Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120619\

Quantitation Report (Not Reviewed)

Data File : VU036032.D
Acq On : 06 Dec 2019 19:00
Operator : JC/SP
Sample : K6168-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFE41

Quant Time: Dec 06 22:37:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	288793	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	299807	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	104296	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	108804	3.31	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 66.20%			
7) Chloroethane-d5	1.92	69	136219	5.16	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 103.20%			
11) 1,1-Dichloroethene-d2	2.60	63	535422	11.33	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 226.60%#			
20) 2-Butanone-d5	4.68	46	280953	48.19	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.38%			
24) Chloroform-d	5.11	84	205030	4.54	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 90.80%			
26) 1,2-Dichloroethane-d4	5.75	65	104757	4.38	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 87.60%			
32) Benzene-d6	5.77	84	381558	4.30	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 86.00%			
36) 1,2-Dichloropropane-d6	6.73	67	124498	4.33	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 86.60%			
41) Toluene-d8	7.93	98	322748	3.95	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 79.00%			
43) trans-1,3-Dichloropropene-	8.21	79	44042	3.79	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 75.80%			
46) 2-Hexanone-d5	8.67	63	248275	54.36	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 108.72%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	111289	4.61	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.20%			
64) 1,2-Dichlorobenzene-d4	12.22	152	108731	5.05	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.00%			
Target Compounds						Qvalue
3) Chloromethane	1.54	50	5553	0.163	ug/L	93
9) Trichlorofluoromethane	2.15	101	439284	10.844	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	336672	15.168	ug/L	92
12) 1,1-Dichloroethene	2.60	96	810080	39.140	ug/L #	65
13) Acetone	2.66	43	6226	1.181	ug/L	100
16) Methylene chloride	3.08	84	38069	1.187	ug/L	92
17) Methyl tert-butyl Ether	3.41	73	6368	0.131	ug/L #	91
18) trans-1,2-Dichloroethene	3.39	96	14034	0.640	ug/L	96
19) 1,1-Dichloroethane	3.92	63	629908	14.703	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	4239078	183.085	ug/L	88
25) Chloroform	5.13	83	311580	7.208	ug/L	99
27) 1,2-Dichloroethane	5.84	62	32172	1.164	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	289096	7.973	ug/L	98
30) Cyclohexane	5.42	56	5095	0.142	ug/L #	67
31) Carbon tetrachloride	5.57	117	41062	1.277	ug/L	95
33) Benzene	5.82	78	389584	4.132	ug/L	100
35) Methylcyclohexane	6.73	83	29981	0.839	ug/L #	23

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120619\

Quantitation Report (Not Reviewed)

Data File : VU036032.D
Acq On : 06 Dec 2019 19:00
Operator : JC/SP
Sample : K6168-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFE41

Quant Time: Dec 06 22:37:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,2-Dichloropropane	6.73	63	13512	0.529	ug/L	#	91
38) Bromodichloromethane	7.14	83	1837	0.060	ug/L	#	97
45) 1,1,2-Trichloroethane	8.44	97	16835	0.969	ug/L		96
48) 2-Hexanone	8.67	43	28476	2.569	ug/L	#	71
54) o-Xylene	10.13	106	42034	1.192	ug/L		87
55) Styrene	10.13	104	3830	0.065	ug/L	#	1
56) Isopropylbenzene	10.51	105	11727	0.127	ug/L		95
58) 1,1,2,2-Tetrachloroethane	10.81	83	4846	0.208	ug/L	#	90
63) 1,4-Dichlorobenzene	11.86	146	18957	0.551	ug/L		94
65) 1,2-Dichlorobenzene	12.24	146	8727	0.263	ug/L		88

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120619\

Quantitation Report (Not Reviewed)

Data File : VU036032.D
Acq On : 06 Dec 2019 19:00
Operator : JC/SP
Sample : K6168-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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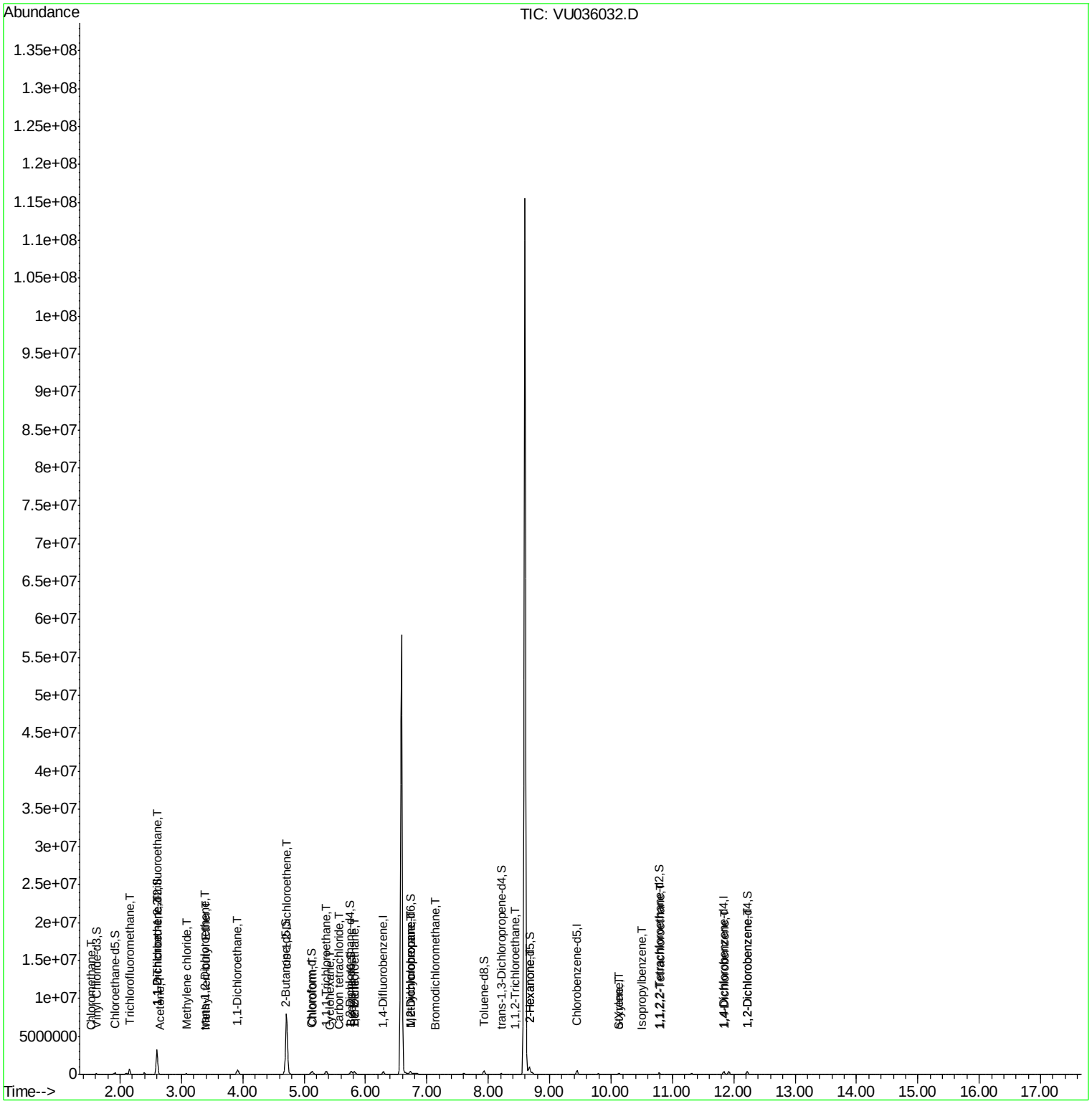
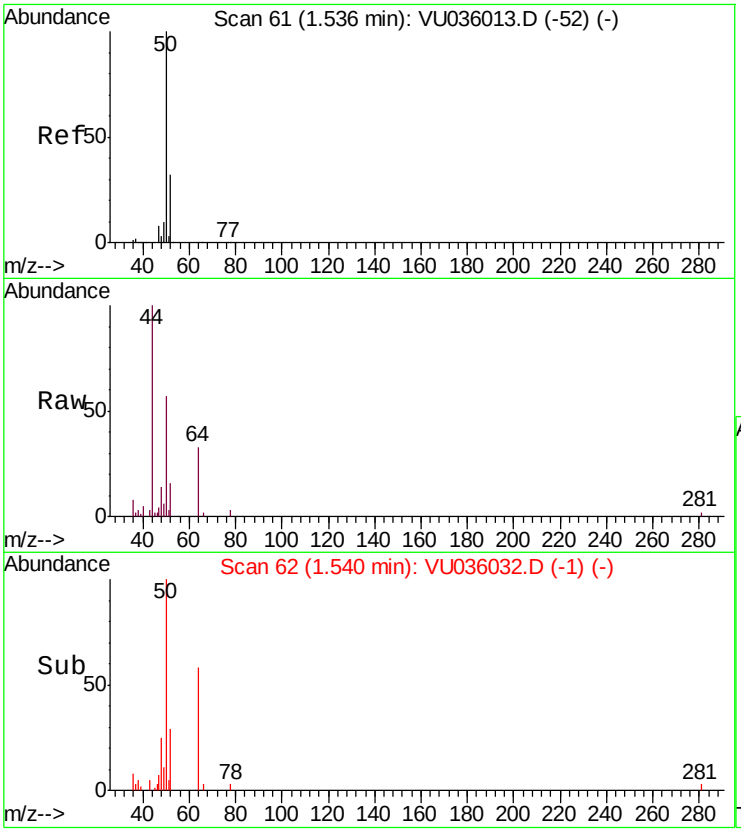
Quant Time: Dec 06 22:37:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration



