Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031072.D
Acq On : 11 Apr 2019 16:36
Operator : JC/SP
Sample : K2365-06
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2G56

Quant Time: Apr 12 05:36:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	483932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	484907	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	257762	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	201704	46.69	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 93.38%			
7) Chloroethane-d5	1.64	69	149070	45.47	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.94%			
11) 1,1-Dichloroethene-d2	2.23	63	309350	39.59	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.18%			
21) 2-Butanone-d5	4.19	46	313824	91.66	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.66%			
24) Chloroform-d	4.64	84	360349	54.61	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.22%			
26) 1,2-Dichloroethane-d4	5.30	65	231163	51.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.68%			
32) Benzene-d6	5.33	84	700322	49.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.94%			
36) 1,2-Dichloropropane-d6	6.32	67	234444	48.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.66%			
41) Toluene-d8	7.56	98	642289	51.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.38%			
43) trans-1,3-Dichloropropene-	7.85	79	109657	49.57	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.14%			
47) 2-Hexanone-d5	8.32	63	249453	112.50	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 112.50%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	343930	52.56	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.12%			
64) 1,2-Dichlorobenzene-d4	11.86	152	258281	50.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.90%			
Target Compounds						Qvalue
13) Acetone	2.34	43	409767	116.960	ug/L	99
16) Methylene chloride	2.68	84	444868	109.473	ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	160312	45.135	ug/L	99
19) 1,1-Dichloroethane	3.42	63	231320	31.558	ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	340195	86.744	ug/L	91
23) Bromochloromethane	4.54	128	114239	61.614	ug/L	89
25) Chloroform	4.66	83	643758	87.383	ug/L	99
27) 1,2-Dichloroethane	5.40	62	419734	74.648	ug/L	100
31) Carbon tetrachloride	5.12	117	156400	30.712	ug/L	98
33) Benzene	5.38	78	2847649	179.456	ug/L	100
34) Trichloroethene	6.18	95	503768	129.438	ug/L	94
38) Bromodichloromethane	6.75	83	513211	94.679	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	970788	134.355	ug/L	97
42) Toluene	7.63	91	493137	30.445	ug/L	99
46) Tetrachloroethene	8.22	164	516977	182.705	ug/L	98
48) 2-Hexanone	8.37	43	515911	91.518	ug/L	98
49) Dibromochloromethane	8.48	129	269101	66.550	ug/L	98

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031072.D
Acq On : 11 Apr 2019 16:36
Operator : JC/SP
Sample : K2365-06
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2G56

Quant Time: Apr 12 05:36:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.12	112	802111	80.740	ug/L	97
52) Ethylbenzene	9.25	91	472042	26.735	ug/L	100
53) m,p-Xylene	9.38	106	509261	82.701	ug/L	99
54) o-xylene	9.78	106	323884	52.878	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	877050	107.659	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	524922	64.236	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	240255	138.302	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	225925	42.718	ug/L	98

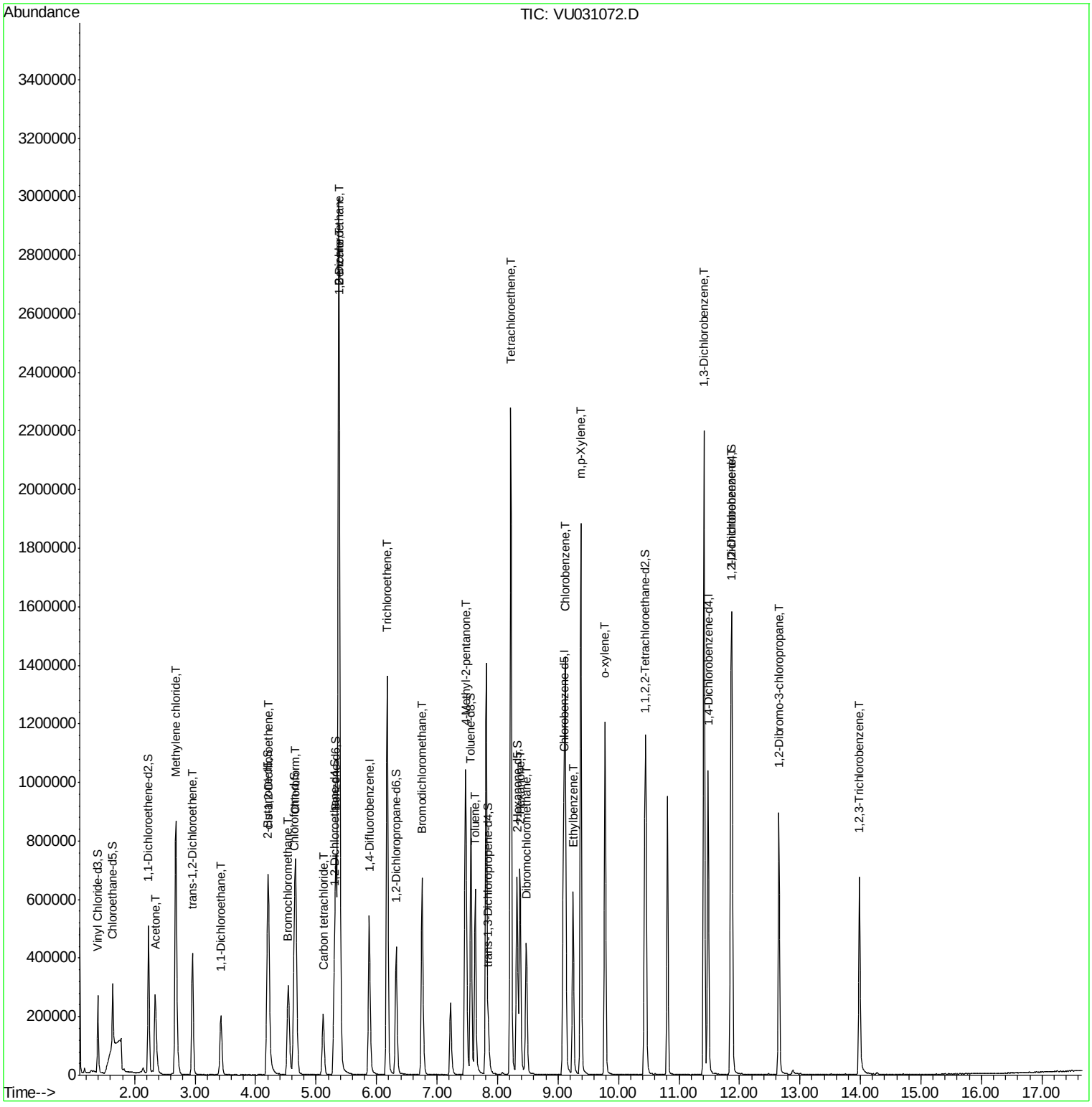
(#) = qualifier out of range (m) = manual integration (+) = signals summed

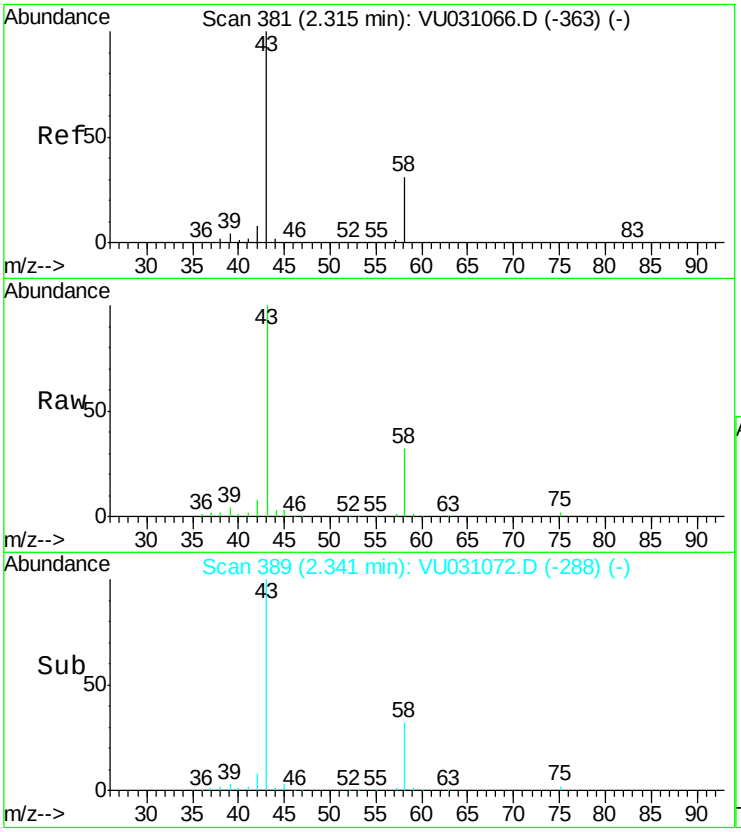
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031072.D
Acq On : 11 Apr 2019 16:36
Operator : JC/SP
Sample : K2365-06
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 63 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2G56

Quant Time: Apr 12 05:36:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration



