Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041019\

Quantitation Report (Not Reviewed)

Data File : VV010231.D
Acq On : 11 Apr 2019 00:53
Operator : SY/MD
Sample : K2278-01
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:12:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 07:05:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	270633	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	269456	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	129383	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	68712	22.06	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.24%			
7) Chloroethane-d5	1.56	69	69800	26.07	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.28%			
10) 1,1-Dichloroethene-d2	2.12	63	174789	22.04	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 88.16%			
20) 2-Butanone-d5	3.93	46	49177	62.38	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 124.76%			
24) Chloroform-d	4.40	84	150996	24.43	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 97.72%			
26) 1,2-Dichloroethane-d4	5.08	65	97681	27.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 111.00%			
29) Benzene-d6	5.10	84	333527	25.67	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.68%			
33) 1,2-Dichloropropane-d6	6.12	67	100949	26.12	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.48%			
37) Toluene-d8	7.36	98	324217	25.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.36%			
38) trans-1,3-Dichloropropene-	7.66	79	42708	26.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 106.04%			
39) 2-Hexanone-d5	8.13	63	37239	55.79	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 111.58%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	97898	28.22	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 112.88%			
61) 1,2-Dichlorobenzene-d4	11.67	152	125844	26.34	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 105.36%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	65458	18.394	ug/L	99
6) Bromomethane	1.51	94	26745	8.623	ug/L	100
9) Trichlorofluoromethane	1.76	101	96060	12.394	ug/L	99
12) 1,1-Dichloroethene	2.13	96	72128	20.201	ug/L	85
13) Acetone	2.19	43	55420	65.793	ug/L	92
15) Methyl Acetate	2.45	43	66739	44.486	ug/L	95
16) Methylene chloride	2.53	84	53735	10.139	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	271418	35.128	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	33197	9.785	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	97191	26.329	ug/L	99
23) Bromochloromethane	4.29	128	29003	15.956	ug/L	98
25) Chloroform	4.42	83	15644	2.360	ug/L	86
27) 1,2-Dichloroethane	5.18	62	45660	10.763	ug/L	99
30) Cyclohexane	4.72	56	40357	7.998	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	52770	9.362	ug/L	100
32) Carbon tetrachloride	4.87	117	54317	10.341	ug/L	99
35) Trichloroethene	5.96	95	145497	36.867	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041019\

Quantitation Report (Not Reviewed)

Data File : VV010231.D
Acq On : 11 Apr 2019 00:53
Operator : SY/MD
Sample : K2278-01
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:12:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 07:05:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Methylcyclohexane	6.17	83	128368	21.768	ug/L		98
40) 1,2-Dichloropropane	6.22	63	44245	13.238	ug/L		98
41) Bromodichloromethane	6.55	83	89673	20.136	ug/L		99
42) cis-1,3-Dichloropropene	7.07	75	84329	16.650	ug/L		98
44) Toluene	7.43	91	300712	19.583	ug/L		100
45) trans-1,3-Dichloropropene	7.69	75	37175	8.746	ug/L		99
47) Tetrachloroethene	8.02	164	120008	34.302	ug/L		95
49) 2-Hexanone	8.18	43	52272	36.753	ug/L		98
50) Dibromochloromethane	8.29	129	68866	19.857	ug/L		97
53) Ethylbenzene	9.05	91	236486	13.966	ug/L		100
54) m,p-Xylene	9.19	106	60465	9.052	ug/L		96
55) o-xylene	9.59	106	77114	11.593	ug/L		90
56) Styrene	9.59	104	4916	0.464	ug/L	#	1
57) Isopropylbenzene	9.97	105	194171	11.485	ug/L		98
59) 1,2,3-Trichloropropane	11.30	75	16579	6.429	ug/L		92
63) 1,3-Dichlorobenzene	11.23	146	161426	20.122	ug/L		96
65) 1,2-Dichlorobenzene	11.69	146	77620	10.136	ug/L		99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8551	19.739	ug/L		92
67) 1,3,5-Trichlorobenzene	12.69	180	133837	22.514	ug/L		99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041019\

Quantitation Report (Not Reviewed)

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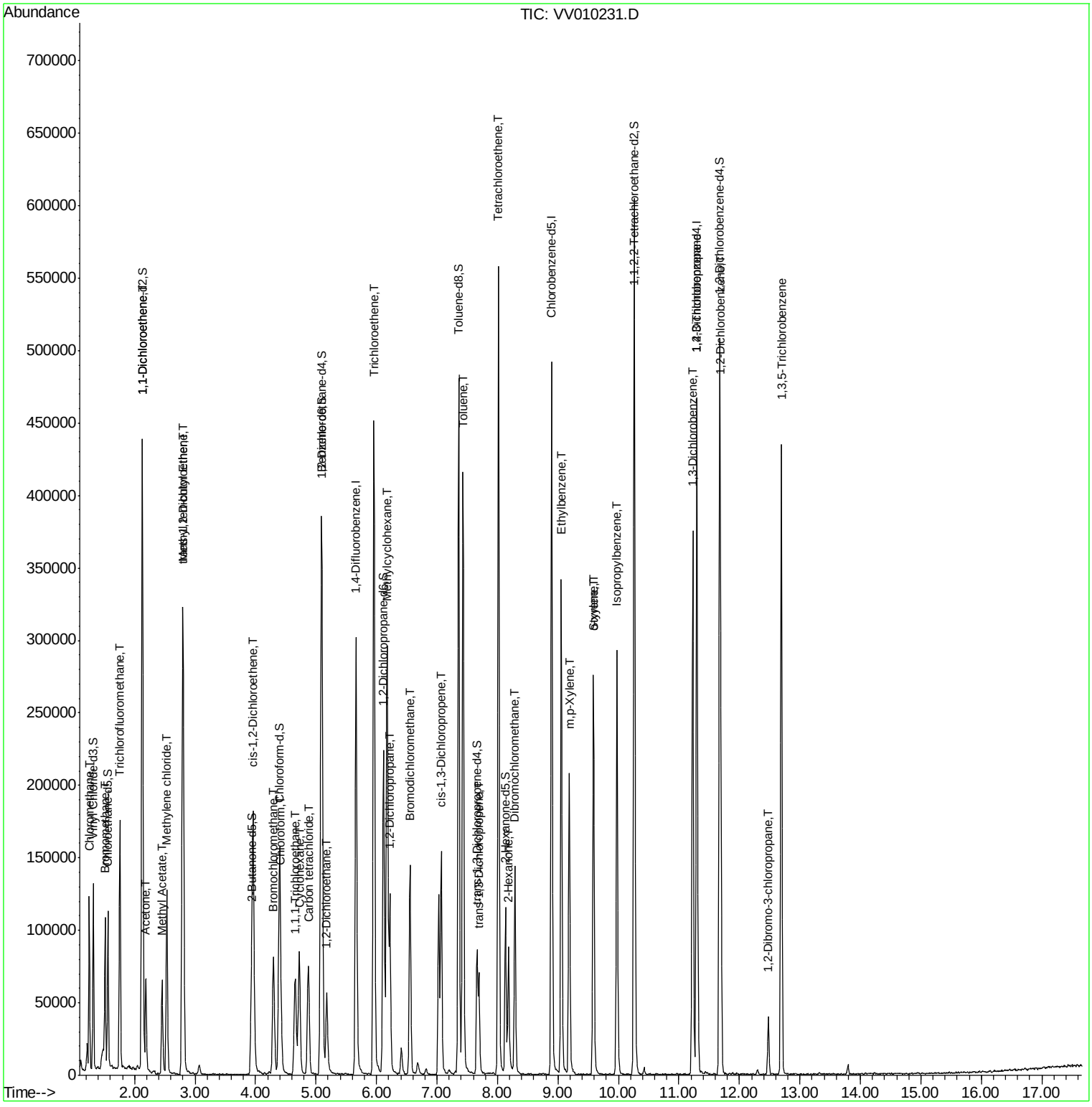
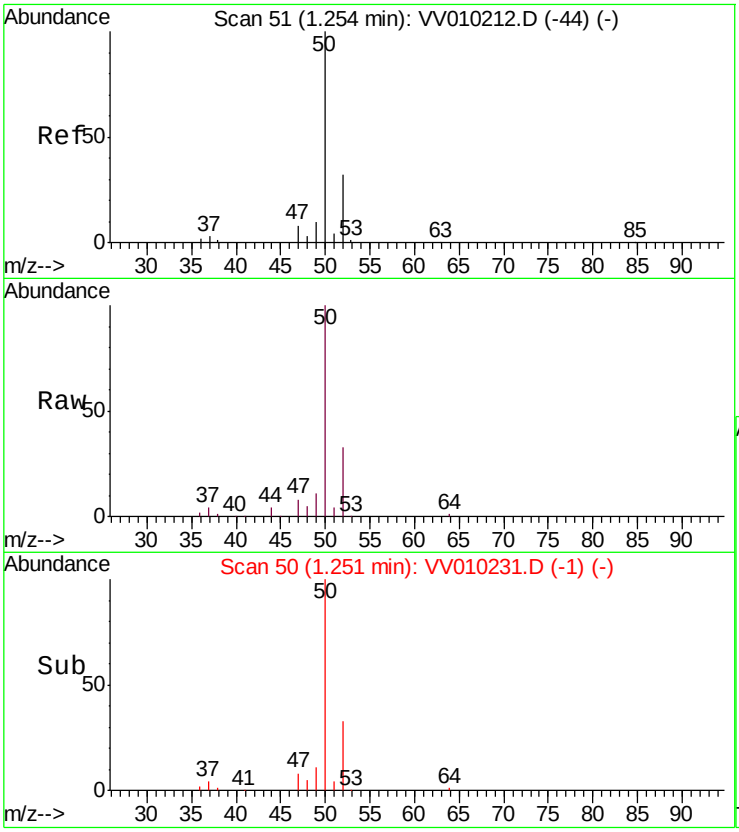
Acq On : 11 Apr 2019 00:53
Operator : SY/MD
Sample : K2278-01
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:12:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 07:05:16 2019
Response via : Initial Calibration

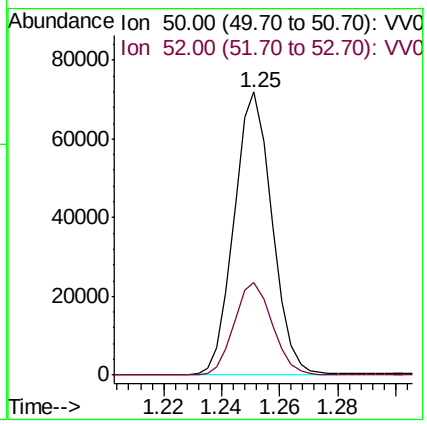


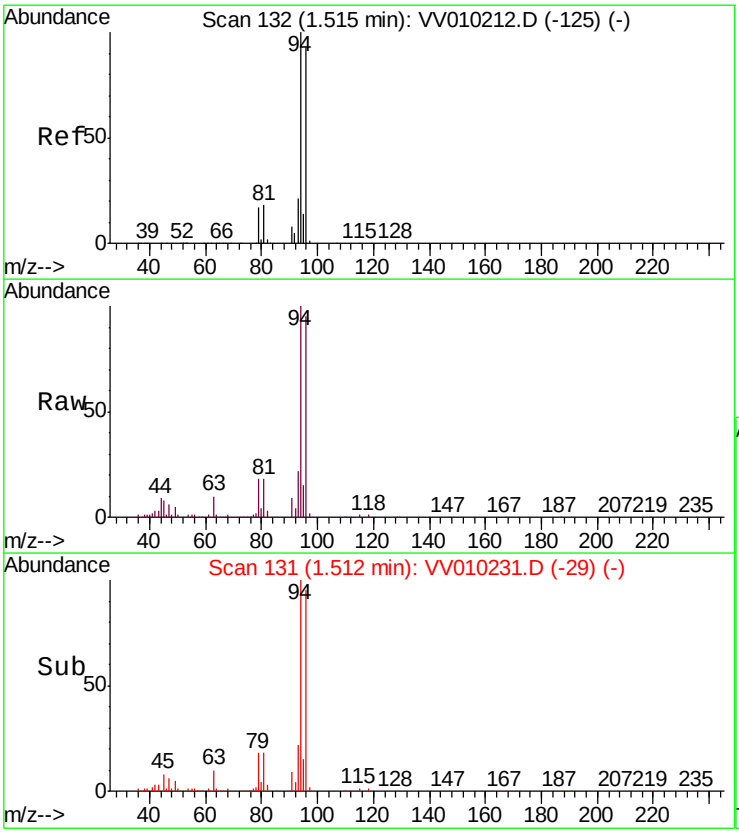


#3
Chloromethane
Concen: 18.394 ug/L
RT: 1.25 min Scan# 50
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 50 Resp: 65458

