

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062106.D
 Acq On : 23 Mar 2019 4:53
 Operator : VA/AP
 Sample : K2058-07
 Misc : 6.70g/5mL/MSVOA-F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S3B(19)

Quant Time: Mar 23 06:38:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	224554	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	366707	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	312906	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	169816	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	85477	51.18	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 102.36%
35) Dibromofluoromethane	4.13	113	120421	48.54	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 97.08%
50) Toluene-d8	7.57	98	332615	44.92	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 89.84%
62) 4-Bromofluorobenzene	11.42	95	135868	47.53	ug/l	-0.01
Spiked Amount				50.000		
Recovery						= 95.06%

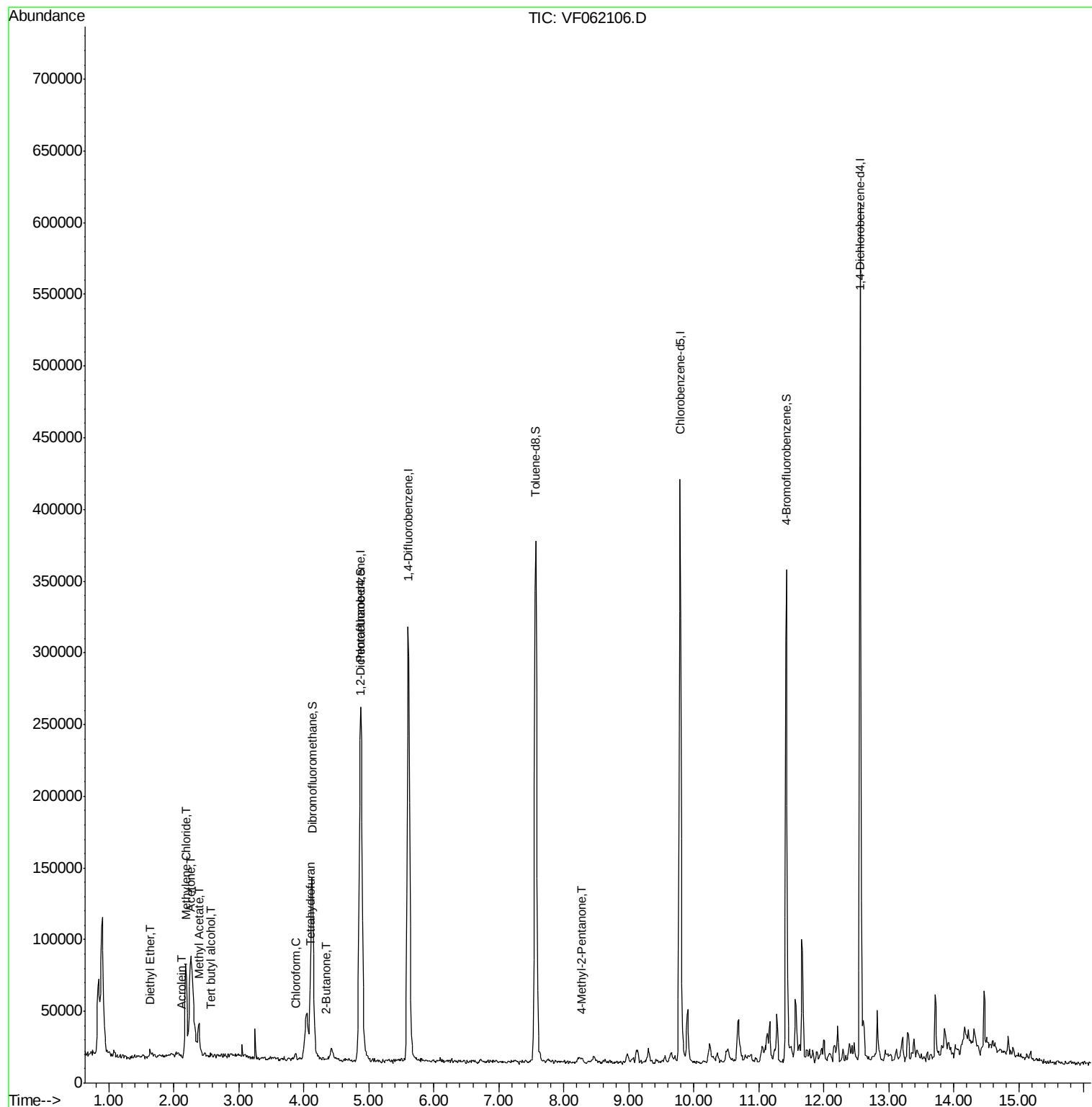
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.64	74	1910	2.487	ug/l	56
11) Tert butyl alcohol	2.58	59	141	1.534	ug/l #	66
13) Acrolein	2.13	56	360	3.258	ug/l	86
16) Acetone	2.25	43	20188	57.429	ug/l #	84
18) Methyl Acetate	2.39	43	6842	8.159	ug/l #	56
20) Methylene Chloride	2.19	84	32062	12.778	ug/l	92
25) 2-Butanone	4.35	43	1732	2.360	ug/l #	55
29) Tetrahydrofuran	4.09	42	1232	3.861	ug/l #	70
30) Chloroform	3.87	83	4965	1.293	ug/l	99
51) 4-Methyl-2-Pentanone	8.28	43	2972	2.402	ug/l #	75

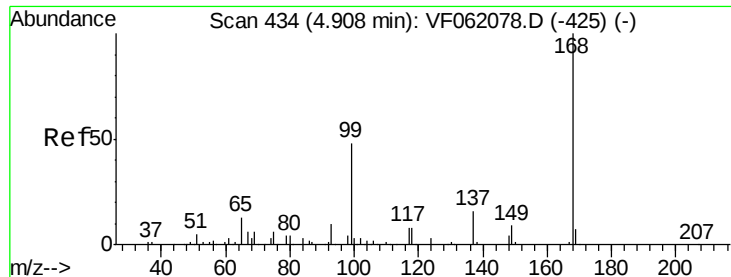
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
Data File : VF062106.D
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Operator : VA/AP
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S3B(19)

Quant Time: Mar 23 06:38:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

Instrument :

MSVOA_F

ClientSampleId :

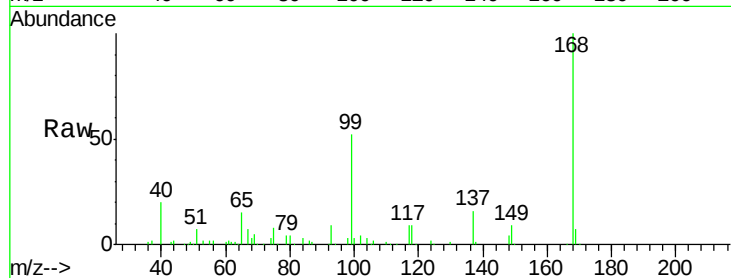
S3B(19)

