Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3161-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Time: Jun 29 23:42:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 29 23:41:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	351751	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	322004	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	176597	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	97242	46.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.50%			
7) Chloroethane-d5	1.67	69	79967	46.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.22%			
11) 1,1-Dichloroethene-d2	2.27	63	227784	49.66	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.32%			
21) 2-Butanone-d5	4.17	46	162728	92.59	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.59%			
24) Chloroform-d	4.65	84	196697	43.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.34%			
26) 1,2-Dichloroethane-d4	5.31	65	148879	46.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.24%			
32) Benzene-d6	5.34	84	410597	46.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.94%			
36) 1,2-Dichloropropane-d6	6.33	67	130723	46.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 92.90%			
41) Toluene-d8	7.57	98	400306	46.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.62%			
43) trans-1,3-Dichloropropene-	7.85	79	64693	45.85	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.70%			
47) 2-Hexanone-d5	8.31	63	123380	96.07	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.07%			
57) 1,1,2,2-Tetrachloroethane-	10.44	84	189336	47.48	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.96%			
64) 1,2-Dichlorobenzene-d4	11.86	152	182381	47.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.80%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	234032	85.788	ug/L	98
9) Trichlorofluoromethane	1.88	101	304721	76.490	ug/L	99
12) 1,1-Dichloroethene	2.28	96	129514	60.028	ug/L #	80
13) Acetone	2.33	43	3646	2.018	ug/L	67
18) Methyl tert-butyl Ether	3.00	73	608005	74.799	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	100214	37.145	ug/L	99
22) 2-Butanone	4.27	43	6031	2.822	ug/L #	59
25) Chloroform	4.68	83	13045	2.748	ug/L	92
33) Benzene	5.39	78	192540	19.716	ug/L	100
34) Trichloroethene	6.19	95	177894	68.480	ug/L	98
35) Methylcyclohexane	6.42	83	378049	87.208	ug/L	100
37) 1,2-Dichloropropane	6.43	63	52574	20.160	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	483930	128.802	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	73507	29.538	ug/L	98
46) Tetrachloroethene	8.23	164	109160	49.641	ug/L	99
48) 2-Hexanone	8.36	43	407192	136.231	ug/L	99
49) Dibromochloromethane	8.48	129	107410	36.781	ug/L	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3161-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Time: Jun 29 23:42:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 29 23:41:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-Dibromoethane	8.59	107	316590	115.015	ug/L		100
52) Ethylbenzene	9.25	91	840546	70.415	ug/L		99
54) o-xylene	9.78	106	140186	30.256	ug/L		97
56) Isopropylbenzene	10.17	105	943744	77.547	ug/L		100
62) 1,3-Dichlorobenzene	11.42	146	346335	58.538	ug/L		98
66) 1,2-Dibromo-3-chloropropan	12.89	75	36678	35.493	ug/L	#	1
67) 1,3,5-Trichlorobenzene	12.89	180	226580	51.585	ug/L		99
68) 1,2,4-trichlorobenzene	13.51	180	195286	53.180	ug/L		99

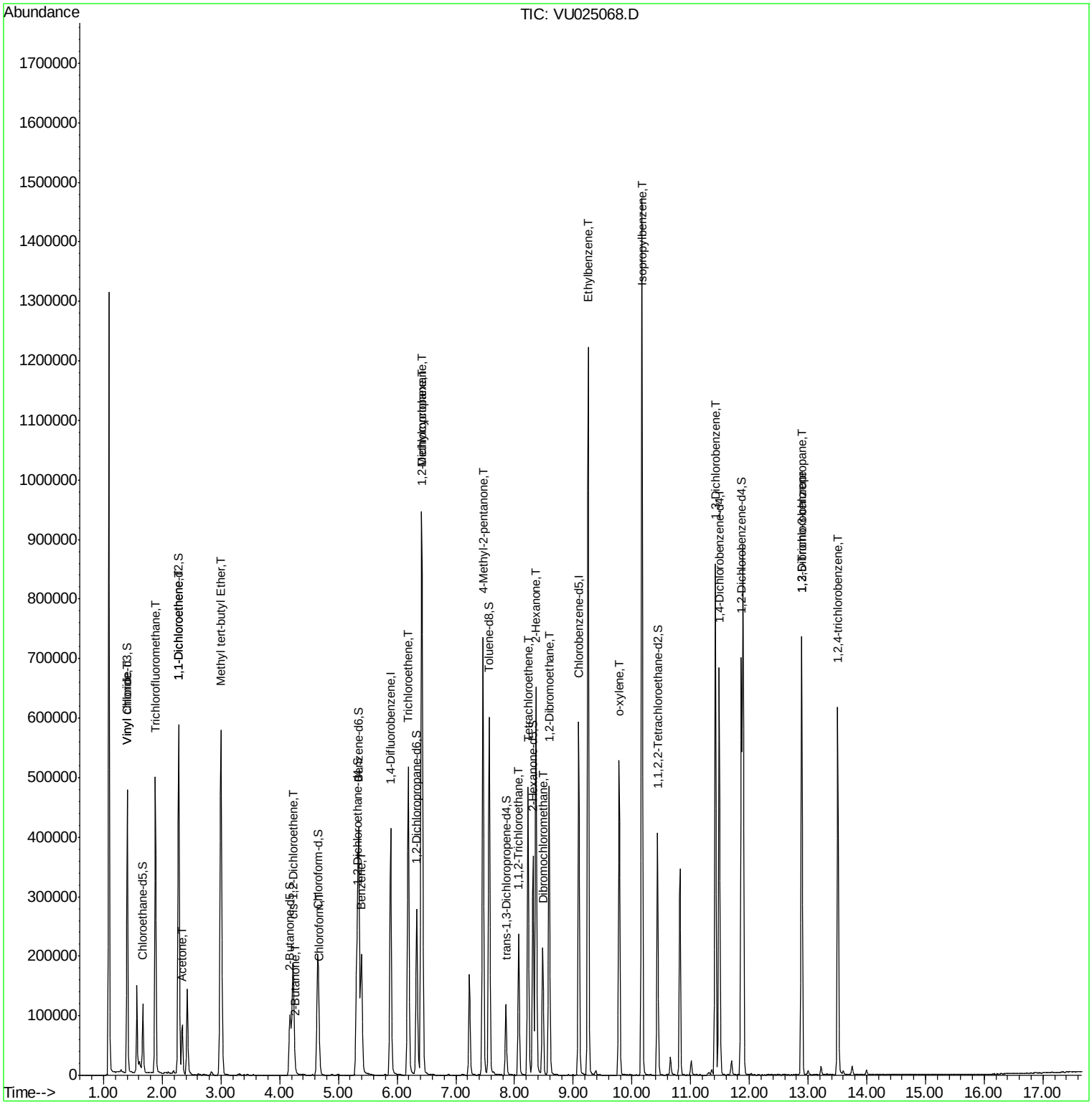
(#) = qualifier out of range (m) = manual integration (+) = signals summed

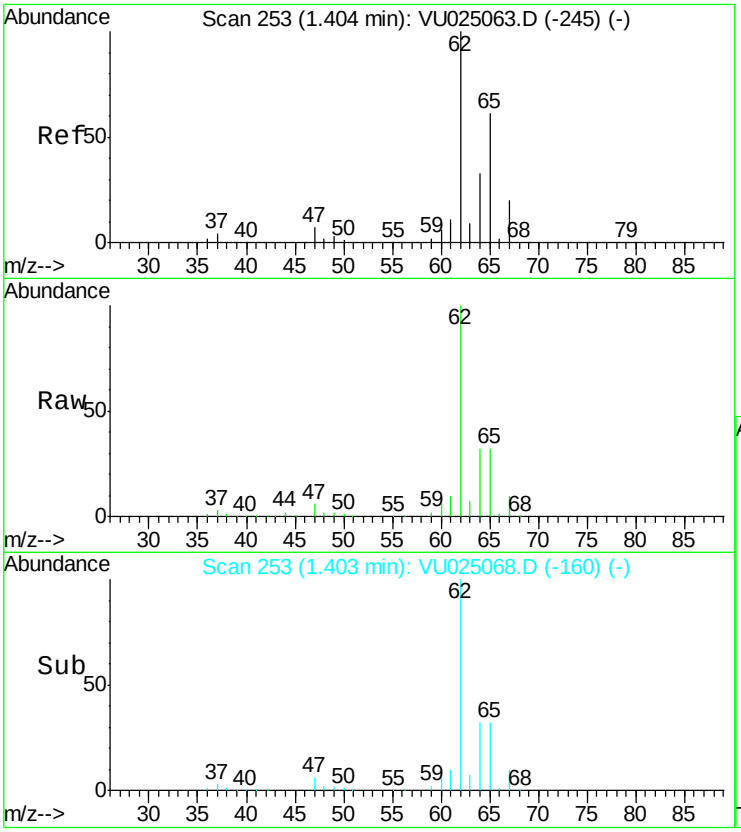
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3161-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Quant Time: Jun 29 23:42:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 29 23:41:20 2018
Response via : Initial Calibration



