Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110419\

Quantitation Report (Not Reviewed)

Data File : VU035610.D
Acq On : 04 Nov 2019 16:07
Operator : JC/SP
Sample : K5656-09DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5457DL

Quant Time: Nov 05 02:40:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 02:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	236424	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	262277	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	116232	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	110164	4.53	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 90.60%			
7) Chloroethane-d5	1.93	69	95415	4.79	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 95.80%			
11) 1,1-Dichloroethene-d2	2.59	63	145083	3.54	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 70.80%			
20) 2-Butanone-d5	4.71	46	259972	48.38	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.76%			
24) Chloroform-d	5.12	84	177491	4.58	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.60%			
26) 1,2-Dichloroethane-d4	5.75	65	96767	4.75	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.00%			
32) Benzene-d6	5.77	84	385379	4.67	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.40%			
36) 1,2-Dichloropropane-d6	6.74	67	123471	4.63	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 92.60%			
41) Toluene-d8	7.93	98	350128	4.48	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.60%			
43) trans-1,3-Dichloropropene-	8.22	79	47067	4.41	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 88.20%			
46) 2-Hexanone-d5	8.68	63	195697	46.84	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 93.68%			
57) 1,1,2,2-Tetrachloroethane-	10.79	84	105049	4.69	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 93.80%			
64) 1,2-Dichlorobenzene-d4	12.22	152	116308	5.05	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.00%			
Target Compounds						Qvalue
6) Bromomethane	1.88	94	8520	0.497	ug/L	93
12) 1,1-Dichloroethene	2.61	96	10046	0.483	ug/L #	1
13) Acetone	2.68	43	61773	15.946	ug/L	81
14) Carbon disulfide	2.82	76	115170	1.708	ug/L	100
15) Methyl Acetate	3.00	43	92854	10.318	ug/L	98
16) Methylene chloride	3.08	84	33098	1.343	ug/L	97
17) Methyl tert-butyl Ether	3.43	73	132467	2.719	ug/L	99
21) 2-Butanone	4.79	43	43890	7.630	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	38132	1.613	ug/L	96
25) Chloroform	5.14	83	12608	0.292	ug/L	98
27) 1,2-Dichloroethane	5.84	62	32529	1.352	ug/L	99
30) Cyclohexane	5.43	56	91825	2.660	ug/L	97
33) Benzene	5.82	78	120577	1.306	ug/L	100
34) Trichloroethene	6.58	95	20266	0.858	ug/L	97
35) Methylcyclohexane	6.80	83	174342	4.845	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	84345	6.031	ug/L	97
42) Toluene	8.01	91	383838	3.952	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110419\

Quantitation Report (Not Reviewed)

Data File : VU035610.D
Acq On : 04 Nov 2019 16:07
Operator : JC/SP
Sample : K5656-09DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A5457DL

Quant Time: Nov 05 02:40:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 02:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Tetrachloroethene	8.58	164	23053	1.120	ug/L		96
48) 2-Hexanone	8.74	43	67078	6.749	ug/L		95
49) Dibromochloromethane	8.58	129	20461	0.952	ug/L	#	12
50) 1,2-Dibromoethane	8.96	107	7581	0.459	ug/L	#	90
52) Ethylbenzene	9.60	91	229764	2.248	ug/L		99
53) m,p-Xylene	9.73	106	73736	1.905	ug/L		97
59) 1,2,3-Trichloropropane	11.84	75	12762	0.793	ug/L		93
62) 1,3-Dichlorobenzene	11.77	146	59797	1.530	ug/L		98
63) 1,4-Dichlorobenzene	11.77	146	59797	1.589	ug/L		96

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110419\

Quantitation Report (Not Reviewed)

Data File : VU035610.D
Acq On : 04 Nov 2019 16:07
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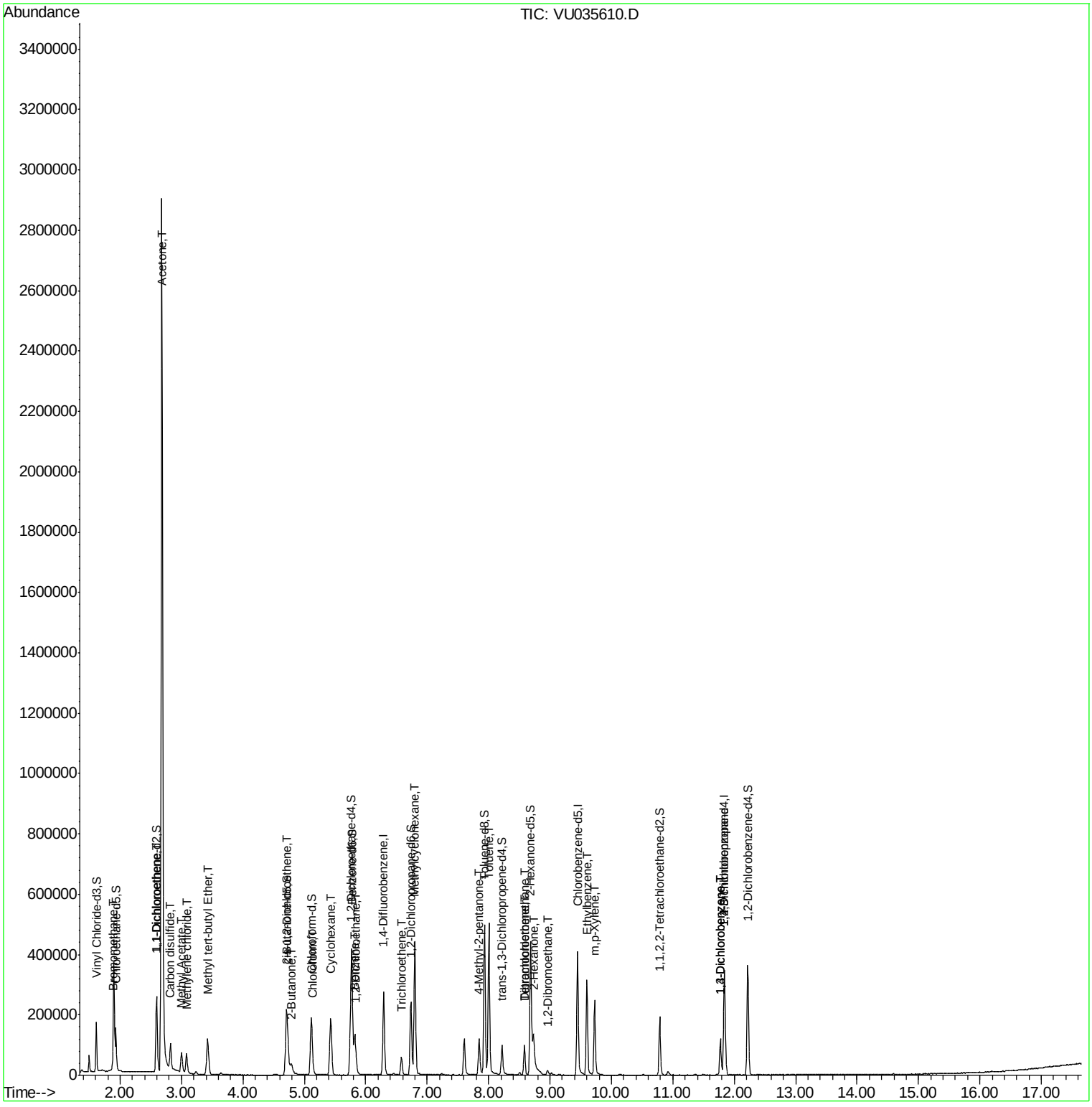
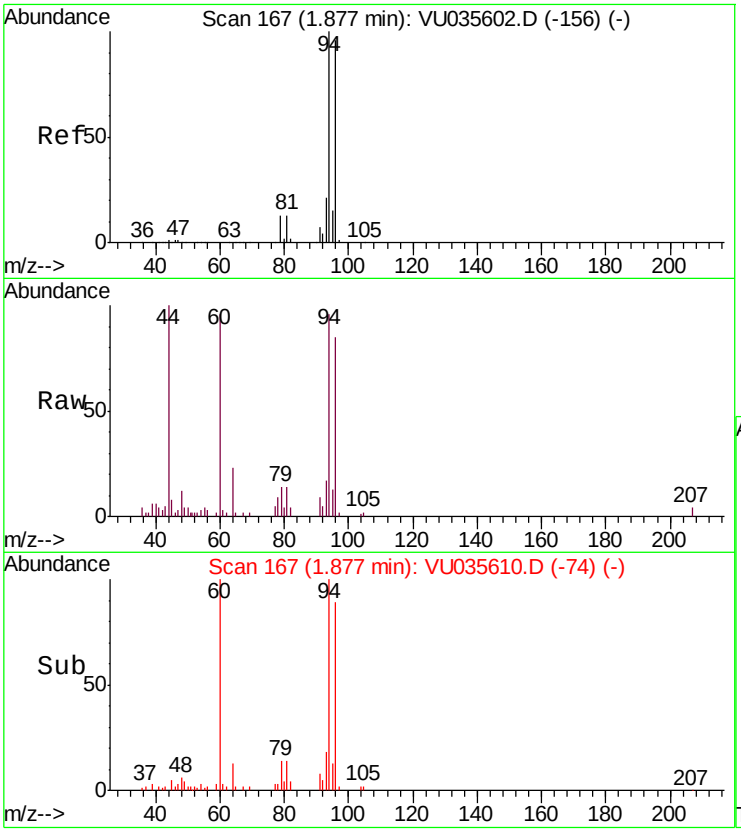
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 02:35:58 2019
Response via : Initial Calibration