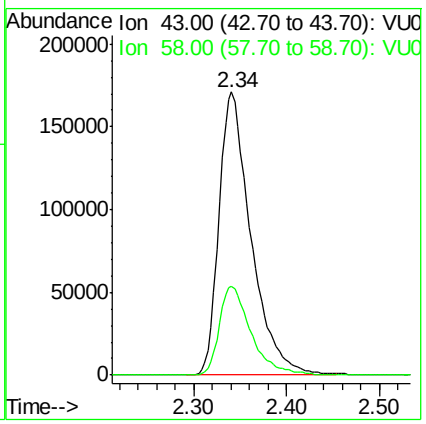


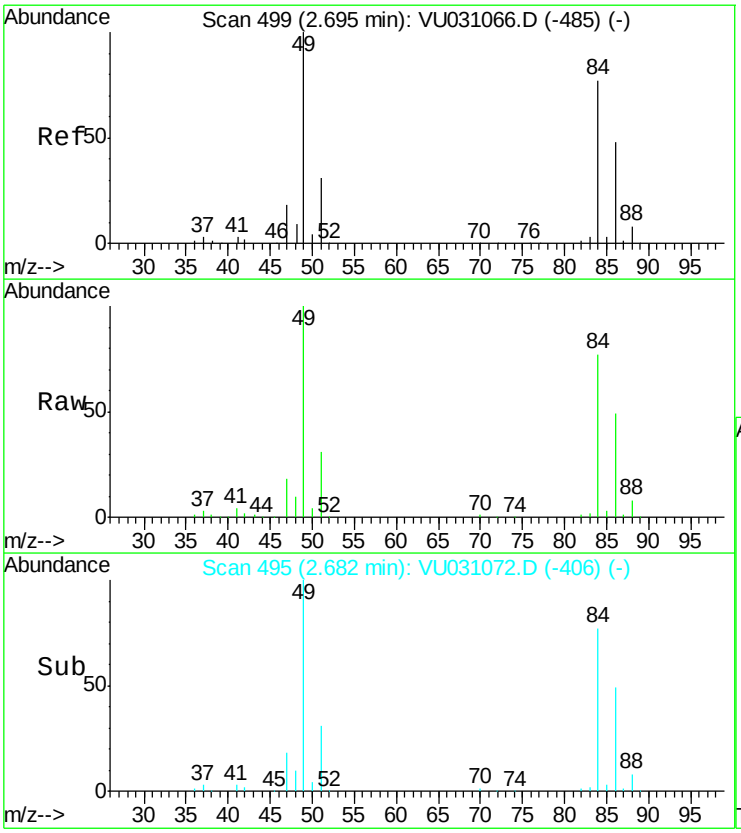
#13
Acetone
Concen: 116.960 ug/L
RT: 2.34 min Scan# 389
Delta R.T. 0.03 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument : MSVOA_U
ClientSampleId : X2G56

Tgt Ion: 43 Resp: 409767

Ion	Ratio	Lower	Upper
43	100		
58	31.3	0.0	64.0

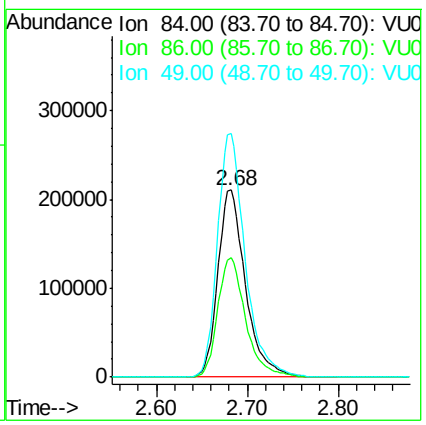


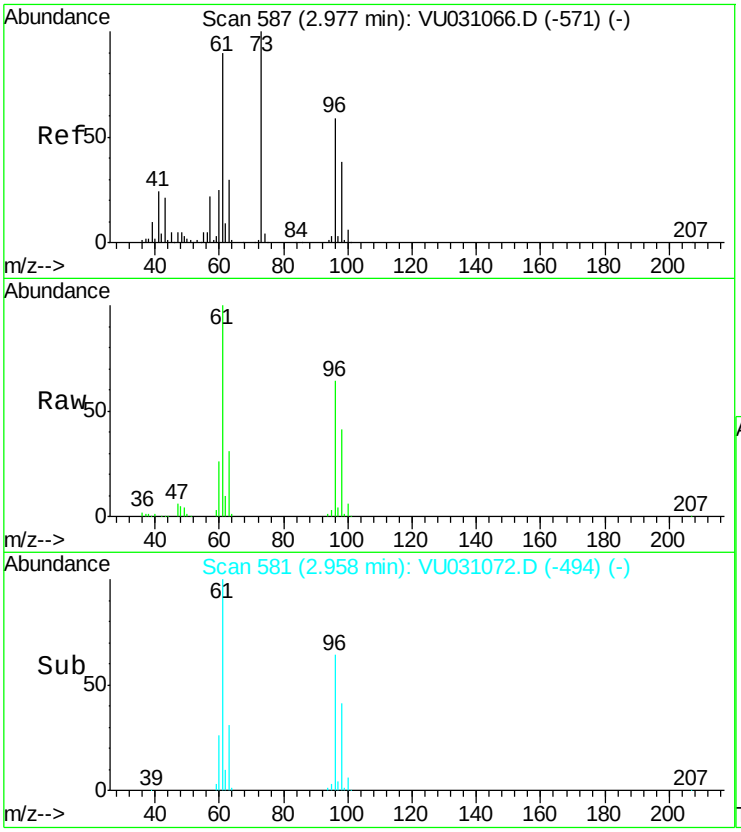


#16
Methylene chloride
Concen: 109.473 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.01 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion: 84 Resp: 444868

Ion	Ratio	Lower	Upper
84	100		
86	64.1	45.1	83.7
49	130.4	96.5	179.1



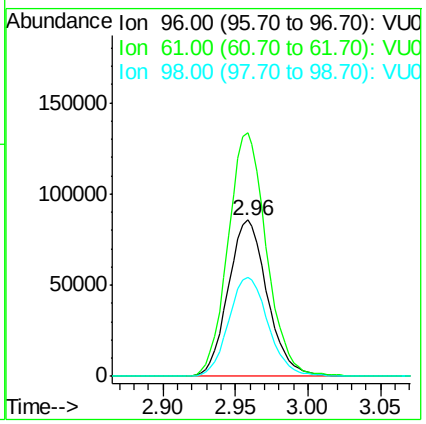


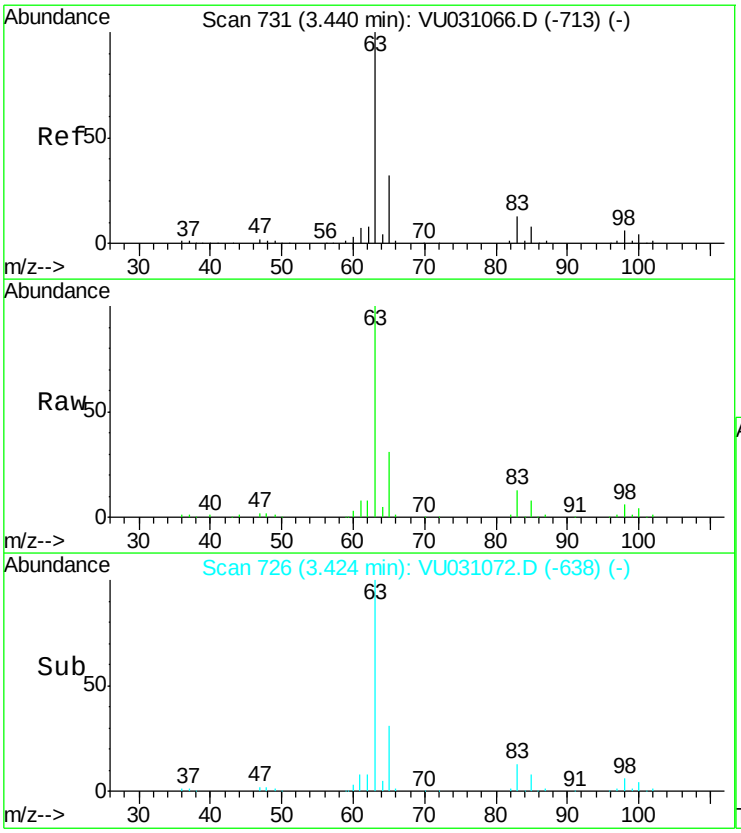
#17
trans-1,2-Dichloroethene
Concen: 45.135 ug/L
RT: 2.96 min Scan# 581
Delta R.T. -0.02 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
X2G56

Tgt Ion: 96 Resp: 160312

Ion	Ratio	Lower	Upper
96	100		
61	155.6	109.5	203.3
98	63.1	44.0	81.6

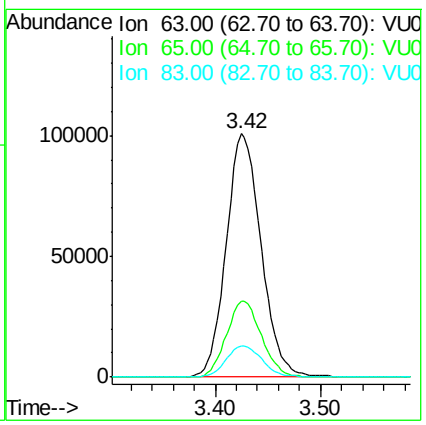


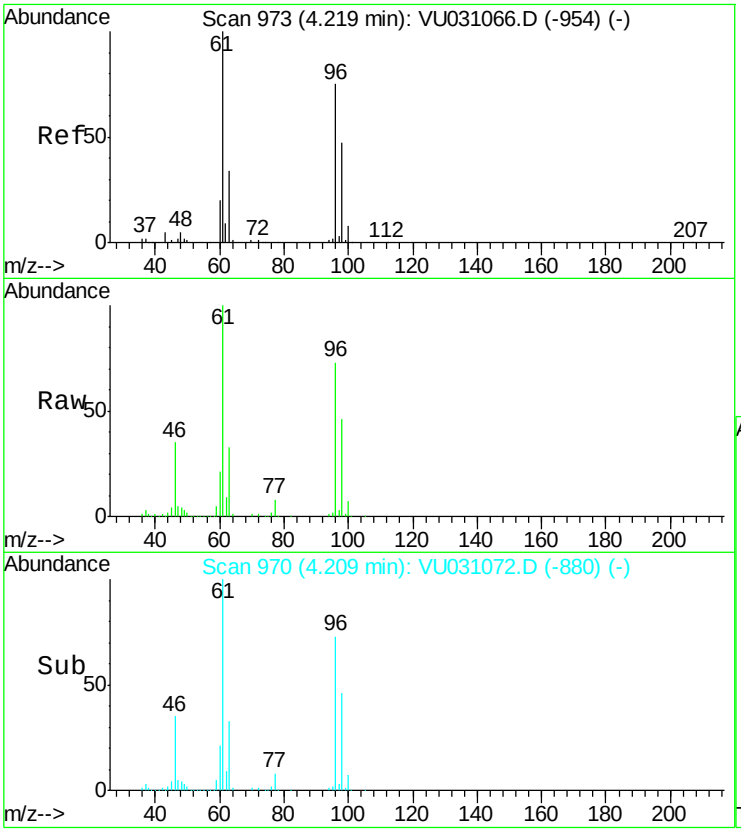


#19
1,1-Dichloroethane
Concen: 31.558 ug/L
RT: 3.42 min Scan# 726
Delta R.T. -0.02 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion: 63 Resp: 231320

Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.4	39.8
83	12.7	8.5	15.7



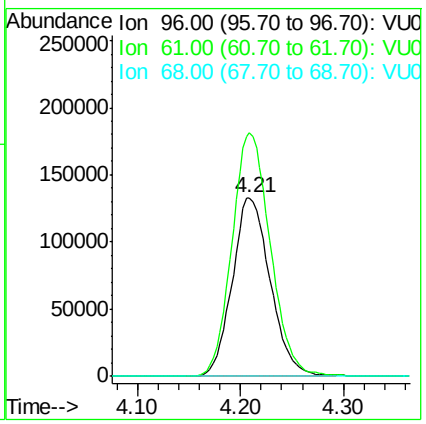


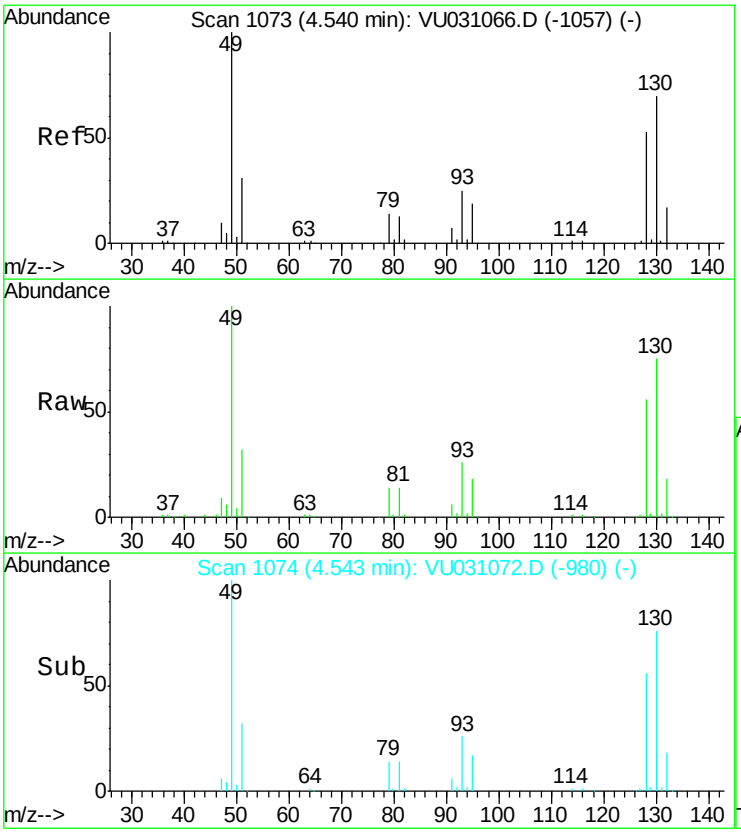
#20
cis-1,2-Dichloroethene
Concen: 86.744 ug/L
RT: 4.21 min Scan# 970
Delta R.T. -0.01 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
X2G56

Tgt Ion: 96 Resp: 340195

Ion	Ratio	Lower	Upper
96	100		
61	136.2	102.9	191.1
68	0.0	0.0	0.0

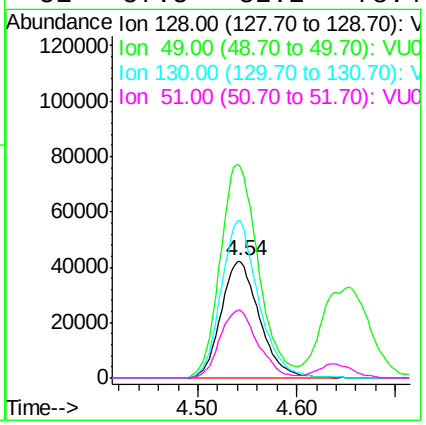


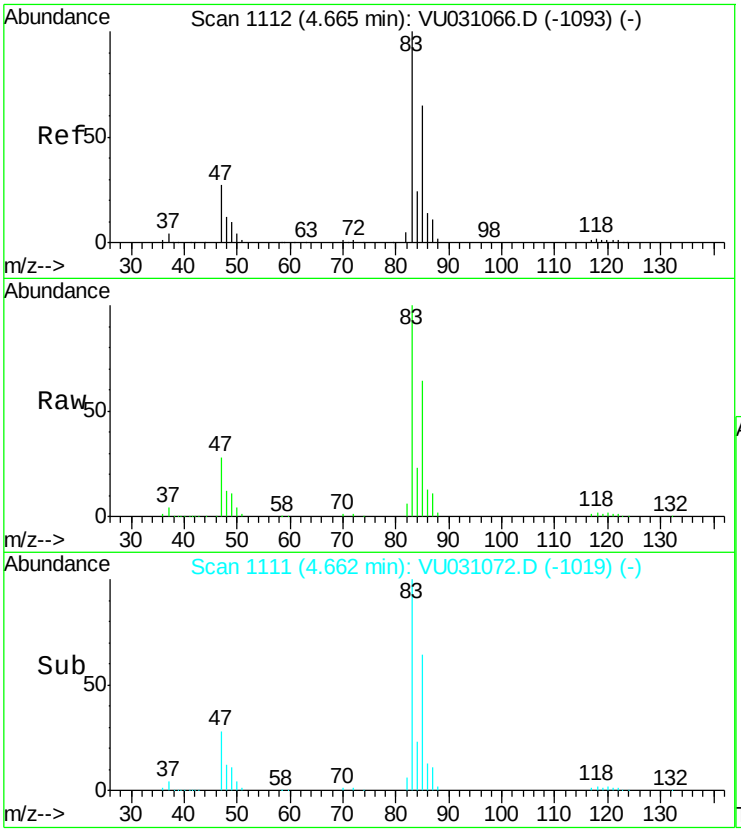


#23
Bromochloromethane
Concen: 61.614 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion:128 Resp: 114239

Ion	Ratio	Lower	Upper
128	100		
49	179.9	139.9	259.7
130	134.2	86.6	160.8
51	57.5	52.2	78.4



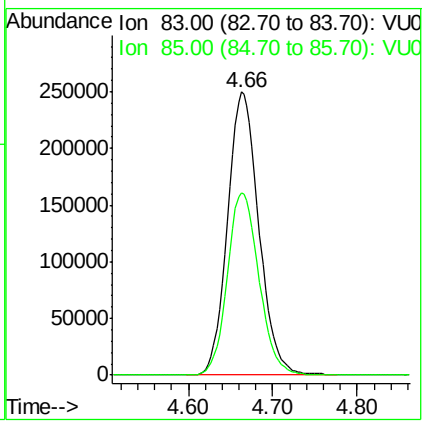


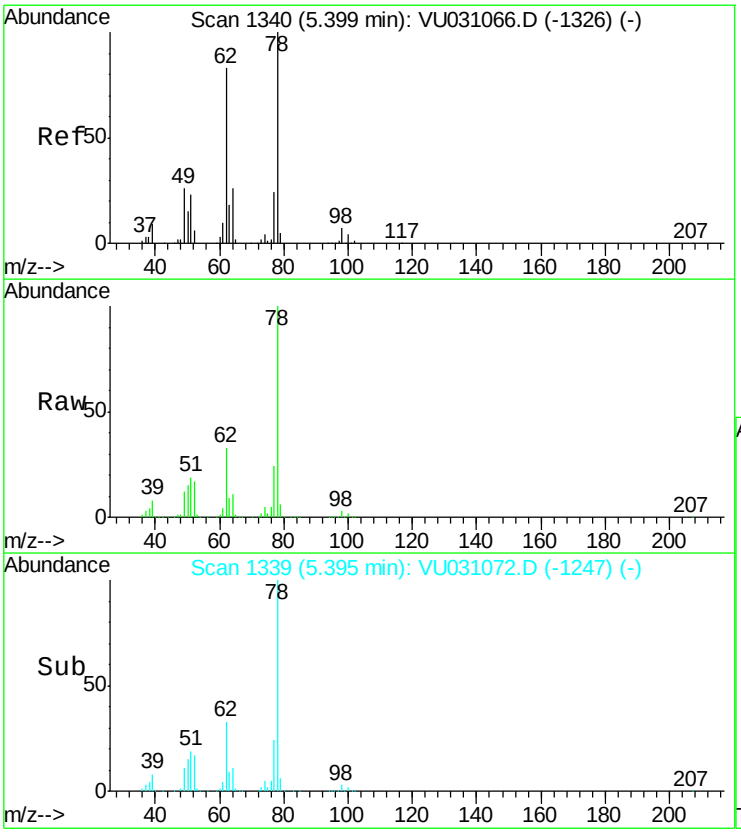
#25
Chloroform
Concen: 87.383 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument : MSVOA_U
ClientSampleId : X2G56