Ion	Ratio	Lower	Upper
50	100		
52	32.6	22.4	41.6

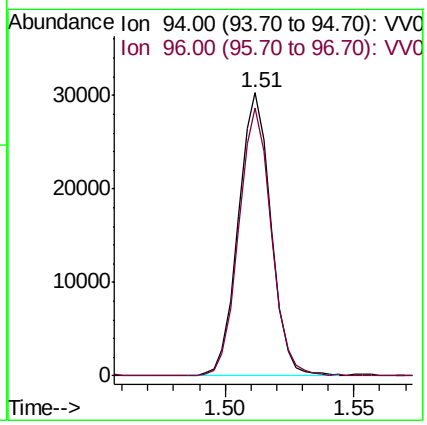


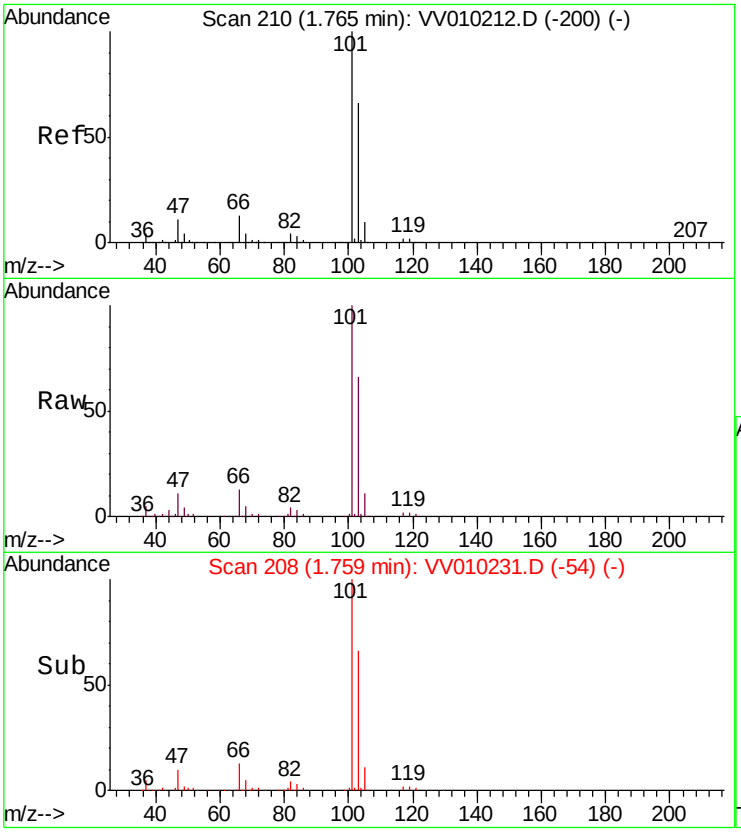


#6
Bromomethane
Concen: 8.623 ug/L
RT: 1.51 min Scan# 131
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 94 Resp: 26745

Ion	Ratio	Lower	Upper
94	100		
96	94.6	9.4	179.0

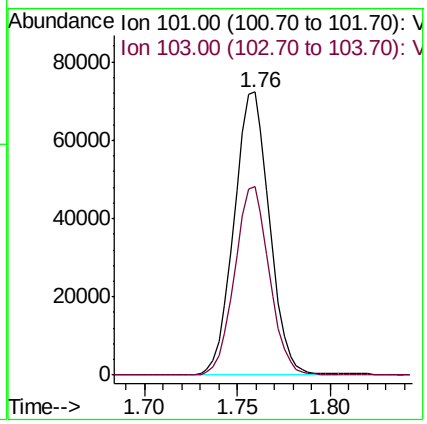


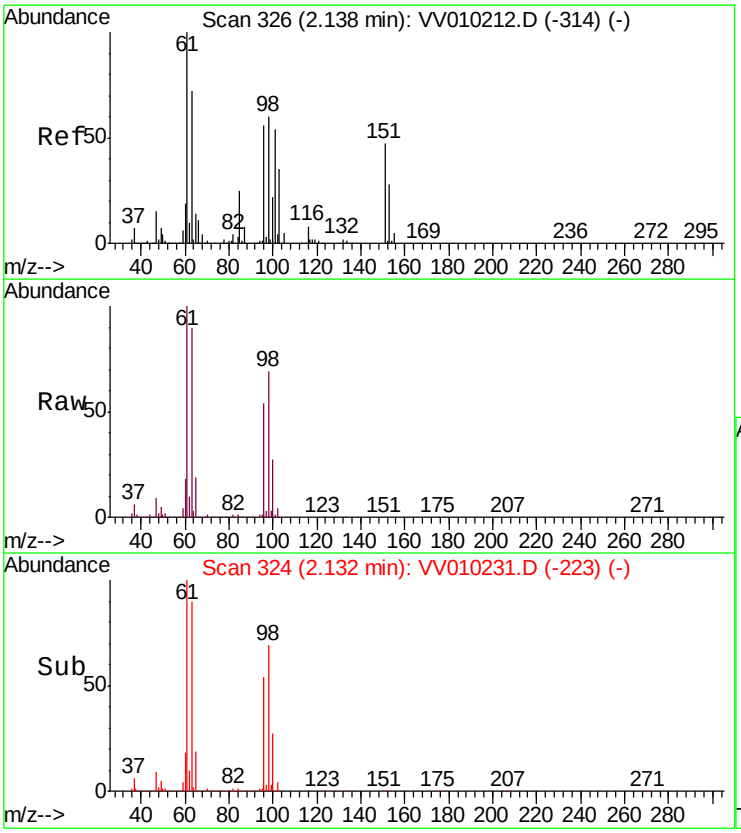


#9
Trichlorofluoromethane
Concen: 12.394 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.01 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:101 Resp: 96060

Ion	Ratio	Lower	Upper
101	100		
103	65.0	44.8	83.2

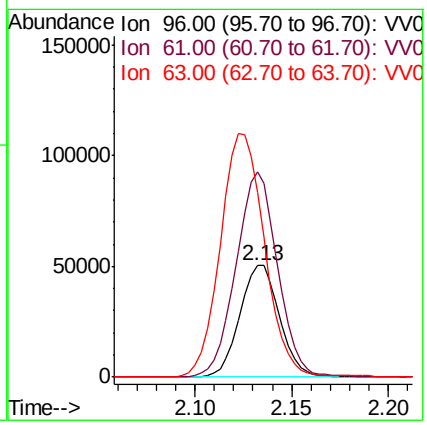


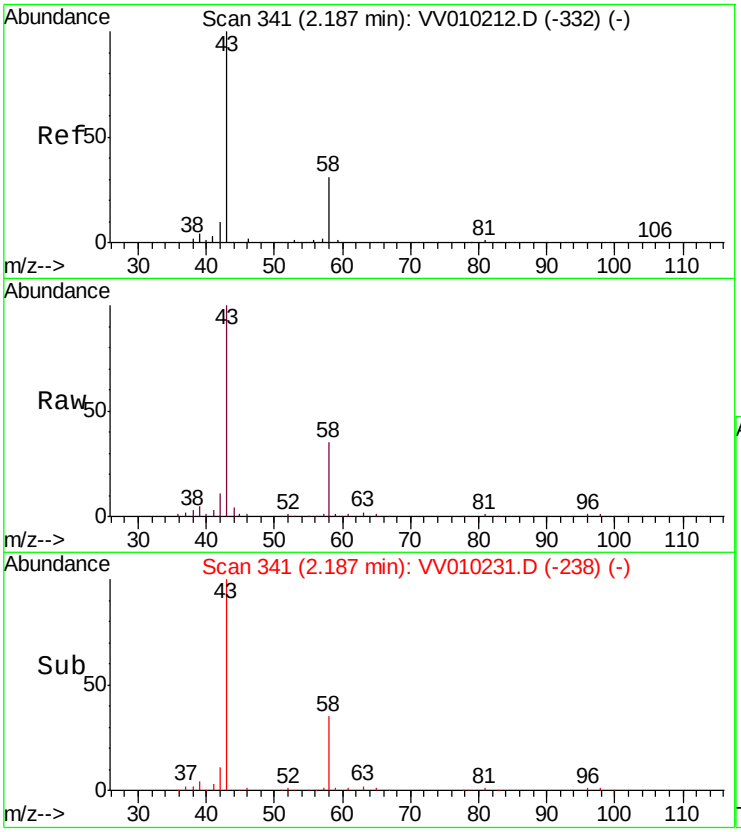


#12
1,1-Dichloroethene
Concen: 20.201 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.01 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 96 Resp: 72128

Ion	Ratio	Lower	Upper
96	100		
61	184.2	125.3	232.7
63	165.7	91.3	169.6

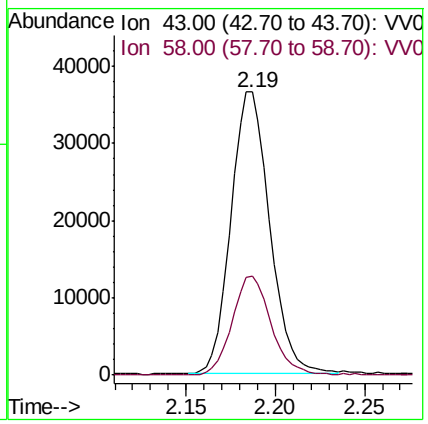


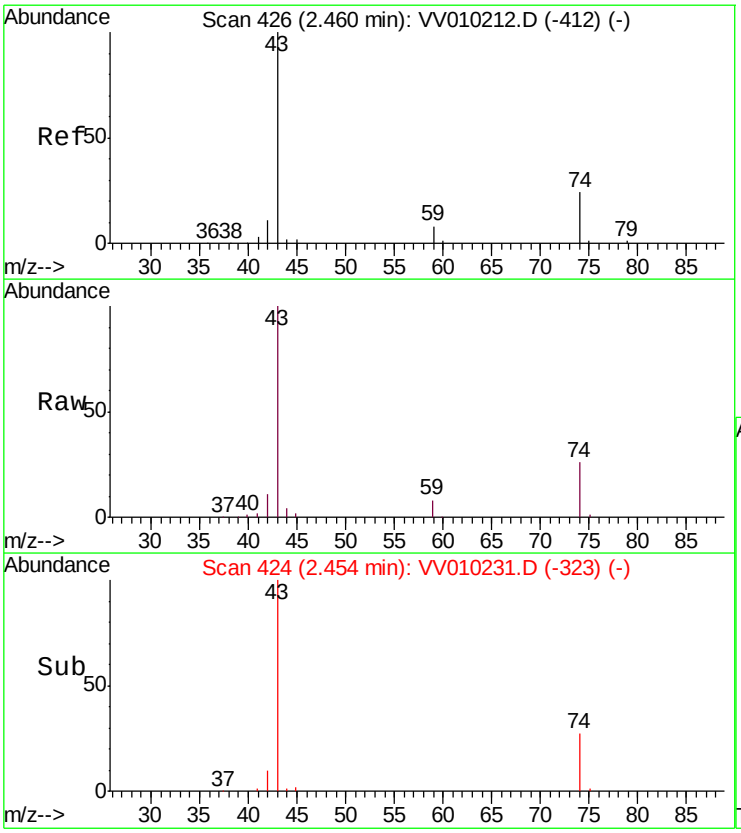


#13
Acetone
Concen: 65.793 ug/L
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 43 Resp: 55420

Ion	Ratio	Lower	Upper
43	100		
58	35.2	0.0	61.6

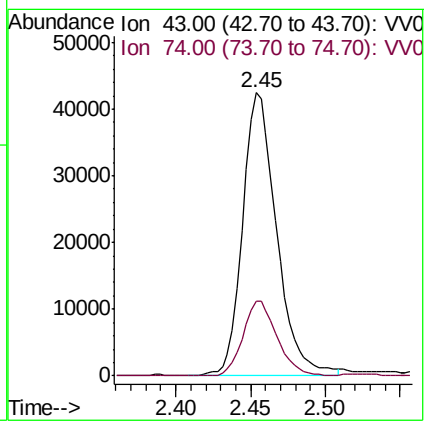


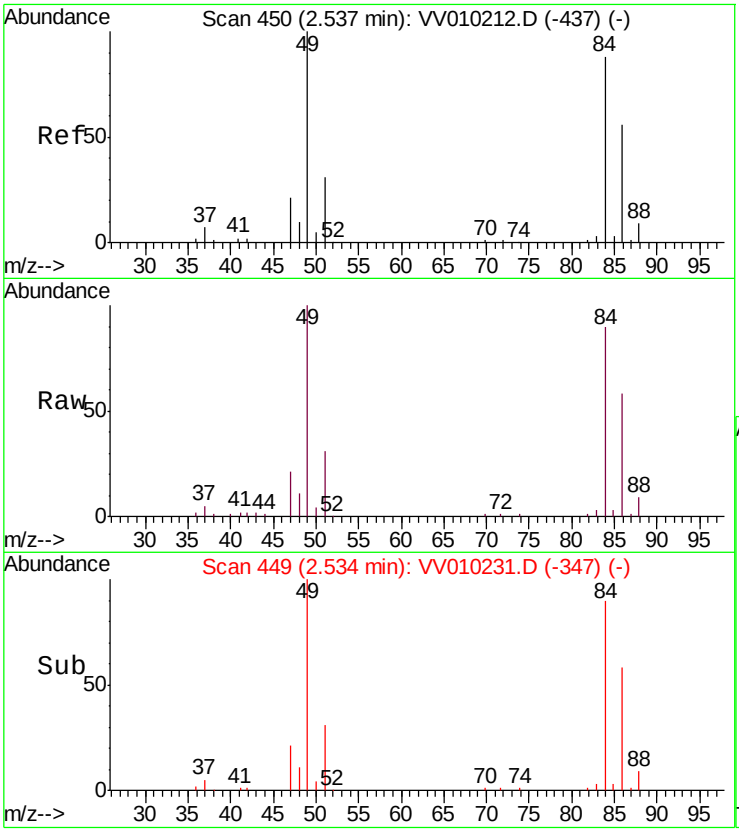


#15
Methyl Acetate
Concen: 44.486 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 43 Resp: 66739