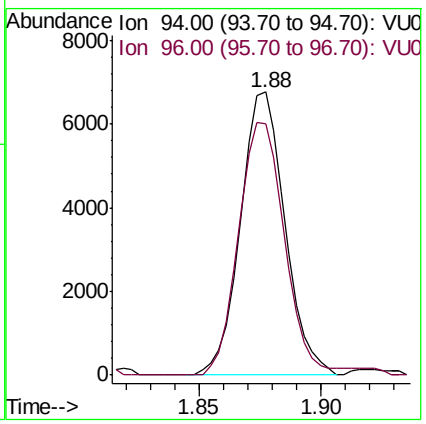


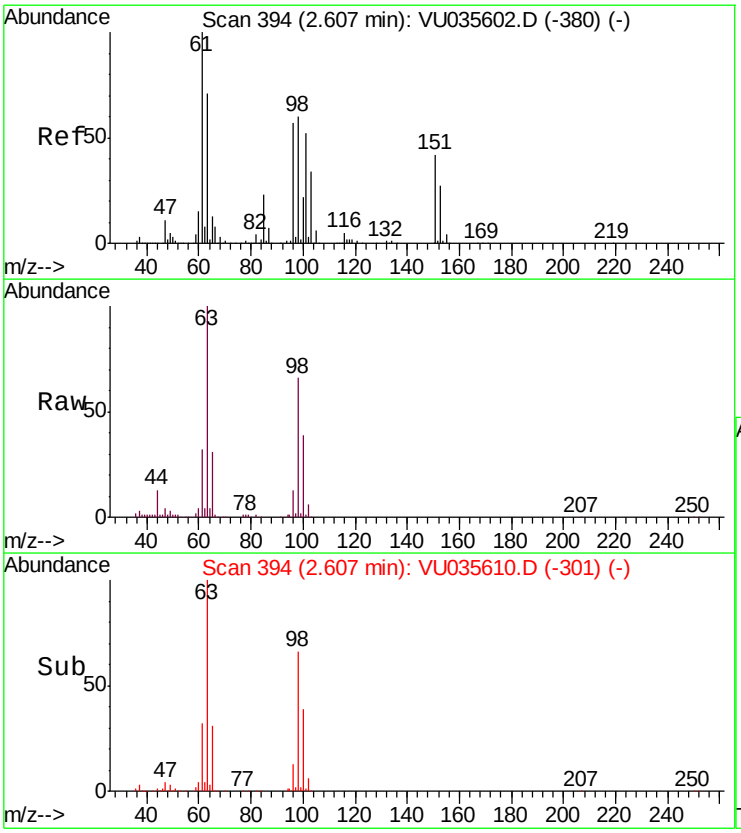
#6
Bromomethane
Concen: 0.497 ug/L
RT: 1.88 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument :
MSVOA_U
ClientSampleId :
A5457DL

Tgt Ion: 94 Resp: 8520

Ion	Ratio	Lower	Upper
94	100		
96	89.0	66.8	124.2

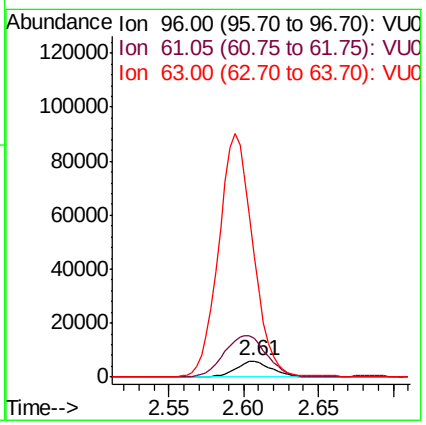


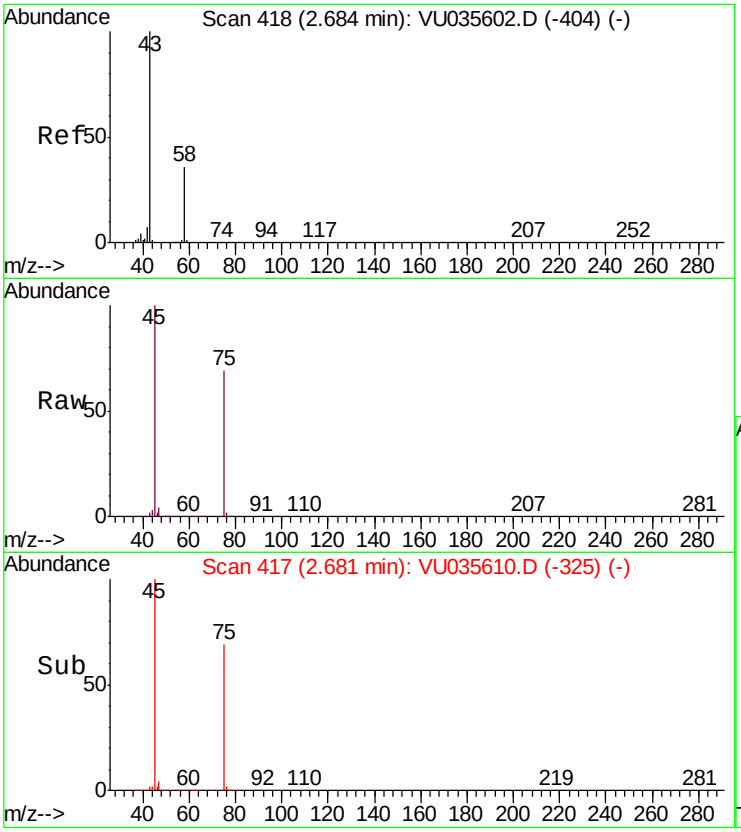


#12
1,1-Dichloroethene
Concen: 0.483 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 96 Resp: 10046

Ion	Ratio	Lower	Upper
96	100		
61	235.5	123.1	228.5#
63	742.6	87.8	163.0#



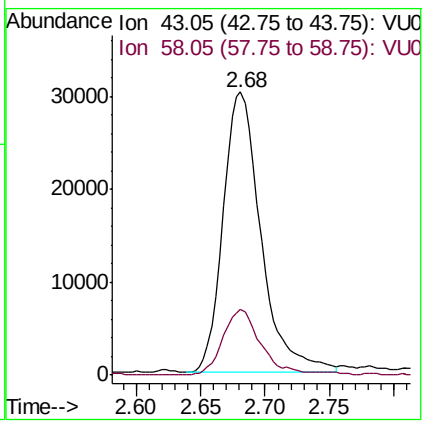


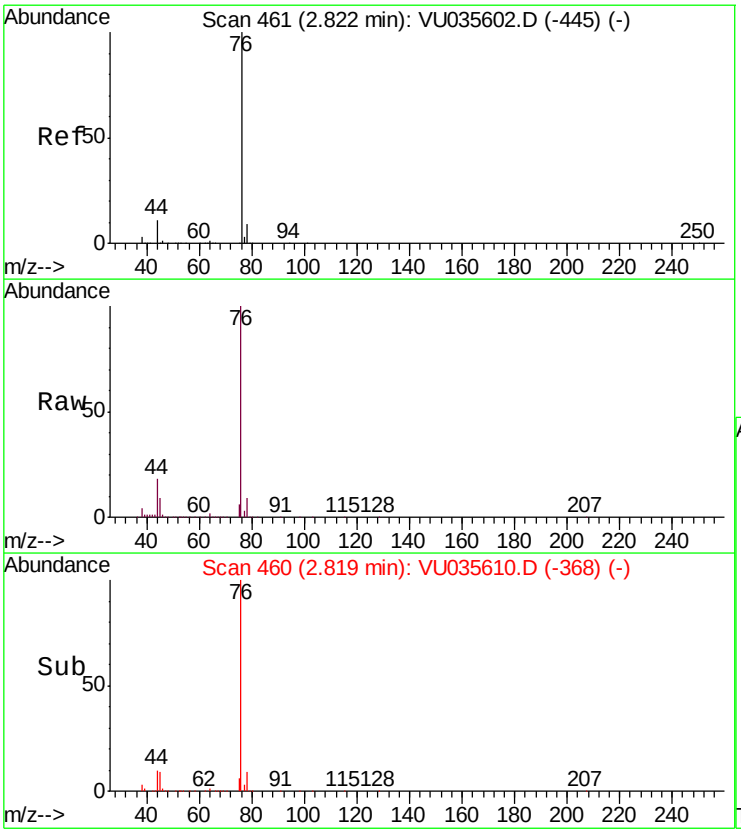
#13
Acetone
Concen: 15.946 ug/L
RT: 2.68 min Scan# 417
Delta R.T. -0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument : MSVOA_U
ClientSampleId : A5457DL

Tgt Ion: 43 Resp: 61773

Ion	Ratio	Lower	Upper
43	100		
58	23.6	0.0	69.8

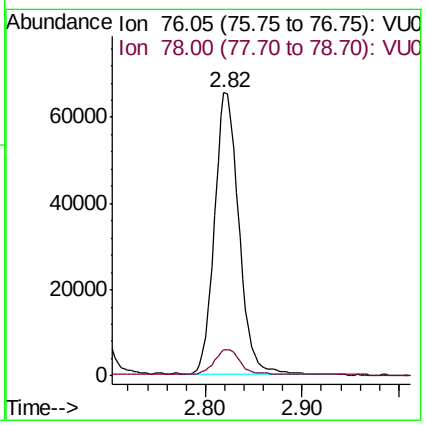


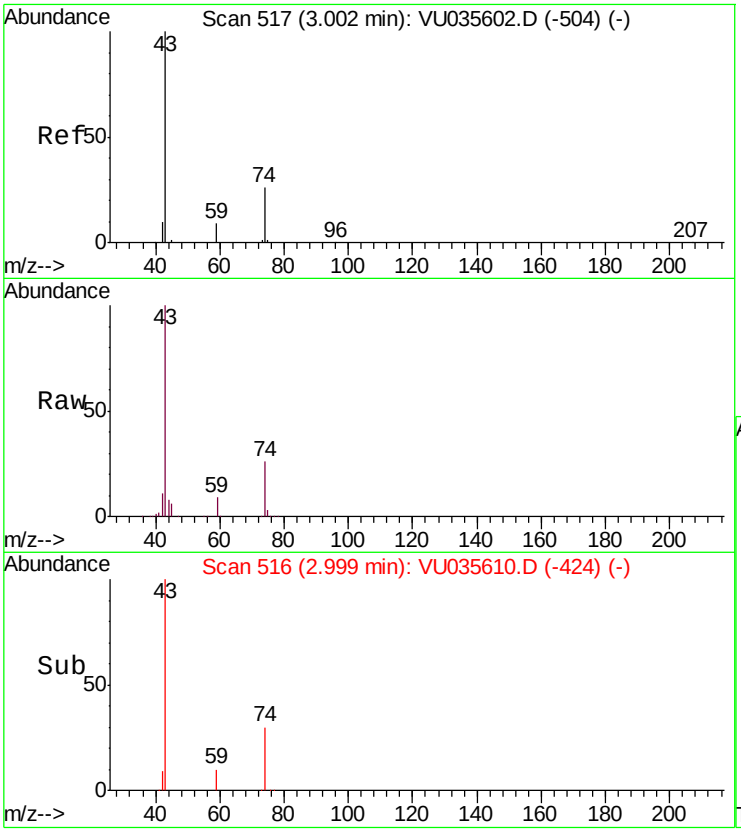


#14
Carbon disulfide
Concen: 1.708 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 76 Resp: 115170

