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

Quantitation Report (Not Reviewed)

Data File : VU036019.D
Acq On : 06 Dec 2019 13:11
Operator : JC/SP
Sample : K6132-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW1

Quant Time: Dec 06 22:34:27 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	294495	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	302338	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	130229	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	115464	3.44	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 68.80%			
7) Chloroethane-d5	1.93	69	120107	4.46	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 89.20%			
11) 1,1-Dichloroethene-d2	2.59	63	143322	2.97	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 59.40%#			
20) 2-Butanone-d5	4.70	46	269262	45.29	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 90.58%			
24) Chloroform-d	5.11	84	202317	4.39	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 87.80%			
26) 1,2-Dichloroethane-d4	5.75	65	102268	4.19	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 83.80%			
32) Benzene-d6	5.77	84	385712	4.31	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 86.20%			
36) 1,2-Dichloropropane-d6	6.73	67	123069	4.25	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 85.00%			
41) Toluene-d8	7.93	98	315505	3.83	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 76.60%			
43) trans-1,3-Dichloropropene-	8.21	79	42236	3.61	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 72.20%			
46) 2-Hexanone-d5	8.68	63	203485	44.18	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 88.36%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	108944	4.47	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.40%			
64) 1,2-Dichlorobenzene-d4	12.22	152	125707	4.67	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.40%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	147746	4.200	ug/L #	10
8) Chloroethane	1.95	64	79171	3.629	ug/L #	83
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4082	0.180	ug/L #	66
12) 1,1-Dichloroethene	2.60	96	4825	0.229	ug/L #	1
13) Acetone	2.69	43	51634	9.607	ug/L	90
14) Carbon disulfide	2.82	76	5788	0.078	ug/L	99
15) Methyl Acetate	3.00	43	5601	0.581	ug/L #	78
16) Methylene chloride	3.08	84	18028	0.551	ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	2574	0.115	ug/L	99
19) 1,1-Dichloroethane	3.92	63	342835	7.847	ug/L	99
21) 2-Butanone	4.78	43	107385	15.564	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	343742	14.559	ug/L	92
25) Chloroform	5.14	83	55399	1.257	ug/L	100
27) 1,2-Dichloroethane	5.84	62	4580	0.163	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	145495	3.979	ug/L	98
31) Carbon tetrachloride	5.36	117	19196	0.592	ug/L	97
33) Benzene	5.82	78	170834	1.797	ug/L	100

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

Quantitation Report (Not Reviewed)

Data File : VU036019.D
Acq On : 06 Dec 2019 13:11
Operator : JC/SP
Sample : K6132-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW1

Quant Time: Dec 06 22:34:27 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)
34) Trichloroethene	6.58	95	6566	0.273	ug/L		94
38) Bromodichloromethane	7.14	83	6980	0.227	ug/L	#	85
39) cis-1,3-Dichloropropene	7.60	75	2835	0.083	ug/L	#	30
42) Toluene	8.00	91	56906	0.573	ug/L		100
47) Tetrachloroethene	8.58	164	1891	0.097	ug/L	#	80
51) Chlorobenzene	9.48	112	94918	1.531	ug/L		99
52) Ethylbenzene	9.60	91	18922	0.188	ug/L		89
53) m,p-Xylene	9.72	106	13957	0.368	ug/L		97
54) o-Xylene	10.13	106	9923	0.279	ug/L		95
55) Styrene	10.14	104	9385	0.157	ug/L		100
59) 1,2,3-Trichloropropane	11.84	75	19848	1.186	ug/L		96
62) 1,3-Dichlorobenzene	11.77	146	5865	0.135	ug/L		94
63) 1,4-Dichlorobenzene	11.86	146	17661	0.411	ug/L		98
65) 1,2-Dichlorobenzene	12.24	146	18626	0.450	ug/L		94
69) Naphthalene	14.11	128	4183	0.232	ug/L	#	92

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

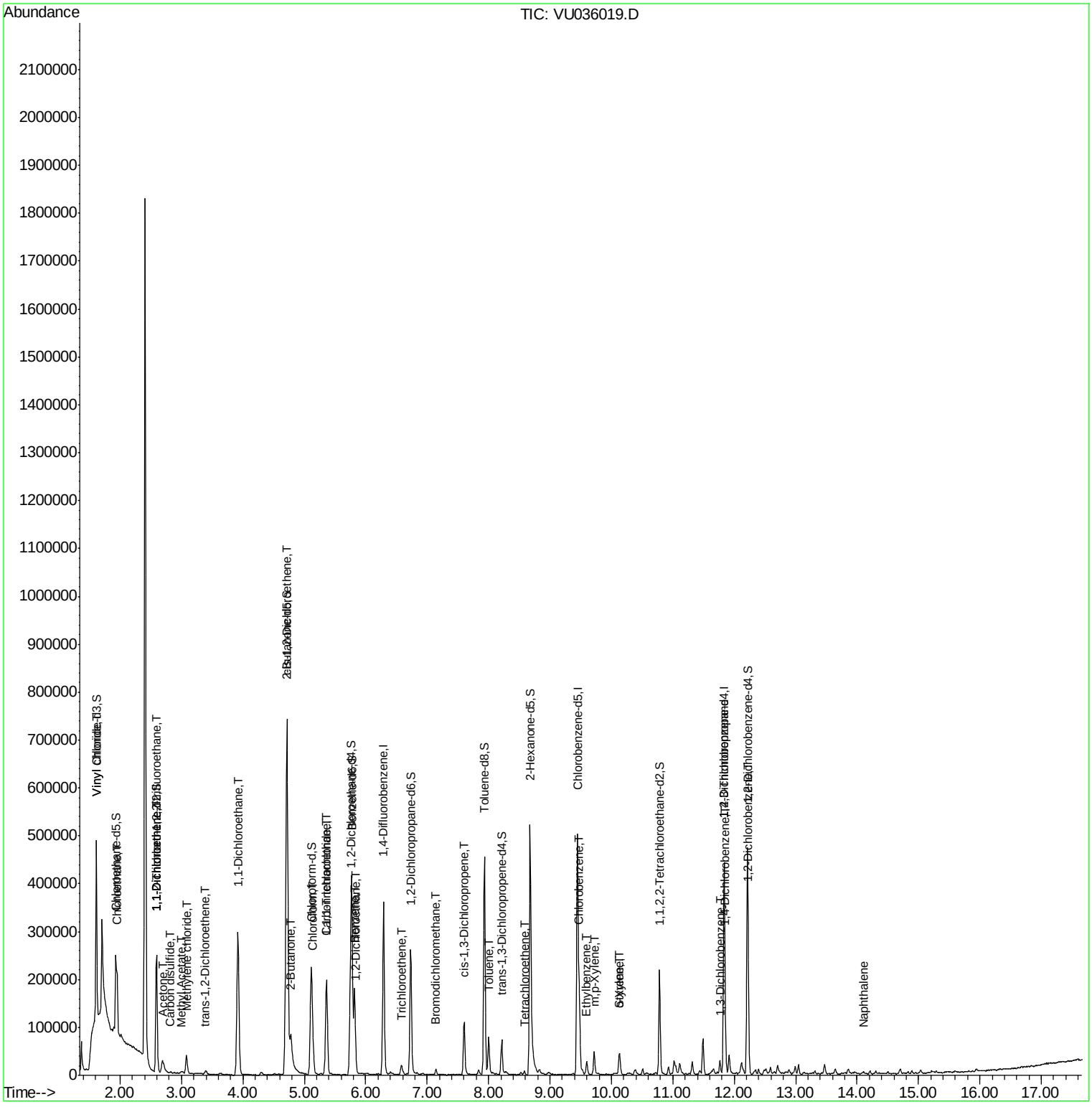
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120619\

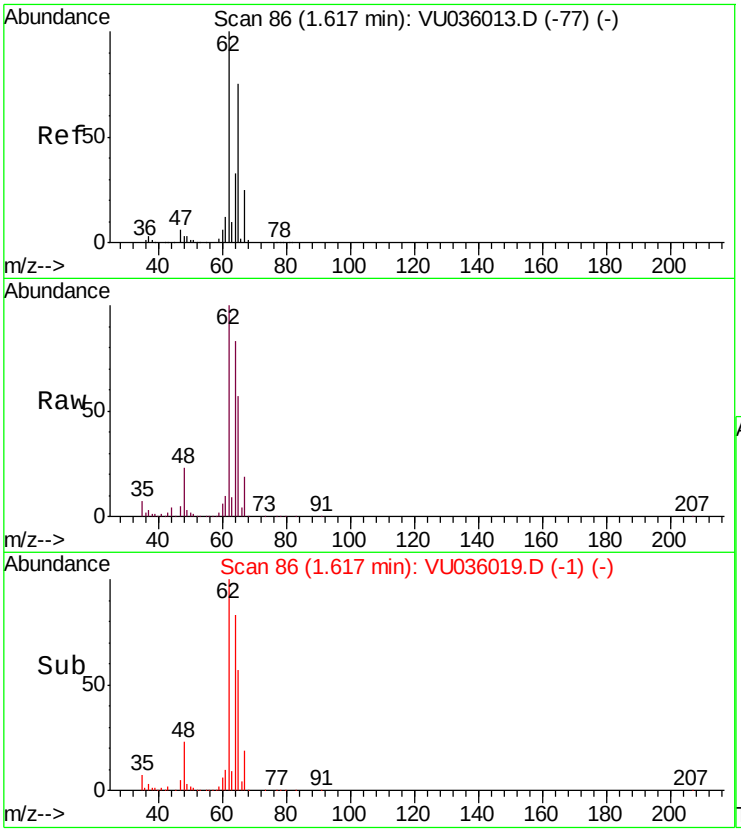
Quantitation Report (Not Reviewed)

Data File : VU036019.D
Acq On : 06 Dec 2019 13:11
Operator : JC/SP
Sample : K6132-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Quant Time: Dec 06 22:34:27 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



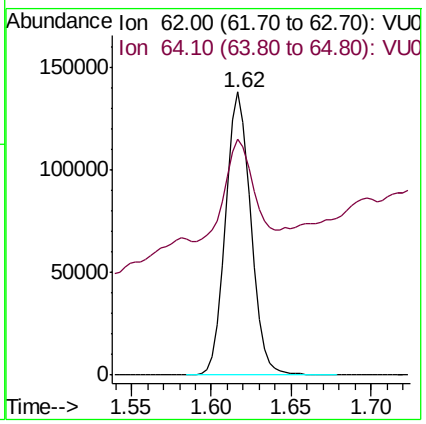


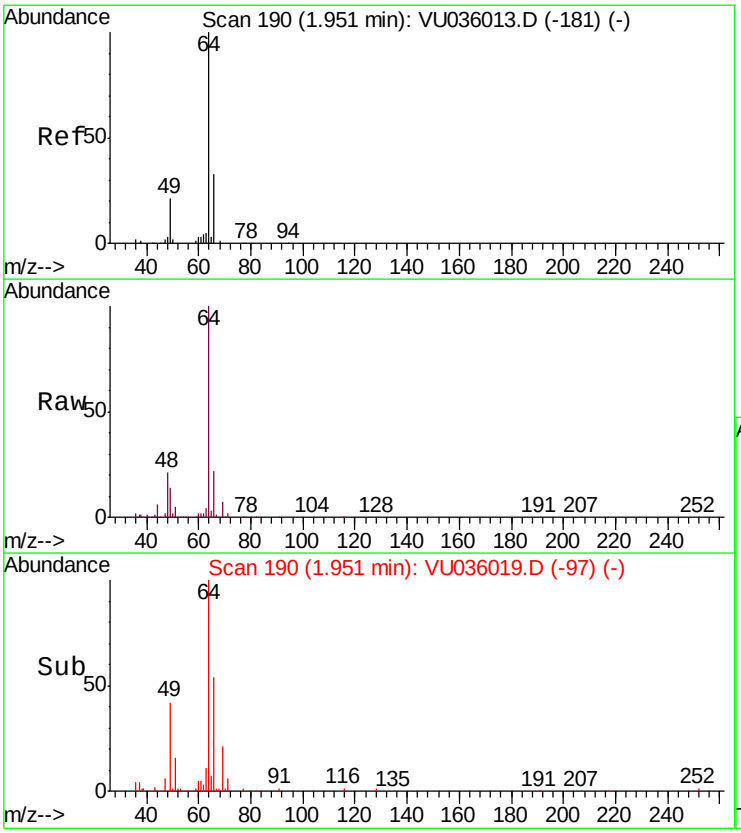
#5
Vinyl chloride
Concen: 4.200 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 62 Resp: 147746

