Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
Data File : VF061343.D
Acq On : 10 Jan 2019 14:50
Operator : VA/AP
Sample : K1006-09
Misc : 4.05g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 11 00:30:50 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	4.88	168	5665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	7639	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	4751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	1540	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	1080	17.13	ug/l	0.00
Spiked Amount 50.000			Recovery = 34.26%			
35) Dibromofluoromethane	4.13	113	1739	29.75	ug/l	0.02
Spiked Amount 50.000			Recovery = 59.50%			
50) Toluene-d8	7.56	98	7052	40.77	ug/l	-0.01
Spiked Amount 50.000			Recovery = 81.54%			
62) 4-Bromofluorobenzene	11.42	95	1800	23.83	ug/l	0.00
Spiked Amount 50.000			Recovery = 47.66%			
Target Compounds						Qvalue
5) Bromomethane	1.28	94	201	5.523	ug/l #	6
6) Chloroethane	1.22	64	82	2.019	ug/l #	45
8) Diethyl Ether	1.46	74	60	2.898	ug/l	97
11) Tert butyl alcohol	2.72	59	62	24.558	ug/l #	58
12) 1,1-Dichloroethene	1.81	96	143	2.402	ug/l #	1
13) Acrolein	2.00	56	439	151.563	ug/l	93
14) Allyl chloride	2.10	41	298	2.739	ug/l #	71
15) Acrylonitrile	2.92	53	82	9.162	ug/l #	12
16) Acetone	2.19	43	1158	78.947	ug/l	94
18) Methyl Acetate	2.37	43	418	14.484	ug/l #	65
20) Methylene Chloride	2.19	84	161	2.594	ug/l #	24
21) trans-1,2-Dichloroethene	2.30	96	99	1.569	ug/l #	1
22) Diisopropyl ether	2.80	45	282	1.340	ug/l #	1
23) Vinyl Acetate	3.21	43	983	15.967	ug/l #	77
25) 2-Butanone	4.33	43	314	13.300	ug/l #	56
28) Bromochloromethane	3.71	49	71	1.322	ug/l #	13
29) Tetrahydrofuran	4.09	42	60	6.079	ug/l #	36
37) Ethyl Acetate	4.15	43	95	2.924	ug/l #	1
41) Methacrylonitrile	4.74	41	134	7.387	ug/l #	53
43) Isopropyl Acetate	7.00	43	62	1.446	ug/l #	45
48) Methyl methacrylate	6.75	41	507	18.212	ug/l #	21
49) 1,4-Dioxane	6.70	88	73	415.585	ug/l #	20
51) 4-Methyl-2-Pentanone	8.29	43	308	9.514	ug/l #	38
55) 1,1,2-Trichloroethane	8.40	97	61	1.628	ug/l #	15
56) Ethyl methacrylate	8.74	69	137	3.272	ug/l #	20
59) 2-Hexanone	9.49	43	198	8.634	ug/l #	27
67) Ethyl Benzene	9.91	91	220	1.189	ug/l #	48
68) m/p-Xylenes	10.14	106	82	1.271	ug/l	83
69) o-Xylene	10.71	106	191	2.650	ug/l #	1
74) N-amyl acetate	11.39	43	163	5.291	ug/l #	48
80) 1,3,5-Trimethylbenzene	11.72	105	583	5.407	ug/l	88
84) 1,2,4-Trimethylbenzene	12.21	105	858	8.015	ug/l	70
95) Naphthalene	14.47	128	70	1.074	ug/l #	70

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
Data File : VF061343.D
Acq On : 10 Jan 2019 14:50
Operator : VA/AP
Sample : K1006-09
Misc : 4.05g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 11 00:30:50 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)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
Data File : VF061343.D
Acq On : 10 Jan 2019 14:50
Operator : VA/AP
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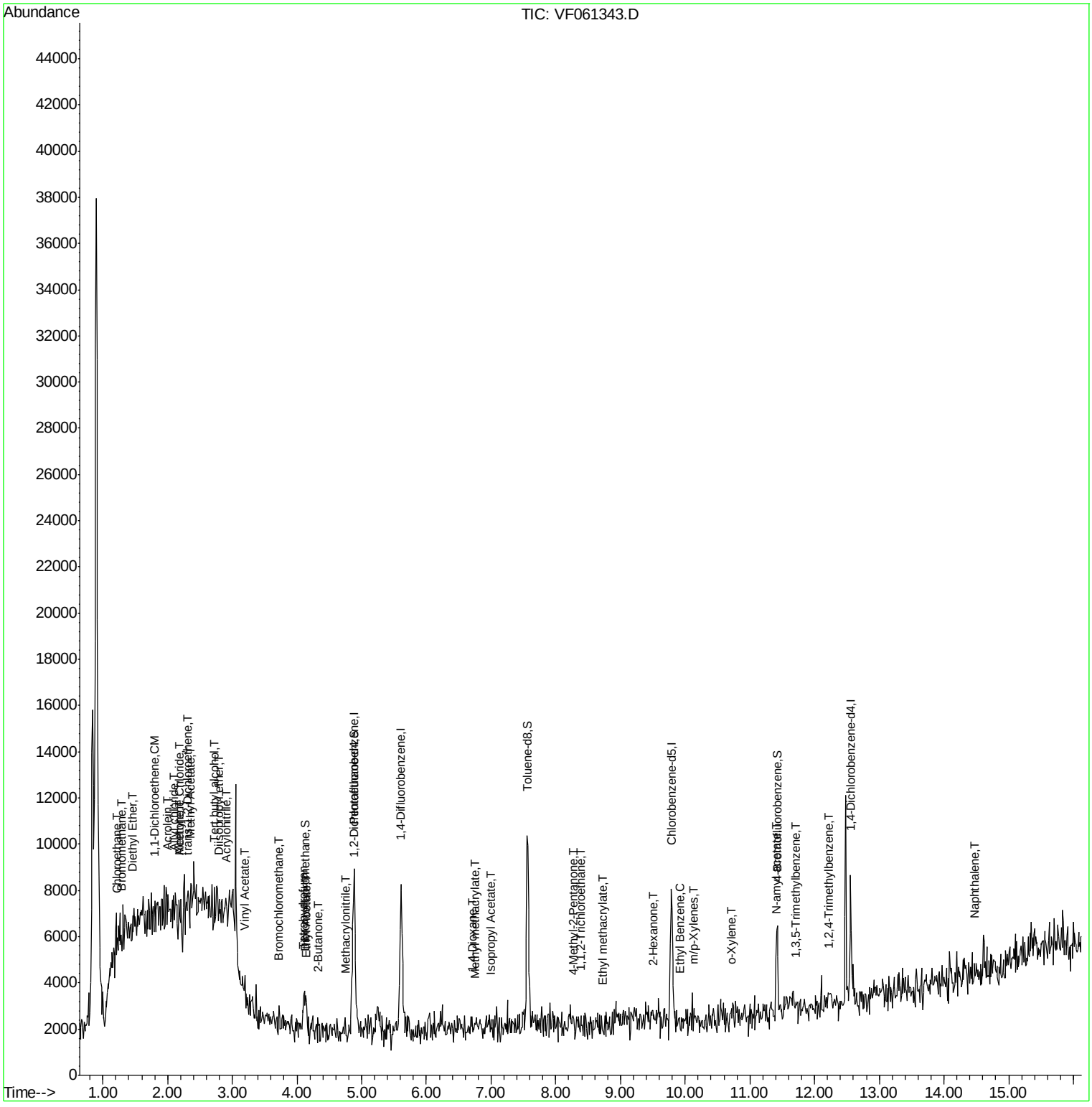
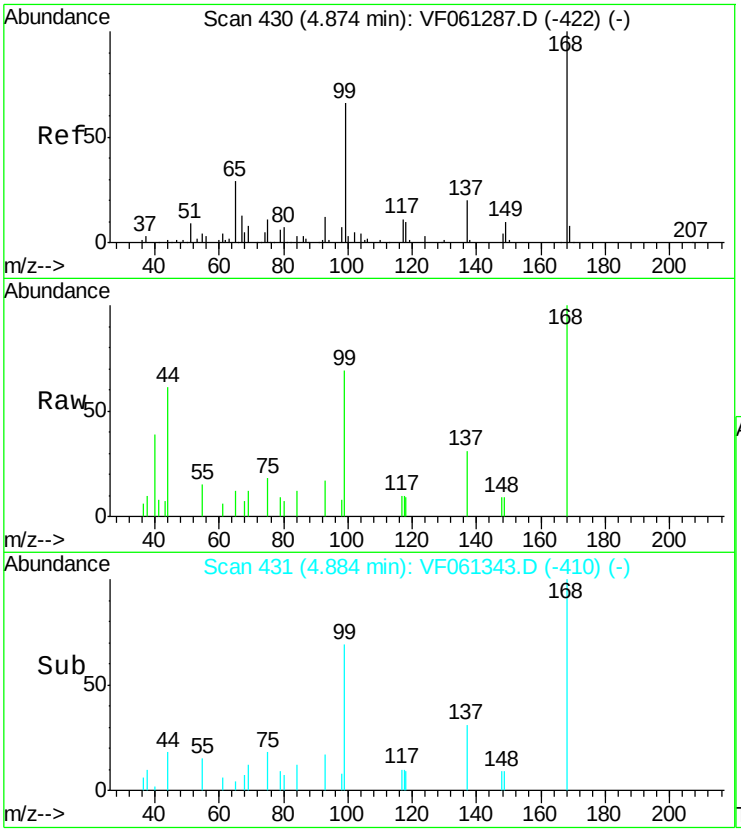
Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

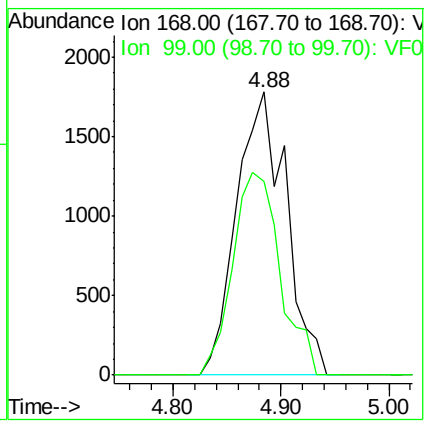


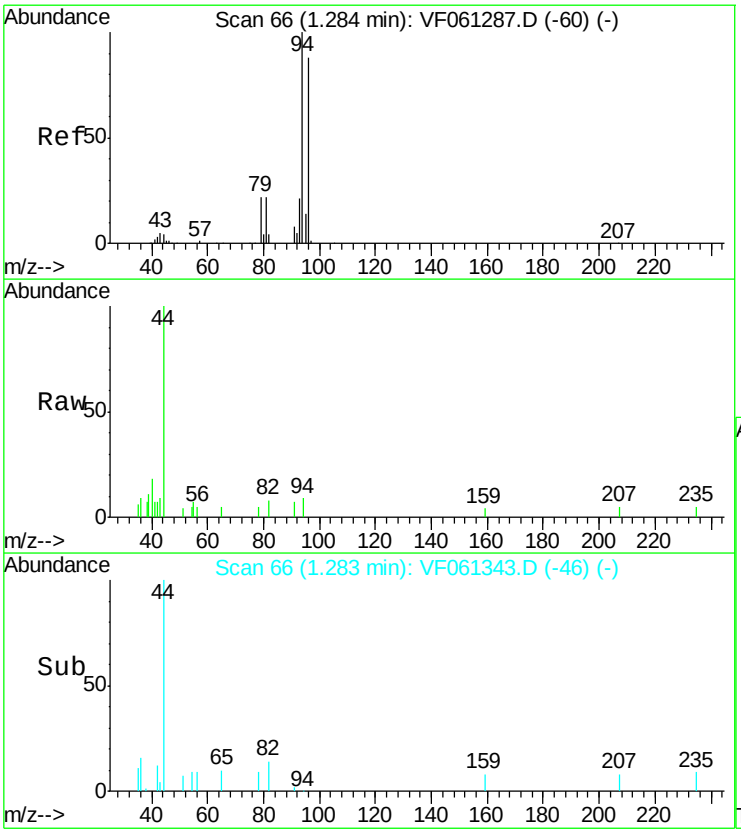


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:168 Resp: 5665

Ion	Ratio	Lower	Upper
168	100		
99	68.5	52.7	79.1

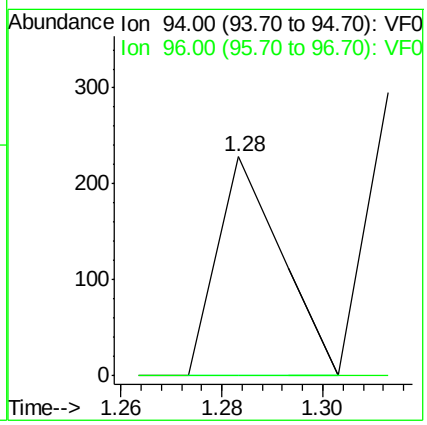


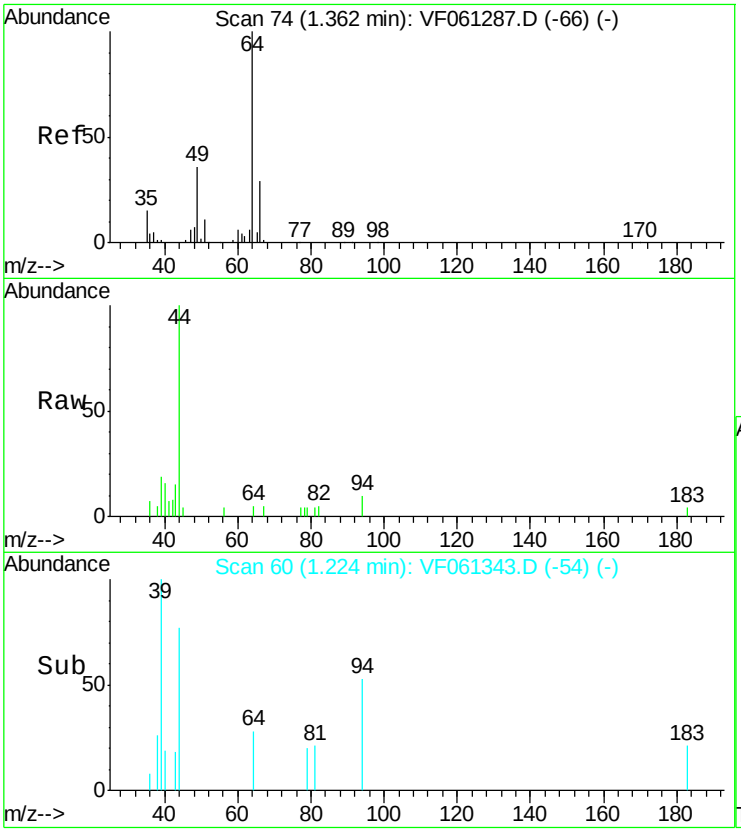


#5
Bromomethane
Concen: 5.523 ug/l
RT: 1.28 min Scan# 66
Delta R.T. 0.00 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 94 Resp: 201

