Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121119\

Quantitation Report (Not Reviewed)

Data File : VU036133.D
Acq On : 11 Dec 2019 15:10
Operator : JC/MD
Sample : K6167-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQX1

Quant Time: Dec 12 06:15:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	297571	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	322139	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	124178	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	131199	4.95	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 99.00%			
7) Chloroethane-d5	1.93	69	126676	4.55	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 91.00%			
11) 1,1-Dichloroethene-d2	2.59	63	140622	2.90	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 58.00%#			
20) 2-Butanone-d5	4.70	46	264180	58.45	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 116.90%			
24) Chloroform-d	5.11	84	213110	4.95	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.00%			
26) 1,2-Dichloroethane-d4	5.75	65	104753	4.70	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.00%			
32) Benzene-d6	5.77	84	396596	4.86	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.20%			
36) 1,2-Dichloropropane-d6	6.73	67	128048	5.21	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 104.20%			
41) Toluene-d8	7.93	98	323155	4.29	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.80%			
43) trans-1,3-Dichloropropene-	8.21	79	45299	4.42	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 88.40%			
46) 2-Hexanone-d5	8.68	63	196432	52.97	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 105.94%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	112067	4.95	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.00%			
64) 1,2-Dichlorobenzene-d4	12.22	152	123611	5.17	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 103.40%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	35449	1.190	ug/L	87
8) Chloroethane	1.95	64	19030	0.839	ug/L	98
12) 1,1-Dichloroethene	2.59	96	2120	0.082	ug/L #	1
13) Acetone	2.68	43	174814	30.470	ug/L	99
16) Methylene chloride	3.08	84	9860	0.328	ug/L	95
19) 1,1-Dichloroethane	3.92	63	74383	1.875	ug/L	98
21) 2-Butanone	4.78	43	13420	2.337	ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	72691	3.134	ug/L	89
25) Chloroform	5.14	83	60793	1.375	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	36585	1.008	ug/L	96
31) Carbon tetrachloride	5.36	117	5296	0.161	ug/L	99
33) Benzene	5.82	78	89451	1.016	ug/L	100
34) Trichloroethene	6.58	95	3396	0.145	ug/L	87
35) Methylcyclohexane	6.73	83	30982	0.988	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	13423	0.608	ug/L #	87
38) Bromodichloromethane	7.14	83	7908	0.266	ug/L	94
39) cis-1,3-Dichloropropene	7.60	75	3320	0.111	ug/L #	68

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121119\

Quantitation Report (Not Reviewed)

Data File : VU036133.D
Acq On : 11 Dec 2019 15:10
Operator : JC/MD
Sample : K6167-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQX1

Quant Time: Dec 12 06:15:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Toluene	8.00	91	19702	0.209	ug/L		91
48) 2-Hexanone	8.73	43	8475	1.024	ug/L	#	77
51) Chlorobenzene	9.48	112	338647	5.146	ug/L		96
53) m,p-Xylene	9.72	106	5754	0.146	ug/L		92
54) o-Xylene	10.13	106	5632	0.152	ug/L		95
55) Styrene	10.14	104	8377	0.132	ug/L		93
56) Isopropylbenzene	10.51	105	35207	0.361	ug/L		98
59) 1,2,3-Trichloropropane	11.84	75	16561	1.049	ug/L	#	41
62) 1,3-Dichlorobenzene	11.77	146	2682	0.066	ug/L		93
63) 1,4-Dichlorobenzene	11.86	146	10644	0.266	ug/L		97
65) 1,2-Dichlorobenzene	12.24	146	9255	0.231	ug/L		91
69) Naphthalene	14.11	128	1551	0.110	ug/L	#	81

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121119\

Quantitation Report (Not Reviewed)

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Operator : JC/MD
Sample : K6167-18
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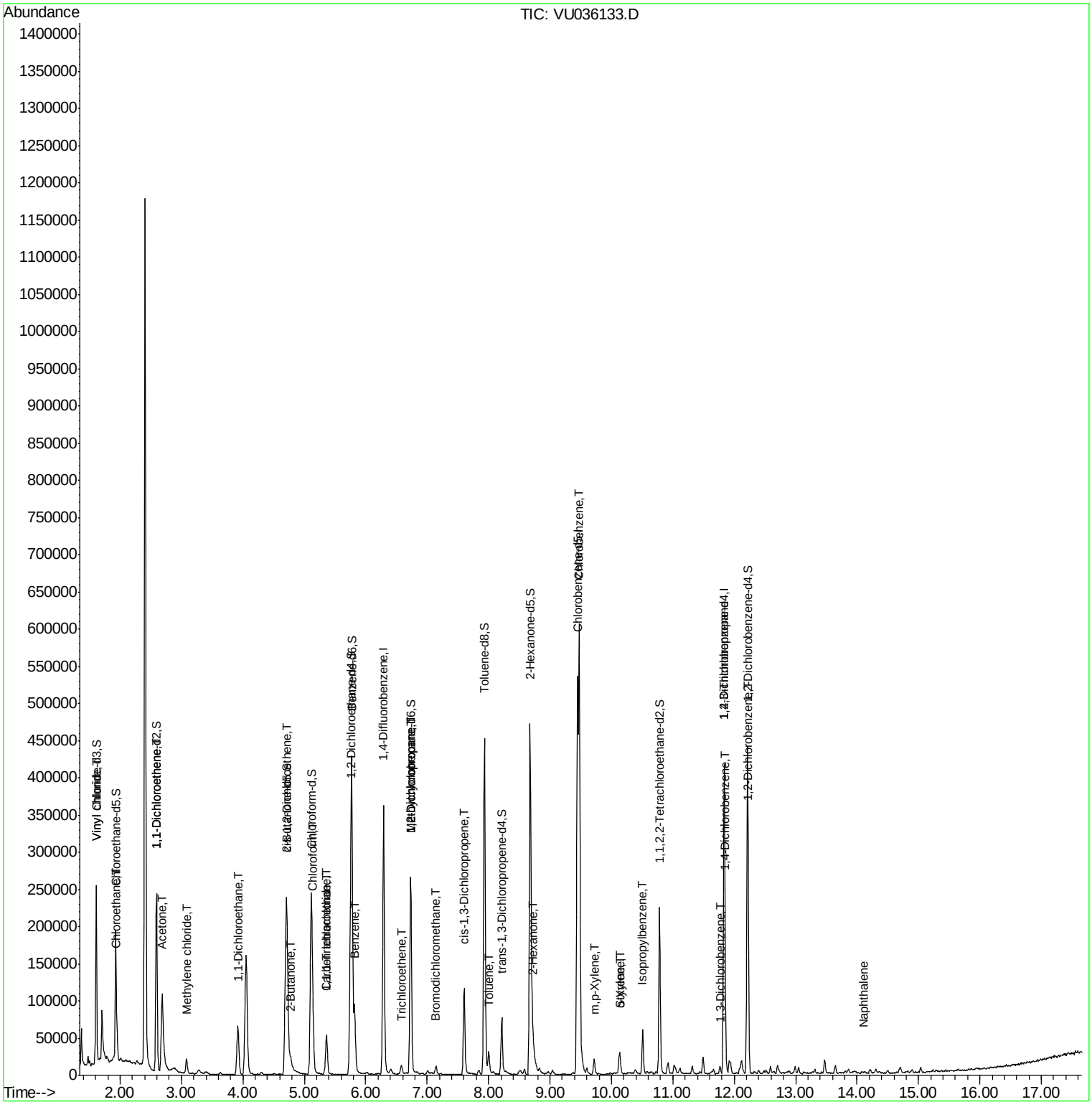
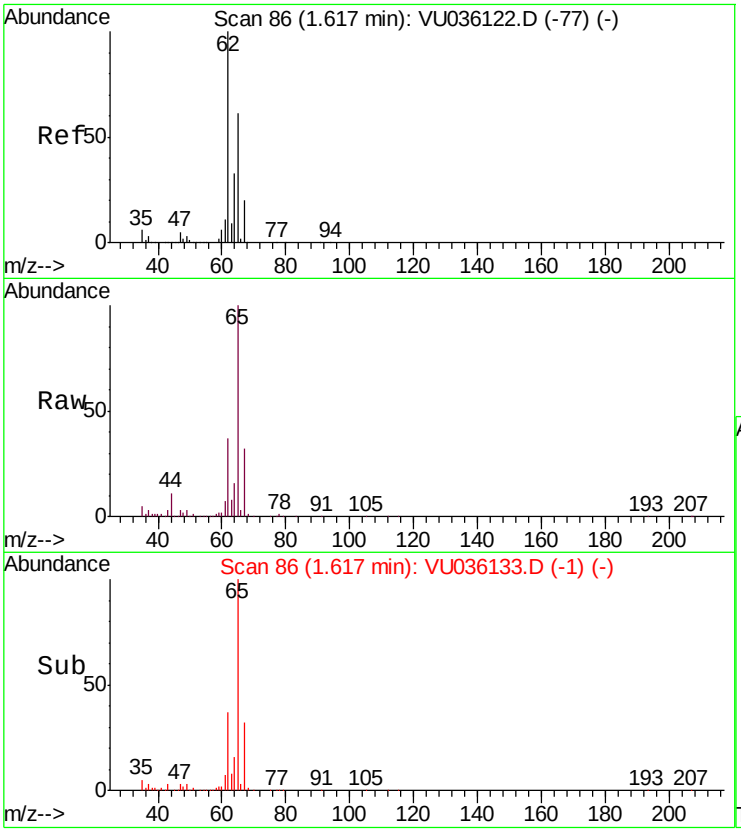
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration



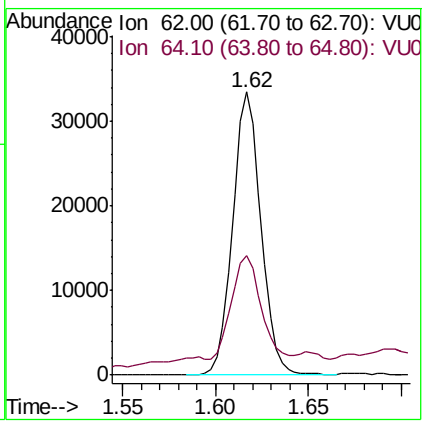


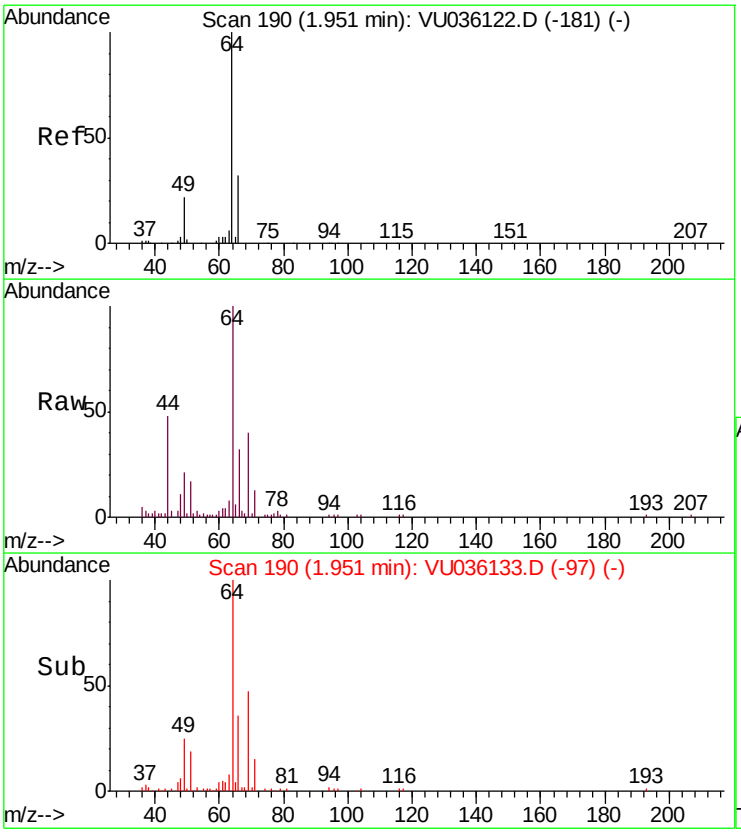
#5
Vinyl chloride
Concen: 1.190 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
BFQX1

