Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121219\

Quantitation Report (Not Reviewed)

Data File : VU036183.D
Acq On : 13 Dec 2019 05:41
Operator : JC/MD
Sample : K6240-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW2

Quant Time: Dec 13 08:02:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 04:38:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	254004	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	281275	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	116896	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	106757	4.15	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 83.00%			
7) Chloroethane-d5	1.93	69	104939	4.64	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 92.80%			
11) 1,1-Dichloroethene-d2	2.59	63	111625	3.29	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 65.80%			
20) 2-Butanone-d5	4.70	46	220060	53.21	ug/L	0.01
Spiked Amount 50.000	Range 40 - 130		Recovery = 106.42%			
24) Chloroform-d	5.11	84	178383	4.77	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.40%			
26) 1,2-Dichloroethane-d4	5.75	65	91300	4.82	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.40%			
32) Benzene-d6	5.77	84	329672	4.39	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 87.80%			
36) 1,2-Dichloropropane-d6	6.73	67	107825	4.61	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 92.20%			
41) Toluene-d8	7.93	98	260963	3.76	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 75.20%			
43) trans-1,3-Dichloropropene-	8.21	79	35232	3.60	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 72.00%			
46) 2-Hexanone-d5	8.68	63	164072	45.63	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 91.26%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	96385	4.62	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.40%			
64) 1,2-Dichlorobenzene-d4	12.21	152	110587	4.98	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.60%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	81648	2.407	ug/L	97
8) Chloroethane	1.95	64	34087	1.632	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3147	0.154	ug/L #	56
12) 1,1-Dichloroethene	2.61	96	2424	0.127	ug/L #	1
13) Acetone	2.68	43	82030	22.801	ug/L	99
15) Methyl Acetate	2.99	43	1228	0.160	ug/L #	32
16) Methylene chloride	3.09	84	7336	0.274	ug/L	94
19) 1,1-Dichloroethane	3.92	63	162686	4.454	ug/L	99
21) 2-Butanone	4.78	43	9586	1.999	ug/L	88
22) cis-1,2-Dichloroethene	4.72	96	116448	5.697	ug/L	95
25) Chloroform	5.13	83	8960	0.232	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	62423	1.810	ug/L	98
31) Carbon tetrachloride	5.36	117	8921	0.289	ug/L	96
33) Benzene	5.82	78	105475	1.219	ug/L	100
34) Trichloroethene	6.58	95	10176	0.460	ug/L	93
35) Methylcyclohexane	6.73	83	25369	0.804	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	11284	0.506	ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121219\

Quantitation Report (Not Reviewed)

Data File : VU036183.D
Acq On : 13 Dec 2019 05:41
Operator : JC/MD
Sample : K6240-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW2

Quant Time: Dec 13 08:02:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 04:38:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) cis-1,3-Dichloropropene	7.61	75	2290	0.078	ug/L	#	30
42) Toluene	8.00	91	45592	0.498	ug/L		96
48) 2-Hexanone	8.73	43	8889	1.076	ug/L	#	89
51) Chlorobenzene	9.48	112	10079	0.169	ug/L		90
52) Ethylbenzene	9.60	91	9226	0.103	ug/L		96
53) m,p-Xylene	9.72	106	10039	0.287	ug/L		82
54) o-Xylene	10.13	106	6932	0.207	ug/L		98
59) 1,2,3-Trichloropropane	11.83	75	14773	1.004	ug/L		99
63) 1,4-Dichlorobenzene	11.86	146	5826	0.155	ug/L		97
65) 1,2-Dichlorobenzene	12.24	146	7382	0.200	ug/L	#	84
68) 1,2,4-trichlorobenzene	13.86	180	1400	0.107	ug/L	#	90
69) Naphthalene	14.11	128	5386	0.400	ug/L	#	95

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

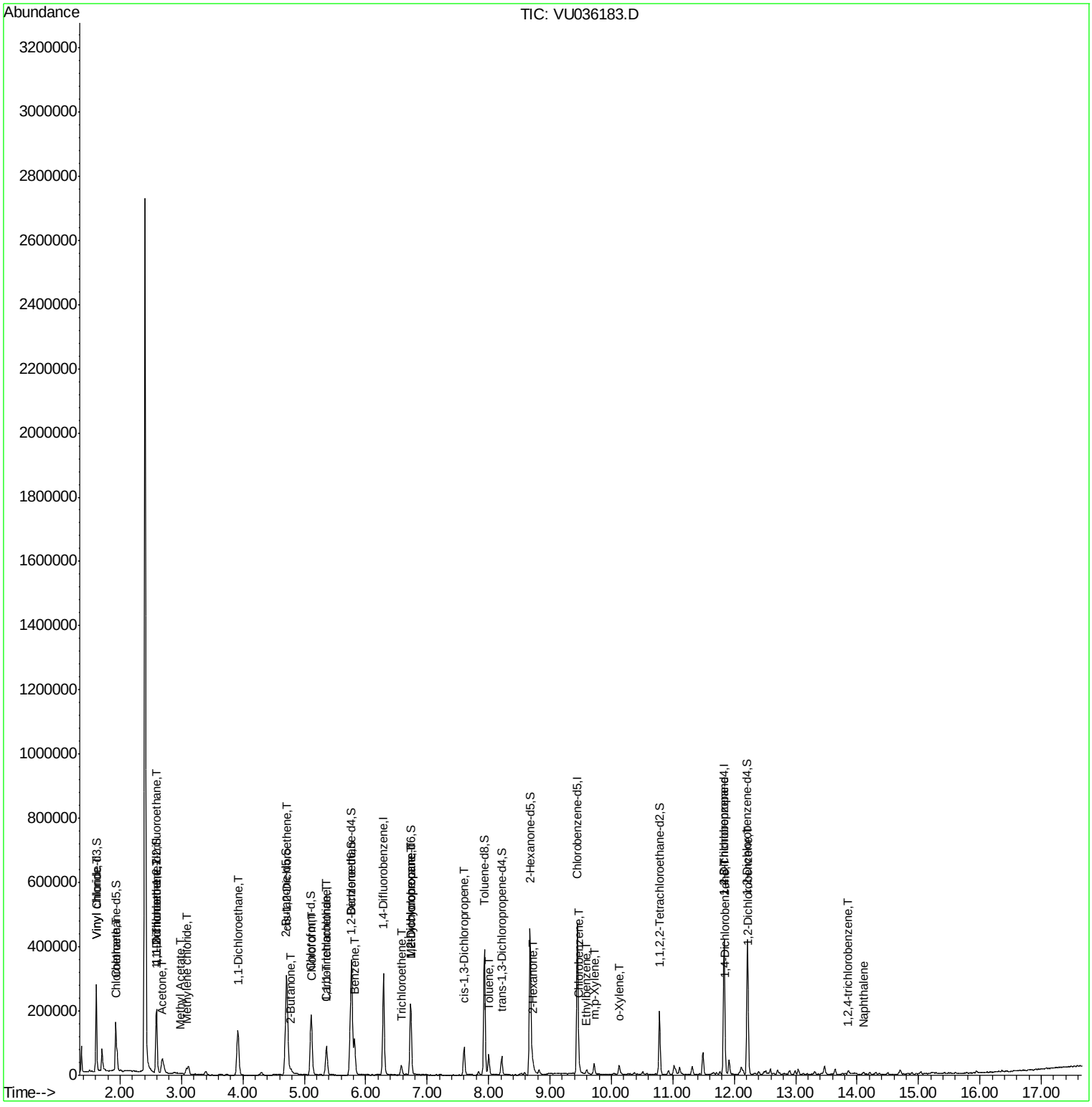
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121219\

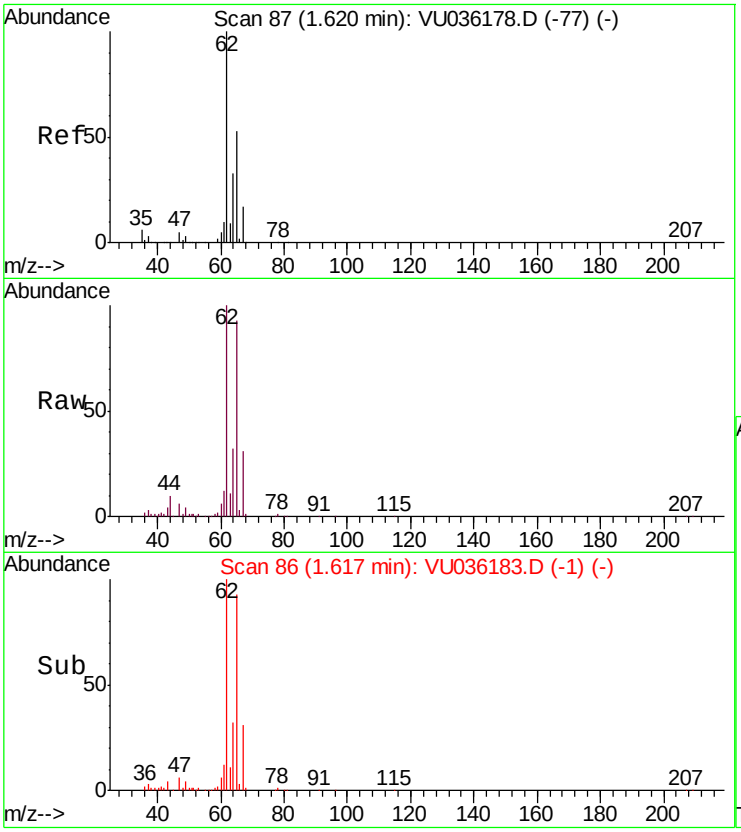
Quantitation Report (Not Reviewed)

Data File : VU036183.D
Acq On : 13 Dec 2019 05:41
Operator : JC/MD
Sample : K6240-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW2

Quant Time: Dec 13 08:02:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 04:38:02 2019
Response via : Initial Calibration



