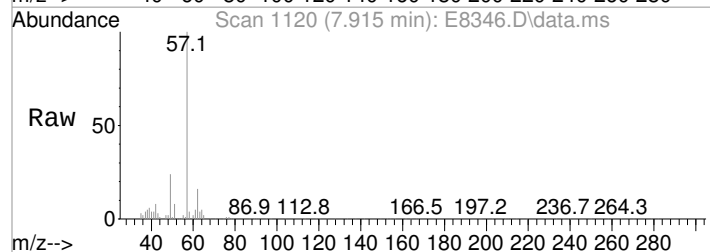
#5
Isopropyl Acetate
Concen: 49.64 ug/L
RT: 6.098 min Scan# 822
Delta R.T. -0.009 min
Lab File: E8346.D
Acq: 7 Apr 2020 12:50 pm

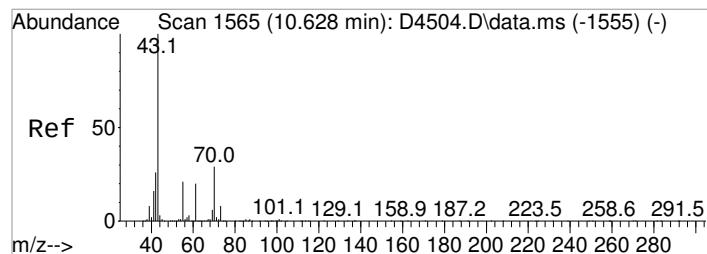
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	312538		
61	18.4	0.0	37.3	
87	13.7	0.0	29.3	



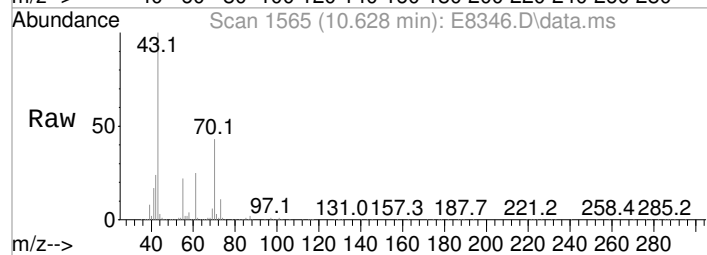
#6
Epichlorohydrin
Concen: 286.09 ug/L
RT: 7.915 min Scan# 1120
Delta R.T. -0.007 min
Lab File: E8346.D
Acq: 7 Apr 2020 12:50 pm

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	93505		
49	24.5	21.1	31.7	
62	16.1	13.2	19.8	

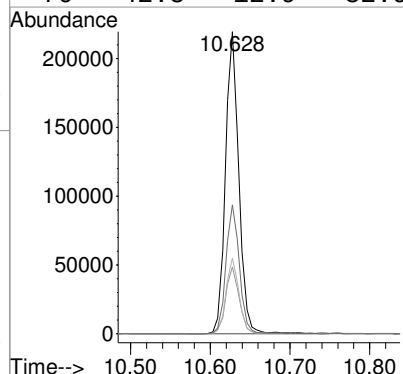
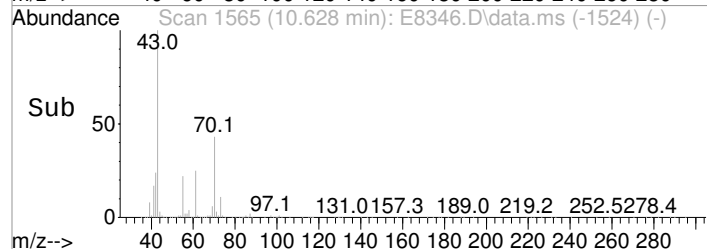




#8
 Amyl Acetate
 Concen: 61.59 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. 0.000 min
 Lab File: E8346.D
 Acq: 7 Apr 2020 12:50 pm



Tgt Ion:	43	Resp:	256834
Ion Ratio		Lower	Upper
43	100		
55	22.4	0.1	40.1
61	24.4	1.3	41.3
70	42.5	12.9	52.9



Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8347.D
Acq On : 7 Apr 2020 1:11 pm
Operator : AMOSES
Sample : 100
Misc : 624 EK INITIAL CAL.
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 08 08:50:13 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:50:07 2020
Response via : Initial Calibration

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

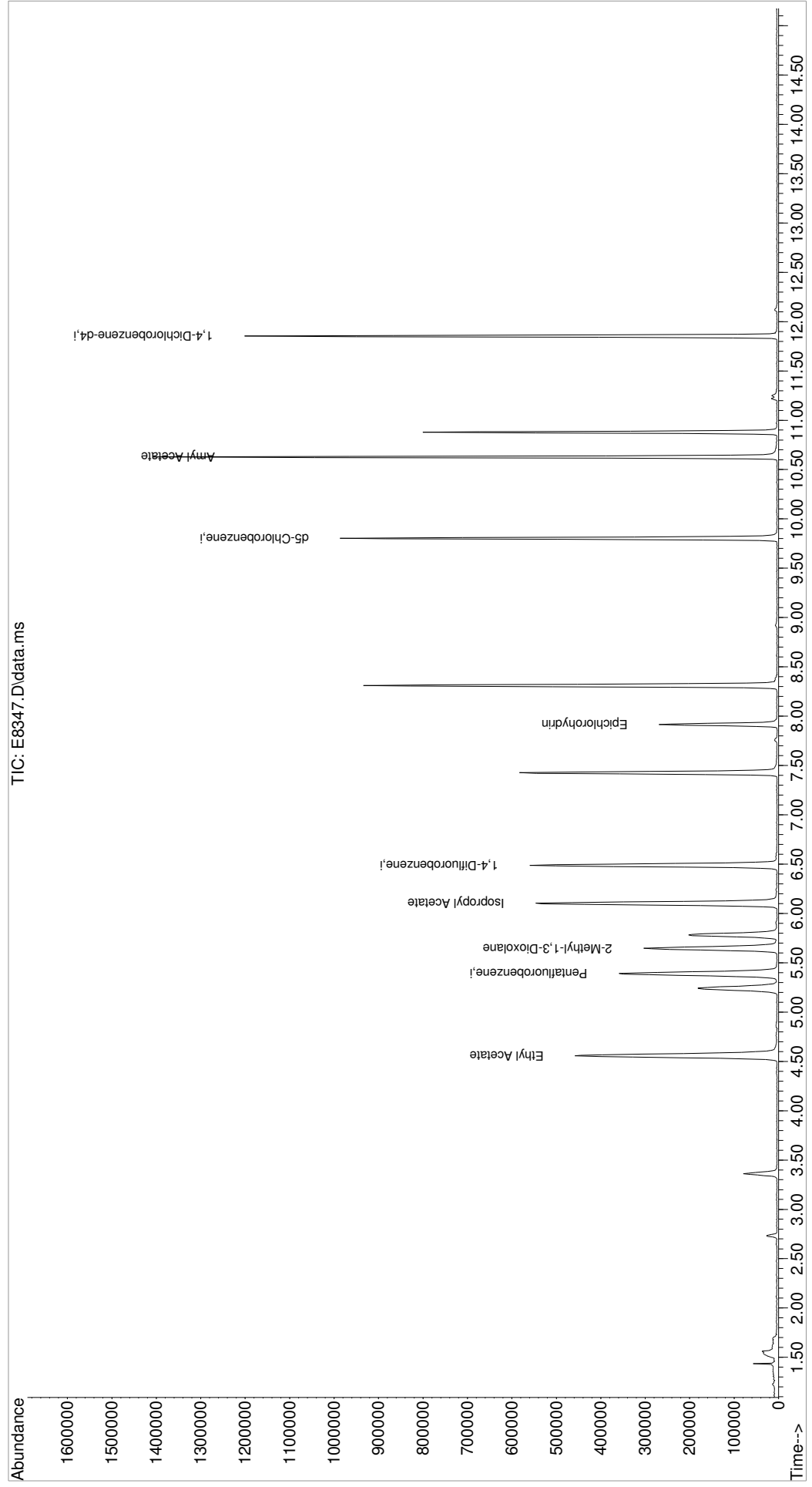
Internal Standards						
1) Pentafluorobenzene	5.391	168	341644	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	516523	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	463425	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	240400	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.556	43	735948	204.42	ug/L	93
4) 2-Methyl-1,3-Dioxolane	5.647	73	294746	532.96	ug/L	88
5) Isopropyl Acetate	6.104	43	661417	101.48	ug/L	93
6) Epichlorohydrin	7.915	57	196596	566.67	ug/L	97
8) Amyl Acetate	10.628	43	558475	122.38	ug/L	88

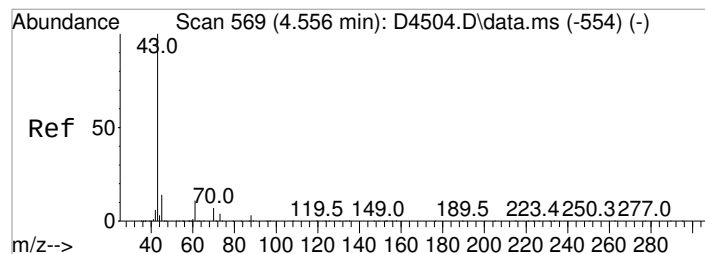
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8347.D
Acq On : 7 Apr 2020 1:11 pm
Operator : AMOSES
Sample : 100
Misc : 624 EK INITIAL CAL.
ALS Vial : 9 Sample Multiplier: 1

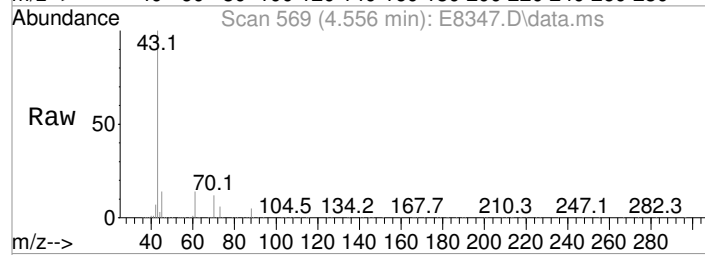
Inst : MSV0A10

Quant Time: Apr 08 08:50:13 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:50:07 2020
Response via : Initial Calibration

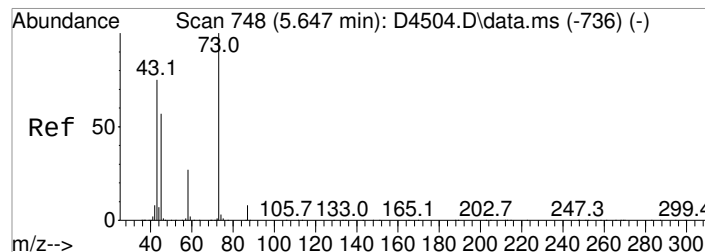
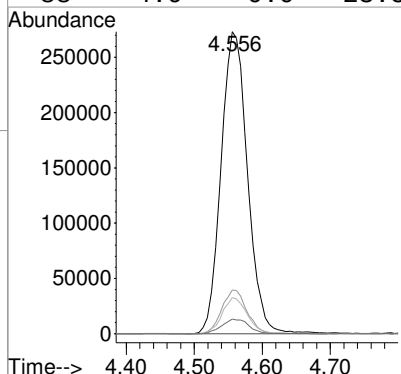
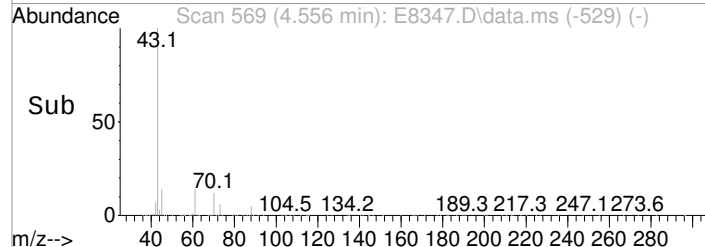




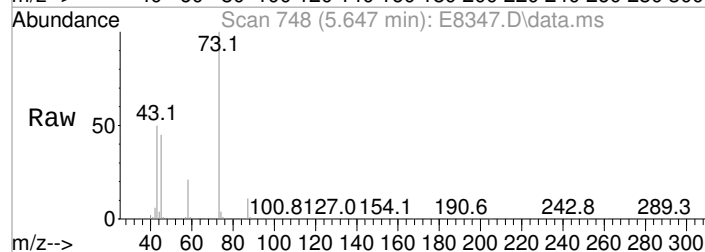
#2
Ethyl Acetate
Concen: 204.42 ug/L
RT: 4.556 min Scan# 569
Delta R.T. -0.006 min
Lab File: E8347.D
Acq: 7 Apr 2020 1:11 pm



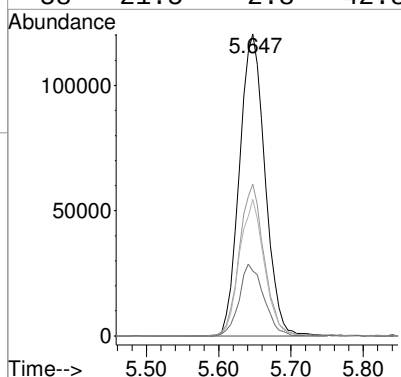
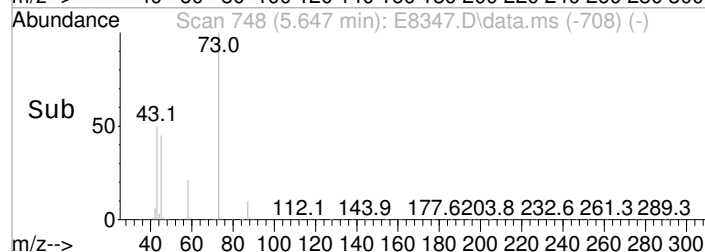
Tgt Ion:	43	Resp:	735948
Ion Ratio	100	Lower	Upper
61	14.5	0.0	31.7
70	11.9	0.0	29.0
88	4.9	0.0	23.5

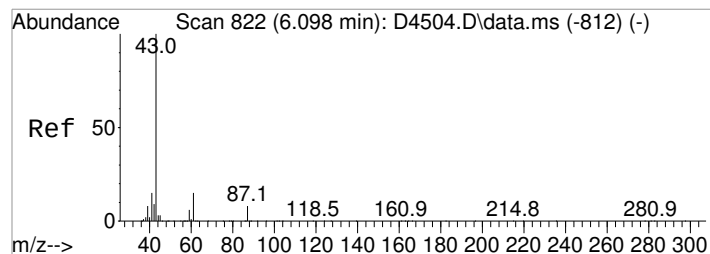


#4
2-Methyl-1,3-Dioxolane
Concen: 532.96 ug/L
RT: 5.647 min Scan# 748
Delta R.T. -0.006 min
Lab File: E8347.D
Acq: 7 Apr 2020 1:11 pm



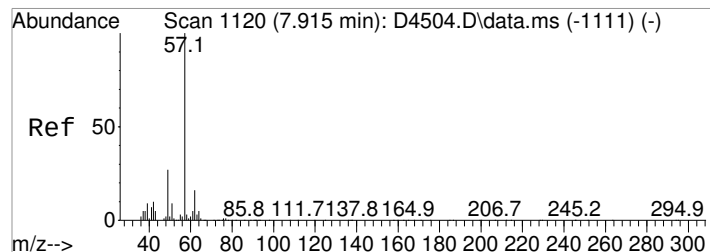
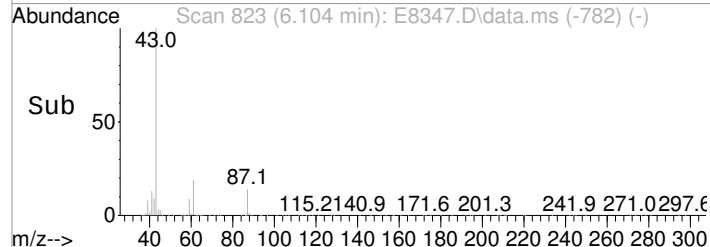
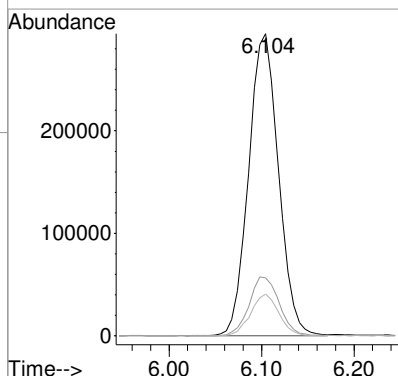
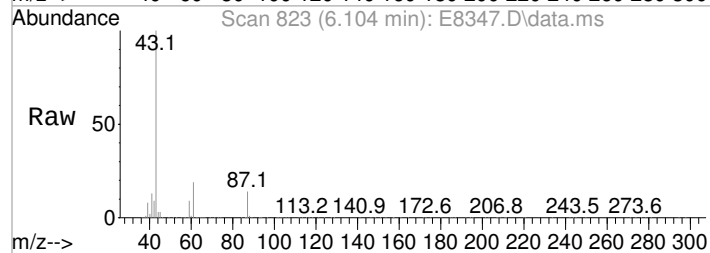
Tgt Ion:	73	Resp:	294746
Ion Ratio	100	Lower	Upper
43	50.3	41.2	81.2
45	45.2	35.5	75.5
58	21.5	2.8	42.8





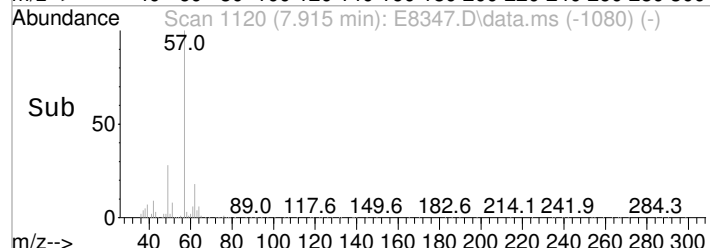
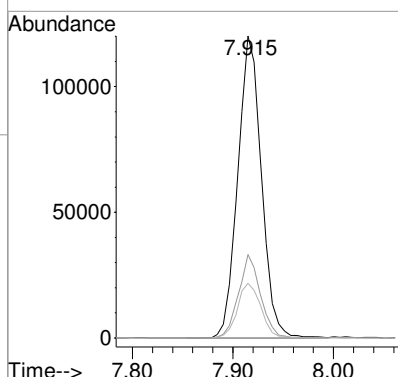
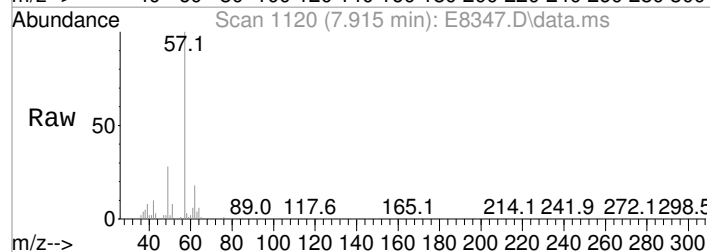
#5
Isopropyl Acetate
Concen: 101.48 ug/L
RT: 6.104 min Scan# 823
Delta R.T. -0.001 min
Lab File: E8347.D
Acq: 7 Apr 2020 1:11 pm

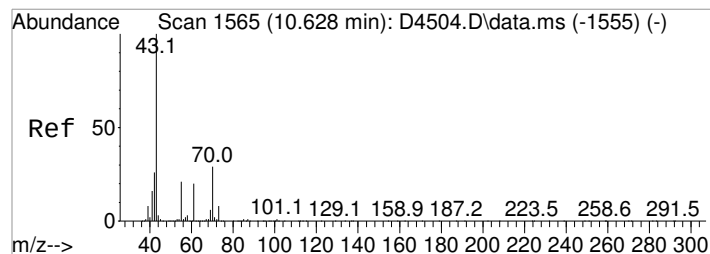
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	0.0	37.3
87	13.7	0.0	29.3



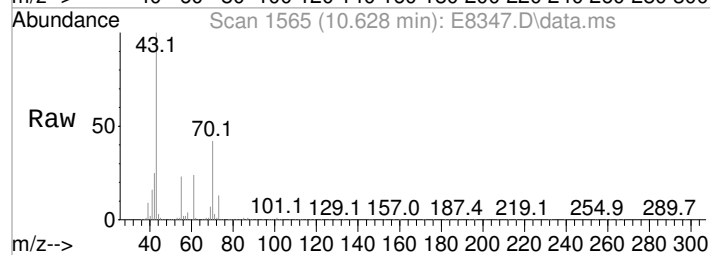
#6
Epichlorohydrin
Concen: 566.67 ug/L
RT: 7.915 min Scan# 1120
Delta R.T. -0.005 min
Lab File: E8347.D
Acq: 7 Apr 2020 1:11 pm

Tgt Ion	Ratio	Lower	Upper
57	100		
49	27.6	21.1	31.7
62	18.1	13.2	19.8

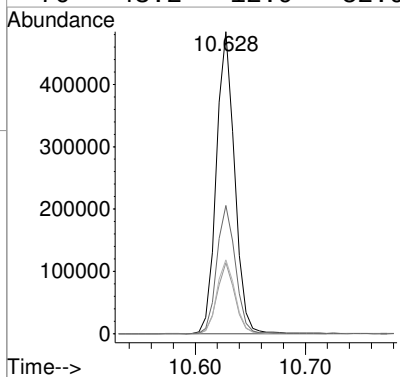
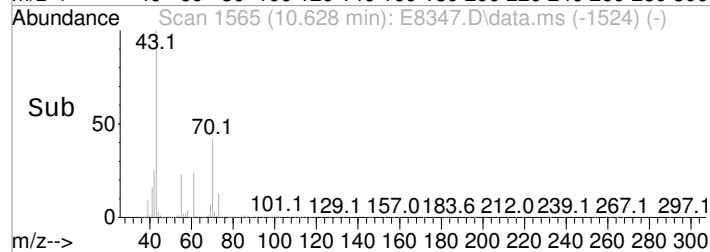




#8
 Amyl Acetate
 Concen: 122.38 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. 0.000 min
 Lab File: E8347.D
 Acq: 7 Apr 2020 1:11 pm



Tgt Ion:	43	Resp:	558475
Ion Ratio		Lower	Upper
43	100		
55	23.2	0.1	40.1
61	24.5	1.3	41.3
70	43.2	12.9	52.9



Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8348.D
Acq On : 7 Apr 2020 1:33 pm
Operator : AMOSES
Sample : 150
Misc : 624 EK INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 08 08:50:31 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:50:24 2020
Response via : Initial Calibration

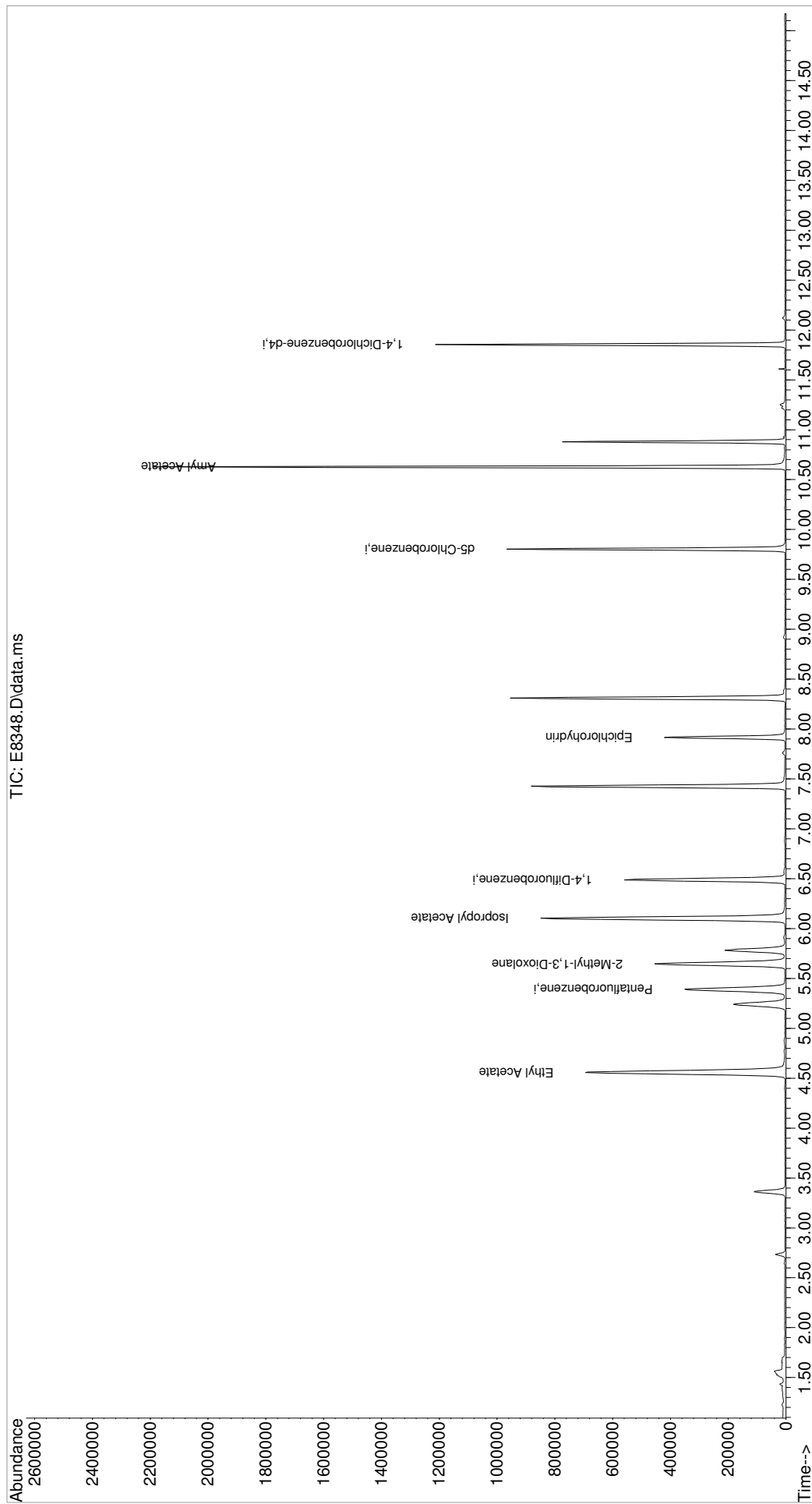
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

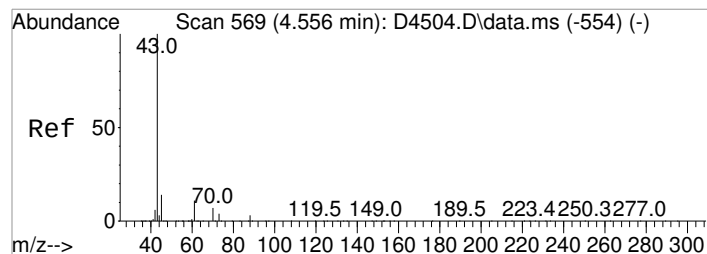
Internal Standards						
1) Pentafluorobenzene	5.391	168	333875	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	524997	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	453419	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	243382	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.556	43	1120146	317.37	ug/L	96
4) 2-Methyl-1,3-Dioxolane	5.647	73	448039	789.63	ug/L	88
5) Isopropyl Acetate	6.104	43	1009897	152.12	ug/L	91
6) Epichlorohydrin	7.915	57	309491	861.27	ug/L	98
8) Amyl Acetate	10.628	43	874343	189.76	ug/L	88

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

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8348.D
Acq On : 7 Apr 2020 1:33 pm
Operator : AMOSES
Sample : 150
Misc : 624 EK INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1
Inst : MSV0A10

Quant Time: Apr 08 08:50:31 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:50:24 2020
Response via : Initial Calibration

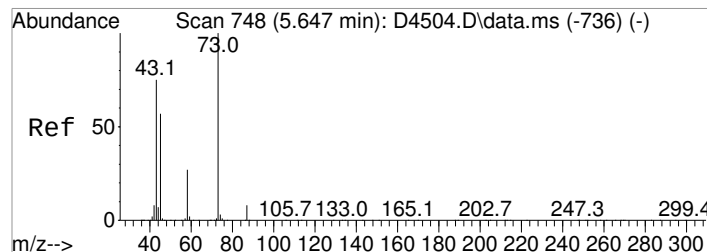
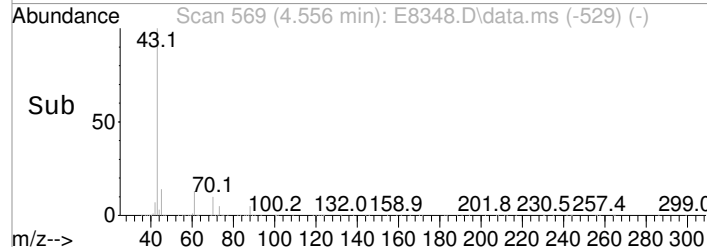
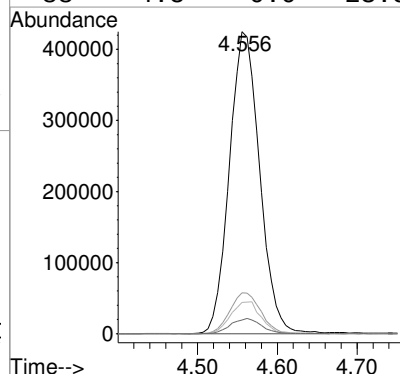
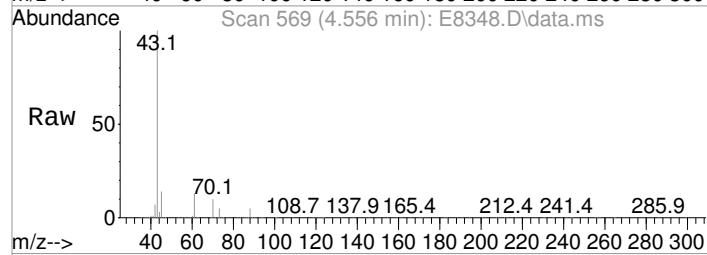




#2
Ethyl Acetate
Concen: 317.37 ug/L
RT: 4.556 min Scan# 569
Delta R.T. -0.005 min
Lab File: E8348.D
Acq: 7 Apr 2020 1:33 pm

Tgt Ion: 43 Resp: 1120146

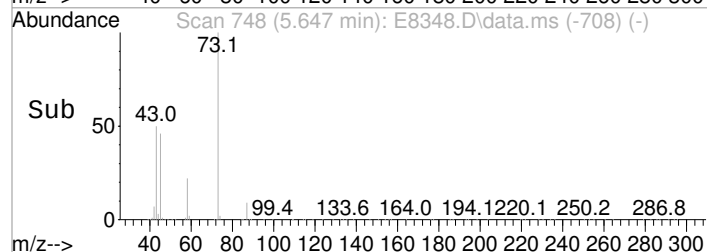
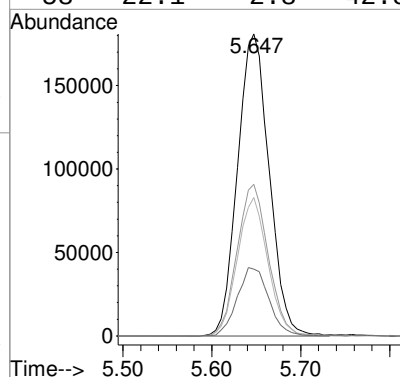
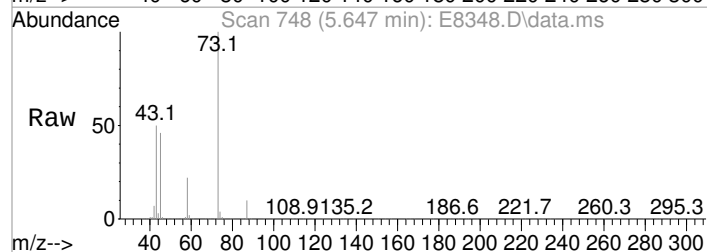
Ion	Ratio	Lower	Upper
43	100		
61	13.5	0.0	31.7
70	10.3	0.0	29.0
88	4.5	0.0	23.5

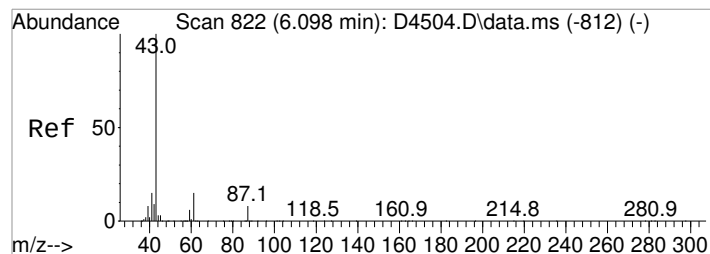


#4
2-Methyl-1,3-Dioxolane
Concen: 789.63 ug/L
RT: 5.647 min Scan# 748
Delta R.T. -0.005 min
Lab File: E8348.D
Acq: 7 Apr 2020 1:33 pm

Tgt Ion: 73 Resp: 448039

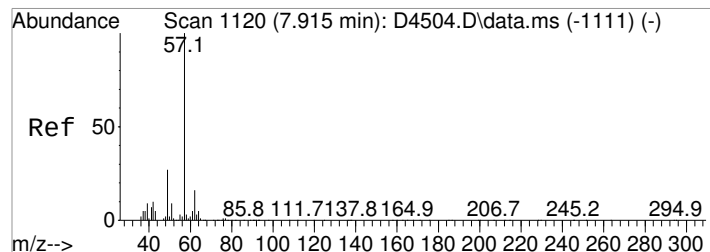
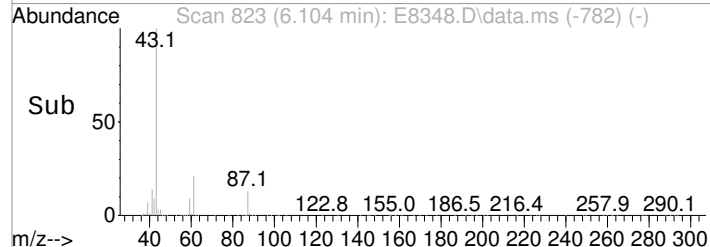
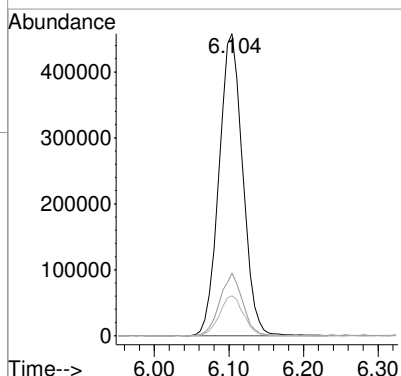
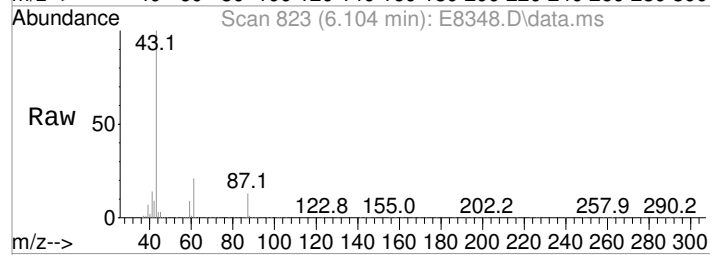
Ion	Ratio	Lower	Upper
73	100		
43	50.2	41.2	81.2
45	45.9	35.5	75.5
58	22.1	2.8	42.8





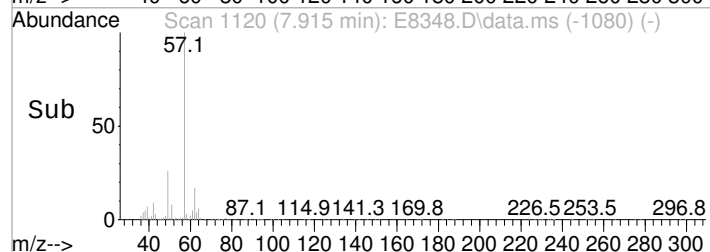
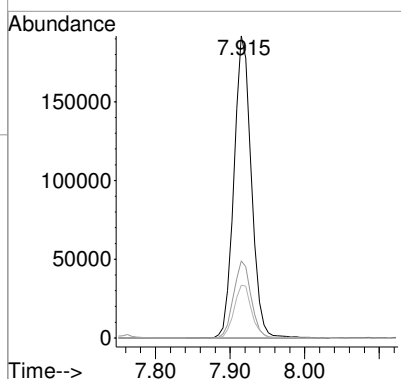
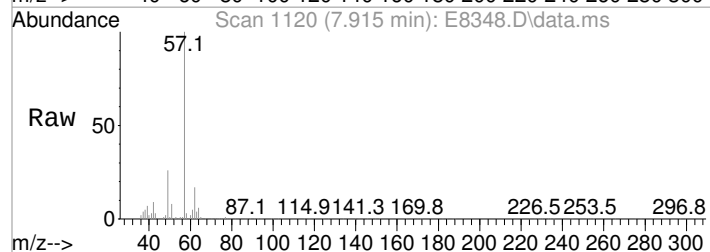
#5
Isopropyl Acetate
Concen: 152.12 ug/L
RT: 6.104 min Scan# 823
Delta R.T. -0.000 min
Lab File: E8348.D
Acq: 7 Apr 2020 1:33 pm

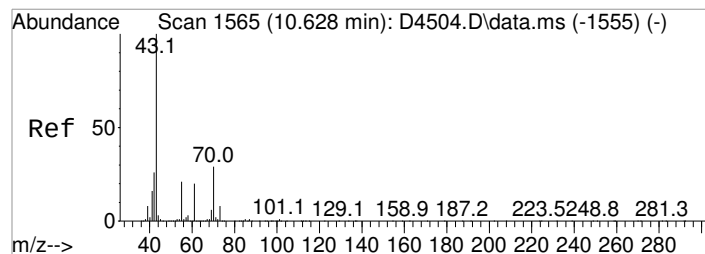
Tgt Ion: 43 Resp: 1009897
Ion Ratio Lower Upper
43 100
61 20.7 0.0 37.3
87 13.2 0.0 29.3



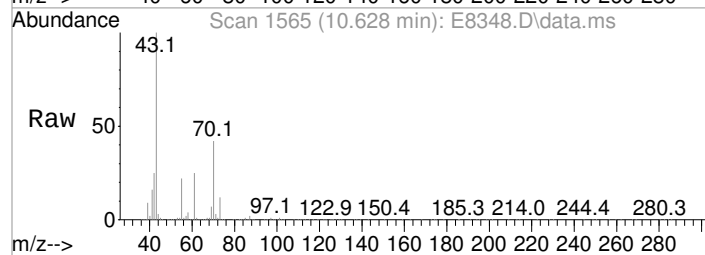
#6
Epichlorohydrin
Concen: 861.27 ug/L
RT: 7.915 min Scan# 1120
Delta R.T. -0.004 min
Lab File: E8348.D
Acq: 7 Apr 2020 1:33 pm

Tgt Ion: 57 Resp: 309491
Ion Ratio Lower Upper
57 100
49 25.5 21.1 31.7
62 17.4 13.2 19.8

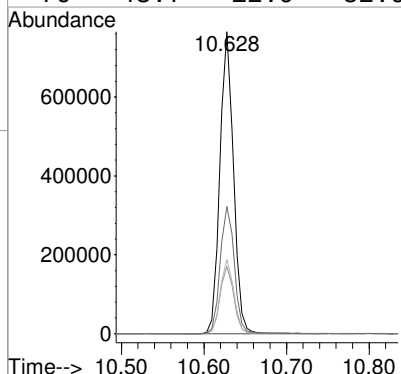
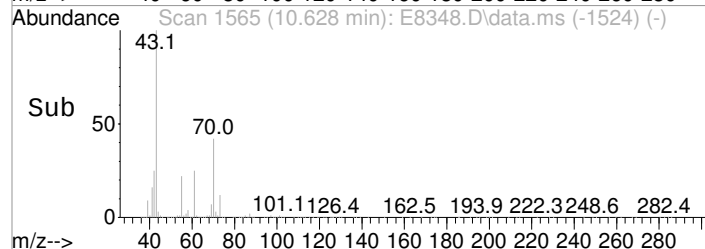




#8
 Amyl Acetate
 Concen: 189.76 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. 0.000 min
 Lab File: E8348.D
 Acq: 7 Apr 2020 1:33 pm



Tgt Ion:	43	Resp:	874343
Ion Ratio		Lower	Upper
43	100		
55	22.7	0.1	40.1
61	24.6	1.3	41.3
70	43.7	12.9	52.9



Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8349.D
Acq On : 7 Apr 2020 1:55 pm
Operator : AMOSES
Sample : 200
Misc : 624 EK INITIAL CAL.
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 08 08:50:50 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:50:43 2020
Response via : Initial Calibration

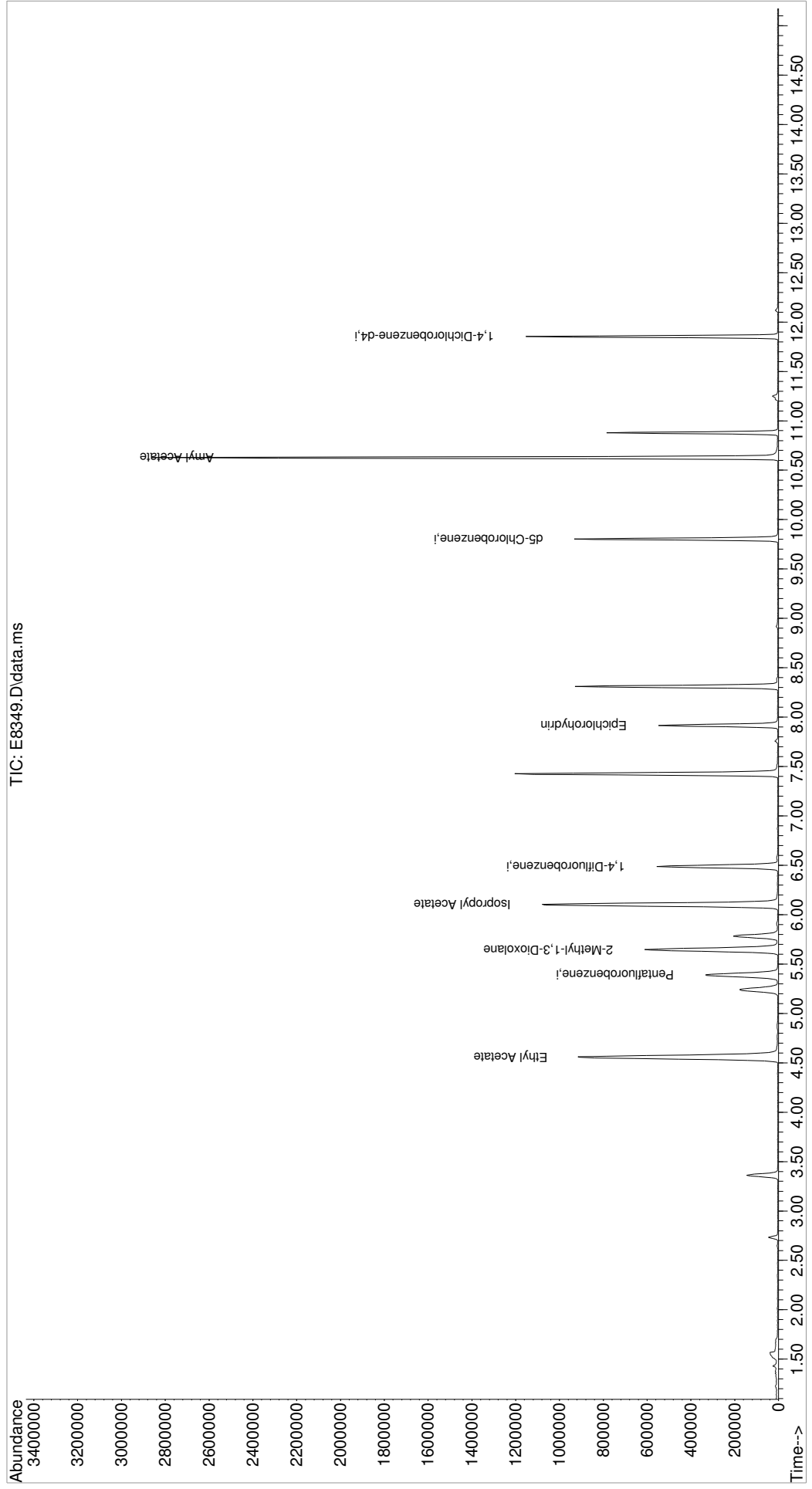
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

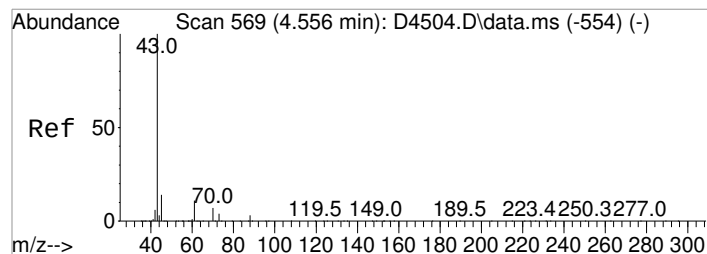
Internal Standards						
1) Pentafluorobenzene	5.391	168	329979	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	513073	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	441106	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	233703	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.556	43	1480505	421.37	ug/L	95
4) 2-Methyl-1,3-Dioxolane	5.647	73	599275	1073.62	ug/L	85
5) Isopropyl Acetate	6.104	43	1327027	204.17	ug/L	92
6) Epichlorohydrin	7.915	57	409397	1144.55	ug/L	97
8) Amyl Acetate	10.628	43	1181273	255.08	ug/L	89

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

Data Path : I:\ACQUDATA\msvoa10\data\040720\
 Data File : E8349.D
 Acq On : 7 Apr 2020 1:55 pm
 Operator : AMOSES
 Sample : 200
 Misc : 624 EK INITIAL CAL.
 ALS Vial : 11 Sample Multiplier: 1
 Inst : MSV0A10

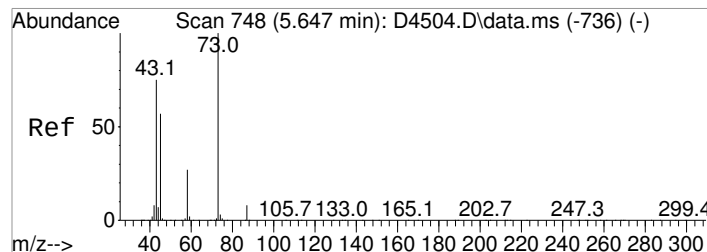
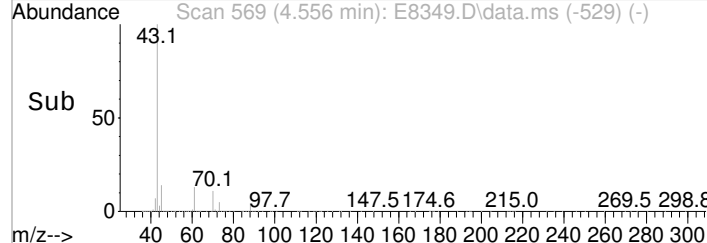
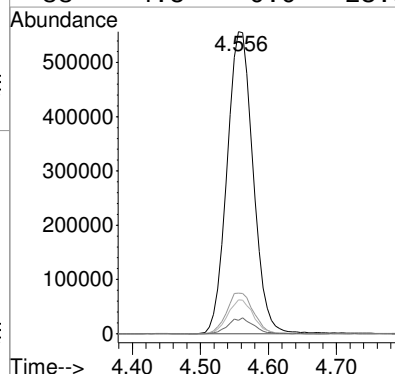
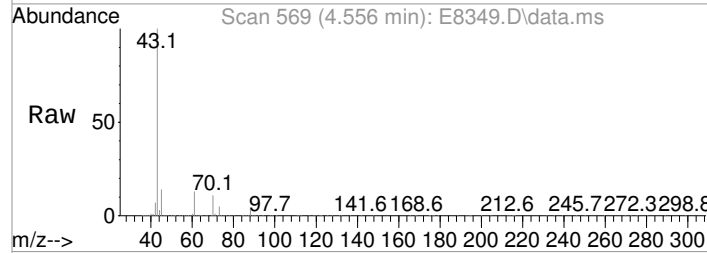
Quant Time: Apr 08 08:50:50 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Wed Apr 08 08:50:43 2020
 Response via : Initial Calibration





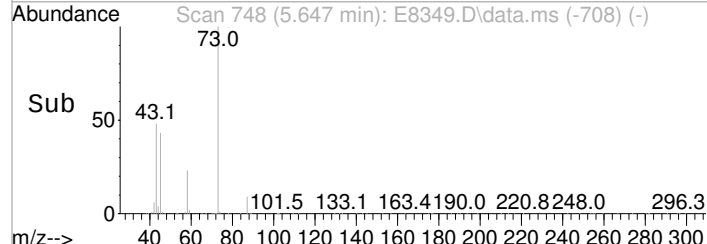
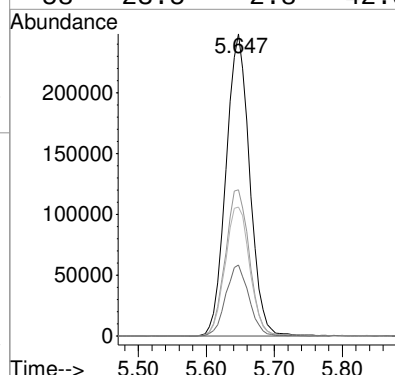
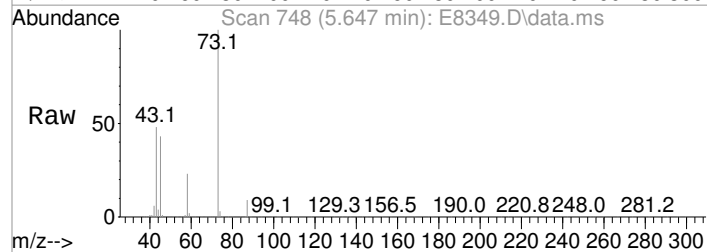
#2
Ethyl Acetate
Concen: 421.37 ug/L
RT: 4.556 min Scan# 569
Delta R.T. -0.004 min
Lab File: E8349.D
Acq: 7 Apr 2020 1:55 pm

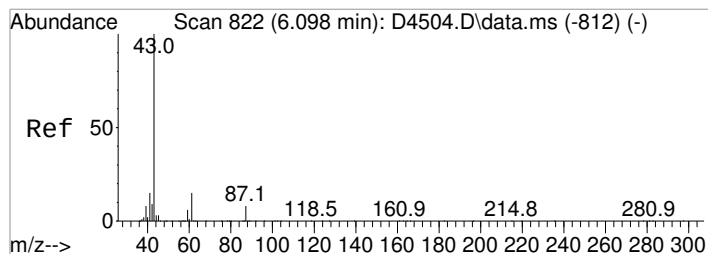
Tgt Ion: 43	Resp: 1480505
Ion Ratio	Lower Upper
43	100
61	13.5 0.0 31.7
70	11.2 0.0 29.0
88	4.5 0.0 23.5



#4
2-Methyl-1,3-Dioxolane
Concen: 1073.62 ug/L
RT: 5.647 min Scan# 748
Delta R.T. -0.003 min
Lab File: E8349.D
Acq: 7 Apr 2020 1:55 pm

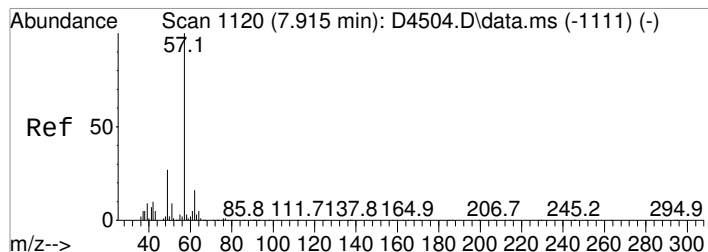
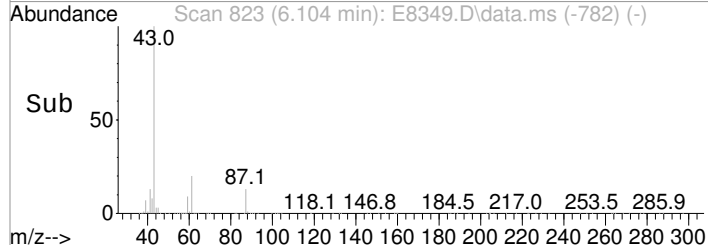
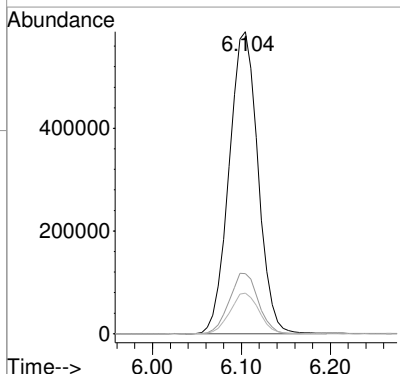
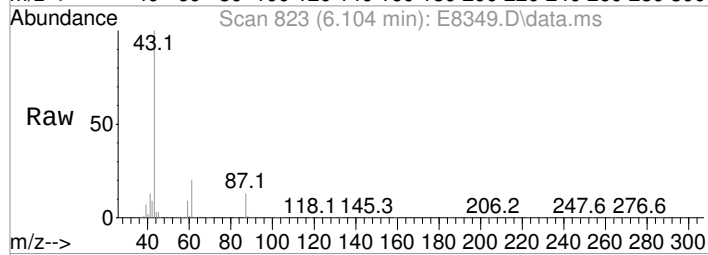
Tgt Ion: 73	Resp: 599275
Ion Ratio	Lower Upper
73	100
43	48.4 41.2 81.2
45	42.7 35.5 75.5
58	23.5 2.8 42.8





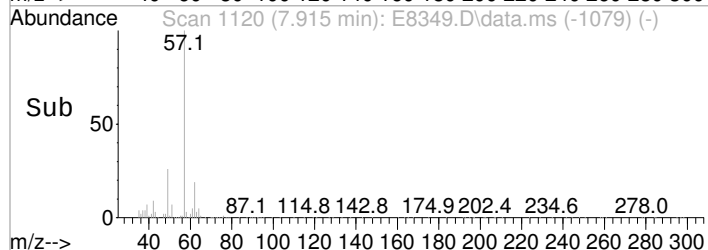
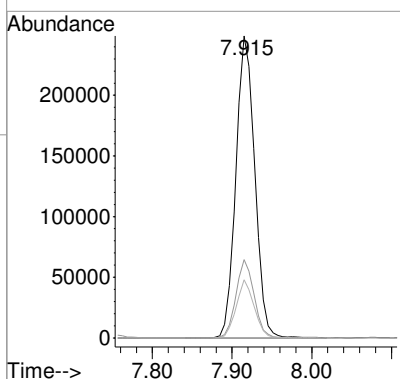
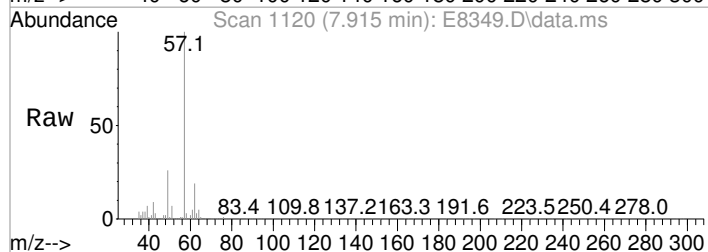
#5
Isopropyl Acetate
Concen: 204.17 ug/L
RT: 6.104 min Scan# 823
Delta R.T. -0.000 min
Lab File: E8349.D
Acq: 7 Apr 2020 1:55 pm

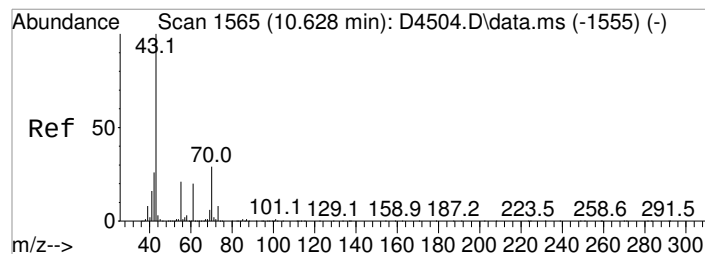
Tgt Ion: 43 Resp: 1327027
Ion Ratio Lower Upper
43 100
61 19.9 0.0 37.3
87 13.4 0.0 29.3



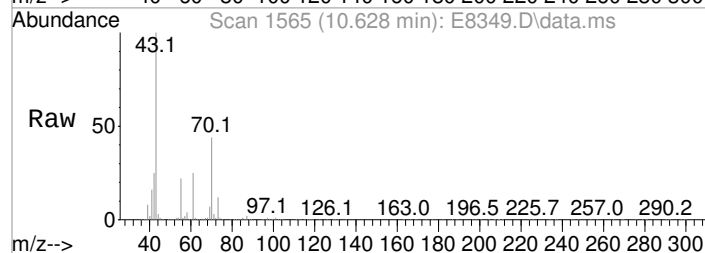
#6
Epichlorohydrin
Concen: 1144.55 ug/L
RT: 7.915 min Scan# 1120
Delta R.T. -0.003 min
Lab File: E8349.D
Acq: 7 Apr 2020 1:55 pm

Tgt Ion: 57 Resp: 409397
Ion Ratio Lower Upper
57 100
49 26.0 21.1 31.7
62 19.3 13.2 19.8



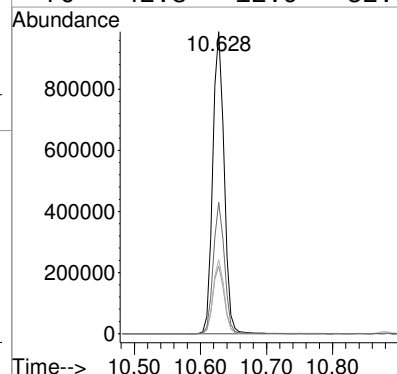
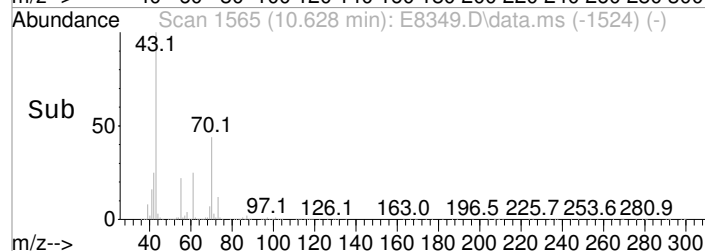


#8
 Amyl Acetate
 Concen: 255.08 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. 0.000 min
 Lab File: E8349.D
 Acq: 7 Apr 2020 1:55 pm



Tgt Ion: 43 Resp: 1181273

Ion	Ratio	Lower	Upper
43	100		
55	22.5	0.1	40.1
61	24.3	1.3	41.3
70	42.8	12.9	52.9



Evaluate Continuing Calibration Report

1st *AM* 04/09/20
2nd *FJ* 04/09/20

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8350.D
Acq On : 7 Apr 2020 2:17 pm
Operator : AMOSES
Sample : ICV
Misc : 624 EK INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 08 08:51:49 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:51:02 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	0.00
2	Ethyl Acetate	100.0000	50.1266	-0.3	49.9#	51 0.00
3 i	1,4-Difluorobenzene	50.0000	50.0000	0.0	103	0.00
4	2-Methyl-1,3-Dioxolane	250.0000	261.1508	-4.5	107	0.00
5	Isopropyl Acetate	50.0000	53.3193	-6.6	112	0.00
6	Epichlorohydrin	250.0000	259.3560	-3.7	101	0.00
7 i	d5-Chlorobenzene	50.0000	50.0000	0.0	101	0.00
8	Amyl Acetate	50.0000	56.3823	-12.8	106	0.00
9 i	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	103	0.00

(#) = Out of Range

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

Data Path : I:\ACQUDATA\msvoa10\data\040720\
Data File : E8350.D
Acq On : 7 Apr 2020 2:17 pm
Operator : AMOSES
Sample : ICV
Misc : 624 EK INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Apr 08 08:51:49 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Wed Apr 08 08:51:02 2020
Response via : Initial Calibration

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

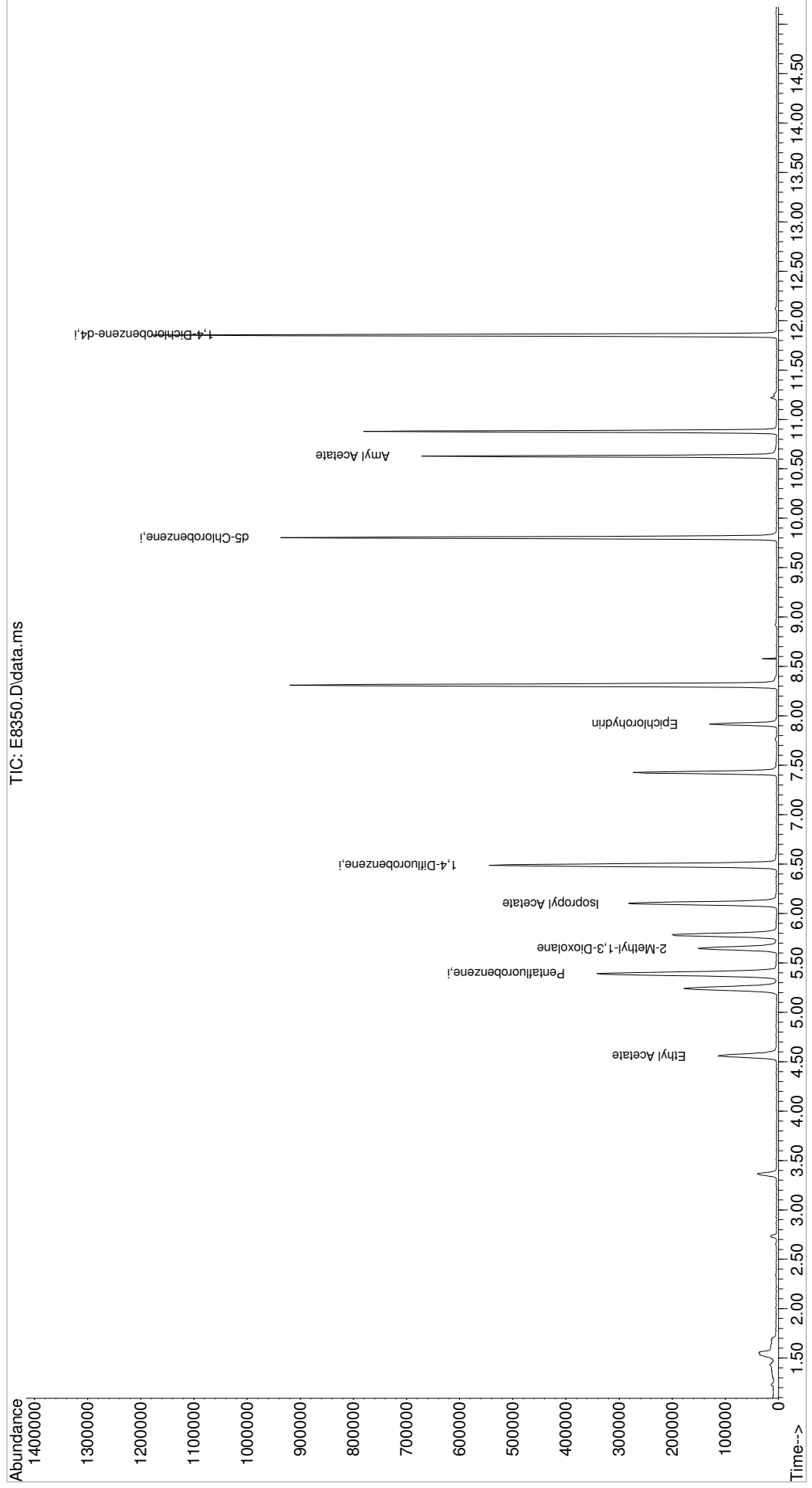
Internal Standards						
1) Pentafluorobenzene	5.391	168	330468	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	514871	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	444949	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	236395	50.00	ug/L	0.00
Target Compounds						Qvalue
2) Ethyl Acetate	4.556	43	177429	50.13	ug/L	96
4) 2-Methyl-1,3-Dioxolane	5.647	73	147477	261.15	ug/L	87
5) Isopropyl Acetate	6.098	43	348571	53.32	ug/L	95
6) Epichlorohydrin	7.915	57	94590	259.36	ug/L	98
8) Amyl Acetate	10.628	43	271440	56.38	ug/L	89