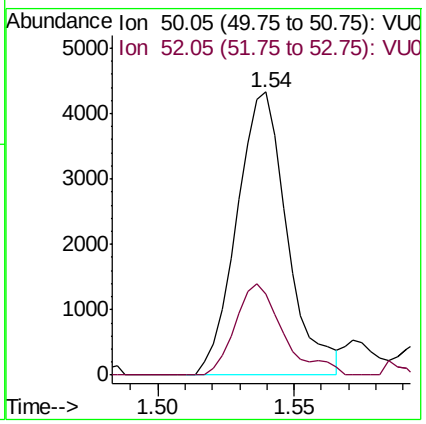


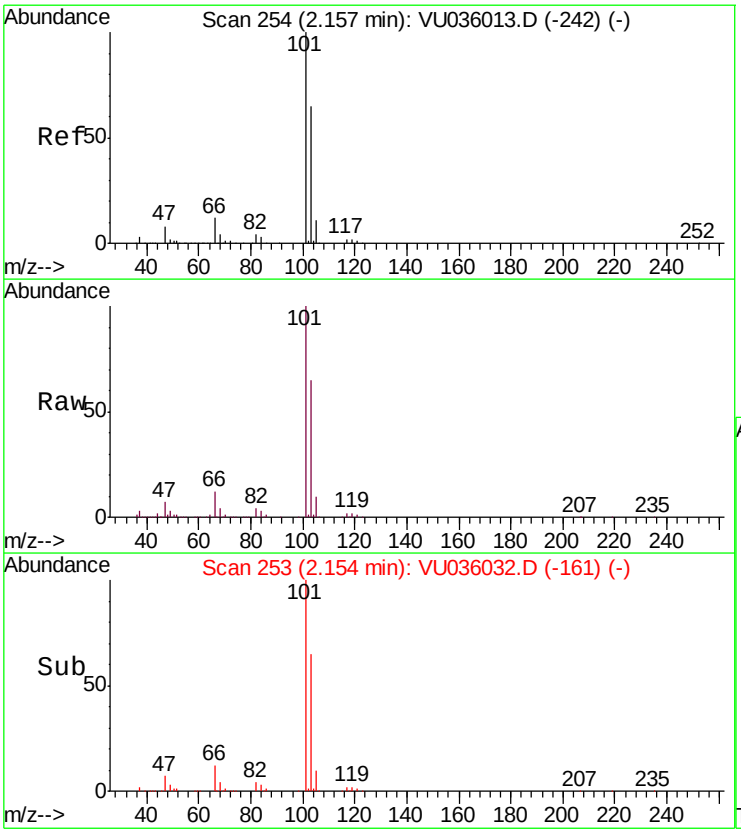
#3
Chloromethane
Concen: 0.163 ug/L
RT: 1.54 min Scan# 62
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion: 50 Resp: 5553

Ion	Ratio	Lower	Upper
50	100		
52	28.8	23.1	42.9

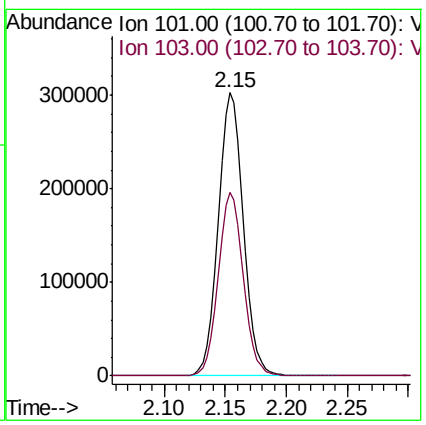


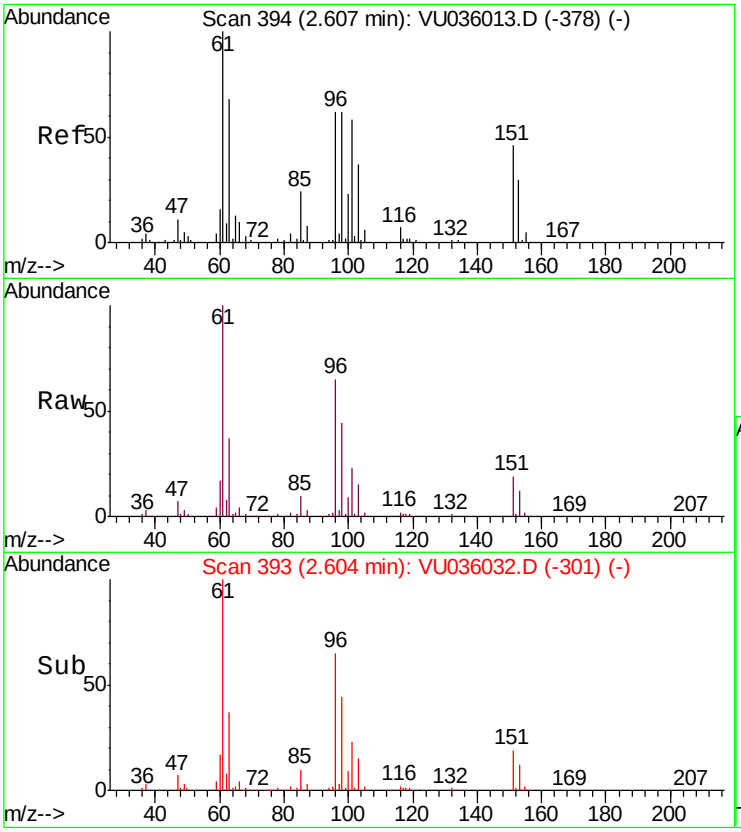


#9
Trichlorofluoromethane
Concen: 10.844 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion:101 Resp: 439284

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.8



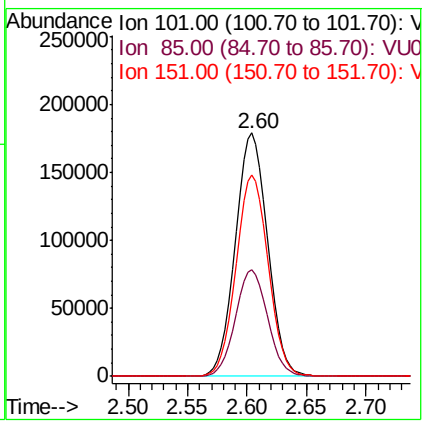


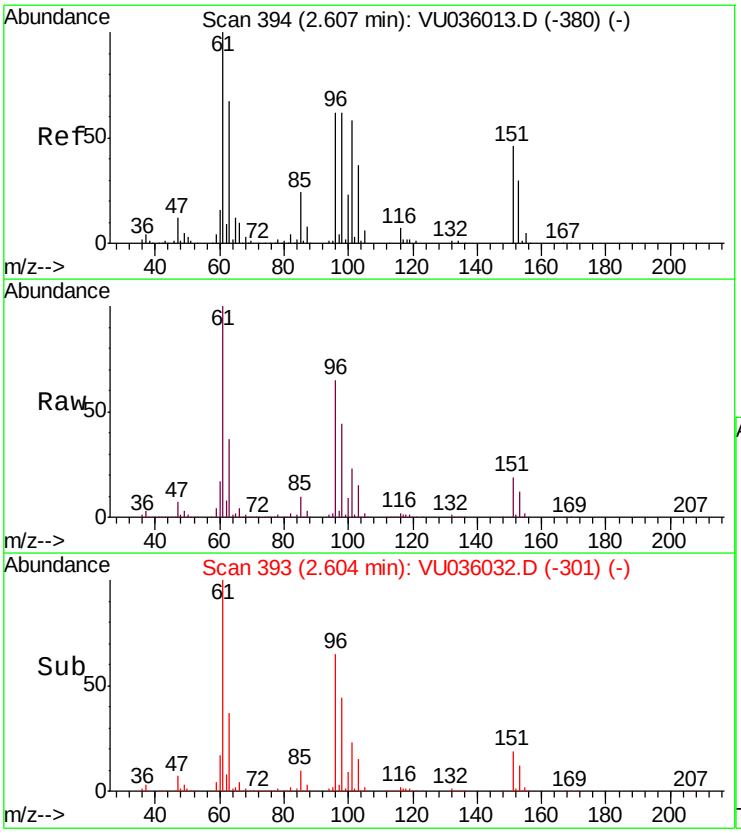
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 15.168 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion:101 Resp: 336672

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	82.6	57.5	86.3

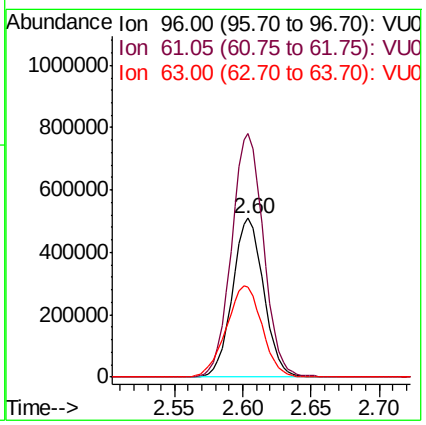


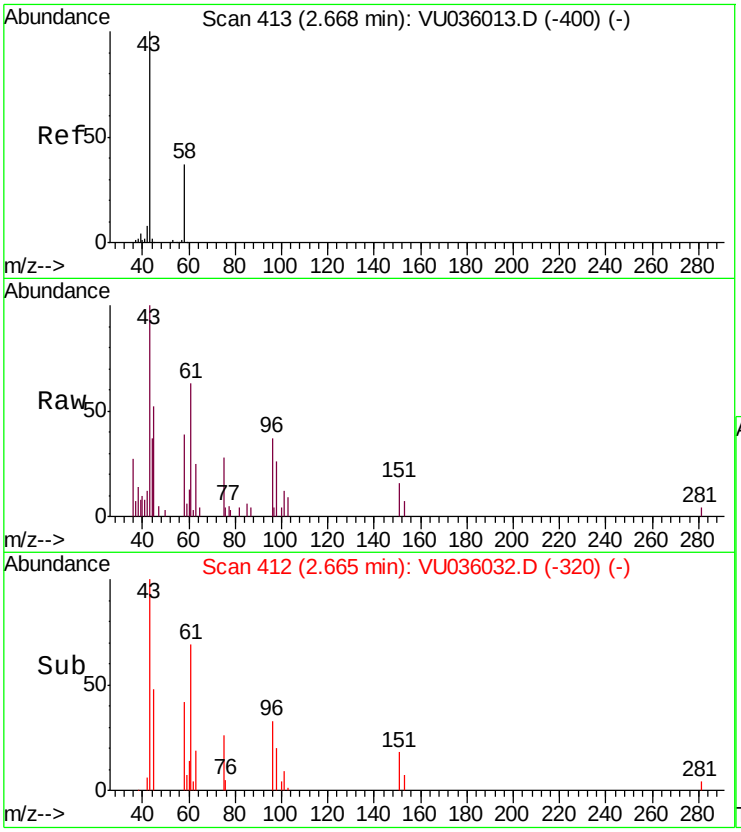


#12
1,1-Dichloroethene
Concen: 39.140 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 96 Resp: 810080