Tot Ion:168 Resp: 224554

Ion Ratio Lower Upper

168 100

99 52.5 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

80000

60000

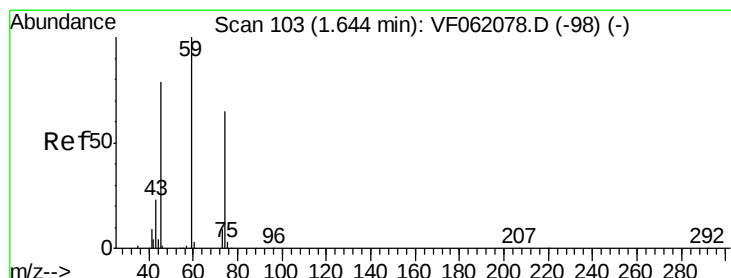
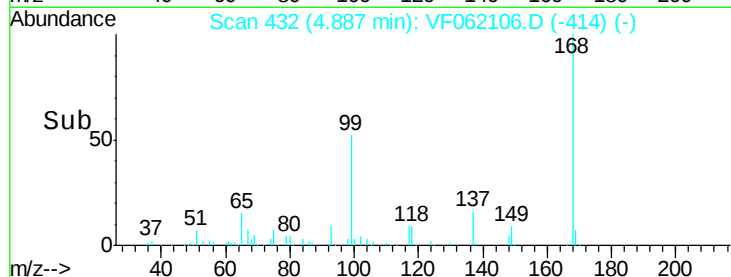
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 2.487 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF062106.D

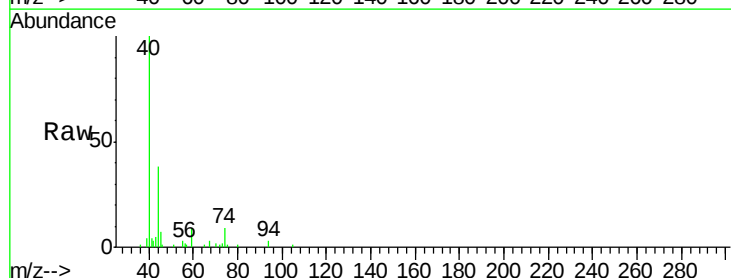
Acq: 23 Mar 2019 4:53

Tgt Ion: 74 Resp: 1910

Ion Ratio Lower Upper

74 100

45 73.7 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.64

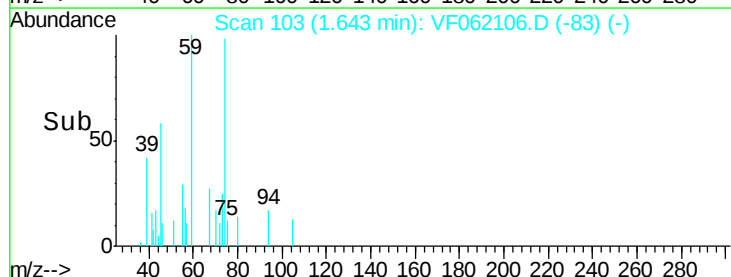
1000

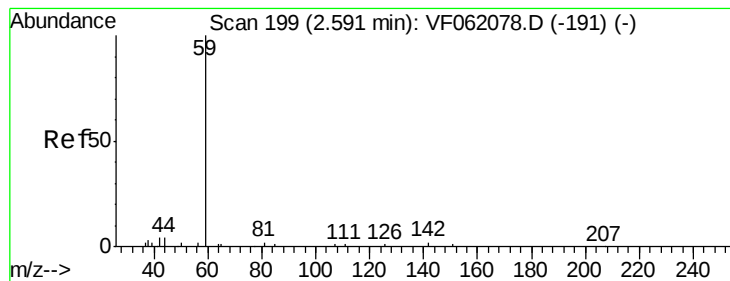
500

0

Time-->

1.55 1.60 1.65 1.70



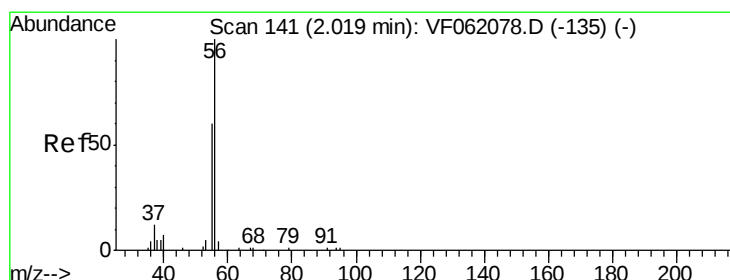
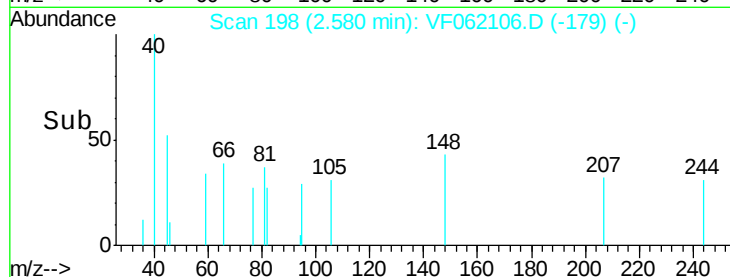
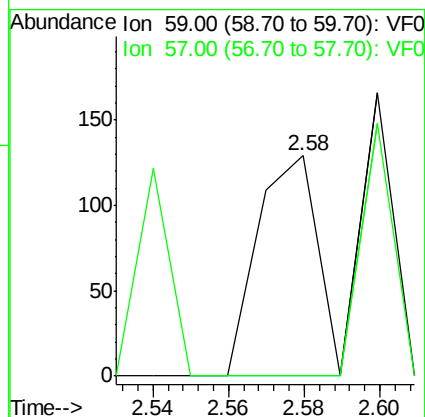
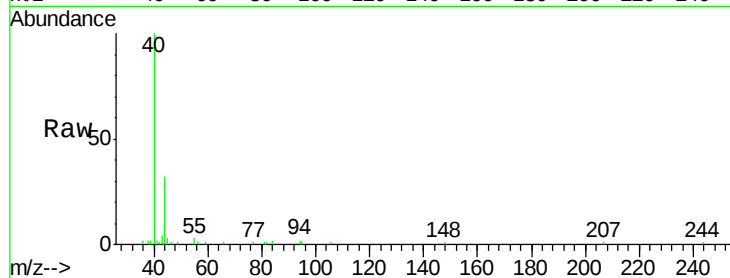