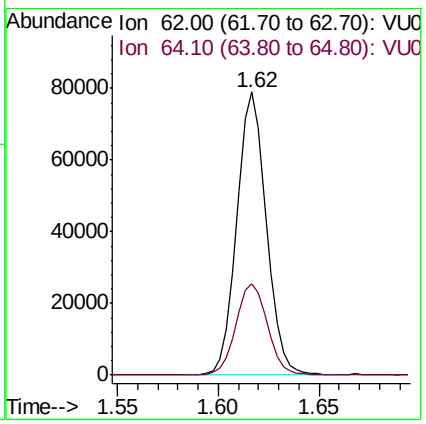


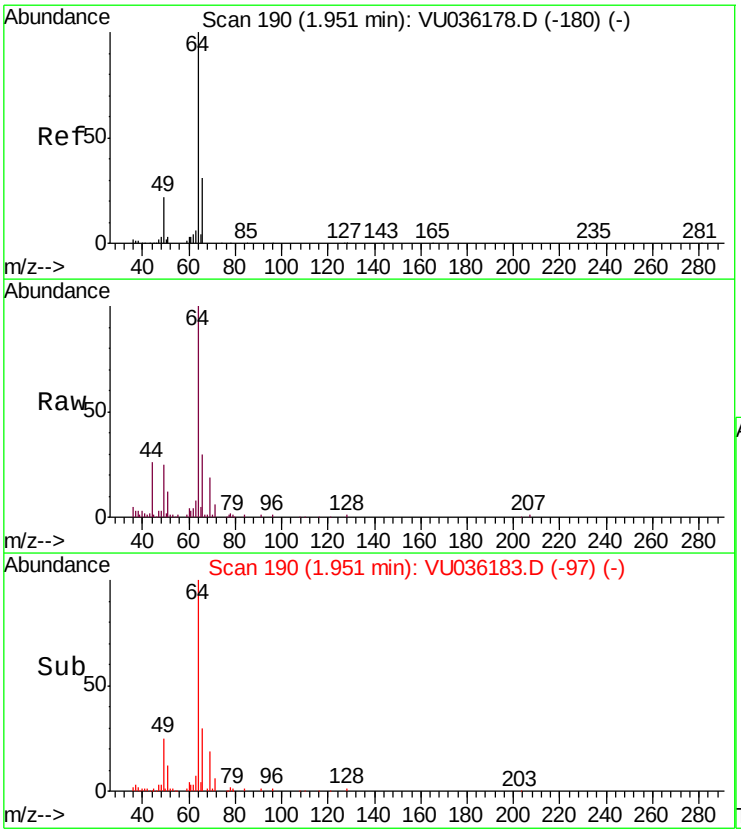
#5
Vinyl chloride
Concen: 2.407 ug/L
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion: 62 Resp: 81648

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.0	44.6

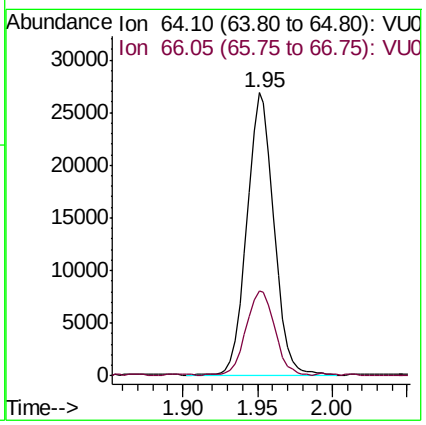


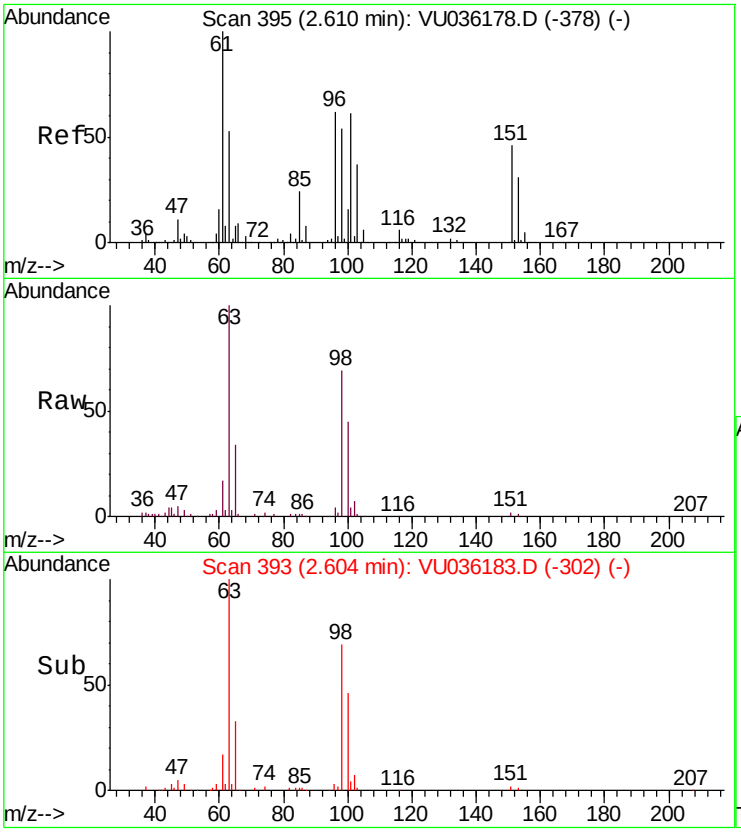


#8
Chloroethane
Concen: 1.632 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 64 Resp: 34087

Ion	Ratio	Lower	Upper
64	100		
66	30.2	22.0	41.0



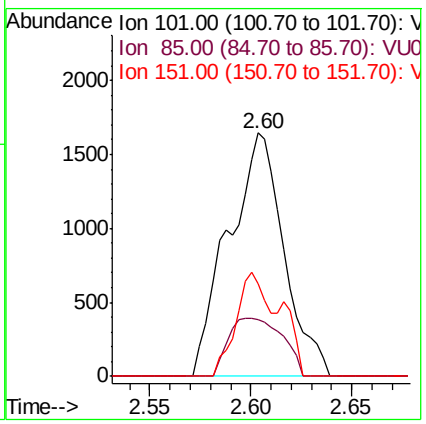


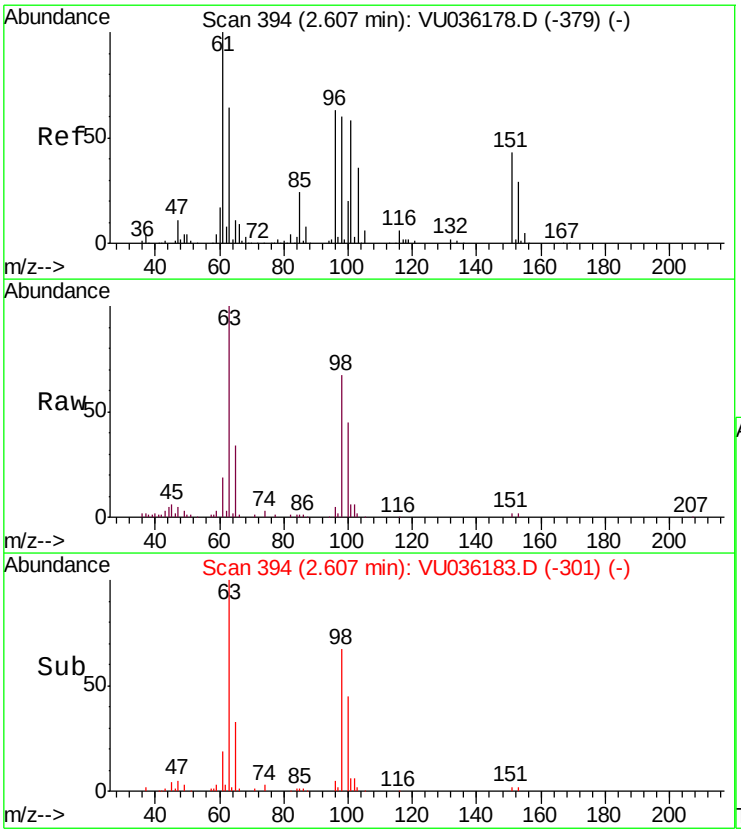
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.154 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion:101 Resp: 3147

Ion	Ratio	Lower	Upper
101	100		
85	23.6	34.2	51.4#
151	34.0	63.4	95.0#

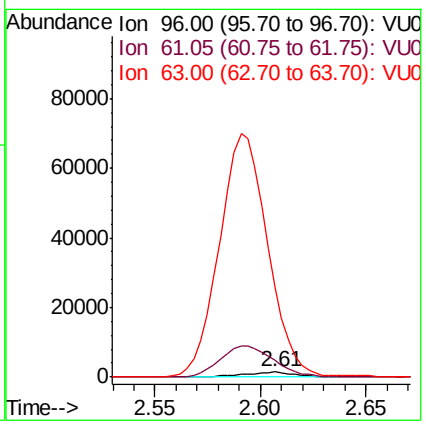


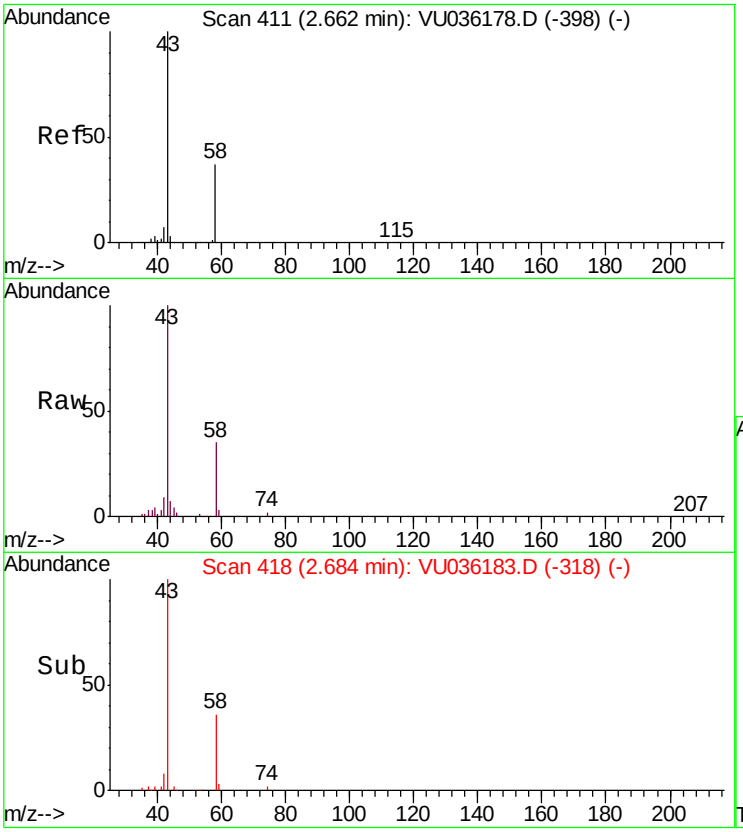


#12
1,1-Dichloroethene
Concen: 0.127 ug/L
RT: 2.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 96 Resp: 2424

