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

Quantitation Report (Not Reviewed)

Data File : VU036186.D
Acq On : 13 Dec 2019 06:54
Operator : JC/MD
Sample : K6240-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW9

Quant Time: Dec 13 08:03:56 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	254532	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	268008	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	110578	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	104983	4.07	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 81.40%			
7) Chloroethane-d5	1.93	69	102650	4.53	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 90.60%			
11) 1,1-Dichloroethene-d2	2.59	63	111279	3.27	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 65.40%			
20) 2-Butanone-d5	4.70	46	218033	52.61	ug/L	0.01
Spiked Amount 50.000	Range 40 - 130		Recovery = 105.22%			
24) Chloroform-d	5.11	84	175644	4.69	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.80%			
26) 1,2-Dichloroethane-d4	5.75	65	93404	4.92	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.40%			
32) Benzene-d6	5.77	84	329686	4.60	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.00%			
36) 1,2-Dichloropropane-d6	6.73	67	108596	4.87	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.40%			
41) Toluene-d8	7.93	98	261757	3.96	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 79.20%			
43) trans-1,3-Dichloropropene-	8.21	79	33560	3.60	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 72.00%			
46) 2-Hexanone-d5	8.68	63	157683	46.03	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 92.06%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	95418	4.80	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.00%			
64) 1,2-Dichlorobenzene-d4	12.22	152	106097	5.05	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.00%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	30868	0.908	ug/L	94
8) Chloroethane	1.95	64	14065	0.672	ug/L	96
12) 1,1-Dichloroethene	2.59	96	1732	0.090	ug/L #	1
13) Acetone	2.68	43	60901	16.893	ug/L	97
15) Methyl Acetate	3.00	43	4746	0.617	ug/L	98
16) Methylene chloride	3.08	84	5645	0.210	ug/L	96
19) 1,1-Dichloroethane	3.92	63	70233	1.919	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	48661	2.376	ug/L	96
25) Chloroform	5.14	83	10261	0.265	ug/L	89
29) 1,1,1-Trichloroethane	5.36	97	26524	0.807	ug/L	97
31) Carbon tetrachloride	5.37	117	3664	0.125	ug/L	85
33) Benzene	5.82	78	46252	0.561	ug/L	100
34) Trichloroethene	6.58	95	4101	0.195	ug/L	91
35) Methylcyclohexane	6.73	83	25356	0.844	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	11074	0.521	ug/L #	88
42) Toluene	8.00	91	22688	0.260	ug/L	96
51) Chlorobenzene	9.47	112	36328	0.639	ug/L	98

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

Quantitation Report (Not Reviewed)

Data File : VU036186.D
Acq On : 13 Dec 2019 06:54
Operator : JC/MD
Sample : K6240-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW9

Quant Time: Dec 13 08:03:56 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)
53) m,p-Xylene	9.72	106	5266	0.158	ug/L		100
54) o-Xylene	10.13	106	2964	0.093	ug/L		82
59) 1,2,3-Trichloropropane	11.83	75	13697	0.977	ug/L	#	85
63) 1,4-Dichlorobenzene	11.86	146	3907	0.110	ug/L		96
65) 1,2-Dichlorobenzene	12.23	146	4405	0.126	ug/L	#	86
69) Naphthalene	14.10	128	3108	0.244	ug/L	#	92

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

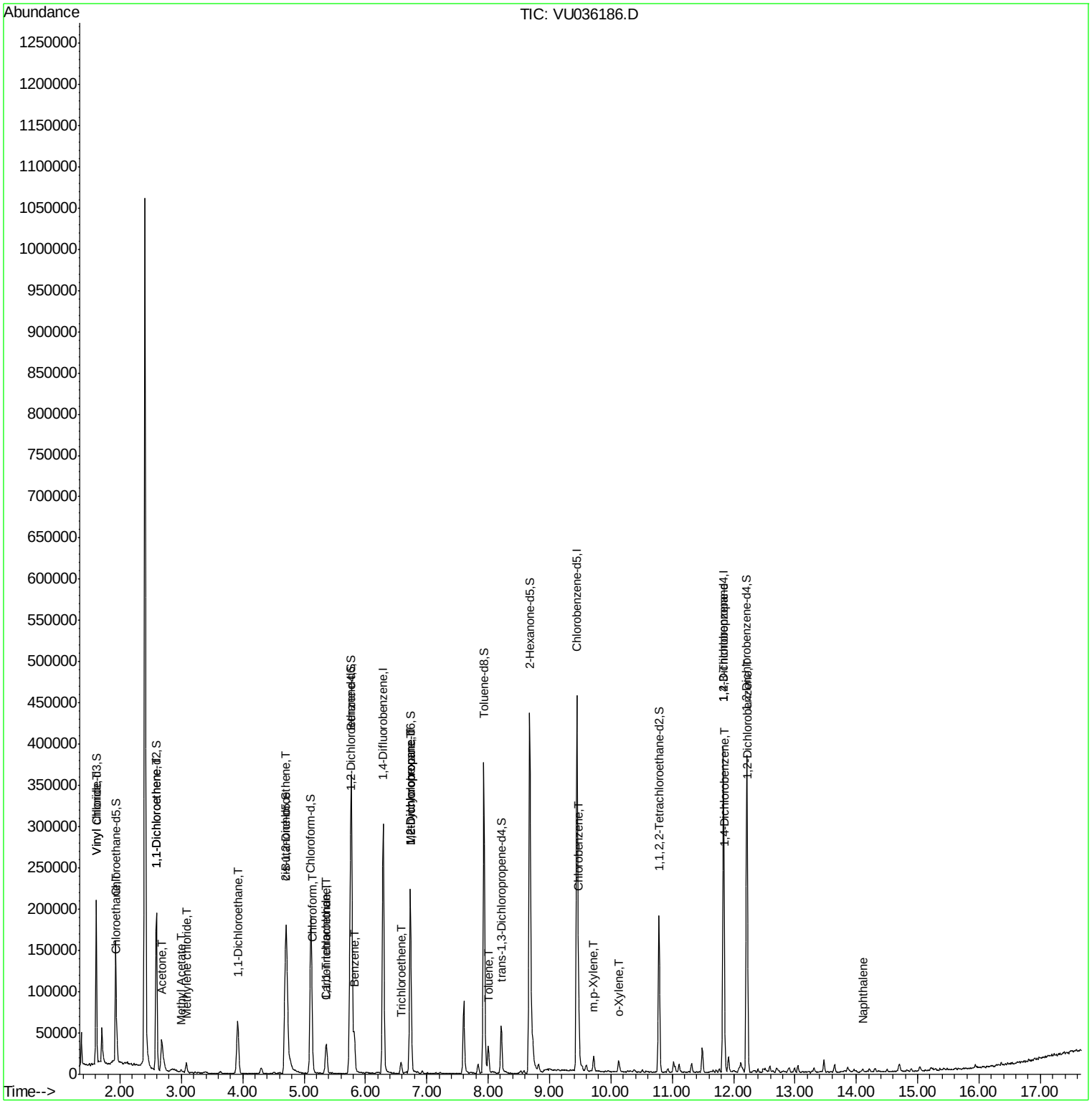
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121219\

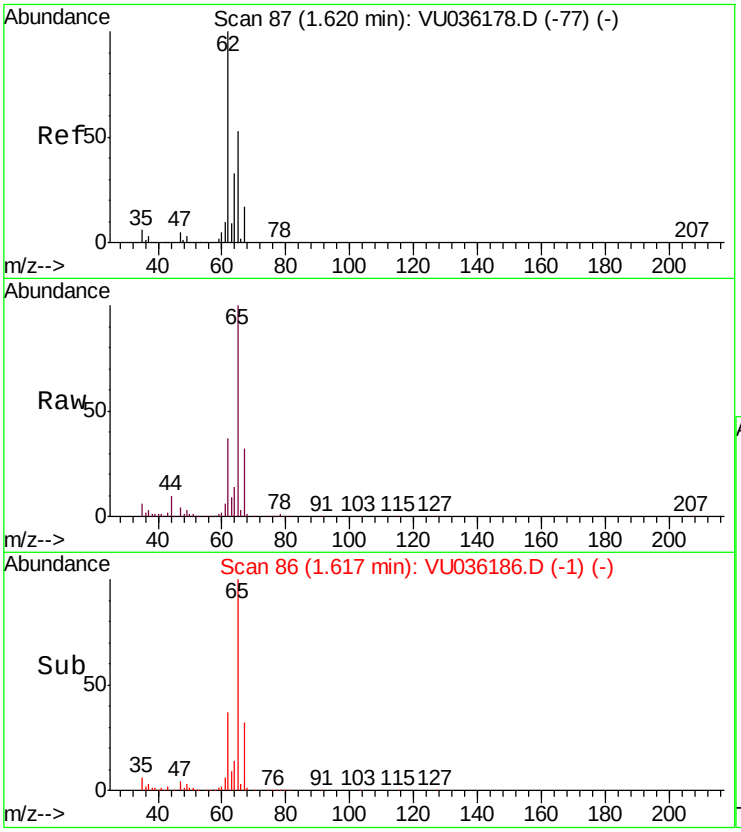
Quantitation Report (Not Reviewed)

