

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060956.D
 Acq On : 10 Dec 2018 16:25
 Operator : VA/AP
 Sample : J6327-02
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 STOCK-PILE

Quant Time: Dec 11 06:22:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

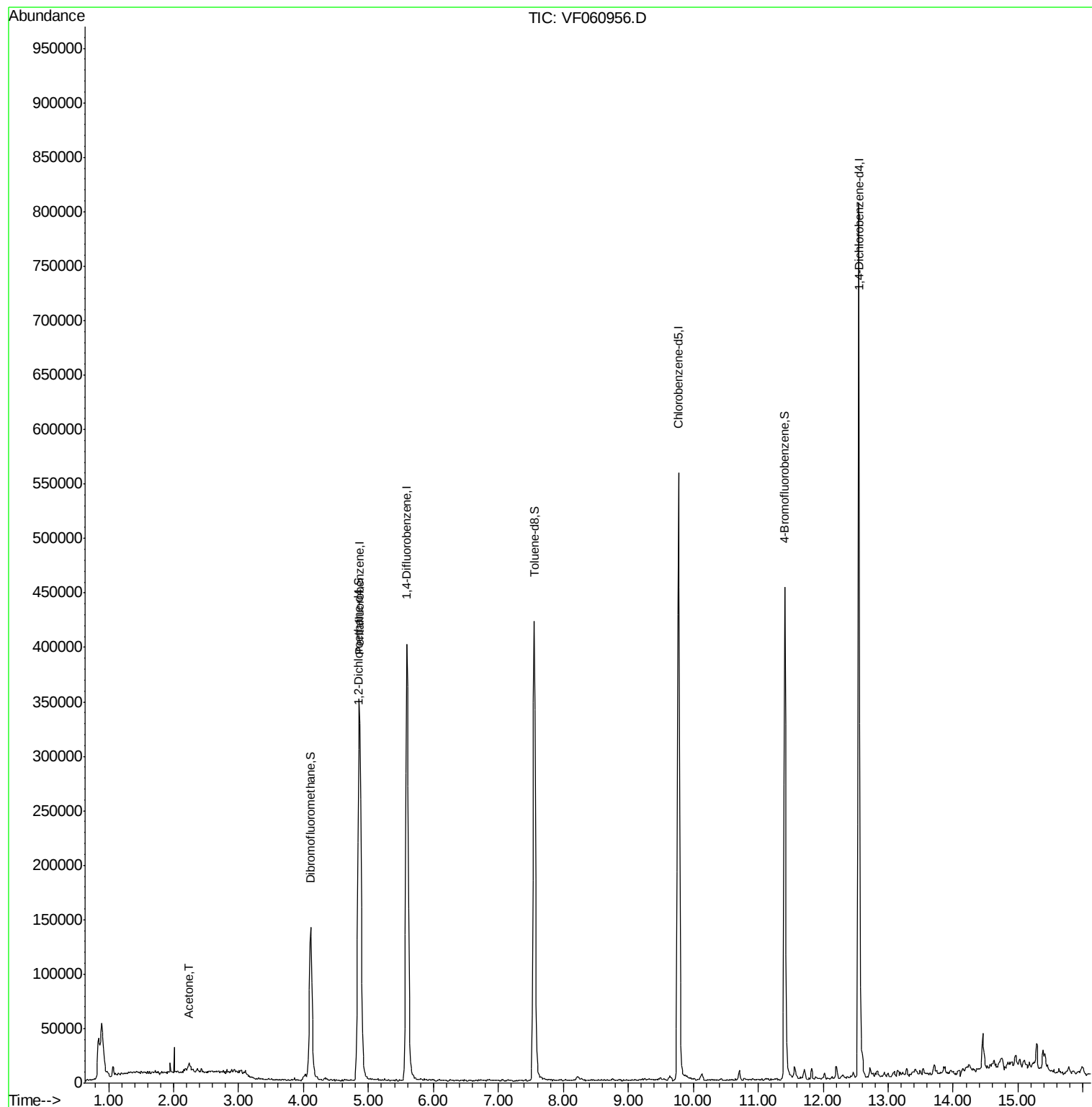
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	282239	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	437358	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	397270	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	214350	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	111528	33.54	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	67.08%	
35) Dibromofluoromethane	4.11	113	138212	39.83	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	79.66%	
50) Toluene-d8	7.55	98	355563	34.79	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	69.58%	
62) 4-Bromofluorobenzene	11.41	95	169365	36.46	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	72.92%	
Target Compounds						
16) Acetone	2.23	43	9547	15.571	ug/l	Qvalue 96

