Quantitation Report (LSC Reviewed)

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052218\
Data File : VU024010.D
Acq On : 22 May 2018 12:33
Operator : MD/SY
Sample : J3032-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 09:40:30 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 23 02:51:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	282740	50.00	ug/L		0.00
28) Chlorobenzene-d5	9.09	117	288269	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146376	50.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.40	65	97017	36.93	ug/L		0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 73.86%				
7) Chloroethane-d5	1.66	69	79176	38.24	ug/L		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 76.48%				
11) 1,1-Dichloroethene-d2	2.27	63	166405	34.52	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.04%				
21) 2-Butanone-d5	4.18	46	189152	103.46	ug/L		0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 103.46%				
24) Chloroform-d	4.65	84	189698	47.30	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.60%				
26) 1,2-Dichloroethane-d4	5.31	65	130398	49.42	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.84%				
32) Benzene-d6	5.34	84	378446	44.97	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.94%				
36) 1,2-Dichloropropane-d6	6.33	67	132466	46.60	ug/L		0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.20%				
41) Toluene-d8	7.57	98	348262	44.92	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.84%				
43) trans-1,3-Dichloropropene-	7.85	79	57226	47.87	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.74%				
47) 2-Hexanone-d5	8.31	63	140680	107.38	ug/L		0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 107.38%				
57) 1,1,2,2-Tetrachloroethane-	10.44	84	201936	50.45	ug/L		0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 100.90%				
64) 1,2-Dichlorobenzene-d4	11.86	152	153753	48.63	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.26%				
Target Compounds							Qvalue
3) Chloromethane	1.33	50	56473	21.00	ug/L		99
5) Vinyl chloride	1.40	62	39751	12.76	ug/L		95
6) Bromomethane	1.61	94	6833	5.50	ug/L		96
12) 1,1-Dichloroethene	2.28	96	36309	17.19	ug/L	#	66
16) Methylene chloride	2.70	84	51071	20.33	ug/L		96
22) 2-Butanone	4.27	43	86603	38.64	ug/L		98
25) Chloroform	4.68	83	87481	19.55	ug/L		98
27) 1,2-Dichloroethane	5.41	62	72376	21.27	ug/L		99
30) 1,1,1-Trichloroethane	4.92	97	67950	18.87	ug/L		99
31) Carbon tetrachloride	5.14	117	52241	16.84	ug/L		99
33) Benzene	5.39	78	188879	19.92	ug/L		100
34) Trichloroethene	6.19	95	47277	19.54	ug/L		96
37) 1,2-Dichloropropane	6.44	63	51748	18.44	ug/L		99
38) Bromodichloromethane	6.76	83	55538	16.70	ug/L		98
39) cis-1,3-Dichloropropene	7.27	75	55430	14.96	ug/L		99
42) Toluene	7.64	91	245226	24.81	ug/L		99
44) trans-1,3-Dichloropropene	7.88	75	40296	11.81	ug/L		99

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Data File : VU024010.D
Acq On : 22 May 2018 12:33
Operator : MD/SY
Sample : J3032-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 09:40:30 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 23 02:51:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.07	97	46599	18.48 ug/L	98
46) Tetrachloroethene	8.23	164	36085	18.25 ug/L	98
49) Dibromochloromethane	8.48	129	50929	19.00 ug/L	98
52) Ethylbenzene	9.25	91	254301	23.87 ug/L	100
53) m,p-Xylene	9.38	106	98753	24.46 ug/L	98
55) Styrene	9.80	104	49235	7.18 ug/L	99
61) Bromoform	9.96	173	34986	16.91 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	115074	22.57 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	99503	18.42 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	129749	23.60 ug/L	98

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

Quantitation Report (LSC Reviewed)

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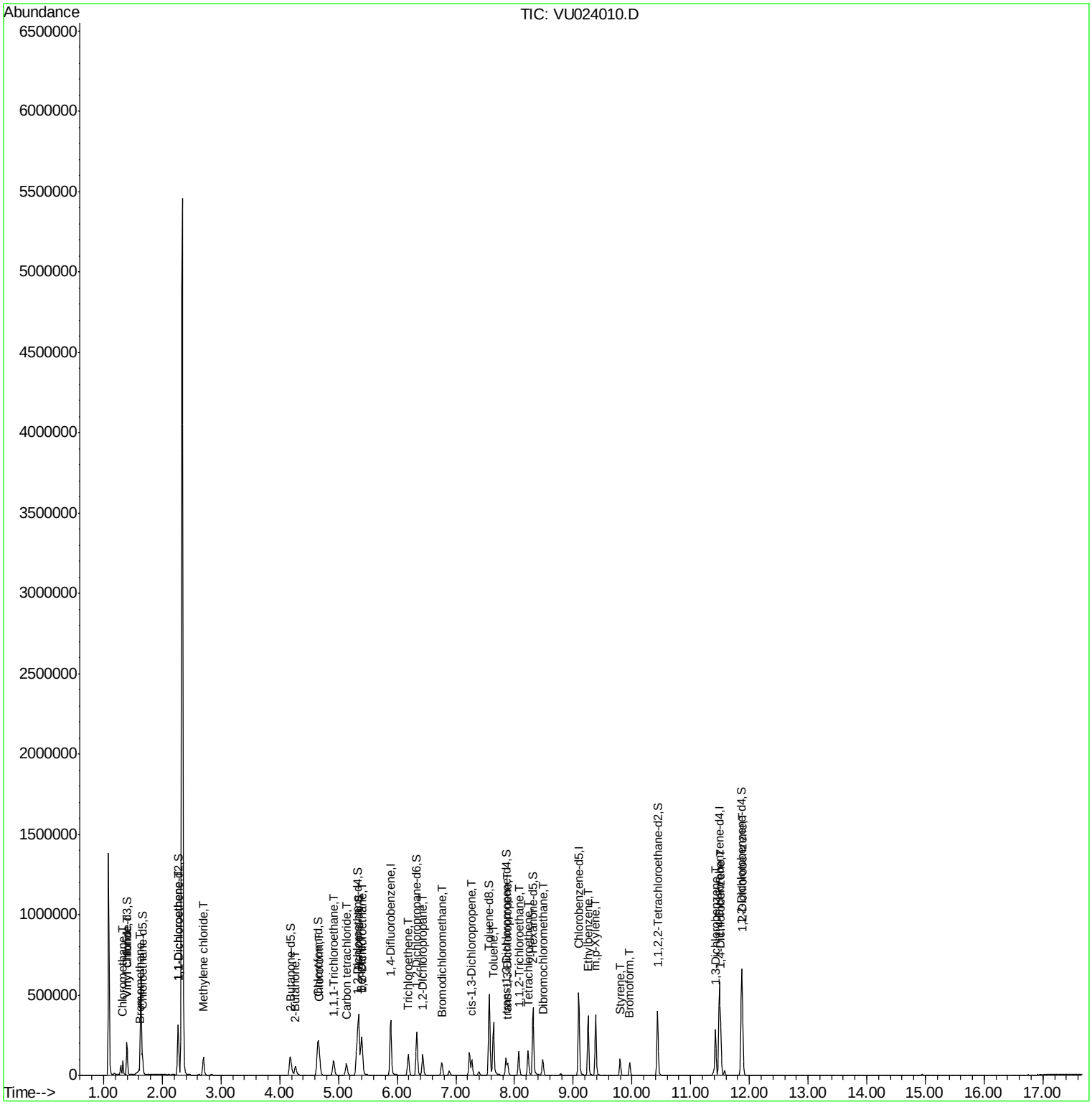
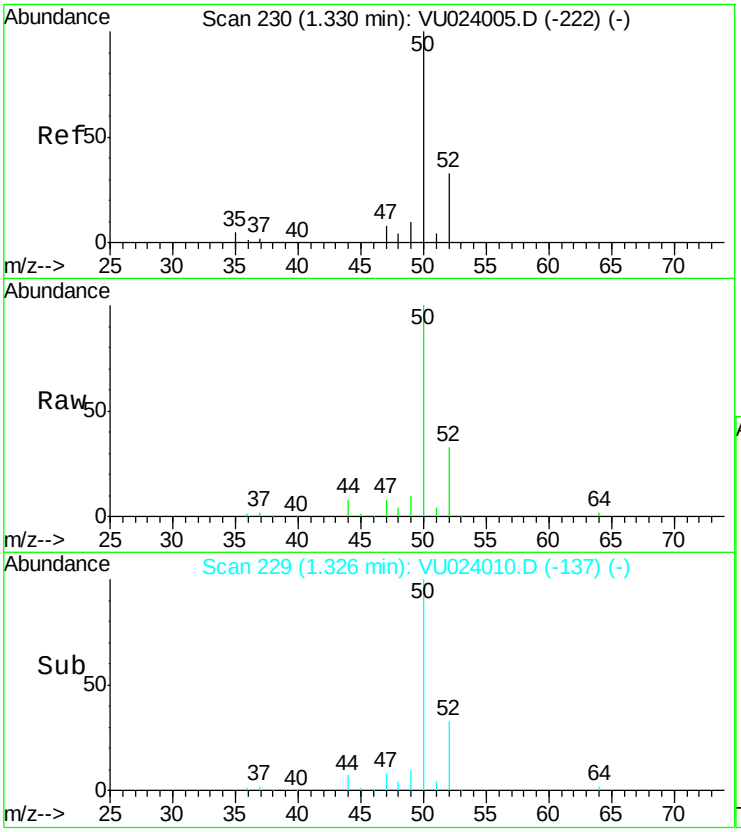
Quant Title : VOC Analysis
QLast Update : Wed May 23 02:51:37 2018
Response via : Initial Calibration