Ion	Ratio	Lower	Upper
94	100		
96	0.0	70.2	105.4#

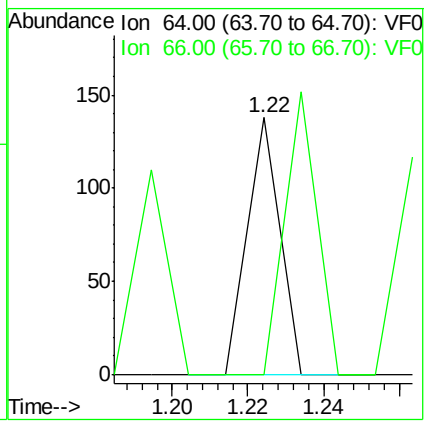


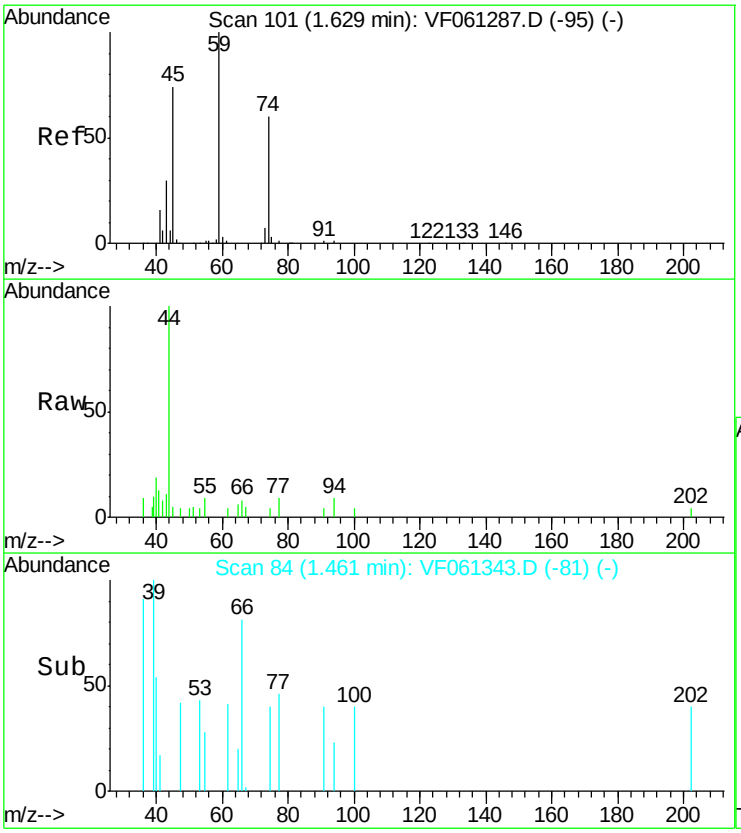


#6
Chloroethane
Concen: 2.019 ug/l
RT: 1.22 min Scan# 60
Delta R.T. -0.14 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 64 Resp: 82

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.4	35.0#

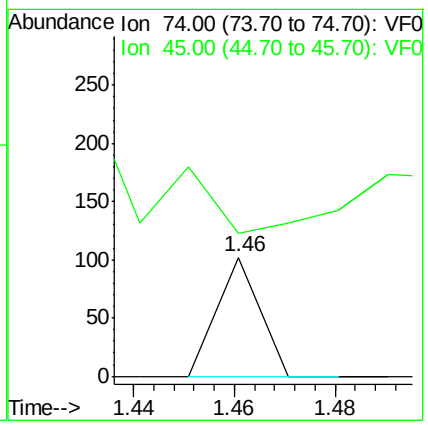


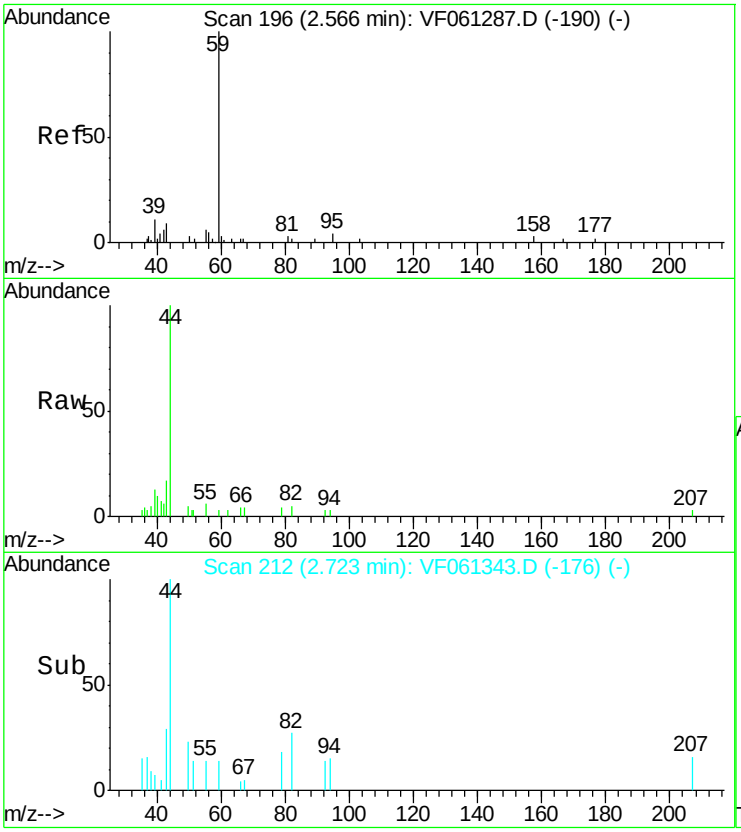


#8
Diethyl Ether
Concen: 2.898 ug/l
RT: 1.46 min Scan# 84
Delta R.T. -0.17 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 74 Resp: 60

Ion	Ratio	Lower	Upper
74	100		
45	120.6	62.1	186.3

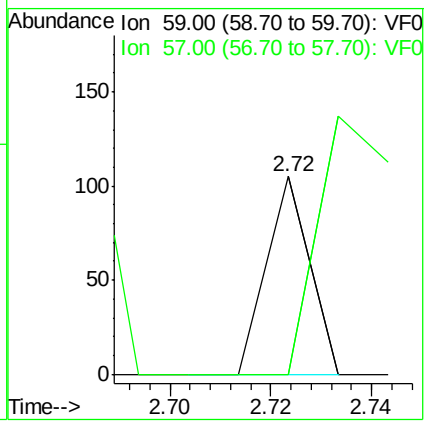


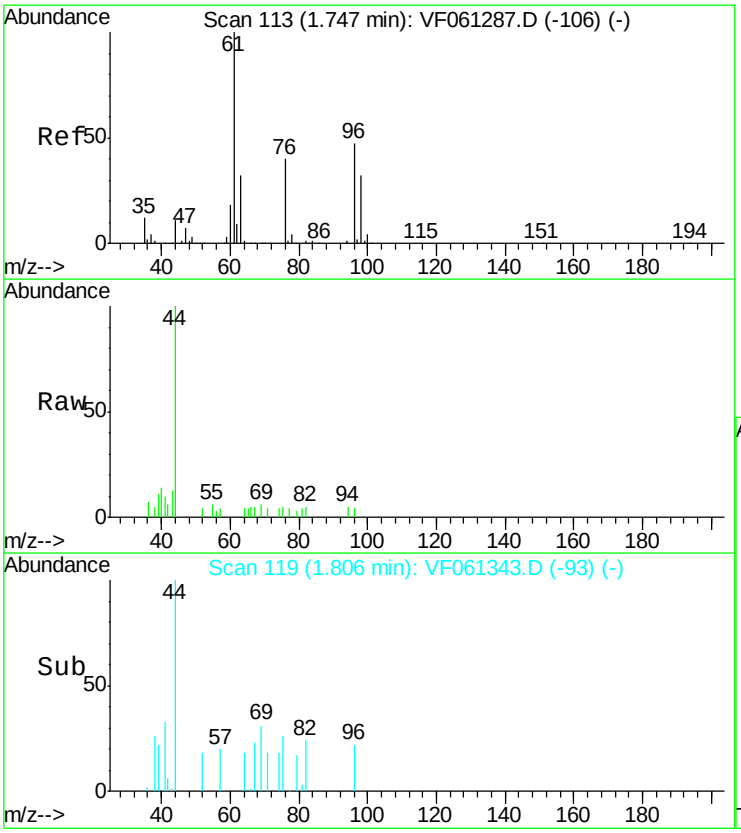


#11
Tert butyl alcohol
Concen: 24.558 ug/l
RT: 2.72 min Scan# 212
Delta R.T. 0.16 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 59 Resp: 62

Ion	Ratio	Lower	Upper
59	100		
57	0.0	15.1	22.7#

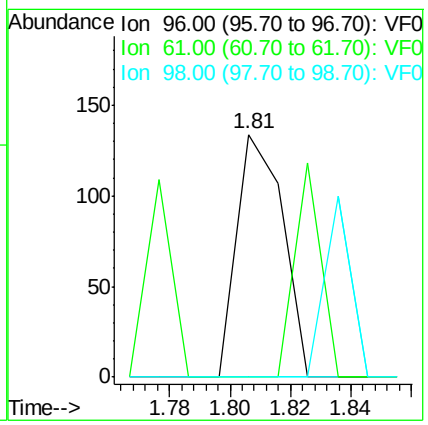


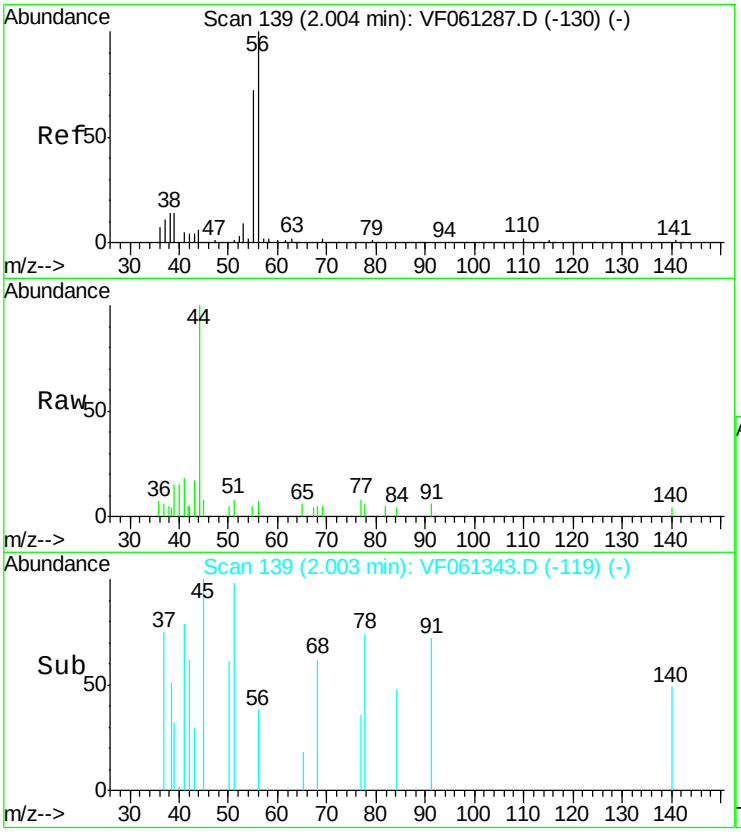


#12
1,1-Dichloroethene
Concen: 2.402 ug/l
RT: 1.81 min Scan# 119
Delta R.T. 0.06 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 96 Resp: 143

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

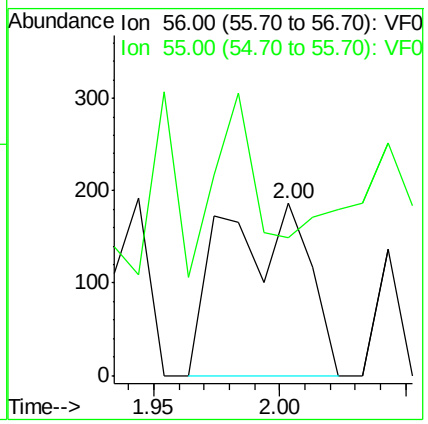


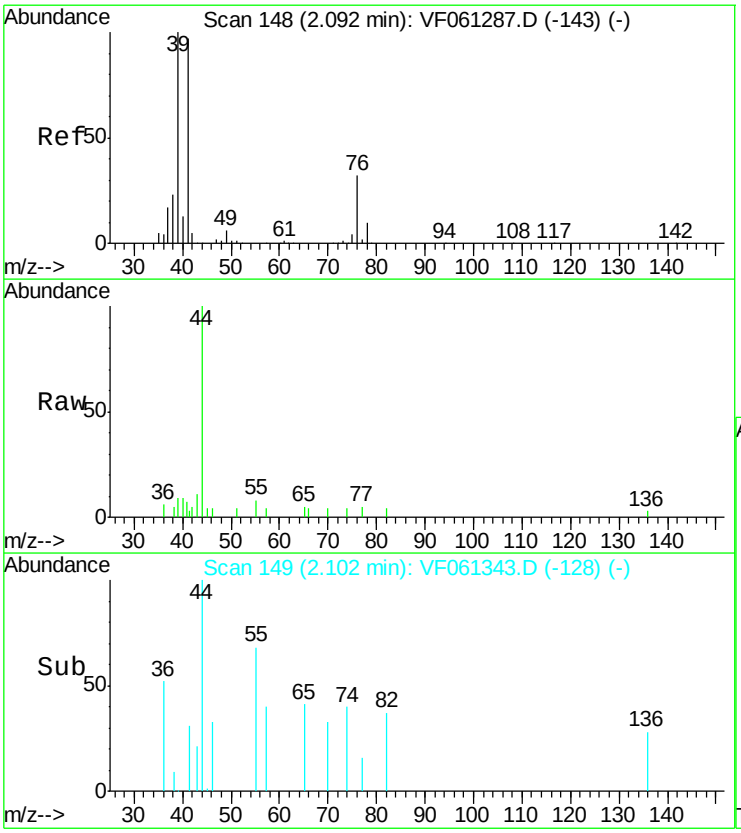


#13
Acrolein
Concen: 151.563 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 56 Resp: 439

