

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061837.D
 Acq On : 5 Mar 2019 00:11
 Operator : VA/AP
 Sample : K1712-05
 Misc : 5.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-4-2-AB

Quant Time: Mar 05 05:05:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	226750	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	347393	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	262647	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	100641	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	93289	56.10	ug/l	-0.02
Spiked Amount			Recovery	=	112.20%	
35) Dibromofluoromethane	4.11	113	115196	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	
50) Toluene-d8	7.54	98	279111	37.64	ug/l	-0.02
Spiked Amount			Recovery	=	75.28%	
62) 4-Bromofluorobenzene	11.41	95	102998	34.32	ug/l	0.00
Spiked Amount			Recovery	=	68.64%	

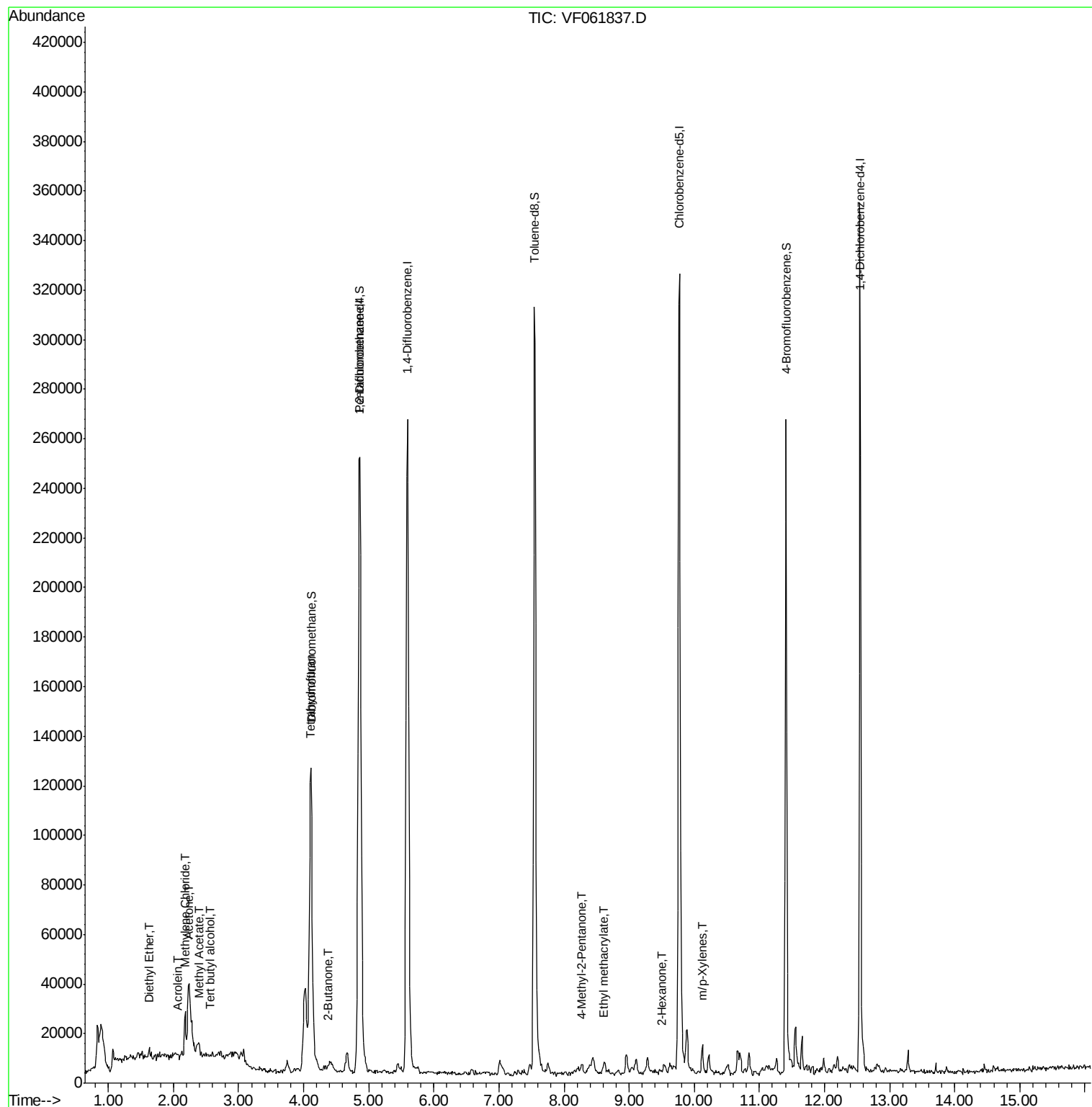
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	1336	1.731	ug/l	85
11) Tert butyl alcohol	2.58	59	422	4.385	ug/l #	1
13) Acrolein	2.08	56	196	1.621	ug/l	100
16) Acetone	2.23	43	23027	64.545	ug/l	98
18) Methyl Acetate	2.38	43	3595	4.473	ug/l #	59
20) Methylene Chloride	2.18	84	7331	3.402	ug/l #	93
25) 2-Butanone	4.36	43	3138	4.027	ug/l #	55
29) Tetrahydrofuran	4.09	42	2308	6.516	ug/l #	79
51) 4-Methyl-2-Pentanone	8.26	43	4015	2.970	ug/l #	34
56) Ethyl methacrylate	8.62	69	2682	1.502	ug/l #	64
59) 2-Hexanone	9.50	43	1142	1.205	ug/l	79
68) m/p-Xylenes	10.13	106	3945	1.163	ug/l	80

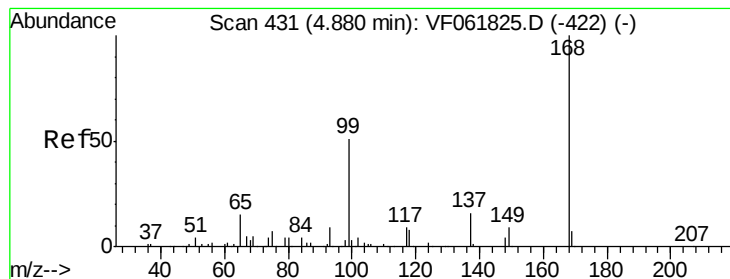
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030419\
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061837.D

Acq: 5 Mar 2019 00:11

Instrument :

MSVOA_F

ClientSampleId :

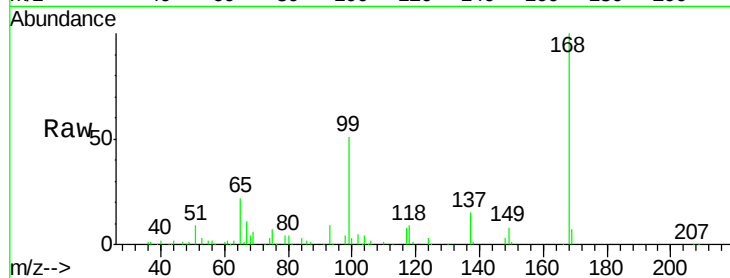
Z-4-2-AB

Tot Ion:168 Resp: 226750

Ion Ratio Lower Upper

168 100

99 50.9 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

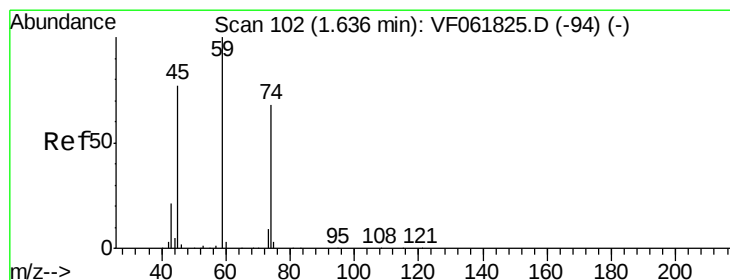
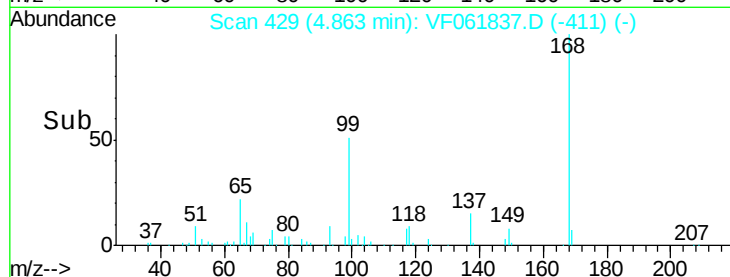
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#8