Ion	Ratio	Lower	Upper
96	100		
61	349.2	110.6	205.4#
63	1853.3	71.6	133.0#



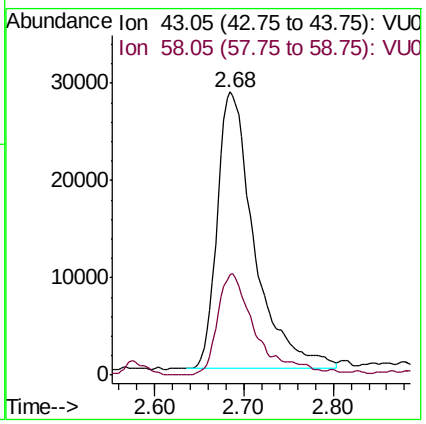


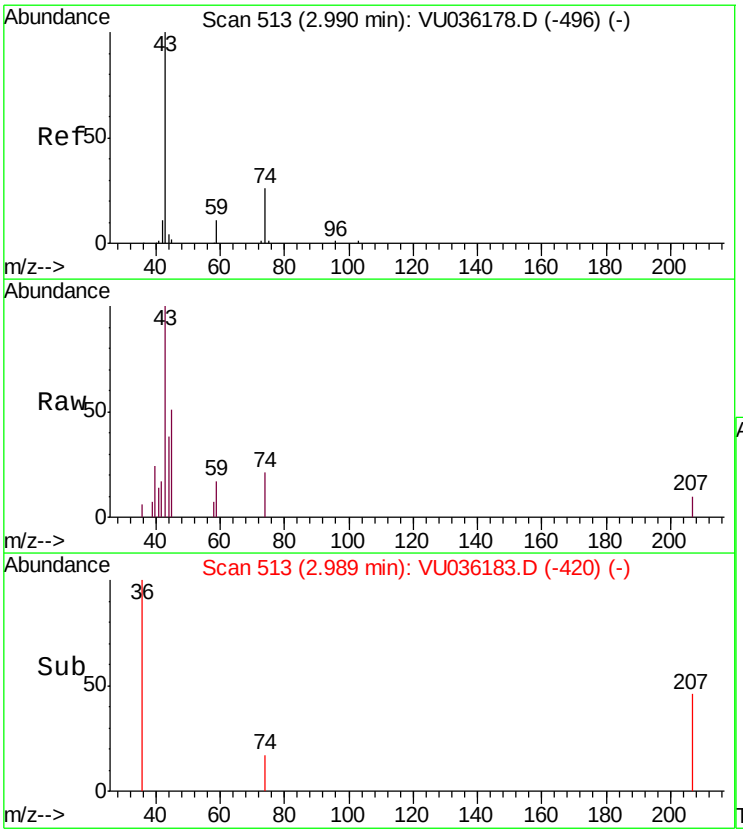
#13
Acetone
Concen: 22.801 ug/L
RT: 2.68 min Scan# 418
Delta R.T. 0.02 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion: 43 Resp: 82030

Ion	Ratio	Lower	Upper
43	100		
58	34.6	0.0	70.0

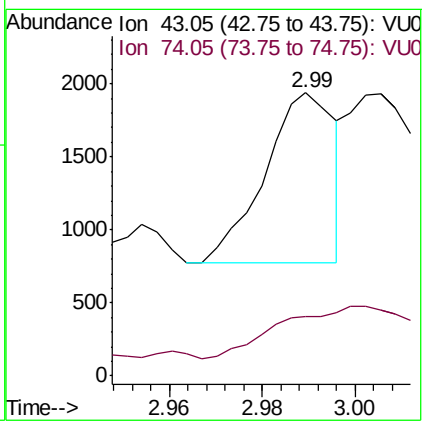


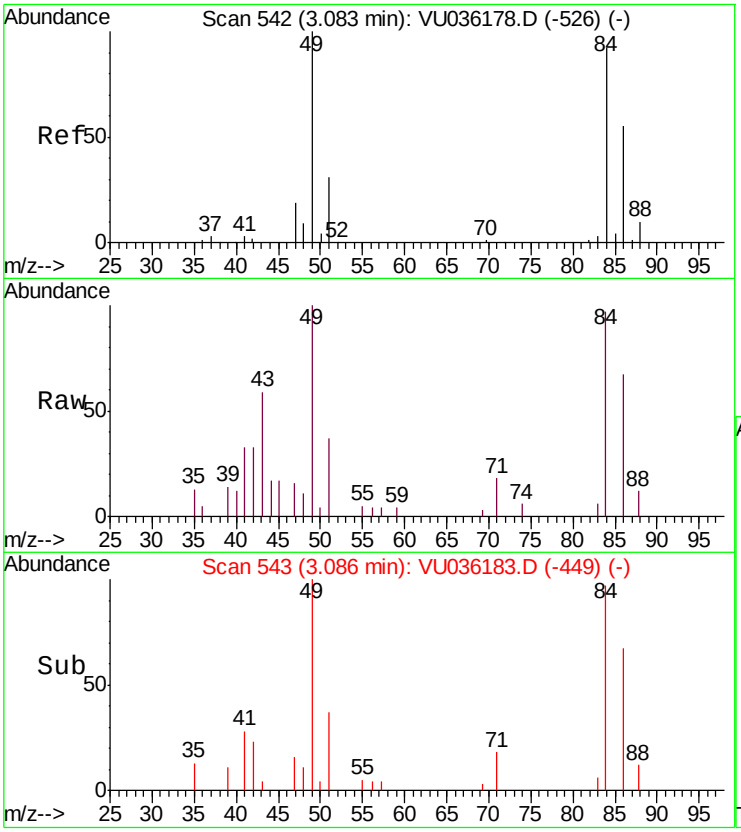


#15
Methyl Acetate
Concen: 0.160 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 43 Resp: 1228

Ion	Ratio	Lower	Upper
43	100		
74	60.0	20.6	30.8#



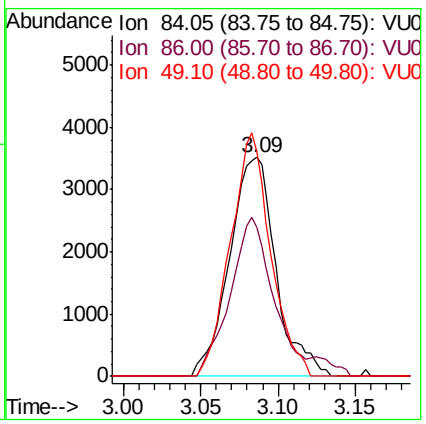


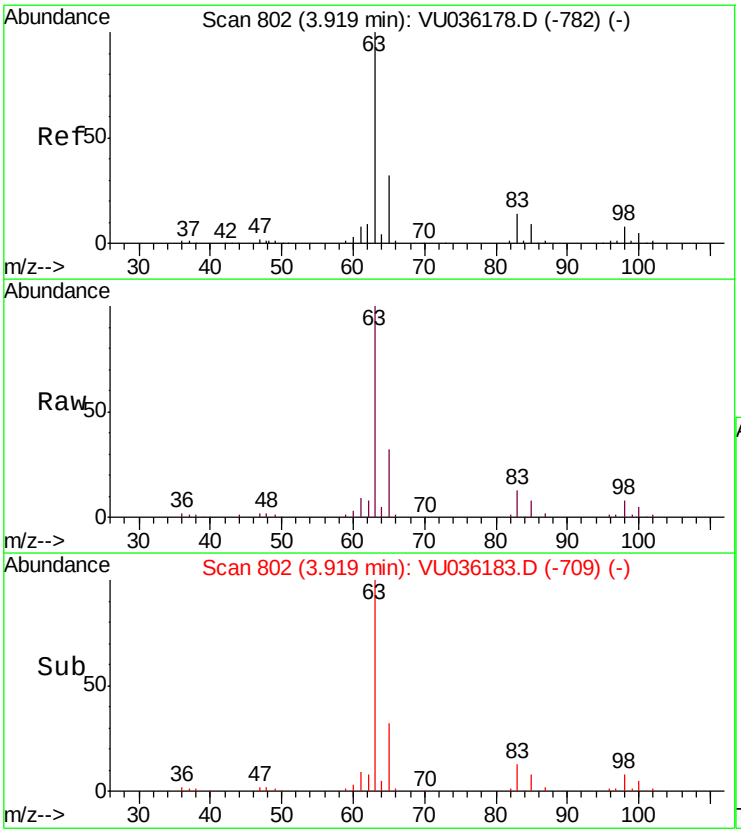
#16
Methylene chloride
Concen: 0.274 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion: 84 Resp: 7336

Ion	Ratio	Lower	Upper
84	100		
86	68.3	46.1	85.5
49	102.7	77.7	144.3

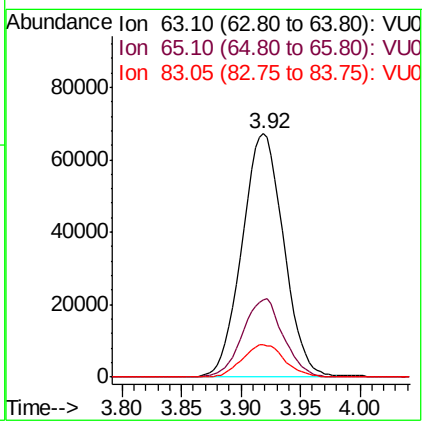


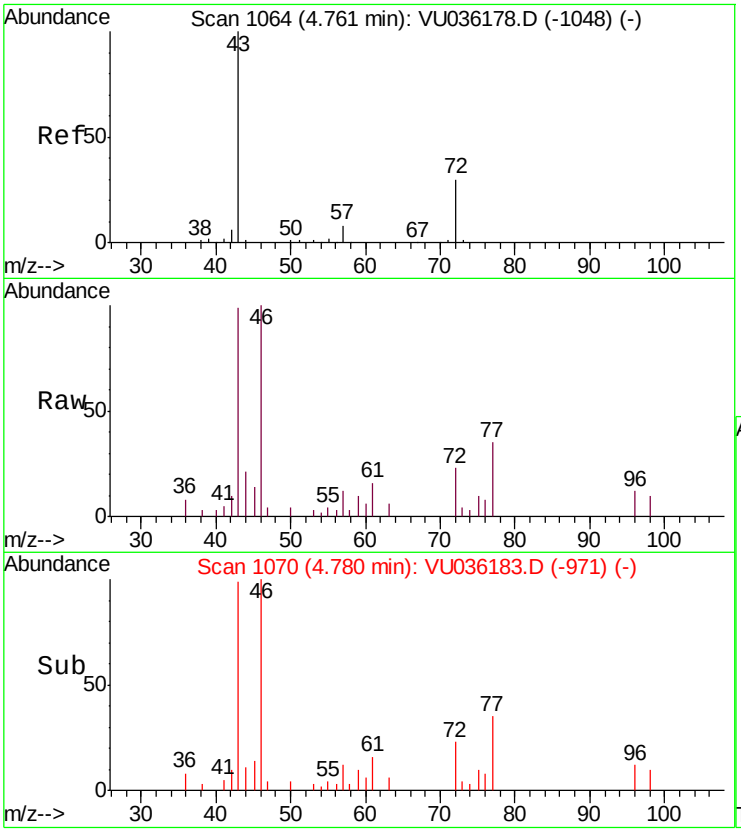


#19
1,1-Dichloroethane
Concen: 4.454 ug/L
RT: 3.92 min Scan# 802
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 63 Resp: 162686