Tgt Ion: 83 Resp: 643758

Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.8	85.0

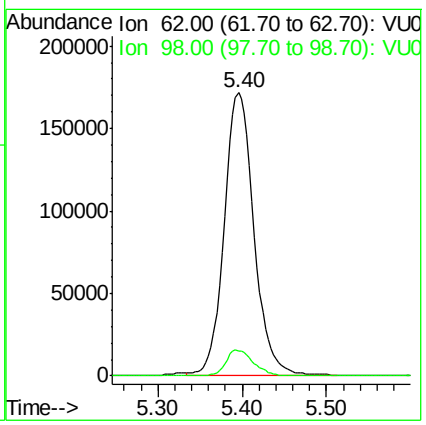


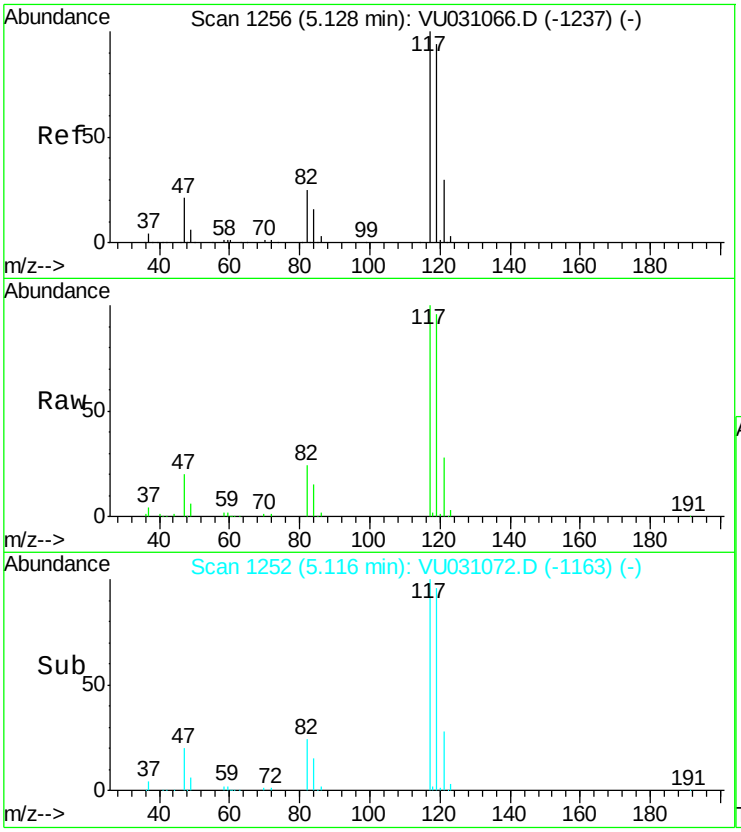


#27
1,2-Dichloroethane
Concen: 74.648 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion: 62 Resp: 419734

Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.2	10.8



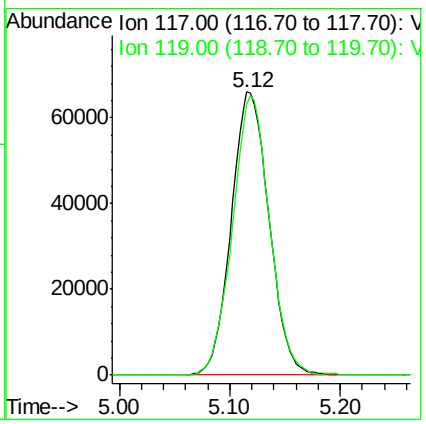


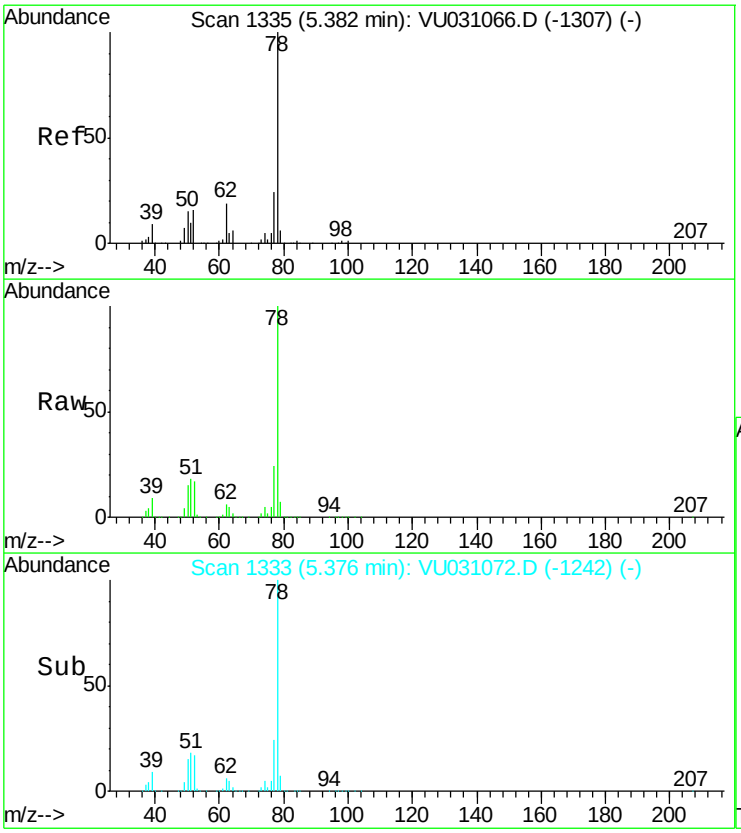
#31
Carbon tetrachloride
Concen: 30.712 ug/L
RT: 5.12 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
X2G56

Tgt Ion:117 Resp: 156400

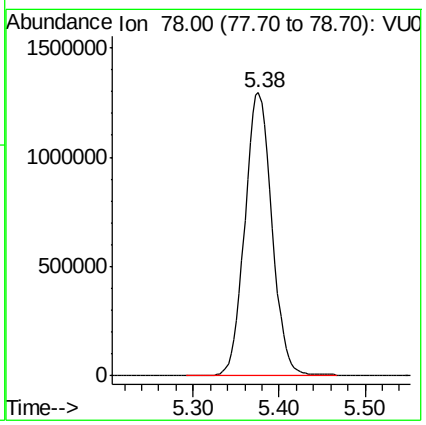
Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.2	114.2

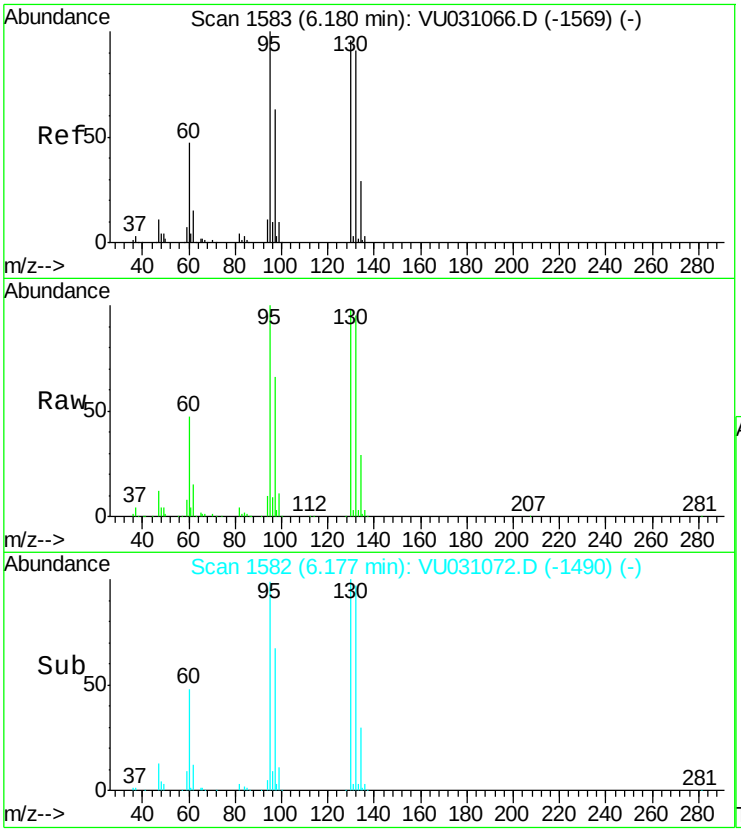




#33
Benzene
Concen: 179.456 ug/L
RT: 5.38 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion: 78 Resp: 2847649



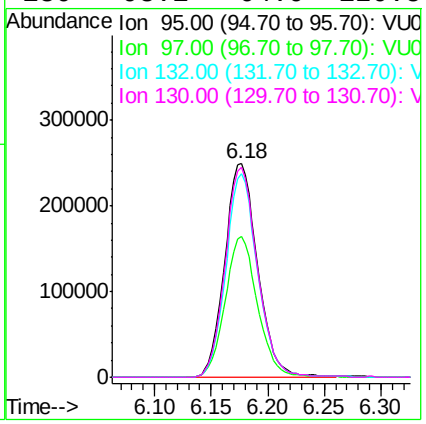


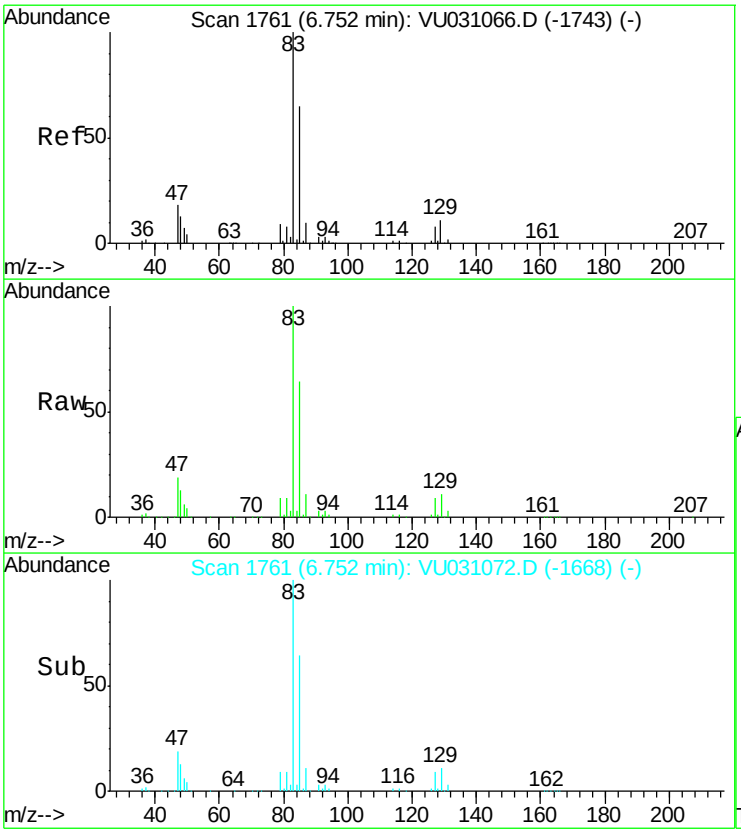
#34
Trichloroethene
Concen: 129.438 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument : MSVOA_U
ClientSampleId : X2G56