Diethyl Ether

Concen: 1.731 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061837.D

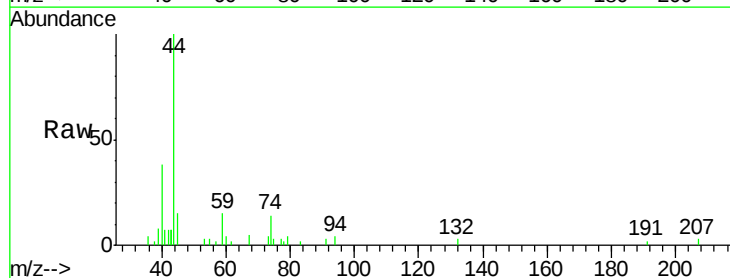
Acq: 5 Mar 2019 00:11

Tgt Ion: 74 Resp: 1336

Ion Ratio Lower Upper

74 100

45 104.6 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

800

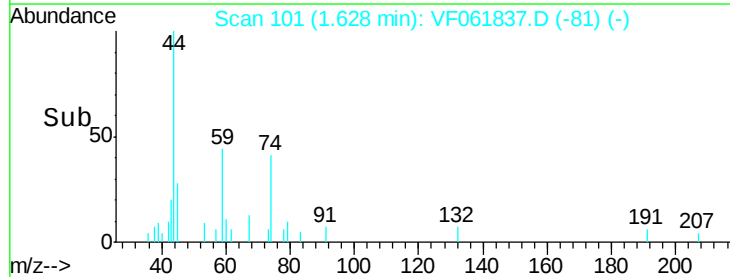
600

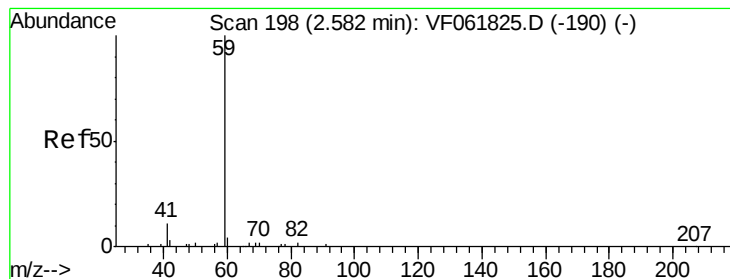
400

200

0

Time--> 1.55 1.60 1.65 1.70



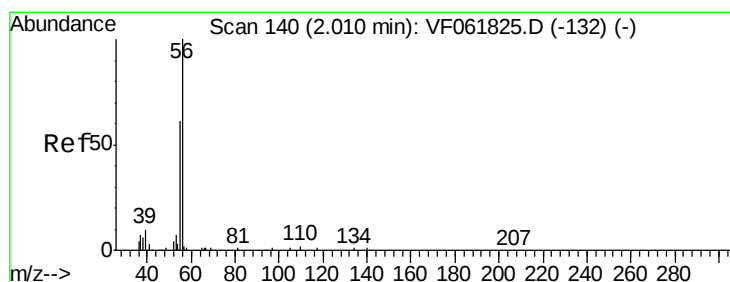
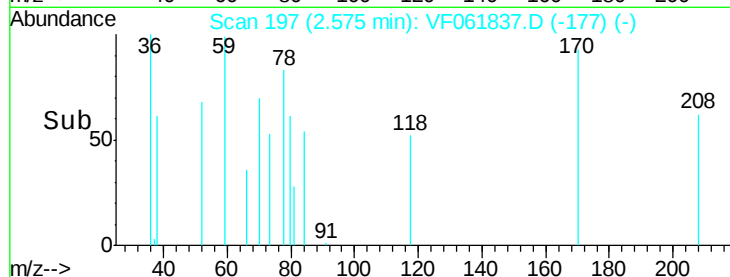
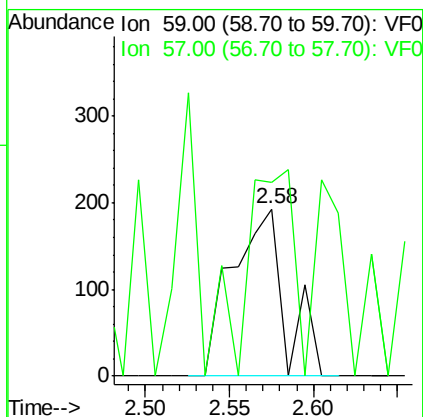
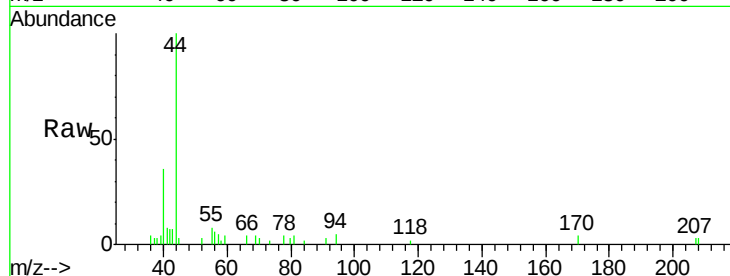


#11

Tert butyl alcohol
 Concen: 4.385 ug/l
 RT: 2.58 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061837.D
 Acq: 5 Mar 2019 00:11

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-4-2-AB

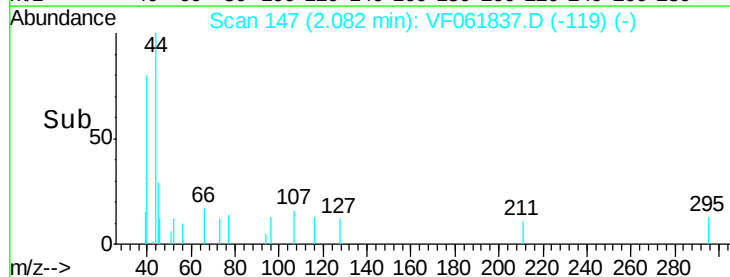
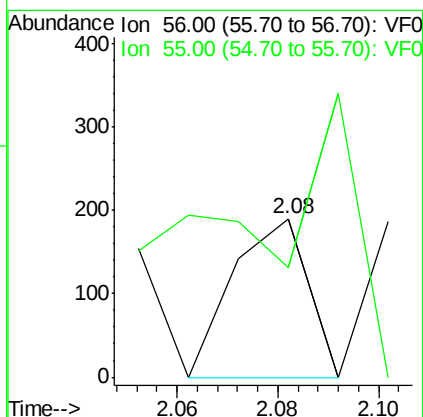
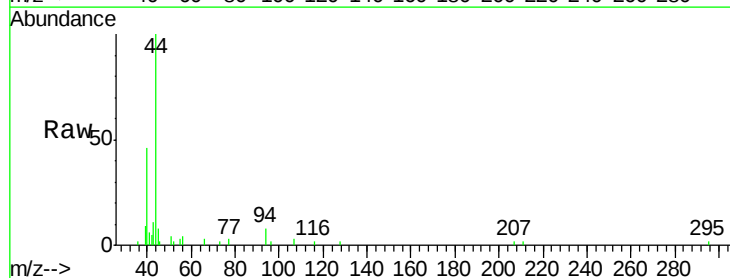
Tot Ion: 59 Resp: 422
 Ion Ratio Lower Upper
 59 100
 57 116.1 12.5 18.7#