#11

Tert butyl alcohol
Concen: 1.534 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.01 min
Lab File: VF062106.D
Acq: 23 Mar 2019 4:53

Instrument :
MSVOA_F
ClientSampleId :
S3B(19)

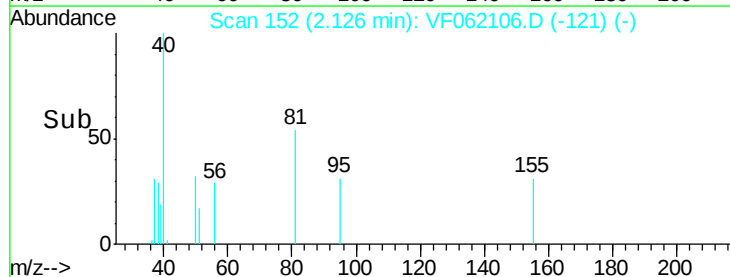
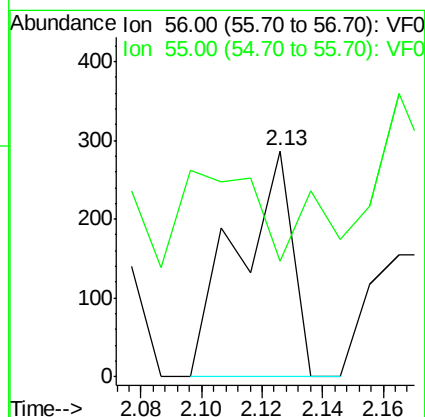
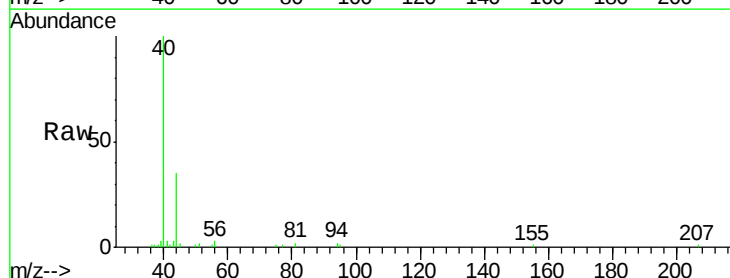
Tot Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 11.0 16.4#

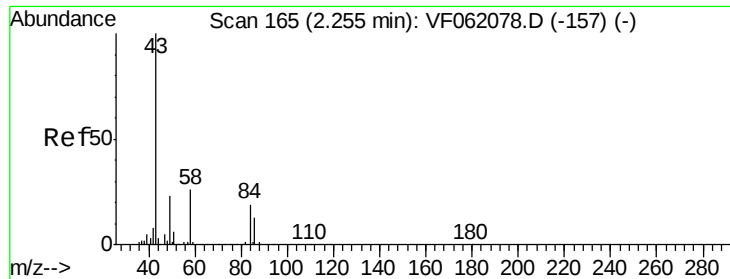


#13

Acrolein
Concen: 3.258 ug/l
RT: 2.13 min Scan# 152
Delta R.T. 0.11 min
Lab File: VF062106.D
Acq: 23 Mar 2019 4:53

Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 50.9 49.0 73.4





#16

Acetone

Concen: 57.429 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

Instrument :

MSVOA_F

ClientSampleId :

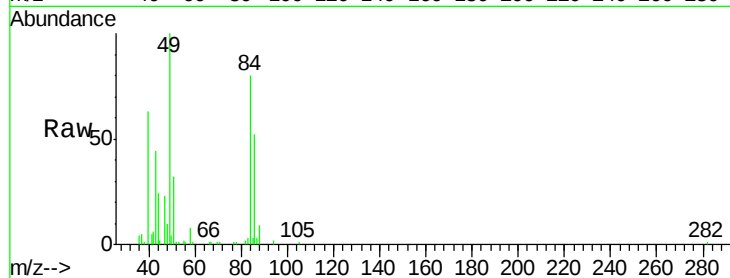
S3B(19)

Tot Ion: 43 Resp: 20188

Ion Ratio Lower Upper

43 100

58 17.8 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

6000

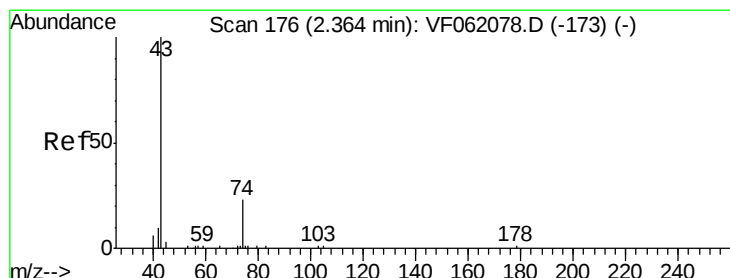
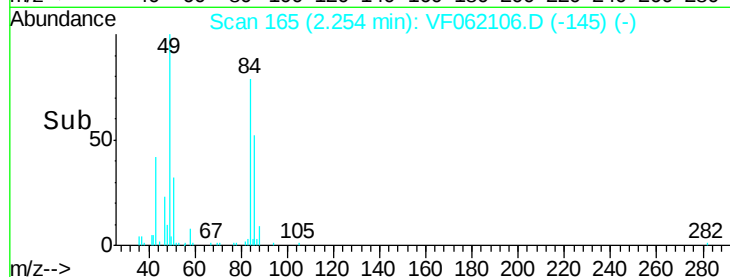
4000