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.2	41.2
83	13.2	9.8	18.2



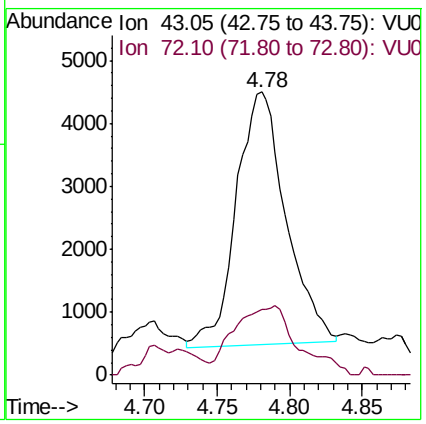


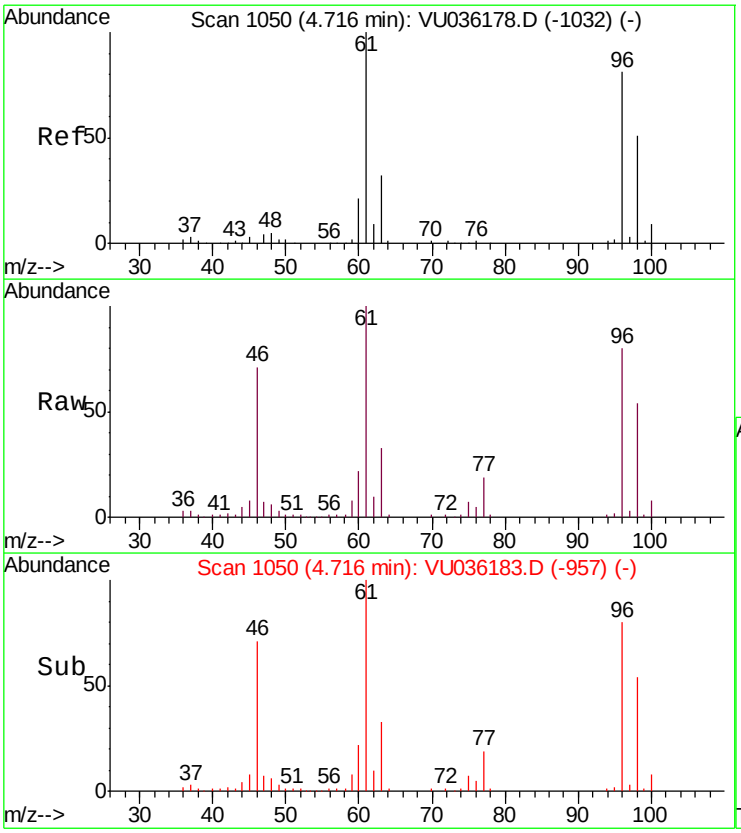
#21
2-Butanone
Concen: 1.999 ug/L
RT: 4.78 min Scan# 1070
Delta R.T. 0.02 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion: 43 Resp: 9586

Ion	Ratio	Lower	Upper
43	100		
72	35.1	14.4	43.2

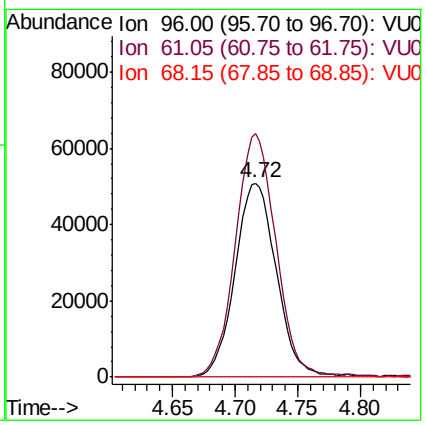


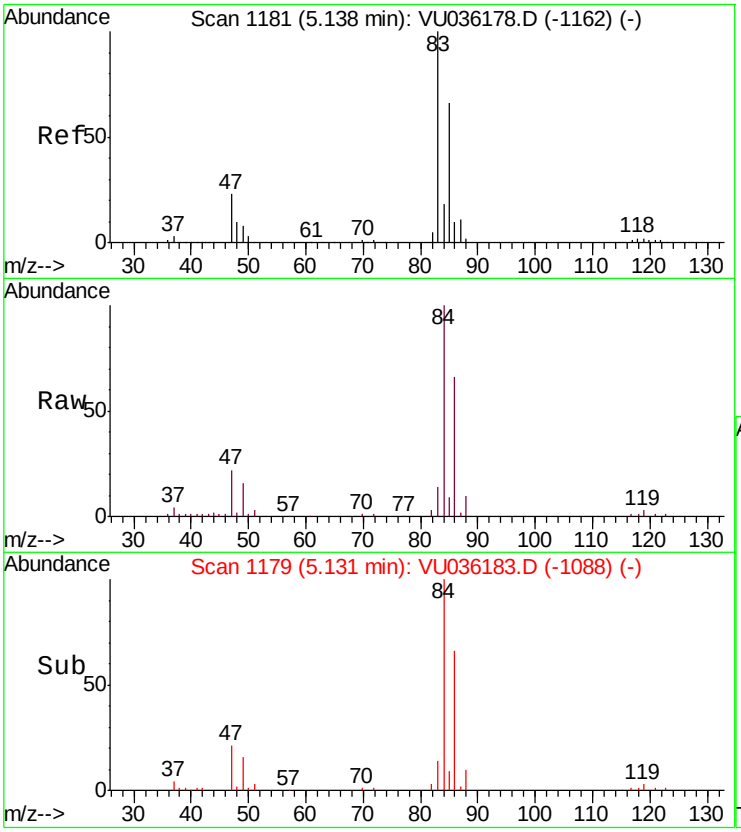


#22
cis-1,2-Dichloroethene
Concen: 5.697 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 96 Resp: 116448

Ion	Ratio	Lower	Upper
96	100		
61	125.3	83.8	155.6
68	0.0	0.0	0.0



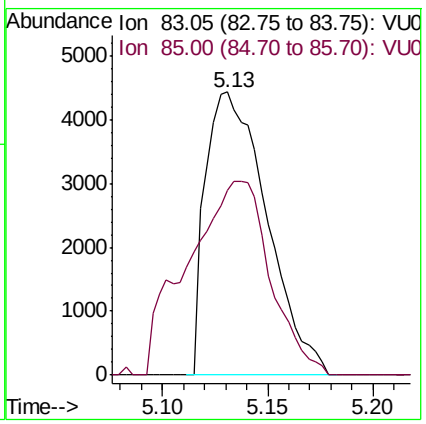


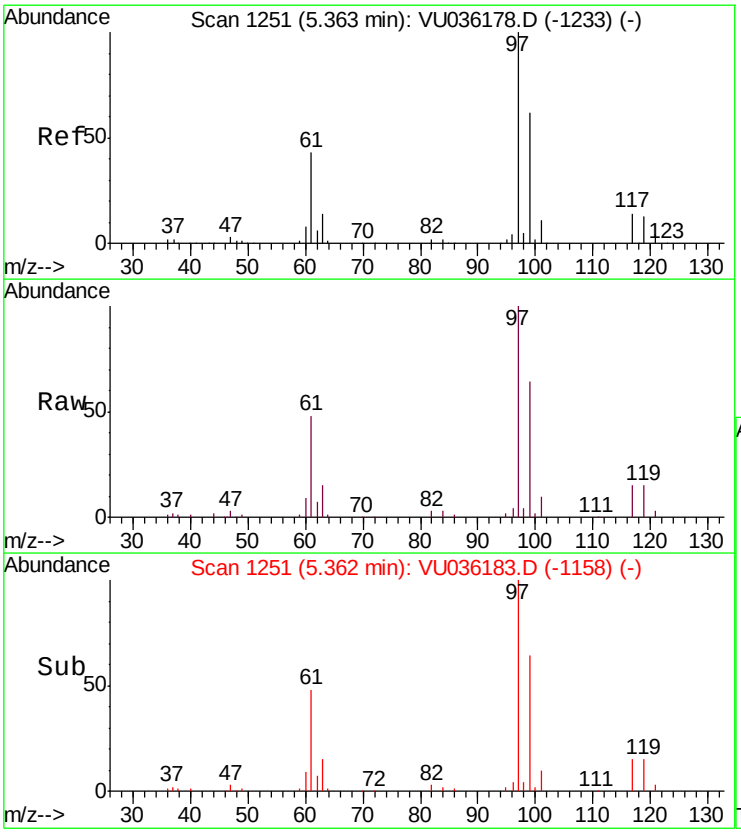
#25
Chloroform
Concen: 0.232 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion: 83 Resp: 8960

Ion	Ratio	Lower	Upper
83	100		
85	65.1	44.2	82.0

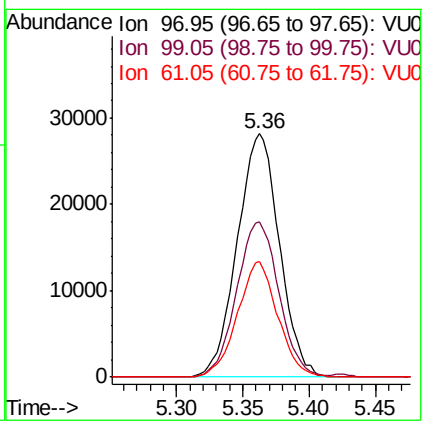


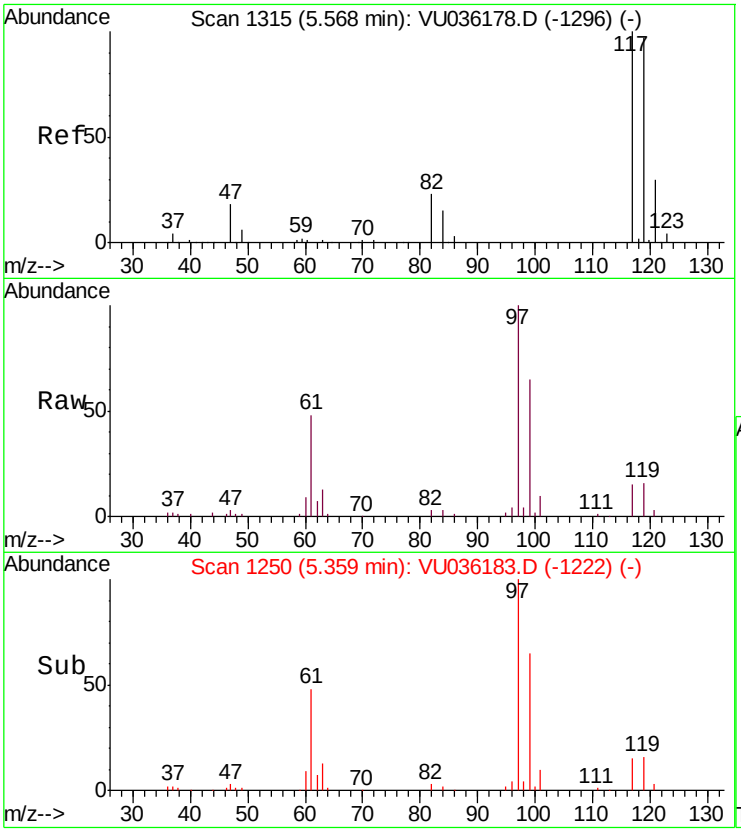


#29
1,1,1-Trichloroethane
Concen: 1.810 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 97 Resp: 62423