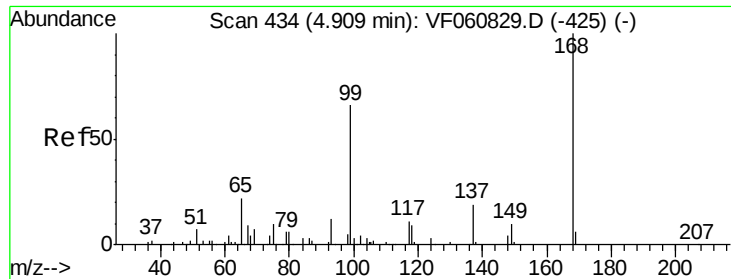
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060956.D

Acq: 10 Dec 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

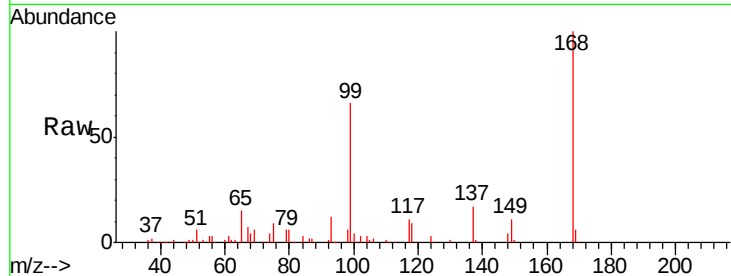
STOCK-PILE

Tgt Ion:168 Resp: 282239

Ion Ratio Lower Upper

168 100

99 65.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

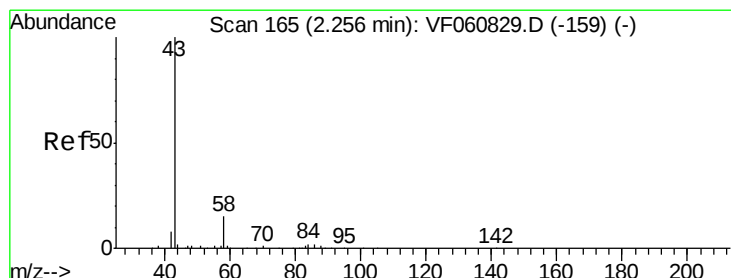
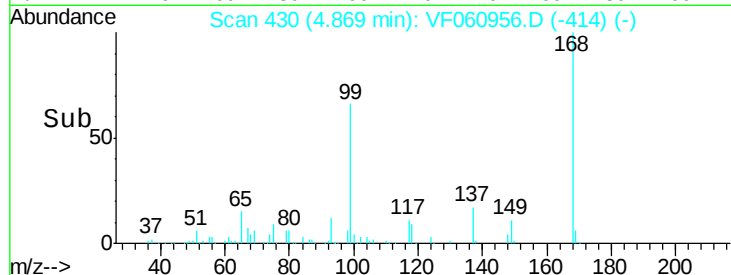
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 15.571 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060956.D