Ion	Ratio	Lower	Upper
43	100		
74	26.6	19.3	28.9

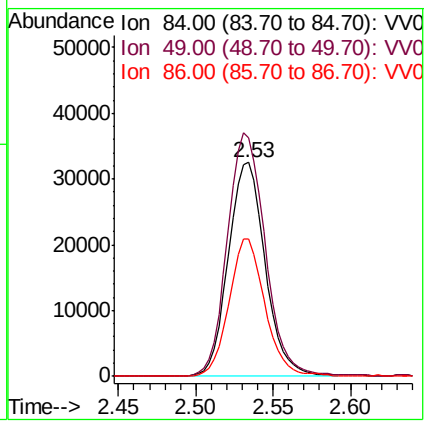


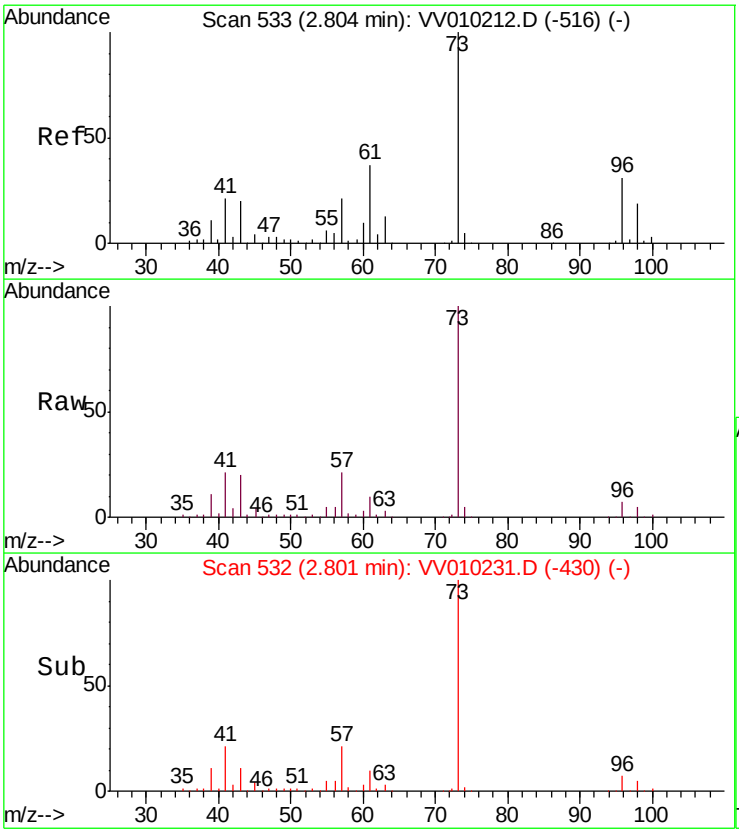


#16
Methylene chloride
Concen: 10.139 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 84 Resp: 53735

Ion	Ratio	Lower	Upper
84	100		
49	111.4	79.9	148.5
86	64.4	44.5	82.7

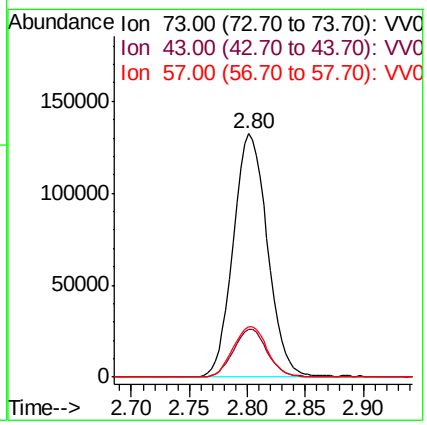


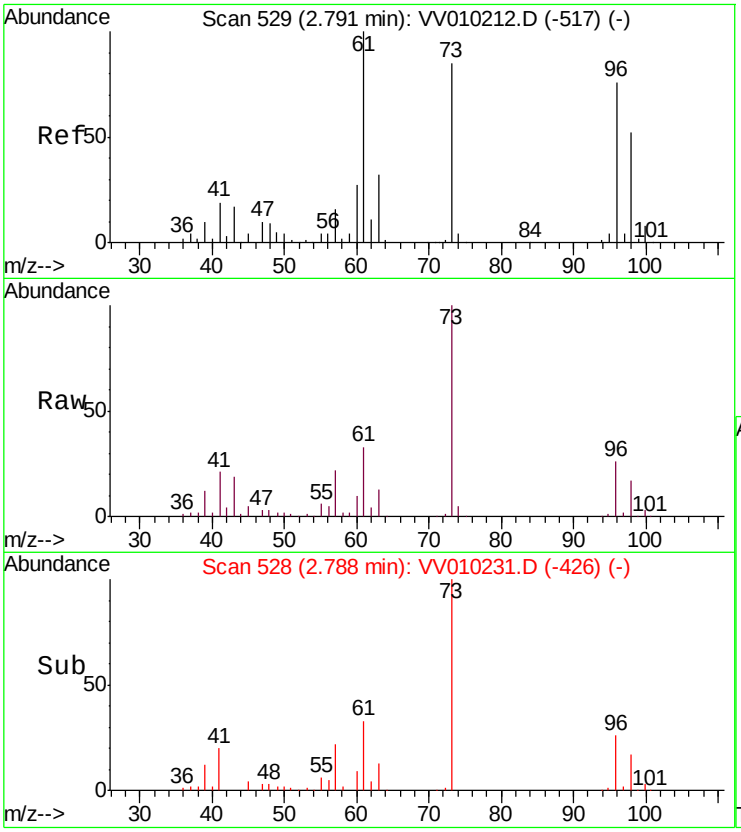


#17
Methyl tert-butyl Ether
Concen: 35.128 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 73 Resp: 271418

Ion	Ratio	Lower	Upper
73	100		
43	19.4	16.0	24.0
57	20.7	16.6	24.8

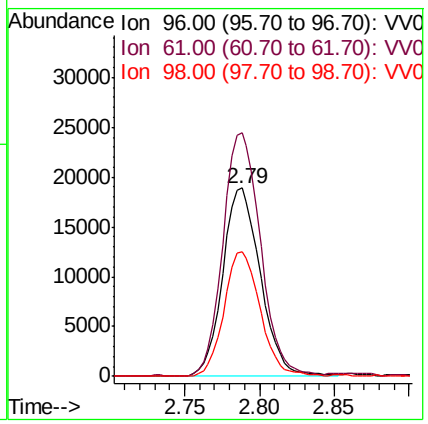


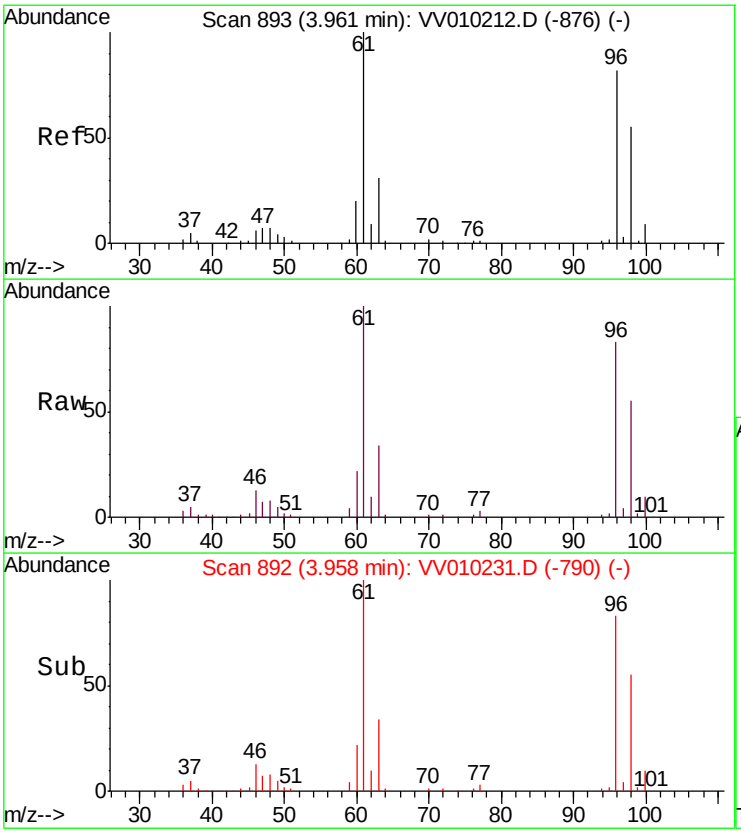


#18
trans-1,2-Dichloroethene
Concen: 9.785 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 96 Resp: 33197

Ion	Ratio	Lower	Upper
96	100		
61	129.2	92.5	171.9
98	66.1	47.9	89.1

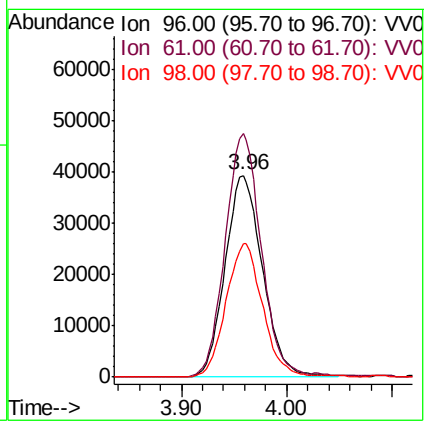


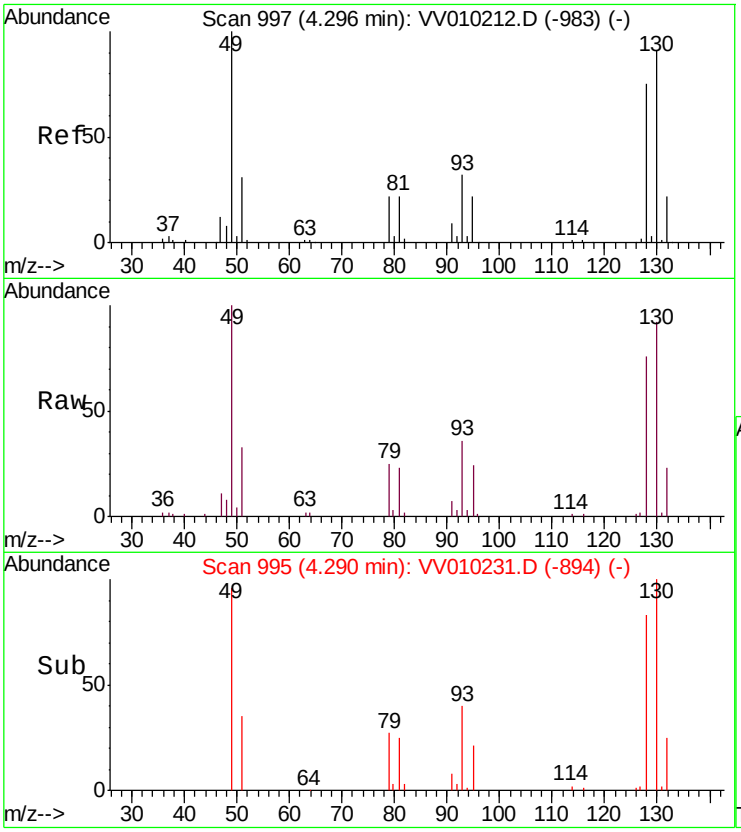


#22
cis-1,2-Dichloroethene
Concen: 26.329 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 96 Resp: 97191

Ion	Ratio	Lower	Upper
96	100		
61	120.6	84.9	157.7
98	66.1	47.0	87.4

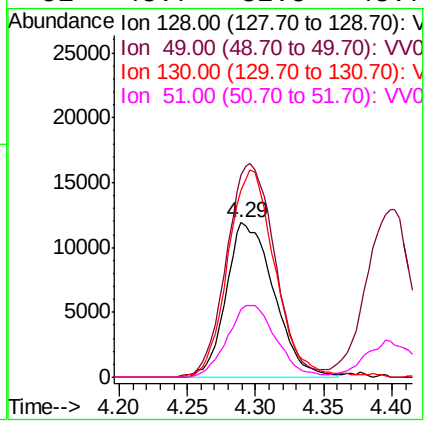


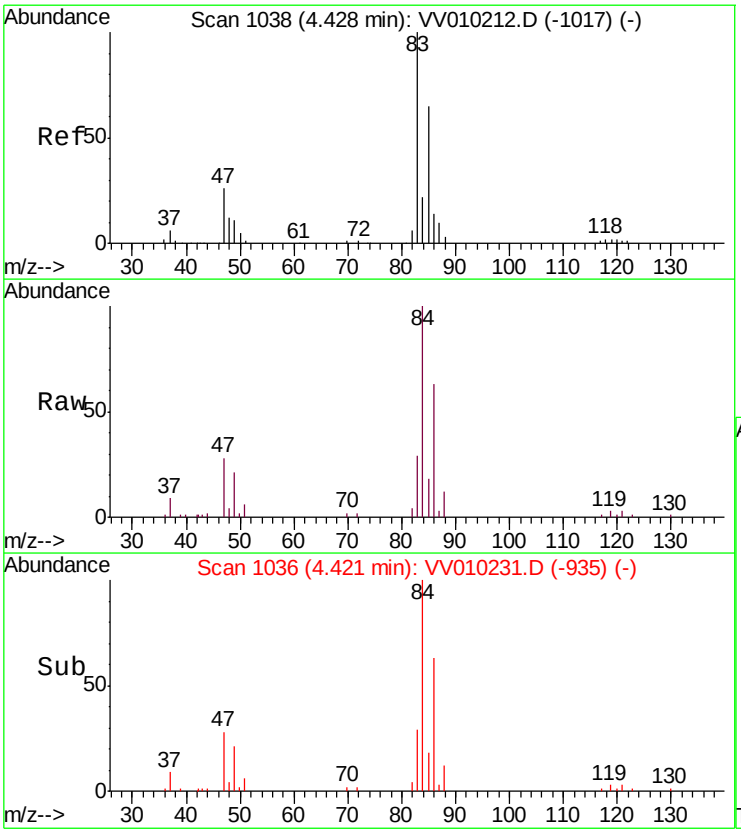


#23
Bromochloromethane
Concen: 15.956 ug/L
RT: 4.29 min Scan# 995
Delta R.T. -0.01 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:128 Resp: 29003