Ion	Ratio	Lower	Upper
62	100		
64	83.3	23.0	42.6#

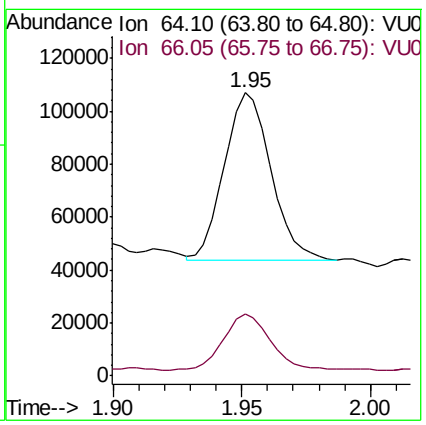


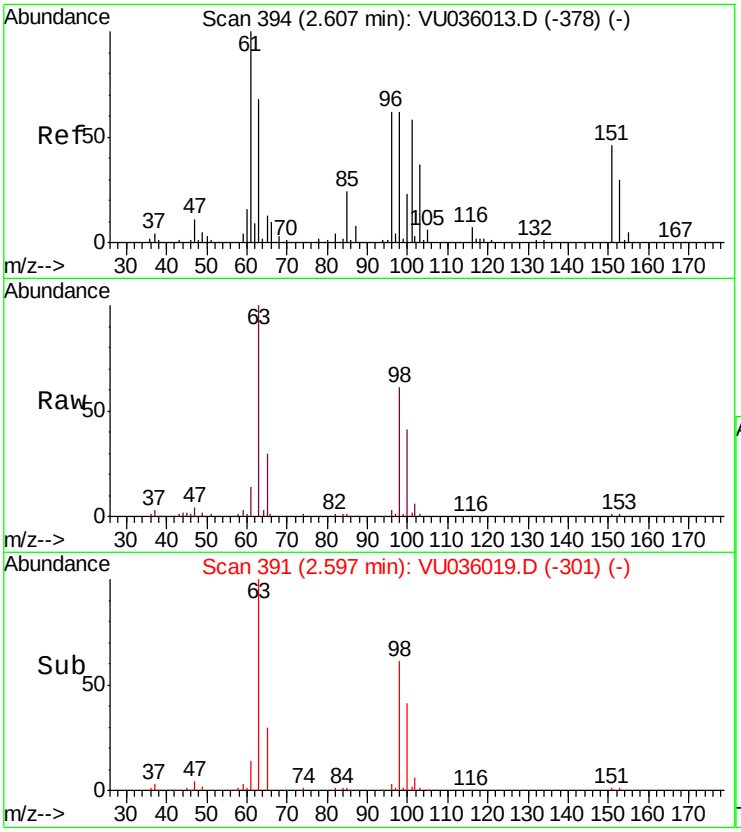


#8
Chloroethane
Concen: 3.629 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 64 Resp: 79171

Ion	Ratio	Lower	Upper
64	100		
66	21.7	22.0	40.8#



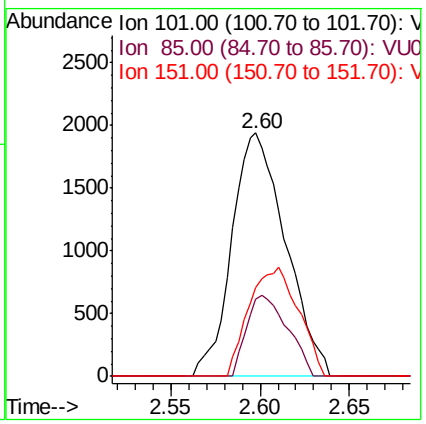


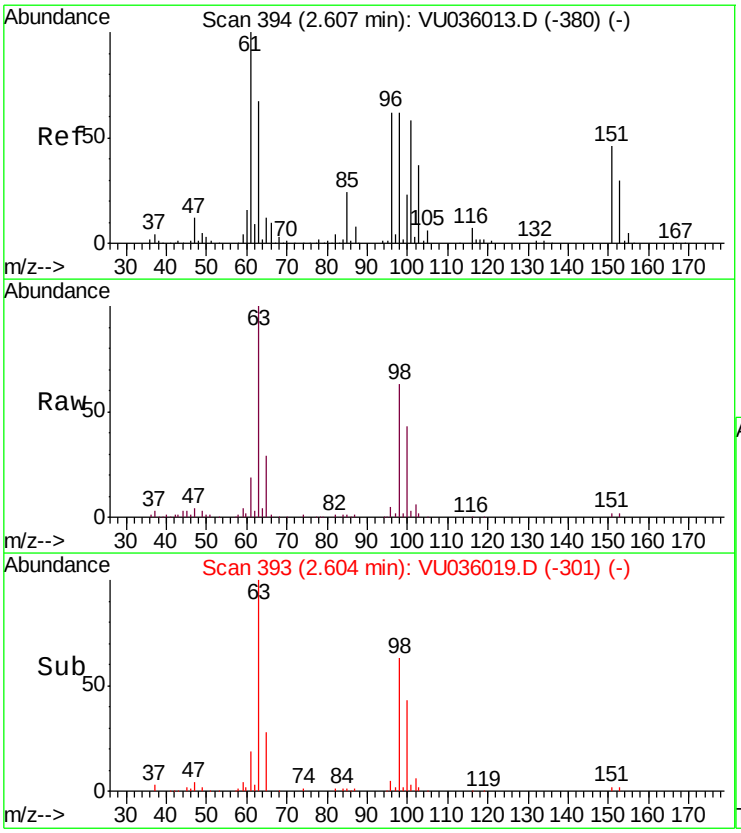
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.180 ug/L
RT: 2.60 min Scan# 391
Delta R.T. -0.01 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion:101 Resp: 4082

Ion	Ratio	Lower	Upper
101	100		
85	25.3	35.5	53.3#
151	41.2	57.5	86.3#

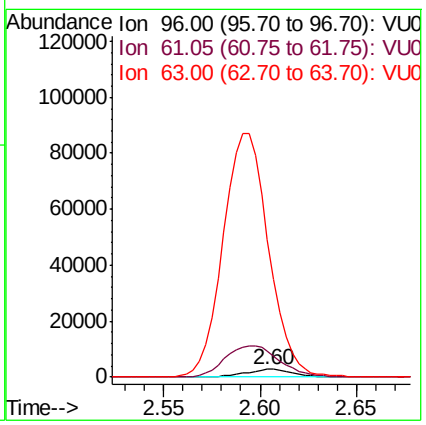


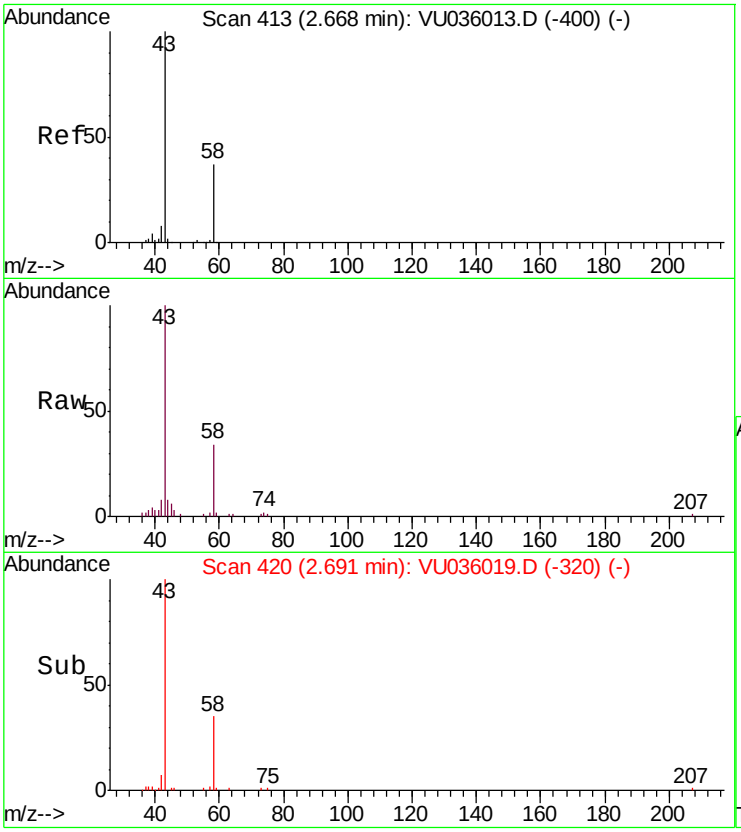


#12
1,1-Dichloroethene
Concen: 0.229 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 96 Resp: 4825

Ion	Ratio	Lower	Upper
96	100		
61	349.9	127.1	236.1#
63	1823.5	86.0	159.8#



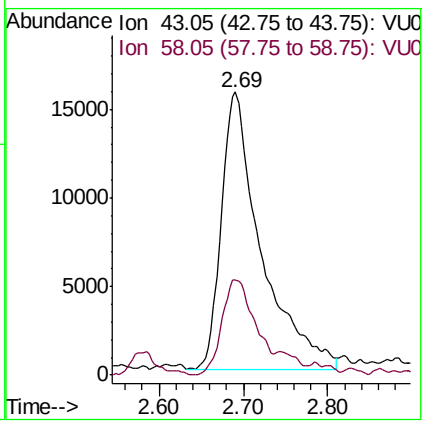


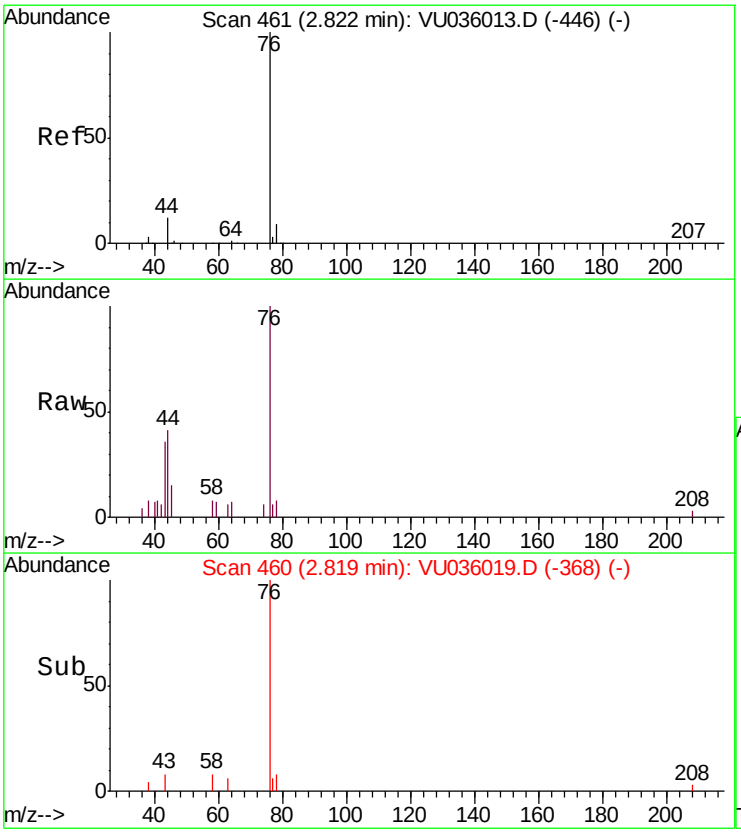
#13
Acetone
Concen: 9.607 ug/L
RT: 2.69 min Scan# 420
Delta R.T. 0.02 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion: 43 Resp: 51634