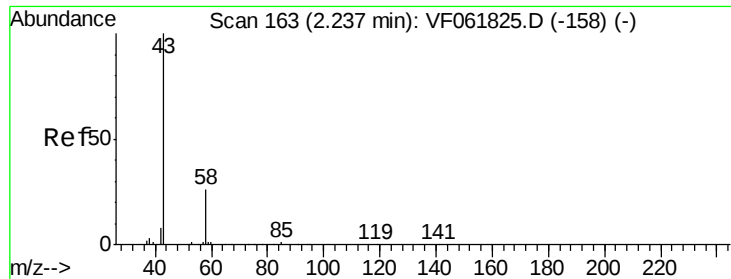


#13

Acrolein
 Concen: 1.621 ug/l
 RT: 2.08 min Scan# 147
 Delta R.T. 0.07 min
 Lab File: VF061837.D
 Acq: 5 Mar 2019 00:11

Tgt Ion: 56 Resp: 196
 Ion Ratio Lower Upper
 56 100
 55 68.9 55.0 82.6

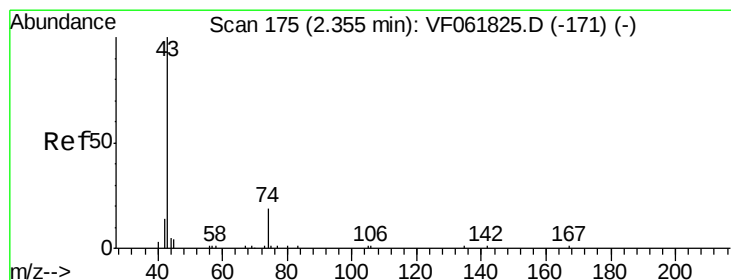
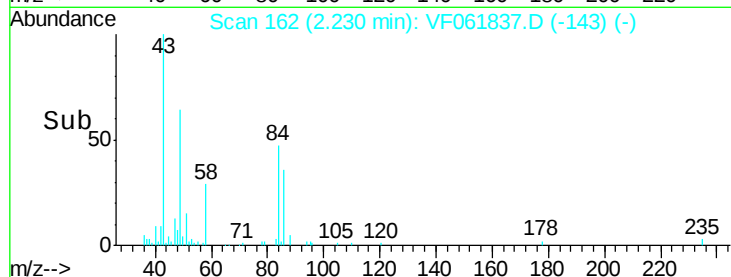
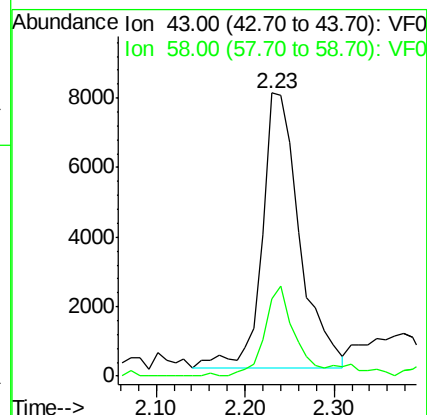
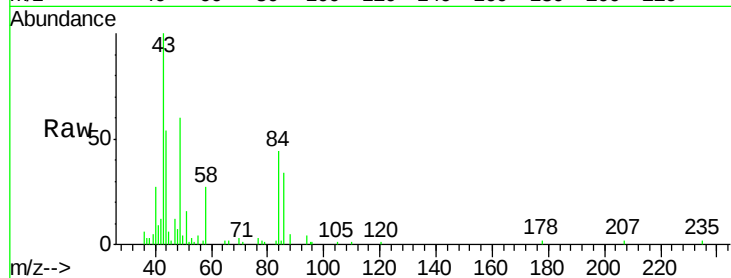




#16
Acetone
Concen: 64.545 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.02 min
Lab File: VF061837.D
Acq: 5 Mar 2019 00:11

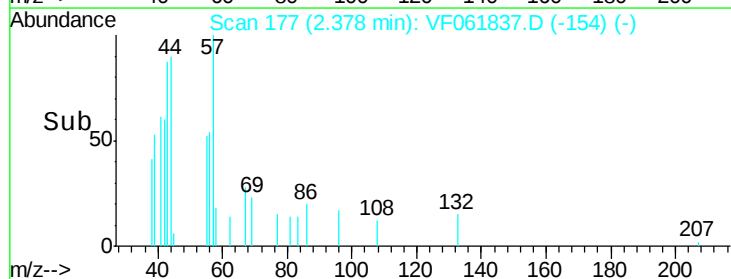
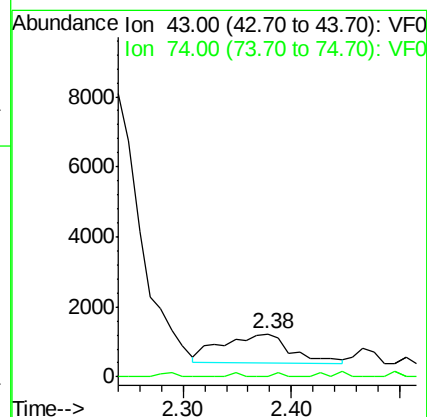
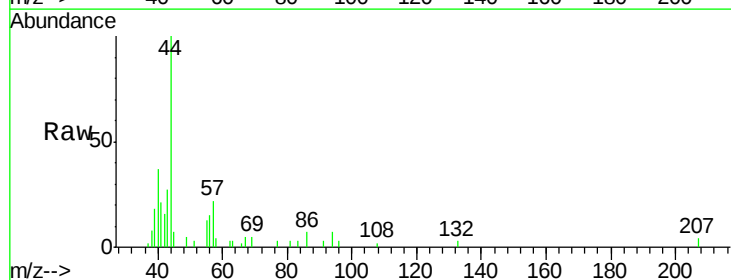
Instrument :
MSVOA_F
ClientSampleId :
Z-4-2-AB

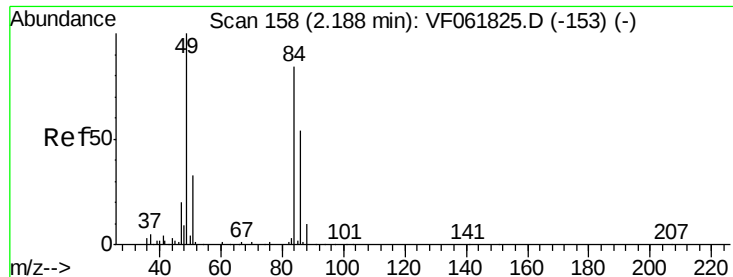
Tot Ion: 43 Resp: 23027
Ion Ratio Lower Upper
43 100
58 27.4 22.9 34.3



#18
Methyl Acetate
Concen: 4.473 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061837.D
Acq: 5 Mar 2019 00:11

