Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
Data File : VF062353.D
Acq On : 7 May 2019 13:13
Operator : FY/SY
Sample : K2667-01
Misc : 4.91g/5mL/MSVOA_F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SP-1-A

Quant Time: May 07 13:39:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	357557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	481360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	382221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	191761	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	136685	40.45	ug/l	0.00
Spiked Amount 50.000			Recovery = 80.90%			
35) Dibromofluoromethane	4.29	113	167324	43.63	ug/l	0.00
Spiked Amount 50.000			Recovery = 87.26%			
50) Toluene-d8	7.71	98	343564	37.01	ug/l	0.00
Spiked Amount 50.000			Recovery = 74.02%			
62) 4-Bromofluorobenzene	11.49	95	147463	35.21	ug/l	0.00
Spiked Amount 50.000			Recovery = 70.42%			
Target Compounds						Qvalue
5) Bromomethane	1.42	94	889	Below Cal	#	11
8) Diethyl Ether	1.70	74	1975	2.311	ug/l	60
11) Tert butyl alcohol	2.69	59	1543	8.080	ug/l #	72
13) Acrolein	2.07	56	279	Below Cal	#	1
15) Acrylonitrile	3.10	53	1231	3.403	ug/l #	42
16) Acetone	2.33	43	11681	17.088	ug/l	97
18) Methyl Acetate	2.49	43	7492	3.070	ug/l #	62
20) Methylene Chloride	2.32	84	11428	4.621	ug/l #	85
25) 2-Butanone	4.50	43	2610	3.039	ug/l #	60
29) Tetrahydrofuran	4.26	42	1072	2.716	ug/l #	53
37) Ethyl Acetate	4.28	43	354	Below Cal	#	35
38) Carbon Tetrachloride	4.22	117	146	Below Cal	#	14
41) Methacrylonitrile	4.90	41	994	1.003	ug/l #	36
43) Isopropyl Acetate	7.11	43	2358	1.254	ug/l #	75
49) 1,4-Dioxane	6.86	88	93	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.40	43	7358	5.163	ug/l	91
52) Toluene	7.77	92	6782	1.207	ug/l	94
59) 2-Hexanone	9.62	43	9704	9.845	ug/l	84
74) N-amyl acetate	11.44	43	8279	3.392	ug/l #	94
81) trans-1,4-Dichloro-2-buten	11.93	75	756	1.481	ug/l #	22
95) Naphthalene	14.49	128	16291	2.291	ug/l	96

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

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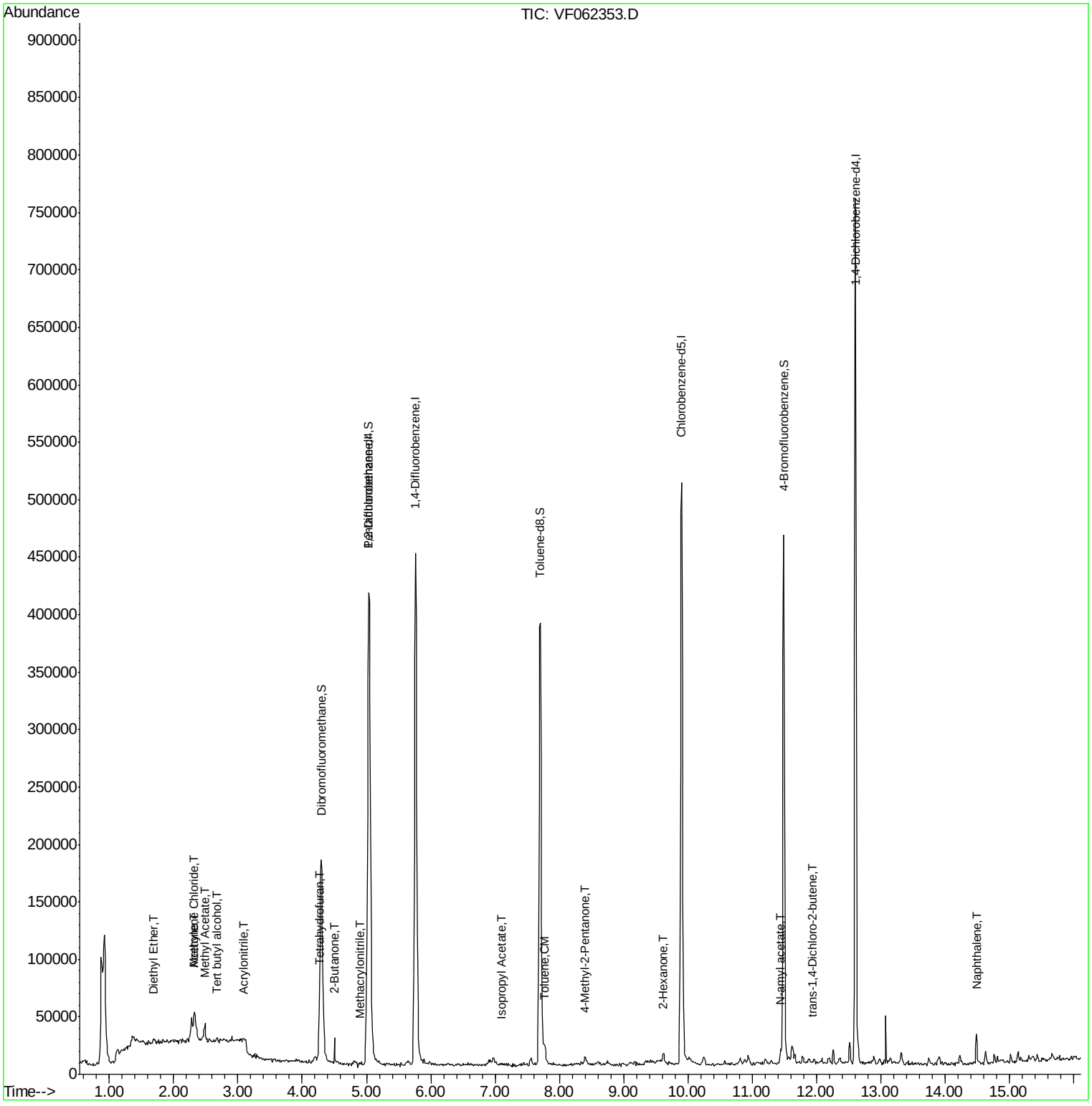
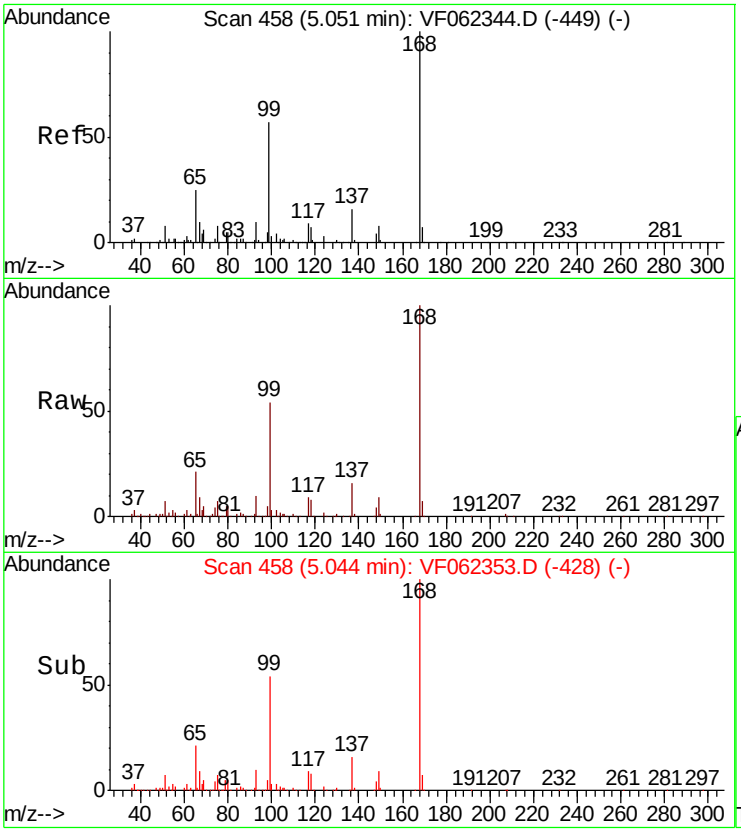


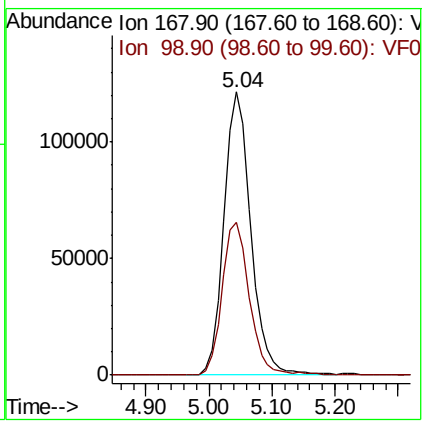


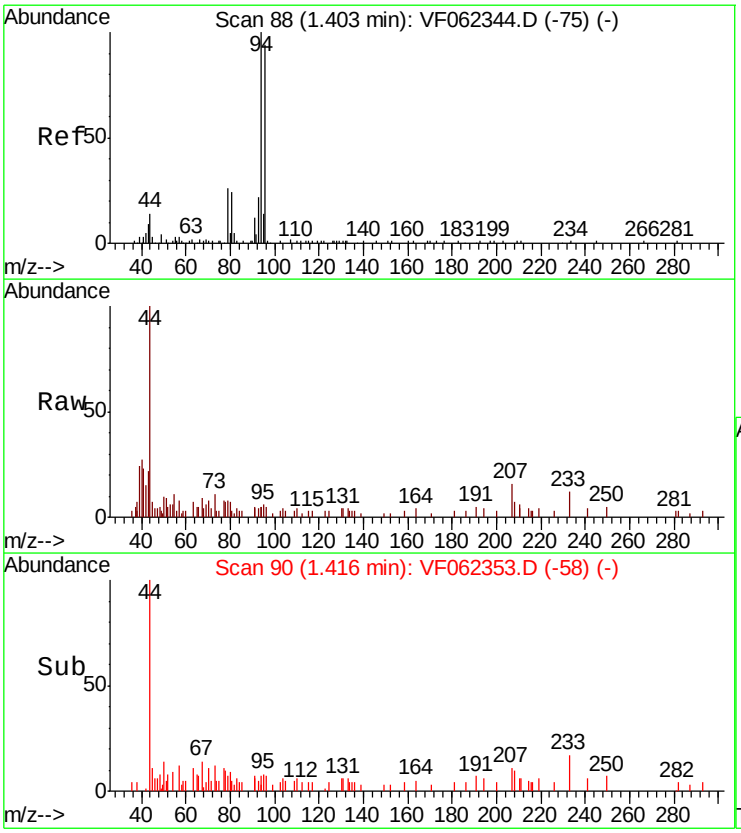
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 458
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion:168 Resp: 357557

