Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\MSVOA_F\DATA\VF011019\
Data File : VF061344.D
Acq On : 10 Jan 2019 15:19
Operator : VA/AP
Sample : K1006-11RE
Misc : 8.50g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 11 00:31:04 2019
Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

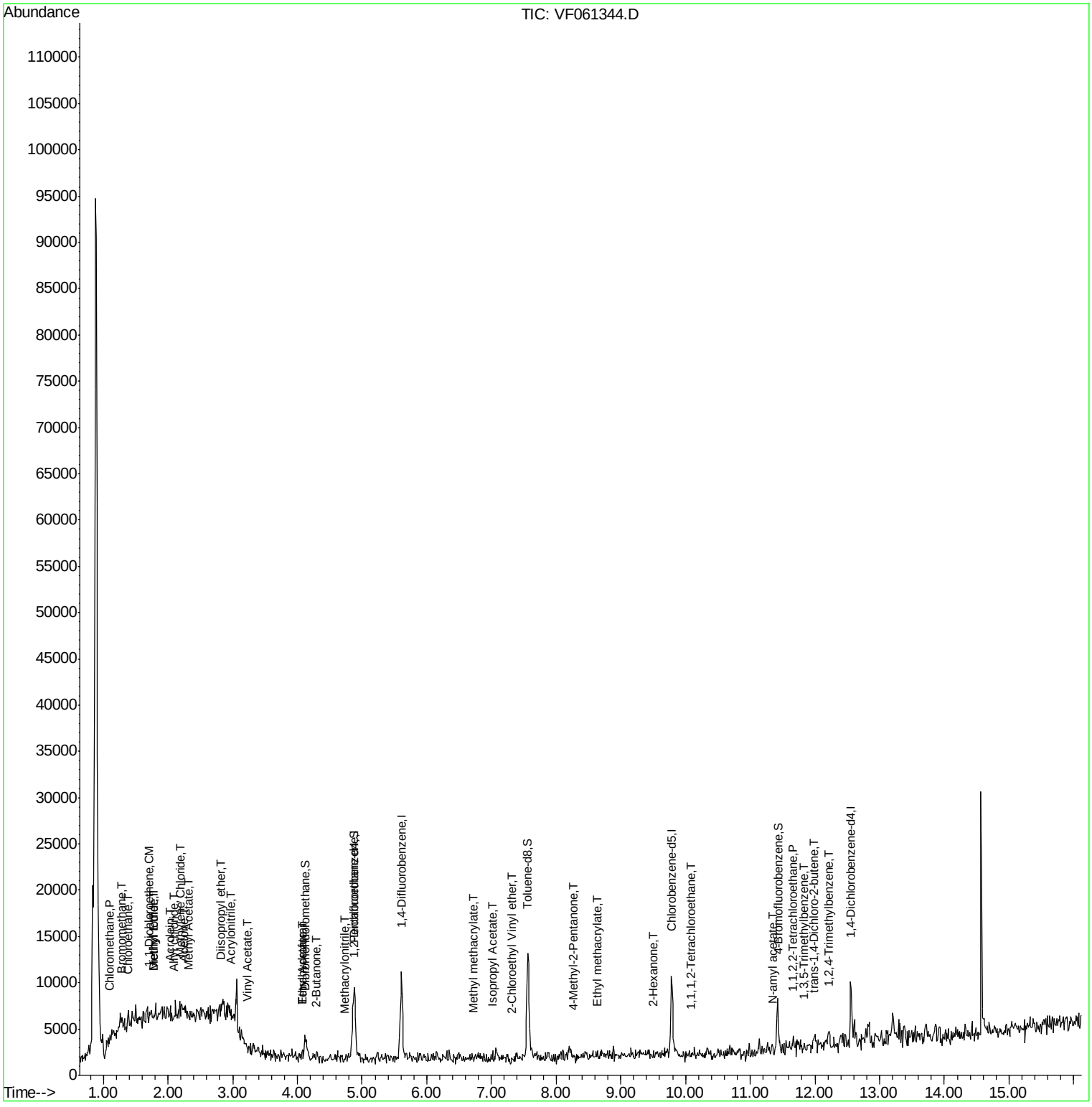
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	7008	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	10474	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	7677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	2047	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	1575	20.19	ug/l	0.00
Spiked Amount 50.000			Recovery = 40.38%			
35) Dibromofluoromethane	4.12	113	2586	32.27	ug/l	0.00
Spiked Amount 50.000			Recovery = 64.54%			
50) Toluene-d8	7.56	98	9959	41.99	ug/l	0.00
Spiked Amount 50.000			Recovery = 83.98%			
62) 4-Bromofluorobenzene	11.43	95	2876	27.77	ug/l	0.01
Spiked Amount 50.000			Recovery = 55.54%			
Target Compounds						Qvalue
3) Chloromethane	1.10	50	137	1.189	ug/l #	40
5) Bromomethane	1.29	94	379	6.904	ug/l #	6
6) Chloroethane	1.37	64	66	1.314	ug/l #	45
8) Diethyl Ether	1.77	74	98	3.826	ug/l	50
10) Methyl Iodide	1.77	142	147	1.019	ug/l #	32
12) 1,1-Dichloroethene	1.70	96	104	1.412	ug/l #	1
13) Acrolein	2.03	56	172	32.181	ug/l #	12
14) Allyl chloride	2.09	41	229	1.701	ug/l #	56
15) Acrylonitrile	2.97	53	183	16.529	ug/l #	12
16) Acetone	2.25	43	1130	62.275	ug/l #	55
18) Methyl Acetate	2.32	43	371	10.392	ug/l #	65
20) Methylene Chloride	2.19	84	248	3.231	ug/l #	39
22) Diisopropyl ether	2.82	45	985	3.782	ug/l #	1
23) Vinyl Acetate	3.23	43	440	5.777	ug/l #	77
25) 2-Butanone	4.30	43	298	10.204	ug/l #	56
29) Tetrahydrofuran	4.08	42	80	6.552	ug/l #	36
37) Ethyl Acetate	4.07	43	229	5.141	ug/l #	1
41) Methacrylonitrile	4.73	41	140	5.629	ug/l #	43
43) Isopropyl Acetate	7.02	43	97	1.650	ug/l #	45
48) Methyl methacrylate	6.72	41	67	1.755	ug/l #	21
51) 4-Methyl-2-Pentanone	8.28	43	307	6.917	ug/l #	38
56) Ethyl methacrylate	8.65	69	75	1.307	ug/l #	20
58) 2-Chloroethyl Vinyl ether	7.32	63	60	24.528	ug/l #	56
59) 2-Hexanone	9.50	43	167	5.311	ug/l #	27
66) 1,1,1,2-Tetrachloroethane	10.09	131	72	1.138	ug/l #	7
74) N-amyl acetate	11.36	43	140	3.419	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.67	83	62	2.171	ug/l #	25
80) 1,3,5-Trimethylbenzene	11.83	105	256	1.786	ug/l #	27
81) trans-1,4-Dichloro-2-buten	11.98	75	78	8.521	ug/l #	17
84) 1,2,4-Trimethylbenzene	12.21	105	681	4.786	ug/l	97

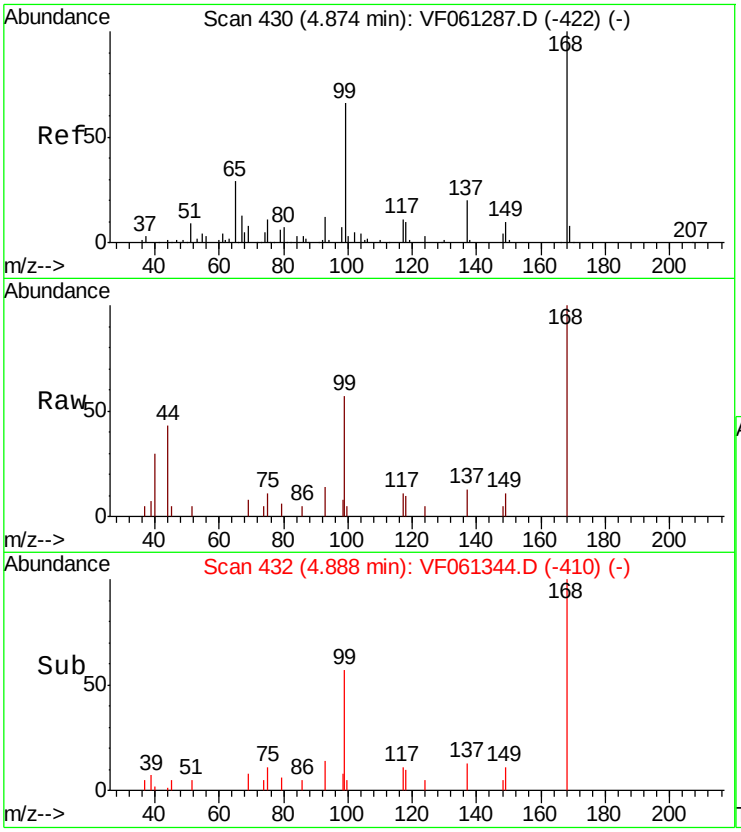
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\MSVOA_F\DATA\VF011019\
Data File : VF061344.D
Acq On : 10 Jan 2019 15:19
Operator : VA/AP
Sample : K1006-11RE
Misc : 8.50g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 11 00:31:04 2019
Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

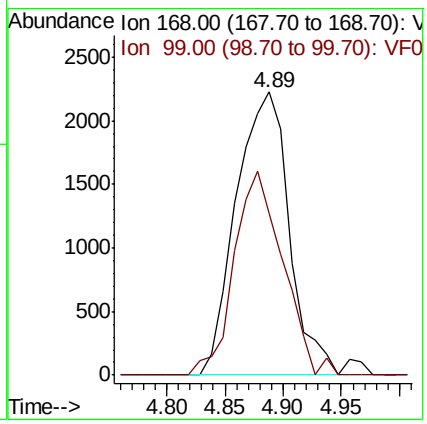


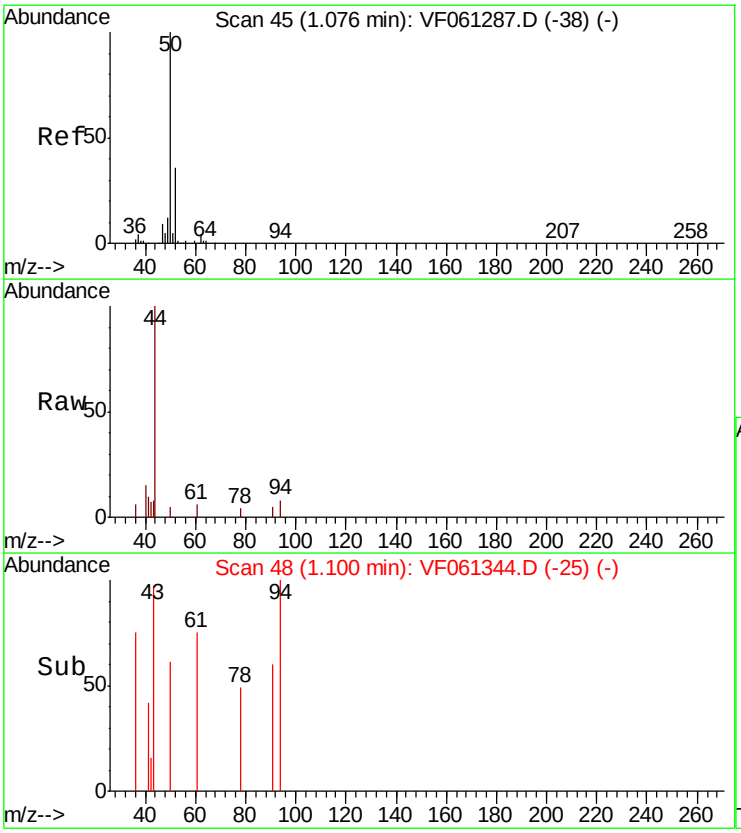


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.01 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:168 Resp: 7008

Ion	Ratio	Lower	Upper
168	100		
99	57.4	52.7	79.1

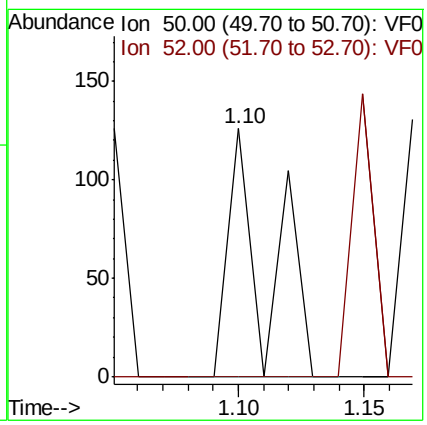


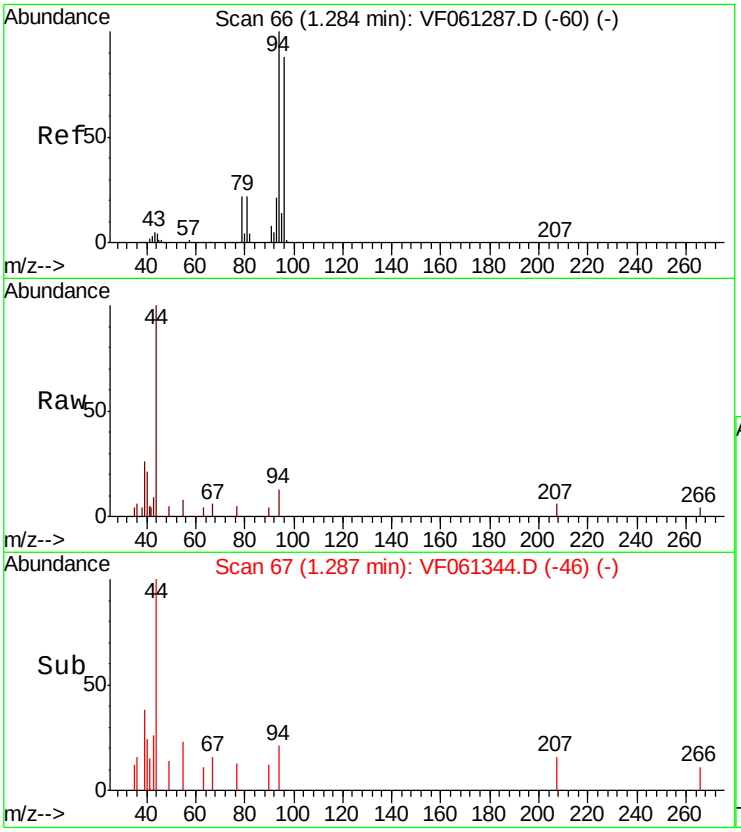


#3
Chloromethane
Concen: 1.189 ug/l
RT: 1.10 min Scan# 48
Delta R.T. 0.02 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 50 Resp: 137