Ion	Ratio	Lower	Upper
96	100		
61	153.5	127.1	236.1
63	56.8	86.0	159.8#



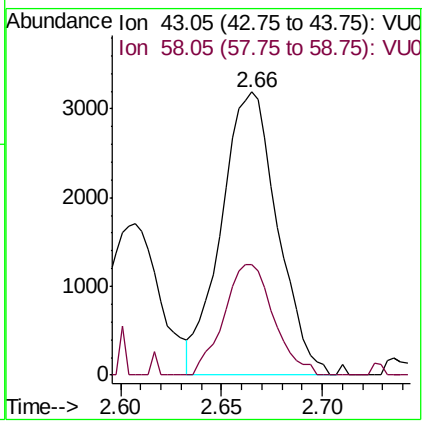


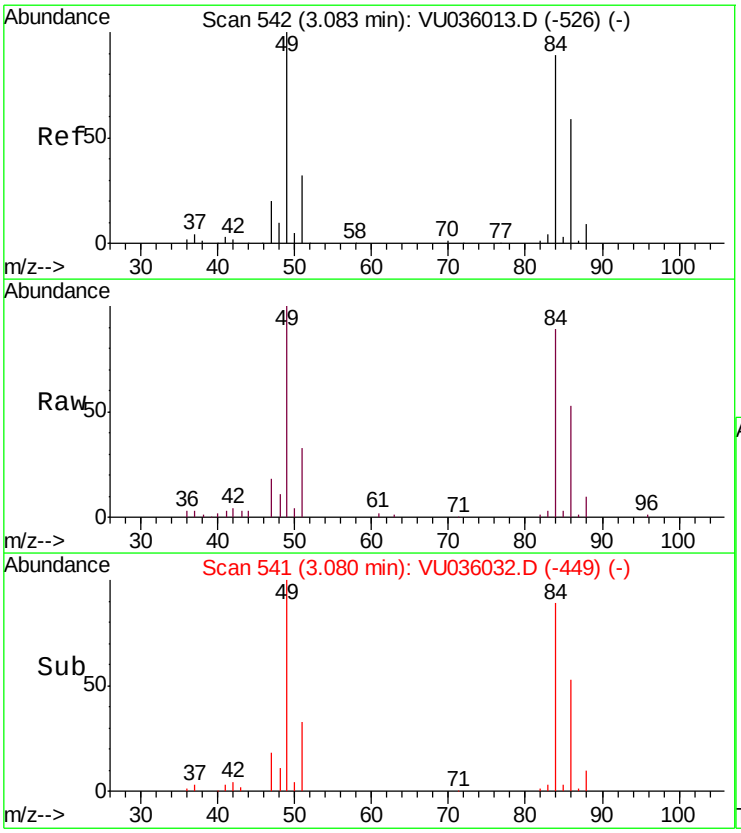
#13
Acetone
Concen: 1.181 ug/L
RT: 2.66 min Scan# 412
Delta R.T. -0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion: 43 Resp: 6226

Ion	Ratio	Lower	Upper
43	100		
58	34.5	0.0	68.6

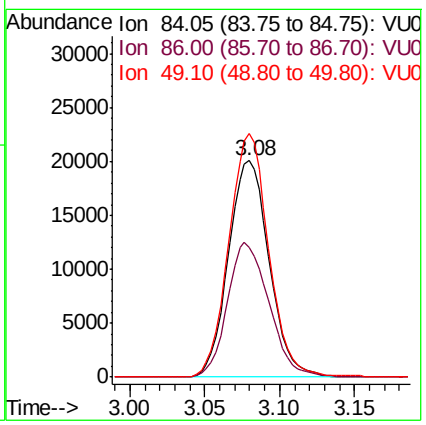


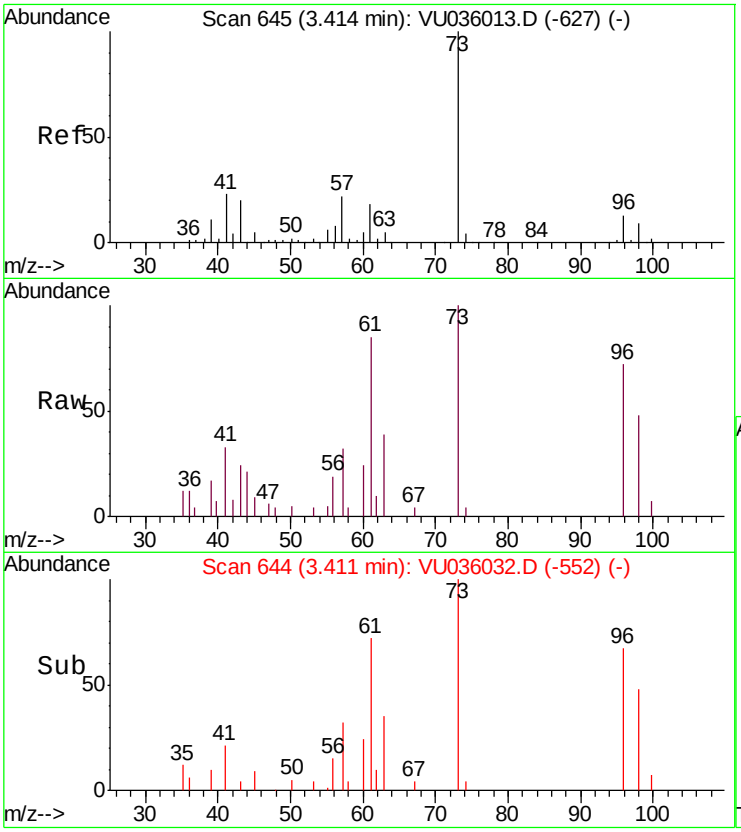


#16
Methylene chloride
Concen: 1.187 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 84 Resp: 38069

Ion	Ratio	Lower	Upper
84	100		
86	59.8	44.7	82.9
49	112.6	86.2	160.2



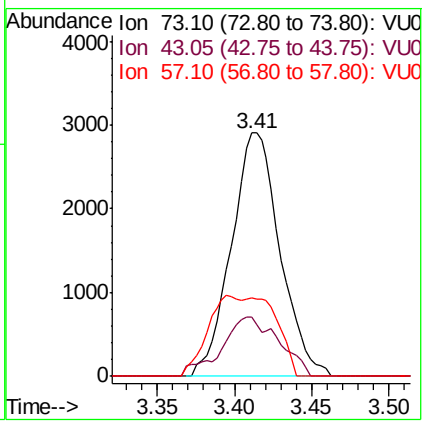


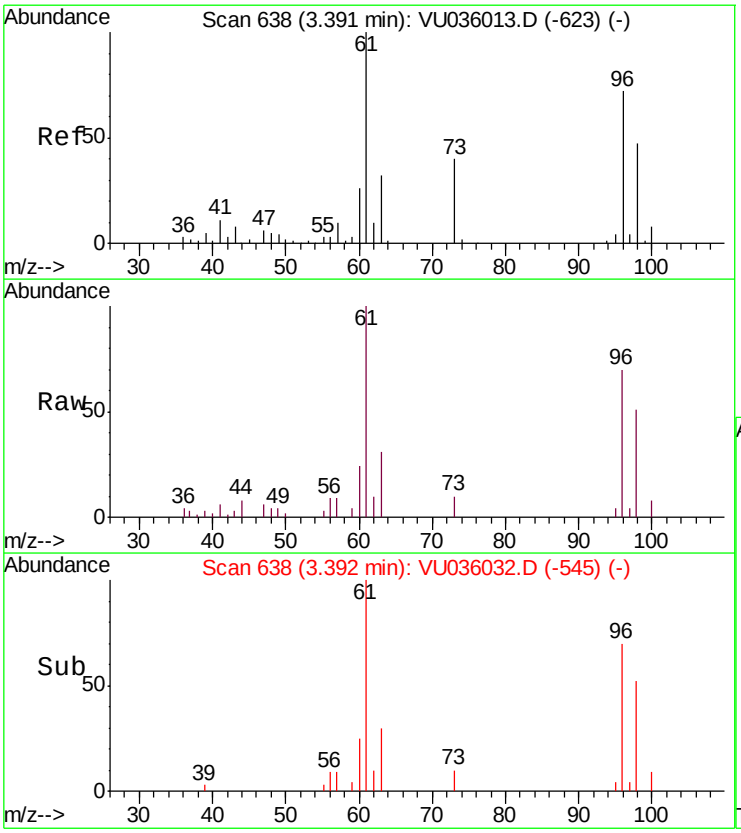
#17
Methyl tert-butyl Ether
Concen: 0.131 ug/L
RT: 3.41 min Scan# 644
Delta R.T. -0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument : MSVOA_U
ClientSampleId : BFE41

Tgt Ion: 73 Resp: 6368

Ion	Ratio	Lower	Upper
73	100		
43	28.4	15.9	23.9#
57	23.1	18.8	28.2

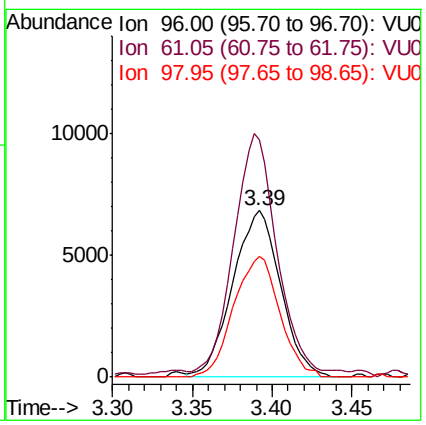


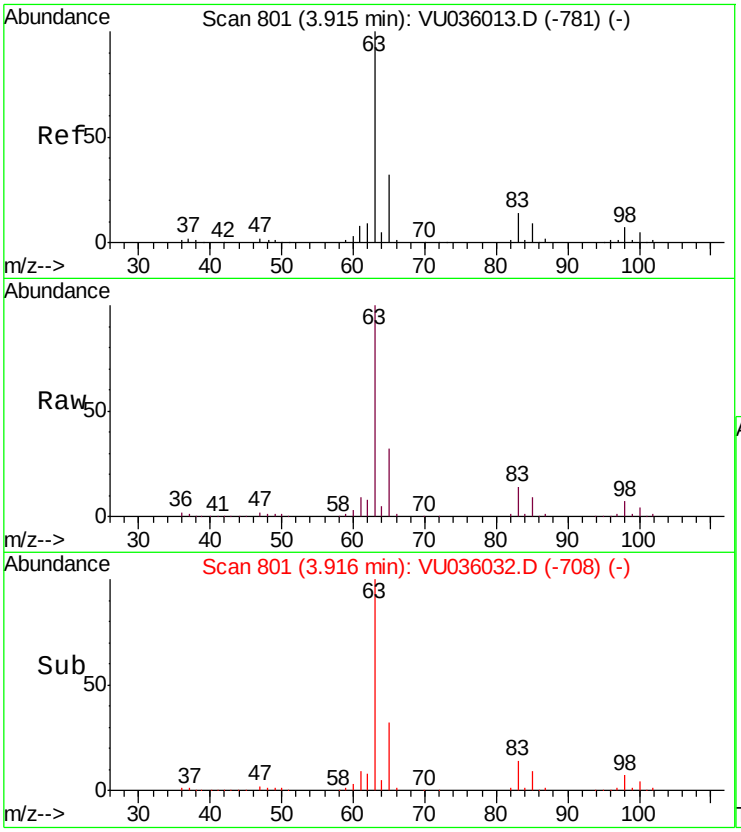


#18
trans-1,2-Dichloroethene
Concen: 0.640 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 96 Resp: 14034

