

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060186.D
 Acq On : 29 Aug 2018 10:08
 Operator : VA/AP
 Sample : J4280-01RE
 Misc : 5.89g/5mL/MSVOA F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-05-082418-ARE

Quant Time: Aug 29 11:10:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

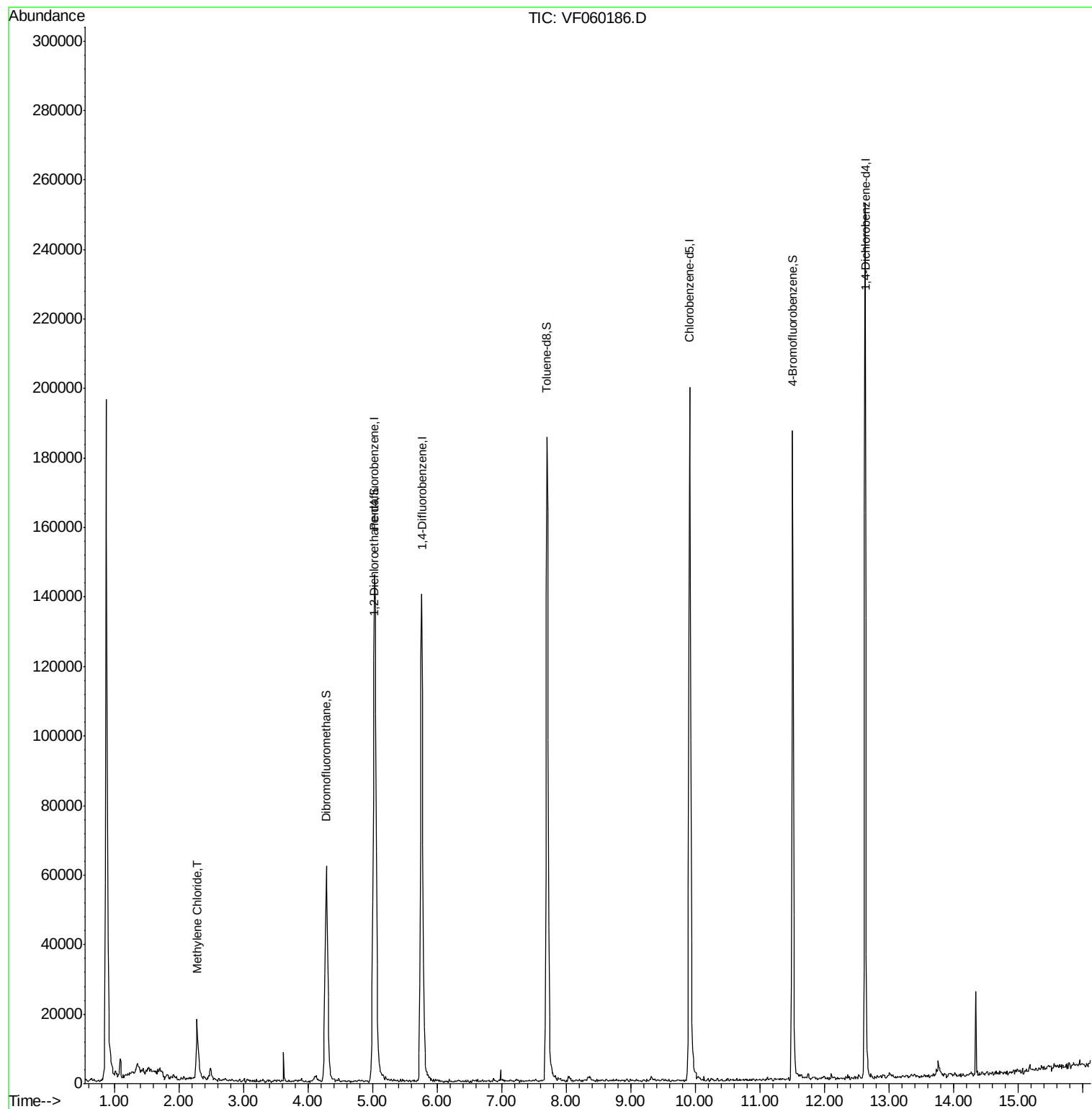
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	111663	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	140279	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	136504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	59819	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	49865	71.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	143.00%	
35) Dibromofluoromethane	4.28	113	53497	59.28	ug/l	0.01
Spiked Amount 50.000			Recovery	=	118.56%	
50) Toluene-d8	7.70	98	150795	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.51	95	63706	55.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.92%	
Target Compounds						
20) Methylene Chloride	2.28	84	8053	11.96	ug/l	Qvalue 94