2000

0

2.20 2.30 2.40

Time-->



#18

Methyl Acetate

Concen: 8.159 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.03 min

Lab File: VF062106.D

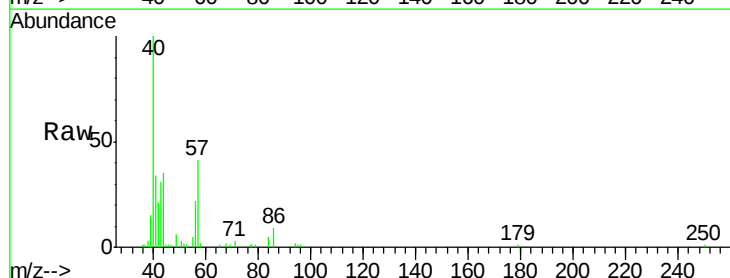
Acq: 23 Mar 2019 4:53

Tgt Ion: 43 Resp: 6842

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.39

4000

3000

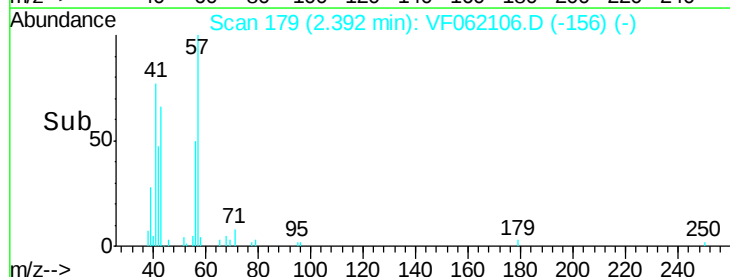
2000

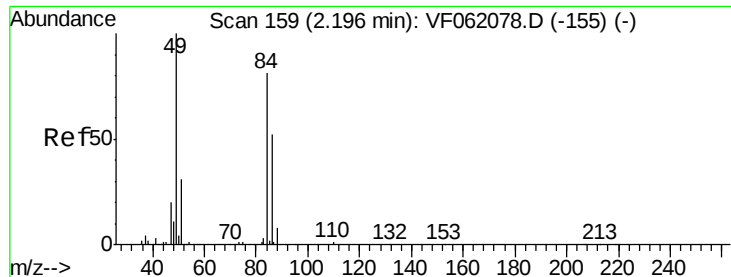
1000

0

2.35 2.40 2.45

Time-->

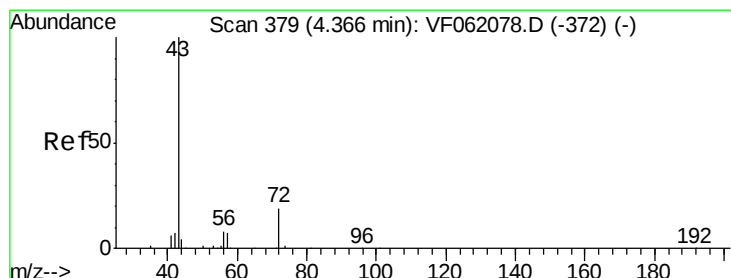
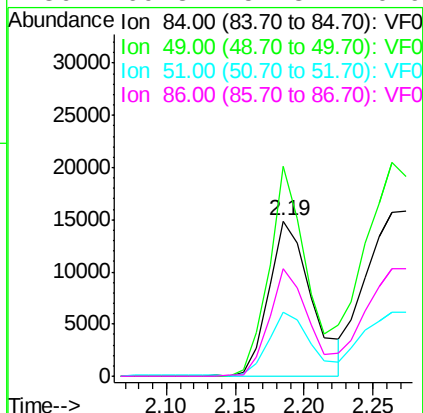
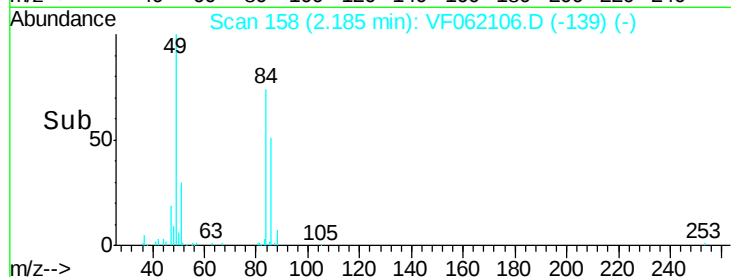
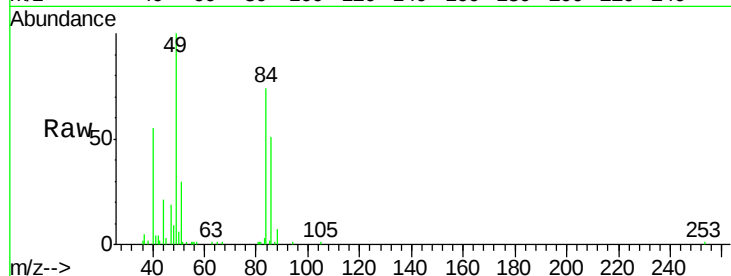




#20
Methvlene Chloride
Concen: 12.778 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062106.D
Acq: 23 Mar 2019 4:53

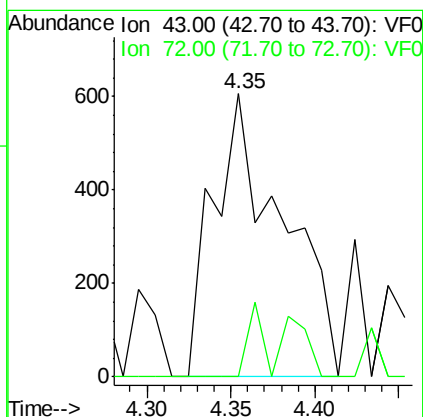
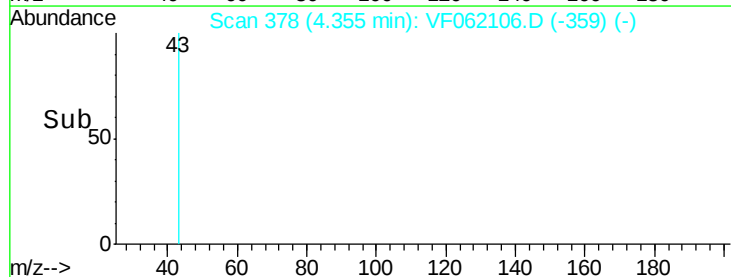
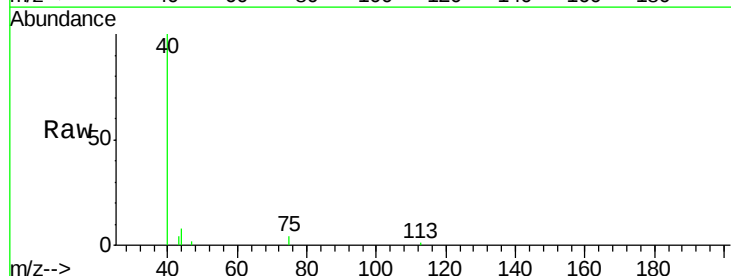
Instrument :
MSVOA_F
ClientSampleId :
S3B(19)

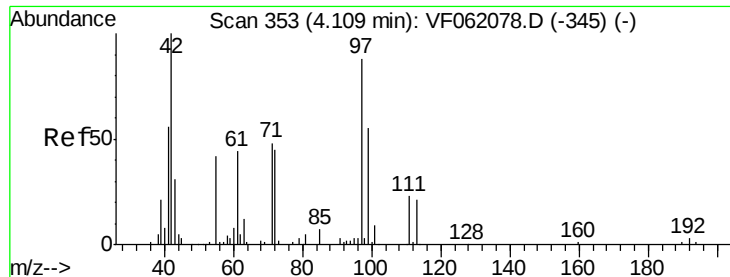
Tot Ion: 84 Resp: 32062
Ion Ratio Lower Upper
84 100
49 135.8 100.4 150.6
51 41.3 31.0 46.6
86 69.3 51.3 76.9