Ion	Ratio	Lower	Upper
50	100		
52	0.0	28.2	42.2#

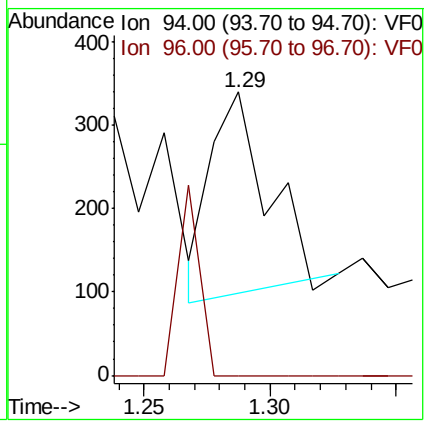


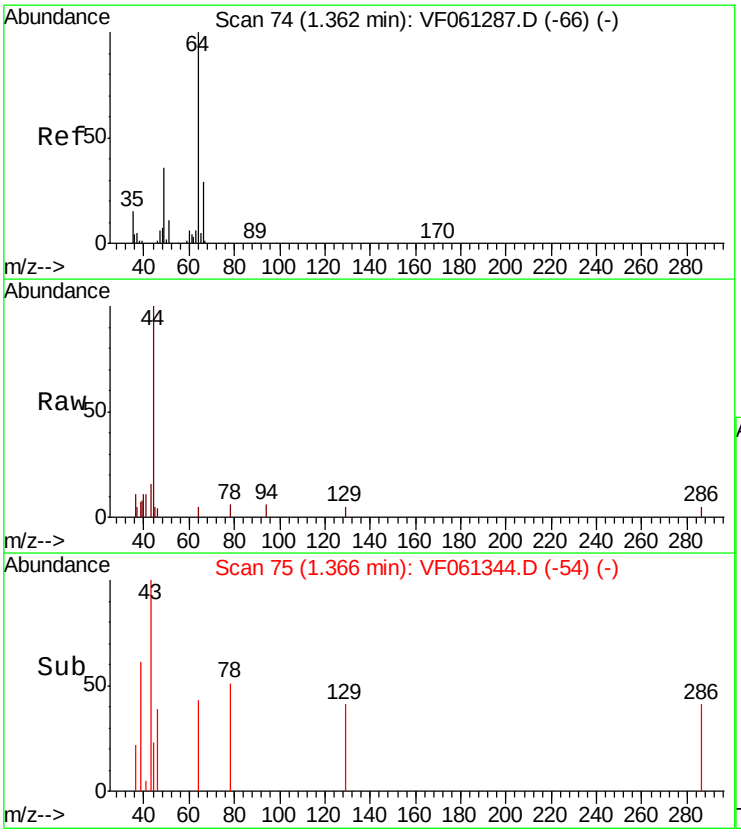


#5
Bromomethane
Concen: 6.904 ug/l
RT: 1.29 min Scan# 67
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 94 Resp: 379

Ion	Ratio	Lower	Upper
94	100		
96	0.0	70.2	105.4#

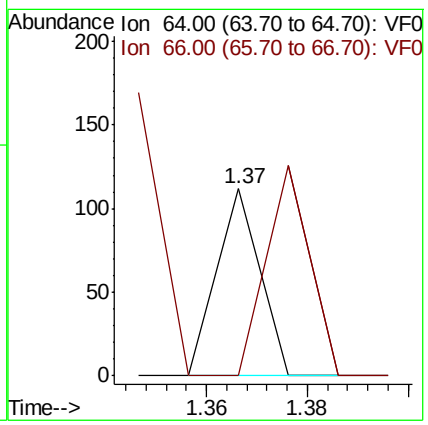


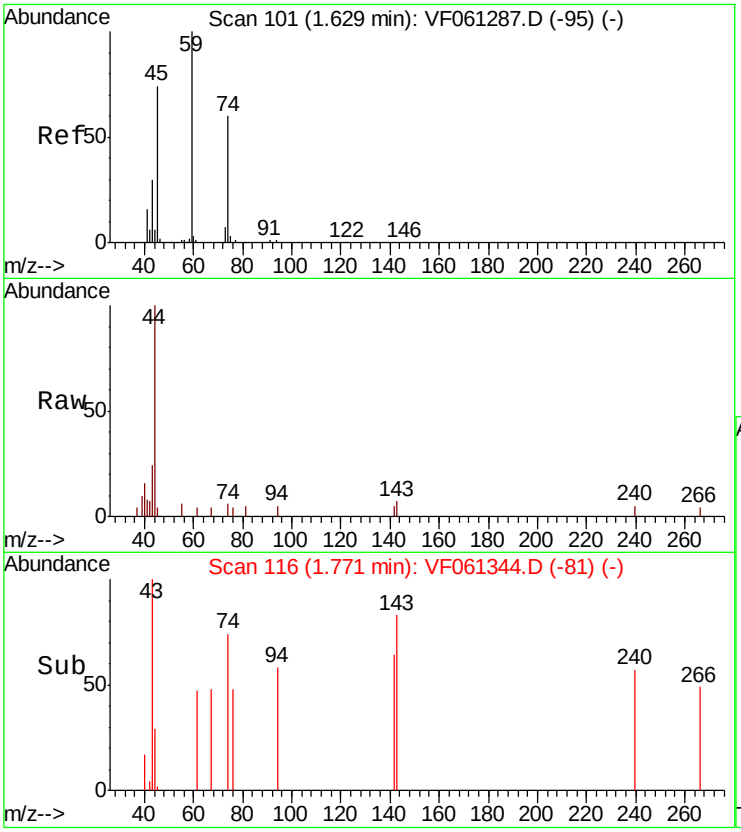


#6
Chloroethane
Concen: 1.314 ug/l
RT: 1.37 min Scan# 75
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 64 Resp: 66

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.4	35.0#

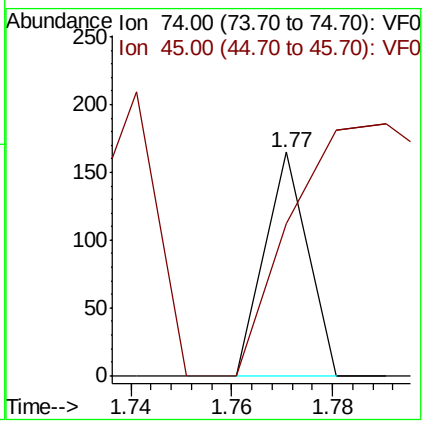


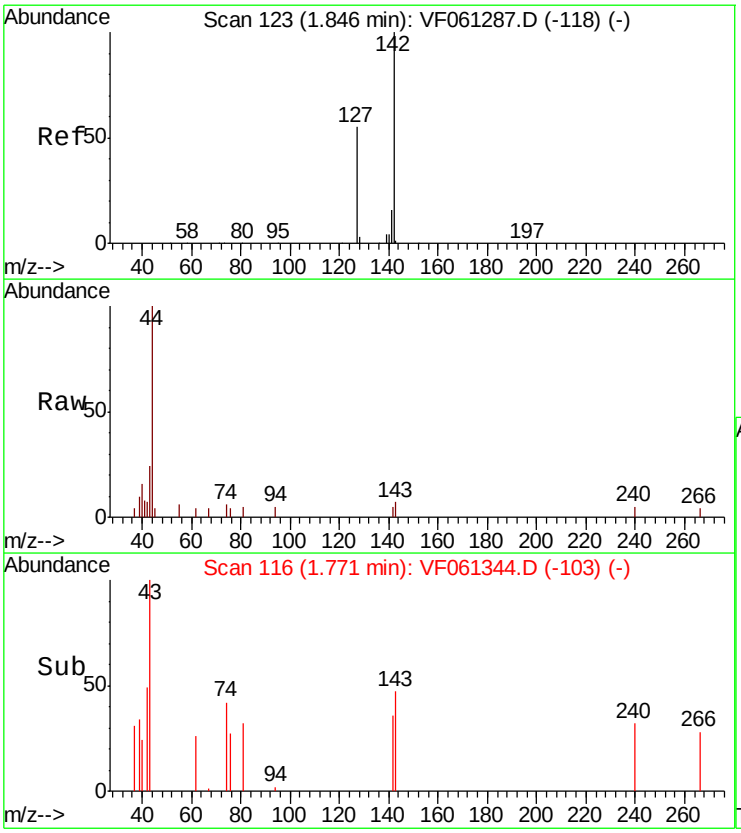


#8
Diethyl Ether
Concen: 3.826 ug/l
RT: 1.77 min Scan# 116
Delta R.T. 0.14 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 74 Resp: 98

Ion	Ratio	Lower	Upper
74	100		
45	67.9	62.1	186.3

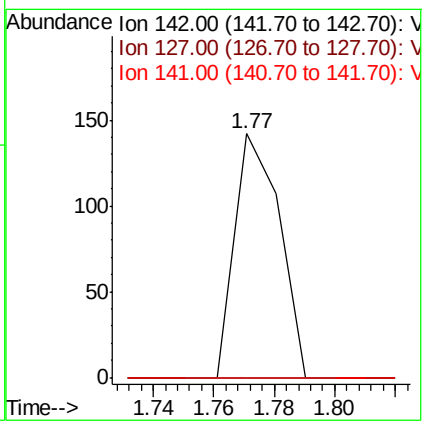


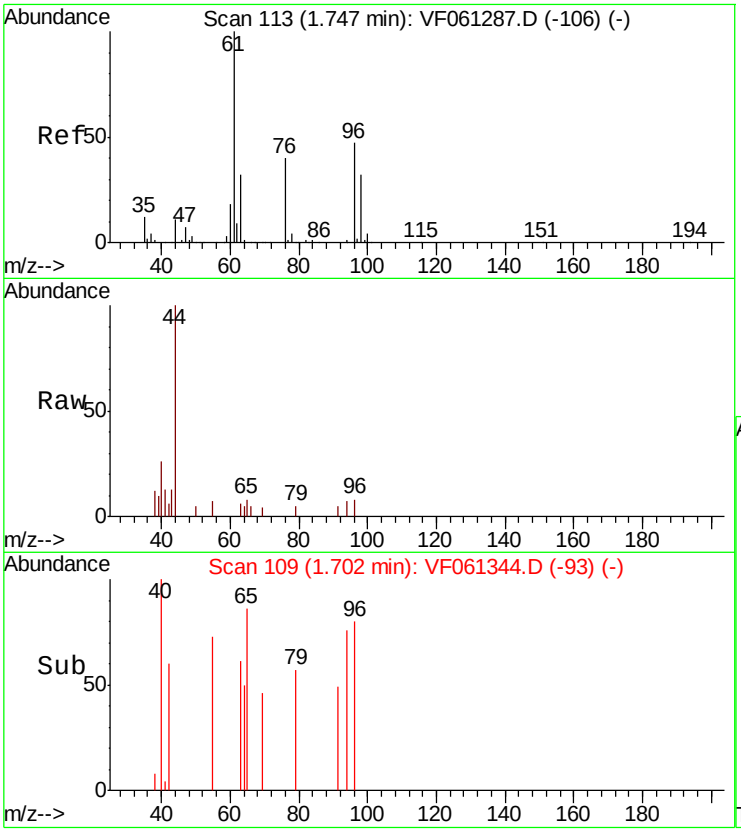


#10
Methyl Iodide
Concen: 1.019 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.07 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:142 Resp: 147

Ion	Ratio	Lower	Upper
142	100		
127	0.0	44.3	66.5#
141	0.0	13.2	19.8#

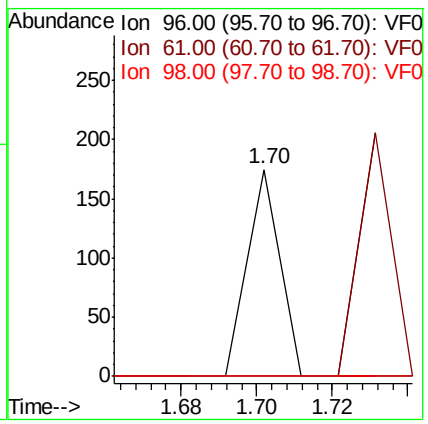


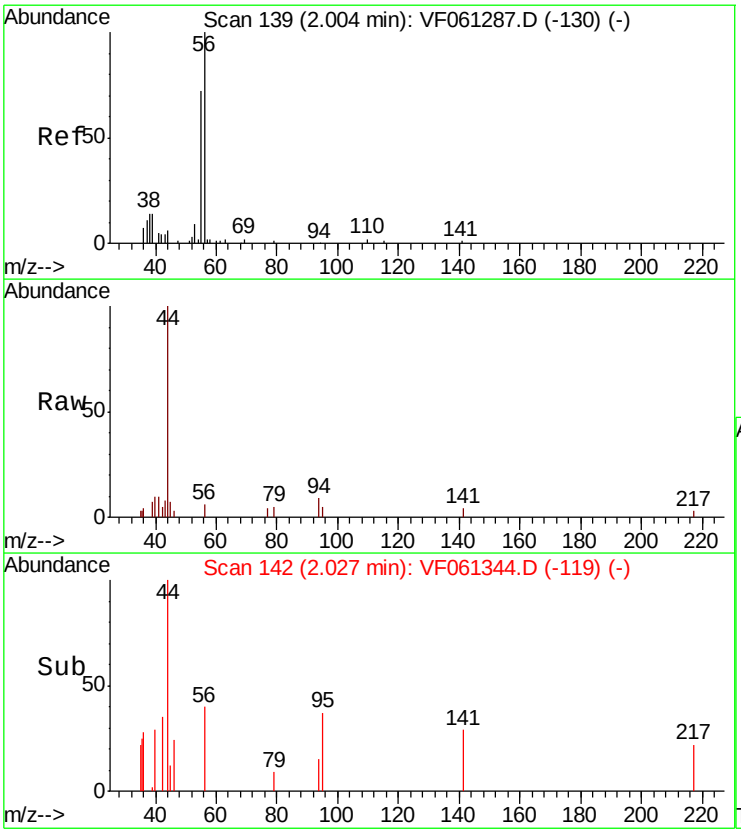


#12
1,1-Dichloroethene
Concen: 1.412 ug/l
RT: 1.70 min Scan# 109
Delta R.T. -0.05 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 96 Resp: 104