Ion	Ratio	Lower	Upper
128	100		
49	131.0	93.4	173.4
130	120.3	84.5	156.9
51	43.7	32.5	48.7

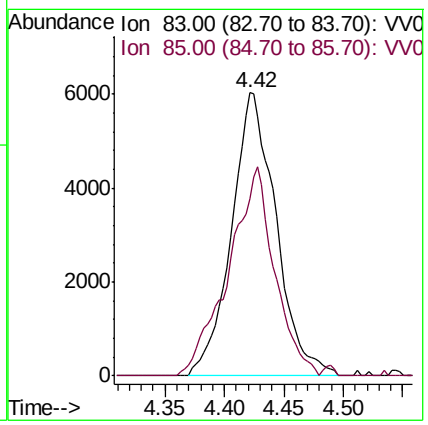


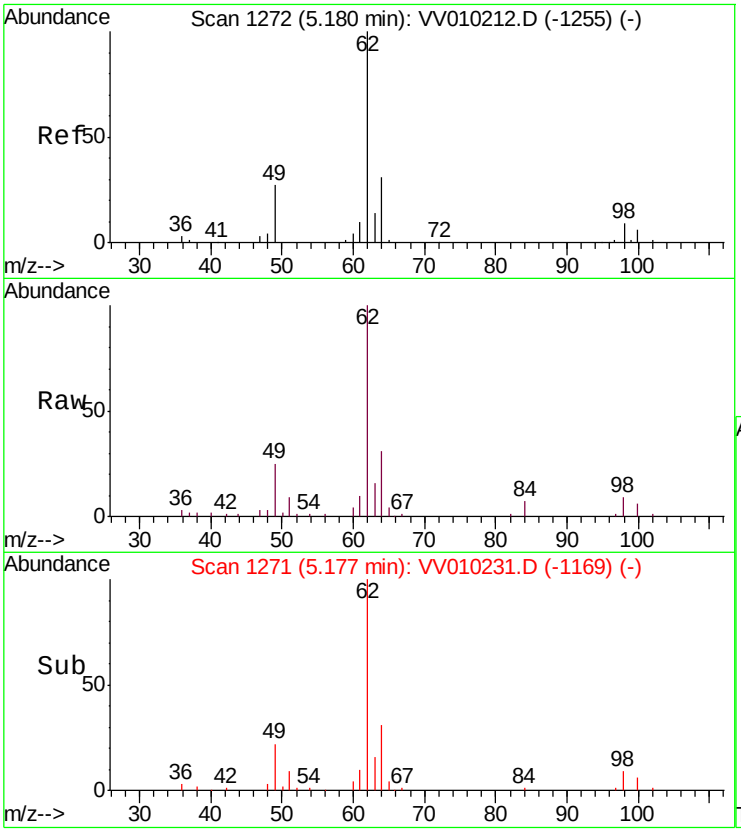


#25
Chloroform
Concen: 2.360 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 83 Resp: 15644

Ion	Ratio	Lower	Upper
83	100		
85	76.2	45.4	84.2

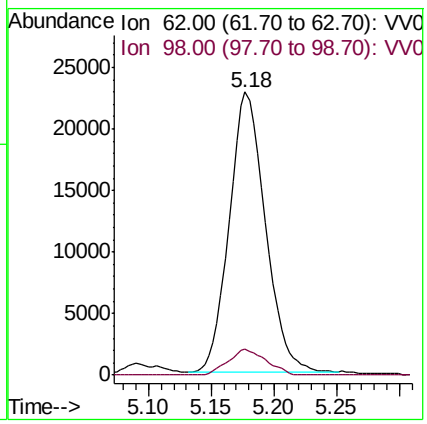


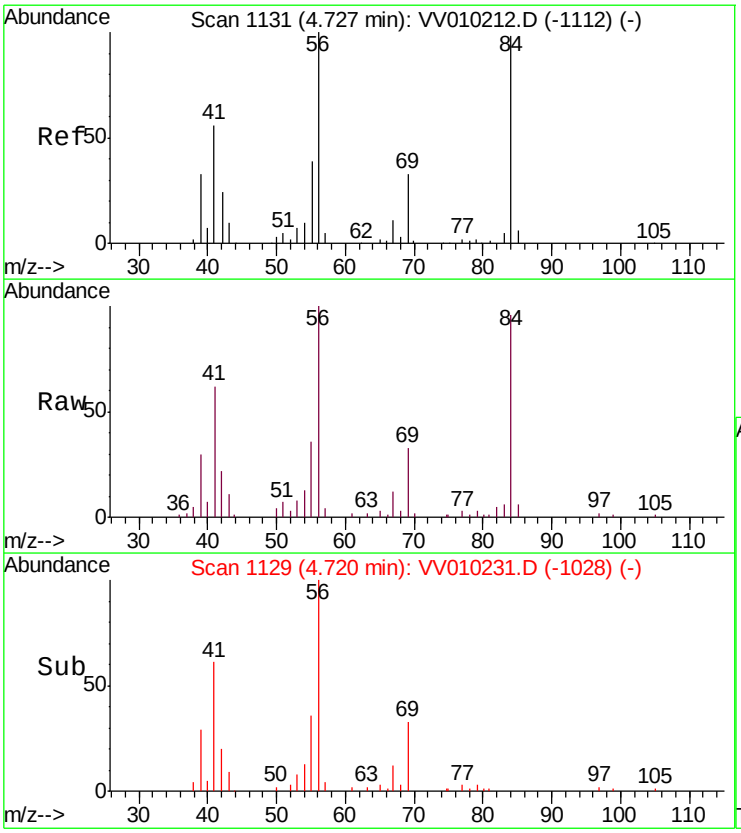


#27
1,2-Dichloroethane
Concen: 10.763 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 62 Resp: 45660

Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.4	11.2

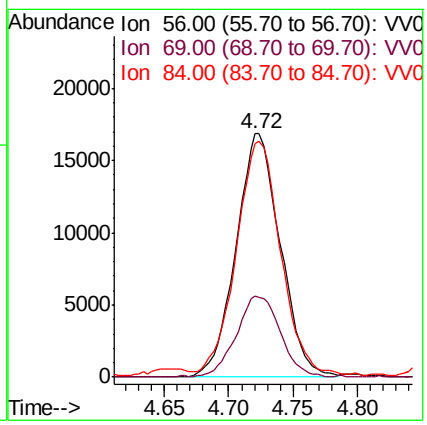


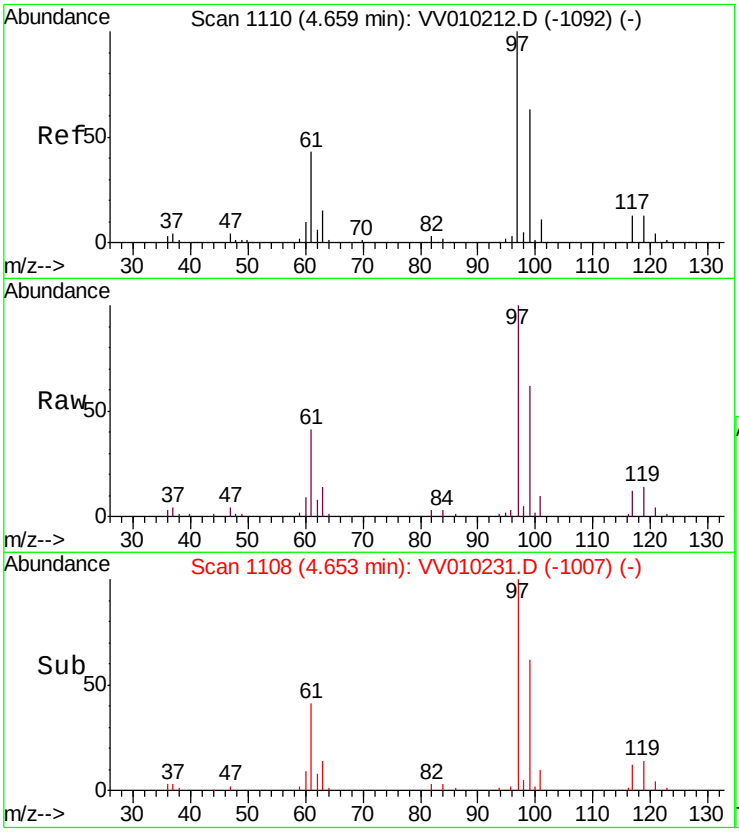


#30
Cyclohexane
Concen: 7.998 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 56 Resp: 40357

Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.7	38.5
84	96.3	77.5	116.3

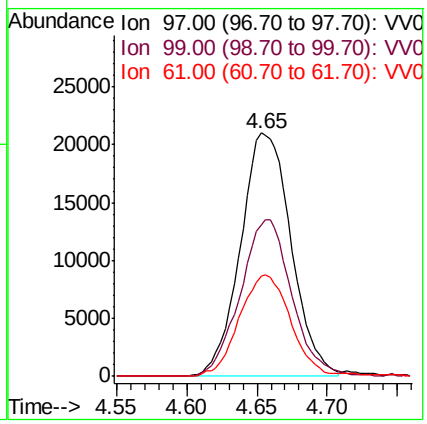


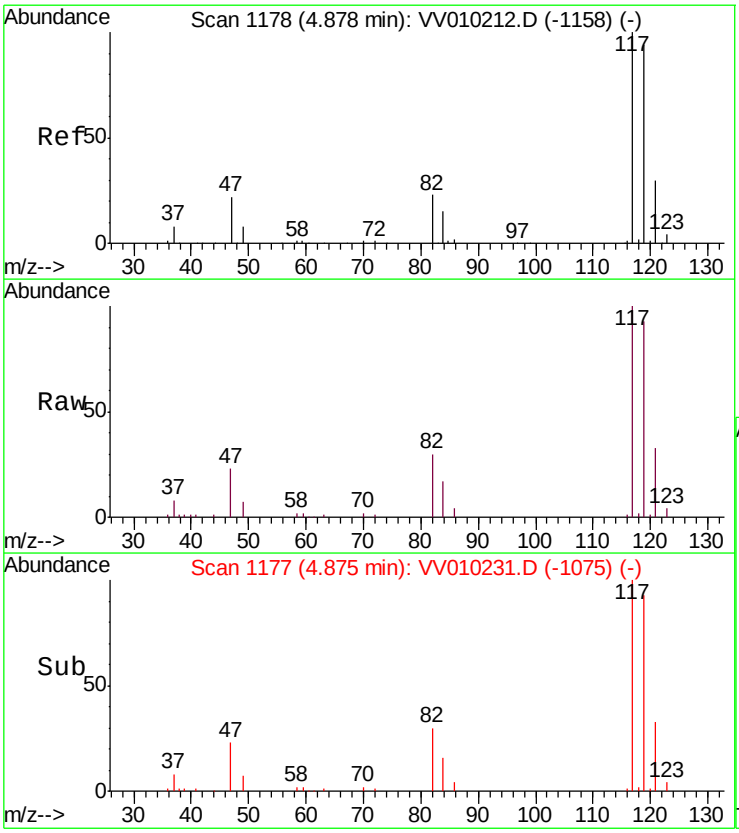


#31
1,1,1-Trichloroethane
Concen: 9.362 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 97 Resp: 52770

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	41.9	33.4	50.0

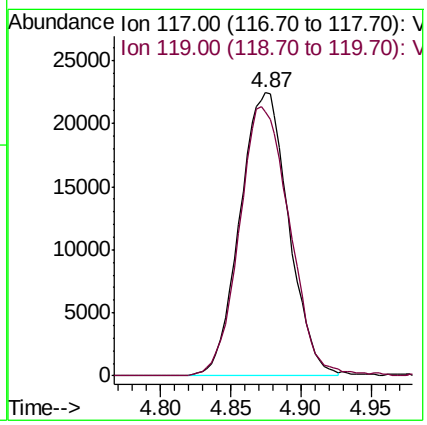


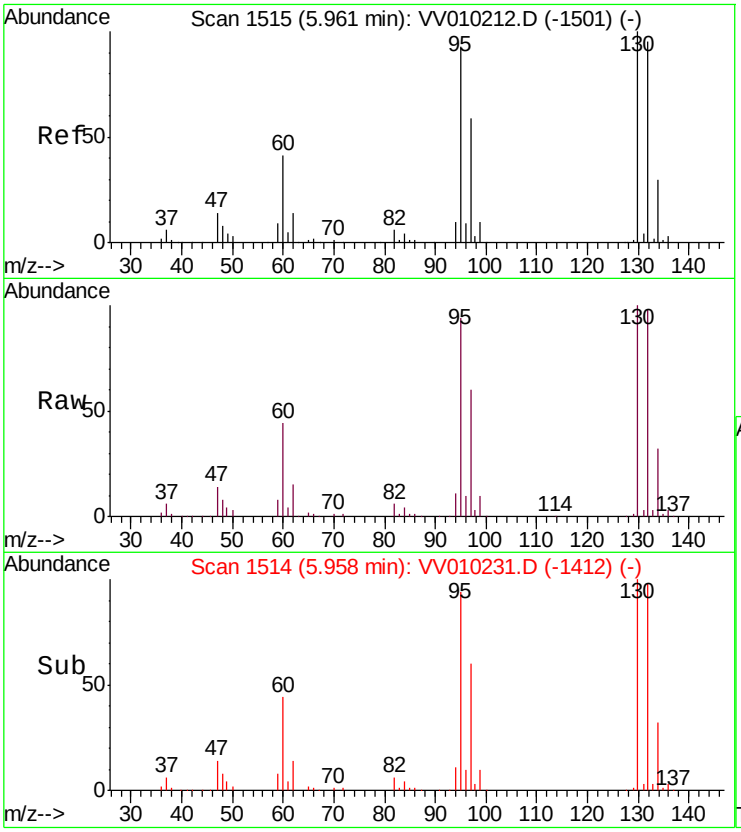


#32
Carbon tetrachloride
Concen: 10.341 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:117 Resp: 54317

Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.6	116.4

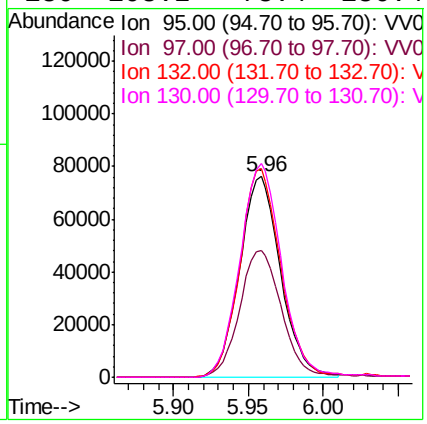


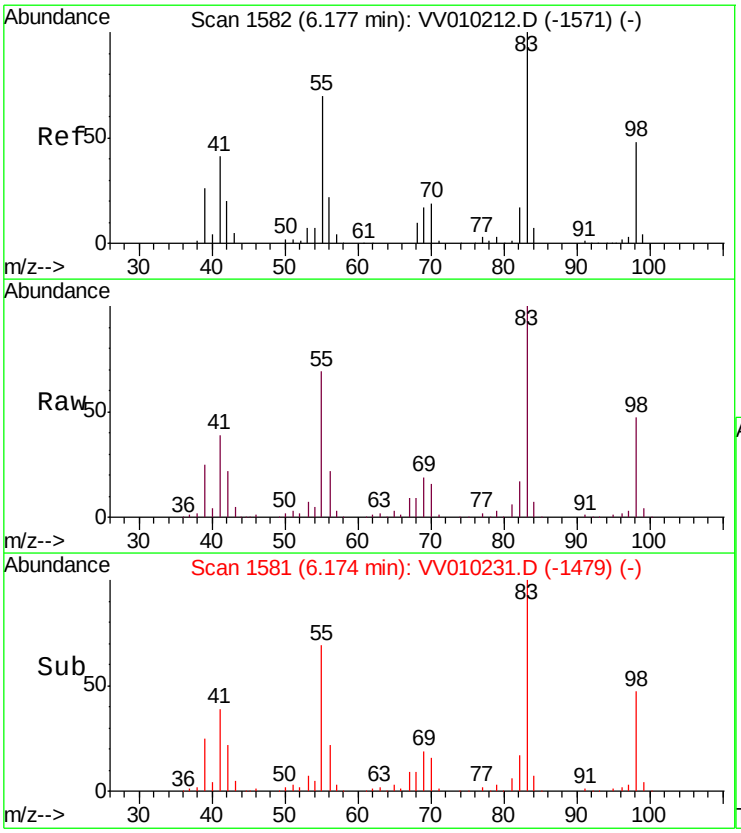


#35
Trichloroethene
Concen: 36.867 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 95 Resp: 145497

Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.3	82.3
132	103.2	71.3	132.3
130	108.2	73.4	136.4

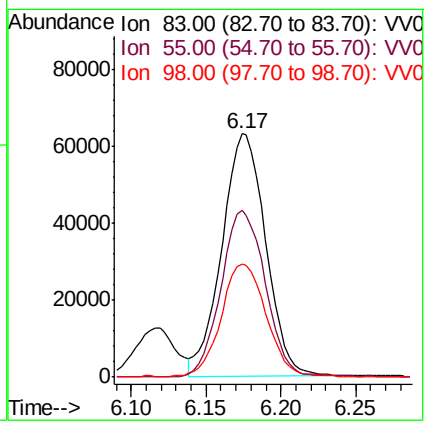


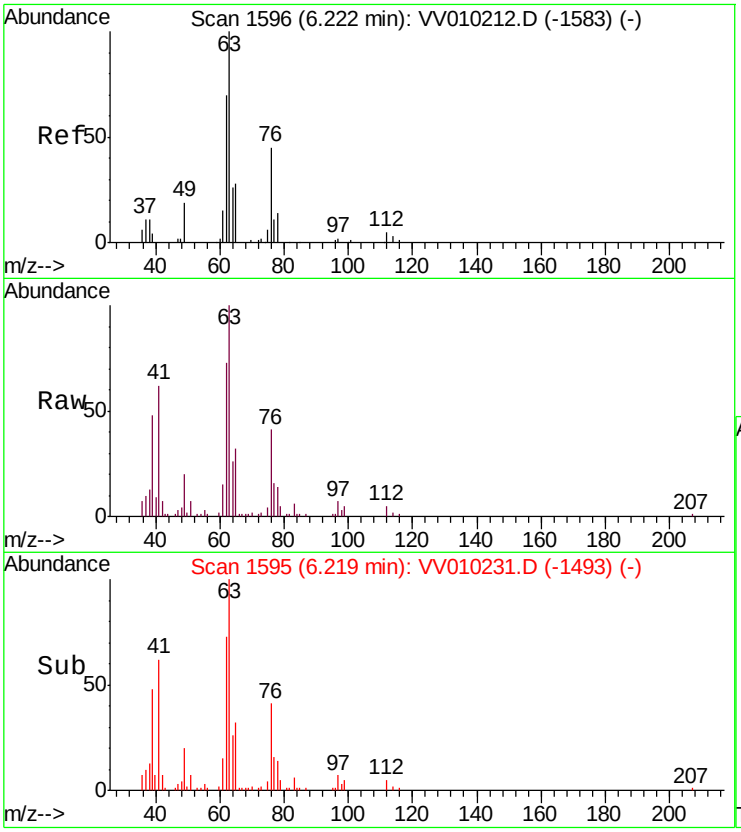


#36
Methylcyclohexane
Concen: 21.768 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 83 Resp: 128368

Ion	Ratio	Lower	Upper
83	100		
55	68.7	55.7	83.5
98	47.8	39.4	59.2

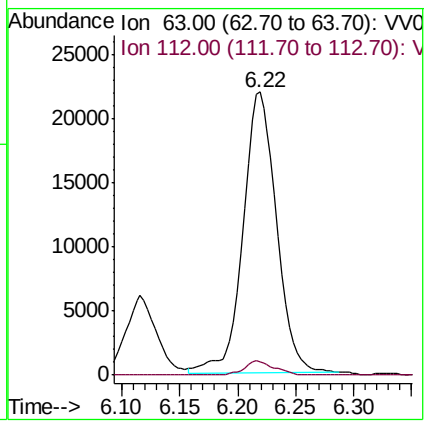


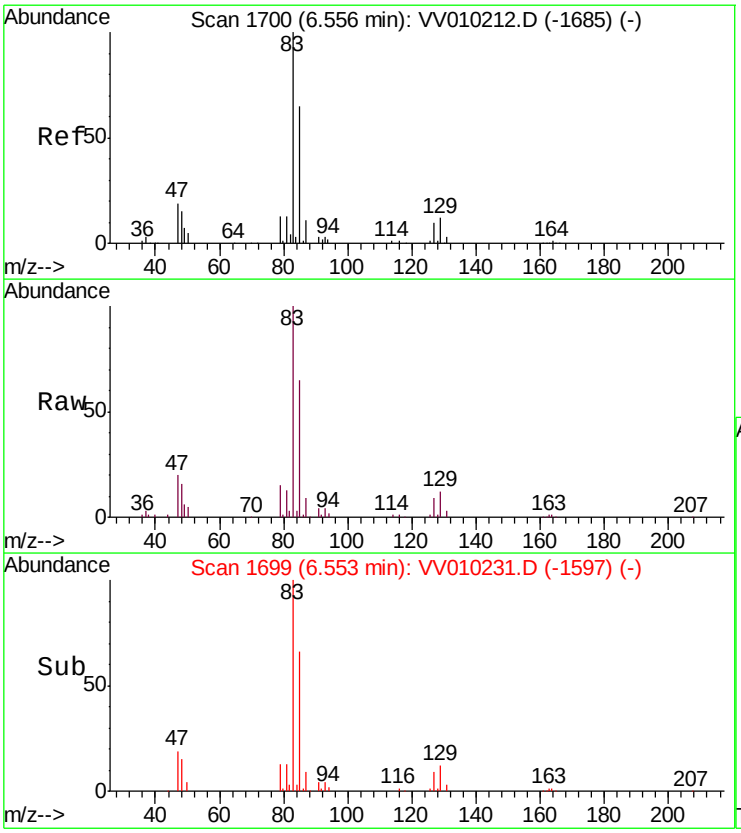


#40
1,2-Dichloropropane
Concen: 13.238 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 63 Resp: 44245

Ion	Ratio	Lower	Upper
63	100		
112	4.5	4.0	6.0

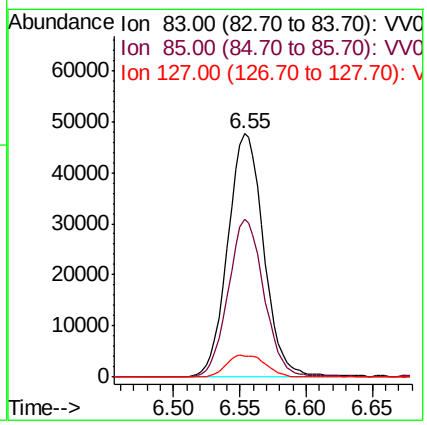


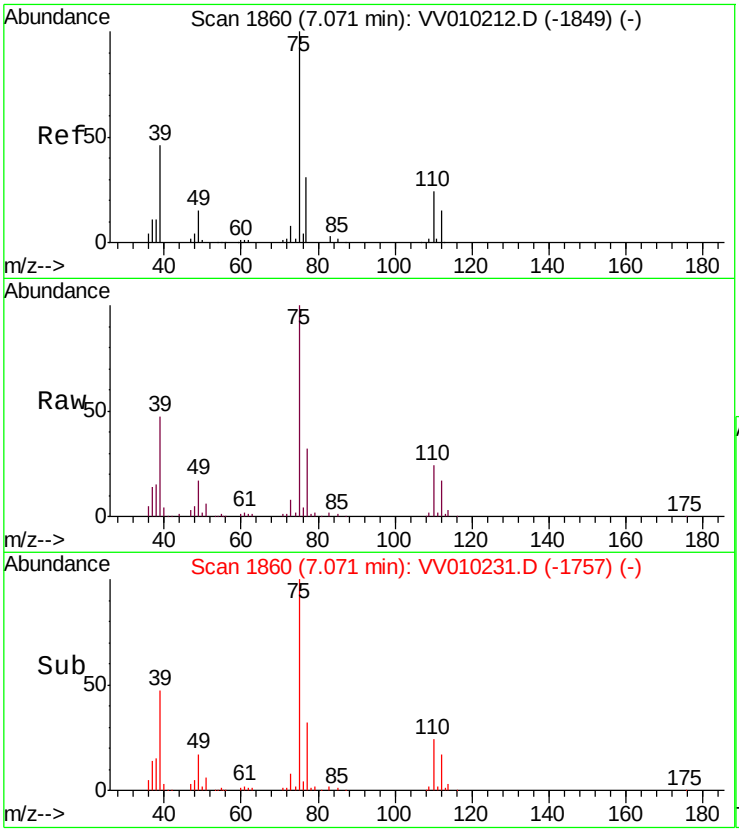


#41
Bromodichloromethane
Concen: 20.136 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 83 Resp: 89673

Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.7	84.9
127	8.8	8.2	12.2

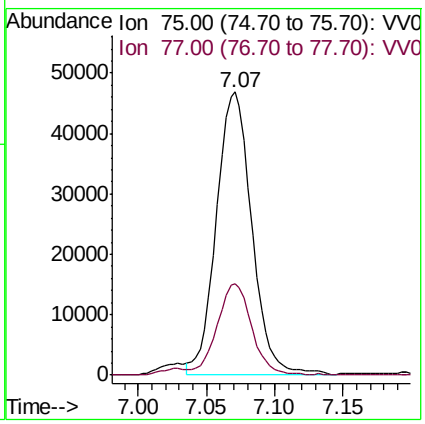


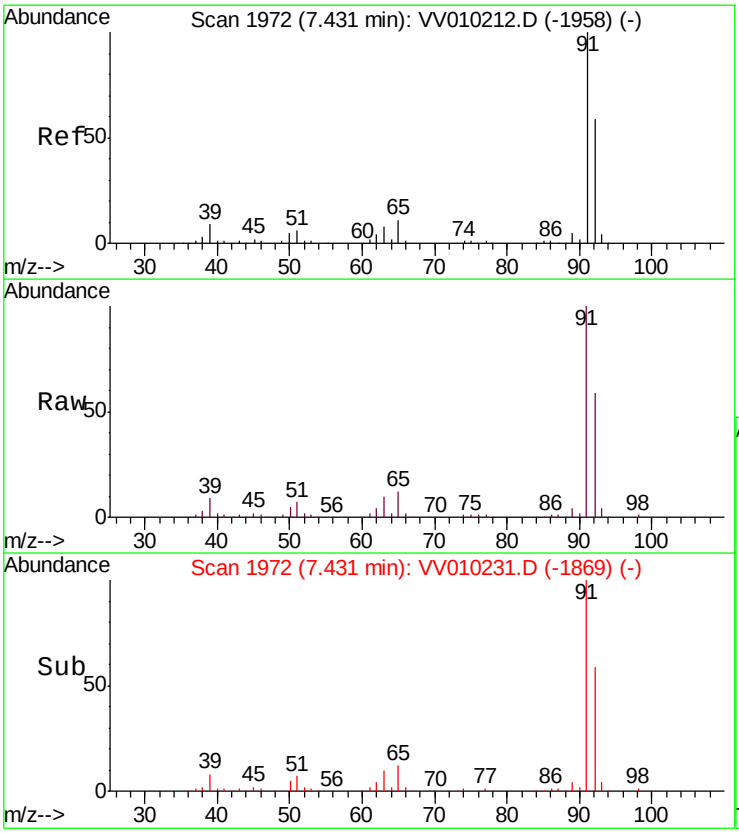


#42
cis-1,3-Dichloropropene
Concen: 16.650 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 75 Resp: 84329