Ion	Ratio	Lower	Upper
168	100		
99	54.0	45.9	68.9

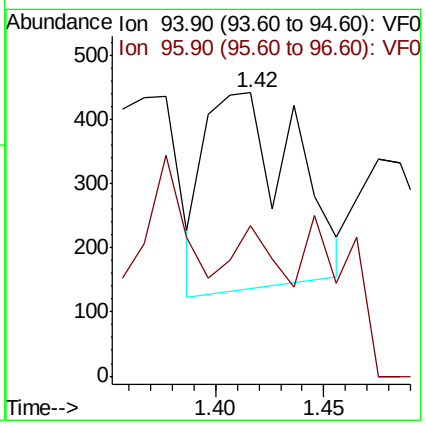


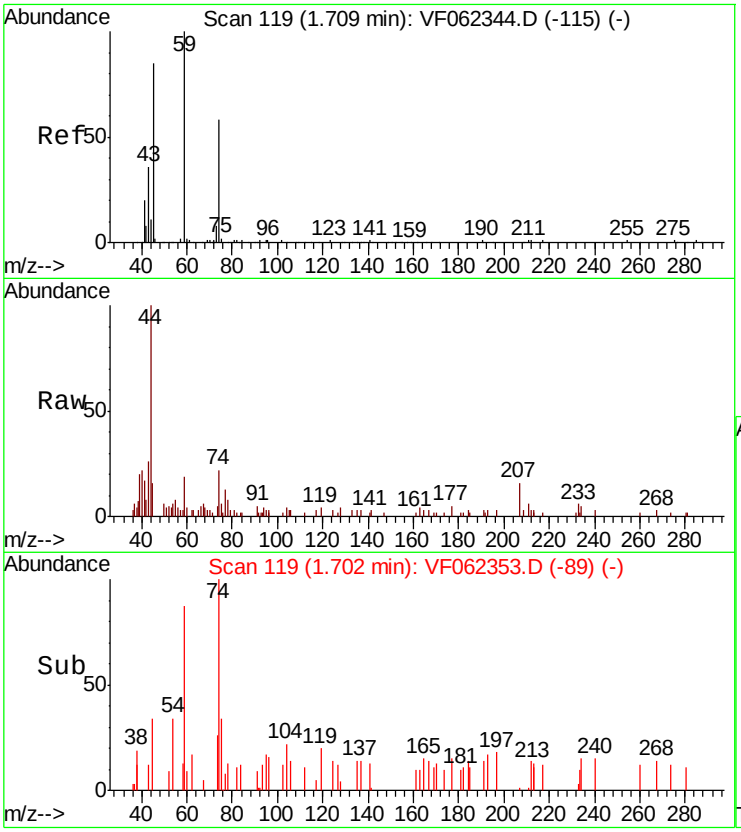


#5
Bromomethane
Concen: Below Cal
RT: 1.42 min Scan# 90
Delta R.T. 0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 94 Resp: 889

Ion	Ratio	Lower	Upper
94	100		
96	8.4	75.4	113.2#



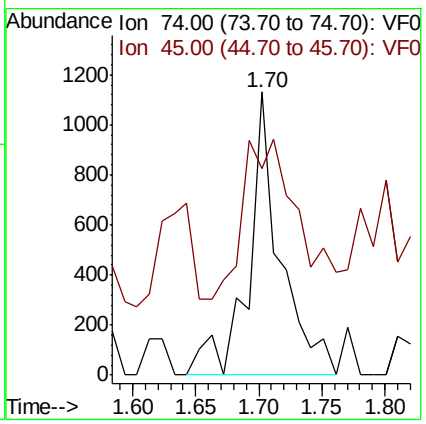


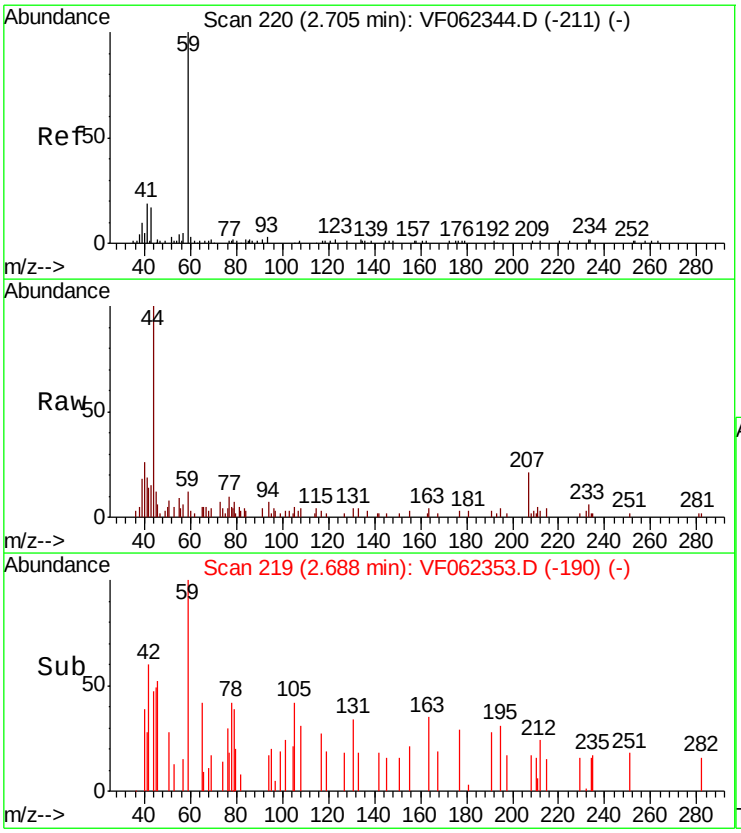
#8
Diethyl Ether
Concen: 2.311 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 74 Resp: 1975

Ion	Ratio	Lower	Upper
74	100		
45	97.1	73.9	221.6

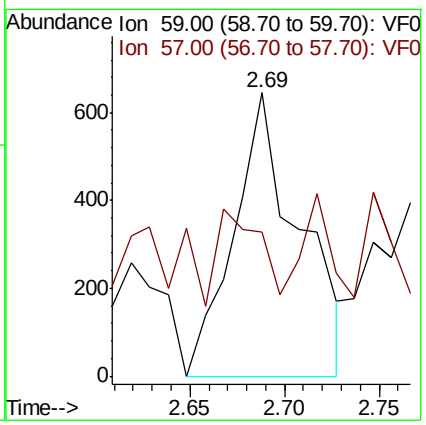


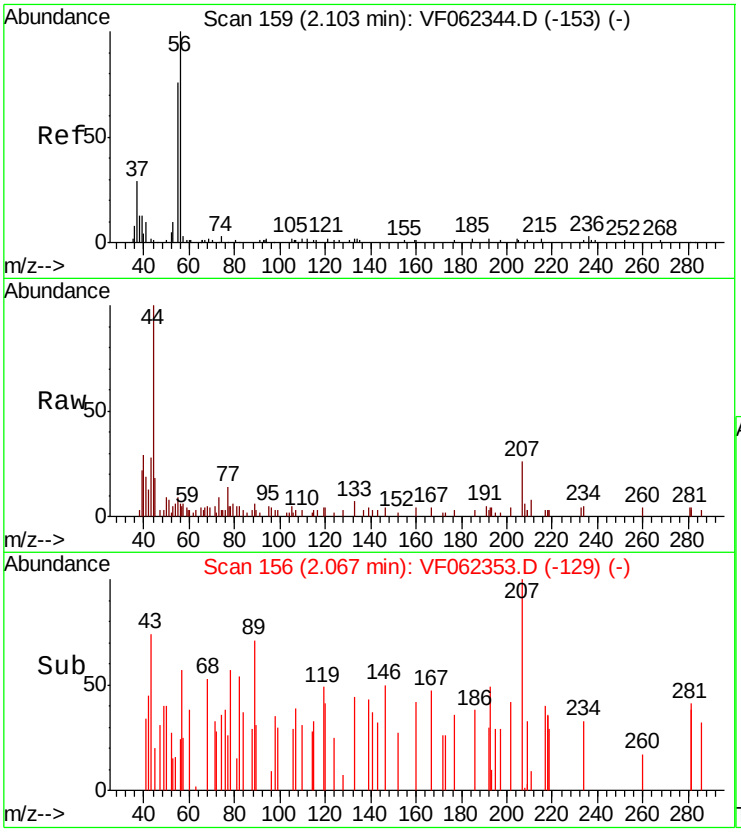


#11
Tert butyl alcohol
Concen: 8.080 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 59 Resp: 1543

Ion	Ratio	Lower	Upper
59	100		
57	22.4	9.3	13.9#



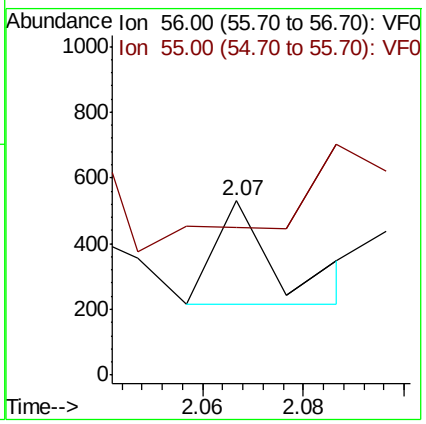


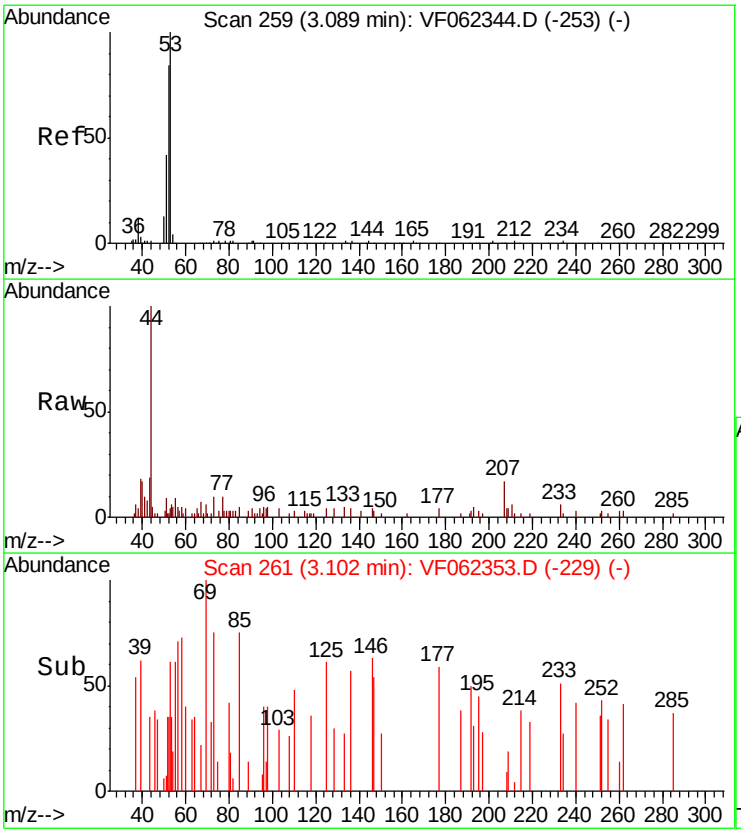
#13
Acrolein
Concen: Below Cal
RT: 2.07 min Scan# 156
Delta R.T. -0.04 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 56 Resp: 279

