

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060622.D
 Acq On : 6 Nov 2018 19:50
 Operator : VA/AP
 Sample : J5819-03
 Misc : 3.43g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BES48_SB01_1-1.5

Quant Time: Nov 07 12:04:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

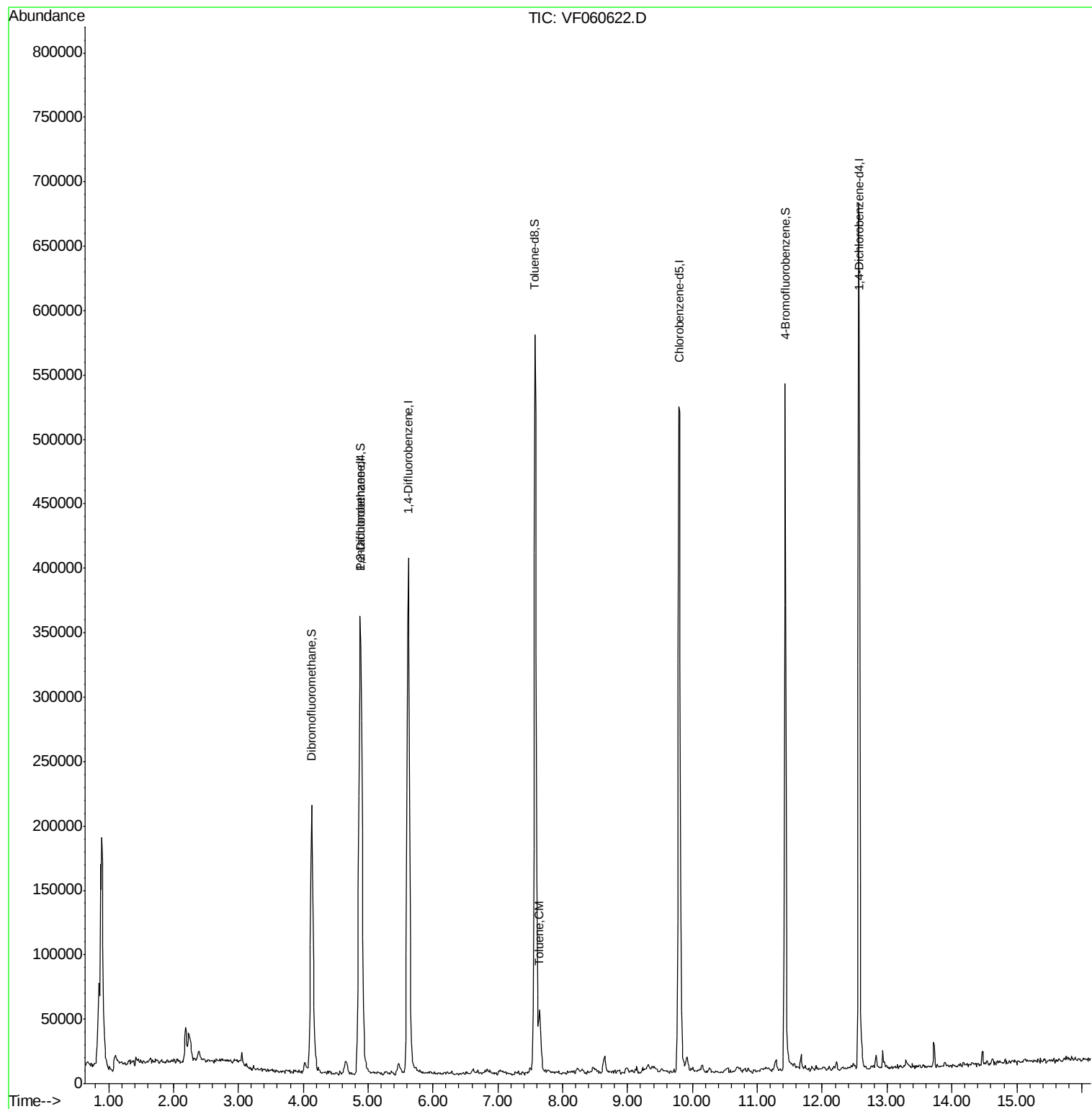
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	270511	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	472267	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	404064	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	168690	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	153199	56.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	112.10%	
35) Dibromofluoromethane	4.13	113	195725	53.64	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.28%	
50) Toluene-d8	7.57	98	490517	45.38	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.76%	
62) 4-Bromofluorobenzene	11.43	95	201727	42.67	ug/l	0.01
Spiked Amount 50.000			Recovery	=	85.34%	
Target Compounds						
52) Toluene	7.64	92	25852	3.144	ug/l	Qvalue 97