Ion	Ratio	Lower	Upper
56	100		
55	80.1	59.4	89.0

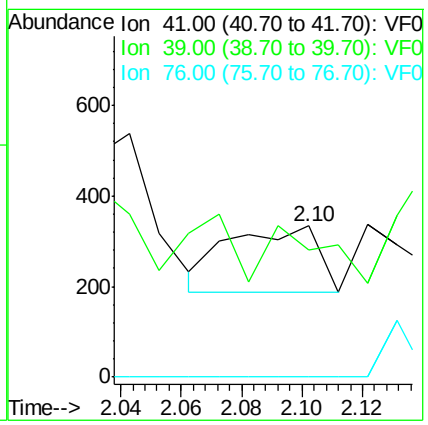


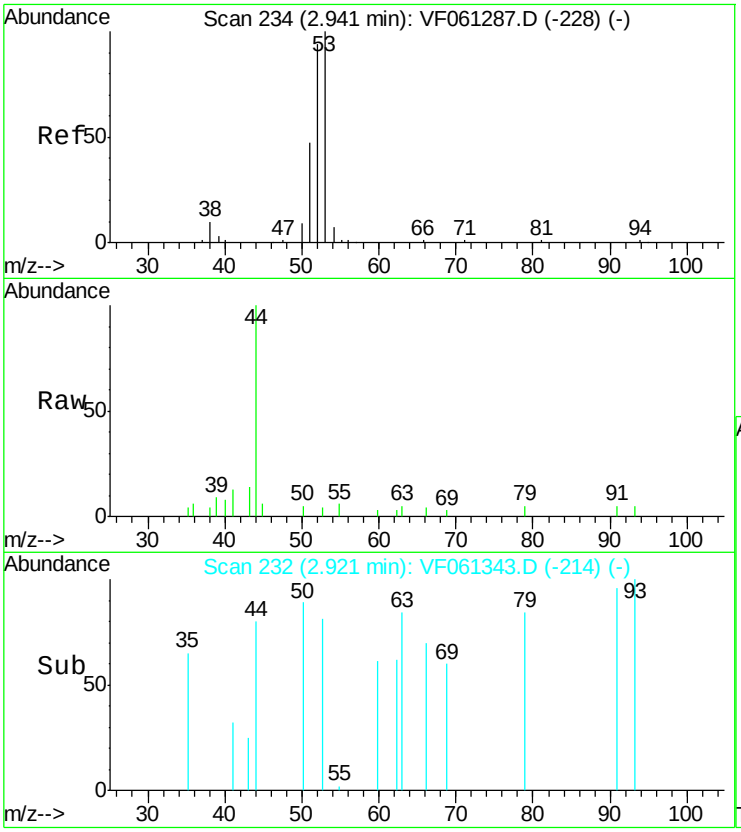


#14
Allyl chloride
Concen: 2.739 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 41 Resp: 298

Ion	Ratio	Lower	Upper
41	100		
39	84.1	82.6	123.8
76	0.0	26.9	40.3#

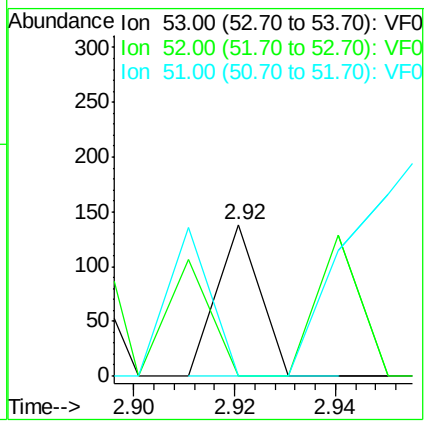


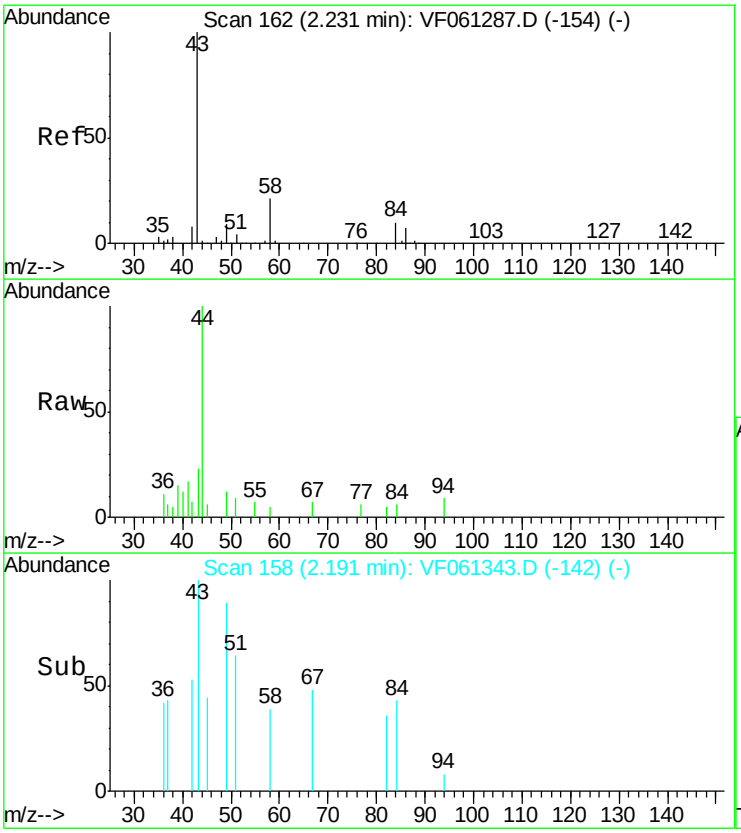


#15
Acrylonitrile
Concen: 9.162 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.02 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 53 Resp: 82

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

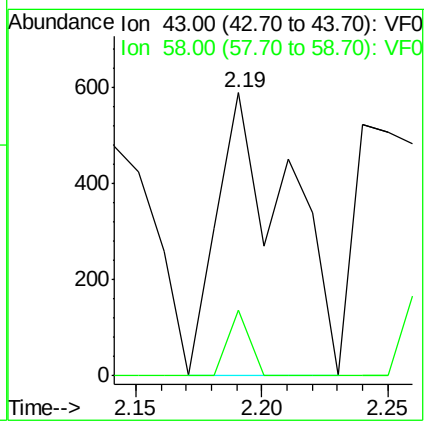


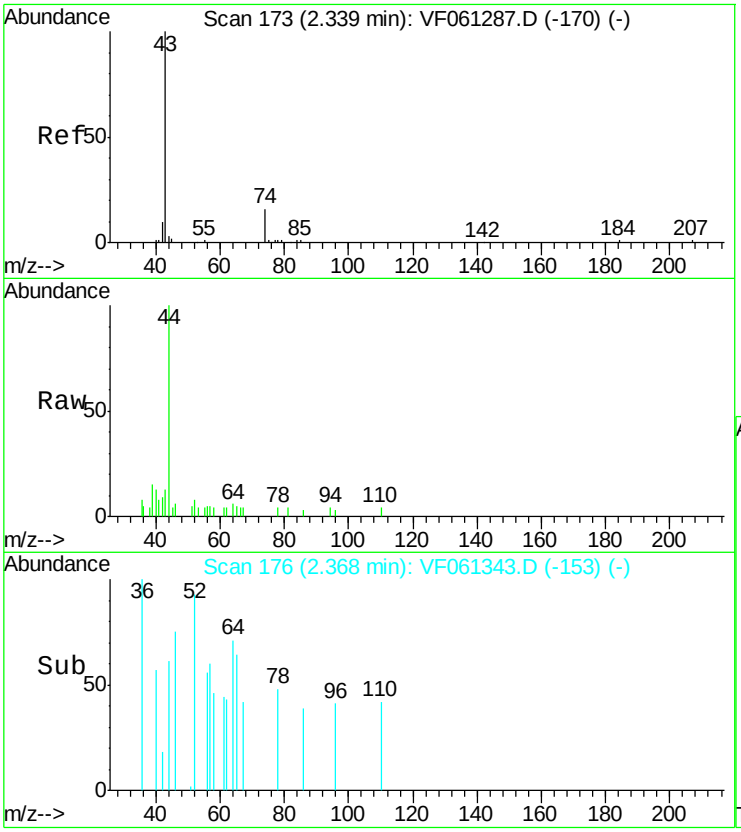


#16
Acetone
Concen: 78.947 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.04 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 1158

Ion	Ratio	Lower	Upper
43	100		
58	23.4	16.6	25.0

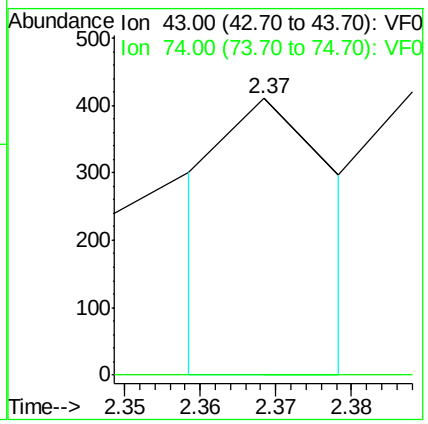


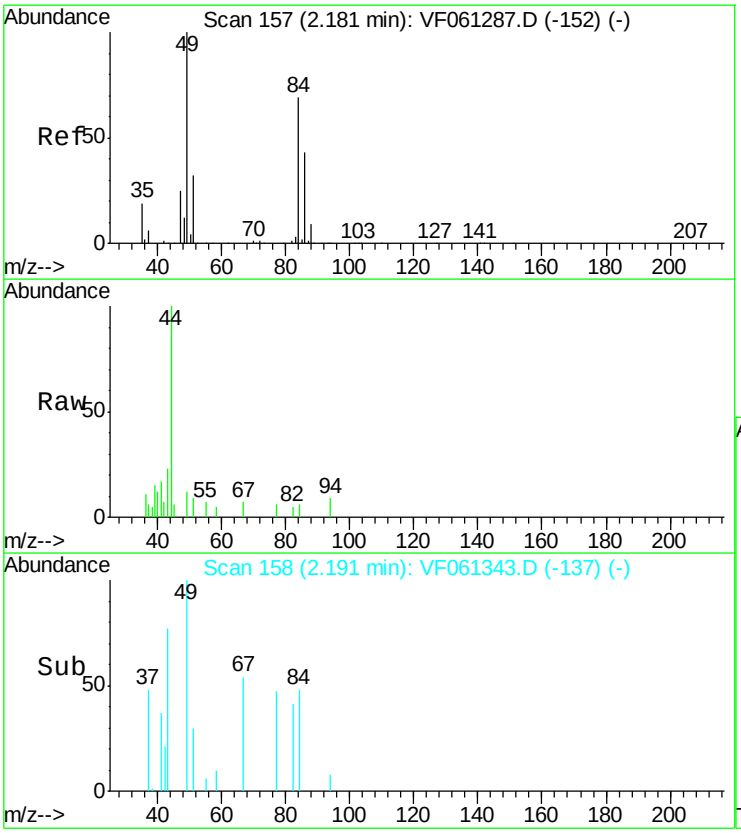


#18
Methyl Acetate
Concen: 14.484 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 418

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.6	17.4#

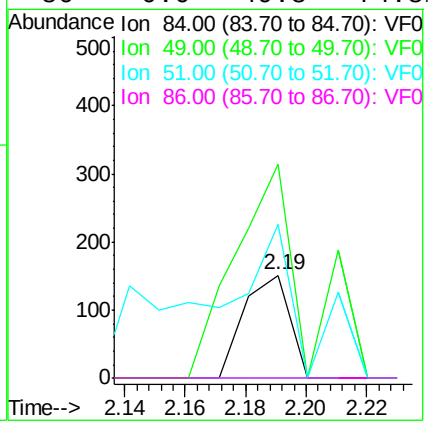


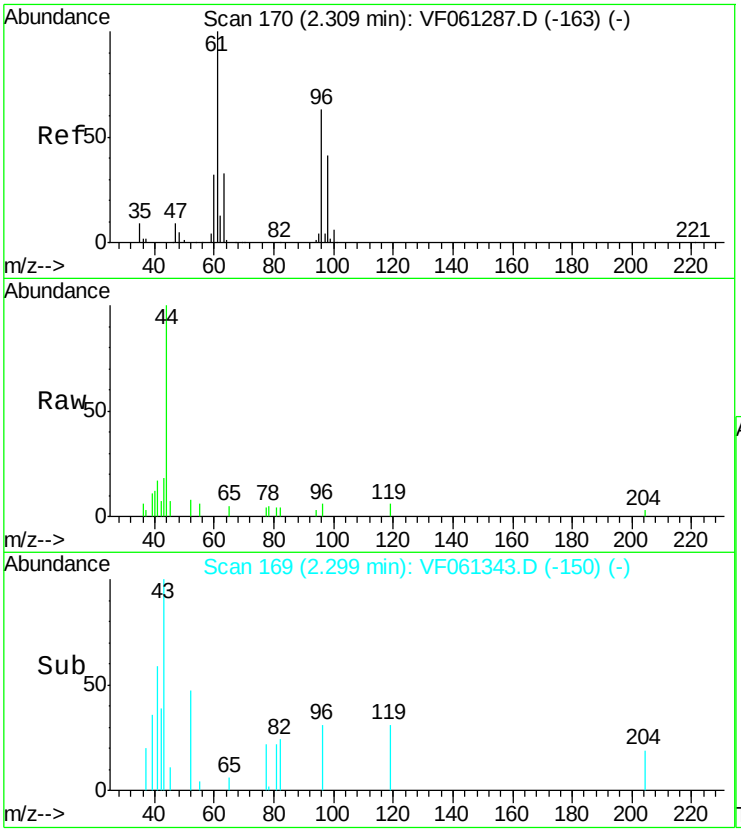


#20
Methylene Chloride
Concen: 2.594 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 84 Resp: 161

Ion	Ratio	Lower	Upper
84	100		
49	207.9	116.6	175.0#
51	149.7	37.7	56.5#
86	0.0	49.8	74.8#

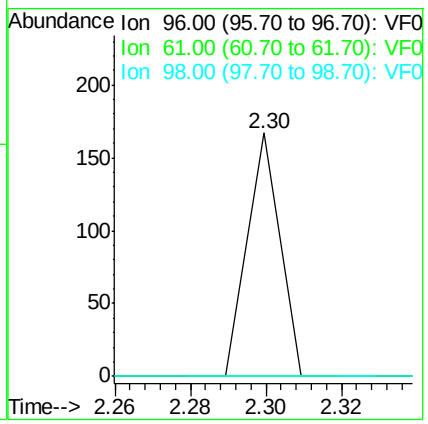


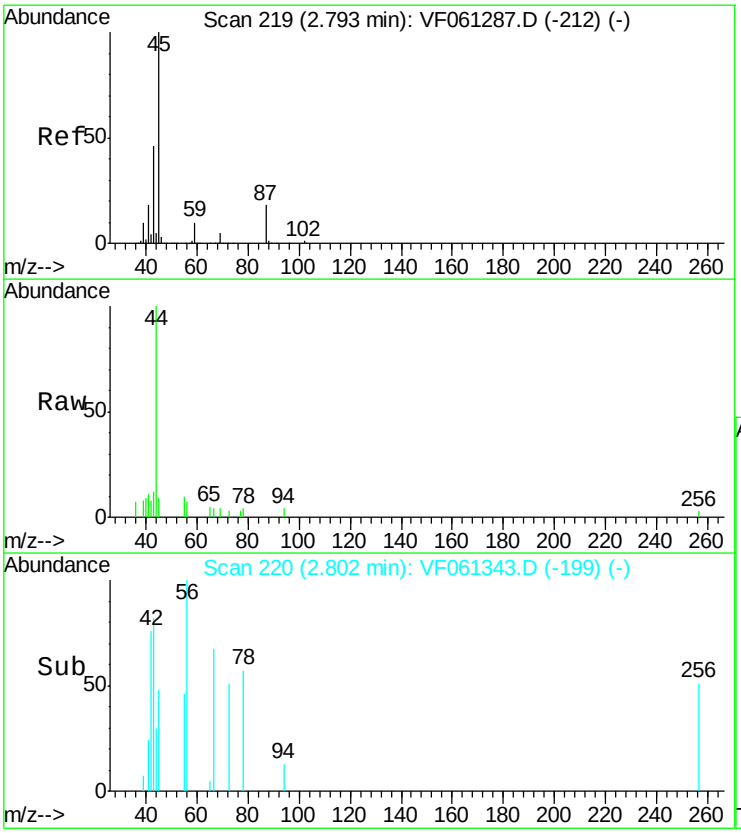


#21
trans-1,2-Dichloroethene
Concen: 1.569 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 96 Resp: 99