Data File : VU036186.D
Acq On : 13 Dec 2019 06:54
Operator : JC/MD
Sample : K6240-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW9

Quant Time: Dec 13 08:03:56 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



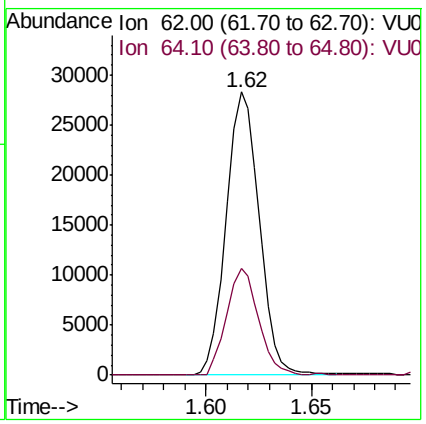


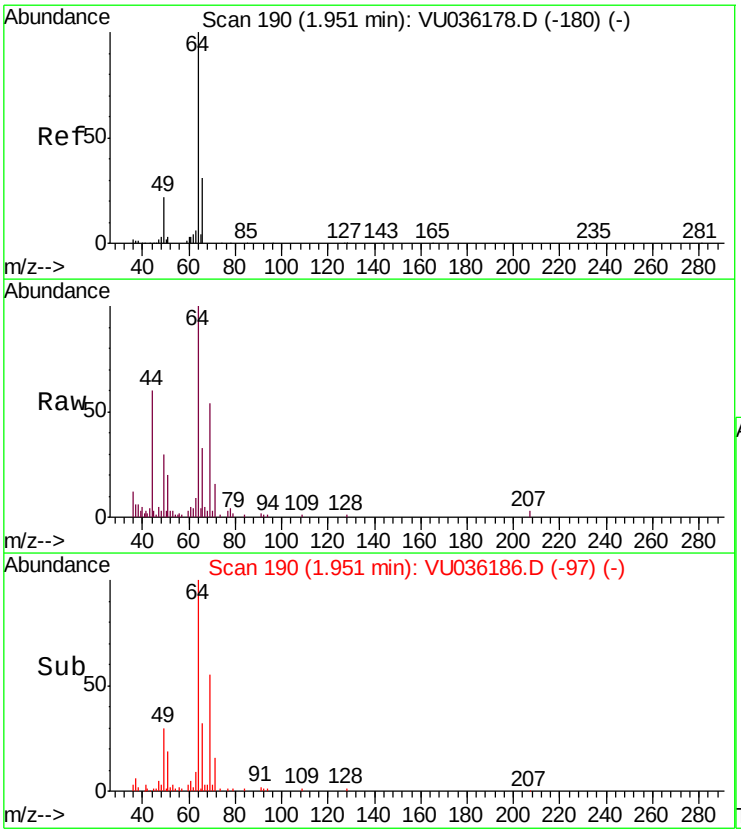
#5
Vinyl chloride
Concen: 0.908 ug/L
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampleId :
BFQW9

Tgt Ion: 62 Resp: 30868

Ion	Ratio	Lower	Upper
62	100		
64	37.5	24.0	44.6

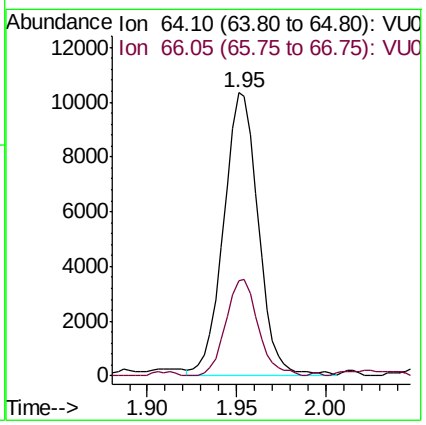


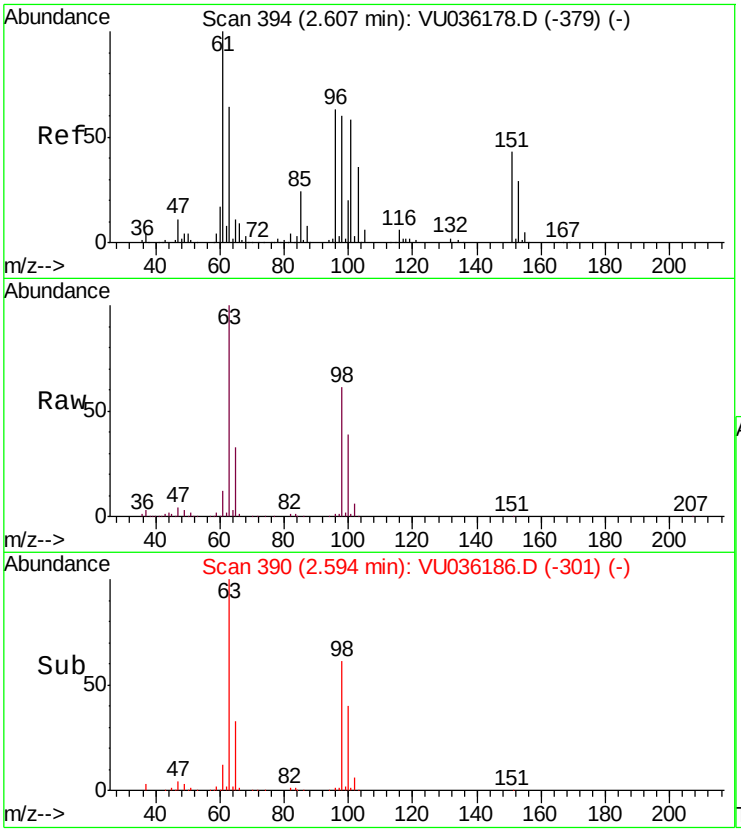


#8
Chloroethane
Concen: 0.672 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 64 Resp: 14065

Ion	Ratio	Lower	Upper
64	100		
66	33.5	22.0	41.0



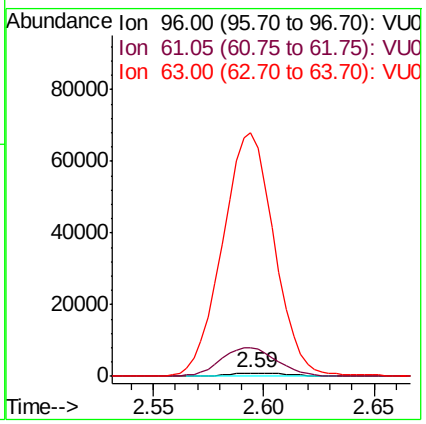


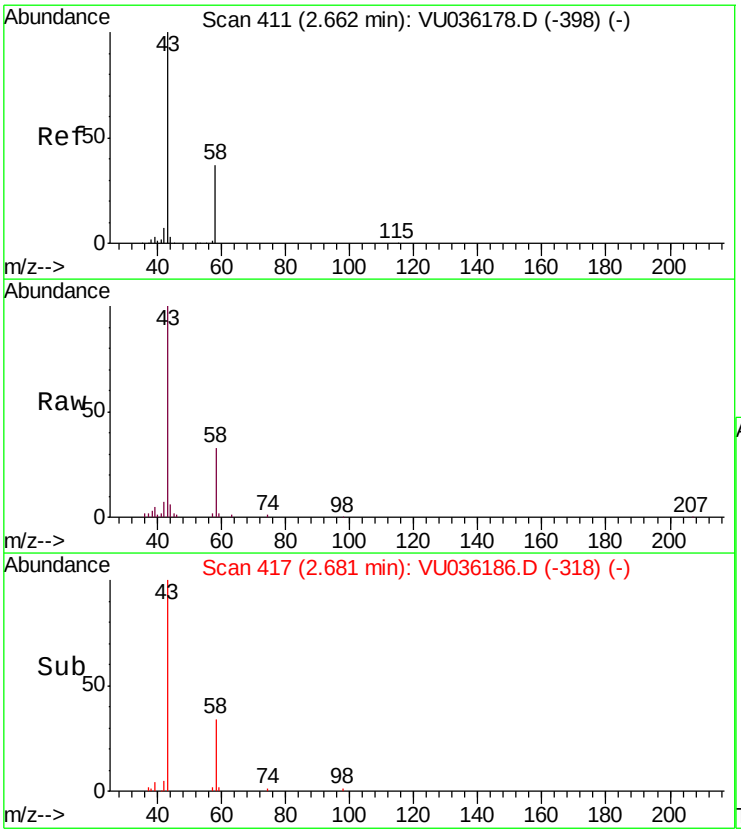
#12
1,1-Dichloroethene
Concen: 0.090 ug/L
RT: 2.59 min Scan# 390
Delta R.T. -0.01 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampleId :
BFQW9