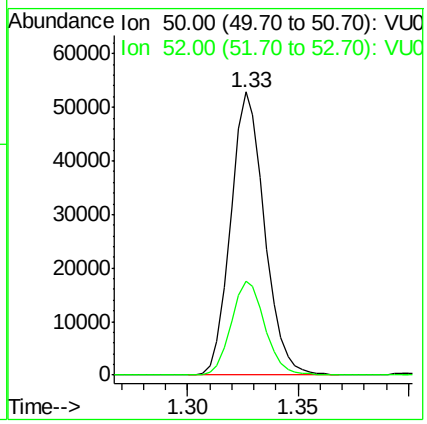


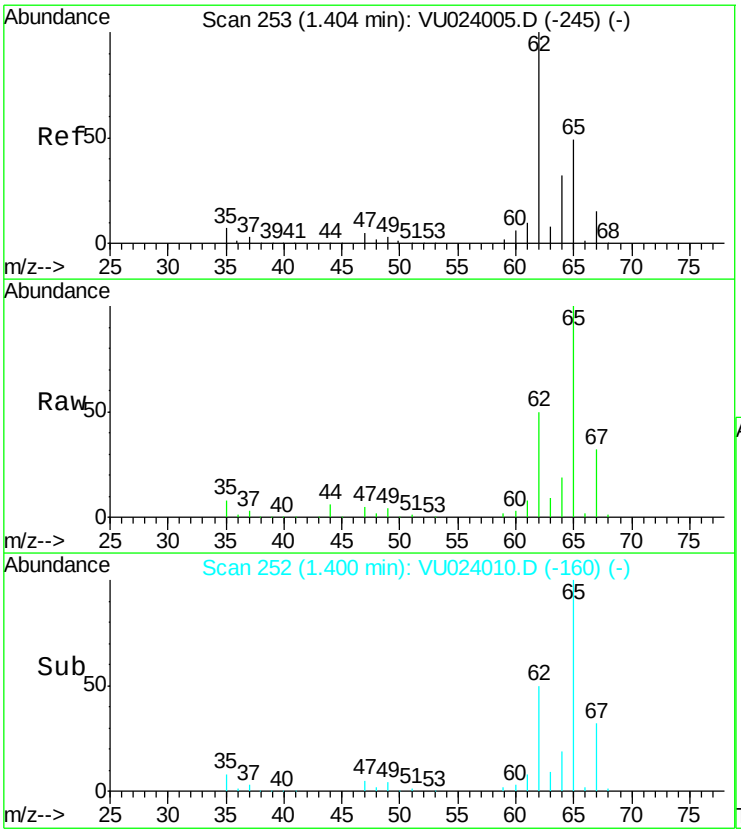


#3
Chloromethane
Concen: 21.00 ug/L
RT: 1.33 min Scan# 229
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 50 Resp: 56473

Ion	Ratio	Lower	Upper
50	100		
52	33.3	23.0	42.6

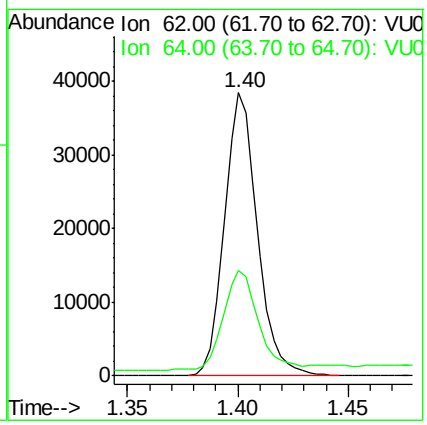


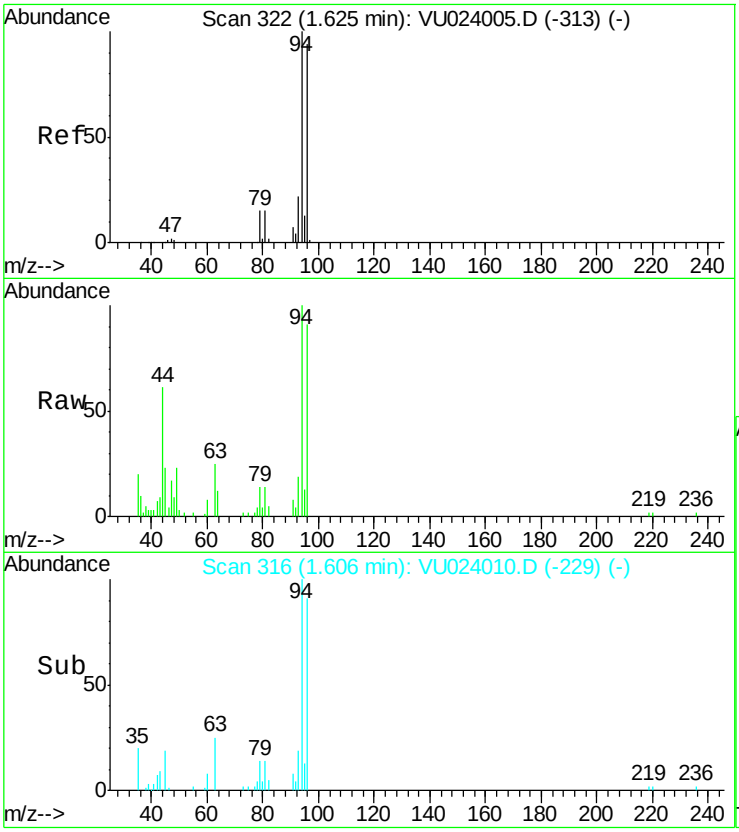


#5
Vinyl chloride
Concen: 12.76 ug/L
RT: 1.40 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 62 Resp: 39751

Ion	Ratio	Lower	Upper
62	100		
64	37.4	24.4	45.2

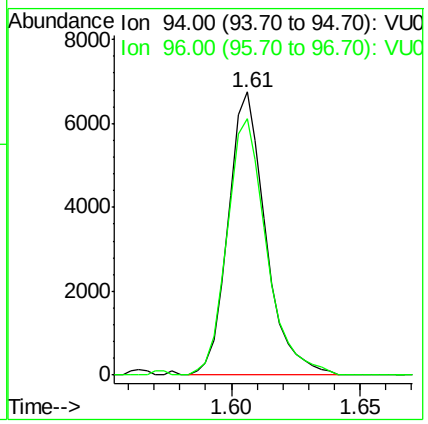


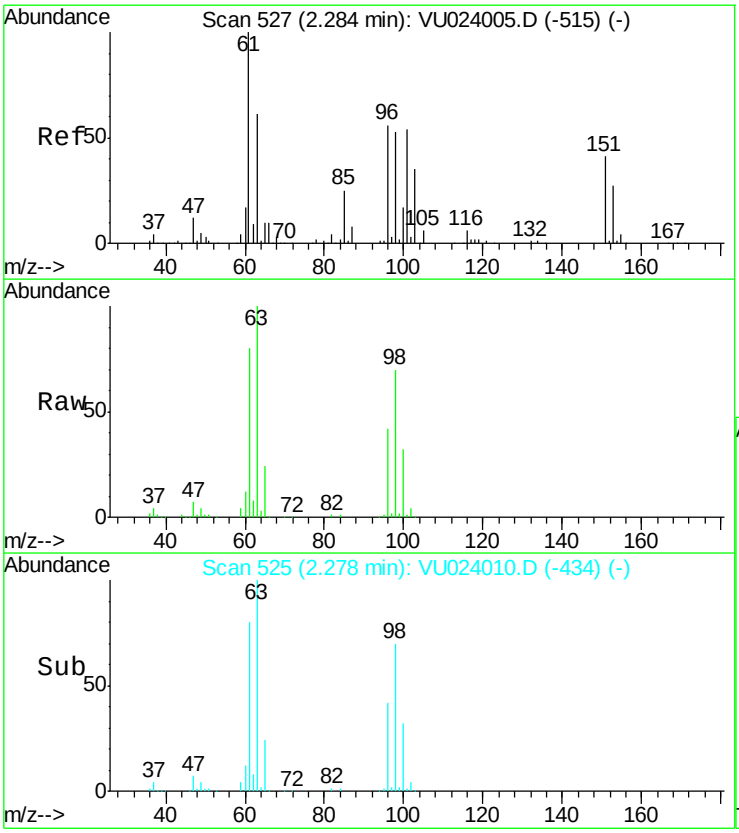


#6
Bromomethane
Concen: 5.50 ug/L
RT: 1.61 min Scan# 316
Delta R.T. -0.02 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 94 Resp: 6833

Ion	Ratio	Lower	Upper
94	100		
96	90.8	66.6	123.6

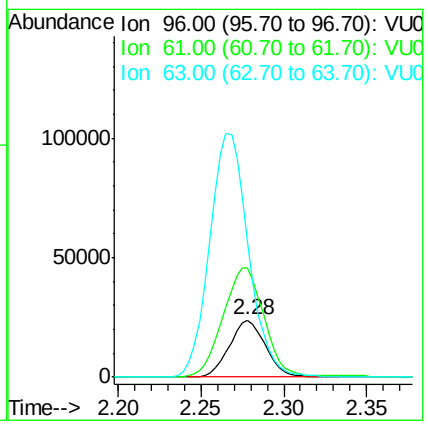


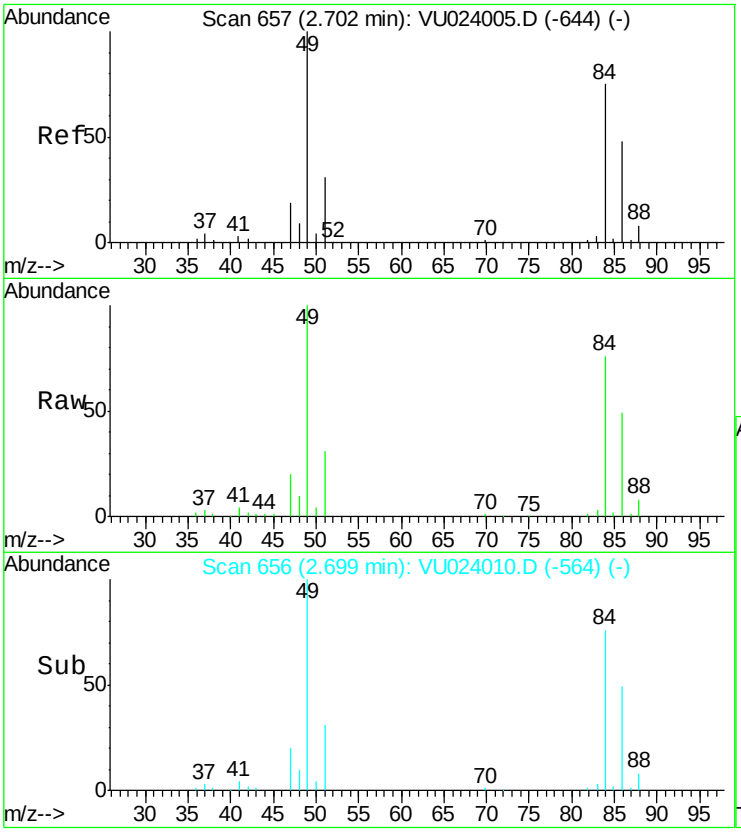


#12
1,1-Dichloroethene
Concen: 17.19 ug/L
RT: 2.28 min Scan# 525
Delta R.T. -0.01 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 96 Resp: 36309