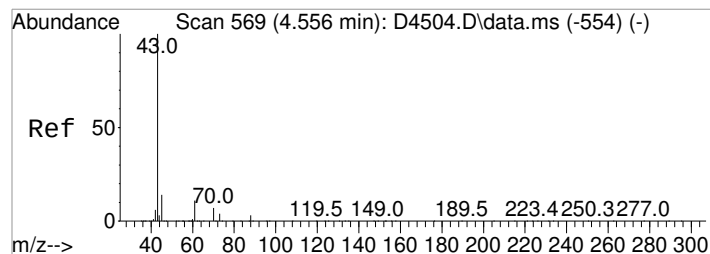
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\040720\
 Data File : E8350.D
 Acq On : 7 Apr 2020 2:17 pm
 Operator : AMOSES
 Sample : ICV
 Misc : 624 EK INITIAL CAL.
 ALS Vial : 12 Sample Multiplier: 1

Inst : MSV0A10

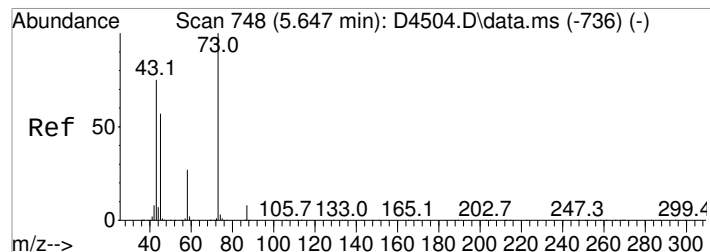
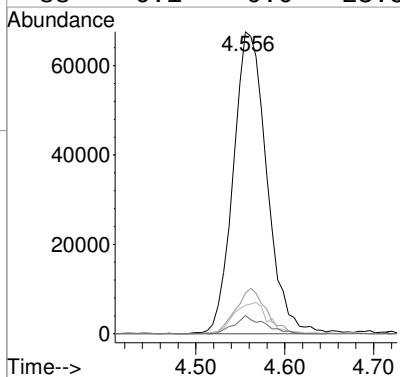
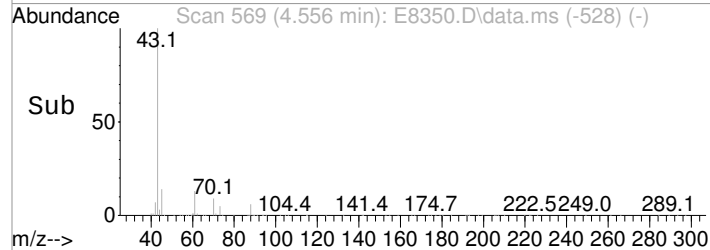
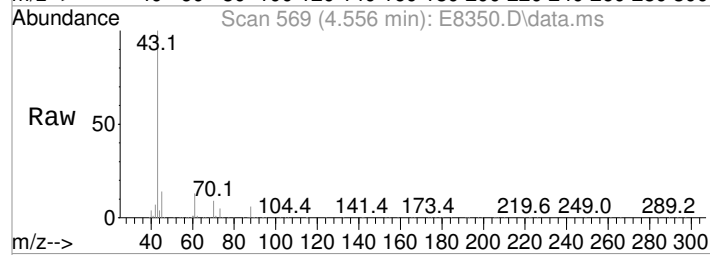
Quant Time: Apr 08 08:51:49 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\E040720.m
 Quant Title : MS#10 - 8260 WATERS 5mL Purge
 QLast Update : Wed Apr 08 08:51:02 2020
 Response via : Initial Calibration





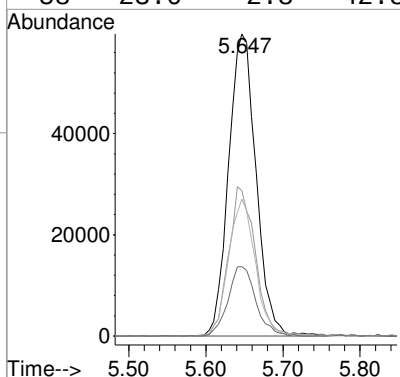
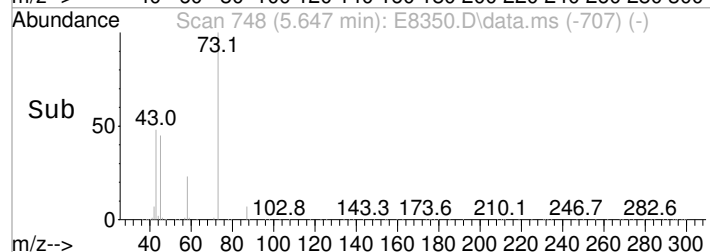
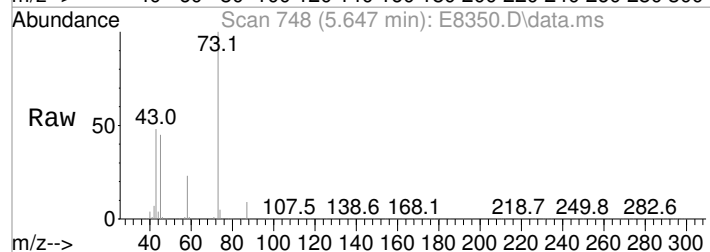
#2
Ethyl Acetate
Concen: 50.13 ug/L
RT: 4.556 min Scan# 569
Delta R.T. -0.003 min
Lab File: E8350.D
Acq: 7 Apr 2020 2:17 pm

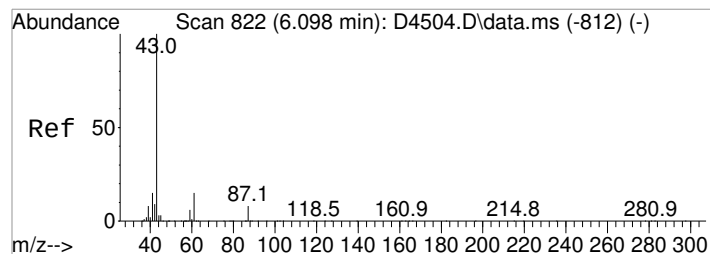
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	177429		
61	13.4	0.0	31.7	
70	9.4	0.0	29.0	
88	6.1	0.0	23.5	



#4
2-Methyl-1,3-Dioxolane
Concen: 261.15 ug/L
RT: 5.647 min Scan# 748
Delta R.T. -0.003 min
Lab File: E8350.D
Acq: 7 Apr 2020 2:17 pm

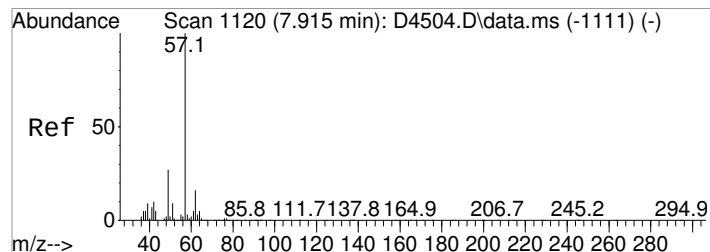
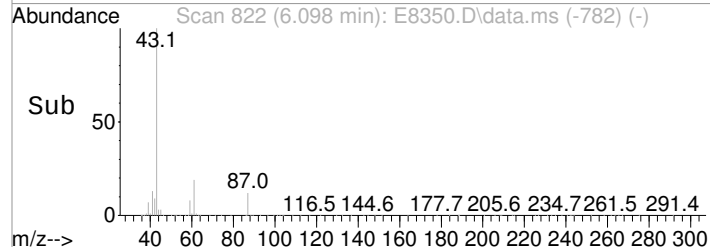
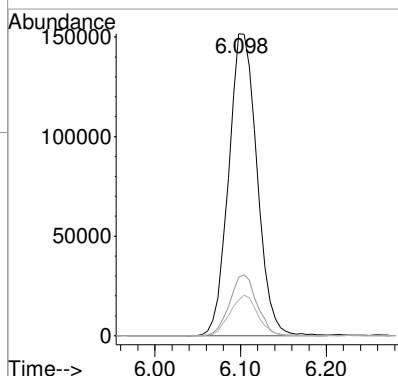
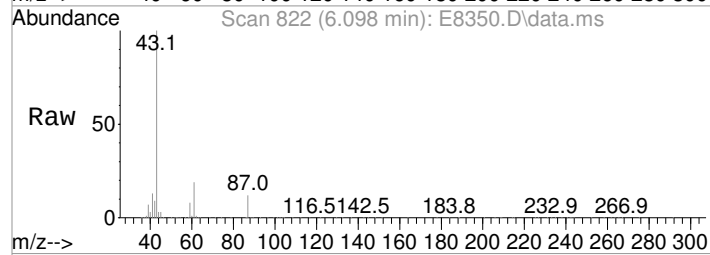
Tgt Ion	Ratio	Resp	Lower	Upper
73	100	147477		
43	48.1	41.2	81.2	
45	45.3	35.5	75.5	
58	23.0	2.8	42.8	





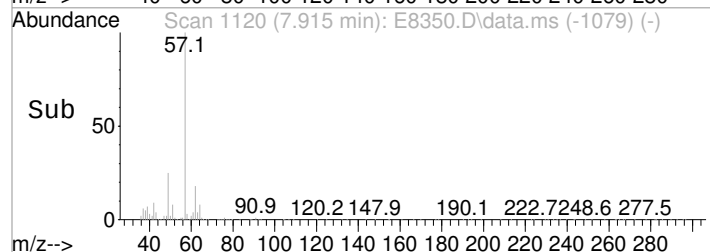
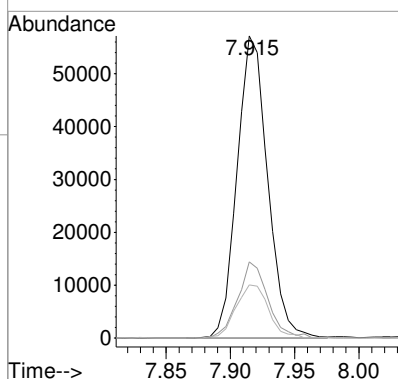
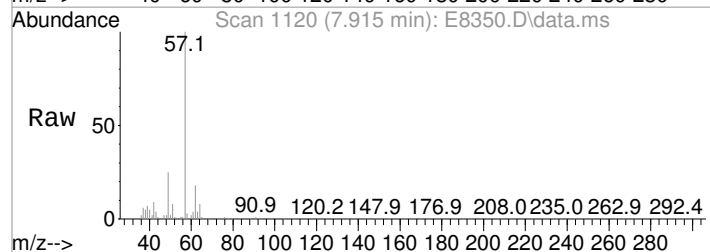
#5
Isopropyl Acetate
Concen: 53.32 ug/L
RT: 6.098 min Scan# 822
Delta R.T. -0.007 min
Lab File: E8350.D
Acq: 7 Apr 2020 2:17 pm

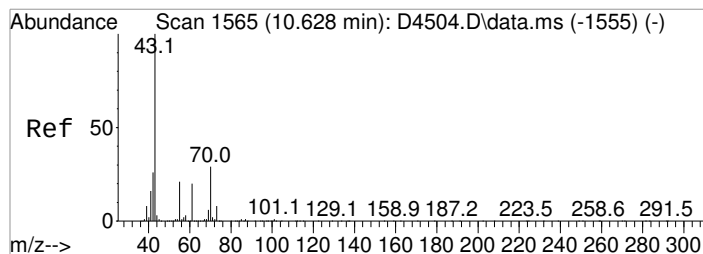
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.3	0.0	37.3
87	11.9	0.0	29.3



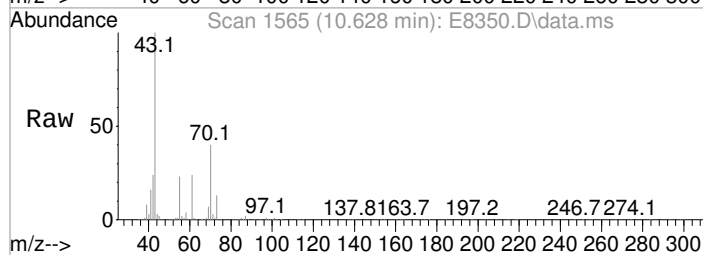
#6
Epichlorohydrin
Concen: 259.36 ug/L
RT: 7.915 min Scan# 1120
Delta R.T. -0.002 min
Lab File: E8350.D
Acq: 7 Apr 2020 2:17 pm

Tgt Ion	Ratio	Lower	Upper
57	100		
49	25.2	21.1	31.7
62	17.6	13.2	19.8

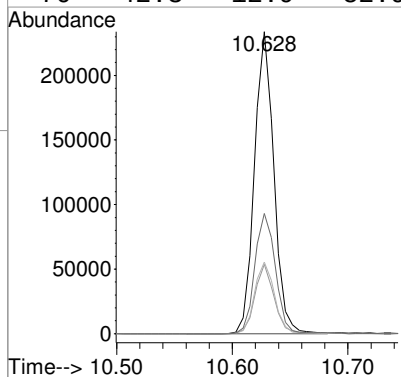
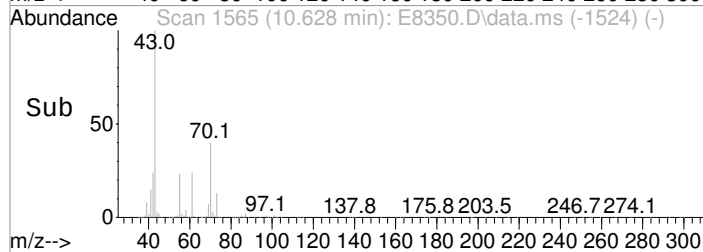




#8
 Amyl Acetate
 Concen: 56.38 ug/L
 RT: 10.628 min Scan# 1565
 Delta R.T. -0.000 min
 Lab File: E8350.D
 Acq: 7 Apr 2020 2:17 pm



Tgt Ion:	43	Resp:	271440
Ion Ratio		Lower	Upper
43	100		
55	22.9	0.1	40.1
61	24.5	1.3	41.3
70	42.3	12.9	52.9

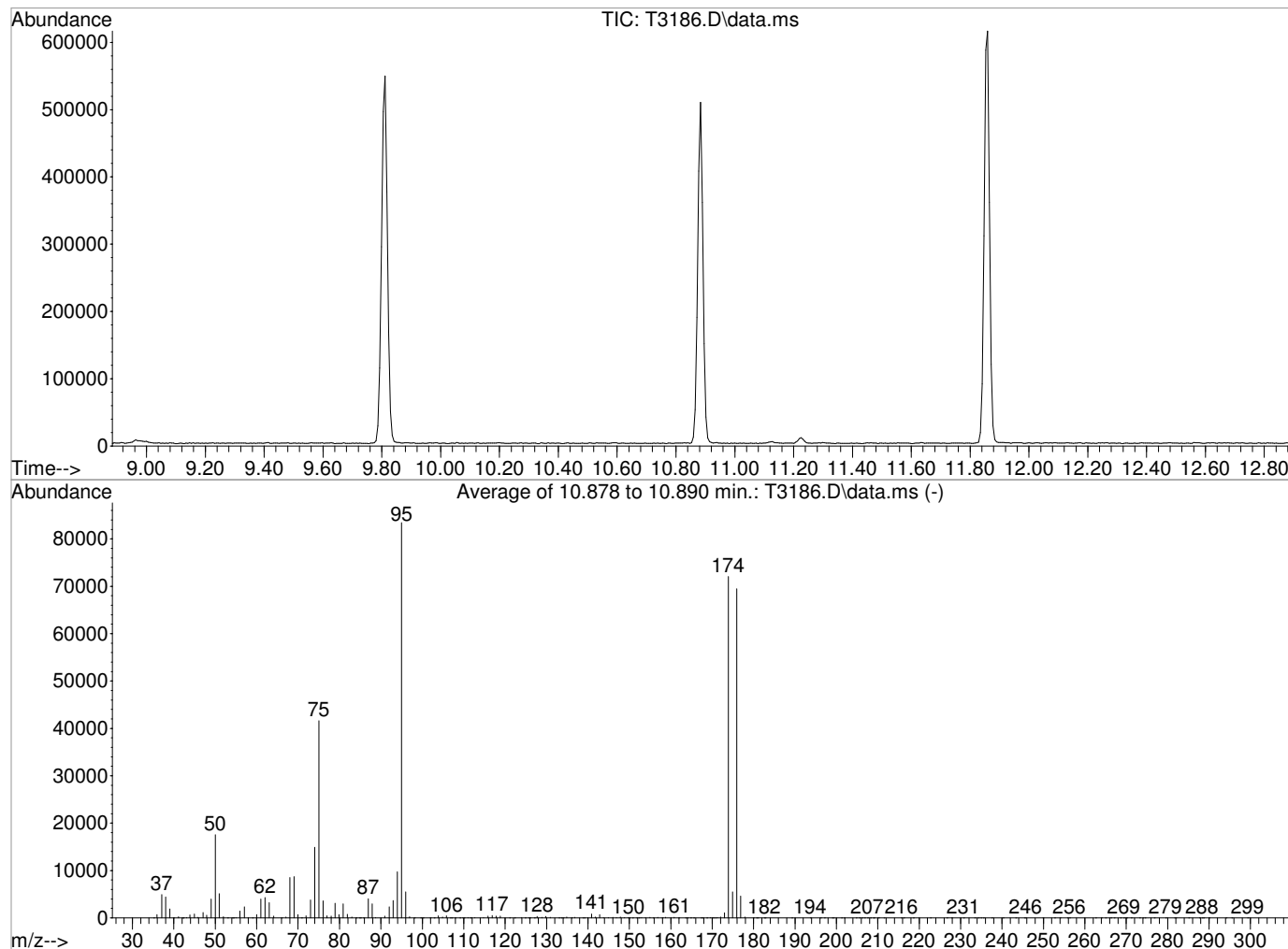


Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3186.D
Acq On : 15 Nov 2020 11:41 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Thu Sep 17 16:48:28 2020



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1599

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	17532	PASS
75	95	30	60	49.9	41635	PASS
95	95	100	100	100.0	83419	PASS
96	95	5	9	6.6	5505	PASS
173	174	0.00	2	1.5	1059	PASS
174	95	50	120	86.4	72069	PASS
175	174	5	9	7.6	5477	PASS
176	174	95	101	96.4	69451	PASS
177	176	5	9	6.6	4598	PASS

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3187.D
 Acq On : 15 Nov 2020 12:15 pm
 Operator : F.NAEGLER
 Sample : ICAL BLK
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 10:11:44 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration

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

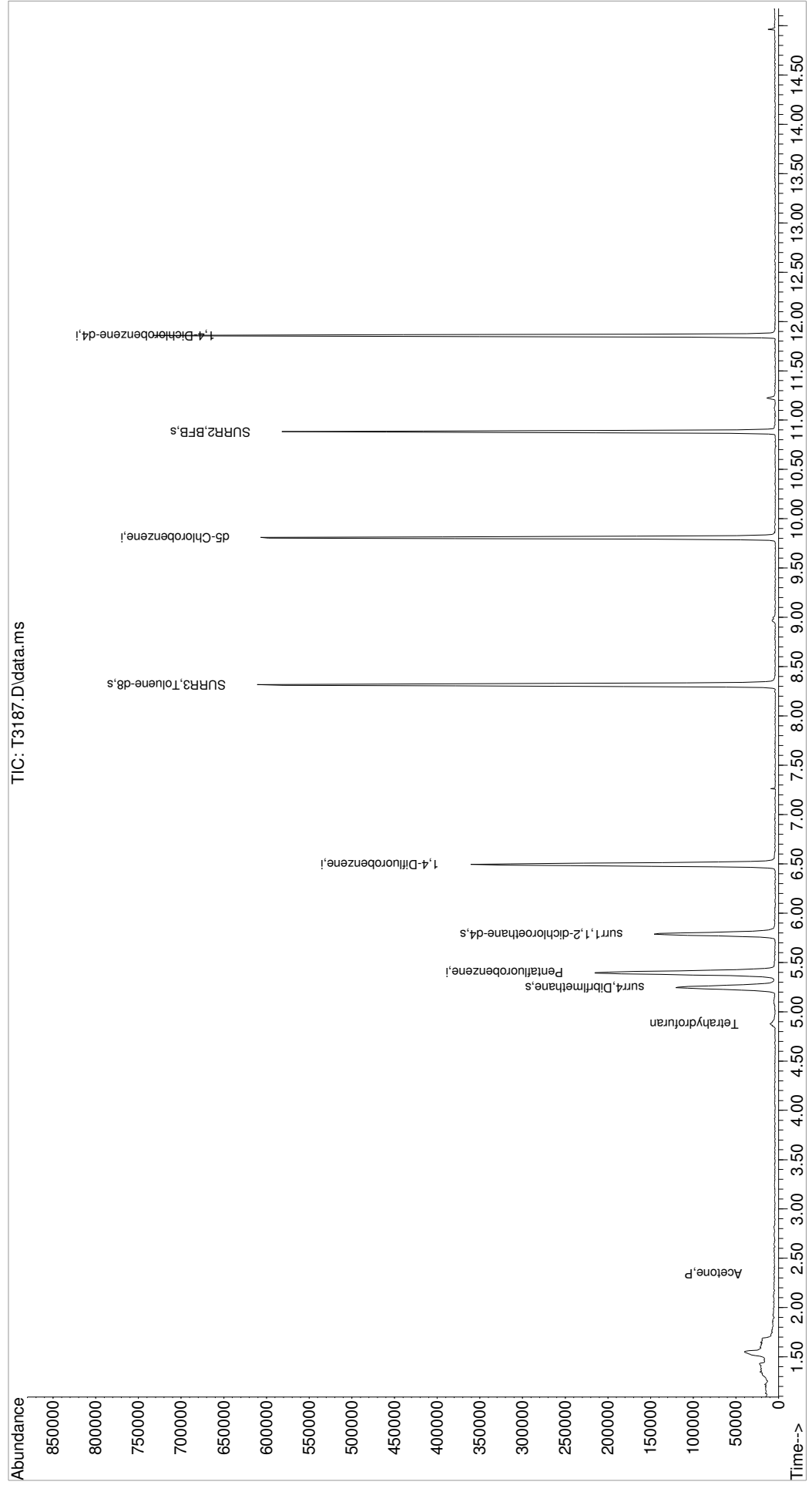
Internal Standards						
1) Pentafluorobenzene	5.397	168	206630	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	307735	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	281997	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	143538	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	96096	49.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery =	99.98%		
46) surr1,1,2-dichloroetha...	5.787	65	122113	49.21	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	98.42%		
64) SURR3,Toluene-d8	8.317	98	368037	49.18	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	98.36%		
69) SURR2,BFB	10.884	95	136695	47.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	95.00%		
Target Compounds						
15) Acetone	2.343	43	1663	1.32	ug/L	Qvalue 79
38) Tetrahydrofuran	4.879	42	6136	0.49	ug/L	87
54) Methylcyclohexane	7.061	55	275	Below Cal	#	22

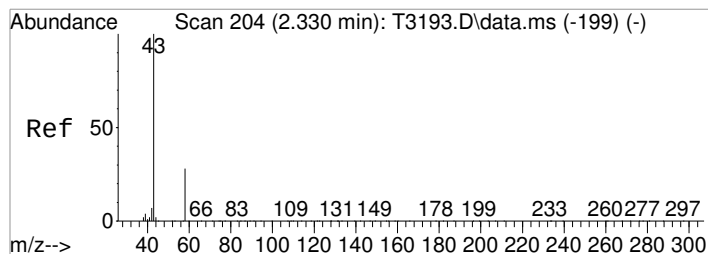
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\1111520\
 Data File : T3187.D
 Acq On : 15 Nov 2020 12:15 pm
 Operator : F.NAEGLER
 Sample : ICAL BLK
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA10

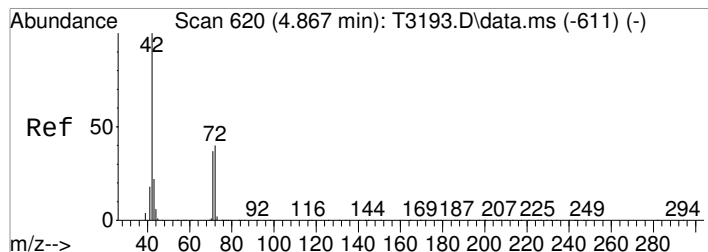
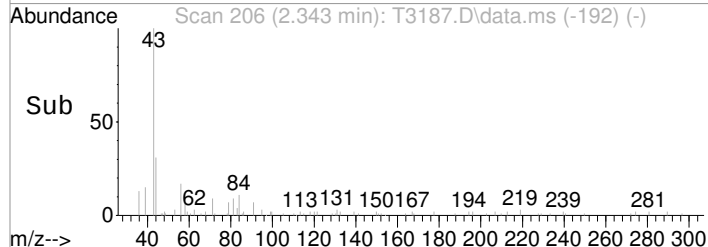
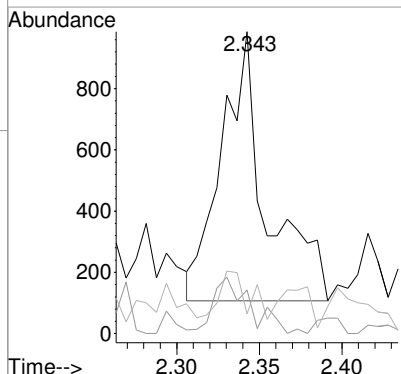
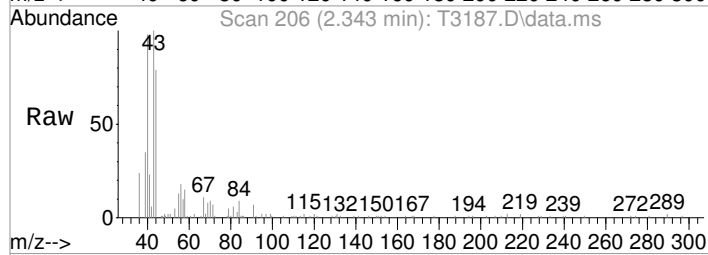
Quant Time: Nov 18 10:11:44 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W1111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 Qlast Update : Wed Nov 18 09:28:27 2020
 Response via : Initial Calibration





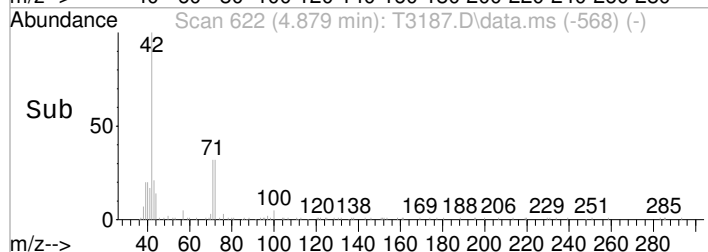
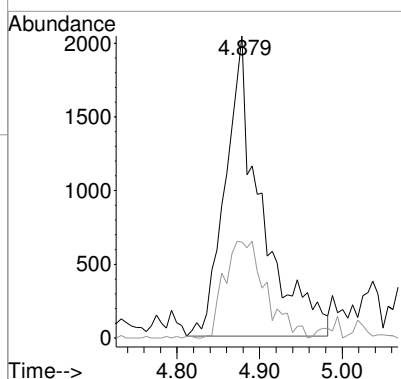
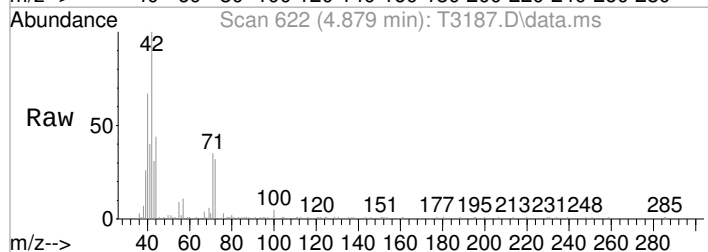
#15
 Acetone
 Concen: 1.32 ug/L
 RT: 2.343 min Scan# 206
 Delta R.T. 0.012 min
 Lab File: T3187.D
 Acq: 15 Nov 2020 12:15 pm

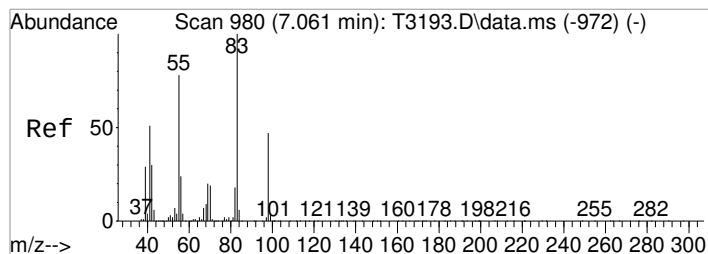
Tgt Ion: 43 Resp: 1663
 Ion Ratio Lower Upper
 43 100
 58 14.5 7.8 47.8
 42 6.5 0.0 27.2



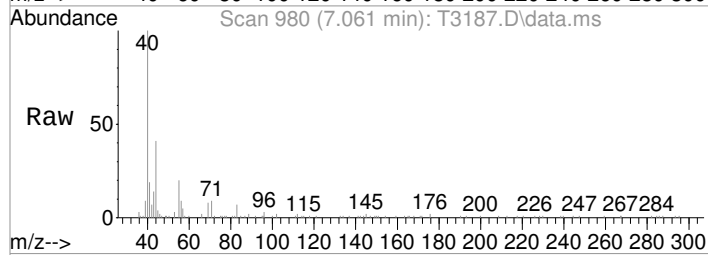
#38
 Tetrahydrofuran
 Concen: 0.49 ug/L
 RT: 4.879 min Scan# 622
 Delta R.T. 0.013 min
 Lab File: T3187.D
 Acq: 15 Nov 2020 12:15 pm

Tgt Ion: 42 Resp: 6136
 Ion Ratio Lower Upper
 42 100
 72 31.8 19.8 59.8

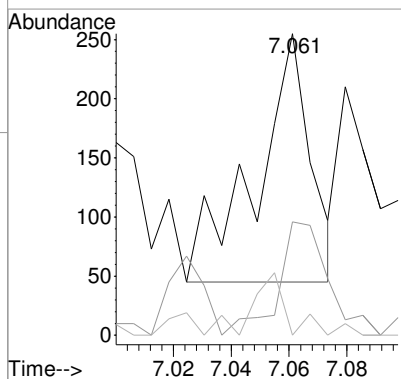
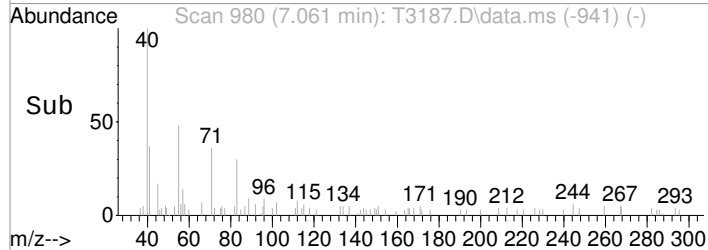




#54
 Methylcyclohexane
 Concen: Below Cal
 RT: 7.061 min Scan# 980
 Delta R.T. 0.000 min
 Lab File: T3187.D
 Acq: 15 Nov 2020 12:15 pm



Tgt Ion: 55 Resp: 275
 Ion Ratio Lower Upper
 55 100
 83 37.6 107.5 147.5#
 98 0.0 40.1 80.1#



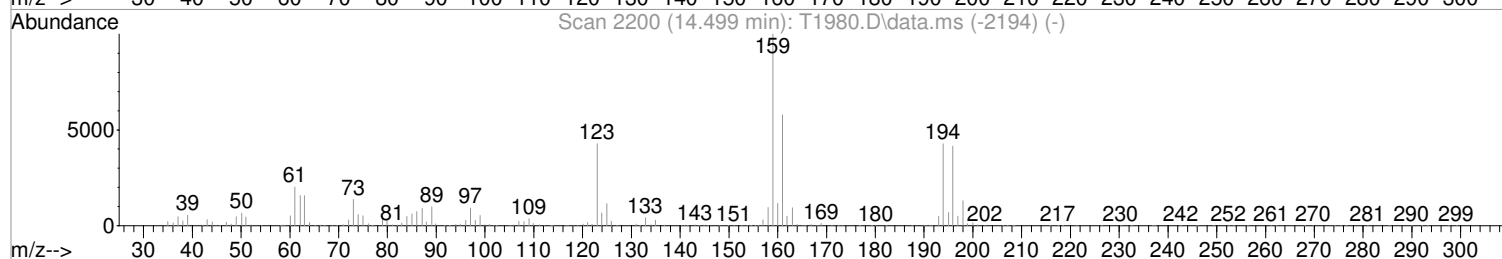
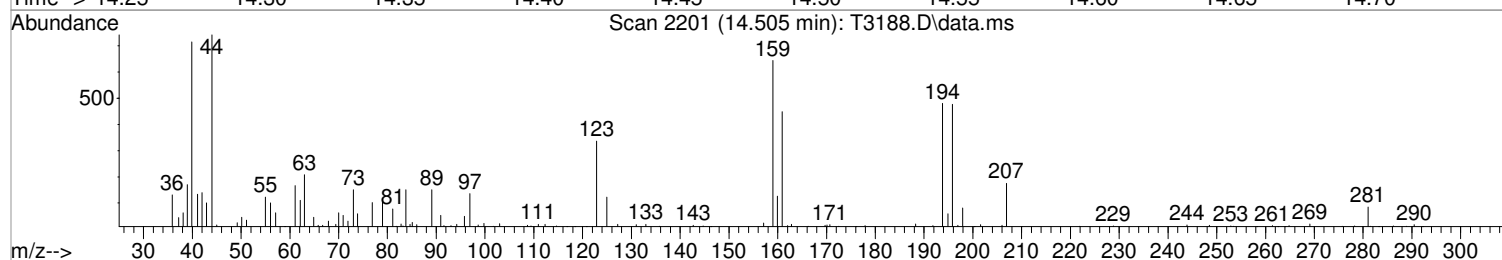
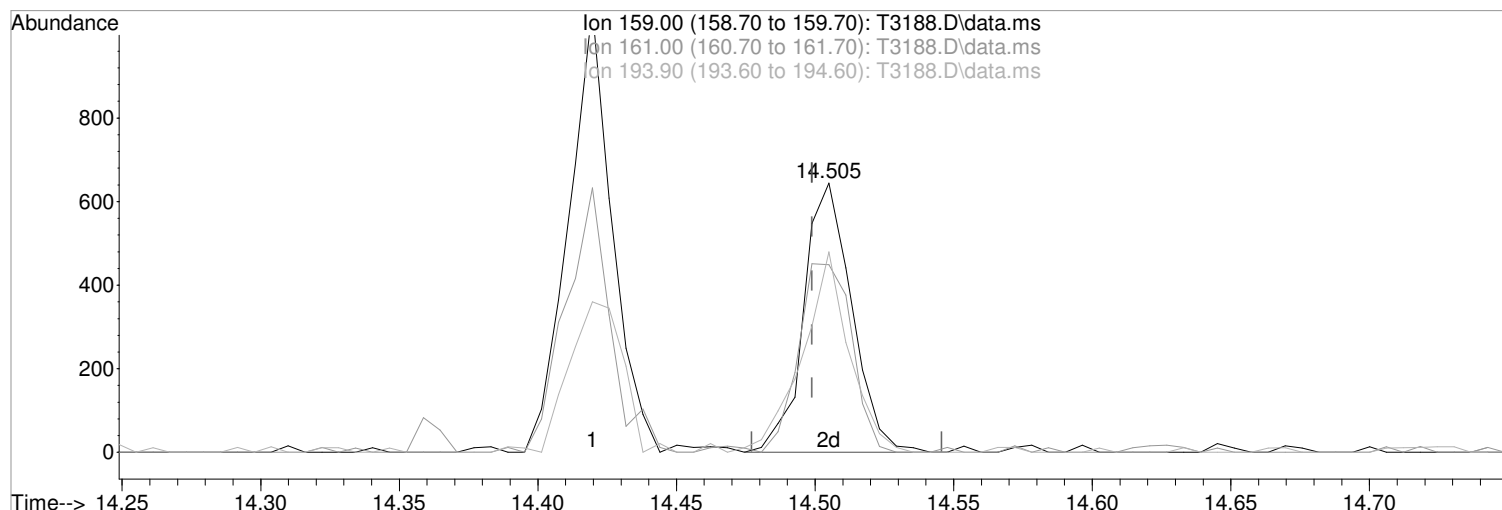
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.505min (+0.006) 0.50 ug/L m

response 777

Ion	Exp%	Act%
159.00	100	100
161.00	57.80	69.72
193.90	42.80	74.53#
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

11/18/20

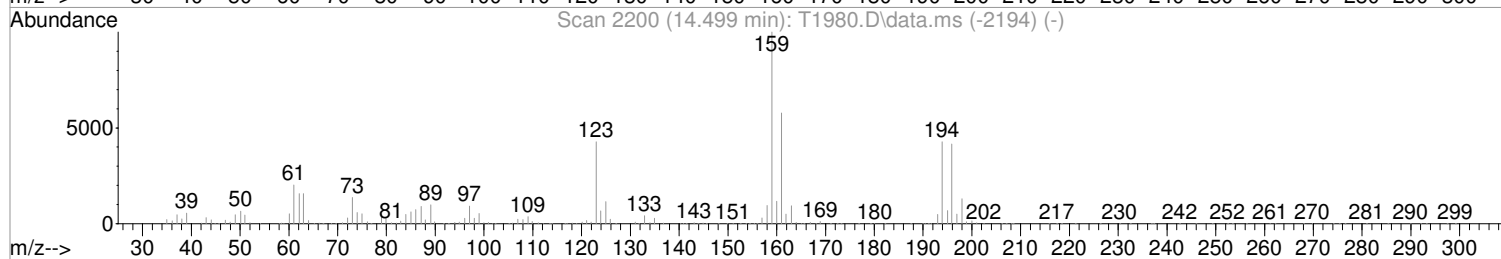
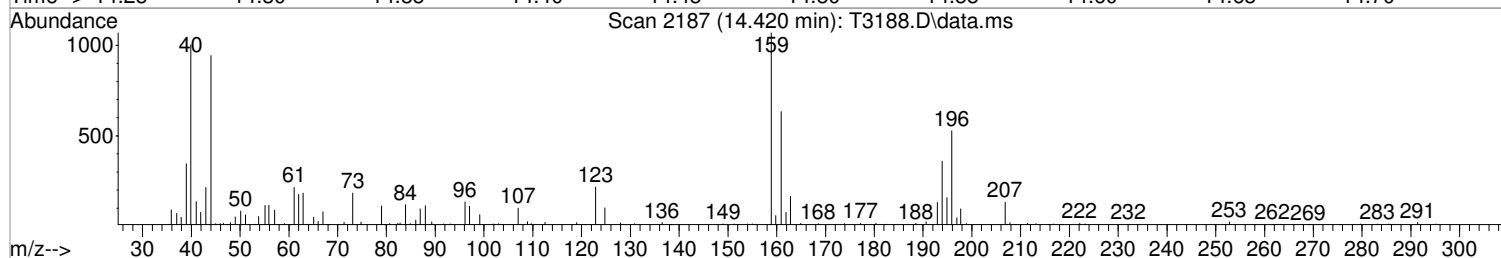
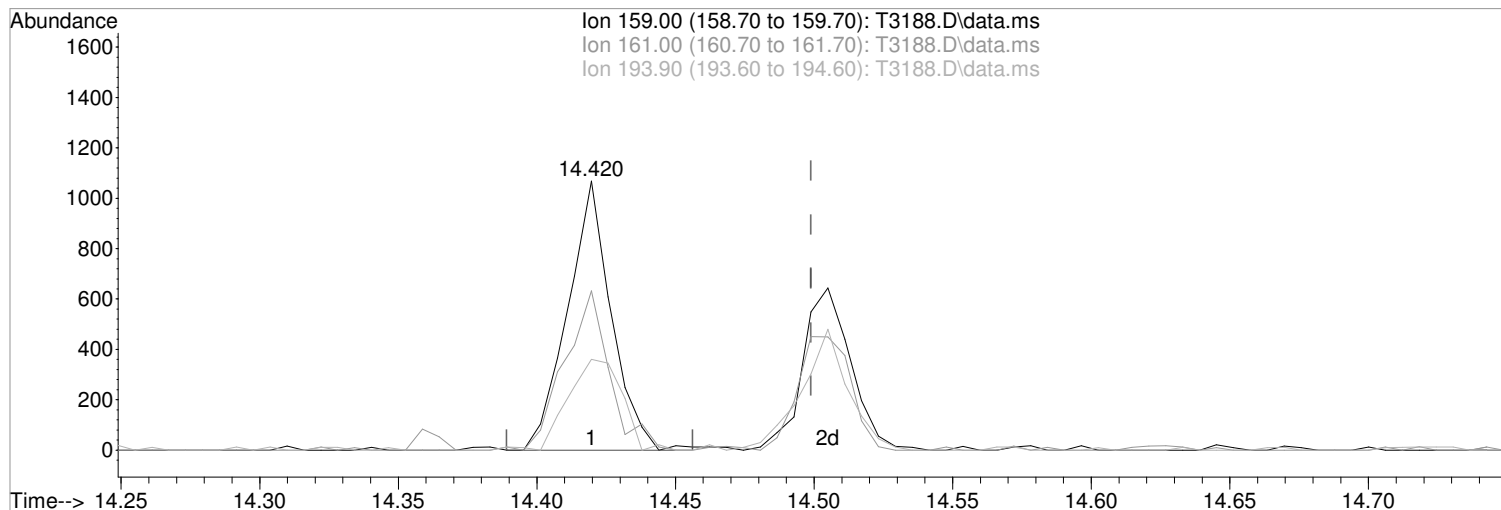
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(119) 2,3,6-Trichlorotoluene
14.420min (-0.079) 0.75 ug/L
response 1172

Manual Integration:

Before

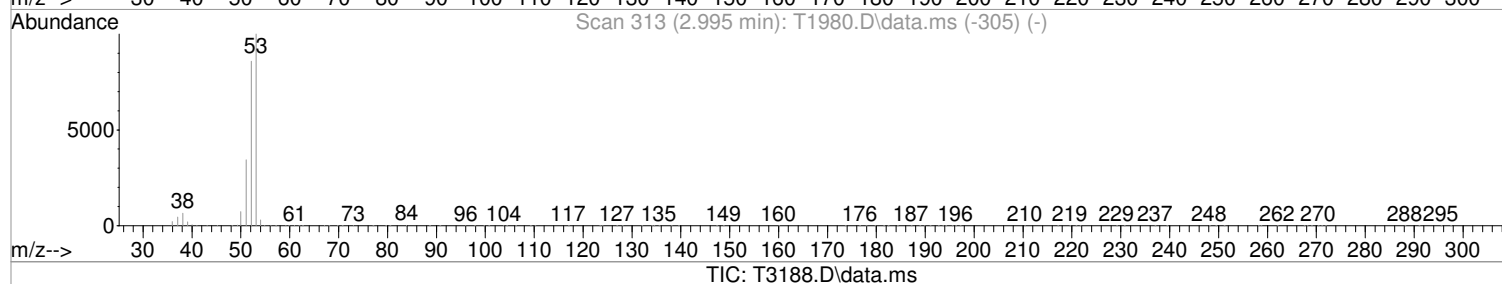
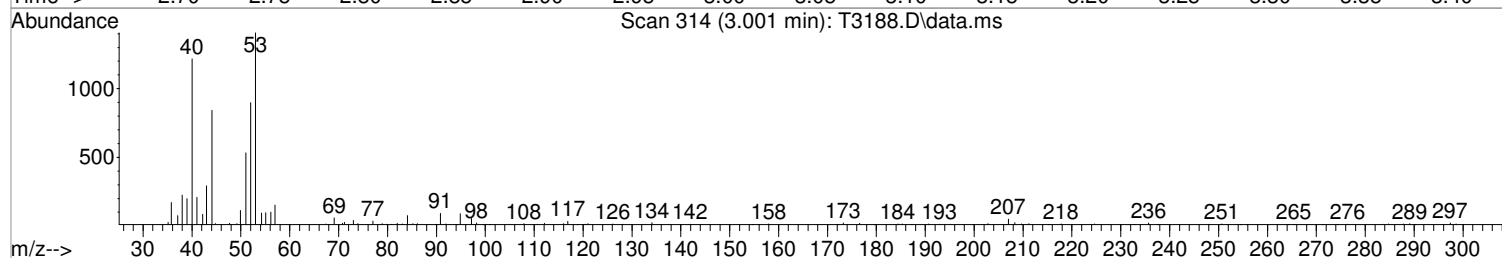
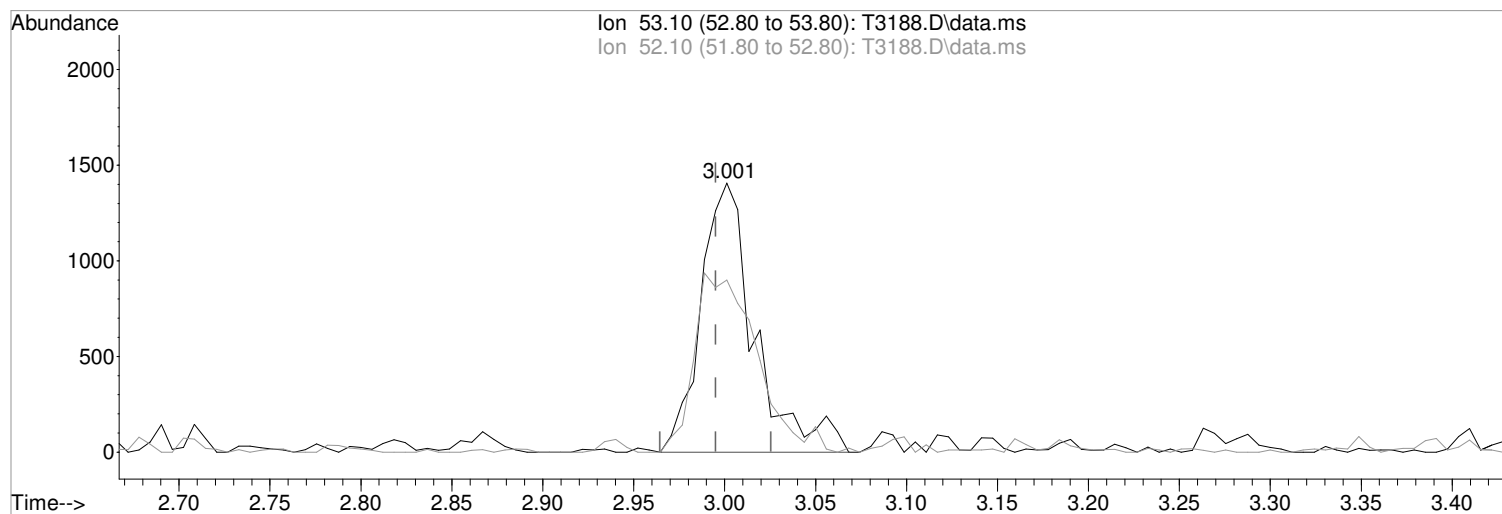
Ion	Exp%	Act%
159.00	100	100
161.00	57.80	59.27
193.90	42.80	33.71
0.00	0.00	0.00

11/18/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



(24) Acrylonitrile

Manual Integration:

3.001min (+0.006) 2.61 ug/L m

After

response 2887

Poor integration.

Ion	Exp%	Act%
53.10	100	100
52.10	85.80	63.94#
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

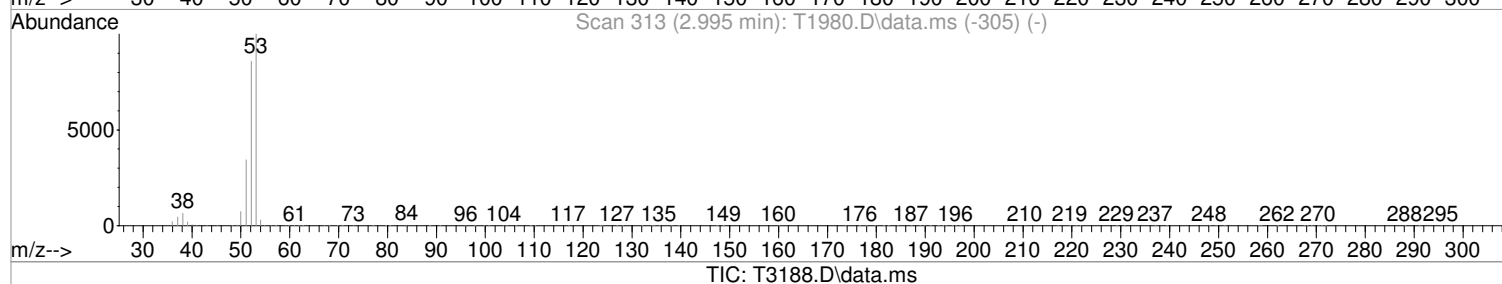
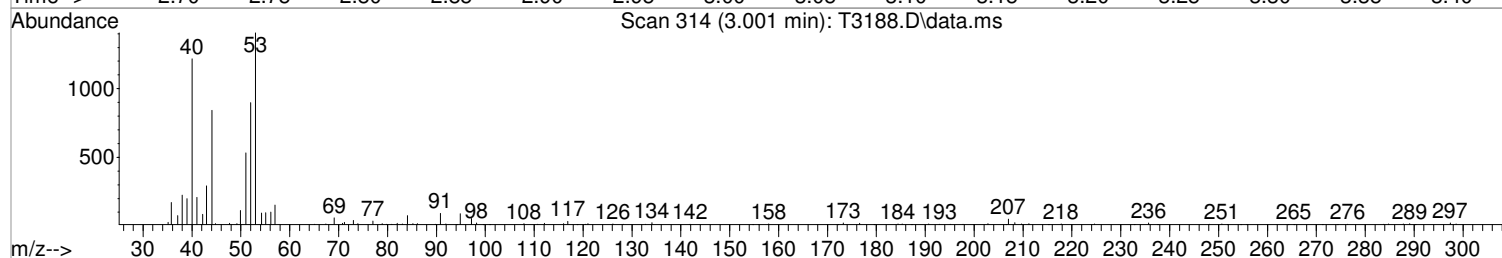
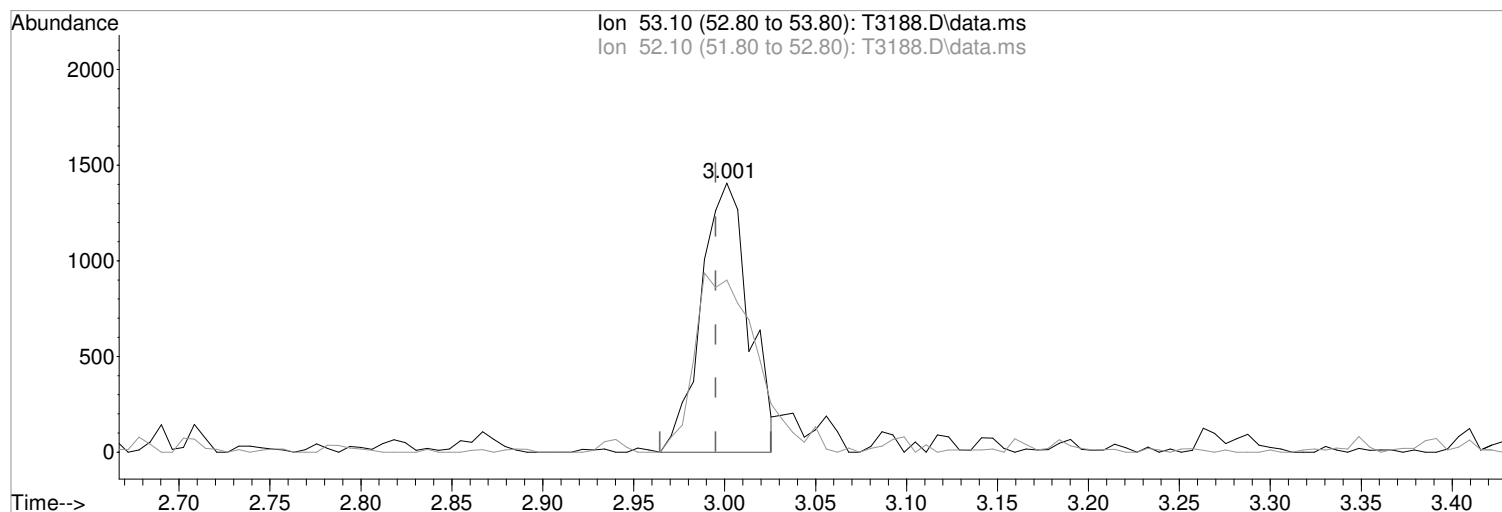
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



(24) Acrylonitrile

Manual Integration:

3.001min (+0.006) 2.31 ug/L

Before

response 2563

Ion	Exp%	Act%
53.10	100	100
52.10	85.80	63.94#
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

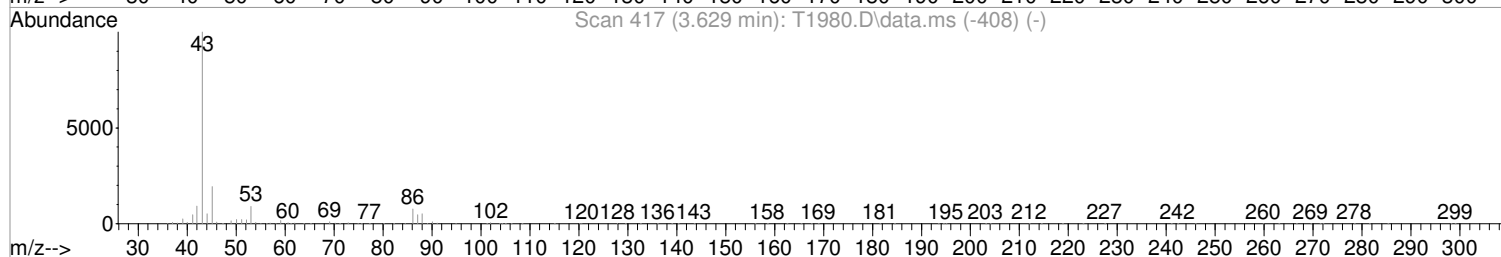
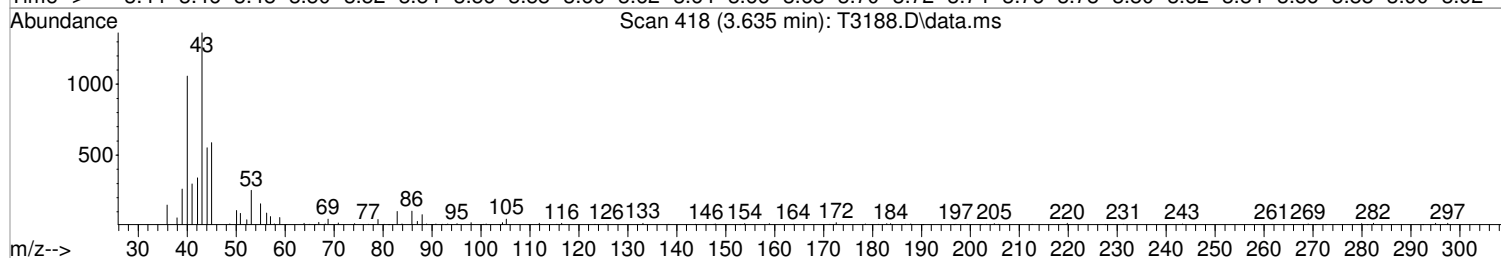
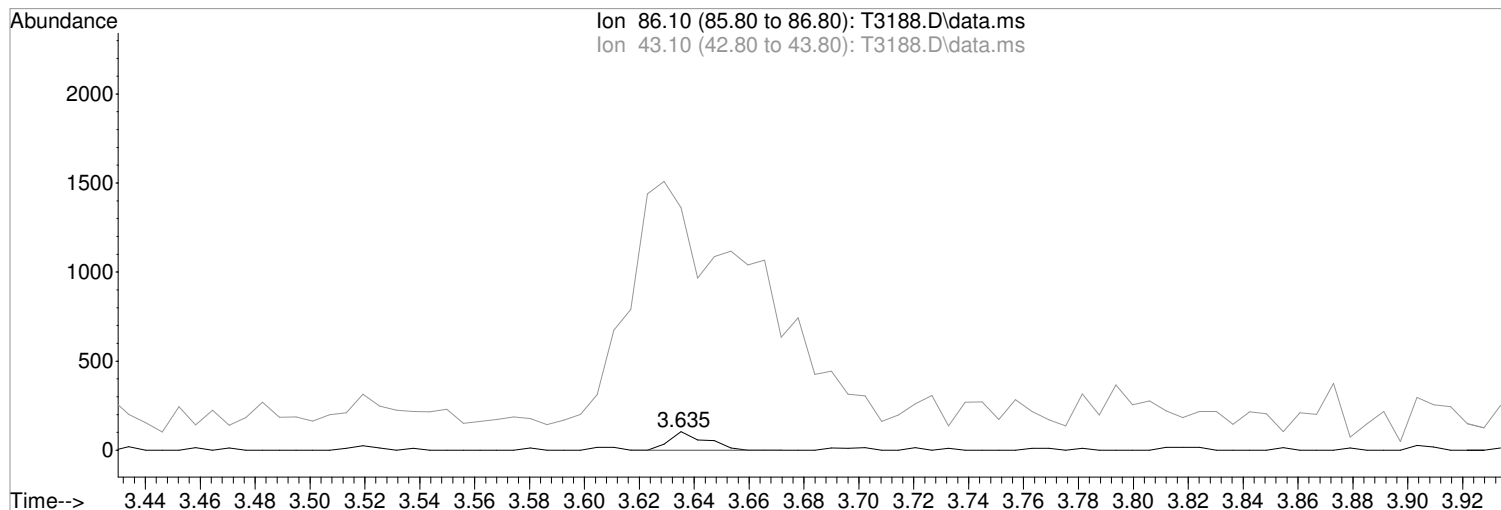
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(28) Vinyl Acetate

3.635min (+0.006) 0.25 ug/L m

response 97

Ion Exp% Act%

86.10 100 100

43.10 1317.20 1297.14#

0.00 0.00 0.00

0.00 0.00 0.00

Manual Integration:

After

Peak not found.