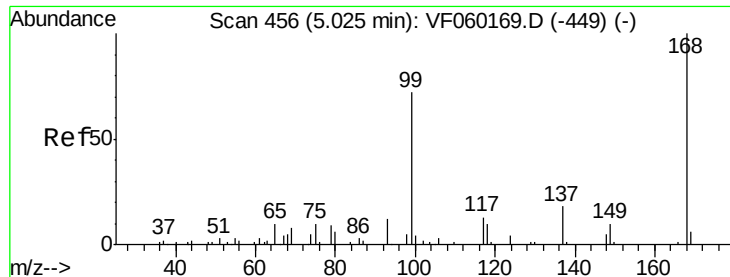
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

ClientSampleId :

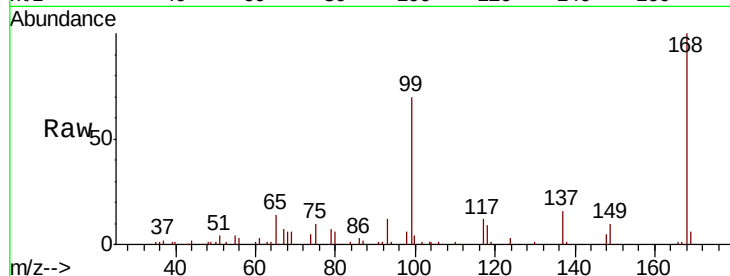
PL-05-082418-ARE

Tot Ion:168 Resp: 111663

Ion Ratio Lower Upper

168 100

99 70.4 57.9 86.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

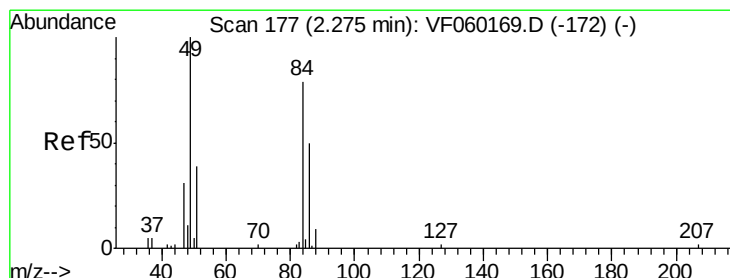
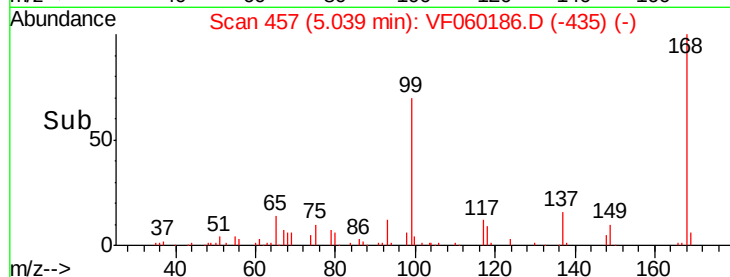
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 11.96 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Tgt Ion: 84 Resp: 8053