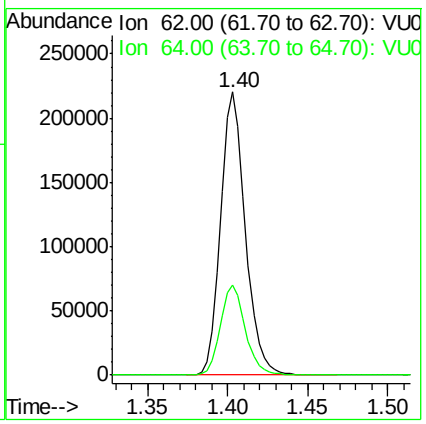


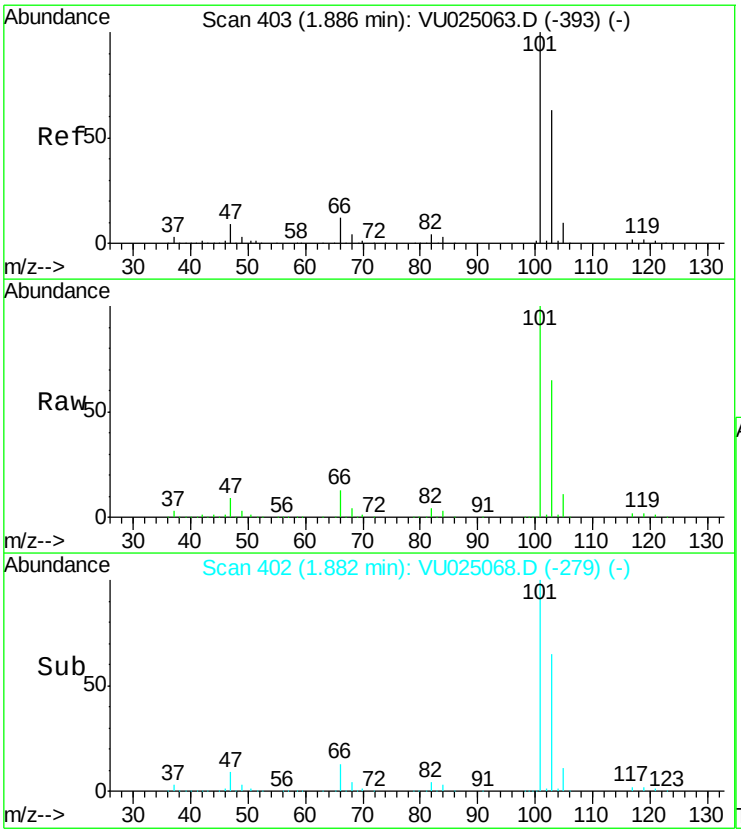
#5
Vinyl chloride
Concen: 85.788 ug/L
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion: 62 Resp: 234032

Ion	Ratio	Lower	Upper
62	100		
64	31.8	23.0	42.8

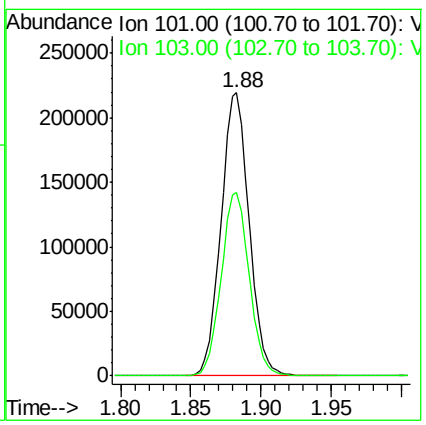


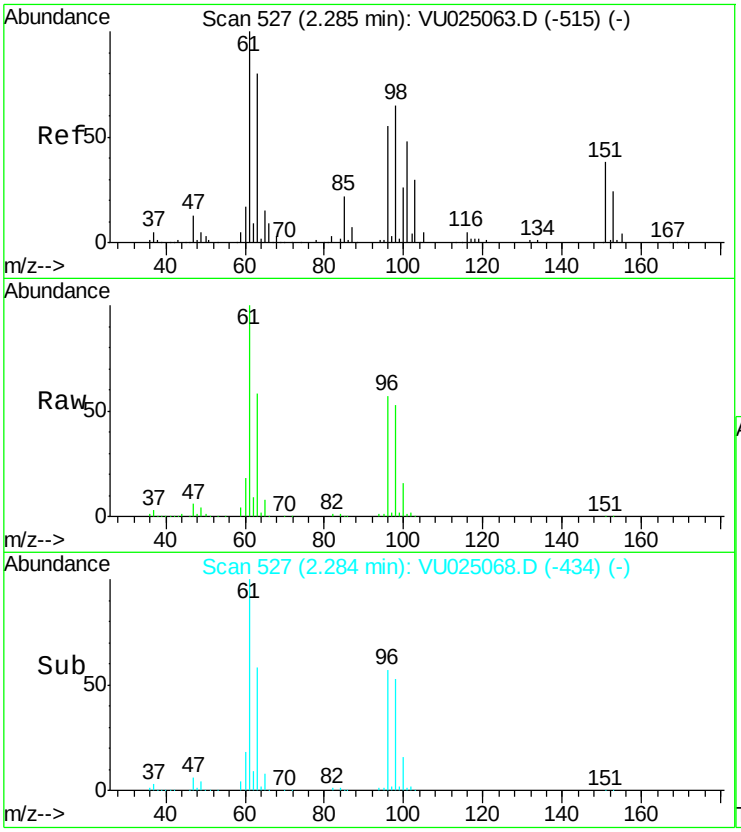


#9
Trichlorofluoromethane
Concen: 76.490 ug/L
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion:101 Resp: 304721

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.1	76.7



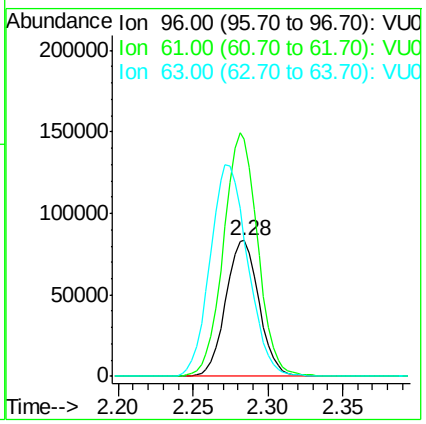


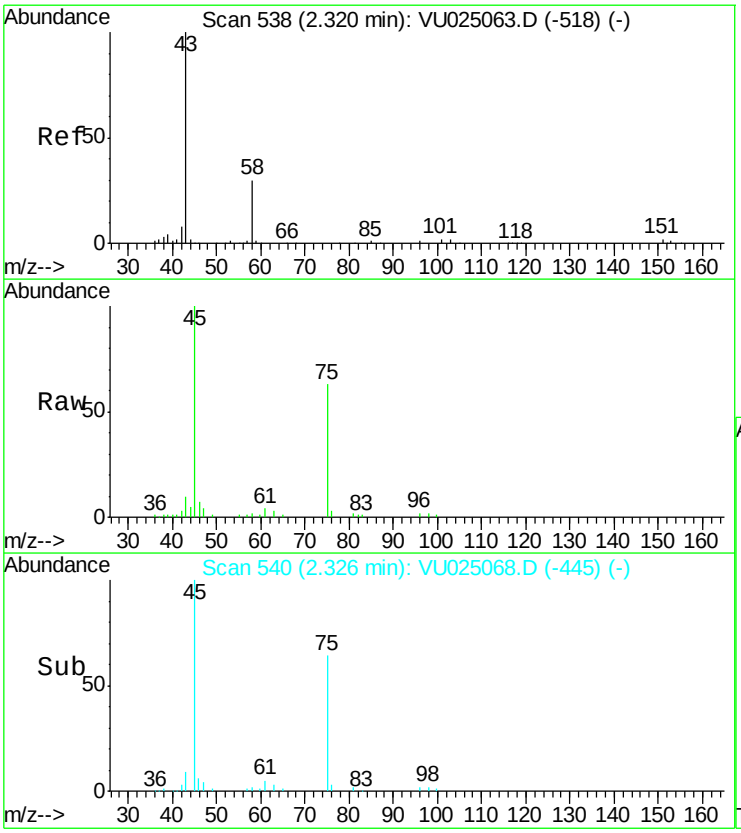
#12
1,1-Dichloroethene
Concen: 60.028 ug/L
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion: 96 Resp: 129514

Ion	Ratio	Lower	Upper
96	100		
61	174.5	128.1	237.9
63	100.5	103.6	192.4#

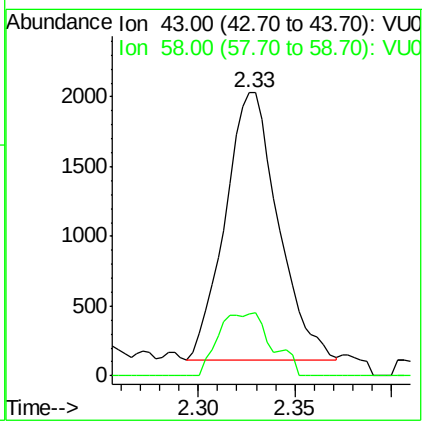


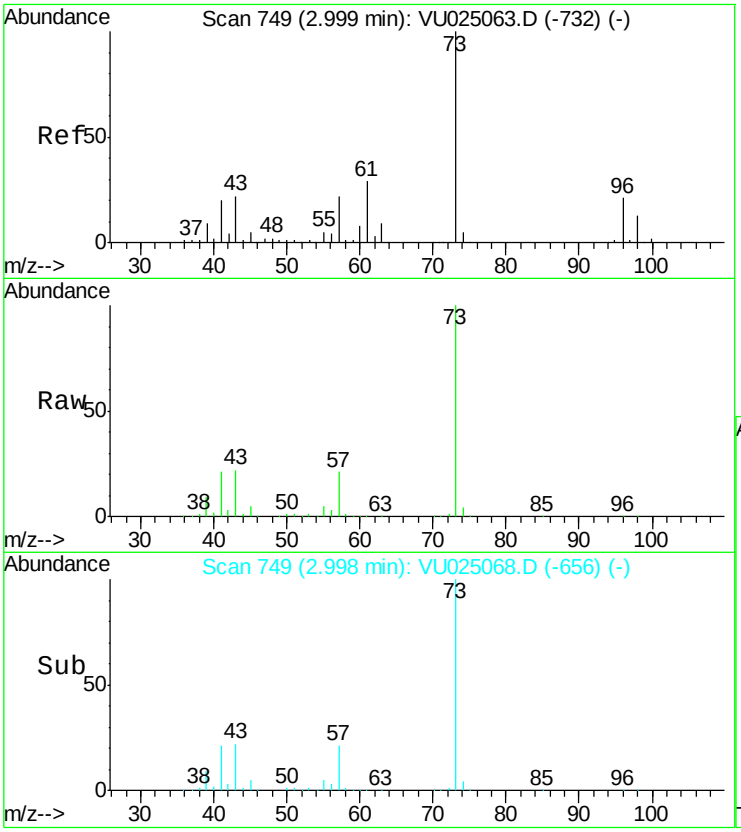


#13
Acetone
Concen: 2.018 ug/L
RT: 2.33 min Scan# 540
Delta R.T. 0.01 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion: 43 Resp: 3646