Tgt Ion: 62 Resp: 35449

Ion	Ratio	Lower	Upper
62	100		
64	42.1	24.3	45.1

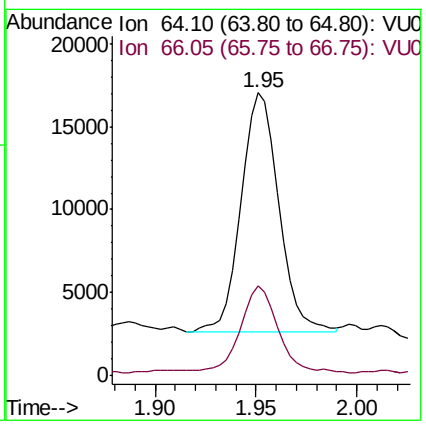


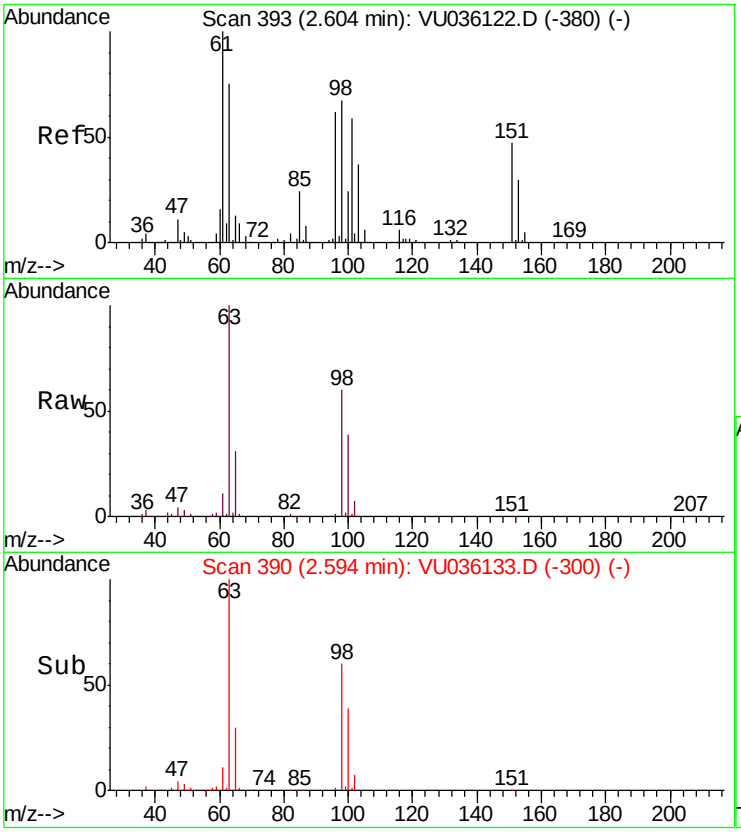


#8
Chloroethane
Concen: 0.839 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 64 Resp: 19030

Ion	Ratio	Lower	Upper
64	100		
66	31.8	21.5	39.9



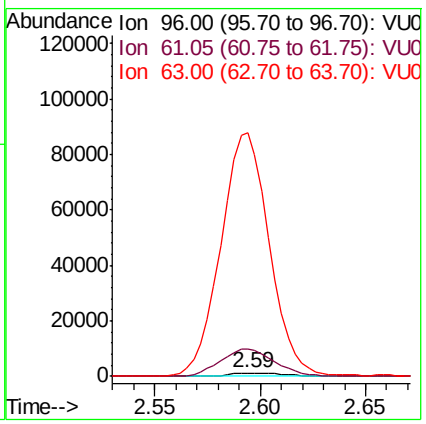


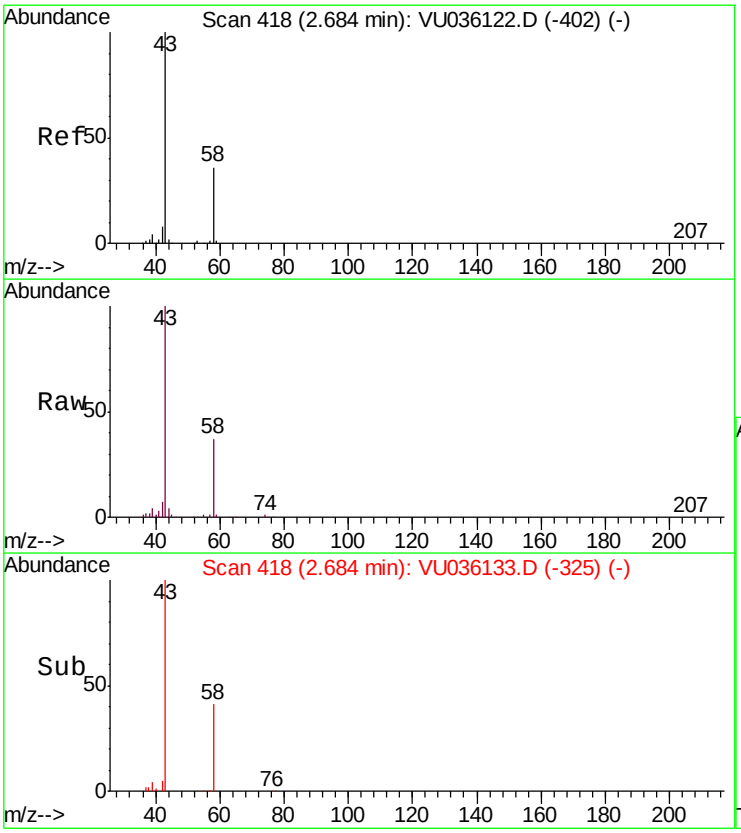
#12
1,1-Dichloroethene
Concen: 0.082 ug/L
RT: 2.59 min Scan# 390
Delta R.T. -0.01 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion: 96 Resp: 2120

Ion	Ratio	Lower	Upper
96	100		
61	898.1	104.3	193.7#
63	7865.9	65.6	121.8#

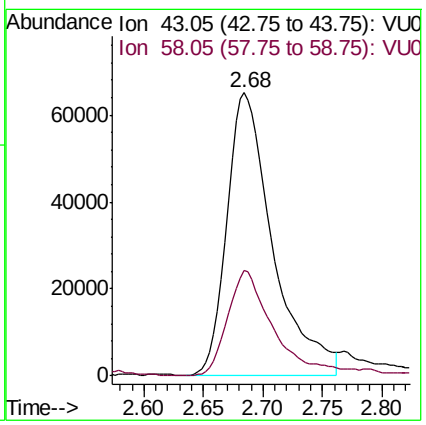


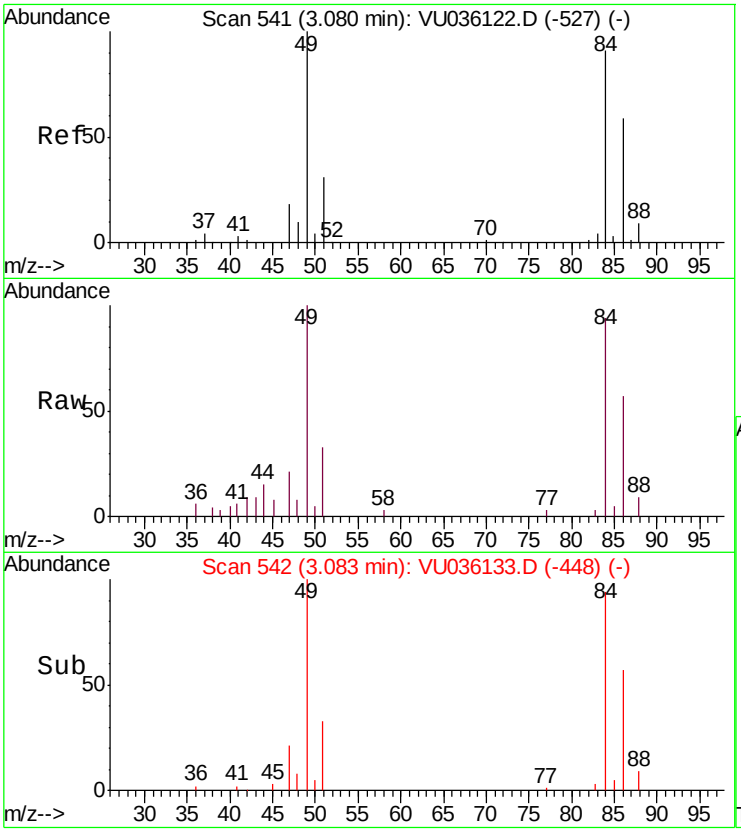


#13
Acetone
Concen: 30.470 ug/L
RT: 2.68 min Scan# 418
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 43 Resp: 174814

Ion	Ratio	Lower	Upper
43	100		
58	37.4	0.0	74.2



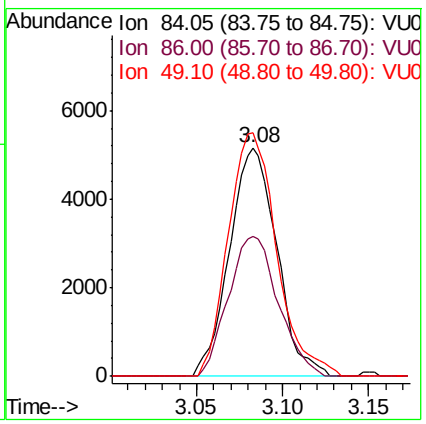


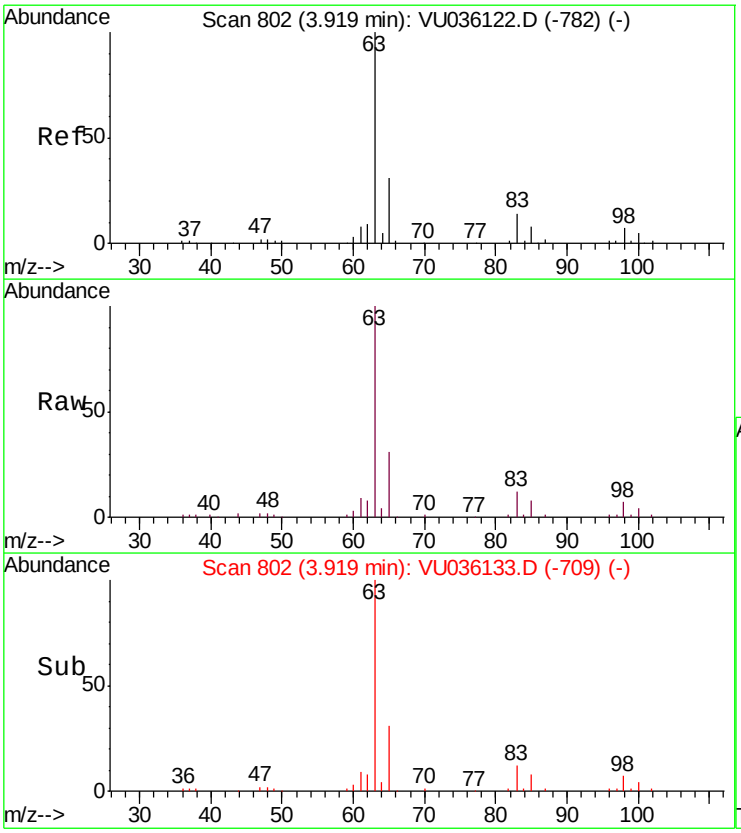
#16
Methylene chloride
Concen: 0.328 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion: 84 Resp: 9860