Ion	Ratio	Lower	Upper
75	100		
77	32.4	21.9	40.7

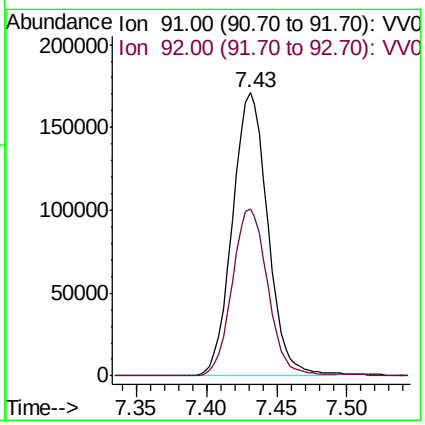


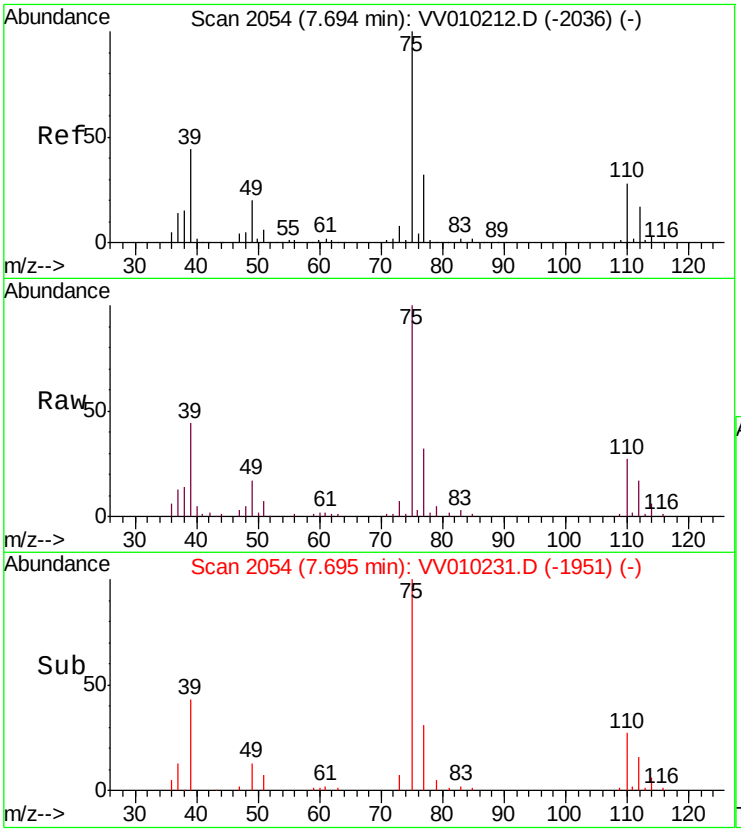


#44
Toluene
Concen: 19.583 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 91 Resp: 300712

Ion	Ratio	Lower	Upper
91	100		
92	58.9	41.0	76.2

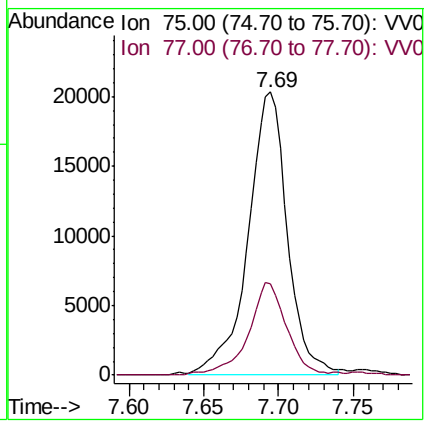


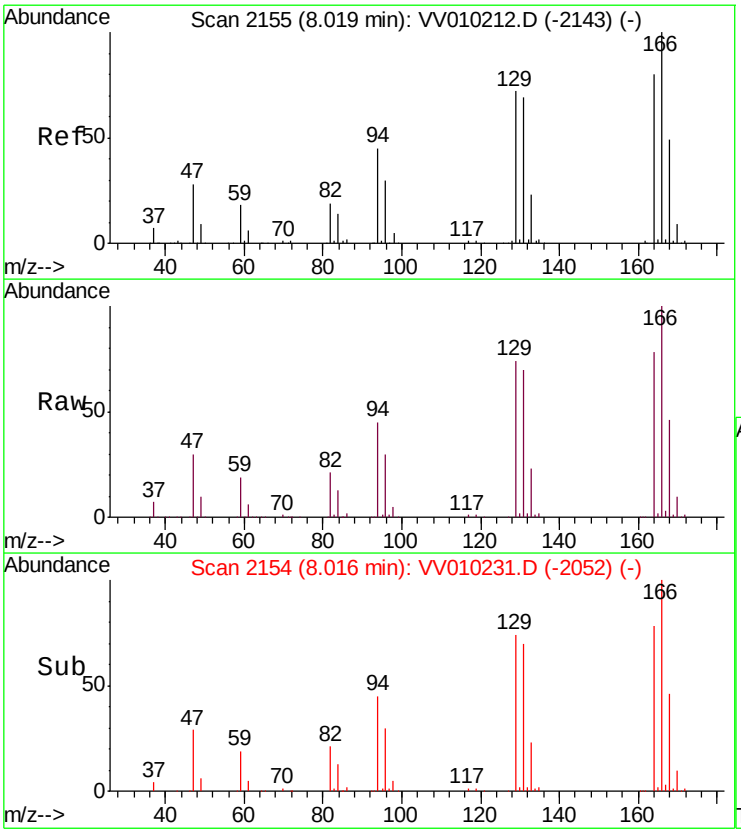


#45
trans-1,3-Dichloropropene
Concen: 8.746 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 75 Resp: 37175

Ion	Ratio	Lower	Upper
75	100		
77	32.3	22.4	41.6

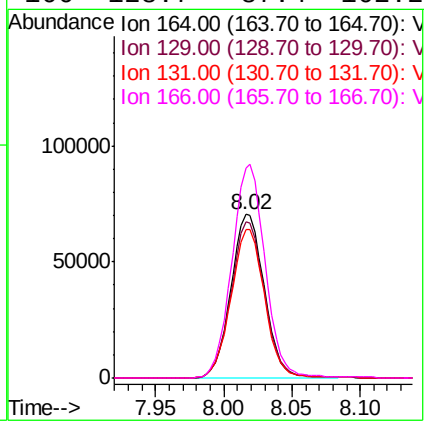


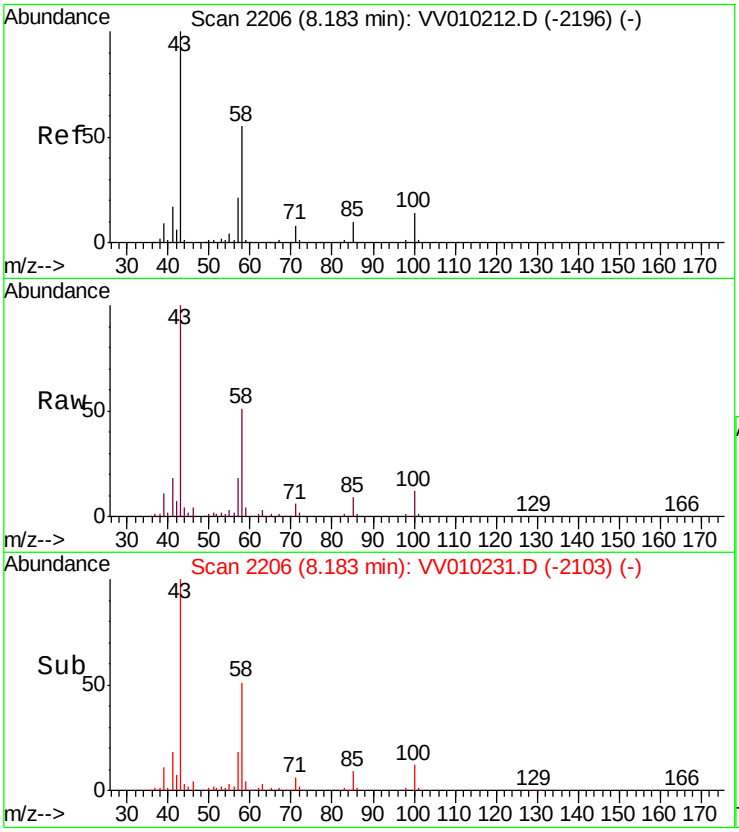


#47
Tetrachloroethene
Concen: 34.302 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:164 Resp: 120008

Ion	Ratio	Lower	Upper
164	100		
129	95.3	62.6	116.2
131	90.7	60.0	111.4
166	128.7	87.4	162.2

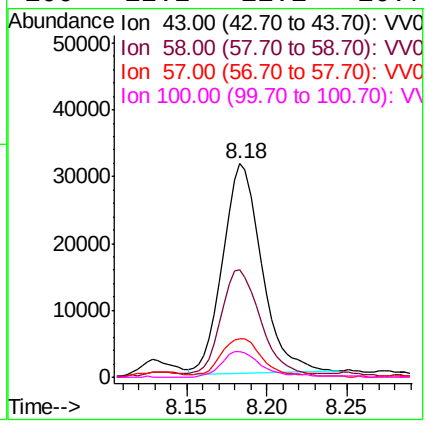


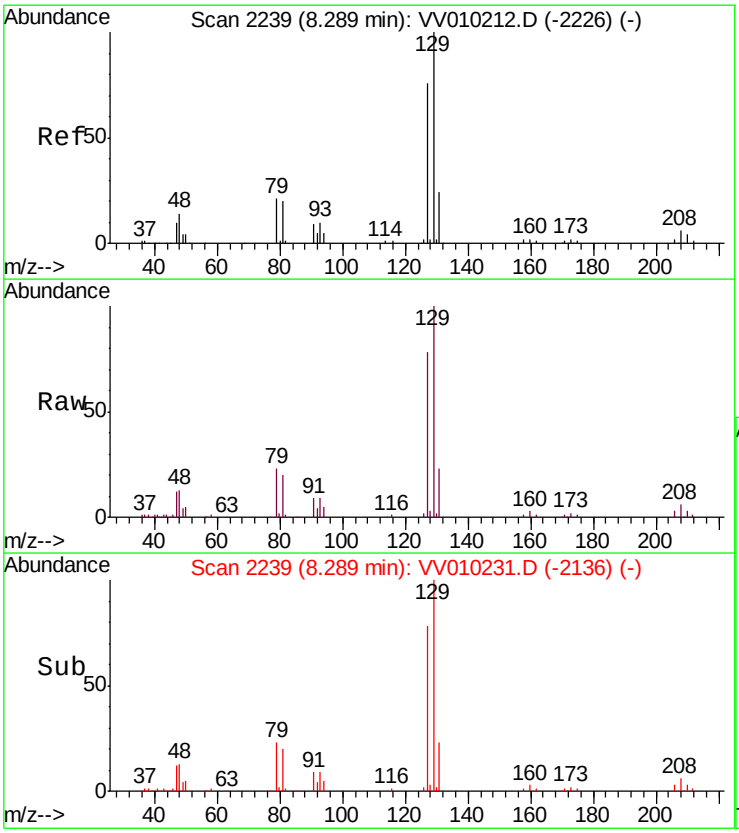


#49
2-Hexanone
Concen: 36.753 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 43 Resp: 52272

Ion	Ratio	Lower	Upper
43	100		
58	52.8	42.8	64.2
57	18.7	16.2	24.4
100	12.2	11.1	16.7