11/18/20

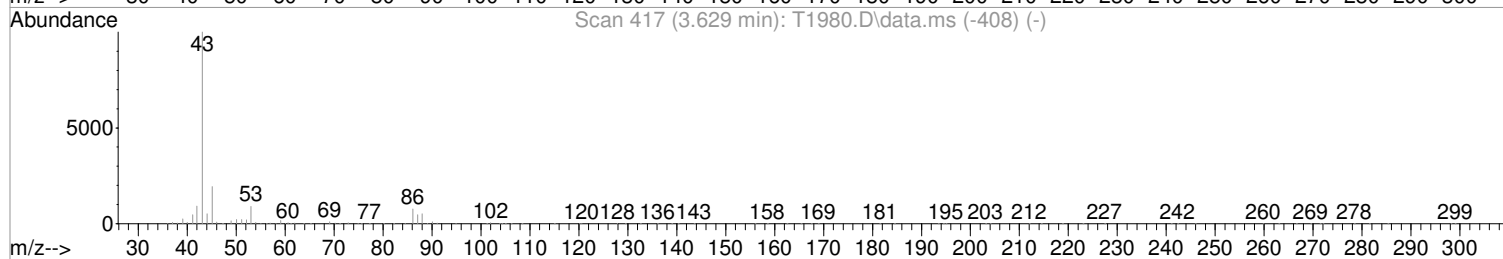
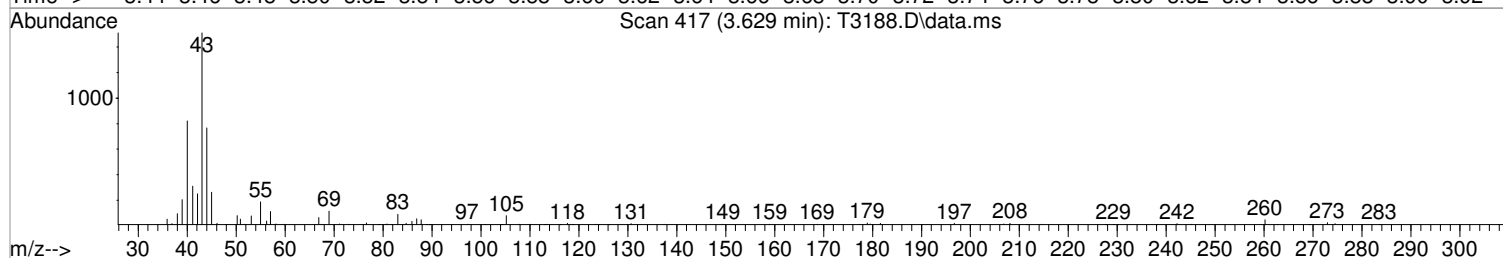
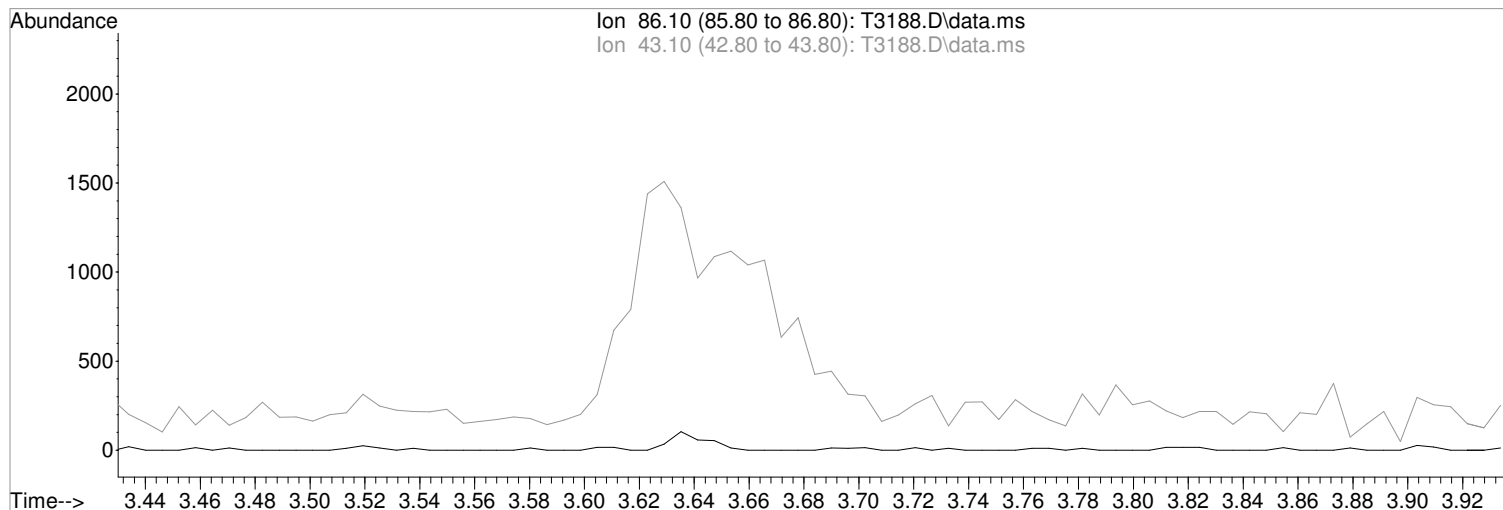
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(28) Vinyl Acetate

Manual Integration:

3.629min (-3.629) 0.00 ug/L

Before

response 0

Ion	Exp%	Act%
86.10	100	0.00
43.10	1317.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

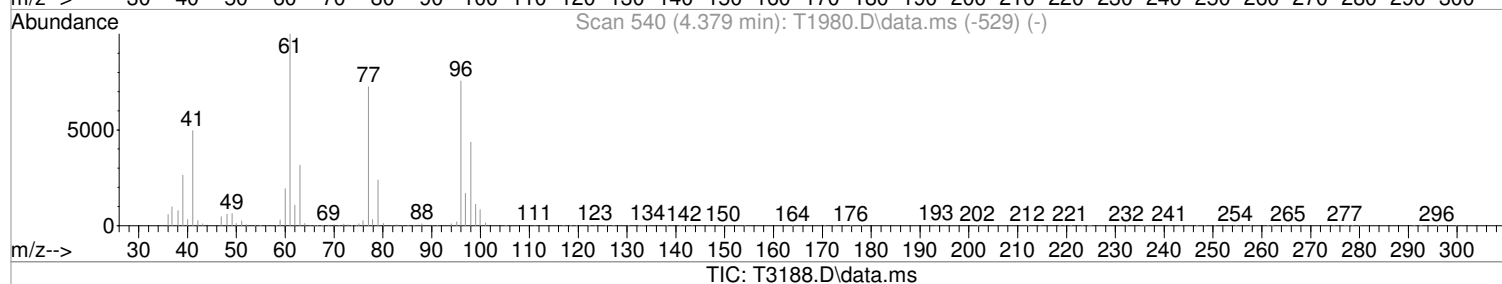
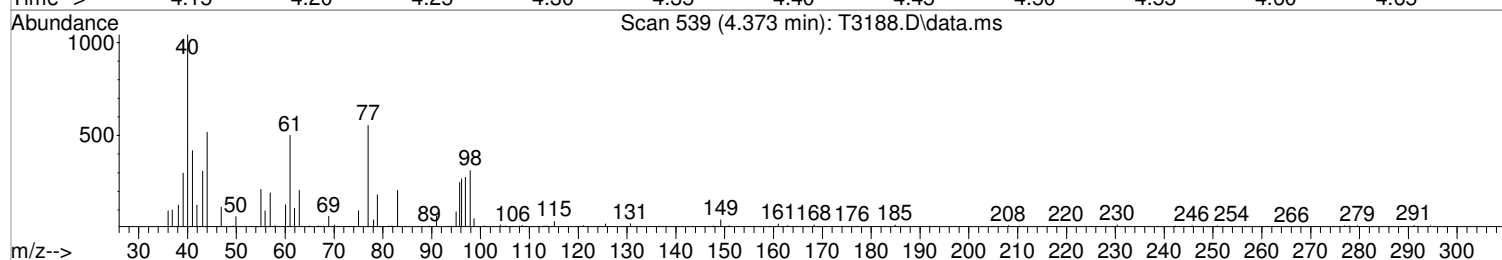
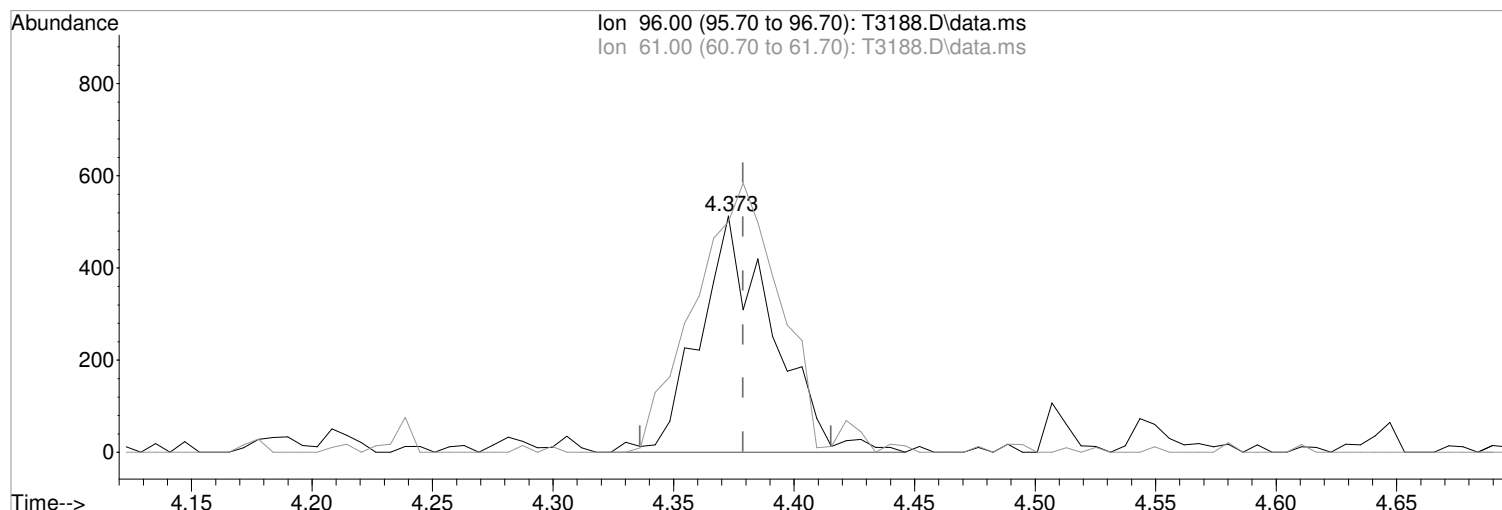
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



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

4.373min (-0.006) 0.51 ug/L m

response 1082

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	187.97#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

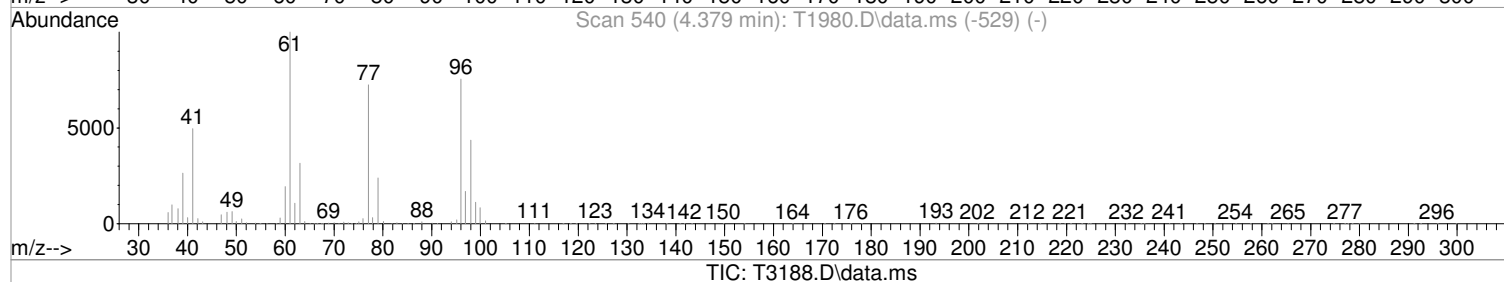
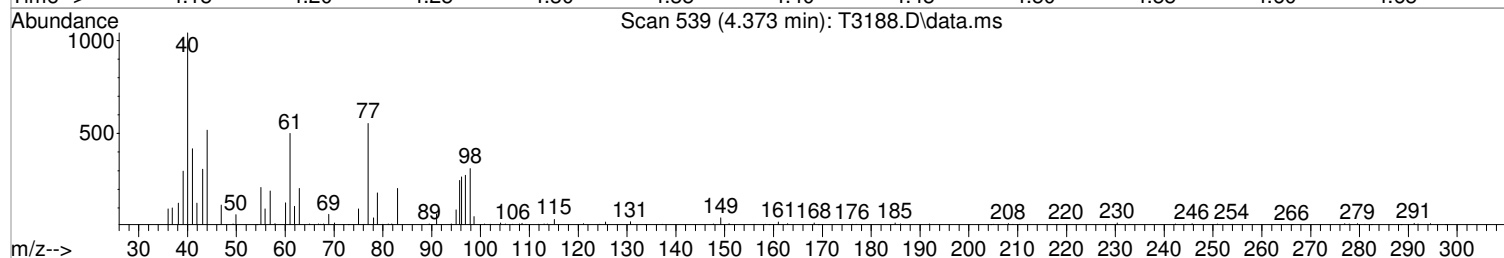
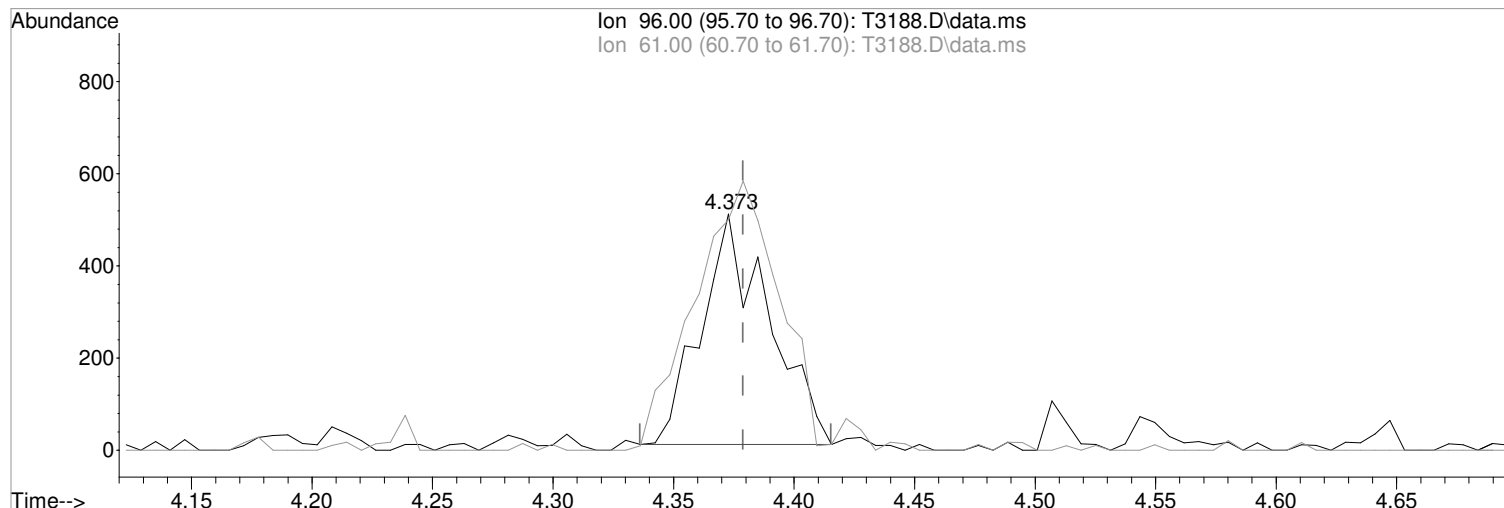
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



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

Manual Integration:

4.373min (-0.006) 0.46 ug/L

Before

response 980

Ion Exp% Act%

11/18/20

96.00 100 100

61.00 133.10 97.47#

0.00 0.00 0.00

0.00 0.00 0.00

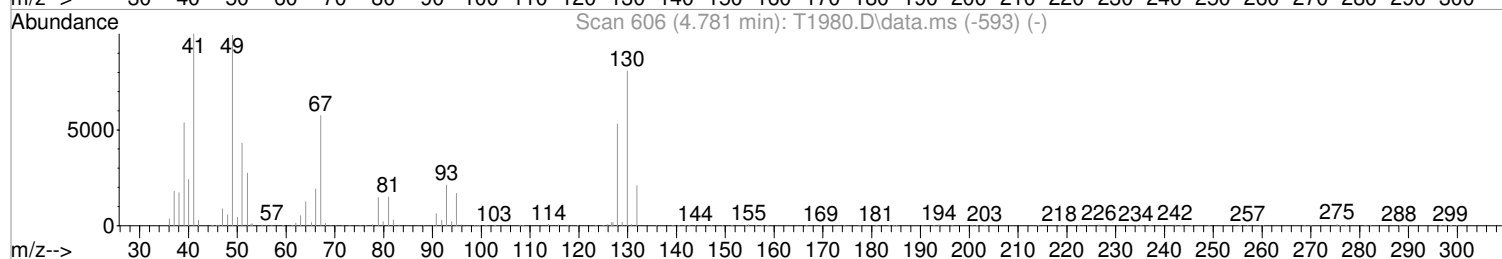
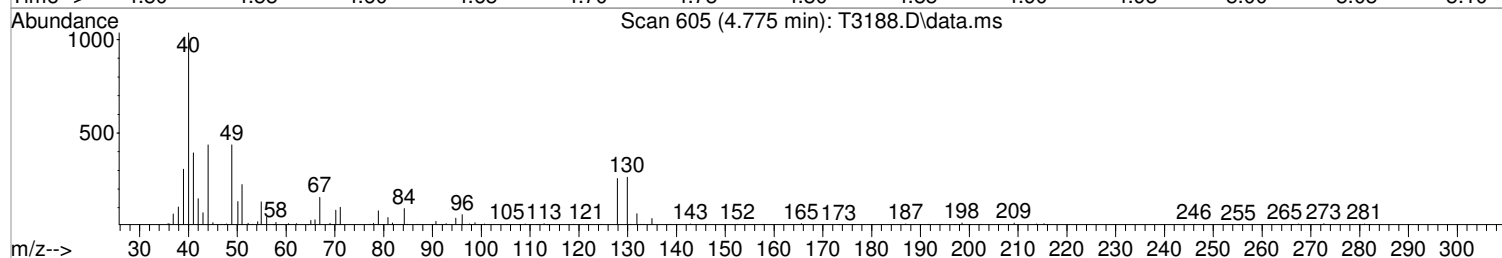
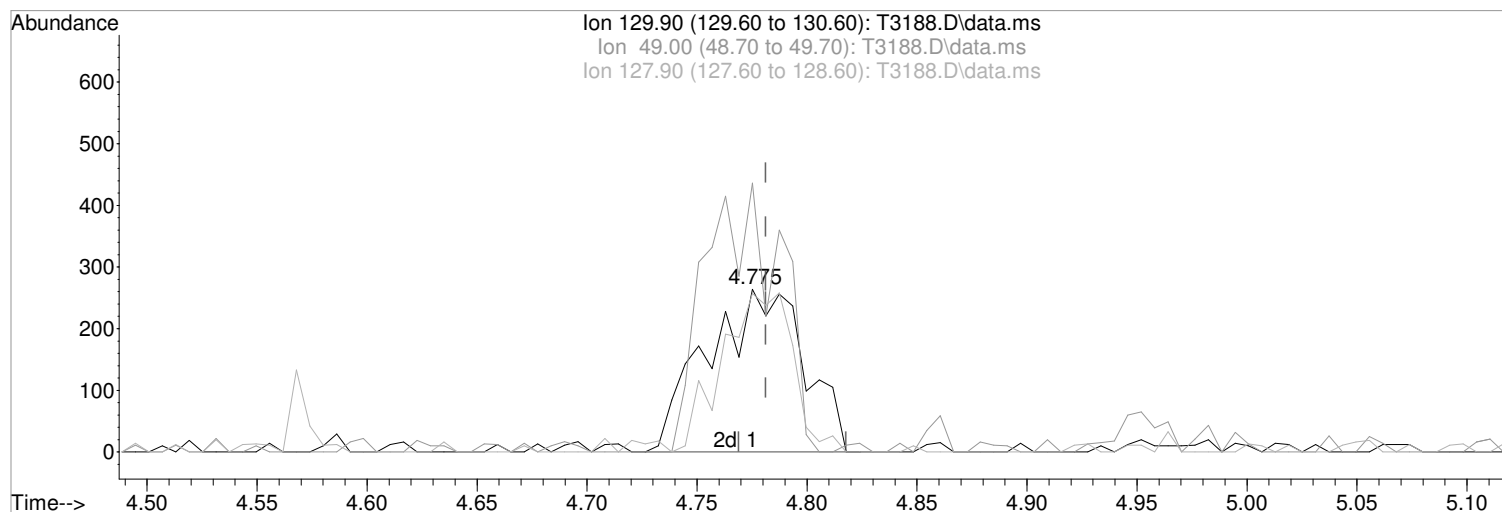
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(36) Bromochloromethane

4.775min (-0.006) 0.59 ug/L m

response 814

Ion Exp% Act%

129.90 100 100

49.00 123.20 165.15#

127.90 66.00 97.35#

0.00 0.00 0.00

Manual Integration:

After

Poor integration.

11/18/20

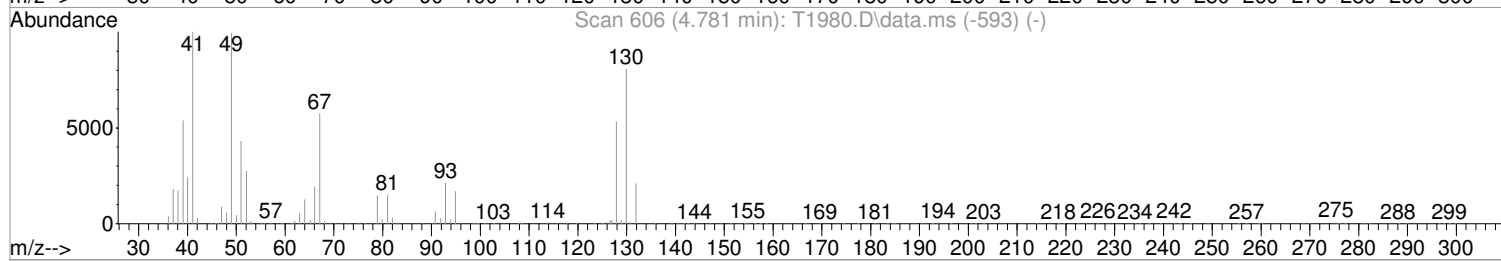
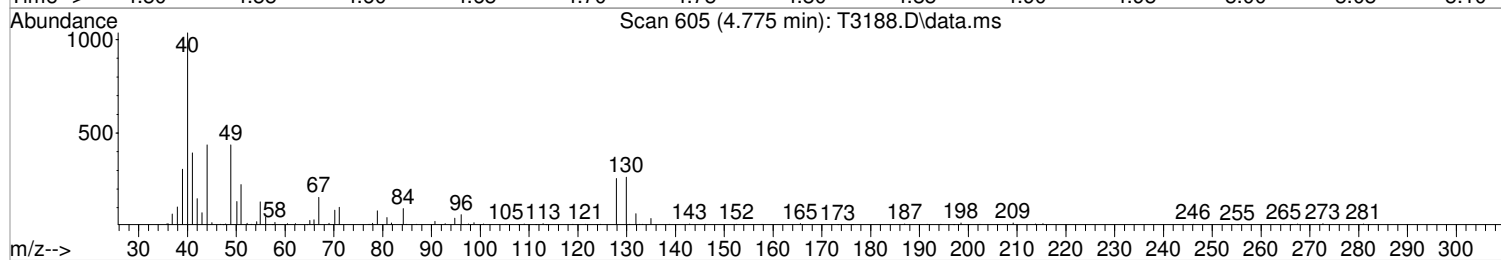
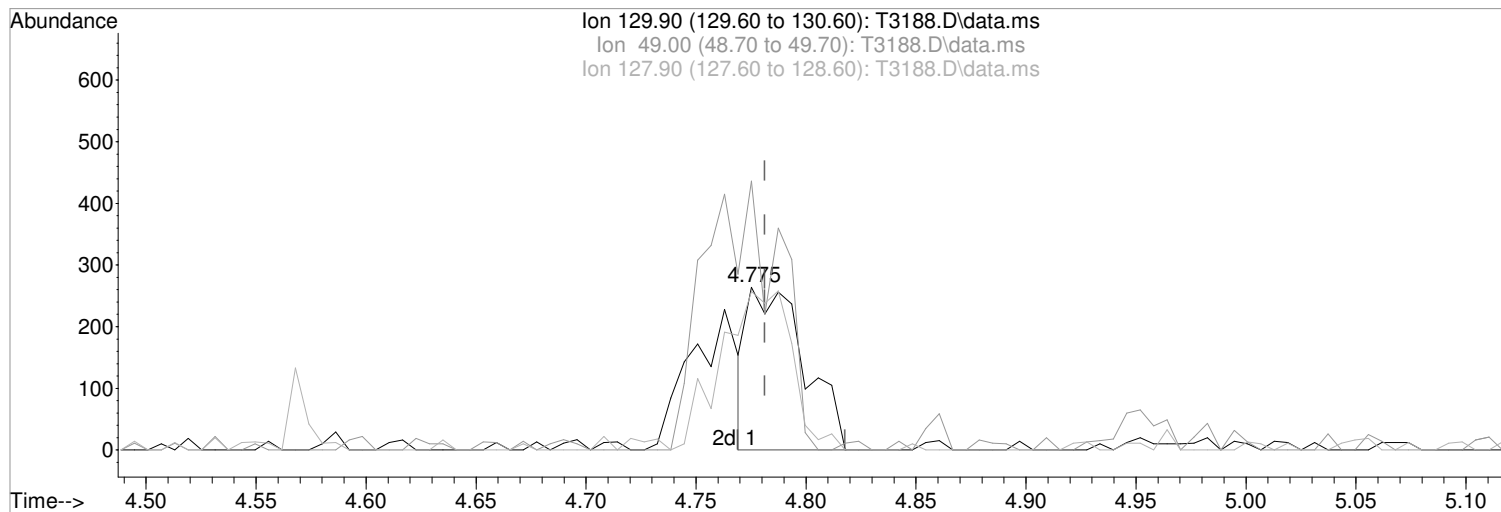
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(36) Bromochloromethane

Manual Integration:

4.775min (-0.006) 0.35 ug/L

Before

response 475

Ion	Exp%	Act%

11/18/20

129.90	100	100

49.00	123.20	158.55#

127.90	66.00	93.45#

0.00	0.00	0.00

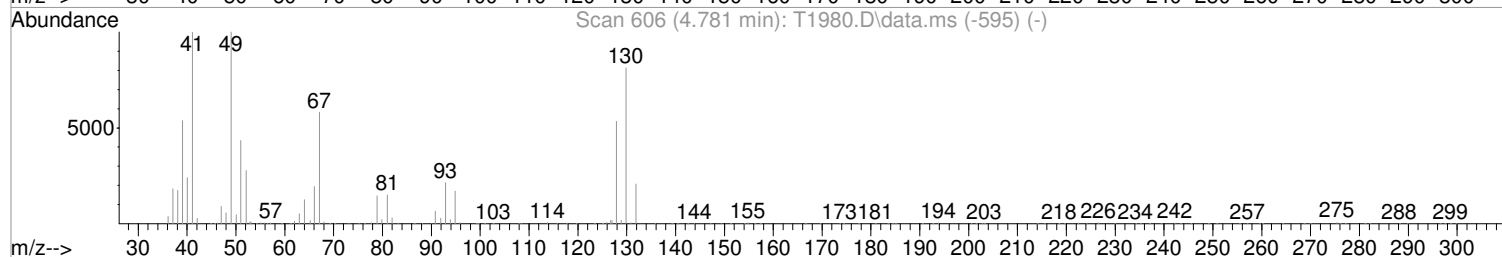
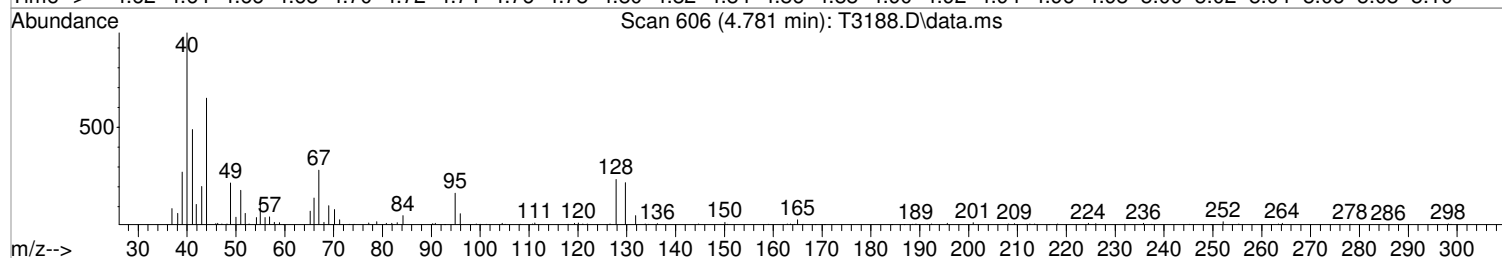
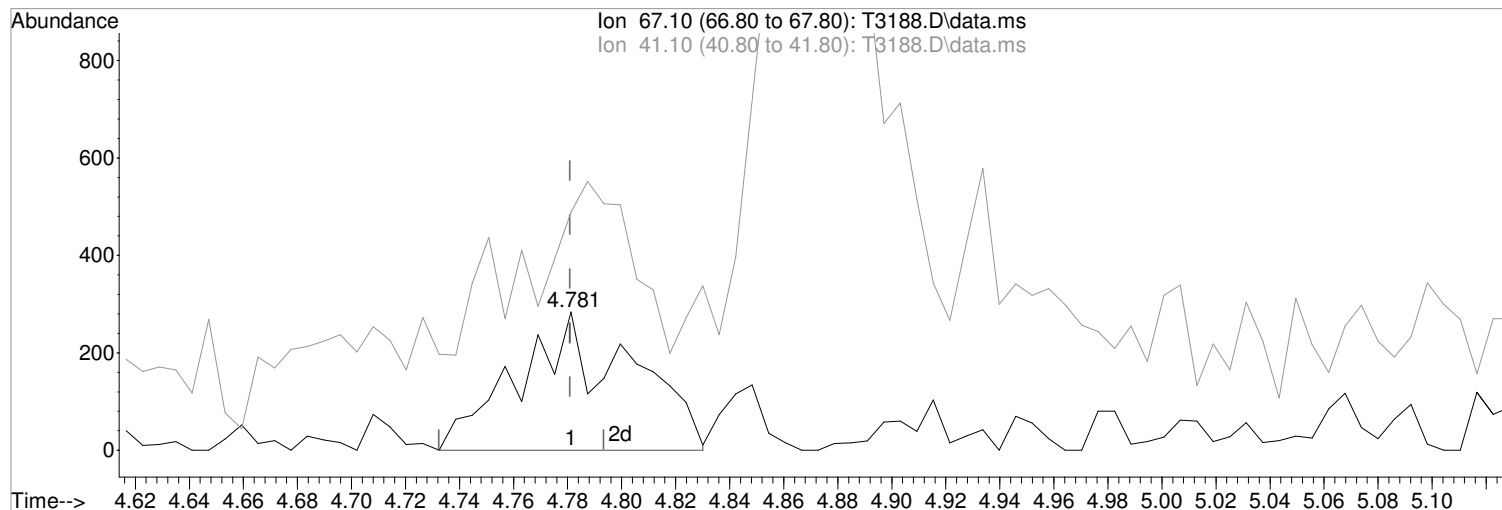
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(37) Methacrylonitrile

4.781min (+0.000) 0.76 ug/L m

response 823

Ion	Exp%	Act%
67.10	100	100
41.10	174.00	172.18
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

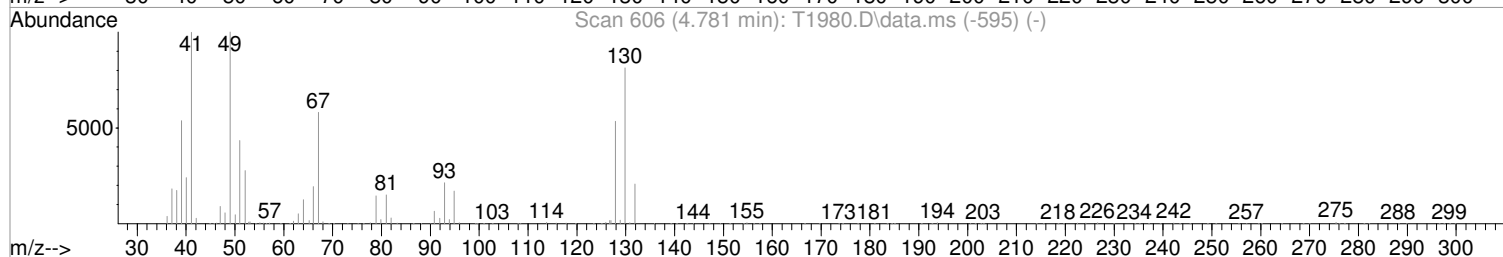
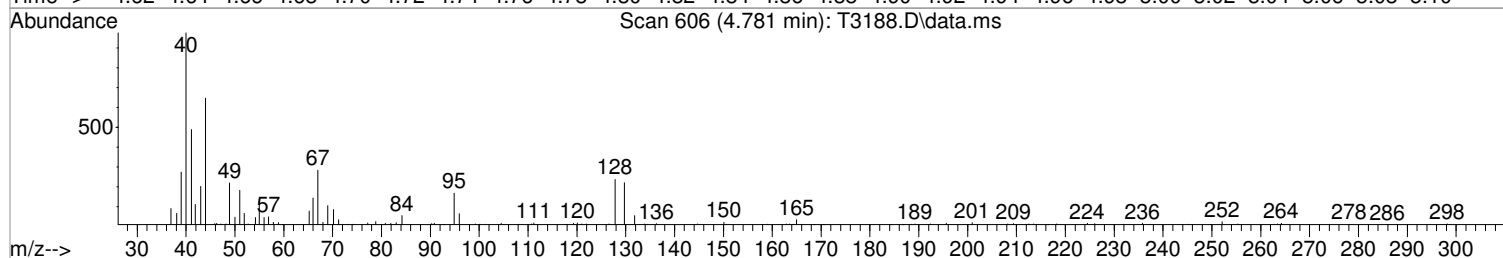
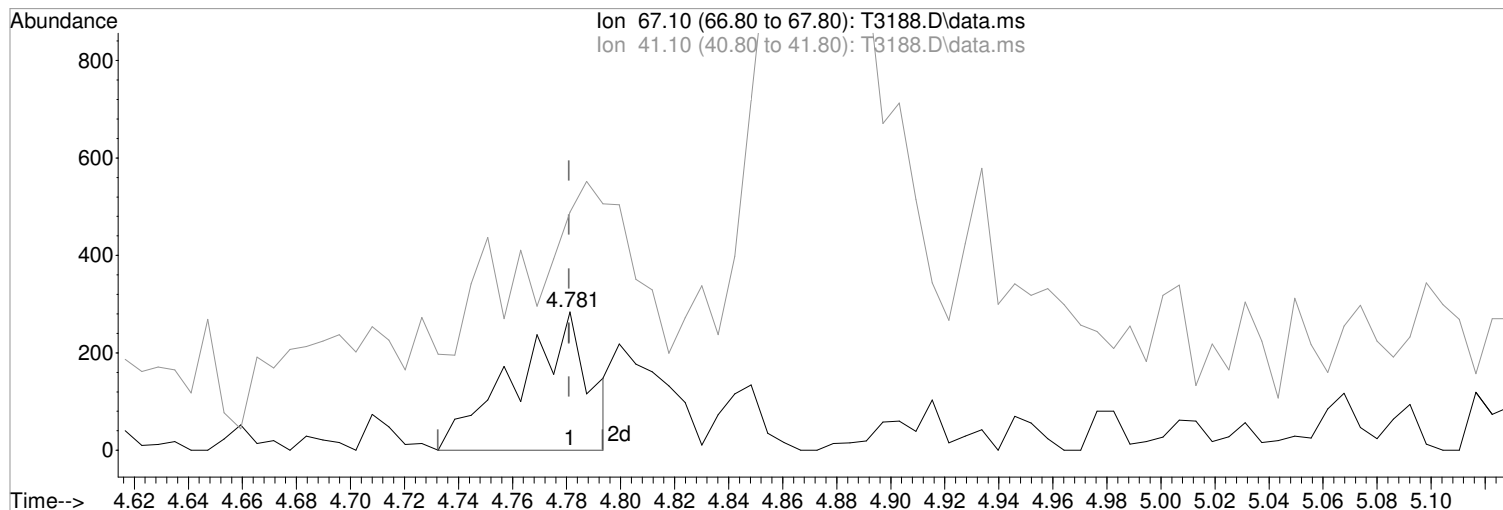
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



(37) Methacrylonitrile

Manual Integration:

4.781min (+0.000) 0.49 ug/L

Before

response 531

Ion	Exp%	Act%
67.10	100	100
41.10	174.00	172.18
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

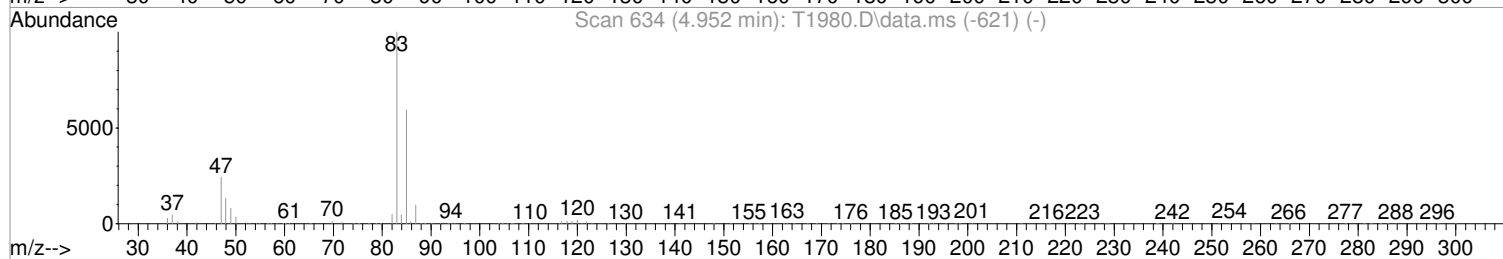
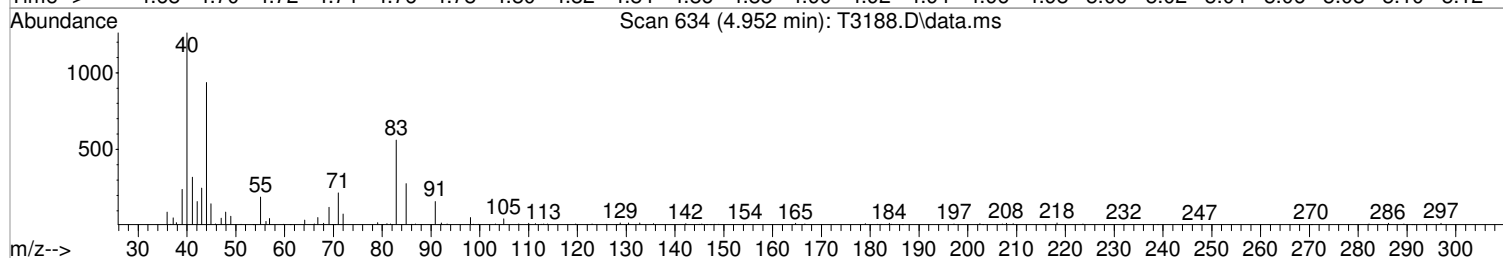
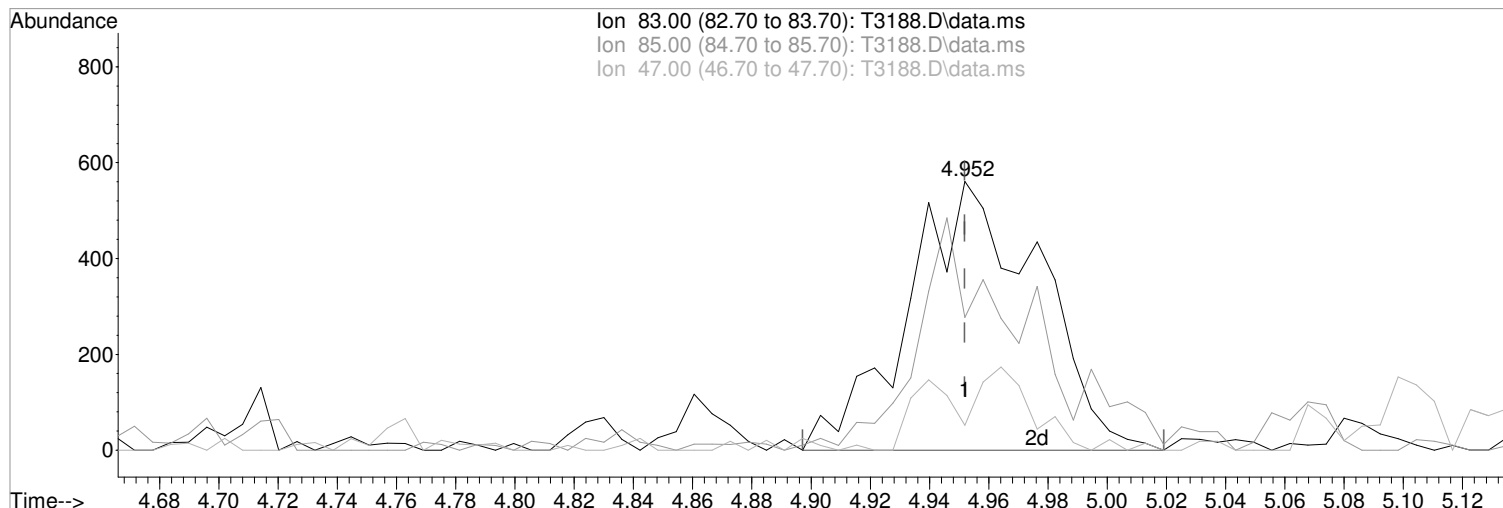
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(39) Chloroform (P)

4.952min (-0.000) 0.55 ug/L m

response 1731

Ion	Exp%	Act%
83.00	100	100
85.00	59.50	49.38
47.00	24.20	9.27
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

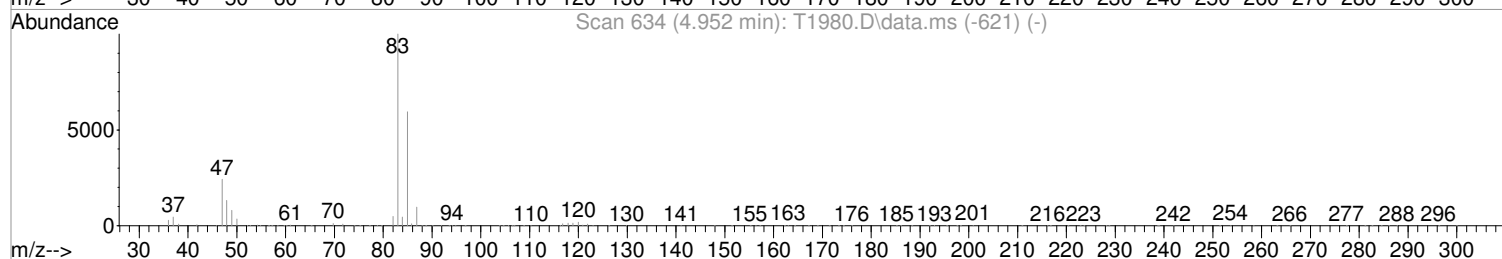
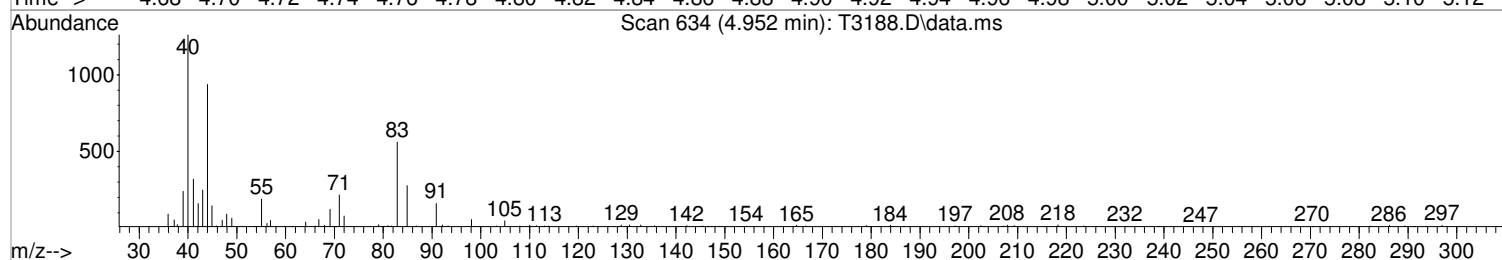
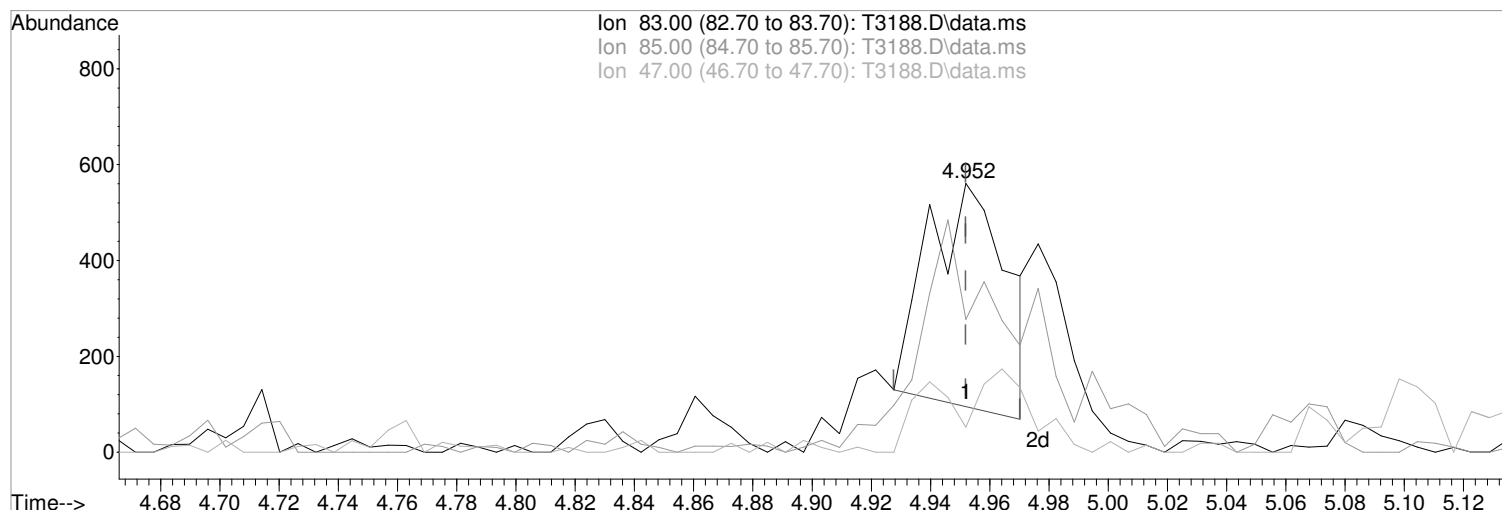
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(39) Chloroform (P)

Manual Integration:

4.952min (-0.000) 0.27 ug/L

Before

response 850

Ion	Exp%	Act%
83.00	100	100
85.00	59.50	49.38
47.00	24.20	9.27
0.00	0.00	0.00

11/18/20

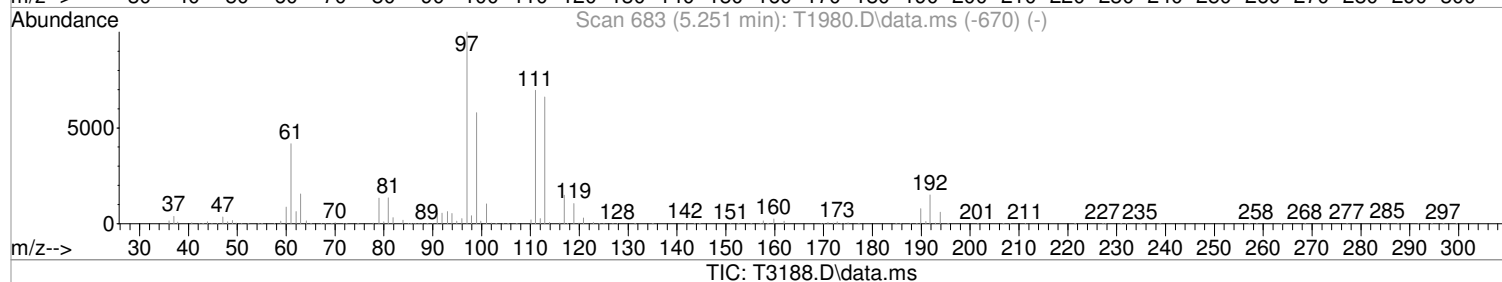
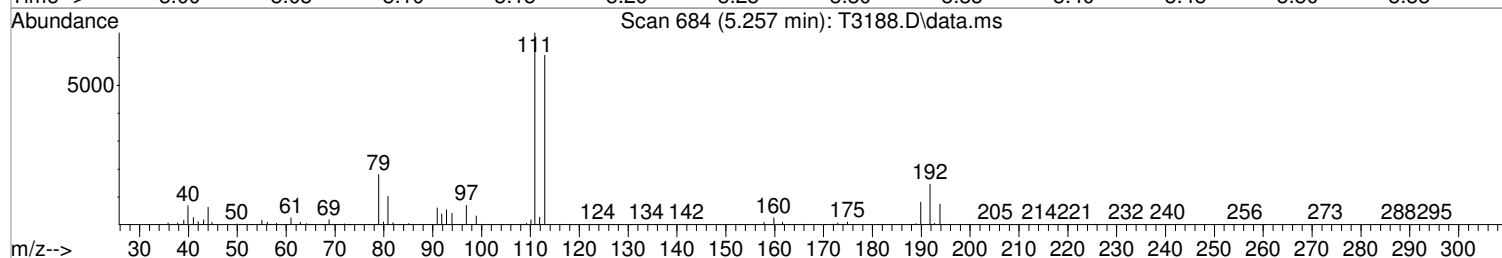
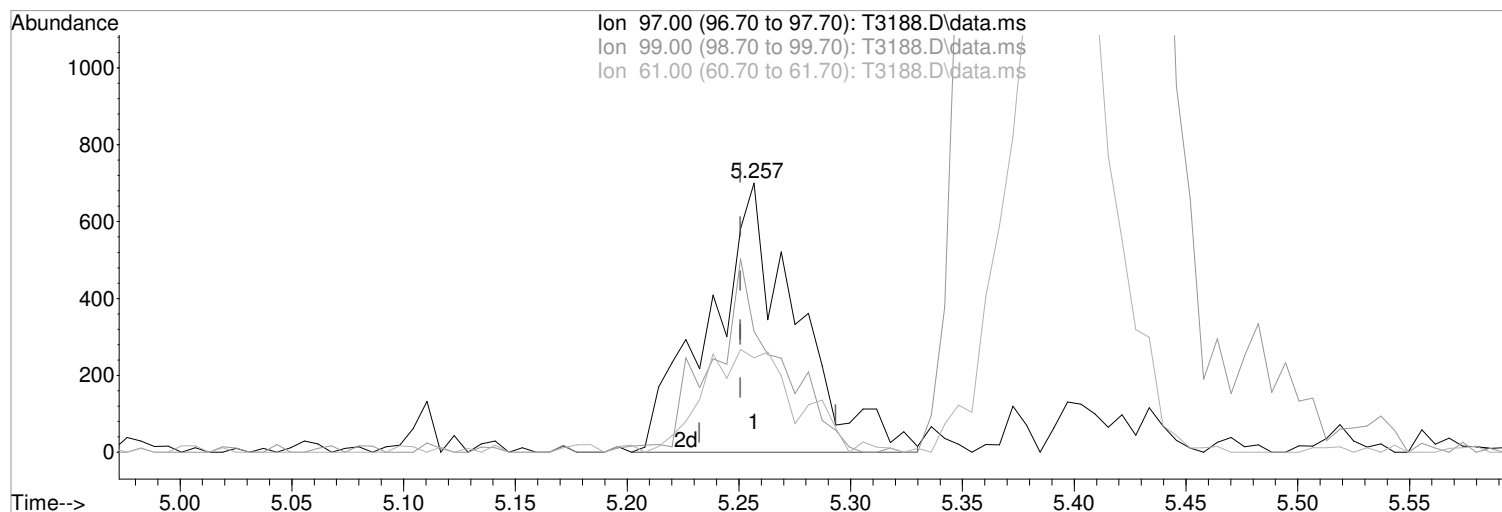
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



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

5.257min (+0.006) 0.63 ug/L m

response 1890

Ion	Exp%	Act%
97.00	100	100
99.00	58.00	45.00
61.00	41.80	35.14
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

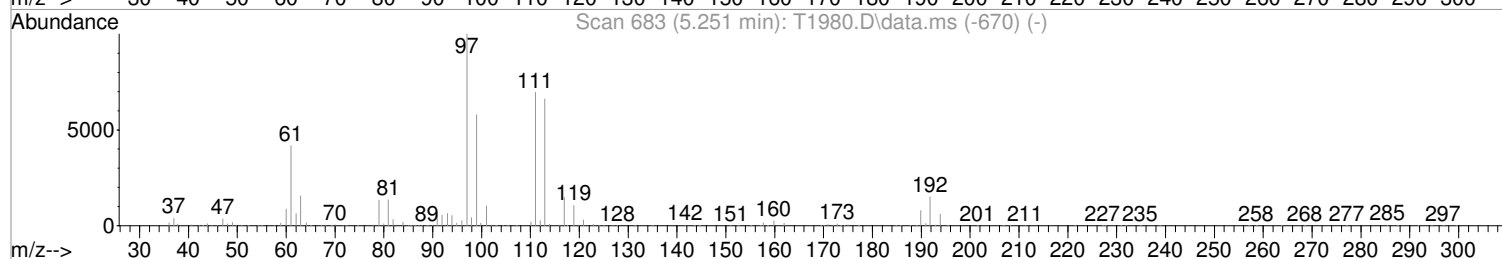
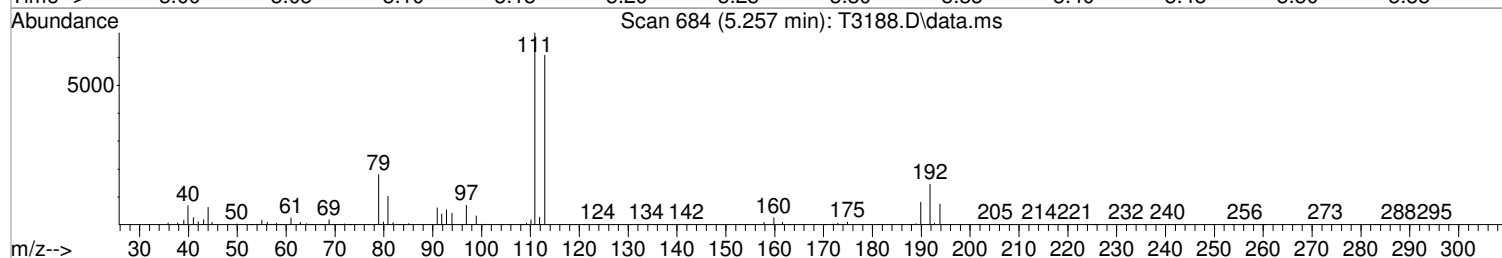
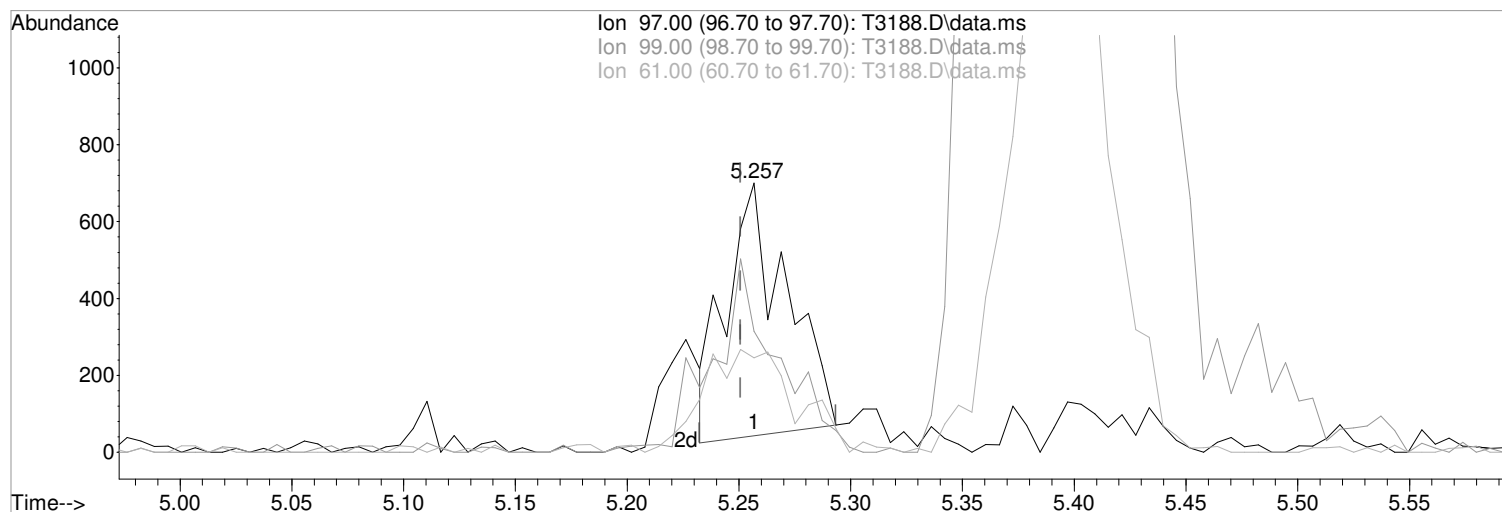
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

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

Manual Integration:

5.257min (+0.006) 0.41 ug/L

Before

response 1233

Ion	Exp%	Act%
97.00	100	100
99.00	58.00	45.00
61.00	41.80	35.14
0.00	0.00	0.00

11/18/20

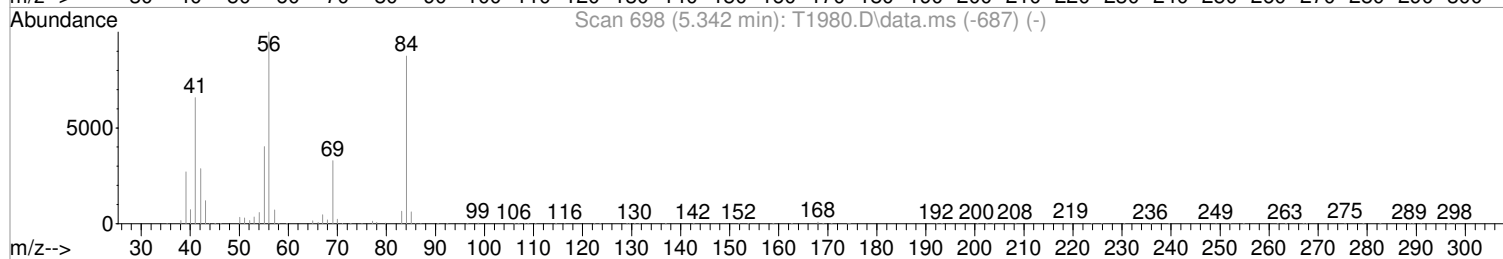
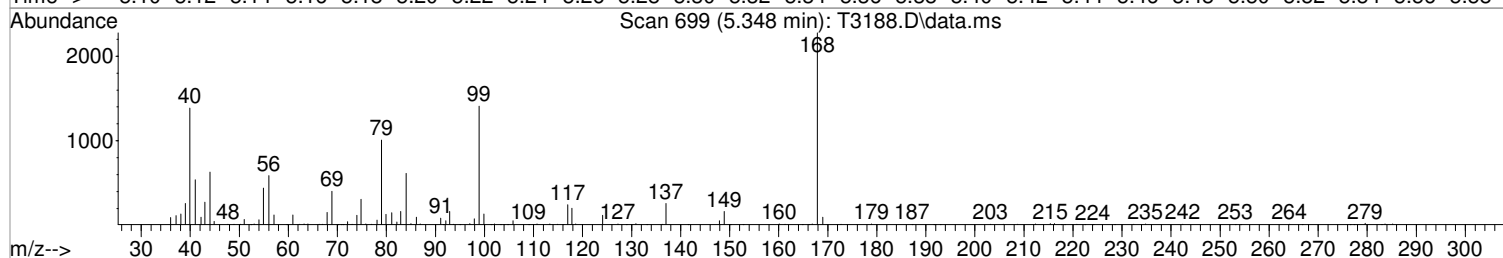
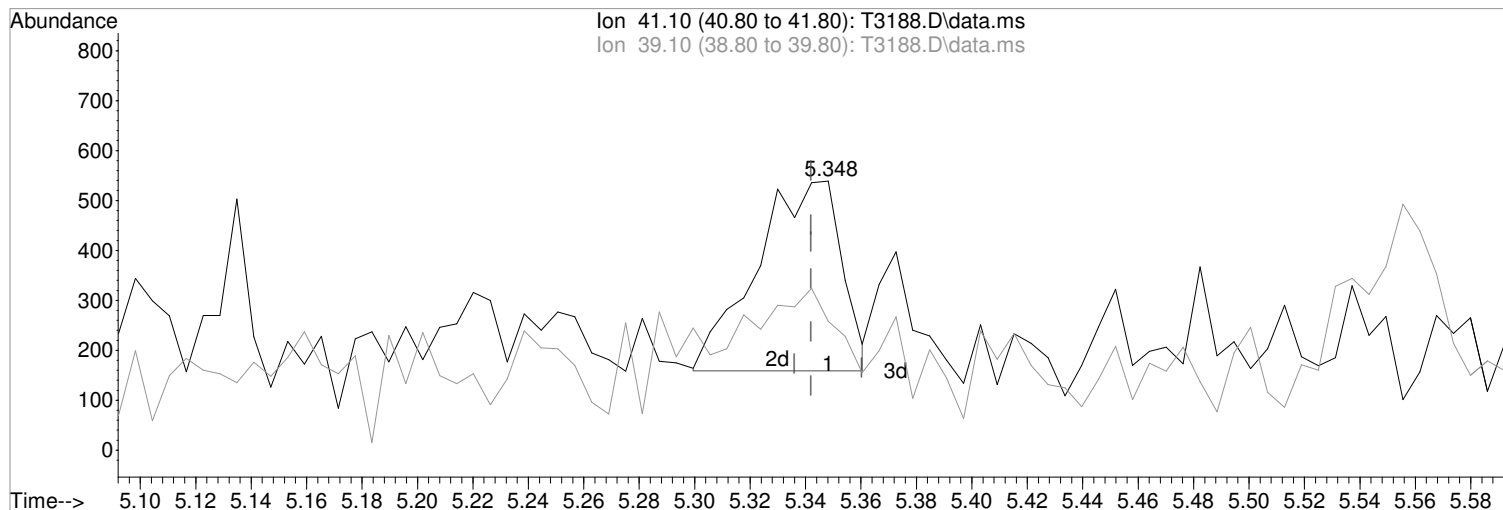
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(42) Cyclohexane (P)

5.348min (+0.006) 0.44 ug/L m

response 812

Ion	Exp%	Act%
41.10	100	100
39.10	41.90	47.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