Tgt Ion: 96 Resp: 1732

Ion	Ratio	Lower	Upper
96	100		
61	865.5	110.6	205.4#
63	7380.7	71.6	133.0#

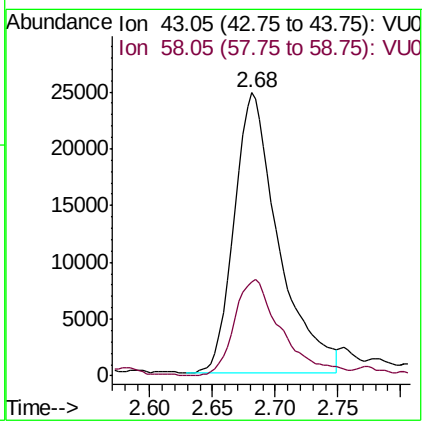


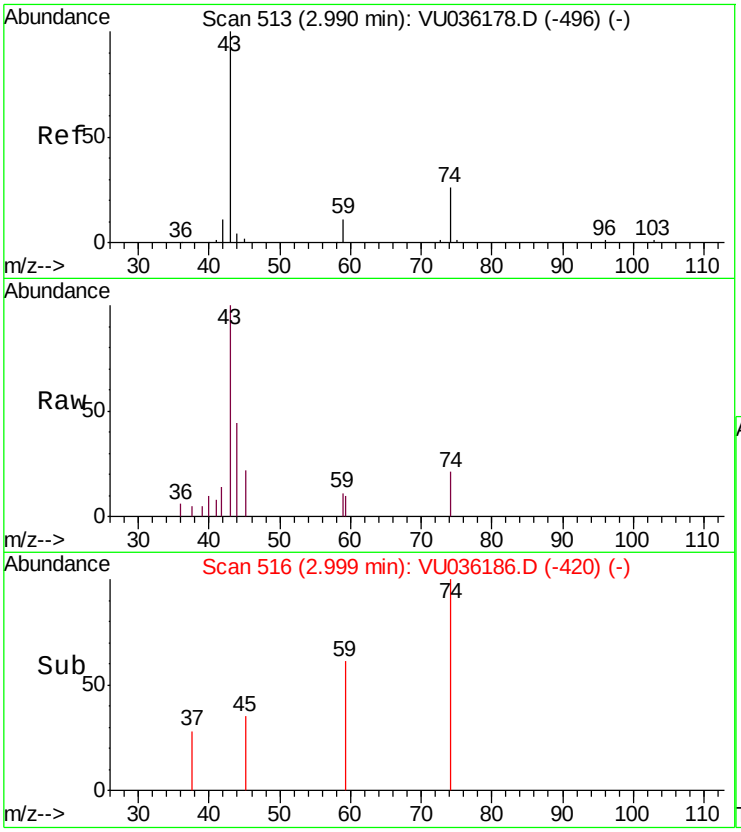


#13
Acetone
Concen: 16.893 ug/L
RT: 2.68 min Scan# 417
Delta R.T. 0.02 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 43 Resp: 60901

Ion	Ratio	Lower	Upper
43	100		
58	36.7	0.0	70.0



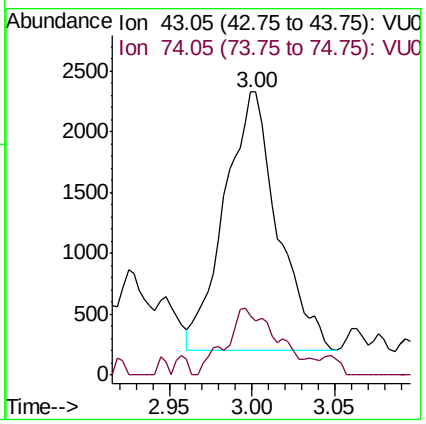


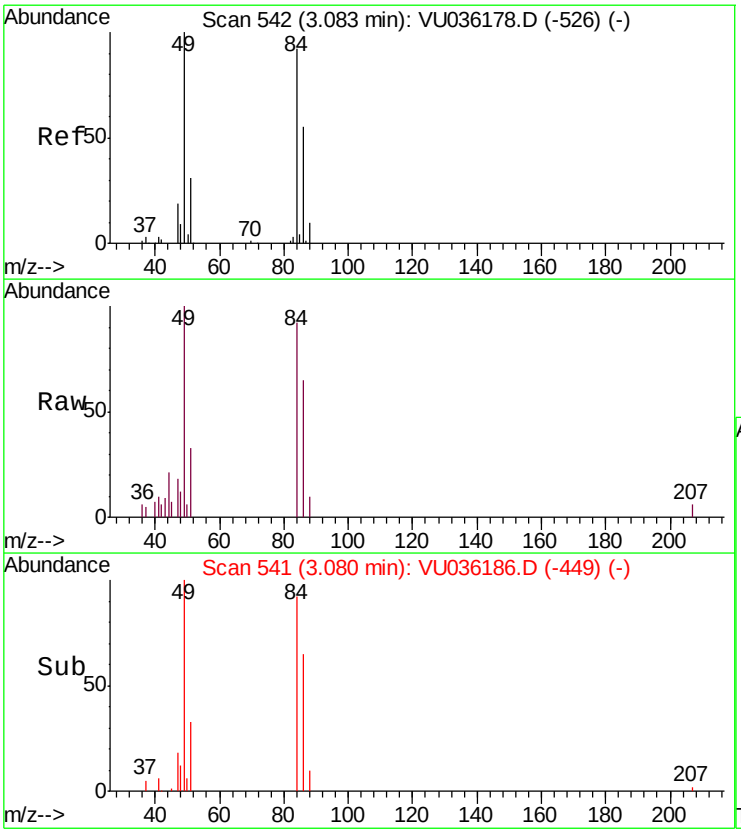
#15
Methyl Acetate
Concen: 0.617 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument : MSVOA_U
ClientSampleId : BFQW9

Tgt Ion: 43 Resp: 4746

Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.6	30.8

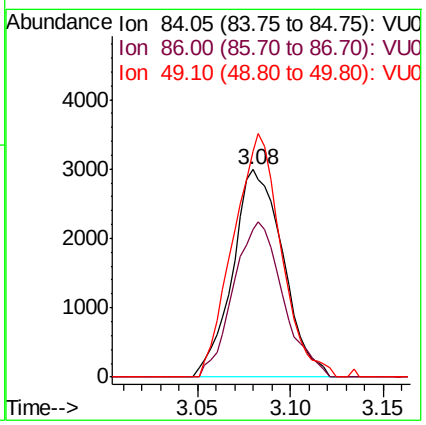


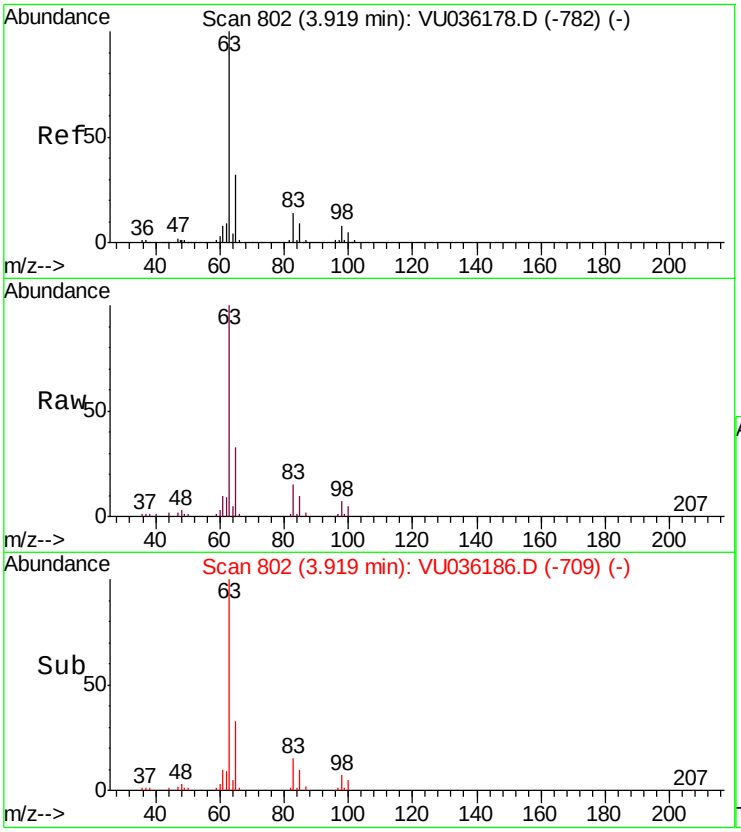


#16
Methylene chloride
Concen: 0.210 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 84 Resp: 5645