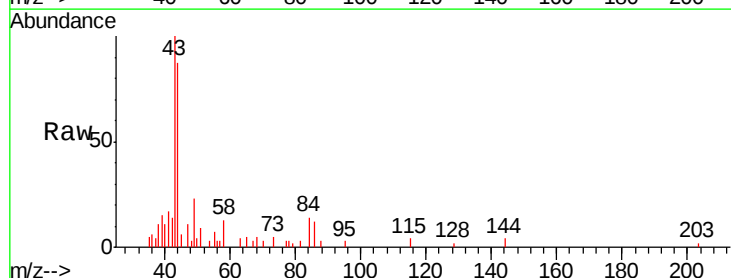
Acq: 10 Dec 2018 16:25

Tgt Ion: 43 Resp: 9547

Ion Ratio Lower Upper

43 100

58 12.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

5000

4000

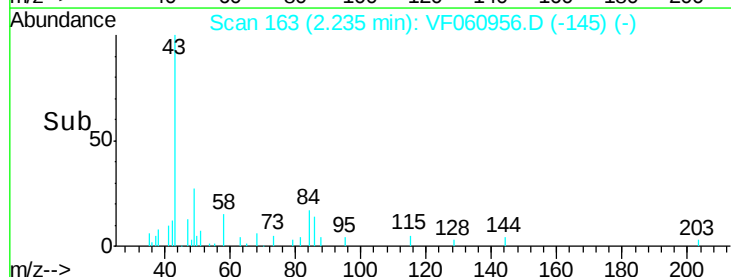
3000

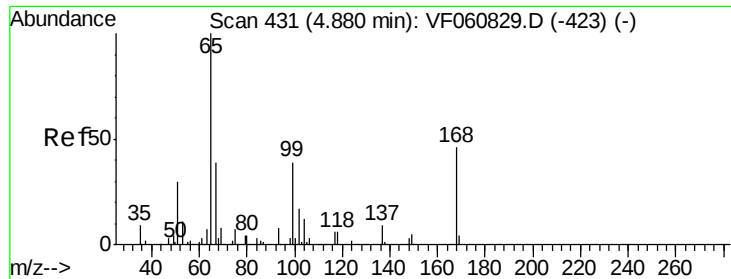
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 33.544 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060956.D

Acq: 10 Dec 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

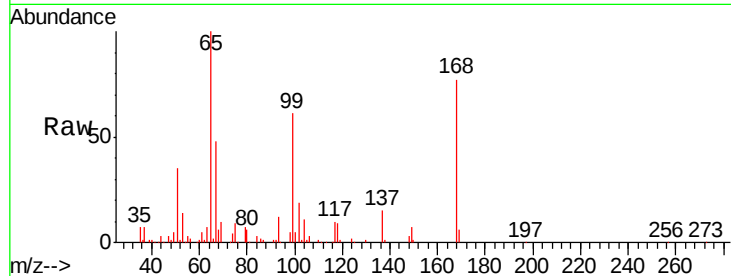
STOCK-PILE

Tgt Ion: 65 Resp: 111528

Ion Ratio Lower Upper

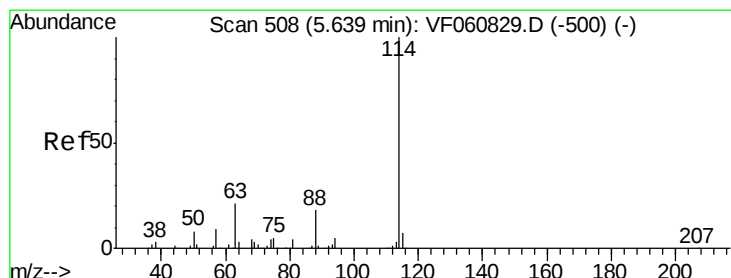
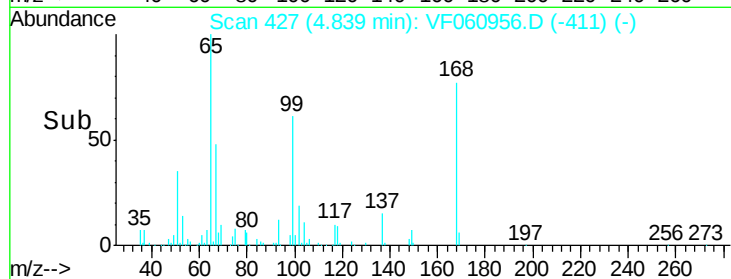
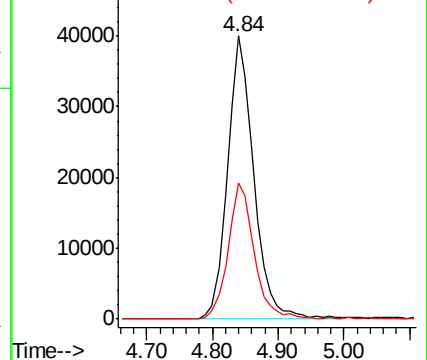
65 100