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

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Instrument :

MSVOA_F

ClientSampleId :

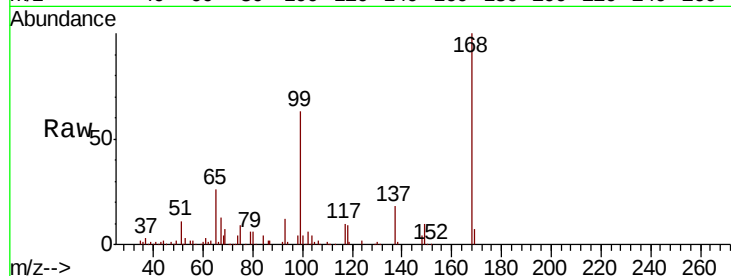
BES48_SB01_1-1.5

Tot Ion:168 Resp: 270511

Ion Ratio Lower Upper

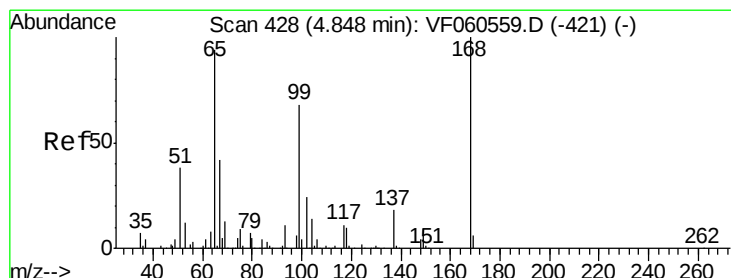
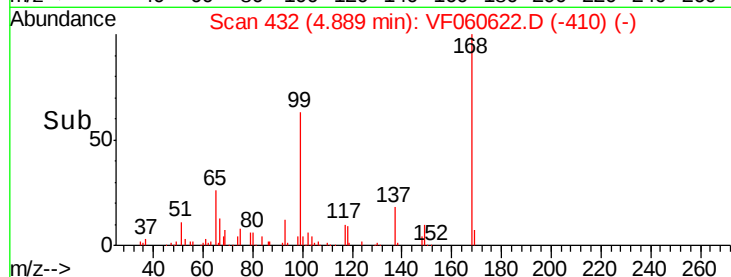
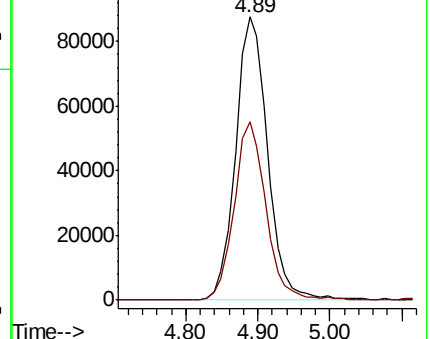
168 100

99 62.9 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 56.052 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.02 min

Lab File: VF060622.D

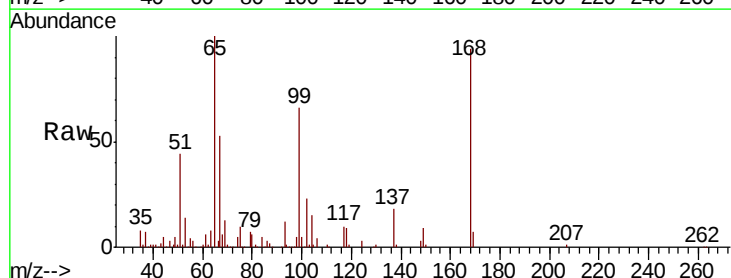
Acq: 6 Nov 2018 19:50

Tgt Ion: 65 Resp: 153199

Ion Ratio Lower Upper

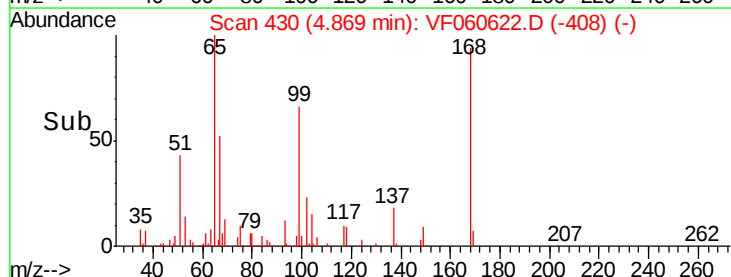
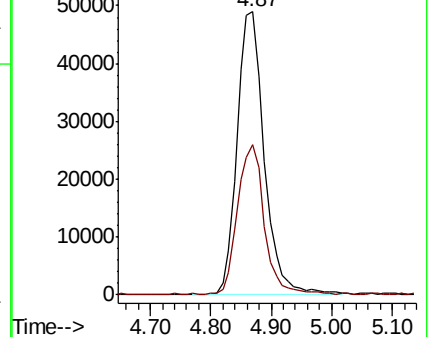
65 100