Ion	Ratio	Lower	Upper
96	100		
61	0.0	171.8	257.8#
98	0.0	54.2	81.4#

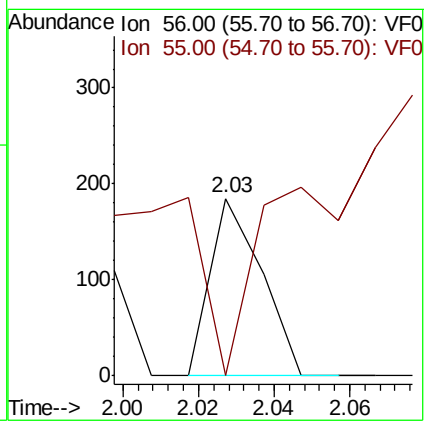


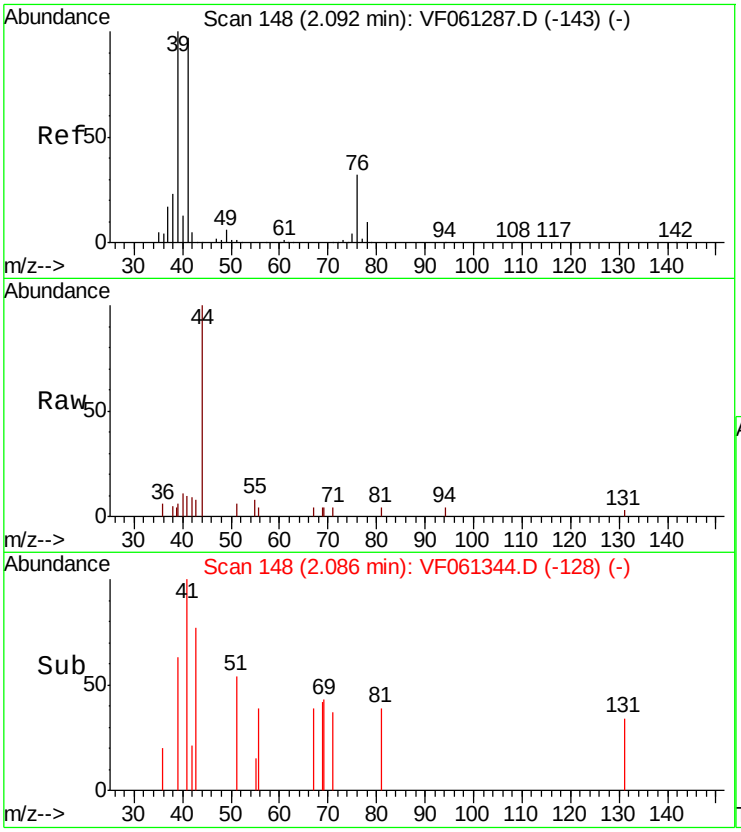


#13
Acrolein
Concen: 32.181 ug/l
RT: 2.03 min Scan# 142
Delta R.T. 0.02 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 56 Resp: 172

Ion	Ratio	Lower	Upper
56	100		
55	0.0	59.4	89.0#

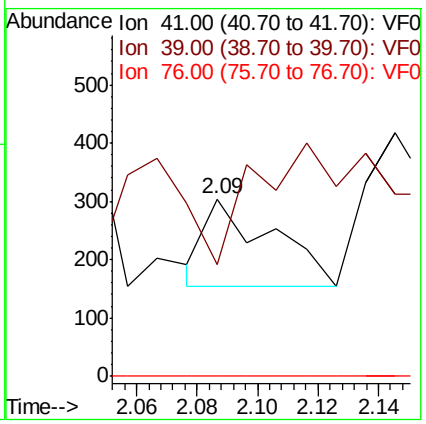


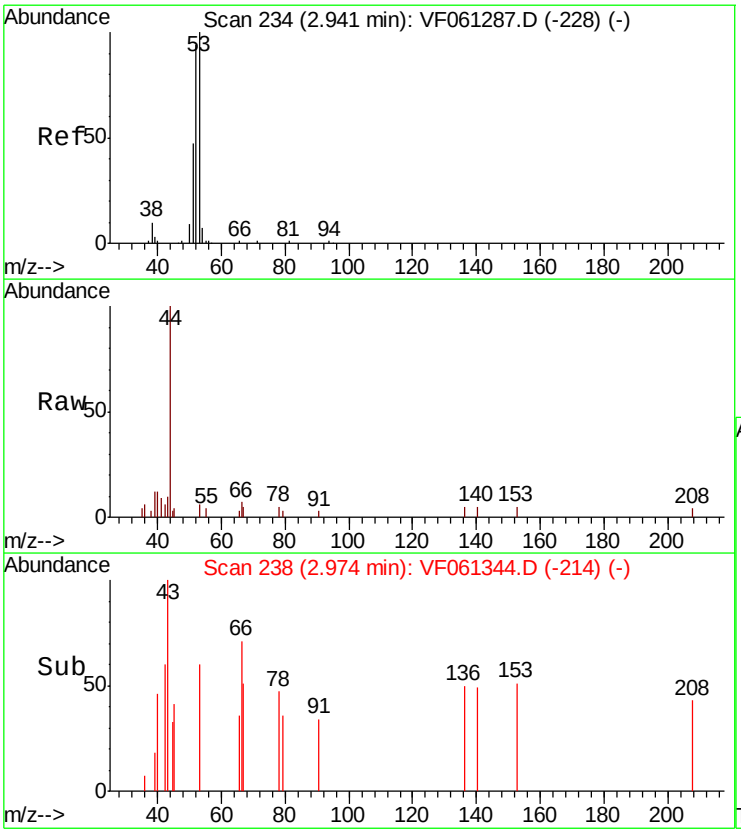


#14
Allyl chloride
Concen: 1.701 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 41 Resp: 229

Ion	Ratio	Lower	Upper
41	100		
39	63.2	82.6	123.8#
76	0.0	26.9	40.3#

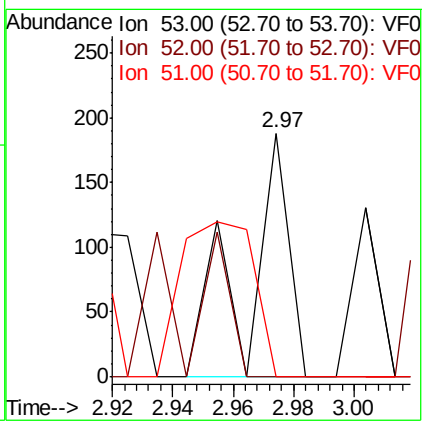


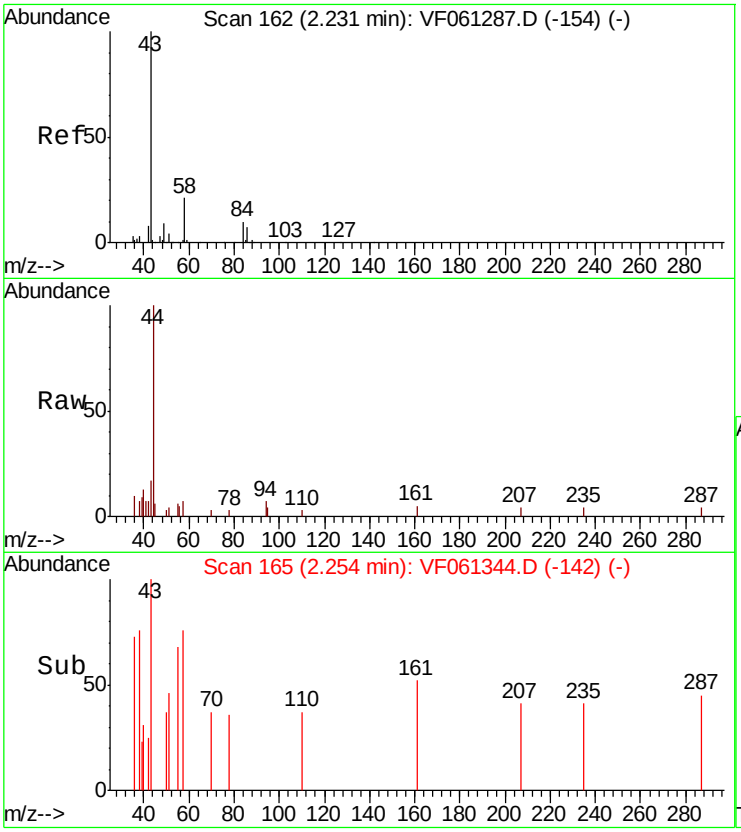


#15
Acrylonitrile
Concen: 16.529 ug/l
RT: 2.97 min Scan# 238
Delta R.T. 0.03 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 53 Resp: 183

Ion	Ratio	Lower	Upper
53	100		
52	0.0	74.6	111.8#
51	0.0	37.8	56.6#

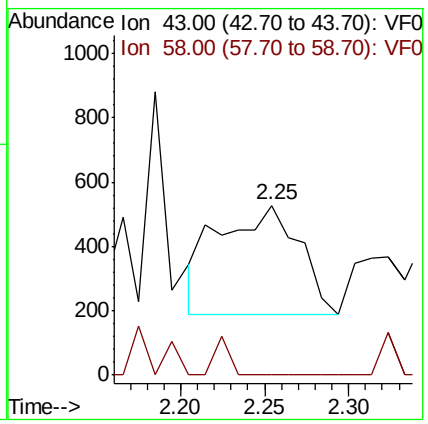


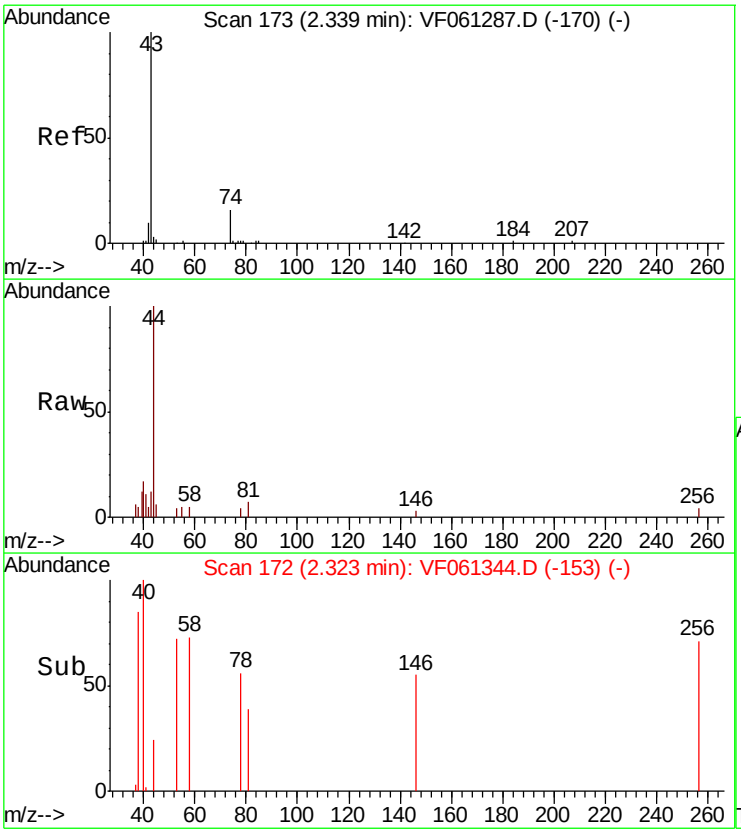


#16
Acetone
Concen: 62.275 ug/l
RT: 2.25 min Scan# 165
Delta R.T. 0.02 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 1130

Ion	Ratio	Lower	Upper
43	100		
58	0.0	16.6	25.0#

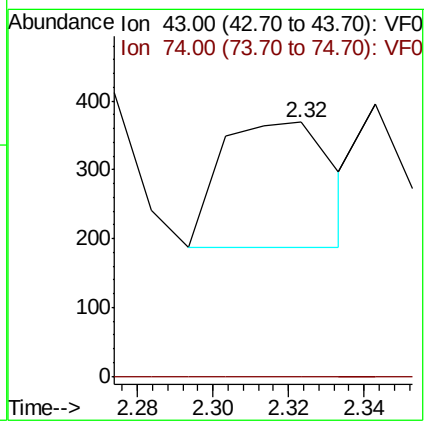


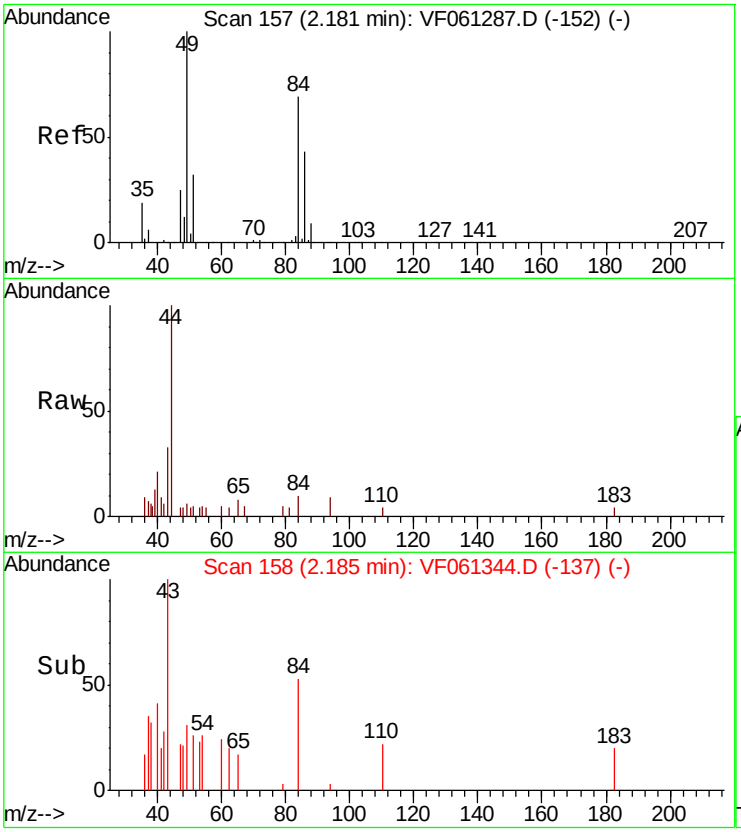


#18
Methyl Acetate
Concen: 10.392 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 371