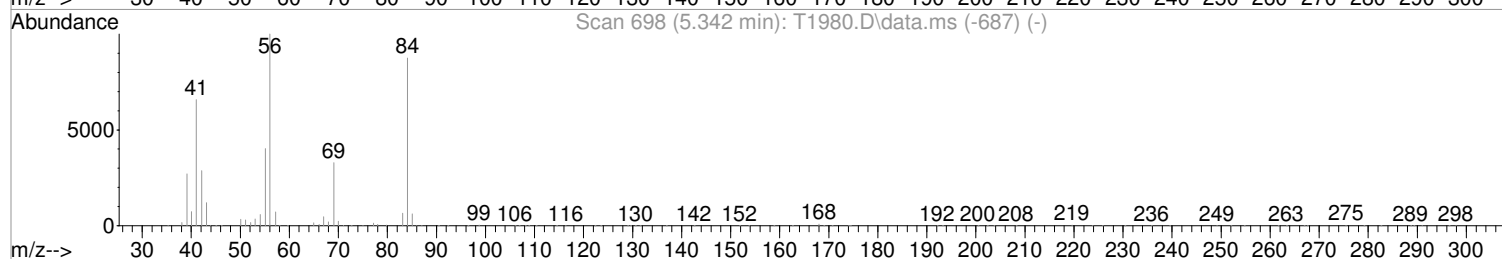
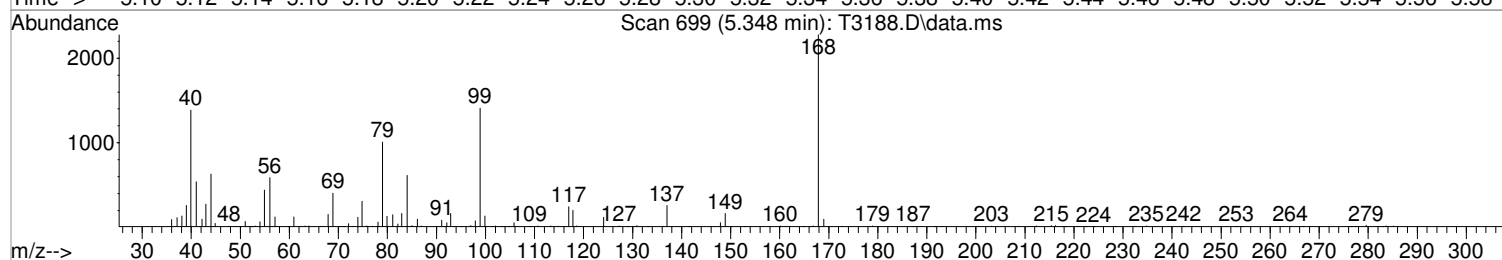
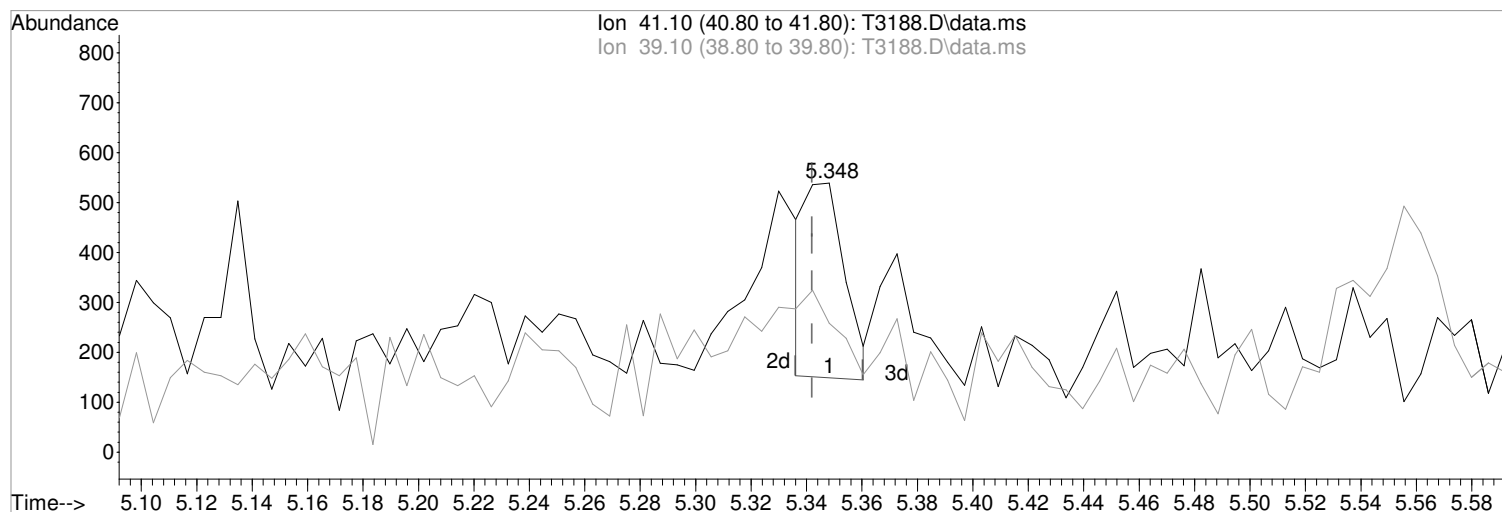
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(42) Cyclohexane (P)

Manual Integration:

5.348min (+0.006) 0.21 ug/L

Before

response 377

Ion	Exp%	Act%
41.10	100	100
39.10	41.90	47.87
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

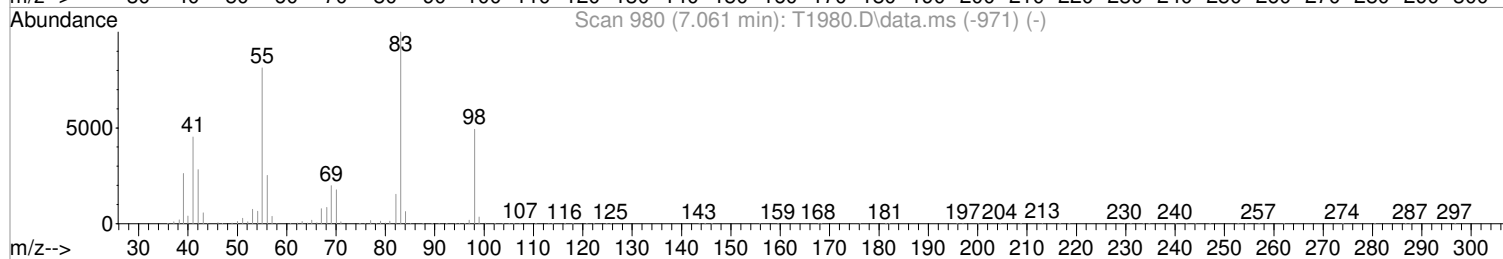
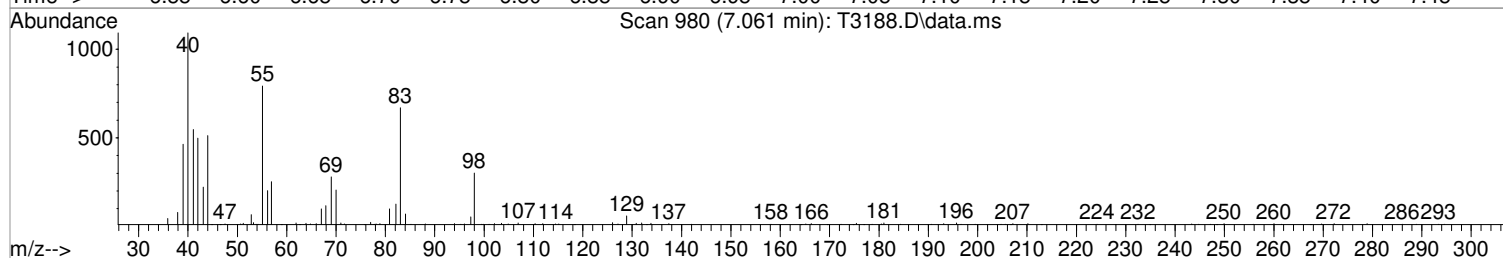
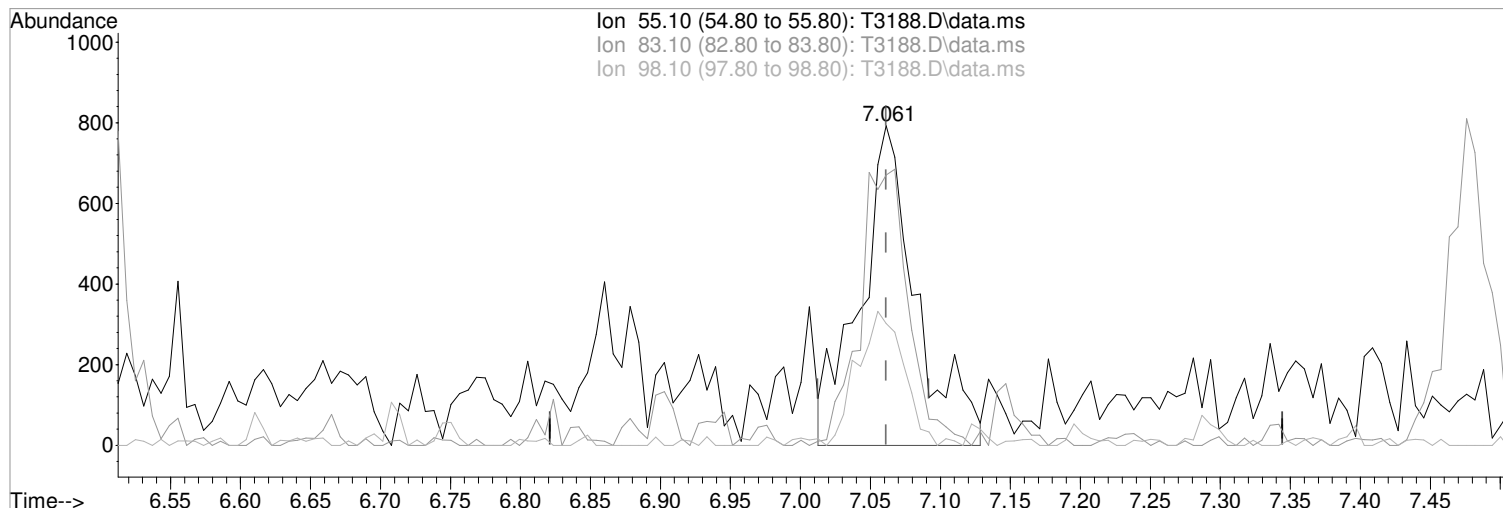
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



(54) Methylcyclohexane (P)

7.061min (-0.000) 0.98 ug/L m

response 2216

Ion	Exp%	Act%
55.10	100	100
83.10	122.50	84.49#
98.10	60.50	38.08#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

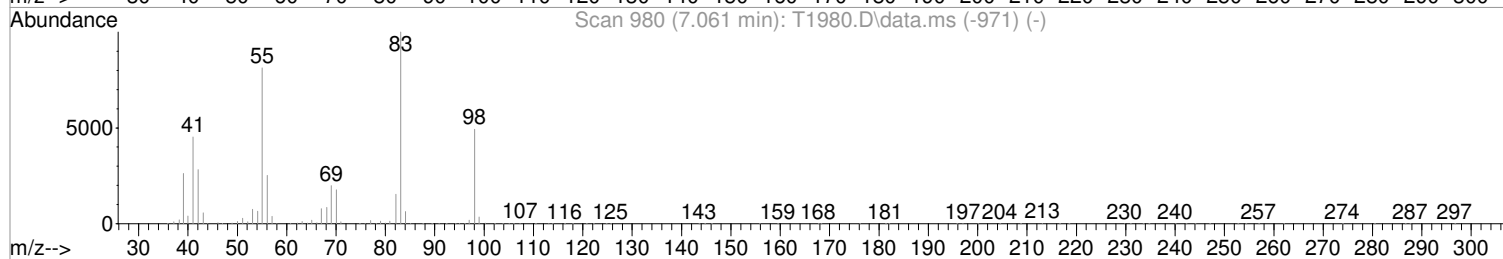
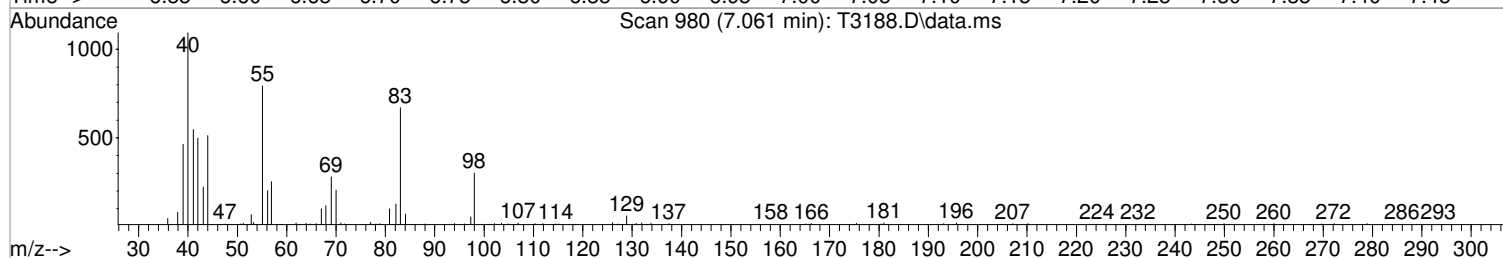
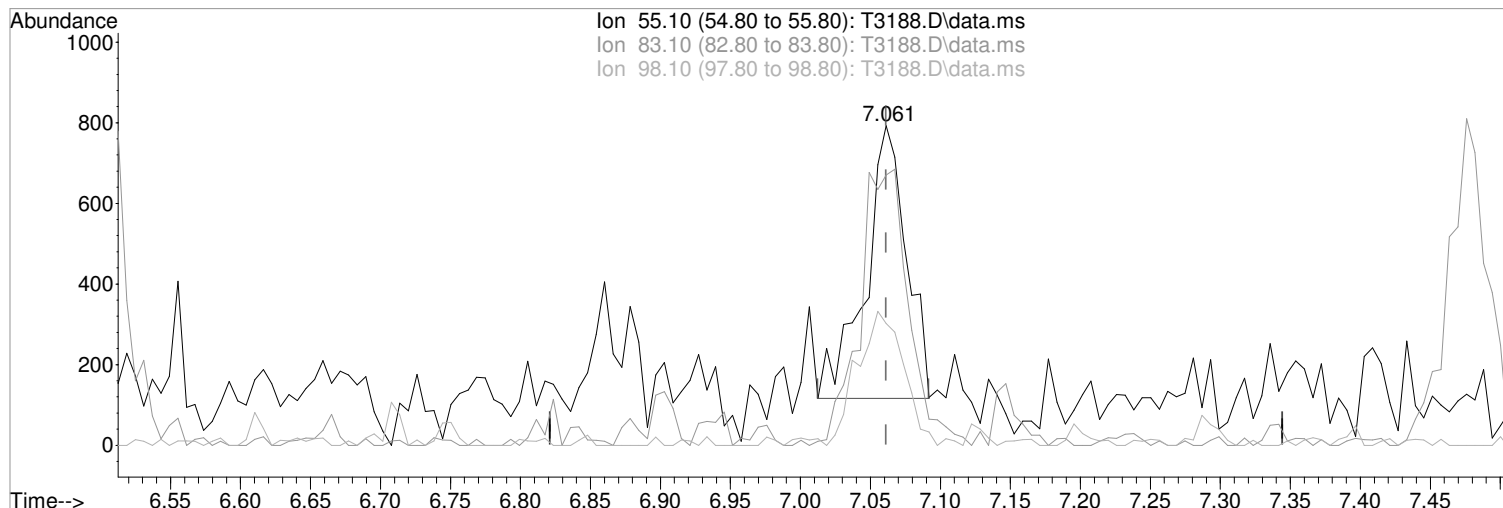
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



(54) Methylcyclohexane (P)

Manual Integration:

7.061min (-0.000) 0.61 ug/L

Before

response 1380

Ion Exp% Act%

11/18/20

55.10 100 100

83.10 122.50 84.49#

98.10 60.50 38.08#

0.00 0.00 0.00

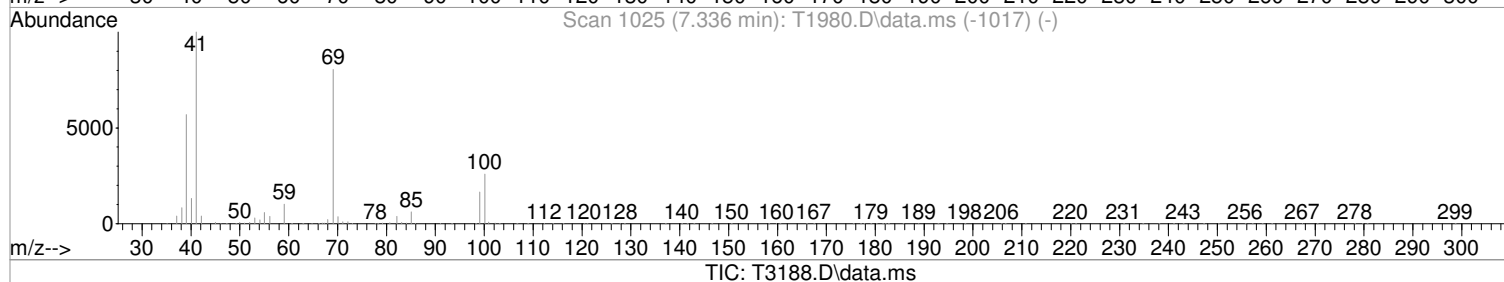
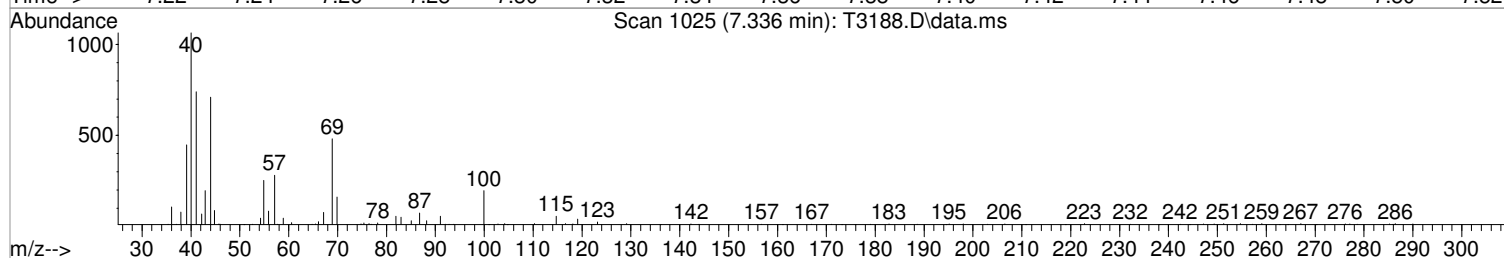
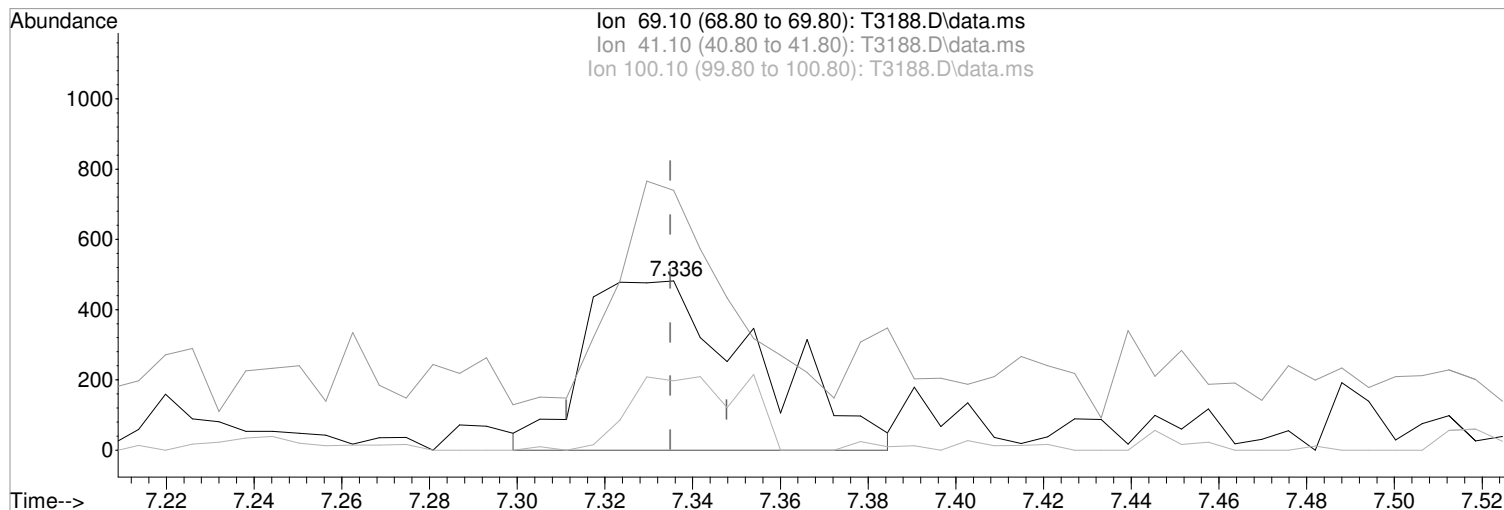
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



(58) Methyl Methacrylate

7.336min (+0.001) 0.78 ug/L m

response 1328

Ion	Exp%	Act%
69.10	100	100
41.10	125.70	153.53#
100.10	32.50	40.87
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

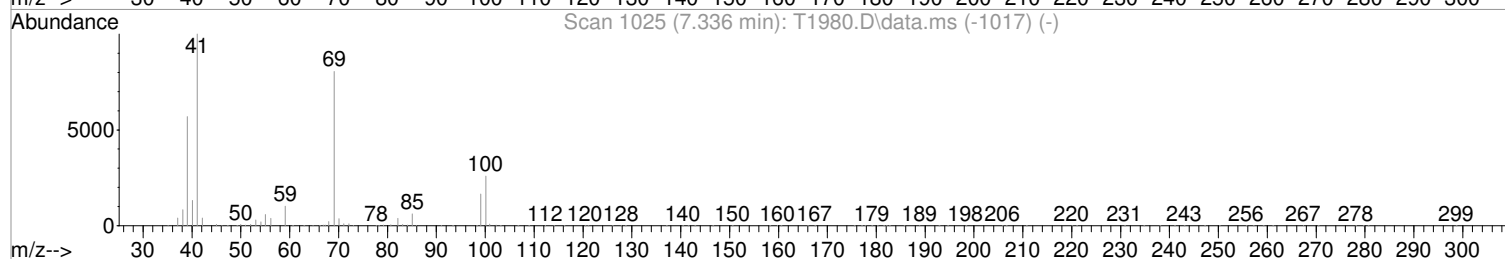
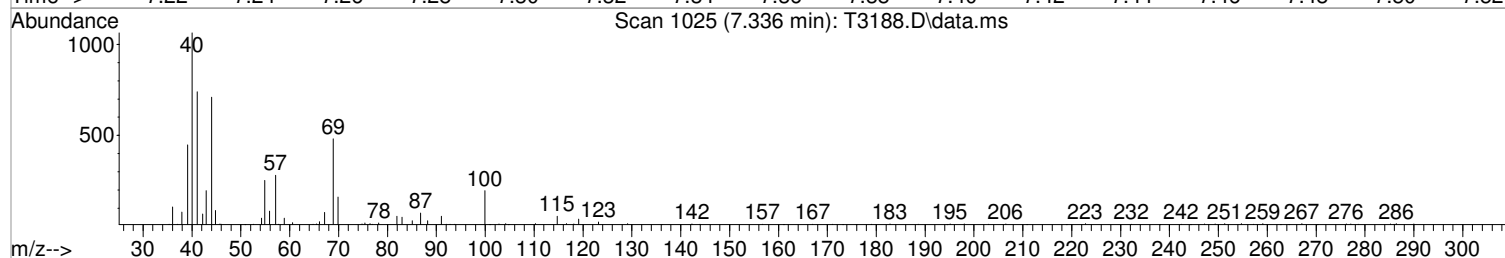
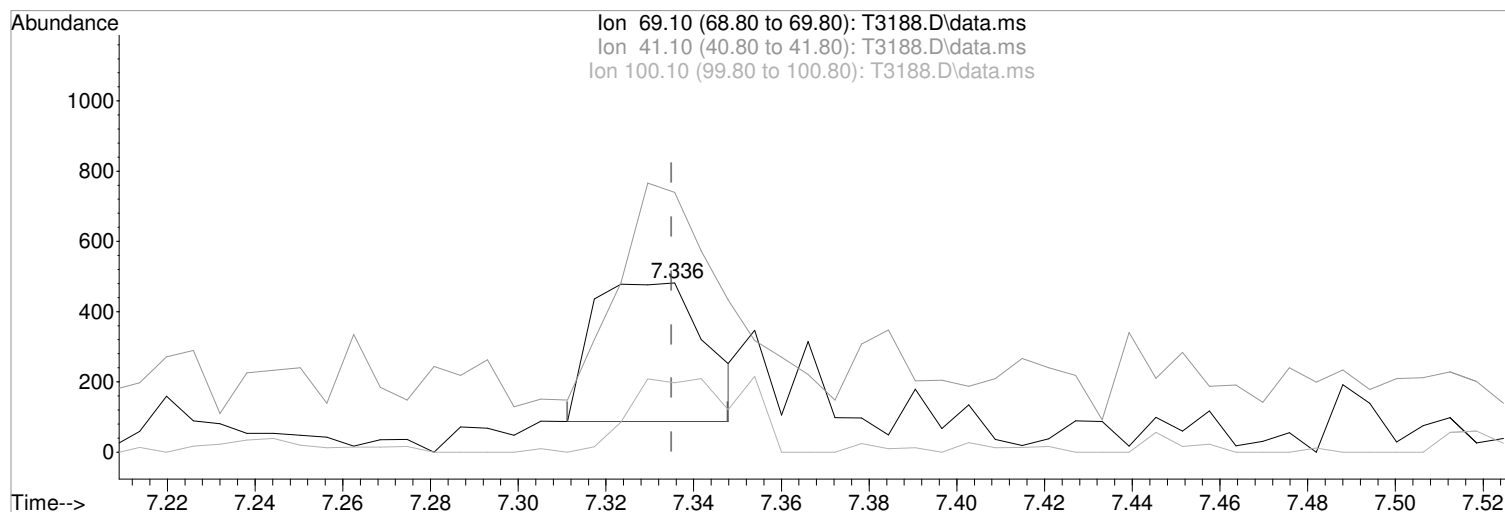
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(58) Methyl Methacrylate

Manual Integration:

7.336min (+0.001) 0.41 ug/L

Before

response 703

Ion	Exp%	Act%
69.10	100	100
41.10	125.70	153.53#
100.10	32.50	40.87
0.00	0.00	0.00

11/18/20

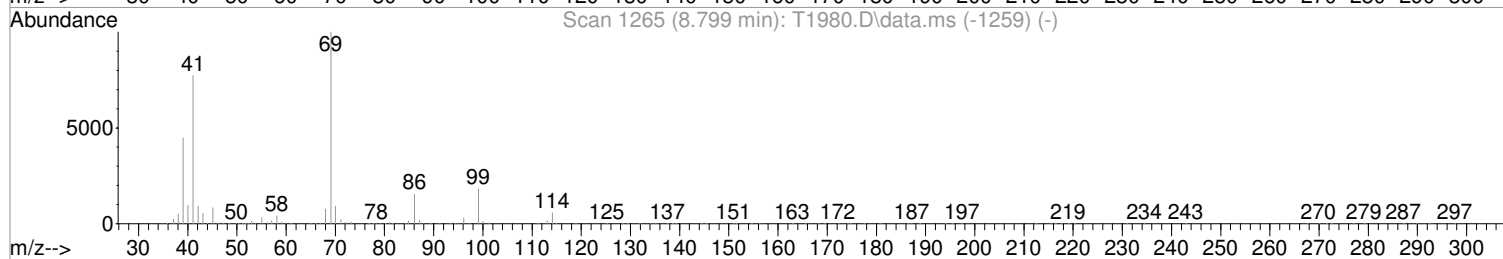
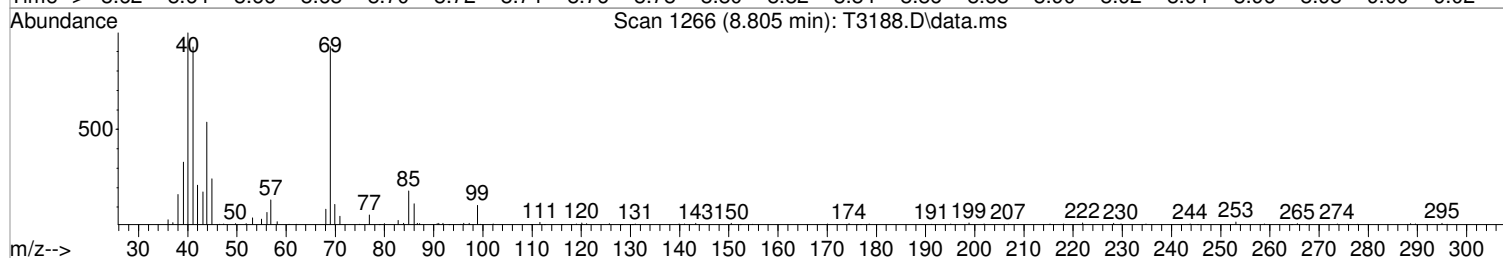
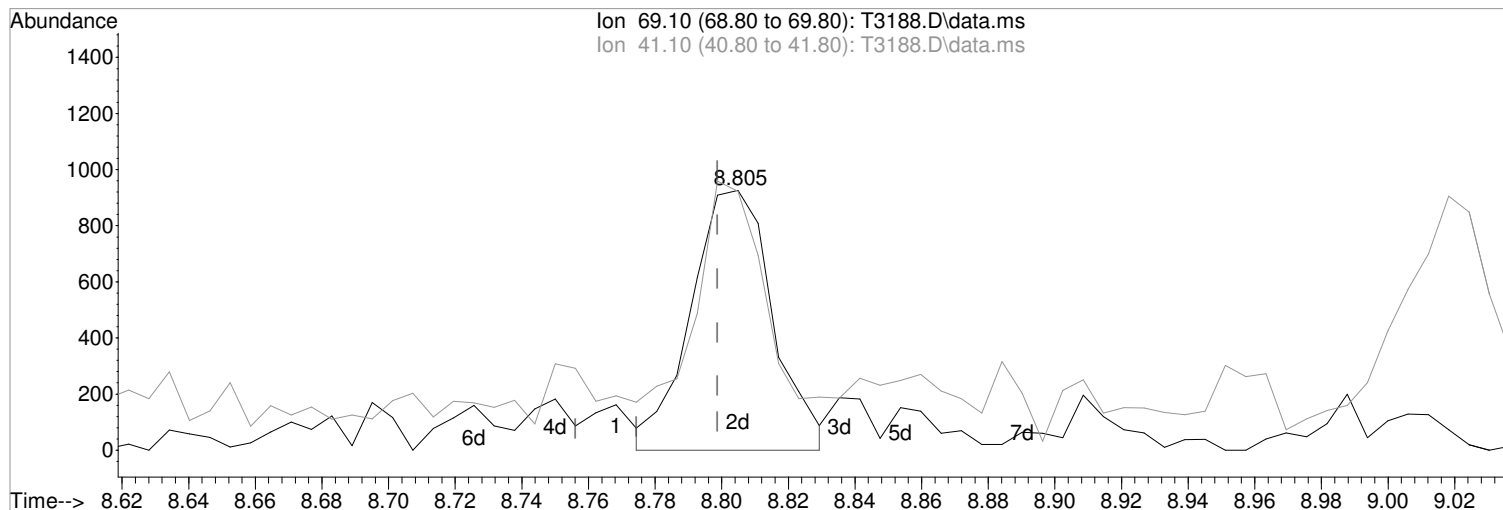
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(67) Ethyl Methacrylate

8.805min (+0.006) 0.55 ug/L m

response 1570

Ion	Exp%	Act%
69.10	100	100
41.10	77.80	99.68#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

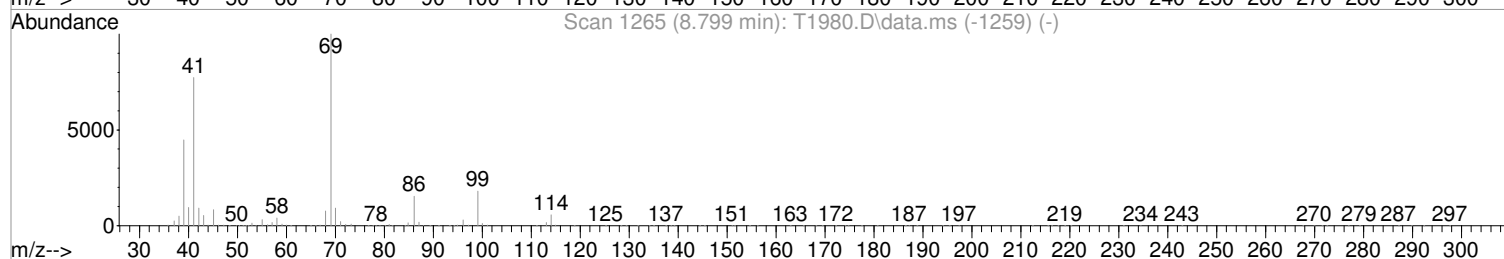
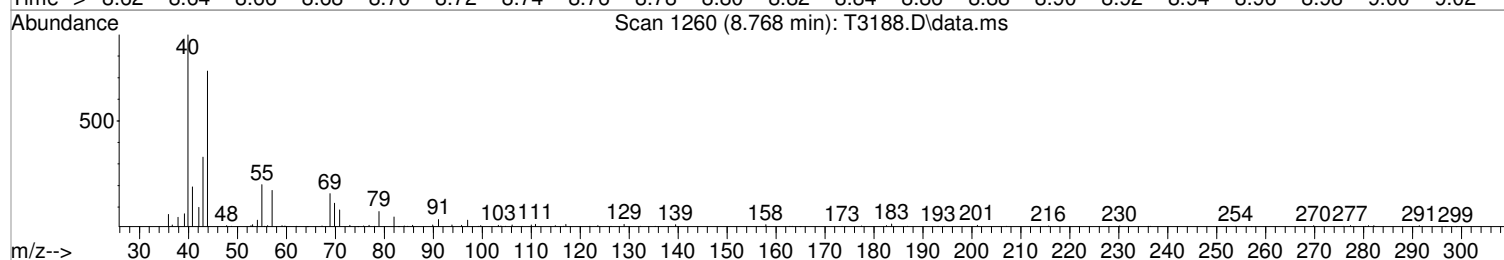
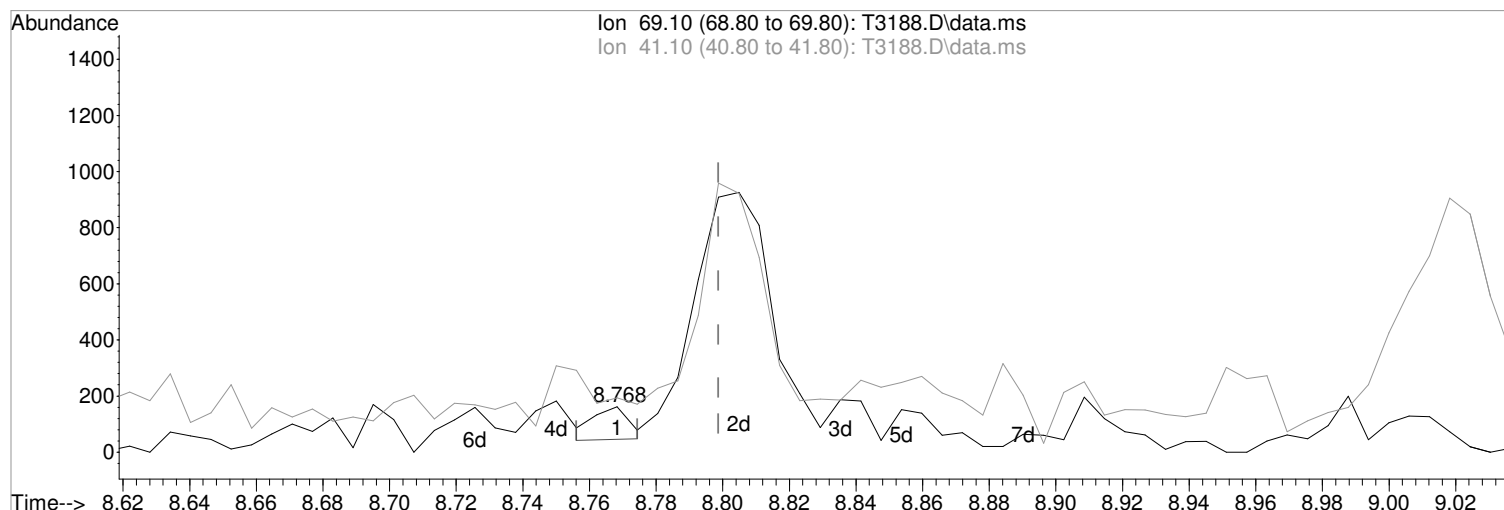
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

(67) Ethyl Methacrylate

Manual Integration:

8.768min (-0.031) 0.03 ug/L

Before

response 87

Ion	Exp%	Act%
69.10	100	100
41.10	77.80	69.04
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

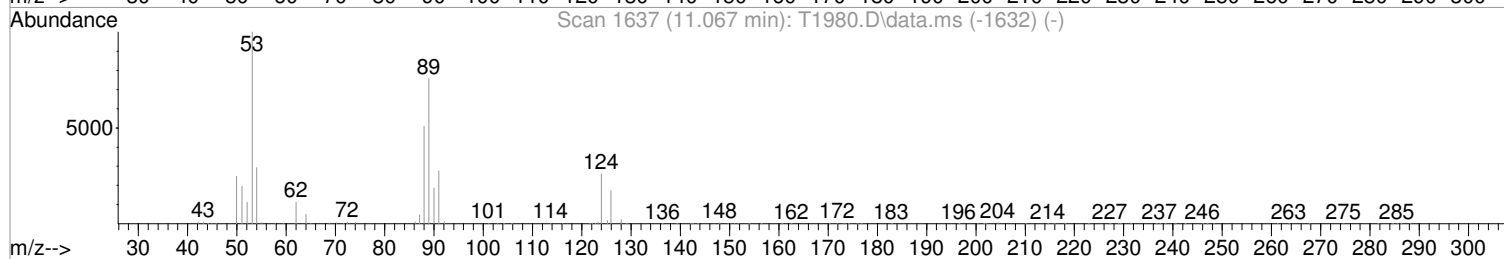
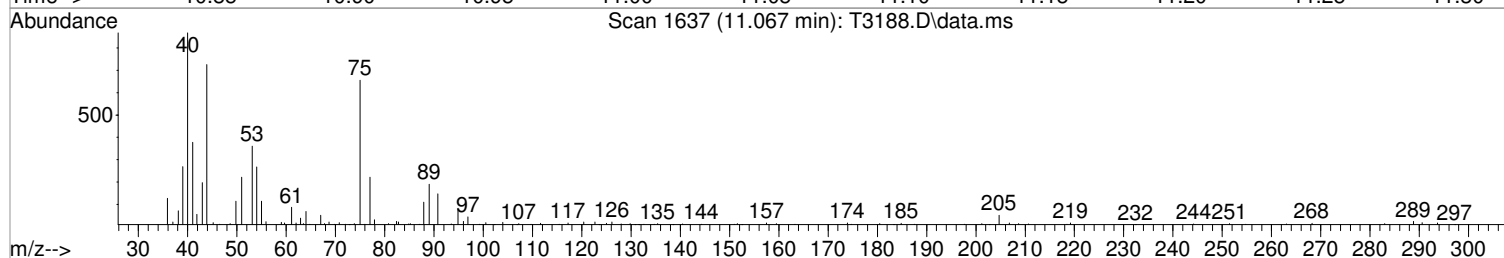
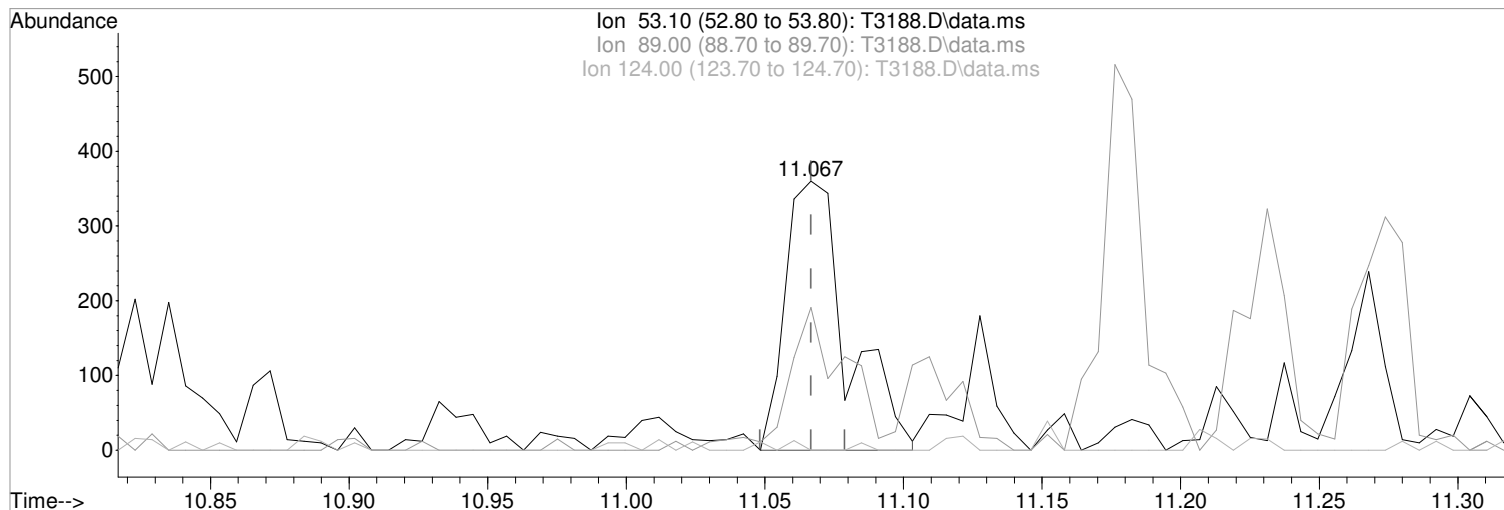
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3188.D\data.ms

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

11.067min (-0.000) 0.79 ug/L m

response 560

Ion	Exp%	Act%
53.10	100	100
89.00	75.40	53.06#
124.00	26.00	0.00#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

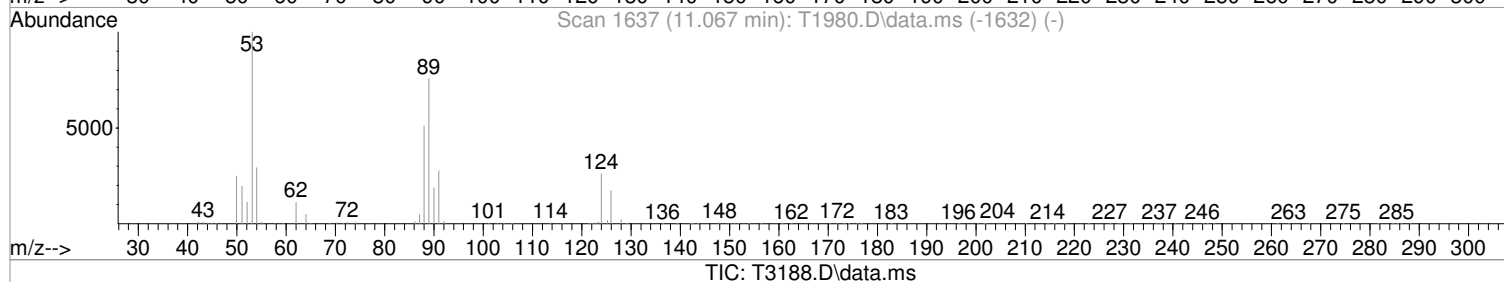
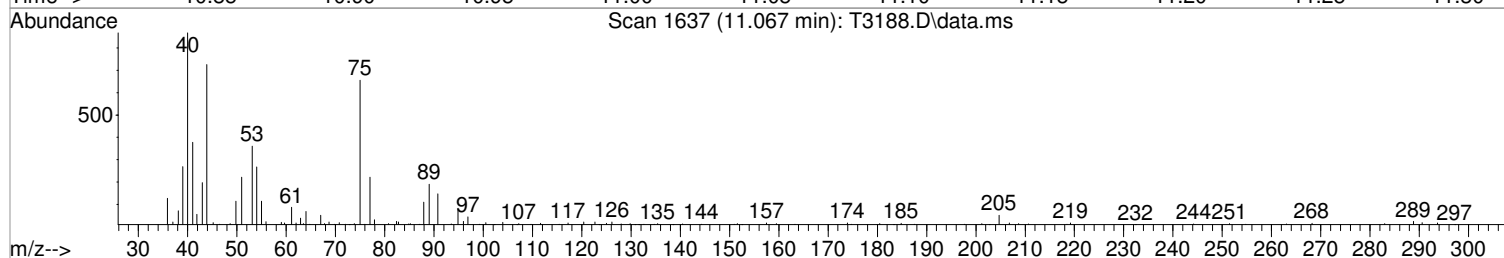
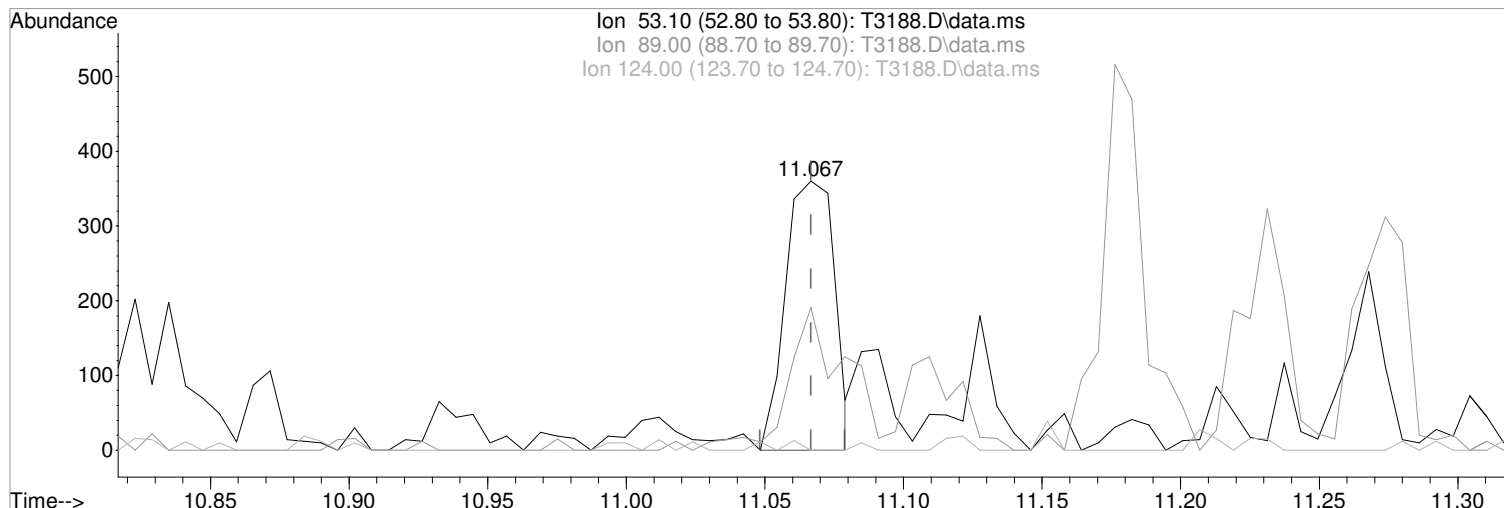
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 17 15:38:10 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



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

Manual Integration:

11.067min (-0.000) 0.62 ug/L

Before

response 441

Ion Exp% Act%

11/18/20

53.10 100 100

89.00 75.40 53.06#

124.00 26.00 0.00#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3188.D
 Acq On : 15 Nov 2020 12:56 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:12:28 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	206916	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	306477	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	278047	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	141612	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	20866	11.21	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	22.42%#	
46) surr1,1,2-dichloroetha...	5.787	65	27321	12.36	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	24.72%#	
64) SURR3,Toluene-d8	8.317	98	81409	11.38	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	22.76%#	
69) SURR2,BFB	10.884	95	30783	10.92	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	21.84%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	1455	0.76	ug/L	92
3) Chloromethane	1.282	50	1983	0.74	ug/L	88
4) Vinyl Chloride	1.355	62	1602	0.65	ug/L	79
5) Bromomethane	1.587	94	1974	1.01	ug/L	93
6) Chloroethane	1.666	64	1057	0.77	ug/L #	70
7) Freon 21	1.812	67	1897	0.54	ug/L	72
8) Trichlorofluoromethane	1.867	101	1398	0.46	ug/L	95
9) Diethyl Ether	2.099	59	1014	0.49	ug/L #	66
10) Freon 123a	2.099	67	1272	0.54	ug/L	83
11) Freon 123	2.148	83	1417	0.57	ug/L	95
12) Acrolein	2.196	56	1388	2.48	ug/L	79
13) 1,1-Dicethene	2.288	96	810	0.53	ug/L	99
14) Freon 113	2.288	101	1035	0.55	ug/L #	51
15) Acetone	2.343	43	1927	1.90	ug/L	93
16) 2-Propanol	2.465	45	2303	10.74	ug/L	78
17) Iodomethane	2.416	142	932	0.37	ug/L	86
18) Carbon Disulfide	2.477	76	2495	0.49	ug/L	86
19) Acetonitrile	2.587	41	942	2.48	ug/L #	1
20) Allyl Chloride	2.617	76	602	0.53	ug/L	92
21) Methyl Acetate	2.641	43	1545	0.66	ug/L	67
22) Methylene Chloride	2.745	84	1284	0.65	ug/L #	63
23) TBA	2.867	59	4024	11.22	ug/L	71
24) Acrylonitrile	3.001	53	2887m	2.61	ug/L	
25) Methyl-t-Butyl Ether	3.050	73	3261	0.52	ug/L	93
26) trans-1,2-Dichloroethene	3.032	96	868	0.53	ug/L #	76
27) 1,1-Dicethane	3.531	63	1811	0.50	ug/L	84
28) Vinyl Acetate	3.635	86	97m	0.25	ug/L	
29) DIPE	3.666	45	3474	0.49	ug/L #	69
30) 2-Chloro-1,3-Butadiene	3.653	53	1454	0.48	ug/L	86
31) ETBE	4.184	59	3359	0.55	ug/L	77
32) 2,2-Dichloropropane	4.373	77	1507	0.52	ug/L #	77
33) cis-1,2-Dichloroethene	4.373	96	1082m	0.51	ug/L	
35) Propionitrile	4.513	54	1149	2.53	ug/L	88
36) Bromochloromethane	4.775	130	814m	0.59	ug/L	
37) Methacrylonitrile	4.781	67	823m	0.76	ug/L	
38) Tetrahydrofuran	4.879	42	6952	2.56	ug/L	90
39) Chloroform	4.952	83	1731m	0.55	ug/L	
40) 1,1,1-Trichloroethane	5.257	97	1890m	0.63	ug/L	
42) Cyclohexane	5.348	41	812m	0.44	ug/L	

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3188.D
 Acq On : 15 Nov 2020 12:56 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:12:28 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Carbontetrachloride	5.555	117	1235	0.55	ug/L #	83
45) 1,1-Dichloropropene	5.543	75	1389	0.57	ug/L	86
47) Benzene	5.866	78	3964	0.54	ug/L	84
48) 1,2-Dichloroethane	5.915	62	1485	0.55	ug/L	92
50) TAME	6.110	73	3224	0.58	ug/L	88
51) n-Heptane	6.366	43	1410	0.55	ug/L	85
52) 1-Butanol	6.866	56	3250	40.07	ug/L	100
53) Trichloroethene	6.830	130	889	0.47	ug/L #	75
54) Methylcyclohexane	7.061	55	2216m	0.98	ug/L	
55) 1,2-Dichloropropane	7.104	63	1099	0.52	ug/L	78
56) Dibromomethane	7.244	93	764	0.55	ug/L	86
57) 1,4-Dioxane	7.317	88	293	7.58	ug/L	77
58) Methyl Methacrylate	7.336	69	1328m	0.78	ug/L	
59) Bromodichloromethane	7.476	83	1540	0.58	ug/L	96
60) 2-Nitropropane	7.756	41	1020	1.55	ug/L	86
61) 2-Chloroethylvinyl Ether	7.878	63	689	0.72	ug/L	65
62) cis-1,3-Dichloropropene	8.025	75	1620	0.52	ug/L	89
63) 4-Methyl-2-pentanone	8.226	43	1988	0.70	ug/L	96
65) Toluene	8.396	91	3906	0.54	ug/L	97
66) trans-1,3-Dichloropropene	8.652	75	1386	0.46	ug/L	80
67) Ethyl Methacrylate	8.805	69	1570m	0.55	ug/L	
68) 1,1,2-Trichloroethane	8.848	97	1080	0.57	ug/L	83
71) Tetrachloroethene	8.982	164	868	0.59	ug/L #	73
73) 1,3-Dichloropropane	9.018	76	1526	0.50	ug/L	84
74) Dibromochloromethane	9.238	129	898	0.50	ug/L #	74
75) N-Butyl Acetate	9.299	43	2059	0.53	ug/L	90
76) 1,2-Dibromoethane	9.341	107	893	0.45	ug/L	86
77) 3-Chlorobenzotrifluoride	9.853	180	1306	0.49	ug/L	91
78) Chlorobenzene	9.835	112	2633	0.53	ug/L	96
79) 4-Chlorobenzotrifluoride	9.908	180	1273	0.57	ug/L	94
80) 1,1,1,2-Tetrachloroethane	9.920	131	938	0.52	ug/L	91
81) Ethylbenzene	9.963	106	1214	0.47	ug/L #	51
82) (m+p)Xylene	10.067	106	3087	0.97	ug/L #	83
83) o-Xylene	10.426	106	1643	0.50	ug/L #	69
84) Styrene	10.439	104	2662	0.50	ug/L	95
85) Bromoform	10.585	173	662	0.43	ug/L	98
86) 2-Chlorobenzotrifluoride	10.670	180	1716	0.67	ug/L	94
87) Isopropylbenzene	10.762	105	4165	0.52	ug/L	97
88) Cyclohexanone	10.823	55	4812	11.87	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.067	53	560m	0.79	ug/L	
91) 1,1,2,2-Tetrachloroethane	11.018	83	1384	0.54	ug/L #	68
92) Bromobenzene	11.006	156	1326	0.61	ug/L #	87
93) 1,2,3-Trichloropropane	11.054	110	332	0.48	ug/L #	89
94) n-Propylbenzene	11.115	91	4917	0.62	ug/L	99
95) 2-Chlorotoluene	11.176	91	3051	0.60	ug/L	91
96) 3-Chlorotoluene	11.231	91	3182	0.56	ug/L	93
97) 4-Chlorotoluene	11.274	91	3309	0.53	ug/L	93
98) 1,3,5-Trimethylbenzene	11.268	105	3748	0.61	ug/L	90
99) tert-Butylbenzene	11.542	119	2611	0.49	ug/L	94
100) 1,2,4-Trimethylbenzene	11.585	105	3653	0.65	ug/L	78
101) 3,4-Dichlorobenzotrifl...	11.640	214	1000	0.48	ug/L #	76
102) sec-Butylbenzene	11.719	105	4226	0.55	ug/L	85
103) p-Isopropyltoluene	11.847	119	3105	0.53	ug/L	86
104) 1,3-Dichlorobenz	11.804	146	2245	0.63	ug/L	93
105) 1,4-Dichlorobenz	11.877	146	2285	0.61	ug/L	95
106) 2,4-Dichlorobenzotrifl...	11.926	214	868	0.48	ug/L #	72

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3188.D
Acq On : 15 Nov 2020 12:56 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:12:28 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 2,5-Dichlorobenzotrifl...	11.969	214	1155	0.55	ug/L	76
108) n-Butylbenzene	12.176	91	3130	0.58	ug/L	96
109) 1,2-Dclbenz	12.176	146	2190	0.56	ug/L	89
110) 1,2-Dibromo-3-chloropr...	12.804	157	394	0.59	ug/L #	69
111) Trielution Dichlorotol...	12.914	125	5539	1.74	ug/L	90
112) 1,3,5-Trichlorobenzene	12.975	180	1606	0.57	ug/L	81
113) Coelution Dichlorotoluene	13.243	125	3877	1.10	ug/L	88
114) 1,2,4-Tcbenzene	13.456	180	1591	0.57	ug/L	85
115) Hexachlorobt	13.597	225	701	0.60	ug/L	88
116) Naphthalen	13.645	128	4417	0.63	ug/L	93
117) 1,2,3-Tclbenzene	13.834	180	1923	0.71	ug/L	77
118) 2,4,5-Trichlorotoluene	14.420	159	1172	0.69	ug/L	92
119) 2,3,6-Trichlorotoluene	14.505	159	777m	0.50	ug/L	

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

Quantitation Report

ALS Vial : 2 Sample Multiplier: 1

Response via : Initial Calibration



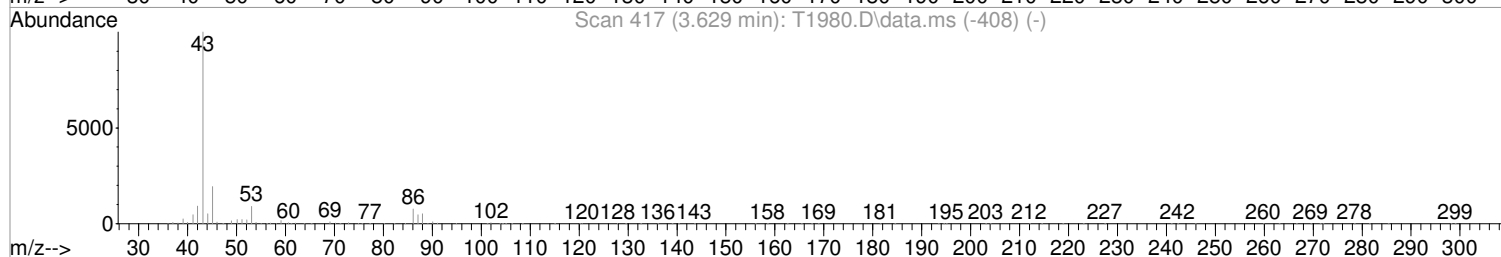
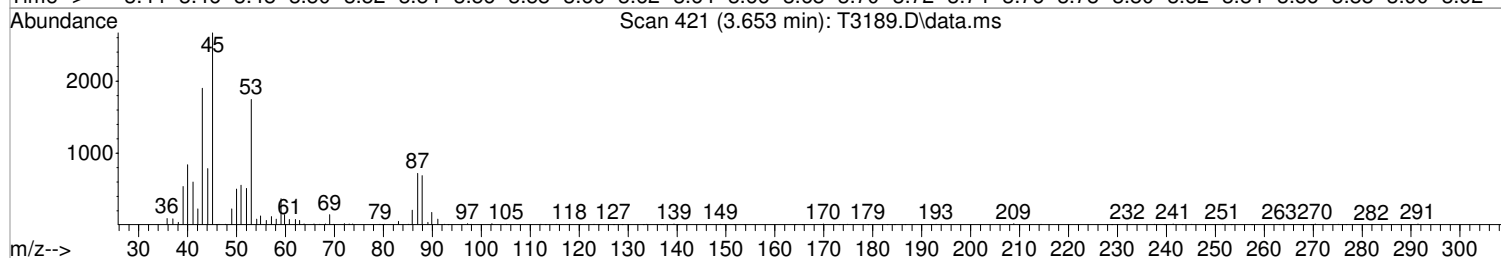
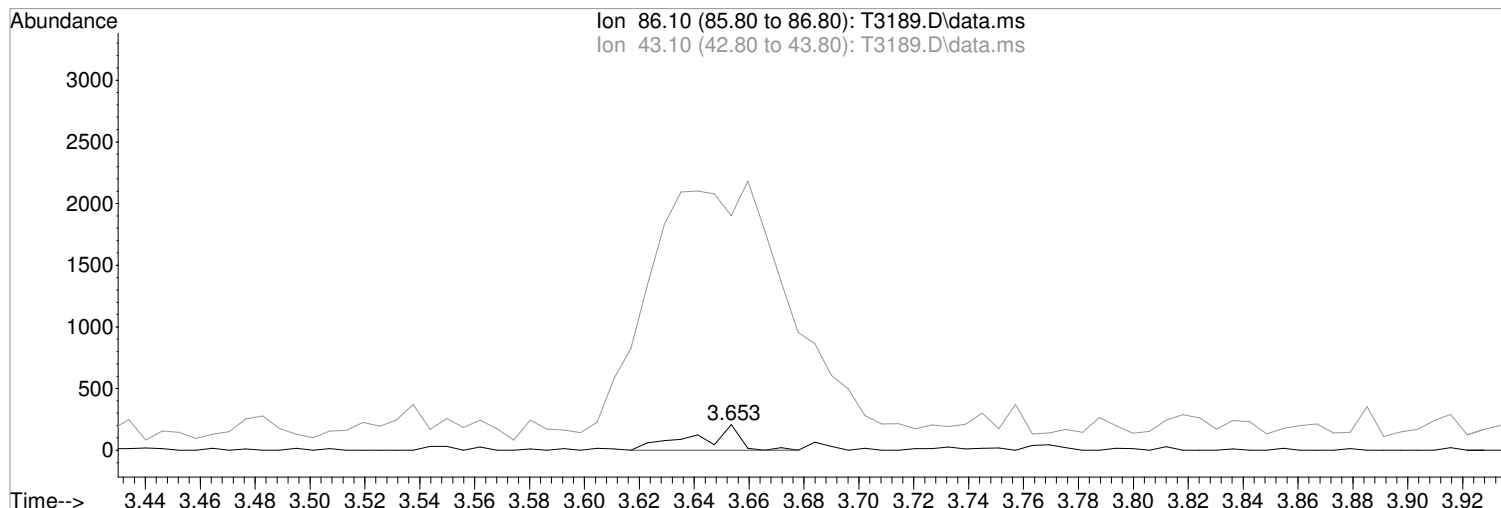
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(28) Vinyl Acetate

3.653min (+0.024) 0.56 ug/L m

response 234

Ion	Exp%	Act%
86.10	100	100
43.10	1317.20	913.94#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