Ion	Ratio	Lower	Upper
96	100		
61	142.7	101.2	187.8
98	72.8	45.0	83.6



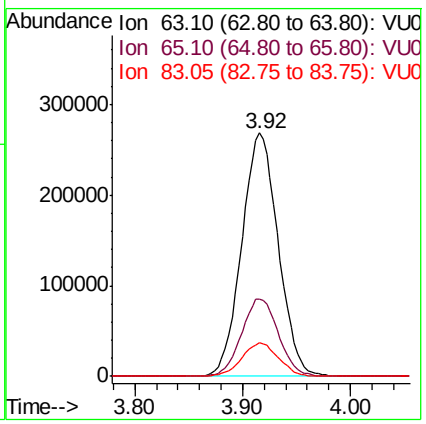


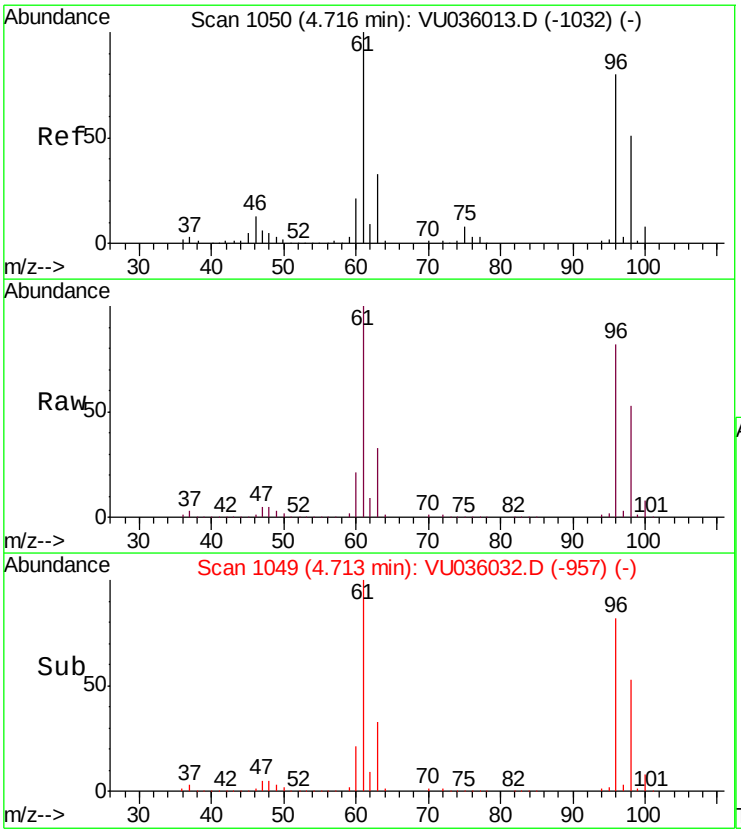
#19
1,1-Dichloroethane
Concen: 14.703 ug/L
RT: 3.92 min Scan# 801
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument : MSVOA_U
ClientSampleId : BFE41

Tgt Ion: 63 Resp: 629908

Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.4	41.6
83	13.6	9.8	18.2

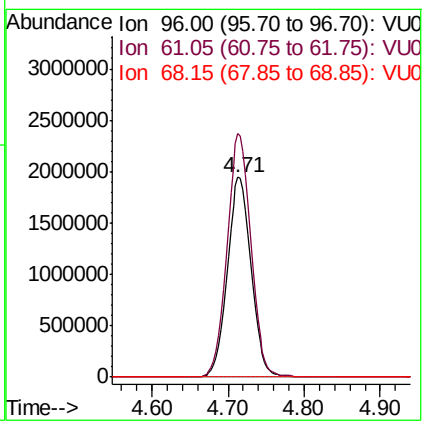


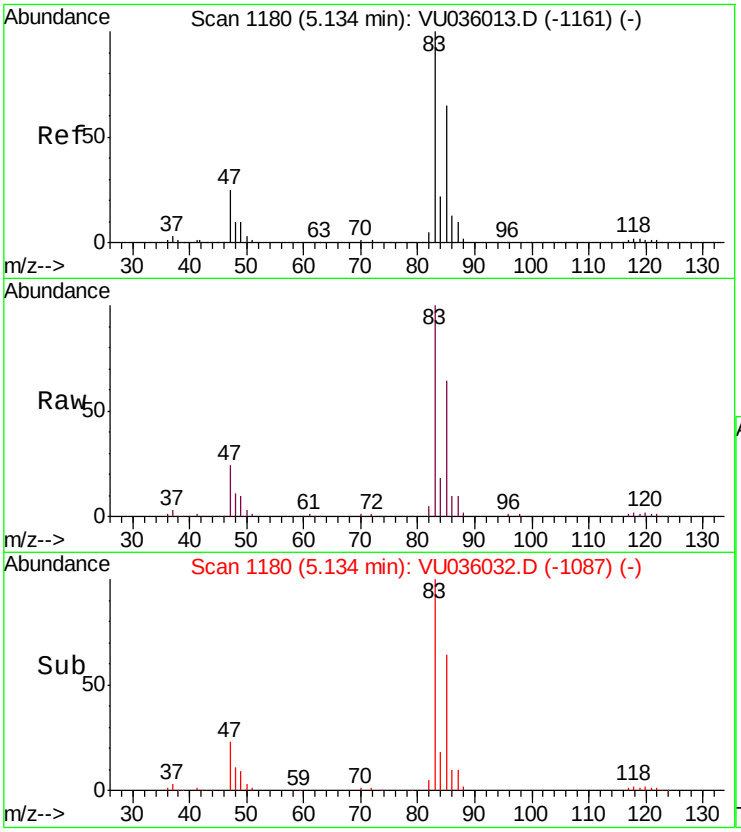


#22
cis-1,2-Dichloroethene
Concen: 183.085 ug/L
RT: 4.71 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 96 Resp: 4239078

Ion	Ratio	Lower	Upper
96	100		
61	121.8	95.7	177.7
68	0.0	0.0	0.0



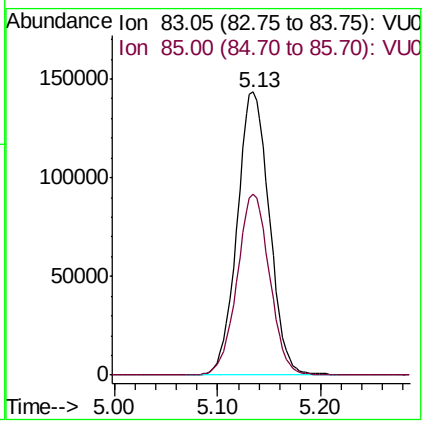


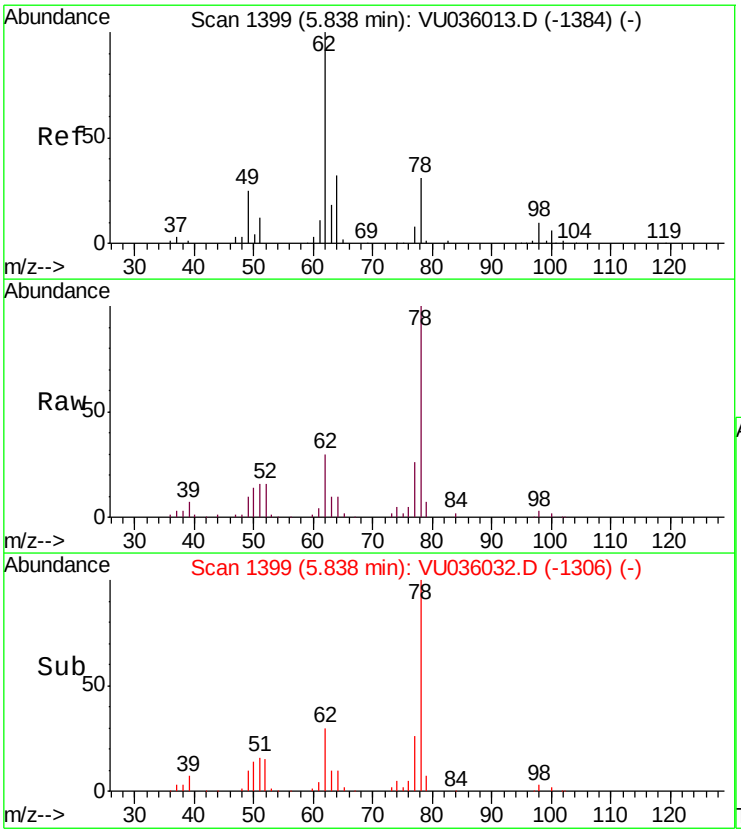
#25
Chloroform
Concen: 7.208 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion: 83 Resp: 311580