Ion	Ratio	Lower	Upper
96	100		
61	191.8	129.5	240.5
63	240.5	106.9	198.5#

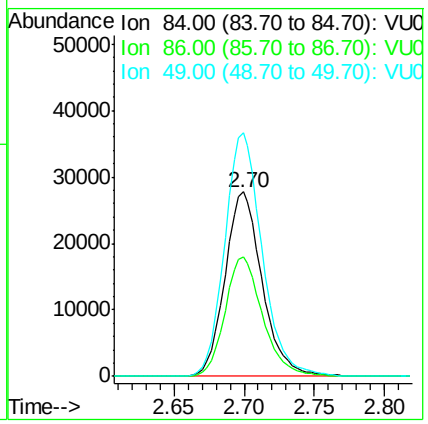


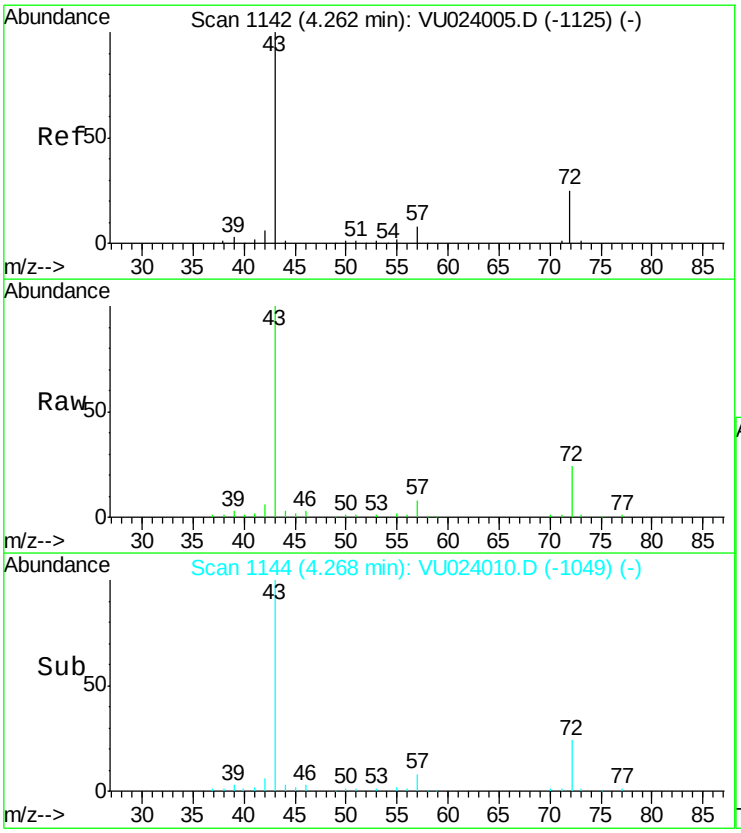


#16
Methylene chloride
Concen: 20.33 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 84 Resp: 51071

Ion	Ratio	Lower	Upper
84	100		
86	64.6	44.6	82.8
49	132.1	87.6	162.6

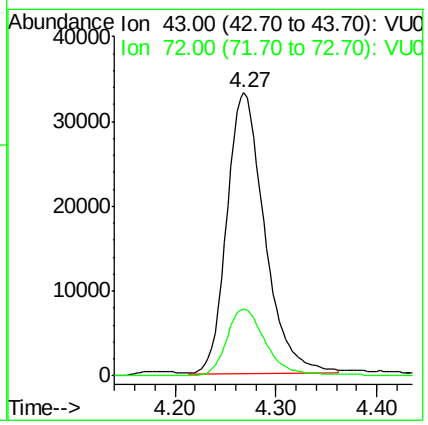


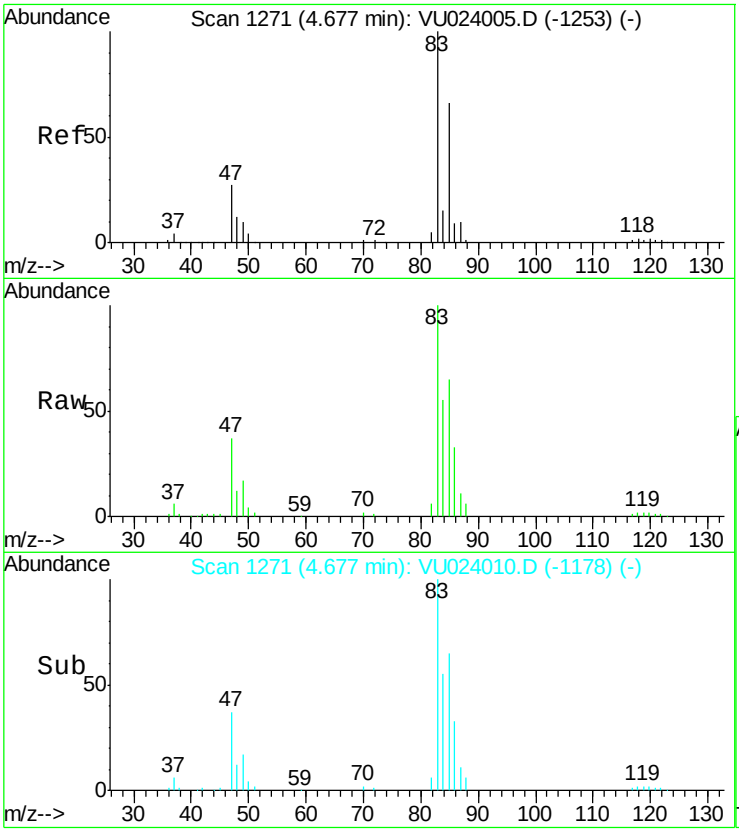


#22
2-Butanone
Concen: 38.64 ug/L
RT: 4.27 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 43 Resp: 86603

Ion	Ratio	Lower	Upper
43	100		
72	24.6	12.8	38.4

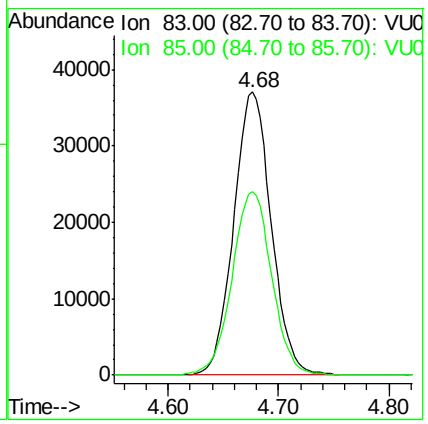


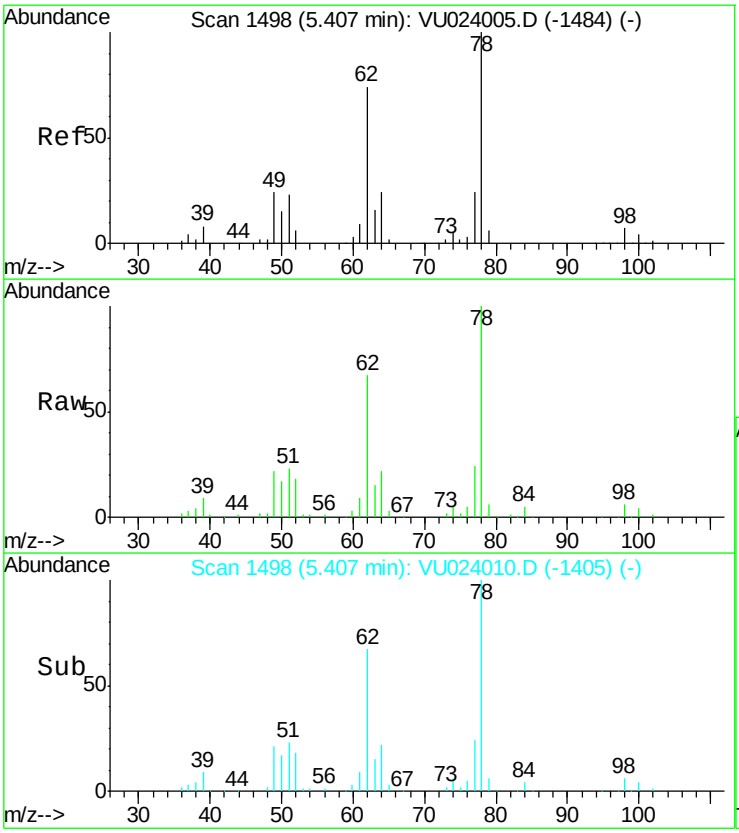


#25
Chloroform
Concen: 19.55 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 83 Resp: 87481

Ion	Ratio	Lower	Upper
83	100		
85	64.9	44.4	82.5

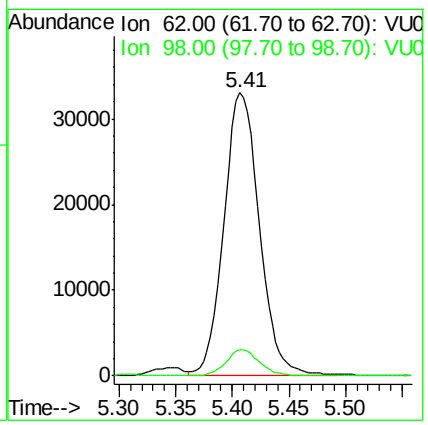


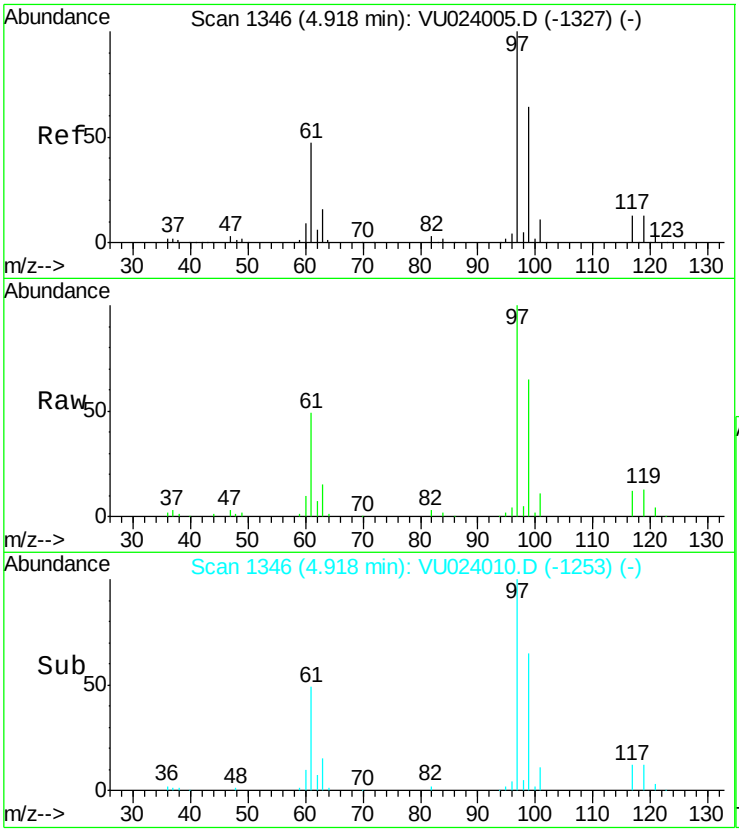


#27
1,2-Dichloroethane
Concen: 21.27 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 62 Resp: 72376