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.6	79.0
61	45.2	35.4	53.2



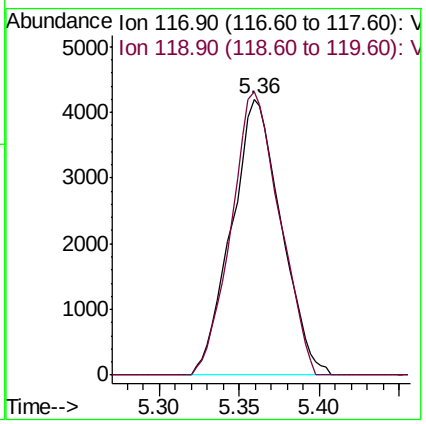


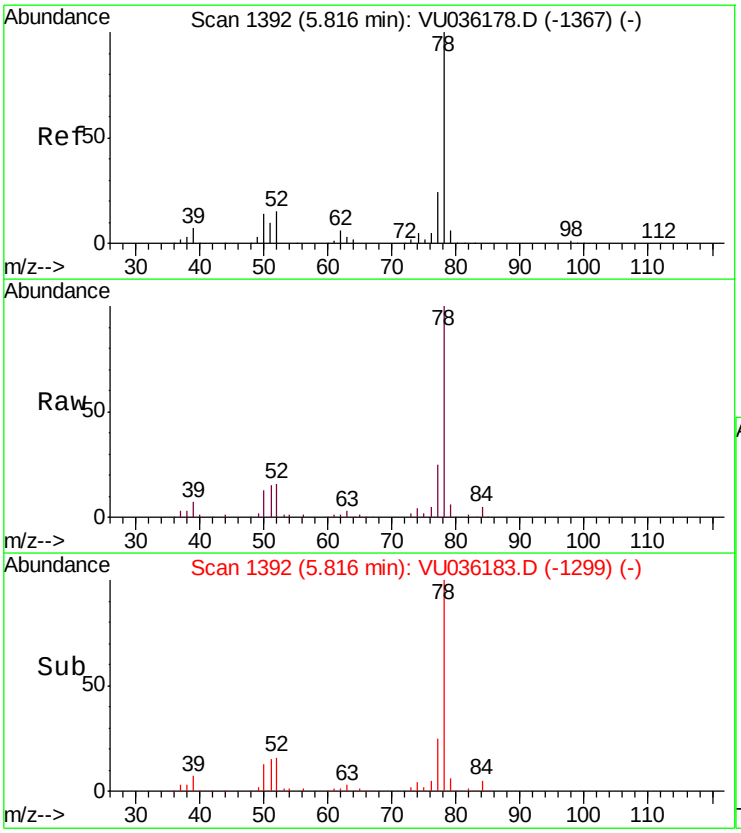
#31
Carbon tetrachloride
Concen: 0.289 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.21 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion:117 Resp: 8921

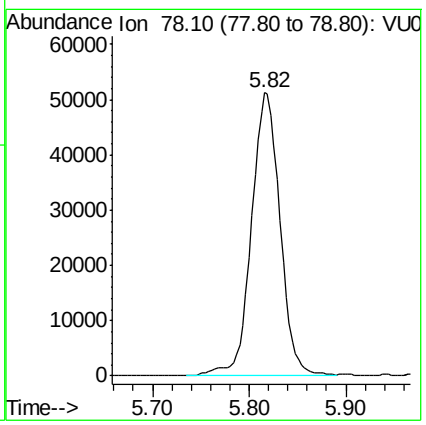
Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.6	114.8

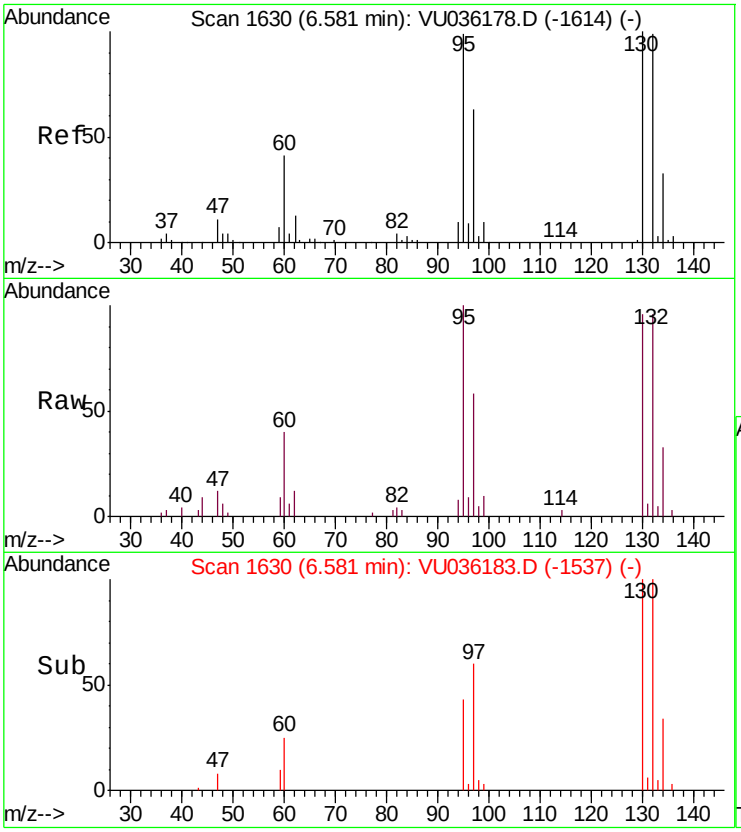




#33
Benzene
Concen: 1.219 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 78 Resp: 105475



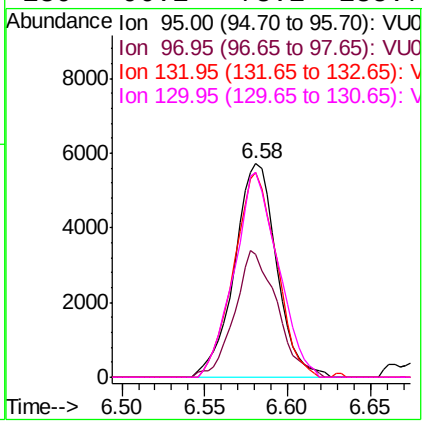


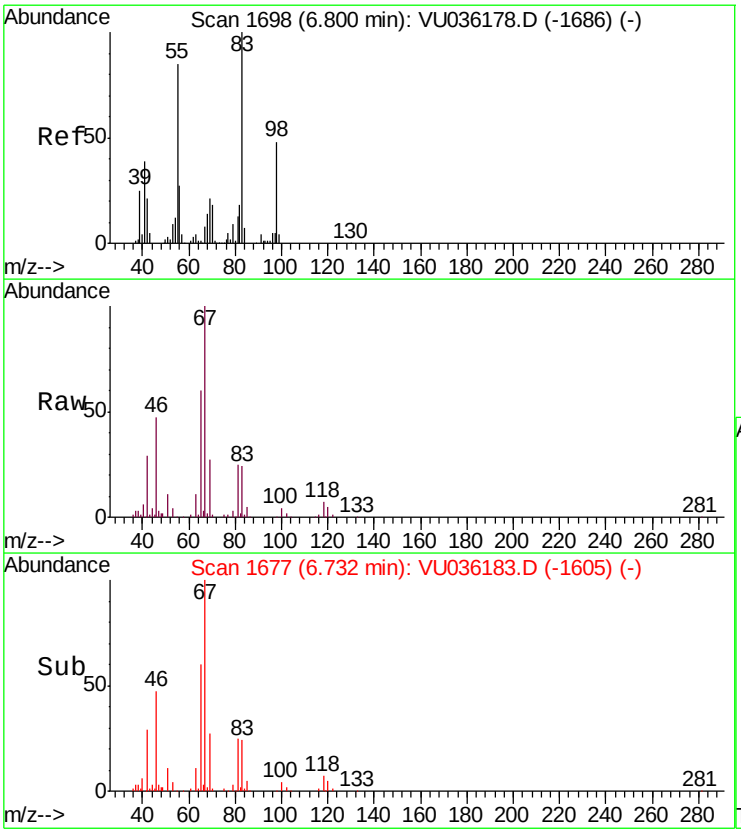
#34
Trichloroethene
Concen: 0.460 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion: 95 Resp: 10176

Ion	Ratio	Lower	Upper
95	100		
97	57.6	43.7	81.1
132	96.2	71.7	133.3
130	96.1	73.1	135.7

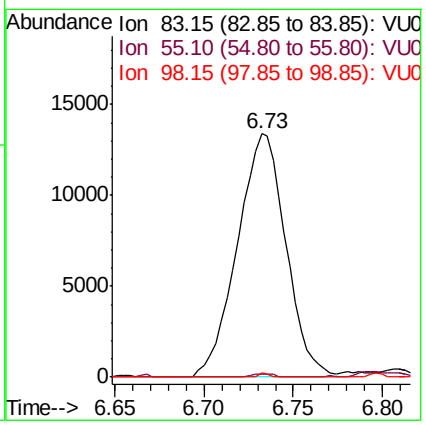


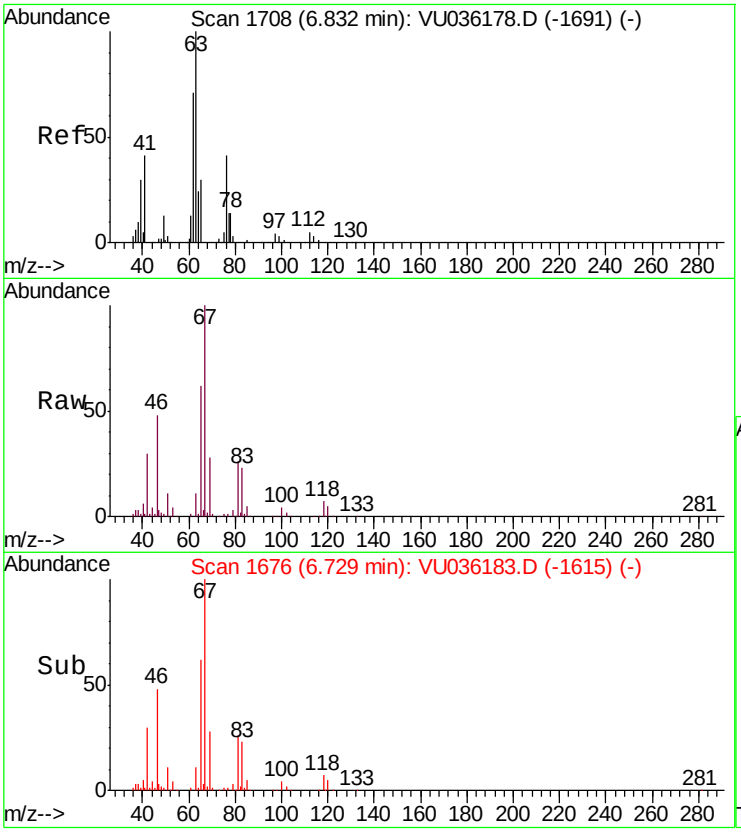


#35
Methylcyclohexane
Concen: 0.804 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 83 Resp: 25369