Ion	Ratio	Lower	Upper
83	100		
85	64.0	45.4	84.2

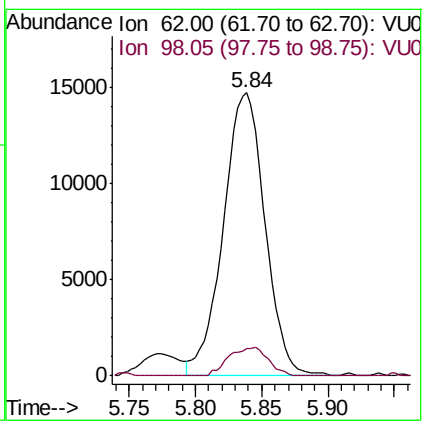


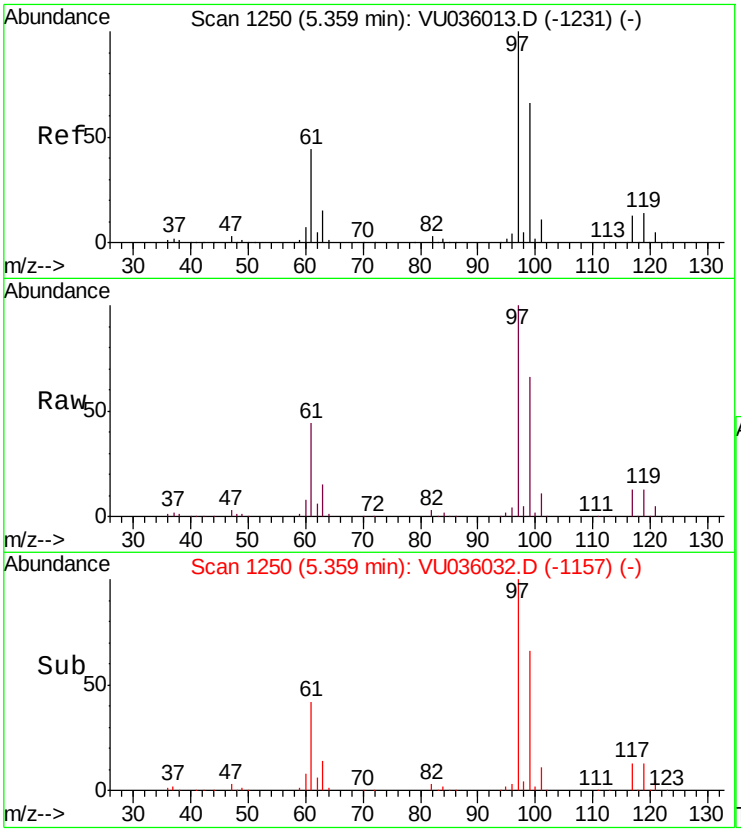


#27
1,2-Dichloroethane
Concen: 1.164 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 62 Resp: 32172

Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.6	11.4



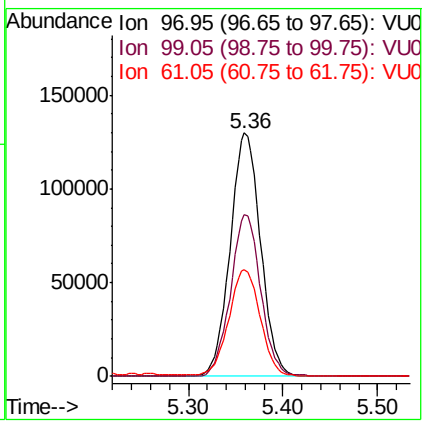


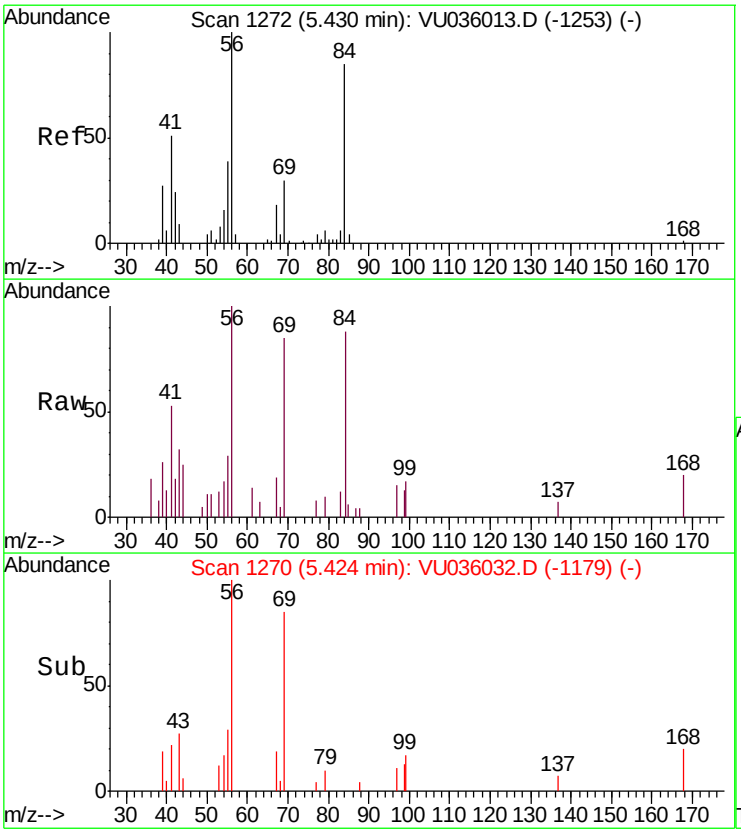
#29
1,1,1-Trichloroethane
Concen: 7.973 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion: 97 Resp: 289096

Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.8	77.8
61	46.1	37.6	56.4

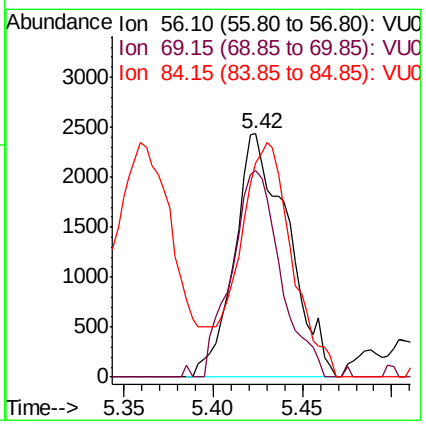


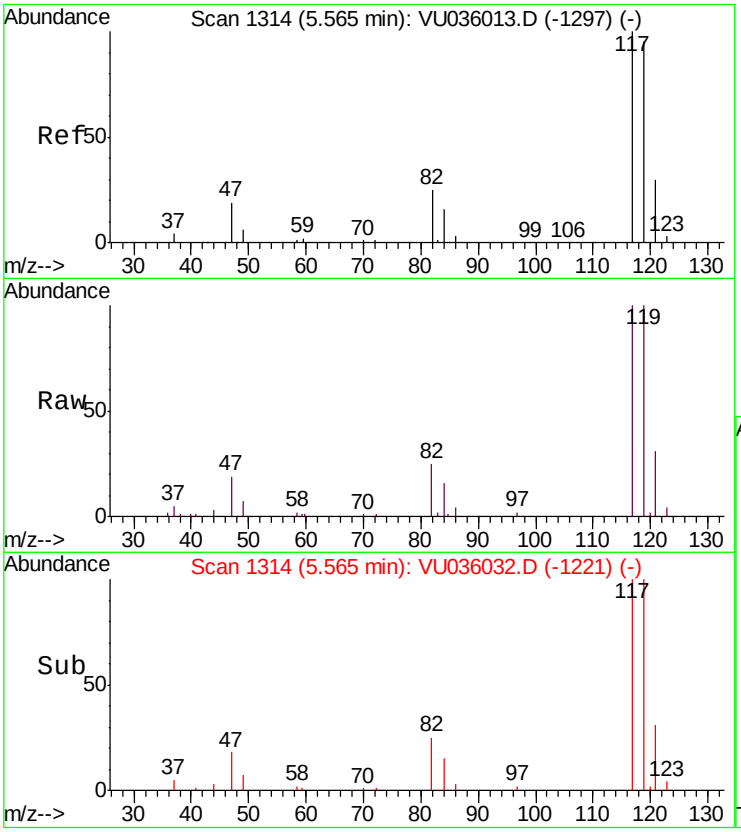


#30
Cyclohexane
Concen: 0.142 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 56 Resp: 5095

Ion	Ratio	Lower	Upper
56	100		
69	77.7	24.0	36.0#
84	95.4	66.9	100.3



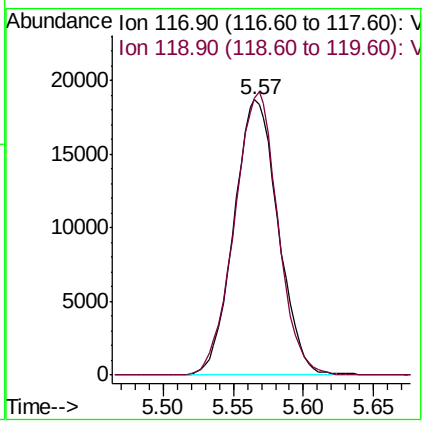


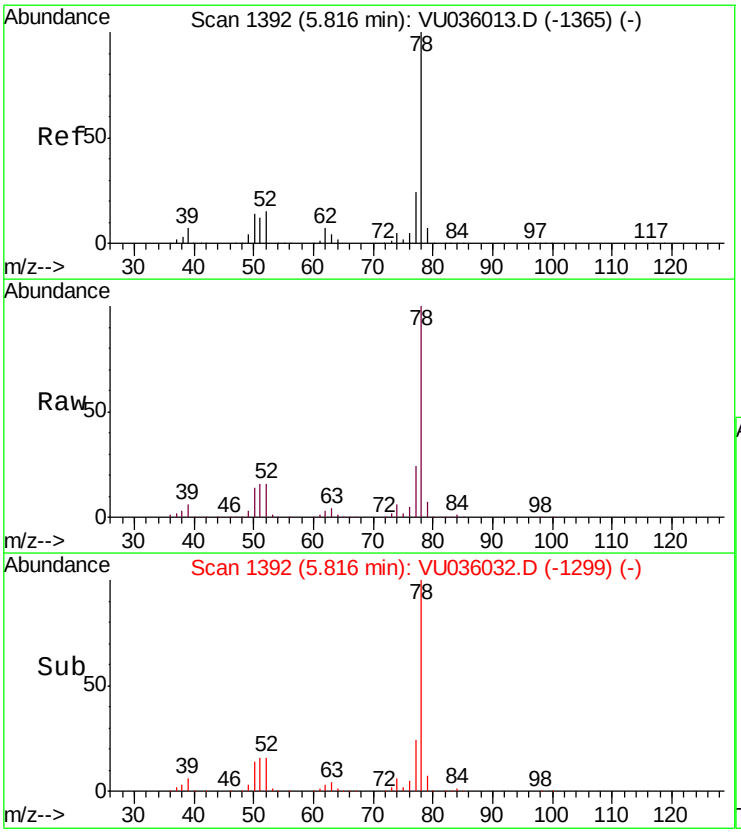
#31
Carbon tetrachloride
Concen: 1.277 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion:117 Resp: 41062

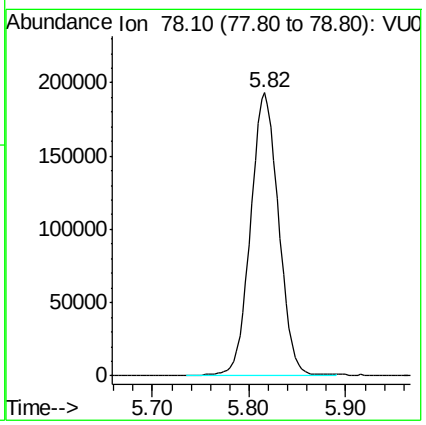
Ion	Ratio	Lower	Upper
117	100		
119	100.7	76.9	115.3