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.5	11.3

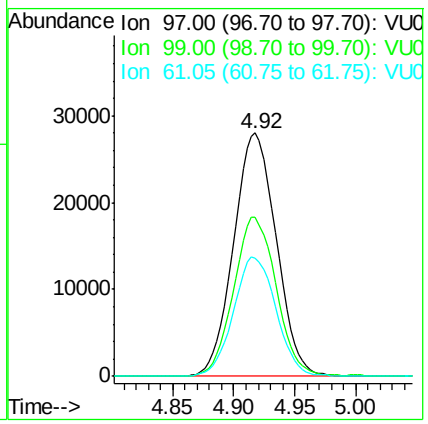


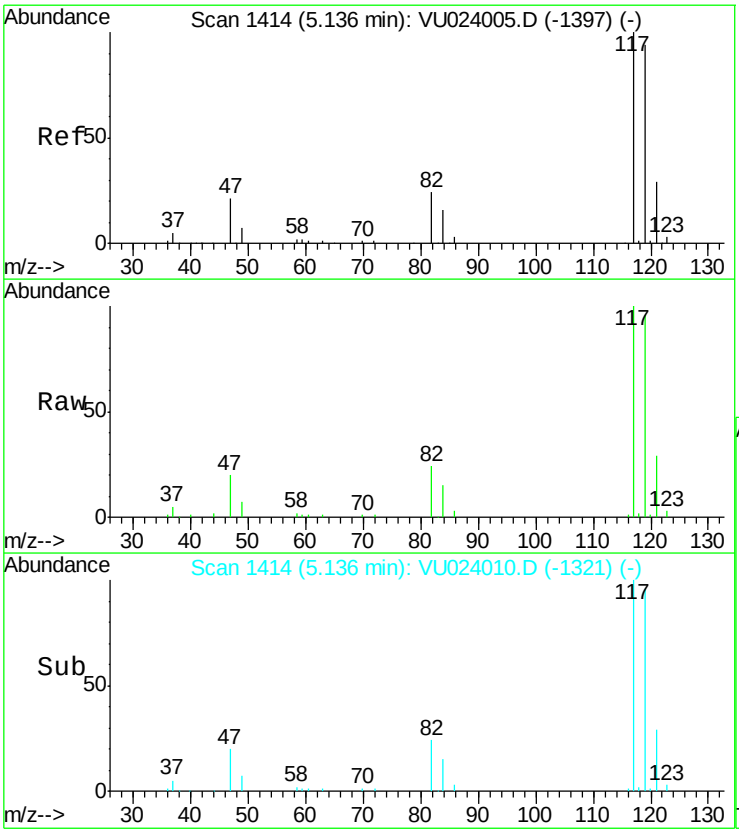


#30
1,1,1-Trichloroethane
Concen: 18.87 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 97 Resp: 67950

Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.0	78.0
61	48.8	37.6	56.4

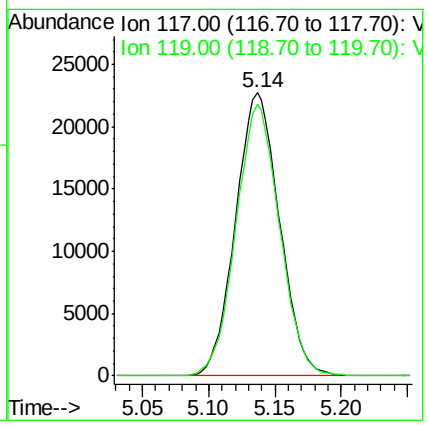


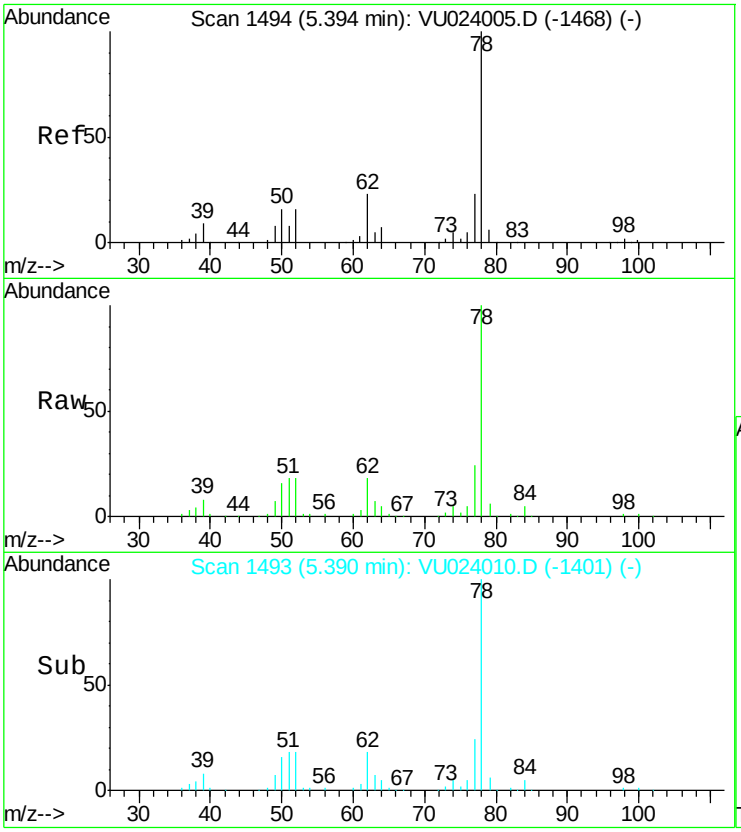


#31
Carbon tetrachloride
Concen: 16.84 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:117 Resp: 52241

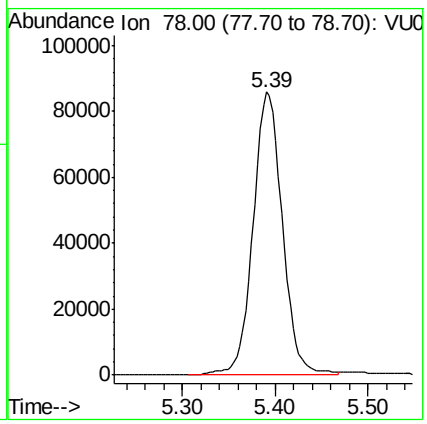
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	115.0

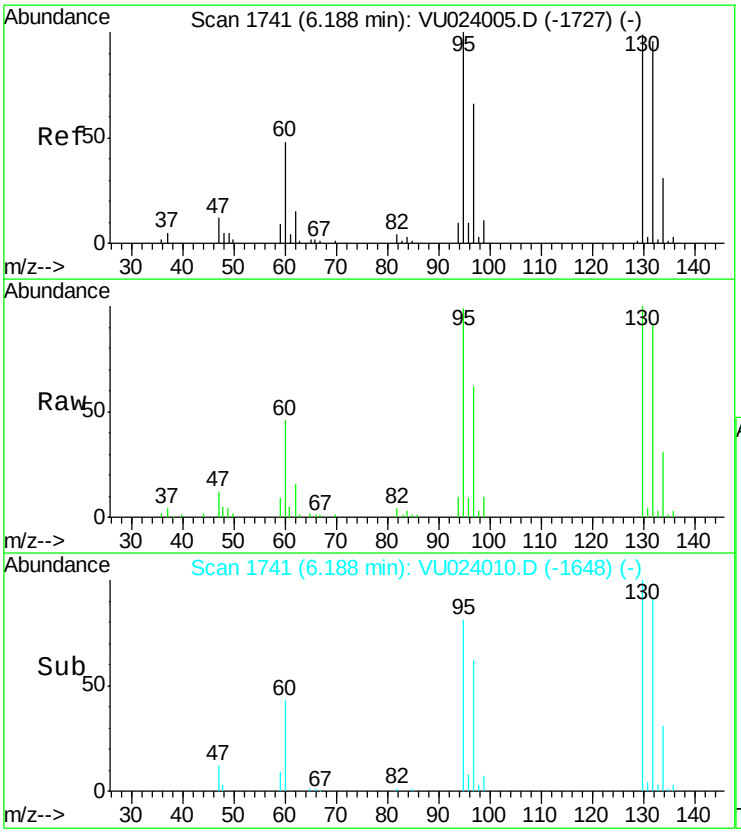




#33
Benzene
Concen: 19.92 ug/L
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 78 Resp: 188879