Ion	Ratio	Lower	Upper
56	100		
55	190.0	58.4	87.6#

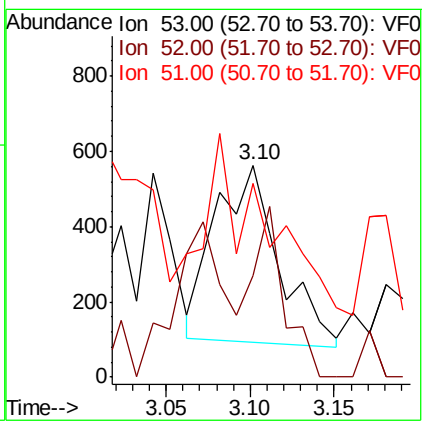


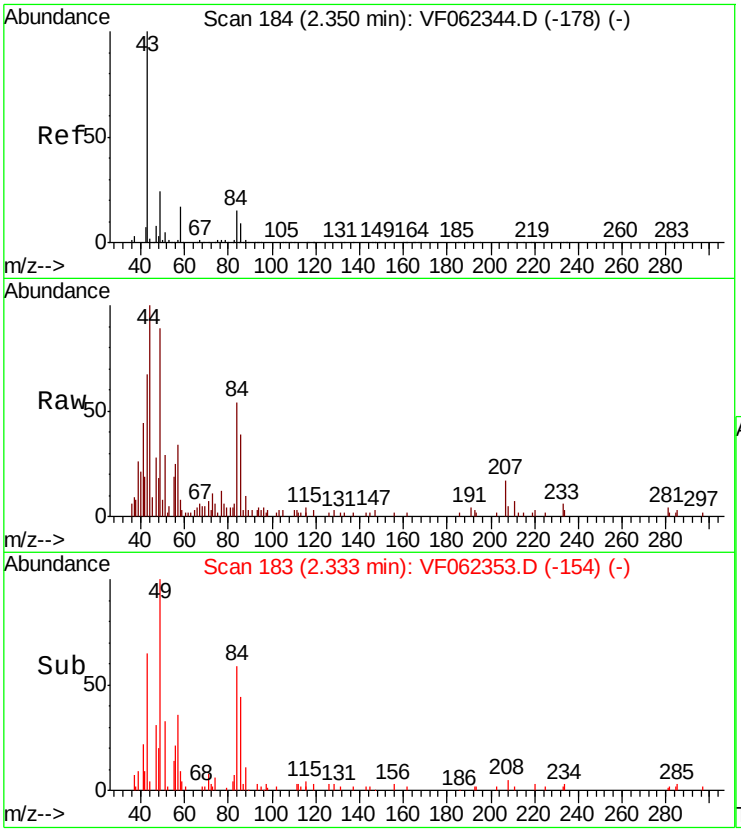


#15
Acrylonitrile
Concen: 3.403 ug/l
RT: 3.10 min Scan# 261
Delta R.T. 0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 53 Resp: 1231

Ion	Ratio	Lower	Upper
53	100		
52	47.4	77.2	115.8#
51	0.0	40.6	61.0#



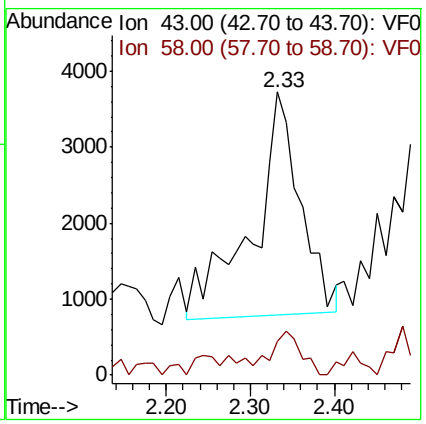


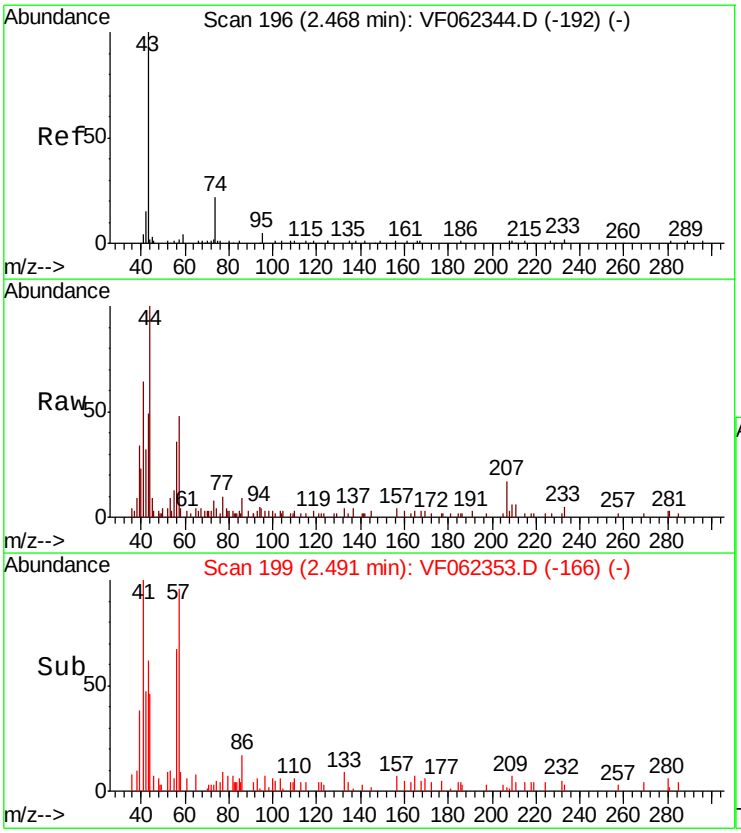
#16
Acetone
Concen: 17.088 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 43 Resp: 11681

Ion	Ratio	Lower	Upper
43	100		
58	15.2	13.1	19.7

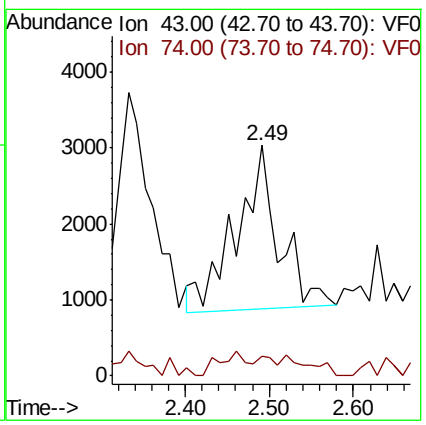


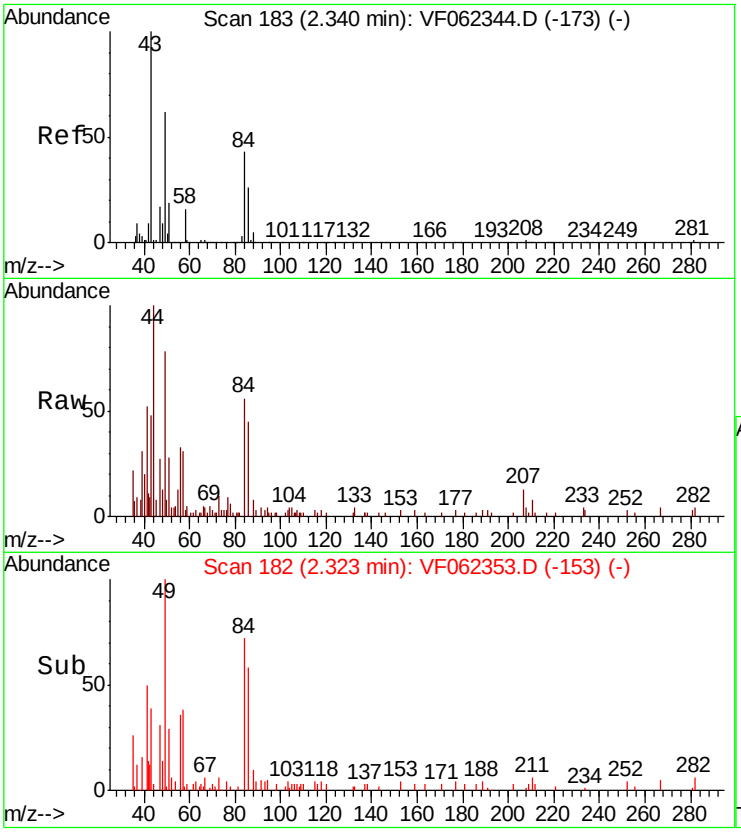


#18
Methyl Acetate
Concen: 3.070 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 43 Resp: 7492

Ion	Ratio	Lower	Upper
43	100		
74	1.8	15.0	22.4#



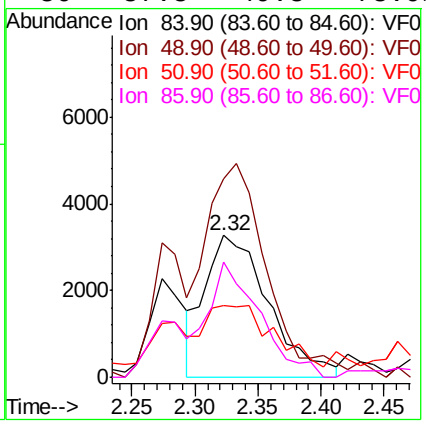


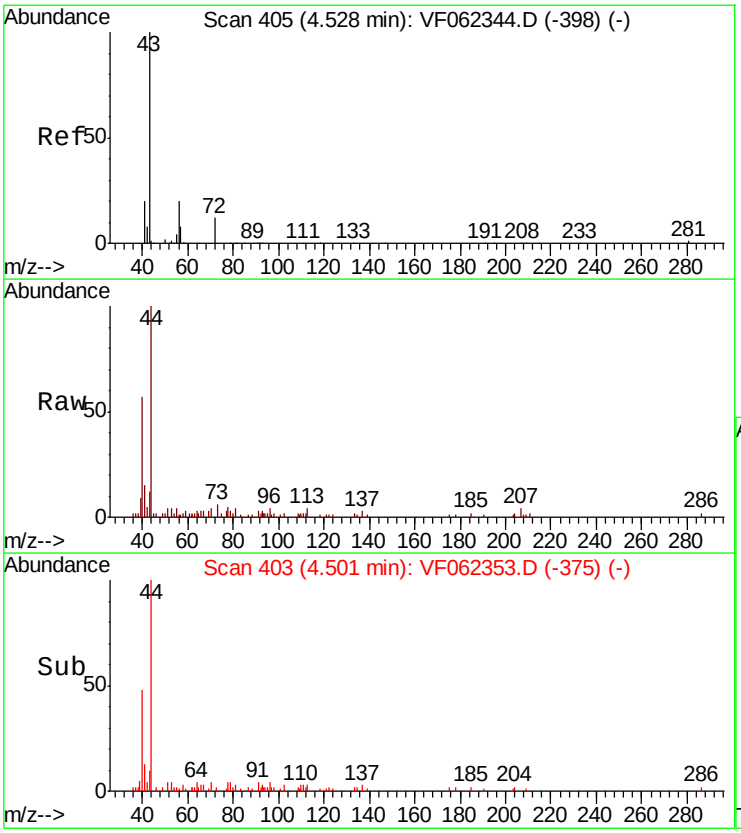
#20
Methylene Chloride
Concen: 4.621 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 84 Resp: 11428