Ion	Ratio	Lower	Upper
84	100		
86	61.0	47.5	88.3
49	106.5	76.9	142.9

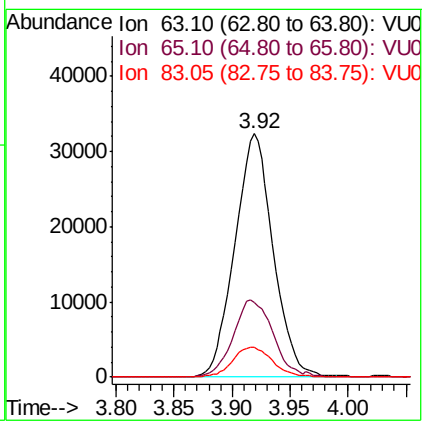


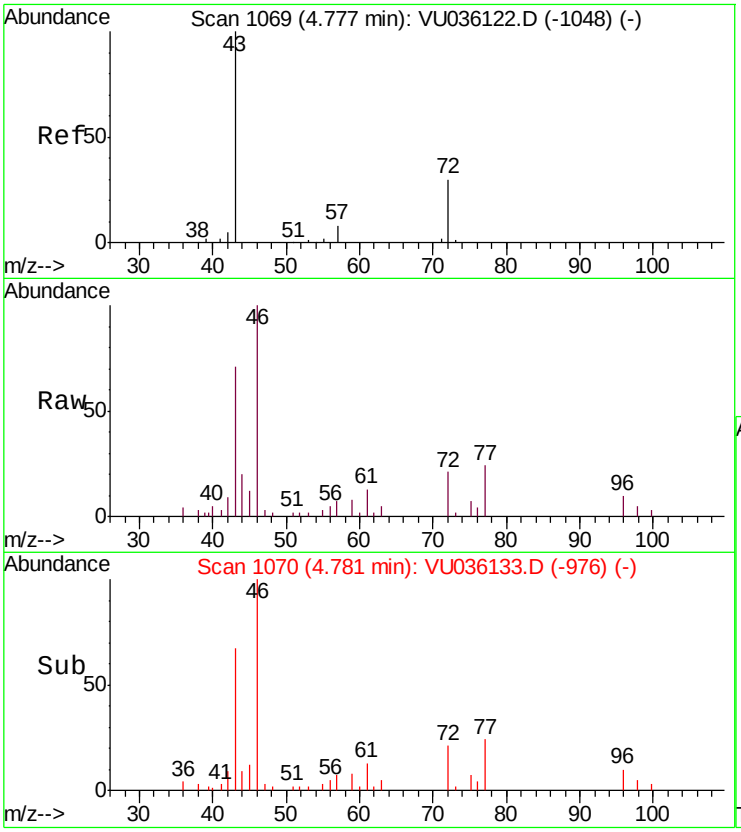


#19
1,1-Dichloroethane
Concen: 1.875 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 63 Resp: 74383

Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.8	40.4
83	12.0	10.1	18.9



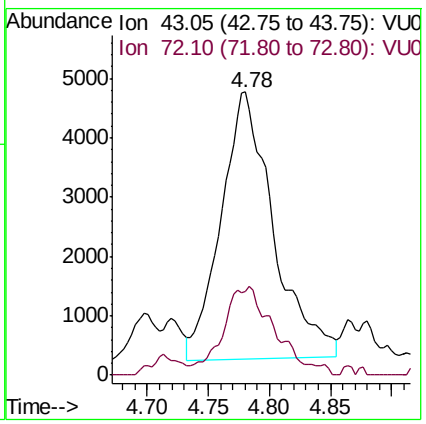


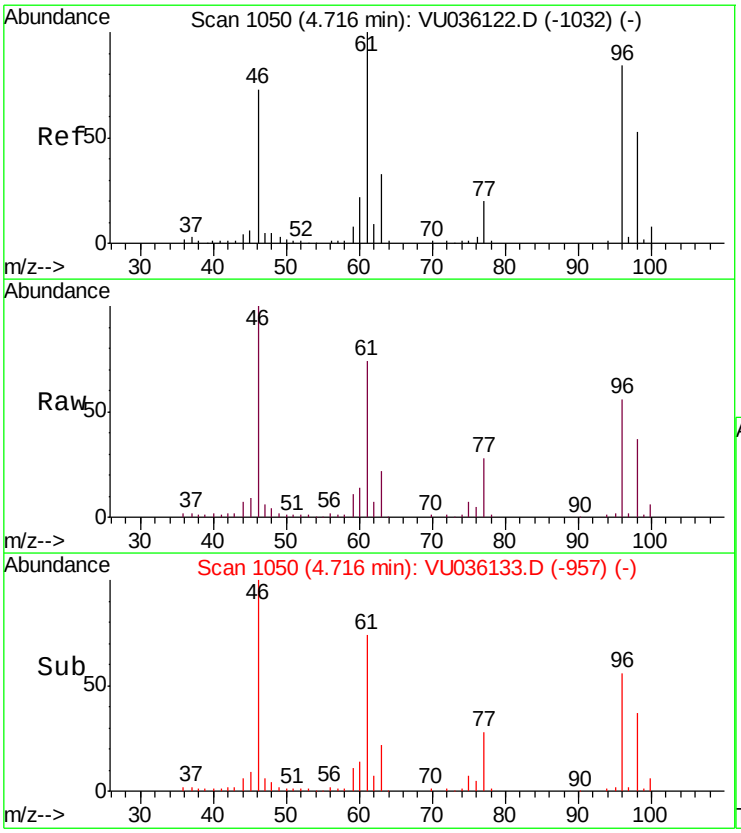
#21
2-Butanone
Concen: 2.337 ug/L
RT: 4.78 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
BFQX1

Tgt Ion: 43 Resp: 13420

Ion	Ratio	Lower	Upper
43	100		
72	33.0	15.0	45.0

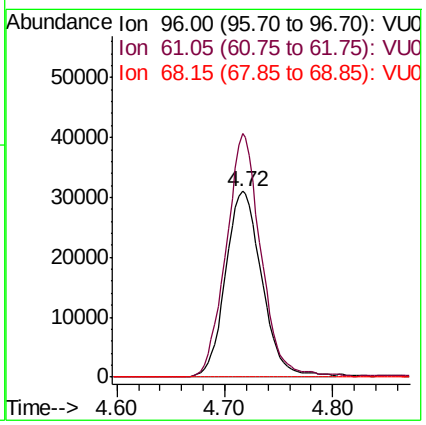


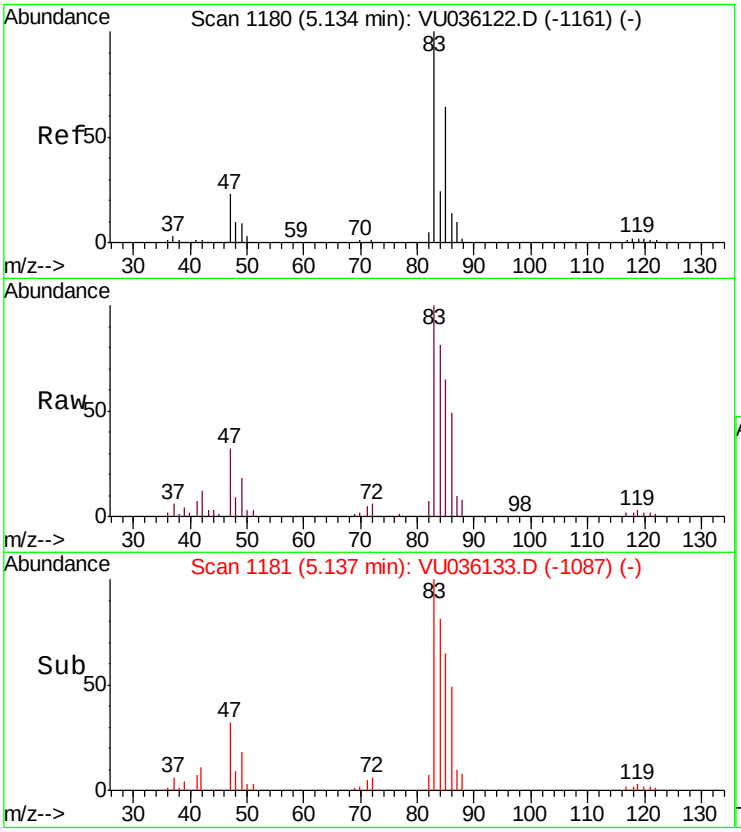


#22
cis-1,2-Dichloroethene
Concen: 3.134 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 96 Resp: 72691