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0



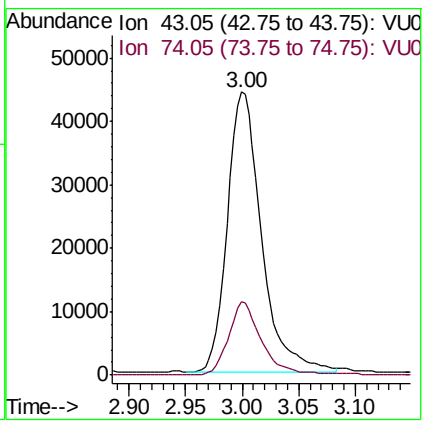


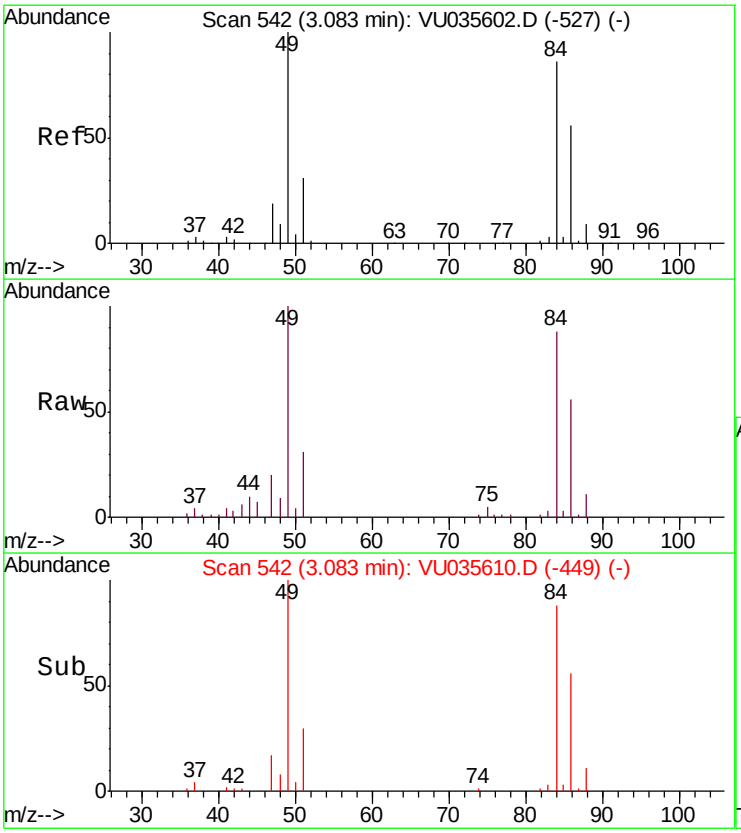
#15
Methyl Acetate
Concen: 10.318 ug/L
RT: 3.00 min Scan# 516
Delta R.T. -0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument : MSVOA_U
ClientSampleId : A5457DL

Tgt Ion: 43 Resp: 92854

Ion	Ratio	Lower	Upper
43	100		
74	25.4	21.0	31.6

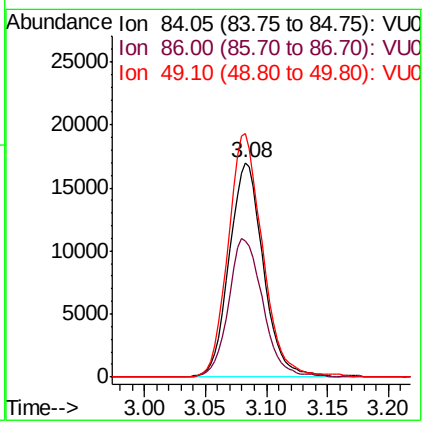


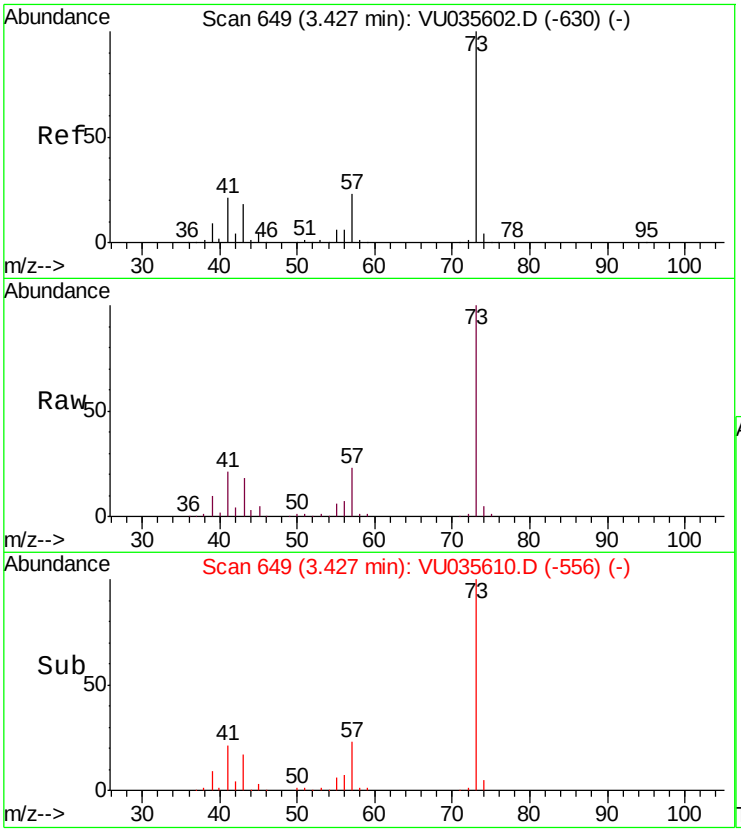


#16
Methylene chloride
Concen: 1.343 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 84 Resp: 33098

Ion	Ratio	Lower	Upper
84	100		
86	63.6	45.8	85.2
49	113.5	81.9	152.1



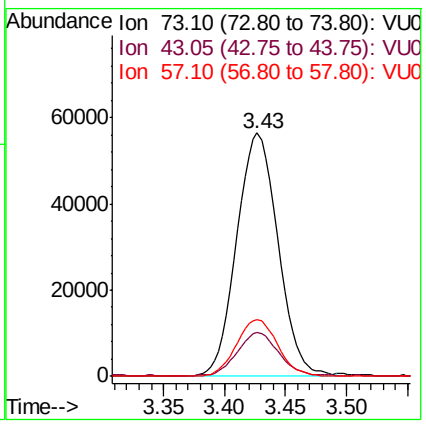


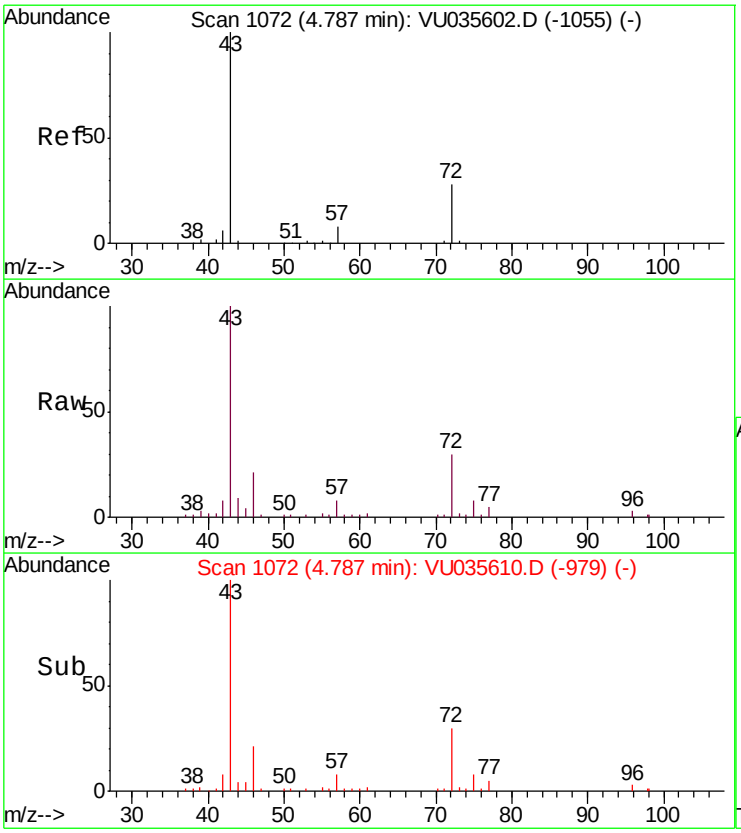
#17
Methyl tert-butyl Ether
Concen: 2.719 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument :
MSVOA_U
ClientSampleId :
A5457DL