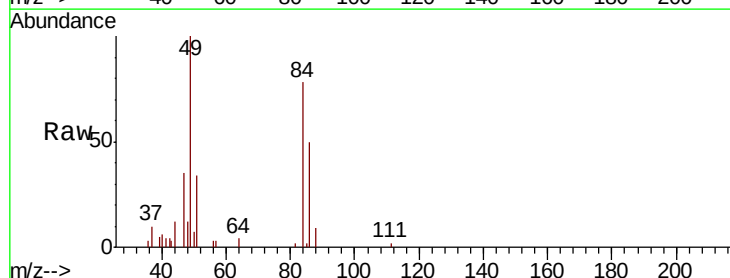
Ion Ratio Lower Upper

84 100

49 128.7 97.0 145.4

51 43.8 38.2 57.2

86 63.8 48.3 72.5



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

6000

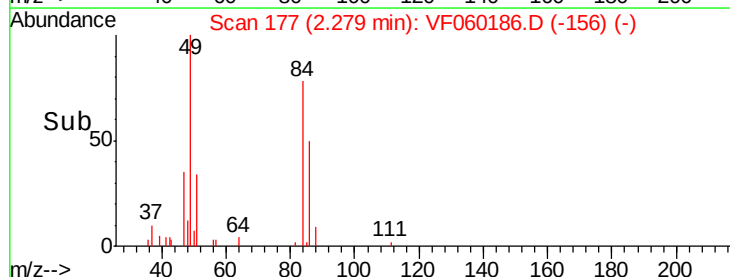
4000

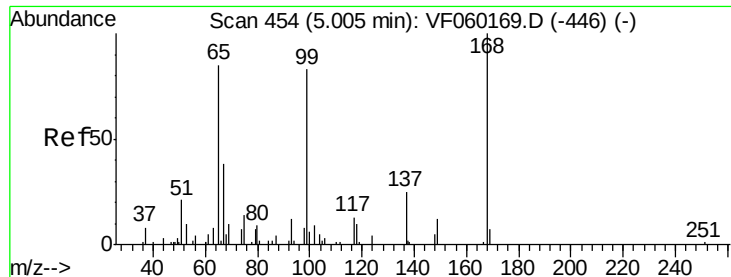
2000

0

Time-->

2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 71.50 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

ClientSampleId :

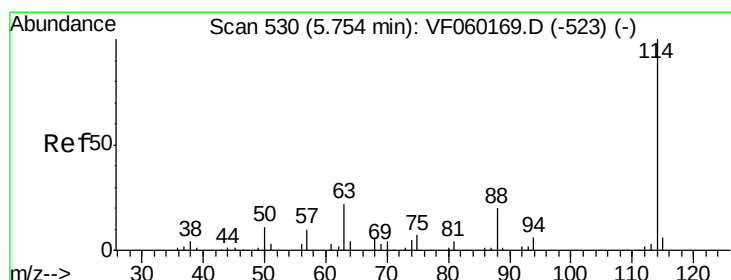
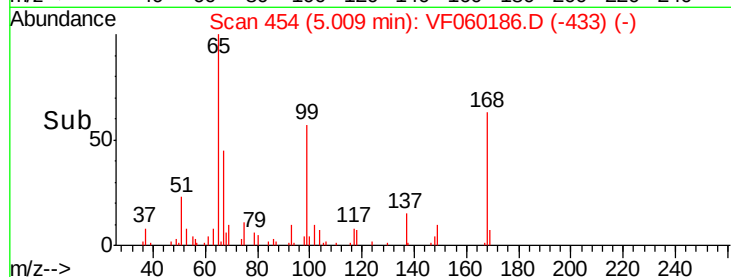
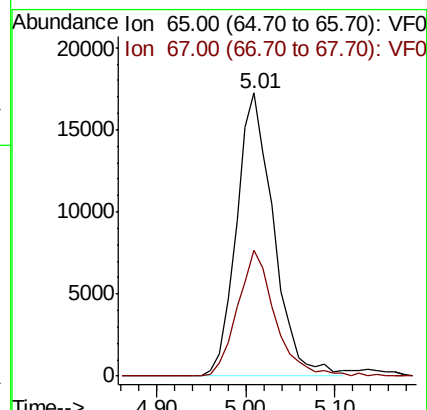
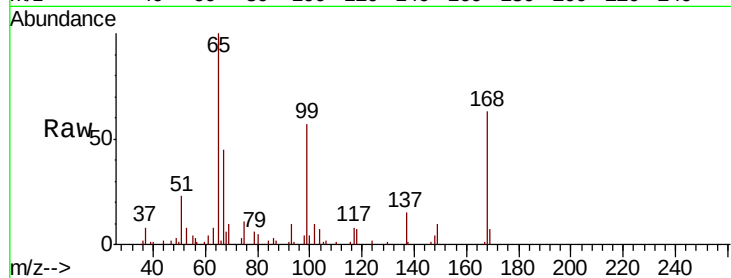
PL-05-082418-ARE