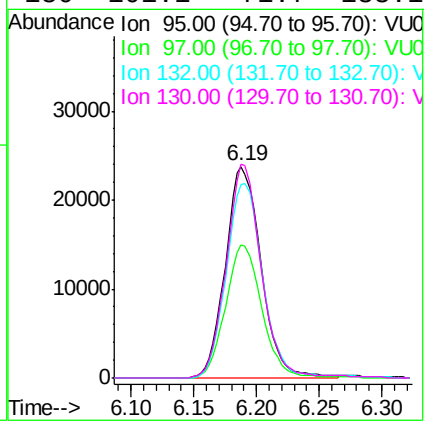


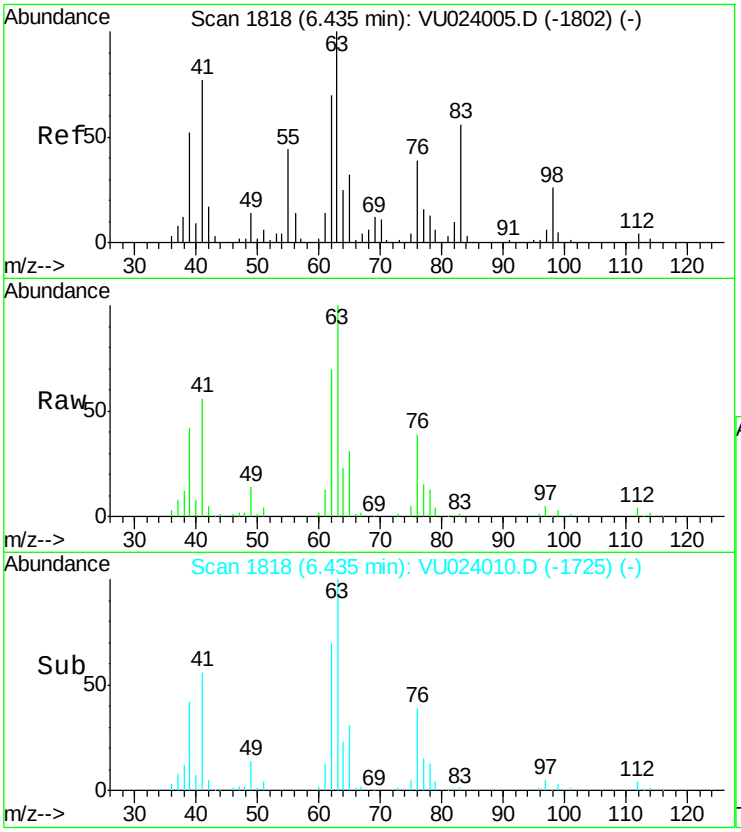


#34
Trichloroethene
Concen: 19.54 ug/L
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 95 Resp: 47277

Ion	Ratio	Lower	Upper
95	100		
97	63.0	45.4	84.2
132	91.7	69.0	128.1
130	101.1	71.7	133.1

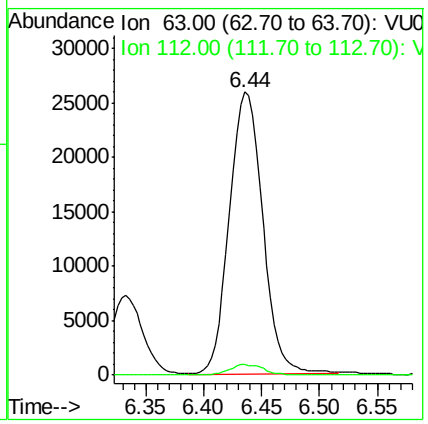


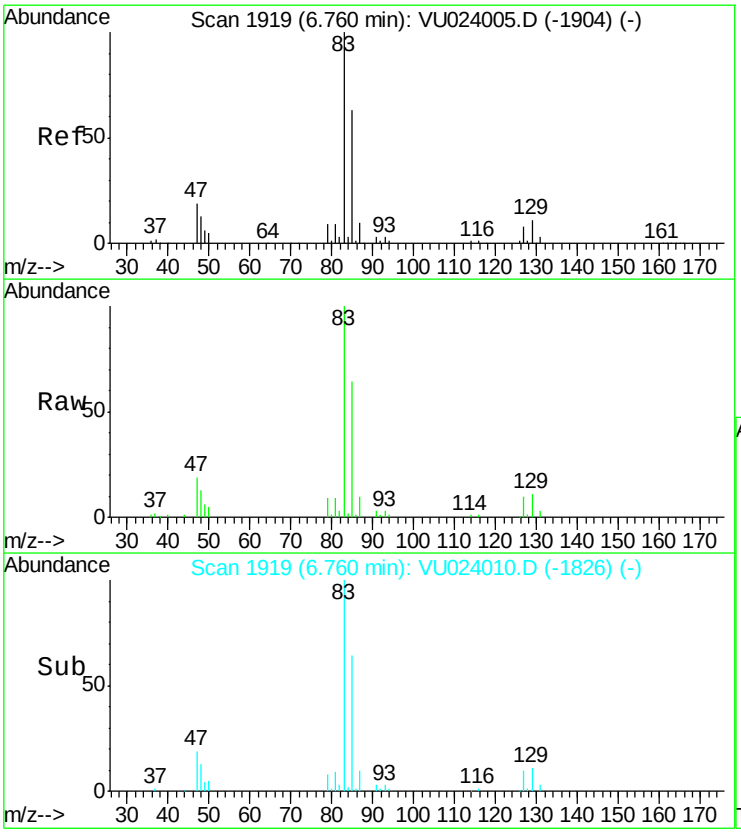


#37
1,2-Dichloropropane
Concen: 18.44 ug/L
RT: 6.44 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 63 Resp: 51748

Ion	Ratio	Lower	Upper
63	100		
112	3.7	3.2	4.8

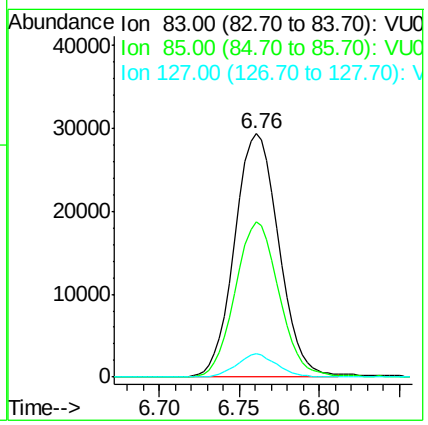


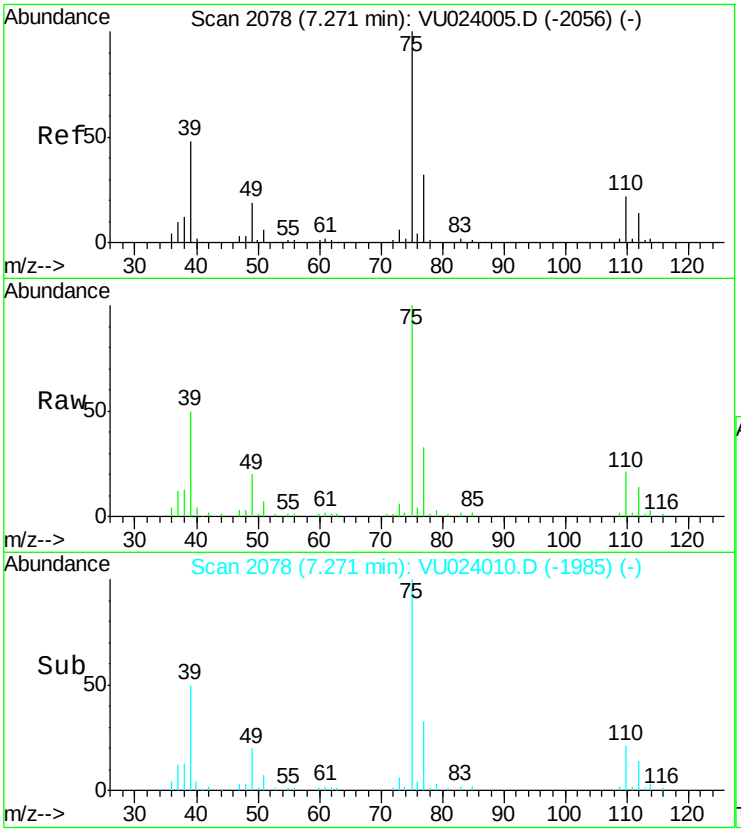


#38
Bromodichloromethane
Concen: 16.70 ug/L
RT: 6.76 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 83 Resp: 55538

Ion	Ratio	Lower	Upper
83	100		
85	63.9	45.8	85.0
127	9.6	6.6	10.0

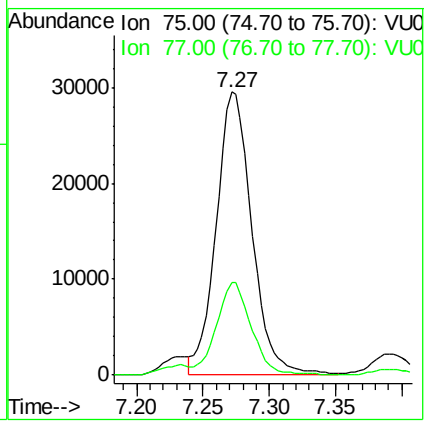


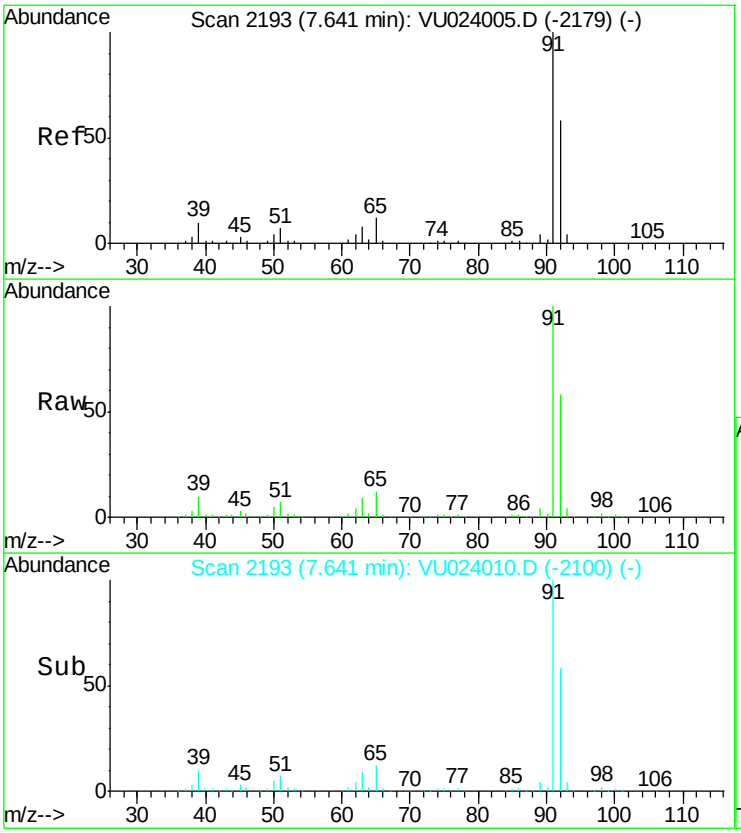


#39
cis-1,3-Dichloropropene
Concen: 14.96 ug/L
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 75 Resp: 55430