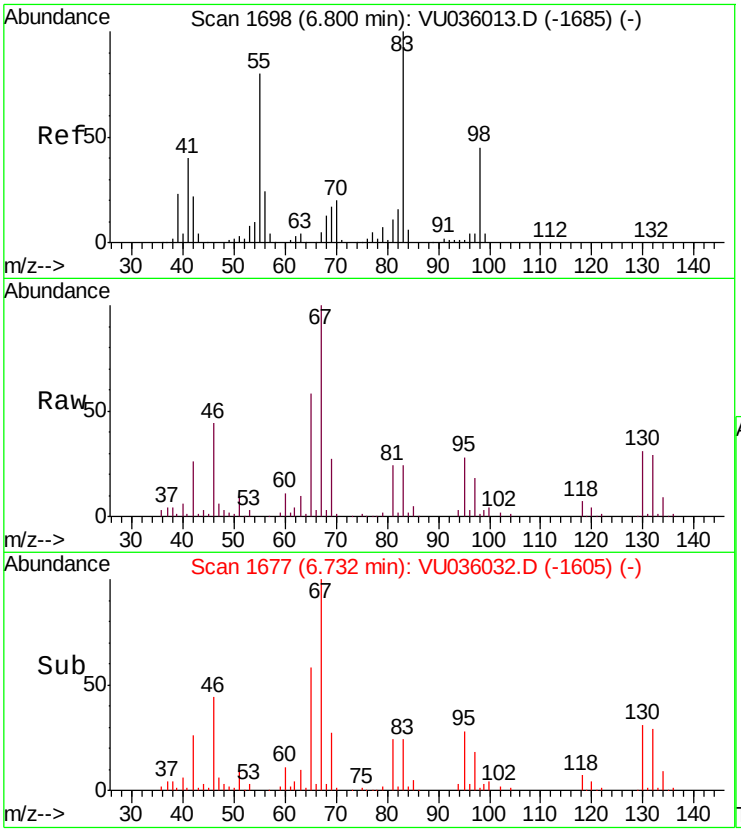




#33
Benzene
Concen: 4.132 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 78 Resp: 389584



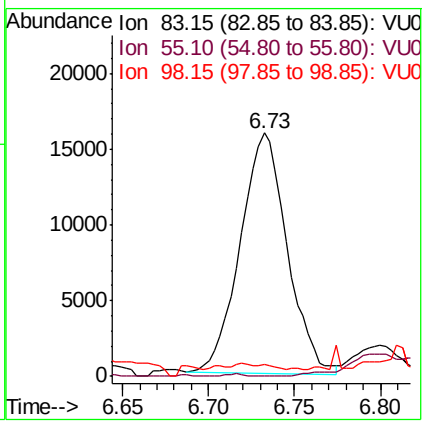


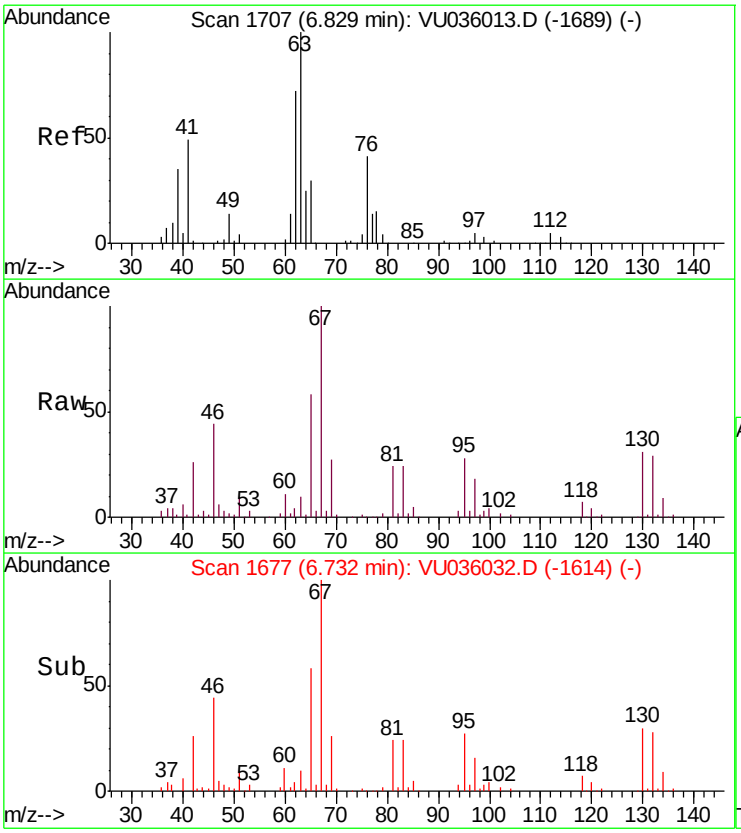
#35
Methylcyclohexane
Concen: 0.839 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion: 83 Resp: 29981

Ion	Ratio	Lower	Upper
83	100		
55	10.2	67.4	101.0#
98	0.0	34.6	52.0#

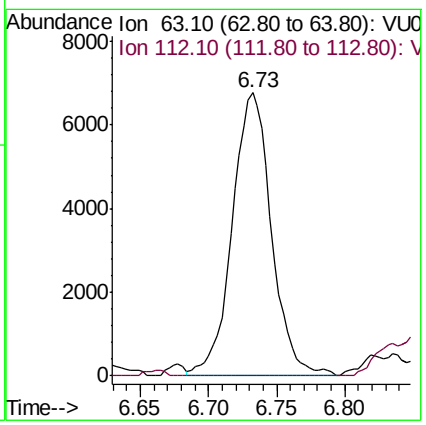


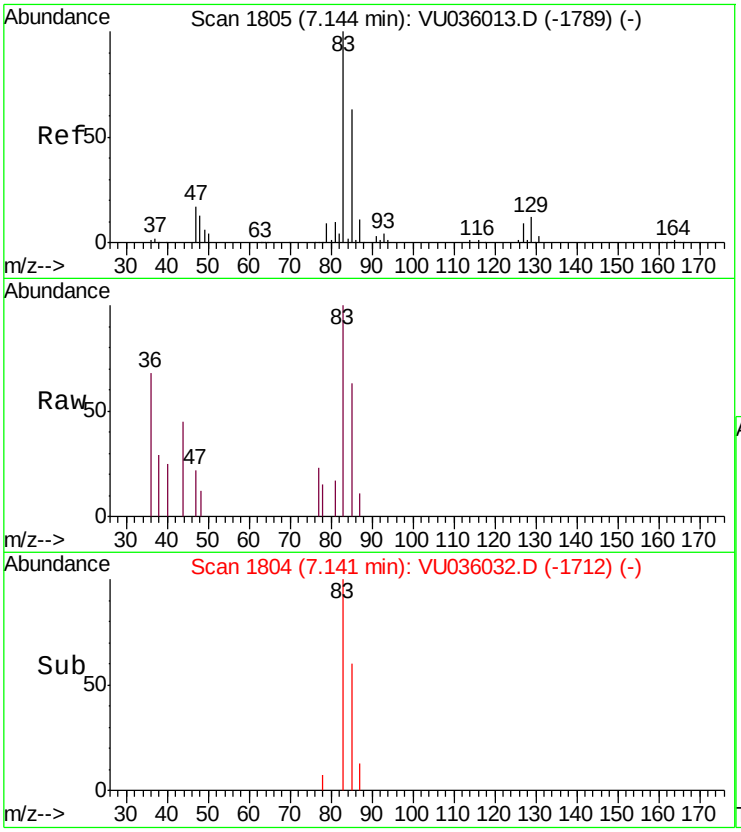


#37
1,2-Dichloropropane
Concen: 0.529 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 63 Resp: 13512

Ion	Ratio	Lower	Upper
63	100		
112	1.0	3.3	4.9#



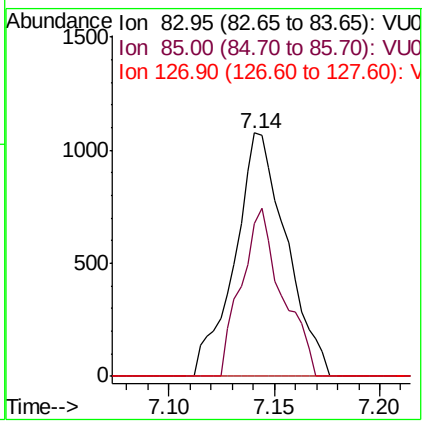


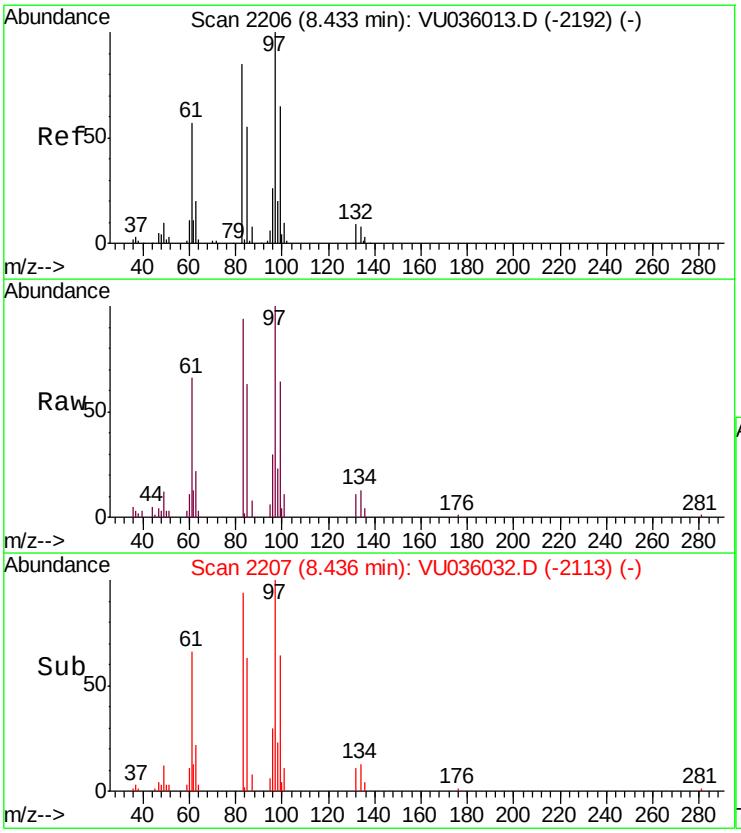
#38
Bromodichloromethane
Concen: 0.060 ug/L
RT: 7.14 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument : MSVOA_U
ClientSampleId : BFE41