Tot Ion: 65 Resp: 49865

Ion Ratio Lower Upper

65 100

67 44.6 0.0 92.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

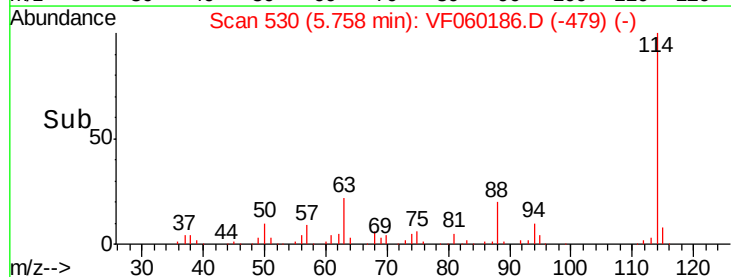
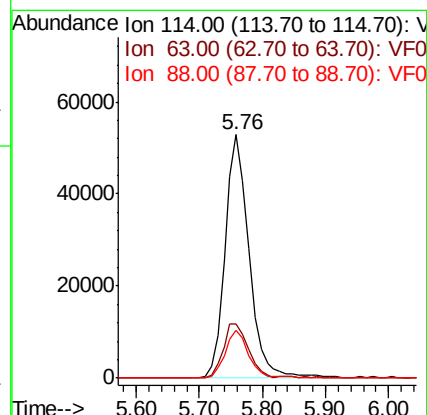
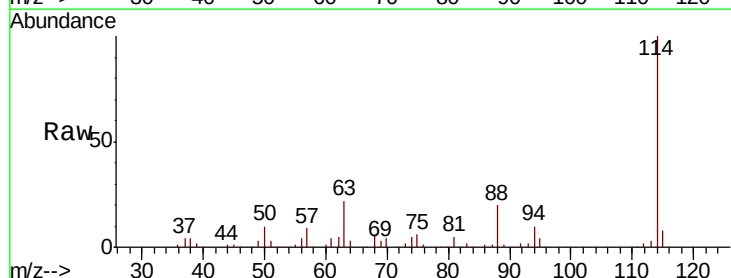
Tgt Ion:114 Resp: 140279

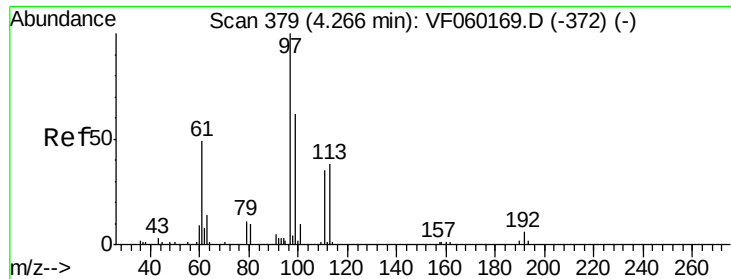
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.8

88 19.6 0.0 40.2





#35

Dibromofluoromethane

Concen: 59.28 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

ClientSampleId :