Ion	Ratio	Lower	Upper
96	100		
61	131.1	83.0	154.2
68	0.0	0.0	0.0



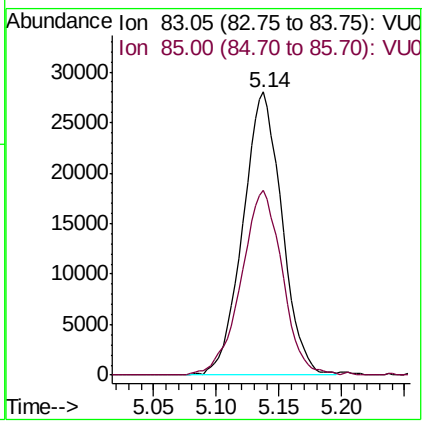


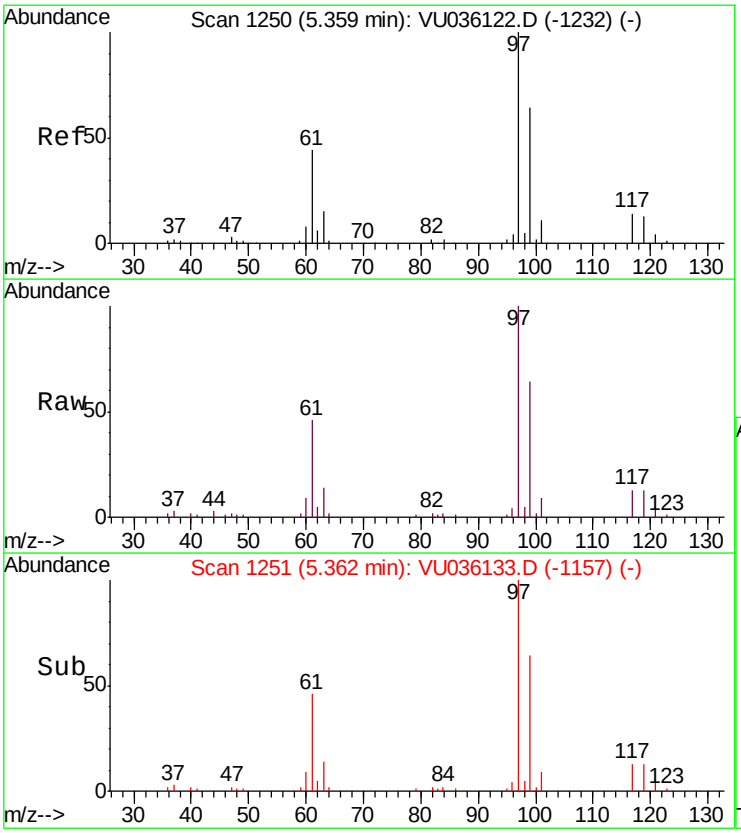
#25
Chloroform
Concen: 1.375 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion: 83 Resp: 60793

Ion	Ratio	Lower	Upper
83	100		
85	65.1	43.9	81.5

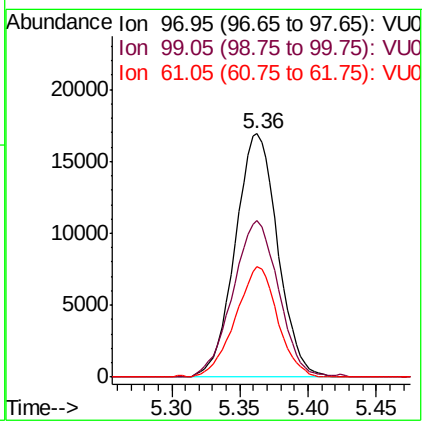


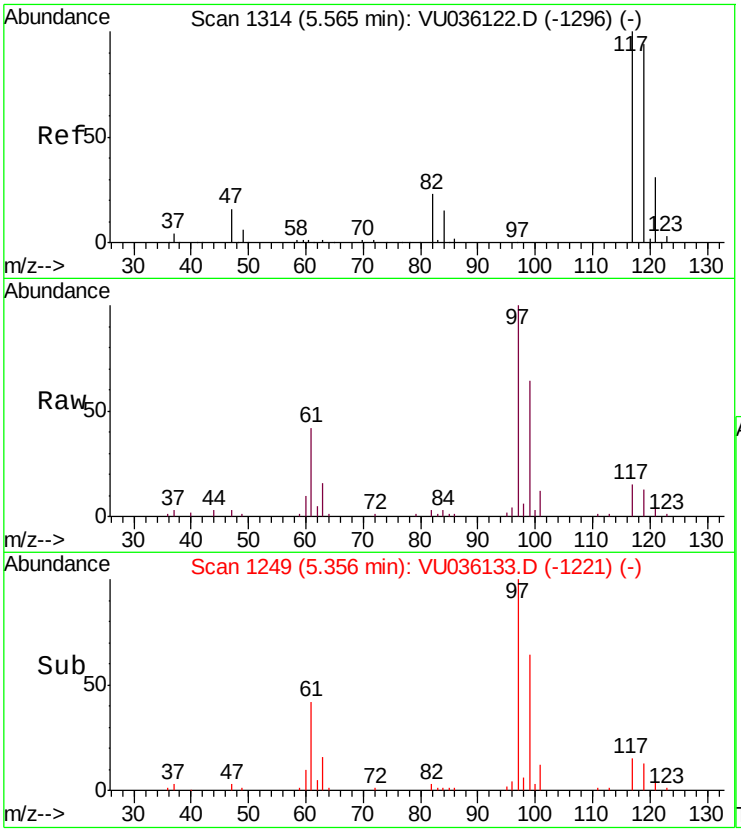


#29
1,1,1-Trichloroethane
Concen: 1.008 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 97 Resp: 36585

Ion	Ratio	Lower	Upper
97	100		
99	68.9	52.2	78.2
61	45.0	34.7	52.1



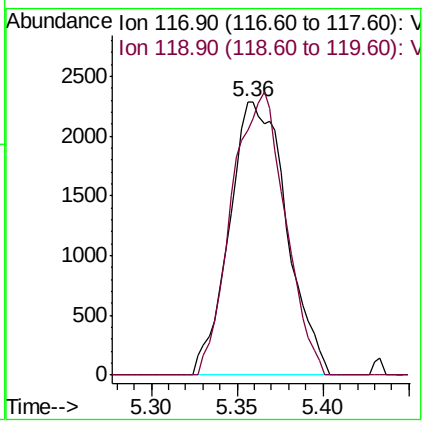


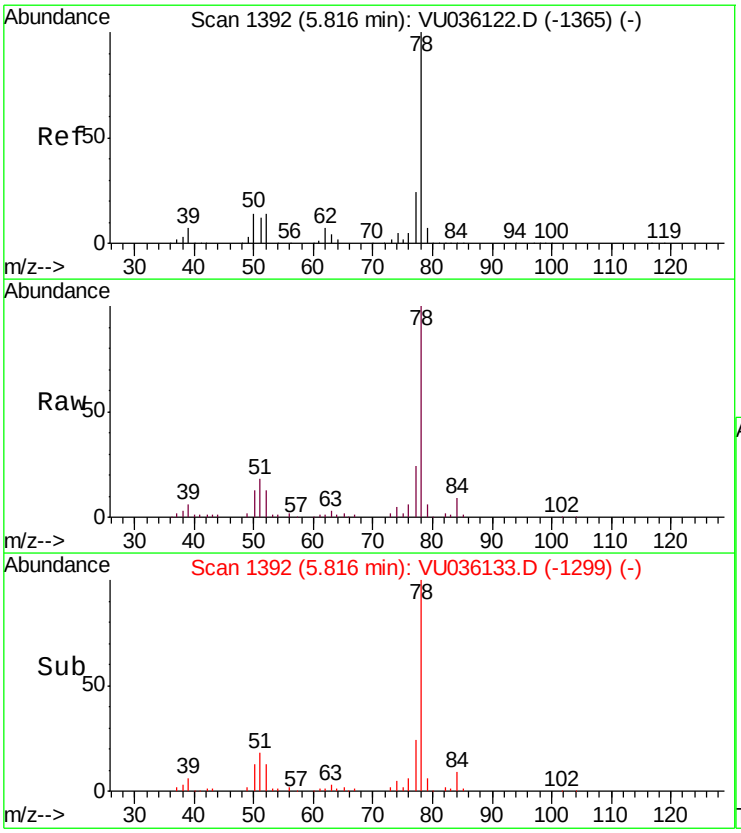
#31
Carbon tetrachloride
Concen: 0.161 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.21 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion:117 Resp: 5296

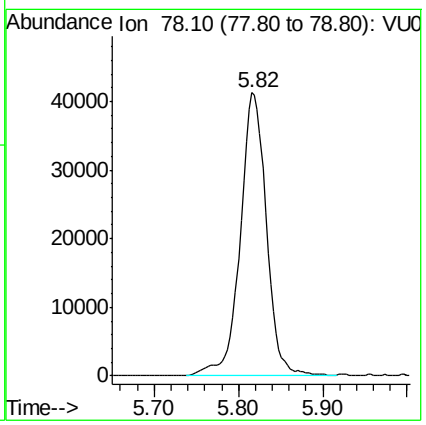
Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.2	117.4

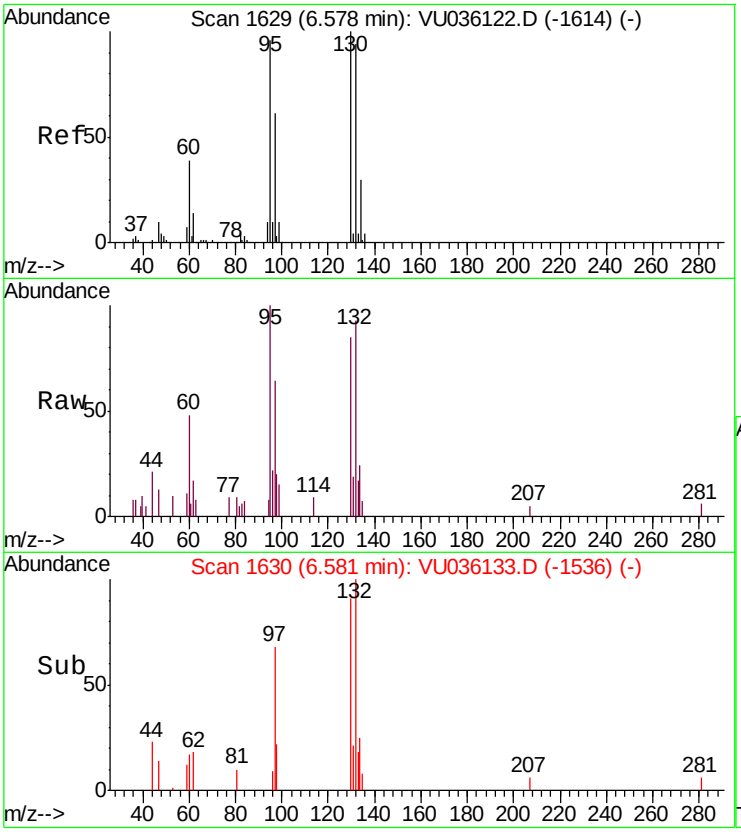




#33
Benzene
Concen: 1.016 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 78 Resp: 89451