Tgt Ion: 95 Resp: 503768

Ion	Ratio	Lower	Upper
95	100		
97	65.7	44.5	82.7
132	95.3	61.5	114.1
130	98.1	64.9	120.5

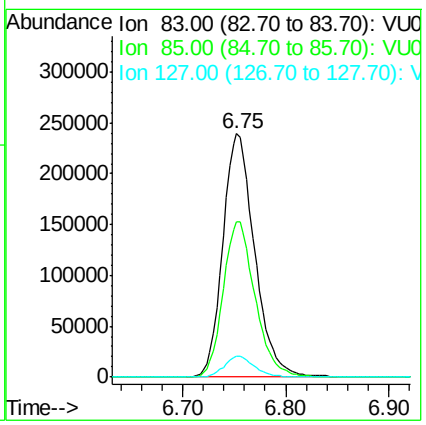


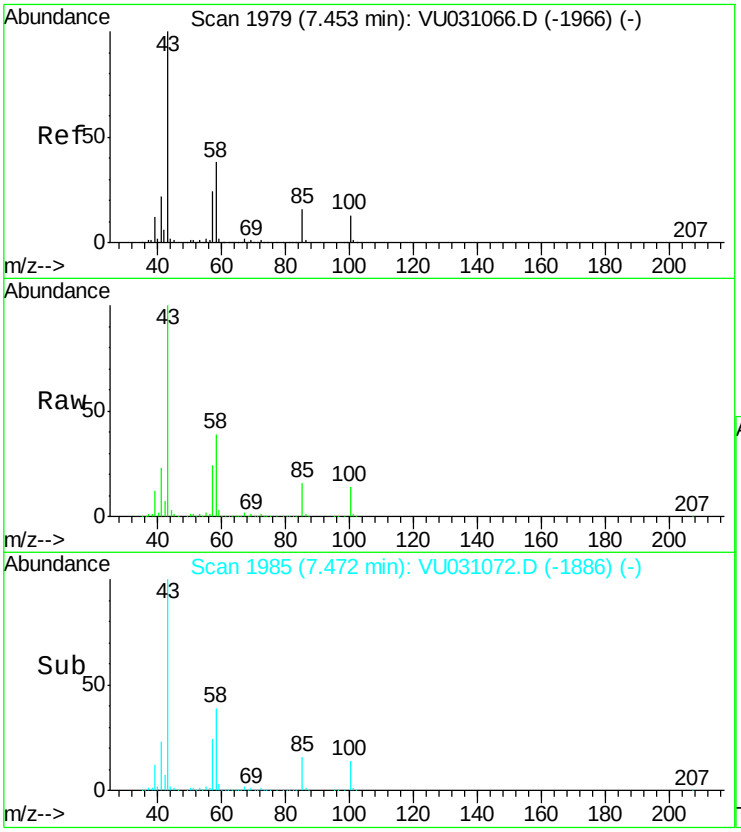


#38
Bromodichloromethane
Concen: 94.679 ug/L
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion: 83 Resp: 513211

Ion	Ratio	Lower	Upper
83	100		
85	63.7	46.5	86.3
127	8.7	6.6	10.0



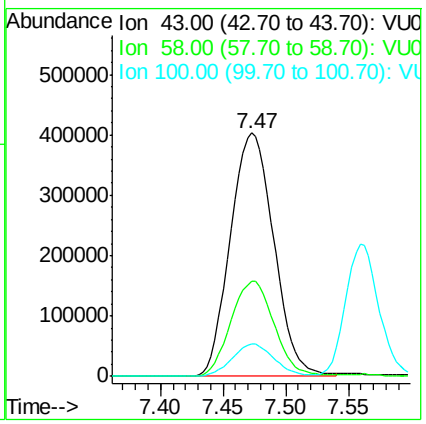


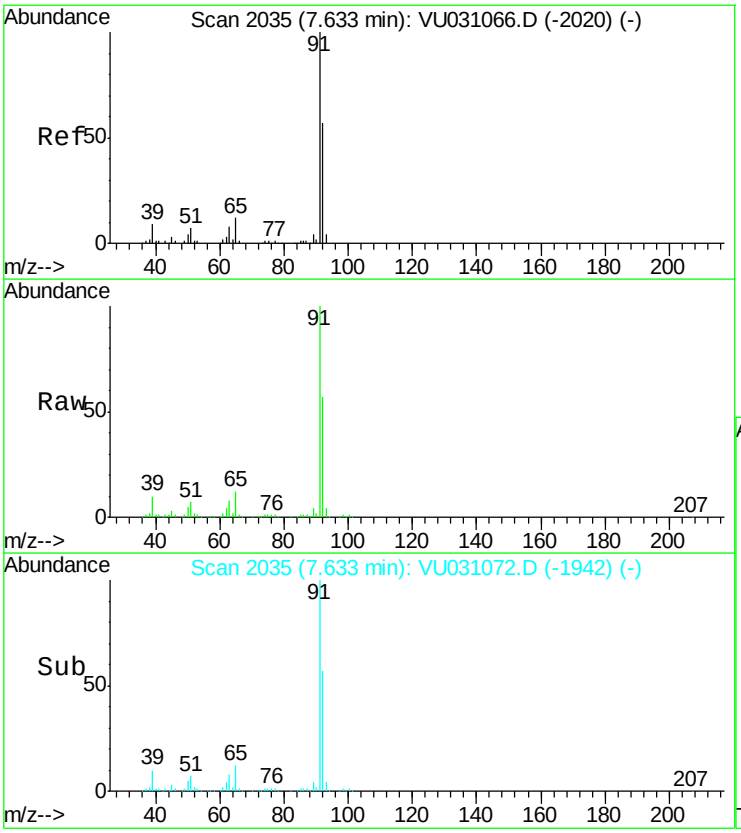
#40
4-Methyl-2-pentanone
Concen: 134.355 ug/L
RT: 7.47 min Scan# 1985
Delta R.T. 0.02 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
X2G56

Tgt Ion: 43 Resp: 970788

Ion	Ratio	Lower	Upper
43	100		
58	39.0	29.7	44.5
100	13.0	9.8	14.6

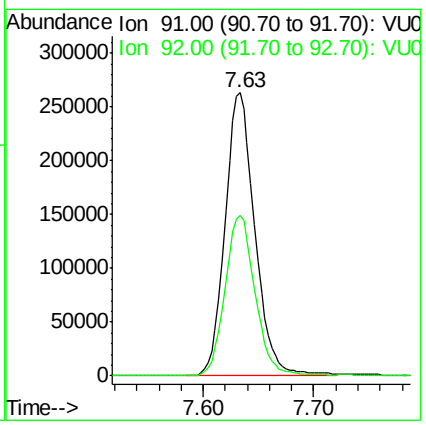


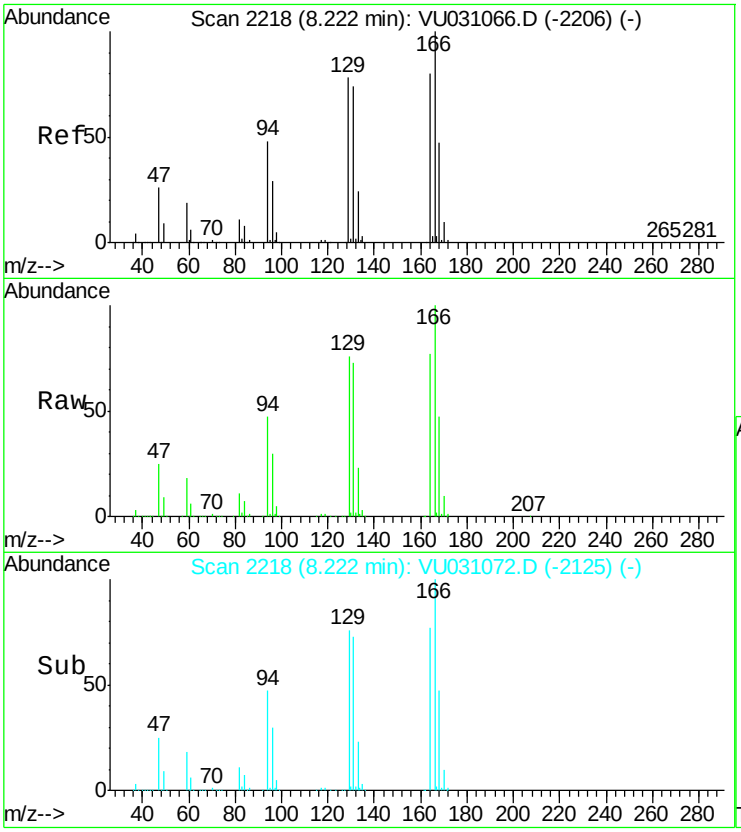


#42
Toluene
Concen: 30.445 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion: 91 Resp: 493137