Ion	Ratio	Lower	Upper
96	100		
61	0.0	127.0	190.4#
98	0.0	51.7	77.5#

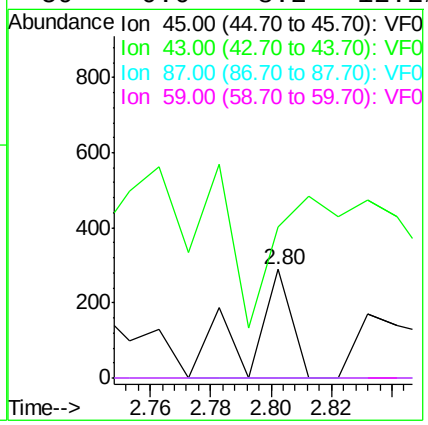


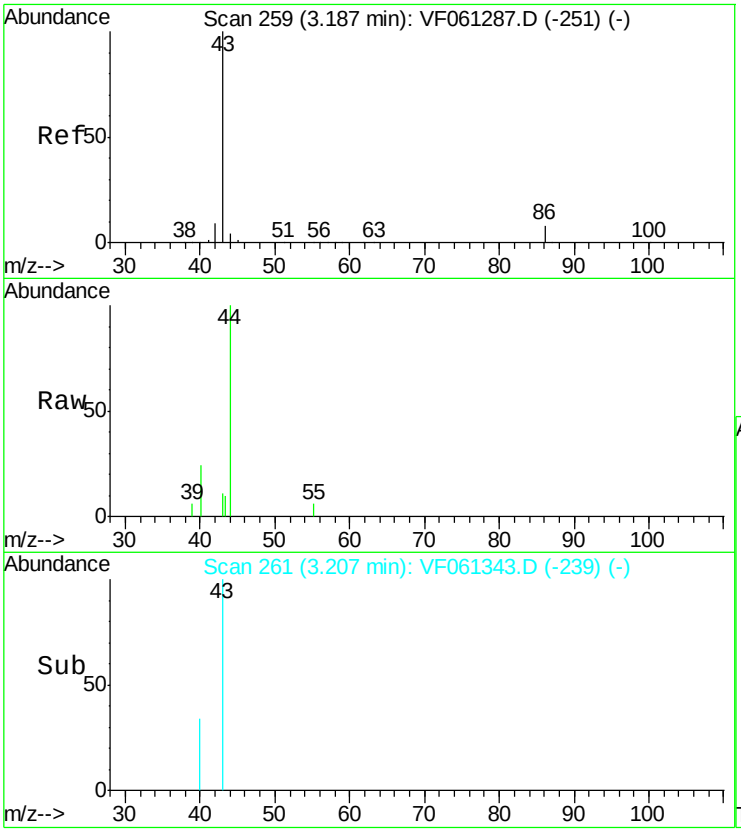


#22
Diisopropyl ether
Concen: 1.340 ug/l
RT: 2.80 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 45 Resp: 282

Ion	Ratio	Lower	Upper
45	100		
43	139.8	37.4	56.2#
87	0.0	14.2	21.2#
59	0.0	8.2	12.2#

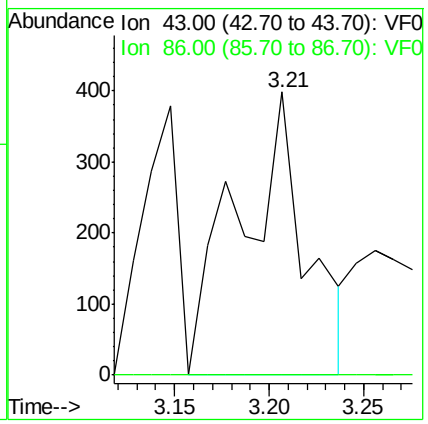


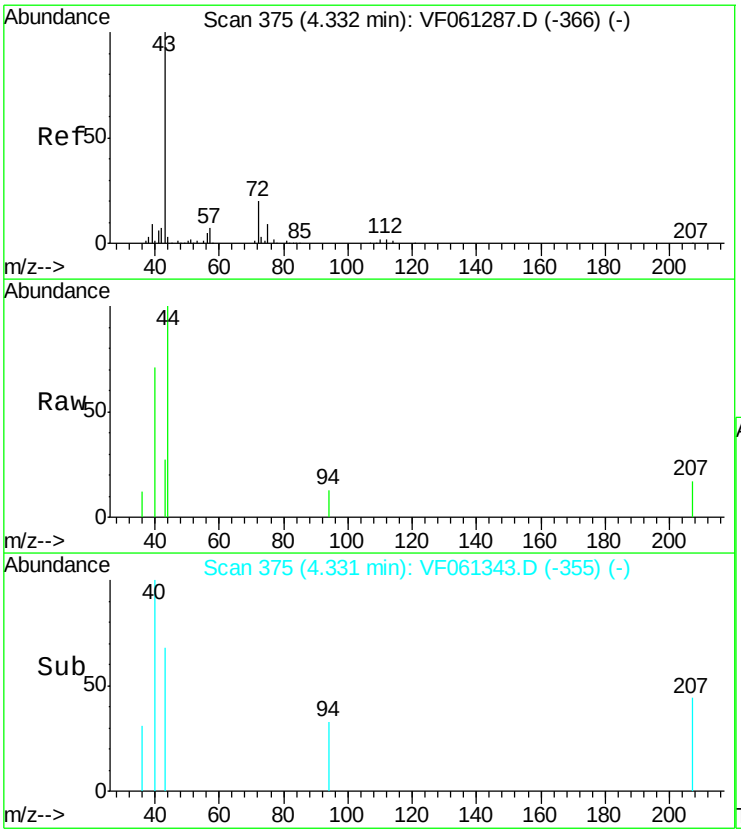


#23
Vinyl Acetate
Concen: 15.967 ug/l
RT: 3.21 min Scan# 261
Delta R.T. 0.02 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 983

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#

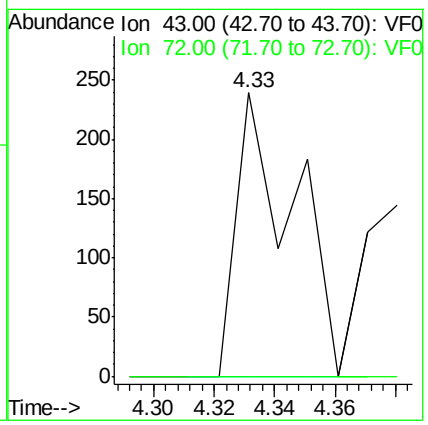


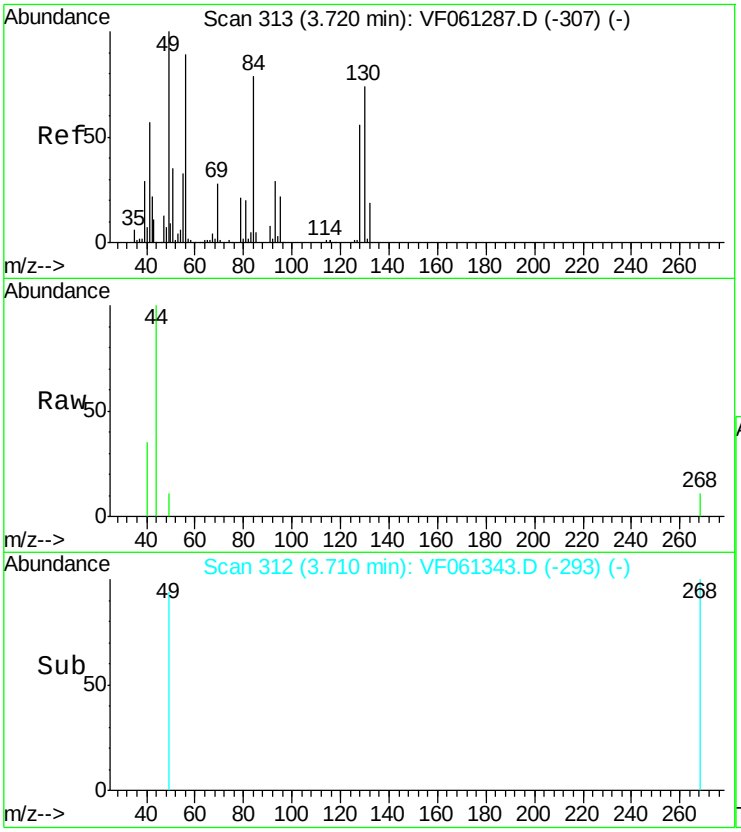


#25
2-Butanone
Concen: 13.300 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.00 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 314

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#

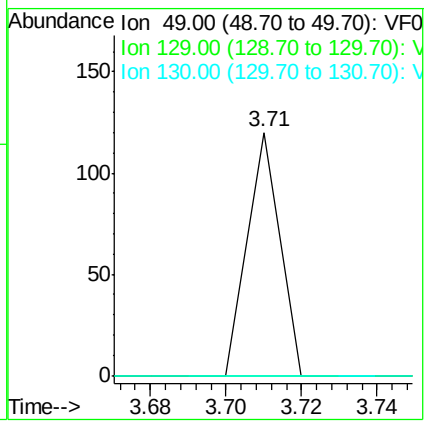


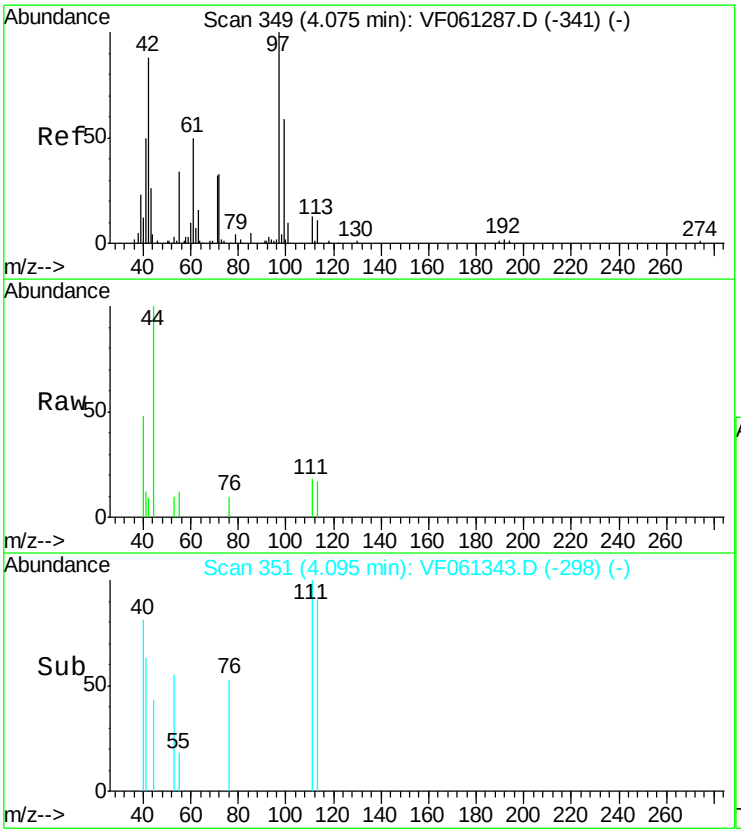


#28
Bromochloromethane
Concen: 1.322 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 49 Resp: 71

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	0.0	58.6	88.0#

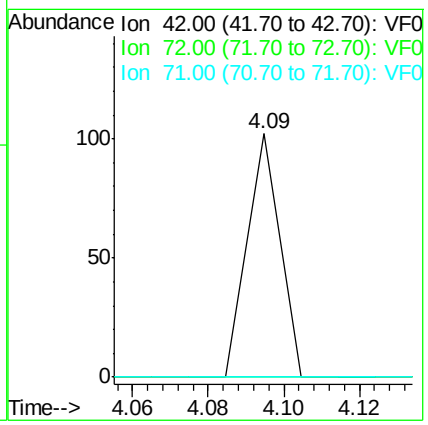


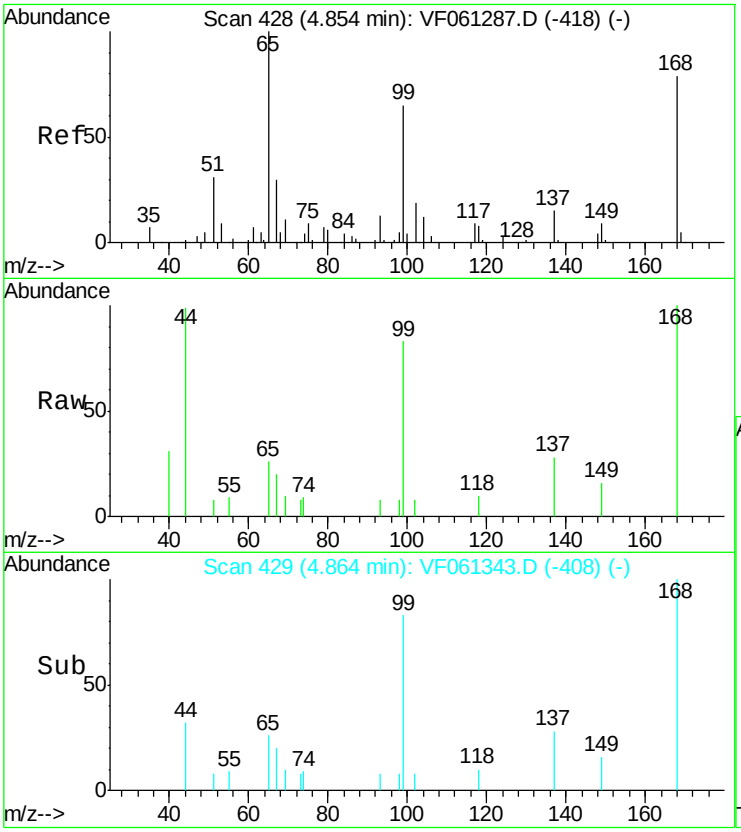


#29
Tetrahydrofuran
Concen: 6.079 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 42 Resp: 60