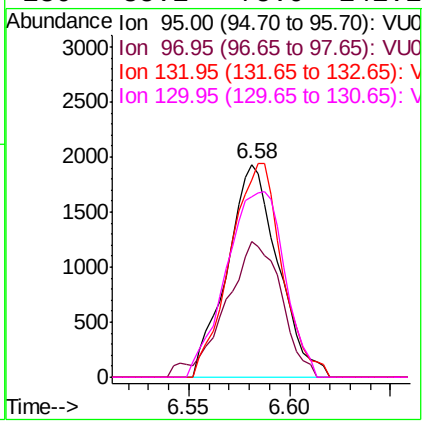


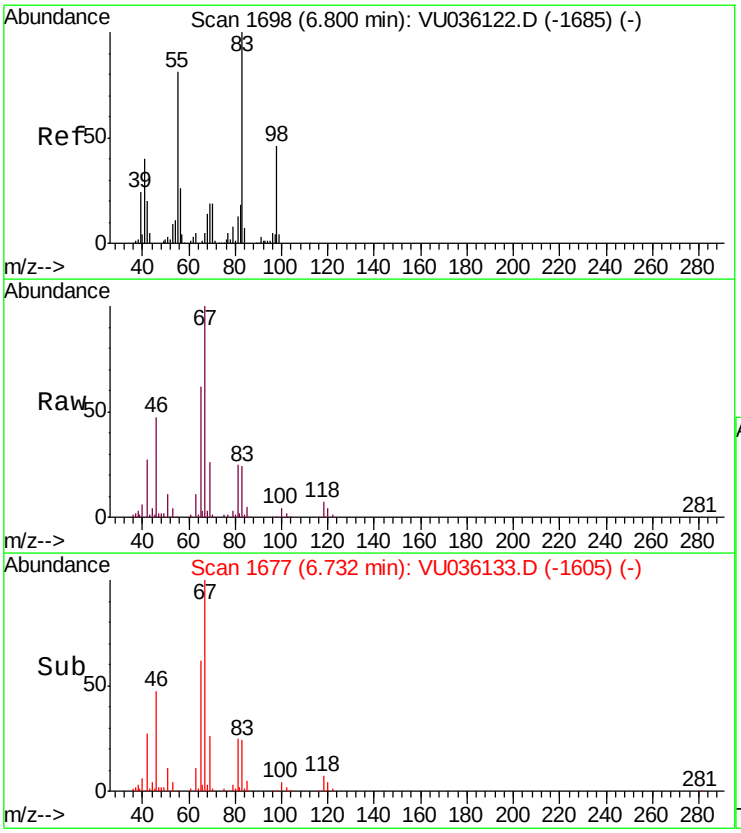
#34
Trichloroethene
Concen: 0.145 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion: 95 Resp: 3396

Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.4	82.4
132	93.0	73.4	136.4
130	85.1	75.9	141.1

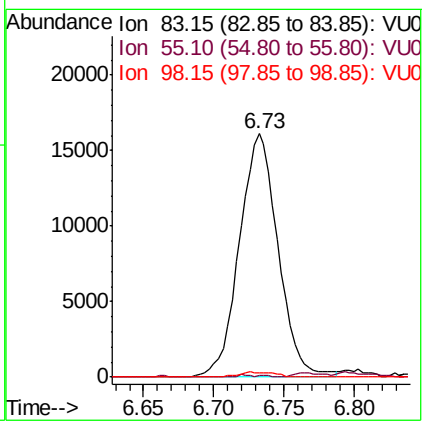


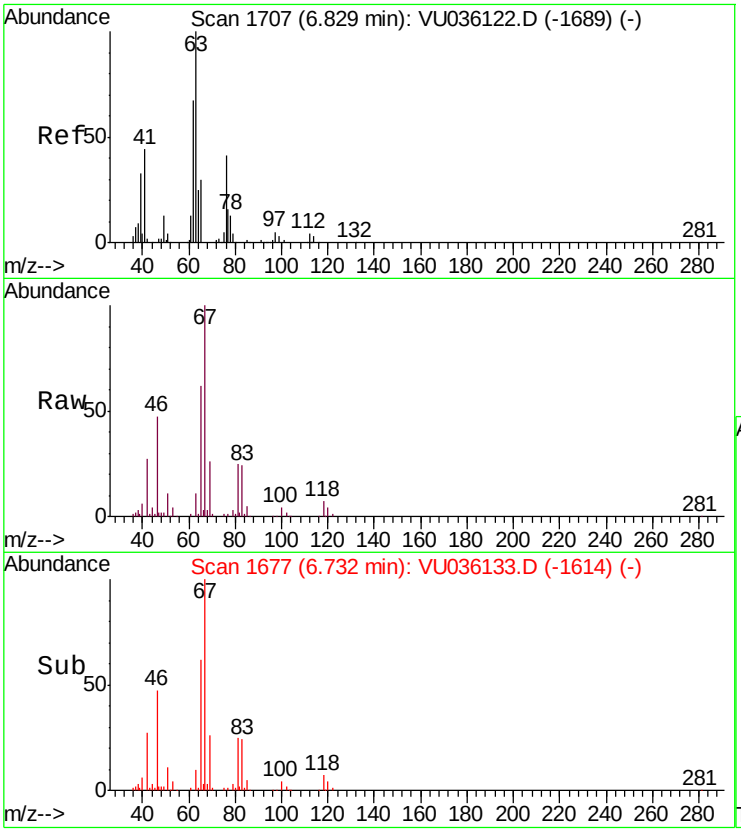


#35
Methylcyclohexane
Concen: 0.988 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 83 Resp: 30982

Ion	Ratio	Lower	Upper
83	100		
55	0.2	62.1	93.1#
98	0.0	37.0	55.4#



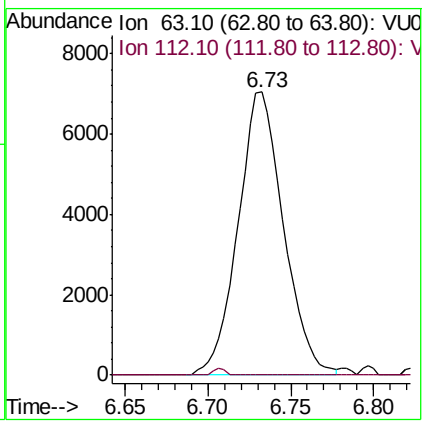


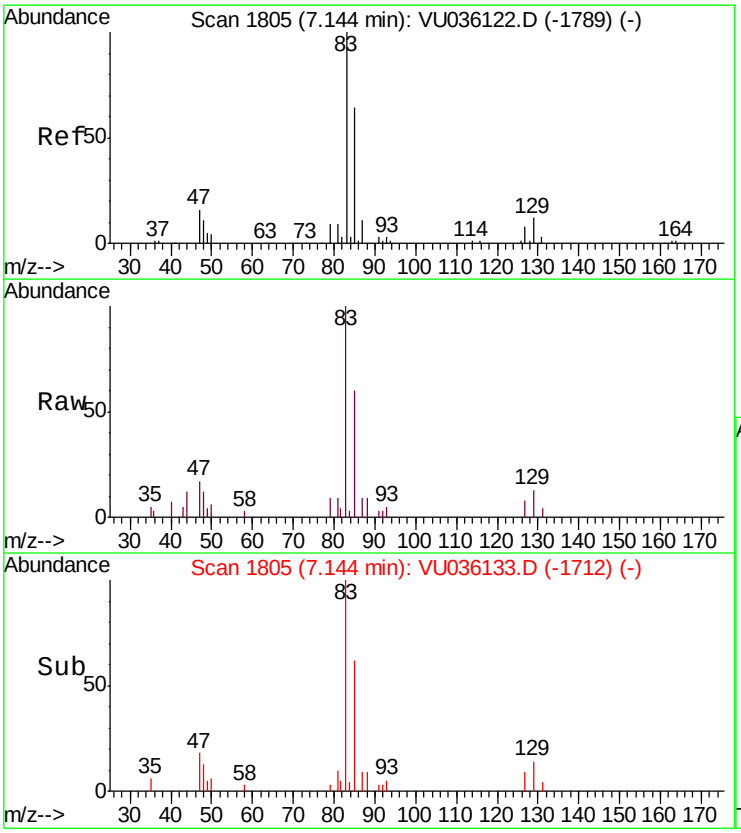
#37
1,2-Dichloropropane
Concen: 0.608 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion: 63 Resp: 13423

Ion	Ratio	Lower	Upper
63	100		
112	0.6	3.8	5.8#

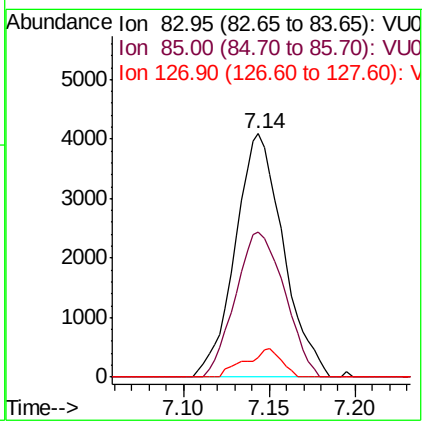


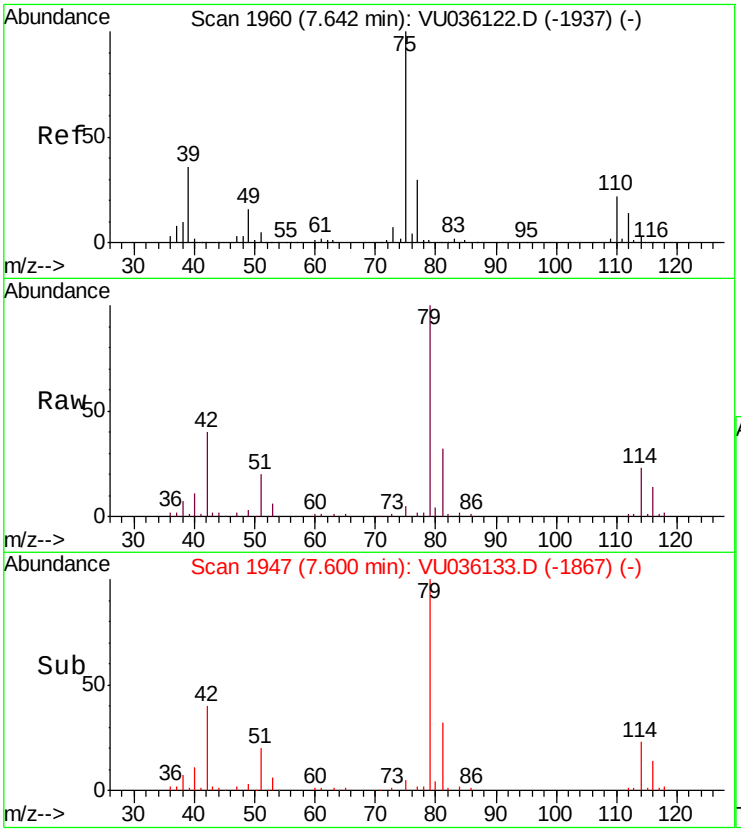


#38
Bromodichloromethane
Concen: 0.266 ug/L
RT: 7.14 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 83 Resp: 7908