Ion	Ratio	Lower	Upper
84	100		
86	70.9	46.1	85.5
49	109.0	77.7	144.3



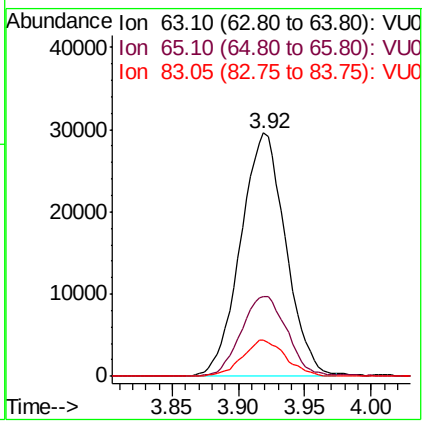


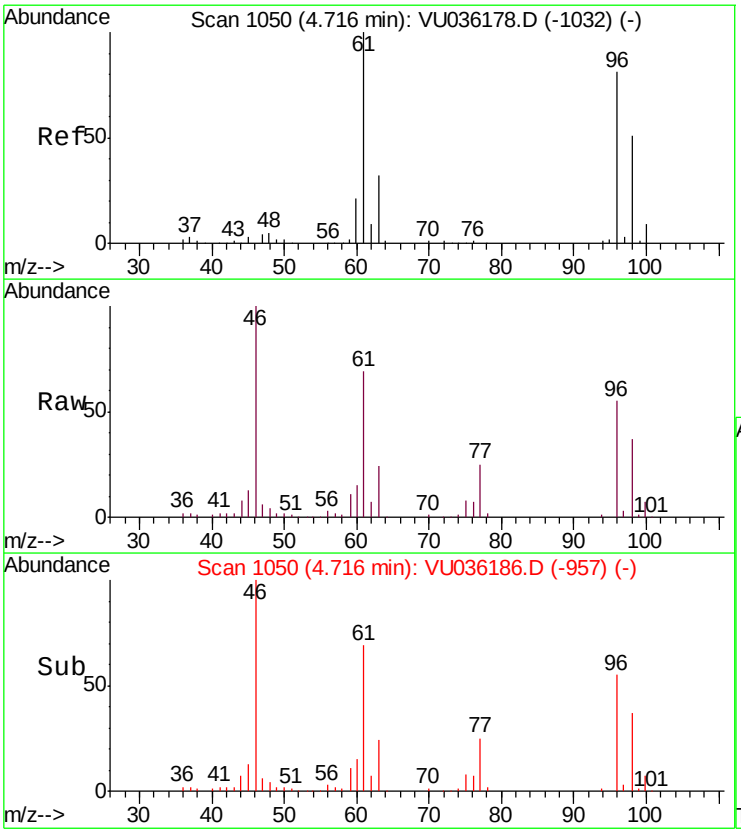
#19
1,1-Dichloroethane
Concen: 1.919 ug/L
RT: 3.92 min Scan# 802
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument : MSVOA_U
ClientSampleId : BFQW9

Tgt Ion: 63 Resp: 70233

Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.2	41.2
83	15.1	9.8	18.2

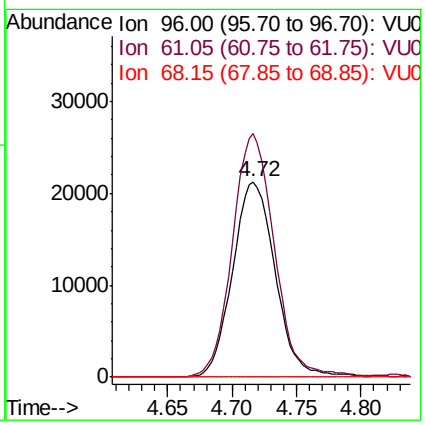


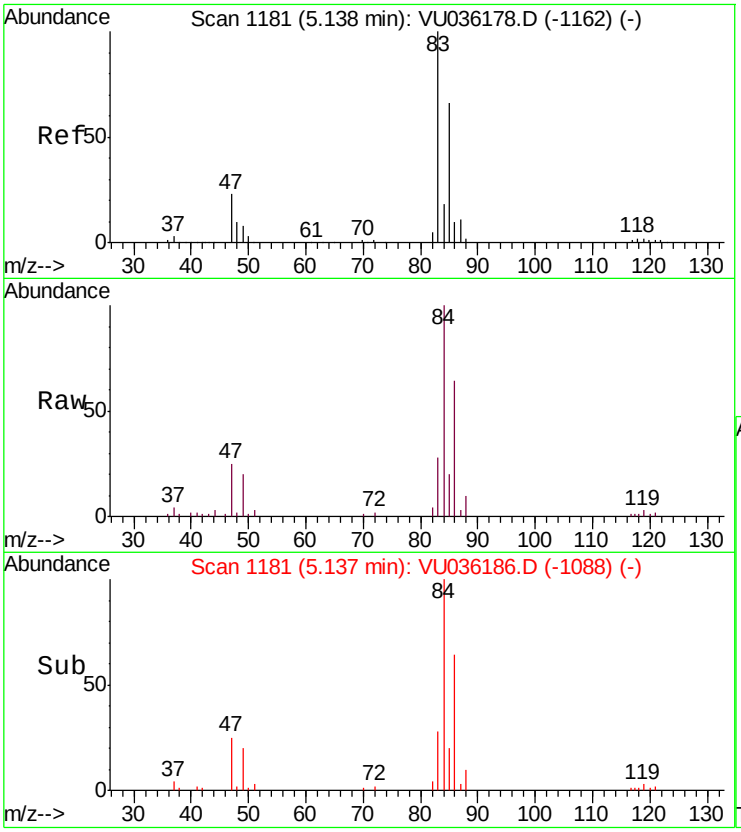


#22
cis-1,2-Dichloroethene
Concen: 2.376 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 96 Resp: 48661

Ion	Ratio	Lower	Upper
96	100		
61	124.6	83.8	155.6
68	0.0	0.0	0.0



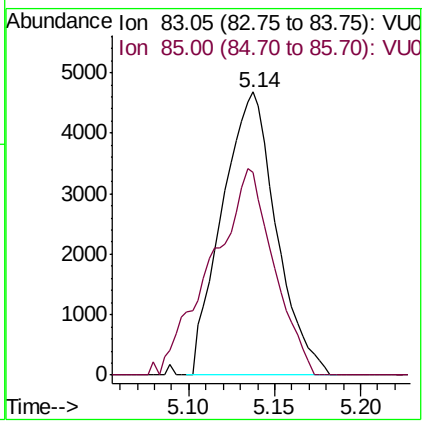


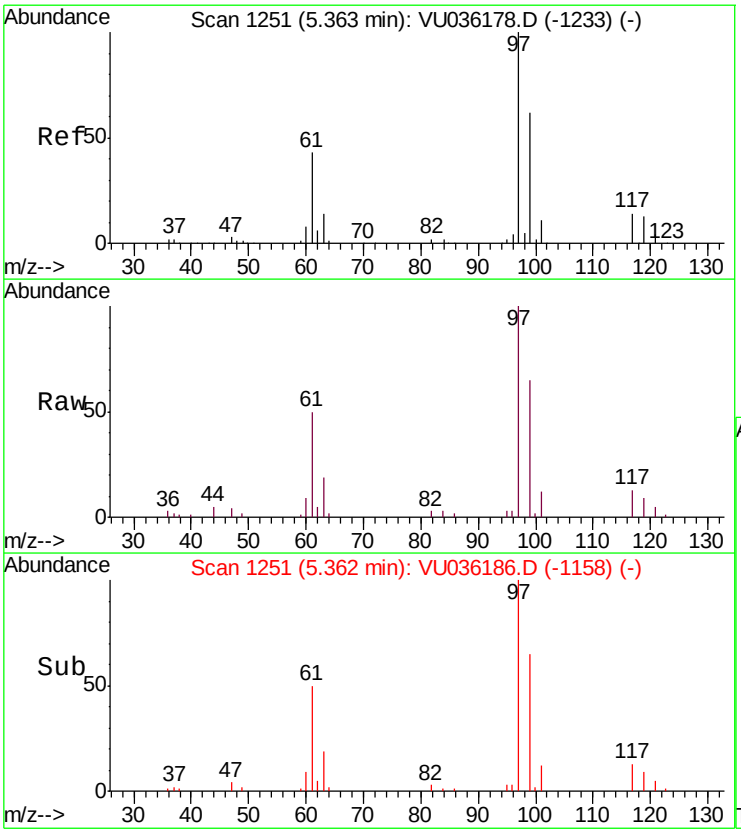
#25
Chloroform
Concen: 0.265 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampleId :
BFQW9