11/18/20

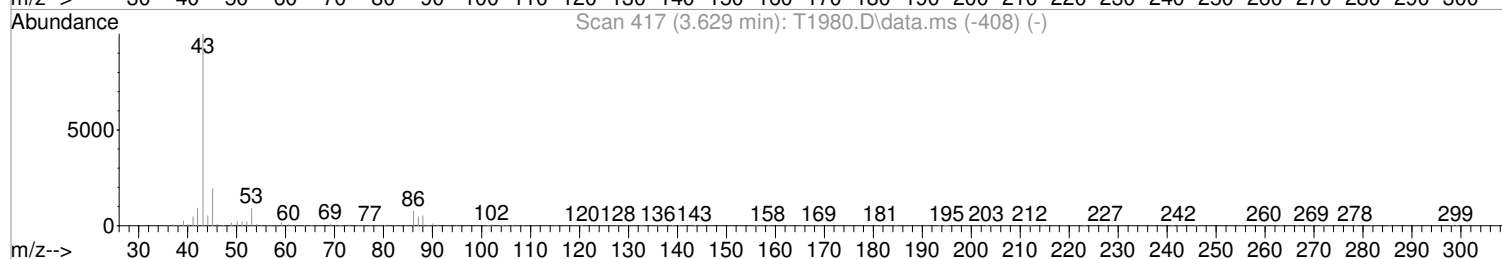
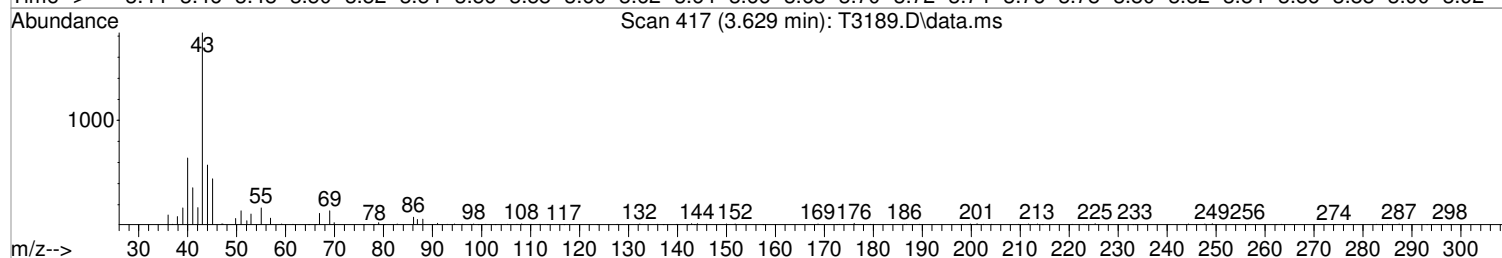
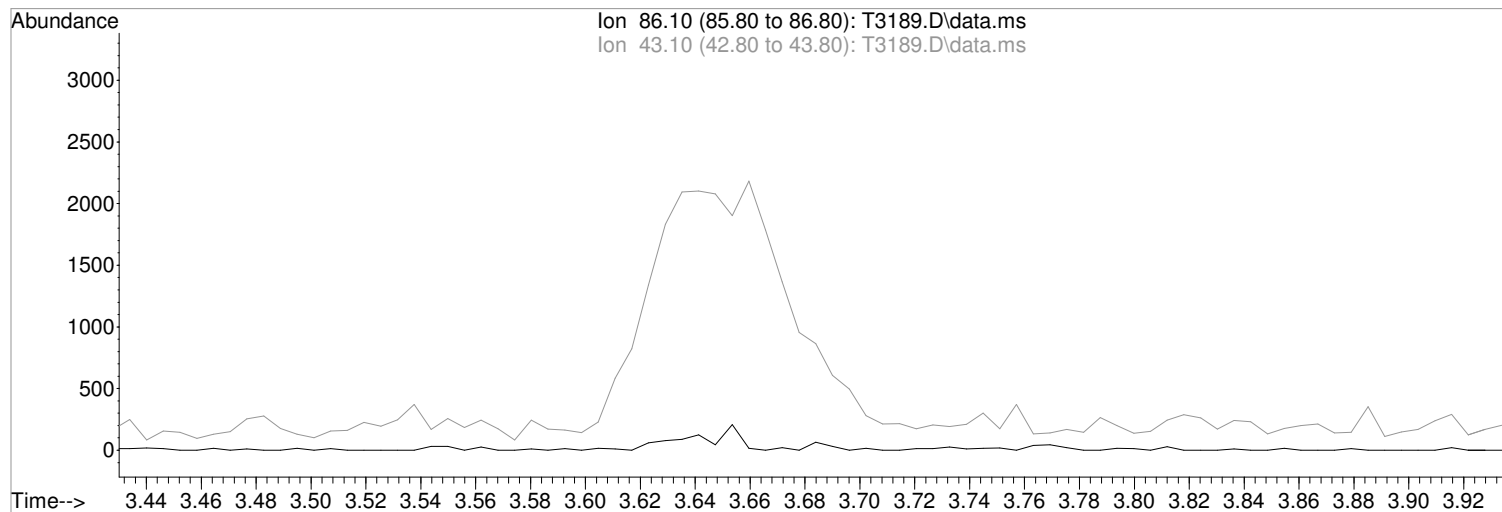
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(28) Vinyl Acetate

Manual Integration:

3.629min (-3.629) 0.00 ug/L

Before

response 0

Ion	Exp%	Act%
86.10	100	0.00
43.10	1317.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

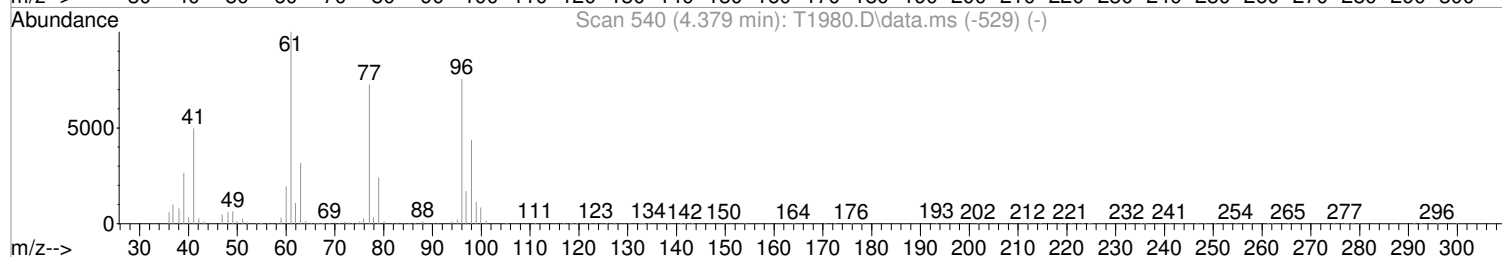
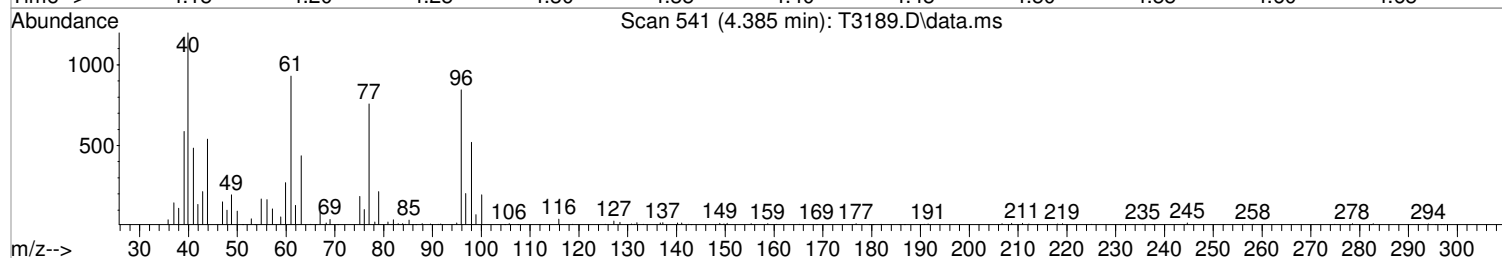
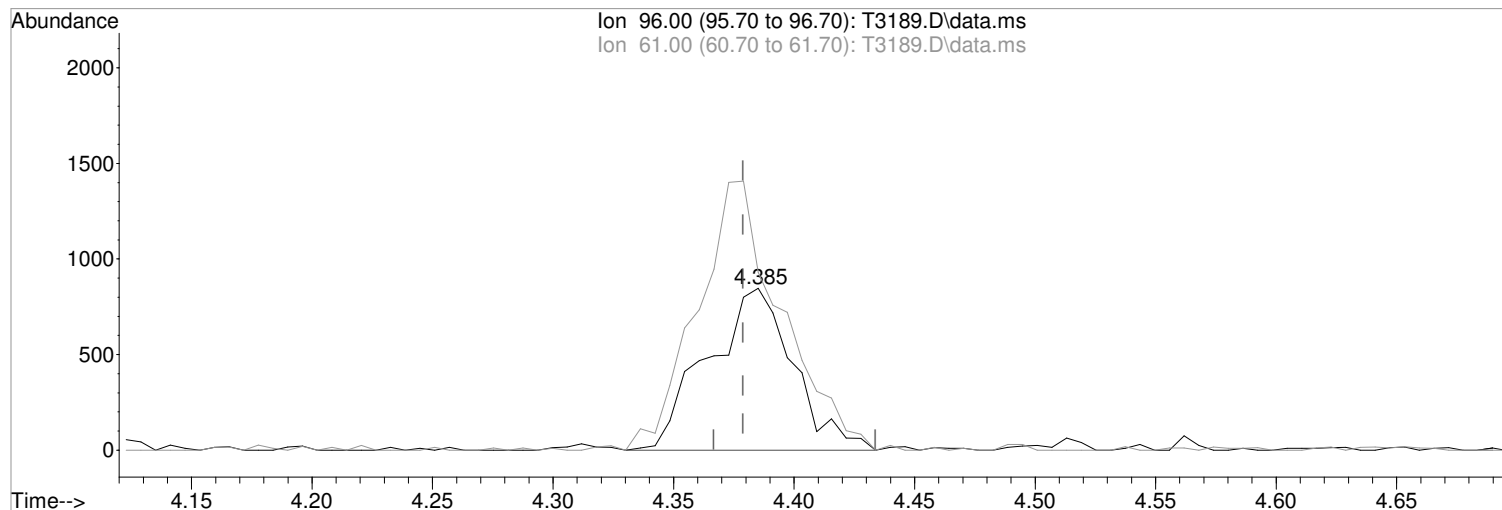
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

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

4.385min (+0.006) 0.92 ug/L m

response 2083

Ion	Exp%	Act%
96.00	100	100
61.00	133.10	109.93#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

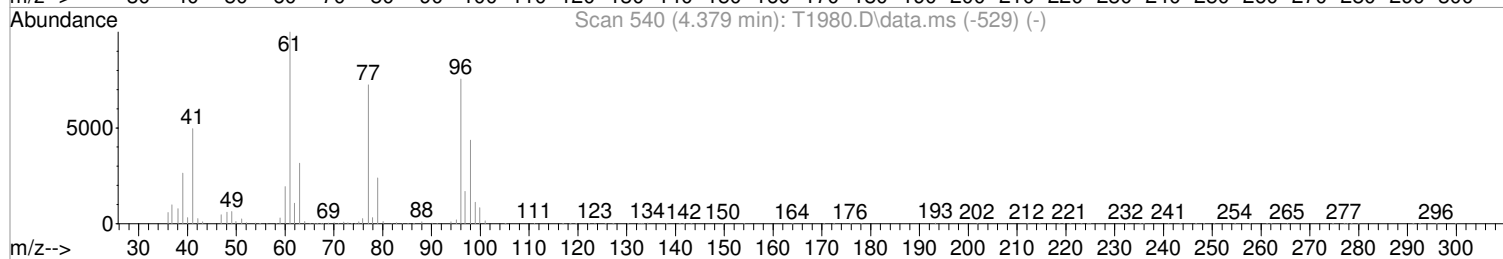
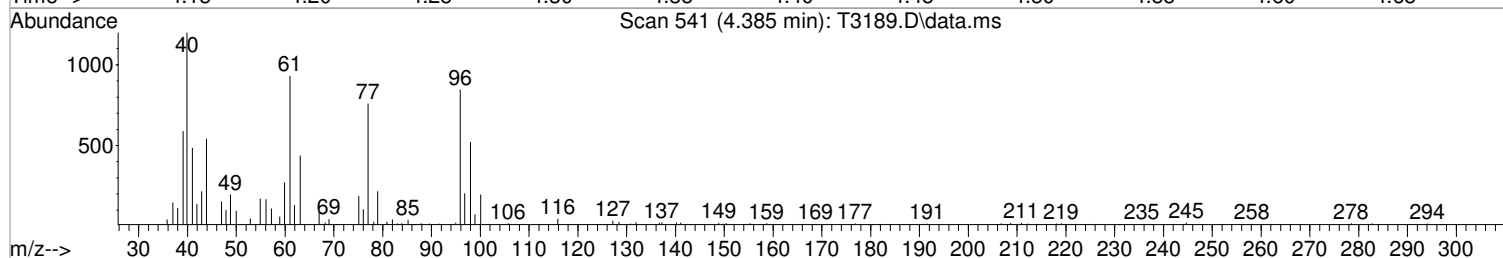
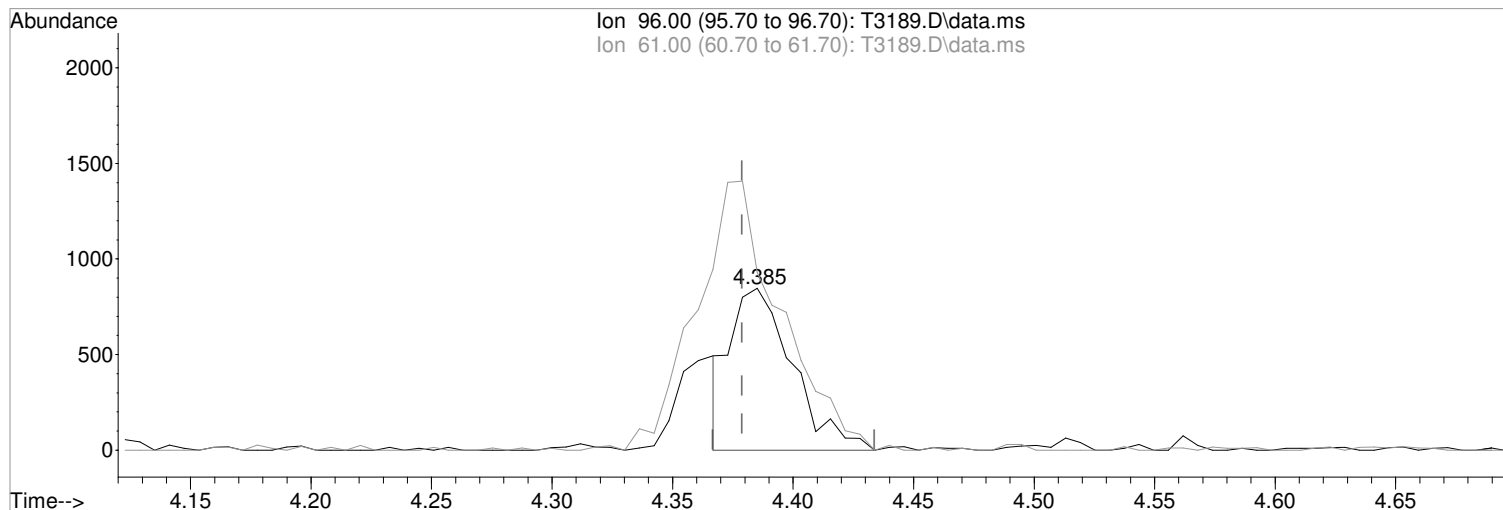
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

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

Manual Integration:

4.385min (+0.006) 0.67 ug/L

Before

response 1512

Ion Exp% Act%

11/18/20

96.00 100 100

61.00 133.10 109.93#

0.00 0.00 0.00

0.00 0.00 0.00

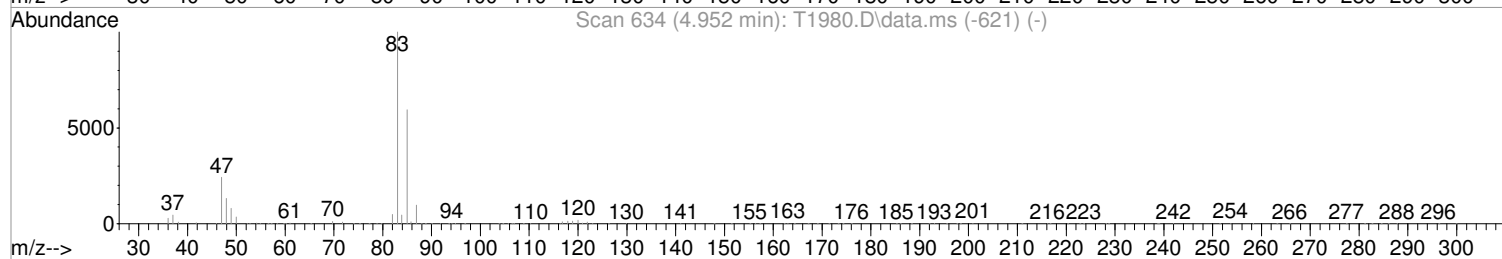
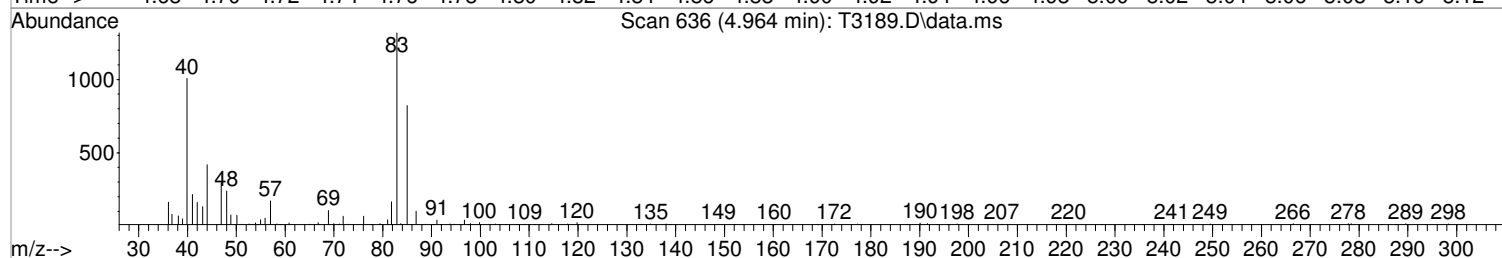
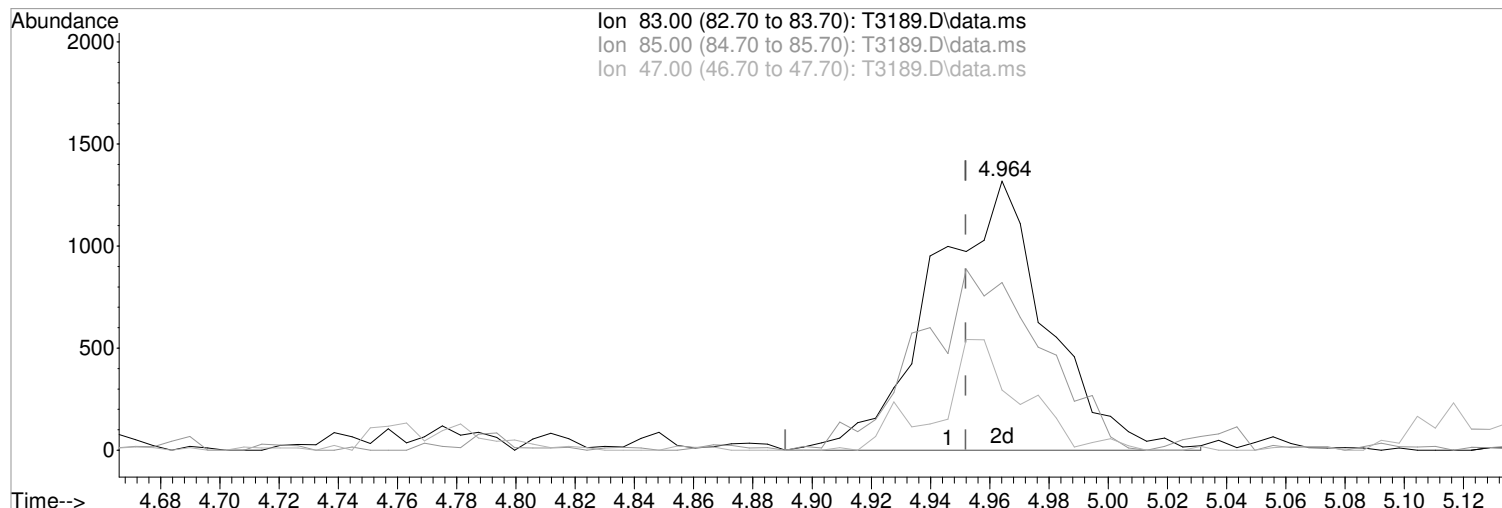
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(39) Chloroform (P)

4.964min (+0.012) 1.06 ug/L m

response 3558

Ion	Exp%	Act%
83.00	100	100
85.00	59.50	62.37
47.00	24.20	22.31
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

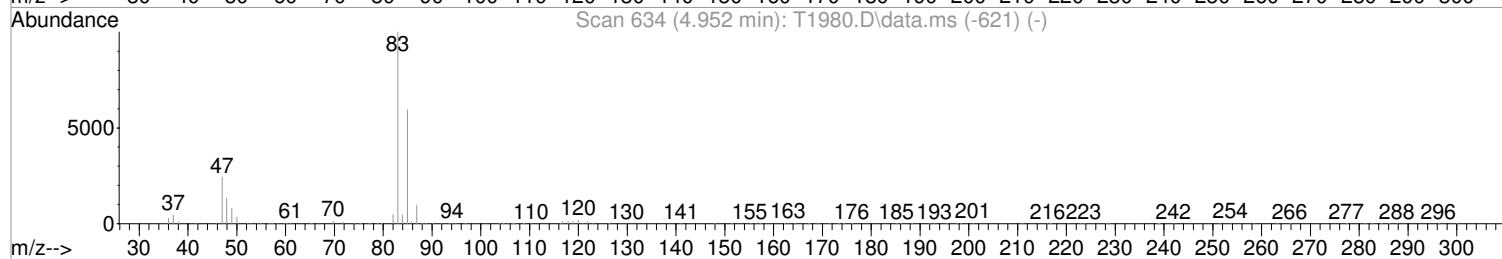
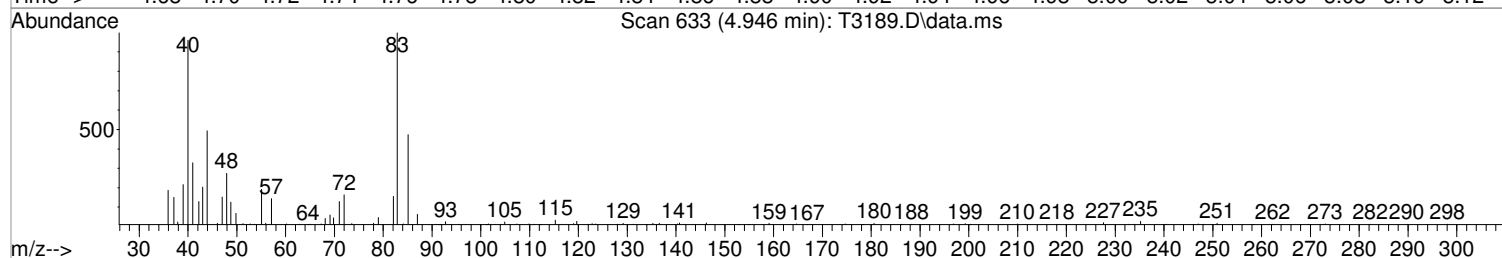
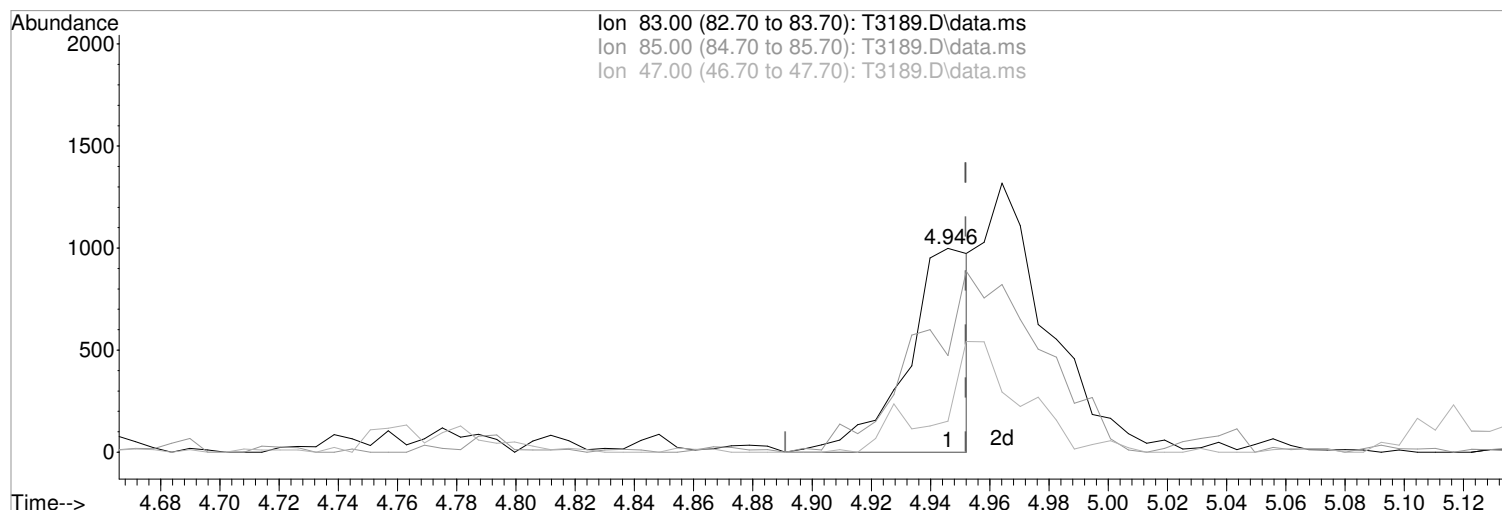
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(39) Chloroform (P)

Manual Integration:

4.946min (-0.006) 0.44 ug/L

Before

response 1482

Ion	Exp%	Act%
83.00	100	100
85.00	59.50	47.49
47.00	24.20	15.23
0.00	0.00	0.00

11/18/20

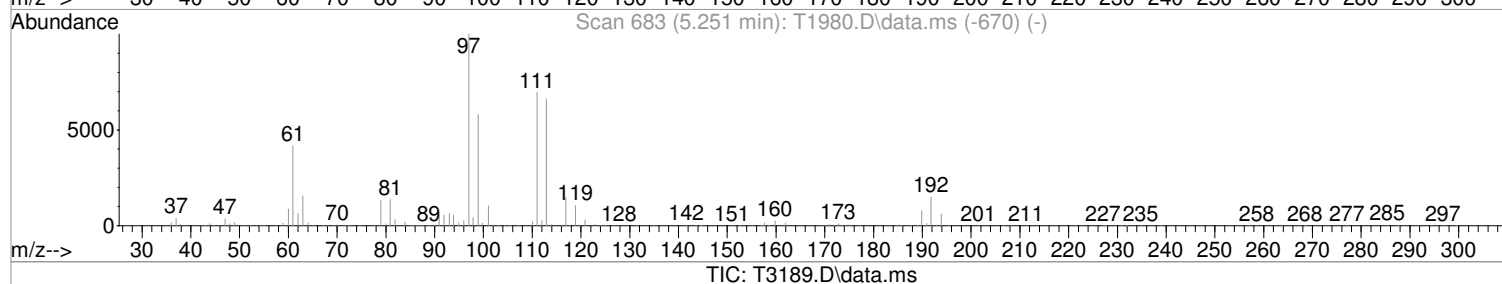
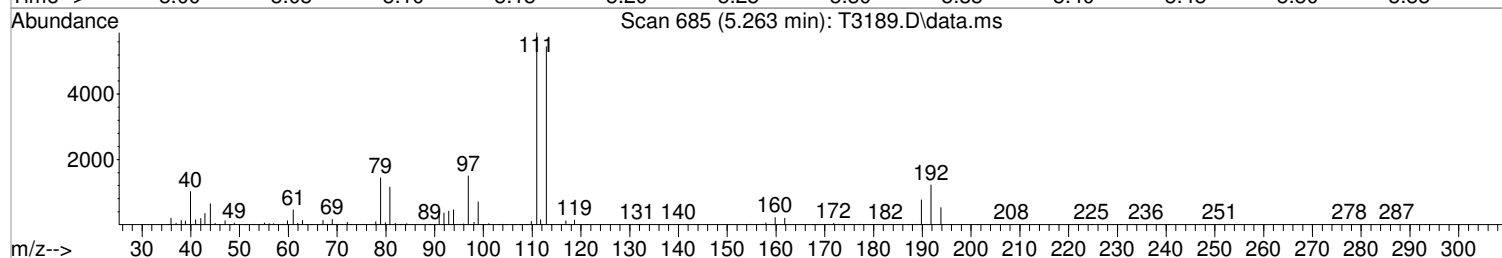
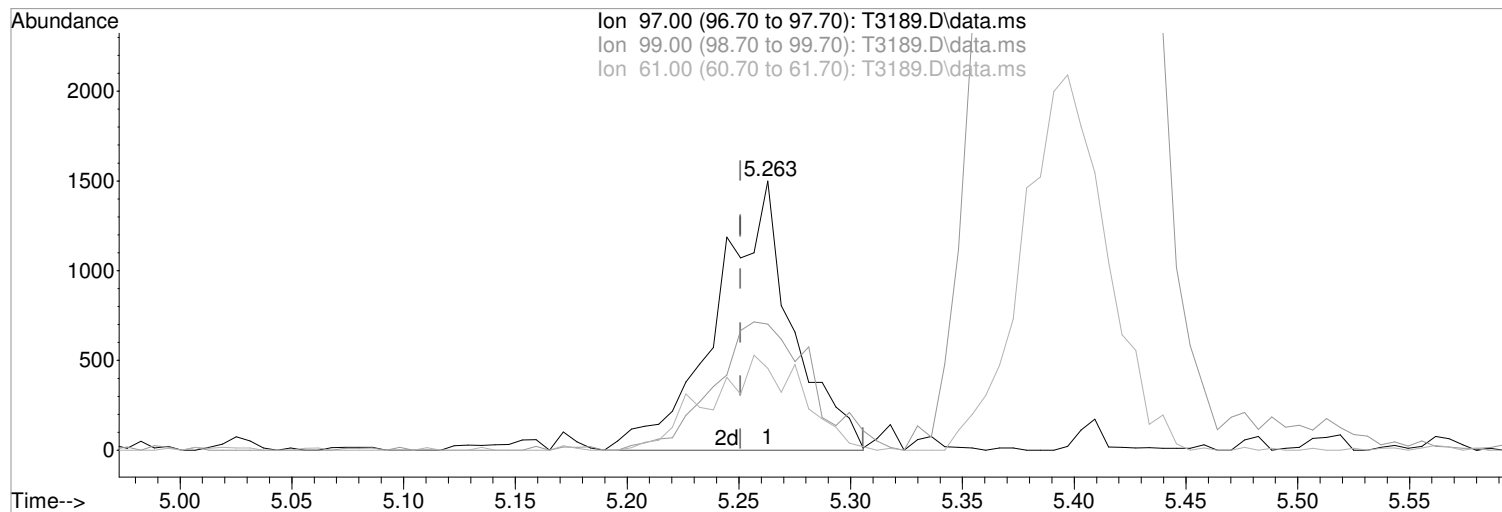
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



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

5.263min (+0.012) 1.10 ug/L m

response 3512

Ion	Exp%	Act%
97.00	100	100
99.00	58.00	46.83
61.00	41.80	30.42
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

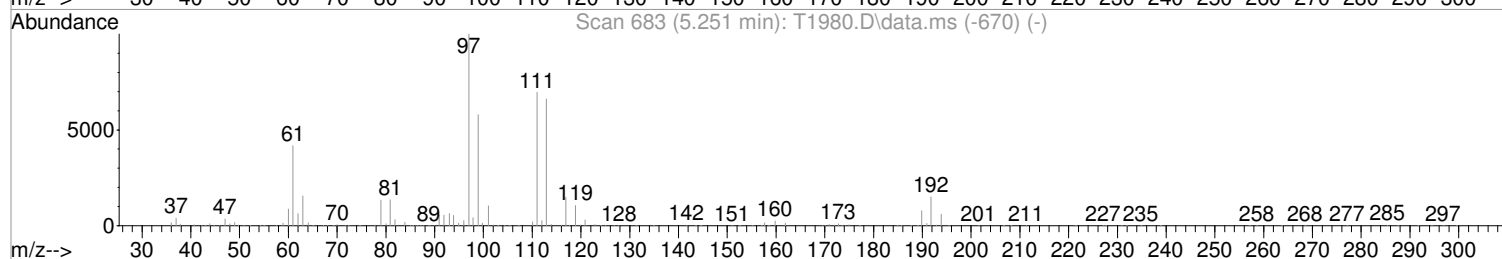
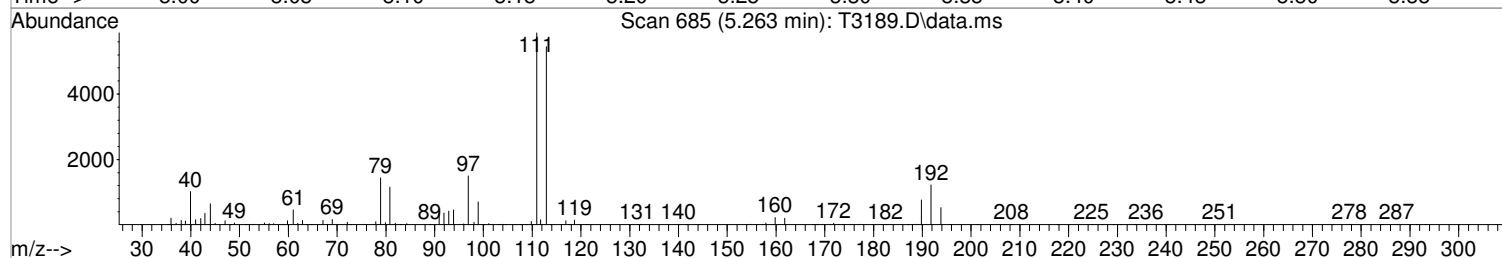
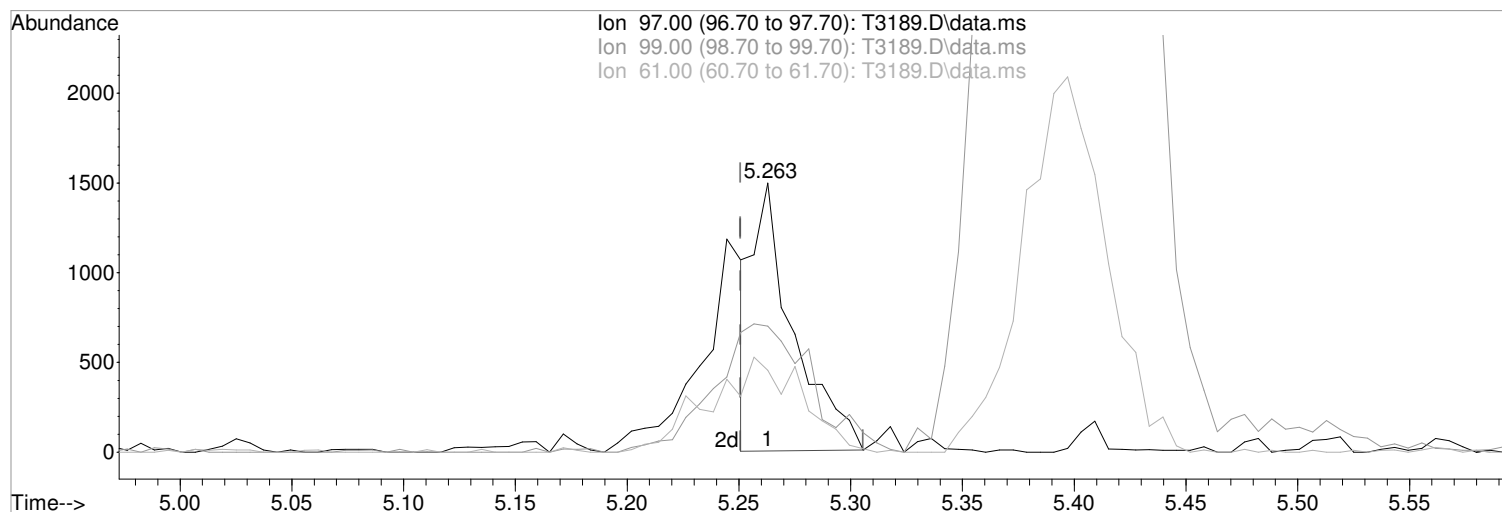
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

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

Manual Integration:

5.263min (+0.012) 0.59 ug/L

Before

response 1890

Ion	Exp%	Act%
97.00	100	100
99.00	58.00	46.83
61.00	41.80	30.42
0.00	0.00	0.00

11/18/20

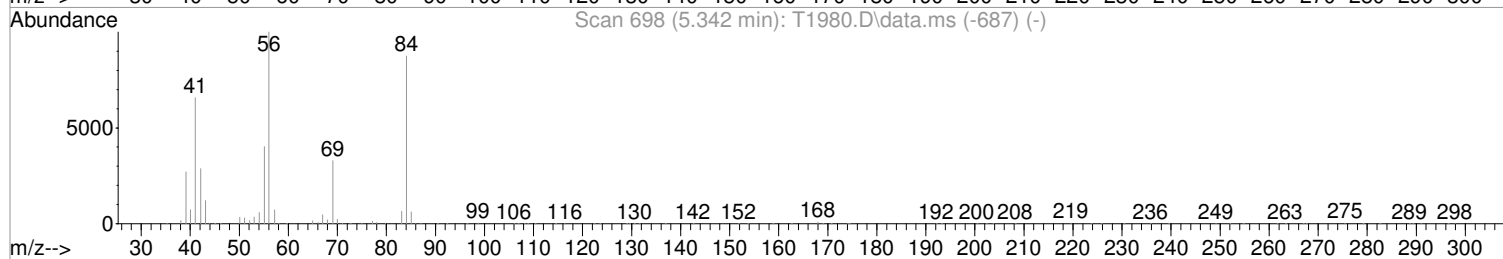
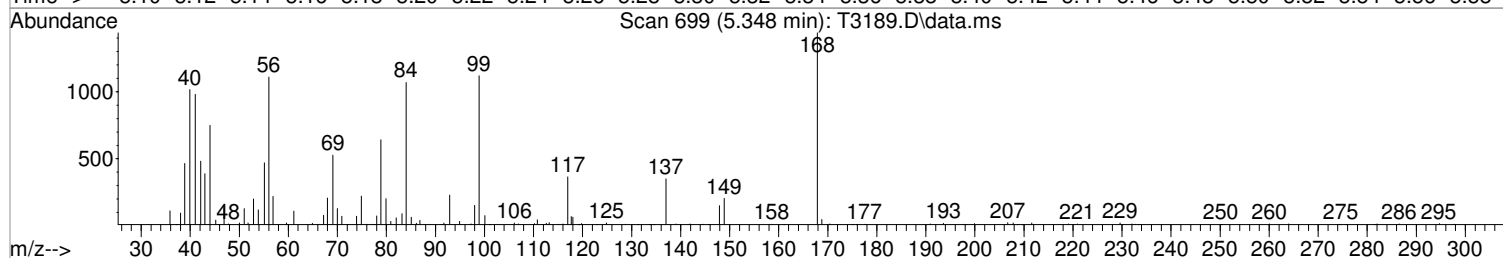
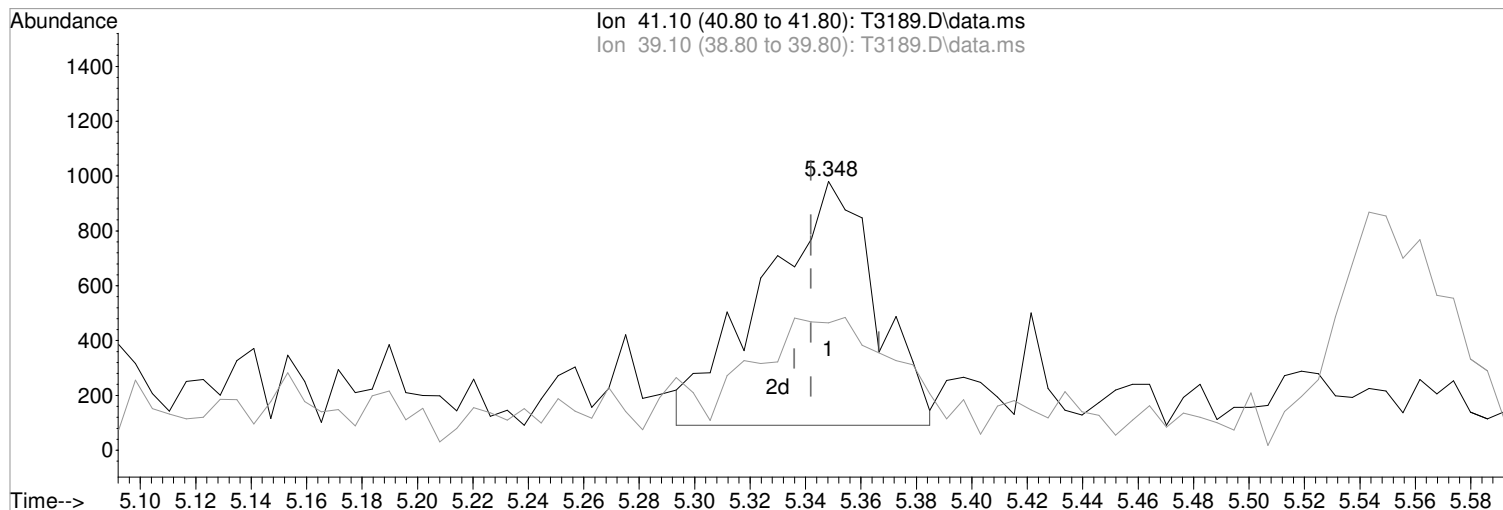
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(42) Cyclohexane (P)

5.348min (+0.006) 1.33 ug/L m

response 2510

Ion	Exp%	Act%
41.10	100	100
39.10	41.90	47.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

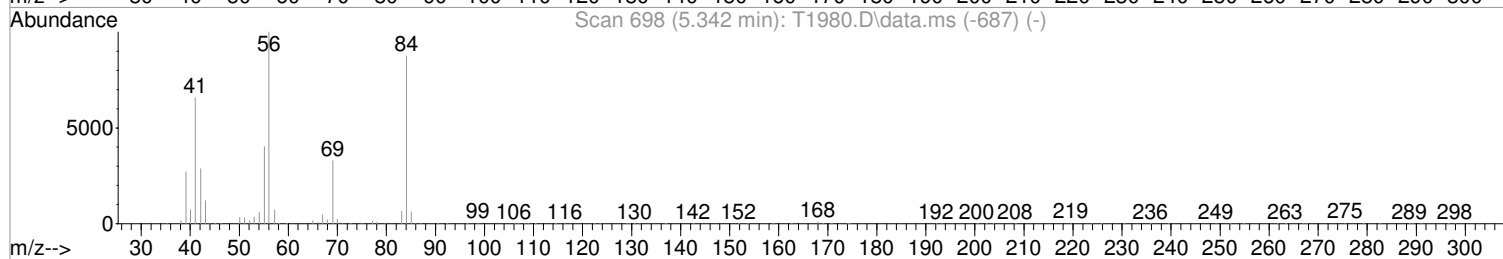
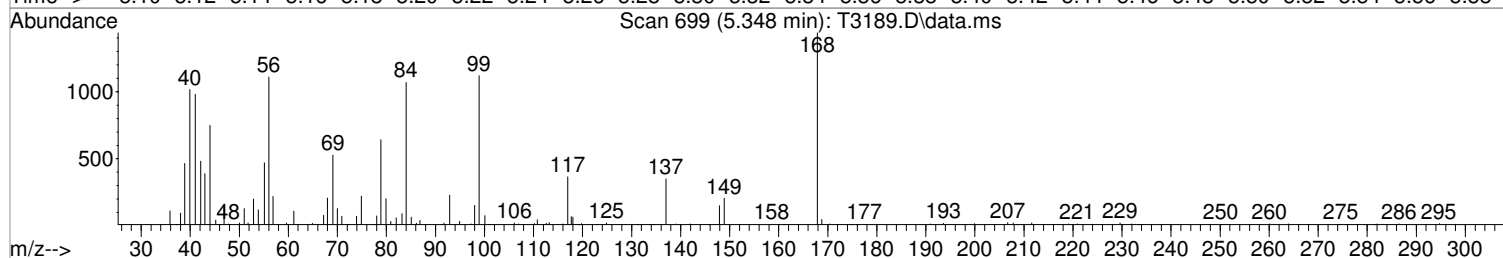
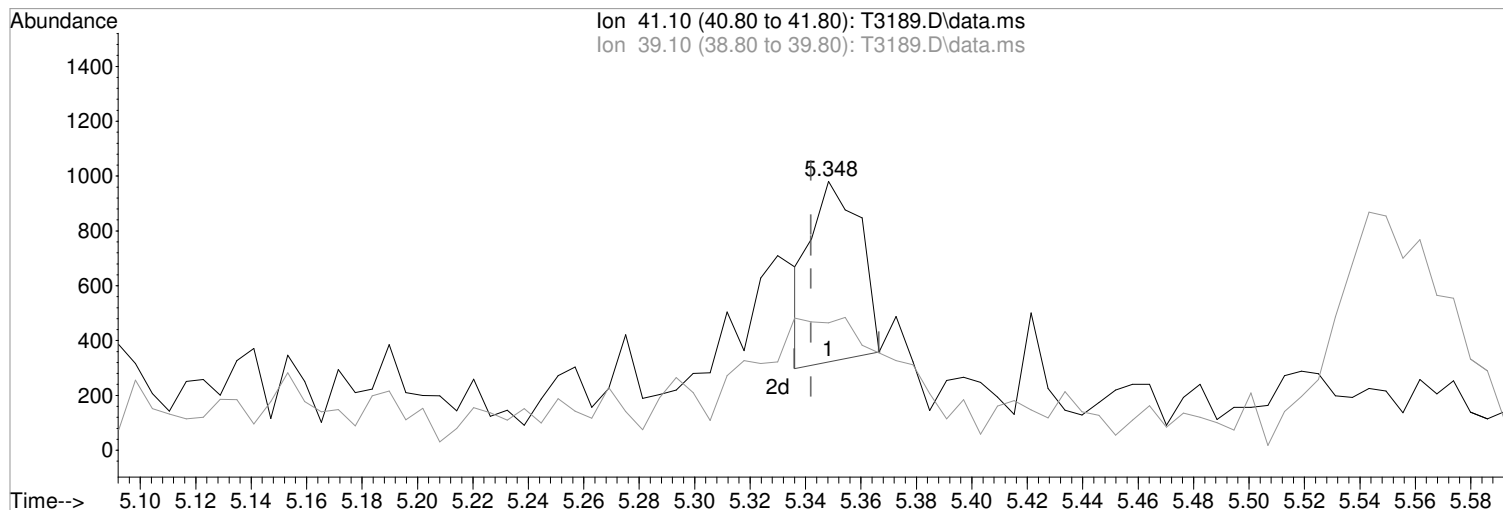
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(42) Cyclohexane (P)

Manual Integration:

5.348min (+0.006) 0.43 ug/L

Before

response 803

Ion	Exp%	Act%
41.10	100	100
39.10	41.90	47.40
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

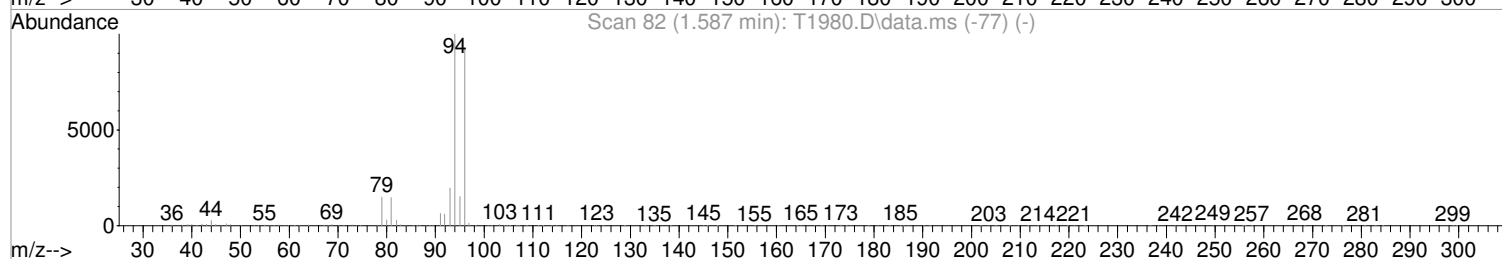
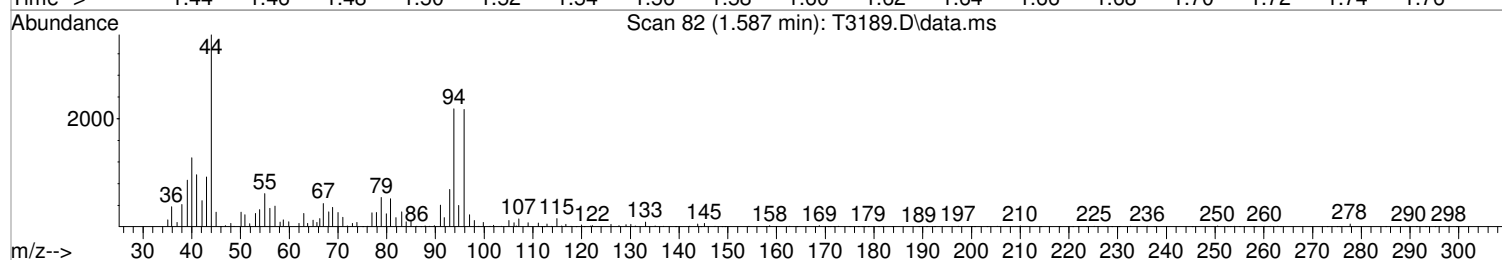
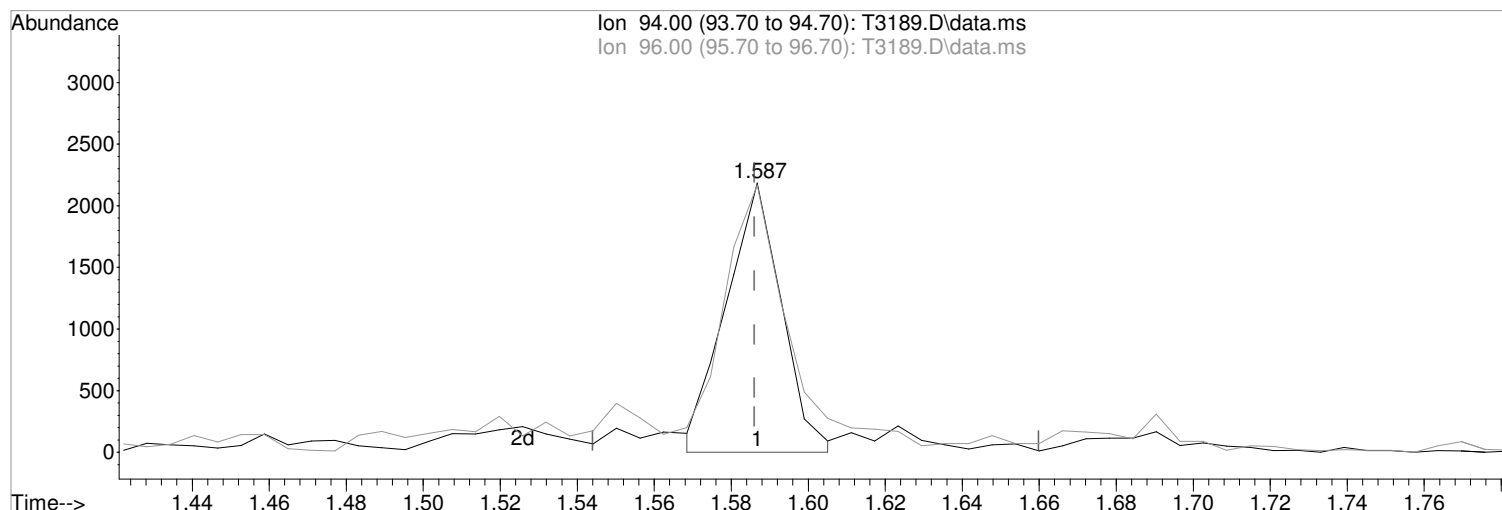
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(5) Bromomethane (P)

1.587min (+0.001) 1.04 ug/L m

response 2180

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	99.31
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

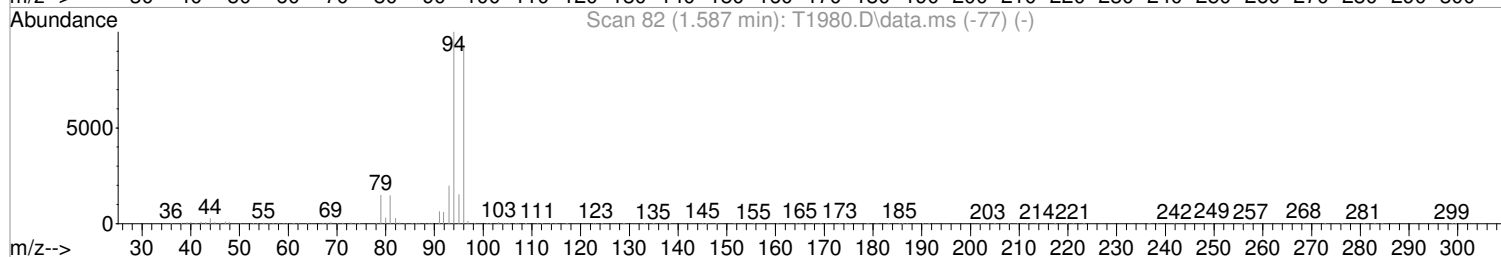
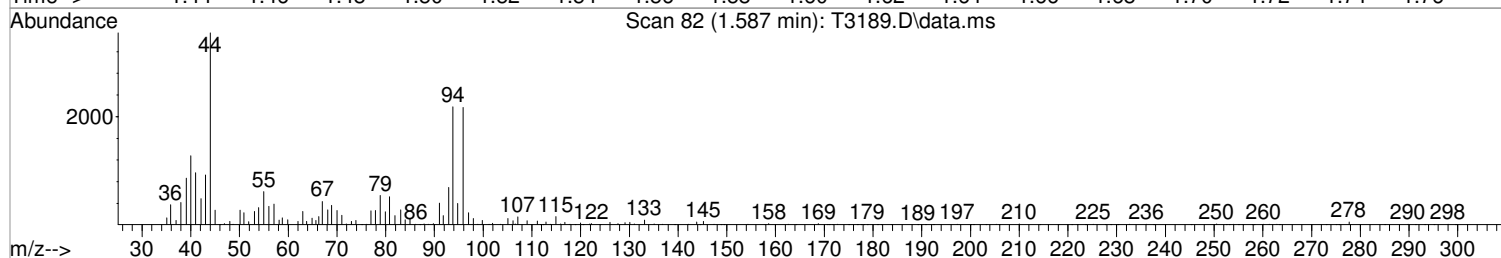
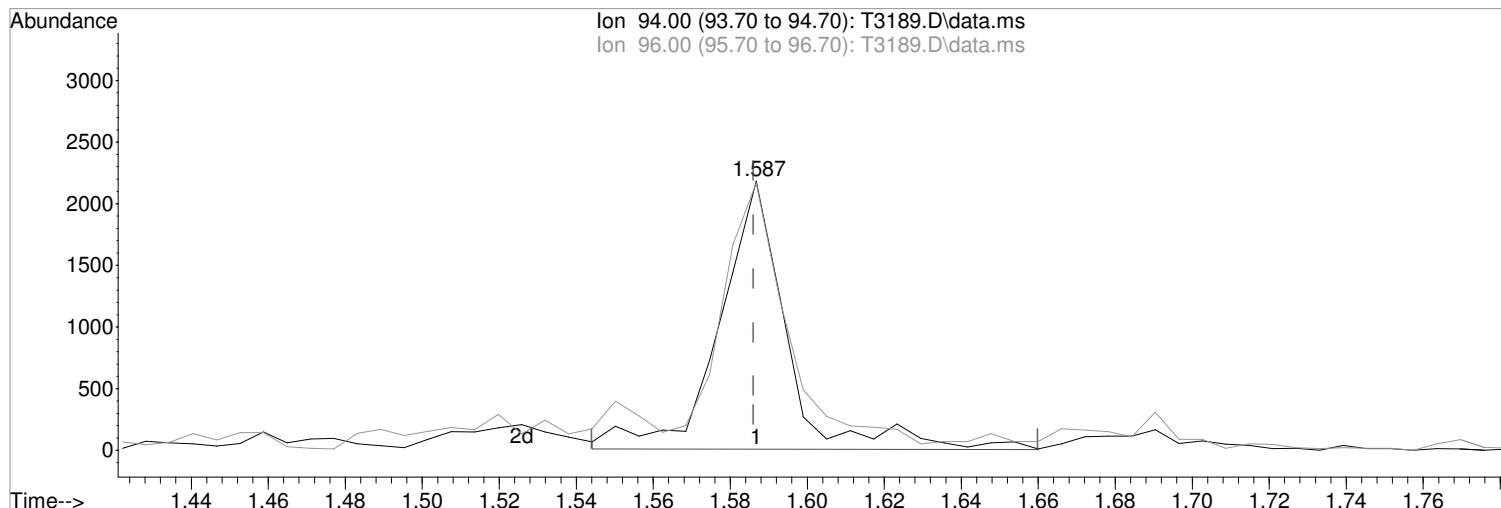
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(5) Bromomethane (P)

Manual Integration:

1.587min (+0.001) 1.26 ug/L

Before

response 2641

Ion	Exp%	Act%
94.00	100	100
96.00	92.90	99.31
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

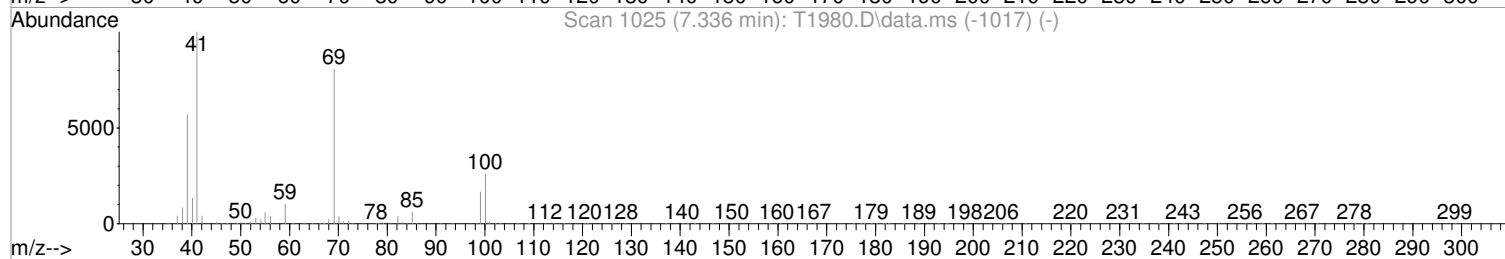
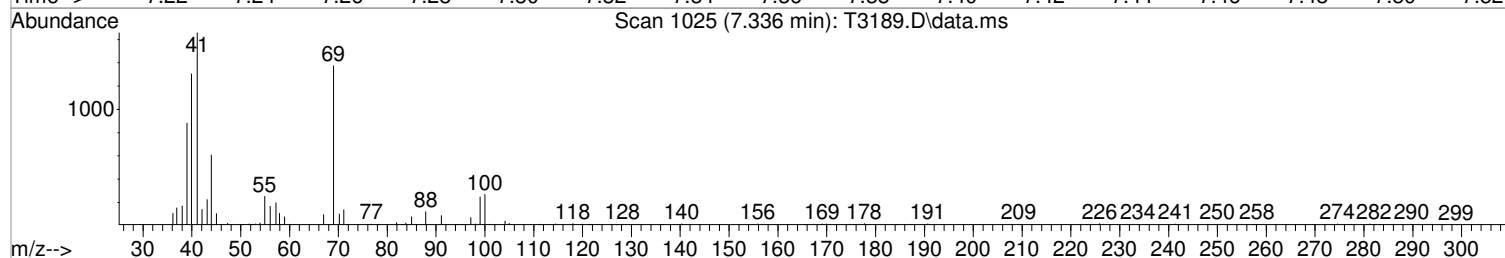
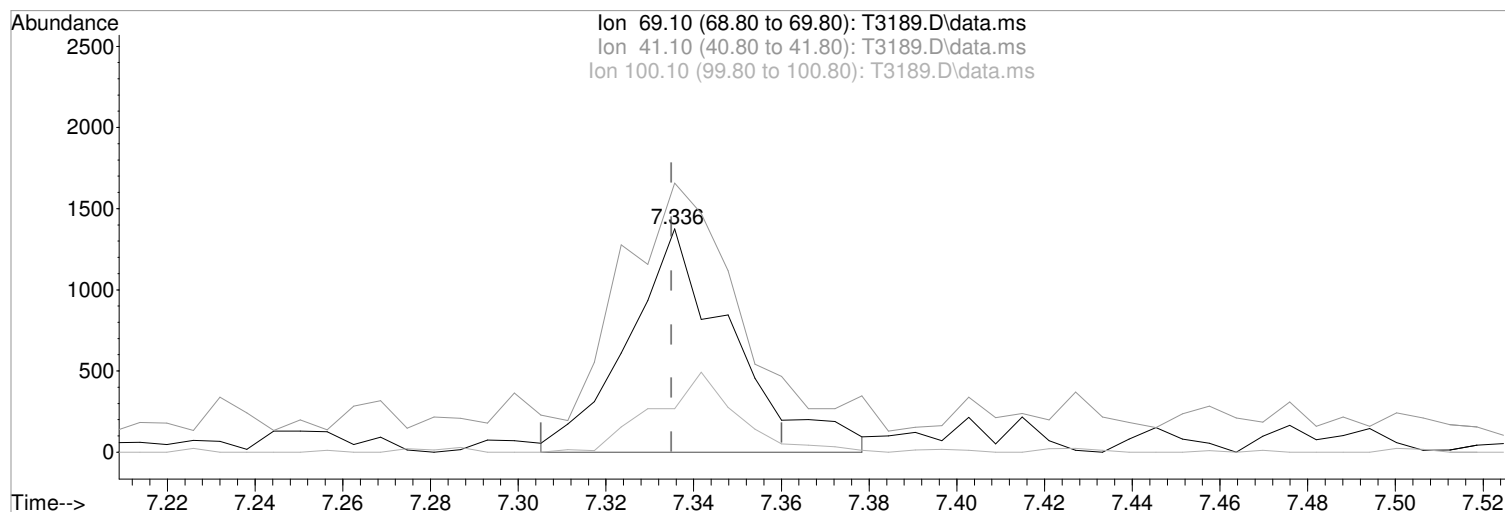
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(58) Methyl Methacrylate

7.336min (+0.001) 1.30 ug/L m

response 2268

Ion	Exp%	Act%
69.10	100	100
41.10	125.70	120.51
100.10	32.50	19.49
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