Ion	Ratio	Lower	Upper
91	100		
92	56.8	40.0	74.4



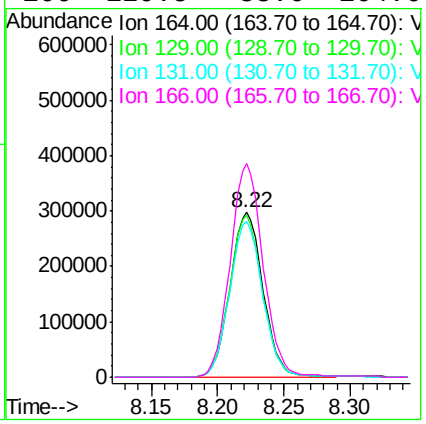


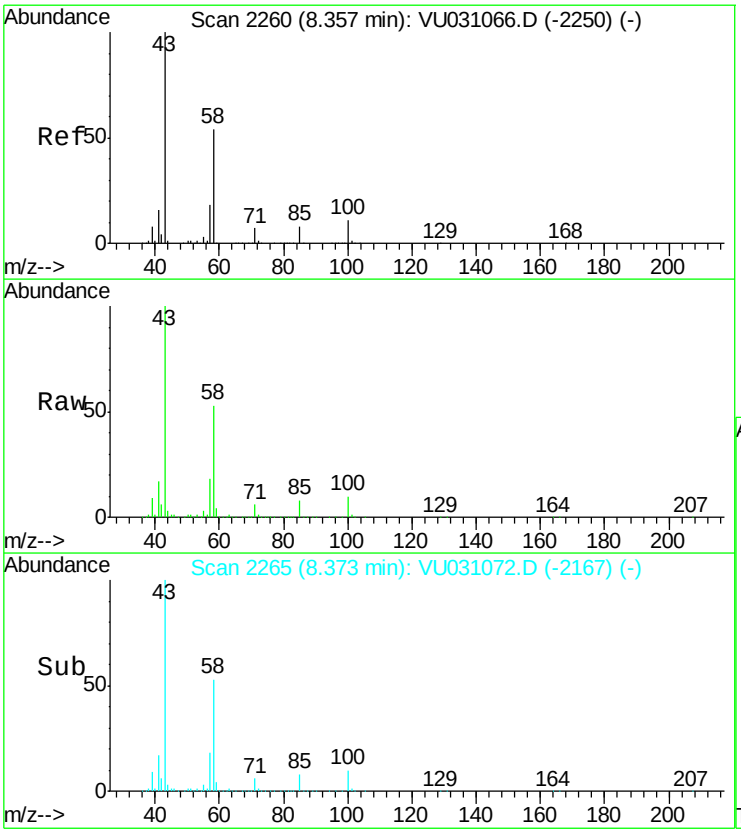
#46
Tetrachloroethene
Concen: 182.705 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
X2G56

Tgt Ion:164 Resp: 516977

Ion	Ratio	Lower	Upper
164	100		
129	98.2	67.4	125.2
131	94.5	65.9	122.5
166	129.5	88.6	164.6

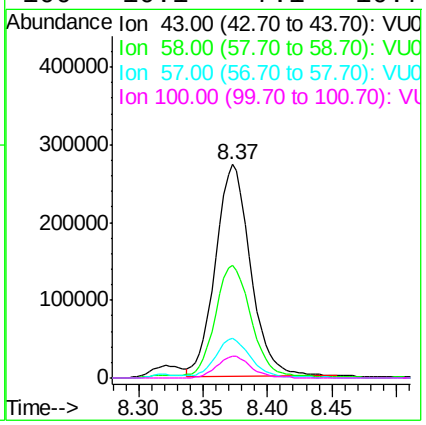


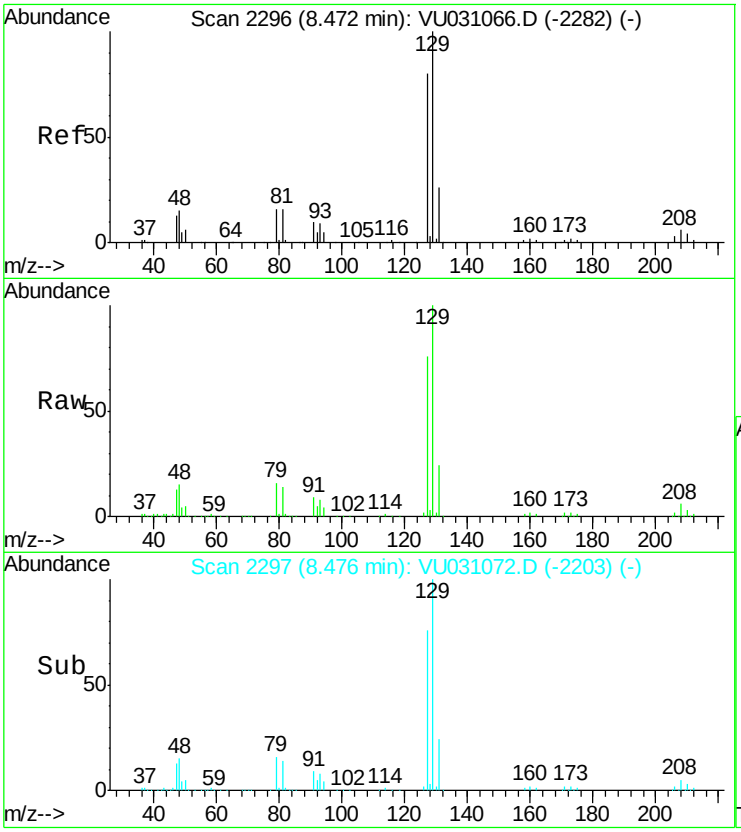


#48
2-Hexanone
Concen: 91.518 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.02 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion: 43 Resp: 515911

Ion	Ratio	Lower	Upper
43	100		
58	54.0	41.9	62.9
57	17.8	14.3	21.5
100	10.1	7.1	10.7



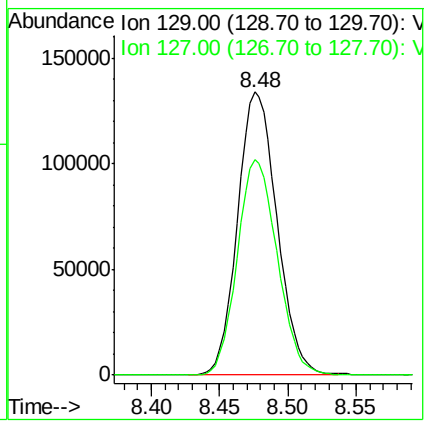


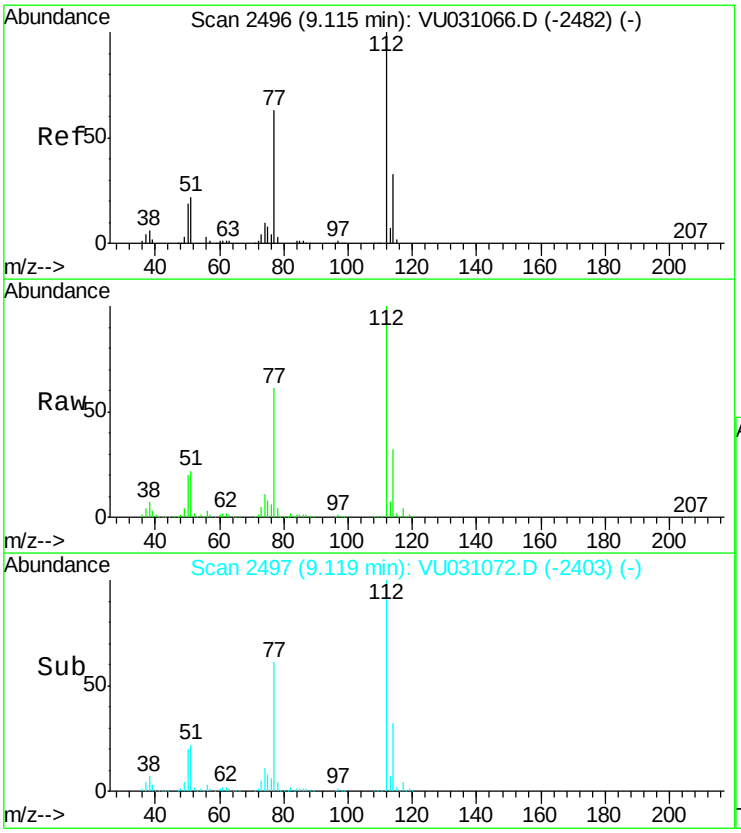
#49
Dibromochloromethane
Concen: 66.550 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
X2G56