Tgt Ion: 73 Resp: 132467

Ion	Ratio	Lower	Upper
73	100		
43	17.7	14.4	21.6
57	23.4	18.2	27.2

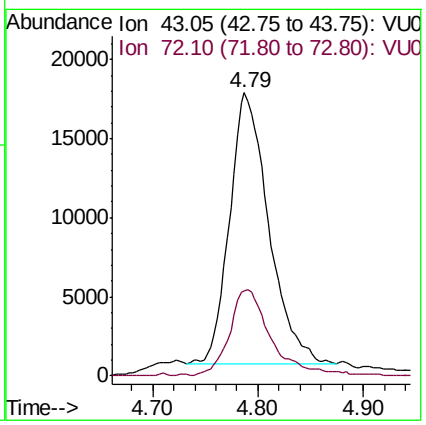


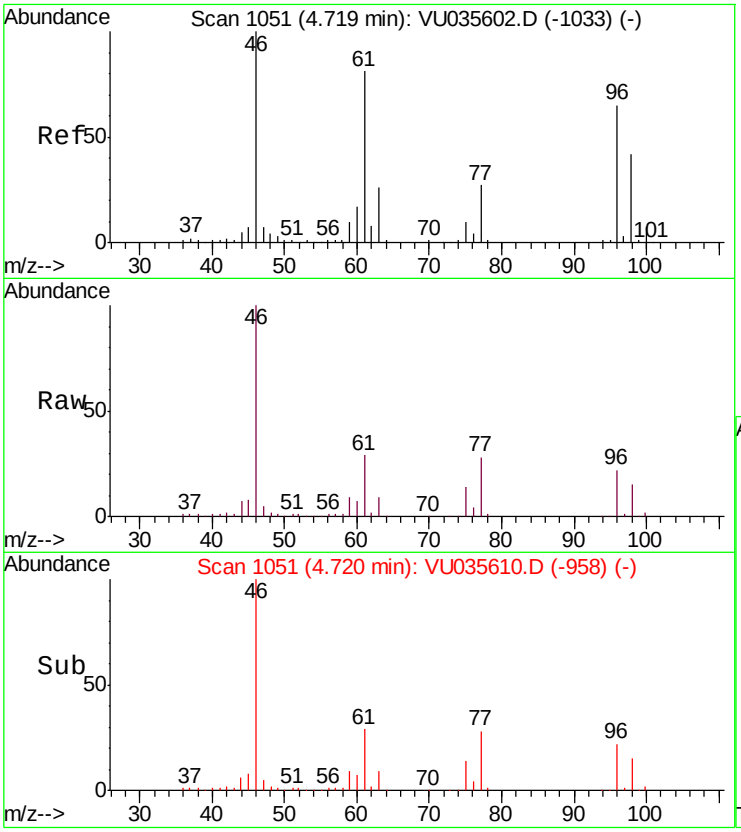


#21
2-Butanone
Concen: 7.630 ug/L
RT: 4.79 min Scan# 1072
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 43 Resp: 43890

Ion	Ratio	Lower	Upper
43	100		
72	32.4	14.3	42.9



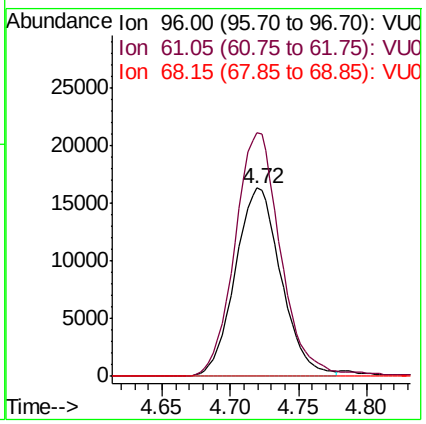


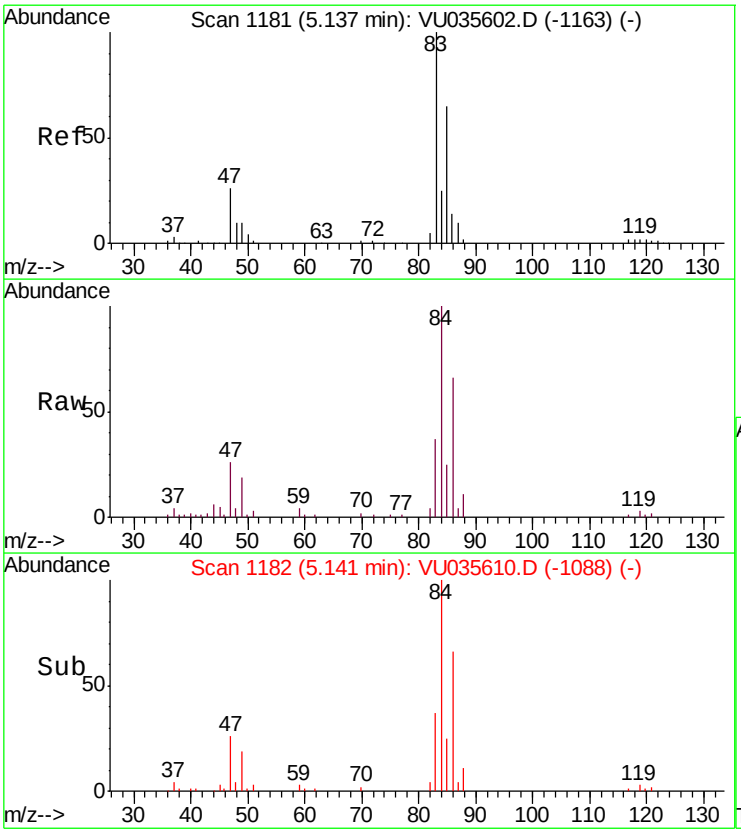
#22
cis-1,2-Dichloroethene
Concen: 1.613 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument : MSVOA_U
ClientSampleId : A5457DL

Tgt Ion: 96 Resp: 38132

Ion	Ratio	Lower	Upper
96	100		
61	129.1	87.0	161.6
68	0.0	0.0	0.0

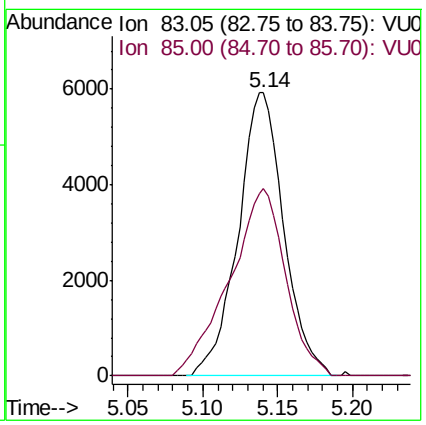


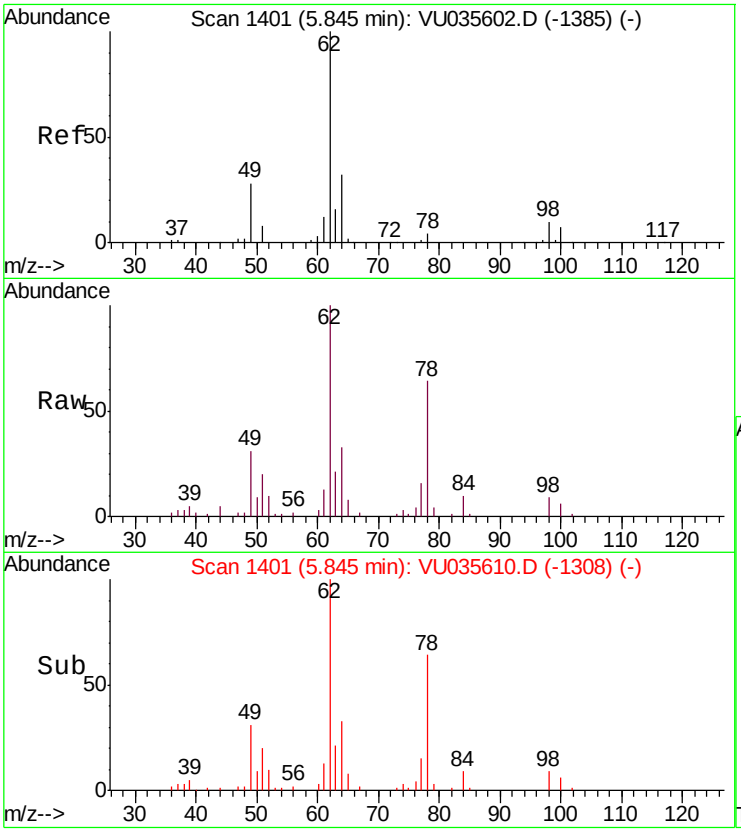


#25
Chloroform
Concen: 0.292 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 83 Resp: 12608

Ion	Ratio	Lower	Upper
83	100		
85	66.1	45.4	84.2



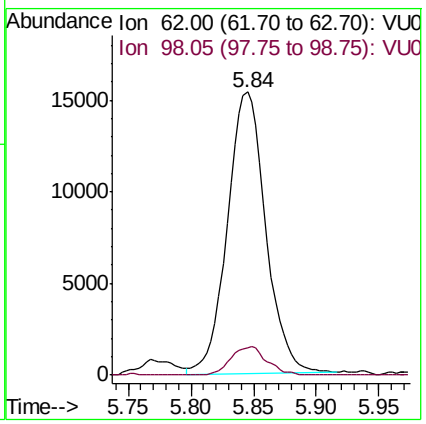


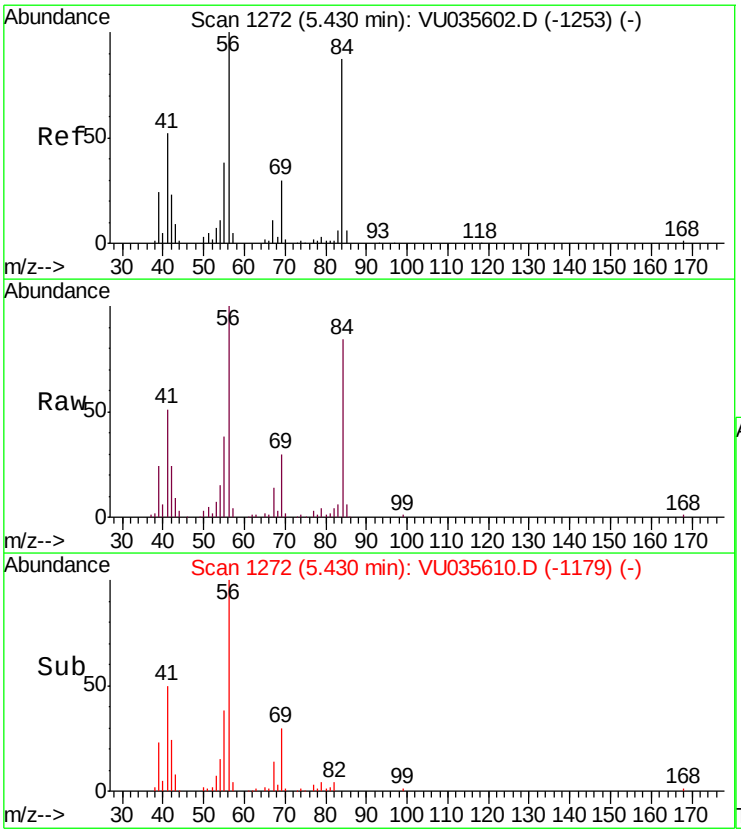
#27
1,2-Dichloroethane
Concen: 1.352 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument :
MSVOA_U
ClientSampleId :
A5457DL