67 47.9 0.0 96.4



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: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060956.D

Acq: 10 Dec 2018 16:25

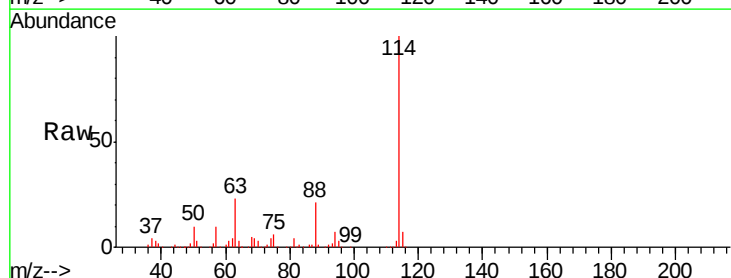
Tgt Ion: 114 Resp: 437358

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.6

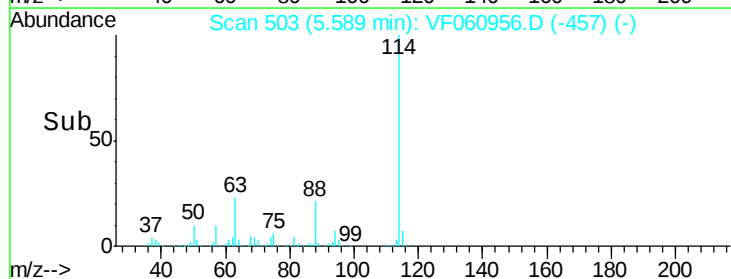
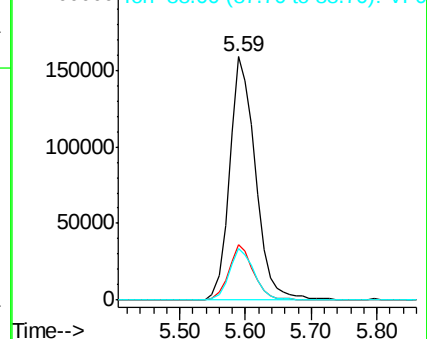
88 21.1 0.0 36.6

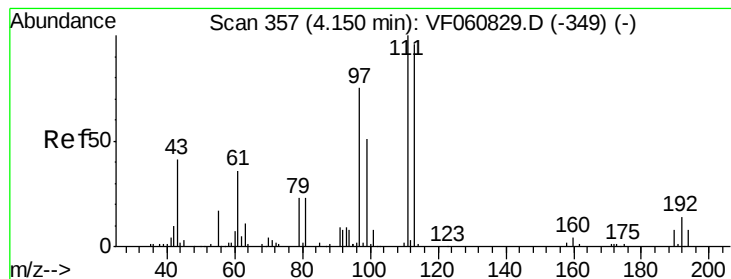


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 39.834 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060956.D