#25
2-Butanone
Concen: 2.360 ug/l
RT: 4.35 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062106.D
Acq: 23 Mar 2019 4:53

Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#





#29

Tetrahydrofuran

Concen: 3.861 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

Instrument :

MSVOA_F

ClientSampleId :

S3B(19)

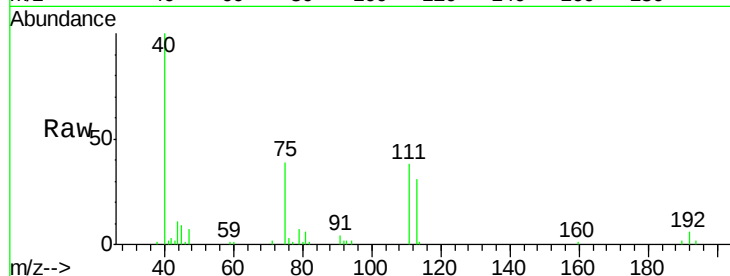
Tot Ion: 42 Resp: 1232

Ion Ratio Lower Upper

42 100

72 10.9 33.3 49.9#

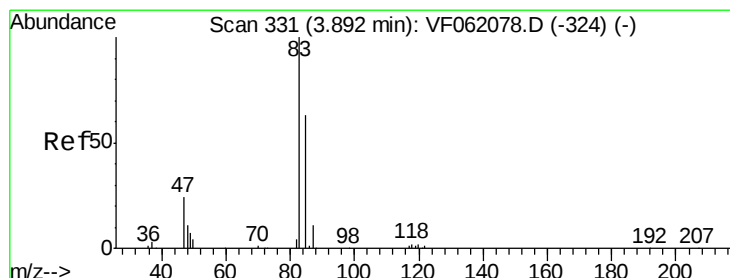
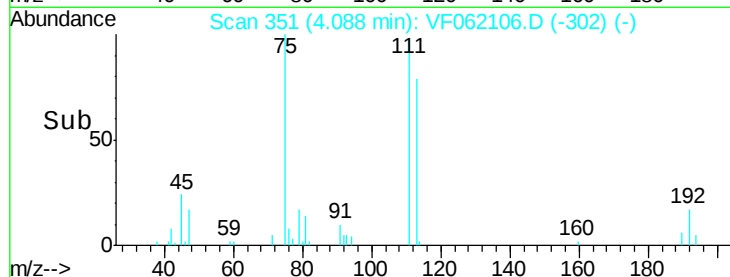
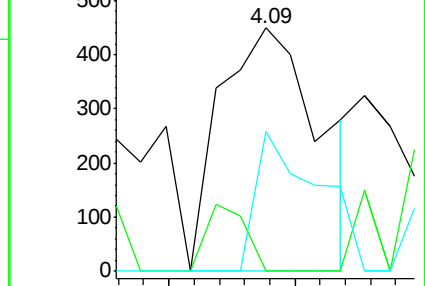
71 36.3 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 1.293 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.02 min

Lab File: VF062106.D

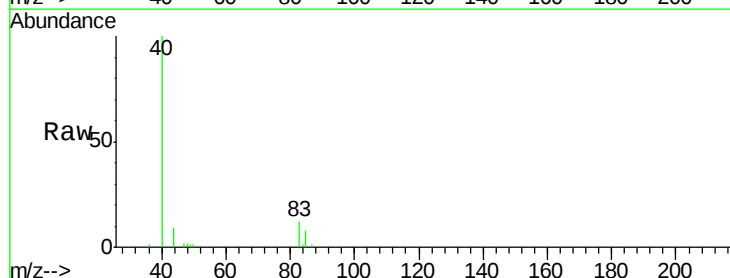
Acq: 23 Mar 2019 4:53

Tgt Ion: 83 Resp: 4965

Ion Ratio Lower Upper

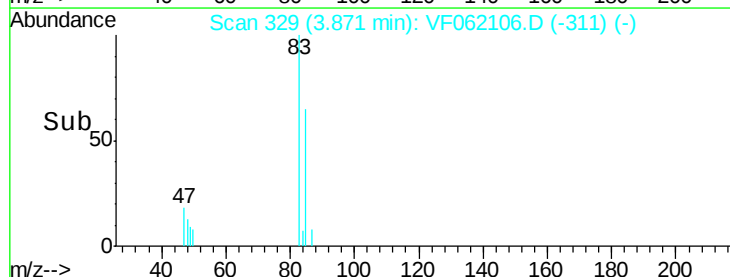
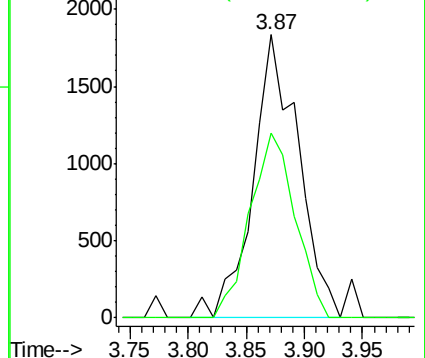
83 100

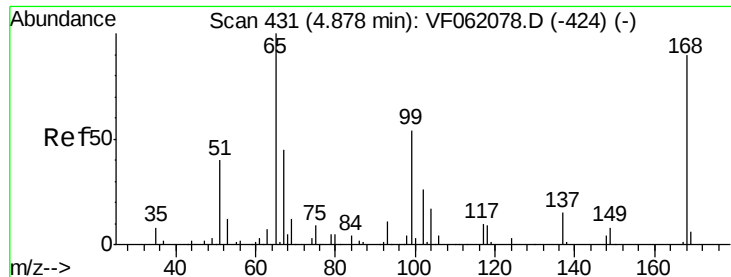
85 65.5 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 51.176 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

Instrument :

MSVOA_F

ClientSampleId :