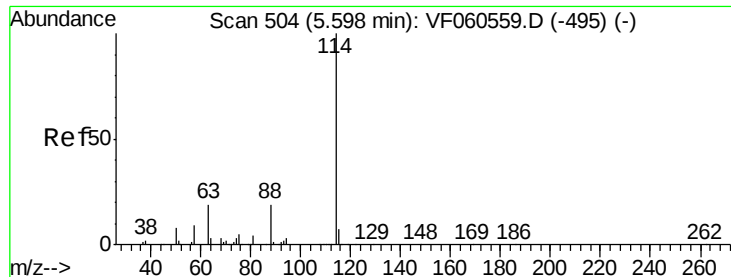
67 53.0 0.0 101.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. 0.02 min

Lab File: VF060622.D

Acq: 6 Nov 2018 19:50

Instrument :

MSVOA_F

ClientSampleId :

BES48_SB01_1-1.5

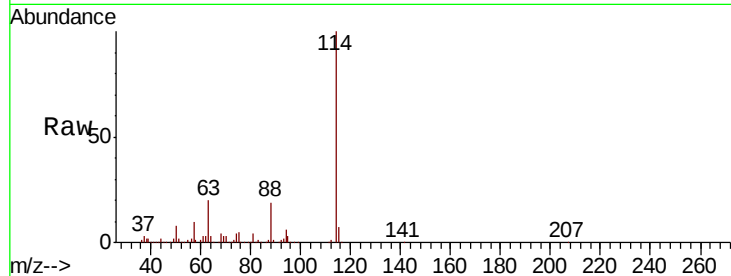
Tot Ion:114 Resp: 472267

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

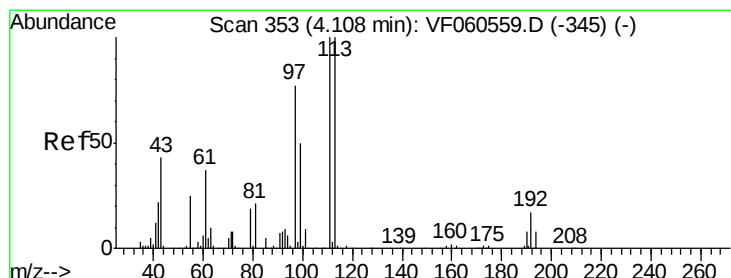
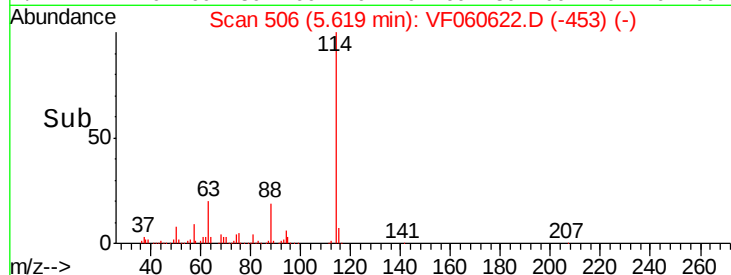
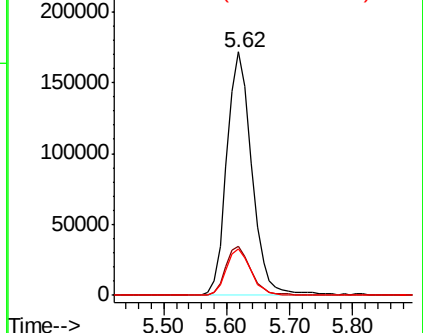
88 19.2 0.0 38.2



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: 53.642 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF060622.D