Acq: 10 Dec 2018 16:25

Instrument :
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STOCK-PILE

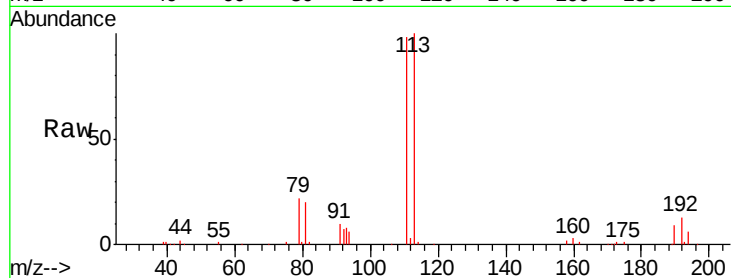
Tgt Ion: 113 Resp: 138212

Ion Ratio Lower Upper

113 100

111 98.0 83.0 124.6

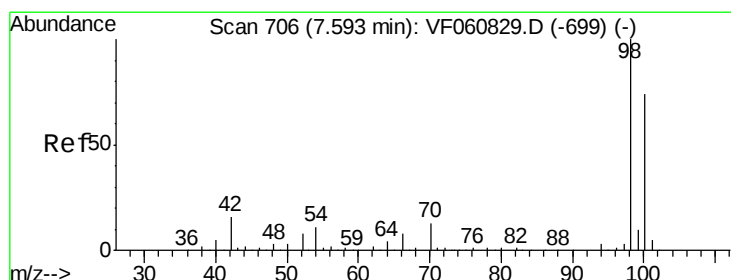
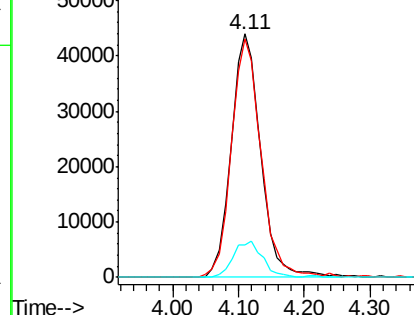
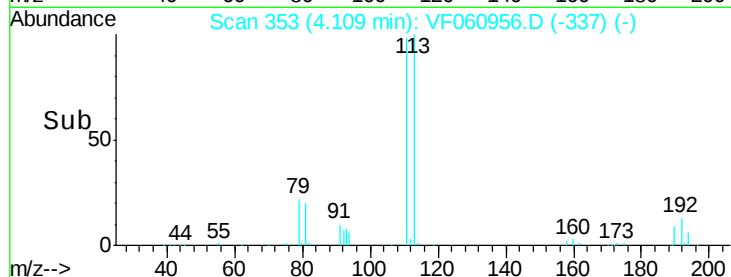
192 13.3 12.3 18.5



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: 34.789 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060956.D

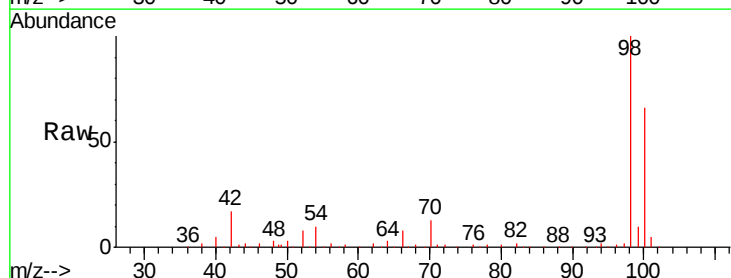
Acq: 10 Dec 2018 16:25

Tgt Ion: 98 Resp: 355563

Ion Ratio Lower Upper

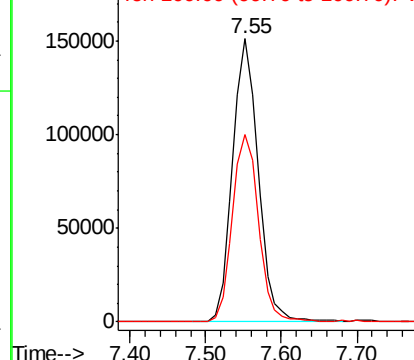
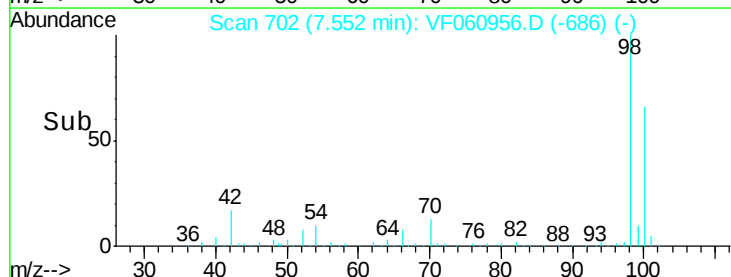
98 100