Tgt Ion: 83 Resp: 10261

Ion	Ratio	Lower	Upper
83	100		
85	71.9	44.2	82.0

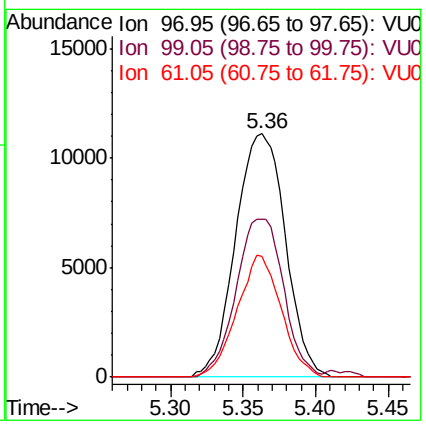


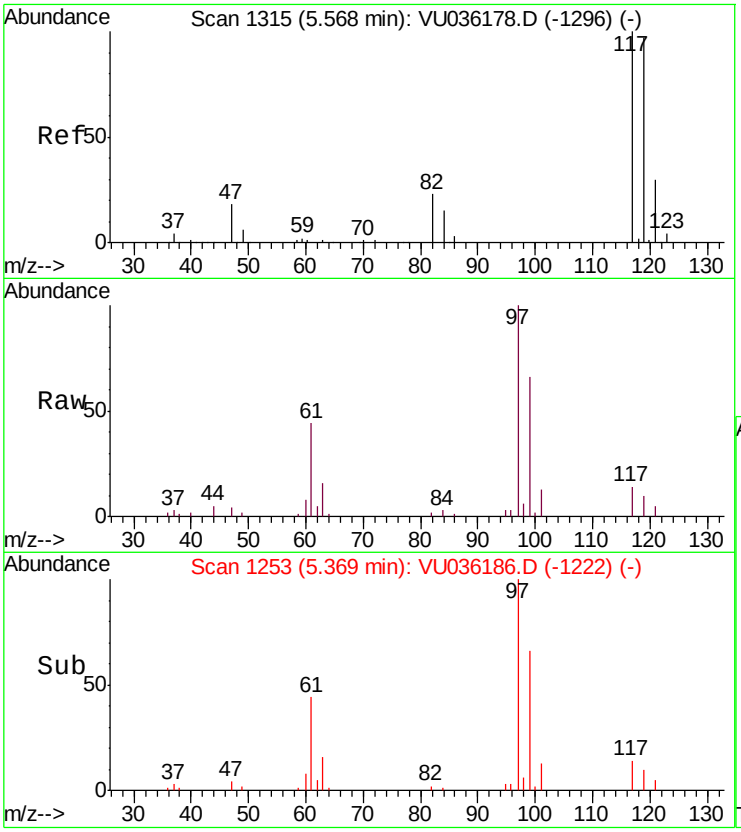


#29
1,1,1-Trichloroethane
Concen: 0.807 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 97 Resp: 26524

Ion	Ratio	Lower	Upper
97	100		
99	62.0	52.6	79.0
61	44.5	35.4	53.2



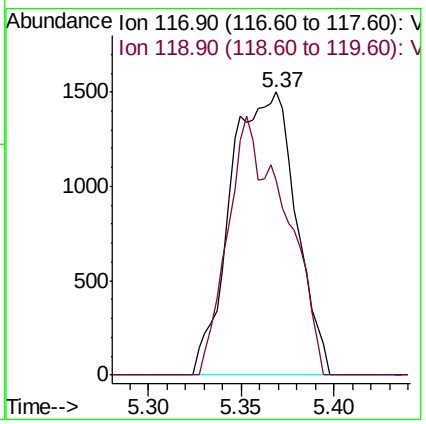


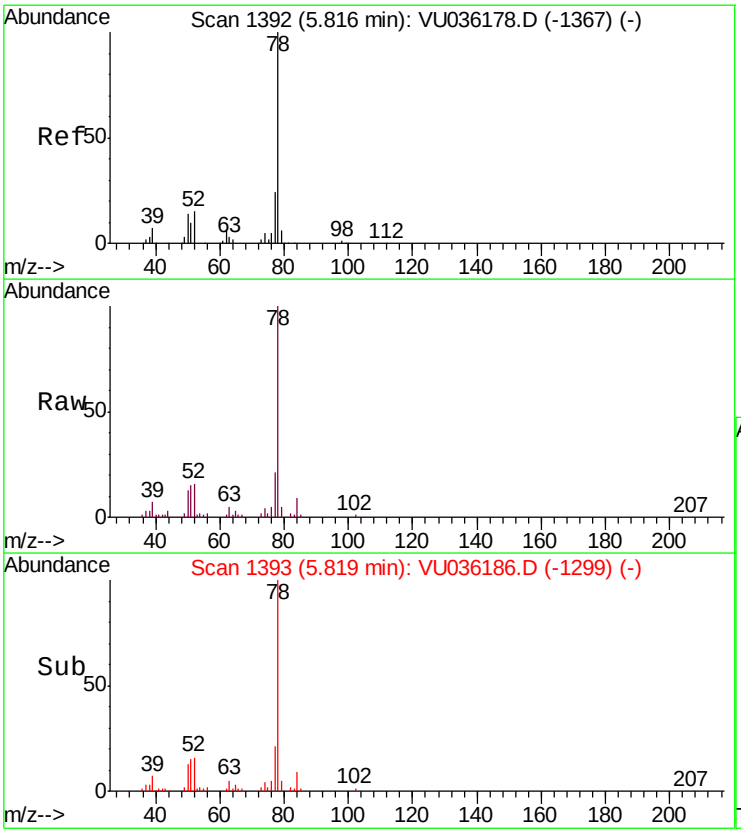
#31
Carbon tetrachloride
Concen: 0.125 ug/L
RT: 5.37 min Scan# 1253
Delta R.T. -0.20 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampleId :
BFQW9

Tgt Ion:117 Resp: 3664

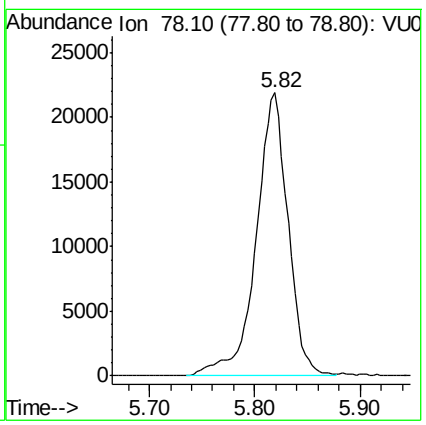
Ion	Ratio	Lower	Upper
117	100		
119	81.1	76.6	114.8

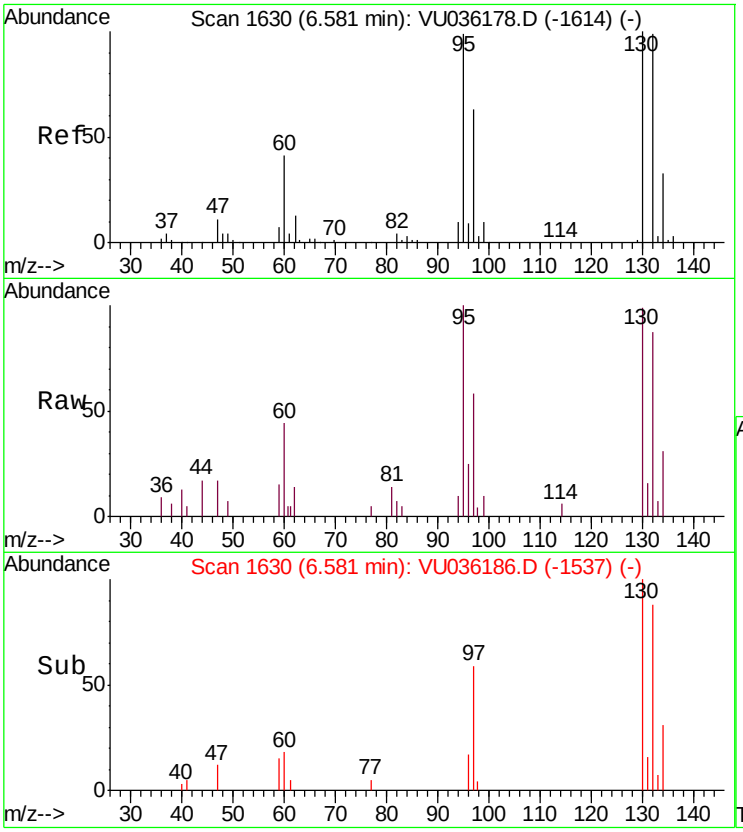




#33
Benzene
Concen: 0.561 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 78 Resp: 46252



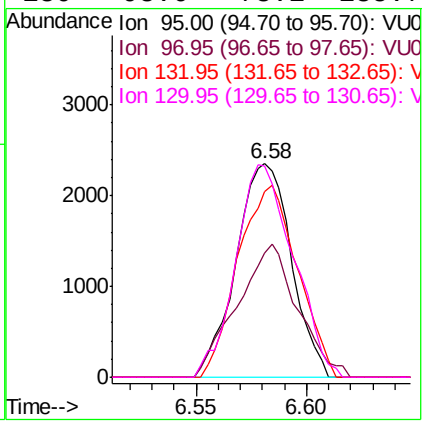


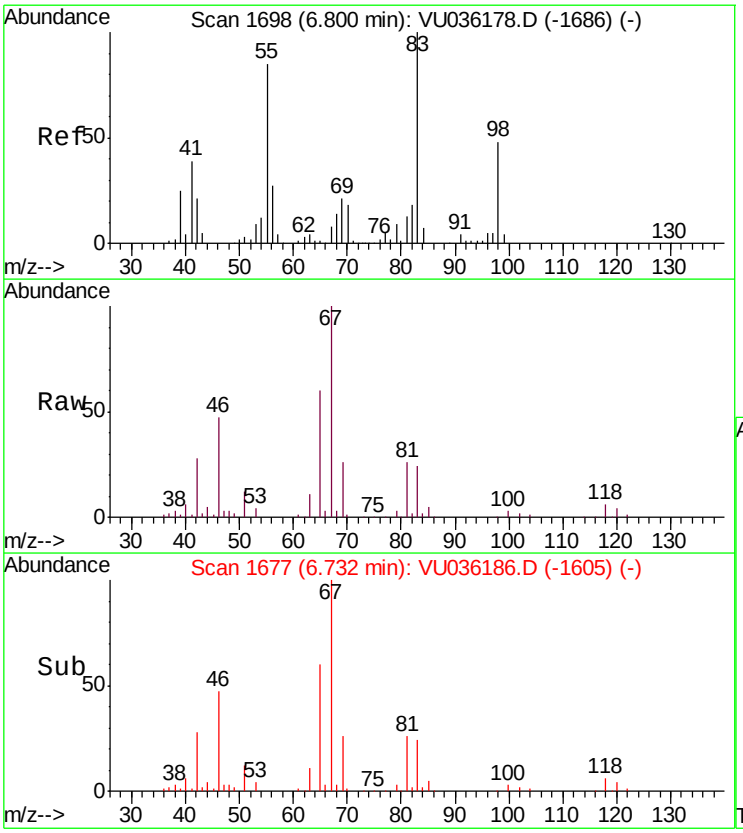
#34
Trichloroethene
Concen: 0.195 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampleId :
BFQW9