Tgt Ion: 43 Resp: 3595
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#





#20

Methylene Chloride

Concen: 3.402 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061837.D

Acq: 5 Mar 2019 00:11

Instrument :
MSVOA_F
ClientSampled :
Z-4-2-AB

Tot Ion: 84 Resp: 7331

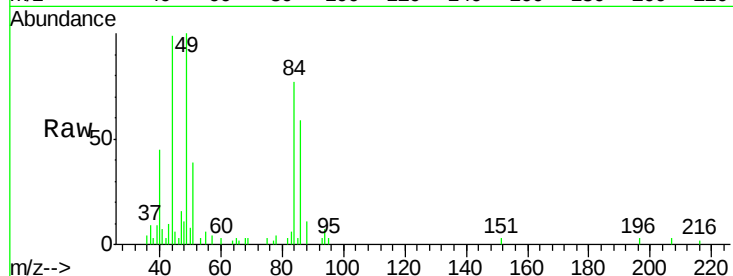
Ion Ratio Lower Upper

84 100

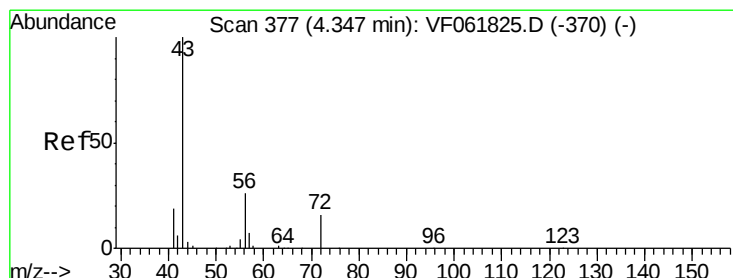
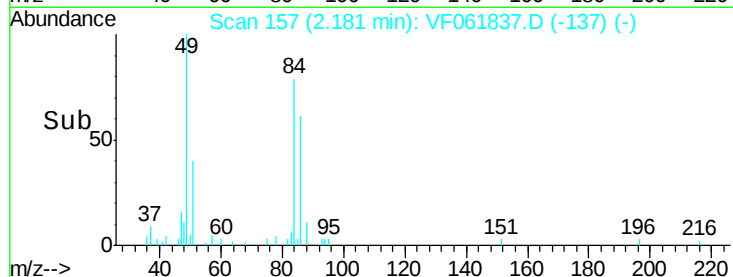
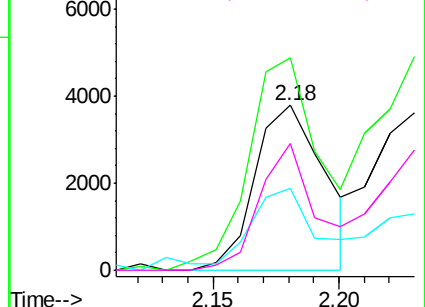
49 129.3 101.8 152.8

51 49.9 31.1 46.7#

86 76.8 54.4 81.6



Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 4.027 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF061837.D

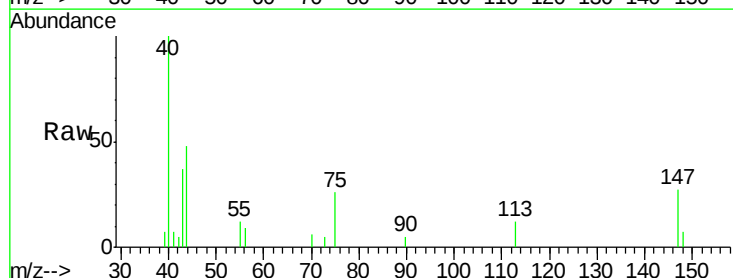
Acq: 5 Mar 2019 00:11

Tgt Ion: 43 Resp: 3138

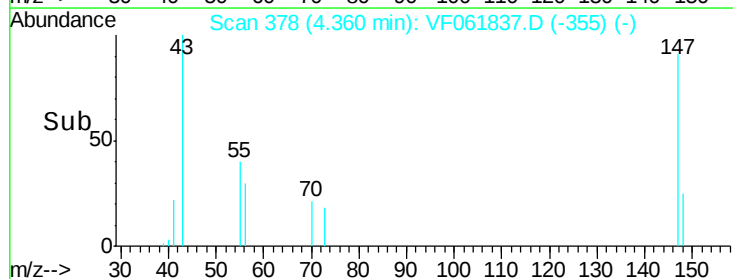
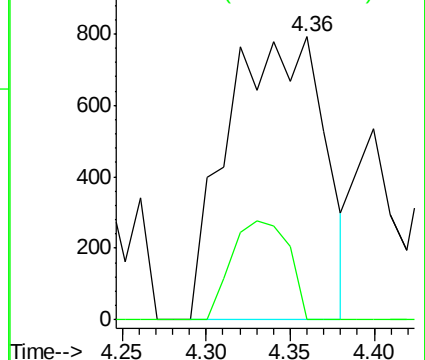
Ion Ratio Lower Upper

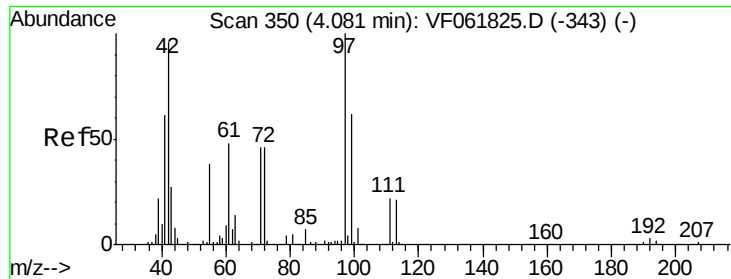
43 100

72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0

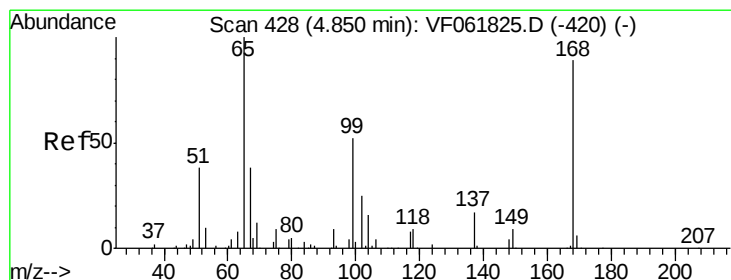
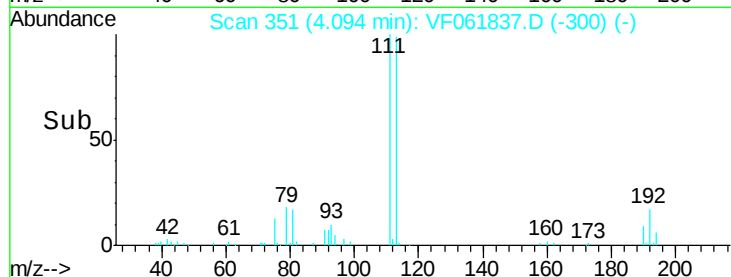
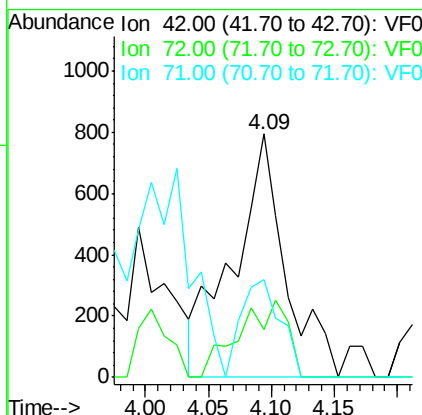
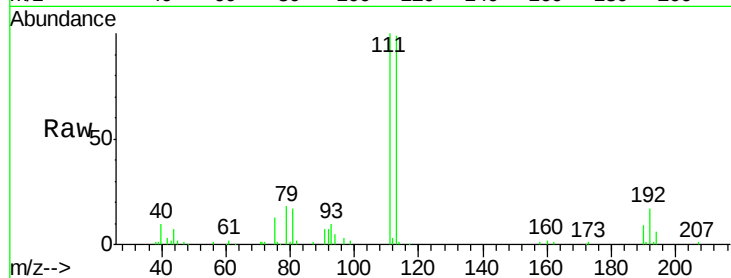