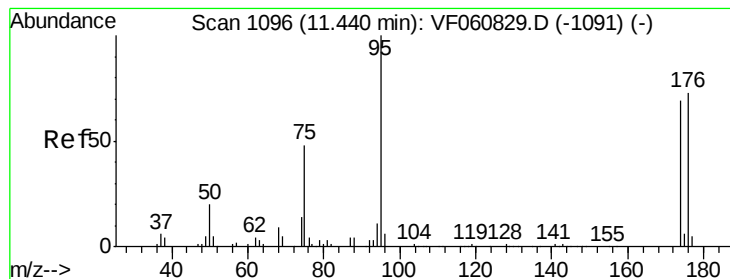
100 66.1 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 36.461 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060956.D

Acq: 10 Dec 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

STOCK-PILE

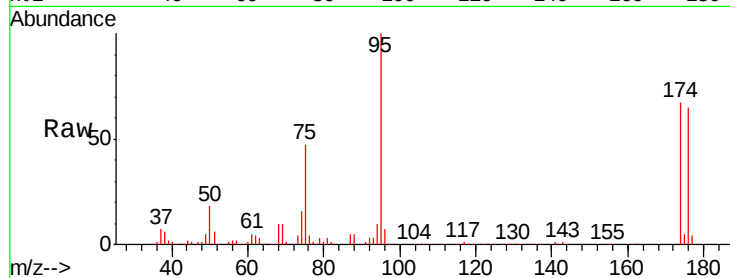
Tgt Ion: 95 Resp: 169365

Ion Ratio Lower Upper

95 100

174 67.1 0.0 138.2

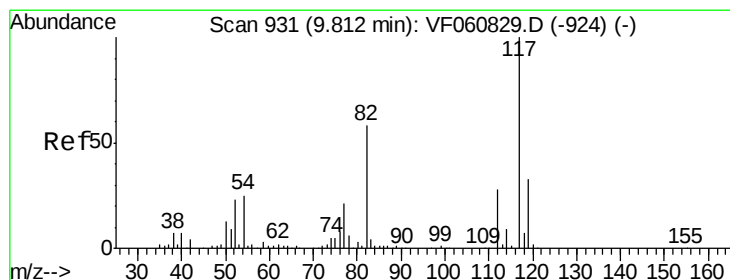
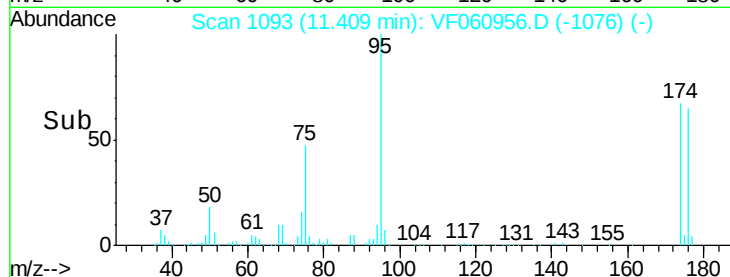
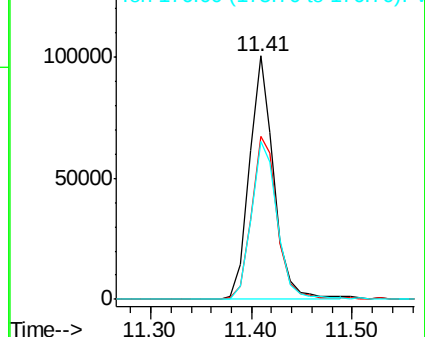
176 64.6 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF060829.D (-1091) (-)

Ion 174.00 (173.70 to 174.70): VF060829.D (-1091) (-)

Ion 176.00 (175.70 to 176.70): VF060829.D (-1091) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.04 min