PL-05-082418-ARE

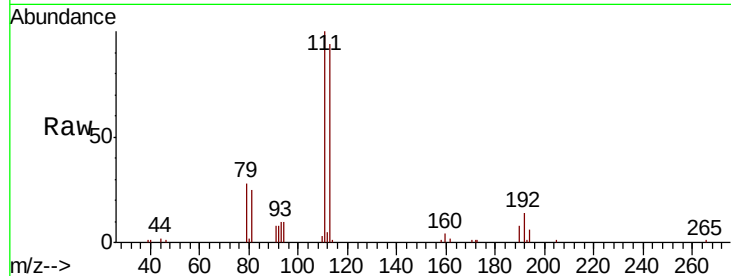
Tot Ion:113 Resp: 53497

Ion Ratio Lower Upper

113 100

111 106.8 75.5 113.3

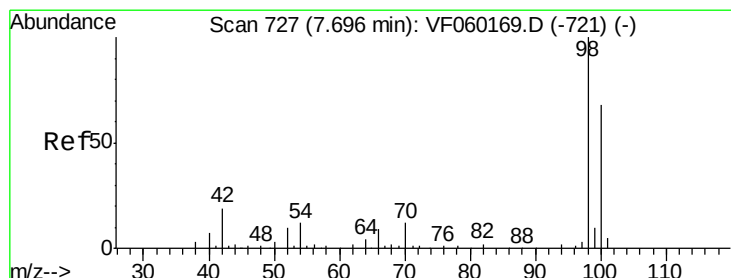
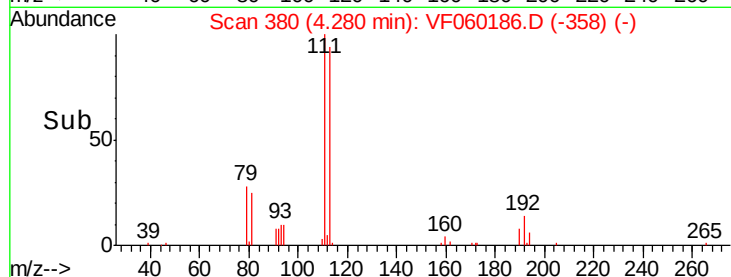
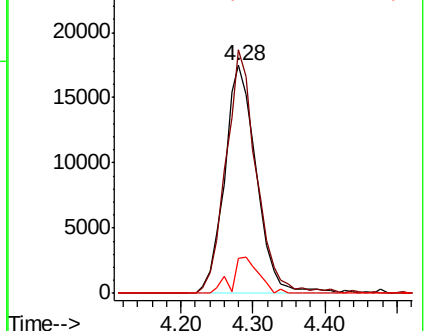
192 15.2 12.5 18.7



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: 48.85 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF060186.D