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.6	17.4#

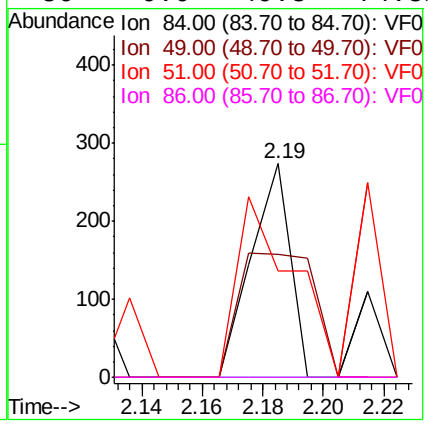


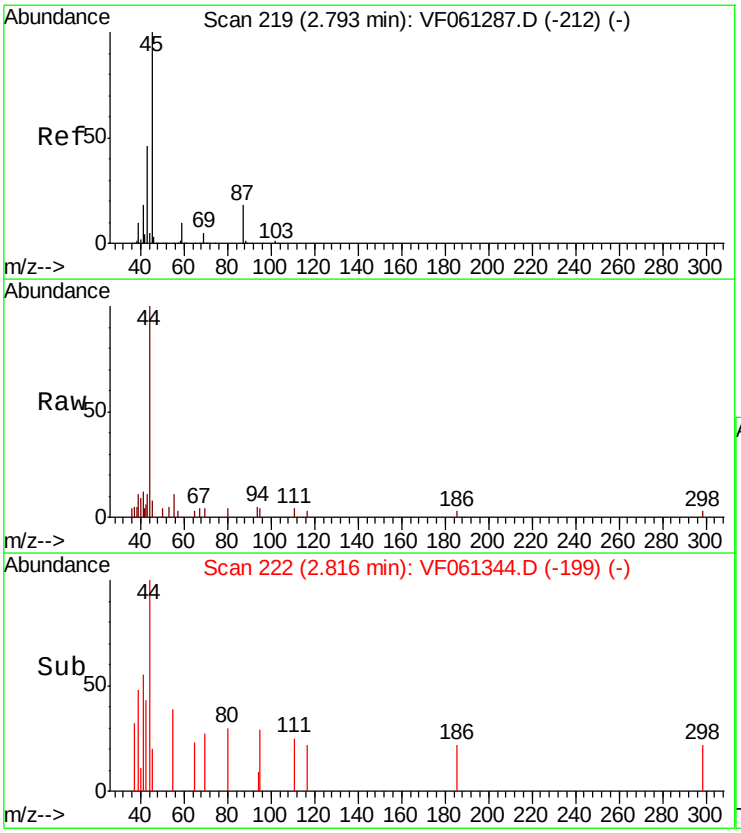


#20
Methylene Chloride
Concen: 3.231 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 84 Resp: 248

Ion	Ratio	Lower	Upper
84	100		
49	57.7	116.6	175.0#
51	49.6	37.7	56.5
86	0.0	49.8	74.8#

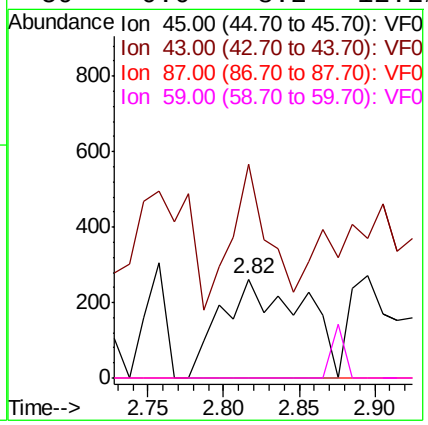


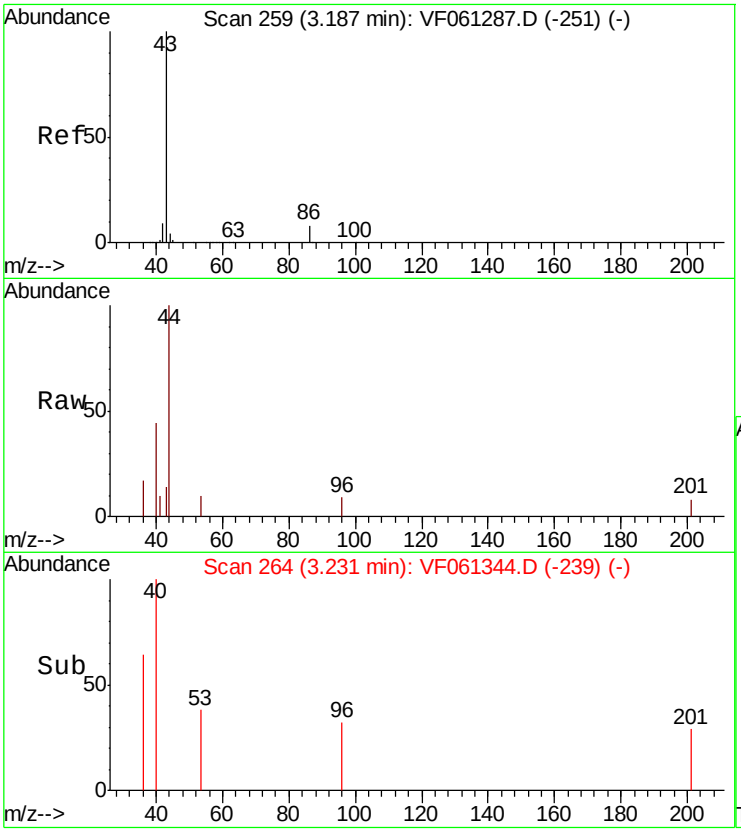


#22
Diisopropyl ether
Concen: 3.782 ug/l
RT: 2.82 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 45 Resp: 985

Ion	Ratio	Lower	Upper
45	100		
43	216.0	37.4	56.2#
87	0.0	14.2	21.2#
59	0.0	8.2	12.2#

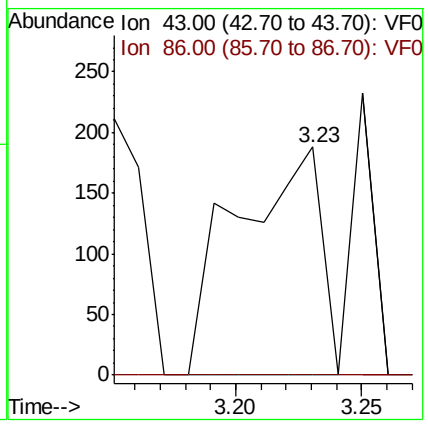


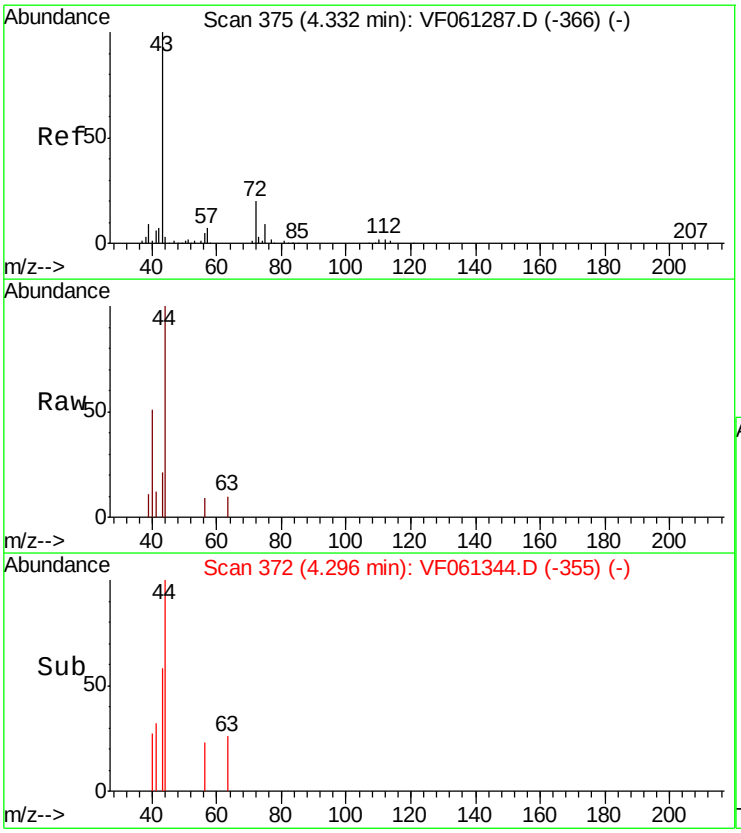


#23
Vinyl Acetate
Concen: 5.777 ug/l
RT: 3.23 min Scan# 264
Delta R.T. 0.04 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 440

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#

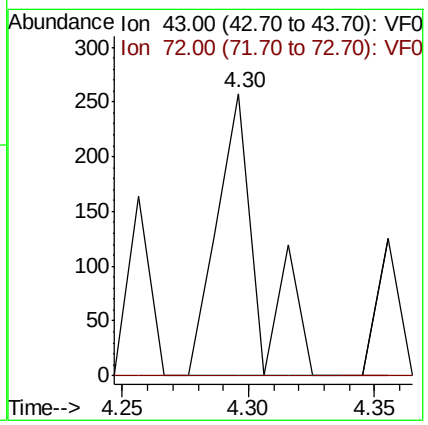


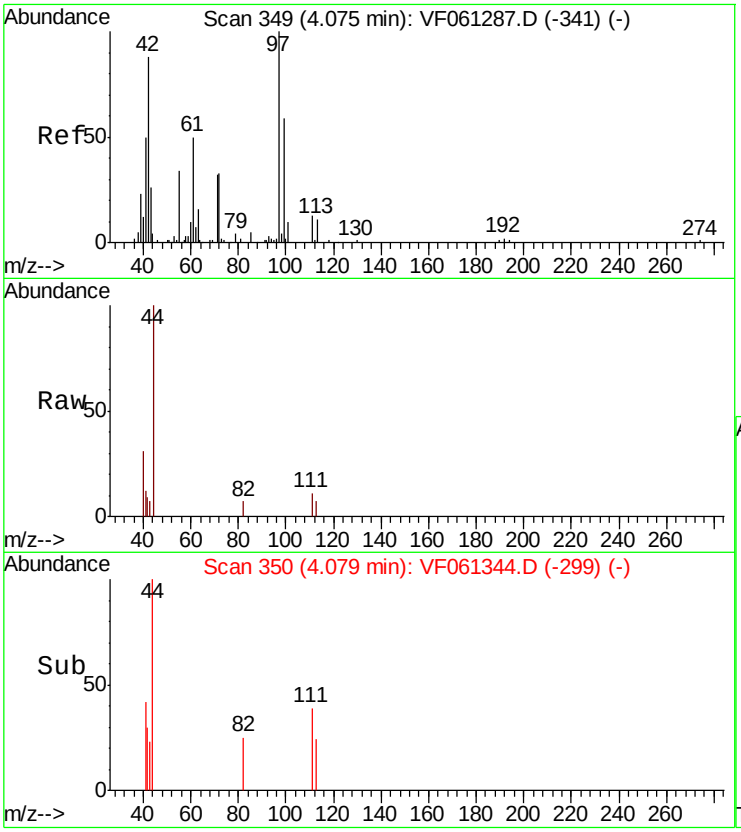


#25
2-Butanone
Concen: 10.204 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.04 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 298

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#

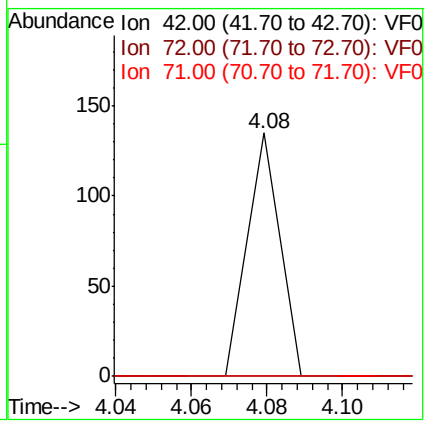


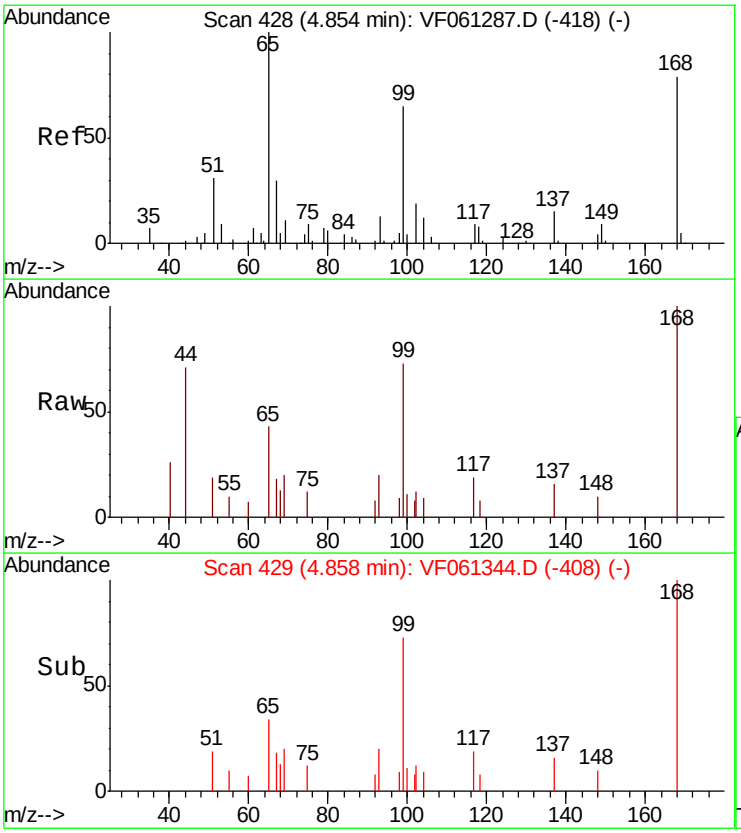


#29
Tetrahydrofuran
Concen: 6.552 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 42 Resp: 80