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

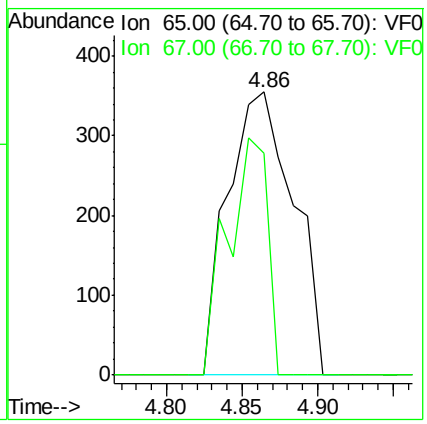


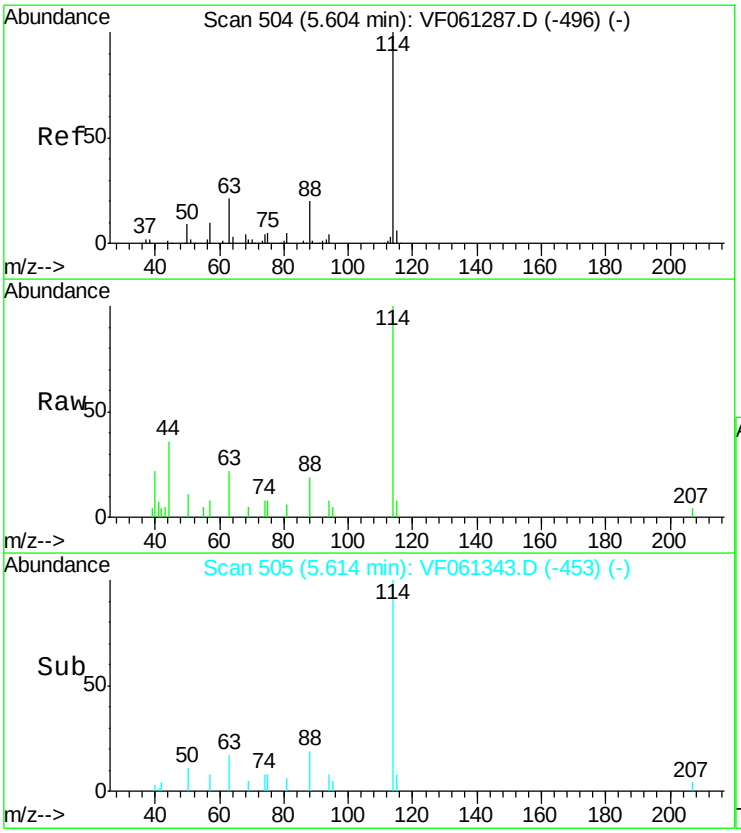


#33
1,2-Dichloroethane-d4
Concen: 17.128 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 65 Resp: 1080

Ion	Ratio	Lower	Upper
65	100		
67	78.3	0.0	98.2

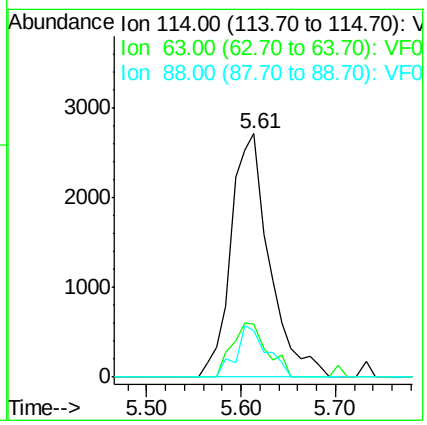


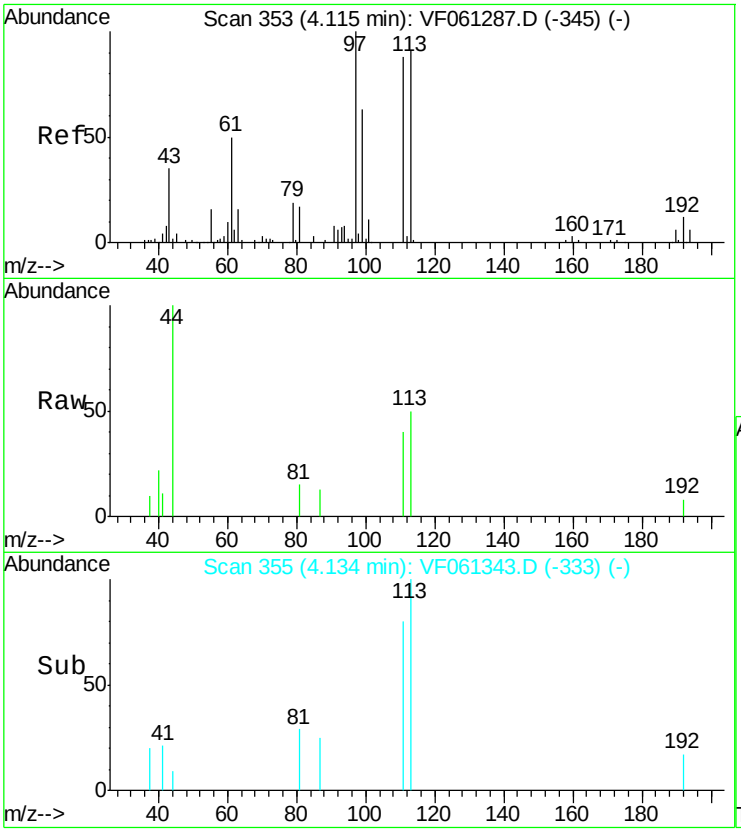


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:114 Resp: 7639

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.8
88	19.2	0.0	40.0

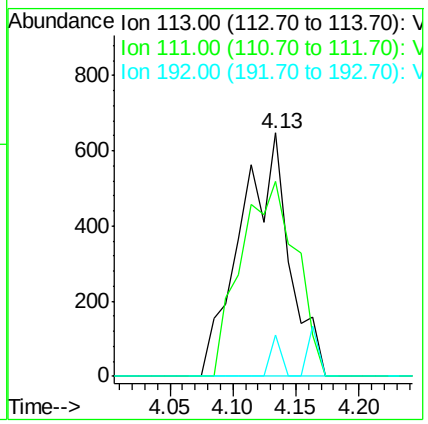


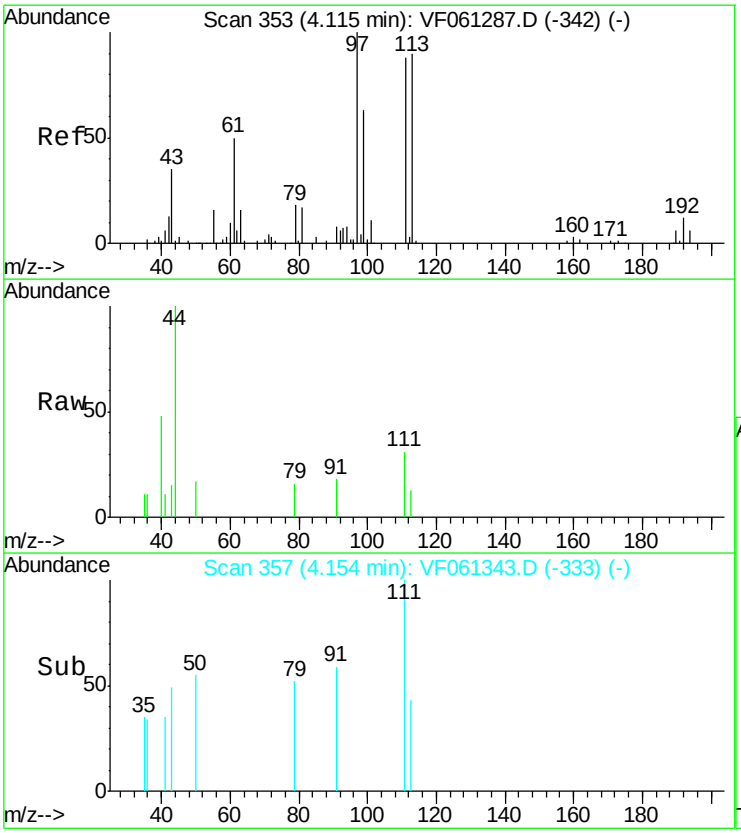


#35
Dibromofluoromethane
Concen: 29.751 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:113 Resp: 1739

Ion	Ratio	Lower	Upper
113	100		
111	79.9	78.0	117.0
192	16.8	10.6	16.0#

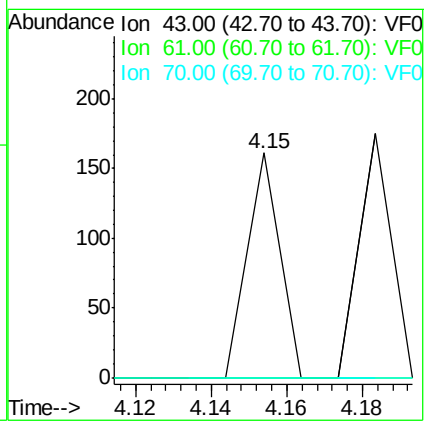


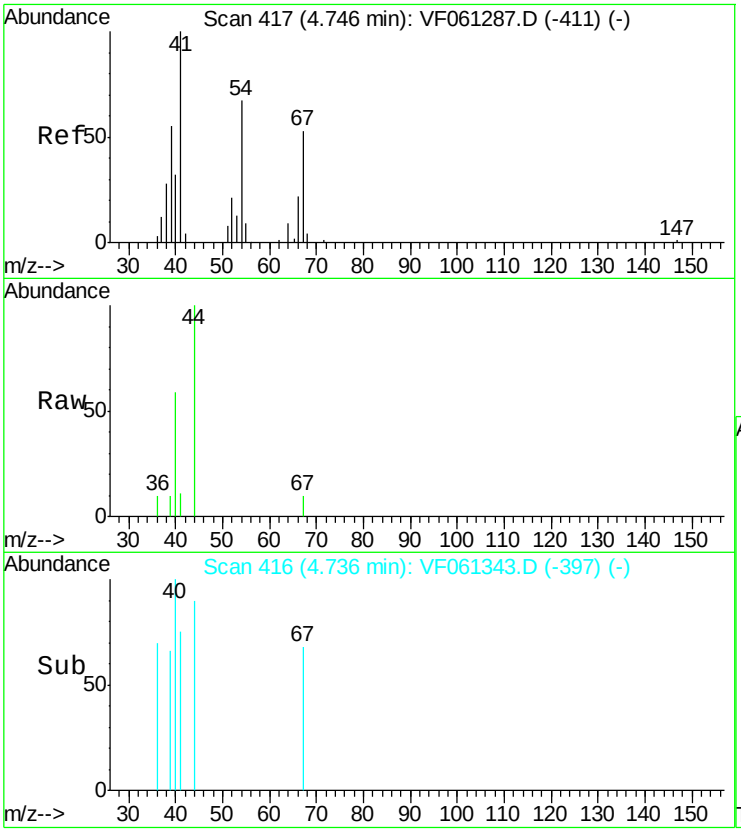


#37
Ethyl Acetate
Concen: 2.924 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.04 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 95

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

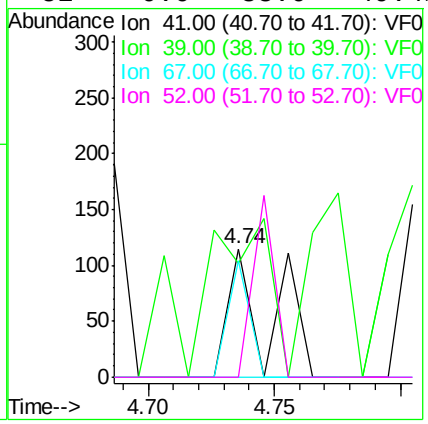


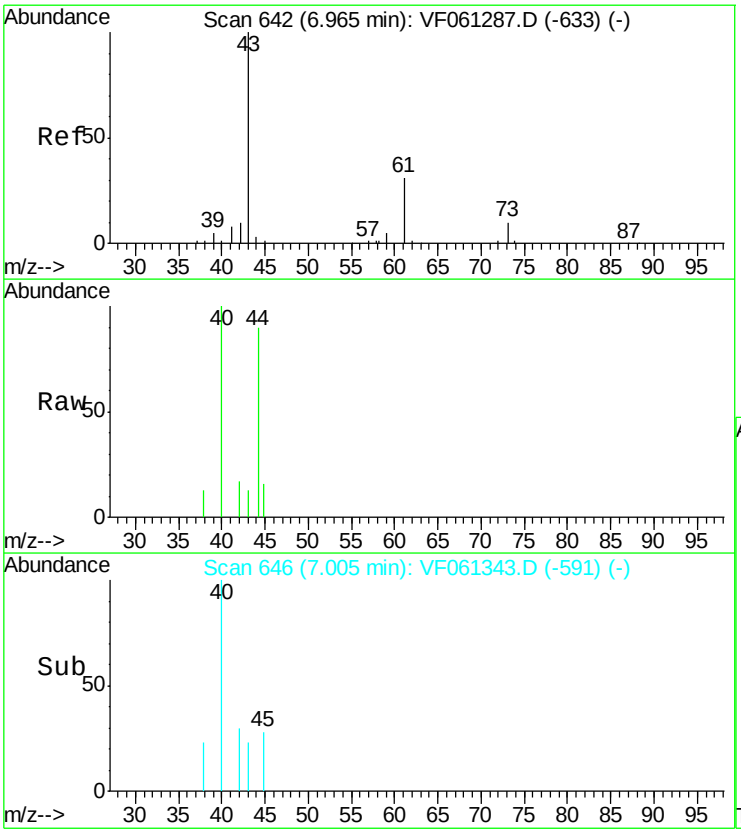


#41
Methacrylonitrile
Concen: 7.387 ug/l
RT: 4.74 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 41 Resp: 134

Ion	Ratio	Lower	Upper
41	100		
39	88.7	52.7	79.1#
67	90.4	41.4	62.2#
52	0.0	33.0	49.4#

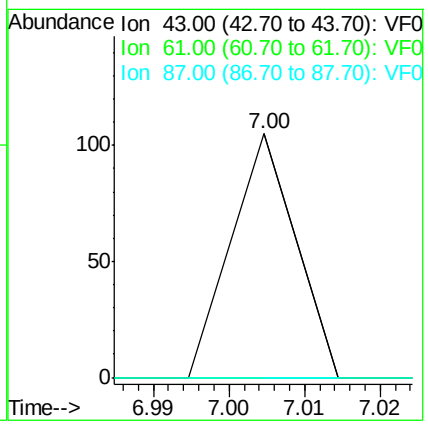


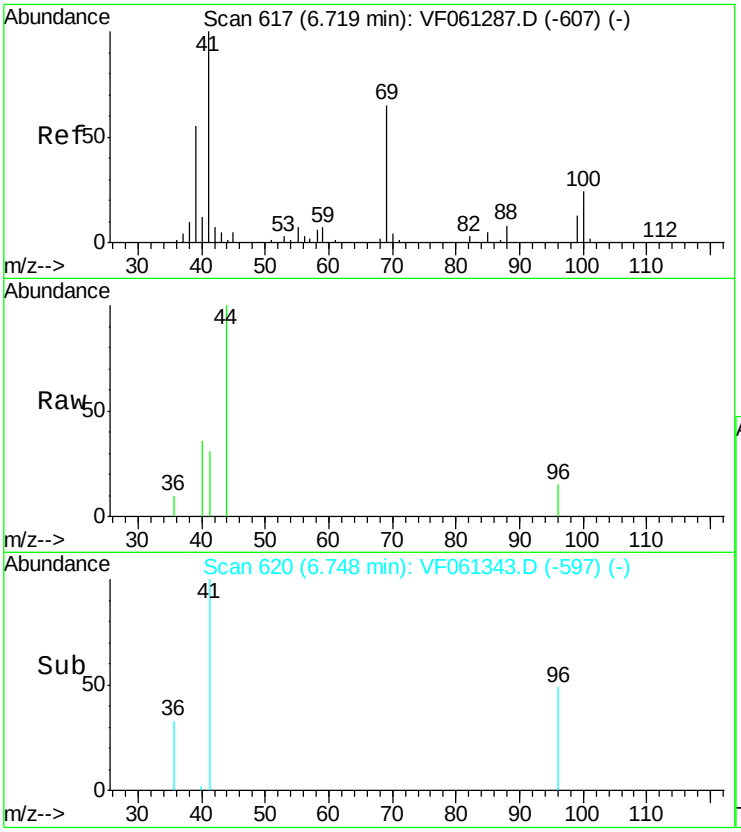


#43
Isopropyl Acetate
Concen: 1.446 ug/l
RT: 7.00 min Scan# 646
Delta R.T. 0.04 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 62