Tgt Ion: 83 Resp: 1837

Ion	Ratio	Lower	Upper
83	100		
85	63.0	44.0	81.8
127	0.0	6.5	9.7#

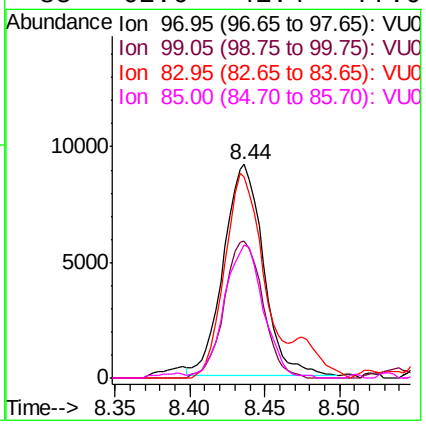


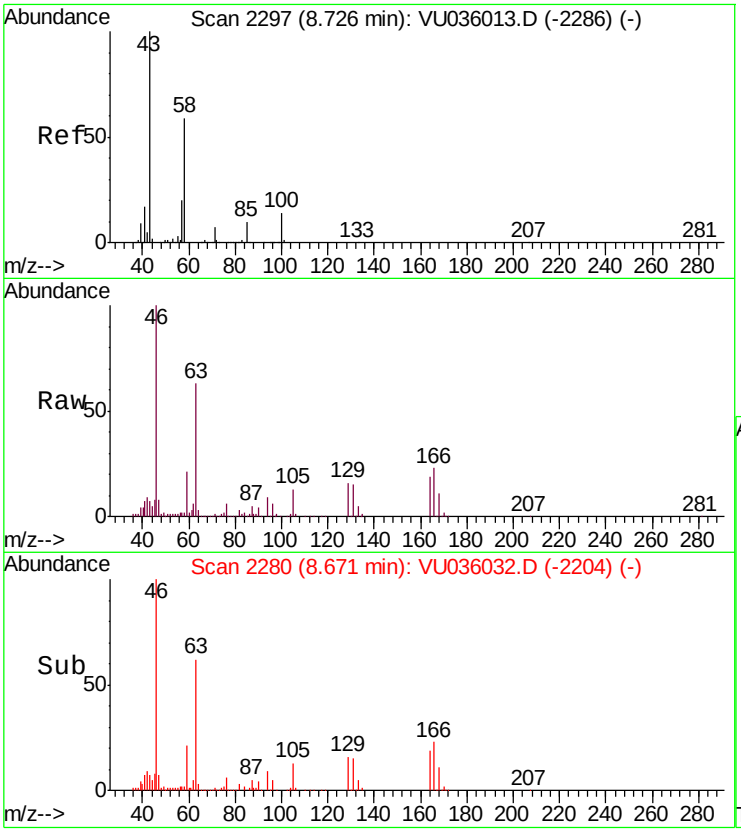


#45
1,1,2-Trichloroethane
Concen: 0.969 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion: 97 Resp: 16835

Ion	Ratio	Lower	Upper
97	100		
99	64.1	45.0	83.6
83	94.3	62.1	115.3
85	62.6	41.4	77.0



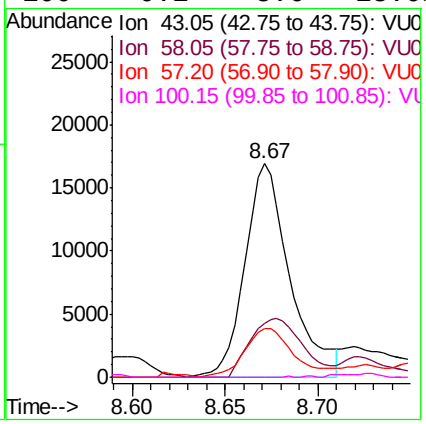


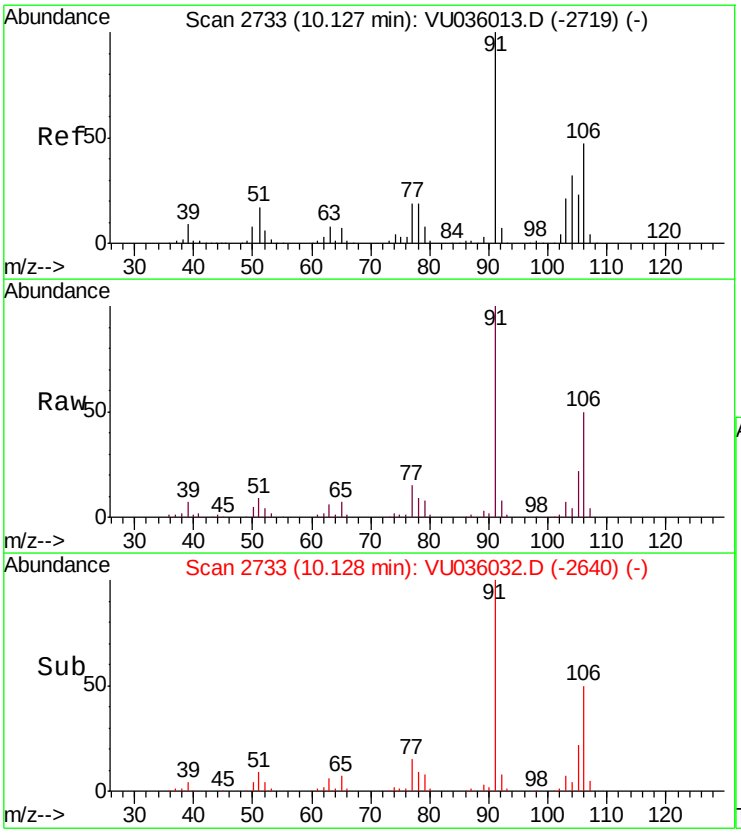
#48
2-Hexanone
Concen: 2.569 ug/L
RT: 8.67 min Scan# 2280
Delta R.T. -0.05 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument : MSVOA_U
ClientSampleId : BFE41

Tgt Ion: 43 Resp: 28476

Ion	Ratio	Lower	Upper
43	100		
58	32.0	45.4	68.2#
57	24.2	14.9	22.3#
100	0.1	8.6	13.0#

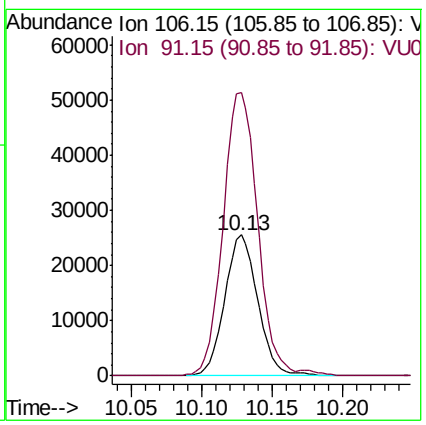


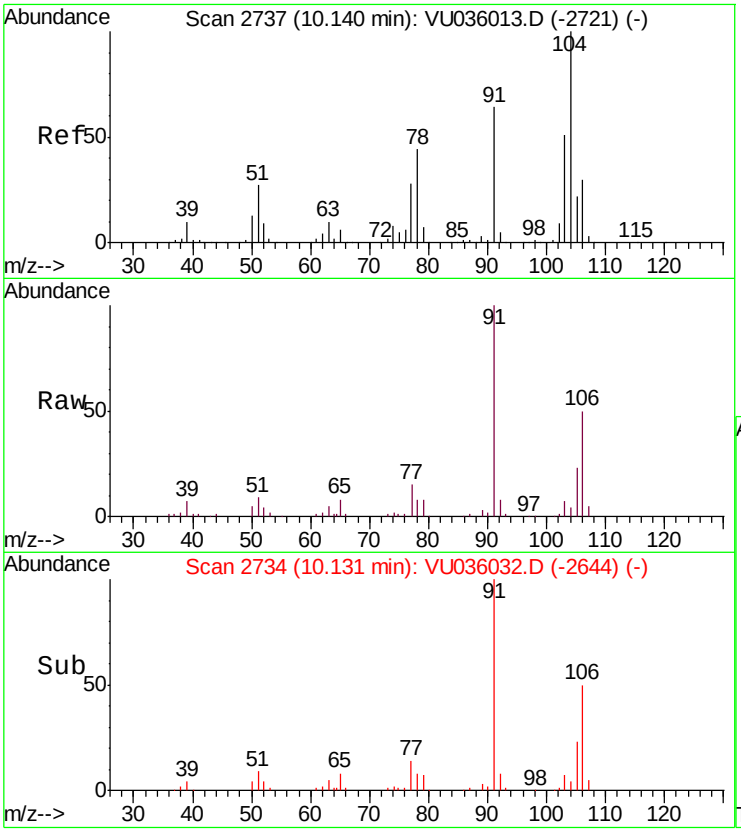


#54
o-Xylene
Concen: 1.192 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion:106 Resp: 42034

Ion	Ratio	Lower	Upper
106	100		
91	200.9	155.3	288.3



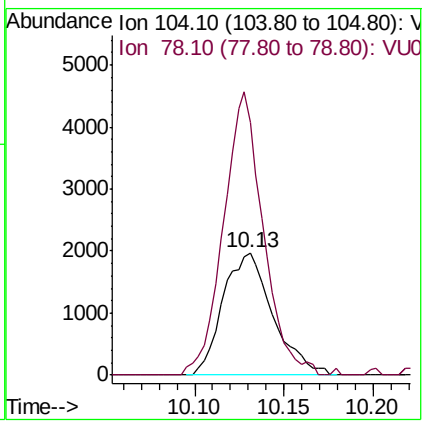


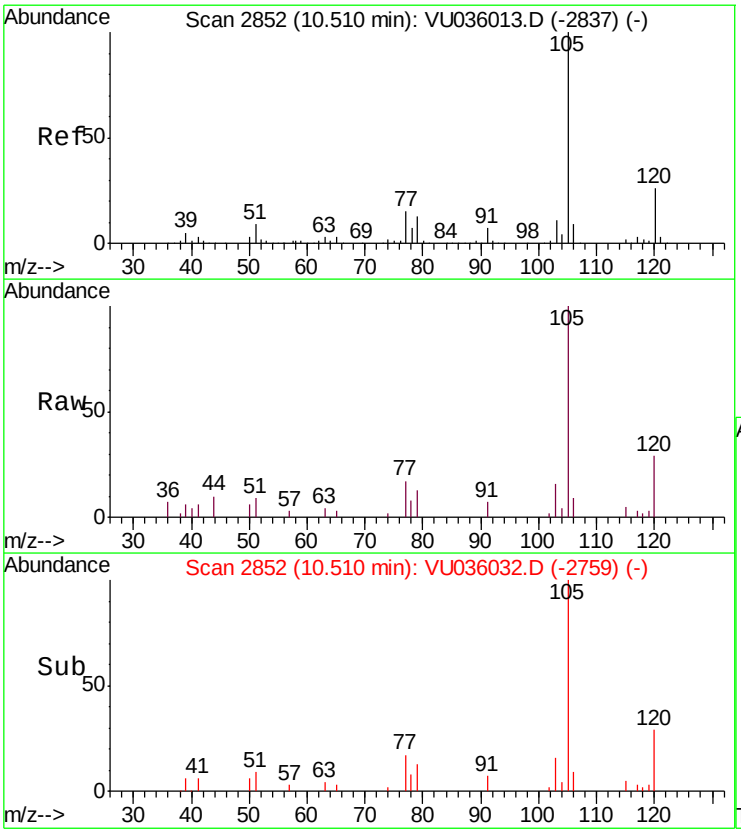
#55
Styrene
Concen: 0.065 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.01 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion:104 Resp: 3830