Tgt Ion: 62 Resp: 32529

Ion	Ratio	Lower	Upper
62	100		
98	9.5	8.0	12.0

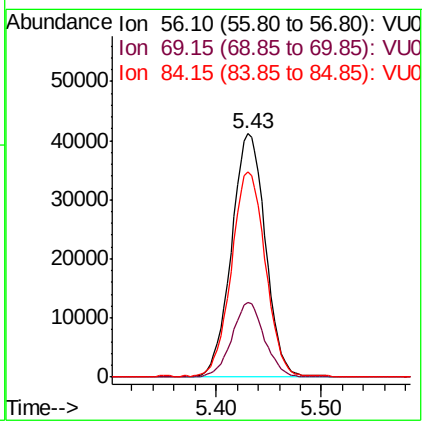


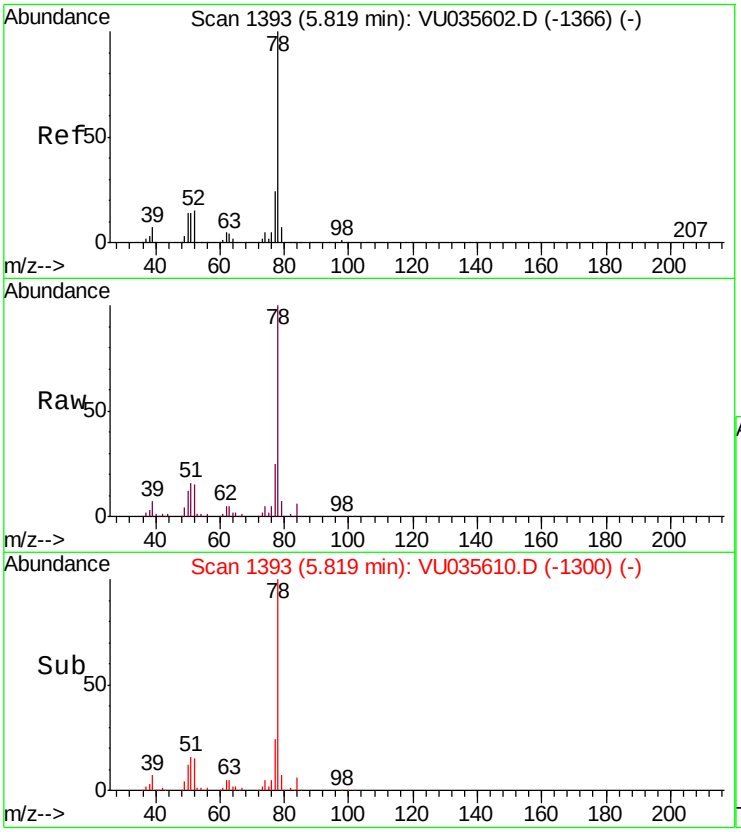


#30
Cyclohexane
Concen: 2.660 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 56 Resp: 91825

Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.6	37.0
84	83.8	69.7	104.5

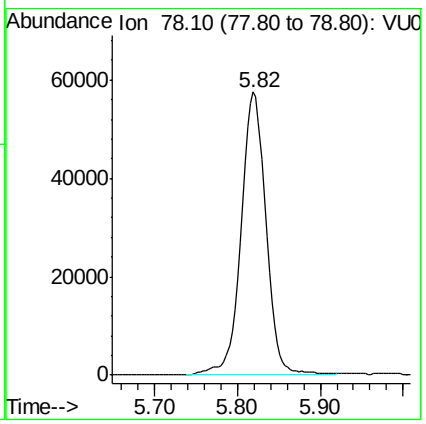


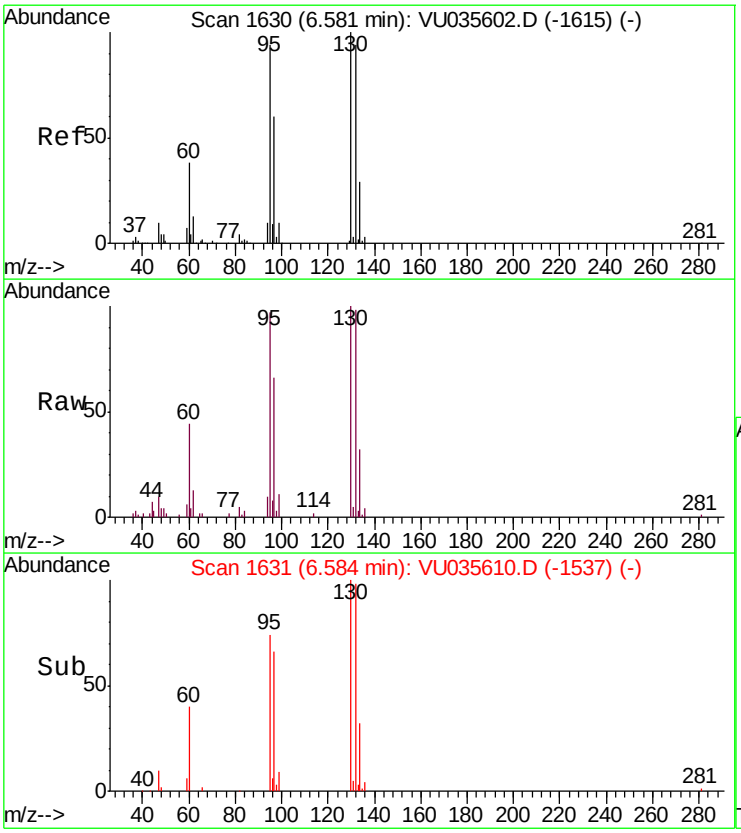


#33
Benzene
Concen: 1.306 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument :
MSVOA_U
ClientSampleId :
A5457DL

Tgt Ion: 78 Resp: 120577

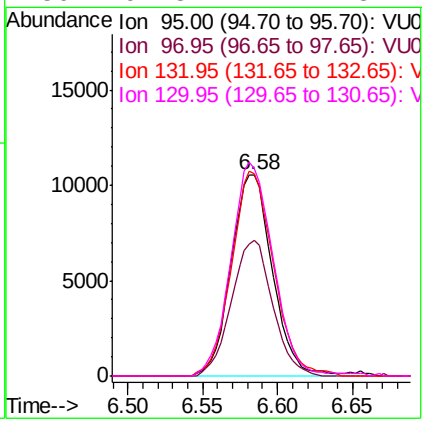


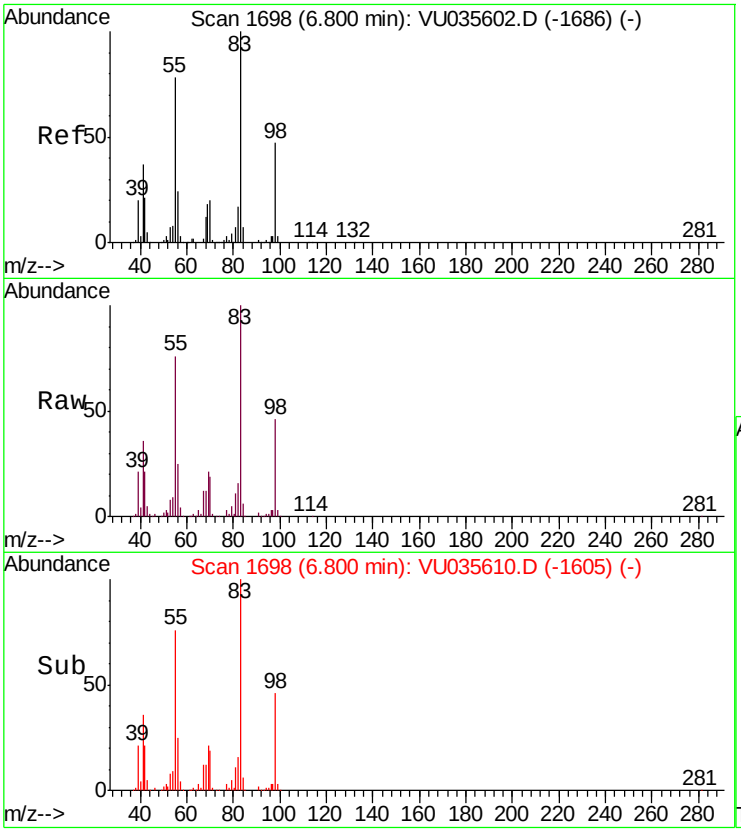


#34
Trichloroethene
Concen: 0.858 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 95 Resp: 20266

Ion	Ratio	Lower	Upper
95	100		
97	67.5	44.5	82.7
132	100.4	69.9	129.7
130	102.8	74.1	137.7



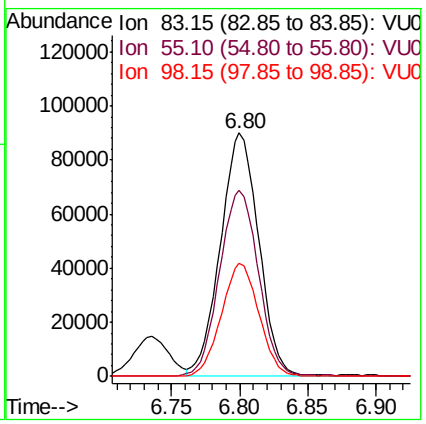


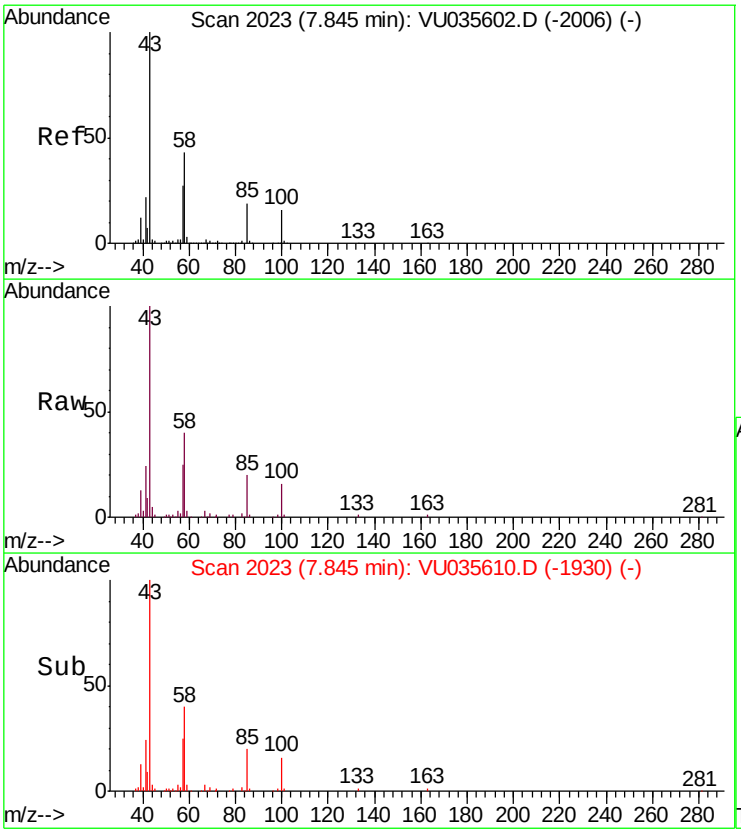
#35
Methylcyclohexane
Concen: 4.845 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument :
MSVOA_U
ClientSampleId :
A5457DL