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

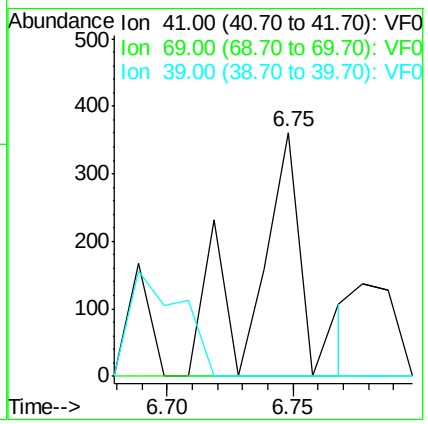


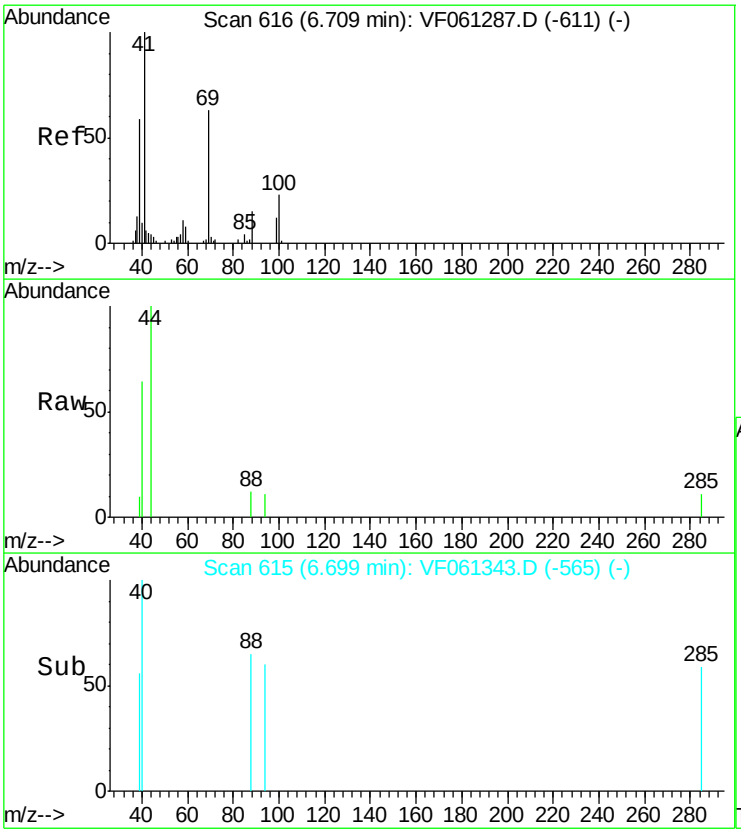


#48
Methyl methacrylate
Concen: 18.212 ug/l
RT: 6.75 min Scan# 620
Delta R.T. 0.03 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 41 Resp: 507

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

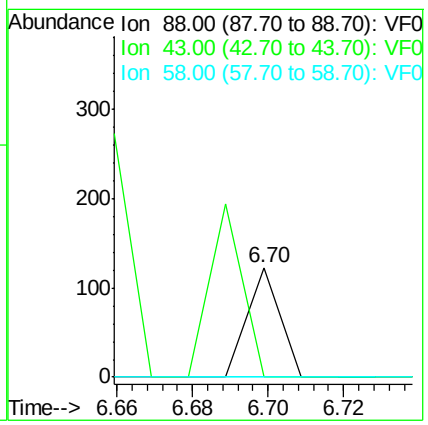


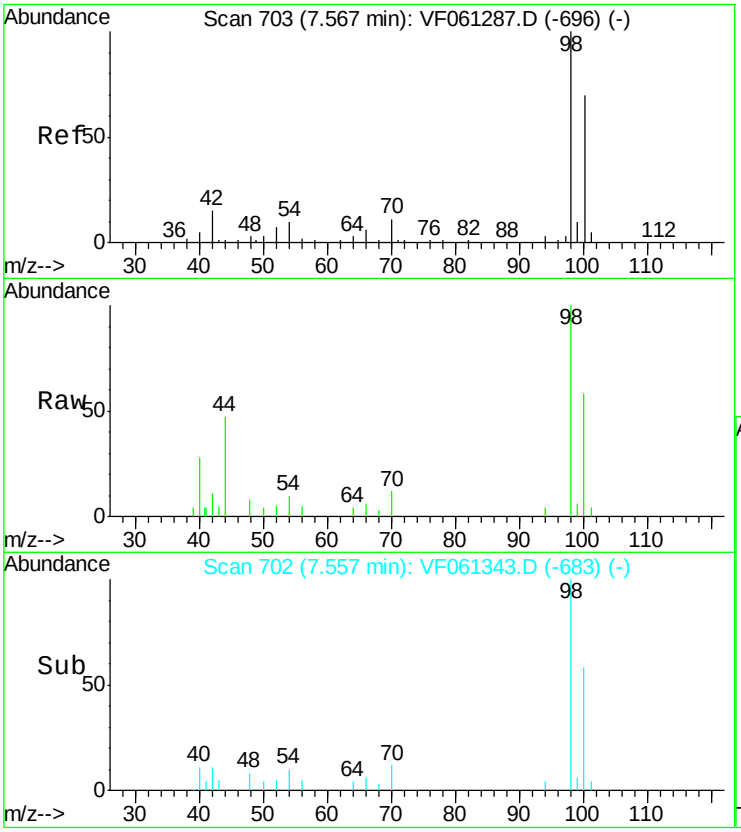


#49
1,4-Dioxane
Concen: 415.585 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 88 Resp: 73

Ion	Ratio	Lower	Upper
88	100		
43	0.0	38.5	57.7#
58	0.0	57.0	85.4#

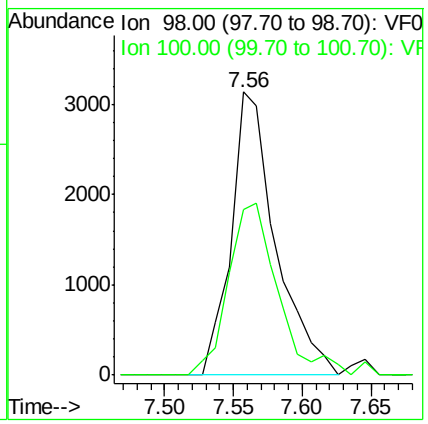


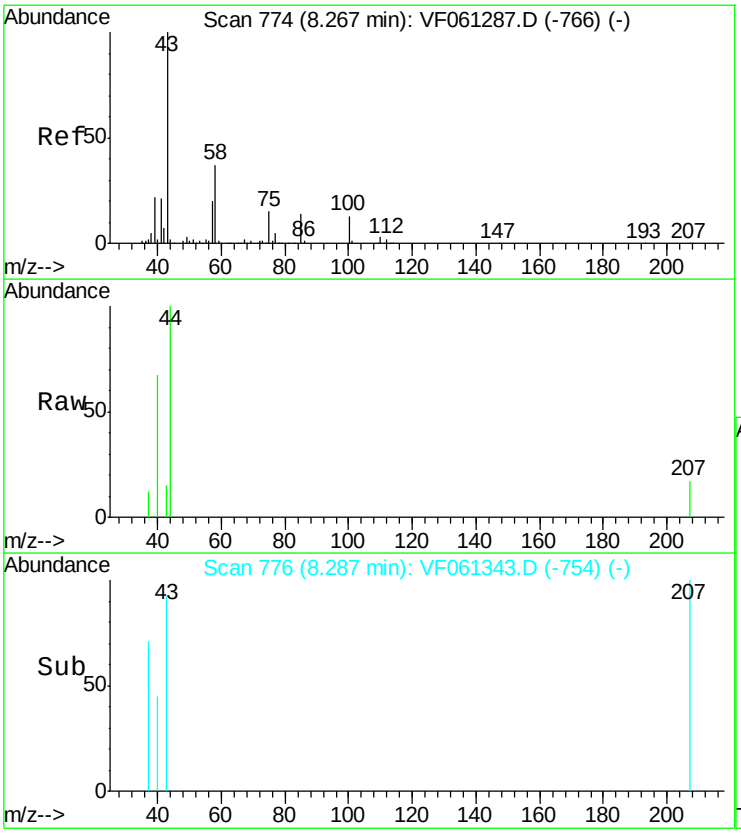


#50
Toluene-d8
Concen: 40.770 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 98 Resp: 7052

Ion	Ratio	Lower	Upper
98	100		
100	58.4	55.6	83.4

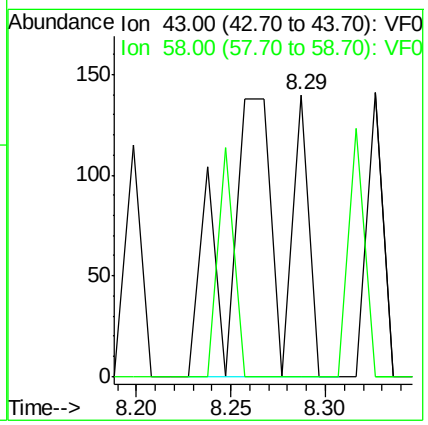


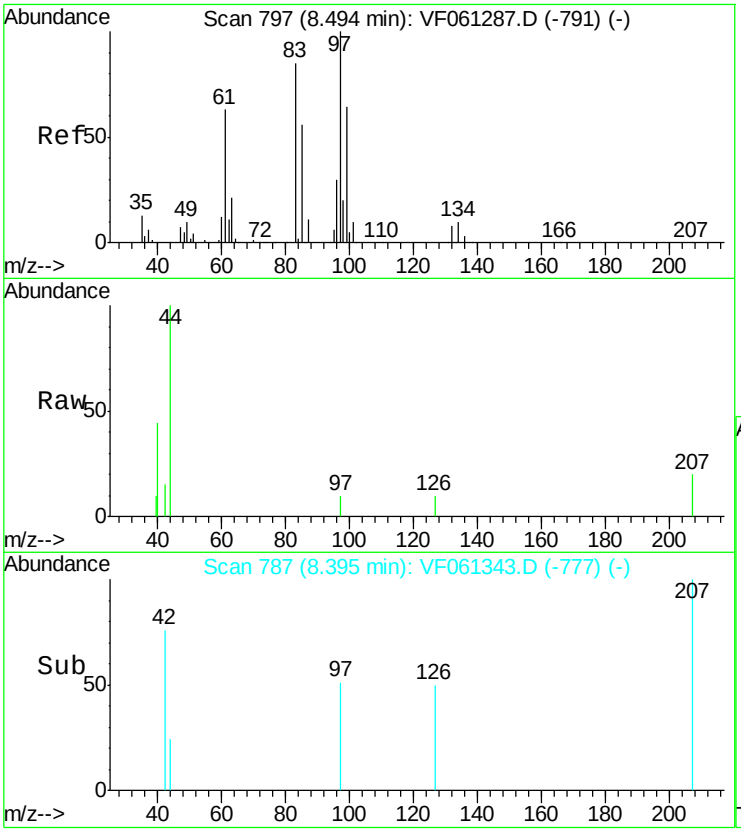


#51
4-Methyl-2-Pentanone
Concen: 9.514 ug/l
RT: 8.29 min Scan# 776
Delta R.T. 0.02 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 308

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.6	44.4#

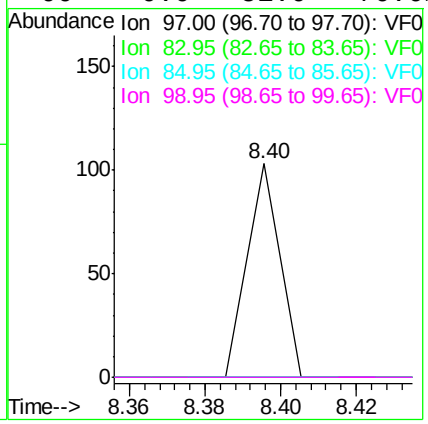


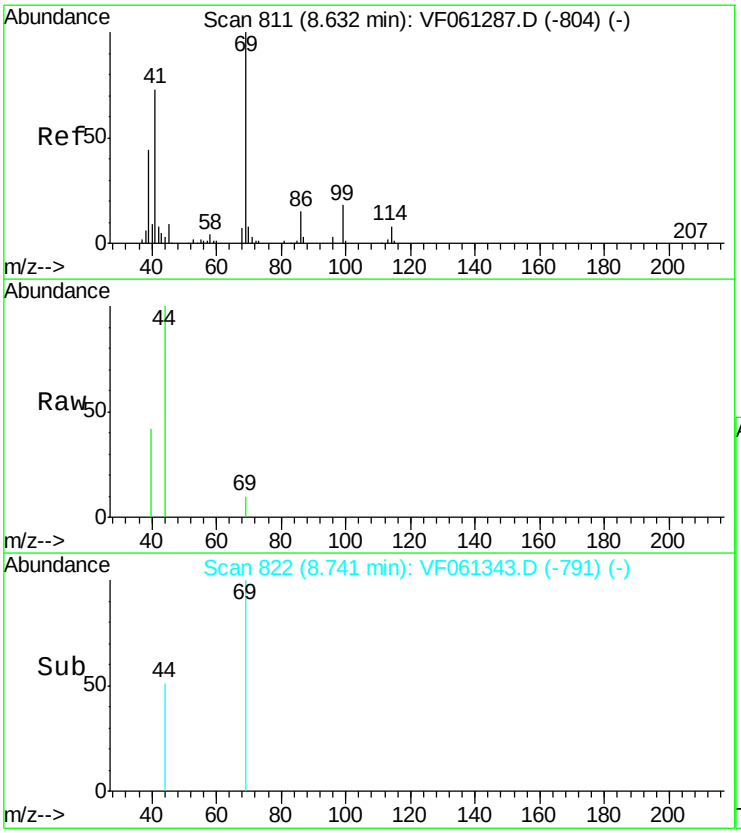


#55
1,1,2-Trichloroethane
Concen: 1.628 ug/l
RT: 8.40 min Scan# 787
Delta R.T. -0.10 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 97 Resp: 61

Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.8	101.6#
85	0.0	45.1	67.7#
99	0.0	51.0	76.6#