Ion	Ratio	Lower	Upper
84	100		
49	139.4	117.5	176.3
51	34.6	37.0	55.4#
86	87.3	49.3	73.9#

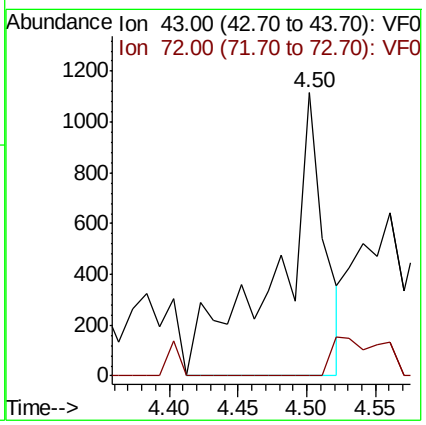


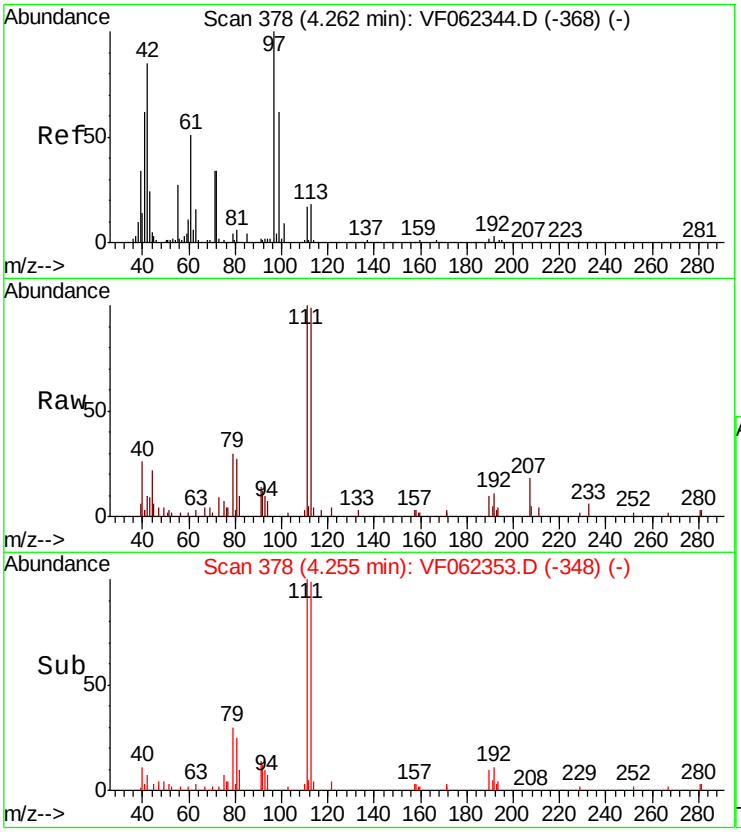


#25
2-Butanone
Concen: 3.039 ug/l
RT: 4.50 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 43 Resp: 2610

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.2	21.4#



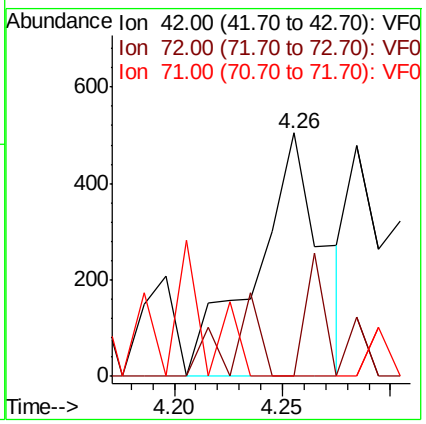


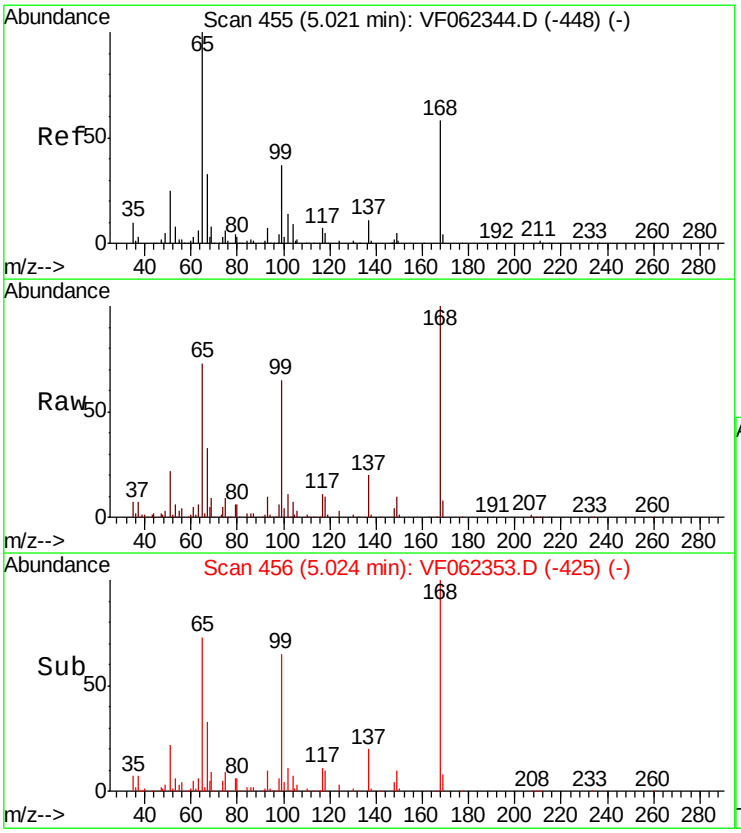
#29
Tetrahydrofuran
Concen: 2.716 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 42 Resp: 1072

Ion	Ratio	Lower	Upper
42	100		
72	20.9	31.4	47.0#
71	0.0	31.7	47.5#

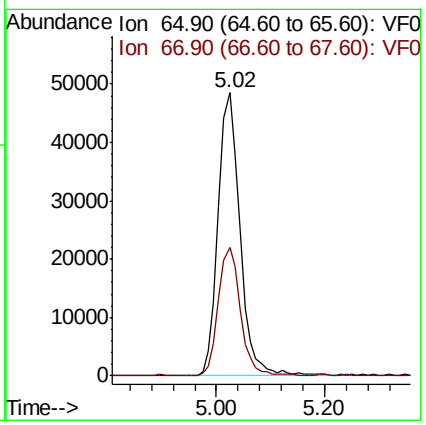


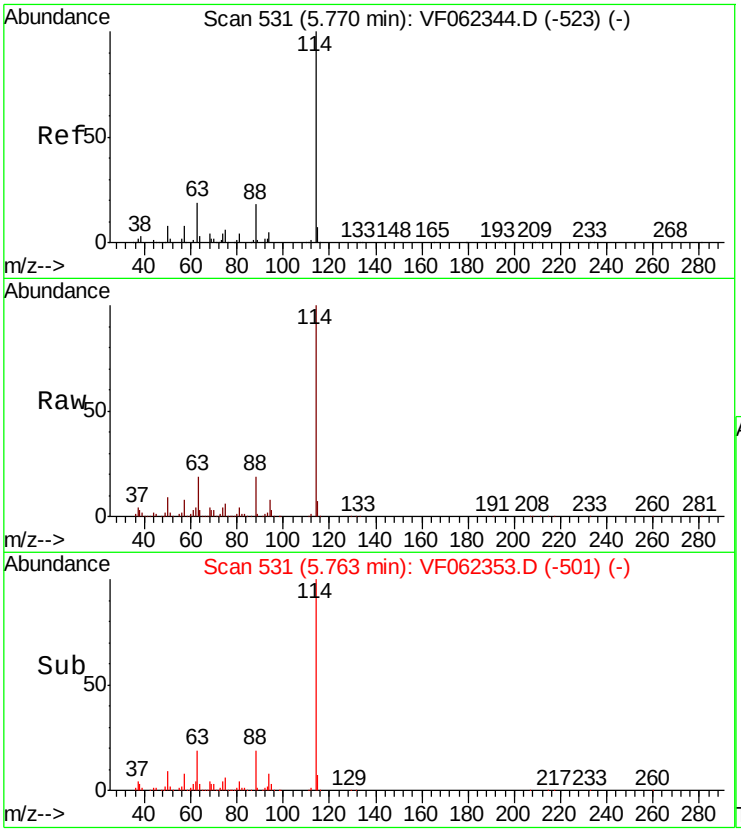


#33
1,2-Dichloroethane-d4
Concen: 40.451 ug/l
RT: 5.02 min Scan# 456
Delta R.T. 0.00 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 65 Resp: 136685

Ion	Ratio	Lower	Upper
65	100		
67	46.2	0.0	85.8



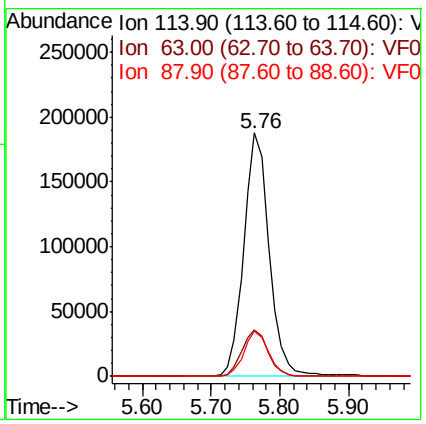


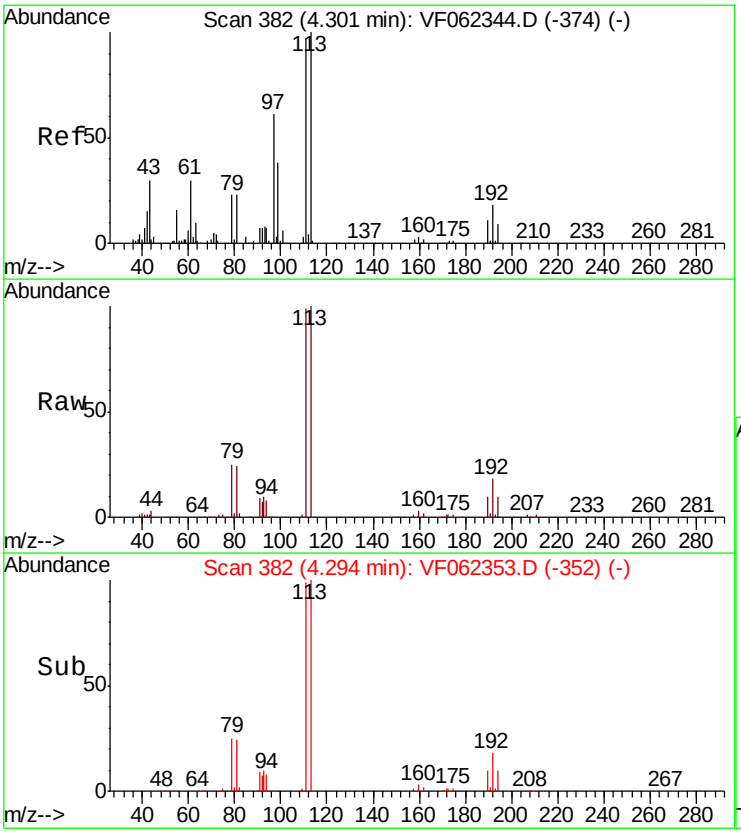
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion:114 Resp: 481360