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.5	44.3#

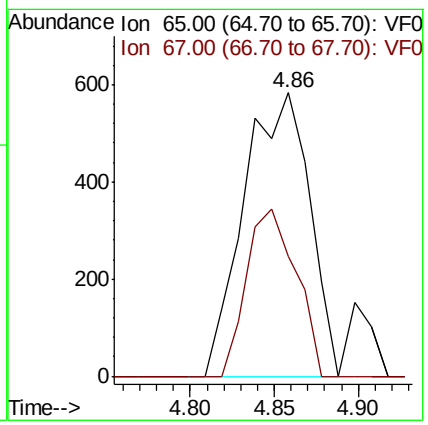


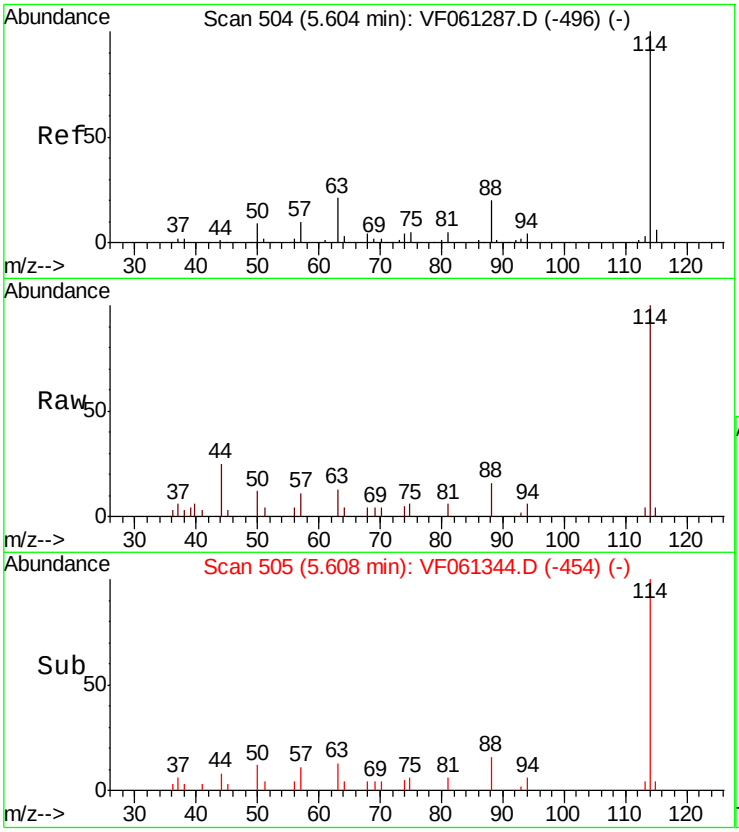


#33
1,2-Dichloroethane-d4
Concen: 20.192 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 65 Resp: 1575

Ion	Ratio	Lower	Upper
65	100		
67	42.5	0.0	98.2

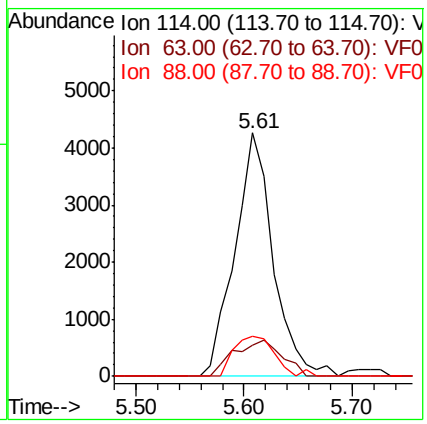


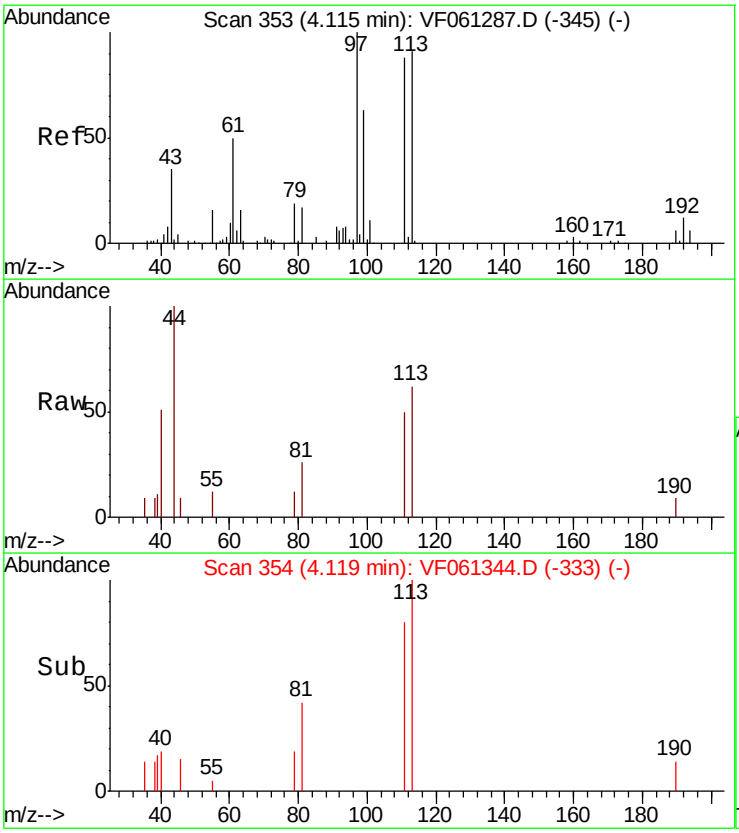


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:114 Resp: 10474

Ion	Ratio	Lower	Upper
114	100		
63	12.5	0.0	42.8
88	16.3	0.0	40.0

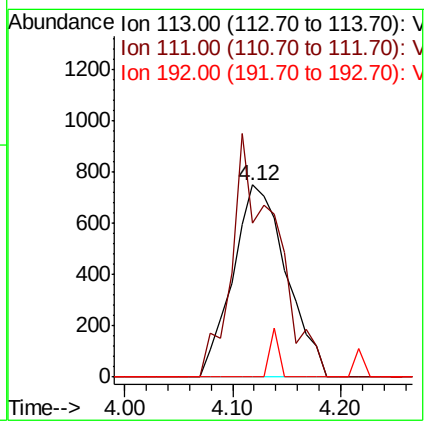


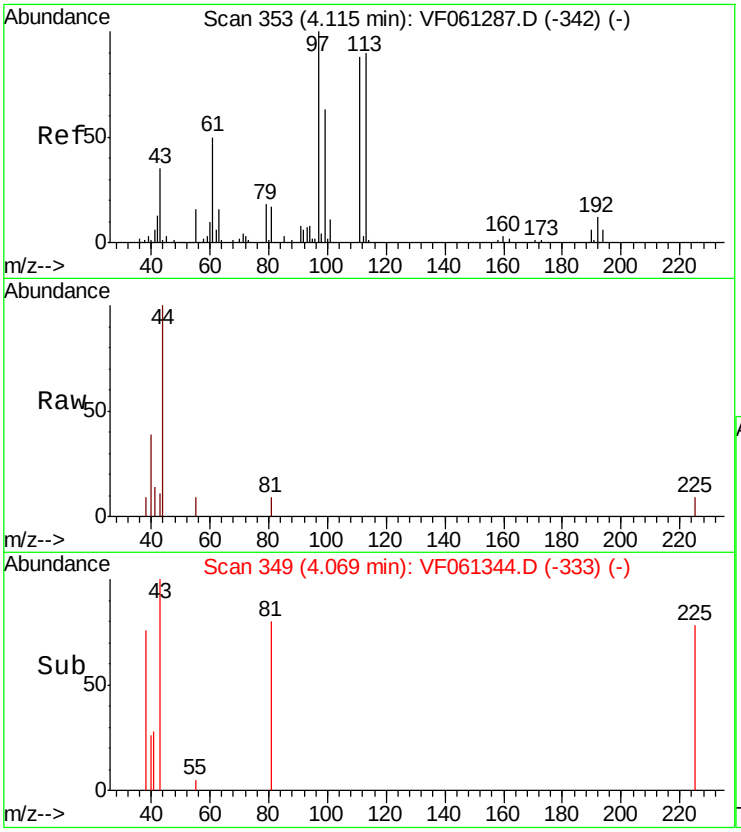


#35
Dibromofluoromethane
Concen: 32.267 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:113 Resp: 2586

Ion	Ratio	Lower	Upper
113	100		
111	80.2	78.0	117.0
192	0.0	10.6	16.0#

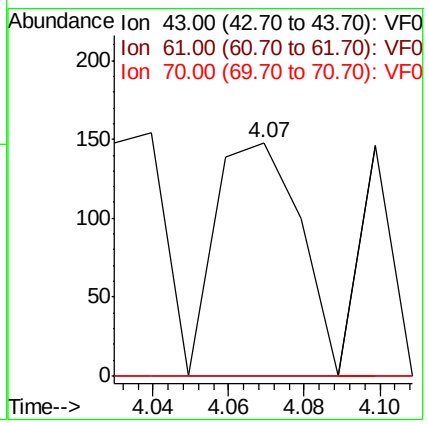


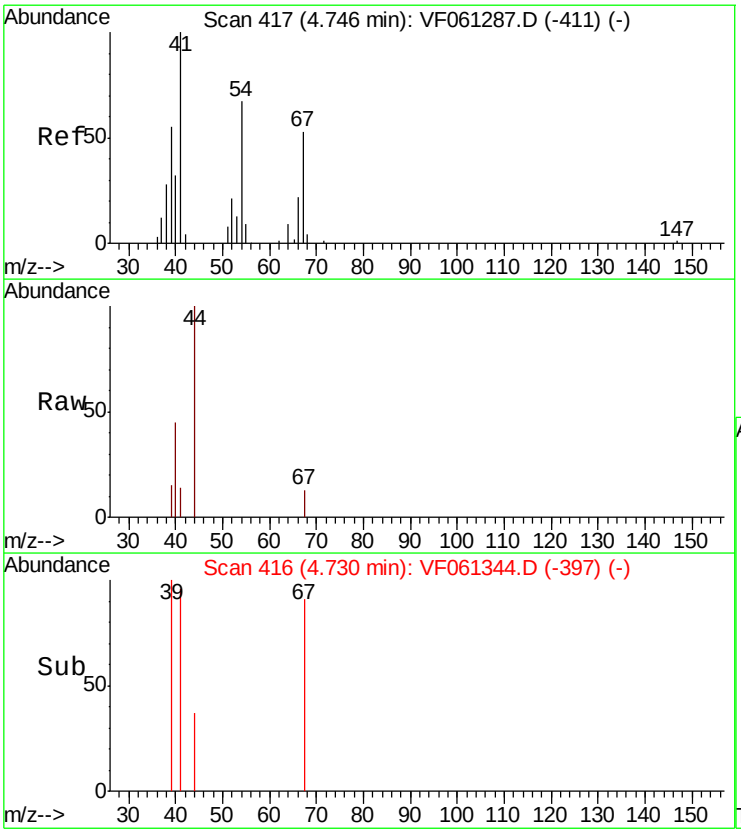


#37
Ethyl Acetate
Concen: 5.141 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.05 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 229

Ion	Ratio	Lower	Upper
43	100		
61	0.0	113.3	169.9#
70	0.0	9.4	14.0#

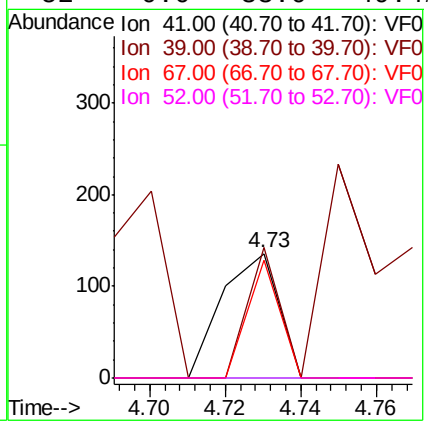


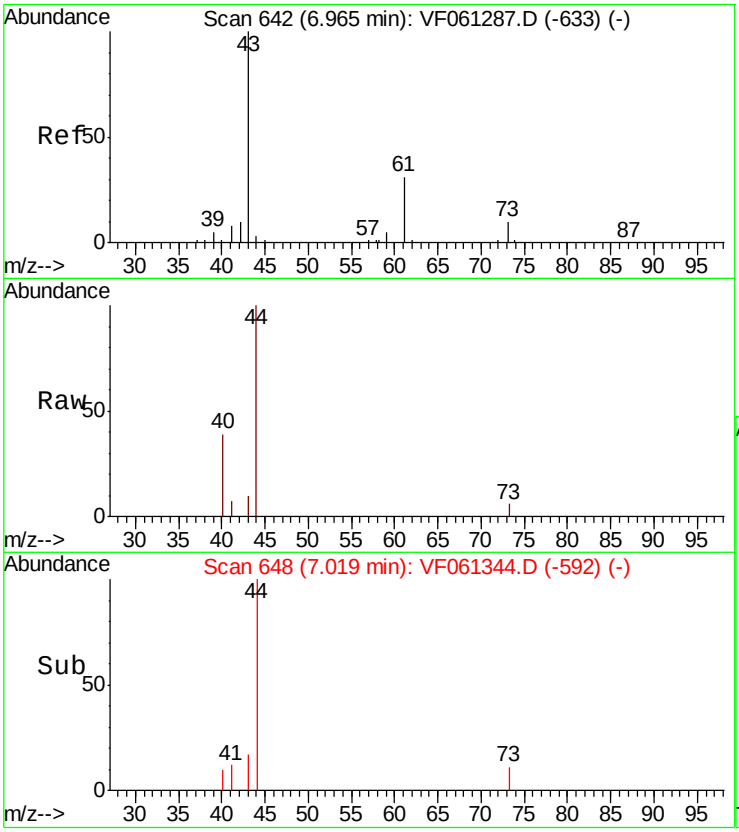


#41
Methacrylonitrile
Concen: 5.629 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 41 Resp: 140