Tgt Ion: 83 Resp: 174342

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.6	93.8
98	45.9	37.2	55.8

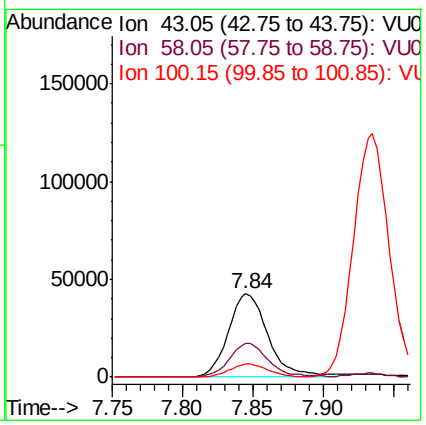


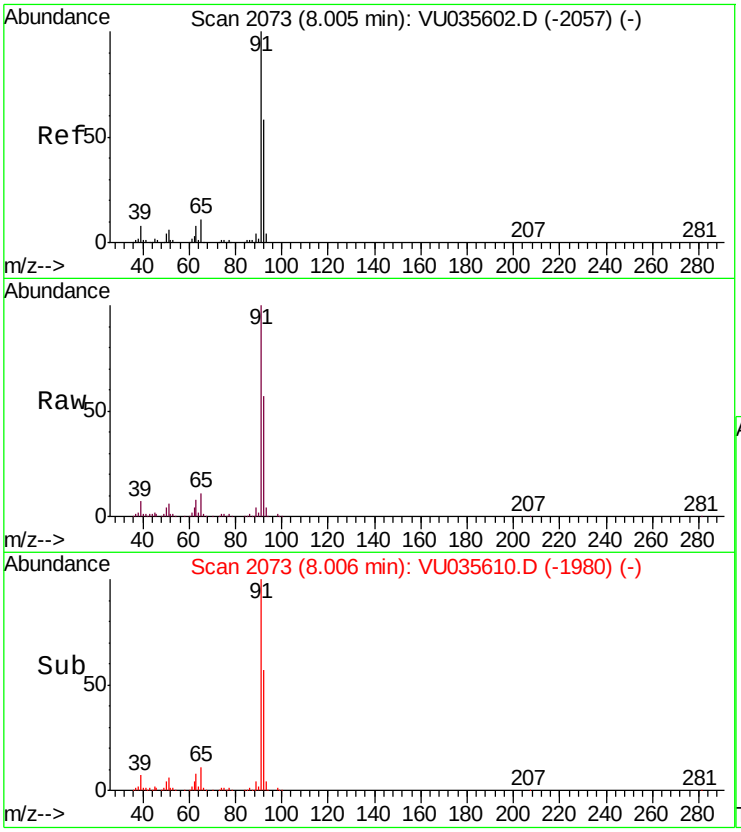


#40
4-Methyl-2-pentanone
Concen: 6.031 ug/L
RT: 7.84 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 43 Resp: 84345

Ion	Ratio	Lower	Upper
43	100		
58	39.8	33.4	50.2
100	15.1	12.7	19.1



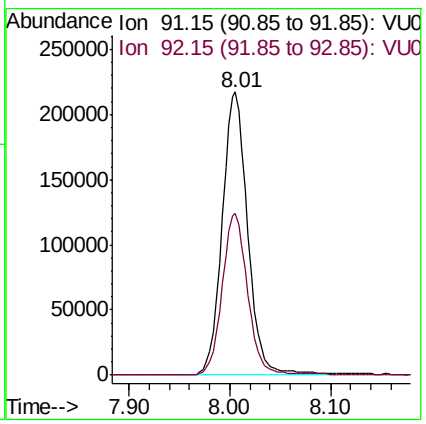


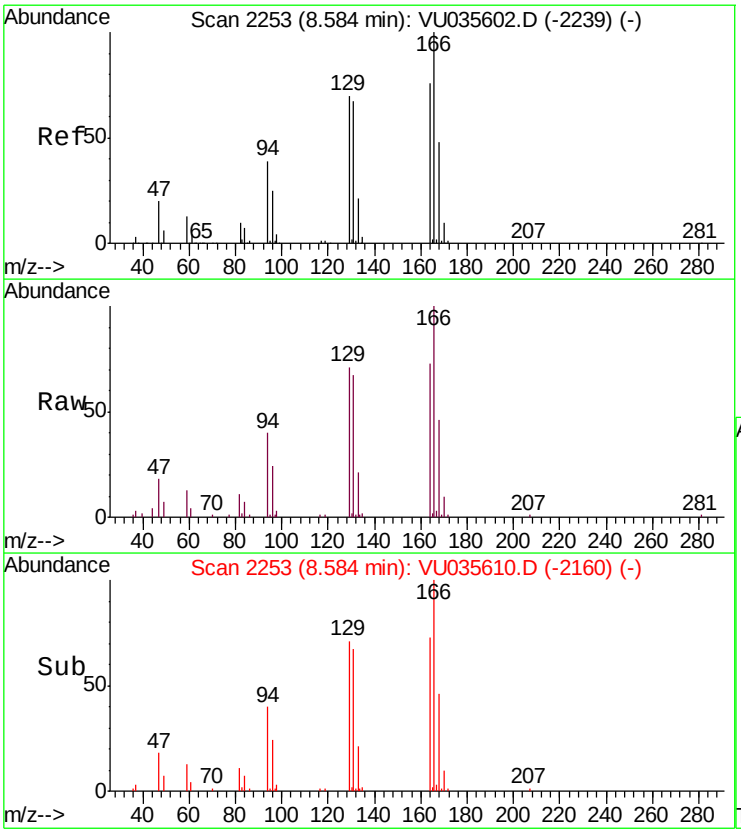
#42
Toluene
Concen: 3.952 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument : MSVOA_U
ClientSampleId : A5457DL

Tgt Ion: 91 Resp: 383838

Ion	Ratio	Lower	Upper
91	100		
92	57.0	40.5	75.3

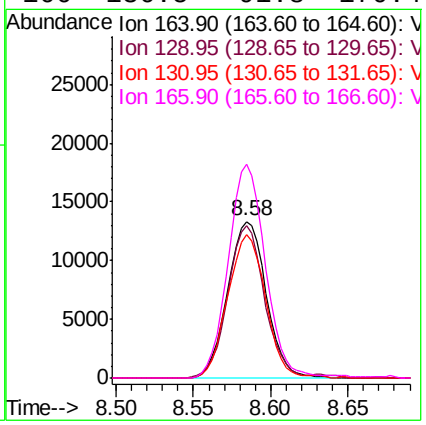


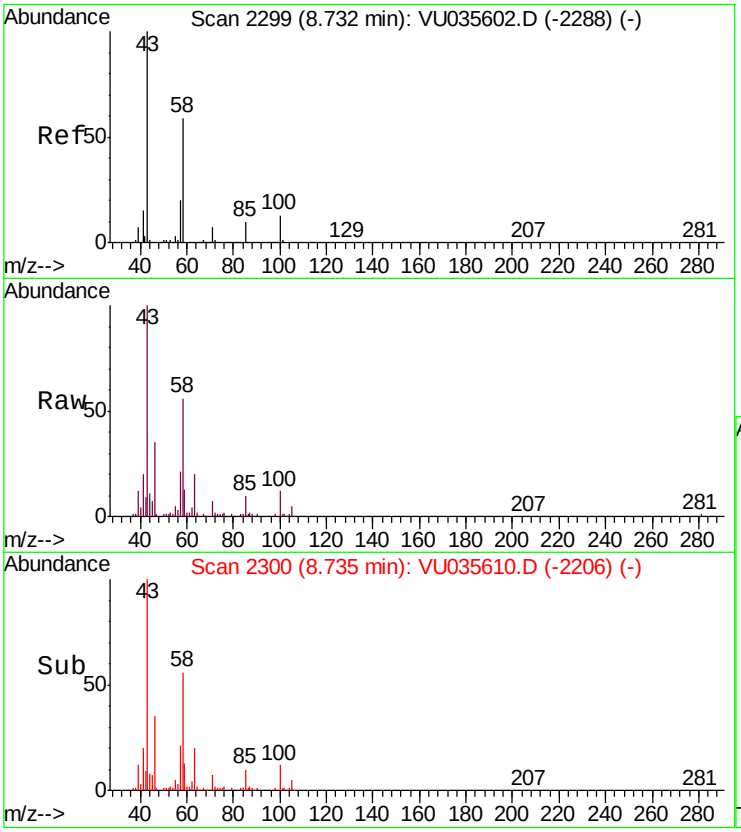


#47
Tetrachloroethene
Concen: 1.120 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion:164 Resp: 23053

Ion	Ratio	Lower	Upper
164	100		
129	97.0	64.7	120.1
131	91.5	61.6	114.4
166	136.5	91.8	170.4