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	37.4
88	18.7	0.0	36.4

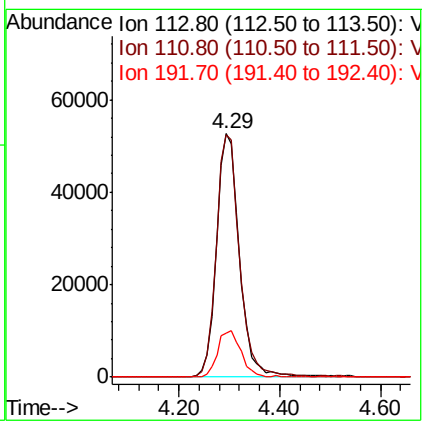


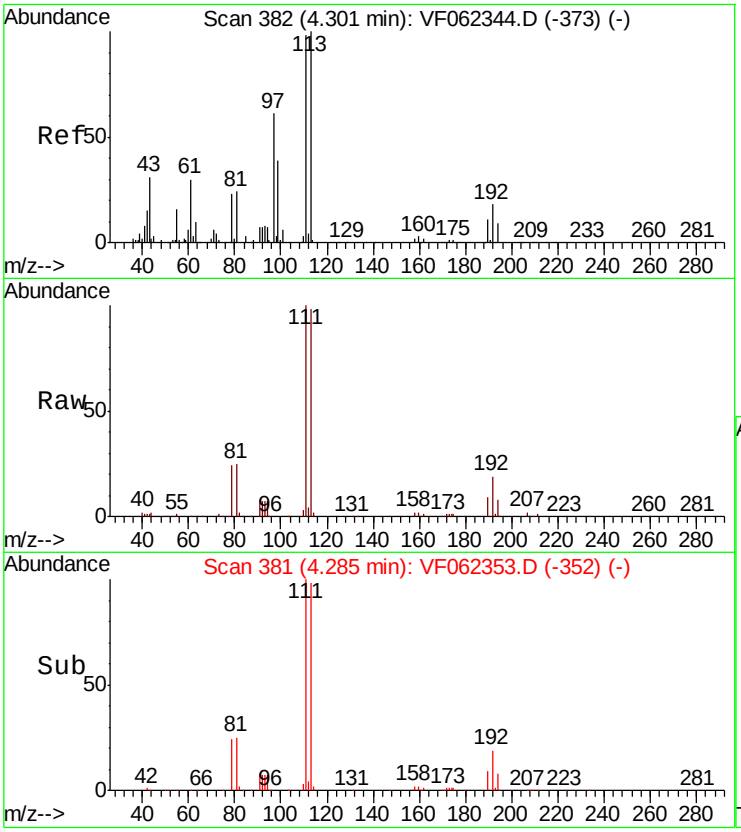


#35
Dibromofluoromethane
Concen: 43.632 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion:113 Resp: 167324

Ion	Ratio	Lower	Upper
113	100		
111	100.4	79.4	119.0
192	19.3	16.0	24.0



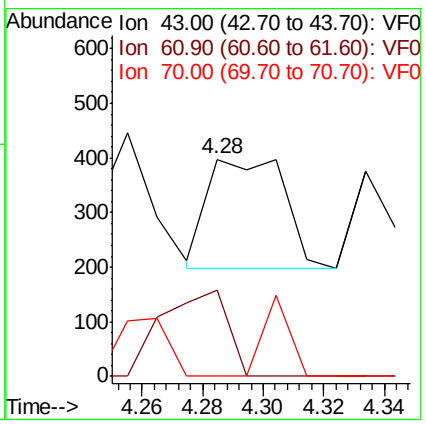


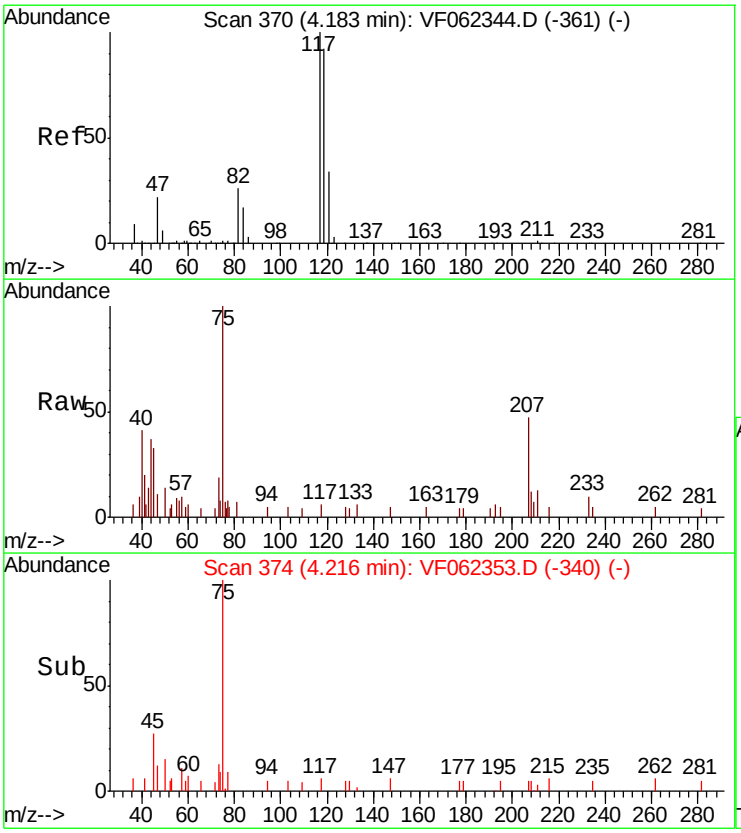
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 43 Resp: 354

Ion	Ratio	Lower	Upper
43	100		
61	67.2	0.0	0.0#
70	34.5	8.2	12.2#

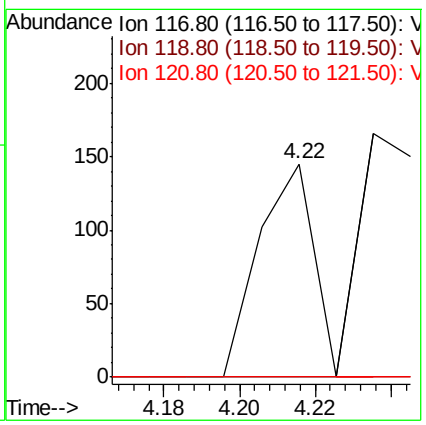


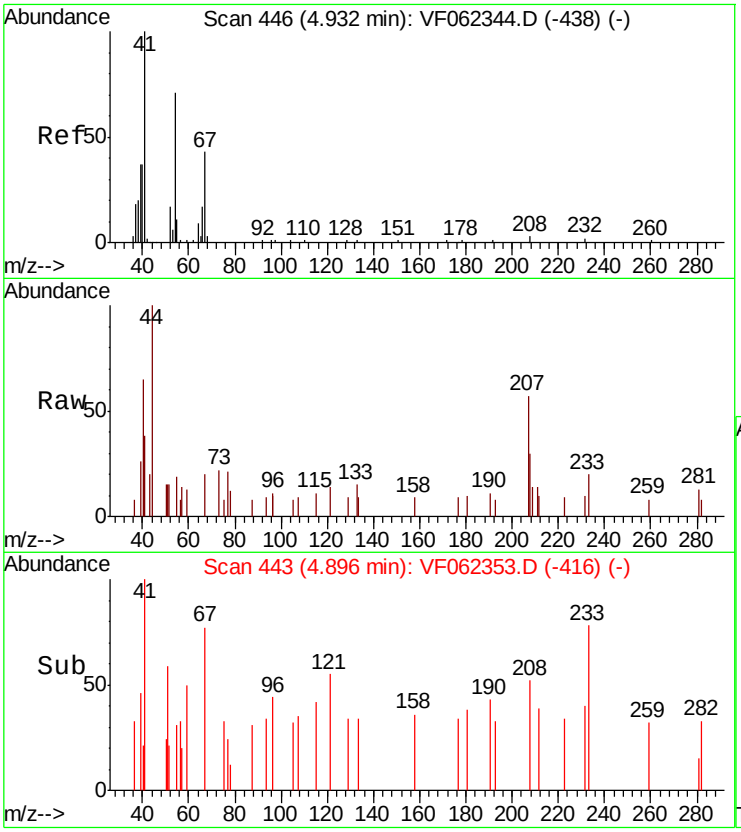


#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.22 min Scan# 374
Delta R.T. 0.03 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion:117 Resp: 146

Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.4	110.2#
121	0.0	27.4	41.0#