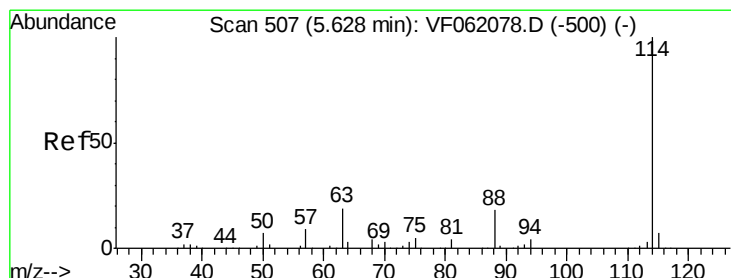
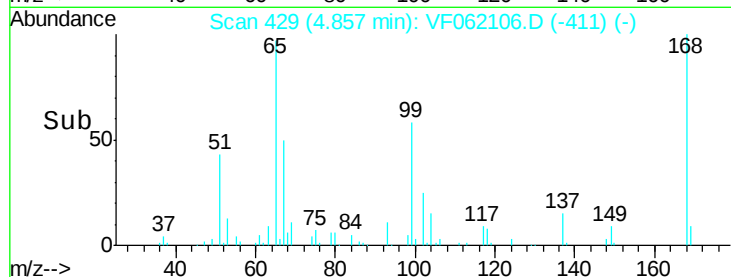
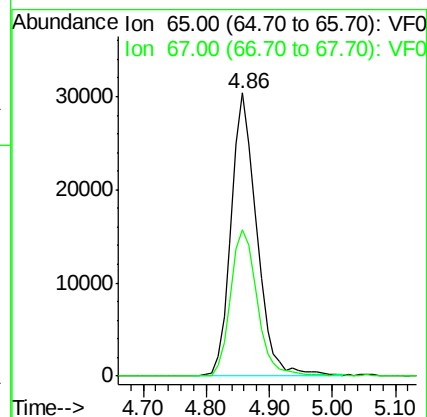
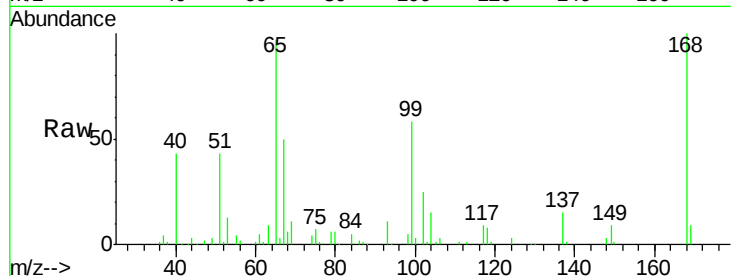
S3B(19)

Tot Ion: 65 Resp: 85477

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.02 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

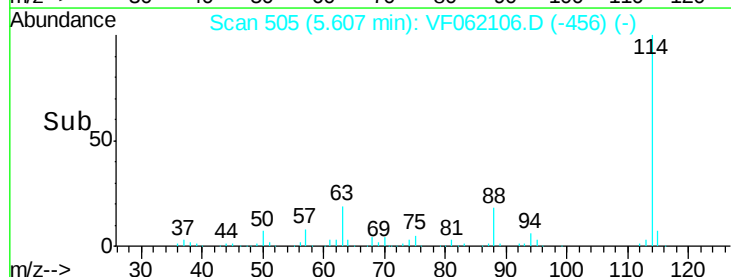
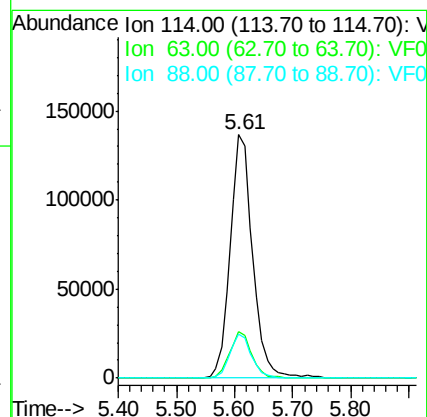
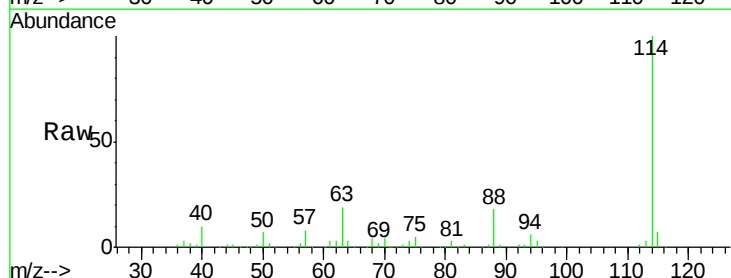
Tgt Ion: 114 Resp: 366707

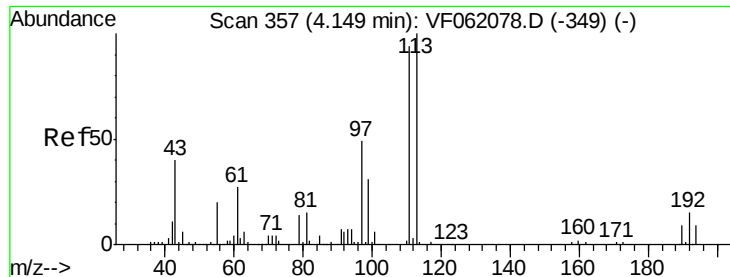
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.8

88 18.1 0.0 36.4

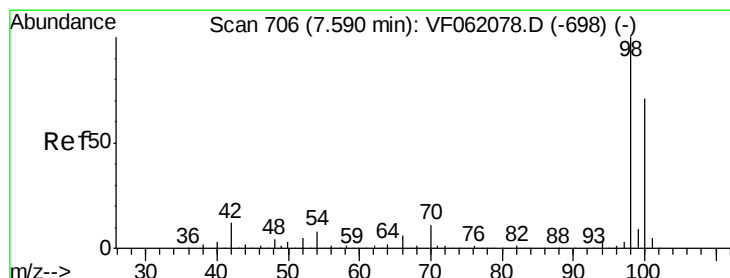
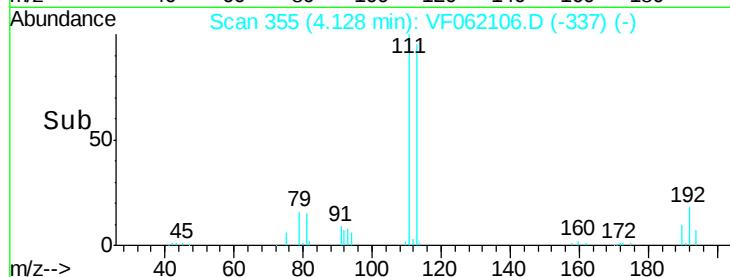
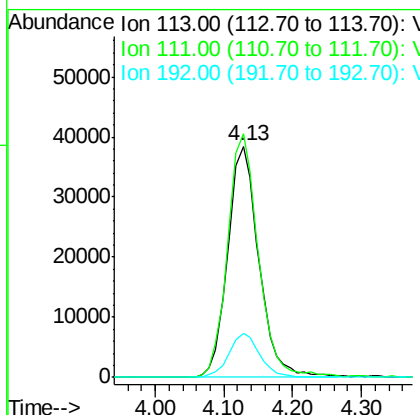
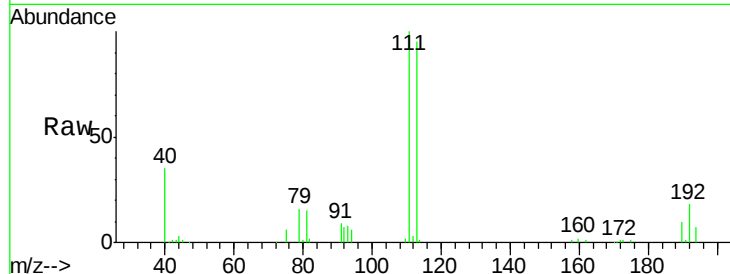