Ion	Ratio	Lower	Upper
75	100		
77	32.5	22.5	41.9

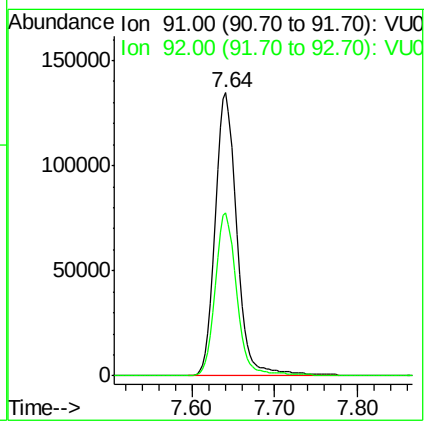


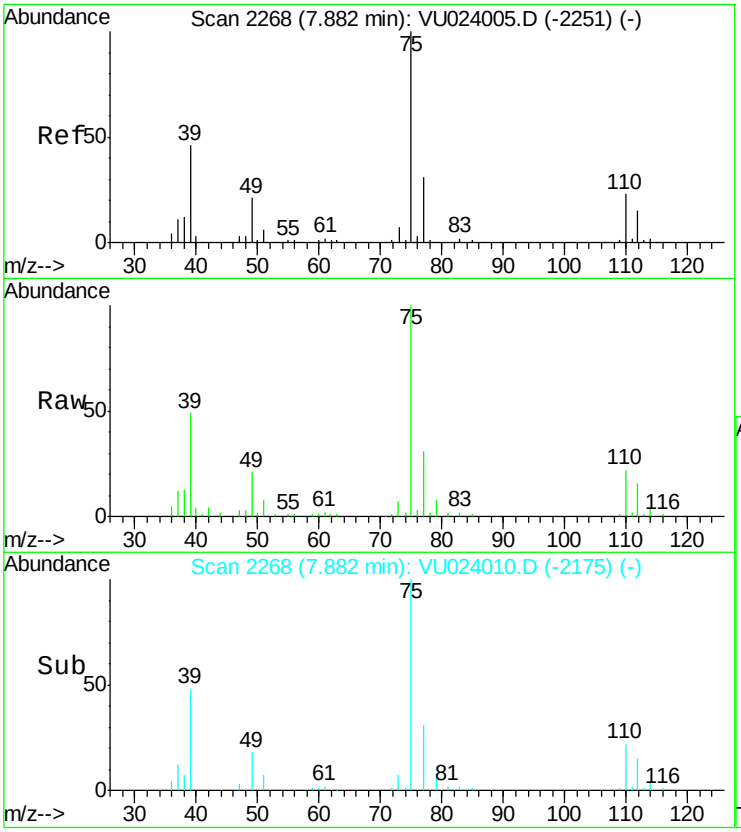


#42
Toluene
Concen: 24.81 ug/L
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 91 Resp: 245226

Ion	Ratio	Lower	Upper
91	100		
92	57.7	40.0	74.4

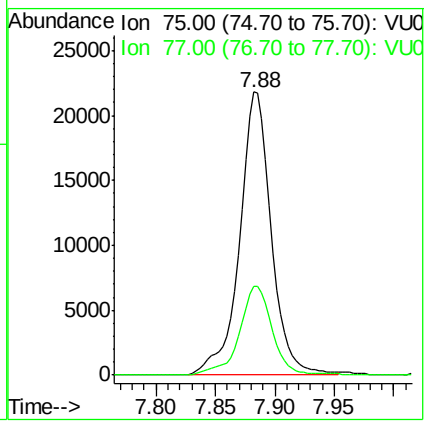


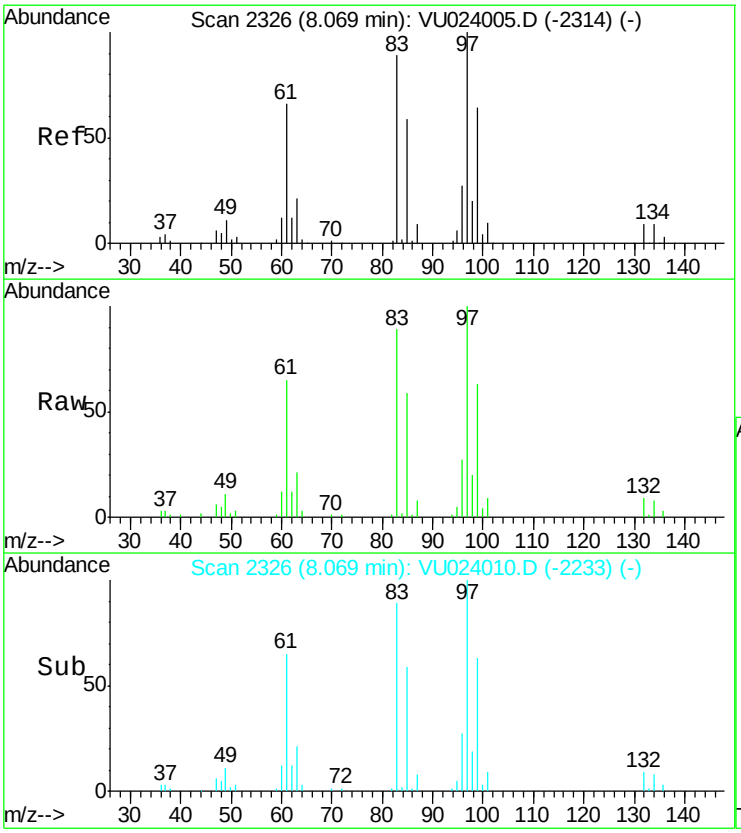


#44
trans-1,3-Dichloropropene
Concen: 11.81 ug/L
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 75 Resp: 40296

Ion	Ratio	Lower	Upper
75	100		
77	31.4	22.3	41.5

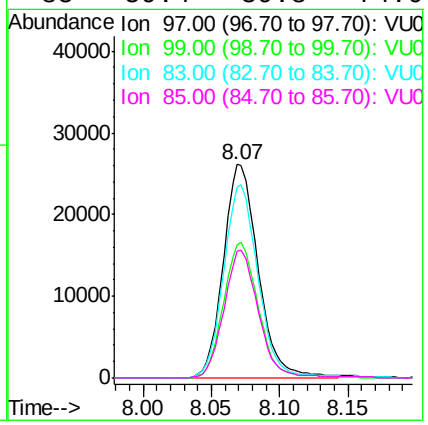


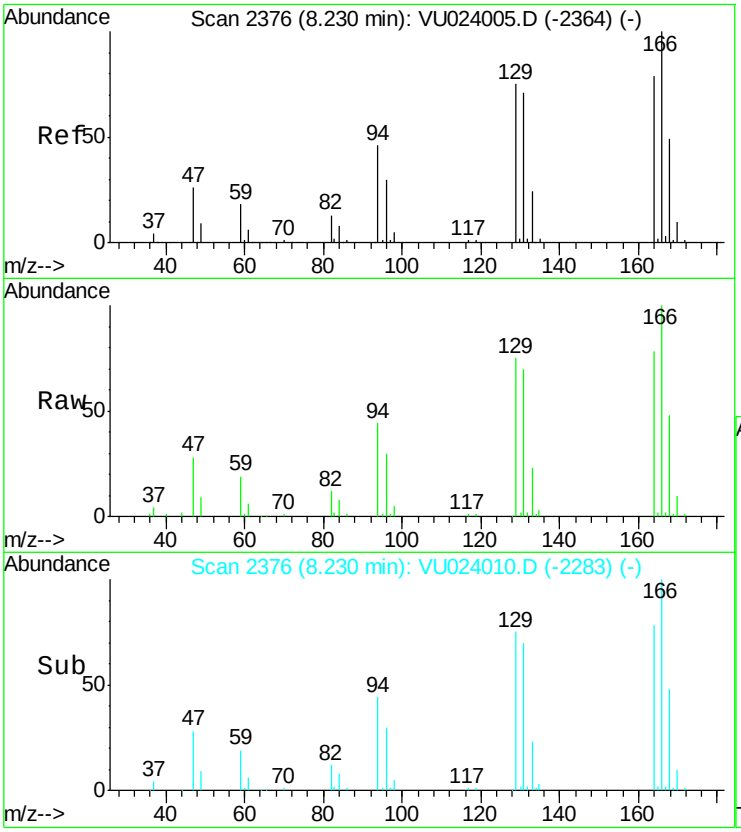


#45
1,1,2-Trichloroethane
Concen: 18.48 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 97 Resp: 46599

Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.3	80.3
83	89.5	61.9	114.9
85	59.4	39.8	74.0

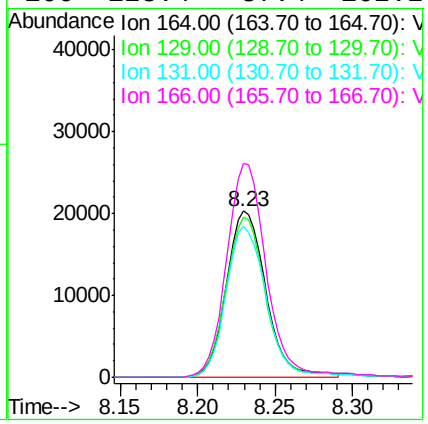


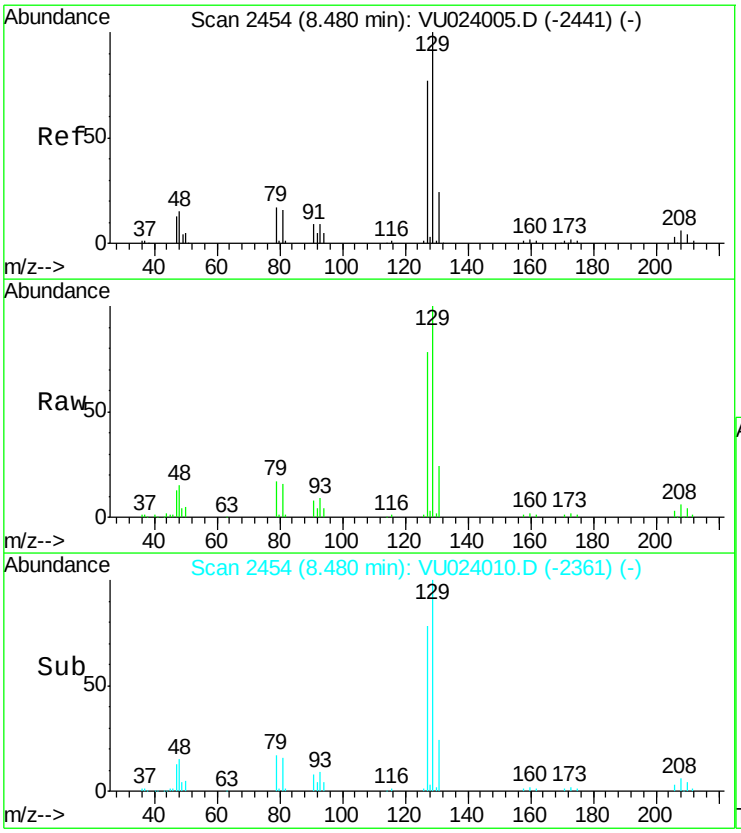


#46
Tetrachloroethene
Concen: 18.25 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:164 Resp: 36085