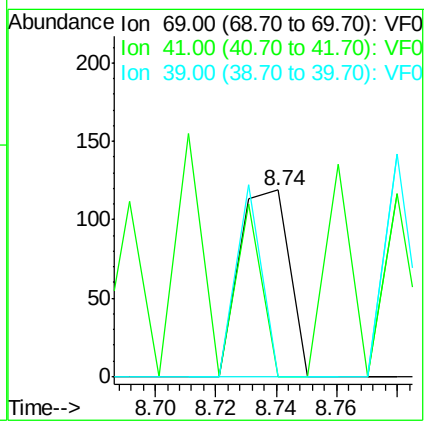


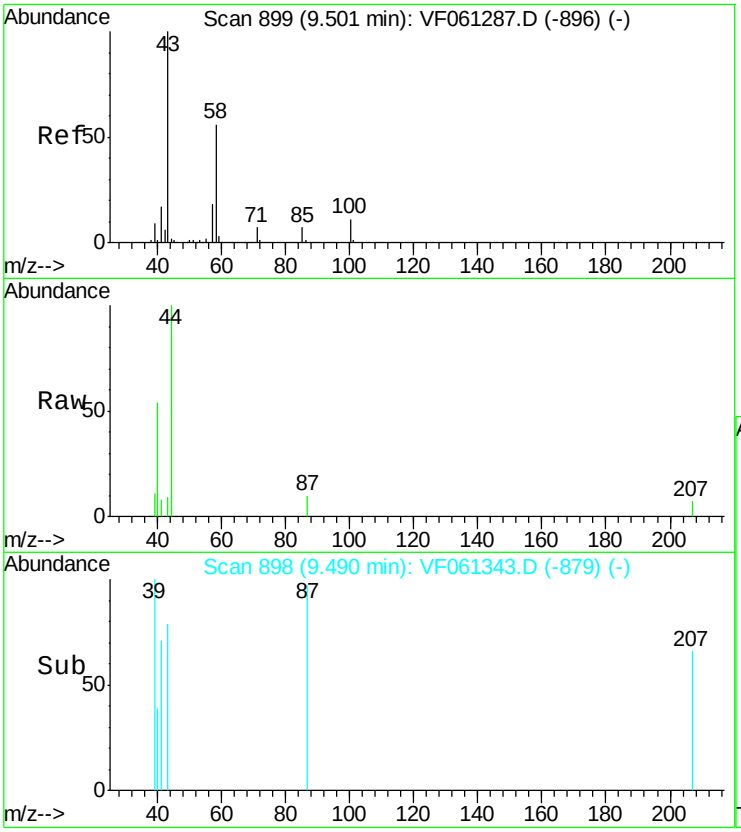


#56
Ethyl methacrylate
Concen: 3.272 ug/l
RT: 8.74 min Scan# 822
Delta R.T. 0.11 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 69 Resp: 137

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

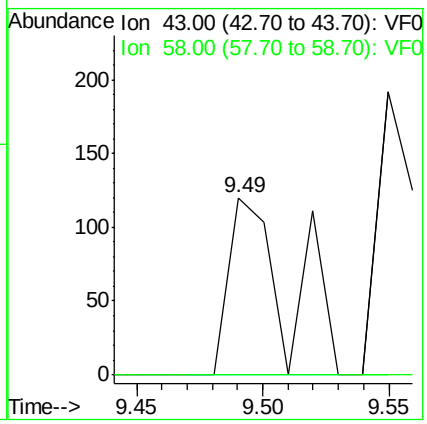


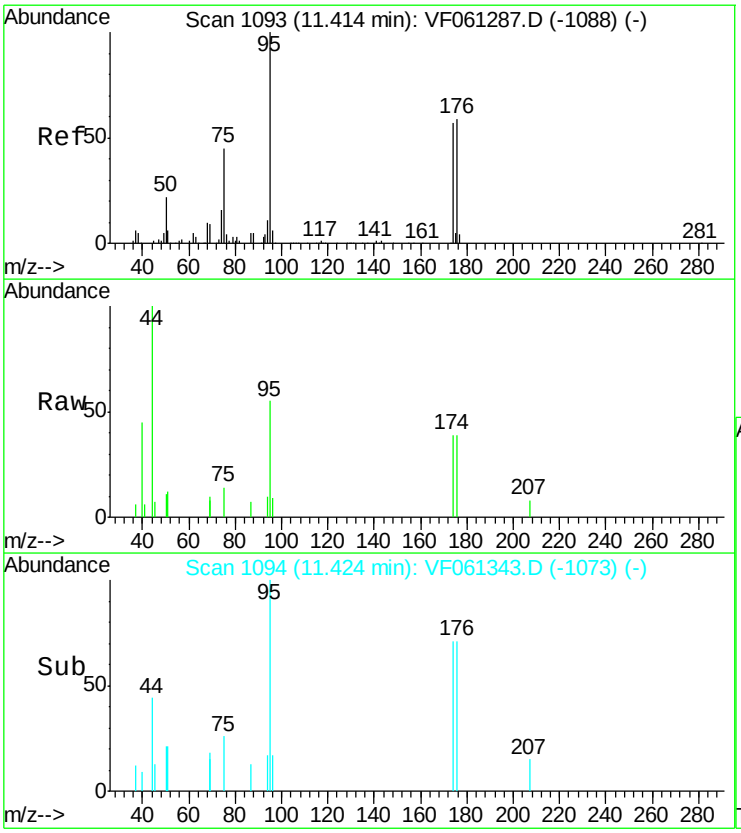


#59
2-Hexanone
Concen: 8.634 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 198

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.6	76.8#

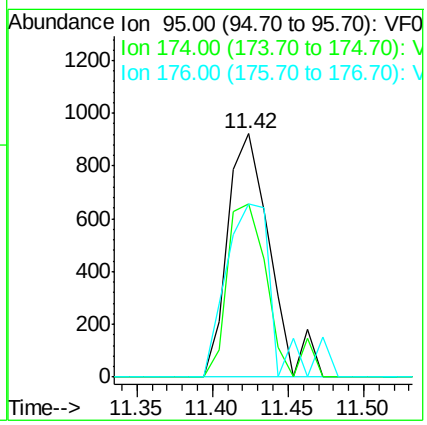


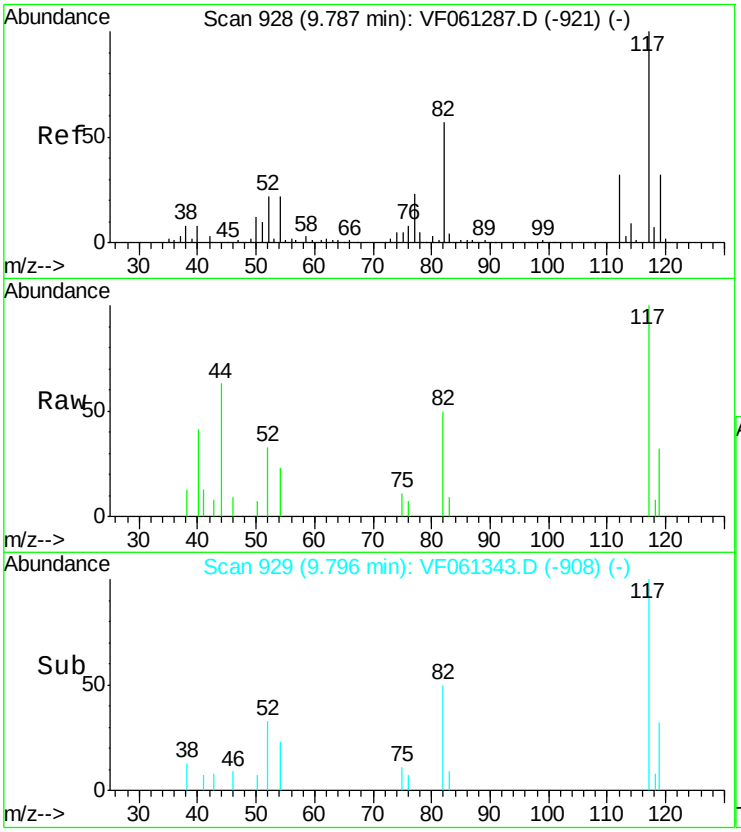


#62
4-Bromofluorobenzene
Concen: 23.832 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 95 Resp: 1800

Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	114.2
176	70.9	0.0	117.8

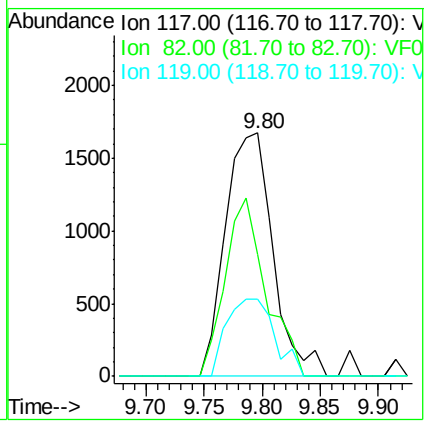


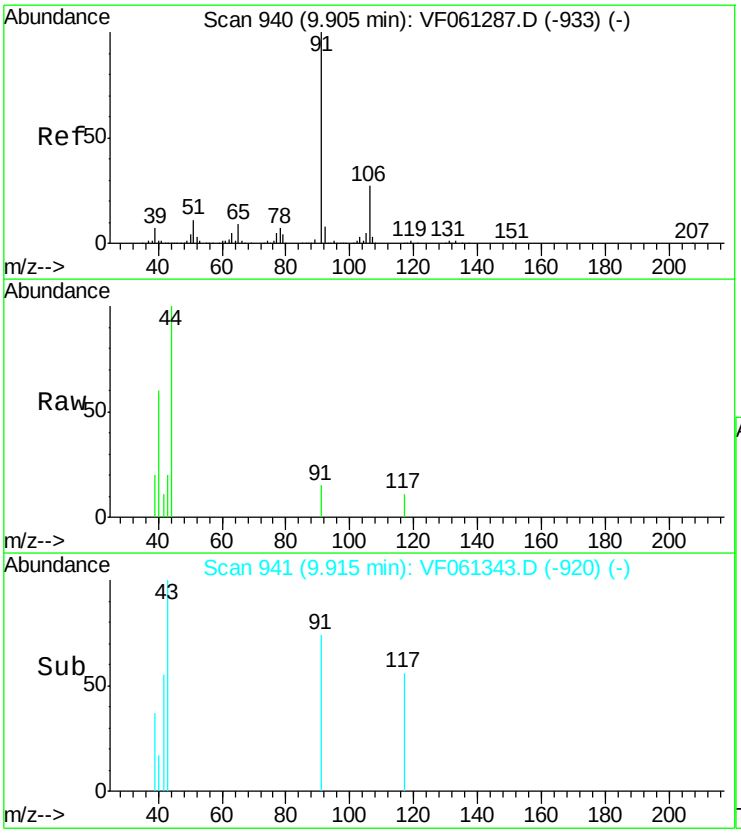


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:117 Resp: 4751

Ion	Ratio	Lower	Upper
117	100		
82	50.2	45.3	67.9
119	31.8	25.4	38.0

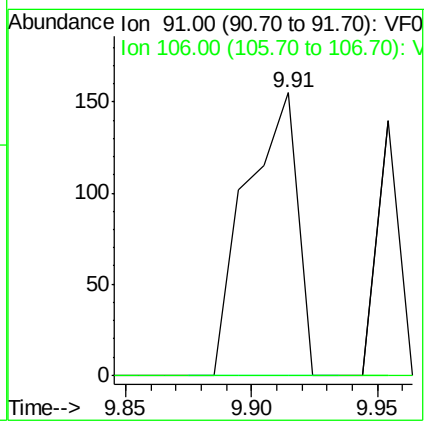


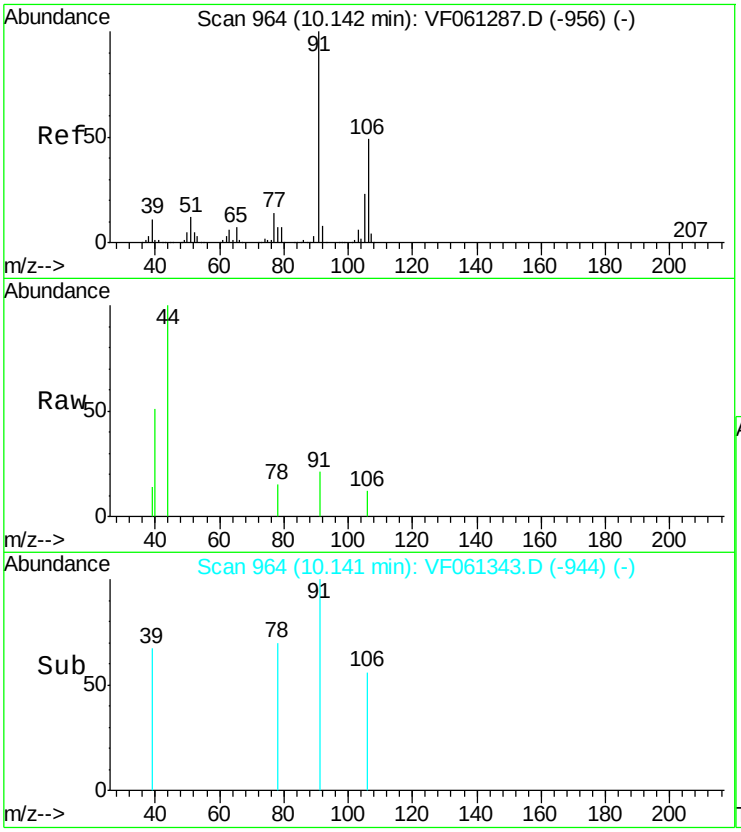


#67
Ethyl Benzene
Concen: 1.189 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 91 Resp: 220

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.4	32.2#

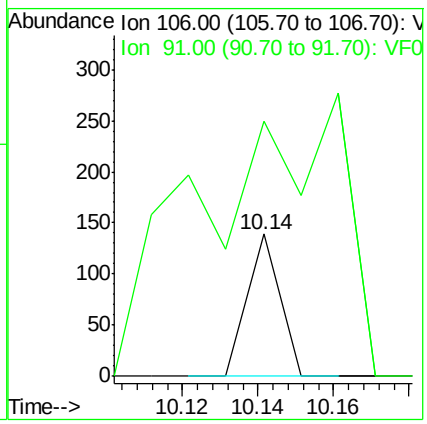


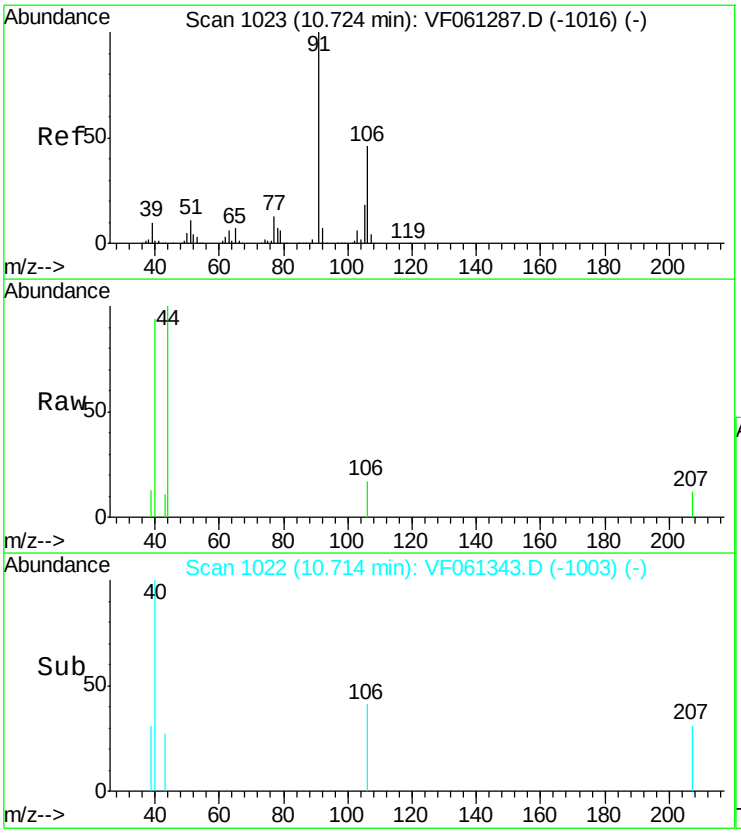


#68
m/p-Xylenes
Concen: 1.271 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:106 Resp: 82