#29
Tetrahydrofuran
Concen: 6.516 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF061837.D
Acq: 5 Mar 2019 00:11

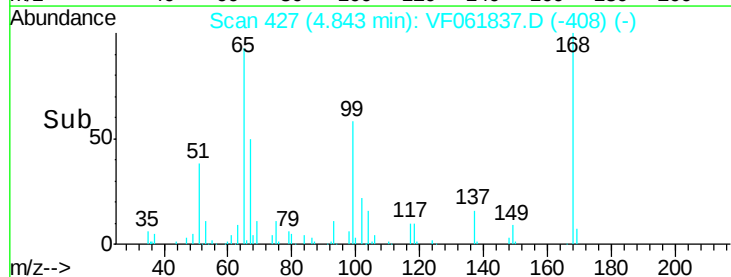
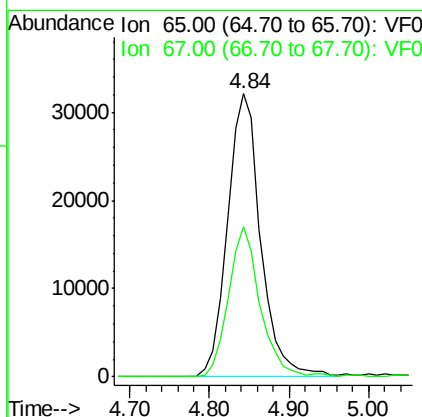
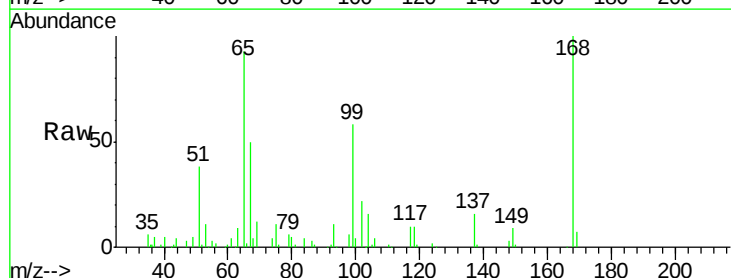
Instrument :
MSVOA_F
ClientSampleId :
Z-4-2-AB

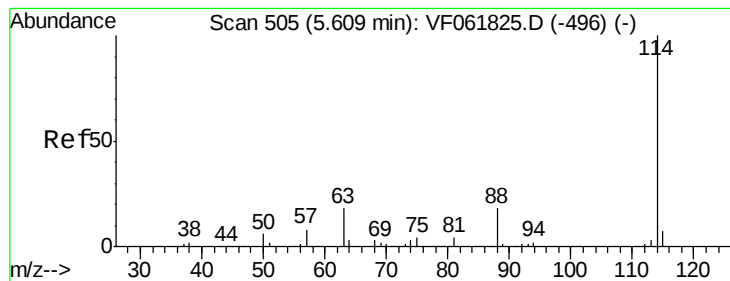
Tot Ion: 42 Resp: 2308
Ion Ratio Lower Upper
42 100
72 29.2 35.2 52.8#
71 29.7 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 56.104 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.02 min
Lab File: VF061837.D
Acq: 5 Mar 2019 00:11

Tgt Ion: 65 Resp: 93289
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061837.D

Acq: 5 Mar 2019 00:11

Instrument :

MSVOA_F

ClientSampleId :

Z-4-2-AB

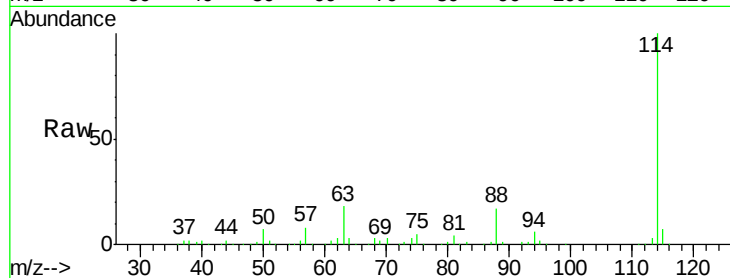
Tot Ion:114 Resp: 347393

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

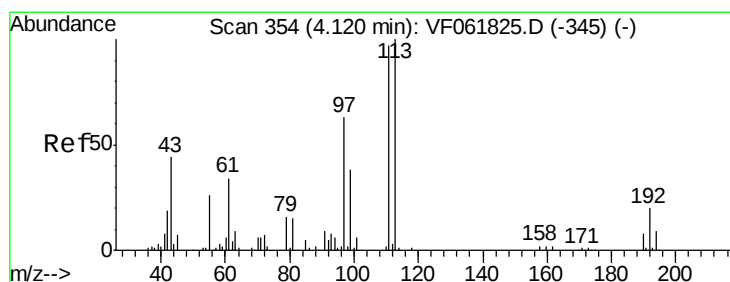
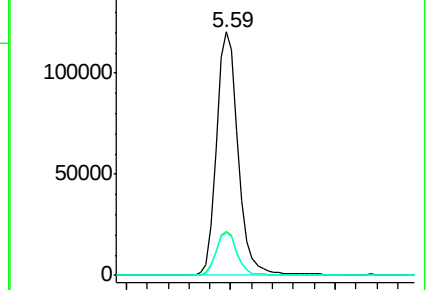
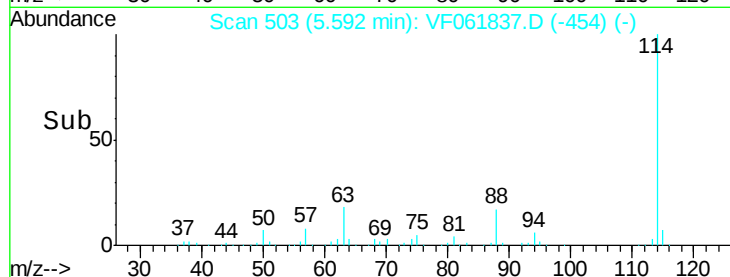
88 17.5 0.0 34.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 44.654 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061837.D