Ion	Ratio	Lower	Upper
43	100		
58	12.1	0.0	59.4



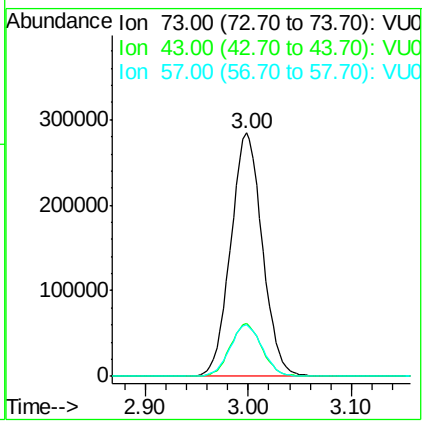


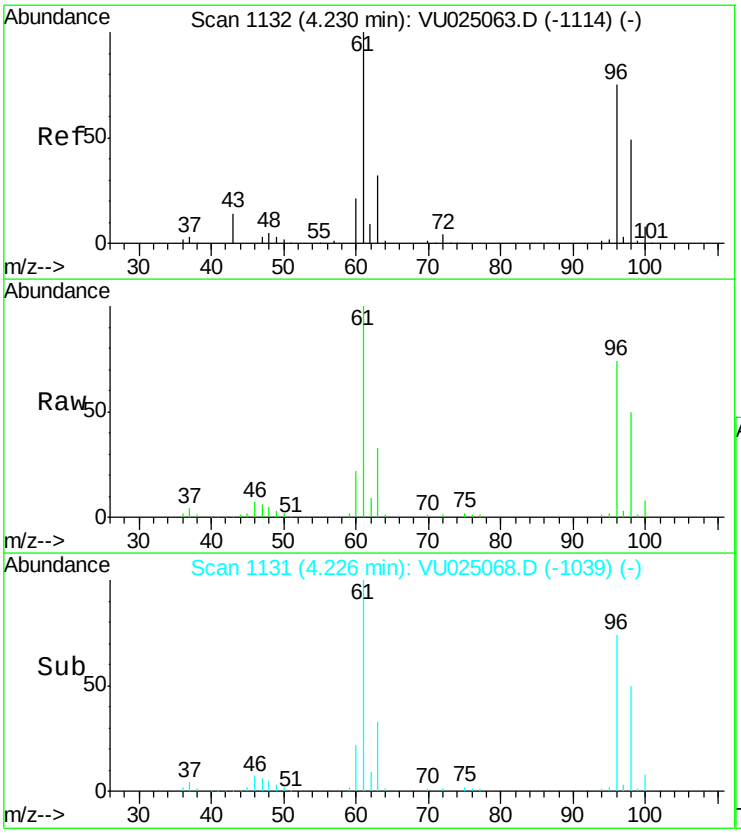
#18
Methyl tert-butyl Ether
Concen: 74.799 ug/L
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument : MSVOA_U
ClientSampleId : X2D19

Tgt Ion: 73 Resp: 608005

Ion	Ratio	Lower	Upper
73	100		
43	21.7	17.2	25.8
57	21.7	17.2	25.8

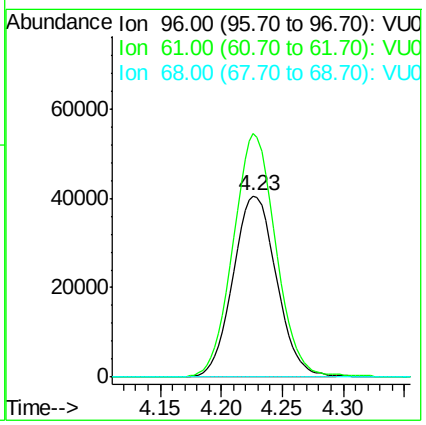


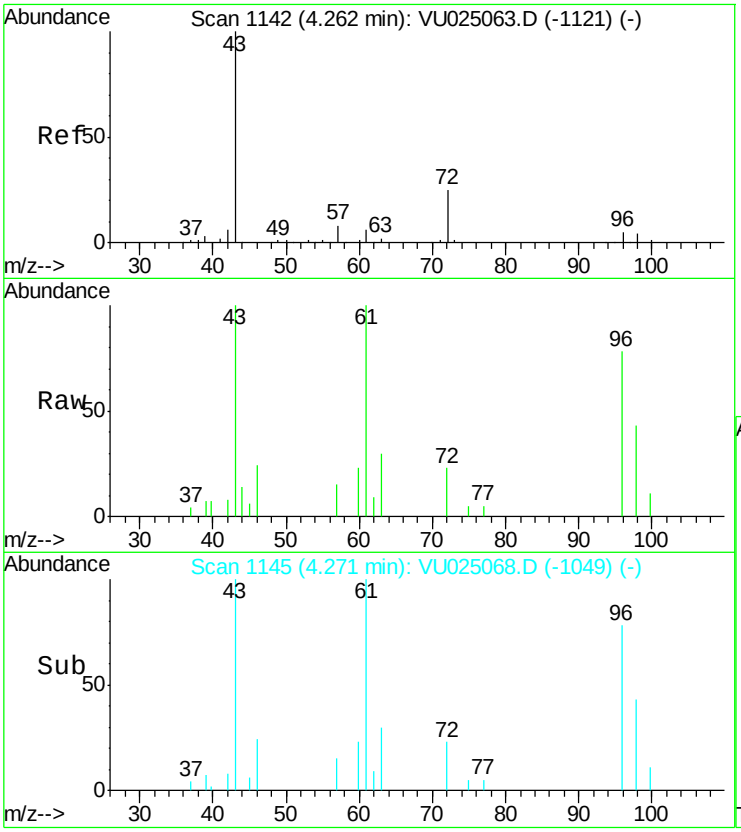


#20
cis-1,2-Dichloroethene
Concen: 37.145 ug/L
RT: 4.23 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion: 96 Resp: 100214

Ion	Ratio	Lower	Upper
96	100		
61	134.6	93.4	173.6
68	0.0	0.0	0.0



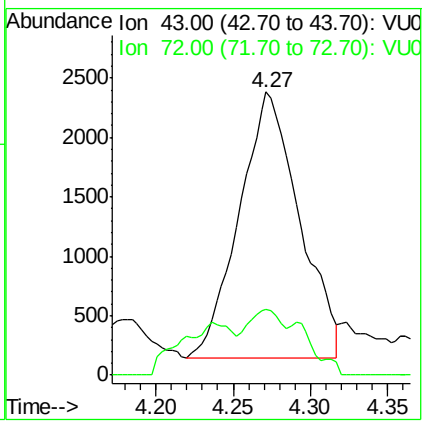


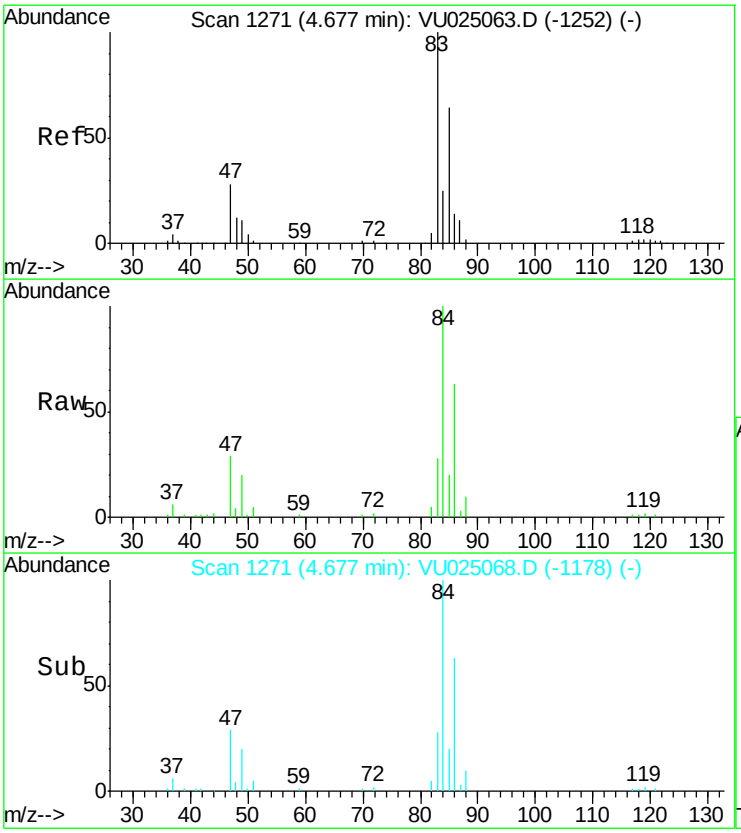
#22
2-Butanone
Concen: 2.822 ug/L
RT: 4.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument : MSVOA_U
ClientSampleId : X2D19