Ion	Ratio	Lower	Upper
83	100		
55	0.6	61.9	92.9#
98	0.3	35.8	53.6#



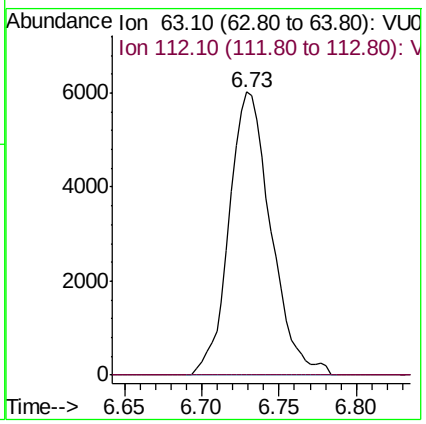


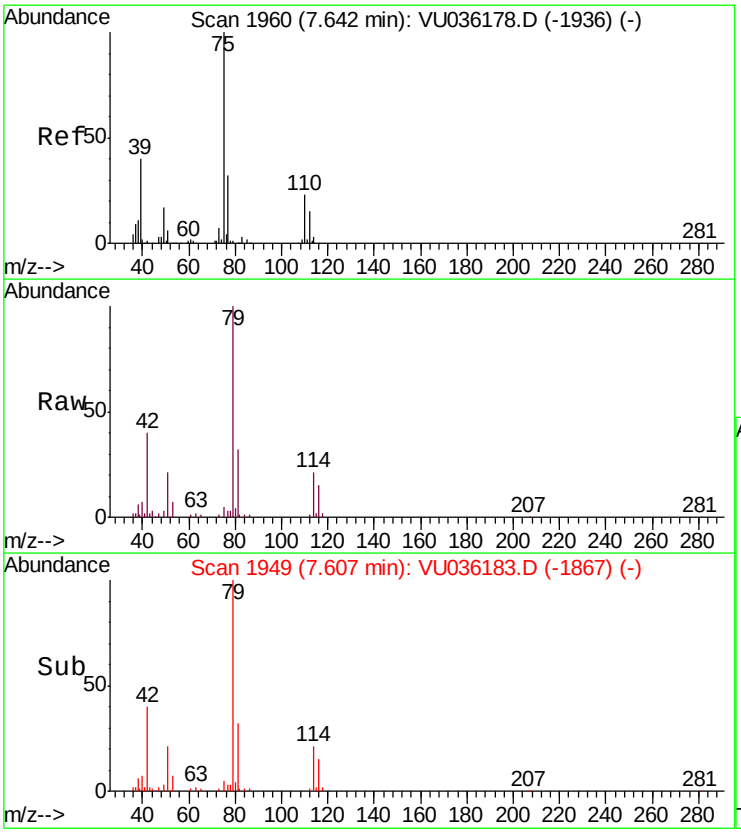
#37
1,2-Dichloropropane
Concen: 0.506 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.10 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument : MSVOA_U
ClientSampleId : BFQW2

Tgt Ion: 63 Resp: 11284

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#

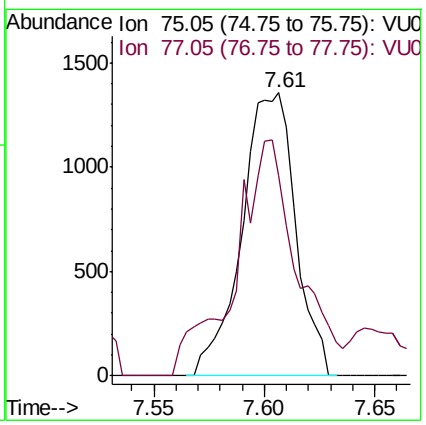


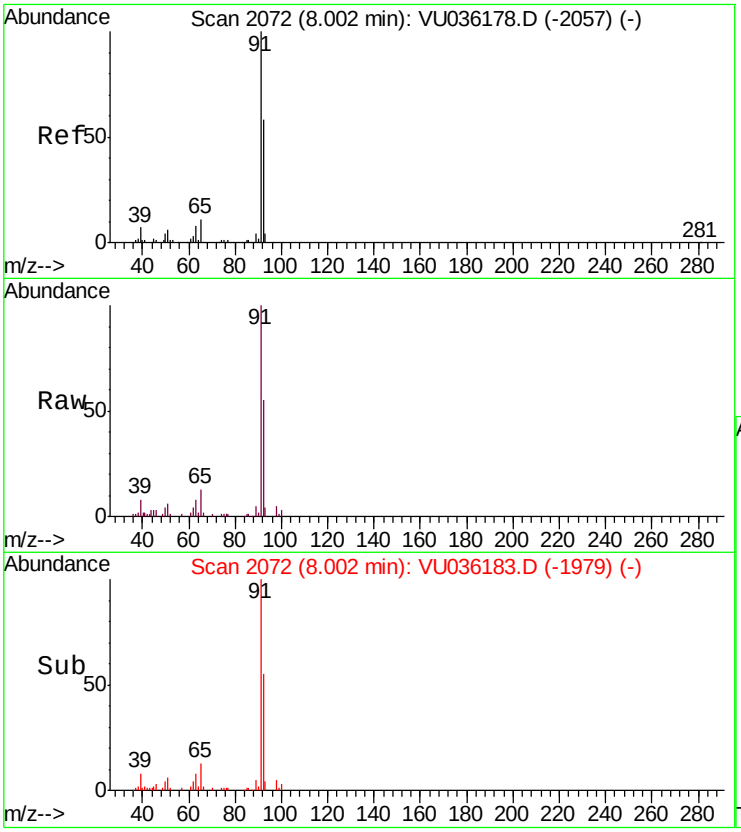


#39
cis-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.61 min Scan# 1949
Delta R.T. -0.04 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 75 Resp: 2290

Ion	Ratio	Lower	Upper
75	100		
77	70.6	22.3	41.5#



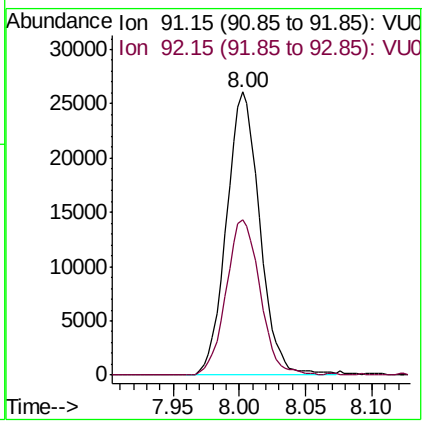


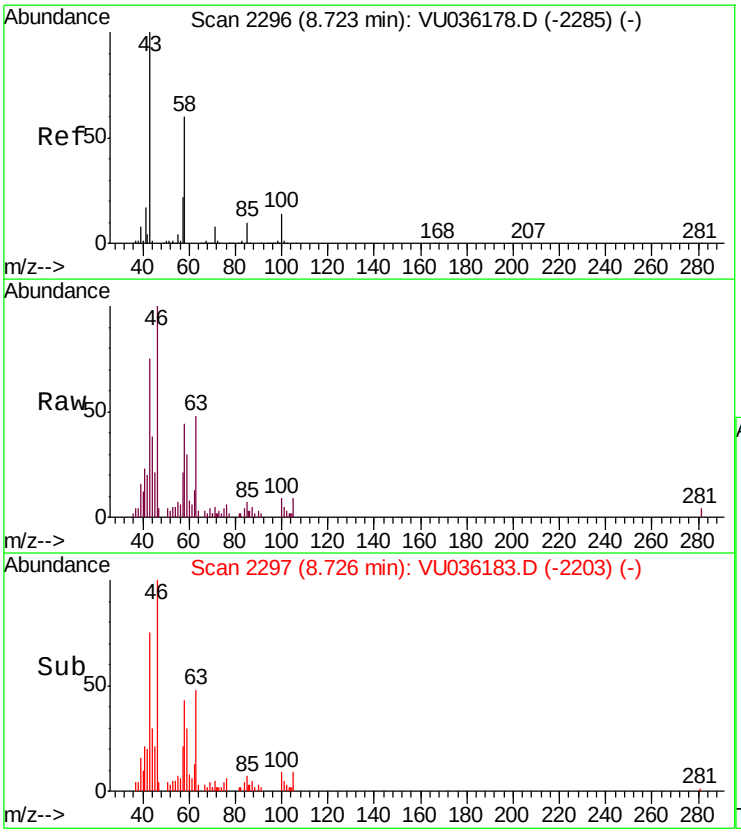
#42
Toluene
Concen: 0.498 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion: 91 Resp: 45592

Ion	Ratio	Lower	Upper
91	100		
92	54.9	40.7	75.7

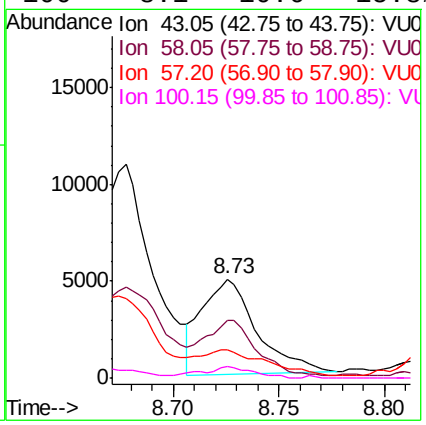


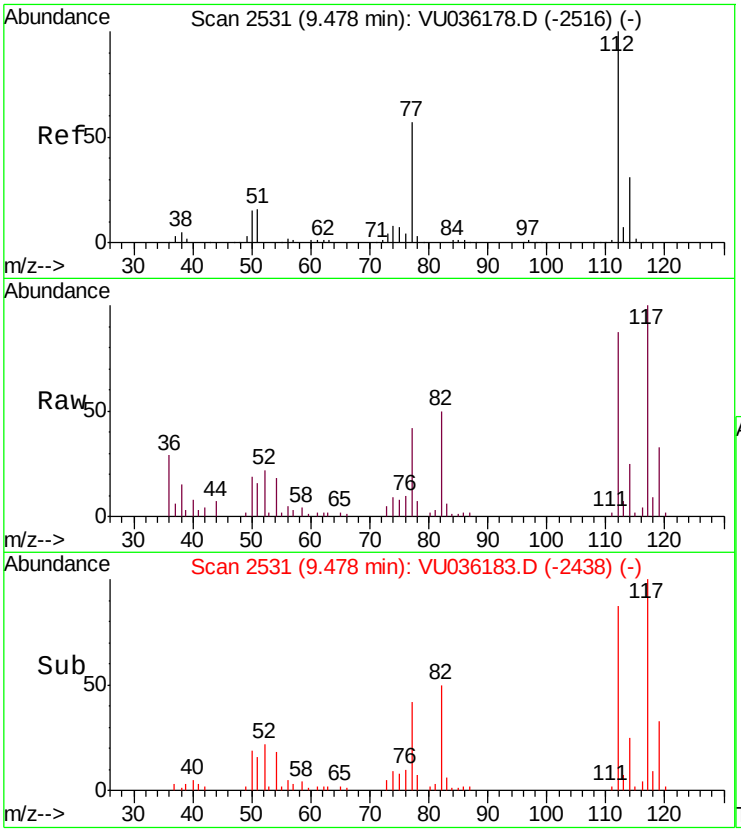


#48
2-Hexanone
Concen: 1.076 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 43 Resp: 8889

Ion	Ratio	Lower	Upper
43	100		
58	56.9	48.6	72.8
57	33.6	16.7	25.1#
100	8.1	10.6	15.8#