Tgt Ion:129 Resp: 269101

Ion	Ratio	Lower	Upper
129	100		
127	75.9	54.5	101.3

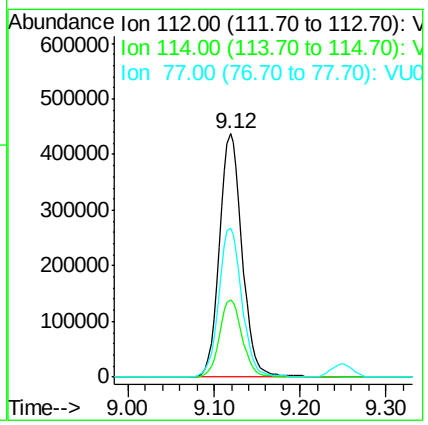


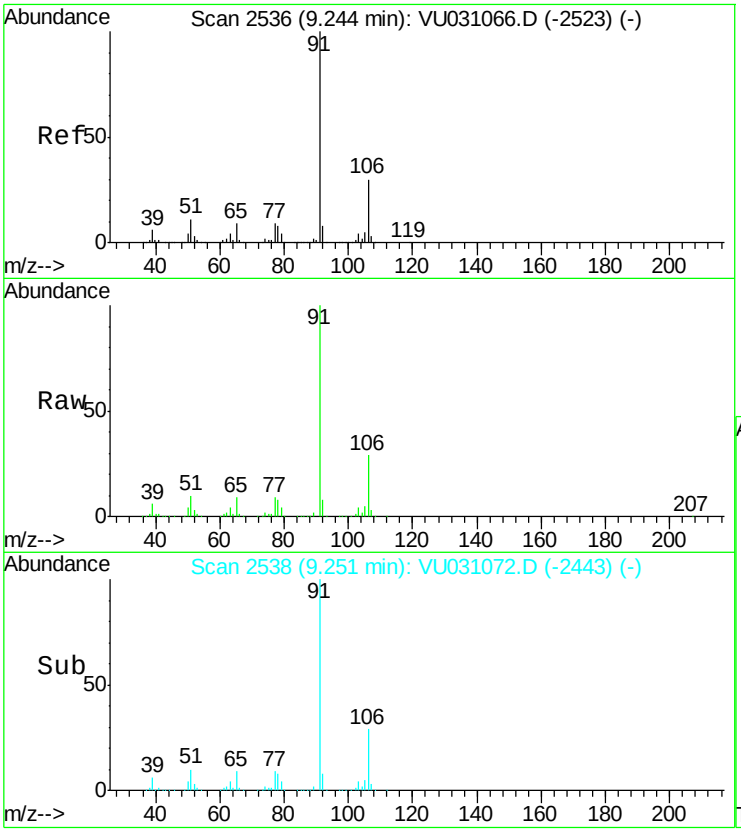


#51
Chlorobenzene
Concen: 80.740 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion:112 Resp: 802111

Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	61.4	51.7	77.5



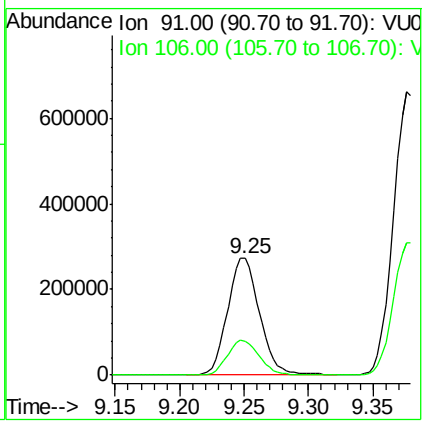


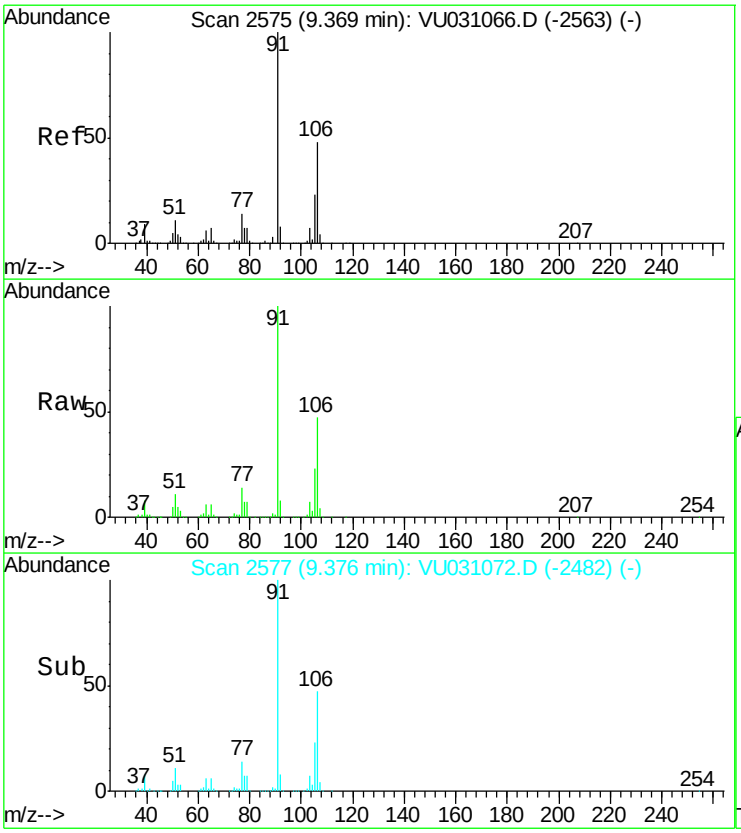
#52
Ethylbenzene
Concen: 26.735 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.01 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument : MSVOA_U
ClientSampleId : X2G56

Tgt Ion: 91 Resp: 472042

Ion	Ratio	Lower	Upper
91	100		
106	29.2	20.4	37.8

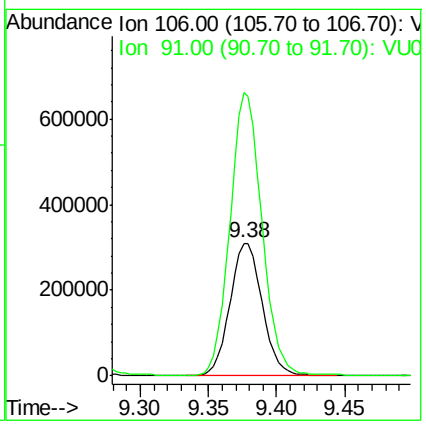


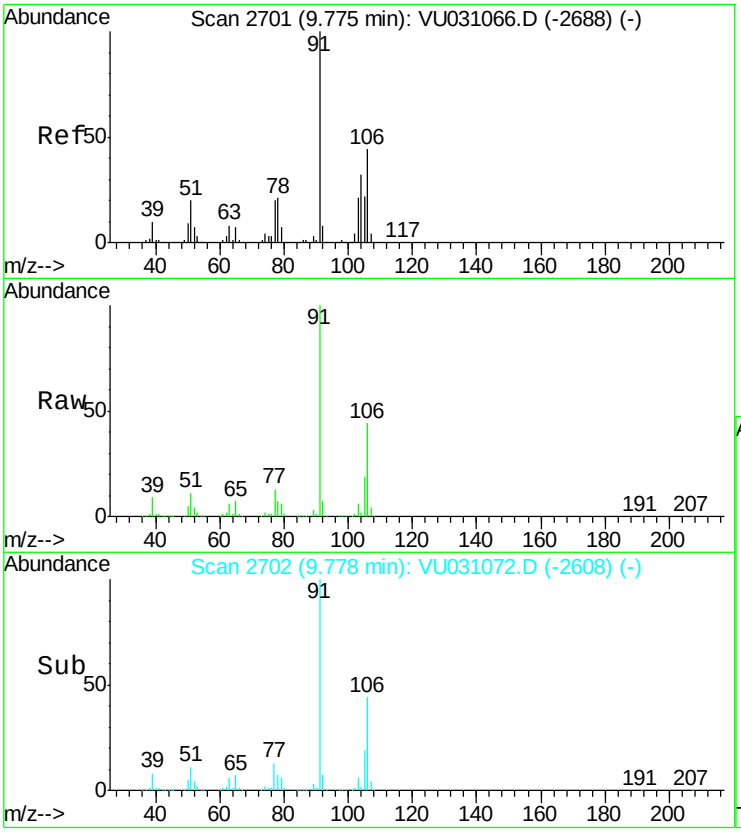


#53
m,p-Xylene
Concen: 82.701 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.01 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion:106 Resp: 509261

Ion	Ratio	Lower	Upper
106	100		
91	212.9	148.0	274.8



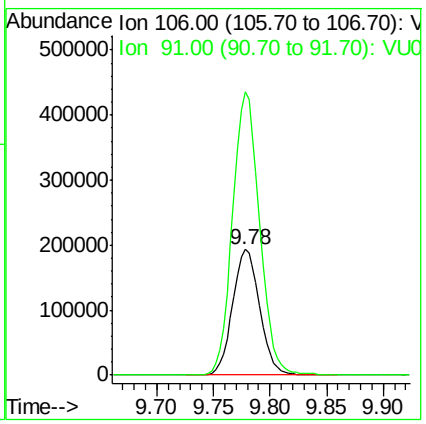


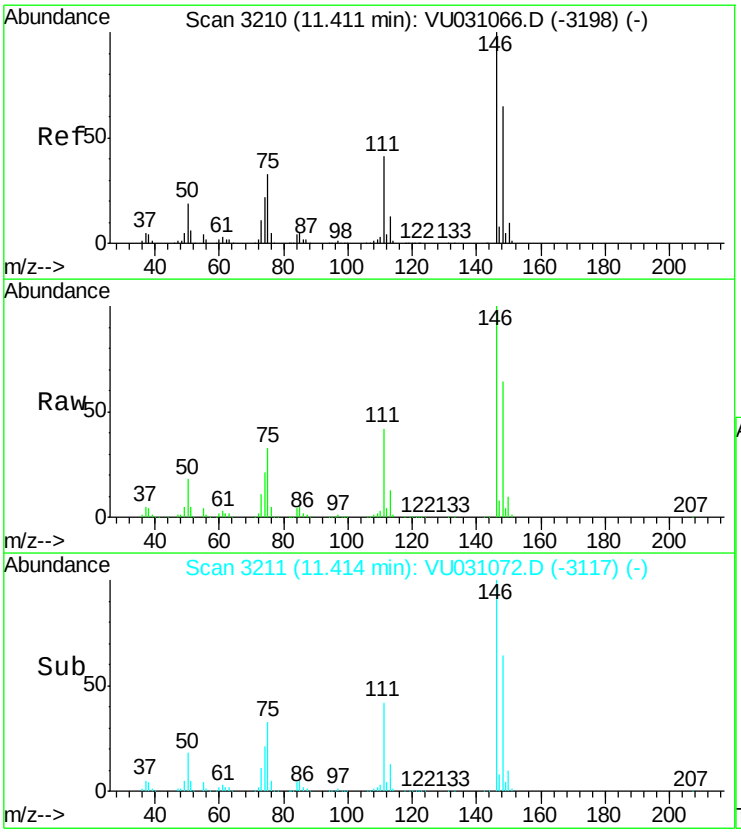
#54
o-xylene
Concen: 52.878 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument : MSVOA_U
ClientSampleId : X2G56