#35
 Dibromofluoromethane
 Concen: 48.545 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VF062106.D
 Acq: 23 Mar 2019 4:53

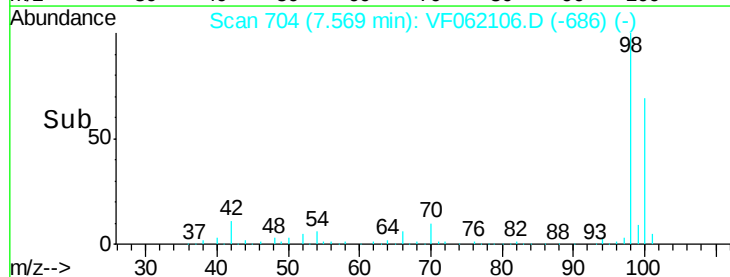
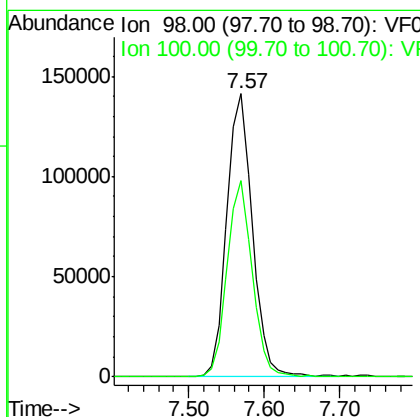
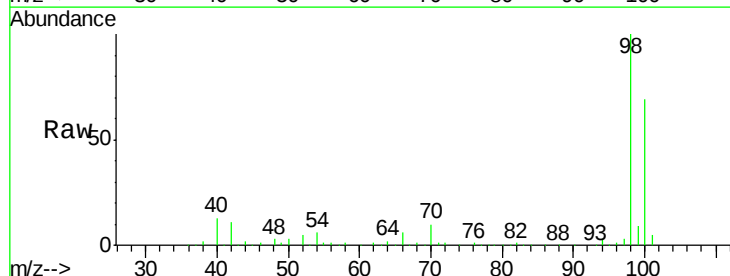
Instrument :
 MSVOA_F
 ClientSampleId :
 S3B(19)

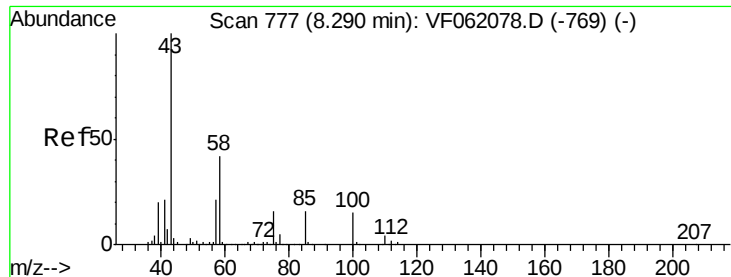
Tot Ion:113 Resp: 120421
 Ion Ratio Lower Upper
 113 100
 111 105.3 75.4 113.0
 192 19.2 12.3 18.5#



#50
 Toluene-d8
 Concen: 44.919 ug/l
 RT: 7.57 min Scan# 704
 Delta R.T. -0.02 min
 Lab File: VF062106.D
 Acq: 23 Mar 2019 4:53

Tgt Ion: 98 Resp: 332615
 Ion Ratio Lower Upper
 98 100
 100 69.3 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 2.402 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

Instrument :

MSVOA_F

ClientSampleId :

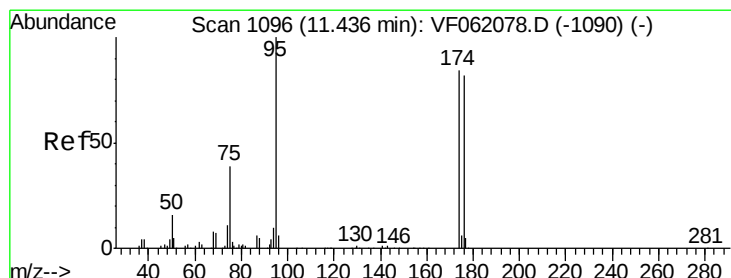
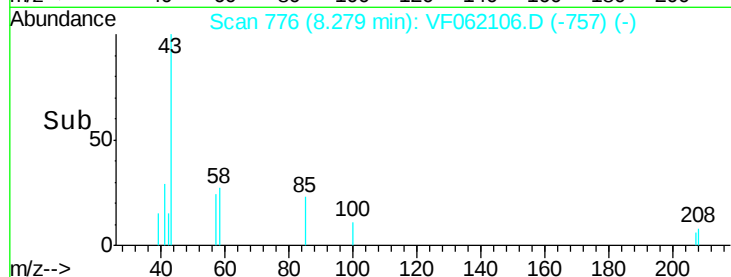
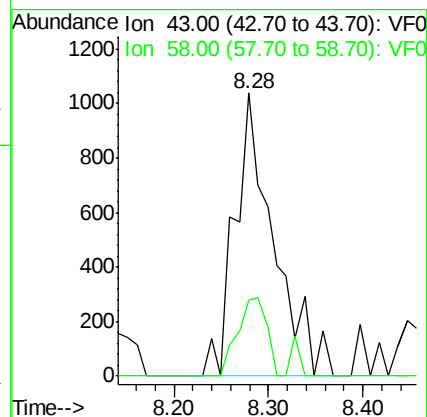
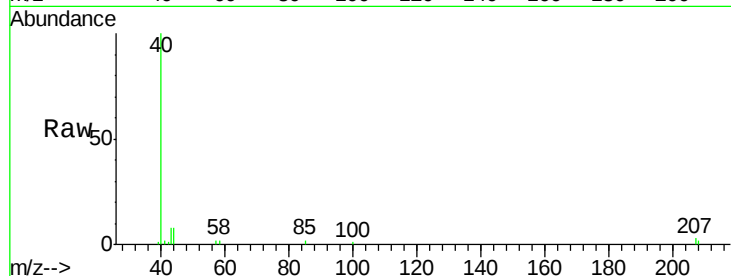
S3B(19)