Ion	Ratio	Lower	Upper
164	100		
129	96.4	65.3	121.3
131	90.4	63.0	117.0
166	128.4	87.4	162.2

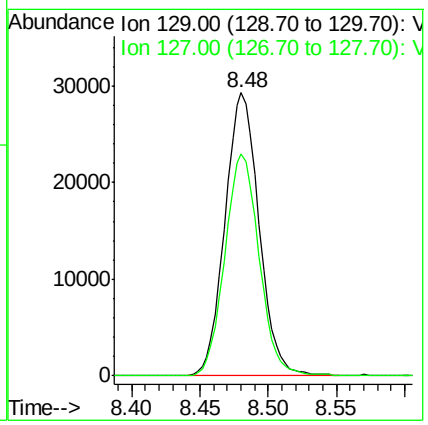


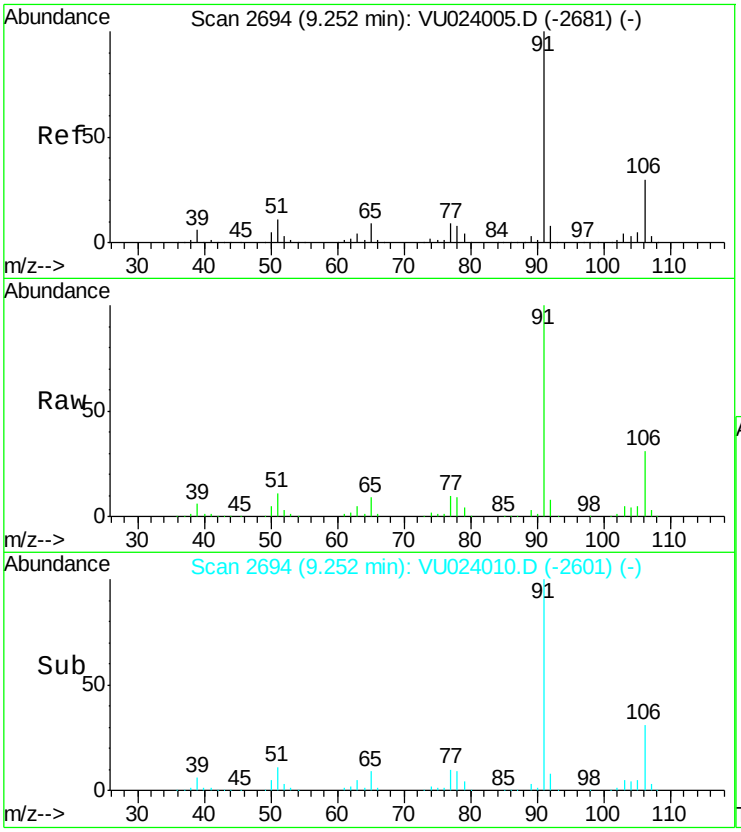


#49
Dibromochloromethane
Concen: 19.00 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:129 Resp: 50929

Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.5	99.5

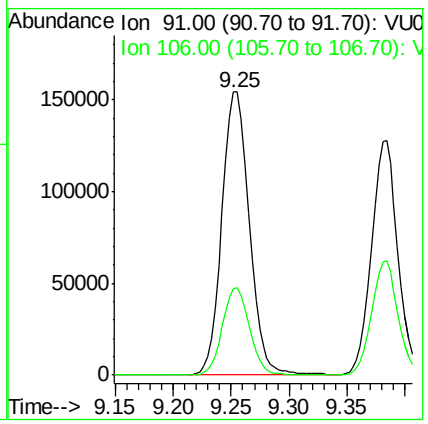


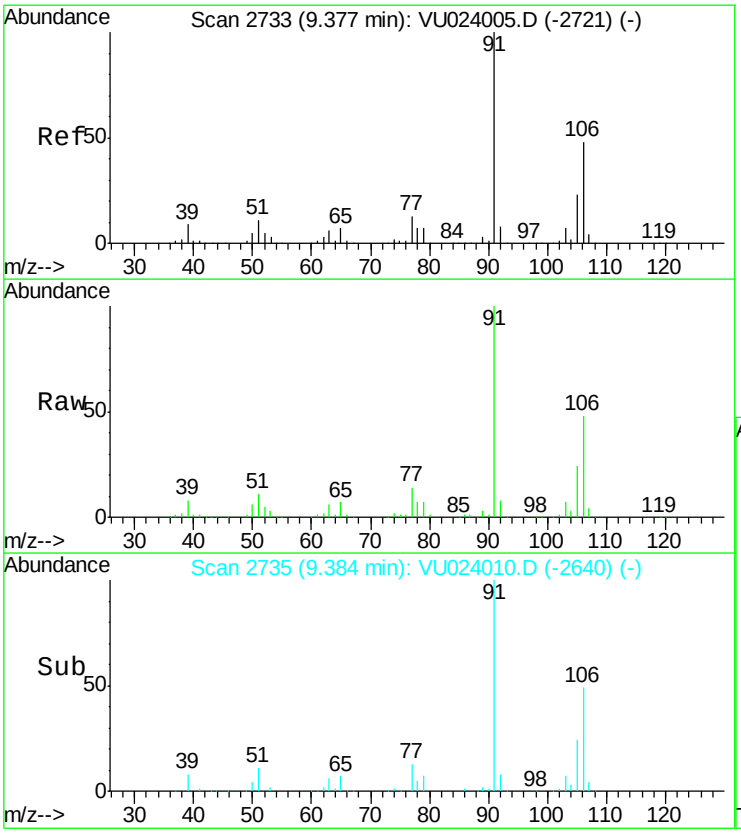


#52
Ethylbenzene
Concen: 23.87 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion: 91 Resp: 254301

Ion	Ratio	Lower	Upper
91	100		
106	30.7	21.3	39.6

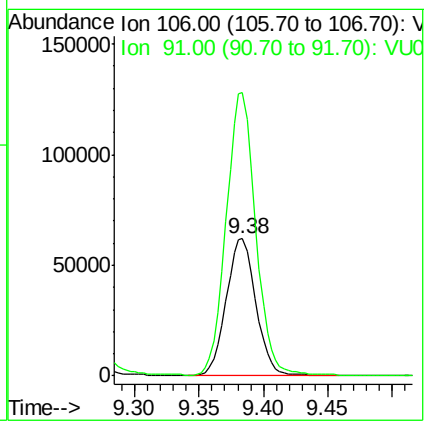


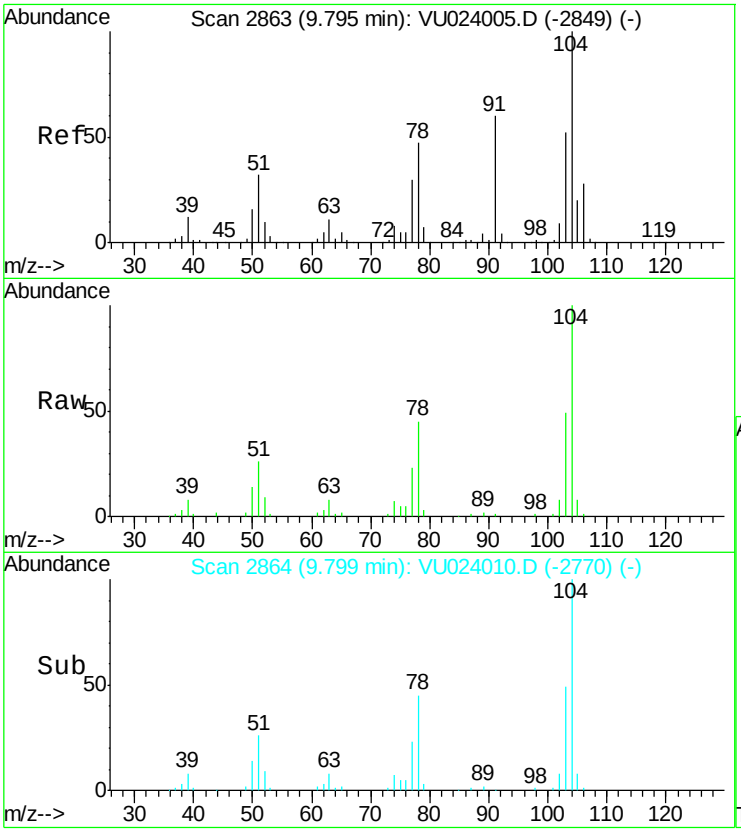


#53
m,p-Xylene
Concen: 24.46 ug/L
RT: 9.38 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:106 Resp: 98753