Tgt Ion: 43 Resp: 6031

Ion	Ratio	Lower	Upper
43	100		
72	5.9	13.7	41.0#

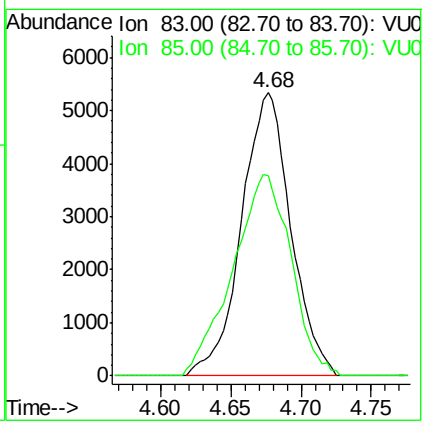


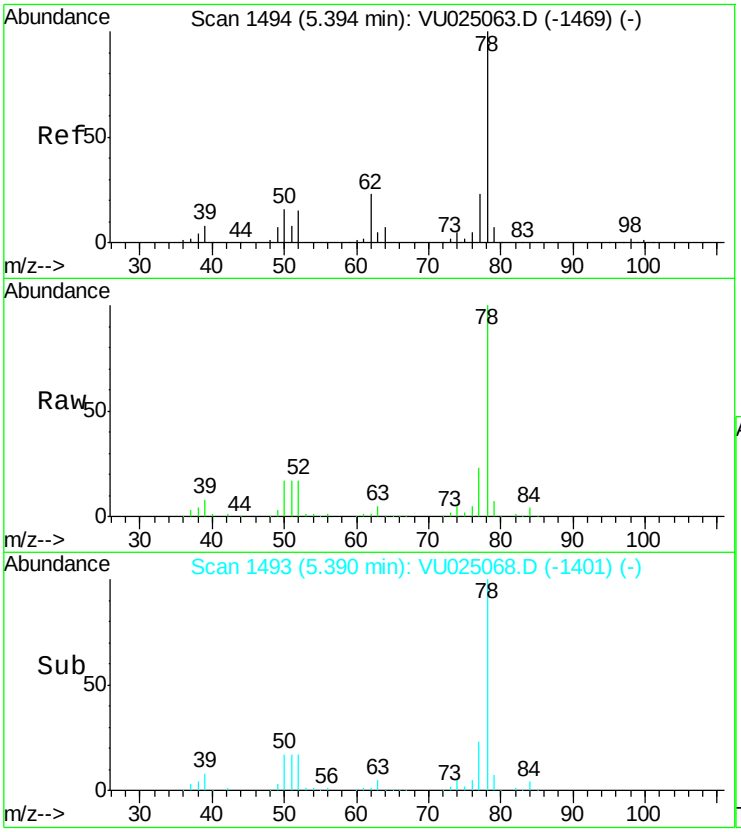


#25
Chloroform
Concen: 2.748 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion: 83 Resp: 13045

Ion	Ratio	Lower	Upper
83	100		
85	70.5	44.7	83.1

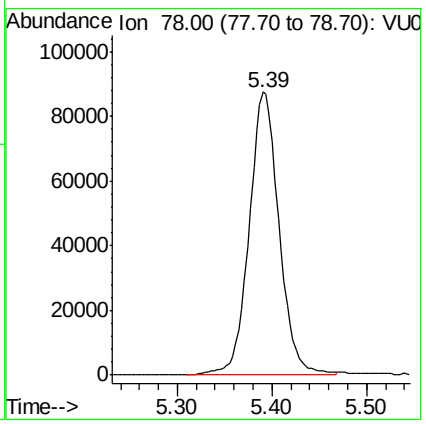


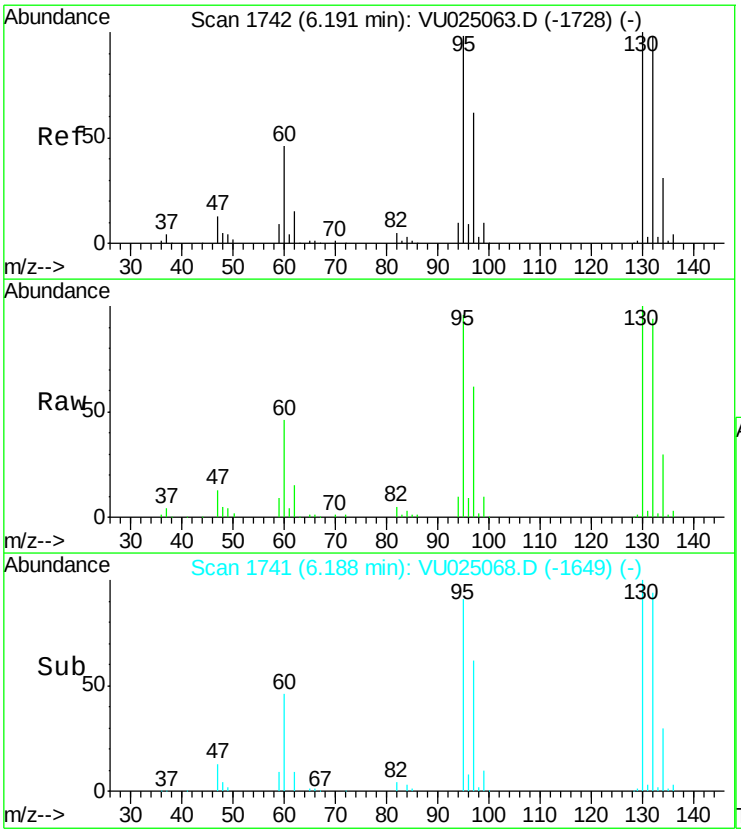


#33
Benzene
Concen: 19.716 ug/L
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion: 78 Resp: 192540

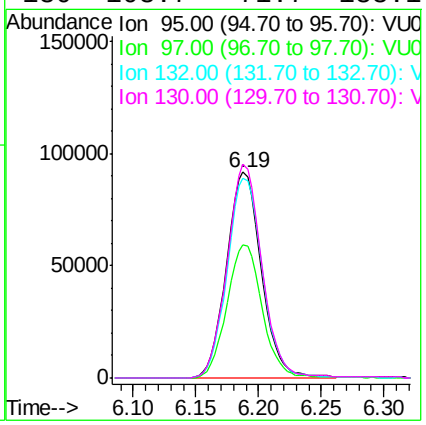


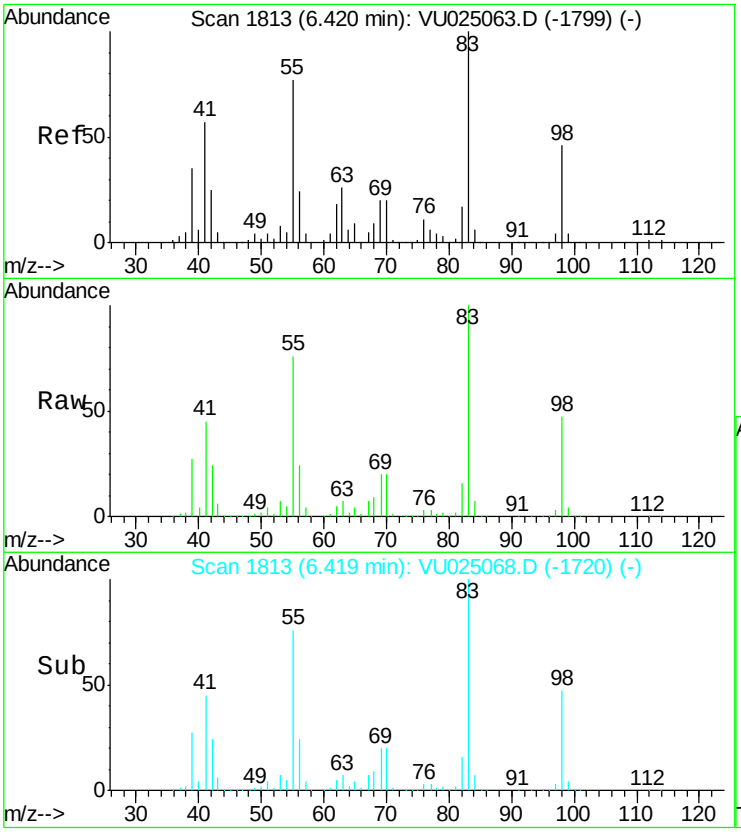


#34
Trichloroethene
Concen: 68.480 ug/L
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion: 95 Resp: 177894

Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.1	81.9
132	97.0	70.2	130.4
130	103.7	71.7	133.1



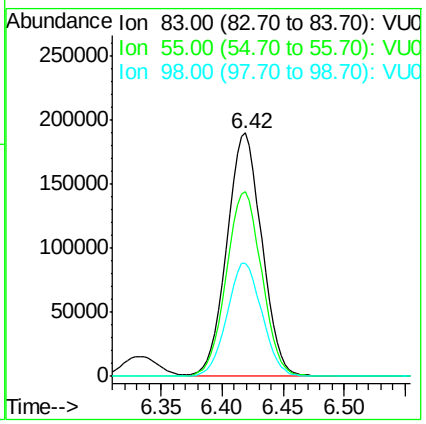


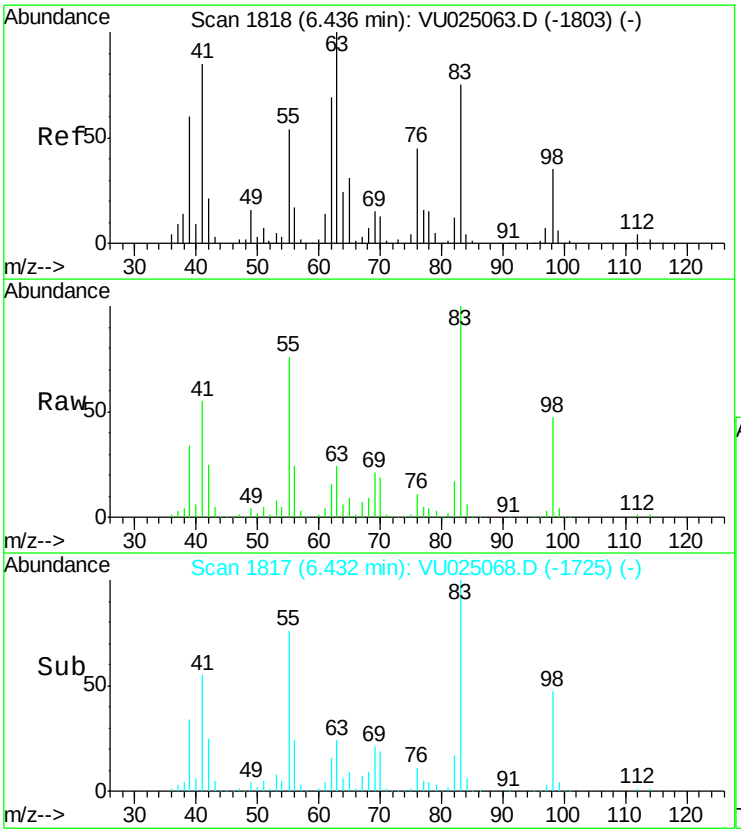
#35
Methylcyclohexane
Concen: 87.208 ug/L
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion: 83 Resp: 378049

Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.8	92.6
98	46.5	37.4	56.0

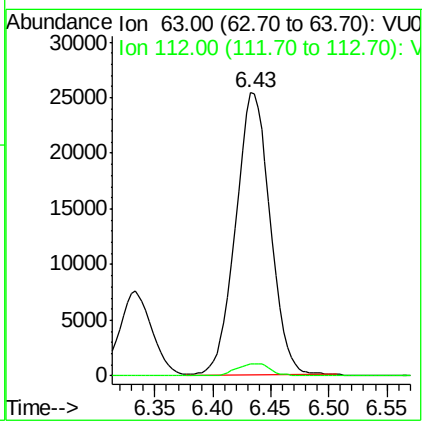


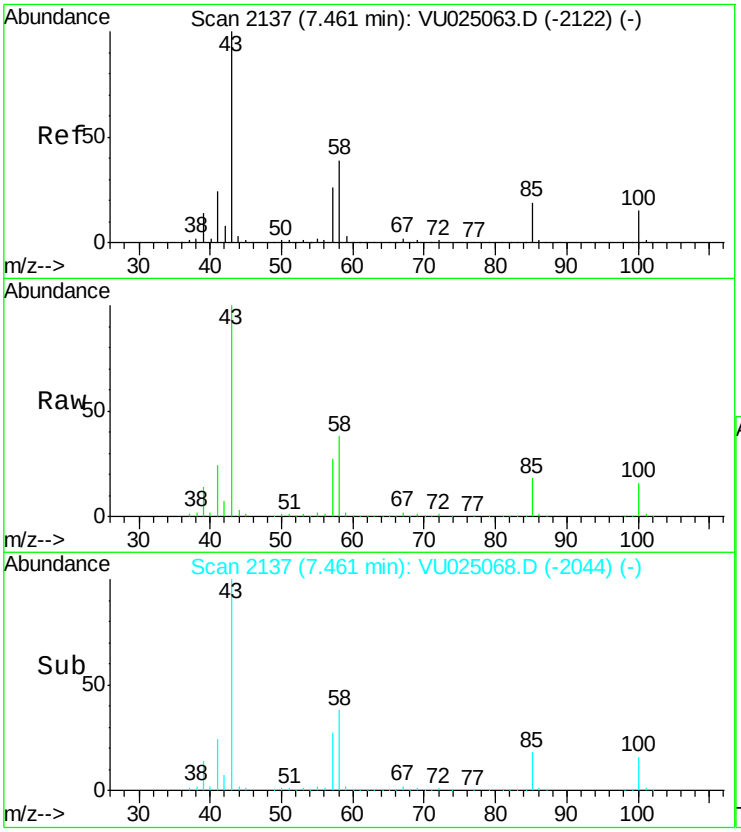


#37
1,2-Dichloropropane
Concen: 20.160 ug/L
RT: 6.43 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion: 63 Resp: 52574

Ion	Ratio	Lower	Upper
63	100		
112	4.1	3.2	4.8



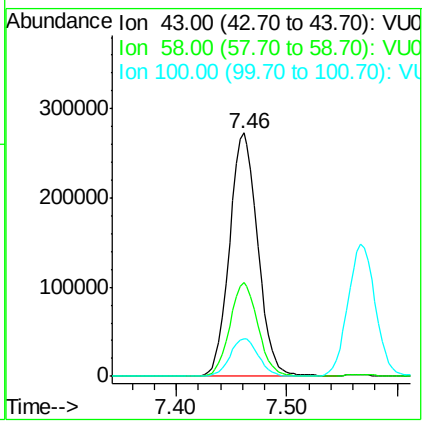


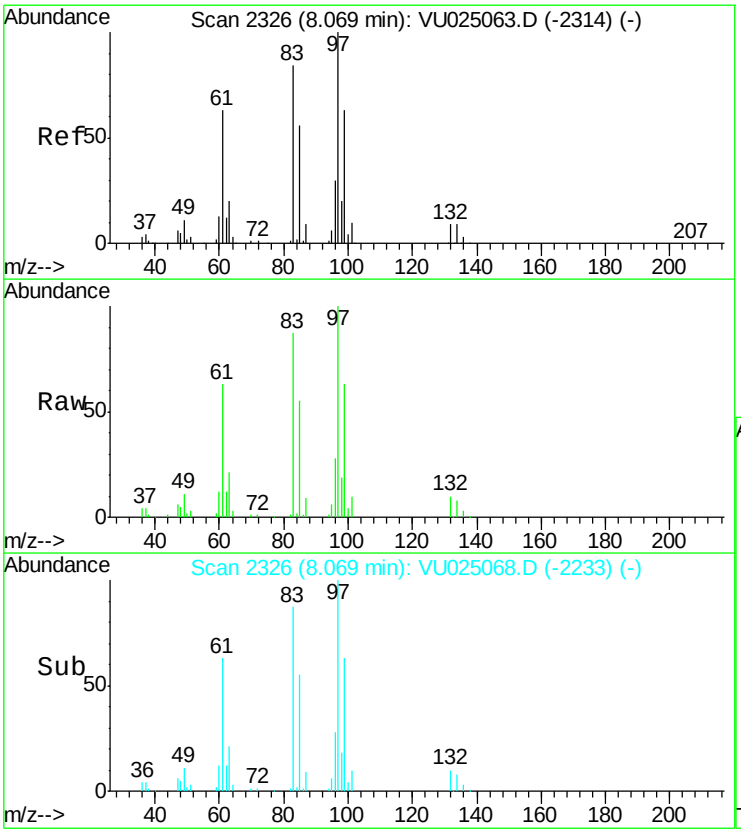
#40
4-Methyl-2-pentanone
Concen: 128.802 ug/L
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument : MSVOA_U
ClientSampleId : X2D19

Tgt Ion: 43 Resp: 483930

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.0	46.6
100	15.6	12.3	18.5

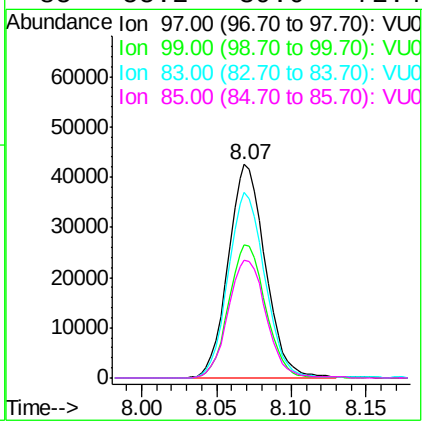


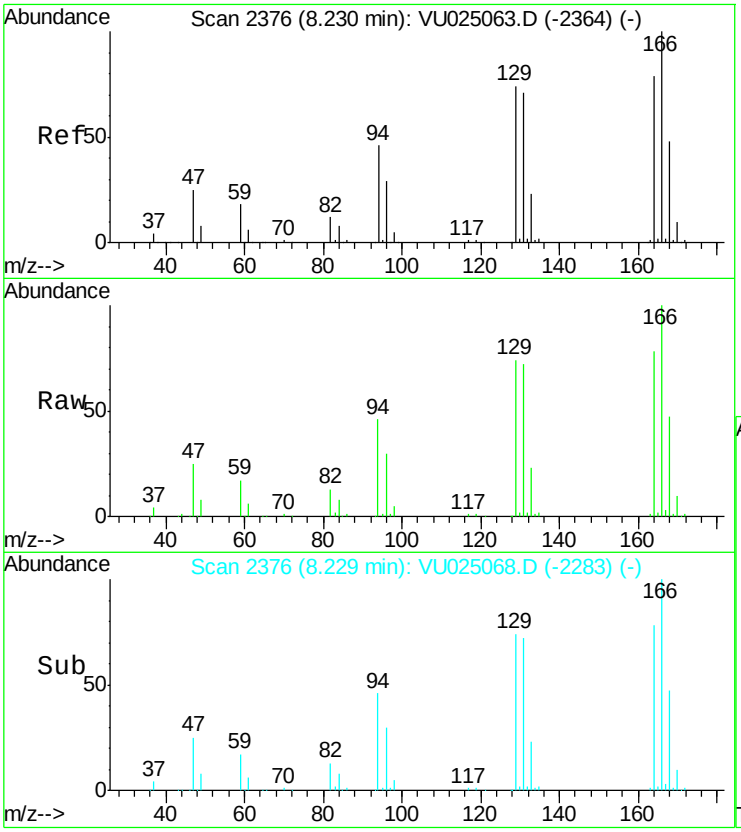


#45
1,1,2-Trichloroethane
Concen: 29.538 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion: 97 Resp: 73507

Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.1	81.9
83	86.8	58.7	108.9
85	55.2	39.0	72.4



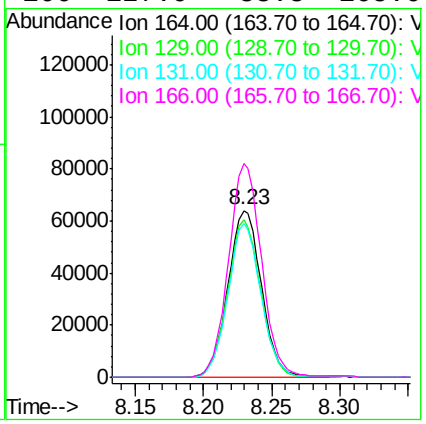


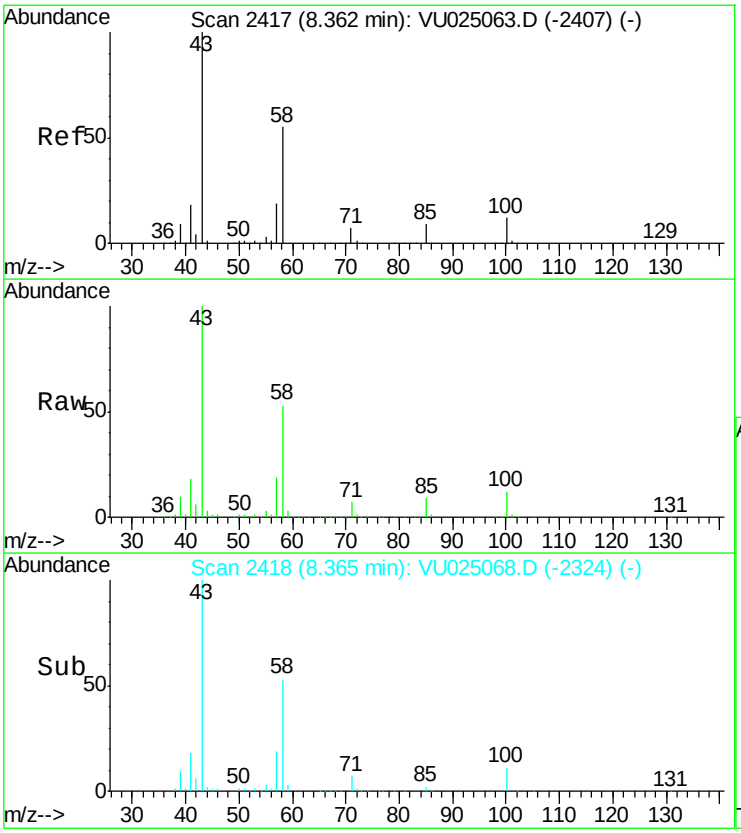
#46
Tetrachloroethene
Concen: 49.641 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion:164 Resp: 109160

Ion	Ratio	Lower	Upper
164	100		
129	94.3	66.1	122.8
131	92.0	62.7	116.5
166	127.9	88.8	165.0

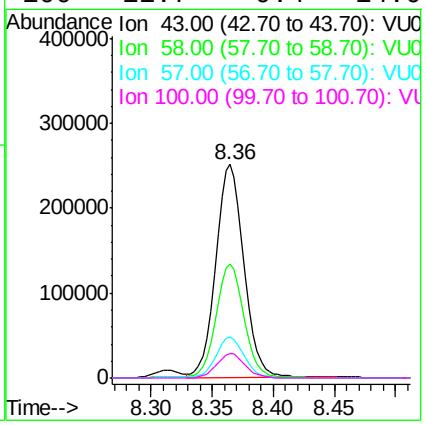


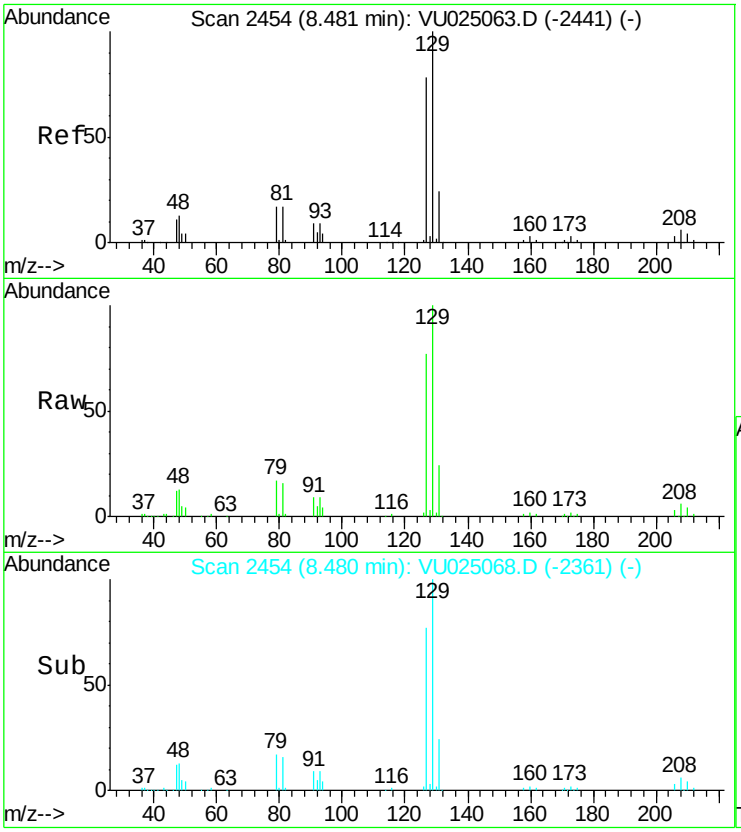


#48
2-Hexanone
Concen: 136.231 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion: 43 Resp: 407192

Ion	Ratio	Lower	Upper
43	100		
58	52.9	43.2	64.8
57	19.3	15.8	23.8
100	11.7	9.4	14.0



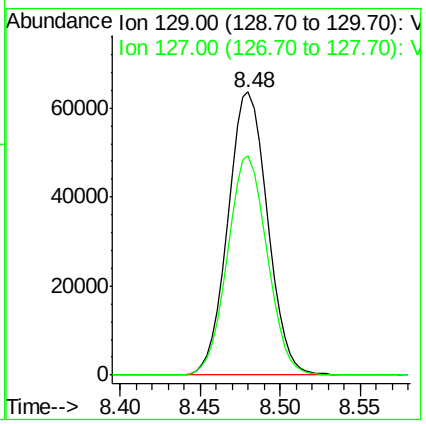


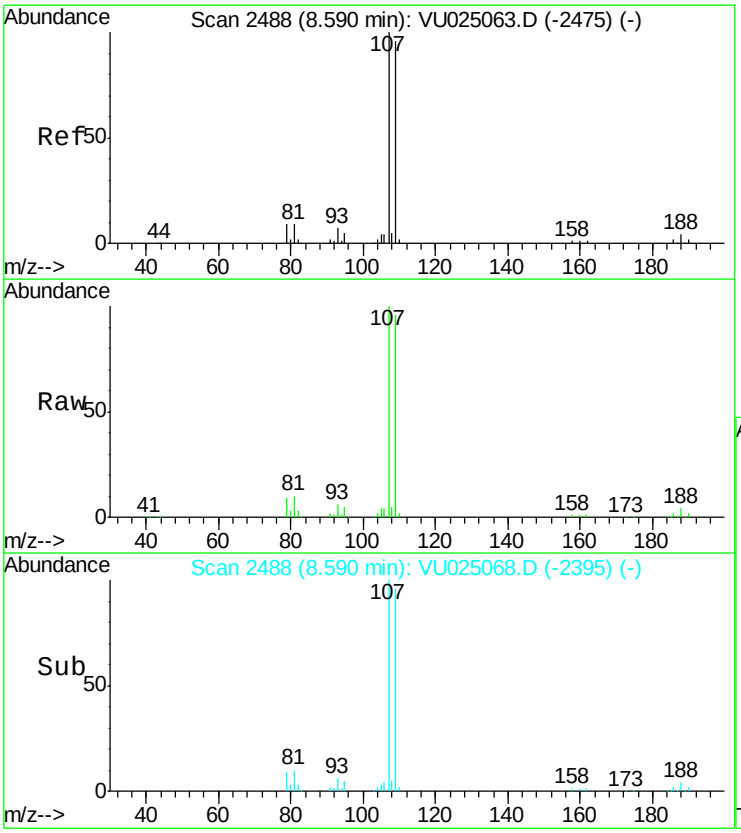
#49
Dibromochloromethane
Concen: 36.781 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion:129 Resp: 107410

Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.6	101.4

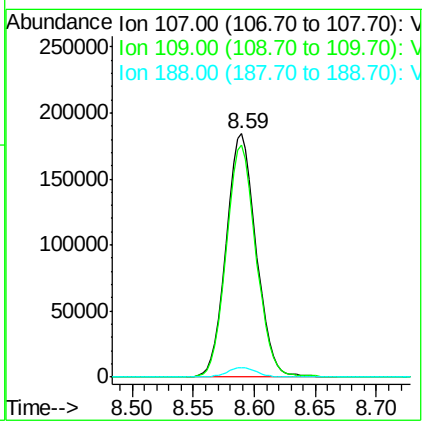


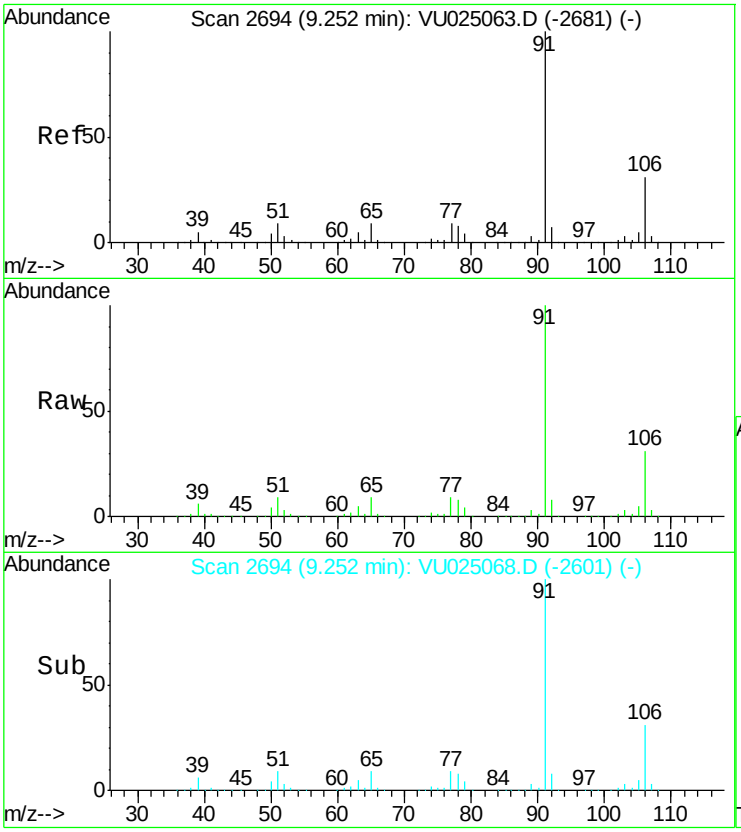


#50
1,2-Dibromoethane
Concen: 115.015 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion:107 Resp: 316590

Ion	Ratio	Lower	Upper
107	100		
109	95.6	67.1	124.5
188	3.9	3.4	5.0



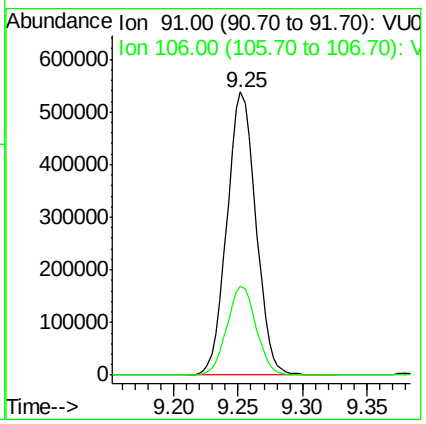


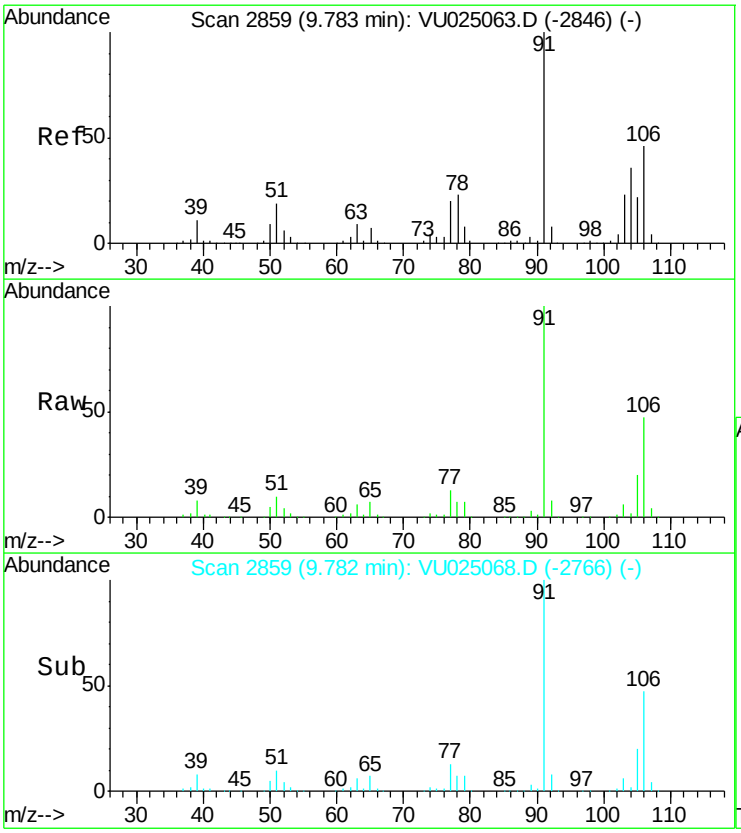
#52
Ethylbenzene
Concen: 70.415 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument : MSVOA_U
ClientSampleId : X2D19

Tgt Ion: 91 Resp: 840546

Ion	Ratio	Lower	Upper
91	100		
106	31.4	21.6	40.2

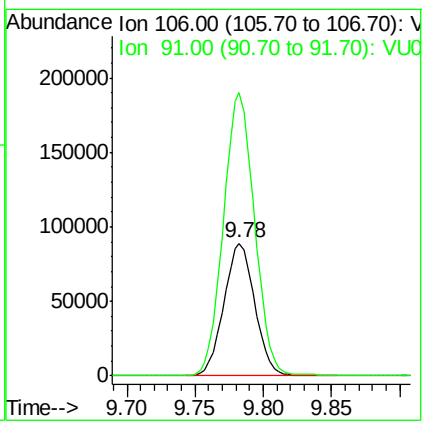


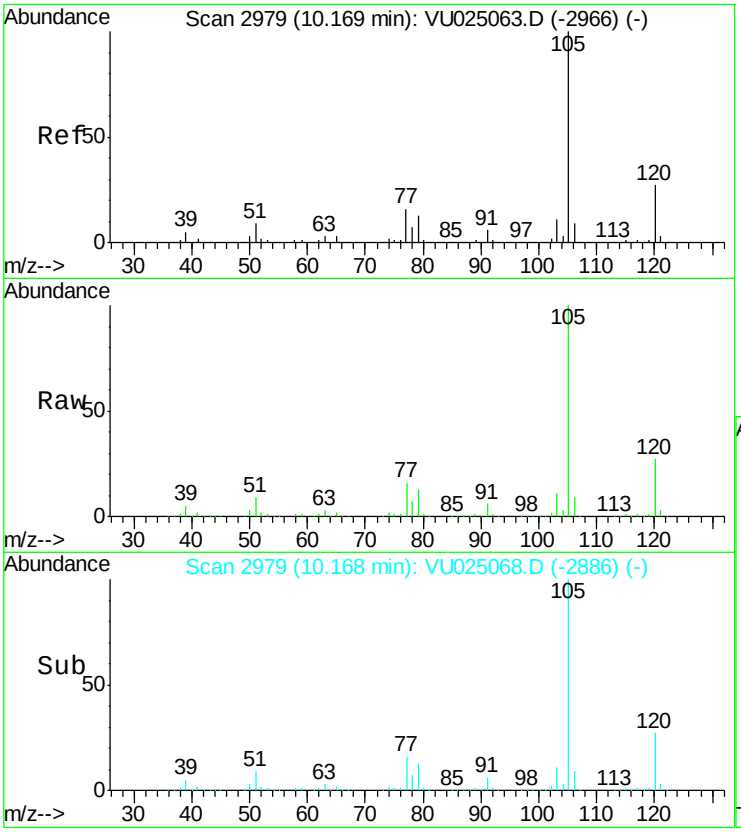


#54
o-xylene
Concen: 30.256 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion:106 Resp: 140186

Ion	Ratio	Lower	Upper
106	100		
91	212.9	152.0	282.4



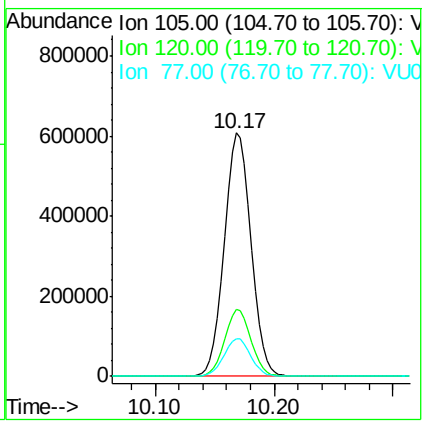


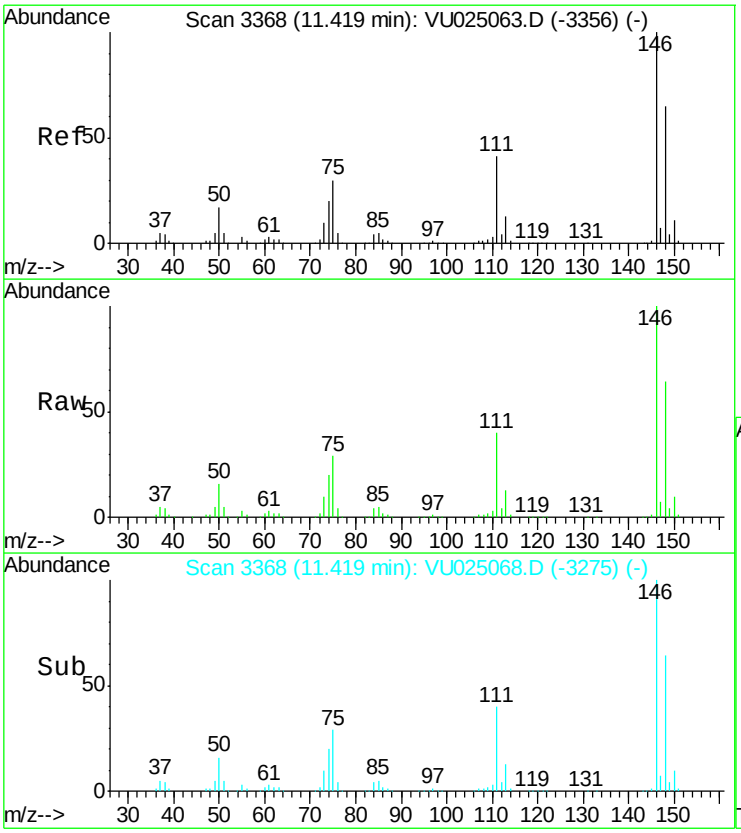
#56
Isopropylbenzene
Concen: 77.547 ug/L
RT: 10.17 min Scan# 2979
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion:105 Resp: 943744

Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.4	32.0
77	15.6	12.5	18.7

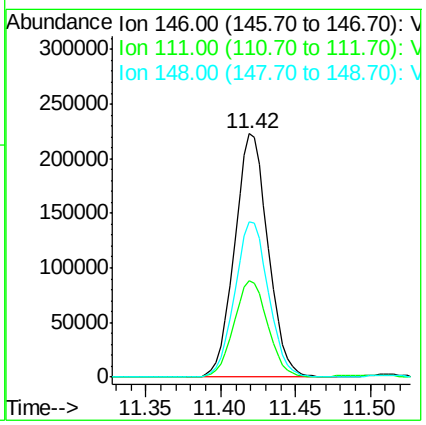


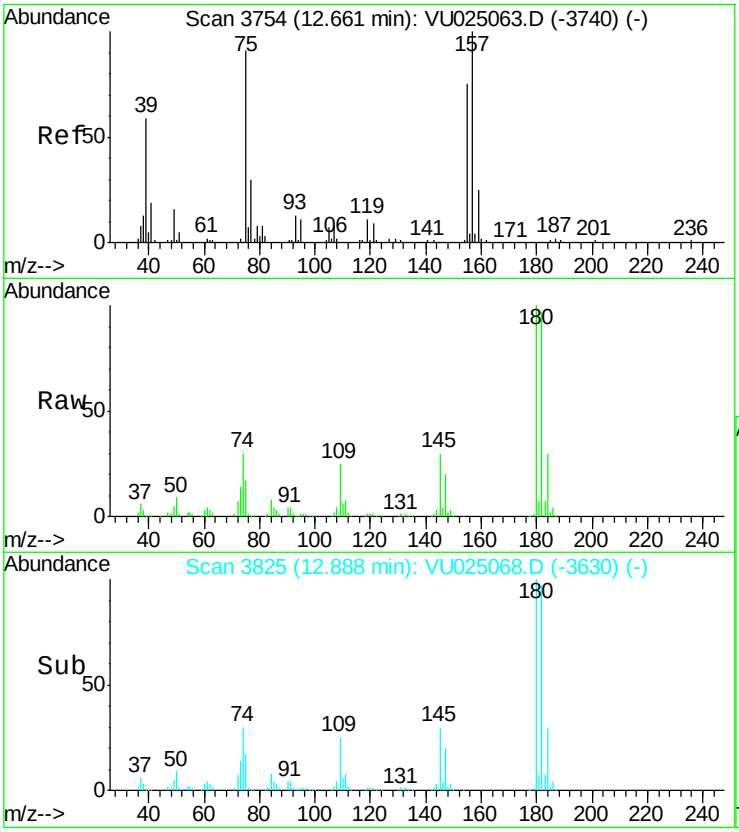


#62
1,3-Dichlorobenzene
Concen: 58.538 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion:146 Resp: 346335

Ion	Ratio	Lower	Upper
146	100		
111	39.6	28.7	53.3
148	63.7	45.3	84.1



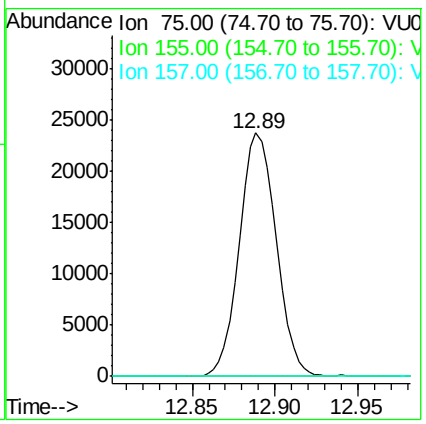


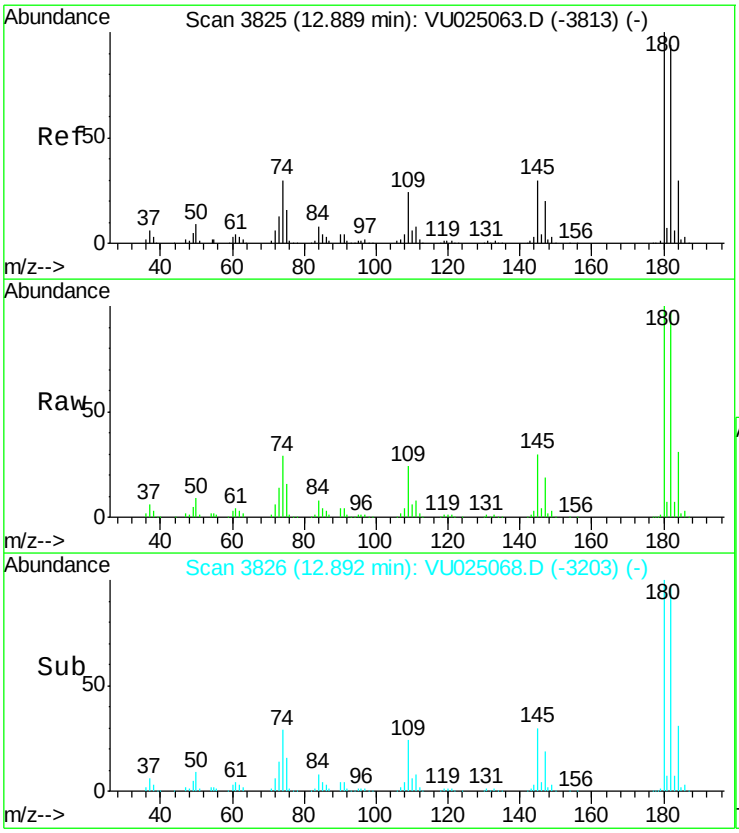
#66
1,2-Dibromo-3-chloropropane
Concen: 35.493 ug/L
RT: 12.89 min Scan# 3825
Delta R.T. 0.23 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion: 75 Resp: 36678

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.3	99.5#
157	0.0	87.9	131.9#

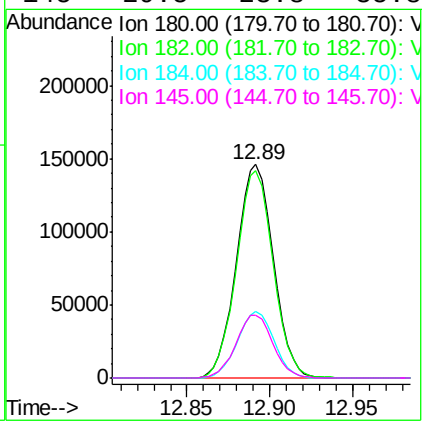


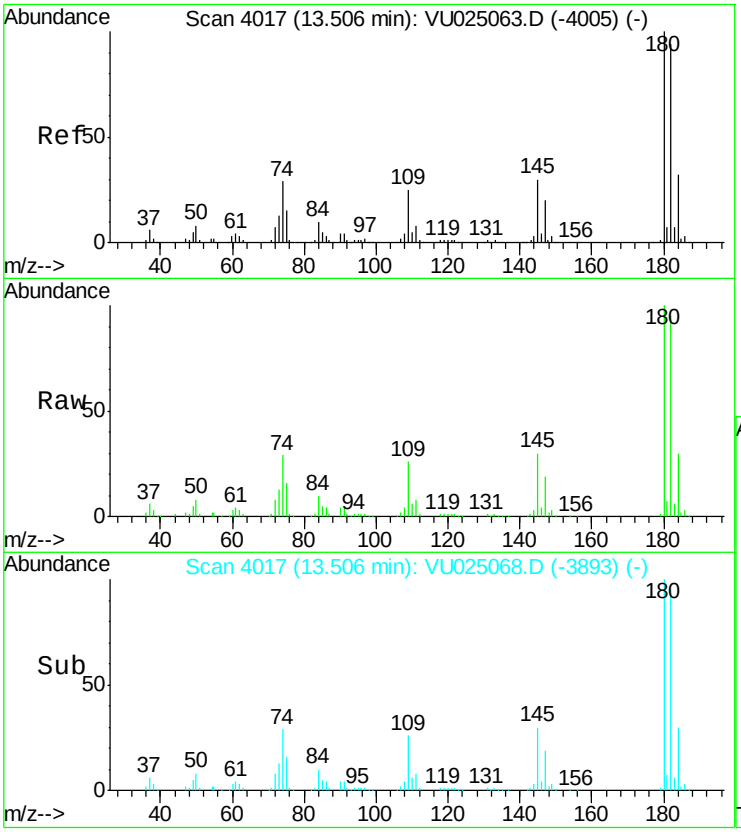


#67
1,3,5-Trichlorobenzene
Concen: 51.585 ug/L
RT: 12.89 min Scan# 3826
Delta R.T. 0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Tgt Ion:180 Resp: 226580

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
184	30.9	24.3	36.5
145	29.5	23.8	35.8





#68
1,2,4-trichlorobenzene
Concen: 53.180 ug/L
RT: 13.51 min Scan# 4017
Delta R.T. -0.00 min
Lab File: VU025068.D
Acq: 29 Jun 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
X2D19

Tgt Ion:180 Resp: 195286

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.9	113.9
145	30.6	23.8	35.8