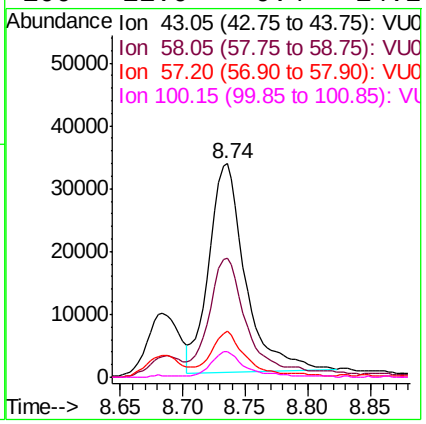


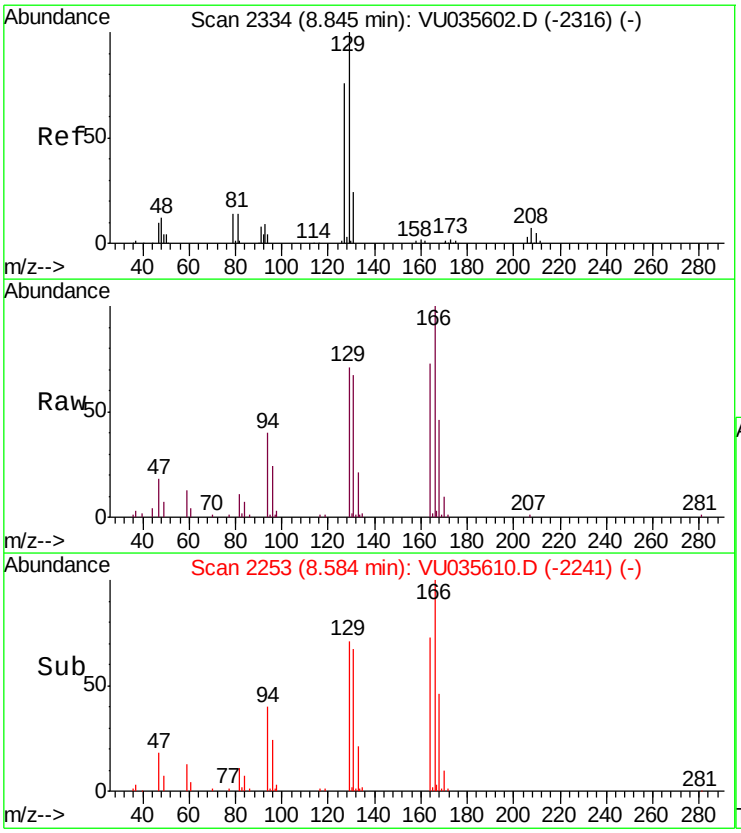
#48
2-Hexanone
Concen: 6.749 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument : MSVOA_U
ClientSampleId : A5457DL

Tgt Ion: 43 Resp: 67078

Ion	Ratio	Lower	Upper
43	100		
58	49.9	44.1	66.1
57	18.1	15.1	22.7
100	11.0	9.4	14.2

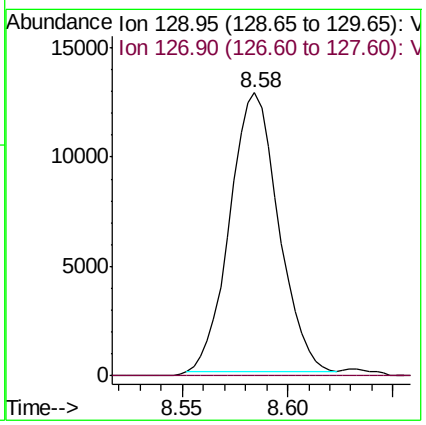


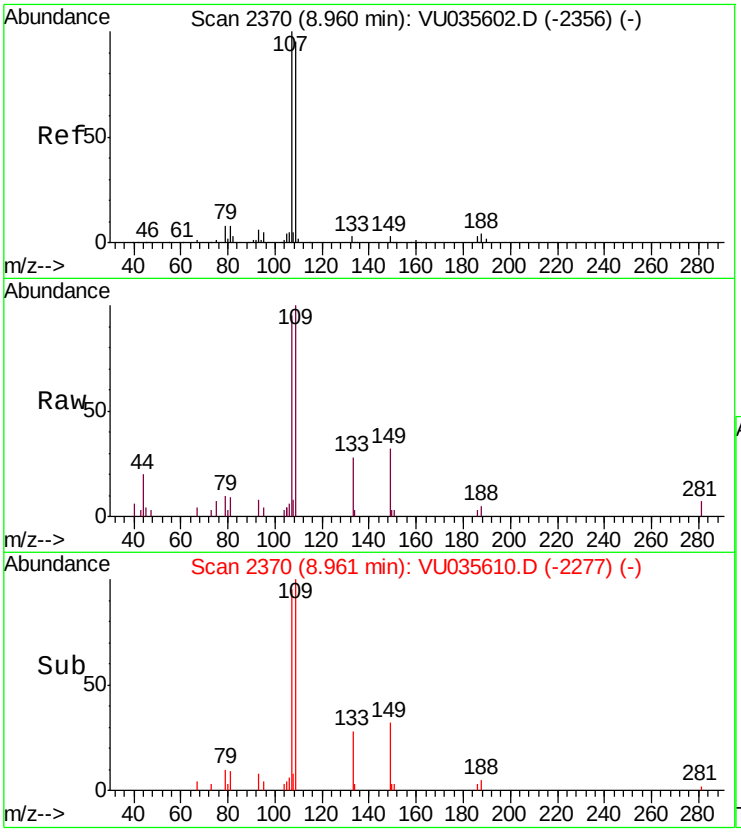


#49
Dibromochloromethane
Concen: 0.952 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion:129 Resp: 20461

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.1	98.5#



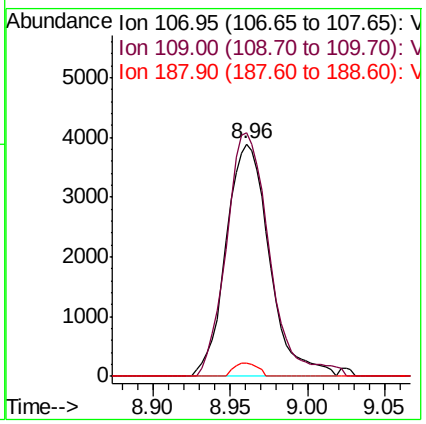


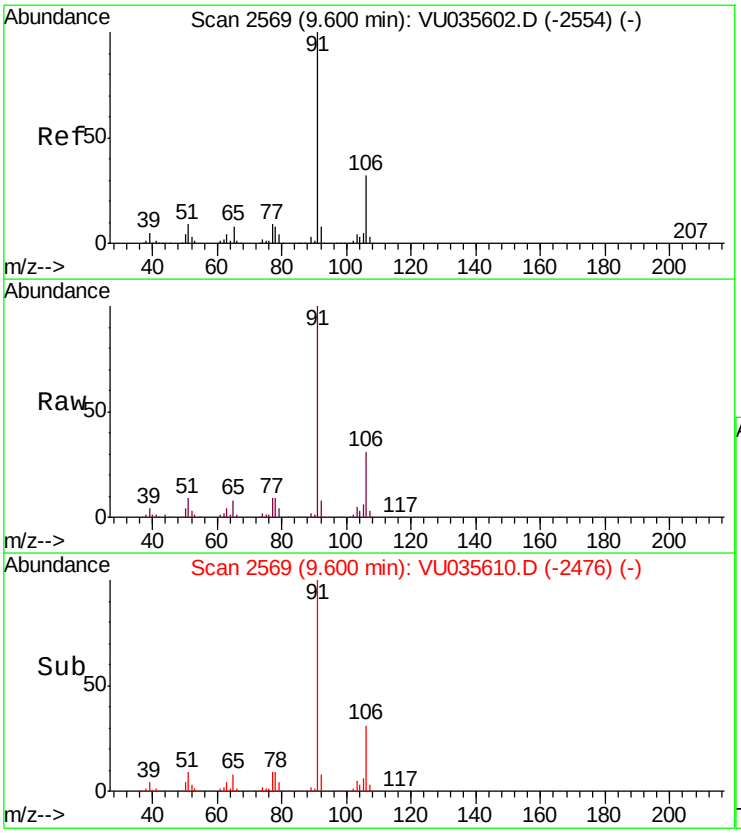
#50
1,2-Dibromoethane
Concen: 0.459 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument : MSVOA_U
ClientSampleId : A5457DL

Tgt Ion:107 Resp: 7581

Ion	Ratio	Lower	Upper
107	100		
109	104.9	66.5	123.5
188	5.5	3.1	4.7#

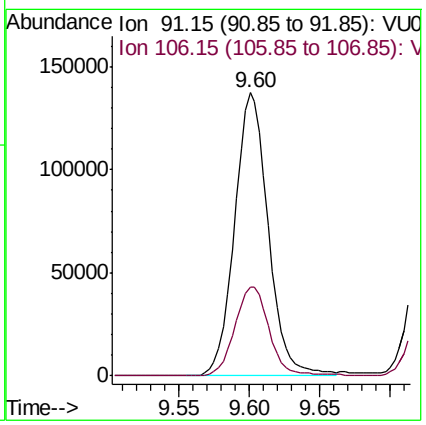


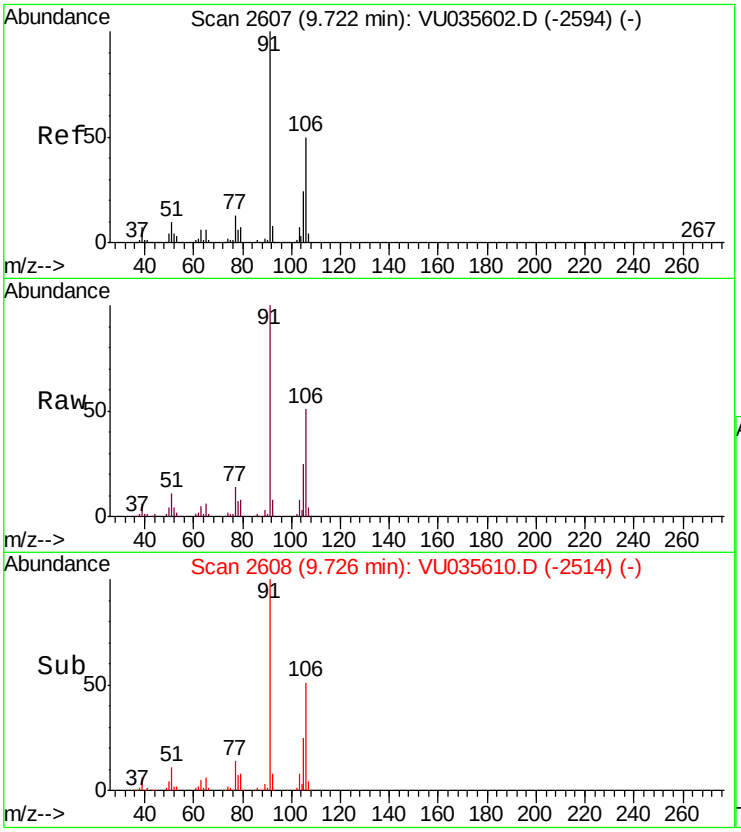


#52
Ethylbenzene
Concen: 2.248 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 91 Resp: 229764