Tgt Ion: 95 Resp: 4101

Ion	Ratio	Lower	Upper
95	100		
97	58.3	43.7	81.1
132	86.9	71.7	133.3
130	98.6	73.1	135.7

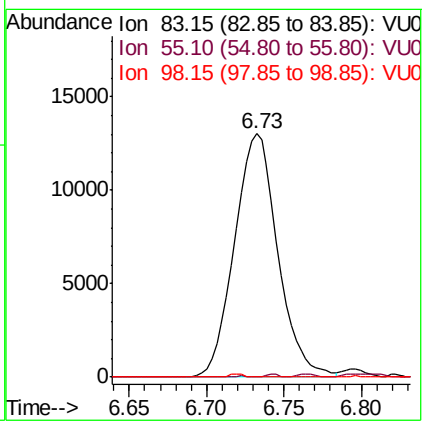


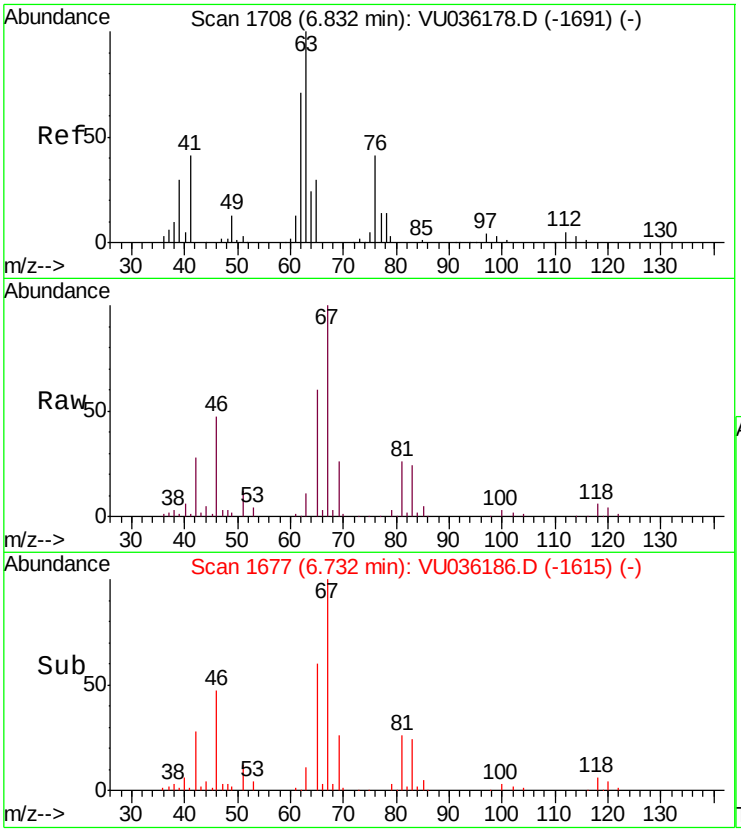


#35
Methylcyclohexane
Concen: 0.844 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 83 Resp: 25356

Ion	Ratio	Lower	Upper
83	100		
55	0.3	61.9	92.9#
98	0.0	35.8	53.6#



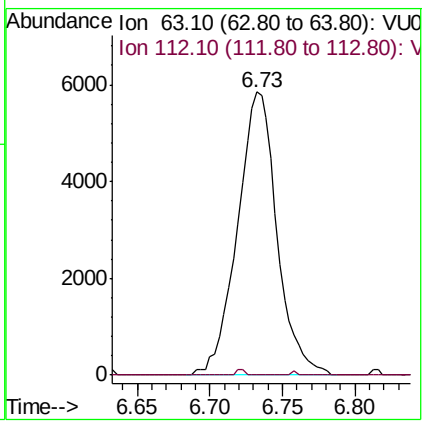


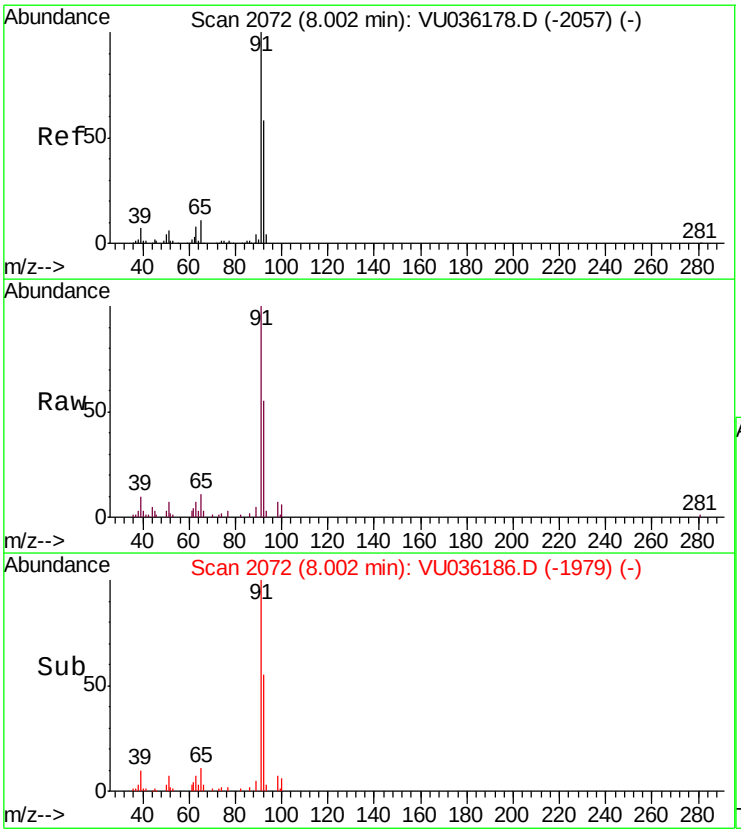
#37
1,2-Dichloropropane
Concen: 0.521 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument : MSVOA_U
ClientSampleId : BFQW9

Tgt Ion: 63 Resp: 11074

Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.6	5.4#

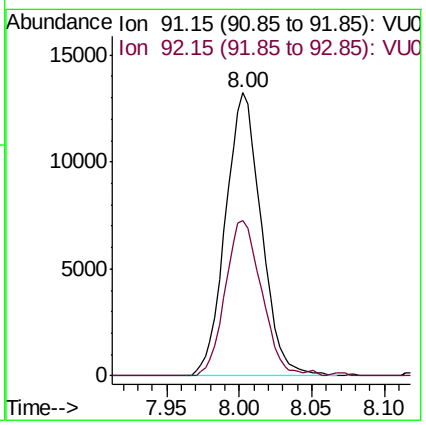


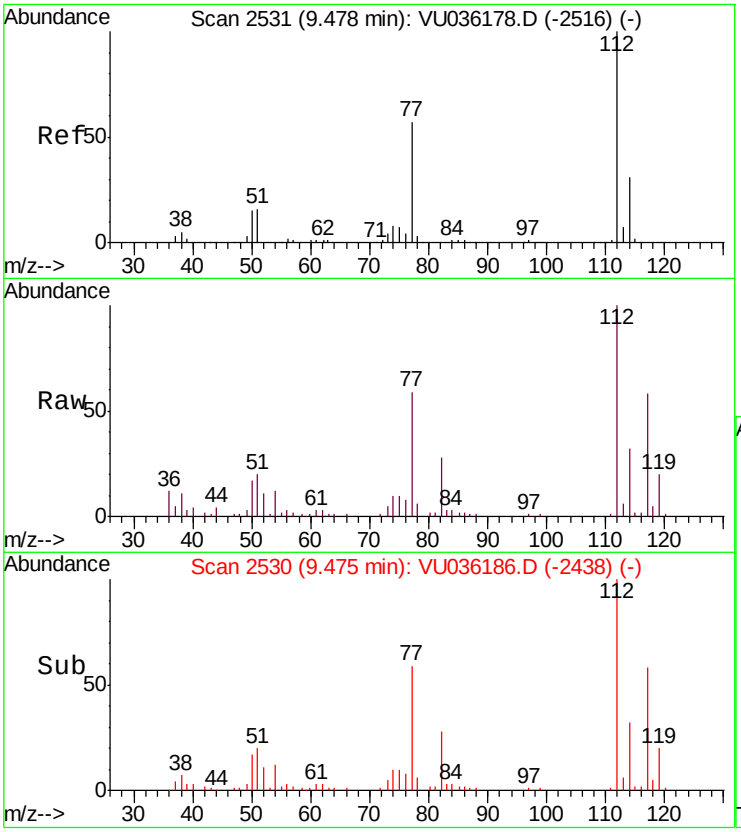


#42
Toluene
Concen: 0.260 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 91 Resp: 22688