Ion	Ratio	Lower	Upper
43	100		
58	28.6	0.0	68.6

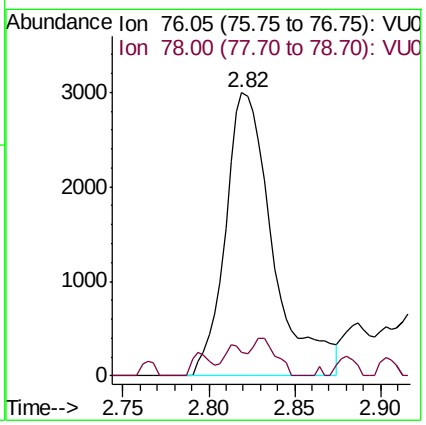


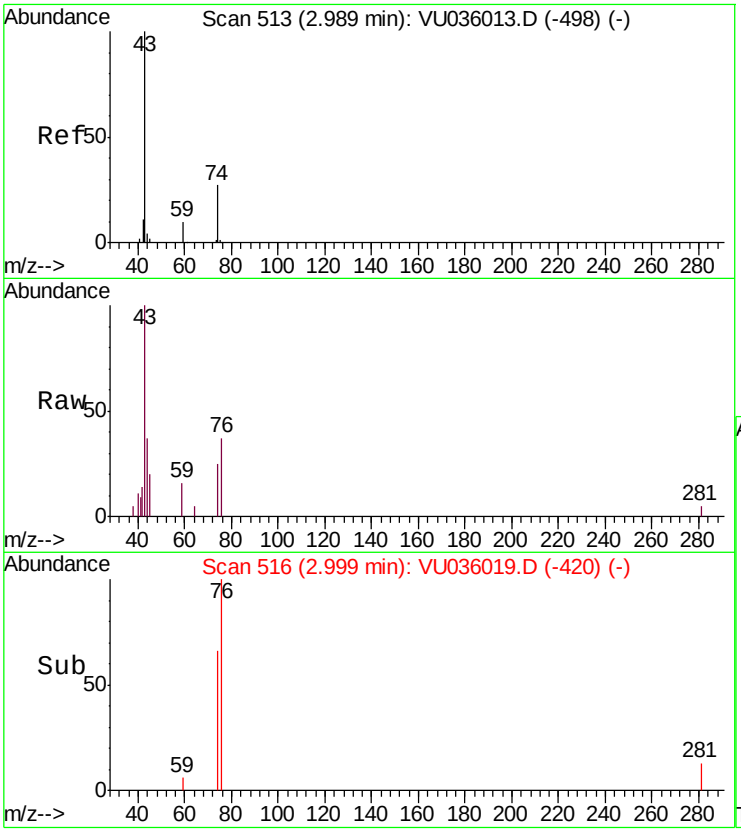


#14
Carbon disulfide
Concen: 0.078 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 76 Resp: 5788

Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.9	10.3



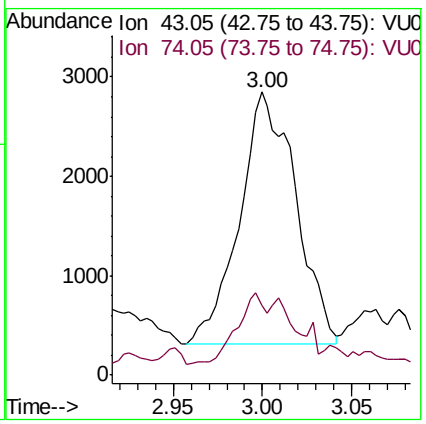


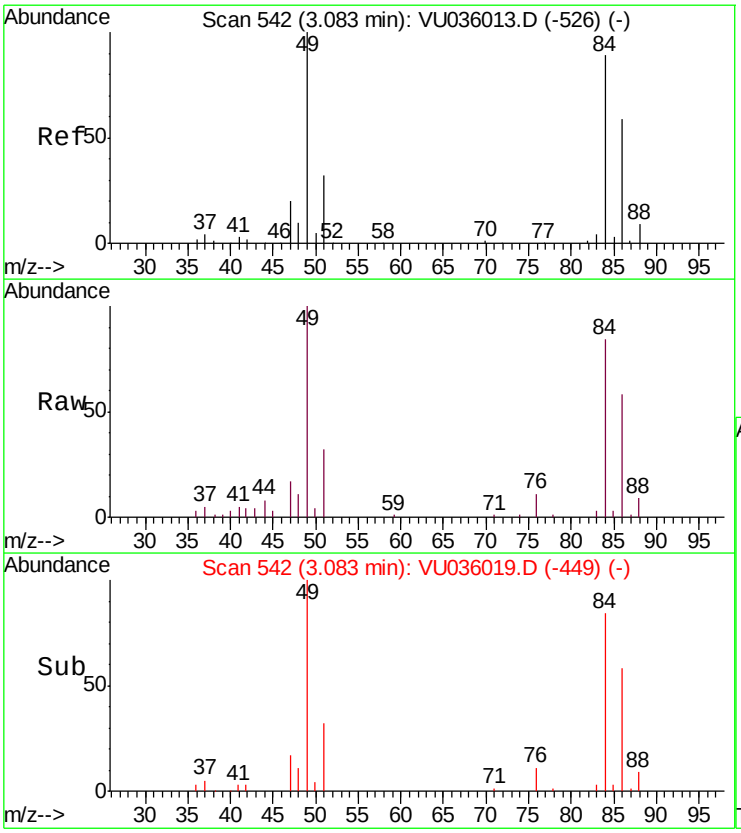
#15
Methyl Acetate
Concen: 0.581 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion: 43 Resp: 5601

Ion	Ratio	Lower	Upper
43	100		
74	14.0	20.0	30.0#

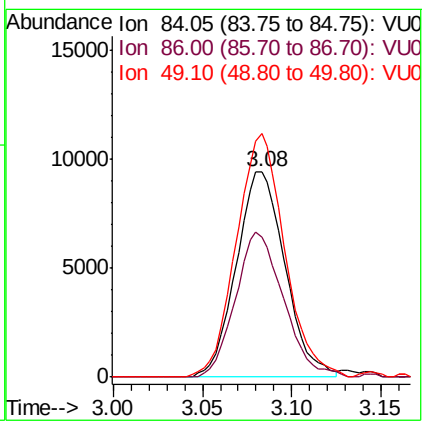


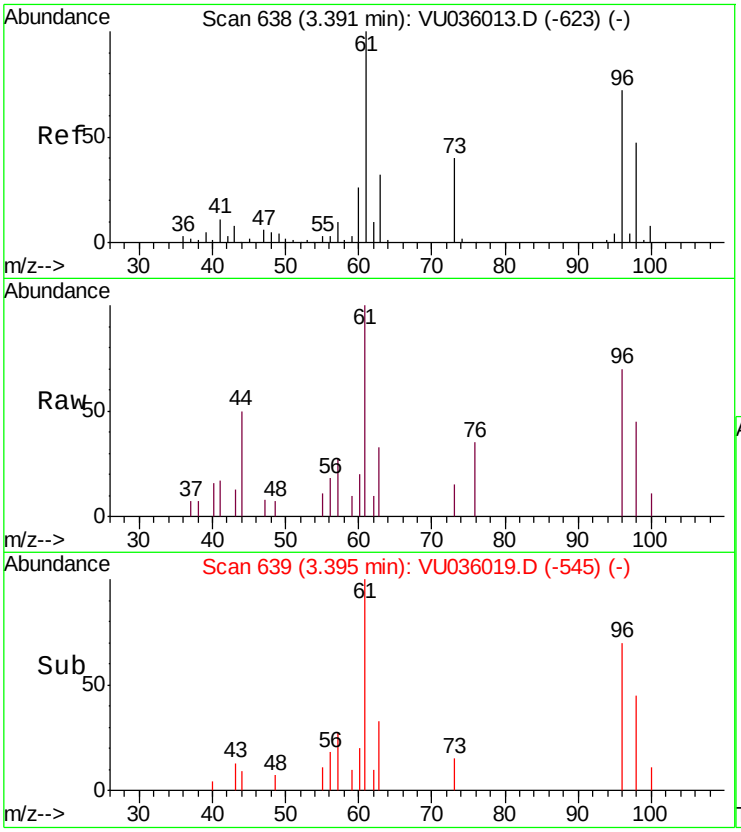


#16
Methylene chloride
Concen: 0.551 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 84 Resp: 18028

Ion	Ratio	Lower	Upper
84	100		
86	68.3	44.7	82.9
49	118.4	86.2	160.2



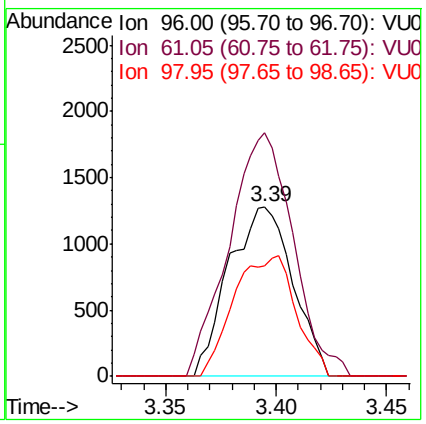


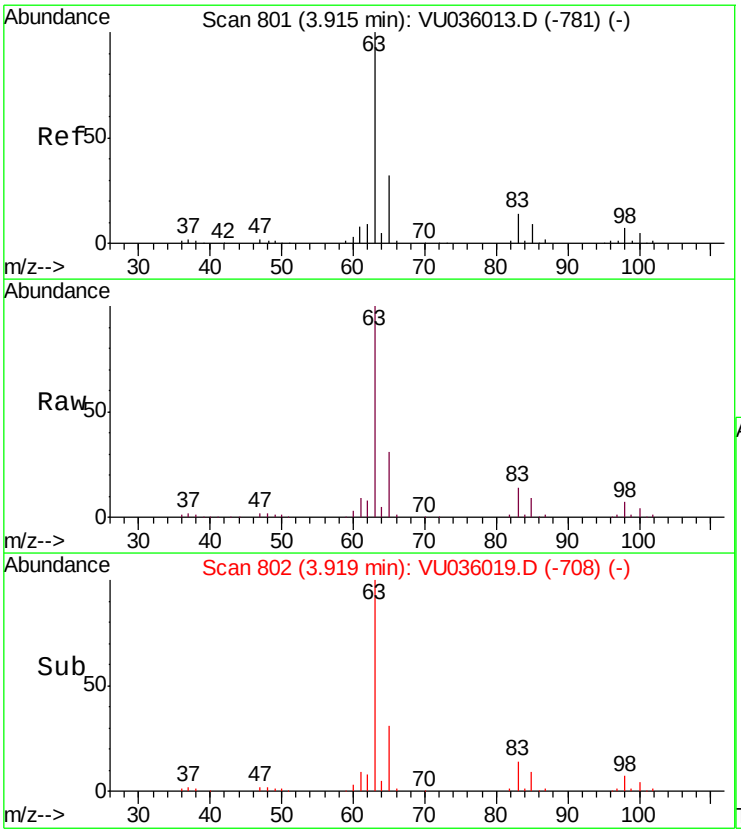
#18
trans-1,2-Dichloroethene
Concen: 0.115 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 96 Resp: 2574

Ion	Ratio	Lower	Upper
96	100		
61	143.7	101.2	187.8
98	65.1	45.0	83.6

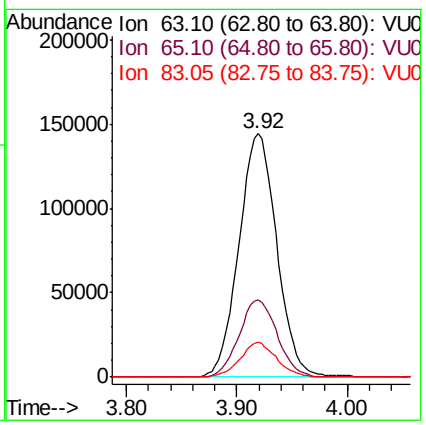


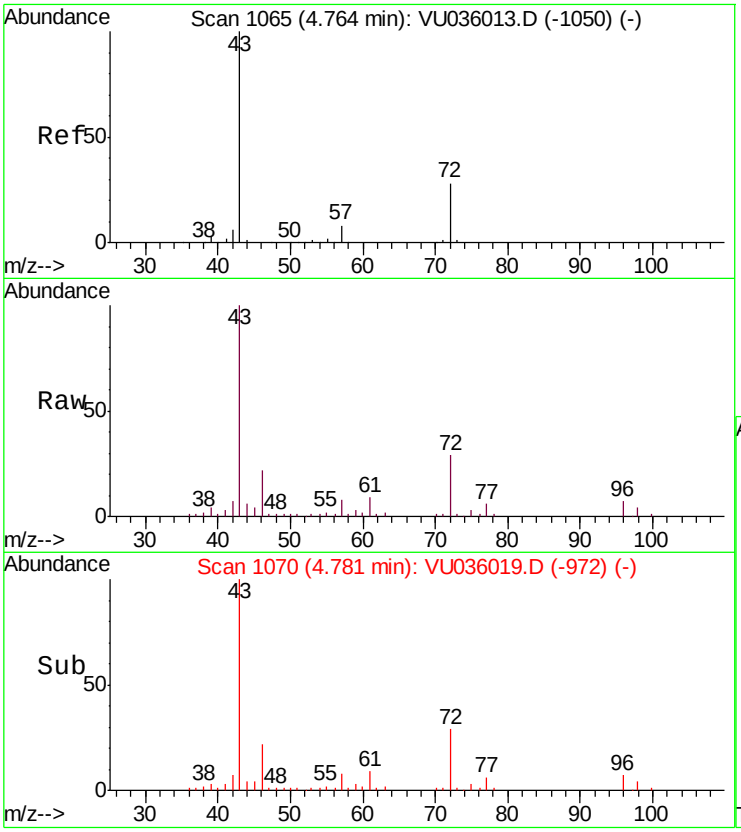


#19
1,1-Dichloroethane
Concen: 7.847 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 63 Resp: 342835

Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.4	41.6
83	14.1	9.8	18.2



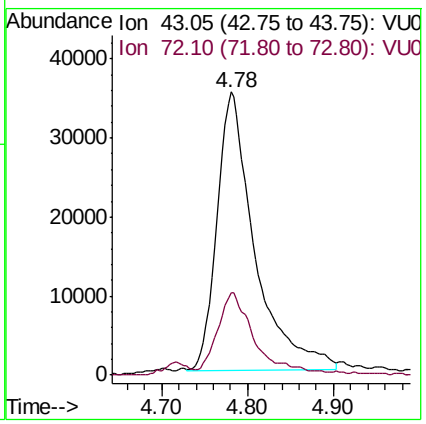


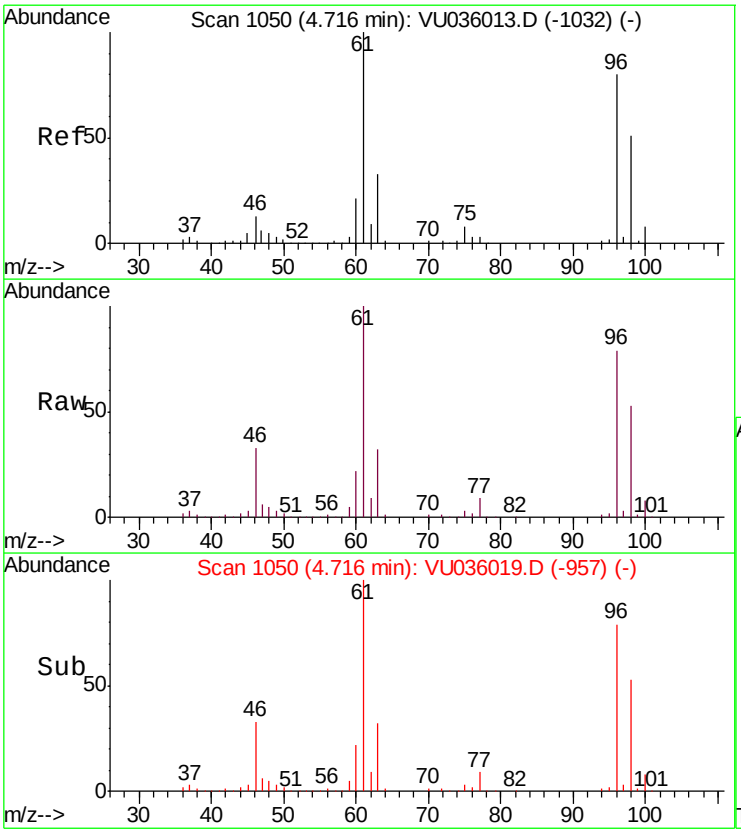
#21
2-Butanone
Concen: 15.564 ug/L
RT: 4.78 min Scan# 1070
Delta R.T. 0.02 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 43 Resp: 107385

Ion	Ratio	Lower	Upper
43	100		
72	26.4	12.6	37.8

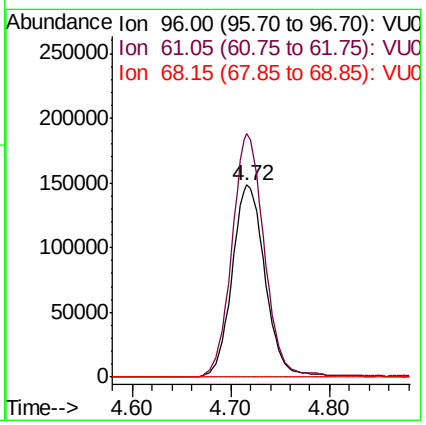


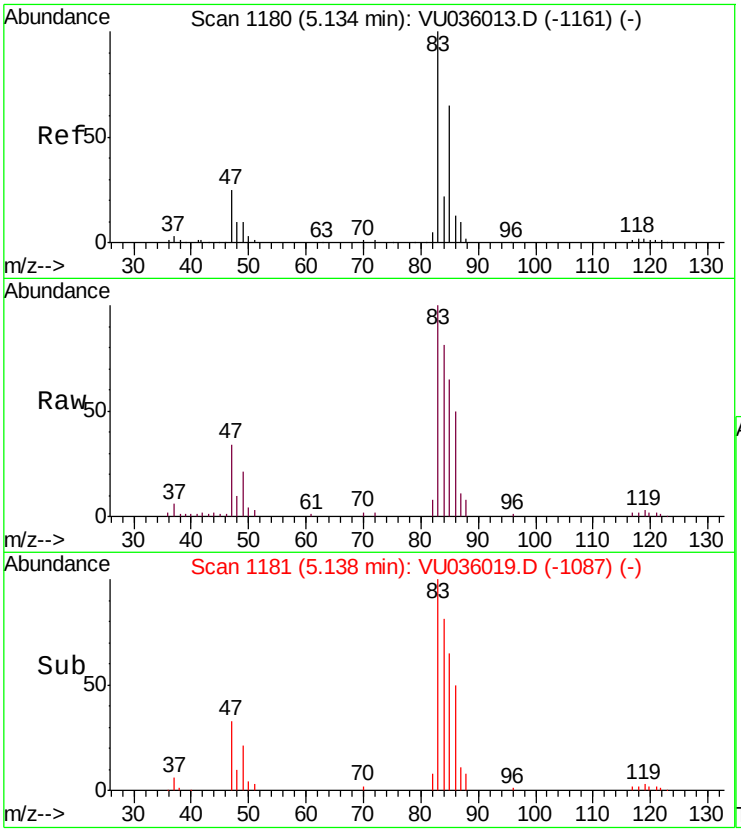


#22
cis-1,2-Dichloroethene
Concen: 14.559 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 96 Resp: 343742

Ion	Ratio	Lower	Upper
96	100		
61	126.9	95.7	177.7
68	0.0	0.0	0.0



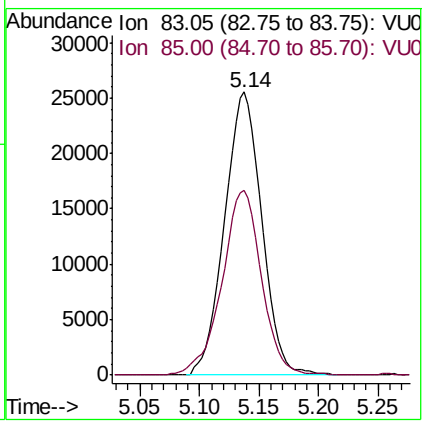


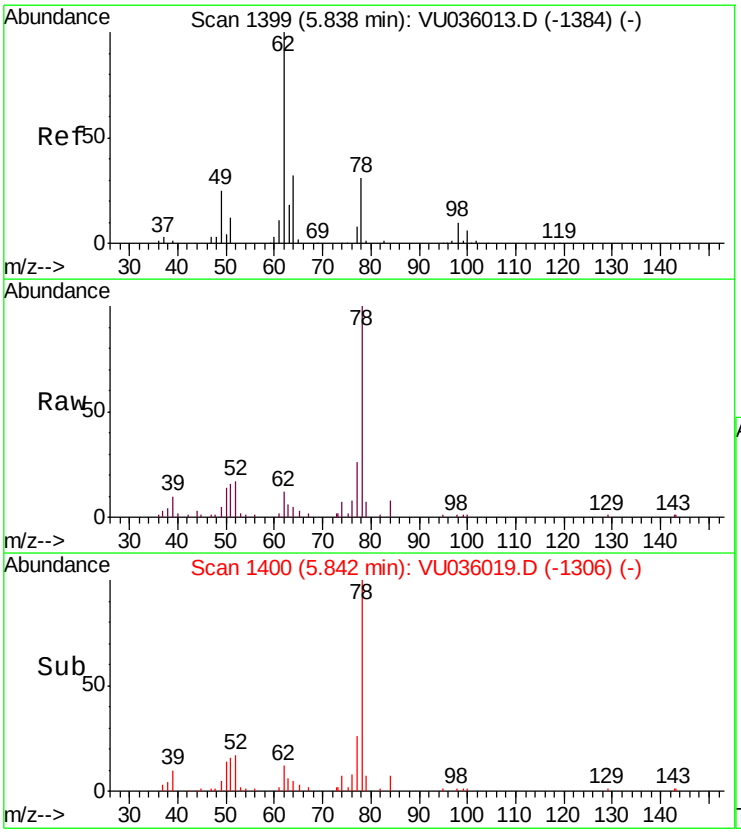
#25
Chloroform
Concen: 1.257 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 83 Resp: 55399

Ion	Ratio	Lower	Upper
83	100		
85	65.1	45.4	84.2

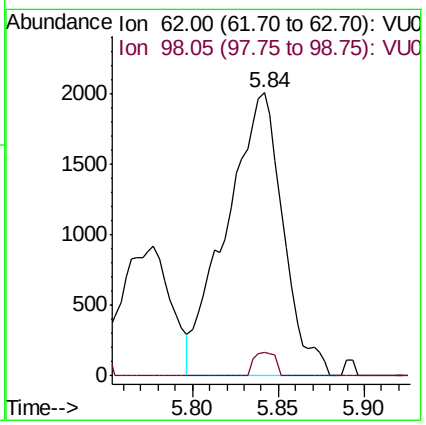


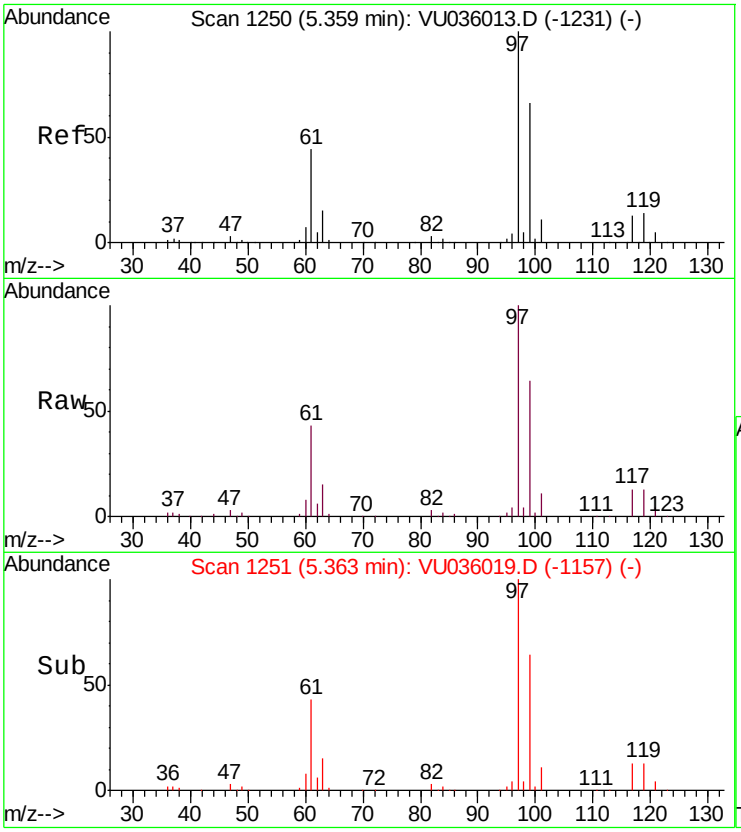


#27
1,2-Dichloroethane
Concen: 0.163 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 62 Resp: 4580