Acq: 5 Mar 2019 00:11

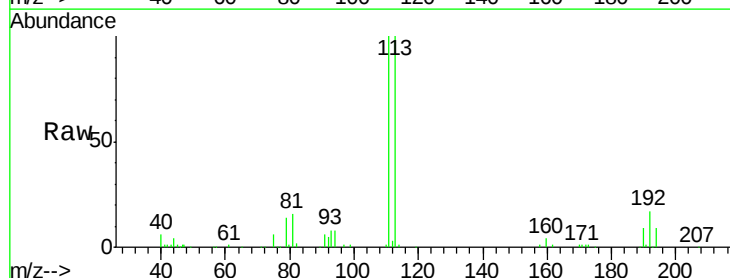
Tgt Ion:113 Resp: 115196

Ion Ratio Lower Upper

113 100

111 99.6 78.8 118.2

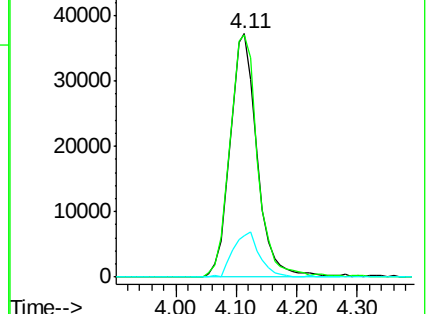
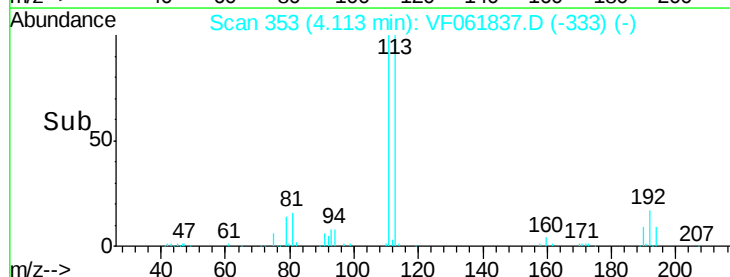
192 17.2 13.4 20.0

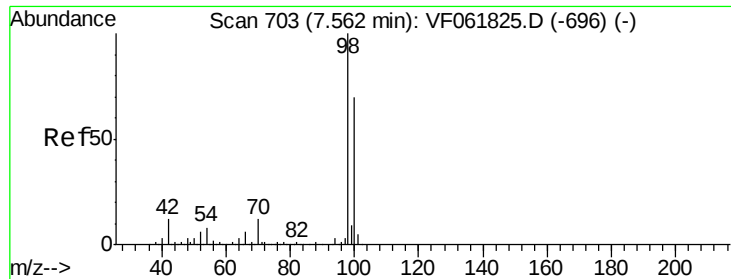


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

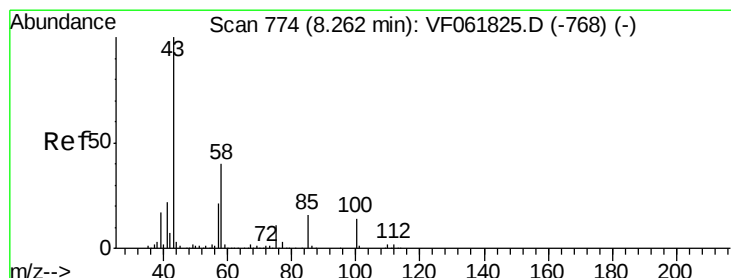
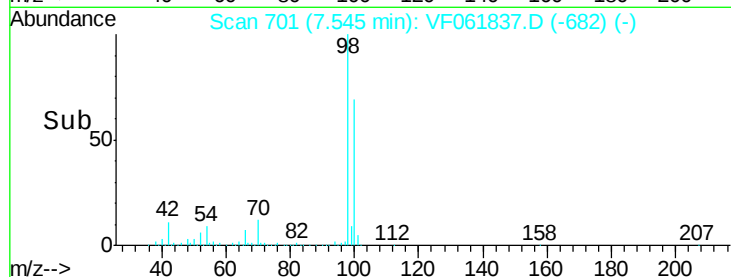
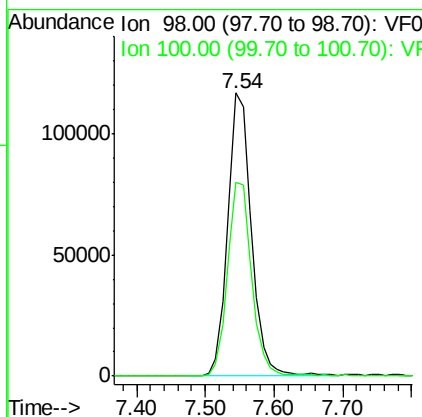
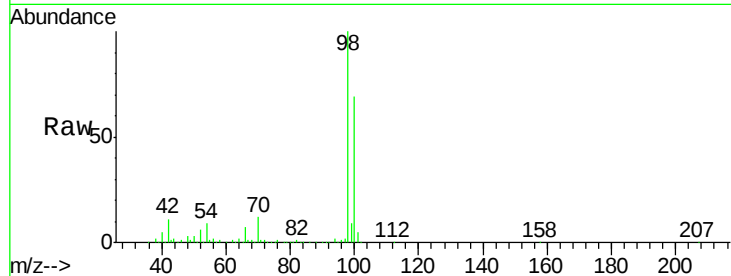




#50
Toluene-d8
Concen: 37.636 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061837.D
Acq: 5 Mar 2019 00:11

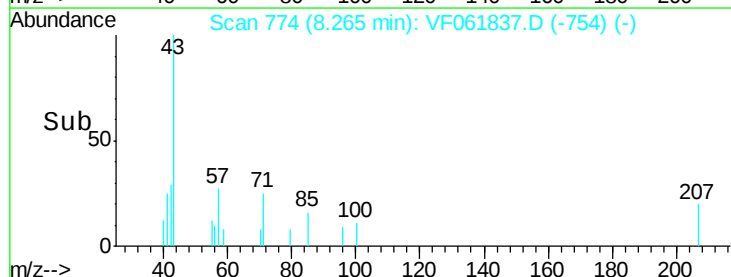
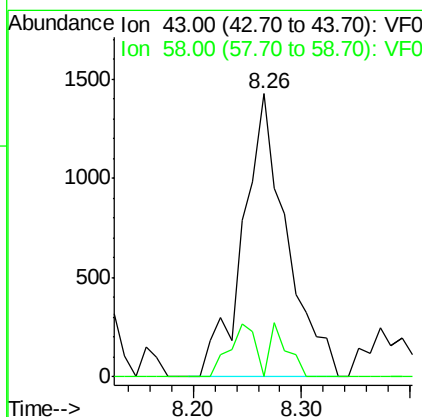
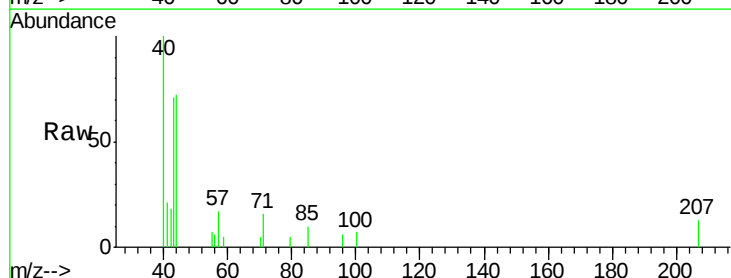
Instrument :
MSVOA_F
ClientSampleId :
Z-4-2-AB

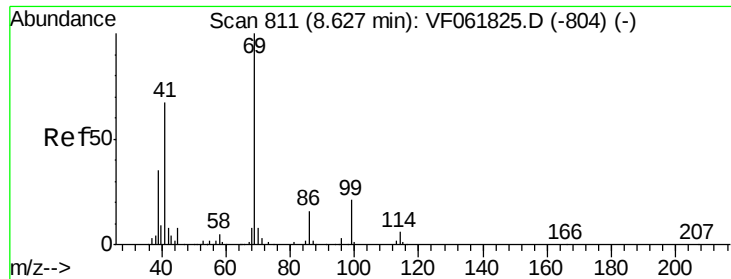
Tot Ion: 98 Resp: 279111
Ion Ratio Lower Upper
98 100
100 68.5 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 2.970 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VF061837.D
Acq: 5 Mar 2019 00:11