Ion	Ratio	Lower	Upper
41	100		
39	104.4	52.7	79.1#
67	94.9	41.4	62.2#
52	0.0	33.0	49.4#

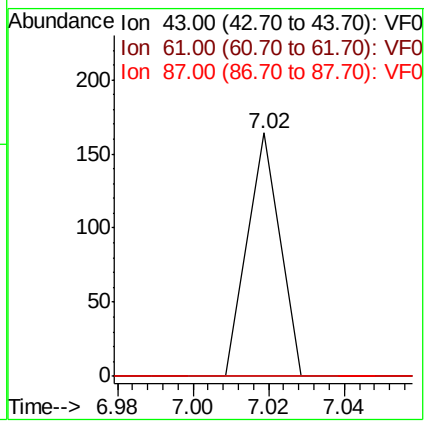


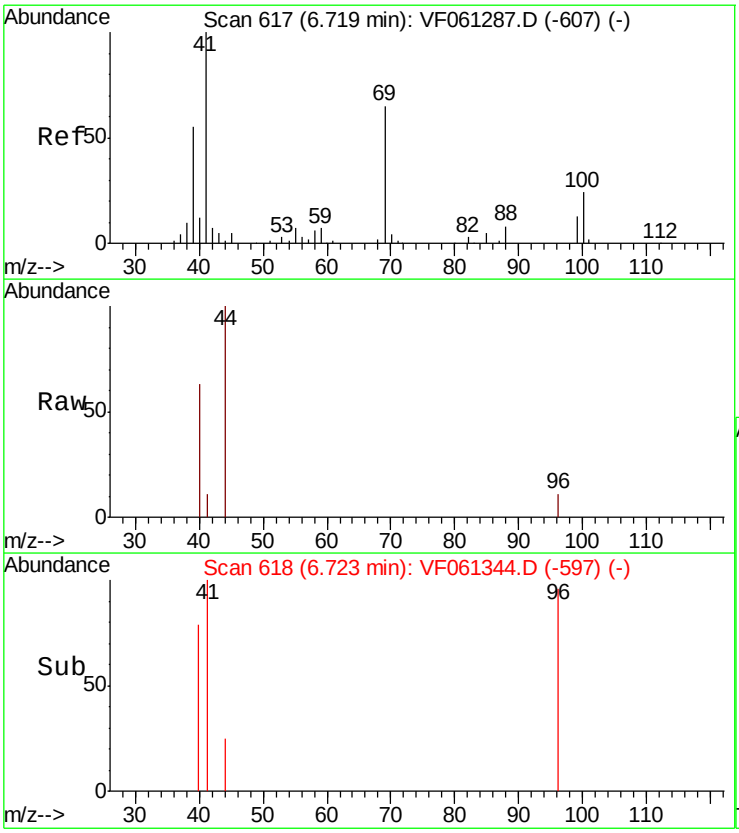


#43
Isopropyl Acetate
Concen: 1.650 ug/l
RT: 7.02 min Scan# 648
Delta R.T. 0.05 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 97

Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.3	36.5#
87	0.0	0.2	0.4#

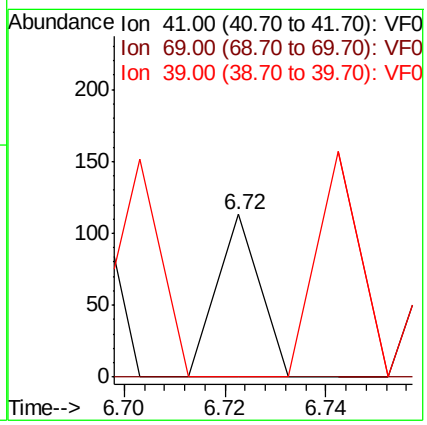


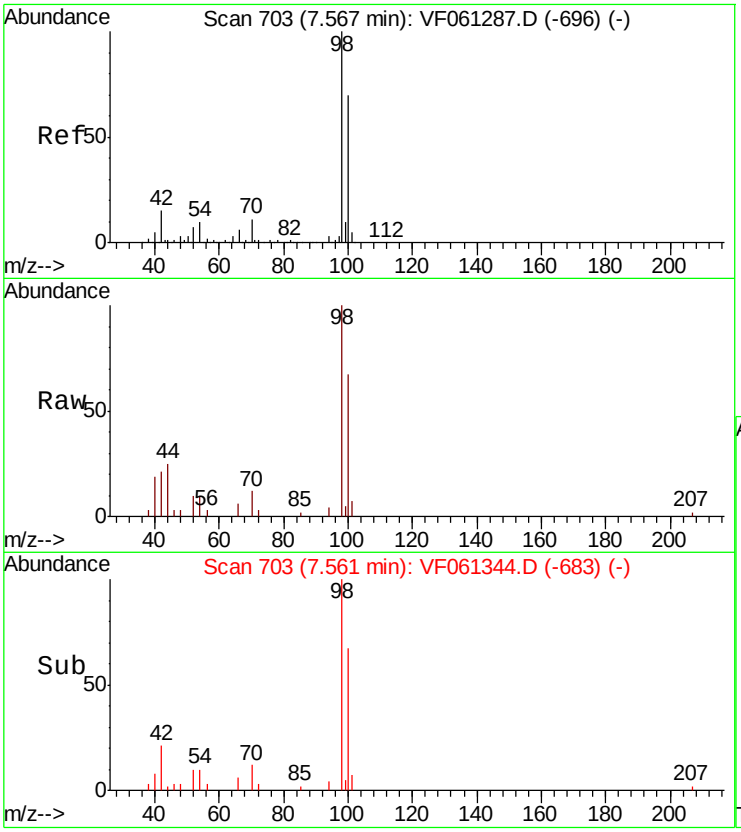


#48
Methyl methacrylate
Concen: 1.755 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 41 Resp: 67

Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.5	77.3#
39	0.0	44.1	66.1#

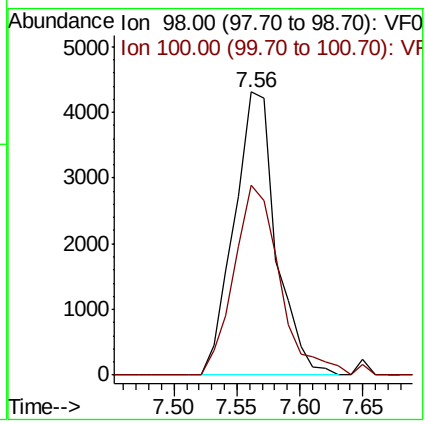


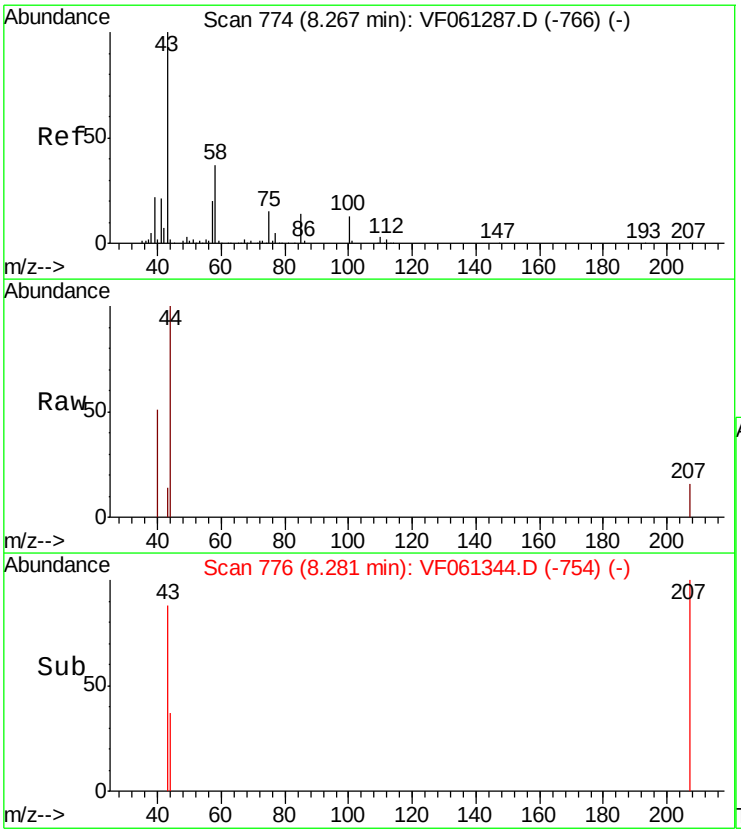


#50
Toluene-d8
Concen: 41.992 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 98 Resp: 9959

Ion	Ratio	Lower	Upper
98	100		
100	67.1	55.6	83.4

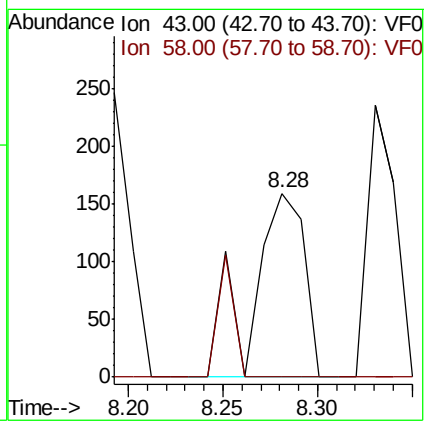


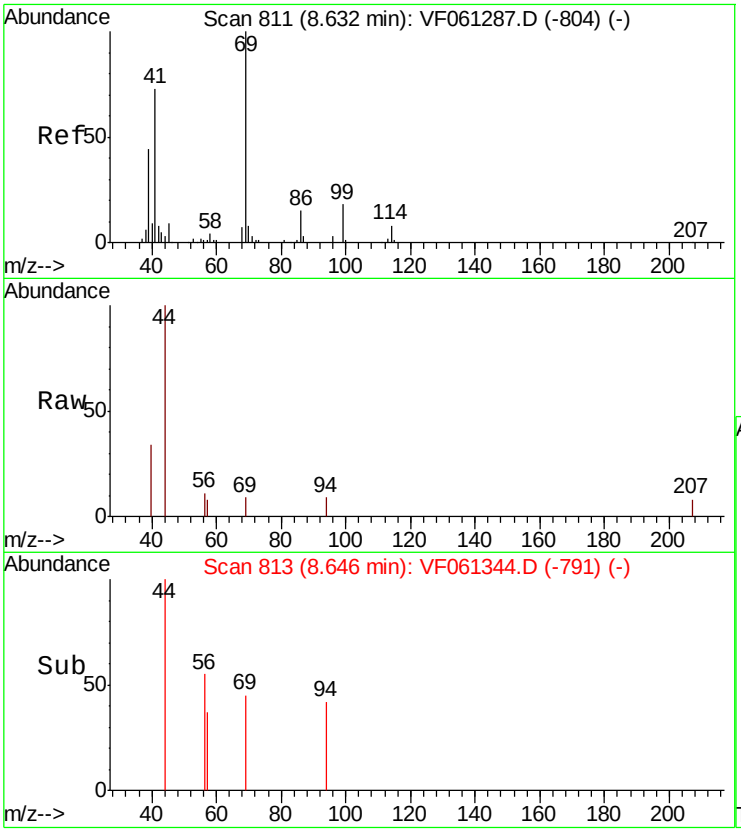


#51
4-Methyl-2-Pentanone
Concen: 6.917 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.01 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 307

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.6	44.4#

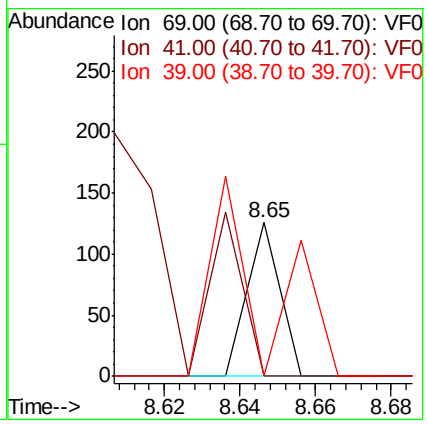


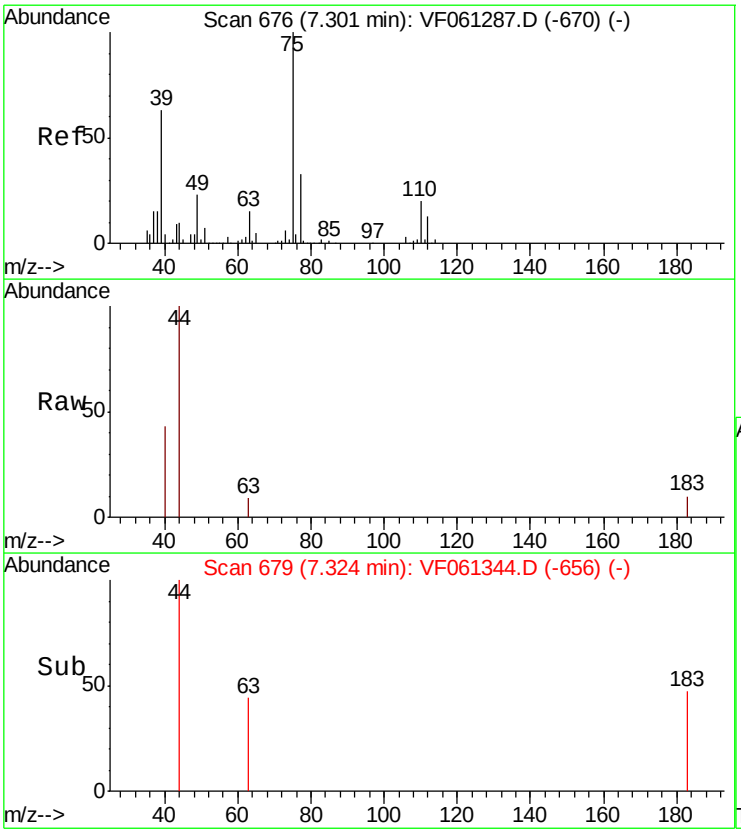


#56
Ethyl methacrylate
Concen: 1.307 ug/l
RT: 8.65 min Scan# 813
Delta R.T. 0.01 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 69 Resp: 75