Acq: 6 Nov 2018 19:50

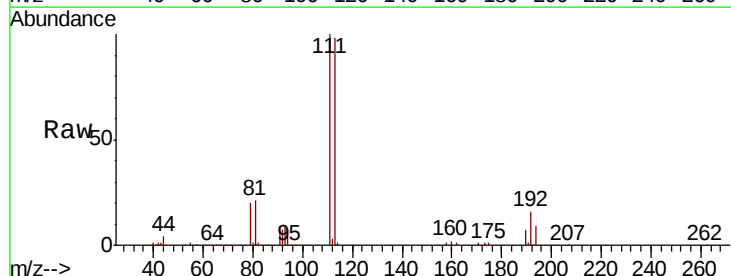
Tgt Ion:113 Resp: 195725

Ion Ratio Lower Upper

113 100

111 101.9 79.9 119.9

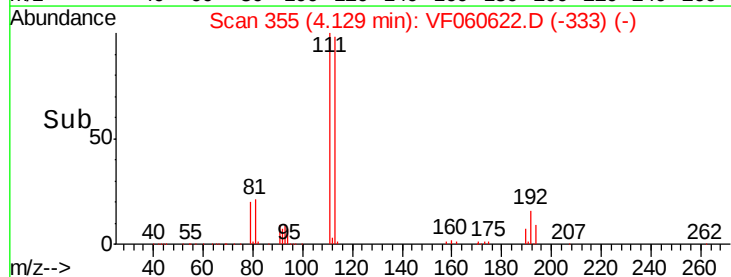
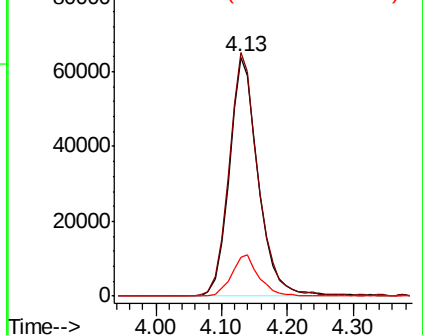
192 16.4 13.3 19.9



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: 45.382 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF060622.D

Acq: 6 Nov 2018 19:50

Instrument :

MSVOA_F

ClientSampleId :

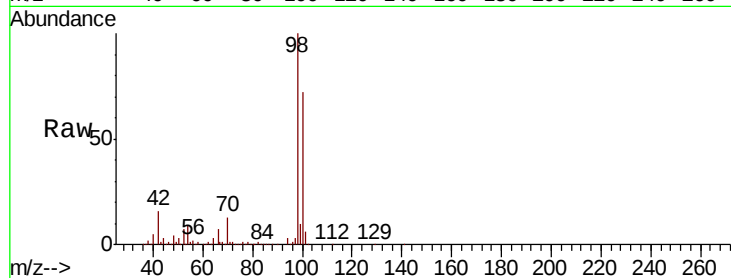
BES48_SB01_1-1.5

Tot Ion: 98 Resp: 490517

Ion Ratio Lower Upper

98 100

100 71.9 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.57

200000

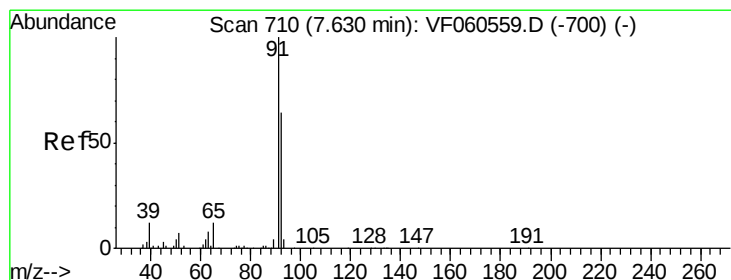
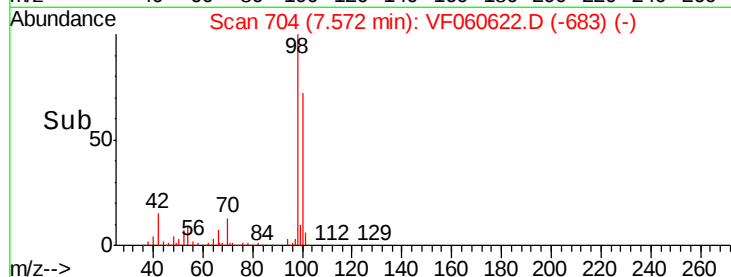
150000