Tgt Ion: 43 Resp: 4015
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#56

Ethyl methacrylate

Concen: 1.502 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061837.D

Acq: 5 Mar 2019 00:11

Instrument :

MSVOA_F

ClientSampleId :

Z-4-2-AB

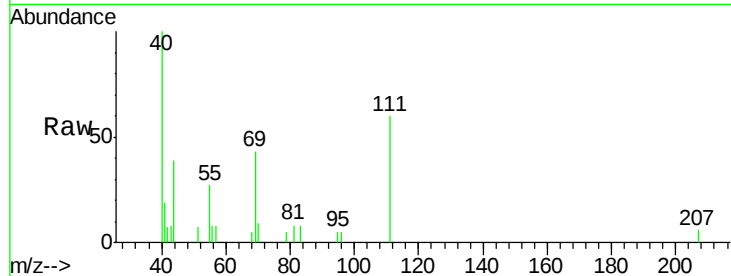
Tot Ion: 69 Resp: 2682

Ion Ratio Lower Upper

69 100

41 44.8 52.9 79.3#

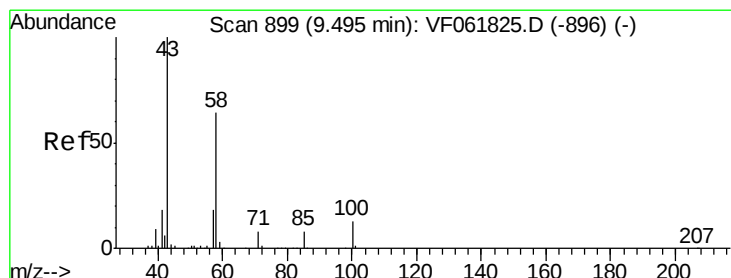
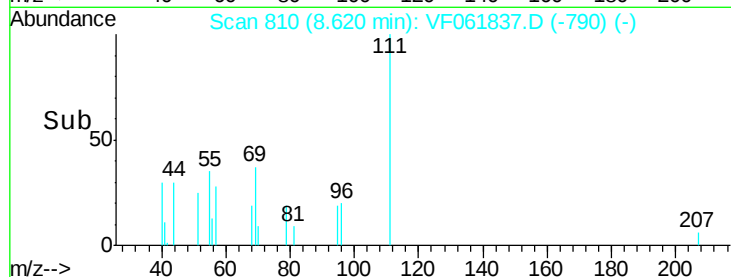
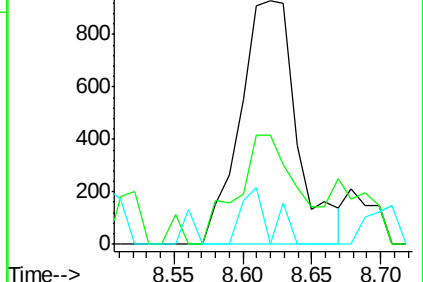
39 0.0 24.5 36.7#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#59

2-Hexanone

Concen: 1.205 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF061837.D

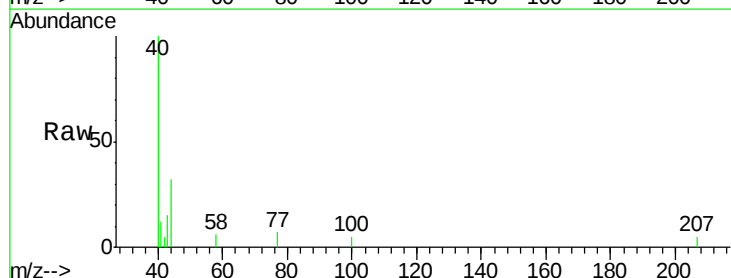
Acq: 5 Mar 2019 00:11

Tgt Ion: 43 Resp: 1142

Ion Ratio Lower Upper

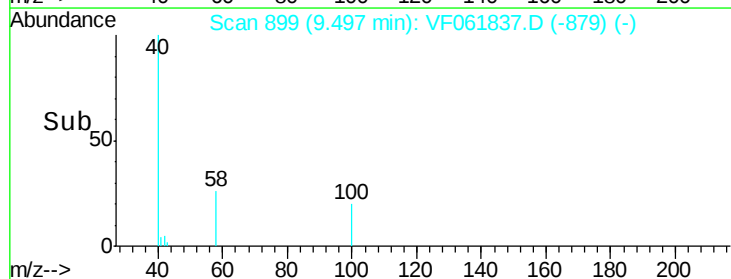
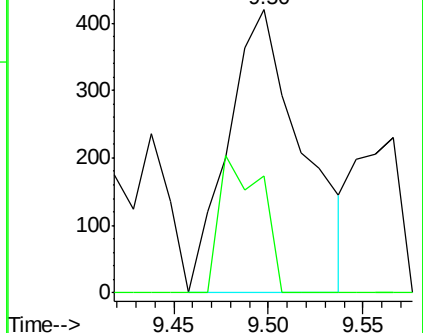
43 100

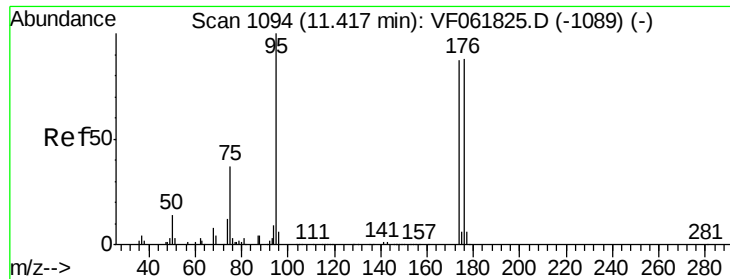
58 41.2 28.5 85.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

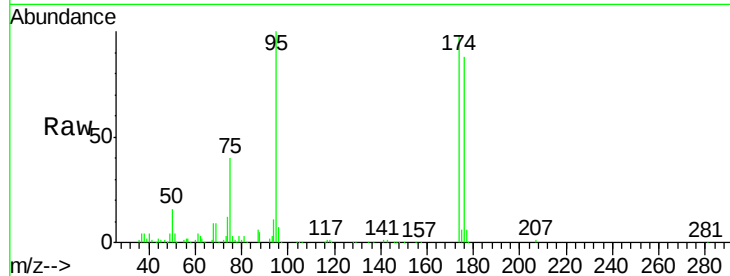




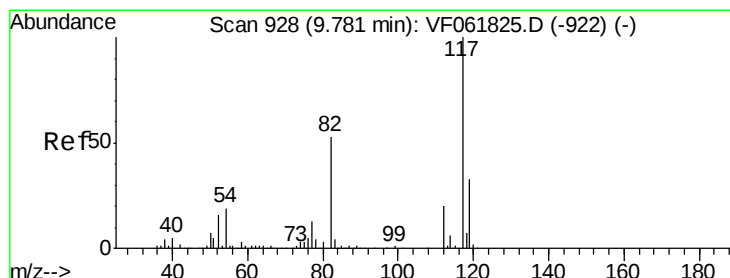
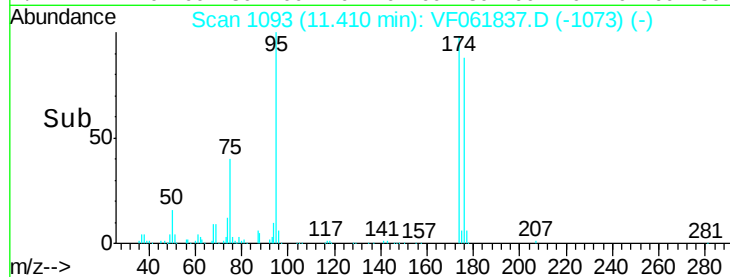
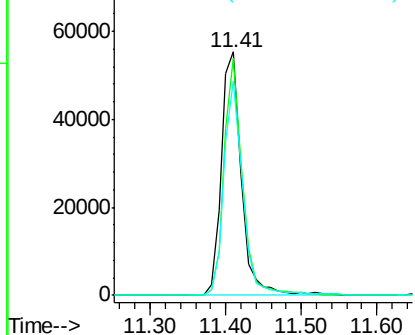
#62
4-Bromofluorobenzene
Concen: 34.325 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061837.D
Acq: 5 Mar 2019 00:11