Ion	Ratio	Lower	Upper
106	100		
91	179.9	165.0	247.6

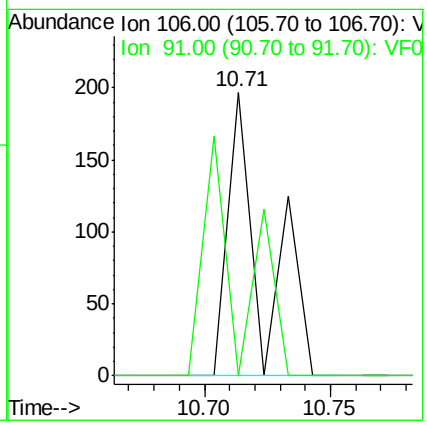


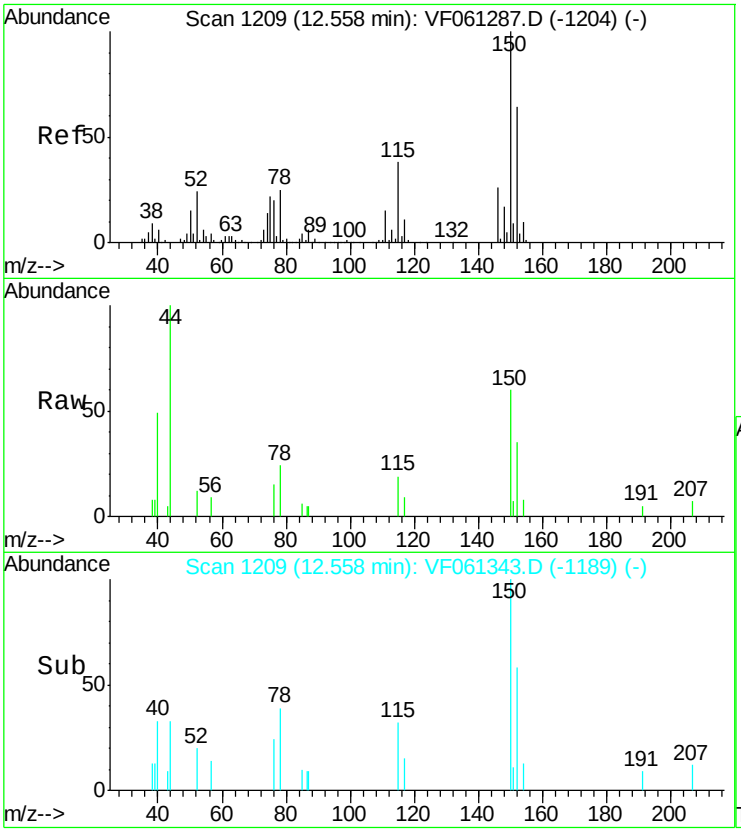


#69
o-Xylene
Concen: 2.650 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:106 Resp: 191

Ion	Ratio	Lower	Upper
106	100		
91	0.0	108.1	324.4#

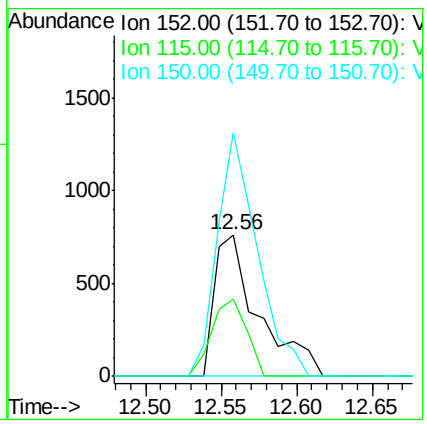


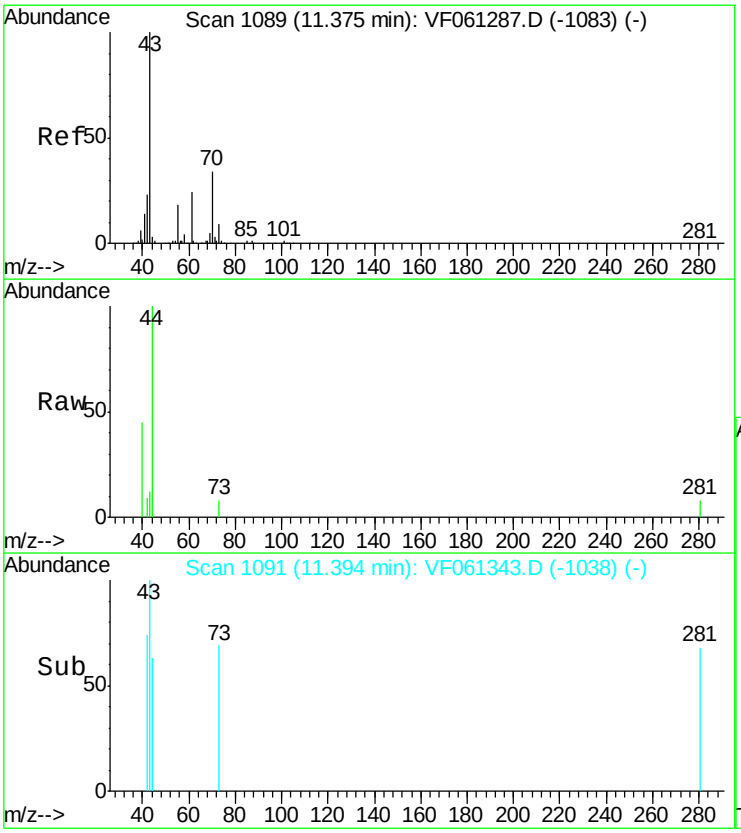


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:152 Resp: 1540

Ion	Ratio	Lower	Upper
152	100		
115	54.6	29.6	88.9
150	172.2	0.0	315.4

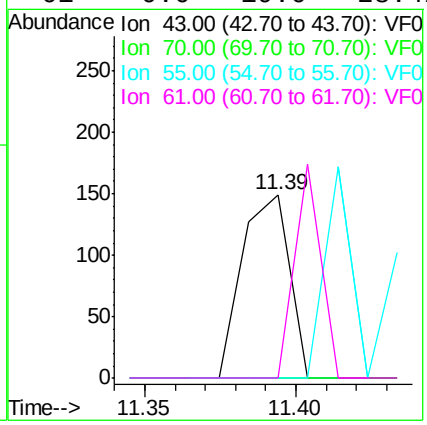


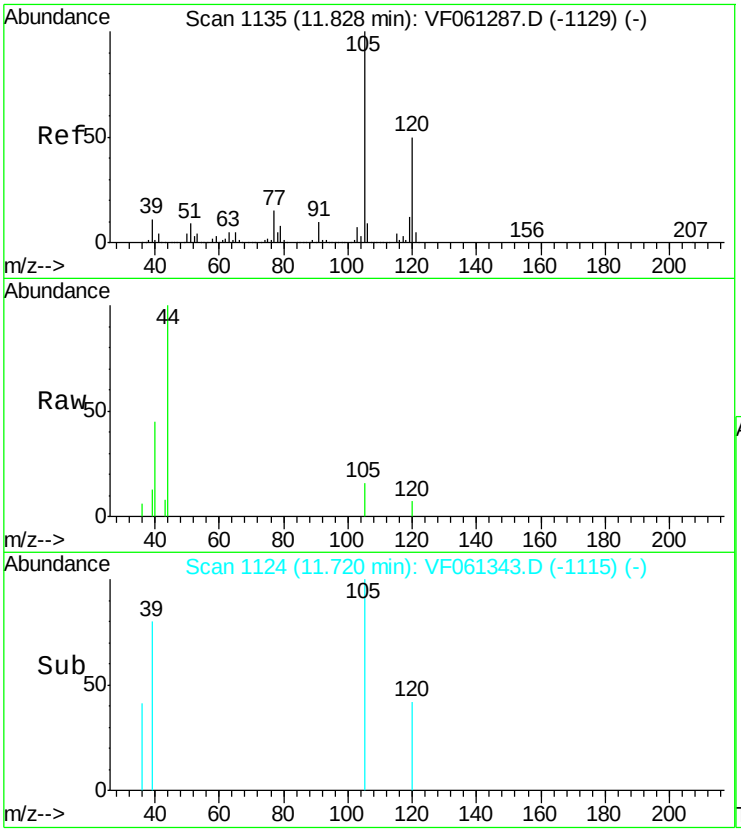


#74
N-amyl acetate
Concen: 5.291 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion: 43 Resp: 163

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#

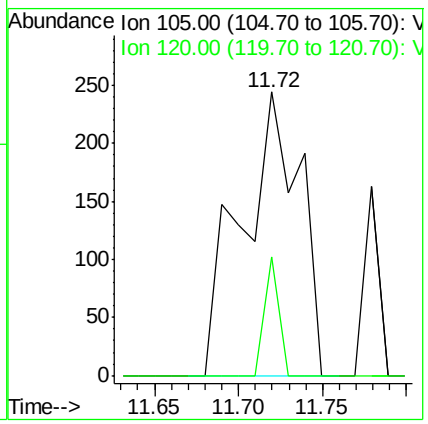


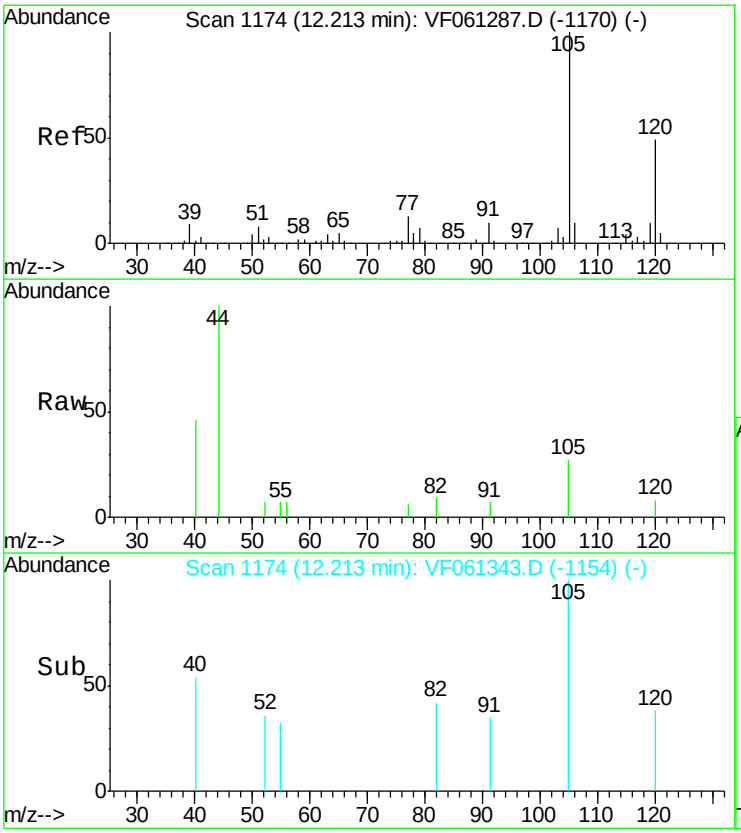


#80
1,3,5-Trimethylbenzene
Concen: 5.407 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. -0.11 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:105 Resp: 583

Ion	Ratio	Lower	Upper
105	100		
120	41.8	25.2	75.6

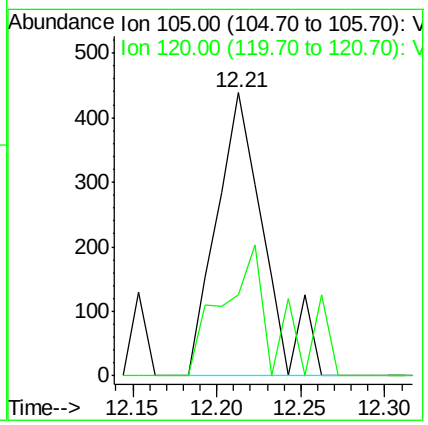


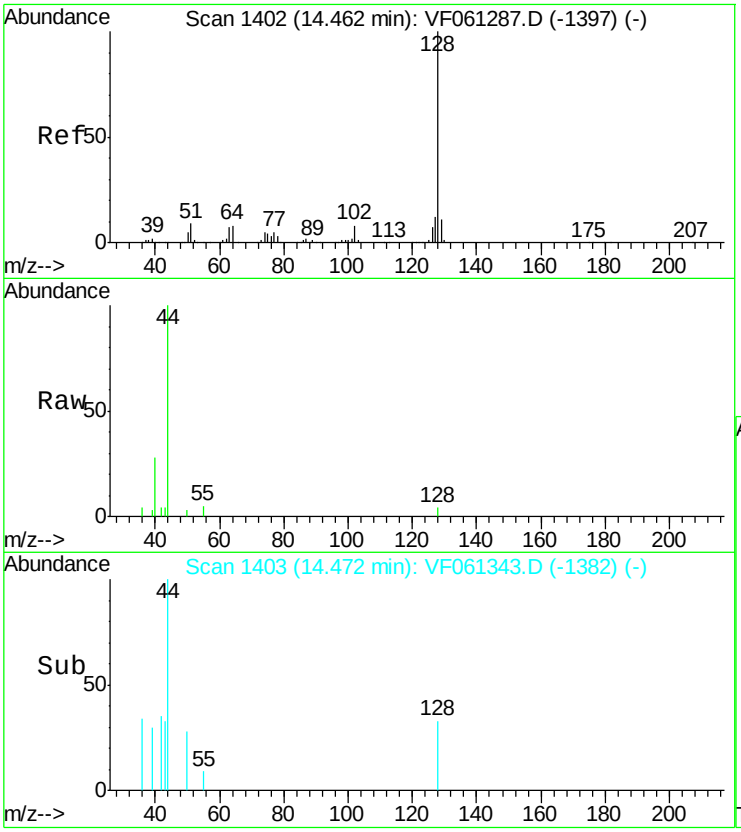


#84
1,2,4-Trimethylbenzene
Concen: 8.015 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:105 Resp: 858

Ion	Ratio	Lower	Upper
105	100		
120	28.5	24.7	74.1





#95
Naphthalene
Concen: 1.074 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF061343.D
Acq: 10 Jan 2019 14:50

Tgt Ion:128 Resp: 70

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.4	14.0#
129	0.0	8.8	13.2#