100000

50000

0

Time--> 7.40 7.50 7.60 7.70 7.80



#52

Toluene

Concen: 3.144 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF060622.D

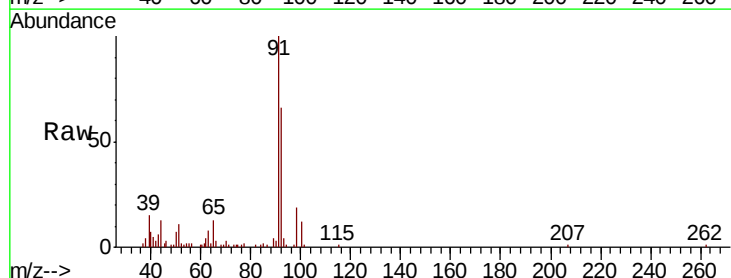
Acq: 6 Nov 2018 19:50

Tgt Ion: 92 Resp: 25852

Ion Ratio Lower Upper

92 100

91 152.1 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

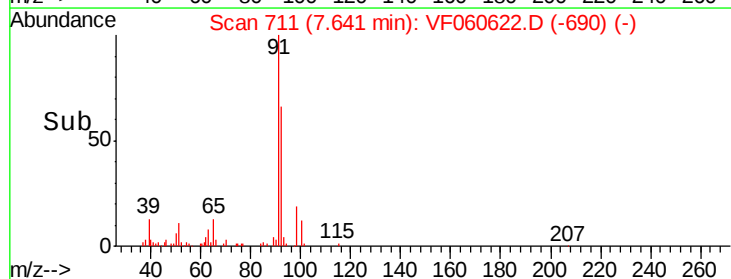
15000

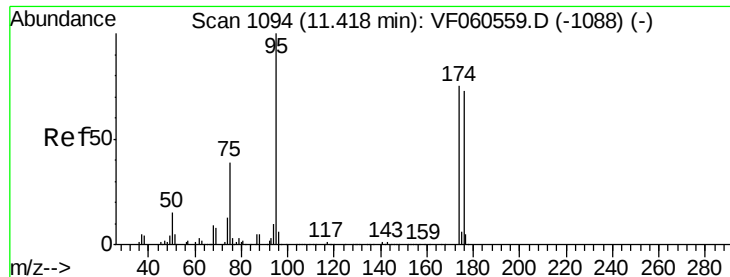
10000

5000

0

Time--> 7.50 7.60 7.70 7.80





#62

4-Bromofluorobenzene

Concen: 42.668 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF060622.D

Acq: 6 Nov 2018 19:50

Instrument :

MSVOA_F

ClientSampleId :

BES48_SB01_1-1.5

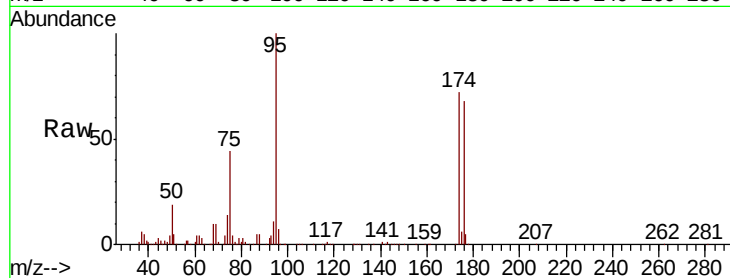
Tot Ion: 95 Resp: 201727

Ion Ratio Lower Upper

95 100

174 72.3 0.0 149.0

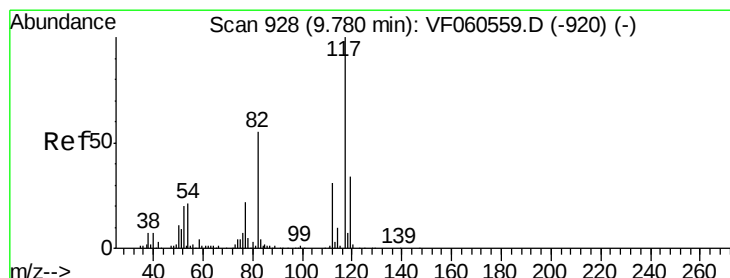
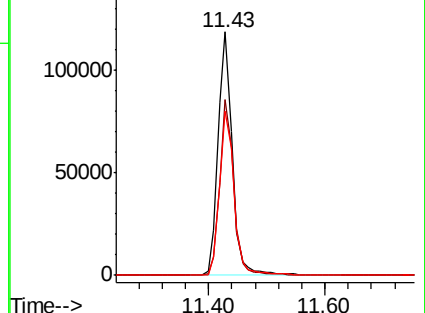
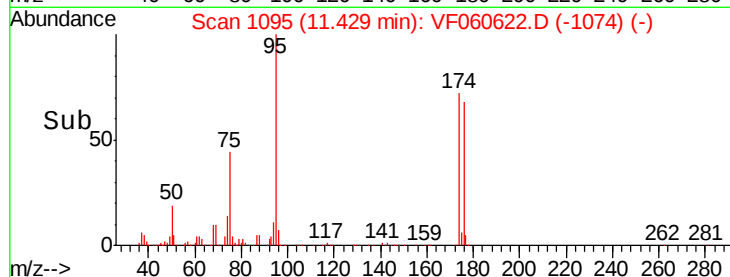
176 67.7 0.0 145.6