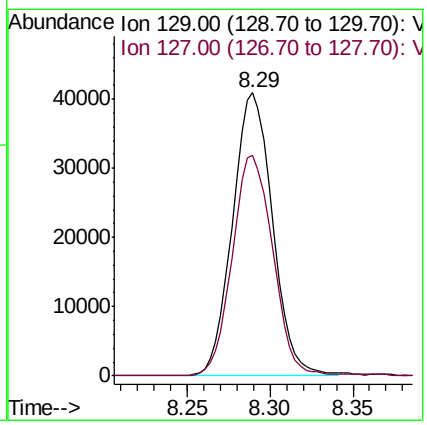


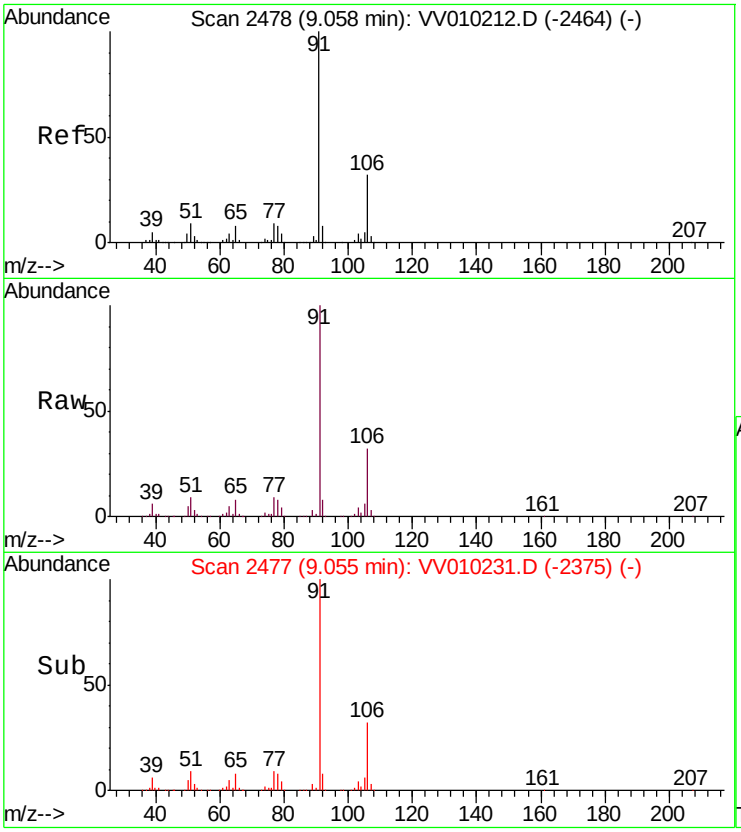


#50
Dibromochloromethane
Concen: 19.857 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:129 Resp: 68866

Ion	Ratio	Lower	Upper
129	100		
127	77.9	52.8	98.2

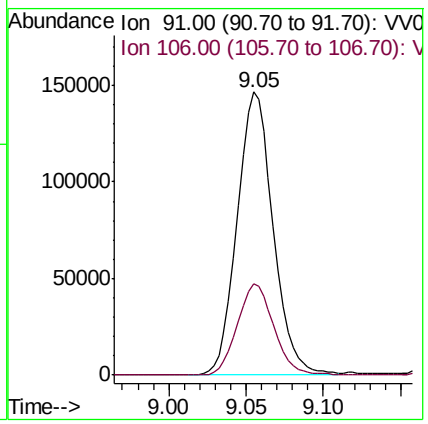


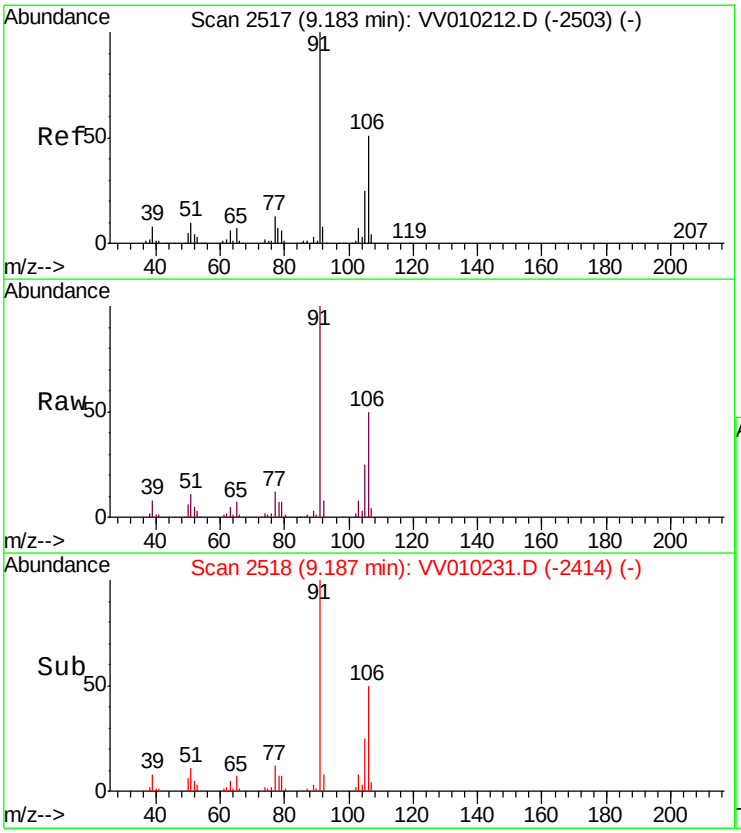


#53
Ethylbenzene
Concen: 13.966 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 91 Resp: 236486

Ion	Ratio	Lower	Upper
91	100		
106	32.1	22.5	41.9

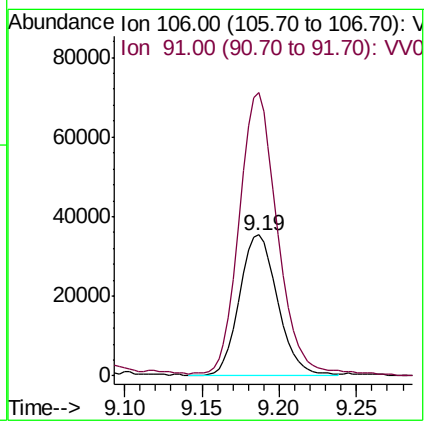


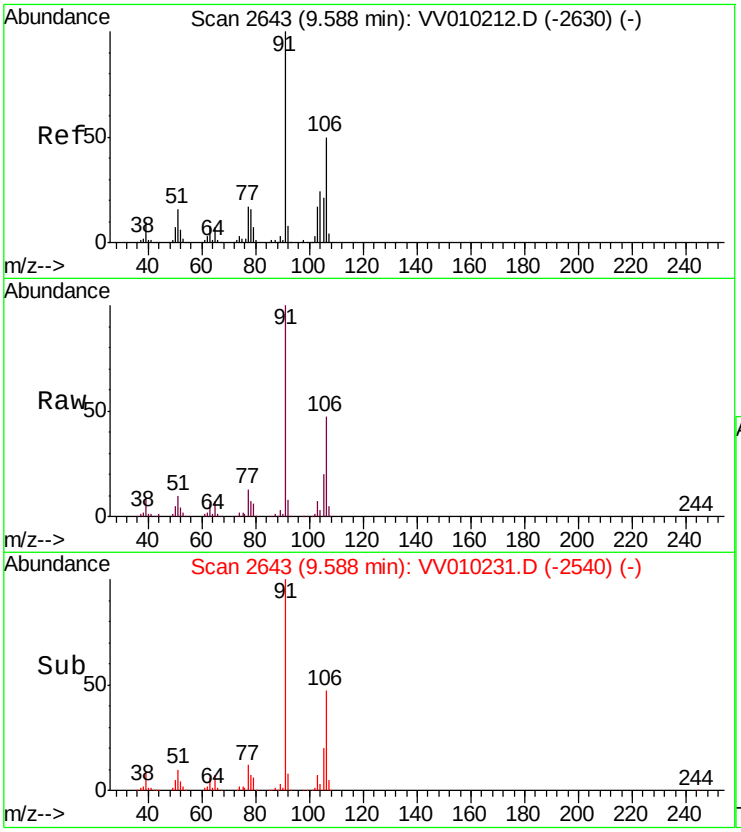


#54
m,p-Xylene
Concen: 9.052 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:106 Resp: 60465

Ion	Ratio	Lower	Upper
106	100		
91	200.6	136.6	253.6

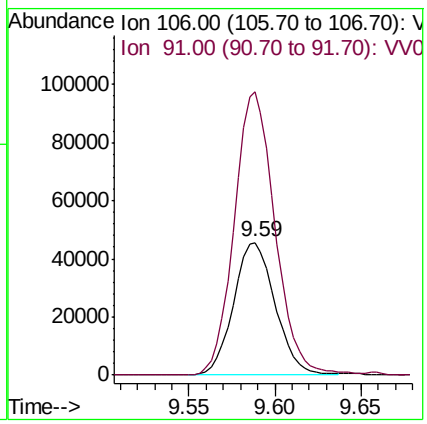


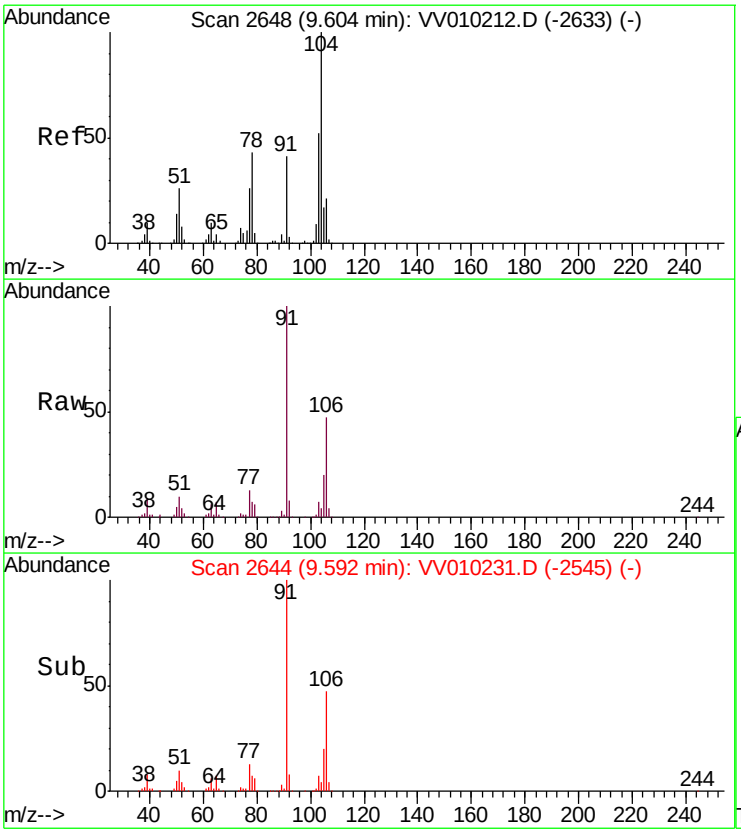


#55
o-xylene
Concen: 11.593 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:106 Resp: 77114

Ion	Ratio	Lower	Upper
106	100		
91	213.7	139.4	259.0

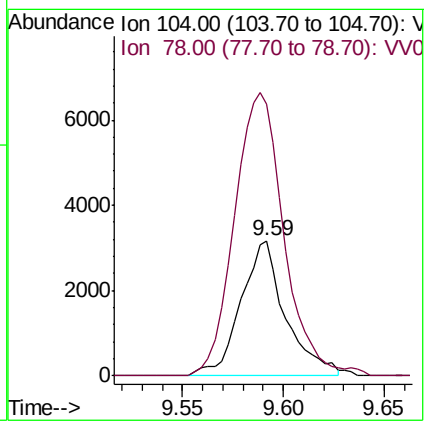


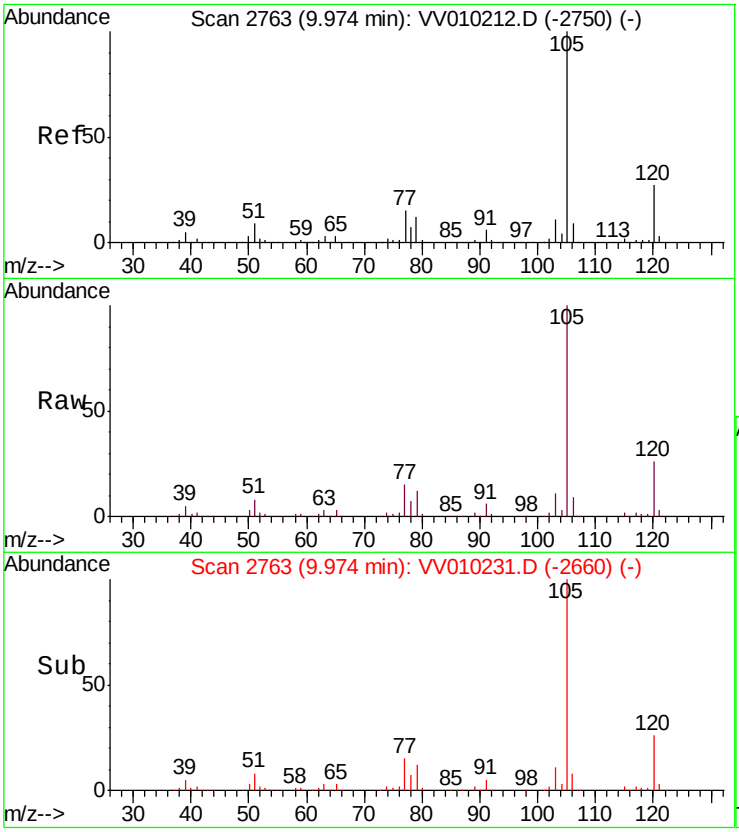


#56
Styrene
Concen: 0.464 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.01 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:104 Resp: 4916