Lab File: VF060956.D

Acq: 10 Dec 2018 16:25

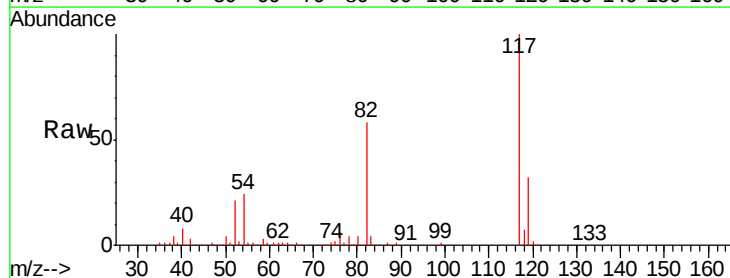
Tgt Ion: 117 Resp: 397270

Ion Ratio Lower Upper

117 100

82 58.3 46.6 69.8

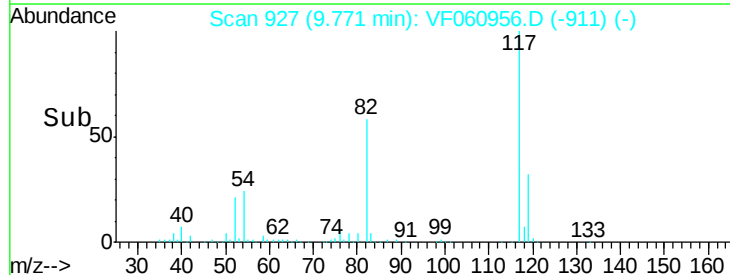
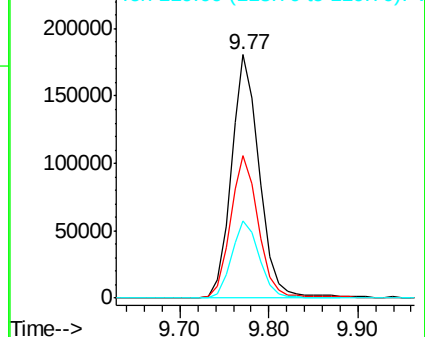
119 32.0 26.4 39.6

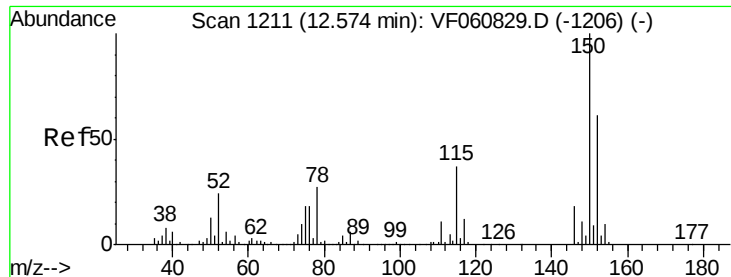


Abundance Ion 117.00 (116.70 to 117.70): VF060829.D (-924) (-)

Ion 82.00 (81.70 to 82.70): VF060829.D (-924) (-)

Ion 119.00 (118.70 to 119.70): VF060829.D (-924) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF060956.D

Acq: 10 Dec 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

STOCK-PILE

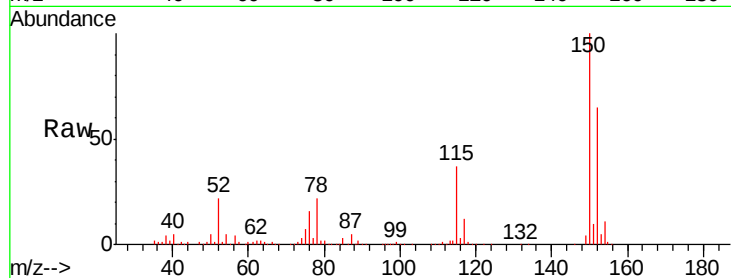
Tgt Ion:152 Resp: 214350

Ion Ratio Lower Upper

152 100

115 56.0 30.1 90.5

150 153.0 0.0 327.6



Abundance Ion 152.00 (151.70 to 152.70): V

250000

200000

150000

100000

50000

0

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

Time--> 12.40 12.50 12.60 12.70