Ion	Ratio	Lower	Upper
62	100		
98	8.3	7.6	11.4



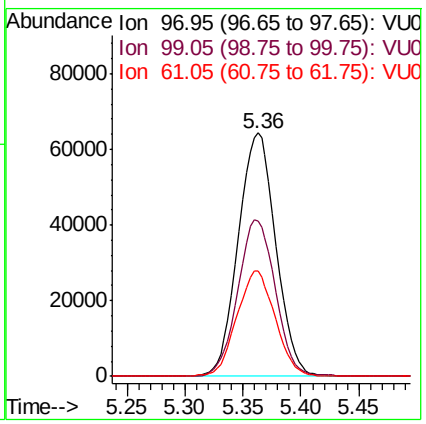


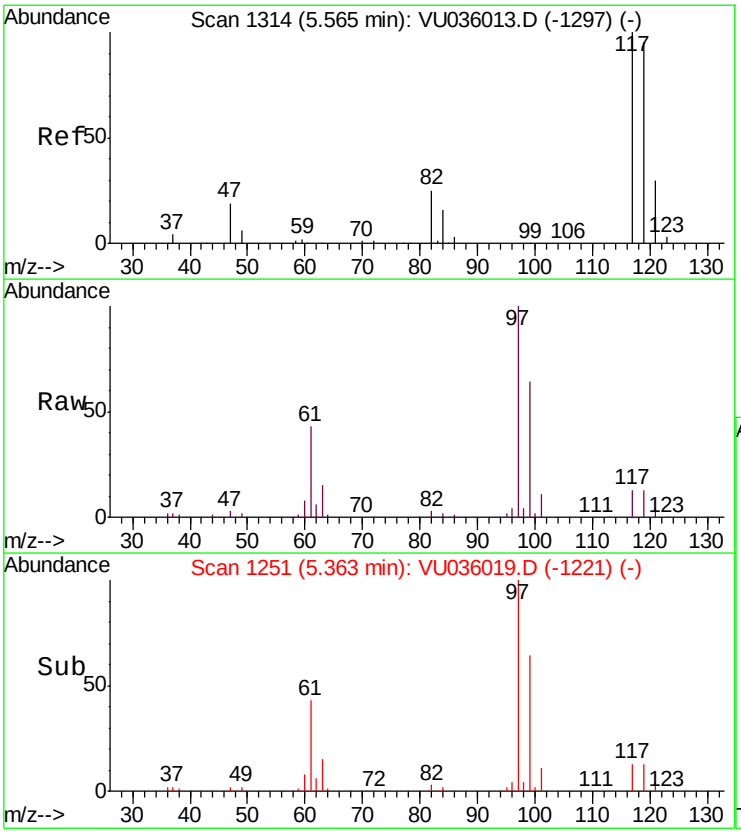
#29
1,1,1-Trichloroethane
Concen: 3.979 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 97 Resp: 145495

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	44.1	37.6	56.4

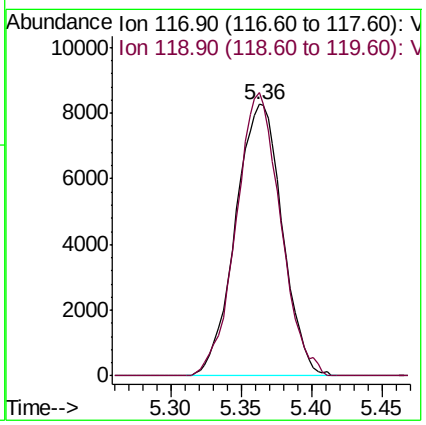


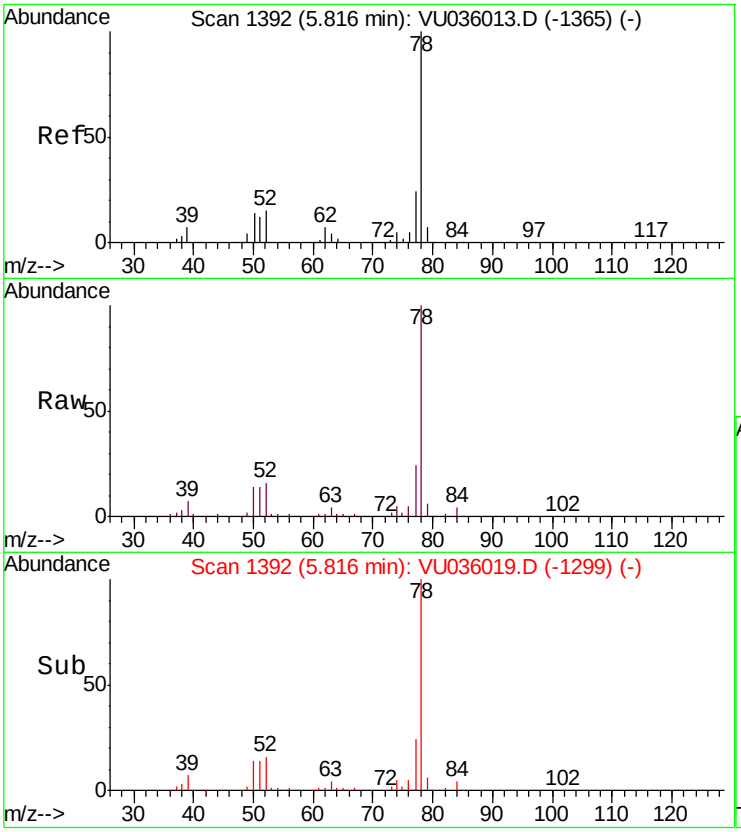


#31
Carbon tetrachloride
Concen: 0.592 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.20 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion:117 Resp: 19196

Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.9	115.3

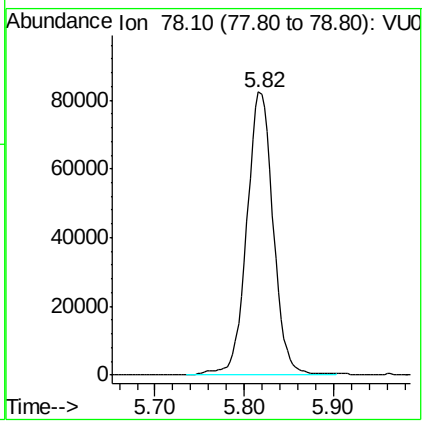


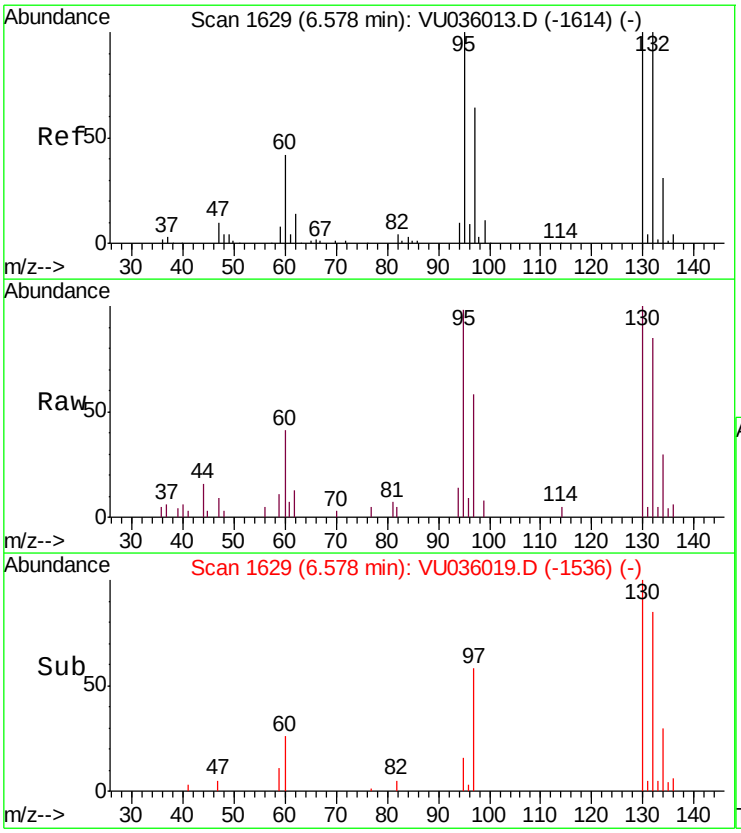


#33
Benzene
Concen: 1.797 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 78 Resp: 170834

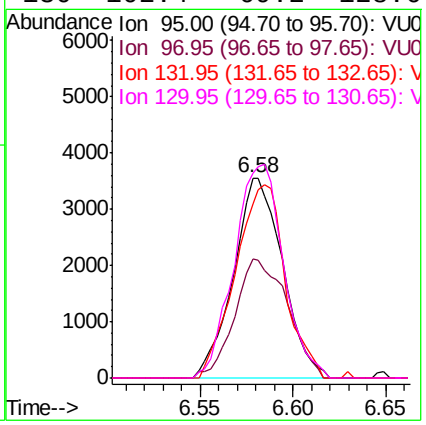


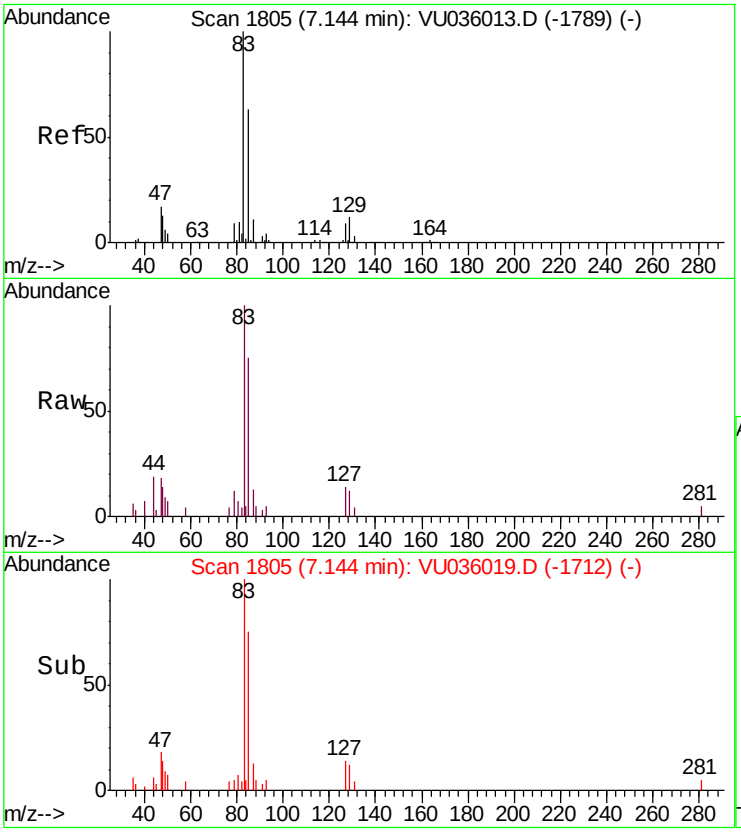


#34
Trichloroethene
Concen: 0.273 ug/L
RT: 6.58 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 95 Resp: 6566

Ion	Ratio	Lower	Upper
95	100		
97	59.4	46.3	85.9
132	86.7	65.7	122.1
130	102.4	69.2	128.6