Ion	Ratio	Lower	Upper
104	100		
78	200.6	30.3	56.3#

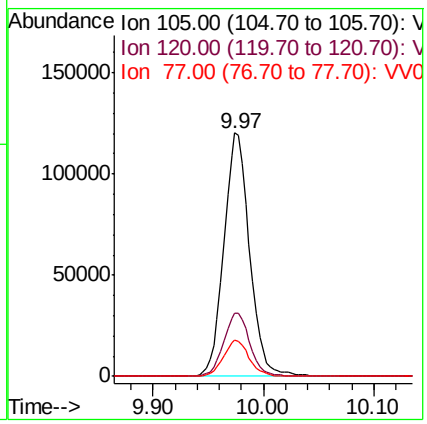


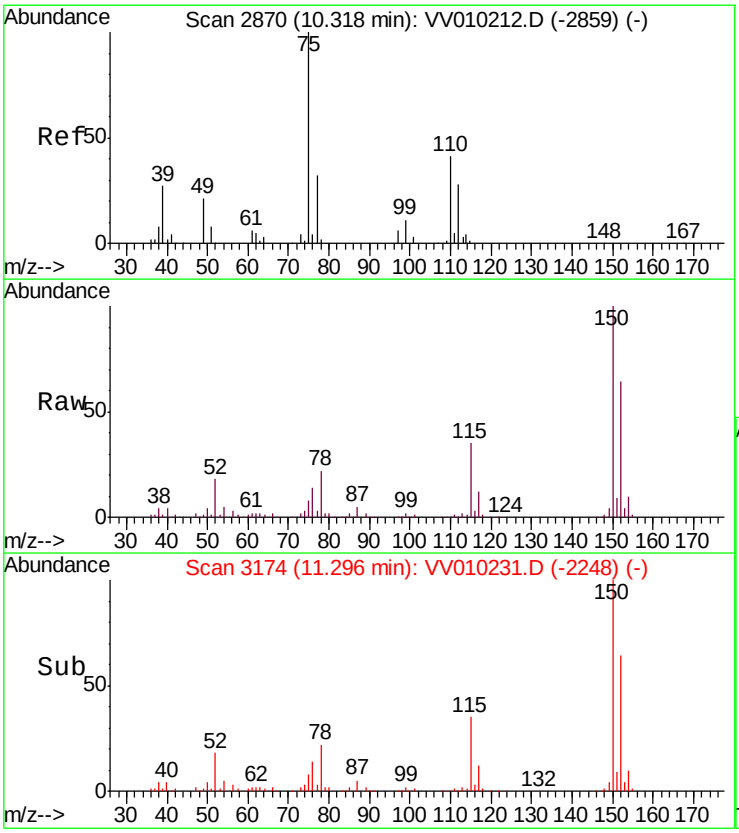


#57
Isopropylbenzene
Concen: 11.485 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:105 Resp: 194171

Ion	Ratio	Lower	Upper
105	100		
120	26.4	22.2	33.2
77	14.7	12.2	18.4

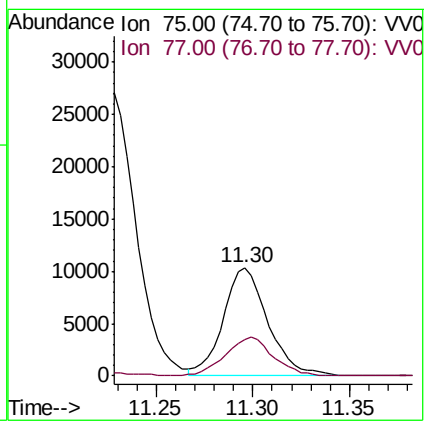


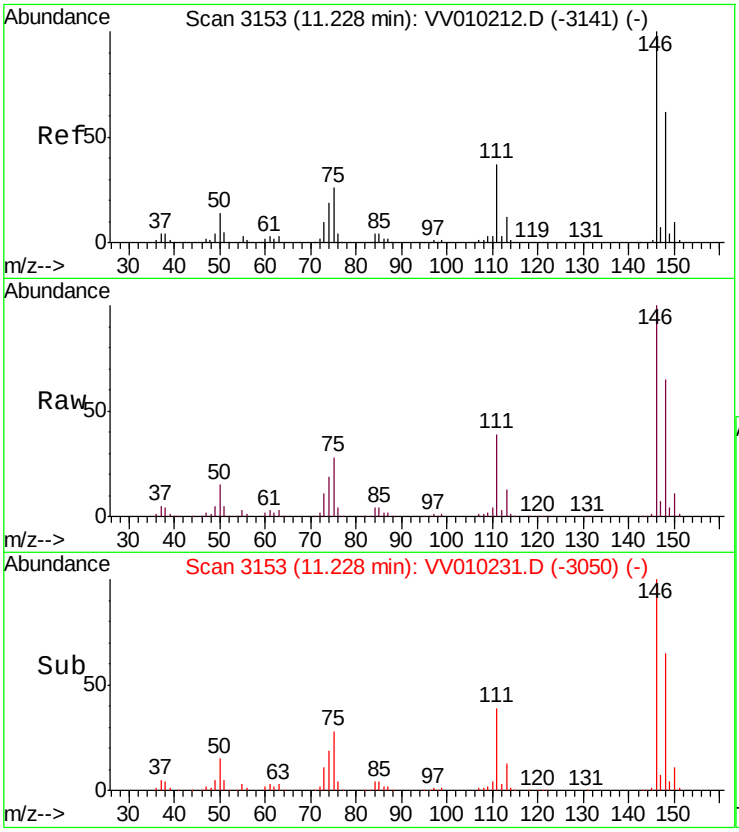


#59
1,2,3-Trichloropropane
Concen: 6.429 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 75 Resp: 16579

Ion	Ratio	Lower	Upper
75	100		
77	37.9	26.9	40.3

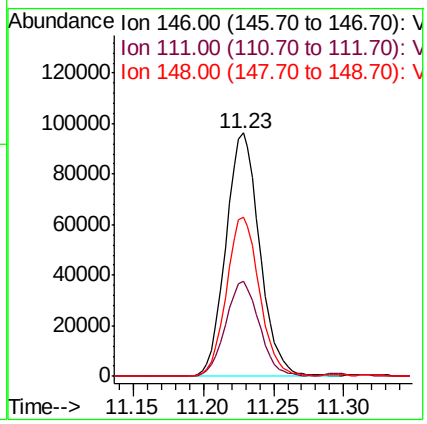


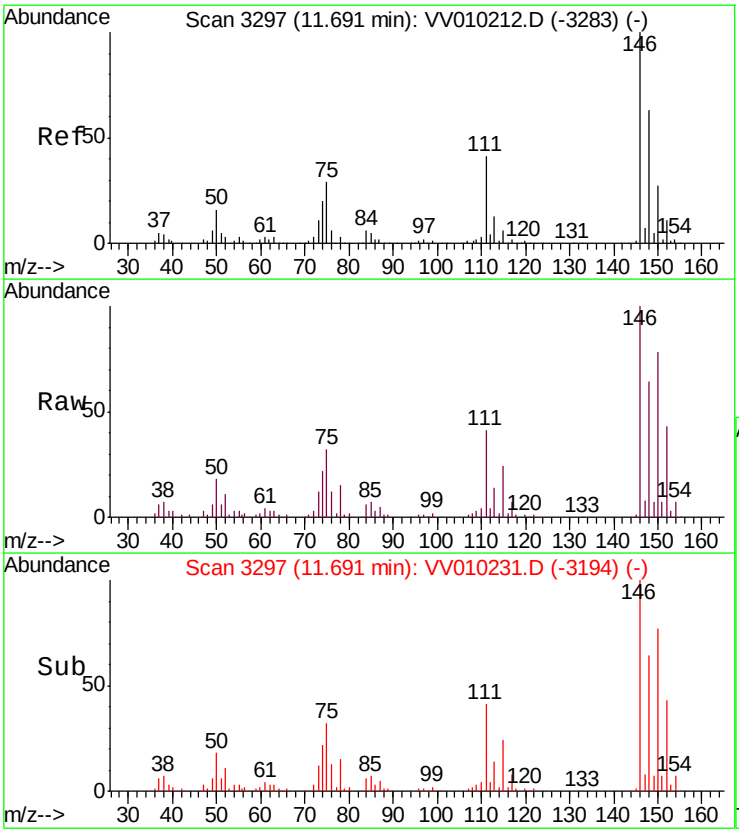


#63
1,3-Dichlorobenzene
Concen: 20.122 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:146 Resp: 161426

Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.2	48.8
148	65.5	43.2	80.2

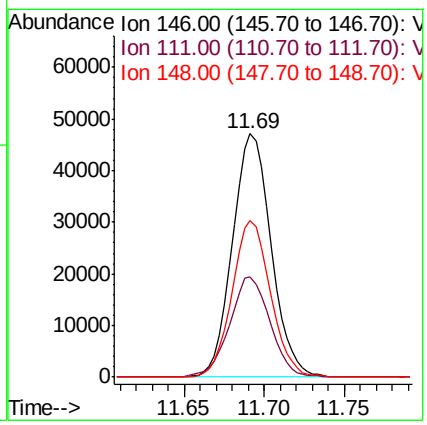


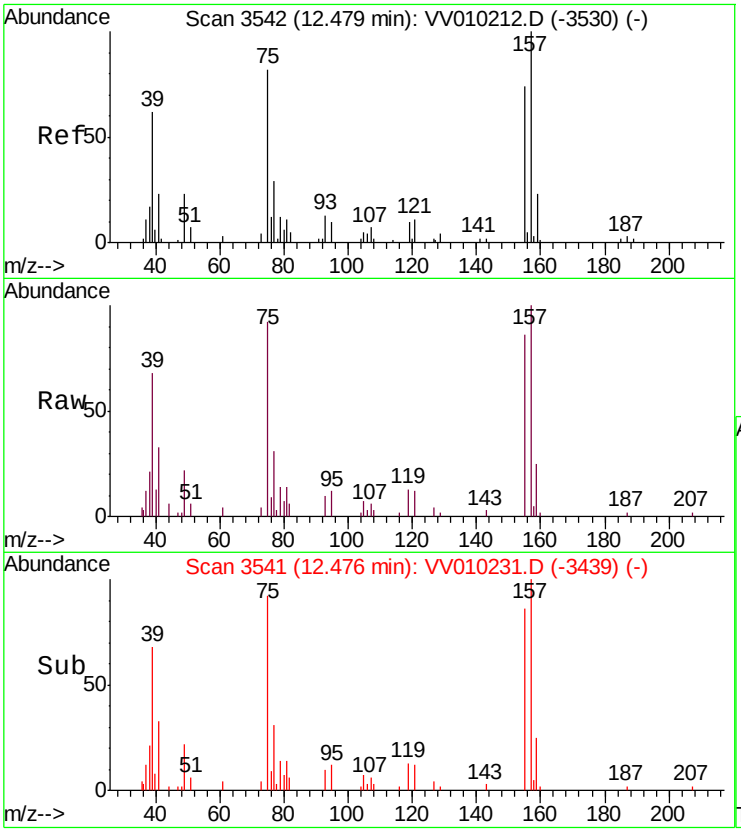


#65
1,2-Dichlorobenzene
Concen: 10.136 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:146 Resp: 77620

Ion	Ratio	Lower	Upper
146	100		
111	41.2	32.5	48.7
148	64.3	50.7	76.1

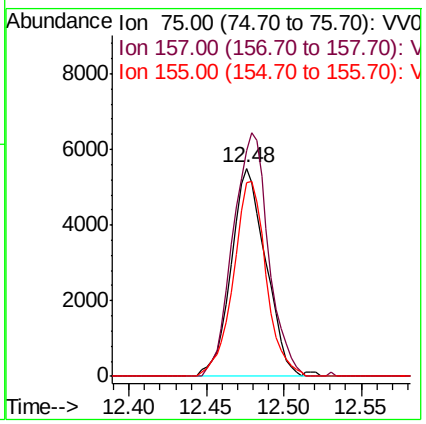


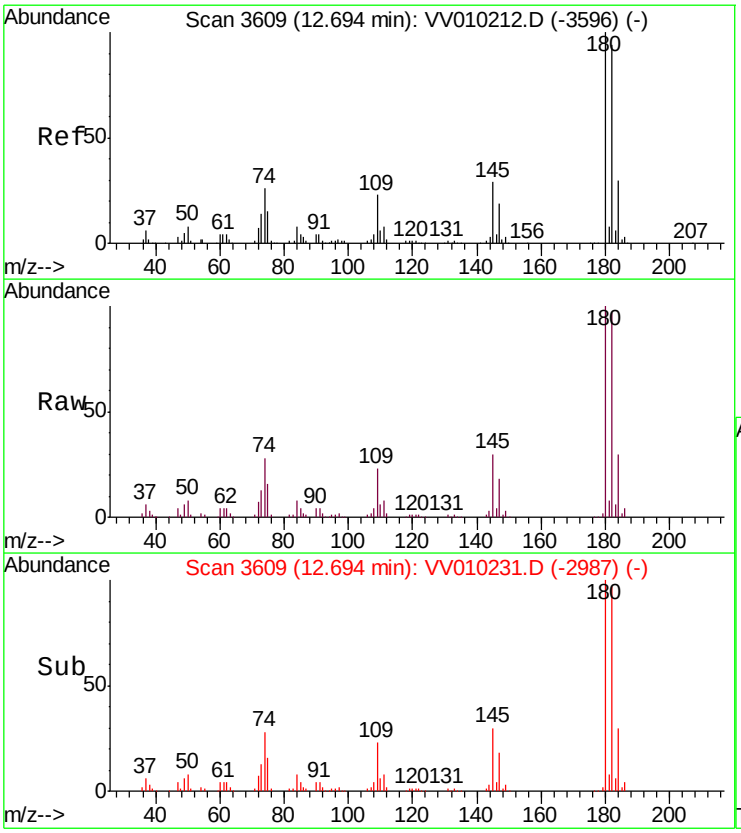


#66
1,2-Dibromo-3-chloropropane
Concen: 19.739 ug/L
RT: 12.48 min Scan# 3541
Delta R.T. -0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion: 75 Resp: 8551

Ion	Ratio	Lower	Upper
75	100		
157	108.7	97.4	146.2
155	93.4	72.5	108.7





#67
1,3,5-Trichlorobenzene
Concen: 22.514 ug/L
RT: 12.69 min Scan# 3609
Delta R.T. 0.00 min
Lab File: VV010231.D
Acq: 11 Apr 2019 00:53

Tgt Ion:180 Resp: 133837

Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.5	113.3
184	29.3	23.8	35.8
145	29.7	22.9	34.3