Ion	Ratio	Lower	Upper
69	100		
41	0.0	59.0	88.4#
39	0.0	35.3	52.9#

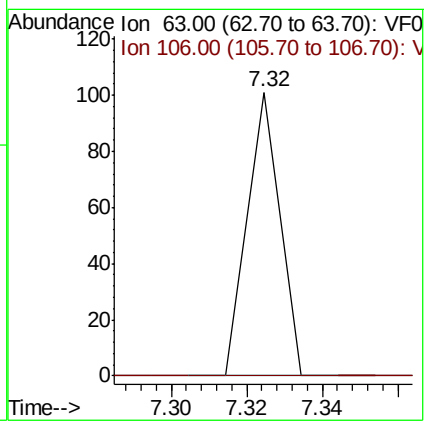


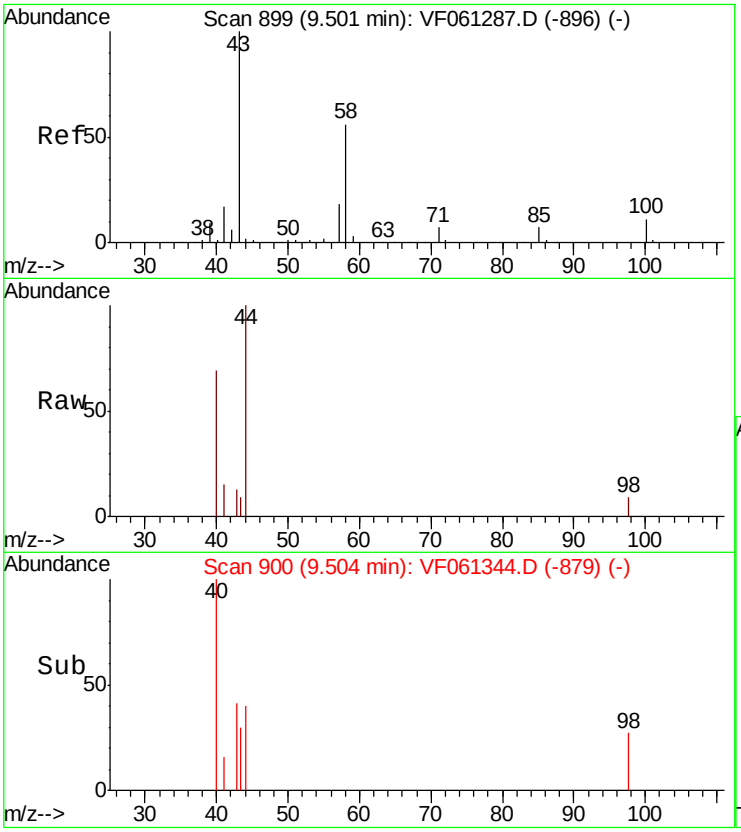


#58
2-Chloroethyl Vinyl ether
Concen: 24.528 ug/l
RT: 7.32 min Scan# 679
Delta R.T. 0.02 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 63 Resp: 60

Ion	Ratio	Lower	Upper
63	100		
106	0.0	16.5	24.7#

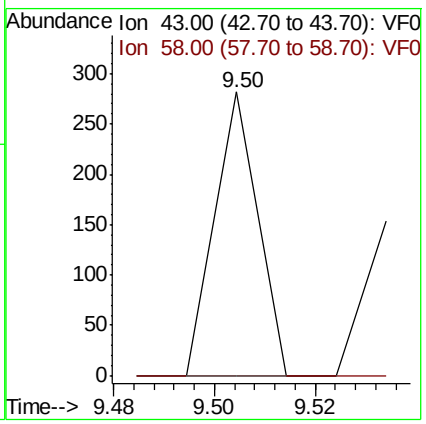


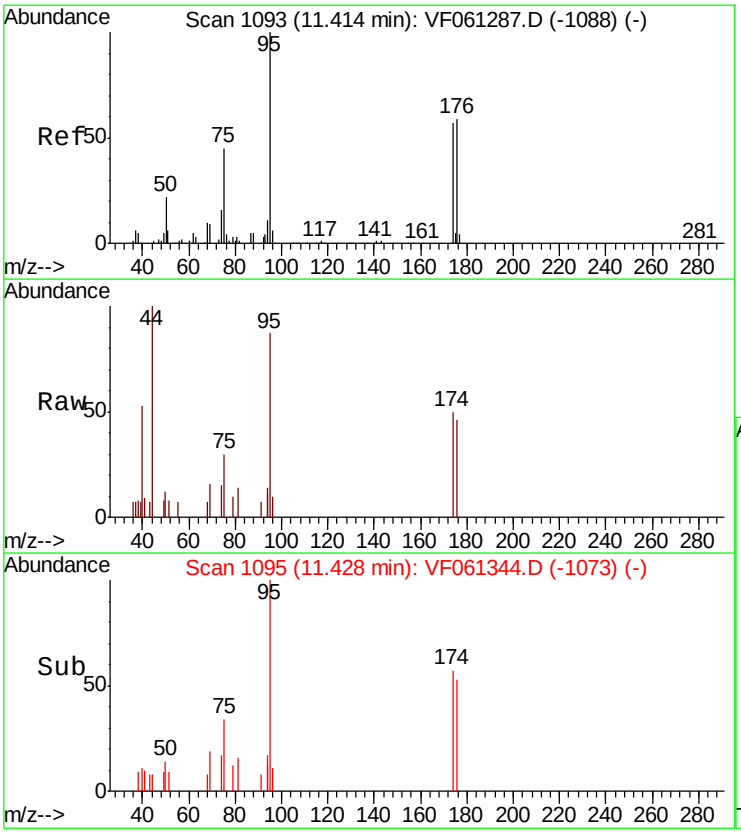


#59
2-Hexanone
Concen: 5.311 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 167

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.6	76.8#

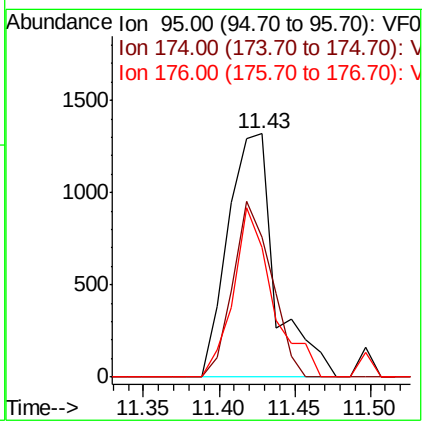


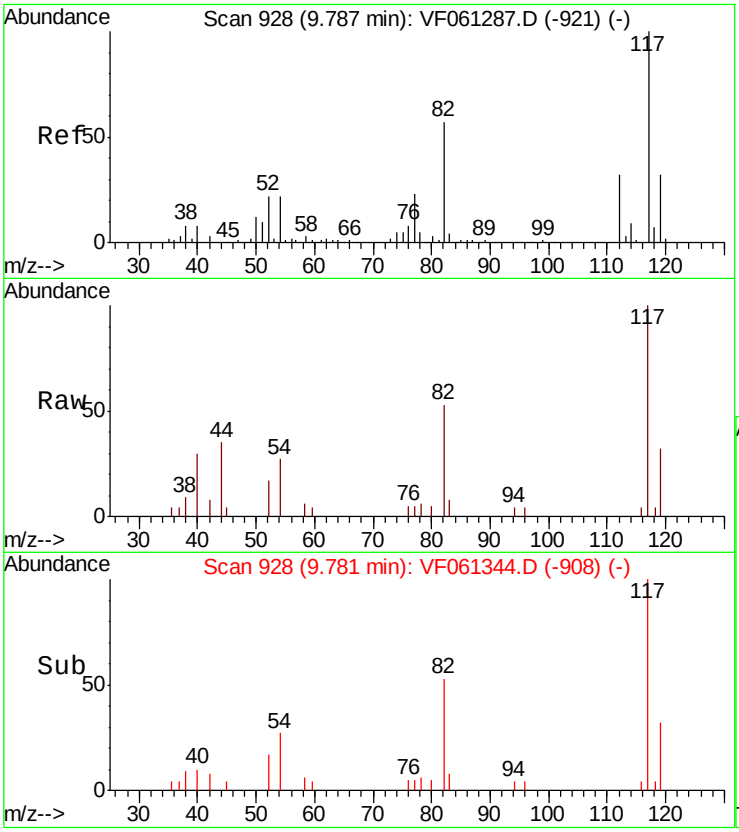


#62
4-Bromofluorobenzene
Concen: 27.771 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 95 Resp: 2876

Ion	Ratio	Lower	Upper
95	100		
174	57.2	0.0	114.2
176	53.3	0.0	117.8

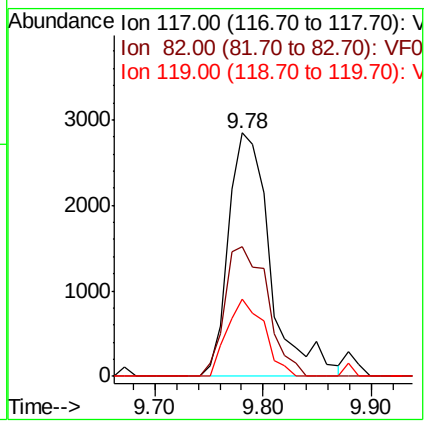


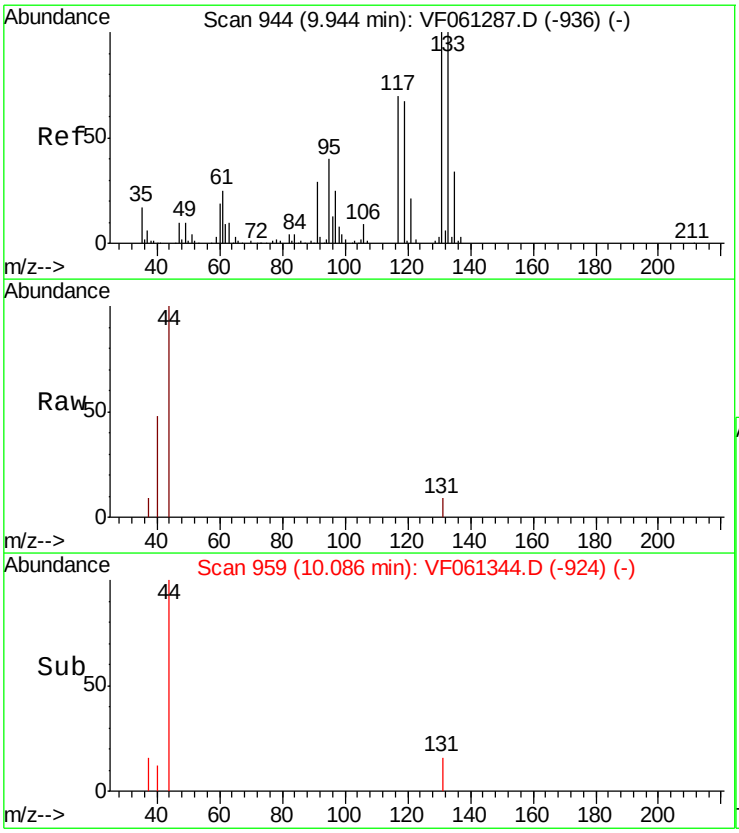


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:117 Resp: 7677

Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.3	67.9
119	31.9	25.4	38.0

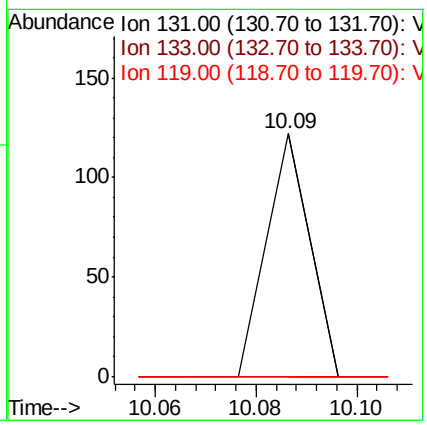


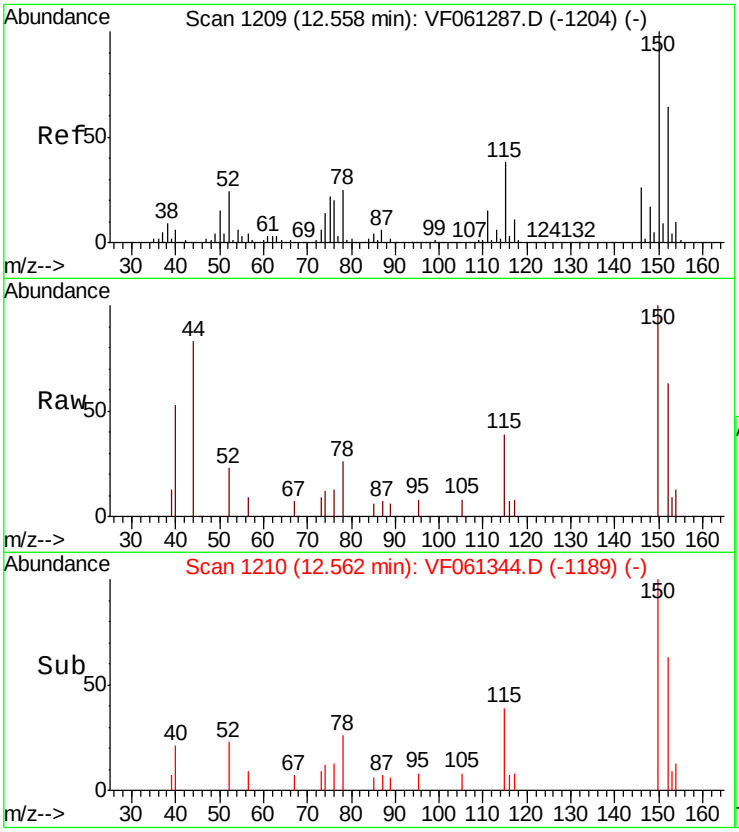


#66
1,1,1,2-Tetrachloroethane
Concen: 1.138 ug/l
RT: 10.09 min Scan# 959
Delta R.T. 0.14 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:131 Resp: 72