Ion	Ratio	Lower	Upper
91	100		
106	31.4	22.4	41.6



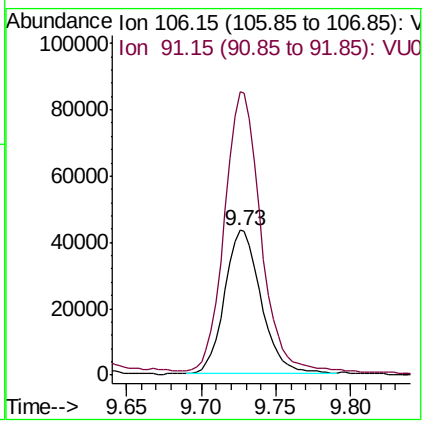


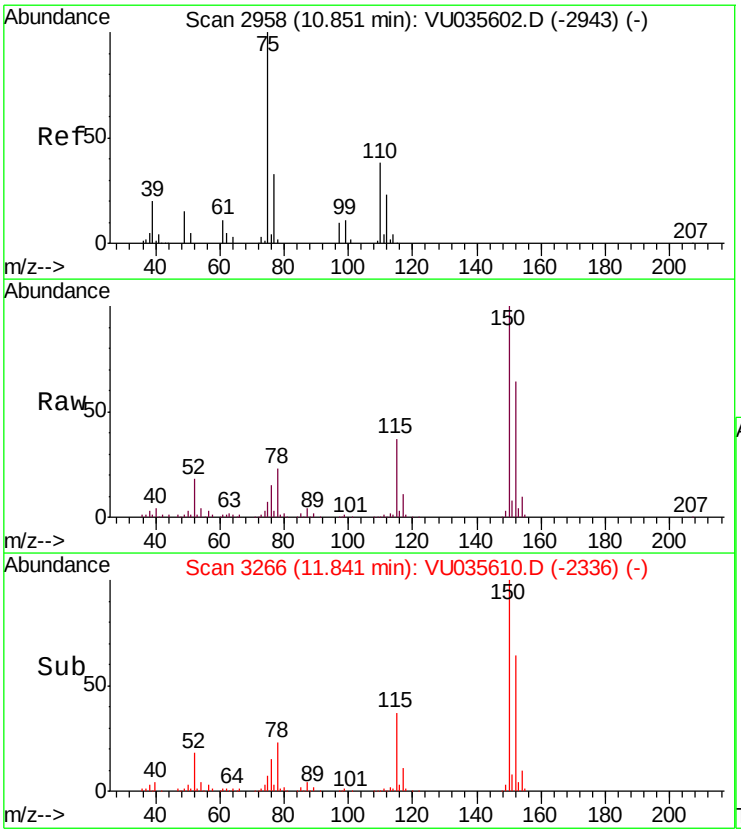
#53
m,p-Xylene
Concen: 1.905 ug/L
RT: 9.73 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument :
MSVOA_U
ClientSampleId :
A5457DL

Tgt Ion:106 Resp: 73736

Ion	Ratio	Lower	Upper
106	100		
91	195.3	139.4	259.0

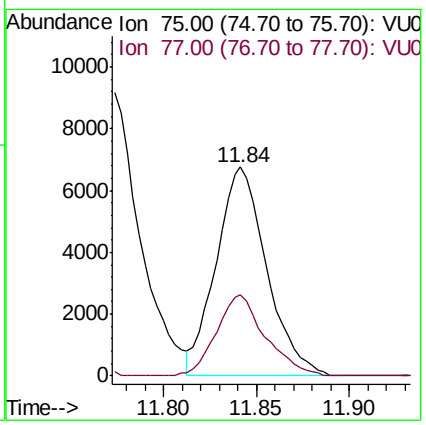


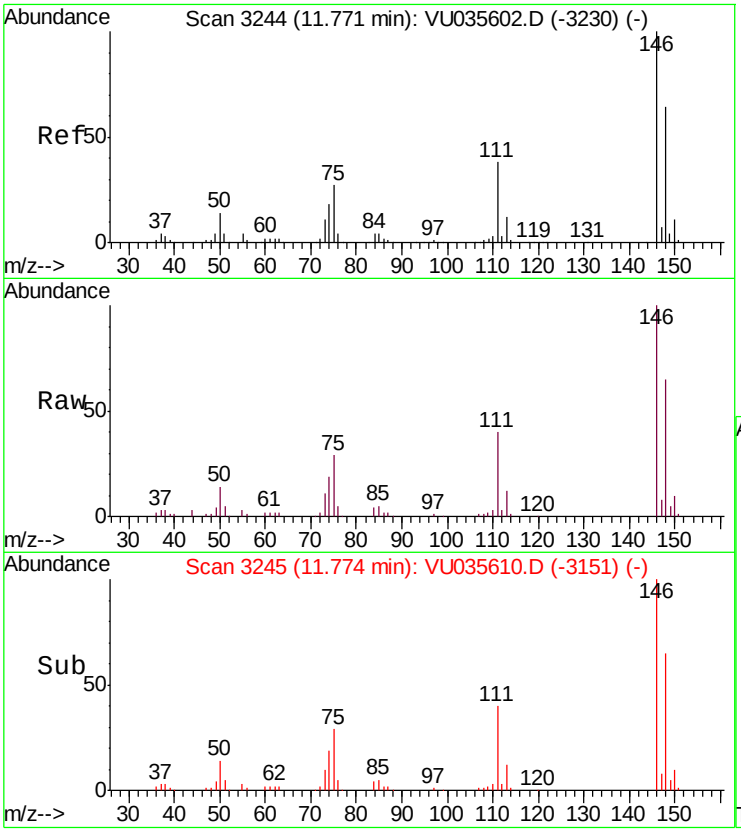


#59
1,2,3-Trichloropropane
Concen: 0.793 ug/L
RT: 11.84 min Scan# 3266
Delta R.T. 0.99 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion: 75 Resp: 12762

Ion	Ratio	Lower	Upper
75	100		
77	37.7	26.8	40.2



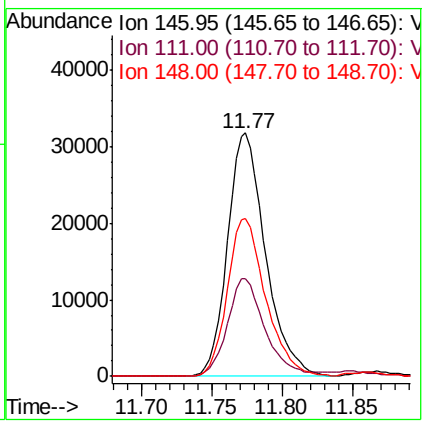


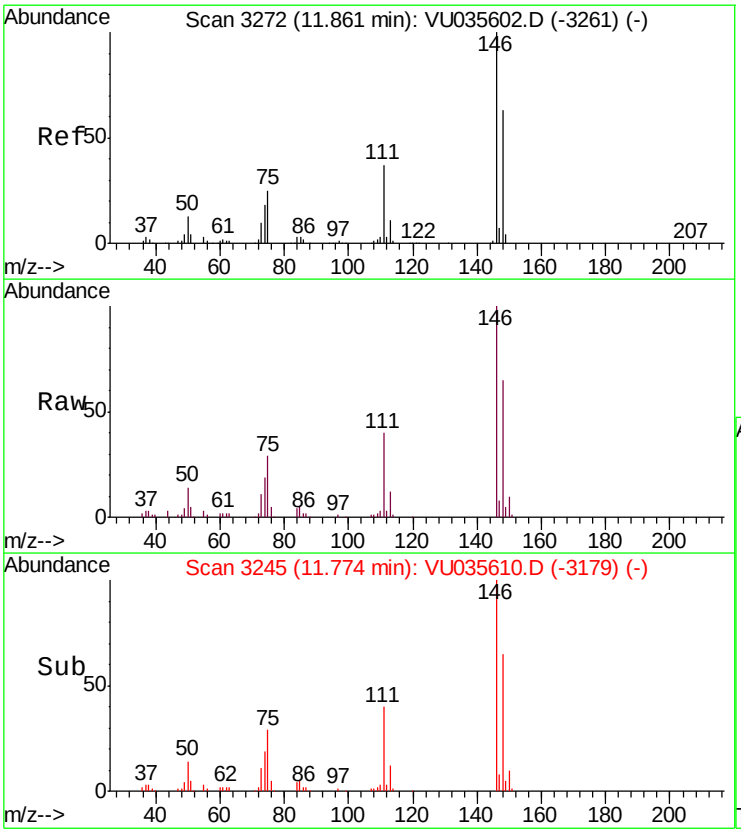
#62
1,3-Dichlorobenzene
Concen: 1.530 ug/L
RT: 11.77 min Scan# 3245
Delta R.T. 0.00 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Instrument : MSVOA_U
ClientSampleId : A5457DL

Tgt Ion:146 Resp: 59797

Ion	Ratio	Lower	Upper
146	100		
111	40.4	26.7	49.5
148	64.9	44.5	82.7





#63
1,4-Dichlorobenzene
Concen: 1.589 ug/L
RT: 11.77 min Scan# 3245
Delta R.T. -0.09 min
Lab File: VU035610.D
Acq: 04 Nov 2019 16:07

Tgt Ion:146 Resp: 59797

Ion	Ratio	Lower	Upper
146	100		
111	40.4	25.9	48.1
148	64.9	44.1	81.9