Ion	Ratio	Lower	Upper
104	100		
78	206.5	31.2	58.0#

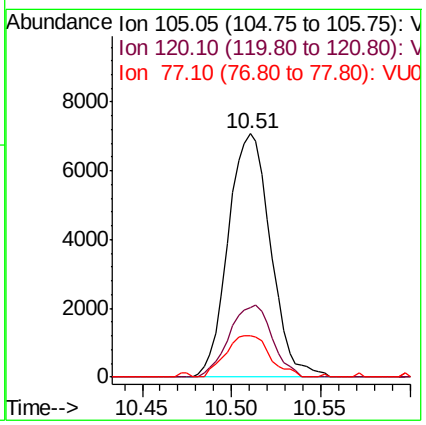


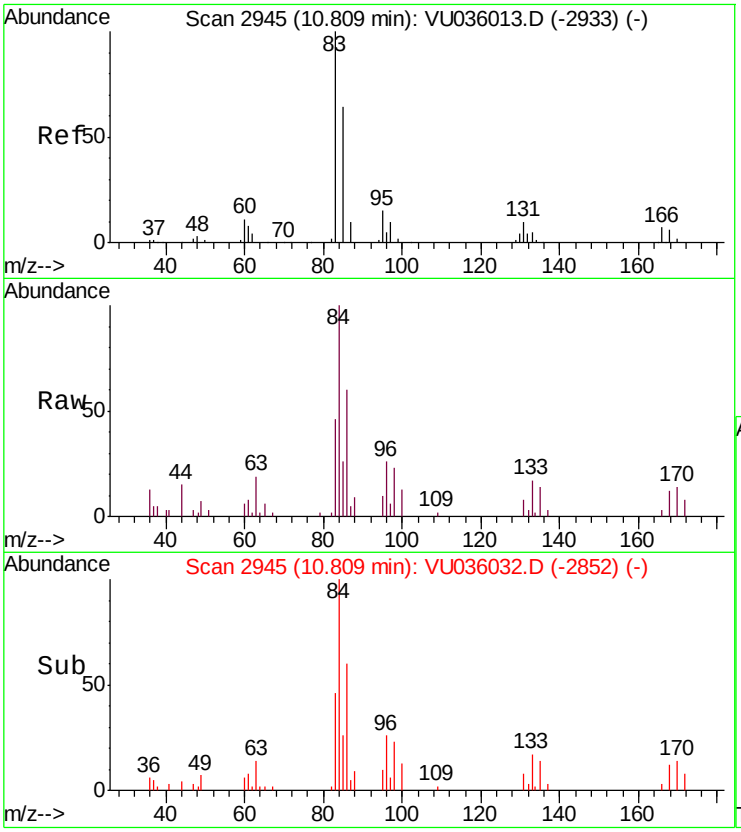


#56
Isopropylbenzene
Concen: 0.127 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion:105 Resp: 11727

Ion	Ratio	Lower	Upper
105	100		
120	29.9	21.3	31.9
77	17.8	13.1	19.7



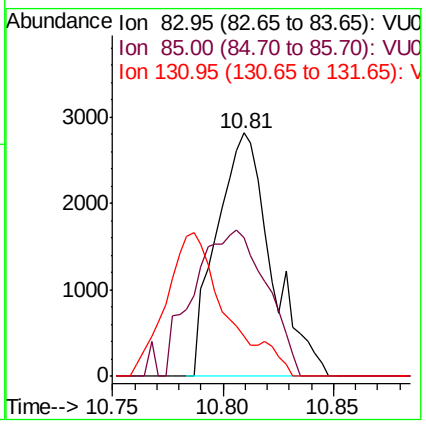


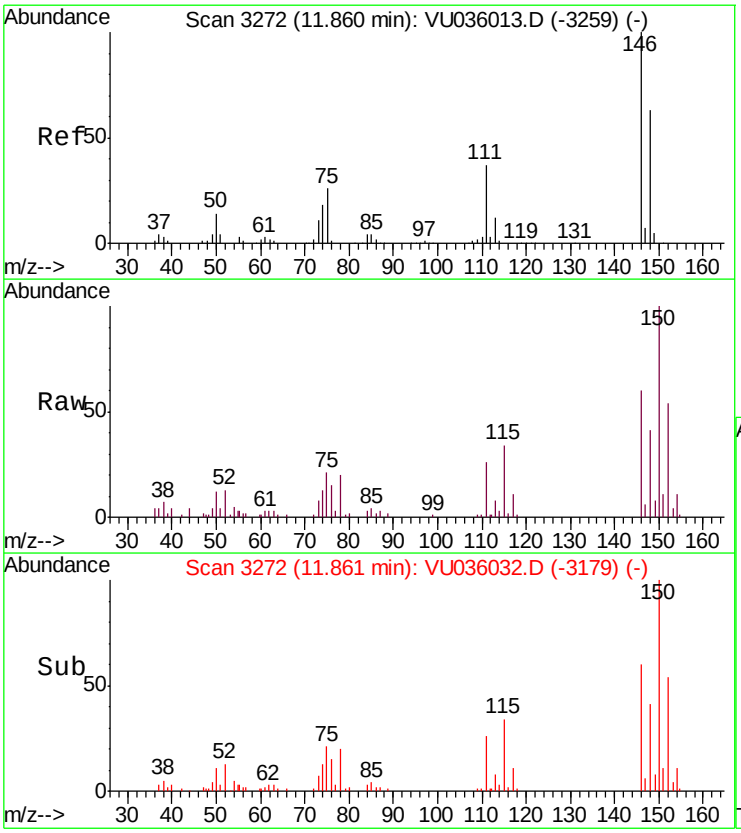
#58
1,1,2,2-Tetrachloroethane
Concen: 0.208 ug/L
RT: 10.81 min Scan# 2945
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion: 83 Resp: 4846

Ion	Ratio	Lower	Upper
83	100		
85	56.8	44.3	82.3
131	16.2	7.2	10.8#

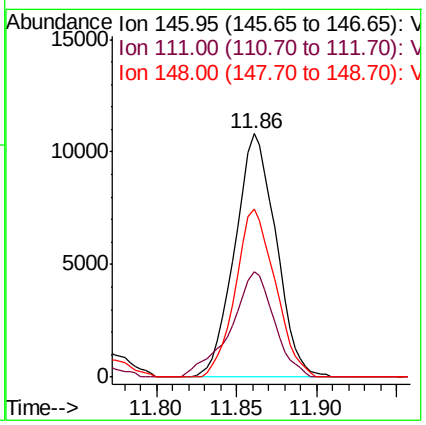


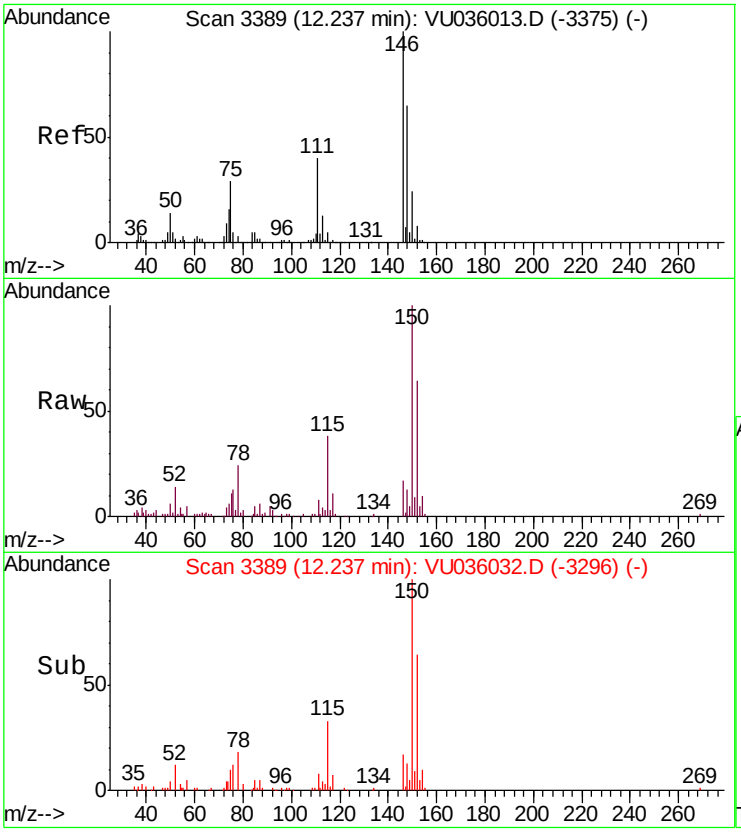


#63
1,4-Dichlorobenzene
Concen: 0.551 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Tgt Ion:146 Resp: 18957

Ion	Ratio	Lower	Upper
146	100		
111	43.3	28.5	52.9
148	69.3	44.4	82.5





#65
1,2-Dichlorobenzene
Concen: 0.263 ug/L
RT: 12.24 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU036032.D
Acq: 06 Dec 2019 19:00

Instrument :
MSVOA_U
ClientSampleId :
BFE41

Tgt Ion:146 Resp: 8727

Ion	Ratio	Lower	Upper
146	100		
111	45.2	32.6	48.8
148	75.3	50.9	76.3