Ion	Ratio	Lower	Upper
106	100		
91	206.2	141.8	263.4

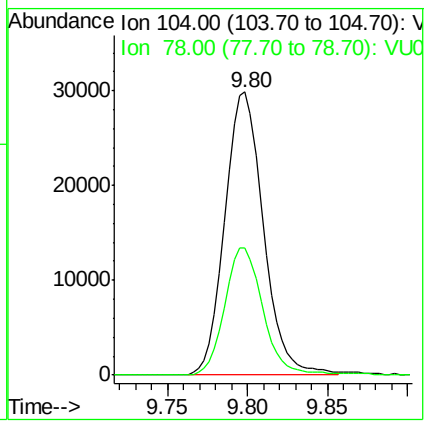


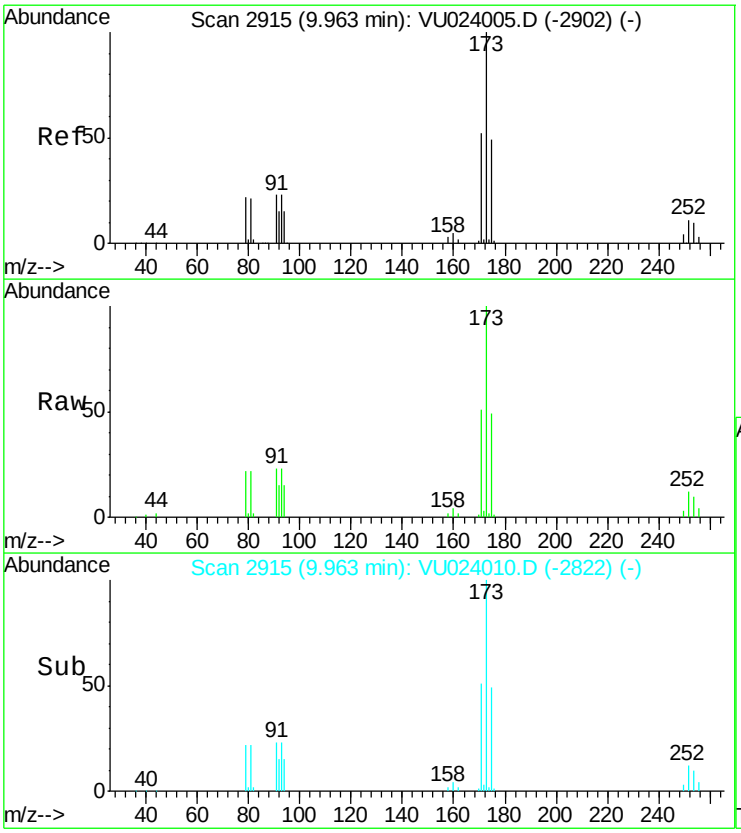


#55
Stvrene
Concen: 7.18 ug/L
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:104 Resp: 49235

Ion	Ratio	Lower	Upper
104	100		
78	45.0	32.0	59.4

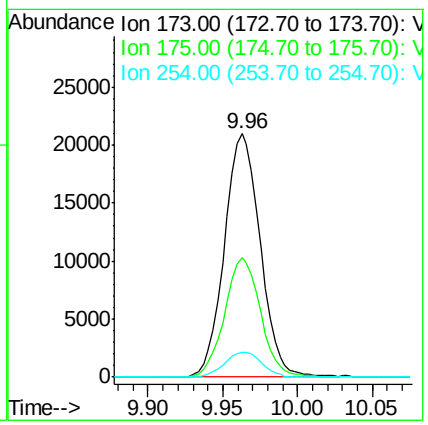


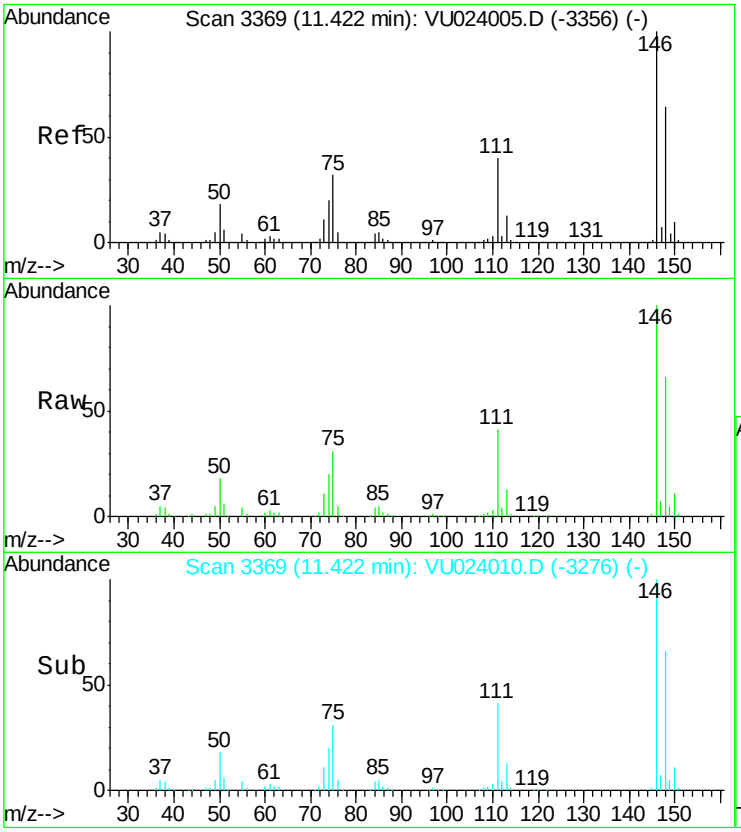


#61
Bromoform
Concen: 16.91 ug/L
RT: 9.96 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:173 Resp: 34986

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.7	58.1
254	10.4	8.9	13.3

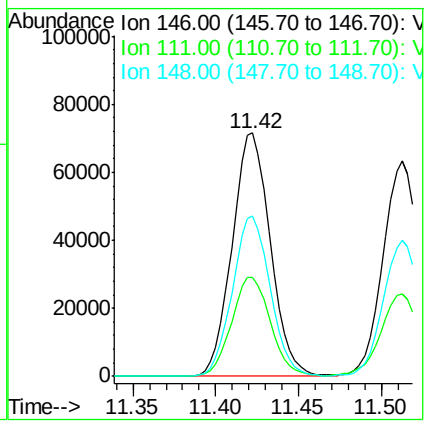


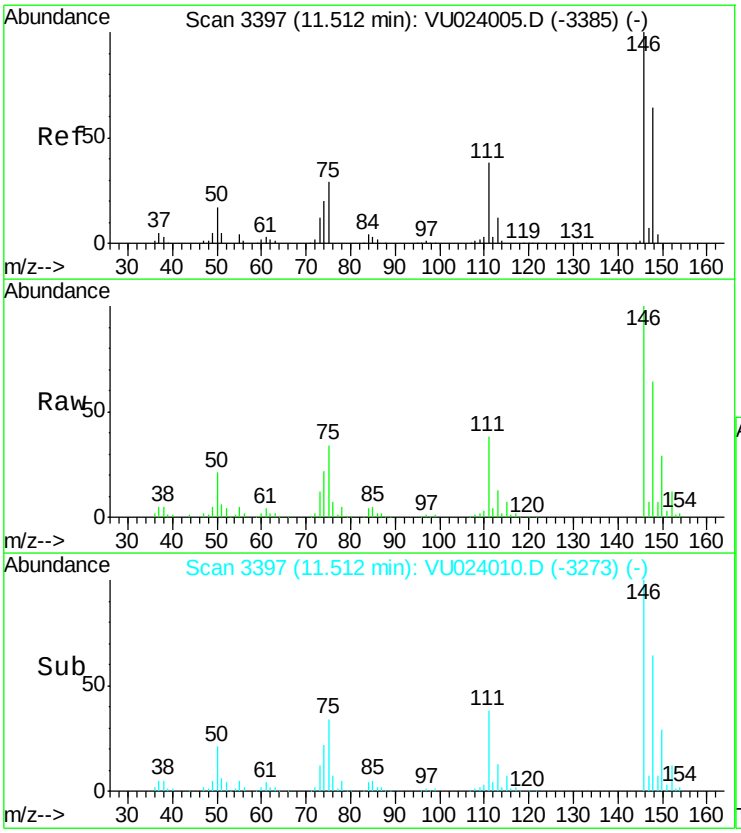


#62
1,3-Dichlorobenzene
Concen: 22.57 ug/L
RT: 11.42 min Scan# 3369
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:146 Resp: 115074

Ion	Ratio	Lower	Upper
146	100		
111	40.8	27.6	51.4
148	65.9	45.4	84.2

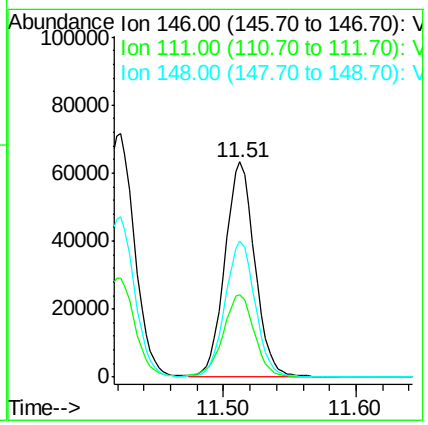


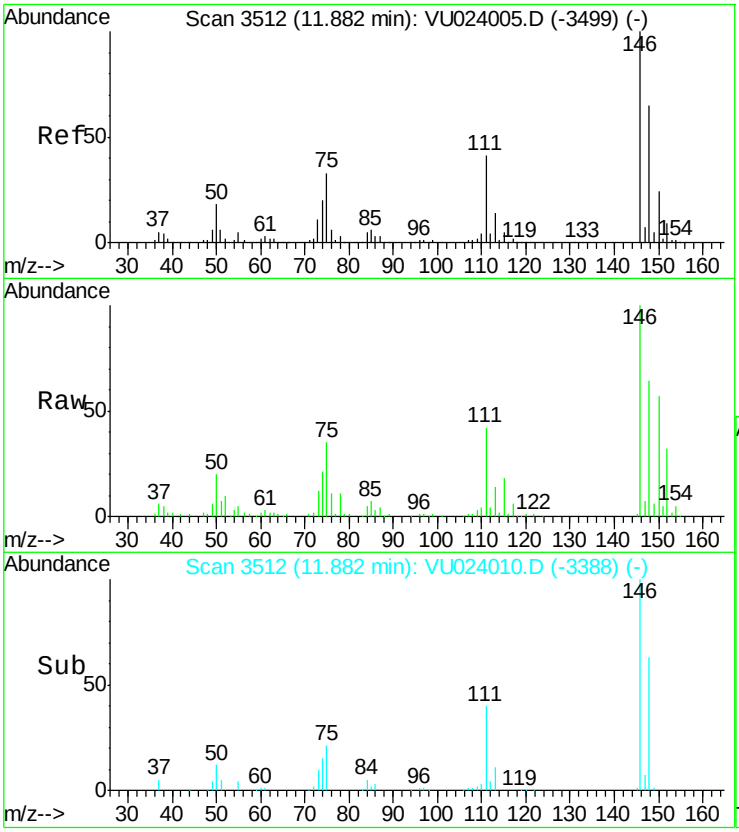


#63
1,4-Dichlorobenzene
Concen: 18.42 ug/L
RT: 11.51 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:146 Resp: 99503

Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.0	50.2
148	63.6	45.2	84.0





#65
1,2-Dichlorobenzene
Concen: 23.60 ug/L
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU024010.D
Acq: 22 May 2018 12:33

Tgt Ion:146 Resp: 129749

Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.1	48.1
148	63.6	49.8	74.8