Tot Ion: 43 Resp: 2972

Ion Ratio Lower Upper

43 100

58 26.7 33.8 50.8#



#62

4-Bromofluorobenzene

Concen: 47.529 ug/l

RT: 11.42 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

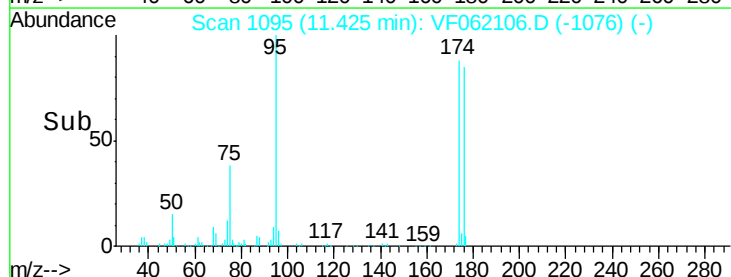
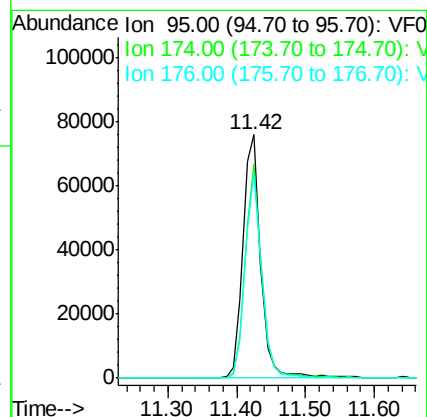
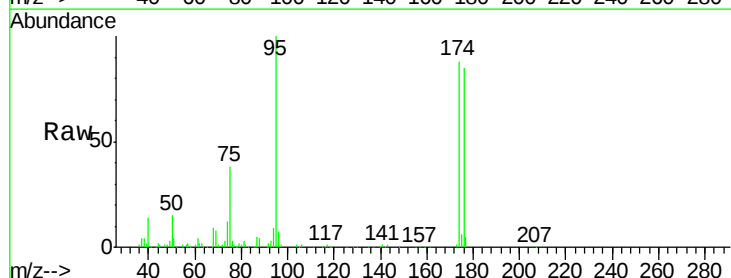
Tgt Ion: 95 Resp: 135868

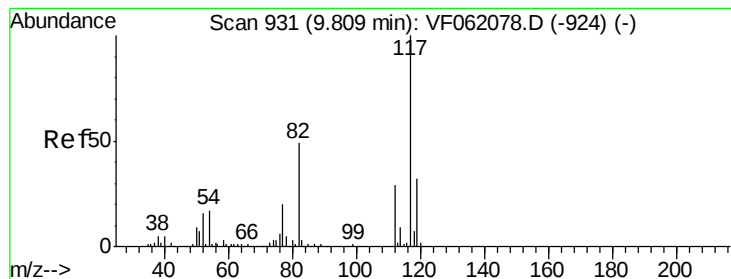
Ion Ratio Lower Upper

95 100

174 88.0 0.0 168.2

176 84.5 0.0 164.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.02 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

Instrument :

MSVOA_F

ClientSampleId :

S3B(19)

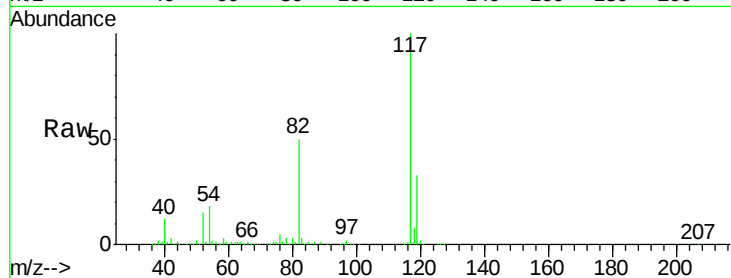
Tot Ion:117 Resp: 312906

Ion Ratio Lower Upper

117 100

82 49.6 39.2 58.8

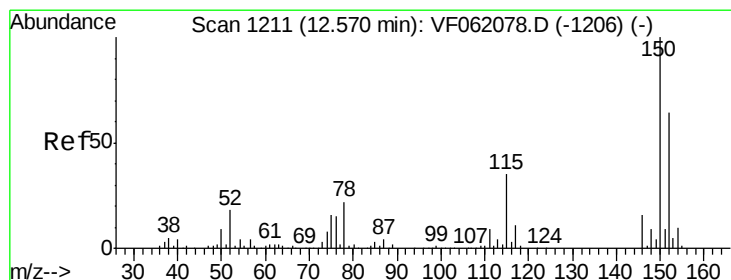
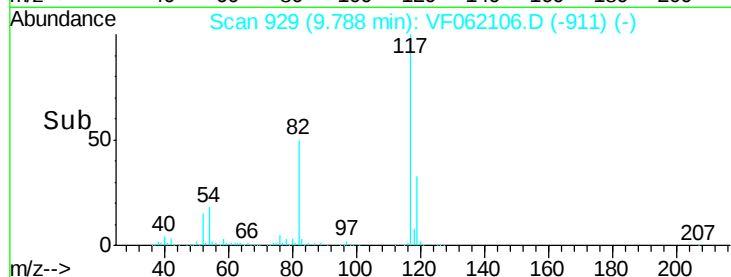
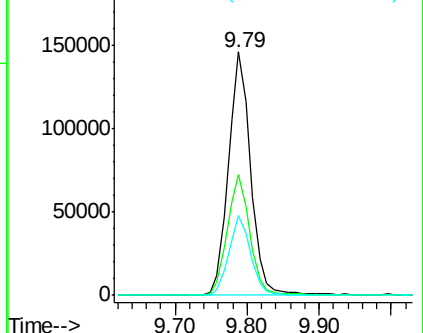
119 32.6 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF062106.D

Acq: 23 Mar 2019 4:53

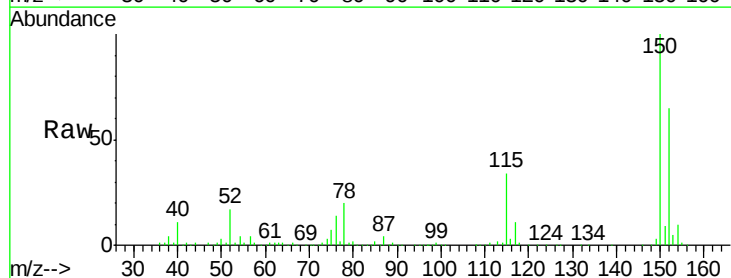
Tgt Ion:152 Resp: 169816

Ion Ratio Lower Upper

152 100

115 52.7 27.7 83.1

150 154.8 0.0 313.2



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