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: 9.80 min Scan# 930

Delta R.T. 0.02 min

Lab File: VF060622.D

Acq: 6 Nov 2018 19:50

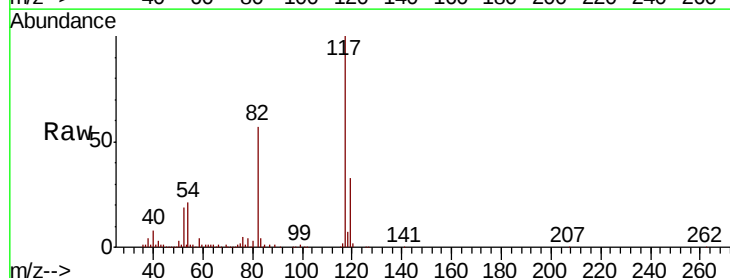
Tgt Ion: 117 Resp: 404064

Ion Ratio Lower Upper

117 100

82 56.7 43.9 65.9

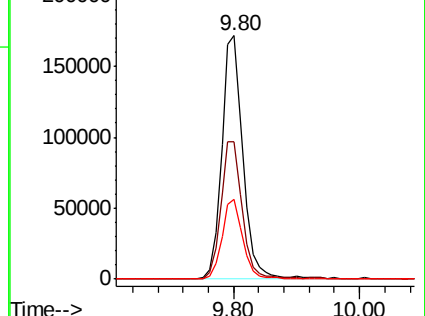
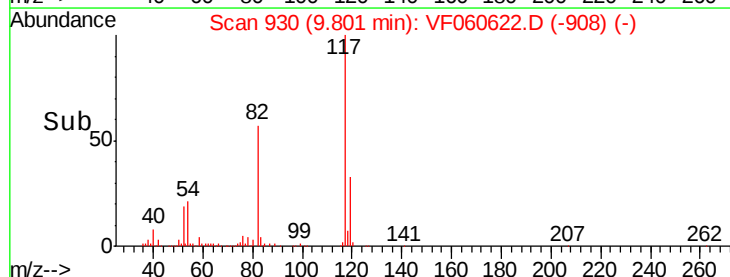
119 32.6 27.4 41.0

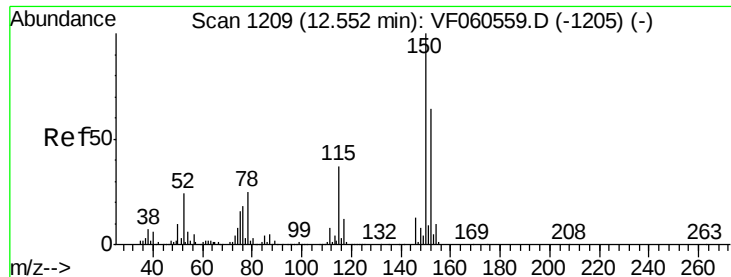


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF060622.D

Acq: 6 Nov 2018 19:50

Instrument :

MSVOA_F

ClientSampleId :

BES48_SB01_1-1.5

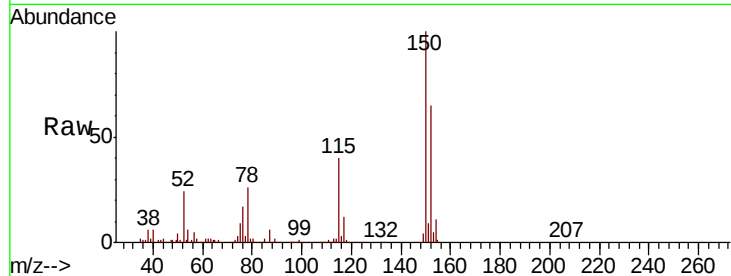
Tot Ion:152 Resp: 168690

Ion Ratio Lower Upper

152 100

115 62.0 29.6 88.8

150 153.7 0.0 315.6



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