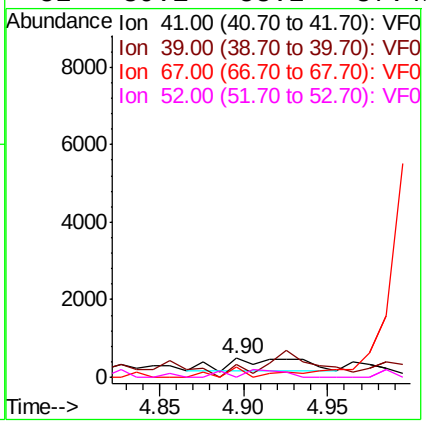


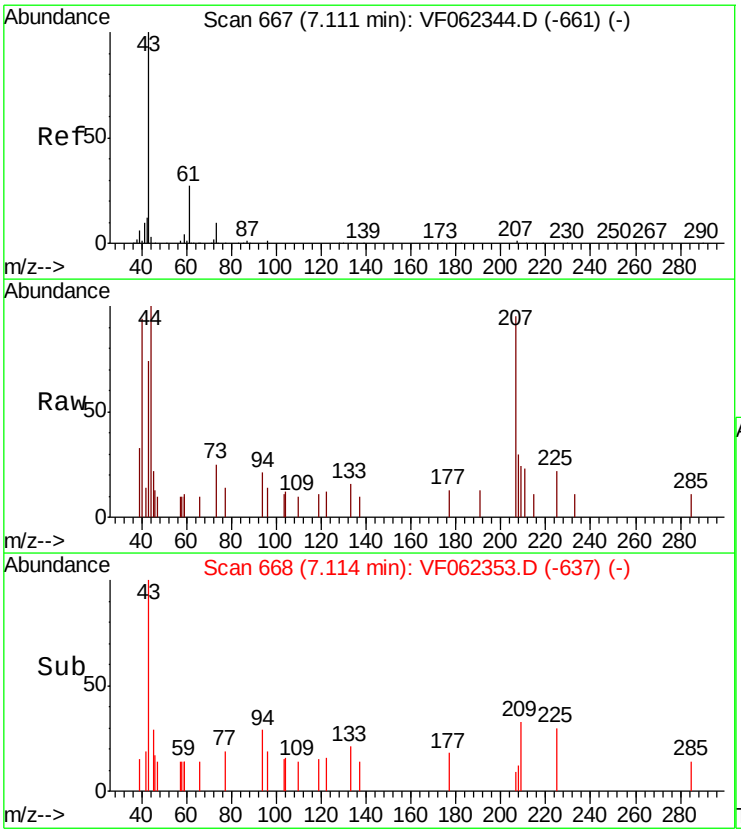
#41
Methacrylonitrile
Concen: 1.003 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.04 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 41 Resp: 994

Ion	Ratio	Lower	Upper
41	100		
39	0.0	54.3	81.5#
67	0.0	37.8	56.8#
52	39.1	58.2	87.4#

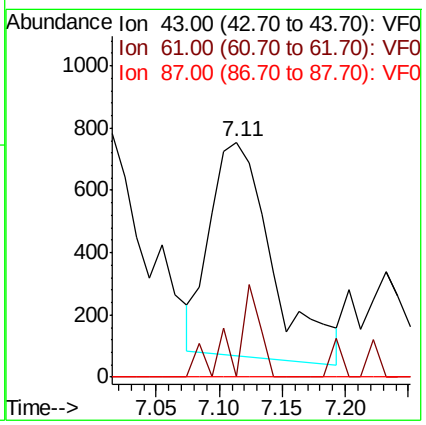


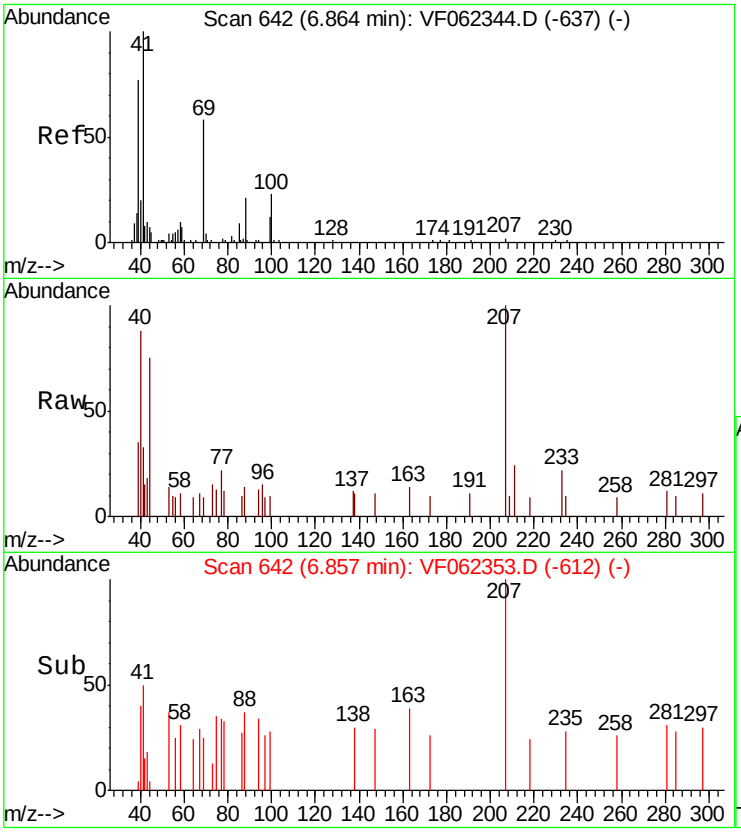


#43
Isopropyl Acetate
Concen: 1.254 ug/l
RT: 7.11 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 43 Resp: 2358

Ion	Ratio	Lower	Upper
43	100		
61	15.1	22.8	34.2#
87	0.0	0.6	1.0#



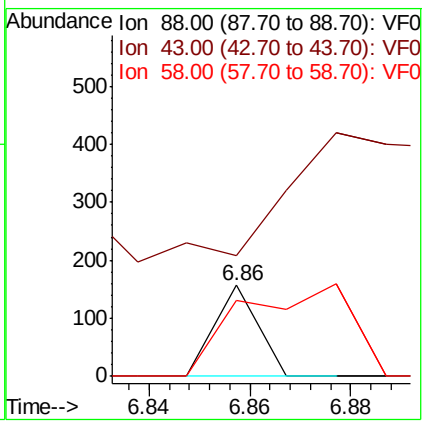


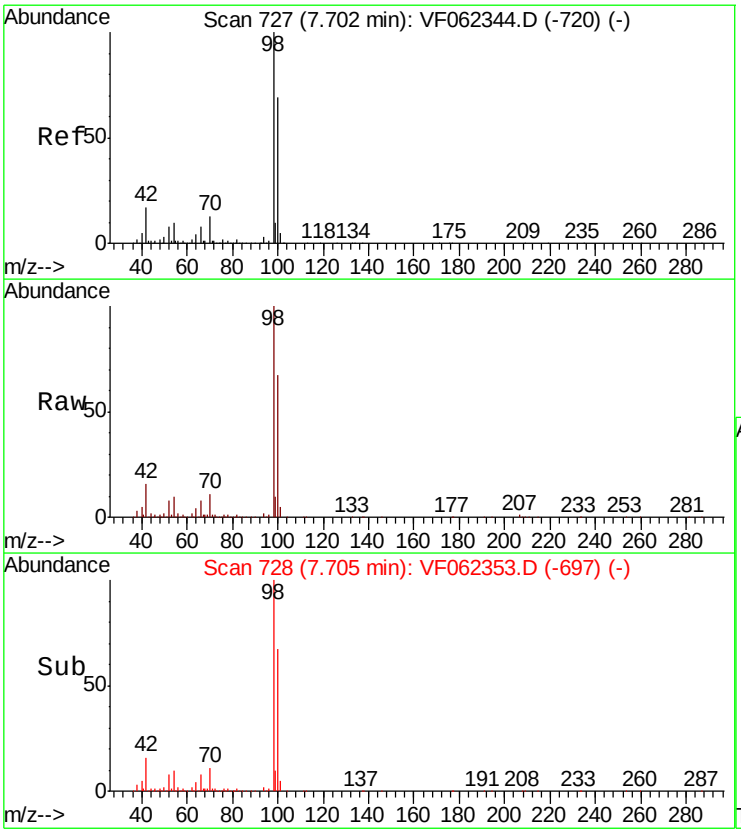
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 88 Resp: 93

Ion	Ratio	Lower	Upper
88	100		
43	549.5	55.6	83.4#
58	257.0	52.8	79.2#

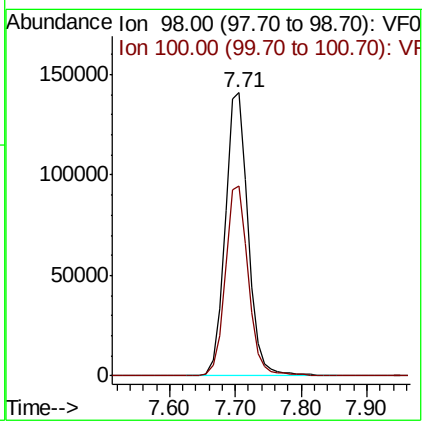


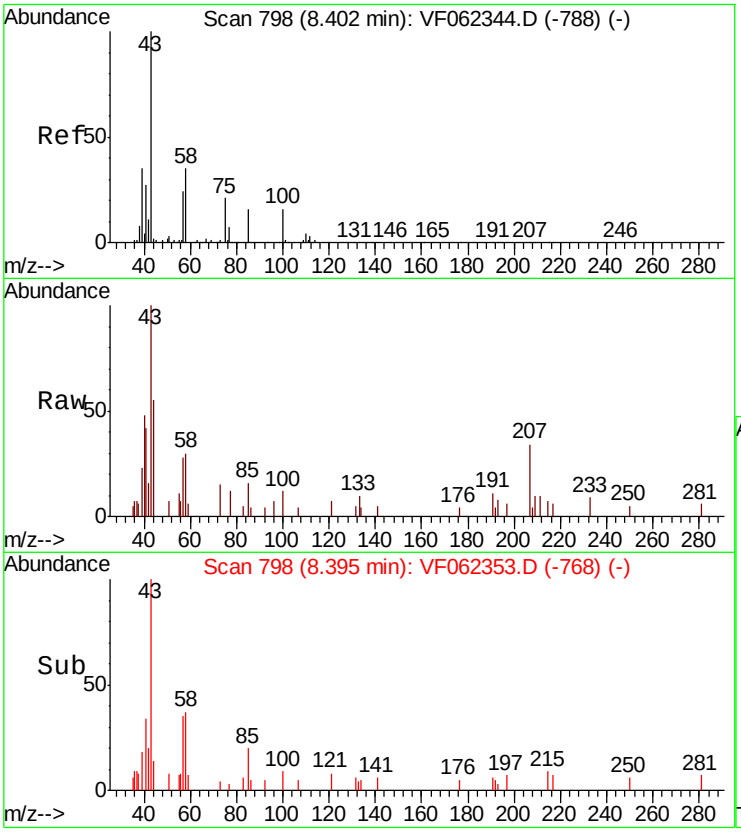


#50
Toluene-d8
Concen: 37.010 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 98 Resp: 343564