Instrument :
MSVOA_F
ClientSampleId :
Z-4-2-AB

Tot Ion: 95 Resp: 102998
Ion Ratio Lower Upper
95 100
174 97.5 0.0 165.8
176 87.9 0.0 167.0

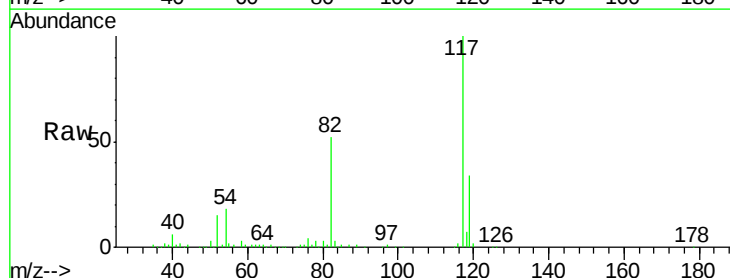


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

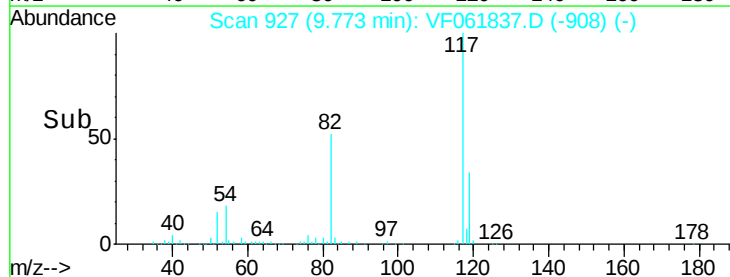
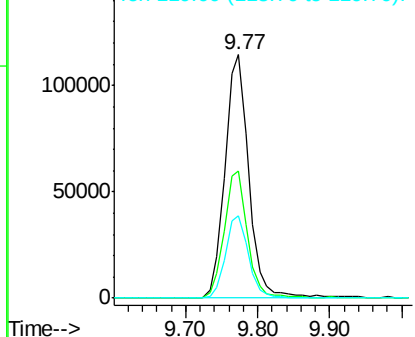


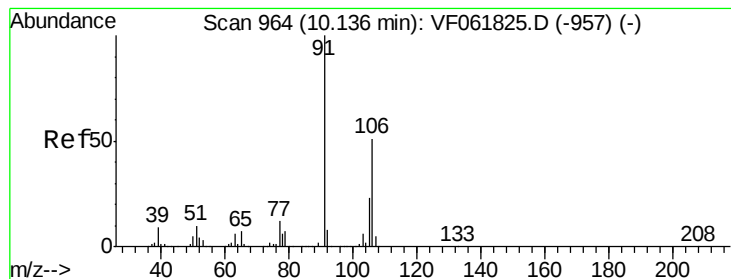
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061837.D
Acq: 5 Mar 2019 00:11

Tgt Ion: 117 Resp: 262647
Ion Ratio Lower Upper
117 100
82 52.0 39.3 58.9
119 33.6 26.6 40.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V





#68

m/p-Xvlenes

Concen: 1.163 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF061837.D

Acq: 5 Mar 2019 00:11

Instrument :

MSVOA_F

ClientSampleId :

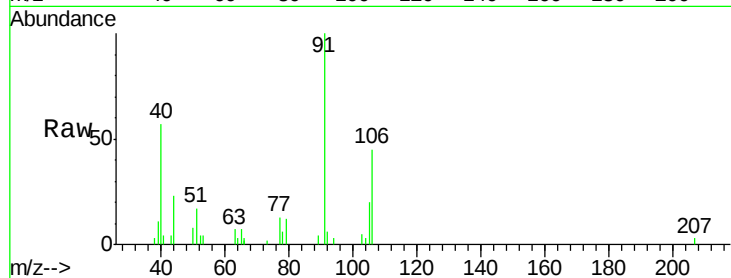
Z-4-2-AB

Tot Ion:106 Resp: 3945

Ion Ratio Lower Upper

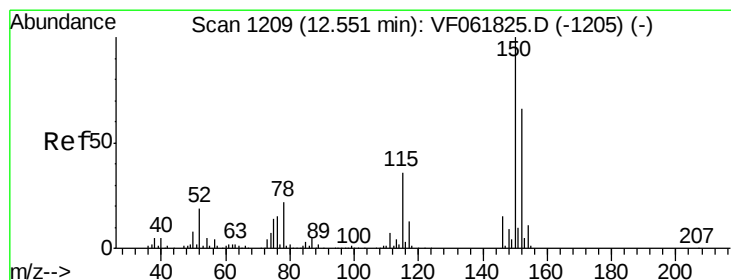
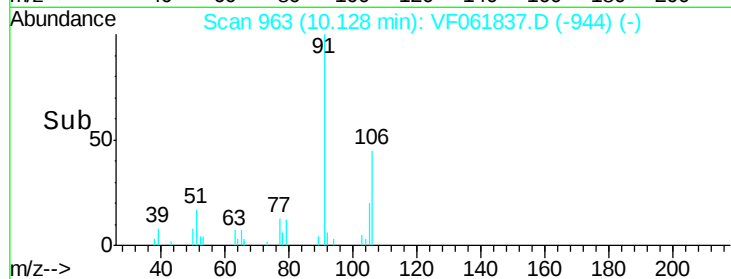
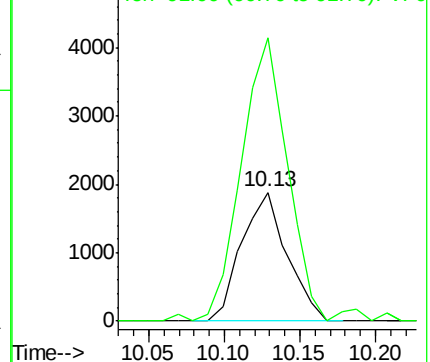
106 100

91 220.2 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061837.D

Acq: 5 Mar 2019 00:11

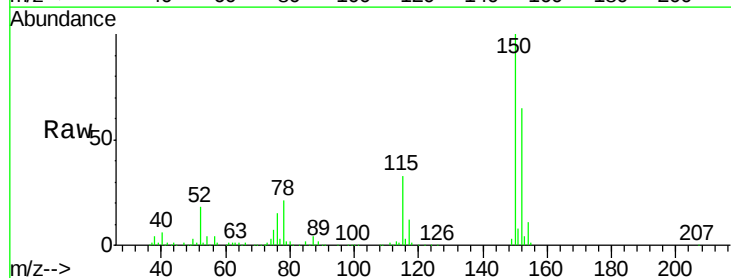
Tgt Ion:152 Resp: 100641

Ion Ratio Lower Upper

152 100

115 51.3 24.3 72.8

150 153.5 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