Ion	Ratio	Lower	Upper
91	100		
92	55.0	40.7	75.7



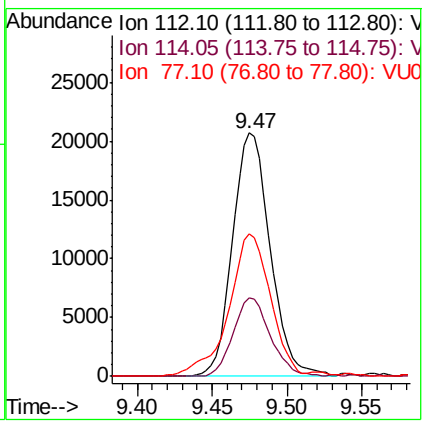


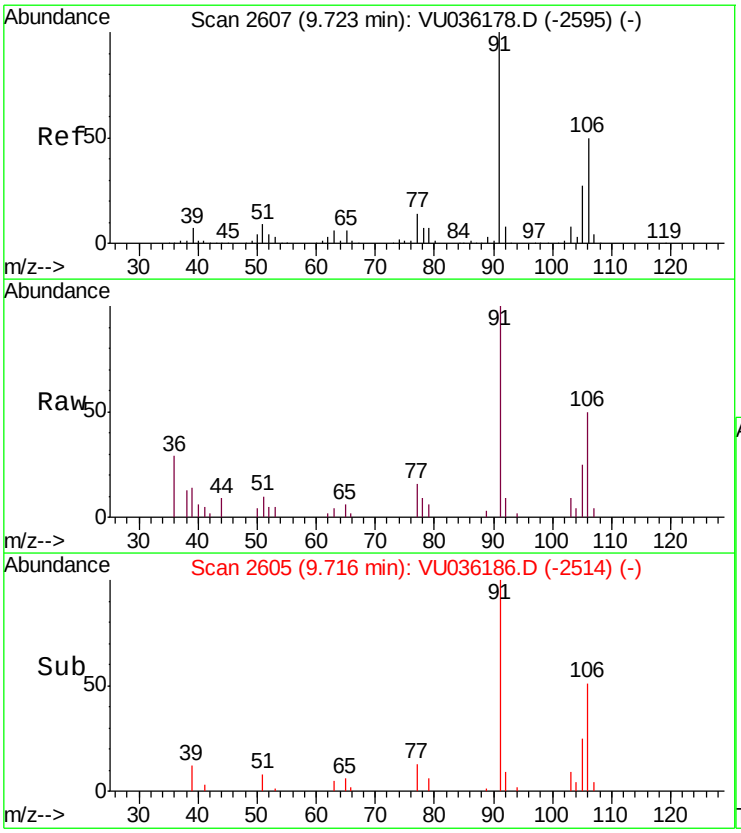
#51
Chlorobenzene
Concen: 0.639 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument : MSVOA_U
ClientSampleId : BFQW9

Tgt Ion:112 Resp: 36328

Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.2	41.2
77	58.8	45.7	68.5

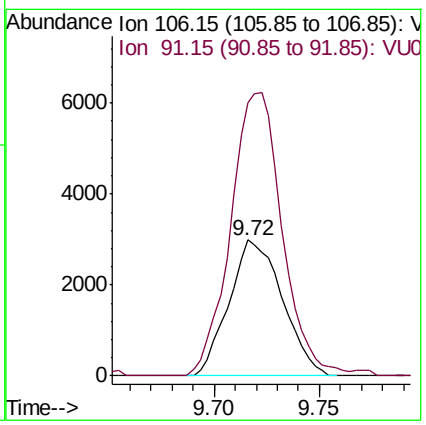


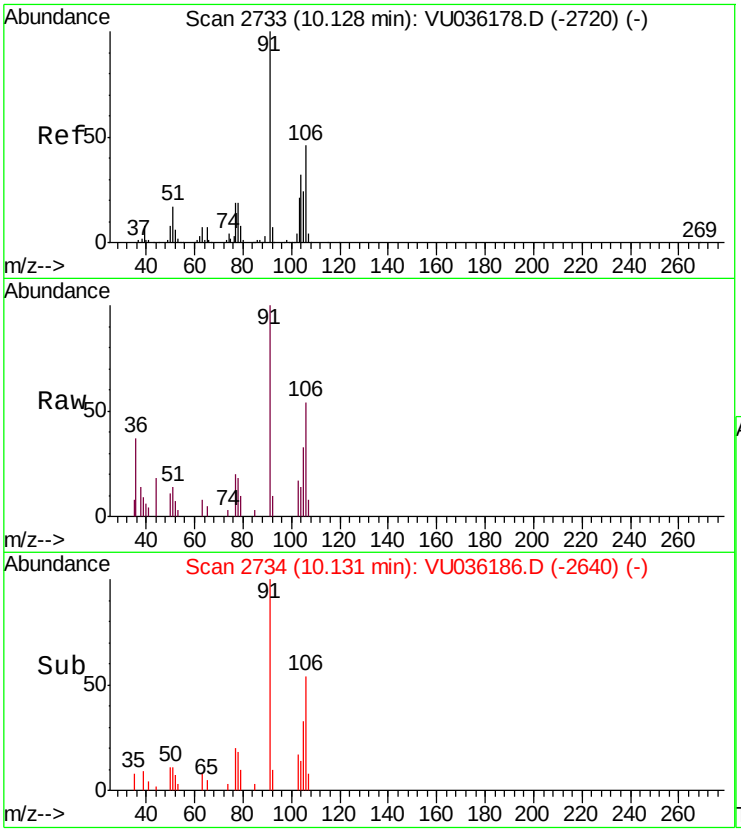


#53
m,p-Xylene
Concen: 0.158 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. -0.01 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion:106 Resp: 5266

Ion	Ratio	Lower	Upper
106	100		
91	200.6	140.4	260.8



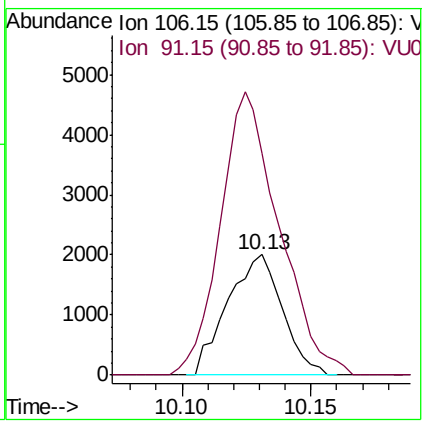


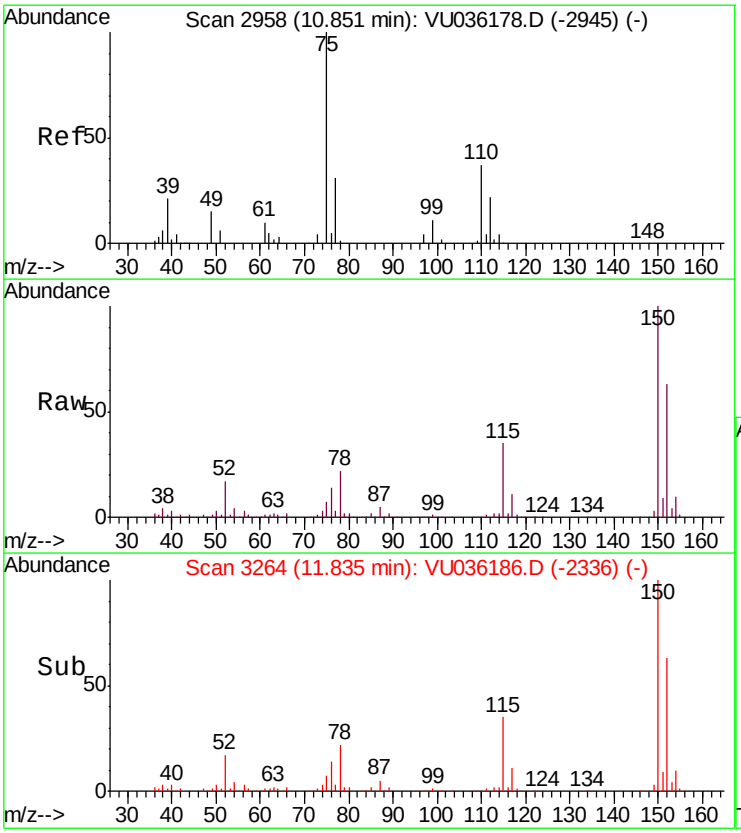
#54
o-Xylene
Concen: 0.093 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampleId :
BFQW9