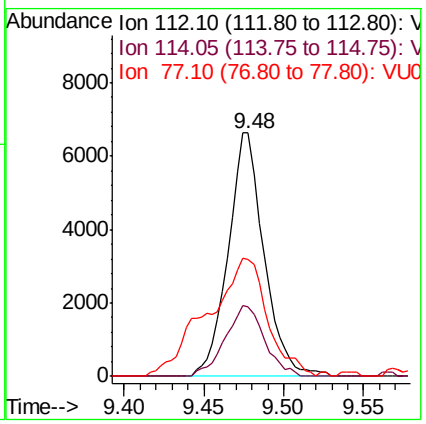


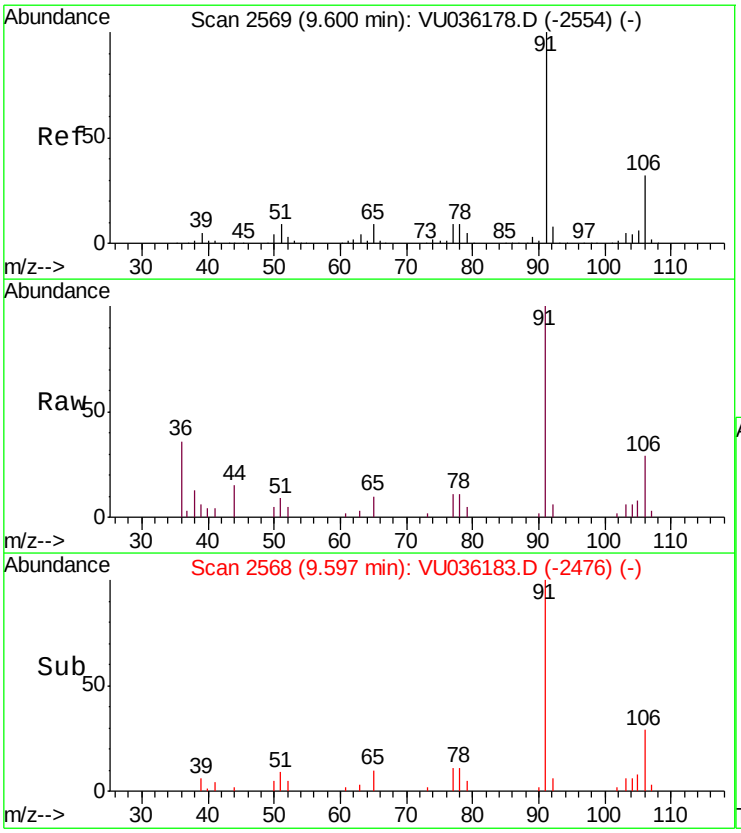
#51
Chlorobenzene
Concen: 0.169 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument : MSVOA_U
ClientSampleId : BFQW2

Tgt Ion:112 Resp: 10079

Ion	Ratio	Lower	Upper
112	100		
114	28.5	22.2	41.2
77	48.1	45.7	68.5

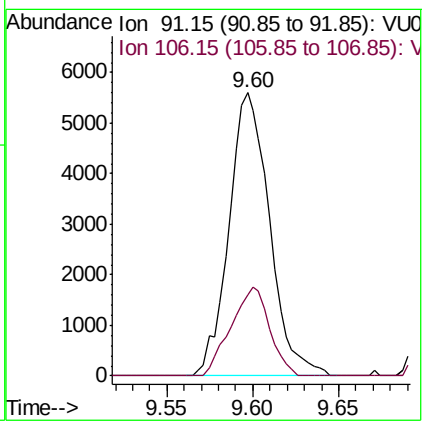


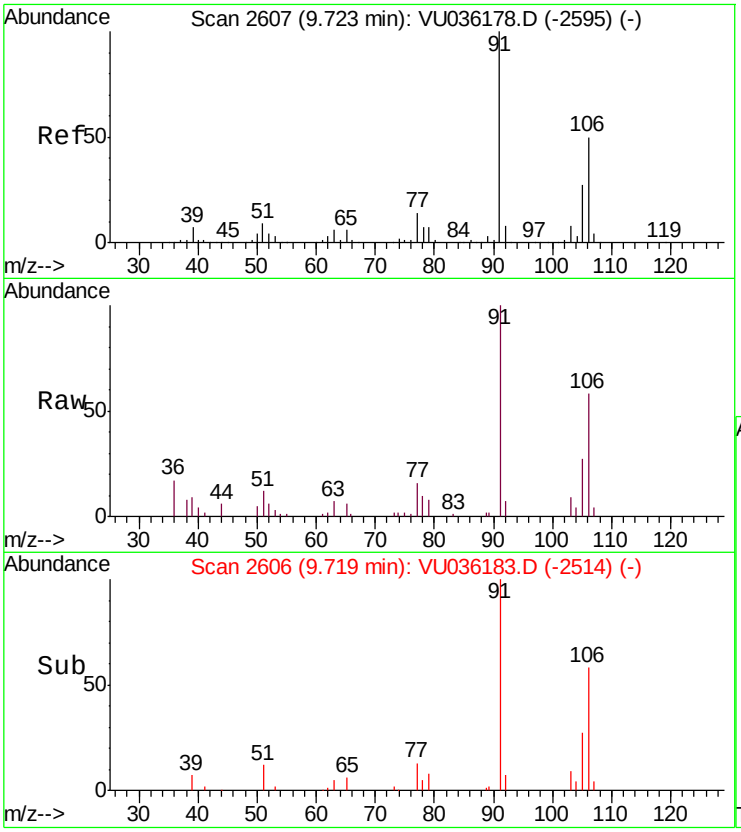


#52
Ethylbenzene
Concen: 0.103 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion: 91 Resp: 9226

Ion	Ratio	Lower	Upper
91	100		
106	28.7	21.6	40.2



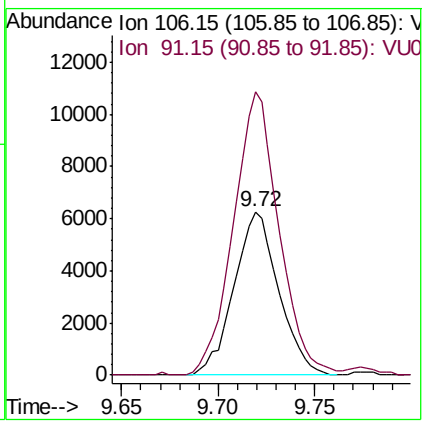


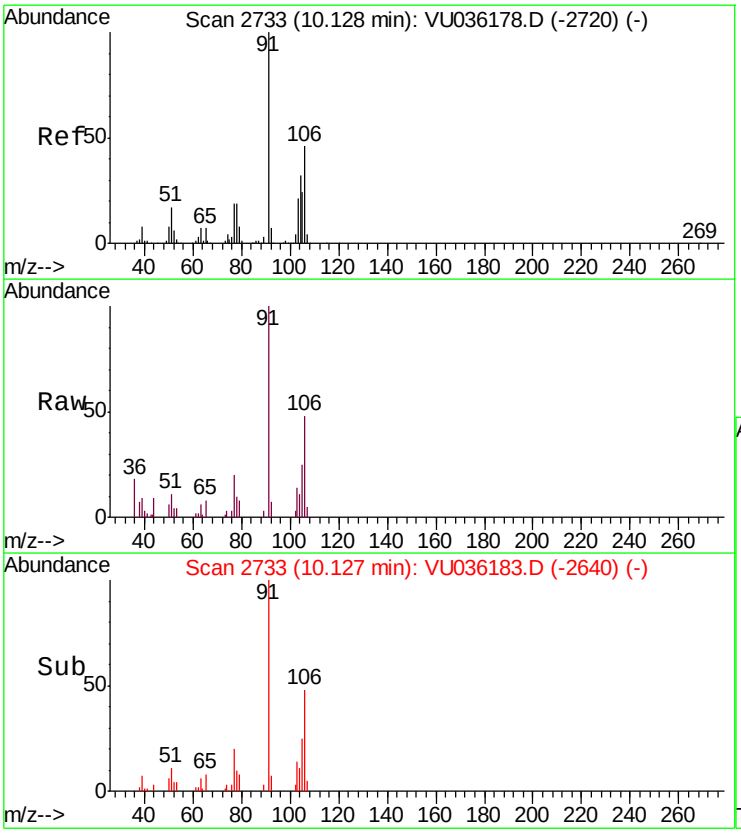
#53
m,p-Xylene
Concen: 0.287 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion:106 Resp: 10039

Ion	Ratio	Lower	Upper
106	100		
91	173.1	140.4	260.8

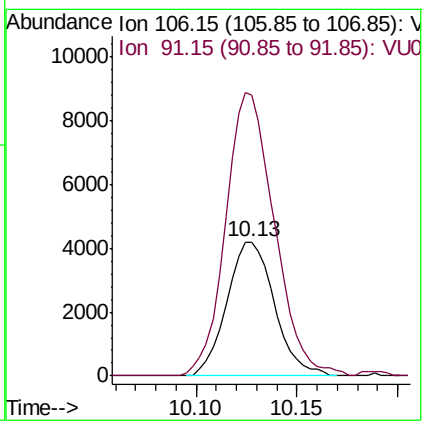


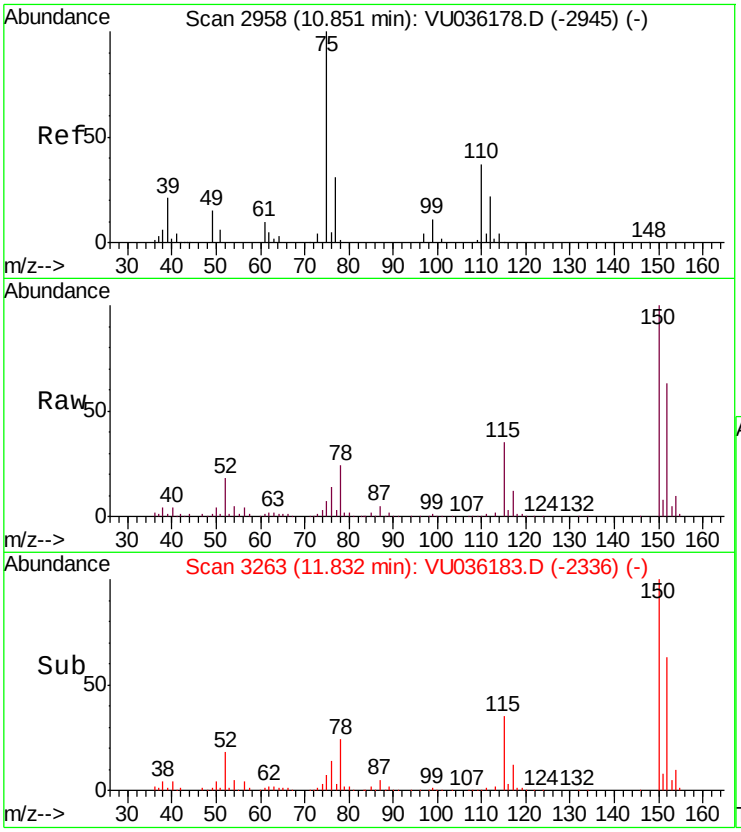


#54
o-Xylene
Concen: 0.207 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion:106 Resp: 6932