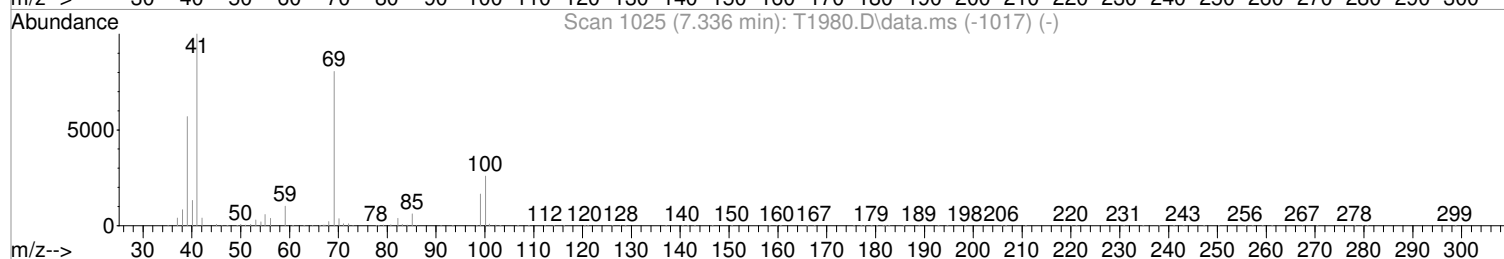
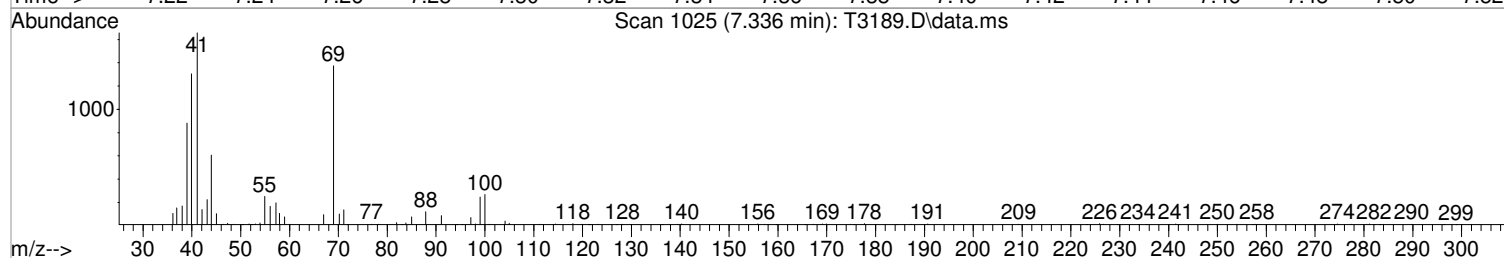
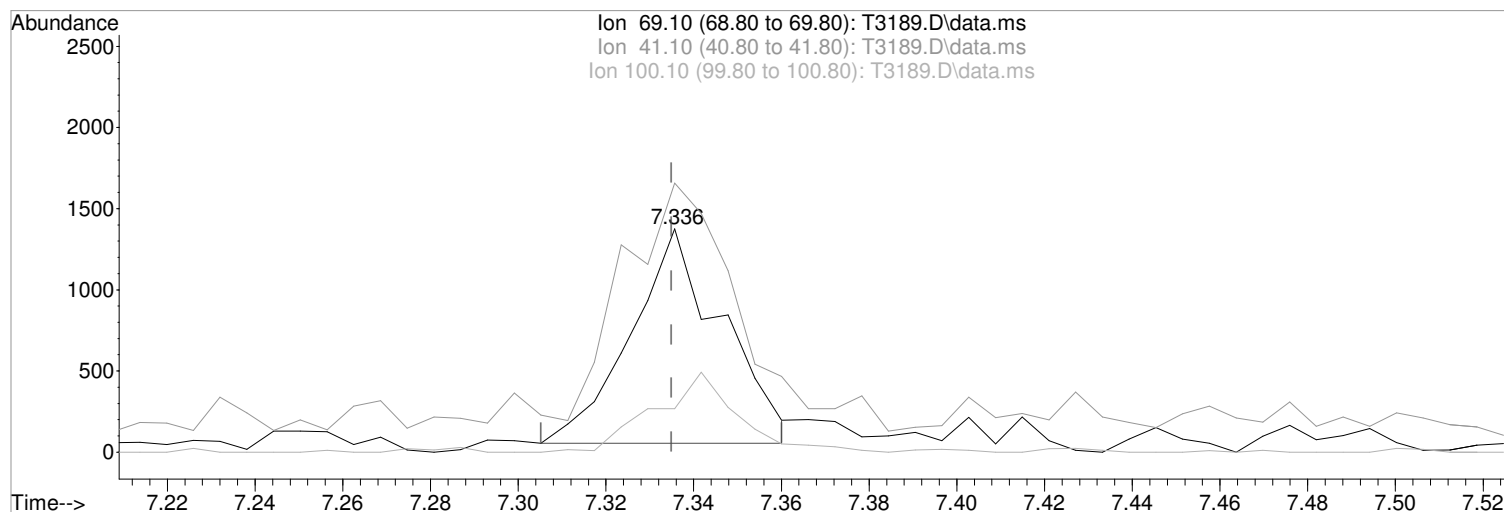
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3189.D
Acq On : 15 Nov 2020 1:18 pm
Operator : F.NAEGLER
Sample : 1 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:13:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3189.D\data.ms

(58) Methyl Methacrylate

Manual Integration:

7.336min (+0.001) 1.09 ug/L

Before

response 1910

Ion	Exp%	Act%
69.10	100	100
41.10	125.70	120.51
100.10	32.50	19.49
0.00	0.00	0.00

11/18/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3189.D
 Acq On : 15 Nov 2020 1:18 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:16:08 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	221509	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	315329	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	281183	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	149387	50.00	ug/L	0.00

System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	20677	10.80	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	21.60%#	
46) surr1,1,2-dichloroetha...	5.793	65	26557	11.67	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	23.34%#	
64) SURR3,Toluene-d8	8.317	98	81985	11.14	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	22.28%#	
69) SURR2,BFB	10.884	95	30516	10.52	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	21.04%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	2569	1.25	ug/L	83
3) Chloromethane	1.282	50	3664	1.28	ug/L	88
4) Vinyl Chloride	1.355	62	3189	1.21	ug/L	87
5) Bromomethane	1.587	94	2180m	1.04	ug/L	
6) Chloroethane	1.666	64	2044	1.38	ug/L #	76
7) Freon 21	1.812	67	3601	0.95	ug/L	78
8) Trichlorofluoromethane	1.861	101	2909	0.89	ug/L	87
9) Diethyl Ether	2.099	59	2064	0.93	ug/L	96
10) Freon 123a	2.099	67	2348	0.93	ug/L	78
11) Freon 123	2.154	83	2838	1.06	ug/L	91
12) Acrolein	2.203	56	3016	5.04	ug/L	90
13) 1,1-Dicethene	2.288	96	1665	1.01	ug/L #	82
14) Freon 113	2.300	101	2084	1.04	ug/L #	67
15) Acetone	2.337	43	2203	2.02	ug/L #	82
16) 2-Propanol	2.465	45	5463	23.80	ug/L	81
17) Iodomethane	2.416	142	1859	0.69	ug/L	88
18) Carbon Disulfide	2.483	76	5703	1.04	ug/L	97
19) Acetonitrile	2.593	41	2327	5.72	ug/L #	56
20) Allyl Chloride	2.623	76	1190	0.98	ug/L #	87
21) Methyl Acetate	2.648	43	2450	0.98	ug/L	88
22) Methylene Chloride	2.739	84	2220	1.05	ug/L	90
23) TBA	2.867	59	8418	21.93	ug/L	95
24) Acrylonitrile	2.995	53	5726	4.83	ug/L	94
25) Methyl-t-Butyl Ether	3.038	73	7234	1.07	ug/L	96
26) trans-1,2-Dichloroethene	3.032	96	1943	1.10	ug/L #	72
27) 1,1-Dicethane	3.538	63	3880	1.01	ug/L	99
28) Vinyl Acetate	3.653	86	234m	0.56	ug/L	
29) DIPE	3.660	45	7898	1.04	ug/L	81
30) 2-Chloro-1,3-Butadiene	3.653	53	3426	1.06	ug/L #	73
31) ETBE	4.190	59	6796	1.04	ug/L	87
32) 2,2-Dichloropropane	4.379	77	3316	1.07	ug/L	90
33) cis-1,2-Dichloroethene	4.385	96	2083m	0.92	ug/L	
34) 2-Butanone	4.446	43	2542	1.58	ug/L	93
35) Propionitrile	4.519	54	2590	5.32	ug/L	81
36) Bromochloromethane	4.793	130	1403	0.95	ug/L #	78
37) Methacrylonitrile	4.781	67	1133	0.97	ug/L #	52
38) Tetrahydrofuran	4.879	42	5935	2.04	ug/L	96
39) Chloroform	4.964	83	3558m	1.06	ug/L	
40) 1,1,1-Trichloroethane	5.263	97	3512m	1.10	ug/L	

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3189.D
 Acq On : 15 Nov 2020 1:18 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:16:08 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.348	41	2510m	1.33	ug/L	
44) Carbontetrachloride	5.537	117	2467	1.06	ug/L	92
45) 1,1-Dichloropropene	5.562	75	2803	1.11	ug/L	79
47) Benzene	5.873	78	8251	1.09	ug/L	80
48) 1,2-Dichloroethane	5.915	62	2935	1.05	ug/L	97
49) Iso-Butyl Alcohol	5.891	43	4112	24.97	ug/L #	70
50) TAME	6.104	73	6201	1.08	ug/L	87
51) n-Heptane	6.354	43	2827	1.06	ug/L	94
52) 1-Butanol	6.860	56	5624	67.40	ug/L	91
53) Trichloroethene	6.824	130	2047	1.06	ug/L	89
54) Methylcyclohexane	7.055	55	3085	1.33	ug/L #	67
55) 1,2-Dicloropropane	7.104	63	2132	0.98	ug/L	76
56) Dibromomethane	7.250	93	1615	1.13	ug/L	85
57) 1,4-Dioxane	7.311	88	769	19.32	ug/L	76
58) Methyl Methacrylate	7.336	69	2268m	1.30	ug/L	
59) Bromodichloromethane	7.470	83	3133	1.15	ug/L	96
60) 2-Nitropropane	7.769	41	2065	3.06	ug/L	90
61) 2-Chloroethylvinyl Ether	7.878	63	1457	1.48	ug/L	83
62) cis-1,3-Dichloropropene	8.025	75	3552	1.10	ug/L	84
63) 4-Methyl-2-pentanone	8.226	43	3218	1.10	ug/L	76
65) Toluene	8.390	91	8128	1.10	ug/L	85
66) trans-1,3-Dichloropropene	8.665	75	3039	0.98	ug/L	88
67) Ethyl Methacrylate	8.805	69	3619	1.24	ug/L	82
68) 1,1,2-Trichloroethane	8.848	97	2067	1.06	ug/L	91
71) Tetrachloroethene	8.982	164	1713	1.15	ug/L #	81
72) 2-Hexanone	9.140	43	1989	0.98	ug/L	98
73) 1,3-Dichloropropane	9.018	76	3381	1.09	ug/L #	80
74) Dibromochloromethane	9.244	129	1902	1.05	ug/L	87
75) N-Butyl Acetate	9.299	43	4337	1.10	ug/L	91
76) 1,2-Dibromoethane	9.341	107	2047	1.03	ug/L	88
77) 3-Chlorobenzotrifluoride	9.853	180	3209	1.19	ug/L	97
78) Chlorobenzene	9.835	112	5665	1.12	ug/L	89
79) 4-Chlorobenzotrifluoride	9.908	180	2881	1.27	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.921	131	2078	1.13	ug/L #	82
81) Ethylbenzene	9.957	106	2922	1.12	ug/L #	70
82) (m+p)Xylene	10.067	106	6927	2.16	ug/L	90
83) o-Xylene	10.427	106	3937	1.19	ug/L #	83
84) Styrene	10.439	104	6376	1.17	ug/L	93
85) Bromoform	10.591	173	1615	1.03	ug/L	86
86) 2-Chlorobenzotrifluoride	10.670	180	3118	1.20	ug/L	93
87) Isopropylbenzene	10.762	105	8697	1.08	ug/L	97
88) Cyclohexanone	10.823	55	10969	26.75	ug/L	95
89) trans-1,4-Dichloro-2-B...	11.067	53	1087	1.51	ug/L #	78
91) 1,1,2,2-Tetrachloroethane	11.018	83	3573	1.33	ug/L	88
92) Bromobenzene	11.006	156	2597	1.14	ug/L	88
93) 1,2,3-Trichloropropane	11.048	110	881	1.21	ug/L #	72
94) n-Propylbenzene	11.115	91	9901	1.19	ug/L	97
95) 2-Chlorotoluene	11.182	91	6404	1.19	ug/L	97
96) 3-Chlorotoluene	11.231	91	6240	1.03	ug/L	95
97) 4-Chlorotoluene	11.268	91	7297	1.10	ug/L	90
98) 1,3,5-Trimethylbenzene	11.268	105	7445	1.15	ug/L	88
99) tert-Butylbenzene	11.542	119	6228	1.12	ug/L	97
100) 1,2,4-Trimethylbenzene	11.579	105	7170	1.22	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.640	214	2404	1.10	ug/L	85
102) sec-Butylbenzene	11.719	105	9271	1.14	ug/L	95
103) p-Isopropyltoluene	11.847	119	7793	1.27	ug/L	91

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3189.D
 Acq On : 15 Nov 2020 1:18 pm
 Operator : F.NAEGLER
 Sample : 1 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:16:08 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

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

104) 1,3-Dclbenz	11.804	146	4601	1.23	ug/L	94
105) 1,4-Dclbenz	11.871	146	4726	1.20	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.932	214	2354	1.22	ug/L	91
107) 2,5-Dichlorobenzotrifl...	11.969	214	2705	1.23	ug/L	91
108) n-Butylbenzene	12.176	91	6955	1.22	ug/L	97
109) 1,2-Dclbenz	12.176	146	4779	1.16	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.804	157	792	1.13	ug/L #	77
111) Trielution Dichlorotol...	12.914	125	11131	3.32	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	3775	1.26	ug/L #	81
113) Coelution Dichlorotoluene	13.249	125	8251	2.22	ug/L	97
114) 1,2,4-Tcbenzene	13.456	180	3473	1.19	ug/L	96
115) Hexachlorobt	13.591	225	1510	1.24	ug/L	90
116) Naphthalen	13.645	128	9785	1.32	ug/L	97
117) 1,2,3-Tclbenzene	13.828	180	3184	1.12	ug/L	87
118) 2,4,5-Trichlorotoluene	14.420	159	2616	1.45	ug/L	90
119) 2,3,6-Trichlorotoluene	14.505	159	2349	1.42	ug/L	89

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

(QT Reviewed)

Inst : MSV0A10

ALS Vial : 3 Sample Multiplier: 1



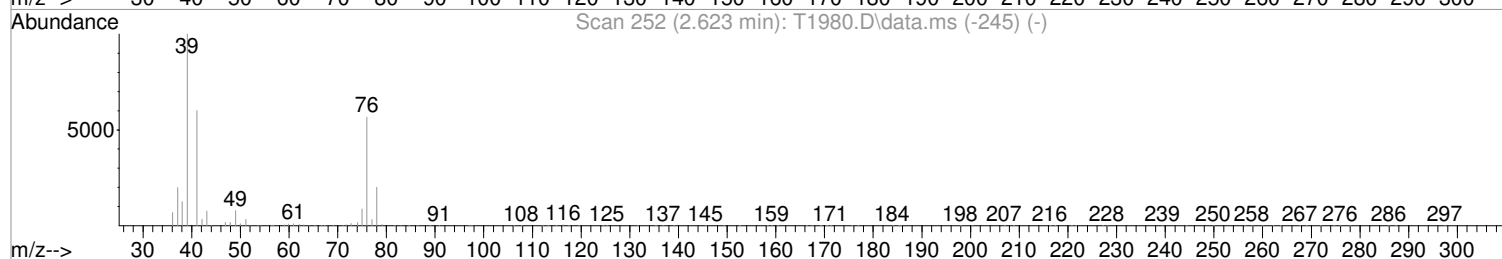
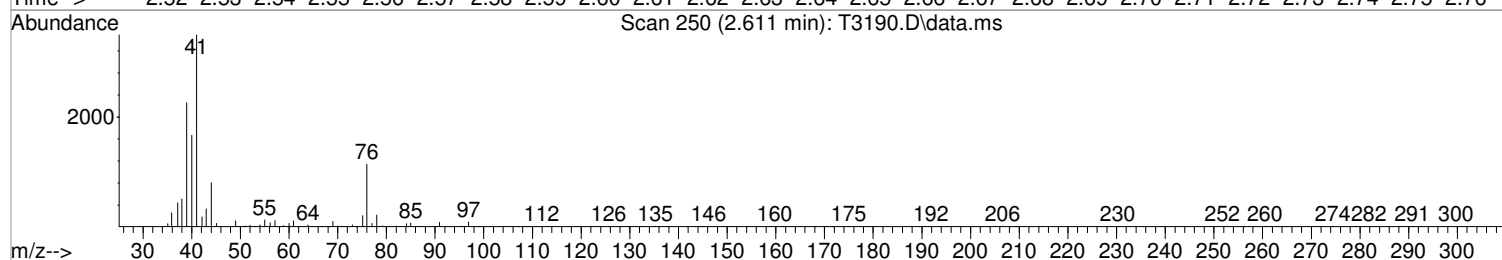
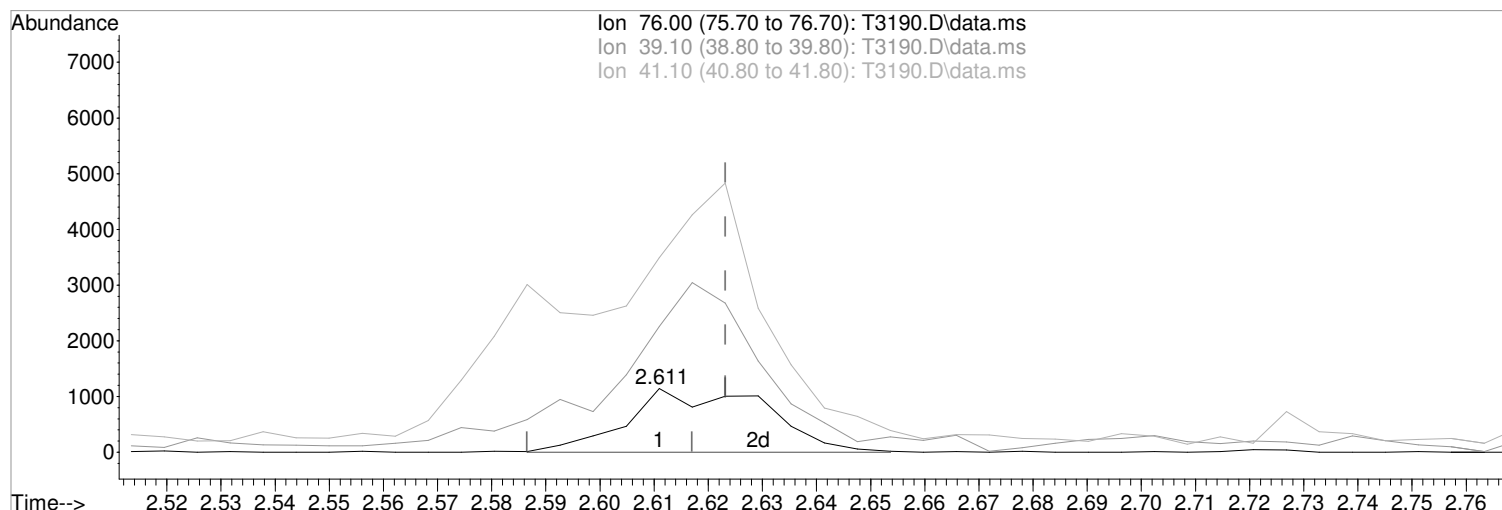
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3190.D
Acq On : 15 Nov 2020 1:40 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:17:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3190.D\data.ms

(20) Allyl Chloride

2.611min (-0.012) 1.79 ug/L m

response 2032

Ion	Exp%	Act%
76.00	100	100
39.10	212.00	197.72
41.10	289.00	305.69
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

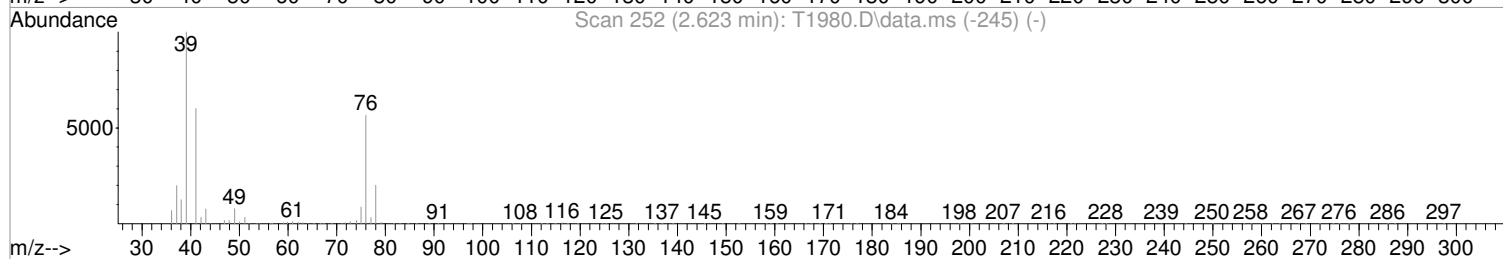
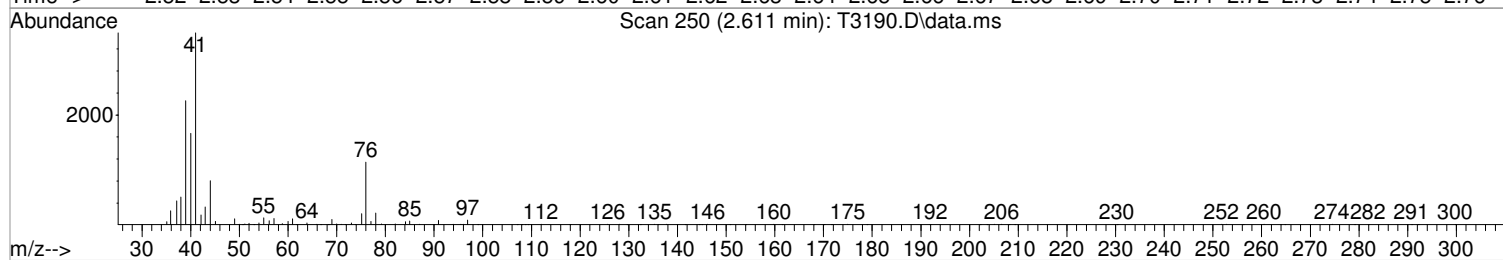
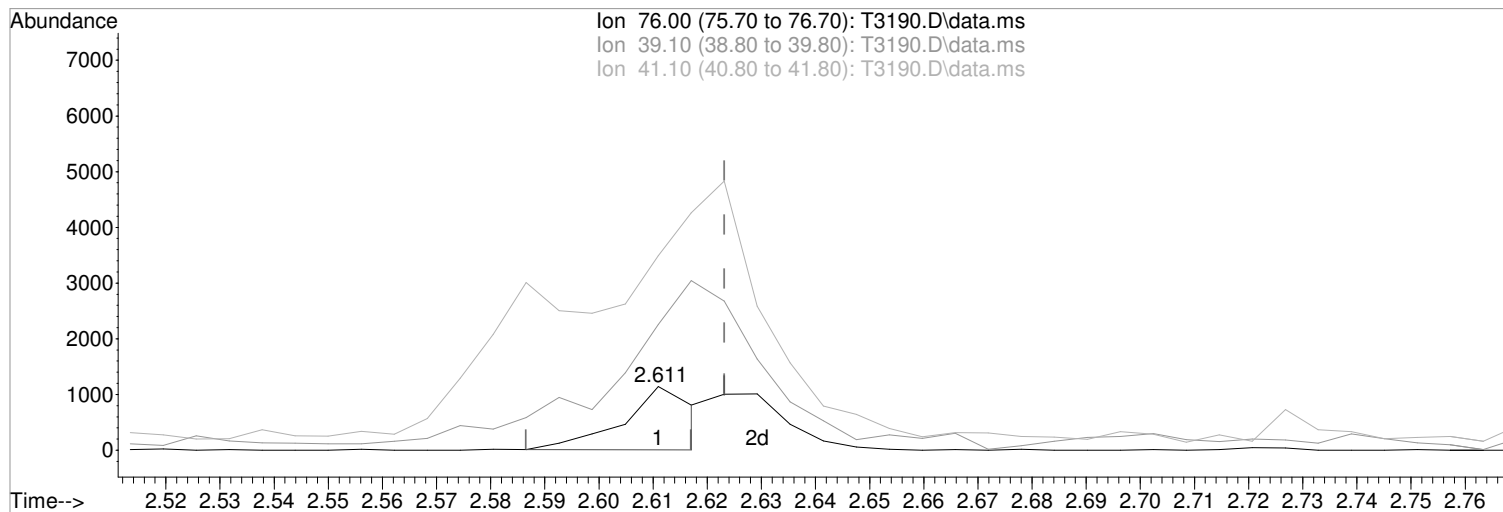
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3190.D
Acq On : 15 Nov 2020 1:40 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:17:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3190.D\data.ms

(20) Allyl Chloride

Manual Integration:

2.611min (-0.012) 0.90 ug/L

Before

response 1020

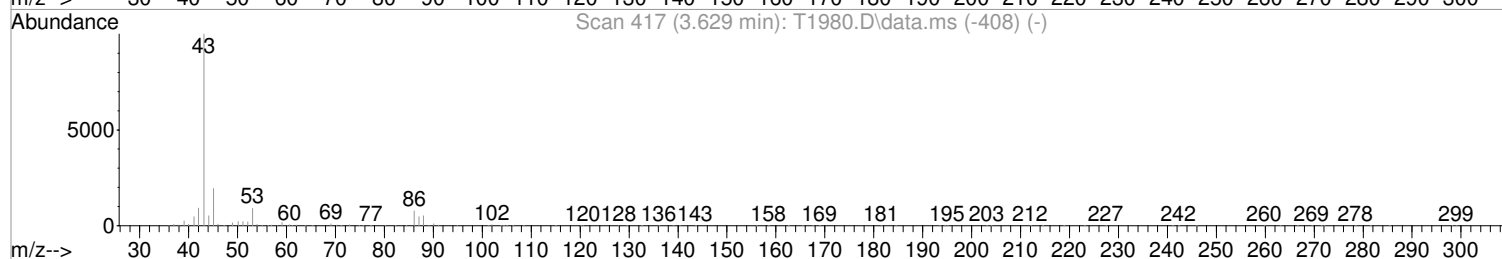
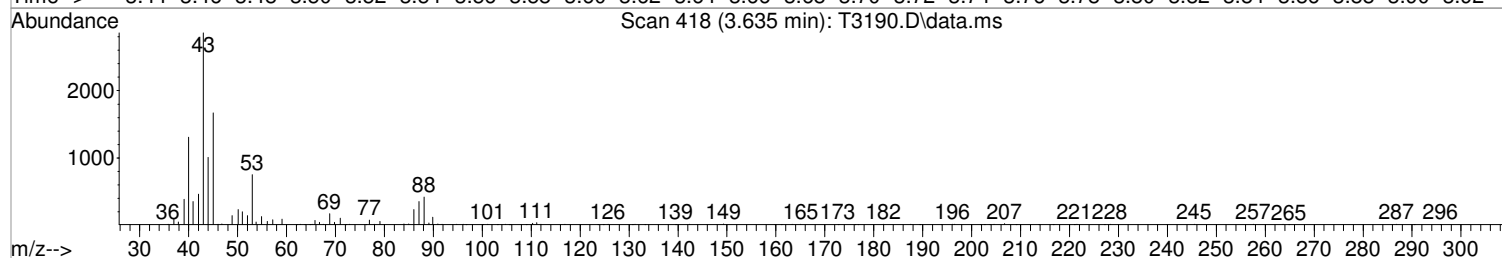
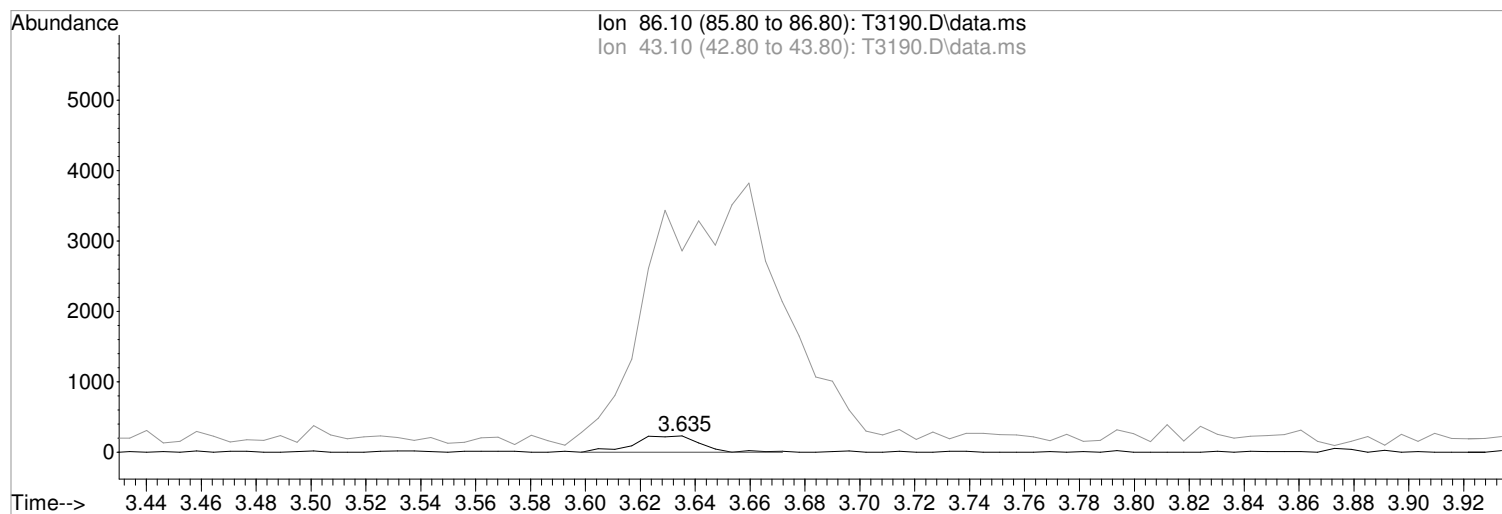
Ion	Exp%	Act%
76.00	100	100
39.10	212.00	197.72
41.10	289.00	305.69
0.00	0.00	0.00

11/18/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3190.D
Acq On : 15 Nov 2020 1:40 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:17:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3190.D\data.ms

(28) Vinyl Acetate

3.635min (+0.006) 1.02 ug/L m

response 397

Ion	Exp%	Act%

86.10	100	100

43.10	1317.20	1226.61#

0.00	0.00	0.00

0.00	0.00	0.00

Manual Integration:

After

Peak not found.

11/18/20

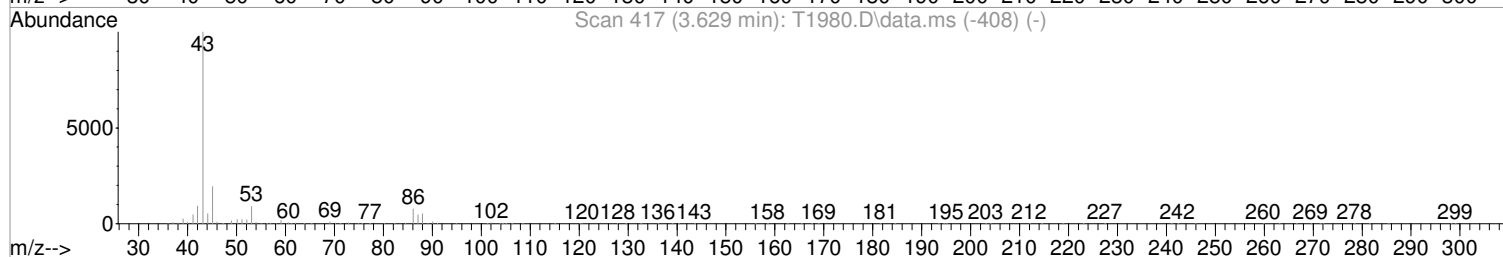
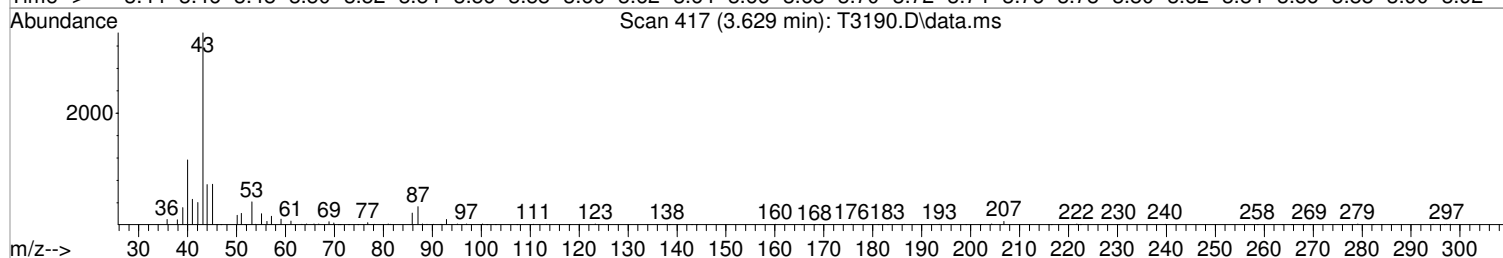
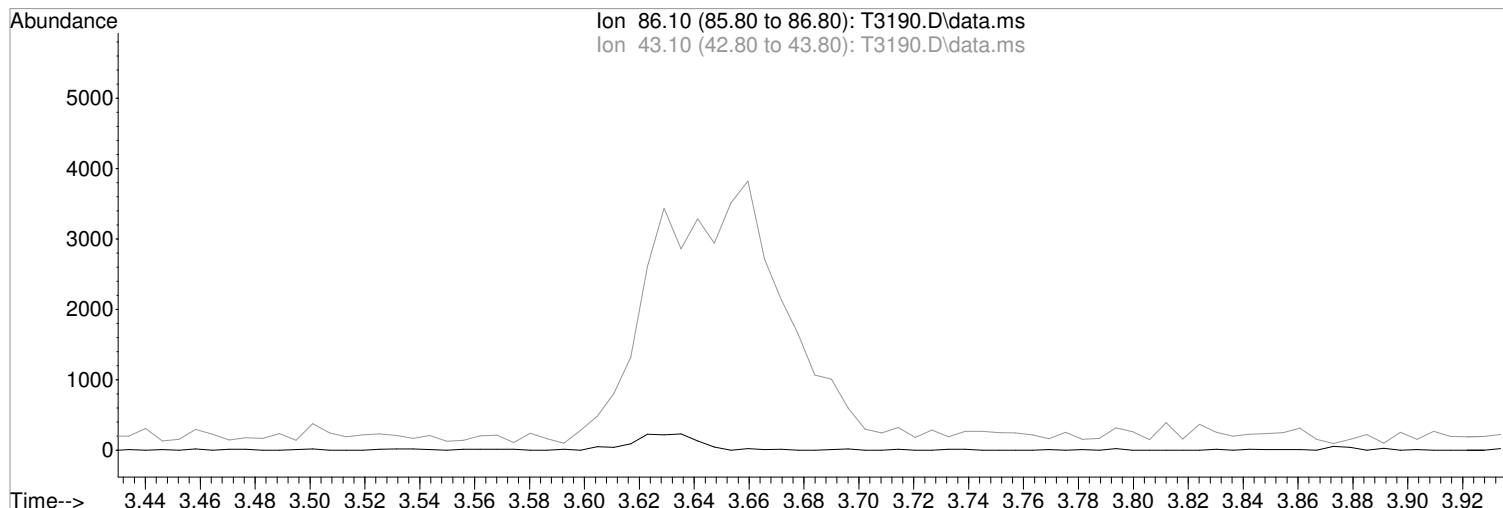
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3190.D
Acq On : 15 Nov 2020 1:40 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:17:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3190.D\data.ms

(28) Vinyl Acetate

Manual Integration:

3.629min (-3.629) 0.00 ug/L

Before

response 0

Ion Exp% Act%

11/18/20

86.10 100 0.00

43.10 1317.20 0.00#

0.00 0.00 0.00

0.00 0.00 0.00

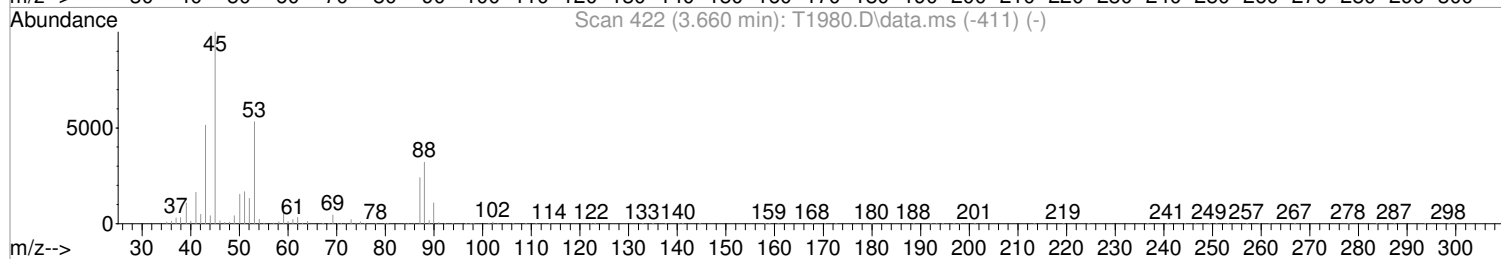
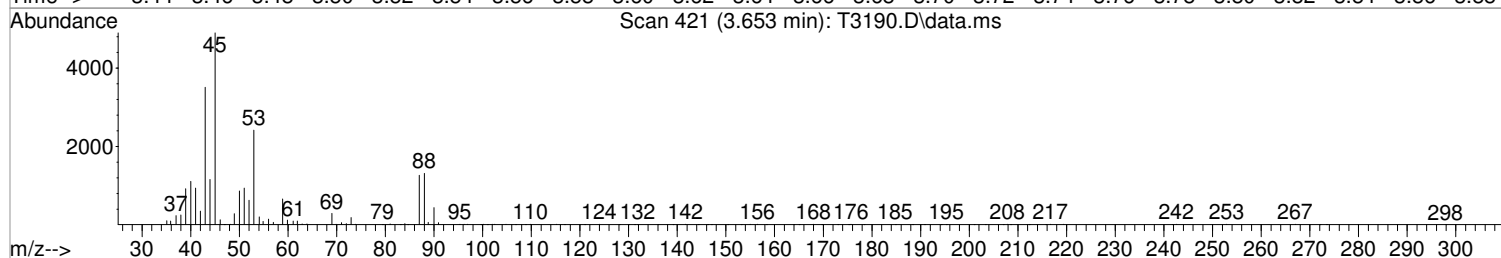
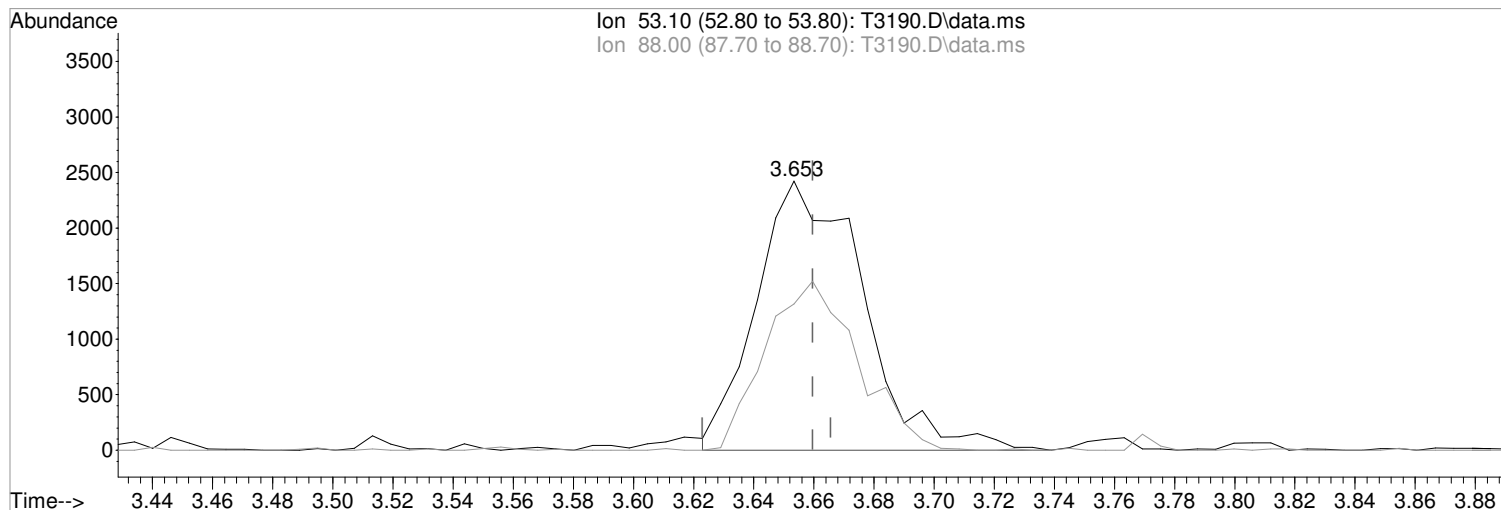
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3190.D
Acq On : 15 Nov 2020 1:40 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:17:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3190.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.653min (-0.006) 1.98 ug/L m

response 5957

Ion	Exp%	Act%
53.10	100	100
88.00	60.30	54.42
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

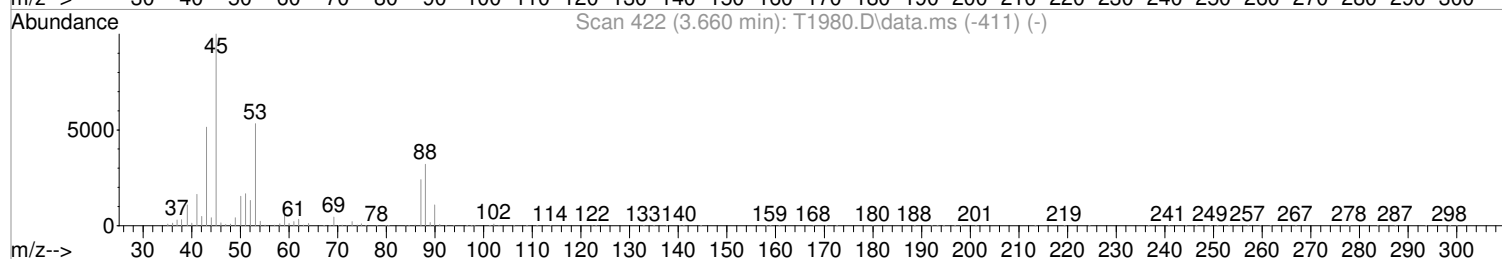
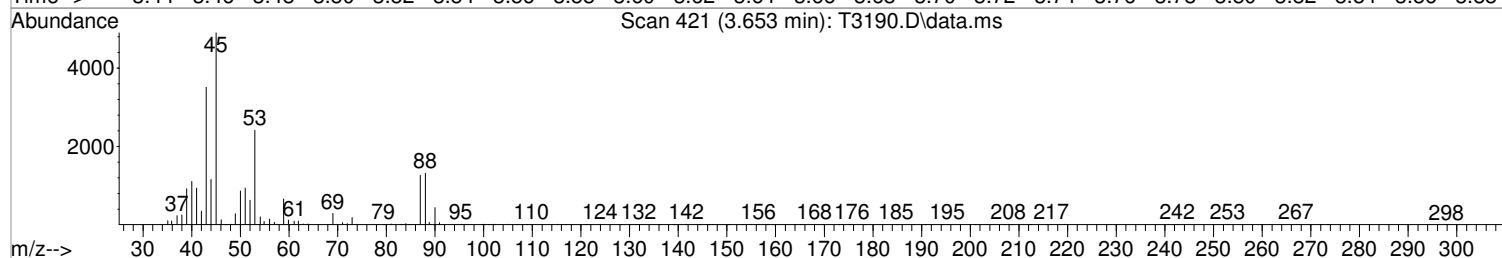
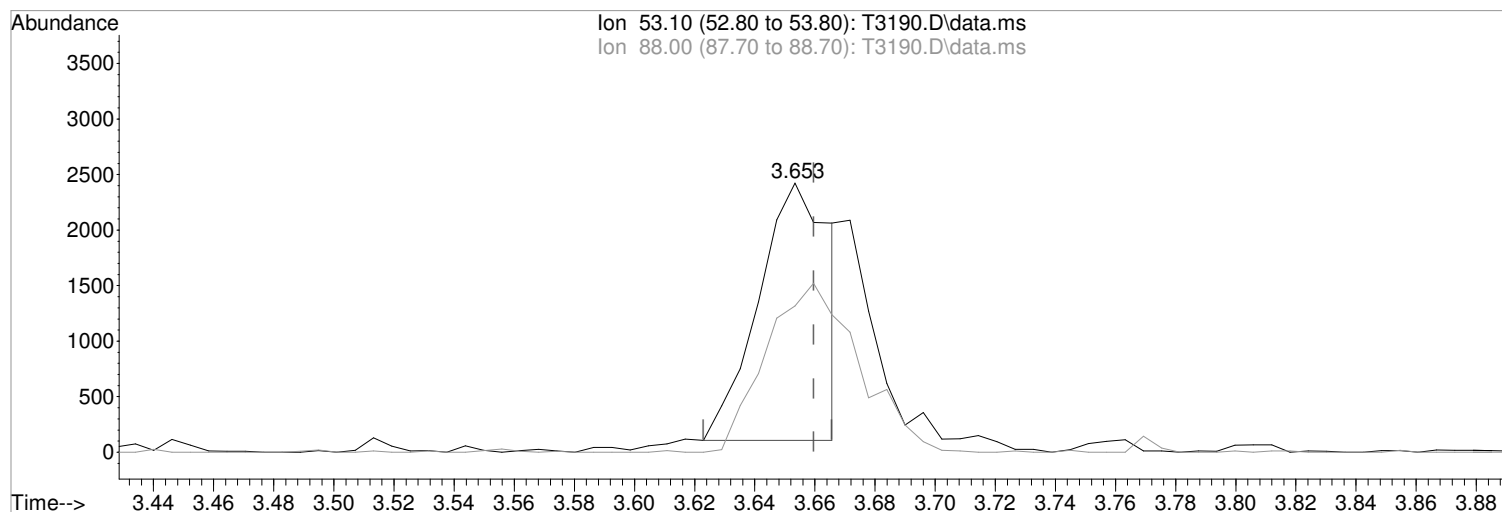
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3190.D
Acq On : 15 Nov 2020 1:40 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:17:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



TIC: T3190.D\data.ms

(30) 2-Chloro-1,3-Butadiene

Manual Integration:

3.653min (-0.006) 1.27 ug/L

Before

response 3811

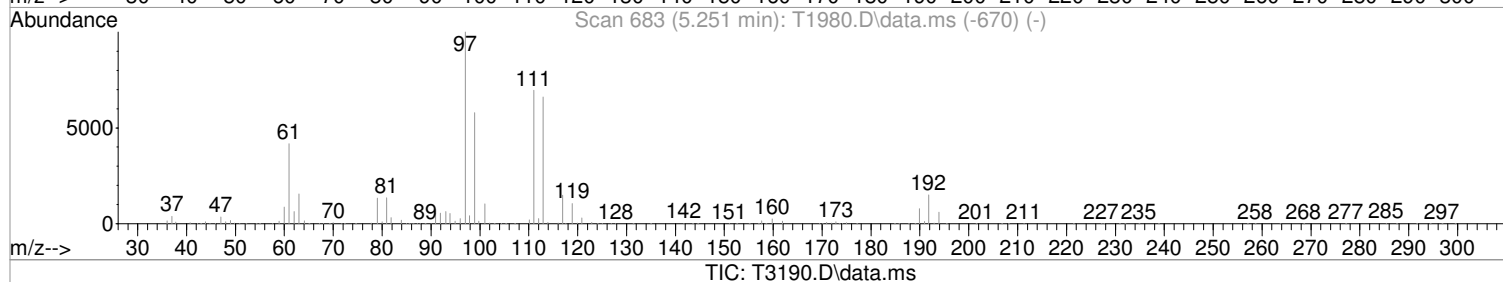
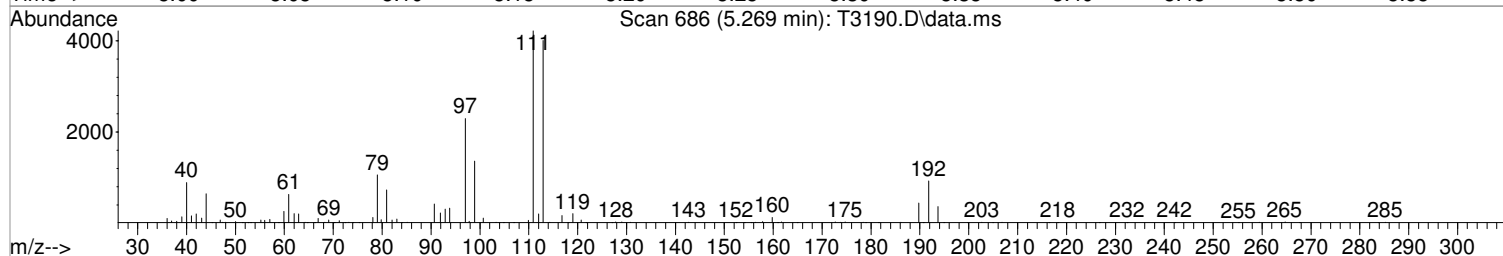
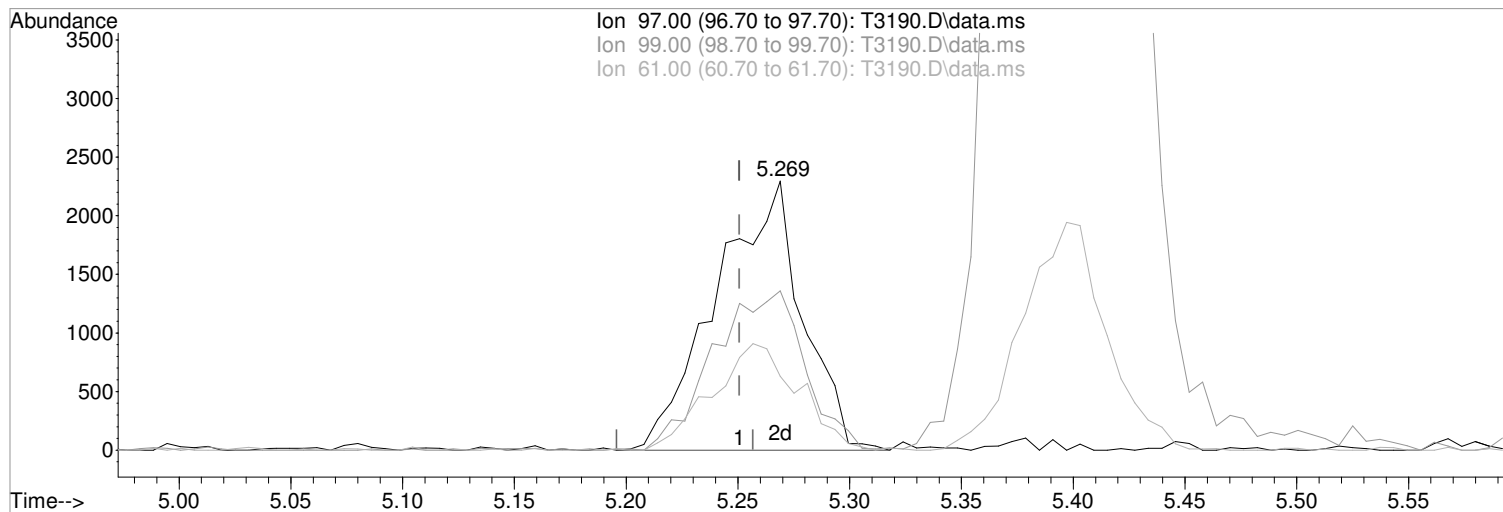
Ion	Exp%	Act%
53.10	100	100
88.00	60.30	54.42
0.00	0.00	0.00
0.00	0.00	0.00

11/18/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3190.D
Acq On : 15 Nov 2020 1:40 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:17:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



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

5.269min (+0.018) 2.07 ug/L m

response 6176

Ion	Exp%	Act%
97.00	100	100
99.00	58.00	59.26
61.00	41.80	27.49
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

11/18/20

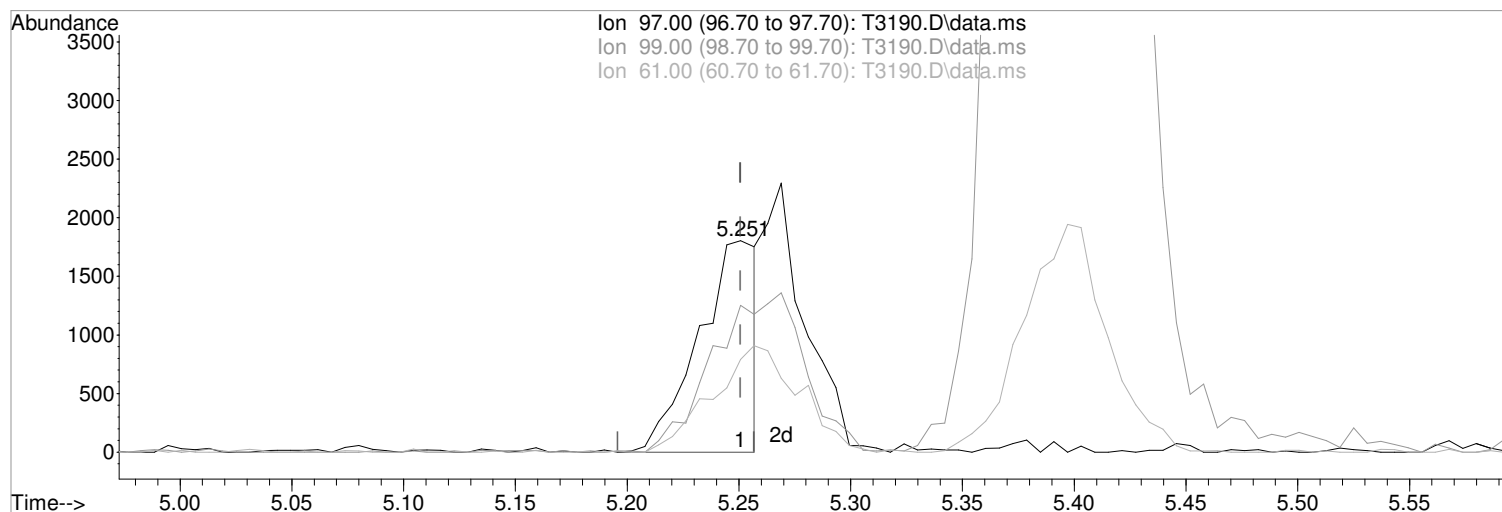
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3190.D
Acq On : 15 Nov 2020 1:40 pm
Operator : F.NAEGLER
Sample : 2 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:17:18 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3190.D
 Acq On : 15 Nov 2020 1:40 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:18:57 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	207090	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	298614	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	267104	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	136245	50.00	ug/L	0.00

System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	20514	11.31	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	22.62%#	
46) surr1,1,2-dichloroetha...	5.793	65	27640	12.83	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	25.66%#	
64) SURR3,Toluene-d8	8.317	98	85374	12.25	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	24.50%#	
69) SURR2,BFB	10.884	95	31223	11.36	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	22.72%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	4819	2.51	ug/L	96
3) Chloromethane	1.282	50	6365	2.37	ug/L	98
4) Vinyl Chloride	1.355	62	5837	2.36	ug/L	93
5) Bromomethane	1.581	94	4946	2.52	ug/L	91
6) Chloroethane	1.660	64	3338	2.42	ug/L	84
7) Freon 21	1.812	67	7436	2.11	ug/L	93
8) Trichlorofluoromethane	1.861	101	5791	1.89	ug/L	97
9) Diethyl Ether	2.099	59	3645	1.76	ug/L	86
10) Freon 123a	2.099	67	5027	2.14	ug/L	88
11) Freon 123	2.154	83	5719	2.28	ug/L	87
12) Acrolein	2.196	56	5544	9.90	ug/L	90
13) 1,1-Dicethene	2.288	96	2769	1.80	ug/L	96
14) Freon 113	2.288	101	3633	1.93	ug/L	92
15) Acetone	2.337	43	3633	3.57	ug/L	98
16) 2-Propanol	2.465	45	9959	46.41	ug/L	92
17) Iodomethane	2.416	142	3733	1.48	ug/L	94
18) Carbon Disulfide	2.483	76	9926	1.93	ug/L	98
19) Acetonitrile	2.587	41	3876	10.19	ug/L #	63
20) Allyl Chloride	2.611	76	2032m	1.79	ug/L	
21) Methyl Acetate	2.648	43	4226	1.81	ug/L	94
22) Methylene Chloride	2.739	84	4411	2.23	ug/L	95
23) TBA	2.867	59	17459	48.65	ug/L	92
24) Acrylonitrile	2.995	53	11795	10.64	ug/L	98
25) Methyl-t-Butyl Ether	3.038	73	13663	2.16	ug/L	98
26) trans-1,2-Dichloroethene	3.038	96	3153	1.91	ug/L	92
27) 1,1-Dicethane	3.531	63	6963	1.94	ug/L	93
28) Vinyl Acetate	3.635	86	397m	1.02	ug/L	
29) DIPE	3.666	45	14437	2.04	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.653	53	5957m	1.98	ug/L	
31) ETBE	4.190	59	13089	2.14	ug/L	85
32) 2,2-Dichloropropane	4.373	77	6027	2.07	ug/L	89
33) cis-1,2-Dichloroethene	4.379	96	4278	2.02	ug/L	99
34) 2-Butanone	4.434	43	4479	2.98	ug/L	85
35) Propionitrile	4.513	54	5141	11.29	ug/L	62
36) Bromochloromethane	4.775	130	2868	2.08	ug/L	92
37) Methacrylonitrile	4.781	67	2613	2.40	ug/L	90
38) Tetrahydrofuran	4.873	42	7662	2.82	ug/L	94
39) Chloroform	4.958	83	7105	2.26	ug/L	95
40) 1,1,1-Trichloroethane	5.269	97	6176m	2.07	ug/L	

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3190.D
 Acq On : 15 Nov 2020 1:40 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:18:57 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	3745	2.09	ug/L	83
44) Carbontetrachloride	5.549	117	5099	2.32	ug/L	88
45) 1,1-Dichloropropene	5.549	75	5018	2.10	ug/L	84
47) Benzene	5.872	78	15230	2.13	ug/L	95
48) 1,2-Dichloroethane	5.915	62	6089	2.31	ug/L	85
49) Iso-Butyl Alcohol	5.891	43	9033	57.92	ug/L	94
50) TAME	6.110	73	12697	2.33	ug/L	96
51) n-Heptane	6.360	43	5633	2.24	ug/L	95
52) 1-Butanol	6.854	56	10838	137.16	ug/L	94
53) Trichloroethene	6.817	130	4073	2.23	ug/L #	80
54) Methylcyclohexane	7.055	55	4896	2.23	ug/L	84
55) 1,2-Dicloropropane	7.098	63	4138	2.01	ug/L	94
56) Dibromomethane	7.256	93	2620	1.94	ug/L	98
57) 1,4-Dioxane	7.305	88	1710	45.38	ug/L	77
58) Methyl Methacrylate	7.336	69	3358	2.03	ug/L #	79
59) Bromodichloromethane	7.476	83	5250	2.03	ug/L	95
60) 2-Nitropropane	7.762	41	3381	5.28	ug/L	87
61) 2-Chloroethylvinyl Ether	7.884	63	3121	3.36	ug/L	100
62) cis-1,3-Dichloropropene	8.018	75	6092	1.99	ug/L	88
63) 4-Methyl-2-pentanone	8.226	43	6810	2.45	ug/L	92
65) Toluene	8.390	91	15837	2.26	ug/L	99
66) trans-1,3-Dichloropropene	8.659	75	5745	1.95	ug/L	91
67) Ethyl Methacrylate	8.805	69	6313	2.28	ug/L	99
68) 1,1,2-Trichloroethane	8.848	97	3774	2.04	ug/L	97
71) Tetrachloroethene	8.988	164	3094	2.19	ug/L #	78
72) 2-Hexanone	9.140	43	4355	2.27	ug/L	100
73) 1,3-Dichloropropane	9.018	76	6789	2.30	ug/L	83
74) Dibromochloromethane	9.244	129	3821	2.22	ug/L	94
75) N-Butyl Acetate	9.293	43	9086	2.44	ug/L	97
76) 1,2-Dibromoethane	9.341	107	4145	2.19	ug/L	87
77) 3-Chlorobenzotrifluoride	9.853	180	5816	2.27	ug/L	96
78) Chlorobenzene	9.835	112	10018	2.09	ug/L	91
79) 4-Chlorobenzotrifluoride	9.902	180	5501	2.56	ug/L	84
80) 1,1,1,2-Tetrachloroethane	9.921	131	3968	2.28	ug/L	88
81) Ethylbenzene	9.951	106	5089	2.05	ug/L #	87
82) (m+p)Xylene	10.067	106	12571	4.12	ug/L	87
83) o-Xylene	10.427	106	6649	2.11	ug/L	94
84) Styrene	10.439	104	10743	2.08	ug/L	93
85) Bromoform	10.591	173	2826	1.90	ug/L	96
86) 2-Chlorobenzotrifluoride	10.670	180	5299	2.15	ug/L	85
87) Isopropylbenzene	10.762	105	16851	2.21	ug/L	94
88) Cyclohexanone	10.823	55	22349	57.38	ug/L	97
89) trans-1,4-Dichloro-2-B...	11.067	53	1825	2.67	ug/L #	80
91) 1,1,2,2-Tetrachloroethane	11.018	83	6314	2.57	ug/L	98
92) Bromobenzene	11.006	156	4764	2.29	ug/L	93
93) 1,2,3-Trichloropropane	11.048	110	1918	2.89	ug/L	87
94) n-Propylbenzene	11.115	91	19122	2.52	ug/L	98
95) 2-Chlorotoluene	11.176	91	12822	2.60	ug/L	98
96) 3-Chlorotoluene	11.231	91	12298	2.23	ug/L	95
97) 4-Chlorotoluene	11.274	91	13844	2.30	ug/L	98
98) 1,3,5-Trimethylbenzene	11.268	105	13684	2.31	ug/L	96
99) tert-Butylbenzene	11.536	119	11444	2.25	ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	13731	2.55	ug/L	94
101) 3,4-Dichlorobenzotrifl...	11.640	214	4875	2.44	ug/L	95
102) sec-Butylbenzene	11.719	105	17552	2.36	ug/L	95
103) p-Isopropyltoluene	11.841	119	14608	2.62	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3190.D
 Acq On : 15 Nov 2020 1:40 pm
 Operator : F.NAEGLER
 Sample : 2 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:18:57 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