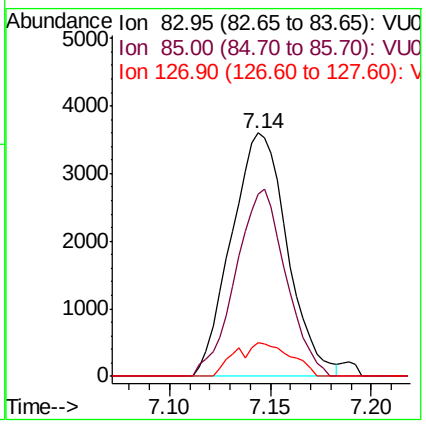


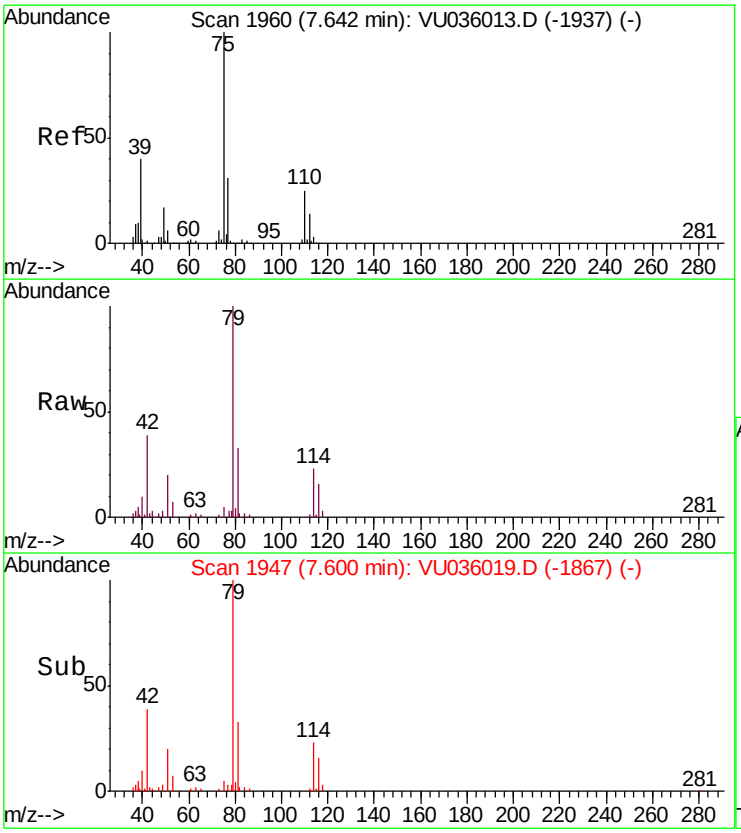
#38
Bromodichloromethane
Concen: 0.227 ug/L
RT: 7.14 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion: 83 Resp: 6980

Ion	Ratio	Lower	Upper
83	100		
85	74.7	44.0	81.8
127	13.9	6.5	9.7#

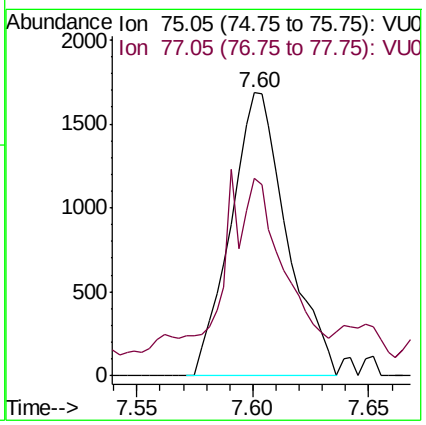


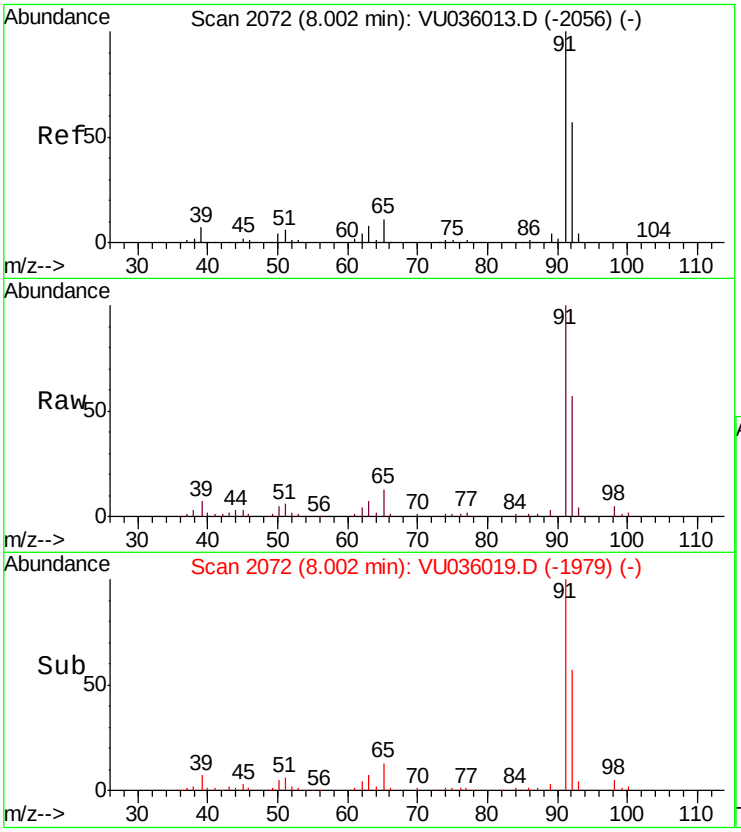


#39
cis-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.60 min Scan# 1947
Delta R.T. -0.04 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 75 Resp: 2835

Ion	Ratio	Lower	Upper
75	100		
77	69.7	21.9	40.7#



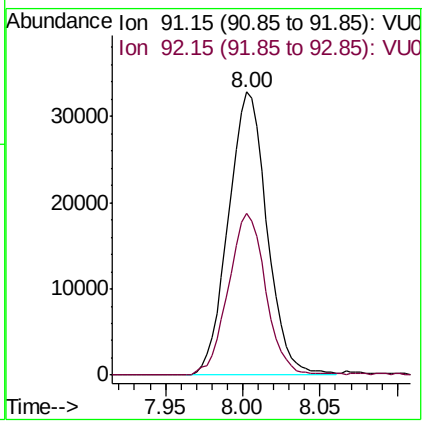


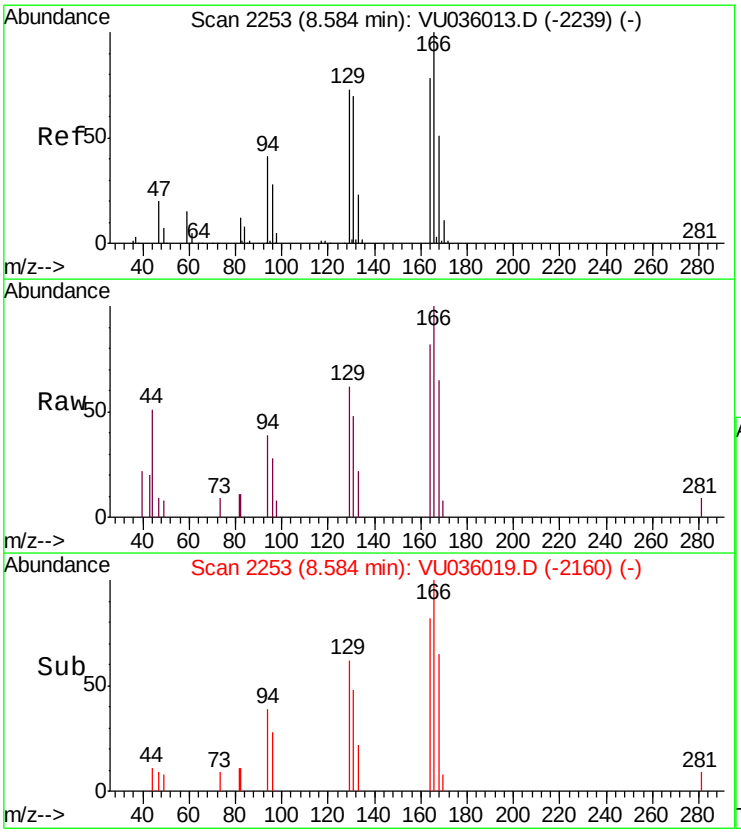
#42
Toluene
Concen: 0.573 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion: 91 Resp: 56906

Ion	Ratio	Lower	Upper
91	100		
92	57.0	39.8	74.0

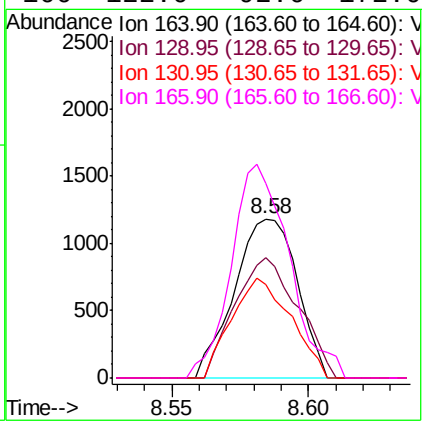


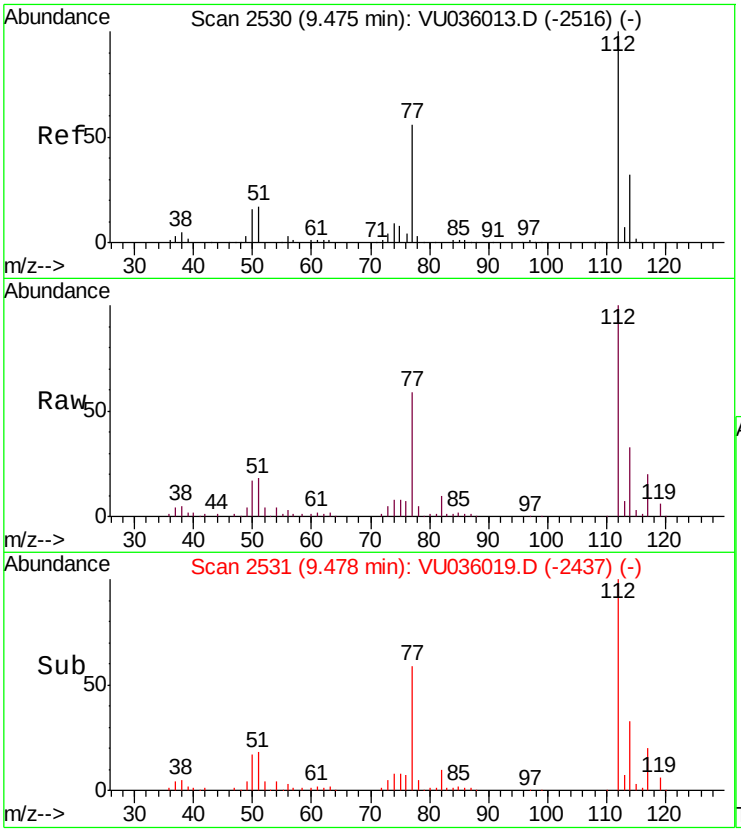


#47
Tetrachloroethene
Concen: 0.097 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion:164 Resp: 1891

Ion	Ratio	Lower	Upper
164	100		
129	75.7	67.9	126.1
131	58.4	64.1	119.1#
166	122.0	92.6	172.0