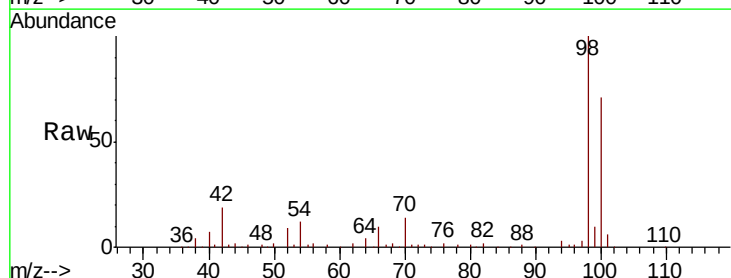
Acq: 29 Aug 2018 10:08

Tgt Ion: 98 Resp: 150795

Ion Ratio Lower Upper

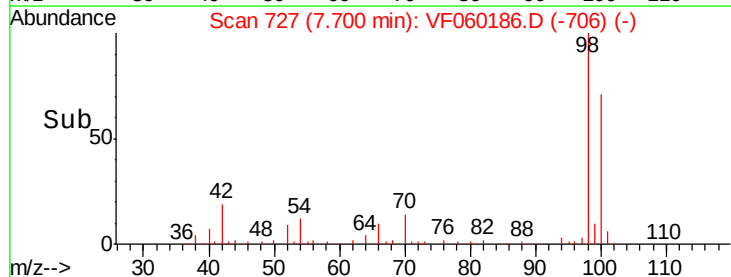
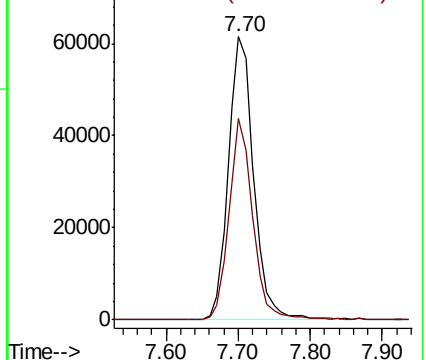
98 100

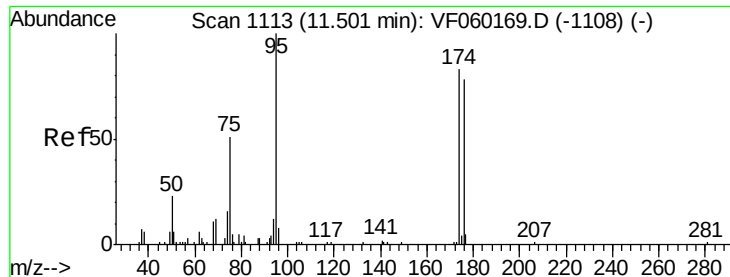
100 71.0 54.5 81.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 55.96 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

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ClientSampleId :

PL-05-082418-ARE

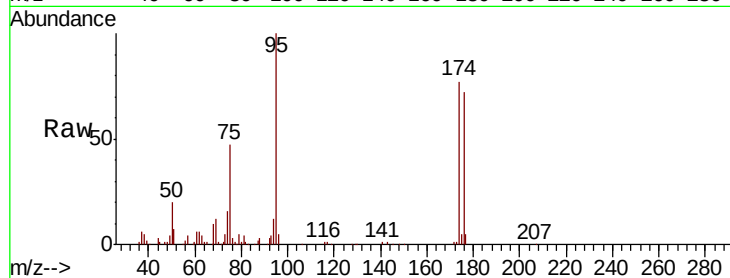
Tot Ion: 95 Resp: 63706

Ion Ratio Lower Upper

95 100

174 76.6 0.0 165.2

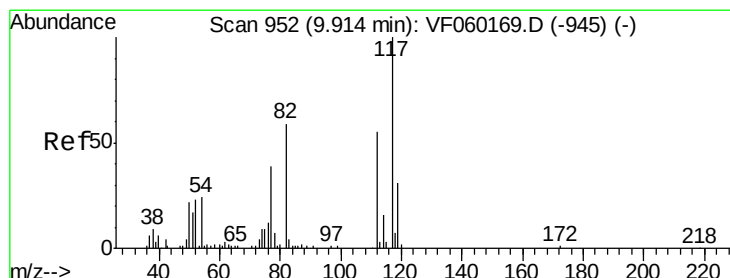
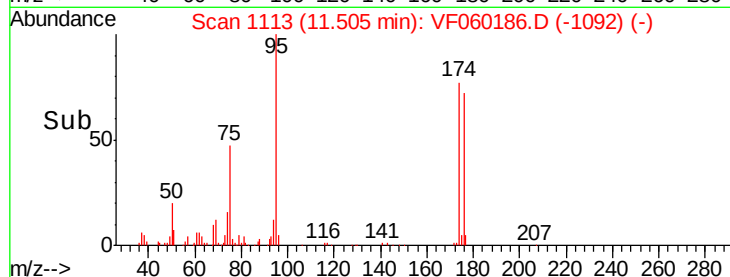
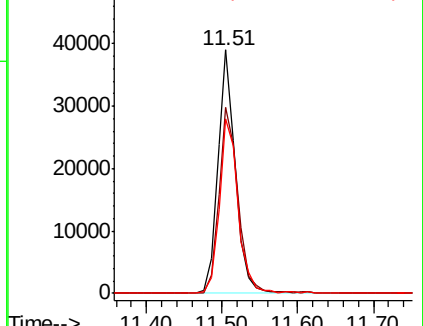
176 71.6 0.0 156.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