Ion	Ratio	Lower	Upper
83	100		
85	59.7	45.2	84.0
127	8.3	7.4	11.2



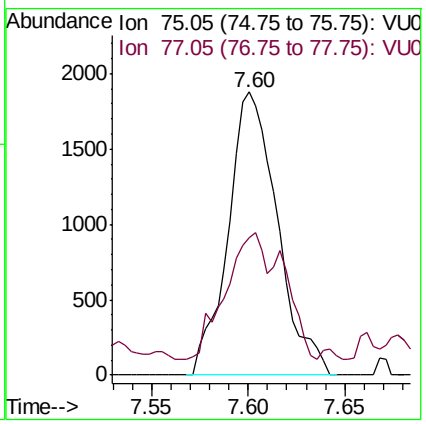


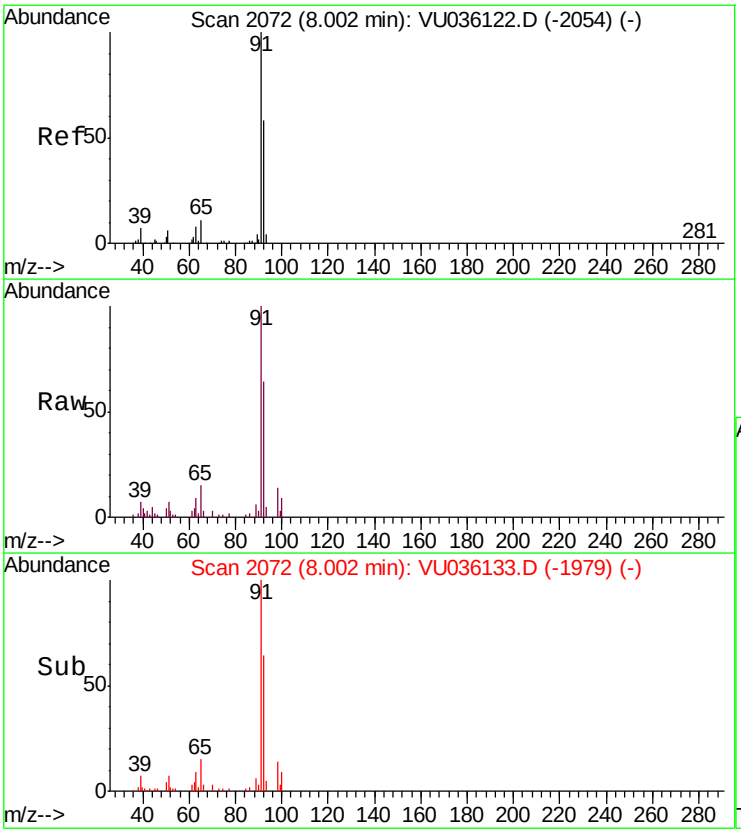
#39
cis-1,3-Dichloropropene
Concen: 0.111 ug/L
RT: 7.60 min Scan# 1947
Delta R.T. -0.04 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
BFQX1

Tgt Ion: 75 Resp: 3320

Ion	Ratio	Lower	Upper
75	100		
77	48.6	21.7	40.3#

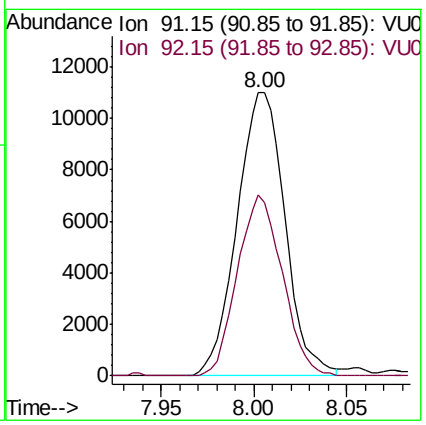


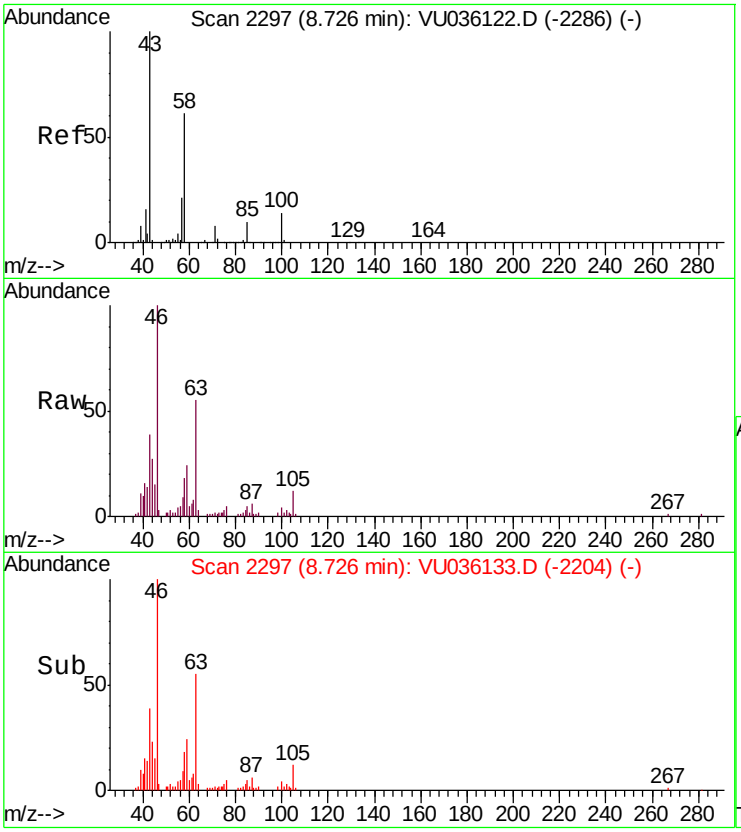


#42
Toluene
Concen: 0.209 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion: 91 Resp: 19702

Ion	Ratio	Lower	Upper
91	100		
92	63.9	40.0	74.4



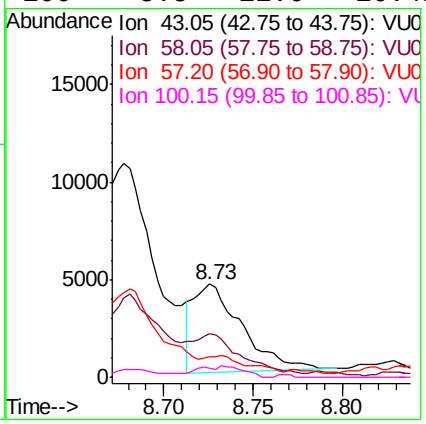


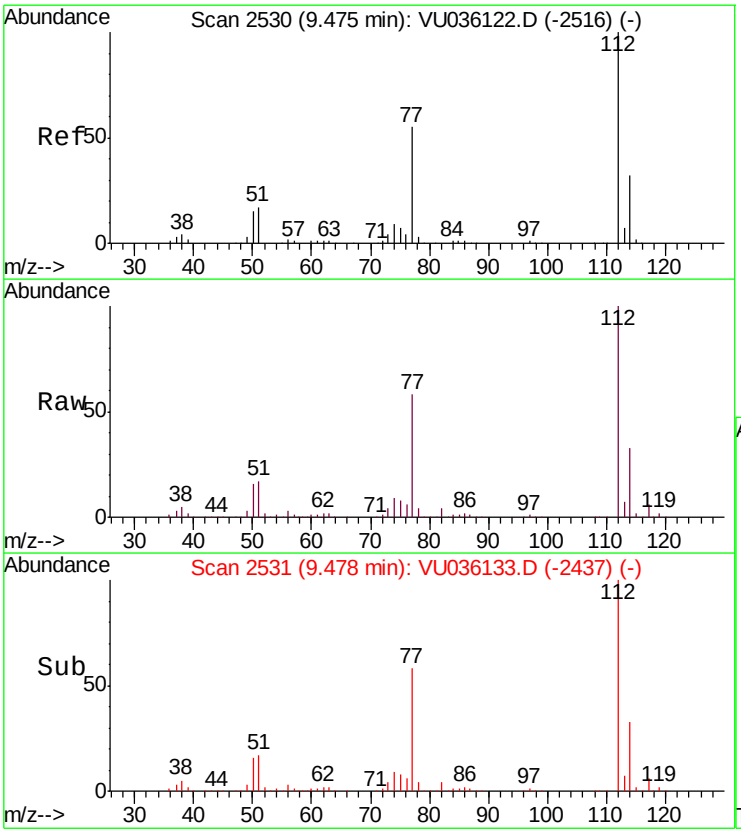
#48
2-Hexanone
Concen: 1.024 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion: 43 Resp: 8475

Ion	Ratio	Lower	Upper
43	100		
58	47.0	46.9	70.3
57	0.0	16.4	24.6#
100	5.5	11.0	16.4#

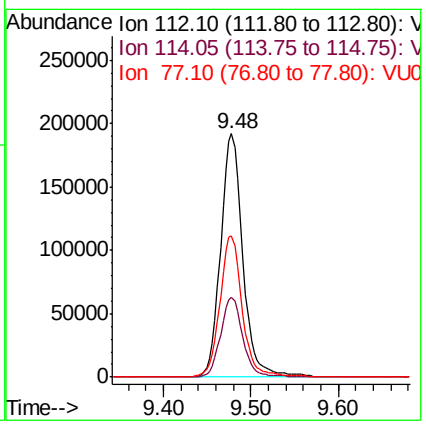


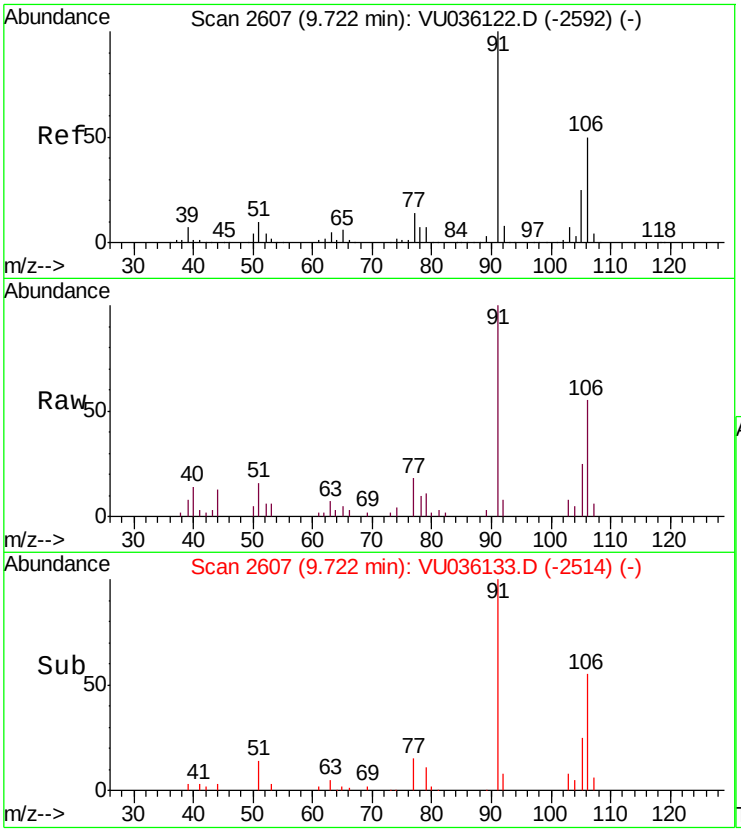


#51
Chlorobenzene
Concen: 5.146 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion:112 Resp: 338647

Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.3	41.5
77	58.2	43.8	65.8



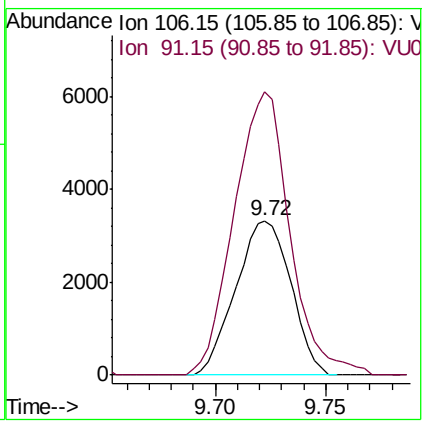


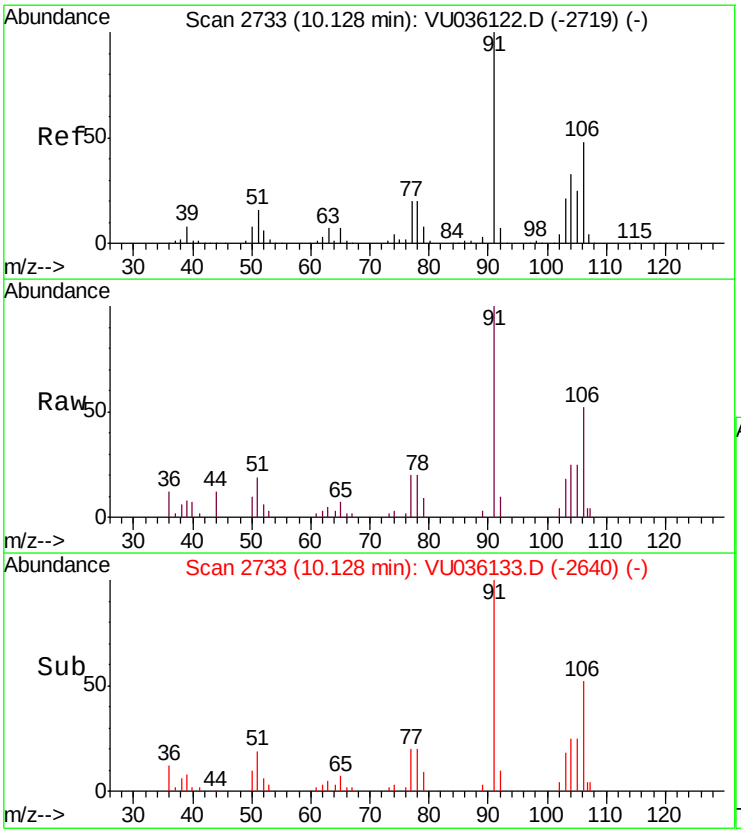
#53
m,p-Xylene
Concen: 0.146 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion:106 Resp: 5754

Ion	Ratio	Lower	Upper
106	100		
91	183.3	136.9	254.3

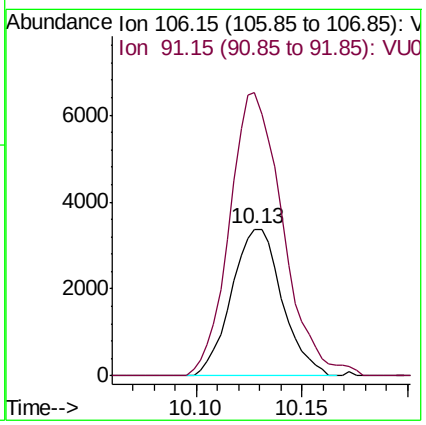


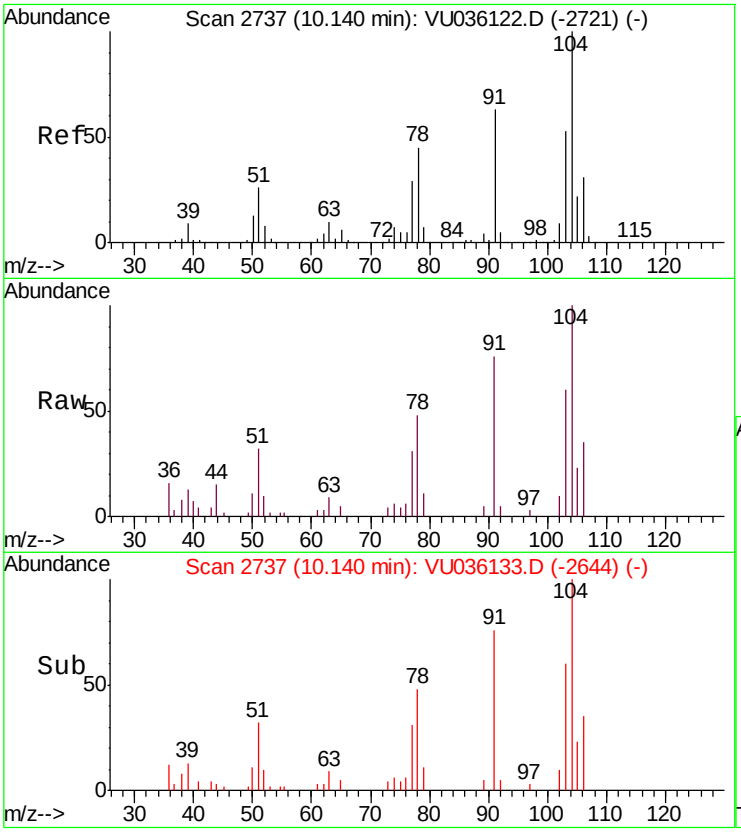


#54
o-Xylene
Concen: 0.152 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion:106 Resp: 5632

Ion	Ratio	Lower	Upper
106	100		
91	192.6	140.6	261.2



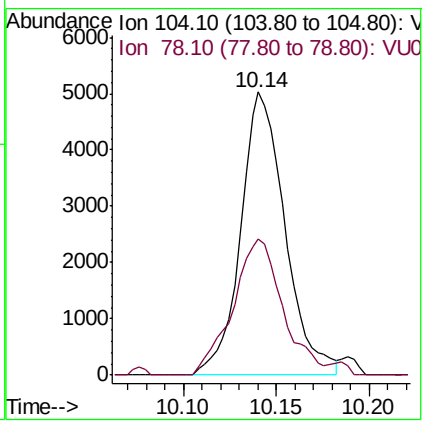


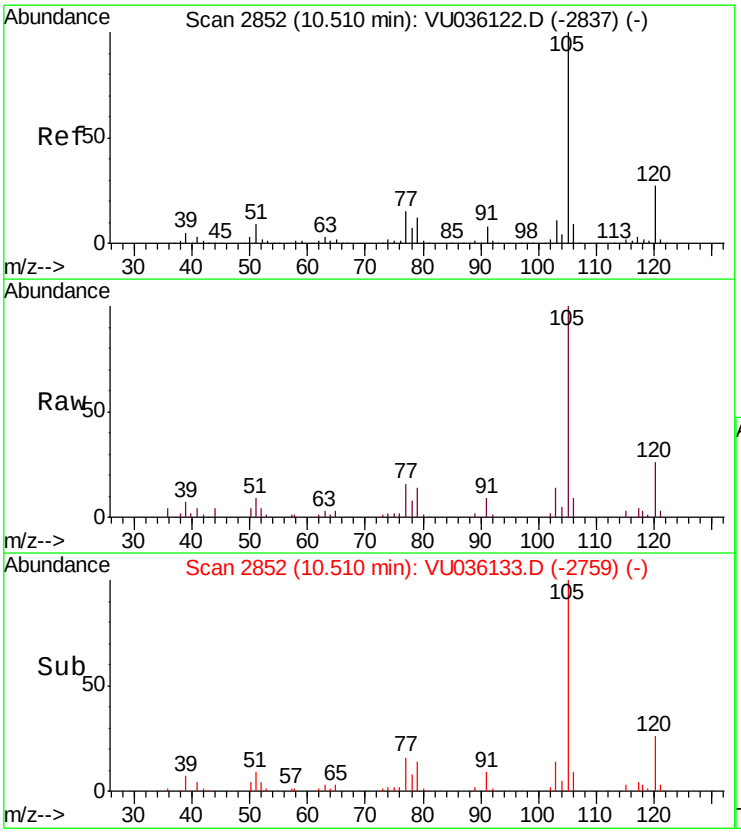
#55
Styrene
Concen: 0.132 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
BFQX1

Tgt Ion:104 Resp: 8377

Ion	Ratio	Lower	Upper
104	100		
78	48.3	30.5	56.7

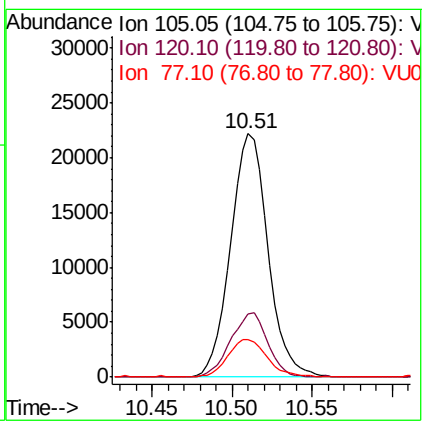


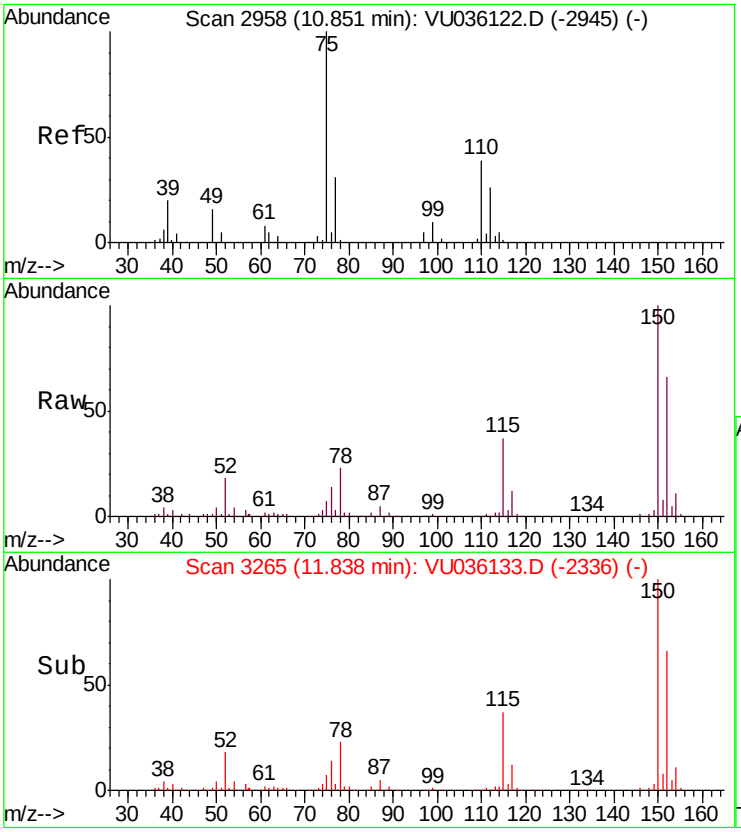


#56
Isopropylbenzene
Concen: 0.361 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion:105 Resp: 35207

Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.4	32.2
77	16.2	12.3	18.5



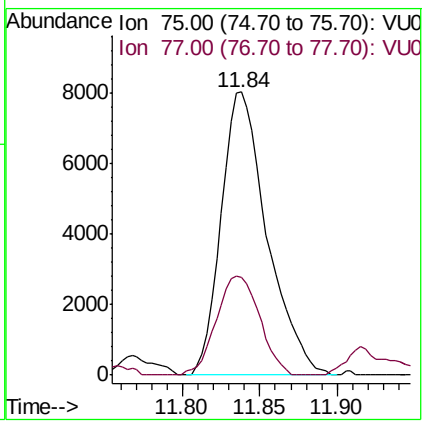


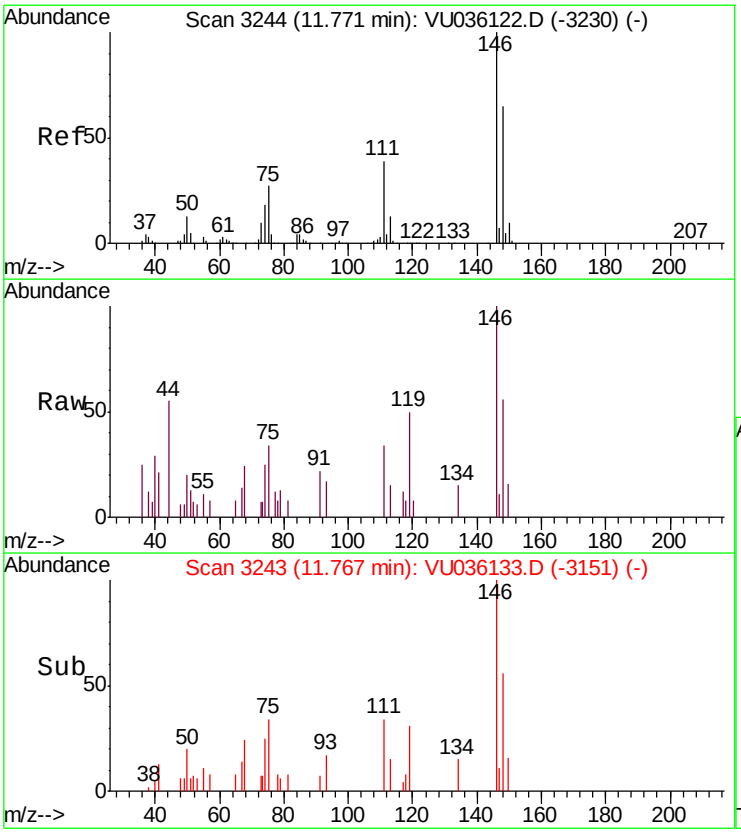
#59
1,2,3-Trichloropropane
Concen: 1.049 ug/L
RT: 11.84 min Scan# 3265
Delta R.T. 0.99 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument : MSVOA_U
ClientSampleId : BFQX1

Tgt Ion: 75 Resp: 16561

Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.7	40.1#

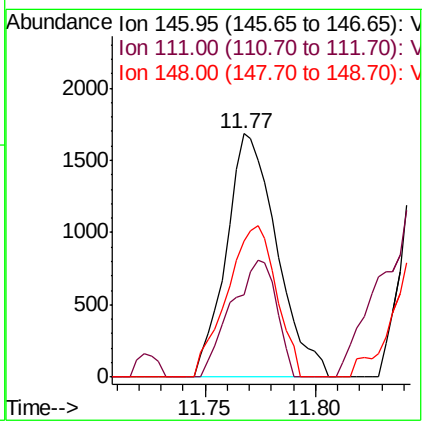


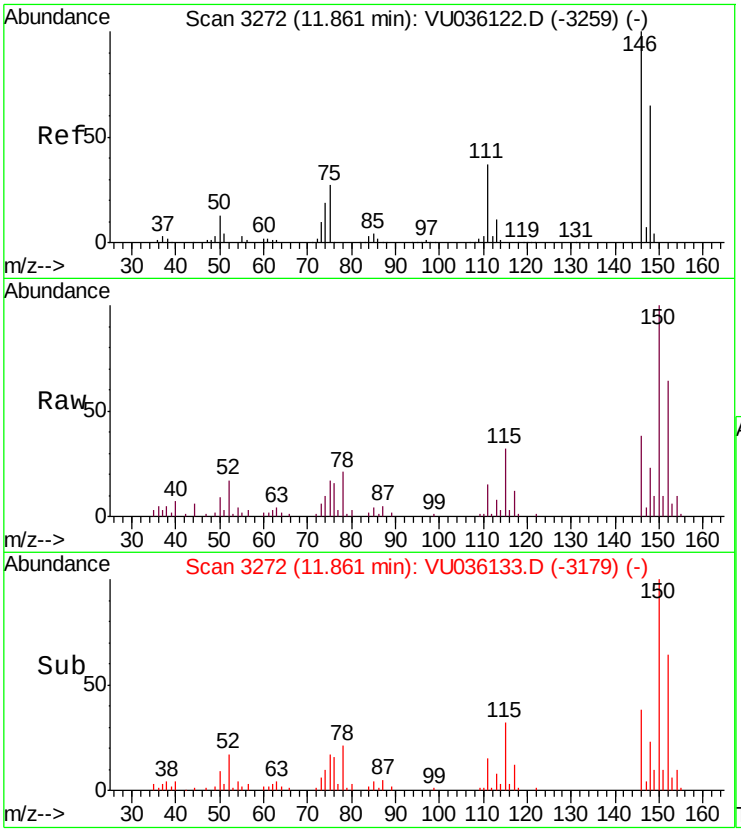


#62
1,3-Dichlorobenzene
Concen: 0.066 ug/L
RT: 11.77 min Scan# 3243
Delta R.T. -0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion:146 Resp: 2682

Ion	Ratio	Lower	Upper
146	100		
111	34.0	26.0	48.2
148	55.9	43.7	81.1



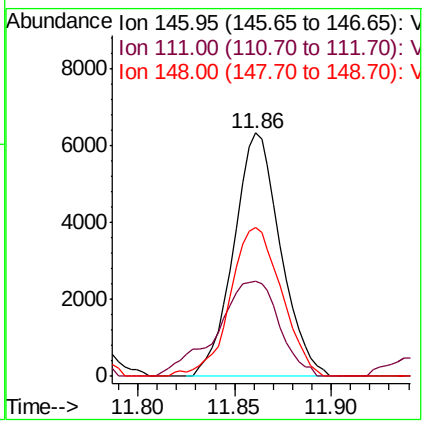


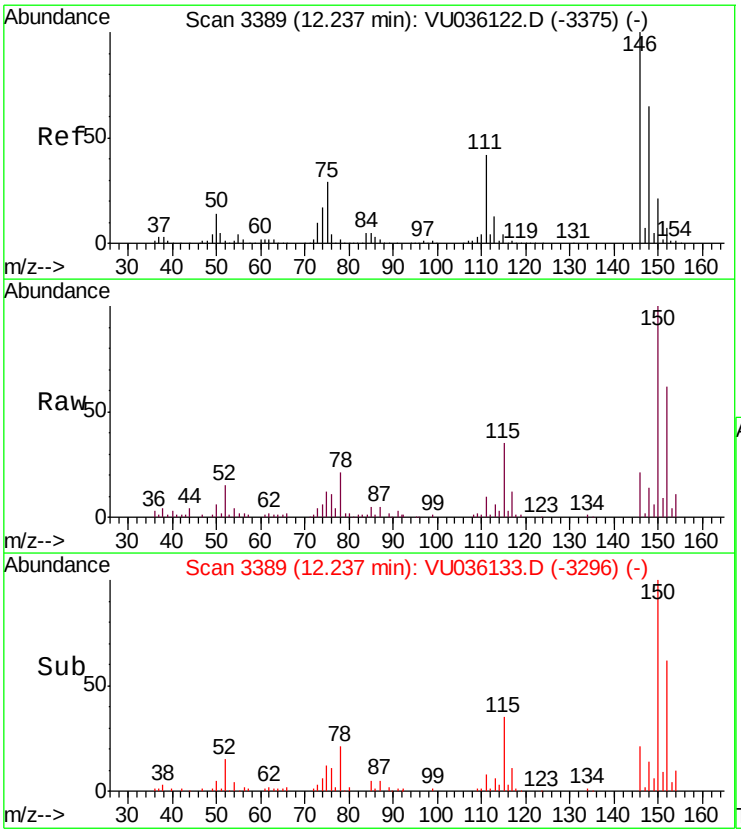
#63
1,4-Dichlorobenzene
Concen: 0.266 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
BFQX1

Tgt Ion:146 Resp: 10644

Ion	Ratio	Lower	Upper
146	100		
111	38.9	26.2	48.6
148	61.2	44.9	83.5

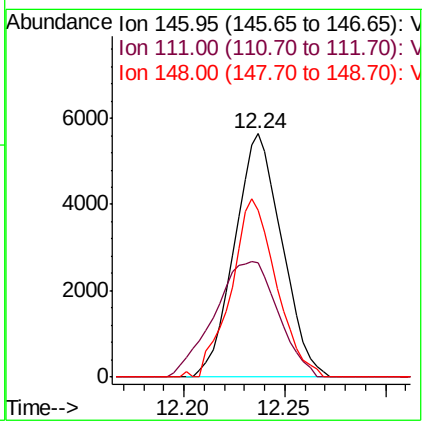


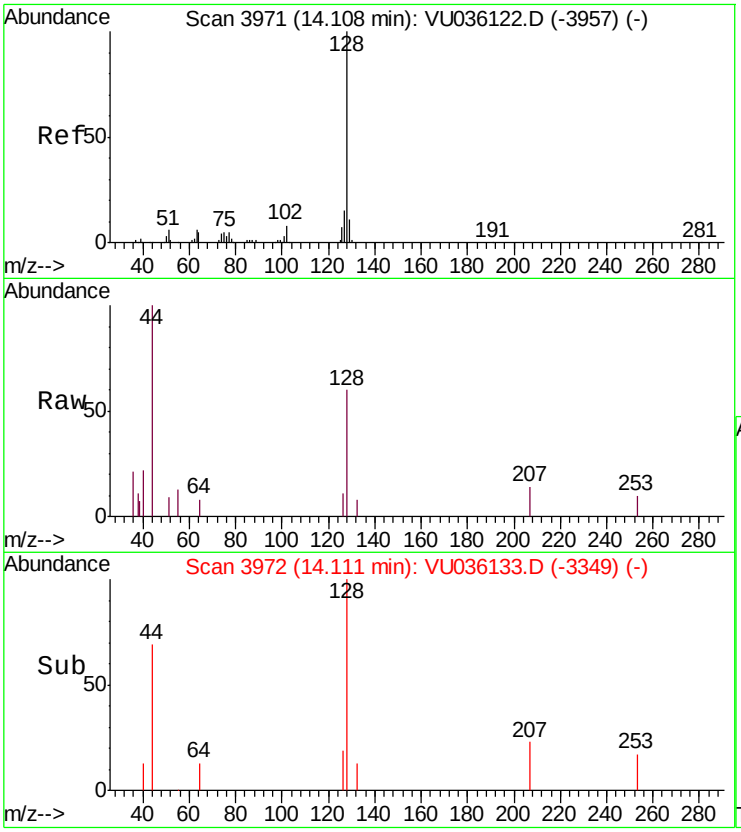


#65
1,2-Dichlorobenzene
Concen: 0.231 ug/L
RT: 12.24 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Tgt Ion:146 Resp: 9255

Ion	Ratio	Lower	Upper
146	100		
111	46.7	31.3	46.9
148	68.3	50.5	75.7





#69
Naphthalene
Concen: 0.110 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VU036133.D
Acq: 11 Dec 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
BFQX1

Tgt Ion:128 Resp: 1551

Ion	Ratio	Lower	Upper
128	100		
129	5.4	9.2	13.8#
127	5.5	11.1	16.7#