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.3	79.9



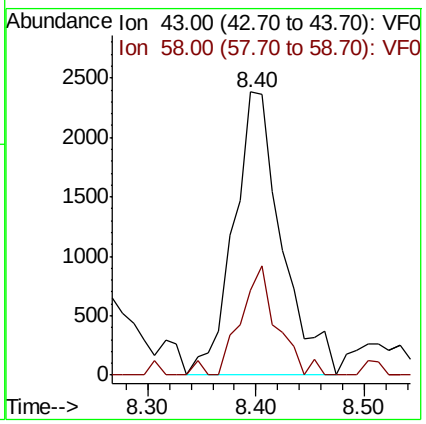


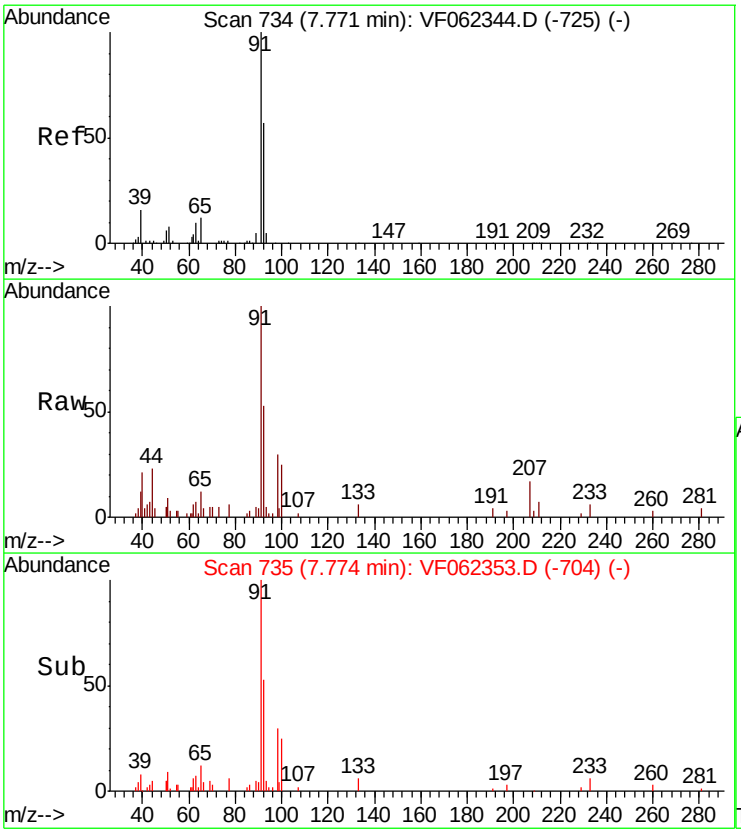
#51
4-Methyl-2-Pentanone
Concen: 5.163 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 43 Resp: 7358

Ion	Ratio	Lower	Upper
43	100		
58	29.6	27.8	41.6

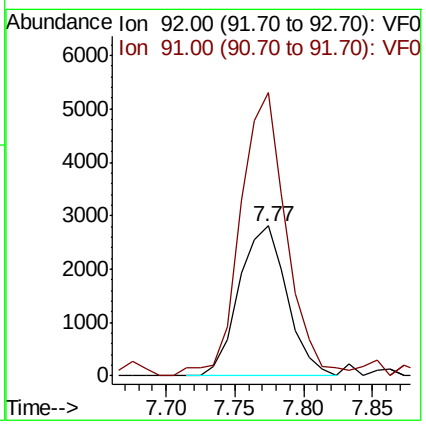


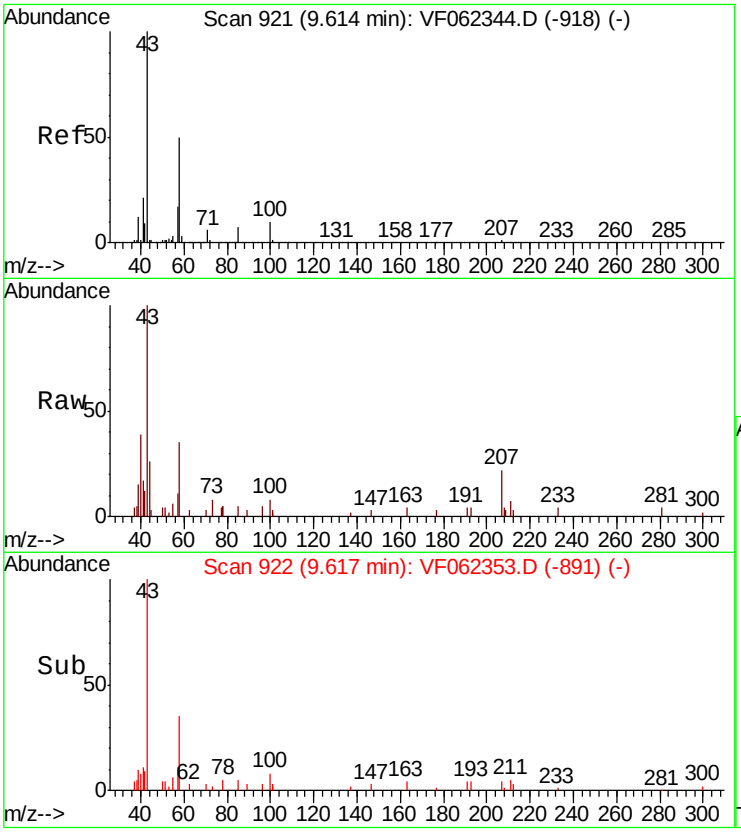


#52
Toluene
Concen: 1.207 ug/l
RT: 7.77 min Scan# 735
Delta R.T. 0.00 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 92 Resp: 6782

Ion	Ratio	Lower	Upper
92	100		
91	181.8	138.7	208.1



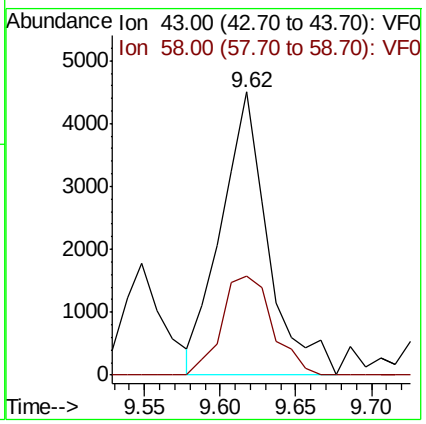


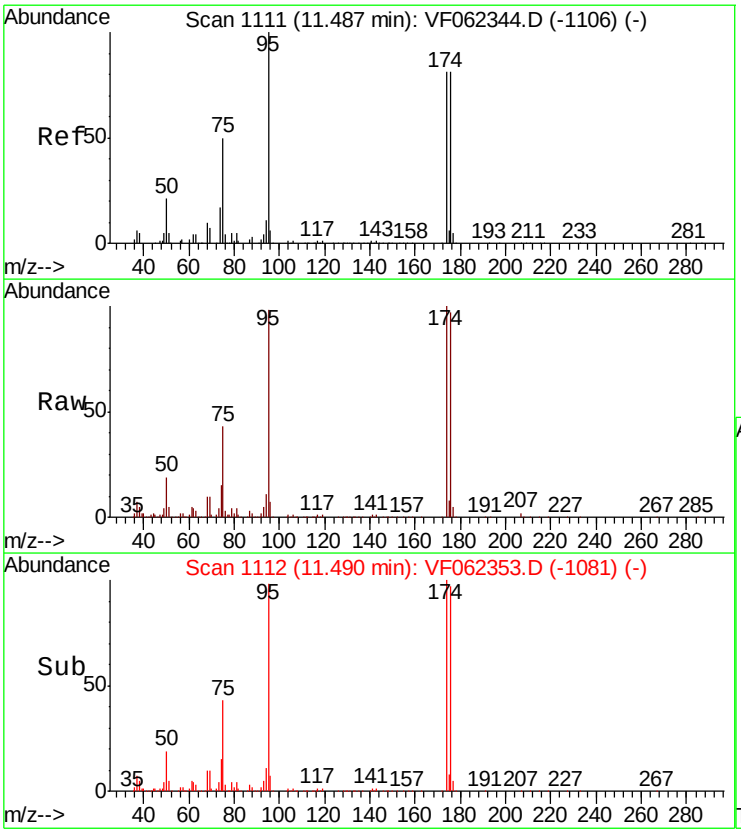
#59
2-Hexanone
Concen: 9.845 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 43 Resp: 9704

Ion	Ratio	Lower	Upper
43	100		
58	38.1	24.3	73.0

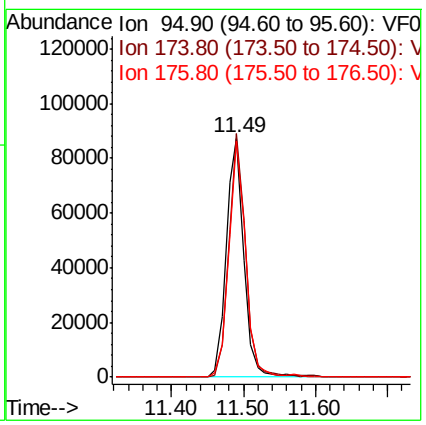


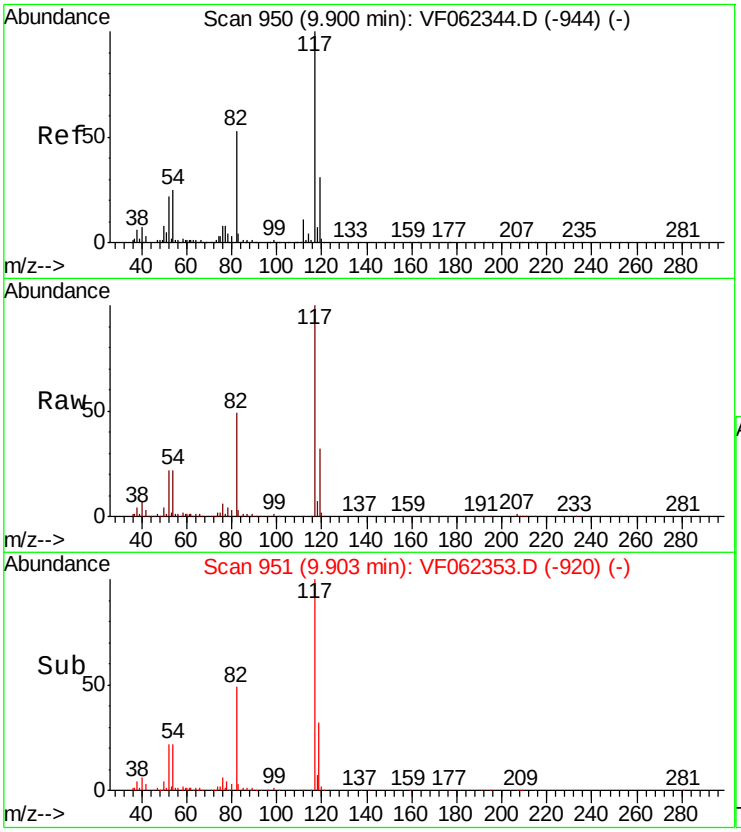


#62
4-Bromofluorobenzene
Concen: 35.210 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 95 Resp: 147463

Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	191.8
176	95.5	0.0	193.2



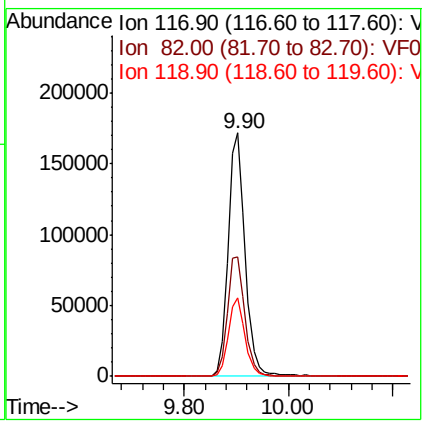


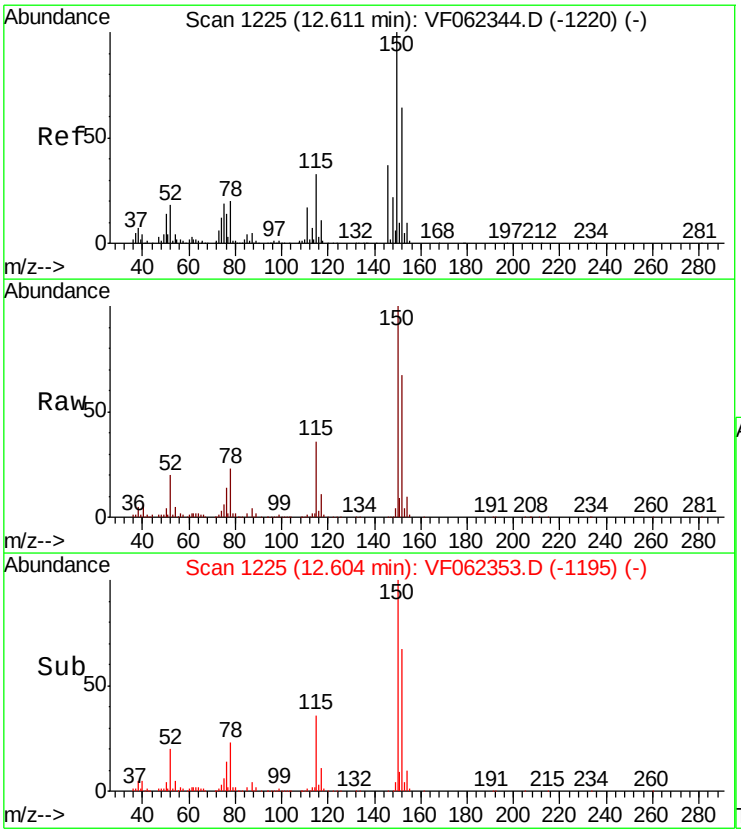
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion:117 Resp: 382221

Ion	Ratio	Lower	Upper
117	100		
82	49.2	42.2	63.2
119	32.5	25.0	37.4

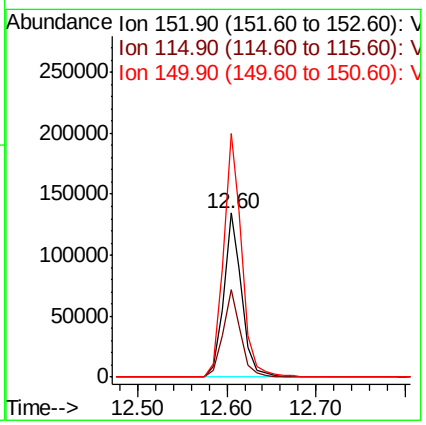


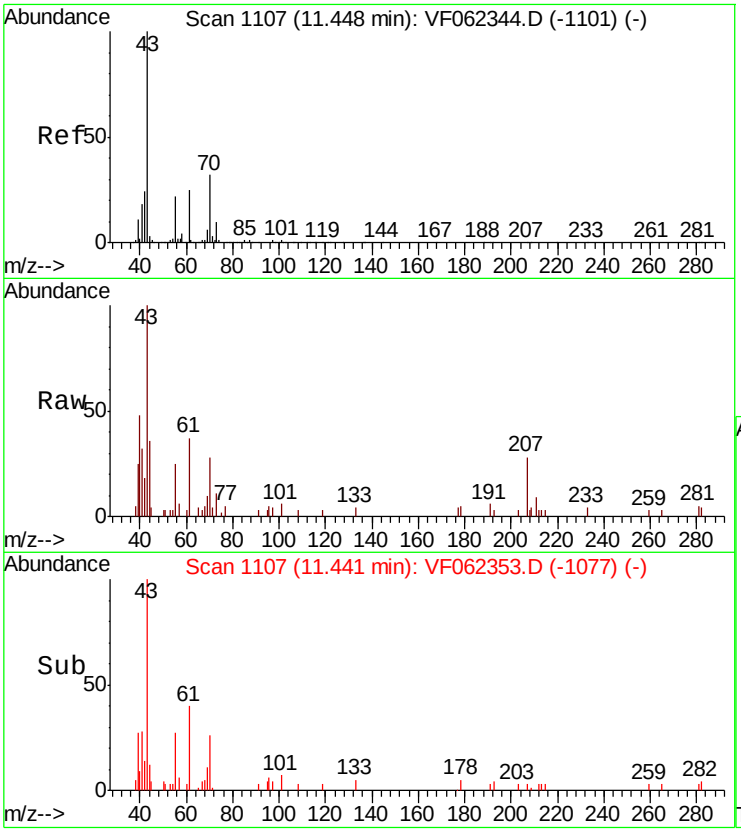


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion:152 Resp: 191761

Ion	Ratio	Lower	Upper
152	100		
115	52.6	26.4	79.2
150	151.4	0.0	335.0



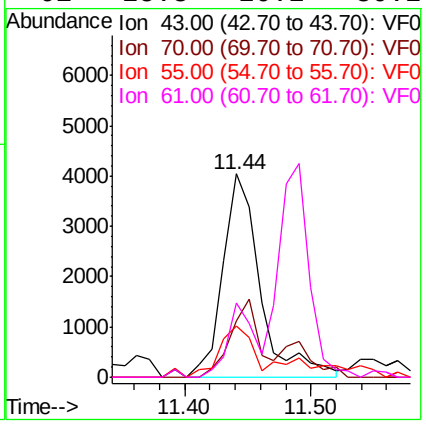


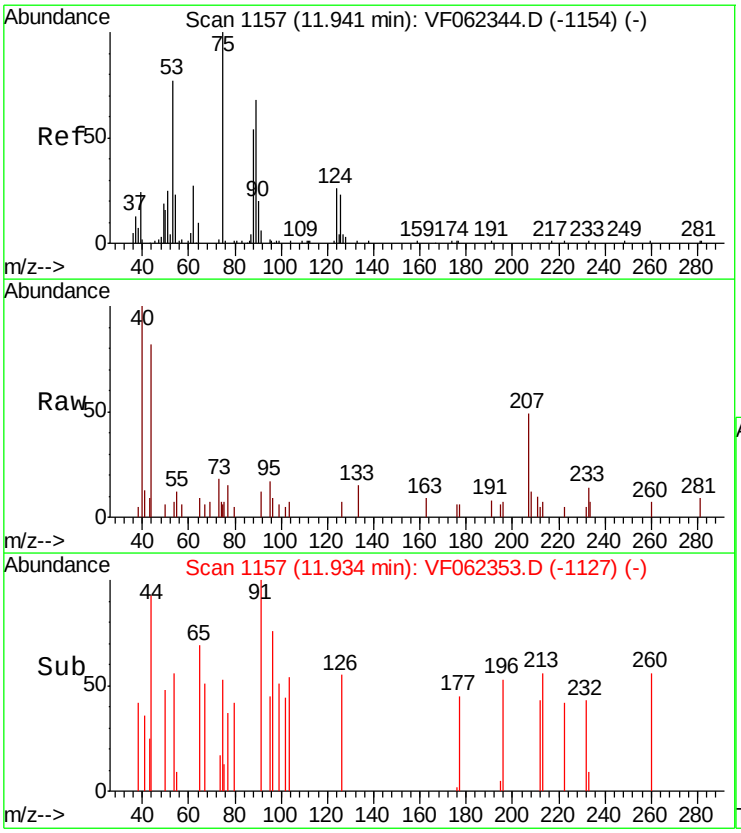
#74
N-amyl acetate
Concen: 3.392 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion: 43 Resp: 8279

Ion	Ratio	Lower	Upper
43	100		
70	29.1	26.5	39.7
55	26.9	17.8	26.6#
61	25.3	20.2	30.2

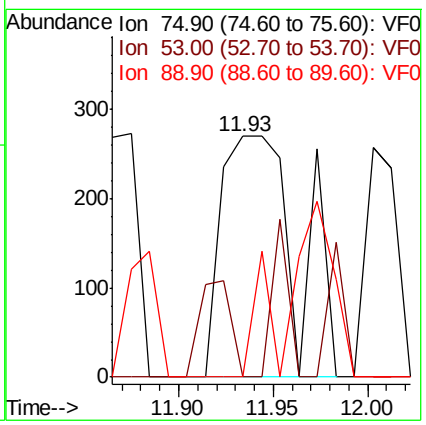


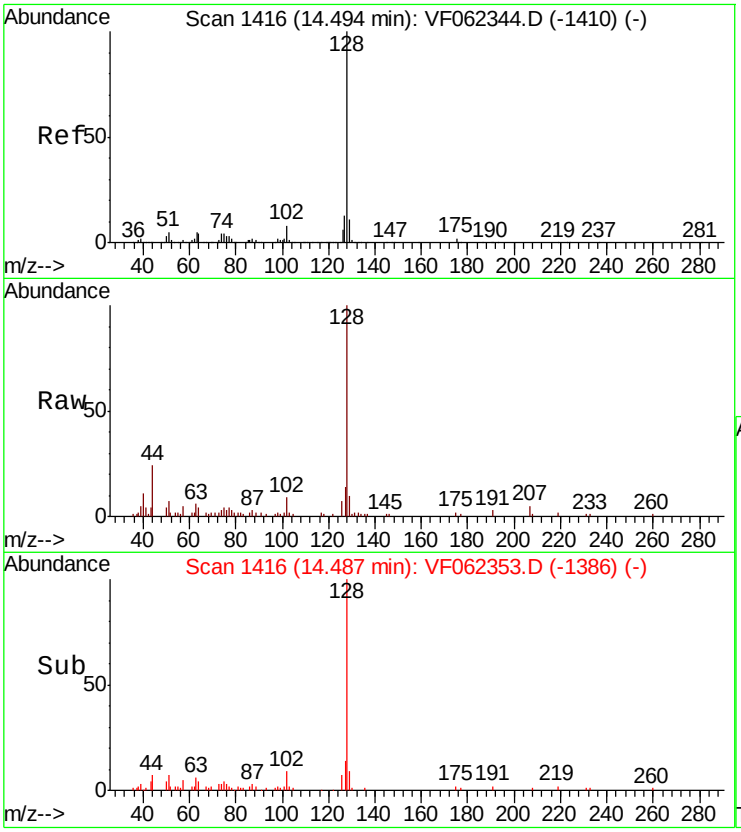


#81
trans-1,4-Dichloro-2-butene
Concen: 1.481 ug/l
RT: 11.93 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Tgt Ion: 75 Resp: 756

Ion	Ratio	Lower	Upper
75	100		
53	16.5	71.9	107.9#
89	0.0	0.0	0.0





#95
Naphthalene
Concen: 2.291 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062353.D
Acq: 7 May 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
SP-1-A

Tgt Ion:128 Resp: 16291

Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.5	15.7
129	12.2	8.6	12.8