Tgt Ion:106 Resp: 323884

Ion	Ratio	Lower	Upper
106	100		
91	225.5	156.7	290.9

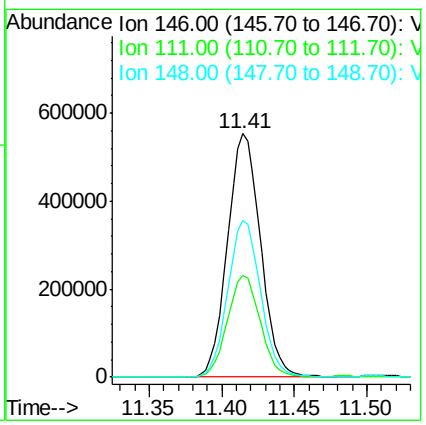


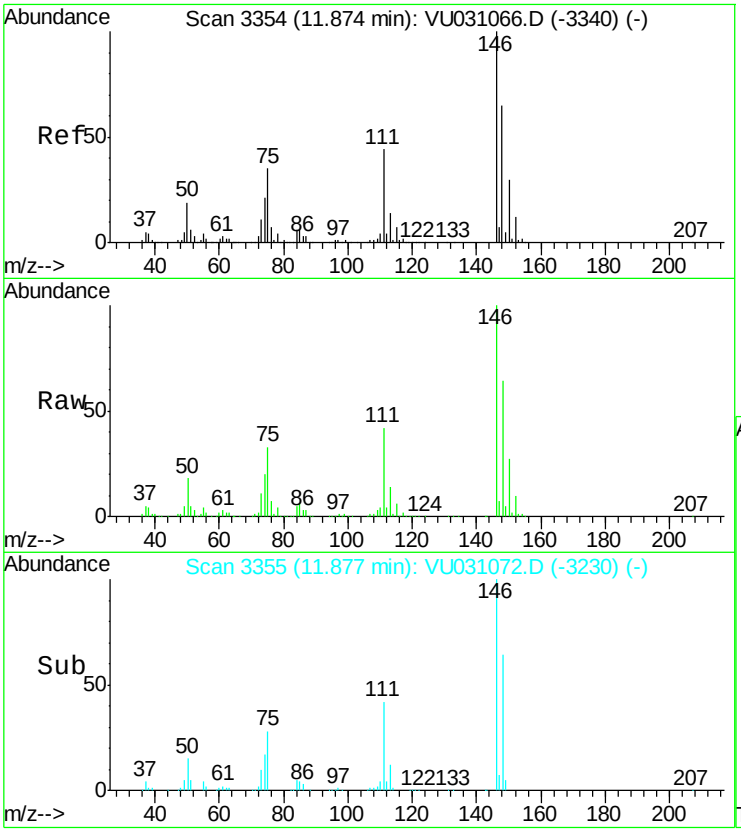


#62
1,3-Dichlorobenzene
Concen: 107.659 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion:146 Resp: 877050

Ion	Ratio	Lower	Upper
146	100		
111	41.8	30.9	57.5
148	64.2	44.7	82.9



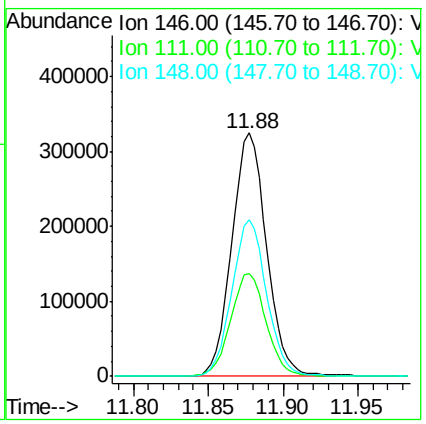


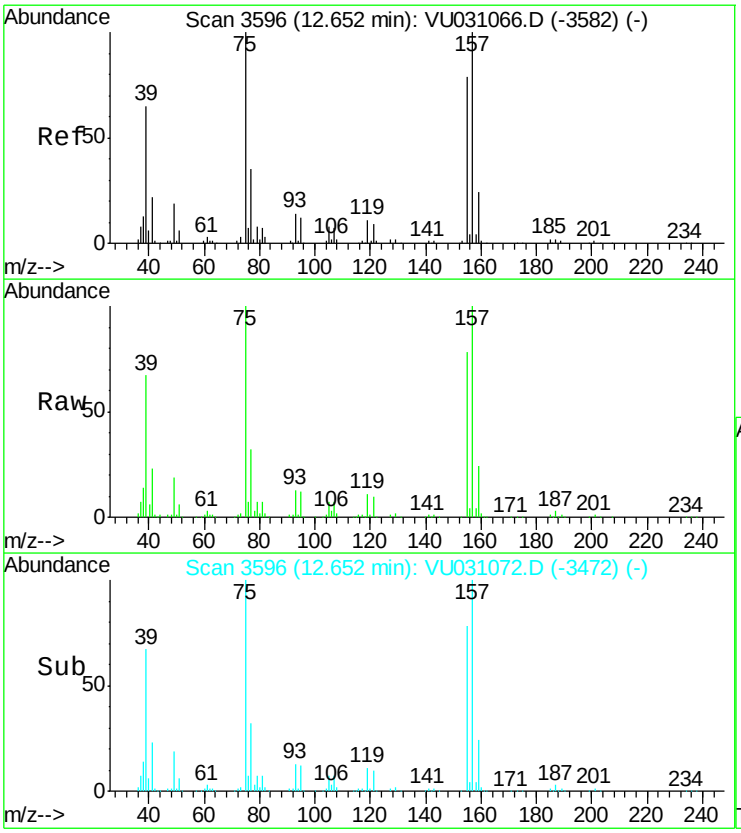
#65
1,2-Dichlorobenzene
Concen: 64.236 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
X2G56

Tgt Ion:146 Resp: 524922

Ion	Ratio	Lower	Upper
146	100		
111	42.4	34.9	52.3
148	64.2	50.4	75.6

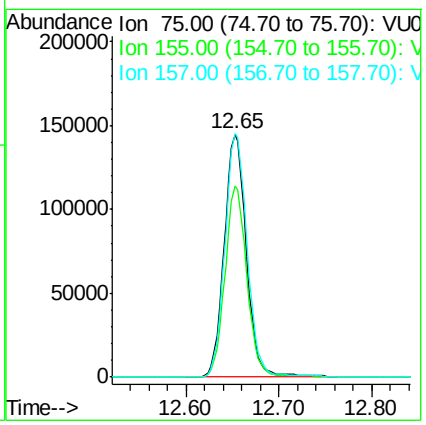


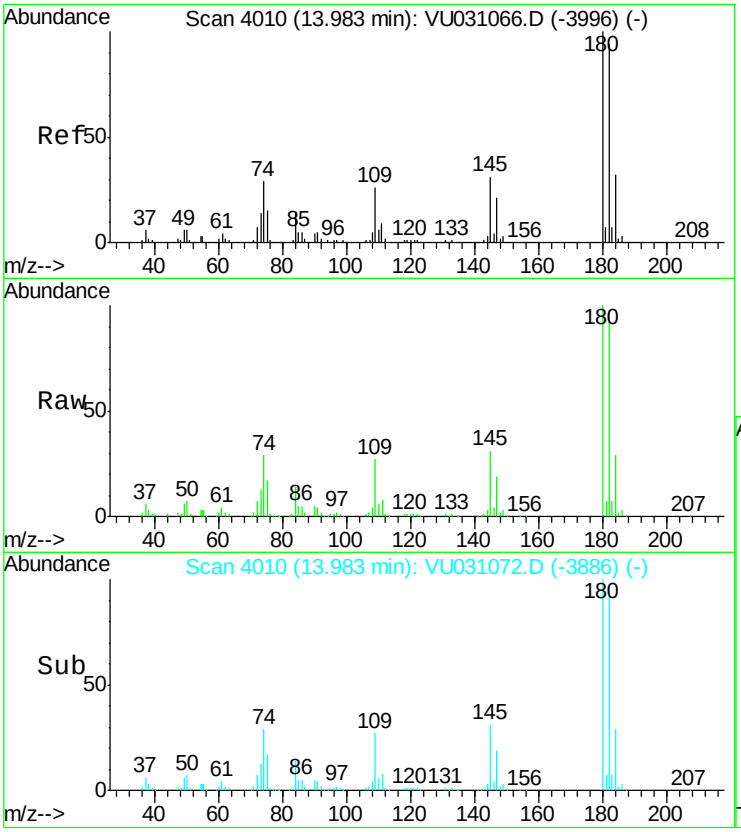


#66
1,2-Dibromo-3-chloropropane
Concen: 138.302 ug/L
RT: 12.65 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Tgt Ion: 75 Resp: 240255

Ion	Ratio	Lower	Upper
75	100		
155	78.7	64.1	96.1
157	100.4	80.6	120.8





#70
1,2,3-Trichlorobenzene
Concen: 42.718 ug/L
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031072.D
Acq: 11 Apr 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
X2G56

Tgt Ion:180 Resp: 225925

Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.1	117.1
145	29.8	26.6	40.0