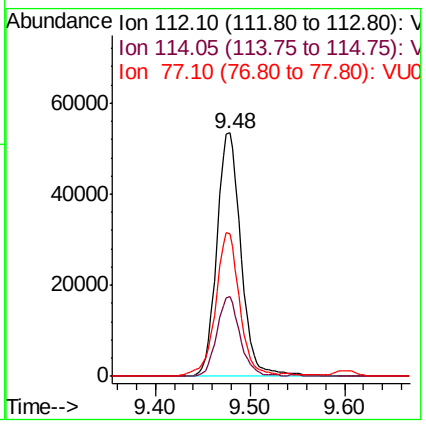


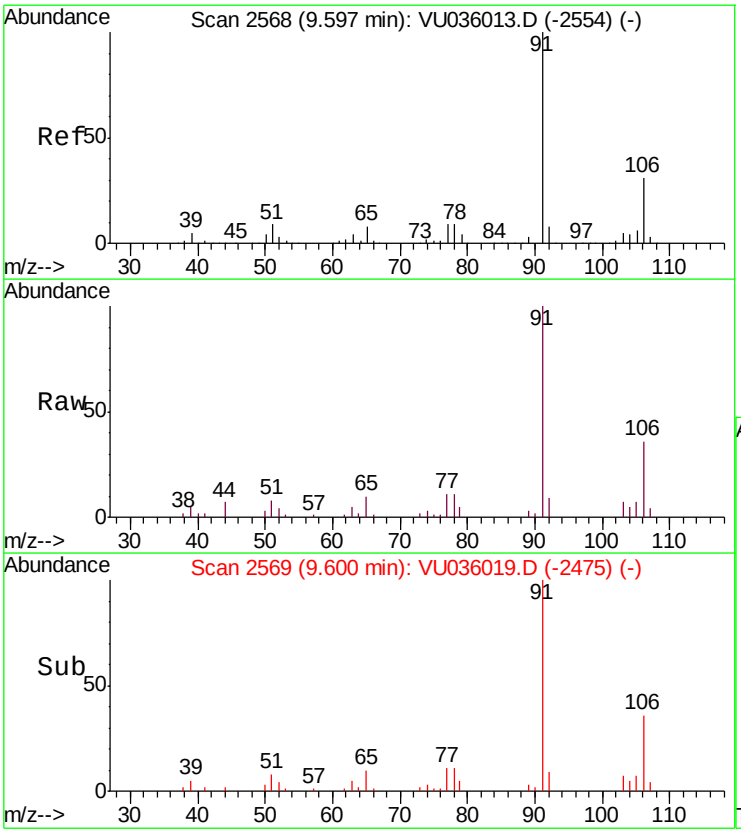
#51
Chlorobenzene
Concen: 1.531 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion:112 Resp: 94918

Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.5	41.7
77	58.7	47.7	71.5

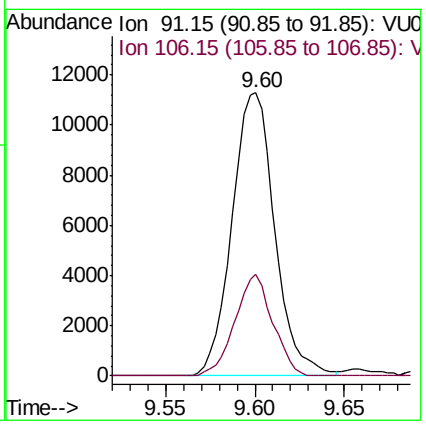


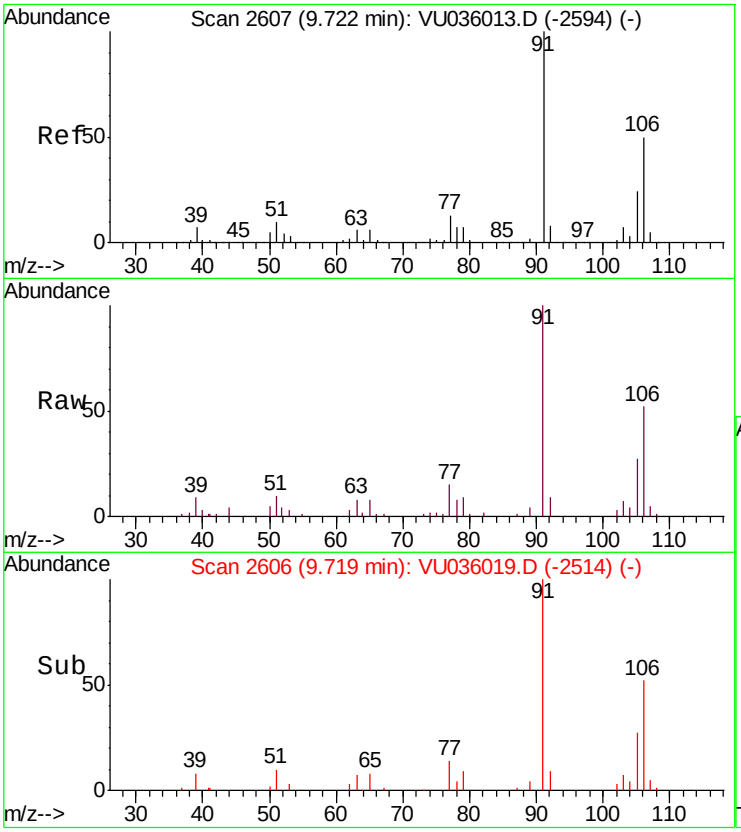


#52
Ethylbenzene
Concen: 0.188 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 91 Resp: 18922

Ion	Ratio	Lower	Upper
91	100		
106	36.0	21.1	39.3



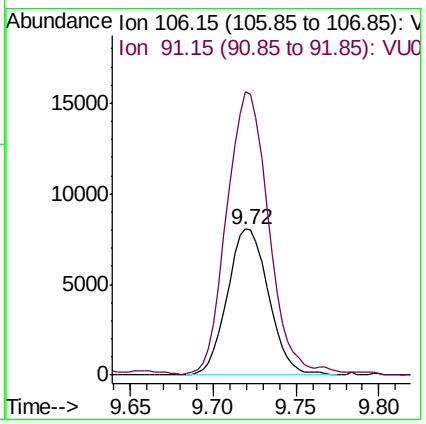


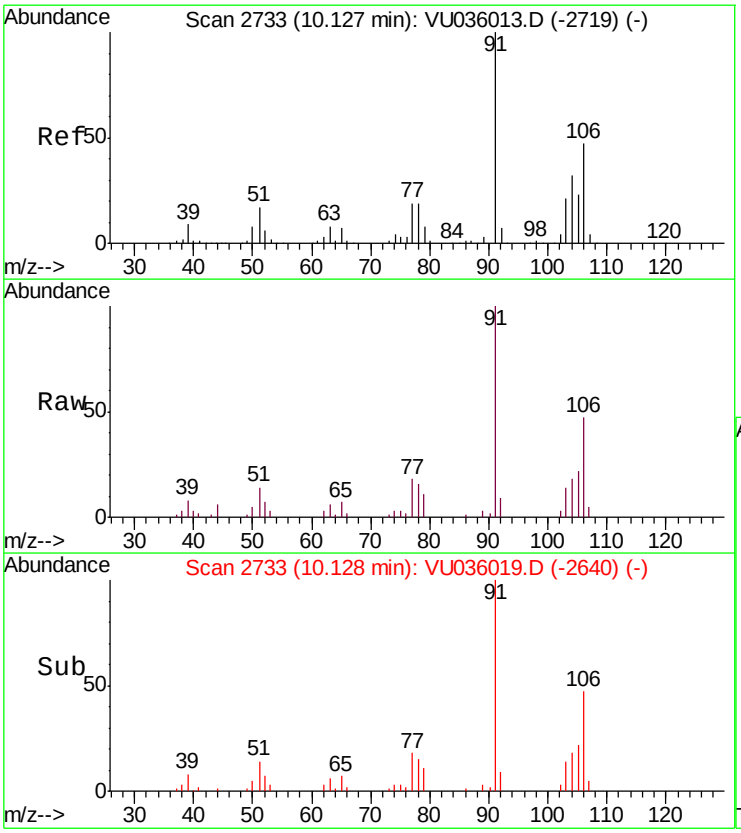
#53
m,p-Xylene
Concen: 0.368 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion:106 Resp: 13957

Ion	Ratio	Lower	Upper
106	100		
91	193.4	138.9	257.9

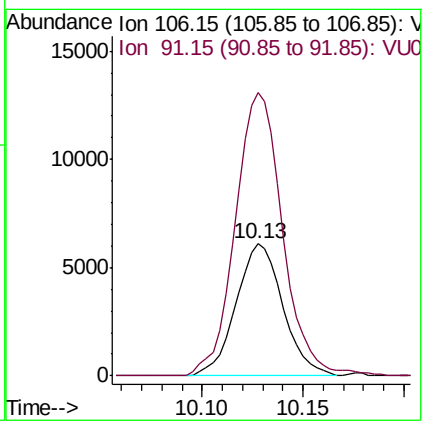


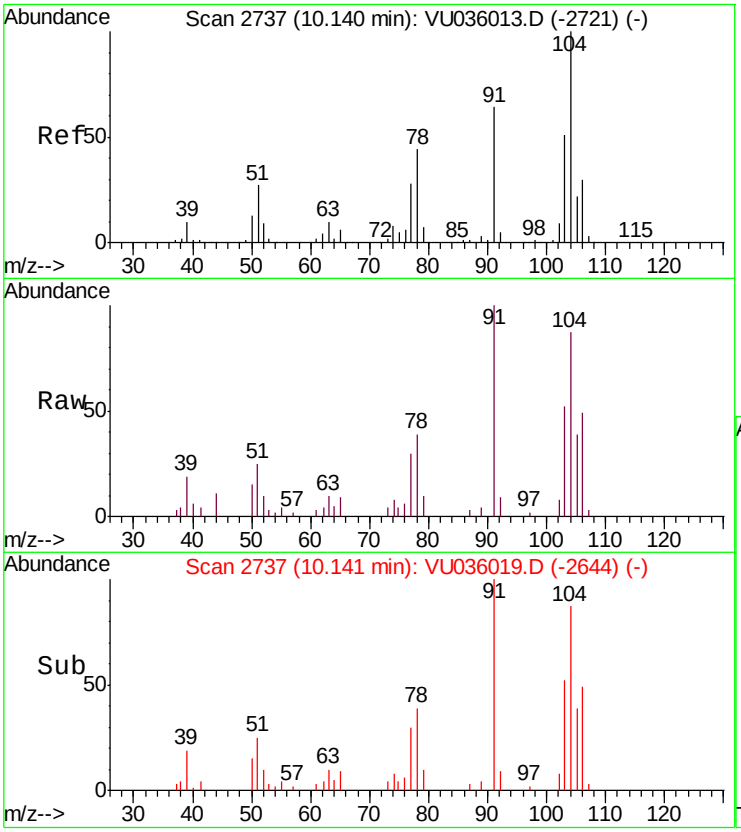


#54
o-Xylene
Concen: 0.279 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion:106 Resp: 9923

Ion	Ratio	Lower	Upper
106	100		
91	214.3	155.3	288.3



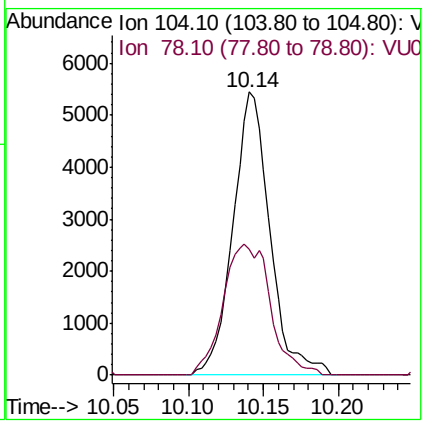


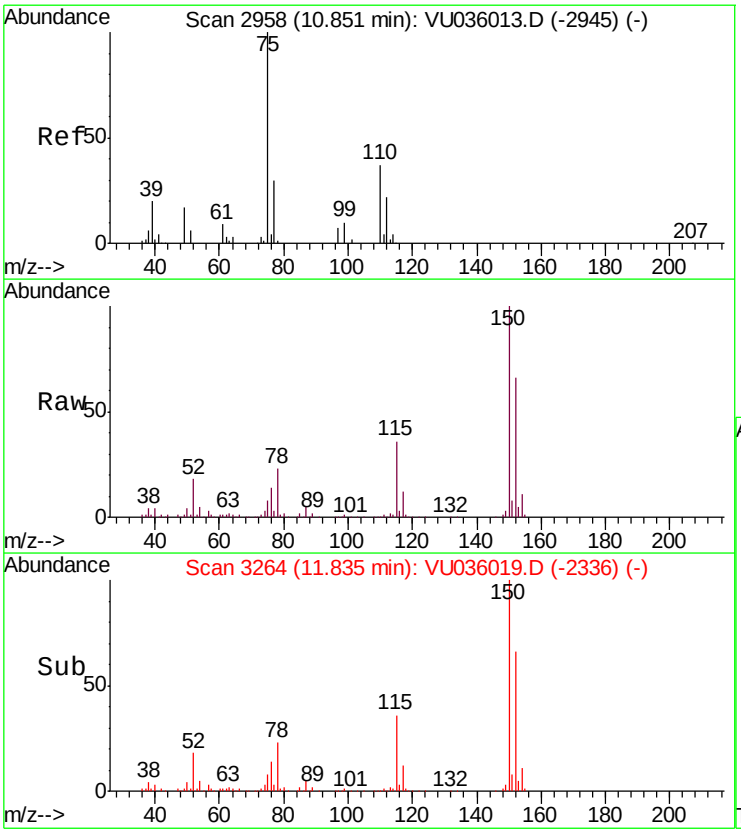
#55
Styrene
Concen: 0.157 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion:104 Resp: 9385