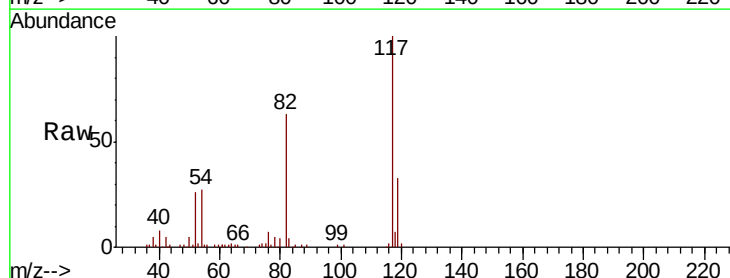
Tgt Ion: 117 Resp: 136504

Ion Ratio Lower Upper

117 100

82 63.2 47.2 70.8

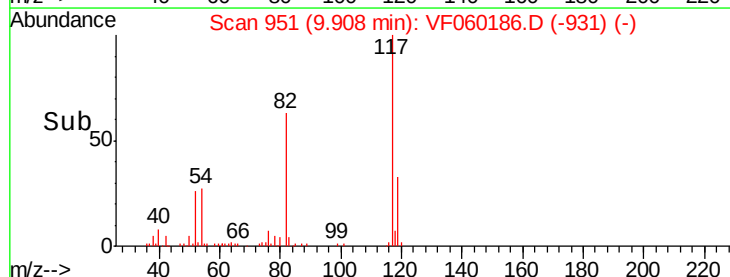
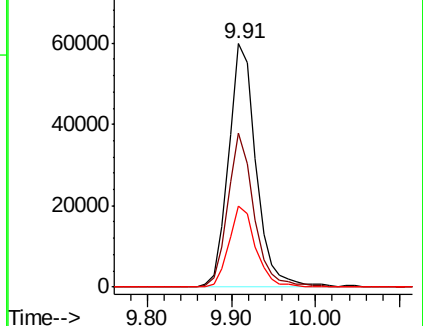
119 33.4 25.0 37.4

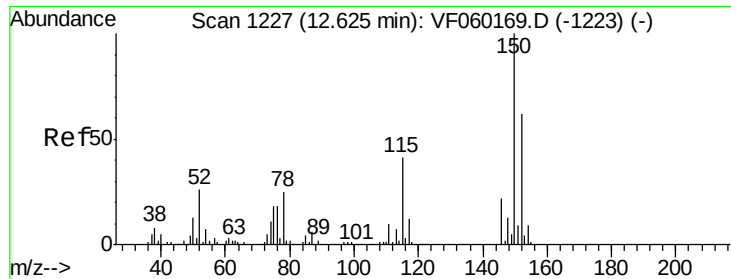


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

ClientSampleId :

PL-05-082418-ARE

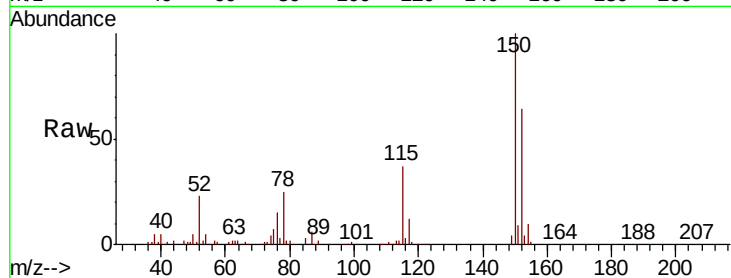
Tot Ion:152 Resp: 59819

Ion Ratio Lower Upper

152 100

115 58.3 33.2 99.6

150 156.6 0.0 325.6



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