Tgt Ion:106 Resp: 2964

Ion	Ratio	Lower	Upper
106	100		
91	183.9	148.5	275.7

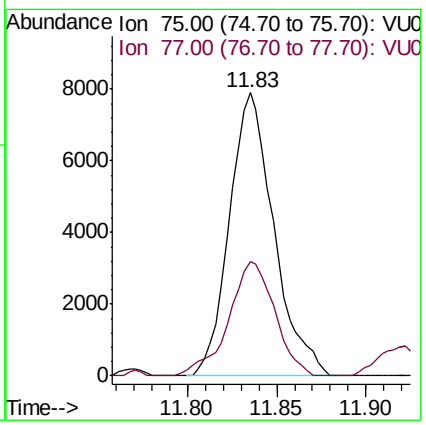


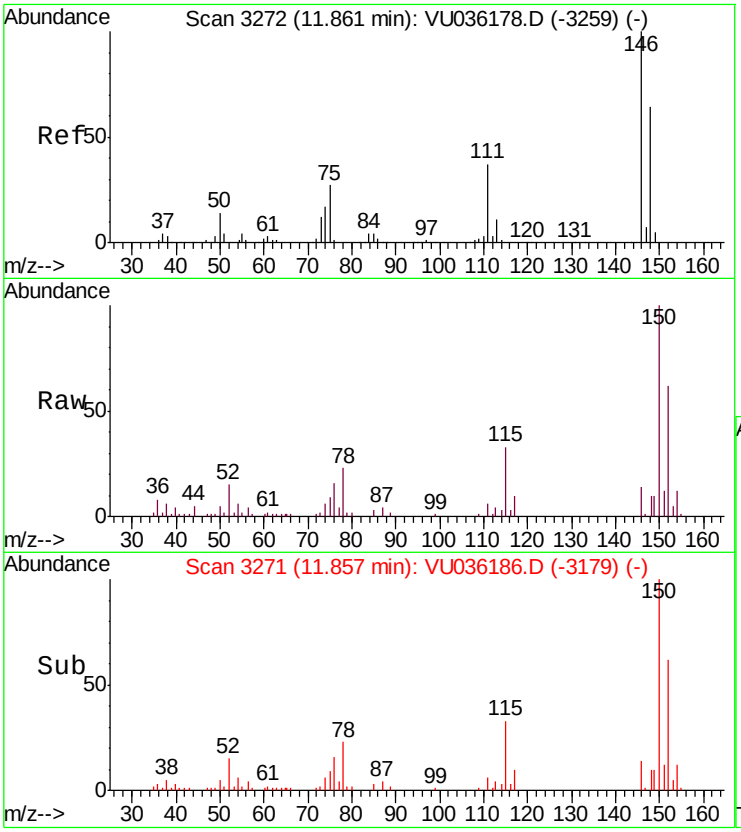


#59
1,2,3-Trichloropropane
Concen: 0.977 ug/L
RT: 11.83 min Scan# 3264
Delta R.T. 0.98 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion: 75 Resp: 13697

Ion	Ratio	Lower	Upper
75	100		
77	41.9	26.6	39.8#



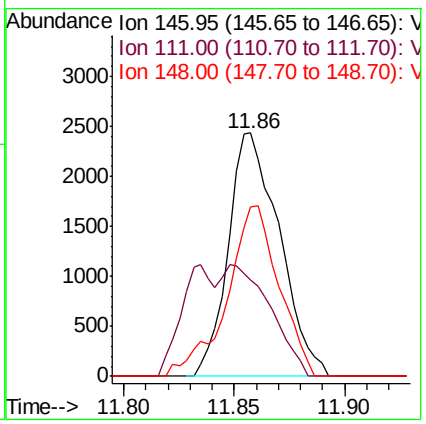


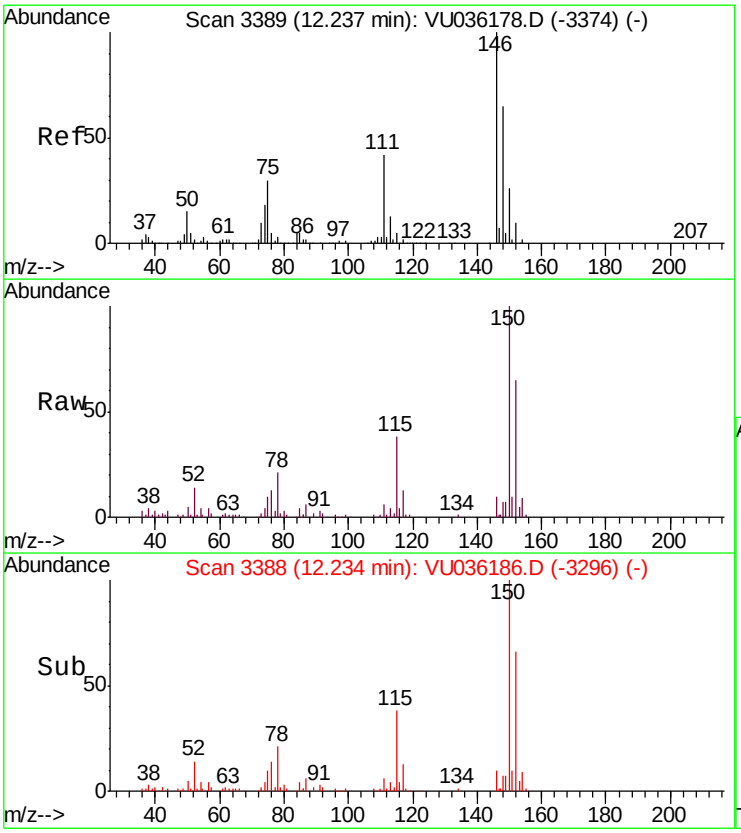
#63
1,4-Dichlorobenzene
Concen: 0.110 ug/L
RT: 11.86 min Scan# 3271
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument : MSVOA_U
ClientSampleId : BFQW9

Tgt Ion:146 Resp: 3907

Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.5	51.1
148	69.6	45.4	84.2

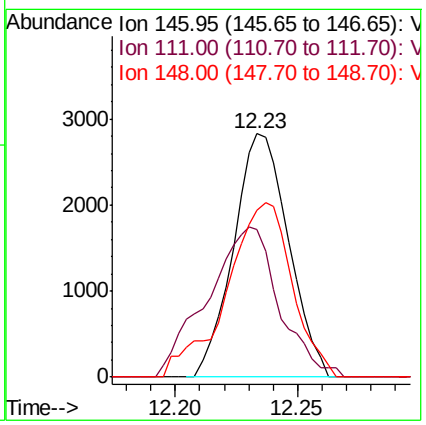


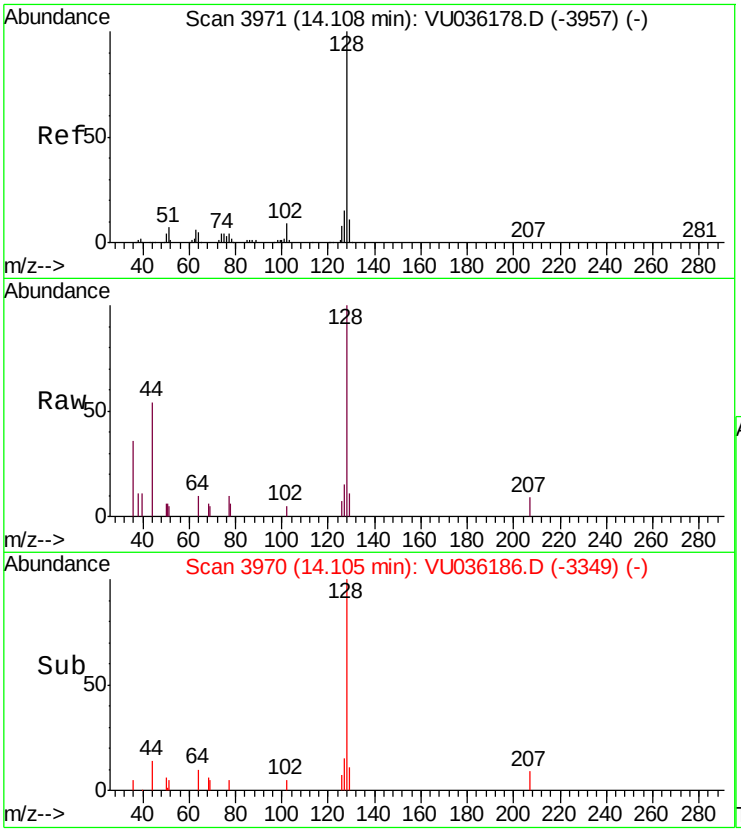


#65
1,2-Dichlorobenzene
Concen: 0.126 ug/L
RT: 12.23 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion:146 Resp: 4405

Ion	Ratio	Lower	Upper
146	100		
111	60.9	33.3	49.9#
148	68.4	52.2	78.2





#69
Naphthalene
Concen: 0.244 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampleId :
BFQW9

Tgt Ion:128 Resp: 3108

Ion	Ratio	Lower	Upper
128	100		
129	8.3	8.8	13.2#
127	10.6	11.3	16.9#