Ion	Ratio	Lower	Upper
106	100		
91	209.6	148.5	275.7



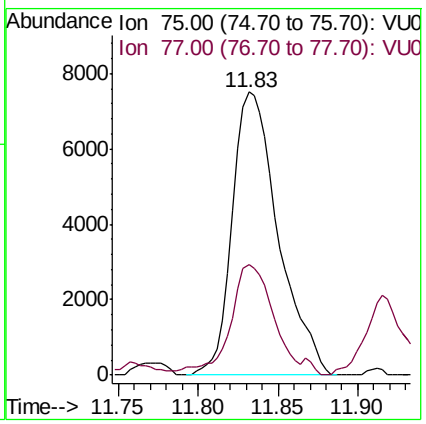


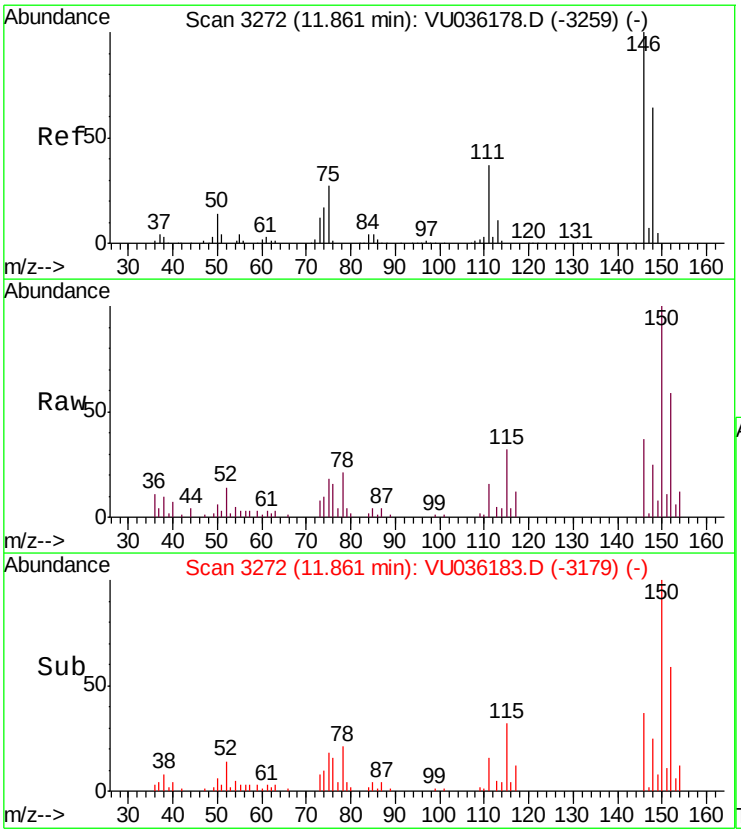
#59
1,2,3-Trichloropropane
Concen: 1.004 ug/L
RT: 11.83 min Scan# 3263
Delta R.T. 0.98 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion: 75 Resp: 14773

Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.6	39.8

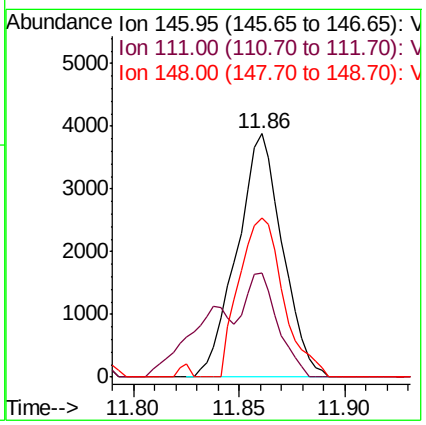


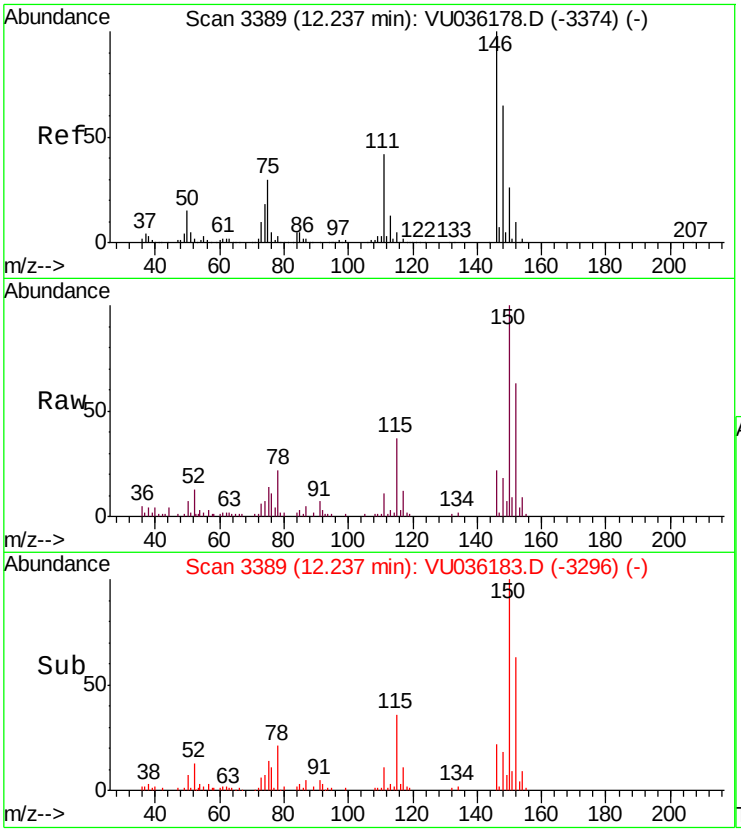


#63
1,4-Dichlorobenzene
Concen: 0.155 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion:146 Resp: 5826

Ion	Ratio	Lower	Upper
146	100		
111	42.7	27.5	51.1
148	65.5	45.4	84.2



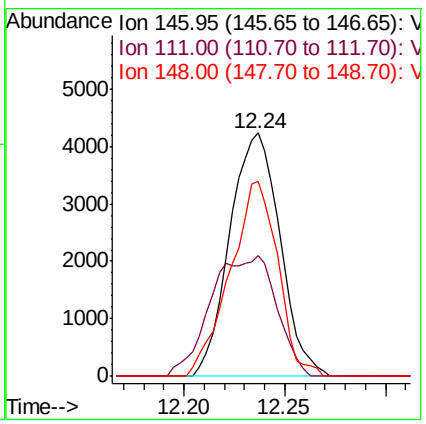


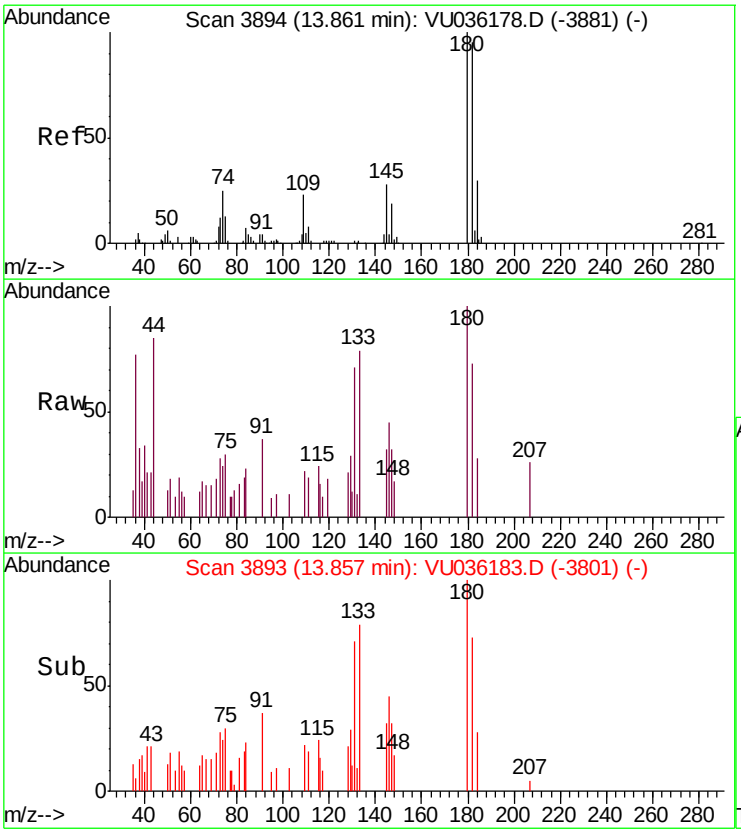
#65
1,2-Dichlorobenzene
Concen: 0.200 ug/L
RT: 12.24 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion:146 Resp: 7382

Ion	Ratio	Lower	Upper
146	100		
111	49.4	33.3	49.9
148	80.2	52.2	78.2#

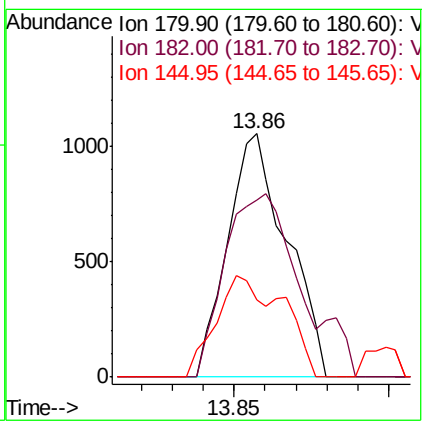


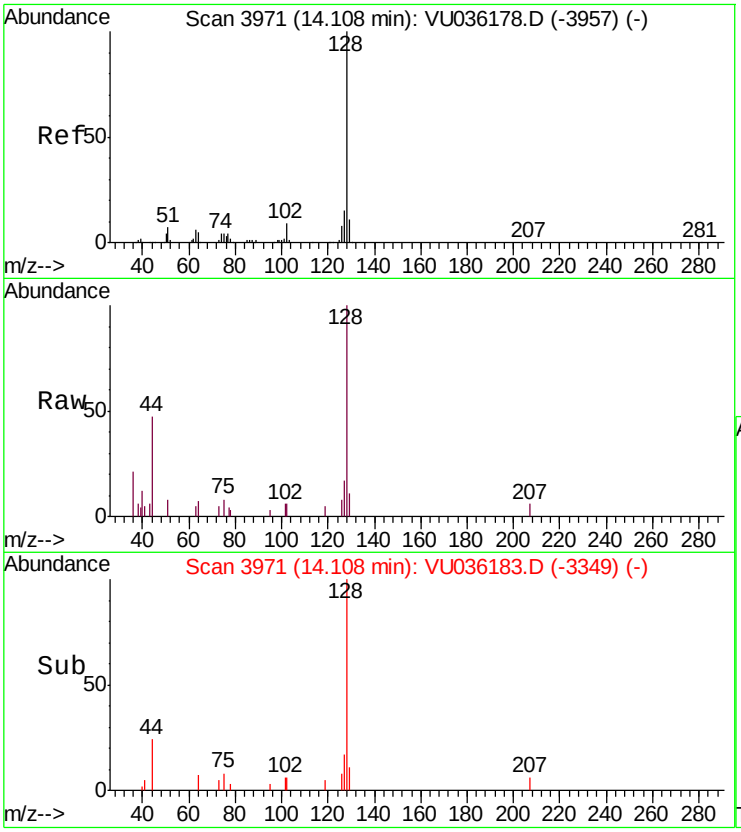


#68
1,2,4-trichlorobenzene
Concen: 0.107 ug/L
RT: 13.86 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Tgt Ion:180 Resp: 1400

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.6
145	47.0	21.8	32.6#





#69
Naphthalene
Concen: 0.400 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VU036183.D
Acq: 13 Dec 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
BFQW2

Tgt Ion:128 Resp: 5386

Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	17.2	11.3	16.9#