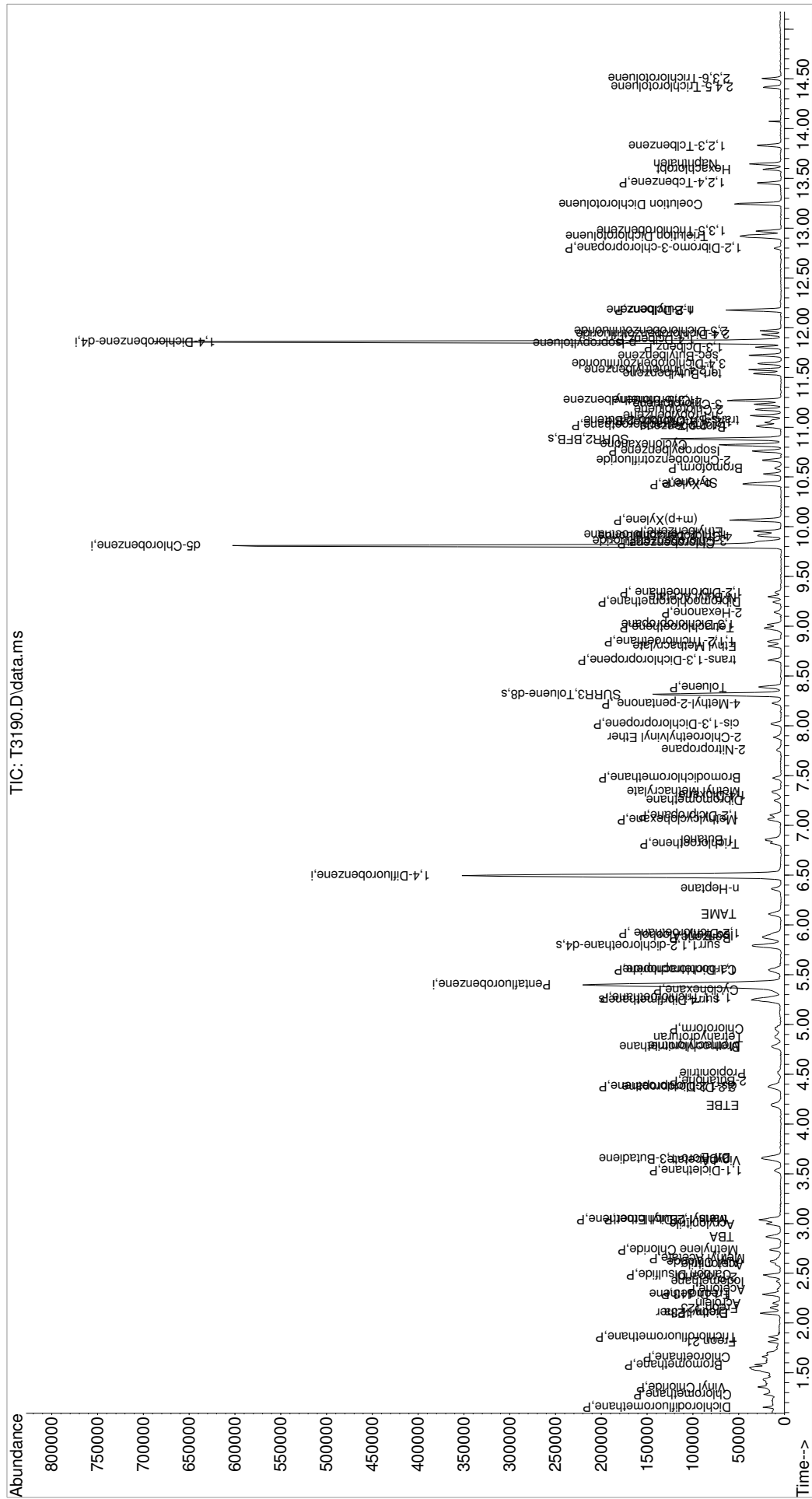
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	8750	2.56	ug/L	91
105) 1,4-Dclbenz	11.877	146	9033	2.52	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.932	214	4148	2.36	ug/L	90
107) 2,5-Dichlorobenzotrifl...	11.969	214	4550	2.27	ug/L	97
108) n-Butylbenzene	12.176	91	13356	2.56	ug/L	93
109) 1,2-Dclbenz	12.176	146	8815	2.35	ug/L	92
110) 1,2-Dibromo-3-chloropr...	12.798	157	1411	2.21	ug/L	92
111) Trielution Dichlorotol...	12.920	125	21677	7.09	ug/L	92
112) 1,3,5-Trichlorobenzene	12.975	180	6313	2.32	ug/L	93
113) Coelution Dichlorotoluene	13.243	125	15981	4.71	ug/L	94
114) 1,2,4-Tcbenzene	13.456	180	6405	2.40	ug/L #	83
115) Hexachlorobt	13.591	225	2740	2.46	ug/L	88
116) Naphthalen	13.645	128	20388	3.01	ug/L	96
117) 1,2,3-Tclbenzene	13.828	180	6745	2.60	ug/L #	82
118) 2,4,5-Trichlorotoluene	14.420	159	3751	2.29	ug/L	84
119) 2,3,6-Trichlorotoluene	14.505	159	3673	2.44	ug/L	96

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

(QT Reviewed)

Inst : MSVOA10

Quant Time: Nov 18 09:18:57 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3191.D
 Acq On : 15 Nov 2020 2:02 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:19:48 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	218401	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	314678	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	283949	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	147011	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	20402	10.67	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	21.34%#	
46) surr1,1,2-dichloroetha...	5.793	65	26613	11.72	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	23.44%#	
64) SURR3,Toluene-d8	8.317	98	83376	11.35	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	22.70%#	
69) SURR2,BFB	10.884	95	28148	9.72	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	19.44%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	12894	6.36	ug/L	95
3) Chloromethane	1.282	50	15537	5.49	ug/L	96
4) Vinyl Chloride	1.355	62	15820	6.07	ug/L	99
5) Bromomethane	1.581	94	11658	5.63	ug/L	99
6) Chloroethane	1.660	64	8727	6.00	ug/L	90
7) Freon 21	1.812	67	18849	5.06	ug/L	94
8) Trichlorofluoromethane	1.855	101	15439	4.79	ug/L	88
9) Diethyl Ether	2.093	59	10084	4.61	ug/L	88
10) Freon 123a	2.099	67	12888	5.20	ug/L	96
11) Freon 123	2.154	83	13473	5.10	ug/L	94
12) Acrolein	2.196	56	13279	22.49	ug/L	93
13) 1,1-Dicethene	2.282	96	7721	4.75	ug/L	95
14) Freon 113	2.288	101	9509	4.80	ug/L	94
15) Acetone	2.330	43	6959	6.49	ug/L	95
16) 2-Propanol	2.465	45	26745	118.18	ug/L	95
17) Iodomethane	2.416	142	10639	3.99	ug/L	96
18) Carbon Disulfide	2.477	76	25896	4.77	ug/L	99
19) Acetonitrile	2.586	41	11575	28.86	ug/L	85
20) Allyl Chloride	2.617	76	5502	4.59	ug/L	# 87
21) Methyl Acetate	2.647	43	9937	4.05	ug/L	95
22) Methylene Chloride	2.739	84	11041	5.30	ug/L	96
23) TBA	2.867	59	43417	114.72	ug/L	99
24) Acrylonitrile	2.995	53	29685	25.38	ug/L	98
25) Methyl-t-Butyl Ether	3.044	73	34990	5.25	ug/L	95
26) trans-1,2-Dichloroethene	3.032	96	8755	5.03	ug/L	96
27) 1,1-Dicethane	3.531	63	19735	5.21	ug/L	99
28) Vinyl Acetate	3.623	86	1616	3.94	ug/L	# 45
29) DIPE	3.659	45	38020	5.09	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.659	53	15426	4.86	ug/L	92
31) ETBE	4.190	59	34841	5.39	ug/L	95
32) 2,2-Dichloropropane	4.367	77	16383	5.34	ug/L	93
33) cis-1,2-Dichloroethene	4.379	96	11250	5.05	ug/L	89
34) 2-Butanone	4.428	43	9157	5.77	ug/L	89
35) Propionitrile	4.513	54	12578	26.19	ug/L	93
36) Bromochloromethane	4.775	130	6982	4.81	ug/L	90
37) Methacrylonitrile	4.775	67	5852	5.11	ug/L	93
38) Tetrahydrofuran	4.873	42	9886	3.45	ug/L	84
39) Chloroform	4.958	83	18651	5.64	ug/L	94
40) 1,1,1-Trichloroethane	5.251	97	15288	4.86	ug/L	90

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3191.D
 Acq On : 15 Nov 2020 2:02 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:19:48 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	10795	5.73	ug/L	92
44) Carbontetrachloride	5.537	117	12201	5.26	ug/L	87
45) 1,1-Dichloropropene	5.549	75	13372	5.30	ug/L	94
47) Benzene	5.872	78	41893	5.56	ug/L	95
48) 1,2-Dichloroethane	5.903	62	15593	5.61	ug/L	95
49) Iso-Butyl Alcohol	5.885	43	19503	118.66	ug/L	87
50) TAME	6.110	73	32171	5.60	ug/L	98
51) n-Heptane	6.360	43	14133	5.33	ug/L	96
52) 1-Butanol	6.854	56	27378	328.79	ug/L	99
53) Trichloroethene	6.823	130	10667	5.53	ug/L	96
54) Methylcyclohexane	7.061	55	12662	5.47	ug/L	92
55) 1,2-Dicloropropane	7.098	63	11037	5.08	ug/L	96
56) Dibromomethane	7.244	93	7268	5.10	ug/L	86
57) 1,4-Dioxane	7.311	88	4393	110.62	ug/L	91
58) Methyl Methacrylate	7.342	69	9684	5.56	ug/L	98
59) Bromodichloromethane	7.470	83	14256	5.24	ug/L	97
60) 2-Nitropropane	7.756	41	8238	12.22	ug/L	100
61) 2-Chloroethylvinyl Ether	7.884	63	7820	7.98	ug/L	78
62) cis-1,3-Dichloropropene	8.018	75	17039	5.29	ug/L	94
63) 4-Methyl-2-pentanone	8.226	43	16618	5.68	ug/L	93
65) Toluene	8.390	91	43405	5.88	ug/L	95
66) trans-1,3-Dichloropropene	8.658	75	16103	5.20	ug/L	93
67) Ethyl Methacrylate	8.799	69	16479	5.64	ug/L	99
68) 1,1,2-Trichloroethane	8.847	97	9990	5.13	ug/L	91
71) Tetrachloroethene	8.982	164	8449	5.63	ug/L	91
72) 2-Hexanone	9.140	43	11874	5.82	ug/L	92
73) 1,3-Dichloropropane	9.018	76	17674	5.62	ug/L	96
74) Dibromochloromethane	9.238	129	10069	5.51	ug/L	93
75) N-Butyl Acetate	9.293	43	24622	6.21	ug/L	99
76) 1,2-Dibromoethane	9.341	107	10310	5.13	ug/L	98
77) 3-Chlorobenzotrifluoride	9.853	180	15192	5.58	ug/L	96
78) Chlorobenzene	9.835	112	28247	5.54	ug/L	94
79) 4-Chlorobenzotrifluoride	9.908	180	13852	6.06	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.920	131	10112	5.47	ug/L	94
81) Ethylbenzene	9.957	106	14162	5.35	ug/L	98
82) (m+p)Xylene	10.067	106	34655	10.68	ug/L	88
83) o-Xylene	10.426	106	17750	5.30	ug/L	95
84) Styrene	10.439	104	30417	5.54	ug/L	100
85) Bromoform	10.591	173	7182	4.53	ug/L	98
86) 2-Chlorobenzotrifluoride	10.670	180	14987	5.72	ug/L	94
87) Isopropylbenzene	10.762	105	44651	5.51	ug/L	98
88) Cyclohexanone	10.823	55	51099	123.40	ug/L	97
89) trans-1,4-Dichloro-2-B...	11.067	53	4375	6.03	ug/L	89
91) 1,1,2,2-Tetrachloroethane	11.018	83	15927	6.01	ug/L	95
92) Bromobenzene	11.006	156	12891	5.73	ug/L #	88
93) 1,2,3-Trichloropropane	11.048	110	4381	6.13	ug/L #	83
94) n-Propylbenzene	11.115	91	53373	6.51	ug/L	97
95) 2-Chlorotoluene	11.176	91	33290	6.26	ug/L	99
96) 3-Chlorotoluene	11.231	91	33858	5.69	ug/L	98
97) 4-Chlorotoluene	11.268	91	37379	5.75	ug/L	97
98) 1,3,5-Trimethylbenzene	11.268	105	38114	5.96	ug/L	99
99) tert-Butylbenzene	11.542	119	32332	5.89	ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	37679	6.49	ug/L	94
101) 3,4-Dichlorobenzotrifl...	11.640	214	11629	5.39	ug/L	93
102) sec-Butylbenzene	11.725	105	47113	5.87	ug/L	99
103) p-Isopropyltoluene	11.841	119	39254	6.51	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3191.D
 Acq On : 15 Nov 2020 2:02 pm
 Operator : F.NAEGLER
 Sample : 5 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:19:48 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	23800	6.46	ug/L	97
105) 1,4-Dclbenz	11.877	146	23797	6.16	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.932	214	11005	5.80	ug/L	93
107) 2,5-Dichlorobenzotrifl...	11.969	214	12797	5.91	ug/L	98
108) n-Butylbenzene	12.176	91	38006	6.75	ug/L	92
109) 1,2-Dclbenz	12.176	146	23125	5.71	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.798	157	3310	4.81	ug/L #	82
111) Trielution Dichlorotol...	12.920	125	59482	18.04	ug/L	95
112) 1,3,5-Trichlorobenzene	12.969	180	17607	5.98	ug/L	98
113) Coelution Dichlorotoluene	13.243	125	43379	11.86	ug/L	95
114) 1,2,4-Tcbenzene	13.456	180	17220	5.98	ug/L	96
115) Hexachlorobt	13.590	225	6817	5.67	ug/L	93
116) Naphthalen	13.645	128	52176	7.14	ug/L	95
117) 1,2,3-Tclbenzene	13.834	180	17219	6.16	ug/L	96
118) 2,4,5-Trichlorotoluene	14.420	159	10693	6.04	ug/L	94
119) 2,3,6-Trichlorotoluene	14.505	159	9732	5.99	ug/L	85

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

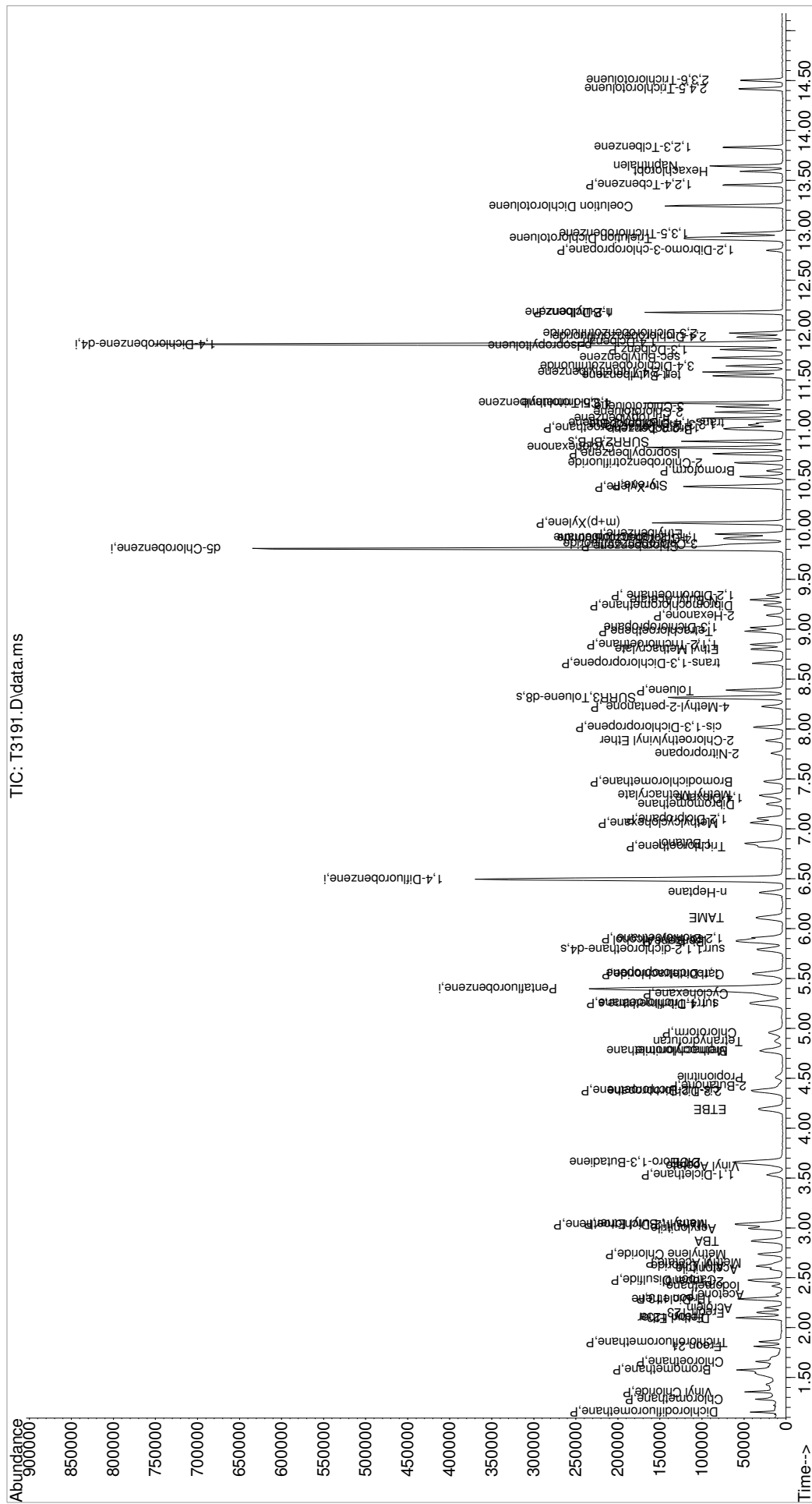
Quantitation Report (QT Reviewed)

Data Path	:	I:\ACQUDATA\msvoa10\data\111520\
Data File	:	T3191.D
Acq On	:	15 Nov 2020 2:02 pm
Operator	:	F.NAEGLER
Sample	:	5 PPB STD
Misc	:	
ALS Vial	:	5 Sample Multiplier: 1

Inst : MSVOA10

ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 18 09:19:48 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3192.D
 Acq On : 15 Nov 2020 2:24 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:21:32 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	220639	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	321984	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	289028	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	151885	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	37288	19.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery =	38.14%#		
46) surr1,1,2-dichloroetha...	5.793	65	49426	21.28	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	42.56%#		
64) SURR3,Toluene-d8	8.317	98	147417	19.61	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	39.22%#		
69) SURR2,BFB	10.884	95	54099	18.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	36.52%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	45766	22.33	ug/L	95
3) Chloromethane	1.282	50	57682	20.17	ug/L	99
4) Vinyl Chloride	1.355	62	55047	20.91	ug/L	99
5) Bromomethane	1.580	94	36538	17.46	ug/L	93
6) Chloroethane	1.660	64	29962	20.38	ug/L	94
7) Freon 21	1.812	67	56517	15.02	ug/L	97
8) Trichlorofluoromethane	1.861	101	47693	14.64	ug/L	92
9) Diethyl Ether	2.099	59	38847	17.57	ug/L	94
10) Freon 123a	2.099	67	33333	13.31	ug/L	81
11) Freon 123	2.154	83	38436	14.40	ug/L	95
12) Acrolein	2.196	56	51968	87.12	ug/L	98
13) 1,1-Dicethene	2.288	96	25969	15.82	ug/L #	83
14) Freon 113	2.294	101	27695	13.83	ug/L	89
15) Acetone	2.330	43	25499	23.53	ug/L	94
16) 2-Propanol	2.464	45	112346	491.38	ug/L	99
17) Iodomethane	2.416	142	35008	12.99	ug/L	97
18) Carbon Disulfide	2.483	76	57616	10.51	ug/L	100
19) Acetonitrile	2.580	41	48956	120.82	ug/L	96
20) Allyl Chloride	2.623	76	18953	15.64	ug/L	96
21) Methyl Acetate	2.641	43	44096	17.77	ug/L	95
22) Methylene Chloride	2.739	84	40014	19.01	ug/L	90
23) TBA	2.867	59	185442	485.03	ug/L	97
24) Acrylonitrile	2.989	53	128697	108.93	ug/L	97
25) Methyl-t-Butyl Ether	3.044	73	143904	21.35	ug/L	98
26) trans-1,2-Dichloroethene	3.031	96	30654	17.44	ug/L	95
27) 1,1-Dicethane	3.531	63	68277	17.84	ug/L	99
28) Vinyl Acetate	3.623	86	6289	15.16	ug/L #	80
29) DIPE	3.659	45	137544	18.24	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.653	53	33492	10.45	ug/L	91
31) ETBE	4.190	59	127473	19.52	ug/L	97
32) 2,2-Dichloropropane	4.367	77	50919	16.42	ug/L	95
33) cis-1,2-Dichloroethene	4.379	96	40130	17.82	ug/L	88
34) 2-Butanone	4.427	43	34747	21.69	ug/L	89
35) Propionitrile	4.507	54	52840	108.93	ug/L	92
36) Bromochloromethane	4.775	130	28165	19.20	ug/L	91
37) Methacrylonitrile	4.775	67	25898	22.37	ug/L #	83
38) Tetrahydrofuran	4.873	42	26985	9.32	ug/L	98
39) Chloroform	4.958	83	65811	19.69	ug/L	99
40) 1,1,1-Trichloroethane	5.263	97	49410	15.56	ug/L	96

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3192.D
 Acq On : 15 Nov 2020 2:24 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:21:32 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	29600	15.35	ug/L	92
44) Carbontetrachloride	5.537	117	40036	16.87	ug/L	99
45) 1,1-Dichloropropene	5.549	75	42198	16.35	ug/L	99
47) Benzene	5.866	78	144374	18.71	ug/L	98
48) 1,2-Dichloroethane	5.903	62	60112	21.12	ug/L	98
49) Iso-Butyl Alcohol	5.885	43	85886	510.71	ug/L	92
50) TAME	6.110	73	124174	21.11	ug/L	97
51) n-Heptane	6.360	43	38619	14.23	ug/L	95
52) 1-Butanol	6.848	56	122239	1434.70	ug/L	99
53) Trichloroethene	6.823	130	35390	17.94	ug/L	96
54) Methylcyclohexane	7.061	55	36881	15.57	ug/L	95
55) 1,2-Dicloropropane	7.104	63	40133	18.06	ug/L	99
56) Dibromomethane	7.250	93	29261	20.06	ug/L	99
57) 1,4-Dioxane	7.305	88	18591	457.52	ug/L	99
58) Methyl Methacrylate	7.335	69	40438	22.68	ug/L	93
59) Bromodichloromethane	7.476	83	51801	18.61	ug/L	95
60) 2-Nitropropane	7.756	41	32710	47.41	ug/L	87
61) 2-Chloroethylvinyl Ether	7.884	63	29696	29.62	ug/L	93
62) cis-1,3-Dichloropropene	8.018	75	66468	20.17	ug/L	99
63) 4-Methyl-2-pentanone	8.226	43	63467	21.22	ug/L	96
65) Toluene	8.390	91	145184	19.22	ug/L	98
66) trans-1,3-Dichloropropene	8.658	75	65138	20.55	ug/L	98
67) Ethyl Methacrylate	8.799	69	71076	23.77	ug/L	100
68) 1,1,2-Trichloroethane	8.847	97	41016	20.59	ug/L	94
71) Tetrachloroethene	8.981	164	26085	17.08	ug/L	97
72) 2-Hexanone	9.140	43	48060	23.14	ug/L	95
73) 1,3-Dichloropropane	9.018	76	69449	21.71	ug/L	99
74) Dibromochloromethane	9.244	129	39203	21.07	ug/L	95
75) N-Butyl Acetate	9.292	43	99025	24.54	ug/L	98
76) 1,2-Dibromoethane	9.341	107	43418	21.24	ug/L	94
77) 3-Chlorobenzotrifluoride	9.853	180	49620	17.89	ug/L	97
78) Chlorobenzene	9.835	112	96443	18.60	ug/L	97
79) 4-Chlorobenzotrifluoride	9.908	180	44969	19.33	ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.920	131	37164	19.74	ug/L	94
81) Ethylbenzene	9.957	106	46361	17.22	ug/L	95
82) (m+p)Xylene	10.067	106	115495	34.98	ug/L	96
83) o-Xylene	10.426	106	59949	17.58	ug/L	94
84) Styrene	10.438	104	110312	19.75	ug/L	99
85) Bromoform	10.591	173	29914	18.55	ug/L	89
86) 2-Chlorobenzotrifluoride	10.670	180	50347	18.89	ug/L	97
87) Isopropylbenzene	10.762	105	141974	17.21	ug/L	99
88) Cyclohexanone	10.823	55	241106	572.04	ug/L	98
89) trans-1,4-Dichloro-2-B...	11.066	53	18839	25.50	ug/L	82
91) 1,1,2,2-Tetrachloroethane	11.018	83	67286	24.58	ug/L	93
92) Bromobenzene	11.005	156	47060	20.26	ug/L	93
93) 1,2,3-Trichloropropane	11.048	110	18941	25.64	ug/L #	89
94) n-Propylbenzene	11.115	91	167473	19.78	ug/L	94
95) 2-Chlorotoluene	11.176	91	110606	20.14	ug/L	96
96) 3-Chlorotoluene	11.231	91	114321	18.60	ug/L	99
97) 4-Chlorotoluene	11.268	91	126303	18.81	ug/L	98
98) 1,3,5-Trimethylbenzene	11.268	105	121061	18.32	ug/L	98
99) tert-Butylbenzene	11.542	119	99248	17.51	ug/L	98
100) 1,2,4-Trimethylbenzene	11.579	105	128354	21.40	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.639	214	42483	19.06	ug/L	99
102) sec-Butylbenzene	11.719	105	143212	17.26	ug/L	96
103) p-Isopropyltoluene	11.841	119	122577	19.68	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3192.D
 Acq On : 15 Nov 2020 2:24 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:21:32 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	83210	21.87	ug/L	98
105) 1,4-Dclbenz	11.877	146	85804	21.50	ug/L	100
106) 2,4-Dichlorobenzotrifl...	11.932	214	39073	19.94	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.969	214	43388	19.39	ug/L	98
108) n-Butylbenzene	12.176	91	113164	19.44	ug/L	99
109) 1,2-Dclbenz	12.176	146	87961	21.04	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.798	157	16295	22.93	ug/L	91
111) Trielution Dichlorotol...	12.914	125	212423	62.35	ug/L	96
112) 1,3,5-Trichlorobenzene	12.969	180	63925	21.03	ug/L	98
113) Coelution Dichlorotoluene	13.243	125	159416	42.19	ug/L	97
114) 1,2,4-Tcbenzene	13.456	180	64745	21.77	ug/L	98
115) Hexachlorobt	13.590	225	21426	17.24	ug/L	98
116) Naphthalen	13.645	128	225449	29.87	ug/L	96
117) 1,2,3-Tclbenzene	13.834	180	68169	23.60	ug/L	97
118) 2,4,5-Trichlorotoluene	14.419	159	43892	23.99	ug/L	96
119) 2,3,6-Trichlorotoluene	14.505	159	38174	22.74	ug/L	90

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

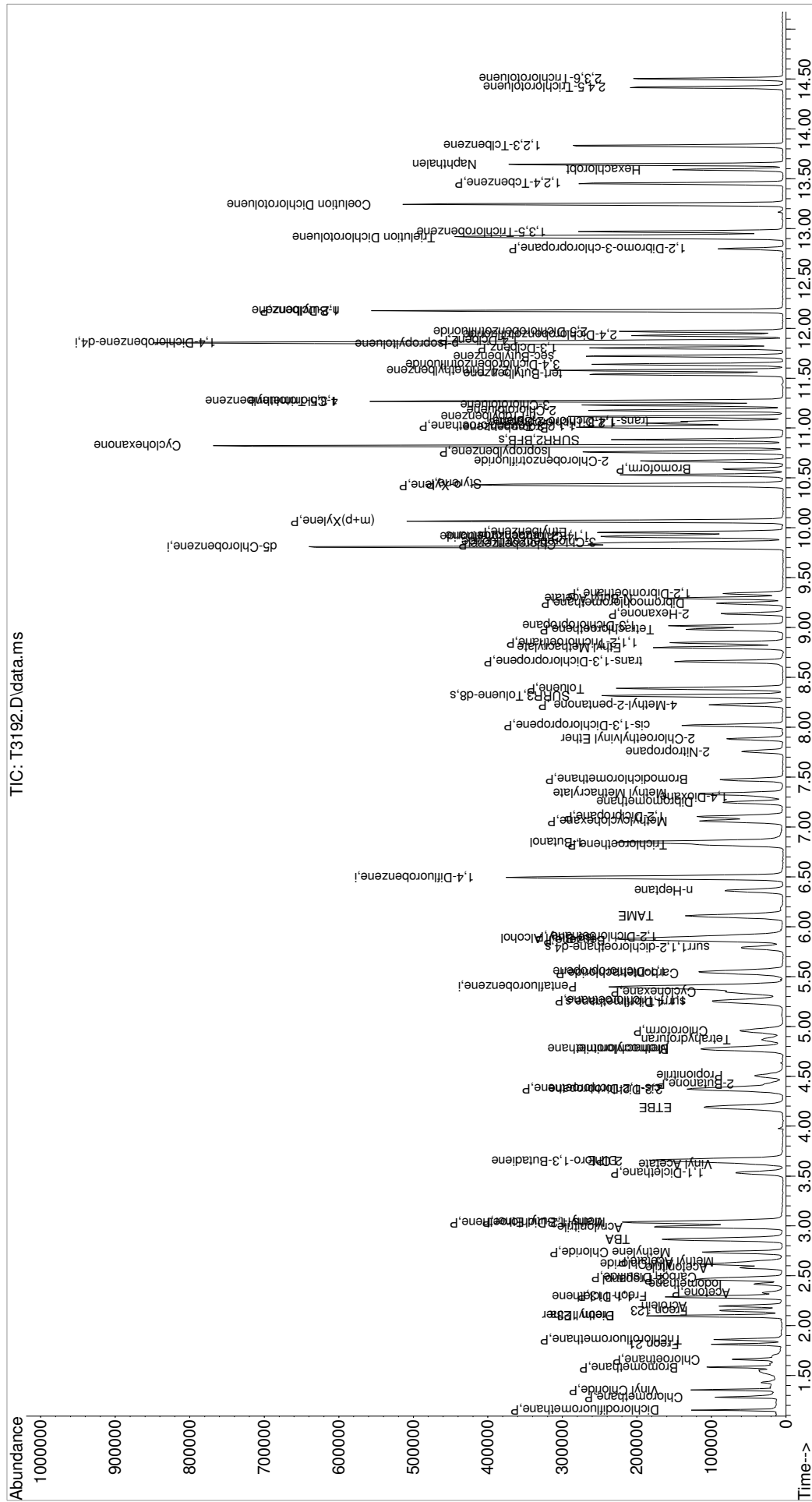
Quantitation Report (QT Reviewed)

Data Path	:	I:\ACQUDATA\msvoa10\data\1111520\
Data File	:	T3192.D
Acq On	:	15 Nov 2020 2:24 pm
Operator	:	F.NAEGLER
Sample	:	20 PPB STD
Misc	:	
ALS Vial	:	6 Sample Multiplier: 1

Inst : MSVOA10

ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 09:21:32 2020
Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Sep 17 16:48:28 2020
Response via : Initial Calibration



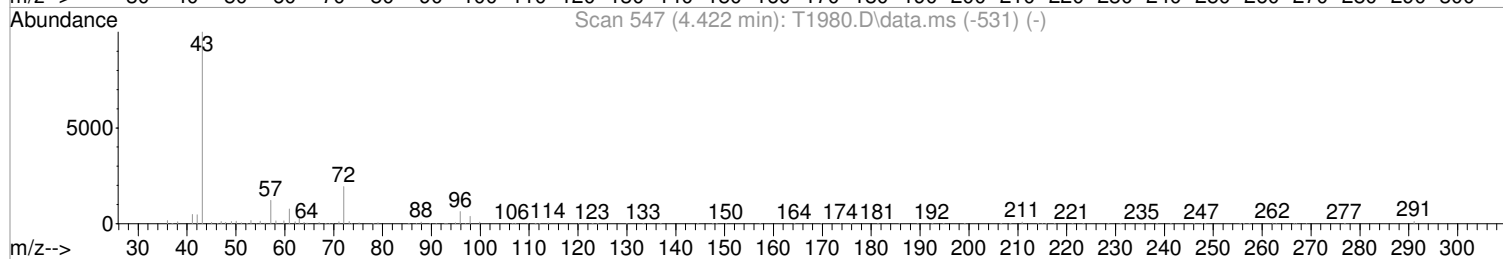
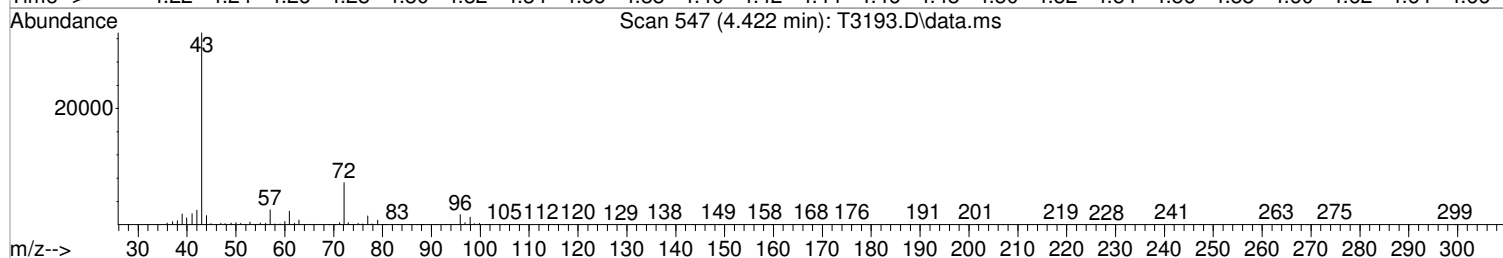
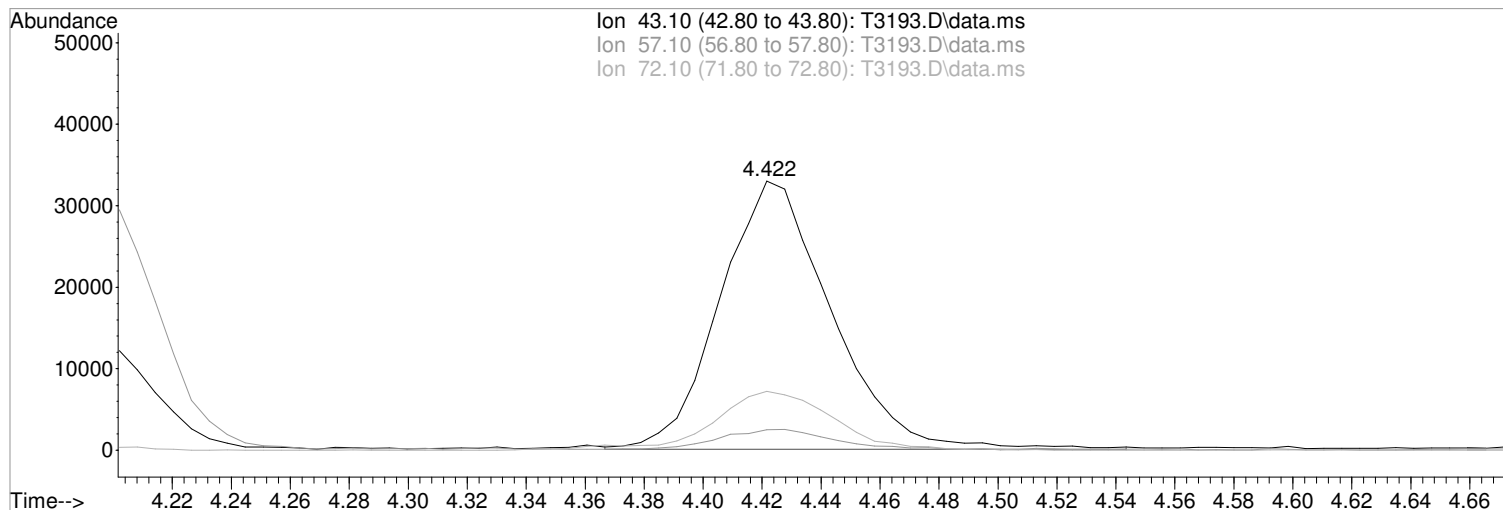
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3193.D
Acq On : 15 Nov 2020 2:46 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:22:27 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



(34) 2-Butanone (P)

4.422min (-0.000) 56.46 ug/L m

response 86555

Ion	Exp%	Act%
43.10	100	100
57.10	12.70	7.67
72.10	19.40	21.85
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

11/18/20

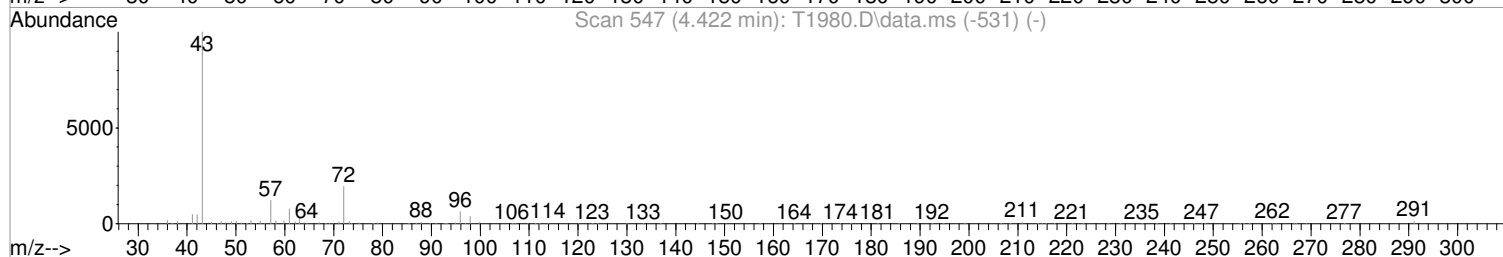
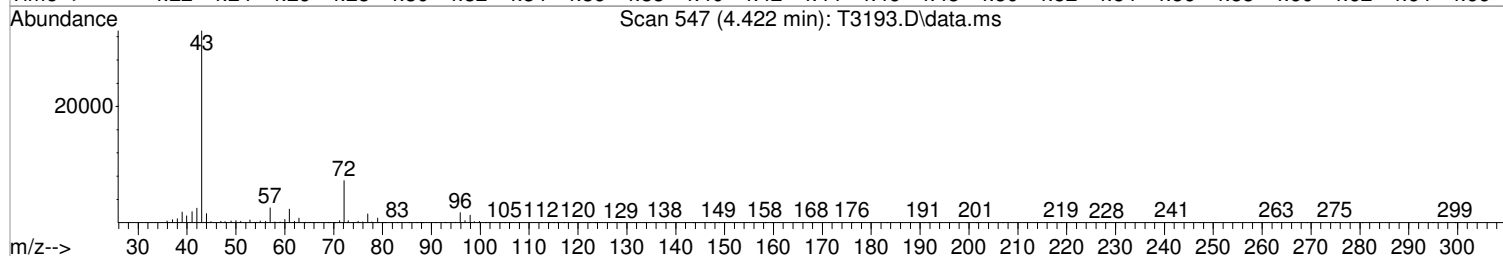
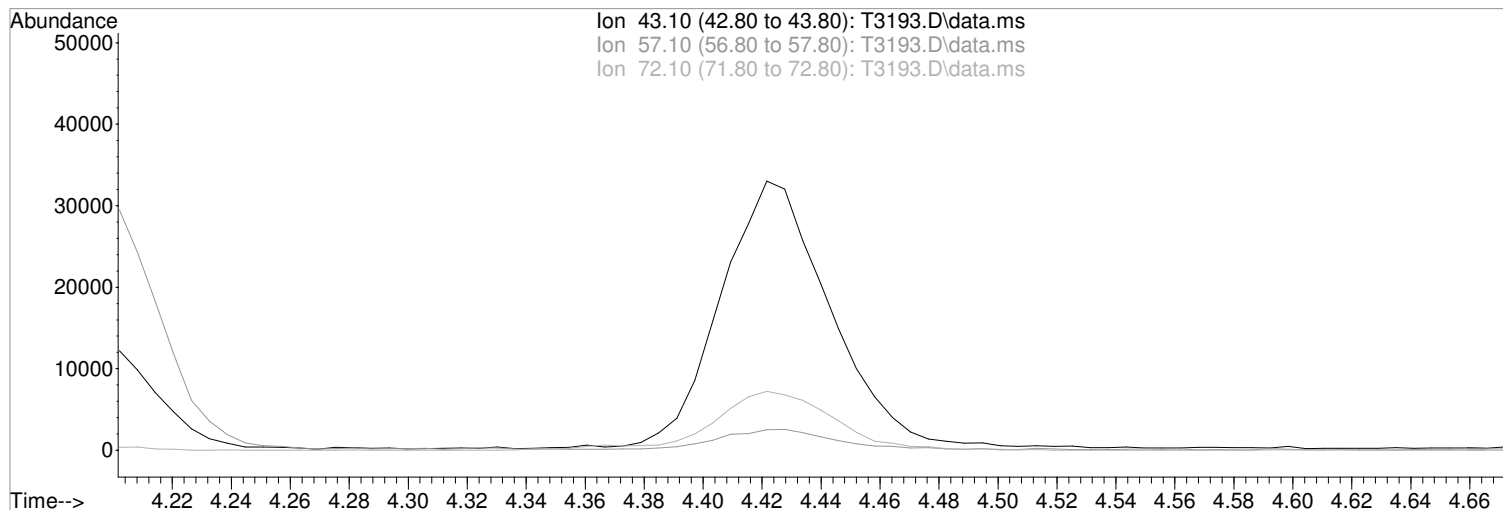
Quantitation Report (Qedit)

1st *FJ* 11/19/20
2nd *RL* 11/20/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3193.D
Acq On : 15 Nov 2020 2:46 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:22:27 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



(34) 2-Butanone (P)

Manual Integration:

4.422min (-4.422) 0.00 ug/L

Before

response 0

Ion	Exp%	Act%
43.10	100	0.00
57.10	12.70	0.00
72.10	19.40	0.00
0.00	0.00	0.00

11/18/20

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3193.D
 Acq On : 15 Nov 2020 2:46 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:23:10 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	211116	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	312683	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	280444	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	151312	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	97962	51.58	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	103.16%	
46) surr1,1,2-dichloroetha...	5.793	65	125339	55.56	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	111.12%	
64) SURR3,Toluene-d8	8.317	98	377313	51.69	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	103.38%	
69) SURR2,BFB	10.884	95	146624	50.96	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	101.92%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	136062	69.39	ug/L	98
3) Chloromethane	1.282	50	159844	58.41	ug/L	99
4) Vinyl Chloride	1.355	62	151689	60.22	ug/L	98
5) Bromomethane	1.581	94	89331	44.61	ug/L	96
6) Chloroethane	1.660	64	81671	58.06	ug/L	96
7) Freon 21	1.812	67	158533	44.03	ug/L	97
8) Trichlorofluoromethane	1.861	101	144174	46.24	ug/L	94
9) Diethyl Ether	2.099	59	96074	45.42	ug/L	89
10) Freon 123a	2.099	67	96758	40.38	ug/L	89
11) Freon 123	2.154	83	110418	43.23	ug/L	99
12) Acrolein	2.196	56	134985	236.49	ug/L	99
13) 1,1-Dicethene	2.288	96	71309	45.41	ug/L	93
14) Freon 113	2.288	101	84354	44.02	ug/L	96
15) Acetone	2.330	43	67556	65.15	ug/L	96
16) 2-Propanol	2.465	45	286168	1308.10	ug/L	100
17) Iodomethane	2.416	142	139263	53.99	ug/L	94
18) Carbon Disulfide	2.477	76	232200	44.26	ug/L	99
19) Acetonitrile	2.580	41	125329	323.25	ug/L	98
20) Allyl Chloride	2.617	76	53066	45.78	ug/L	95
21) Methyl Acetate	2.641	43	119352	50.28	ug/L	99
22) Methylene Chloride	2.739	84	102537	50.92	ug/L	91
23) TBA	2.867	59	449679	1229.21	ug/L	99
24) Acrylonitrile	2.995	53	308255	272.69	ug/L	99
25) Methyl-t-Butyl Ether	3.044	73	350282	54.32	ug/L	96
26) trans-1,2-Dichloroethene	3.032	96	84906	50.47	ug/L	98
27) 1,1-Dicethane	3.531	63	184107	50.26	ug/L	98
28) Vinyl Acetate	3.629	86	13900	35.03	ug/L	# 92
29) DIPE	3.659	45	359541	49.84	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.653	53	136857	44.61	ug/L	92
31) ETBE	4.196	59	329902	52.81	ug/L	99
32) 2,2-Dichloropropane	4.367	77	147178	49.60	ug/L	97
33) cis-1,2-Dichloroethene	4.373	96	105777	49.09	ug/L	89
34) 2-Butanone	4.422	43	86555m	56.46	ug/L	
35) Propionitrile	4.507	54	126129	271.74	ug/L	92
36) Bromochloromethane	4.775	130	71394	50.86	ug/L	# 82
37) Methacrylonitrile	4.781	67	62140	56.10	ug/L	89
38) Tetrahydrofuran	4.867	42	58841	21.24	ug/L	97
39) Chloroform	4.952	83	175296	54.81	ug/L	96
40) 1,1,1-Trichloroethane	5.257	97	146090	48.08	ug/L	96

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3193.D
 Acq On : 15 Nov 2020 2:46 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:23:10 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	84241	44.97	ug/L	92
44) Carbontetrachloride	5.537	117	120747	52.39	ug/L	97
45) 1,1-Dichloropropene	5.549	75	128057	51.08	ug/L	96
47) Benzene	5.872	78	395925	52.84	ug/L	98
48) 1,2-Dichloroethane	5.909	62	150955	54.61	ug/L	99
49) Iso-Butyl Alcohol	5.885	43	206194	1262.58	ug/L	93
50) TAME	6.110	73	314130	54.98	ug/L	98
51) n-Heptane	6.360	43	128561	48.79	ug/L	97
52) 1-Butanol	6.854	56	315006	3807.15	ug/L	97
53) Trichloroethene	6.824	130	98440	51.38	ug/L	93
54) Methylcyclohexane	7.061	55	103833	45.14	ug/L	97
55) 1,2-Dicloropropane	7.104	63	107725	49.91	ug/L	99
56) Dibromomethane	7.244	93	71139	50.21	ug/L	96
57) 1,4-Dioxane	7.305	88	46221	1171.32	ug/L	94
58) Methyl Methacrylate	7.336	69	98784	57.06	ug/L	91
59) Bromodichloromethane	7.476	83	135062	49.97	ug/L	95
60) 2-Nitropropane	7.756	41	77675	115.92	ug/L	91
61) 2-Chloroethylvinyl Ether	7.884	63	79774	81.94	ug/L	92
62) cis-1,3-Dichloropropene	8.018	75	173190	54.12	ug/L	99
63) 4-Methyl-2-pentanone	8.226	43	163908	56.43	ug/L	93
65) Toluene	8.390	91	410513	55.96	ug/L	99
66) trans-1,3-Dichloropropene	8.659	75	168417	54.71	ug/L	99
67) Ethyl Methacrylate	8.799	69	170706	58.78	ug/L	97
68) 1,1,2-Trichloroethane	8.848	97	101126	52.27	ug/L	97
71) Tetrachloroethene	8.982	164	77213	52.09	ug/L	99
72) 2-Hexanone	9.140	43	125859	62.44	ug/L	88
73) 1,3-Dichloropropane	9.018	76	173168	55.80	ug/L	99
74) Dibromochloromethane	9.244	129	102868	56.98	ug/L	99
75) N-Butyl Acetate	9.293	43	258816	66.10	ug/L	99
76) 1,2-Dibromoethane	9.341	107	108955	54.94	ug/L	94
77) 3-Chlorobenzotrifluoride	9.853	180	143256	53.24	ug/L	94
78) Chlorobenzene	9.835	112	265676	52.80	ug/L	95
79) 4-Chlorobenzotrifluoride	9.908	180	124582	55.20	ug/L	93
80) 1,1,1,2-Tetrachloroethane	9.920	131	98889	54.12	ug/L	98
81) Ethylbenzene	9.957	106	137260	52.55	ug/L	97
82) (m+p)Xylene	10.067	106	333321	104.03	ug/L	92
83) o-Xylene	10.426	106	168594	50.96	ug/L	99
84) Styrene	10.439	104	301001	55.55	ug/L	98
85) Bromoform	10.591	173	77960	49.82	ug/L	94
86) 2-Chlorobenzotrifluoride	10.670	180	144052	55.69	ug/L	98
87) Isopropylbenzene	10.762	105	421249	52.64	ug/L	99
88) Cyclohexanone	10.823	55	597140	1460.12	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.067	53	47892	66.82	ug/L	87
91) 1,1,2,2-Tetrachloroethane	11.018	83	162762	59.68	ug/L	92
92) Bromobenzene	11.006	156	124373	53.74	ug/L	91
93) 1,2,3-Trichloropropane	11.048	110	47713	64.83	ug/L	96
94) n-Propylbenzene	11.115	91	509478	60.39	ug/L	96
95) 2-Chlorotoluene	11.176	91	322151	58.87	ug/L	96
96) 3-Chlorotoluene	11.231	91	320987	52.42	ug/L	98
97) 4-Chlorotoluene	11.274	91	363354	54.31	ug/L	95
98) 1,3,5-Trimethylbenzene	11.268	105	363121	55.16	ug/L	99
99) tert-Butylbenzene	11.542	119	303483	53.74	ug/L	99
100) 1,2,4-Trimethylbenzene	11.579	105	368288	61.63	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.640	214	118028	53.15	ug/L	95
102) sec-Butylbenzene	11.725	105	455155	55.06	ug/L	99
103) p-Isopropyltoluene	11.841	119	386438	62.29	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3193.D
 Acq On : 15 Nov 2020 2:46 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:23:10 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	227628	60.05	ug/L	98
105) 1,4-Dclbenz	11.877	146	234504	58.99	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.932	214	111263	56.99	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.969	214	122256	54.84	ug/L	96
108) n-Butylbenzene	12.176	91	372178	64.19	ug/L	98
109) 1,2-Dclbenz	12.176	146	237628	57.05	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.798	157	43483	61.43	ug/L	92
111) Trielution Dichlorotol...	12.920	125	598338	176.30	ug/L	96
112) 1,3,5-Trichlorobenzene	12.969	180	173289	57.23	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	446814	118.69	ug/L	96
114) 1,2,4-Tcbenzene	13.456	180	182649	61.65	ug/L	97
115) Hexachlorobt	13.590	225	71199	57.50	ug/L	99
116) Naphthalen	13.645	128	564227	75.03	ug/L	97
117) 1,2,3-Tclbenzene	13.834	180	181860	63.20	ug/L	99
118) 2,4,5-Trichlorotoluene	14.420	159	122477	67.21	ug/L	96
119) 2,3,6-Trichlorotoluene	14.505	159	107150	64.08	ug/L	88

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

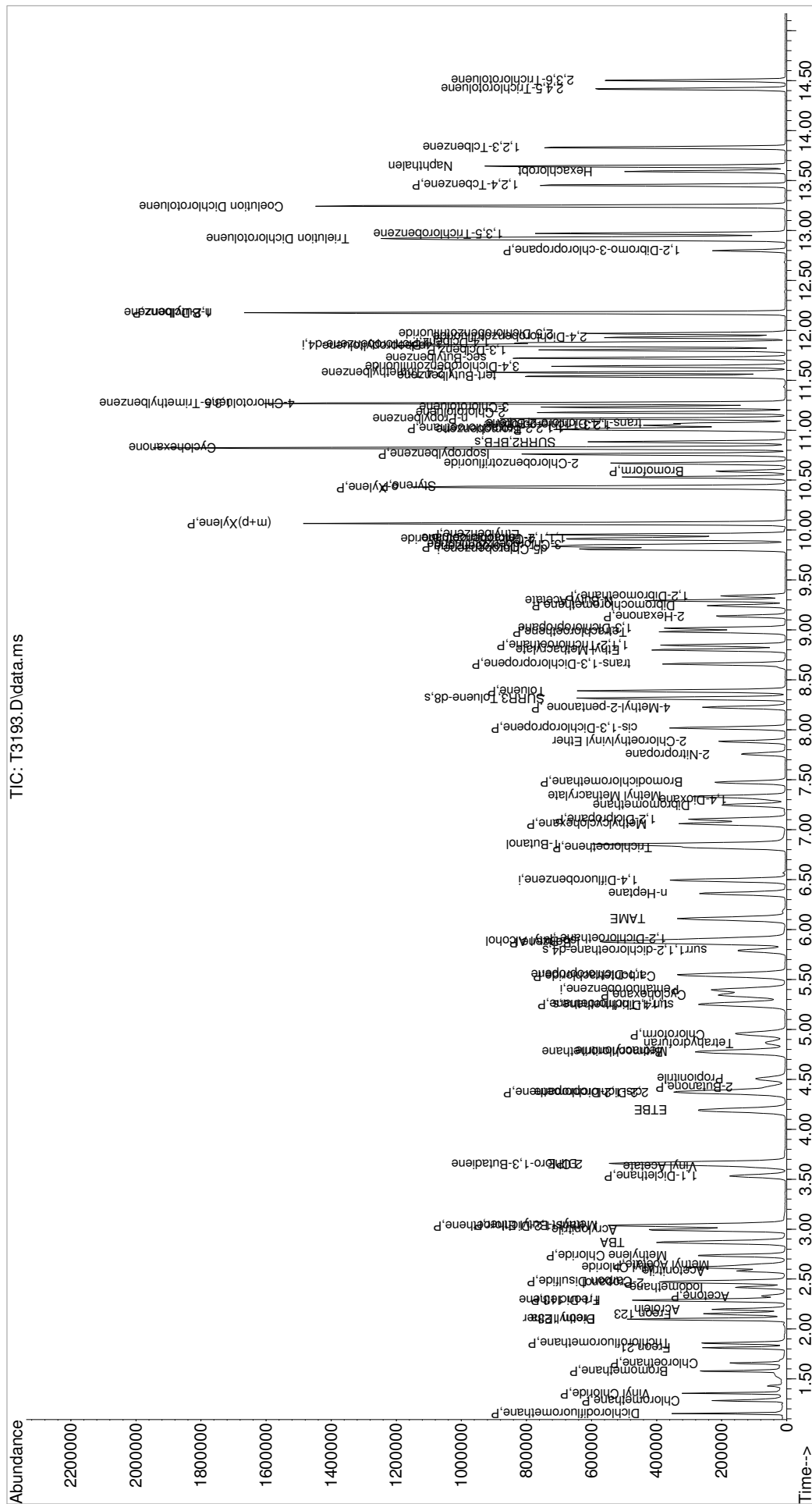
Quantitation Report (QT Reviewed)

Data Path	:	:	I:\ACQUDATA\msvoa10\data\1111520\
Data File	:	:	T3193.D
Acq On	:	:	15 Nov 2020 2:46 pm
Operator	:	:	F.NAEGLER
Sample	:	:	50 PPB STD
Misc	:	:	
ALS Vial	:	:	7 Sample Multiplier: 1

Inst : MSVOA10

ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 18 09:23:10 2020
Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3194.D
 Acq On : 15 Nov 2020 3:08 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:24:03 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.397	168	214041	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	310467	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	288214	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	159059	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	203132	107.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery =	215.44%#		
46) surr1,1,2-dichloroetha...	5.787	65	257837	115.12	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	230.24%#		
64) SURR3,Toluene-d8	8.317	98	768829	106.07	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	212.14%#		
69) SURR2,BFB	10.884	95	310667	108.74	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	217.48%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	284300	143.00	ug/L	98
3) Chloromethane	1.282	50	331381	119.44	ug/L	97
4) Vinyl Chloride	1.355	62	315242	123.45	ug/L	97
5) Bromomethane	1.574	94	133546	65.78	ug/L	99
6) Chloroethane	1.654	64	167785	117.64	ug/L	95
7) Freon 21	1.812	67	373200	102.23	ug/L	98
8) Trichlorofluoromethane	1.855	101	297218	94.02	ug/L	98
9) Diethyl Ether	2.099	59	189309	88.28	ug/L	91
10) Freon 123a	2.099	67	230437	94.87	ug/L	86
11) Freon 123	2.154	83	264592	102.17	ug/L	96
12) Acrolein	2.196	56	265410	458.64	ug/L	100
13) 1,1-Dicethene	2.282	96	150150	94.31	ug/L	95
14) Freon 113	2.288	101	179268	92.28	ug/L	94
15) Acetone	2.330	43	126847	120.65	ug/L	97
16) 2-Propanol	2.471	45	570059	2570.19	ug/L	99
17) Iodomethane	2.416	142	298206	114.04	ug/L	94
18) Carbon Disulfide	2.477	76	487958	91.74	ug/L	100
19) Acetonitrile	2.586	41	244363	621.65	ug/L	96
20) Allyl Chloride	2.617	76	104517	88.93	ug/L #	87
21) Methyl Acetate	2.641	43	247827	102.97	ug/L	98
22) Methylene Chloride	2.739	84	210020	102.86	ug/L	94
23) TBA	2.873	59	850093	2292.00	ug/L	98
24) Acrylonitrile	2.995	53	596843	520.77	ug/L	98
25) Methyl-t-Butyl Ether	3.044	73	683809	104.60	ug/L	98
26) trans-1,2-Dichloroethene	3.031	96	173579	101.78	ug/L	97
27) 1,1-Dicethane	3.531	63	376973	101.51	ug/L	95
28) Vinyl Acetate	3.623	86	29418	73.11	ug/L #	82
29) DIPE	3.659	45	741037	101.31	ug/L	99
30) 2-Chloro-1,3-Butadiene	3.659	53	284653	91.52	ug/L	97
31) ETBE	4.190	59	674685	106.53	ug/L	98
32) 2,2-Dichloropropane	4.367	77	302500	100.56	ug/L	97
33) cis-1,2-Dichloroethene	4.379	96	209237	95.77	ug/L #	81
34) 2-Butanone	4.421	43	172016	110.68	ug/L	89
35) Propionitrile	4.507	54	252439	536.43	ug/L	94
36) Bromochloromethane	4.775	130	142064	99.83	ug/L #	84
37) Methacrylonitrile	4.781	67	122273	108.88	ug/L #	86
38) Tetrahydrofuran	4.866	42	109928	39.14	ug/L	97
39) Chloroform	4.958	83	349937	107.92	ug/L	92
40) 1,1,1-Trichloroethane	5.257	97	302522	98.20	ug/L	90

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3194.D
 Acq On : 15 Nov 2020 3:08 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:24:03 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	206297	110.92	ug/L	95
44) Carbontetrachloride	5.537	117	253723	110.88	ug/L	95
45) 1,1-Dichloropropene	5.549	75	266813	107.19	ug/L	97
47) Benzene	5.866	78	795293	106.91	ug/L	98
48) 1,2-Dichloroethane	5.909	62	302727	110.31	ug/L	98
49) Iso-Butyl Alcohol	5.891	43	397876	2453.68	ug/L	92
50) TAME	6.110	73	649086	114.42	ug/L	98
51) n-Heptane	6.360	43	277691	106.13	ug/L	98
52) 1-Butanol	6.860	56	608492	7406.70	ug/L	98
53) Trichloroethene	6.823	130	202297	106.35	ug/L	94
54) Methylcyclohexane	7.061	55	251389	110.06	ug/L	99
55) 1,2-Dicloropropane	7.104	63	219257	102.31	ug/L	99
56) Dibromomethane	7.244	93	145442	103.39	ug/L	93
57) 1,4-Dioxane	7.305	88	90278	2304.14	ug/L	93
58) Methyl Methacrylate	7.335	69	197077	114.65	ug/L	91
59) Bromodichloromethane	7.476	83	274713	102.36	ug/L	97
60) 2-Nitropropane	7.756	41	160904	241.84	ug/L	92
61) 2-Chloroethylvinyl Ether	7.884	63	165089	170.79	ug/L	94
62) cis-1,3-Dichloropropene	8.018	75	342753	107.87	ug/L	99
63) 4-Methyl-2-pentanone	8.226	43	326768	113.30	ug/L	96
65) Toluene	8.390	91	846528	116.23	ug/L	98
66) trans-1,3-Dichloropropene	8.658	75	335923	109.91	ug/L	99
67) Ethyl Methacrylate	8.799	69	345641	119.87	ug/L	97
68) 1,1,2-Trichloroethane	8.847	97	199001	103.59	ug/L	97
71) Tetrachloroethene	8.982	164	161116	105.77	ug/L	97
72) 2-Hexanone	9.140	43	251076	121.21	ug/L	92
73) 1,3-Dichloropropane	9.018	76	349186	109.48	ug/L	98
74) Dibromochloromethane	9.244	129	212533	114.55	ug/L	97
75) N-Butyl Acetate	9.292	43	530341	131.80	ug/L	99
76) 1,2-Dibromoethane	9.341	107	217912	106.93	ug/L	94
77) 3-Chlorobenzotrifluoride	9.853	180	302610	109.44	ug/L	94
78) Chlorobenzene	9.835	112	546672	105.72	ug/L	96
79) 4-Chlorobenzotrifluoride	9.908	180	271520	117.06	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.920	131	206126	109.78	ug/L	97
81) Ethylbenzene	9.957	106	289186	107.72	ug/L	99
82) (m+p)Xylene	10.067	106	706572	214.58	ug/L	94
83) o-Xylene	10.426	106	357432	105.13	ug/L	98
84) Styrene	10.439	104	632689	113.61	ug/L	97
85) Bromoform	10.591	173	165974	103.20	ug/L	96
86) 2-Chlorobenzotrifluoride	10.670	180	311115	117.04	ug/L	98
87) Isopropylbenzene	10.762	105	906452	110.21	ug/L	99
88) Cyclohexanone	10.823	55	1123604	2673.35	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.066	53	99842	135.55	ug/L	89
91) 1,1,2,2-Tetrachloroethane	11.018	83	325915	113.68	ug/L	94
92) Bromobenzene	11.006	156	261302	107.41	ug/L	91
93) 1,2,3-Trichloropropane	11.048	110	95049	122.85	ug/L	90
94) n-Propylbenzene	11.115	91	1104569	124.56	ug/L	97
95) 2-Chlorotoluene	11.176	91	681399	118.46	ug/L	98
96) 3-Chlorotoluene	11.231	91	697833	108.42	ug/L	98
97) 4-Chlorotoluene	11.274	91	784024	111.48	ug/L	96
98) 1,3,5-Trimethylbenzene	11.268	105	792656	114.55	ug/L	99
99) tert-Butylbenzene	11.542	119	669996	112.87	ug/L	99
100) 1,2,4-Trimethylbenzene	11.579	105	793963	126.39	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.640	214	256993	110.08	ug/L	97
102) sec-Butylbenzene	11.725	105	989150	113.83	ug/L	97
103) p-Isopropyltoluene	11.841	119	840447	128.88	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3194.D
 Acq On : 15 Nov 2020 3:08 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:24:03 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	484959	121.71	ug/L	99
105) 1,4-Dclbenz	11.877	146	495434	118.55	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.932	214	241020	117.43	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.969	214	265908	113.48	ug/L	99
108) n-Butylbenzene	12.176	91	816931	134.04	ug/L	99
109) 1,2-Dclbenz	12.176	146	490644	112.05	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.798	157	87442	117.51	ug/L	88
111) Trielution Dichlorotol...	12.920	125	1274289	357.18	ug/L	97
112) 1,3,5-Trichlorobenzene	12.975	180	369097	115.96	ug/L	96
113) Coelution Dichlorotoluene	13.249	125	934978	236.28	ug/L	99
114) 1,2,4-Tcbenzene	13.456	180	377200	121.11	ug/L	99
115) Hexachlorobt	13.590	225	154334	118.56	ug/L	99
116) Naphthalen	13.645	128	1116335	141.22	ug/L	98
117) 1,2,3-Tclbenzene	13.834	180	372738	123.22	ug/L	99
118) 2,4,5-Trichlorotoluene	14.419	159	255756	133.51	ug/L	96
119) 2,3,6-Trichlorotoluene	14.505	159	226451	128.82	ug/L	91