Ion	Ratio	Lower	Upper
104	100		
78	44.4	31.2	58.0

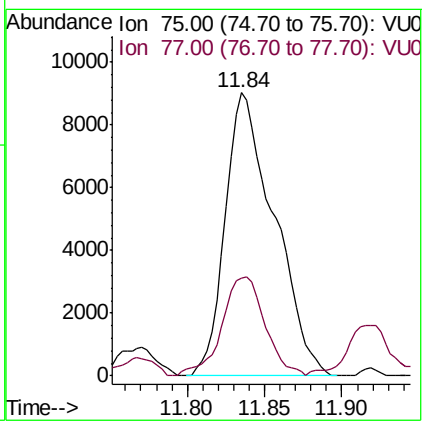


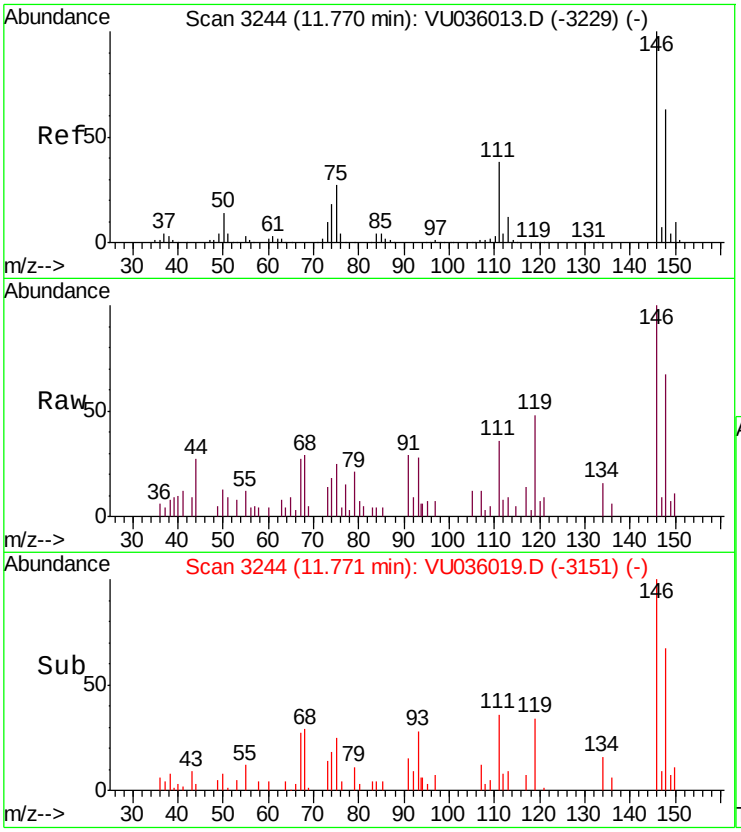


#59
1,2,3-Trichloropropane
Concen: 1.186 ug/L
RT: 11.84 min Scan# 3264
Delta R.T. 0.98 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion: 75 Resp: 19848

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.6	39.8



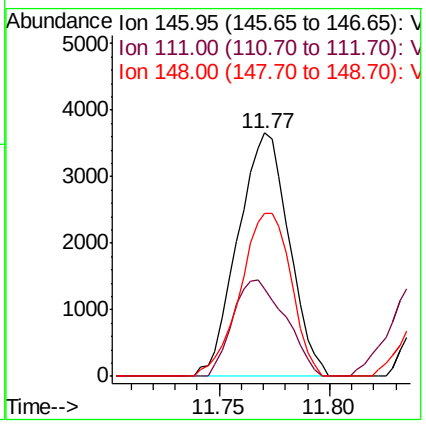


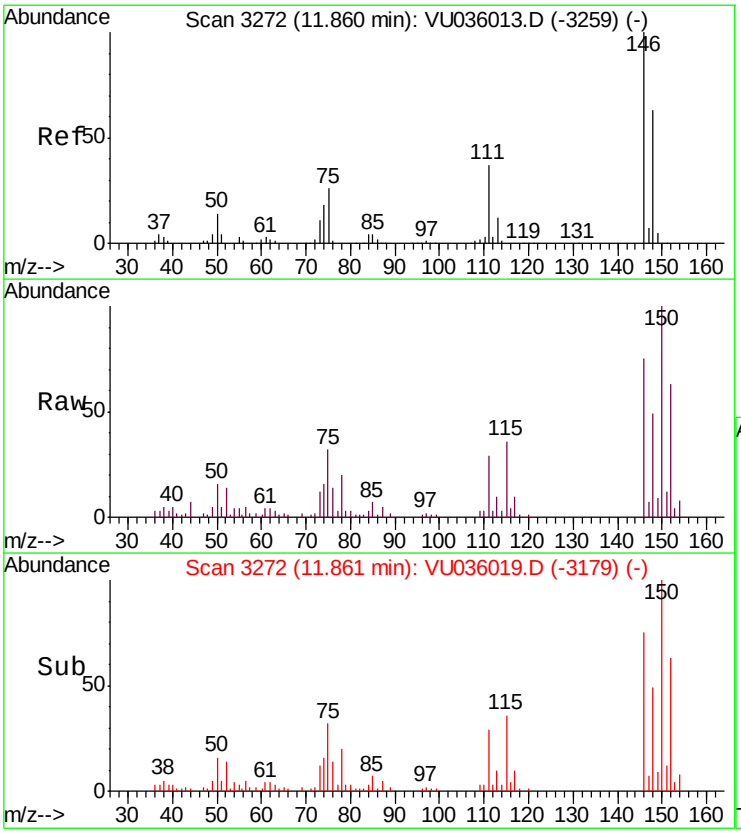
#62
1,3-Dichlorobenzene
Concen: 0.135 ug/L
RT: 11.77 min Scan# 3244
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion:146 Resp: 5865

Ion	Ratio	Lower	Upper
146	100		
111	35.8	27.6	51.4
148	67.2	43.4	80.6

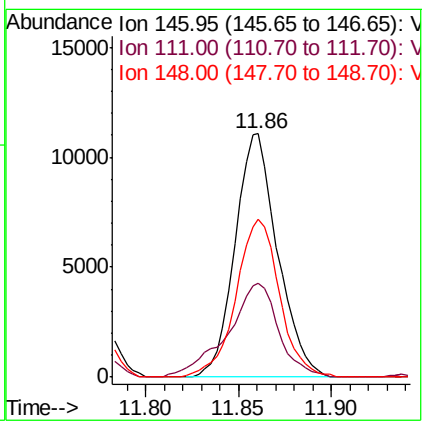


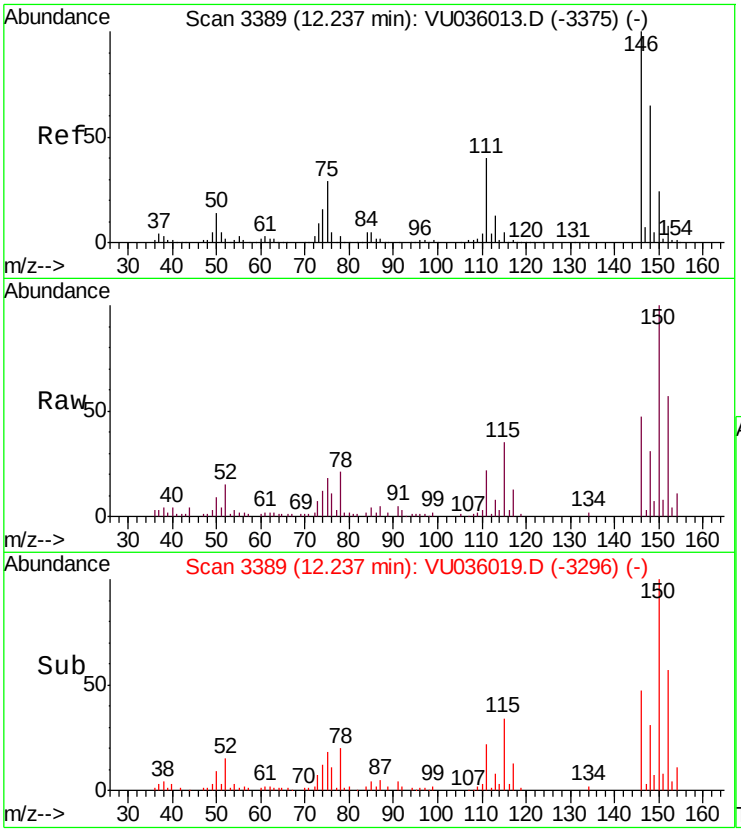


#63
1,4-Dichlorobenzene
Concen: 0.411 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion:146 Resp: 17661

Ion	Ratio	Lower	Upper
146	100		
111	38.7	28.5	52.9
148	64.7	44.4	82.5



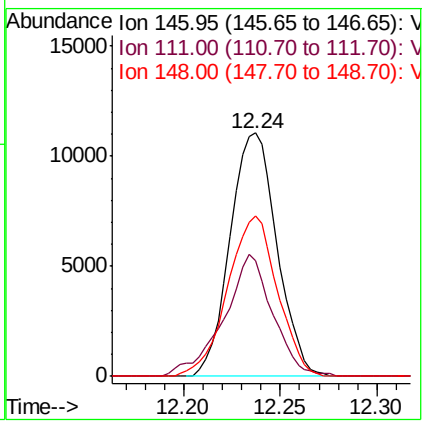


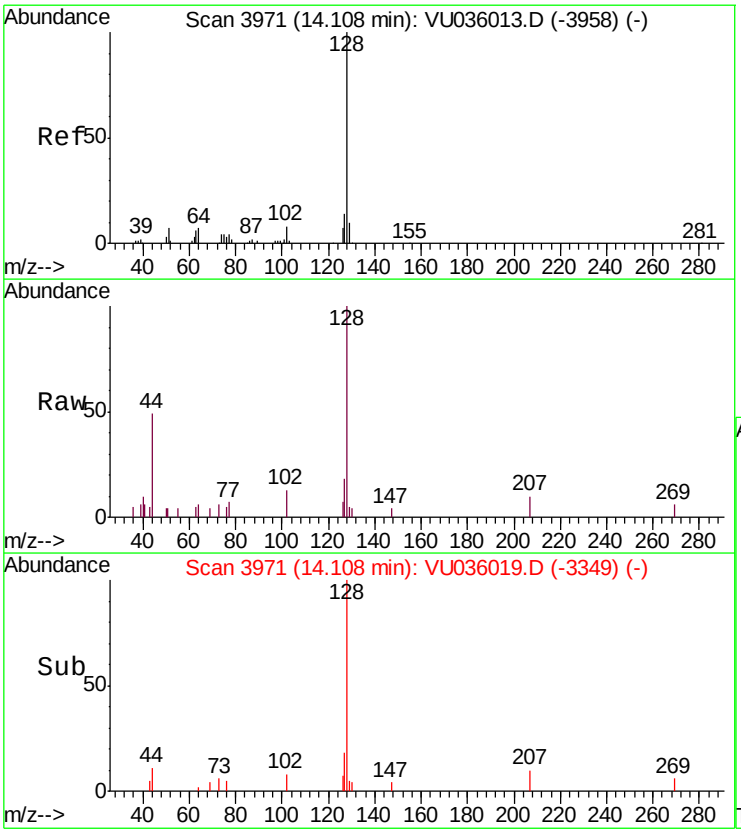
#65
1,2-Dichlorobenzene
Concen: 0.450 ug/L
RT: 12.24 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion:146 Resp: 18626

Ion	Ratio	Lower	Upper
146	100		
111	47.3	32.6	48.8
148	65.8	50.9	76.3





#69
Naphthalene
Concen: 0.232 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. 0.00 min
Lab File: VU036019.D
Acq: 06 Dec 2019 13:11

Tgt Ion:128 Resp: 4183

Ion	Ratio	Lower	Upper
128	100		
129	4.4	8.4	12.6#
127	12.5	10.6	15.8