Ion	Ratio	Lower	Upper
131	100		
133	0.0	49.9	149.6#
119	0.0	33.9	101.6#

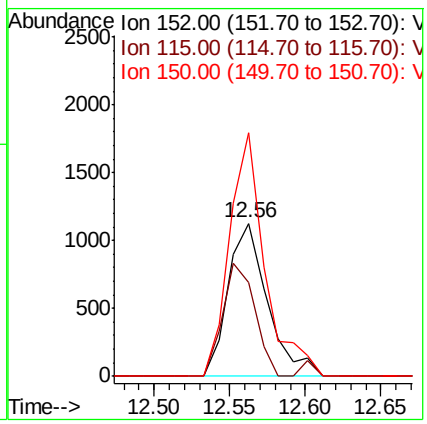


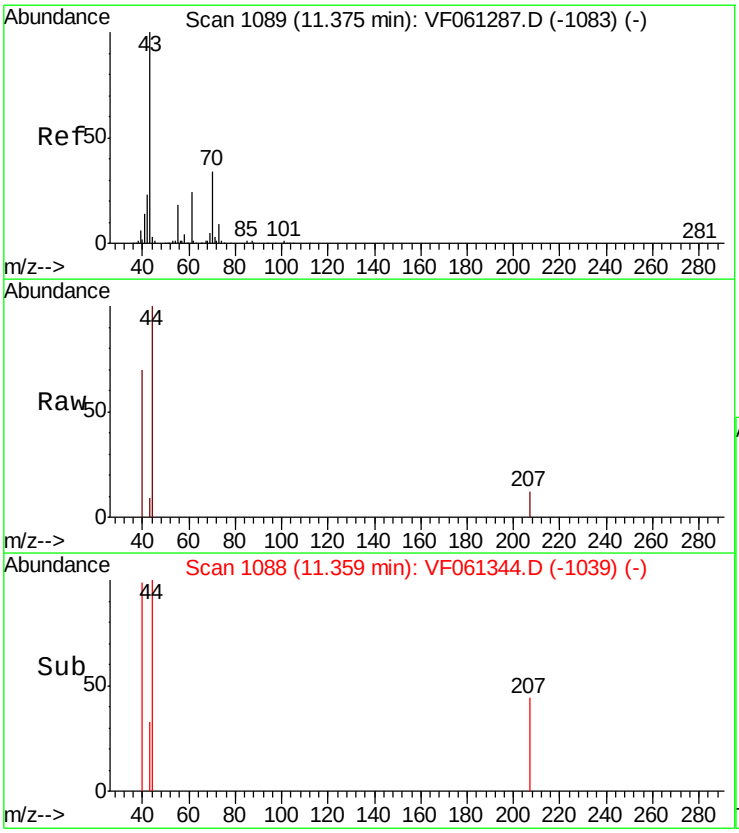


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:152 Resp: 2047

Ion	Ratio	Lower	Upper
152	100		
115	61.6	29.6	88.9
150	158.8	0.0	315.4

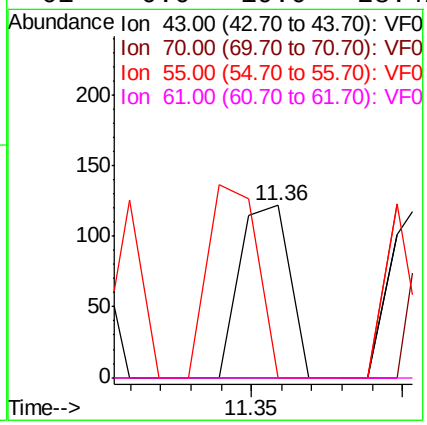


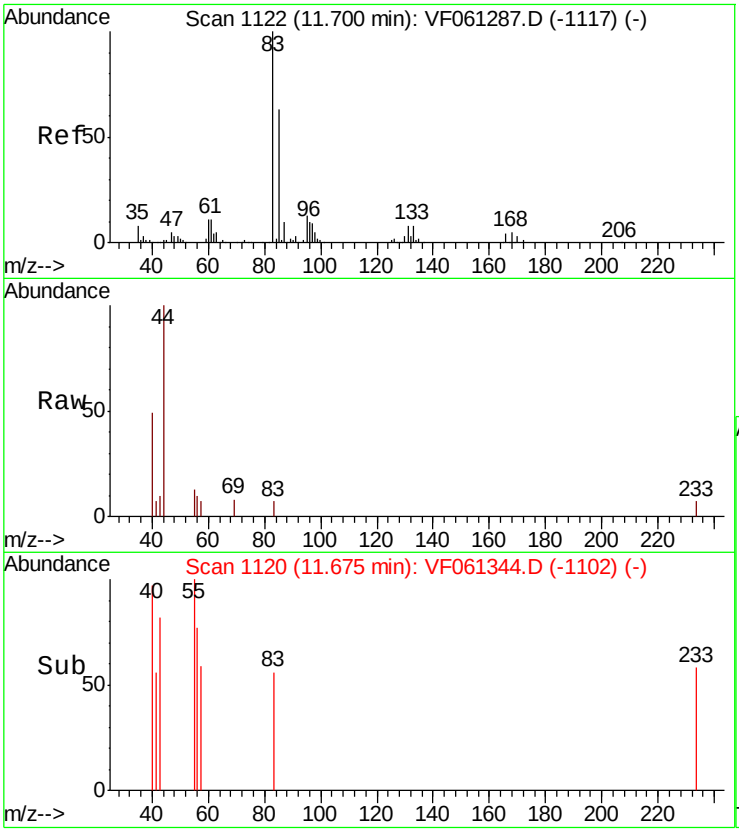


#74
N-amyl acetate
Concen: 3.419 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.02 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 43 Resp: 140

Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.4	41.0#
55	0.0	14.7	22.1#
61	0.0	19.0	28.4#

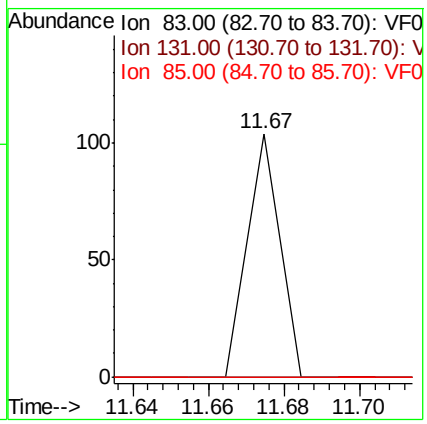


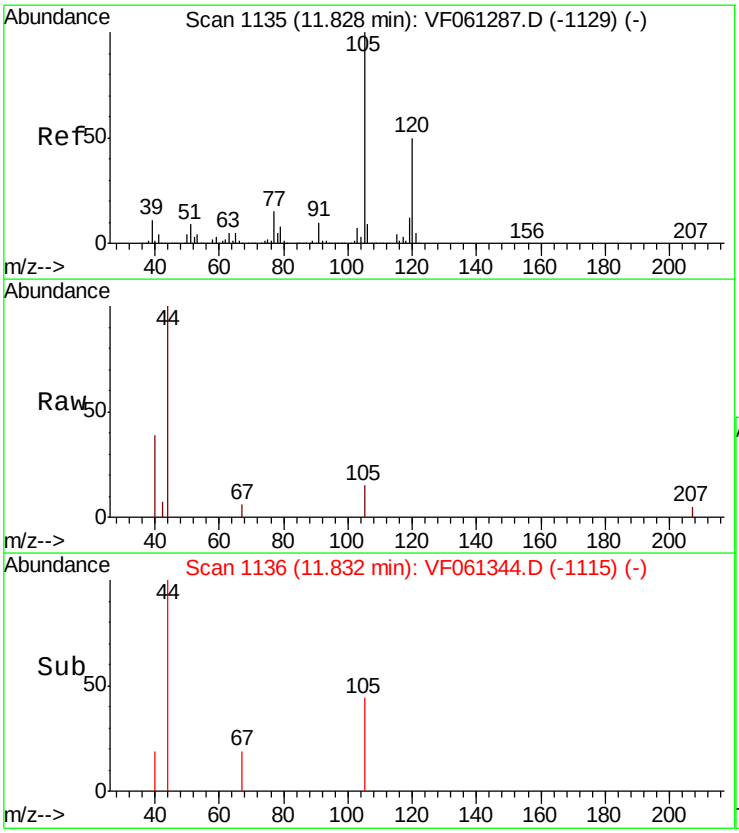


#75
1,1,2,2-Tetrachloroethane
Concen: 2.171 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.03 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 83 Resp: 62

Ion	Ratio	Lower	Upper
83	100		
131	0.0	3.9	11.7#
85	0.0	31.6	94.7#

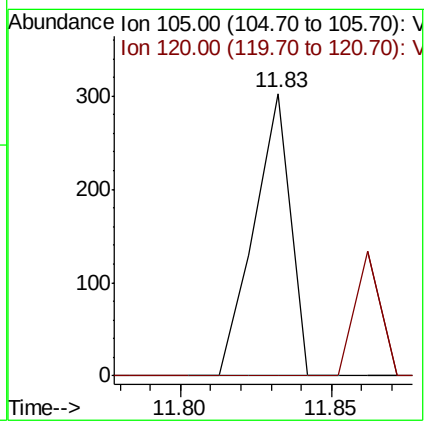


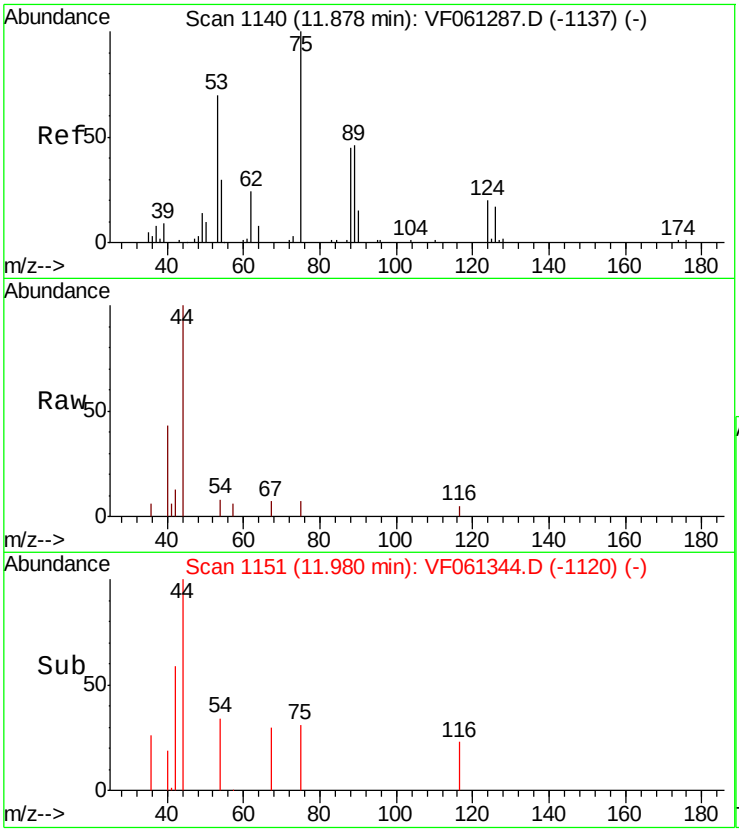


#80
1,3,5-Trimethylbenzene
Concen: 1.786 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:105 Resp: 256

Ion	Ratio	Lower	Upper
105	100		
120	0.0	25.2	75.6#

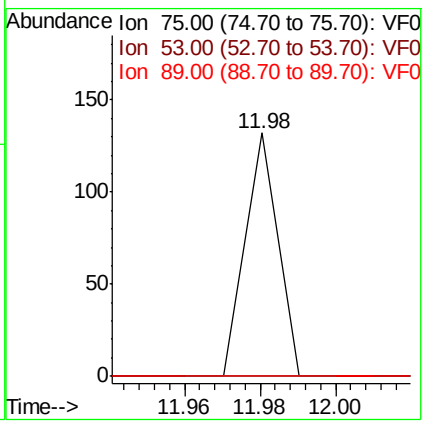


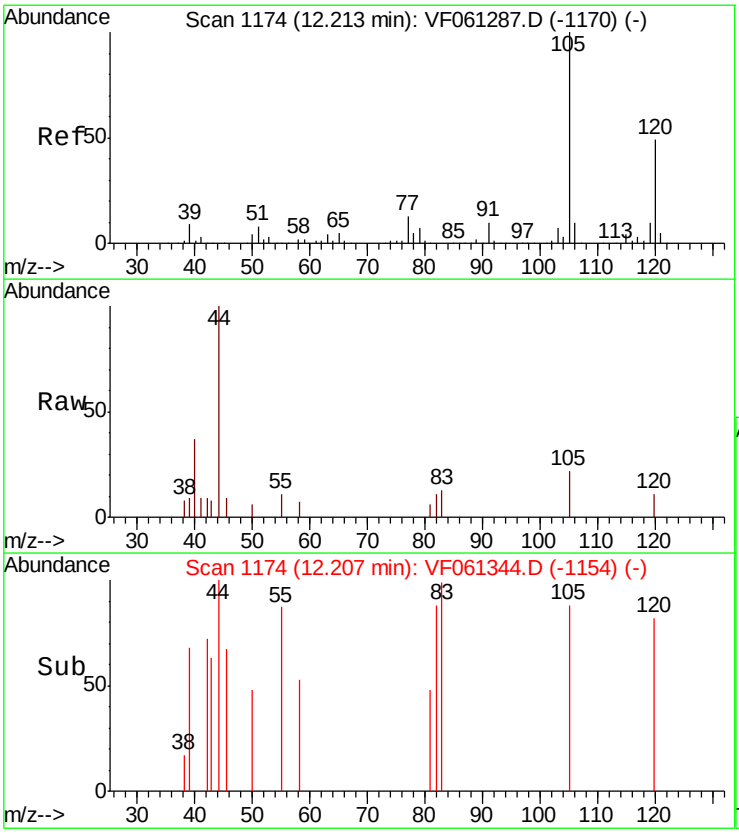


#81
trans-1,4-Dichloro-2-butene
Concen: 8.521 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.10 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion: 75 Resp: 78

Ion	Ratio	Lower	Upper
75	100		
53	0.0	62.2	93.2#
89	0.0	40.2	60.4#





#84
1,2,4-Trimethylbenzene
Concen: 4.786 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF061344.D
Acq: 10 Jan 2019 15:19

Tgt Ion:105 Resp: 681

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.7	74.1