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

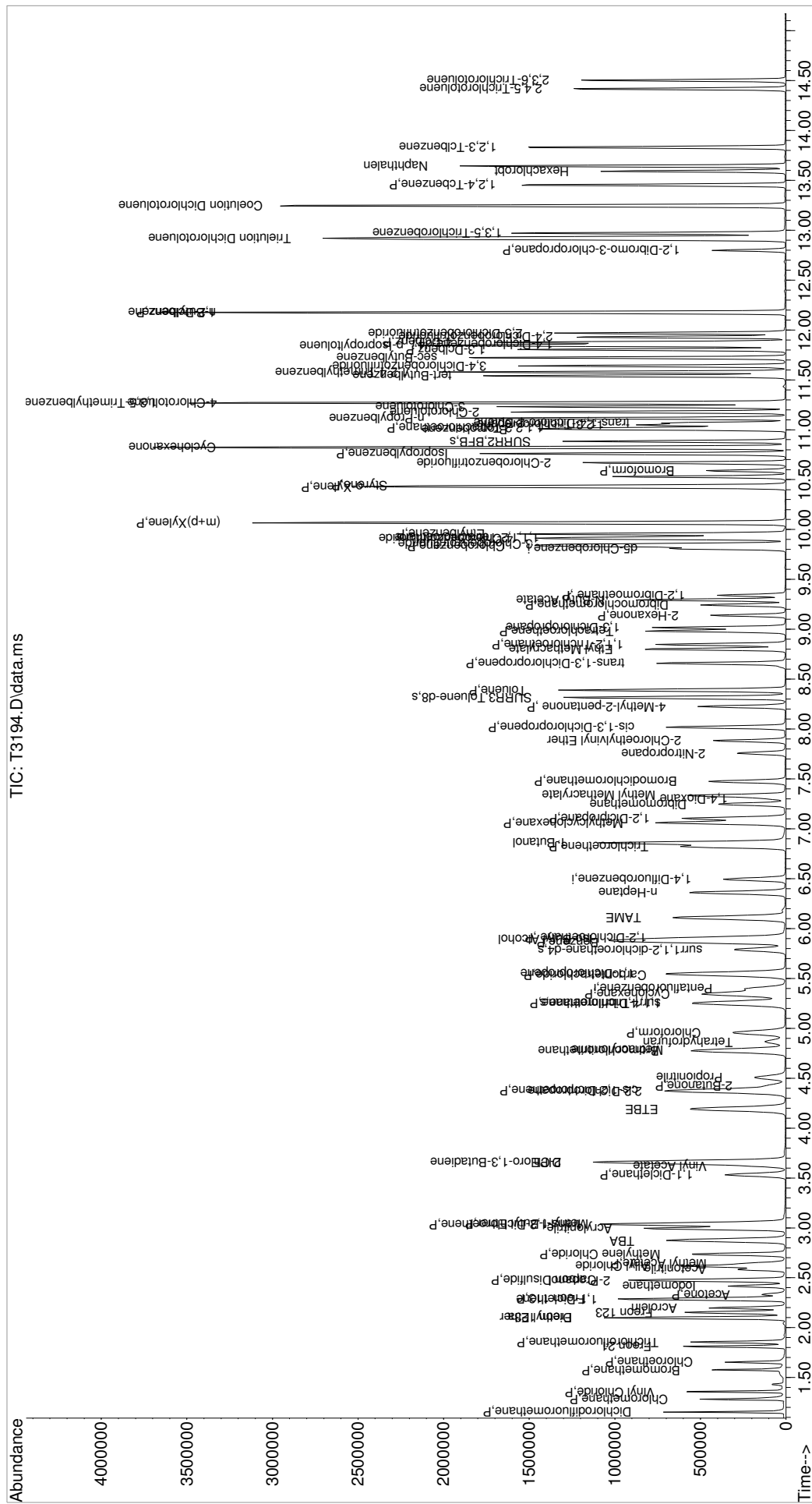
Quantitation Report (QT Reviewed)

Data Path	:	I:\ACQUDATA\msvoa10\data\1111520\
Data File	:	T3194.D
Acq On	:	15 Nov 2020 3:08 pm
Operator	:	F.NAEGLER
Sample	:	100 PPB STD
Misc	:	
ALS Vial	:	8 Sample Multiplier: 1

Inst : MSVOA10

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 09:24:03 2020
Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : 17 16:48:28 2020
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3195.D
 Acq On : 15 Nov 2020 3:30 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:24:57 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	215087	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	314537	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	290854	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	171421	50.00	ug/L	0.00

System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	386833	202.48	ug/L	0.00
Spiked Amount	50.000	Range 80 - 116	Recovery	=	404.96%#	
46) surr1,1,2-dichloroetha...	5.787	65	494532	217.94	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	435.88%#	
64) SURR3,Toluene-d8	8.317	98	1466735	199.74	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	399.48%#	
69) SURR2,BFB	10.884	95	630590	217.87	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	435.74%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	426884	213.68	ug/L	95
3) Chloromethane	1.282	50	498185	178.70	ug/L	98
4) Vinyl Chloride	1.355	62	463945	180.80	ug/L	98
5) Bromomethane	1.574	94	195620	95.88	ug/L	97
6) Chloroethane	1.641	64	249447	174.05	ug/L	95
7) Freon 21	1.806	67	574917	156.72	ug/L	96
8) Trichlorofluoromethane	1.849	101	455656	143.43	ug/L	97
9) Diethyl Ether	2.099	59	300390	139.40	ug/L	90
10) Freon 123a	2.099	67	352411	144.37	ug/L	88
11) Freon 123	2.147	83	392192	150.70	ug/L	97
12) Acrolein	2.196	56	421289	724.47	ug/L	100
13) 1,1-Dicethene	2.282	96	226565	141.61	ug/L	90
14) Freon 113	2.282	101	271050	138.85	ug/L	97
15) Acetone	2.336	43	196614	186.10	ug/L	95
16) 2-Propanol	2.483	45	918647	4121.70	ug/L	98
17) Iodomethane	2.416	142	505685	192.44	ug/L	95
18) Carbon Disulfide	2.477	76	855531	160.06	ug/L	99
19) Acetonitrile	2.586	41	308021	779.79	ug/L	99
20) Allyl Chloride	2.617	76	167108	141.50	ug/L #	85
21) Methyl Acetate	2.647	43	389966	161.24	ug/L	99
22) Methylene Chloride	2.733	84	323472	157.66	ug/L	94
23) TBA	2.891	59	1384303	3714.17	ug/L	98
24) Acrylonitrile	2.995	53	945648	821.10	ug/L	97
25) Methyl-t-Butyl Ether	3.044	73	1077522	164.02	ug/L	98
26) trans-1,2-Dichloroethene	3.031	96	264067	154.08	ug/L	98
27) 1,1-Dicethane	3.531	63	576376	154.46	ug/L	97
28) Vinyl Acetate	3.623	86	49232	121.76	ug/L #	80
29) DIPE	3.659	45	1146924	156.04	ug/L	99
30) 2-Chloro-1,3-Butadiene	3.653	53	503695	161.15	ug/L	95
31) ETBE	4.190	59	1043834	164.01	ug/L	98
32) 2,2-Dichloropropane	4.367	77	452438	149.67	ug/L	99
33) cis-1,2-Dichloroethene	4.379	96	327559	149.19	ug/L	88
34) 2-Butanone	4.428	43	267529	171.30	ug/L	90
35) Propionitrile	4.513	54	407442	861.60	ug/L	95
36) Bromochloromethane	4.775	130	222427	155.54	ug/L	84
37) Methacrylonitrile	4.781	67	193032	171.05	ug/L	88
38) Tetrahydrofuran	4.866	42	170901	60.56	ug/L	97
39) Chloroform	4.958	83	543765	166.89	ug/L	95
40) 1,1,1-Trichloroethane	5.257	97	460990	148.90	ug/L	92

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3195.D
 Acq On : 15 Nov 2020 3:30 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:24:57 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	308433	163.69	ug/L	89
44) Carbontetrachloride	5.537	117	386822	166.85	ug/L	95
45) 1,1-Dichloropropene	5.549	75	405090	160.64	ug/L	96
47) Benzene	5.866	78	1209957	160.54	ug/L	98
48) 1,2-Dichloroethane	5.909	62	469791	168.96	ug/L	98
49) Iso-Butyl Alcohol	5.903	43	644960	3925.97	ug/L	94
50) TAME	6.110	73	995470	173.21	ug/L	98
51) n-Heptane	6.360	43	418714	157.95	ug/L	97
52) 1-Butanol	6.872	56	966107	11607.51	ug/L	99
53) Trichloroethene	6.823	130	314818	163.36	ug/L	95
54) Methylcyclohexane	7.061	55	379432	163.96	ug/L	95
55) 1,2-Dicloropropane	7.104	63	334232	153.94	ug/L	99
56) Dibromomethane	7.244	93	225356	158.13	ug/L	95
57) 1,4-Dioxane	7.311	88	148426	3739.21	ug/L	100
58) Methyl Methacrylate	7.335	69	303680	174.37	ug/L	91
59) Bromodichloromethane	7.476	83	429695	158.04	ug/L	96
60) 2-Nitropropane	7.762	41	266424	395.26	ug/L	88
61) 2-Chloroethylvinyl Ether	7.884	63	262584	268.14	ug/L	91
62) cis-1,3-Dichloropropene	8.018	75	541954	168.36	ug/L	100
63) 4-Methyl-2-pentanone	8.226	43	518049	177.30	ug/L	96
65) Toluene	8.390	91	1293385	175.28	ug/L	98
66) trans-1,3-Dichloropropene	8.658	75	530638	171.38	ug/L	98
67) Ethyl Methacrylate	8.805	69	543048	185.90	ug/L	99
68) 1,1,2-Trichloroethane	8.847	97	316431	162.59	ug/L	96
71) Tetrachloroethene	8.982	164	246439	160.31	ug/L	98
72) 2-Hexanone	9.140	43	406420	194.43	ug/L	92
73) 1,3-Dichloropropane	9.018	76	536557	166.71	ug/L	97
74) Dibromochloromethane	9.244	129	335741	179.32	ug/L	94
75) N-Butyl Acetate	9.292	43	825144	203.20	ug/L	99
76) 1,2-Dibromoethane	9.341	107	344962	167.73	ug/L	96
77) 3-Chlorobenzotrifluoride	9.853	180	477988	171.29	ug/L	96
78) Chlorobenzene	9.835	112	843217	161.59	ug/L	95
79) 4-Chlorobenzotrifluoride	9.908	180	423413	180.89	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.920	131	325556	171.81	ug/L	96
81) Ethylbenzene	9.957	106	433611	160.05	ug/L	98
82) (m+p)Xylene	10.067	106	1094844	329.48	ug/L	96
83) o-Xylene	10.426	106	559734	163.14	ug/L	98
84) Styrene	10.439	104	998925	177.74	ug/L	96
85) Bromoform	10.591	173	276938	170.63	ug/L	96
86) 2-Chlorobenzotrifluoride	10.670	180	494795	184.45	ug/L	99
87) Isopropylbenzene	10.762	105	1393886	167.94	ug/L	99
88) Cyclohexanone	10.823	55	1757884	4144.51	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.073	53	163772	220.33	ug/L	93
91) 1,1,2,2-Tetrachloroethane	11.018	83	531824	172.12	ug/L	94
92) Bromobenzene	11.006	156	416079	158.69	ug/L	# 86
93) 1,2,3-Trichloropropane	11.048	110	153836	184.49	ug/L	# 86
94) n-Propylbenzene	11.115	91	1694693	177.32	ug/L	96
95) 2-Chlorotoluene	11.182	91	1061987	171.32	ug/L	98
96) 3-Chlorotoluene	11.231	91	1098946	158.42	ug/L	97
97) 4-Chlorotoluene	11.274	91	1249283	164.83	ug/L	96
98) 1,3,5-Trimethylbenzene	11.268	105	1229660	164.89	ug/L	99
99) tert-Butylbenzene	11.542	119	1036996	162.10	ug/L	99
100) 1,2,4-Trimethylbenzene	11.579	105	1251390	184.84	ug/L	96
101) 3,4-Dichlorobenzotrifl...	11.640	214	417016	165.75	ug/L	97
102) sec-Butylbenzene	11.725	105	1540310	164.48	ug/L	97
103) p-Isopropyltoluene	11.847	119	1323550	188.33	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3195.D
 Acq On : 15 Nov 2020 3:30 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:24:57 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	782123	182.13	ug/L	99
105) 1,4-Dclbenz	11.877	146	799929	177.61	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.932	214	391386	176.94	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.969	214	434017	171.86	ug/L	98
108) n-Butylbenzene	12.176	91	1299927	197.91	ug/L	100
109) 1,2-Dclbenz	12.176	146	789803	167.36	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.798	157	139963	174.53	ug/L	91
111) Trielution Dichlorotol...	12.920	125	2067925	537.84	ug/L	96
112) 1,3,5-Trichlorobenzene	12.975	180	598998	174.61	ug/L	98
113) Coelution Dichlorotoluene	13.249	125	1498285	351.32	ug/L	97
114) 1,2,4-Tcbenzene	13.456	180	604770	180.18	ug/L	99
115) Hexachlorobt	13.590	225	241808	172.36	ug/L	99
116) Naphthalen	13.645	128	1744284	204.74	ug/L	98
117) 1,2,3-Tclbenzene	13.834	180	599864	184.01	ug/L	100
118) 2,4,5-Trichlorotoluene	14.419	159	414295	200.67	ug/L	96
119) 2,3,6-Trichlorotoluene	14.505	159	364526	192.42	ug/L	91

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

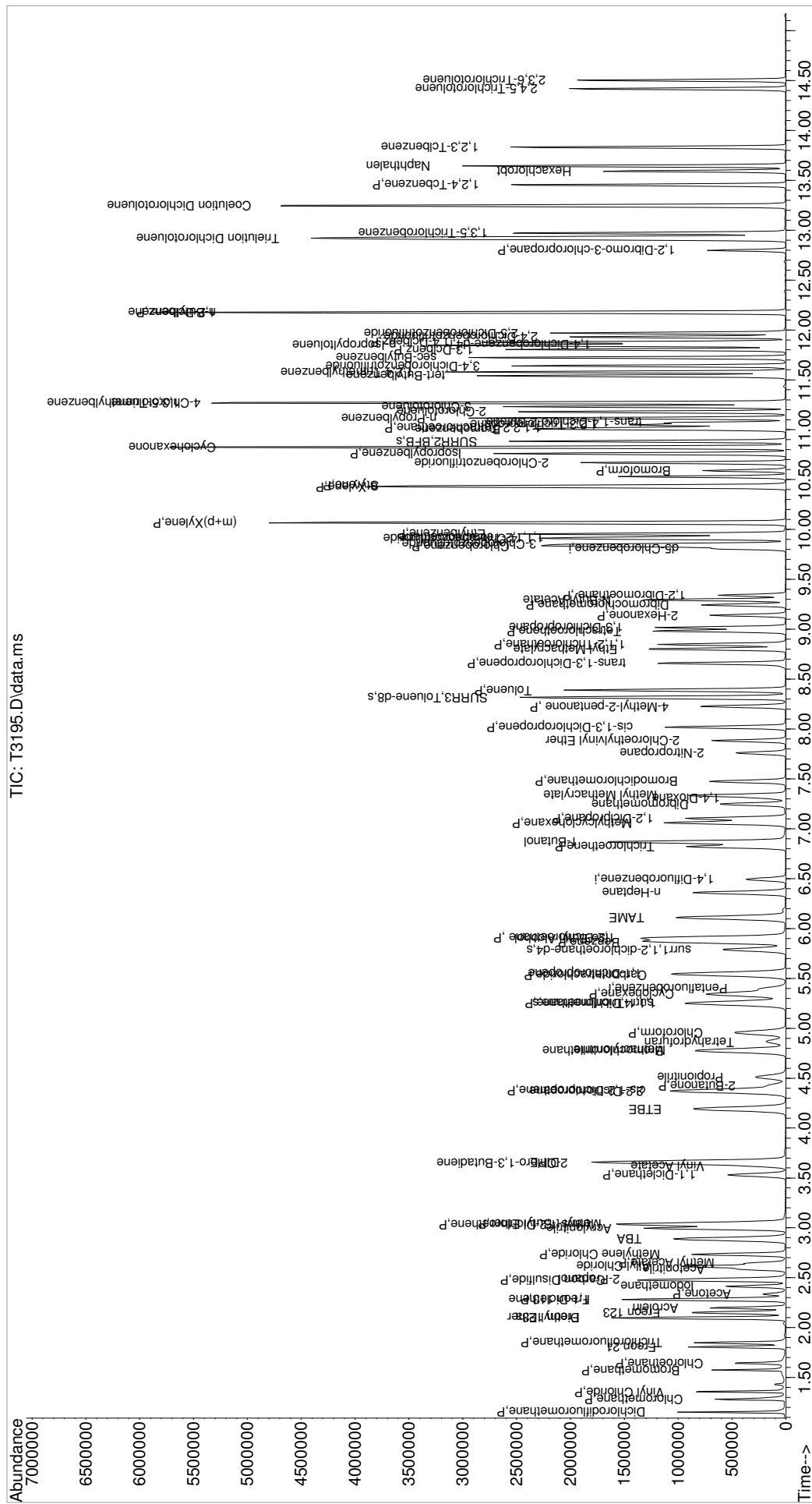
Quantitation Report (QT Reviewed)

Data Path	:	:	I:\ACQUDATA\msvoa10\data\1111520\
Data File	:	:	T3195.D
Acq On	:	:	15 Nov 2020 3:30 pm
Operator	:	:	F.NAEGLER
Sample	:	:	150 PPB STD
Misc	:	:	
ALS Vial	:	:	9 Sample Multiplier: 1

Inst : MSVOA10

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 18 09:24:57 2020
Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : 17 16:48:28 2020
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3196.D
 Acq On : 15 Nov 2020 3:52 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:25:50 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.397	168	234833	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	339582	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.811	117	312085	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.859	152	175113	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.251	113	111076	53.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 116		Recovery =	107.70%		
46) surr1,1,2-dichloroetha...	5.787	65	140523	57.36	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	114.72%		
64) SURR3,Toluene-d8	8.317	98	428756	54.08	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	108.16%		
69) SURR2,BFB	10.884	95	174999	56.00	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	112.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	626709	287.32	ug/L	96
3) Chloromethane	1.282	50	706239	232.02	ug/L	98
4) Vinyl Chloride	1.355	62	670755	239.41	ug/L	99
5) Bromomethane	1.575	94	291608	130.92	ug/L	98
6) Chloroethane	1.654	64	359442	229.71	ug/L	95
7) Freon 21	1.812	67	889373	222.06	ug/L	97
8) Trichlorofluoromethane	1.855	101	671246	193.53	ug/L	98
9) Diethyl Ether	2.099	59	424730	180.53	ug/L	92
10) Freon 123a	2.099	67	561294	210.61	ug/L	90
11) Freon 123	2.154	83	626729	220.57	ug/L	97
12) Acrolein	2.196	56	603504	950.55	ug/L	100
13) 1,1-Dicethene	2.282	96	333785	191.08	ug/L	96
14) Freon 113	2.288	101	409164	191.97	ug/L	95
15) Acetone	2.331	43	282648	245.04	ug/L	95
16) 2-Propanol	2.477	45	1295363	5323.22	ug/L	98
17) Iodomethane	2.416	142	716389	249.70	ug/L	96
18) Carbon Disulfide	2.477	76	1195843	204.92	ug/L	99
19) Acetonitrile	2.580	41	559347	1296.98	ug/L	99
20) Allyl Chloride	2.617	76	244864	189.91	ug/L #	89
21) Methyl Acetate	2.641	43	568809	215.41	ug/L	98
22) Methylene Chloride	2.739	84	464152	207.20	ug/L	92
23) TBA	2.879	59	1940724	4769.24	ug/L	97
24) Acrylonitrile	2.995	53	1334412	1061.23	ug/L	98
25) Methyl-t-Butyl Ether	3.044	73	1546102	215.56	ug/L	98
26) trans-1,2-Dichloroethene	3.032	96	391353	209.15	ug/L	97
27) 1,1-Dicethane	3.532	63	842250	206.72	ug/L	97
28) Vinyl Acetate	3.623	86	68107	154.28	ug/L #	80
29) DIPE	3.660	45	1636985	203.98	ug/L	99
30) 2-Chloro-1,3-Butadiene	3.660	53	718342	210.50	ug/L	95
31) ETBE	4.196	59	1495581	215.23	ug/L	98
32) 2,2-Dichloropropane	4.373	77	665663	201.69	ug/L	99
33) cis-1,2-Dichloroethene	4.379	96	469821	196.00	ug/L #	83
34) 2-Butanone	4.422	43	390142	228.80	ug/L	90
35) Propionitrile	4.513	54	566374	1096.98	ug/L	94
36) Bromochloromethane	4.775	130	313546	200.82	ug/L #	79
37) Methacrylonitrile	4.781	67	276592	224.48	ug/L	92
38) Tetrahydrofuran	4.867	42	245922	79.82	ug/L	99
39) Chloroform	4.958	83	789690	221.99	ug/L	92
40) 1,1,1-Trichloroethane	5.257	97	678681	200.79	ug/L	91

Data Path : I:\ACQUDATA\msvoa10\data\111520\
 Data File : T3196.D
 Acq On : 15 Nov 2020 3:52 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:25:50 2020
 Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Thu Sep 17 16:48:28 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	496209	243.92	ug/L	90
44) Carbontetrachloride	5.537	117	582905	232.89	ug/L	97
45) 1,1-Dichloropropene	5.549	75	601611	220.97	ug/L	96
47) Benzene	5.873	78	1768864	217.39	ug/L	97
48) 1,2-Dichloroethane	5.909	62	681029	226.87	ug/L	99
49) Iso-Butyl Alcohol	5.897	43	913011	5147.75	ug/L	94
50) TAME	6.110	73	1421474	229.09	ug/L	97
51) n-Heptane	6.360	43	604163	211.10	ug/L	97
52) 1-Butanol	6.866	56	1376167	15314.82	ug/L	97
53) Trichloroethene	6.824	130	464156	223.09	ug/L	95
54) Methylcyclohexane	7.061	55	603384	241.51	ug/L	98
55) 1,2-Dicloropropane	7.104	63	490306	209.17	ug/L	99
56) Dibromomethane	7.250	93	317654	206.45	ug/L	99
57) 1,4-Dioxane	7.305	88	203393	4746.06	ug/L	98
58) Methyl Methacrylate	7.336	69	431841	229.68	ug/L	87
59) Bromodichloromethane	7.476	83	626518	213.44	ug/L	96
60) 2-Nitropropane	7.762	41	388352	533.66	ug/L	89
61) 2-Chloroethylvinyl Ether	7.884	63	371449	351.33	ug/L	94
62) cis-1,3-Dichloropropene	8.018	75	773427	222.55	ug/L	99
63) 4-Methyl-2-pentanone	8.226	43	736559	233.49	ug/L	96
65) Toluene	8.390	91	1876172	235.51	ug/L	98
66) trans-1,3-Dichloropropene	8.659	75	759225	227.12	ug/L	99
67) Ethyl Methacrylate	8.805	69	774583	245.61	ug/L	100
68) 1,1,2-Trichloroethane	8.848	97	447029	212.76	ug/L	97
71) Tetrachloroethene	8.982	164	364792	221.16	ug/L	98
72) 2-Hexanone	9.140	43	568613	253.51	ug/L	93
73) 1,3-Dichloropropane	9.018	76	764824	221.46	ug/L	96
74) Dibromochloromethane	9.244	129	488437	243.13	ug/L	95
75) N-Butyl Acetate	9.293	43	1158351	265.85	ug/L	99
76) 1,2-Dibromoethane	9.341	107	486785	220.59	ug/L	95
77) 3-Chlorobenzotrifluoride	9.853	180	667366	222.89	ug/L	94
78) Chlorobenzene	9.835	112	1212314	216.52	ug/L	94
79) 4-Chlorobenzotrifluoride	9.908	180	598660	238.37	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.921	131	468395	230.37	ug/L	97
81) Ethylbenzene	9.957	106	640672	220.39	ug/L	95
82) (m+p)Xylene	10.067	106	1587035	445.11	ug/L	98
83) o-Xylene	10.427	106	804101	218.41	ug/L	97
84) Styrene	10.439	104	1409237	233.69	ug/L	94
85) Bromoform	10.591	173	395763	227.26	ug/L	94
86) 2-Chlorobenzotrifluoride	10.670	180	679873	236.21	ug/L	96
87) Isopropylbenzene	10.762	105	1994479	223.96	ug/L	98
88) Cyclohexanone	10.829	55	2452007	5387.74	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.067	53	226292	283.73	ug/L	89
91) 1,1,2,2-Tetrachloroethane	11.018	83	716747	227.08	ug/L	95
92) Bromobenzene	11.006	156	580289	216.66	ug/L #	87
93) 1,2,3-Trichloropropane	11.048	110	214134	251.39	ug/L #	89
94) n-Propylbenzene	11.115	91	2384622	244.25	ug/L	97
95) 2-Chlorotoluene	11.182	91	1514687	239.19	ug/L	99
96) 3-Chlorotoluene	11.231	91	1515184	213.82	ug/L	98
97) 4-Chlorotoluene	11.274	91	1771848	228.85	ug/L	96
98) 1,3,5-Trimethylbenzene	11.268	105	1743967	228.93	ug/L	98
99) tert-Butylbenzene	11.542	119	1473524	225.48	ug/L	99
100) 1,2,4-Trimethylbenzene	11.579	105	1776600	256.88	ug/L	96
101) 3,4-Dichlorobenzotrifl...	11.640	214	566514	220.42	ug/L	97
102) sec-Butylbenzene	11.725	105	2165689	226.39	ug/L	96
103) p-Isopropyltoluene	11.847	119	1858992	258.94	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\111520\
Data File : T3196.D
Acq On : 15 Nov 2020 3:52 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: Nov 18 09:25:50 2020
Quant Method : I:\ACQUDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Thu Sep 17 16:48:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	1079556	246.09	ug/L	97
105) 1,4-Dclbenz	11.877	146	1106687	240.54	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.932	214	523996	231.90	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.969	214	583938	226.35	ug/L	99
108) n-Butylbenzene	12.176	91	1809656	269.70	ug/L	98
109) 1,2-Dclbenz	12.176	146	1077735	223.56	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.798	157	199480	243.50	ug/L	89
111) Trielution Dichlorotol...	12.920	125	2762377	703.31	ug/L	96
112) 1,3,5-Trichlorobenzene	12.975	180	802057	228.88	ug/L	98
113) Coelution Dichlorotoluene	13.249	125	1998622	458.76	ug/L	97
114) 1,2,4-Tcbenzene	13.456	180	814680	237.60	ug/L	98
115) Hexachlorobt	13.591	225	335577	234.16	ug/L	98
116) Naphthalen	13.645	128	2341415	269.03	ug/L	98
117) 1,2,3-Tclbenzene	13.834	180	807653	242.53	ug/L	98
118) 2,4,5-Trichlorotoluene	14.420	159	549935	260.76	ug/L	96
119) 2,3,6-Trichlorotoluene	14.505	159	482528	249.34	ug/L	90

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

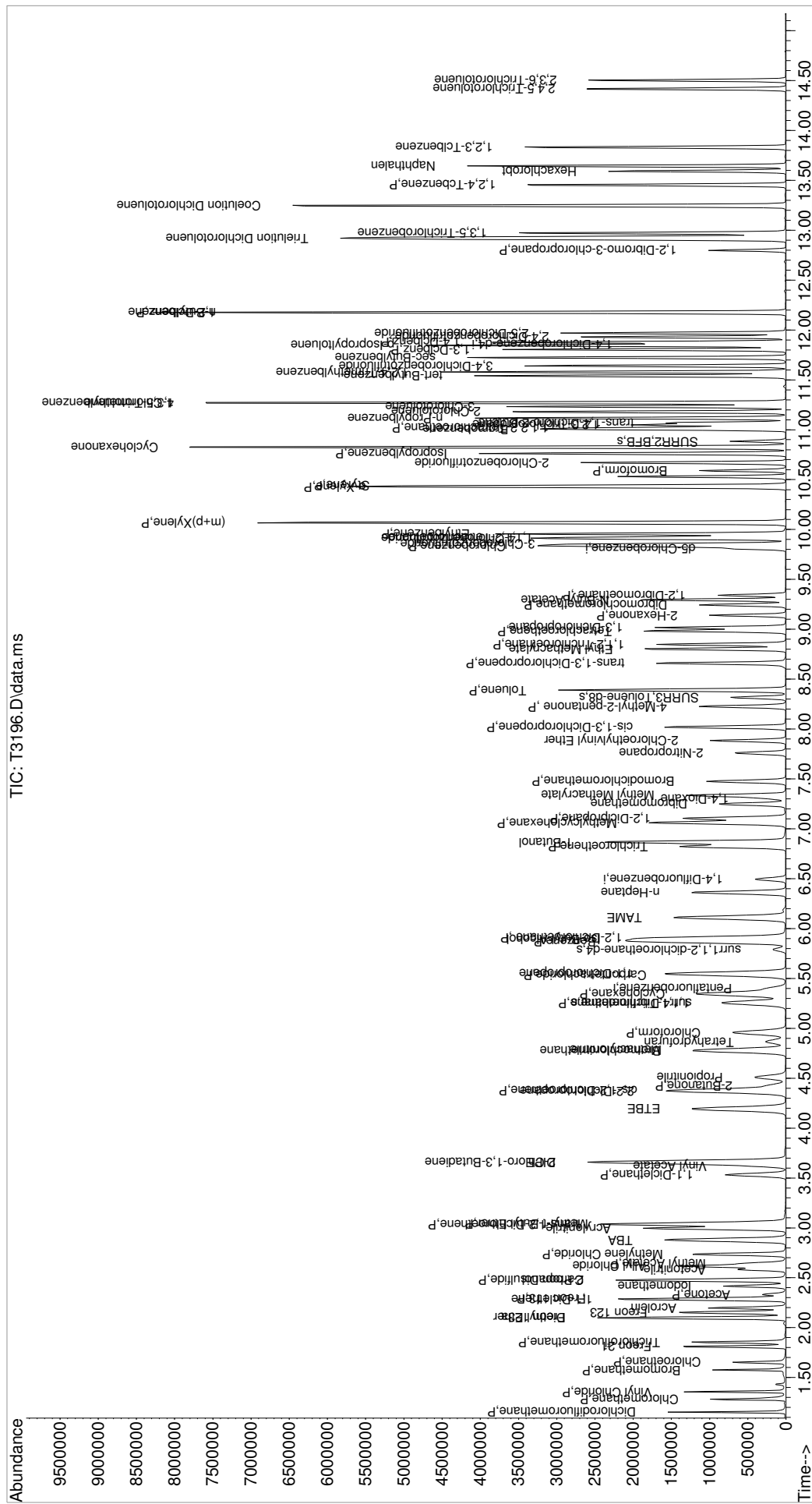
Quantitation Report (QT Reviewed)

Data Path	:	I:\ACQUDATA\msvoa10\data\1111520\
Data File	:	T3196.D
Acq On	:	15 Nov 2020 3:52 pm
Operator	:	F.NAEGLER
Sample	:	200 PPB STD
Misc	:	
ALS Vial	:	10 Sample Multiplier: 1

Inst : MSVOA10

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 18 09:25:50 2020
Quant Method : I:\ACQDATA\msvoa10\Methods\W111520.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : 17 Sep 17 16:48:28 2020
Response via : Initial Calibration



ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 11/15/20 11:41

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\111520\T3186.D

Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	21.0	17532	PASS
75	95	30	60	49.9	41635	PASS
95	95	100	100	100.0	83419	PASS
96	95	5	9	6.6	5505	PASS
173	174	0	2	1.5	1059	PASS
174	95	50	120	86.4	72069	PASS
175	174	5	9	7.6	5477	PASS
176	174	95	101	96.4	69451	PASS
177	176	5	9	6.6	4598	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
ICAL BLK	ICAL BLK	I:\ACQUDATA\msvoa10\data\111520\T3187.D	11/15/20 12:15
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\MSVOA10\DATA\111520\T3188.D	11/15/20 12:56
1 PPB STD	1 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3189.D	11/15/20 13:18
2 PPB STD	2 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3190.D	11/15/20 13:40
5 PPB STD	5 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3191.D	11/15/20 14:02
20 PPB STD	20 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3192.D	11/15/20 14:24
50 PPB STD	50 PPB STD	I:\ACQUDATA\MSVOA10\DATA\111520\T3193.D	11/15/20 14:46
100 PPB STD	100 PPB STD	I:\ACQUDATA\MSVOA10\DATA\111520\T3194.D	11/15/20 15:08
150 PPB STD	150 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3195.D	11/15/20 15:30
200 PPB STD	200 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3196.D	11/15/20 15:52
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\111520\T3199.D	11/15/20 16:58

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 4/7/20 9:56

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA10\DATA\2020\040720\E8339.D

Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	20.1	25419	PASS
75	95	30	60	49.5	62693	PASS
95	95	100	100	100.0	126587	PASS
96	95	5	9	7.1	9004	PASS
173	174	0	2	1.1	1201	PASS
174	95	50	120	85.3	108007	PASS
175	174	5	9	7.6	8193	PASS
176	174	95	101	95.7	103309	PASS
177	176	5	9	6.4	6628	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
INST. BLK	INST. BLK	I:\ACQUDATA\msvoa10\data\040720\E8340.D	4/7/20 10:35
0.5	0.5	I:\ACQUDATA\msvoa10\data\040720\E8341.D	4/7/20 11:00
1	1	I:\ACQUDATA\msvoa10\data\040720\E8342.D	4/7/20 11:22
2	2	I:\ACQUDATA\msvoa10\data\040720\E8343.D	4/7/20 11:44
5	5	I:\ACQUDATA\msvoa10\data\040720\E8344.D	4/7/20 12:06
20	20	I:\ACQUDATA\msvoa10\data\040720\E8345.D	4/7/20 12:28
50	50	I:\ACQUDATA\msvoa10\data\040720\E8346.D	4/7/20 12:50
100	100	I:\ACQUDATA\msvoa10\data\040720\E8347.D	4/7/20 13:11
150	150	I:\ACQUDATA\msvoa10\data\040720\E8348.D	4/7/20 13:33
200	200	I:\ACQUDATA\msvoa10\data\040720\E8349.D	4/7/20 13:55
ICV	ICV	I:\ACQUDATA\msvoa10\data\040720\E8350.D	4/7/20 14:17

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 11/18/20 11:13

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\111820\T3205.D

Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	20.3	24645	PASS
75	95	30	60	50.9	61752	PASS
95	95	100	100	100.0	121315	PASS
96	95	5	9	6.2	7495	PASS
173	174	0	2	0.7	778	PASS
174	95	50	120	88.2	106987	PASS
175	174	5	9	7.4	7946	PASS
176	174	95	101	97.9	104689	PASS
177	176	5	9	6.7	7055	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\msvoa10\data\111820\T3233.D	11/18/20 22:33

Analysis: 8260/624 Analyst: F. Nagler pH strips: — Tune Method: W111520.M
 Date: 11/15/2020 Balance ID: — ResCl strips: J Run Method: J
 Instr: MS 10 50 mL Class A used for dilution FV Syringes: 177417/2020S LIMS Run#: —
 Data Path: J:\acquadata\msv04\InstID\ (Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BULK							T3183	Y	
2	↓							84	Y	
1	TUNE							85	Y	
2	↓							86	Y	
1	ICAL BULK							87	Y	
2	0.5 gpb std							88	Y	
3	1							89	Y	
4	2							90	Y	
5	5							91	Y	
6	20							92	Y	
7	50							93	Y	
8	100							94	Y	
9	150							95	Y	
10	200							96	Y	
11	BULK							97	Y	
12	BULK							98	Y	
13	50 gpb ICU							99	Y	Rot for accln
14	BULK							T3200	Y	
15	BULK							101	Y	

WATER SEAL TABLE

CONC (P/B)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 213802	10uL/1mL 5uL/50uL	10uL/50uL	20uL/50uL	50uL/50uL	2uL/50uL	5uL/50uL	10uL/50uL	15uL/50uL	20uL/50uL
1° HSL = 213704	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° FC = 213552	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 213678	↓	↓	↓	↓	↓	↓	↓	↓	↓

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

Fr Secondary 200 213243 - 12.54
 T/G Secondary 500 213418 - 3.2
 HSL Secondary 213535 -
 OCC Secondary 213674 -
 Secondary

Primary SEE TABLE ABOVE

Primary
 Primary
 Primary
 Primary
 Primary

Combined IS/Surr
 Surrogate 50 213809
 Internal Std 50 213810
 Reagents:

Analysis: 624/8240 Analyst: F. Wang Tune Method: W11520.M 8040720
 Date: 11/18/2020 Balance ID: ResCl strips: 0810203E Run Method: 7
 Instr: MS10 Syringes: 17417 202105 LIMS Run#: 703954
 50 mL Class A used for dilution FV

Data Path: j:\acq\data\msvoo\InstID\ (Date)

Pos.	Sample	Dilin.	Dilin. Prep.	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							13202	Y	
2	BLK							03	-	wrong zone out
3	TUNE							04	-	
4	TUNE							05	Y	
5	CCV							06	(N)	
6	CCV							07	Y	Not needed
7	50 ppb IECV							08	(N)	acrolein only! make reagents.
8	LC5-UNP							09	Y	
9	LC5-FP							10	Y	
10	LC5-EK							11	Y	
11	MBLK-UNP							12	Y	
12	MBLK-FP							13	Y	
13	R2010840-001	1.0		17410	2	1	(7)	14	Y	
14	R2010788-006	1.0		11868	2	1	(6)	15	Y	
15	R2010854-006	2.5	20/50mL			1	(6)	16	Y	
16	R2010855-006	1.0				1	(6)	17	Y	
17	R2010855-003	2.5	20/50mL			1	(6)	18	Y	
18	R2010843-002	1.0				1	(6)	19	Y	
19	R2010843-002	2.5	20/50mL			1	(6)	20	Y	
20	R2010843-002	1.0				1	(6)	21	Y	
21	R2010843-002	2.5	20/50mL			1	(6)	22	Y	
22	R2010843-002	1.0				1	(6)	23	Y	
23	R2010843-002	2.5	20/50mL			1	(6)	24	Y	
24	R2010843-002	1.0				1	(6)	25	Y	
25	R2010843-002	2.5	20/50mL			1	(6)	26	Y	
26	R2010843-002	1.0				1	(6)	27	Y	
27	R2010843-002	2.5	20/50mL			1	(6)	28	Y	
28	R2010843-002	1.0				1	(6)	29	Y	
29	R2010843-002	2.5	20/50mL			1	(6)	30	Y	
30	R2010843-002	1.0				1	(6)	31	Y	
31	R2010843-002	2.5	20/50mL			1	(6)	32	Y	
32	R2010843-002	1.0				1	(6)	33	Y	
33	R2010843-002	2.5	20/50mL			1	(6)	34	Y	

All samples = 5 mL + 5 mL combined IS/Surr. 20 HPL std = 213920
 For Secondary 200 : 213883 - 5mL
 For Secondary 500 : 213418 - 2mL
 For Secondary 1000 : 213535 - 1mL
 For Secondary 2000 : 213679 - 1mL
 For Secondary 4000 : 213734 - 5mL
 Combined IS/Surr. : 213809
 Surrogate 50 : 213809
 Internal Std 50 : 213810
 Reagents: 5mL (50mL)

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Calibration Date: 4/7/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000183
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
12	RC2000183-12	0.5	I:\ACQUDATA\msvoa10\old data\2020\040720\E8341.D	04/07/2020 11:00
13	RC2000183-13	1.0	I:\ACQUDATA\msvoa10\old data\2020\040720\E8342.D	04/07/2020 11:22
14	RC2000183-14	2.0	I:\ACQUDATA\msvoa10\old data\2020\040720\E8343.D	04/07/2020 11:44
15	RC2000183-15	5.0	I:\ACQUDATA\msvoa10\old data\2020\040720\E8344.D	04/07/2020 12:06
16	RC2000183-16	20	I:\ACQUDATA\msvoa10\old data\2020\040720\E8345.D	04/07/2020 12:28
17	RC2000183-17	50	I:\ACQUDATA\msvoa10\old data\2020\040720\E8346.D	04/07/2020 12:50
18	RC2000183-18	100	I:\ACQUDATA\msvoa10\old data\2020\040720\E8347.D	04/07/2020 13:11
19	RC2000183-19	150	I:\ACQUDATA\msvoa10\old data\2020\040720\E8348.D	04/07/2020 13:33
20	RC2000183-20	200	I:\ACQUDATA\msvoa10\old data\2020\040720\E8349.D	04/07/2020 13:55
01	RC2000183-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3188.D	11/15/2020 12:56
02	RC2000183-02	1 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3189.D	11/15/2020 13:18
03	RC2000183-03	2 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3190.D	11/15/2020 13:40
04	RC2000183-04	5 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3191.D	11/15/2020 14:02
05	RC2000183-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3192.D	11/15/2020 14:24
06	RC2000183-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3193.D	11/15/2020 14:46
07	RC2000183-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3194.D	11/15/2020 15:08
08	RC2000183-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3195.D	11/15/2020 15:30
09	RC2000183-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\111520\T3196.D	11/15/2020 15:52

Analyte

1,1-Dichloroethylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3915	02	1.000	0.3758	03	2.000	0.3343	04	5.000	0.3535
05	20.000	0.2942	06	50.000	0.3378	07	100.000	0.3508	08	150.000	0.3511
09	200.000	0.3553									

1,2-Dichloroethane-d4

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4229	05	20.000	0.3838	06	50.000	0.4009	07	100.000	0.4152
08	200.000	0.3931									

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4473	05	20.000	0.42	06	50.000	0.4689	07	100.000	0.5003
08	200.000	0.5012									

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3186	05	20.000	0.2889	06	50.000	0.32	07	100.000	0.2963
08	150.000	0.3047	09	200.000	0.3009						

ALS Group USA, Corp.
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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Calibration Date: 4/7/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000183
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.293	02	1.000	1.308	03	2.000	1.275	04	5.000	1.331
05	20.000	1.121	06	50.000	1.266	07	100.000	1.281	08	150.000	1.282
09	200.000	1.302									

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.206	02	1.000	1.287	03	2.000	1.198	04	5.000	1.186
05	20.000	0.6528	06	50.000	1.1	07	100.000	1.14	08	150.000	1.326
09	200.000	1.273									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8366	02	1.000	0.8031	03	2.000	0.8577	04	5.000	0.854
05	20.000	0.7457	06	50.000	0.8303	07	100.000	0.8175	08	150.000	0.8427
09	200.000	0.8407									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9584	02	1.000	0.8271	03	2.000	0.7684	04	5.000	0.7114
05	20.000	0.6536	06	50.000	0.7571	07	100.000	0.7741	08	150.000	0.7721
09	200.000	0.7519									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7032	02	1.000	0.5799	03	2.000	0.5818	04	5.000	0.5904
05	20.000	0.5186	06	50.000	0.6445	07	100.000	0.6641	08	150.000	0.6616
09	200.000	0.6672									

Ethyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
12	1.000	0.5143	13	2.000	0.5495	14	4.000	0.4976	15	10.000	0.526
16	40.000	0.5304	17	100.000	0.5435	18	200.000	0.5385	19	300.000	0.5592
20	400.000	0.5608									

Isopropyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
12	0.500	0.722	13	1.000	0.5928	14	2.000	0.5913	15	5.000	0.612
16	20.000	0.6403	17	50.000	0.6272	18	100.000	0.6403	19	150.000	0.6412
20	200.000	0.6466									

Methyl Ethyl Ketone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.4193	05	20.000	0.3937	06	50.000	0.41	07	100.000	0.4018
08	150.000	0.4146	09	200.000	0.4153						

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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Calibration Date: 4/7/2020

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC2000183
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Methylene Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6205	02	1.000	0.5011	03	2.000	0.5325	04	5.000	0.5055
05	20.000	0.4534	06	50.000	0.4857	07	100.000	0.4906	08	150.000	0.5013
09	200.000	0.4941									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.325	05	20.000	1.145	06	50.000	1.207	07	100.000	1.238
08	200.000	1.166									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5229	02	1.000	0.4702	03	2.000	0.5164	04	5.000	0.5151
05	20.000	0.4547	06	50.000	0.501	07	100.000	0.4888	08	150.000	0.5076
09	200.000	0.5002									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4195	02	1.000	0.4386	03	2.000	0.3806	04	5.000	0.4009
05	20.000	0.3473	06	50.000	0.4022	07	100.000	0.4055	08	150.000	0.4092
09	200.000	0.4166									

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Calibration Date: 4/7/2020

Initial Calibration Summary Volatile Organic Compounds by GC/MS

Calibration ID: RC2000183

Signal ID: 1

Instrument ID: R-MS-10

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1-Dichloroethylene	TRG	Average RF	% RSD	7.8	≤35	0.3494	
1,2-Dichloroethane-d4	SURR	Average RF	% RSD	4.0	≤35	0.4032	
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.5	≤35	0.4675	
Acetone	TRG	Average RF	% RSD	4.0	≤35	0.3049	
Benzene	TRG	Average RF	% RSD	4.7	≤35	1.273	
Carbon Disulfide	TRG	Quadratic	COD	0.9945	≥0.99	1.152	
Chloroform	TRG	Average RF	% RSD	4.2	≤35	0.8254	
Chloromethane	TRG	Average RF	% RSD	10.8	≤35	0.7749	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	9.4	≤35	0.6235	
Ethyl Acetate	TRG	Average RF	% RSD	3.9	≤35	0.5355	
Isopropyl Acetate	TRG	Average RF	% RSD	6.1	≤35	0.6349	
Methyl Ethyl Ketone	TRG	Average RF	% RSD	2.4	≤35	0.4091	
Methylene Chloride	TRG	Average RF	% RSD	9.1	≤35	0.5094	
Toluene-d8	SURR	Average RF	% RSD	5.8	≤35	1.216	
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	4.5	≤35	0.4974	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	6.4	≤35	0.4023	

ALS Group USA, Corp.
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QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Calibration Date: 4/7/2020

Initial Calibration Verification Summary Volatile Organic Compounds by GC/MS

Calibration ID: RC2000183
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
21	RC2000183-21	ICV	I:\ACQUDATA\msvoa10\old data\2020\040720\E8350.D	04/07/2020 14:17
10	RC2000183-10	50 PPB ICV	I:\ACQUDATA\msvoa10\data\111520\T3199.D	11/15/2020 16:58
11	RC2000183-11	50 PPB ICV	I:\ACQUDATA\msvoa10\data\111820\T3233.D	11/18/2020 22:33

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Acetone	50.0	40.3	3.049E-1	2.458E-1	-19.371	±30	Average RF
Benzene	50.0	47.1	1.273E0	1.2E0	-5.775	±30	Average RF
Carbon Disulfide	50.0	44.0	1.152E0	9.174E-1	-11.967	±30	Quadratic
Chloroform	50.0	47.0	8.254E-1	7.756E-1	-6.029	±30	Average RF
cis-1,2-Dichloroethene	50.0	47.6	4.974E-1	4.737E-1	-4.775	±30	Average RF
Chloromethane	50.0	45.6	7.749E-1	7.074E-1	-8.707	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	46.1	6.235E-1	5.743E-1	-7.884	±30	Average RF
1,1-Dichloroethylene	50.0	53.3	3.494E-1	3.728E-1	6.70	±30	Average RF
trans-1,2-Dichloroethene	50.0	50.3	4.023E-1	4.046E-1	0.586	±30	Average RF
Ethyl Acetate	50.0	50.1	5.355E-1	5.369E-1	0.253	±30	Average RF
Isopropyl Acetate	50.0	53.3	6.349E-1	6.77E-1	6.64	±30	Average RF
Methylene Chloride	50.0	43.9	5.094E-1	4.471E-1	-12.227	±30	Average RF
Methyl Ethyl Ketone	50.0	45.7	4.091E-1	3.738E-1	-8.640	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,2-Dichloroethane-d4	50.0	50.8	4.032E-1	4.095E-1	1.56	±30	Average RF
4-Bromofluorobenzene	50.0	52.1	4.675E-1	4.872E-1	4.20	±30	Average RF
Toluene-d8	50.0	50.9	1.216E0	1.239E0	1.89	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Date Analyzed: 11/29/20 10:44

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
File ID: I:\ACQUADATA\msvoa10\data\112920\T3556.D\
Signal ID: 1

Calibration Date: 4/7/2020
Calibration ID: RC2000183
Analysis Lot: 705142
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Acetone	20.0	15.6	0.3049	0.2382	-21.9	NA	±25	Average RF
Benzene	20.0	18.3	1.2734	1.1658	-8.4	NA	±25	Average RF
Carbon Disulfide	20.0	17.8	1.1521	0.8886	NA	-11.2	±25	Quadratic
Chloroform	20.0	19.1	0.8254	0.787	-4.7	NA	±25	Average RF
cis-1,2-Dichloroethene	20.0	19.5	0.4974	0.4845	-2.6	NA	±25	Average RF
Chloromethane	20.0	19.9	0.7749	0.7707	-0.5	NA	±25	Average RF
Dichlorodifluoromethane (CFC 12)	20.0	20.6	0.6235	0.6431	3.1	NA	±25	Average RF
1,1-Dichloroethylene	20.0	22.3	0.3494	0.3895	11.5	NA	±25	Average RF
trans-1,2-Dichloroethene	20.0	20.4	0.4023	0.4104	2.0	NA	±25	Average RF
Methylene Chloride	20.0	18.8	0.5094	0.4783	-6.1	NA	±25	Average RF
Methyl Ethyl Ketone	20.0	17.9	0.4091	0.3664	-10.4	NA	±25	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2-Dichloroethane-d4	50.0	53.2	0.4032	0.4286	6.3	NA	±25	Average RF
4-Bromofluorobenzene	50.0	50.9	0.4675	0.4763	1.9	NA	±25	Average RF
Toluene-d8	50.0	52.1	1.216	1.2678	4.3	NA	±25	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094
Date Analyzed: 11/29/20 11:52

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
File ID: I:\ACQUDATA\msvoa10\data\112920\T3558.D\
Signal ID: 1

Calibration Date: 4/7/2020
Calibration ID: RC2000183
Analysis Lot: 705142
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Ethyl Acetate	20.0	25.5	0.5355	0.6823	27.4*	NA	±25	Average RF
Isopropyl Acetate	20.0	24.7	0.6349	0.7825	23.3	NA	±25	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2-Dichloroethane-d4	50.0	54.2	0.4032	0.4367	8.3	NA	±25	Average RF
4-Bromofluorobenzene	50.0	50.1	0.4675	0.4683	0.2	NA	±25	Average RF
Toluene-d8	50.0	53.0	1.216	1.2887	6.0	NA	±25	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request: R2011094

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot: 705142
Instrument ID: R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\112920\T3554.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	09:32:00	
I:\ACQUDATA\msvoa10\data\112920\T3555.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	10:08:00	
I:\ACQUDATA\msvoa10\data\112920\T3556.D\	Lab Control Sample	RQ2014692-03	11/29/2020	10:44:00	
I:\ACQUDATA\msvoa10\data\112920\T3556.D\	Continuing Calibration Verification	RQ2014692-10	11/29/2020	10:44:00	
I:\ACQUDATA\msvoa10\data\112920\T3558.D\	Continuing Calibration Verification	RQ2014692-11	11/29/2020	11:52:00	
I:\ACQUDATA\msvoa10\data\112920\T3558.D\	Lab Control Sample	RQ2014692-05	11/29/2020	11:52:00	
I:\ACQUDATA\msvoa10\data\112920\T3559.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	12:25:00	
I:\ACQUDATA\msvoa10\data\112920\T3563.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	13:52:00	
I:\ACQUDATA\msvoa10\data\112920\T3564.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	14:14:00	
I:\ACQUDATA\msvoa10\data\112920\T3565.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	14:36:00	
I:\ACQUDATA\msvoa10\data\112920\T3566.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	14:58:00	
I:\ACQUDATA\msvoa10\data\112920\T3567.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	15:20:00	
I:\ACQUDATA\msvoa10\data\112920\T3568.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	15:42:00	
I:\ACQUDATA\msvoa10\data\112920\T3569.D\	Method Blank	RQ2014692-07	11/29/2020	16:04:00	
I:\ACQUDATA\msvoa10\data\112920\T3570.D\	Trip Blank	R2011094-011	11/29/2020	16:26:00	
I:\ACQUDATA\msvoa10\data\112920\T3571.D\	MW-18	R2011094-001	11/29/2020	16:48:00	
I:\ACQUDATA\msvoa10\data\112920\T3572.D\	MW-23S	R2011094-002	11/29/2020	17:10:00	
I:\ACQUDATA\msvoa10\data\112920\T3573.D\	MW-23I	R2011094-003	11/29/2020	17:31:00	
I:\ACQUDATA\msvoa10\data\112920\T3574.D\	MW-23D	R2011094-004	11/29/2020	17:53:00	
I:\ACQUDATA\msvoa10\data\112920\T3575.D\	MW-D6	R2011094-005	11/29/2020	18:15:00	
I:\ACQUDATA\msvoa10\data\112920\T3576.D\	MW-D8	R2011094-006	11/29/2020	18:37:00	
I:\ACQUDATA\msvoa10\data\112920\T3577.D\	MW-D10	R2011094-007	11/29/2020	18:59:00	
I:\ACQUDATA\msvoa10\data\112920\T3578.D\	MW-D12	R2011094-008	11/29/2020	19:21:00	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: RocTerra LLC
Project: Sanofi Aventis

Service Request:R2011094

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:705142
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\112920 \T3579.D\	RW-4	R2011094-009	11/29/2020	19:43:00	
I:\ACQUDATA\msvoa10\data\112920 \T3580.D\	RW-5	R2011094-010	11/29/2020	20:05:00	
I:\ACQUDATA\msvoa10\data\112920 \T3581.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	20:26:00	
I:\ACQUDATA\msvoa10\data\112920 \T3582.D\	ZZZZZZZ	ZZZZZZZ	11/29/2020	20:48:00	

Analysis: 624 Analyst: F. Neuge pH strips: 207519 Tune Method: W11520m/204720m
 Date: 11/29/2020 Balance ID: --- ResCl strips: 051920 Run Method: ---
 Instr. MS 10 50 mL Class A used for dilution FV Syringes: 177117/202005 LIMS Run#: 705142

Data Path: j:\acquadata\msvoo\InstID\Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BK							T3552	Y	
2	BK							53	Y	
3	TUG							54	Y	
1	LES-UF							55	Y	
2	LES-FP							56	Y	
3	EKUS-UF							57	Y	Not needed
4	EKUS-FP							58	Y	
5	MBK-UF							59	Y	
6	R201188-002	1.0		15556	2	1	(6)	60	(N)	Ref 110 wrong sample
7	-003	10.0	5/kan	16102	1	1	(6)	61	(N)	Ref 11
8	-003	250.0	1/2kan	11868	2	1	(6)	62	(N)	Ref 11
9	R201272-006	1.0		11868	2	1	(6)	63	Y	
10	-003	2.5	20kan	13224	2	1	(6)	64	Y	
11	R201308-001	1.0		13224	2	1	(6)	65	Y	
12	R2011309-009	1.0		14883	2	1	(6)	66	Y	
13	R201287-002	1.0		14883	2	1	(6)	67	Y	
14	-001	1.0		1	1	1	(7)	68	Y	
15	MBK-FP							69	Y	
16	R201094-011	1.0		23061	4	1	(2)	70	Y	
17	-001	1.0			1	1	(2)	71	Y	
18	-002	1.0			1	1	(2)	72	Y	
19	-003	1.0			1	1	(2)	73	Y	
20	-004	1.0			1	1	(2)	74	Y	
21	-005	1.0			1	1	(2)	75	Y	
22	-006	1.0			1	1	(2)	76	Y	
23	-007	1.0			1	1	(2)	77	Y	
24	-008	1.0			1	1	(2)	78	Y	
25	-009	1.0			1	1	(2)	79	Y	
26	-010	1.0			1	1	(2)	80	Y	
27	R201287-001	1.0		14883	2	1	(7)	81	Y	
28	-001	1.0		1	1	1	(7)	82	Y	
29	BK							83	Y	

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

Primary Secondary 200: 213883 - 5uL Combined IS/Surr: ---
 Primary Secondary 500: 213920 - 2uL Surrogate 50: 213809
 Primary Secondary 1000: 213679 - 1uL Internal Std 50: 213810
 Primary Secondary 2000: 213734 - 5uL Reagents: ---

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Sanofi Aventis
ALS Environmental, Inc. SDG#R2011094
January 8, 2021
Reissued: 1/22/2021
Sampling date: 11/17-19/2020

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Sanofi 755 Jefferson
SDG# R2011094

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; January 22, 2021) for Rocterra LLC, project located at Sanofi Aventis, ALS Environmental, Inc., SDG#R2011094, submitted to Vali-Data of WNY, LLC on December 11, 2020. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using USEPA method Volatile Organics (624.1).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Internal Standard, Method Blank and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All criteria were met.

INTERNAL STANDARD (IS)

All criteria were met except the area of Pentafluorobenzene was not recorded on the 'Internal Standard Area and Retention Time Summary' form. Target analytes associated with Pentafluorobenzene should be qualified as estimated in the samples, blank and spikes.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All criteria were met except Chloromethane was detected above the MDL, below the reporting limit and is qualified as estimated in RQ2014692-07. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in the associated samples in which it was detected above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

No MS/MSD was acquired.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of Ethyl acetate was outside QC limits in CCAL file #t3558.D. This target analyte should be qualified as estimated in the associated samples, blank and spikes.

GC/MS PERFORMANCE CHECK

All criteria were met.

Appendix B

01-018071

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYD002218758	2. Page 1 of 1	3. Emergency Response Phone 800 899-4672	4. Manifest Tracking Number 003464232 GBF	
5. Generator's Name and Mailing Address UCB, Inc. 1950 Lake Park Drive Smyrna GA 30080			Generator's Site Address (if different than mailing address) UCB, Inc. 755 Jefferson Road Rochester NY 14624			
Generator's Phone: 770 970-7500						
6. Transporter 1 Company Name NRC East Environmental Services, Inc.			U.S. EPA ID Number MAC300098399			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address ENPRO SERVICES OF VERMONT, INC. 54 AVENUE D WILISTON VT 05495			U.S. EPA ID Number VT R000517052			
Facility's Phone: 802 860-1200						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit WL/Vol
X	1. NA3082, Hazardous waste, liquid, n.o.s. (Methylene chloride, benzene) B, PGIII		001 DM		15	G
14. Special Handling Instructions and Additional Information 1)(L,E,I) Profile# 79409, App# V1-H17-27445 ERG#111 Job/PO # (VT-0220-27116) NRC JOB# 142443						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offoror's Printed/Typed Name Alex Wirth			Signature <i>[Signature]</i>		Month Day Year 12 13 2021	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S.			Port of entry/exit: Date leaving U.S.:			
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Steven Olsen			Signature <i>[Signature]</i>		Month Day Year 2 3 21	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
18. Discrepancy						
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H141		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Jeff Frederick			Signature <i>[Signature]</i>		Month Day Year 12 12 21	

Appendix C

ANNUAL INSTITUTIONAL CONTROL / ENGINEERING CONTROL CERTIFICATION			
SITE MANAGEMENT PLAN - METHYLENE CHLORIDE AREA 755 JEFFERSON ROAD, HENRIETTA, NEW YORK		Annual Certification Period: 1 /1 /20 to 12/31/20	
INSTITUTIONAL CONTROLS			
Control Method	Mechanisms of Implementation, Monitoring, Maintenance, or Enforcement	Evaluation of IC/EC Effectiveness	Inspection Date
1. Post Remedial Groundwater Monitoring	Gauged 11 and sampled 10 monitoring wells in November 2020.	Effective	11/18/2020
2. Deed Restriction	Chris Hargis of Unither confirmed via email coorespondence on 4/1/21 that the deed restrictions remain in place and the Site Management Plan is on file at the facility.	Effective	4/1/2021
3. Decontamination Facilities	Inspected the various decontamination facilities available in Building #3 and the former Remediation Shed	Effective	11/18/2020
4. Waste Disposal	Coordinated with Unither Personnel to have the groundwater sampling waste water disposed of at an approved facility.	Effective	2/3/2021

Professional Certification: I certify under penalty of law that I am a Professional Engineer in the State of New York or am otherwise a qualified environmental professional. I certify that, except with respect to monitoring well MW-D7 and the RW-4/Fire Hydrant excavation area, which is discussed in detail within the 2017/2018, 2019 and 2020 Periodic Review Report, the institutional controls and engineering controls employed at this site are:

- Unchanged from the previous certification, unless otherwise approved by the Department, consistent with the SMP,
- In place and effective, and
- Performing as designed, and nothing has occurred that would impair the ability of the controls to protect the public health and environment or constitute a violation or failure to comply with any operation and maintenance plan for such controls.

	Alexander Wirth	4/1/2021
Signature	Print Name	Date